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ANALYTICAL REPORT

PREPARED FOR

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Groundwater Sciences Corporation
2550 Interstate Drive
Suite 303
Harrisburg PA 17110

Generated 03/30/2024

JOB DESCRIPTION

fYNOP - SPBA QUARTERLY SAMPLING EVENT

JOB NUMBER

410-164763-1

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

See page two for job notes and contact information.

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
03/30/2024

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Table of Contents

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
410-164763-1

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

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

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

Receipt
The samples were received on 3/20/2024 5:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.3°C.

Receipt Exceptions
A trip blank was received in the cooler/package, but not entered with this job. The Trip blank logged in and reported with job number 164764.

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: 410-164763-1
Project/Site: fYNOP - SPBA QUARTERLY SAMPLING EVENT

Client Sample ID: HD-MW-166-0/1-0
Lab Sample ID: 410-164763-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.51	J	1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.89	J	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.49	J	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-167-0/1-0
Lab Sample ID: 410-164763-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.8		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.41	J	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-168-0/1-0
Lab Sample ID: 410-164763-3

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

This Detection Summary does not include radiochemical test results.

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

Lab Sample ID: 410-164763-1

Date Collected: 03/20/24 09:30

Matrix: Water

Date Received: 03/20/24 17:10

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			03/29/24 02:02	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/29/24 02:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/29/24 02:02	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/29/24 02:02	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/29/24 02:02	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/29/24 02:02	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			03/29/24 02:02	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/29/24 02:02	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/29/24 02:02	1
2-Butanone (MEK)	ND		10	0.50	ug/L			03/29/24 02:02	1
2-Hexanone	ND		10	0.85	ug/L			03/29/24 02:02	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			03/29/24 02:02	1
Acetone	ND		20	0.70	ug/L			03/29/24 02:02	1
Benzene	ND		1.0	0.30	ug/L			03/29/24 02:02	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/29/24 02:02	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/29/24 02:02	1
Bromoform	ND		4.0	1.0	ug/L			03/29/24 02:02	1
Bromomethane	ND		1.0	0.30	ug/L			03/29/24 02:02	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/29/24 02:02	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/29/24 02:02	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/29/24 02:02	1
Chloroethane	ND		1.0	0.30	ug/L			03/29/24 02:02	1
Chloroform	**0.51**	**J**	1.0	0.30	ug/L			03/29/24 02:02	1
Chloromethane	ND		2.0	0.55	ug/L			03/29/24 02:02	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/29/24 02:02	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/29/24 02:02	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/29/24 02:02	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/29/24 02:02	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			03/29/24 02:02	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/29/24 02:02	1
Styrene	ND		5.0	0.30	ug/L			03/29/24 02:02	1
Tetrachloroethene	**0.89**	**J**	1.0	0.30	ug/L			03/29/24 02:02	1
Toluene	ND		1.0	0.30	ug/L			03/29/24 02:02	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/29/24 02:02	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/29/24 02:02	1
Trichloroethene	**0.49**	**J**	1.0	0.30	ug/L			03/29/24 02:02	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/29/24 02:02	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/29/24 02:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*03/29/24 02:02*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*03/29/24 02:02*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*03/29/24 02:02*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*03/29/24 02:02*	*1*

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

Lab Sample ID: 410-164763-2

Date Collected: 03/20/24 09:25

Matrix: Water

Date Received: 03/20/24 17:10

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			03/29/24 02:24	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/29/24 02:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/29/24 02:24	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/29/24 02:24	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/29/24 02:24	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/29/24 02:24	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			03/29/24 02:24	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/29/24 02:24	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/29/24 02:24	1
2-Butanone (MEK)	ND		10	0.50	ug/L			03/29/24 02:24	1
2-Hexanone	ND		10	0.85	ug/L			03/29/24 02:24	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			03/29/24 02:24	1
Acetone	ND		20	0.70	ug/L			03/29/24 02:24	1
Benzene	ND		1.0	0.30	ug/L			03/29/24 02:24	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/29/24 02:24	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/29/24 02:24	1
Bromoform	ND		4.0	1.0	ug/L			03/29/24 02:24	1
Bromomethane	ND		1.0	0.30	ug/L			03/29/24 02:24	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/29/24 02:24	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/29/24 02:24	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/29/24 02:24	1
Chloroethane	ND		1.0	0.30	ug/L			03/29/24 02:24	1
Chloroform	ND		1.0	0.30	ug/L			03/29/24 02:24	1
Chloromethane	ND		2.0	0.55	ug/L			03/29/24 02:24	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/29/24 02:24	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/29/24 02:24	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/29/24 02:24	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/29/24 02:24	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			03/29/24 02:24	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/29/24 02:24	1
Styrene	ND		5.0	0.30	ug/L			03/29/24 02:24	1
Tetrachloroethene	**1.8**		1.0	0.30	ug/L			03/29/24 02:24	1
Toluene	ND		1.0	0.30	ug/L			03/29/24 02:24	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/29/24 02:24	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/29/24 02:24	1
Trichloroethene	**0.41**	**J**	1.0	0.30	ug/L			03/29/24 02:24	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/29/24 02:24	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/29/24 02:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*03/29/24 02:24*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*03/29/24 02:24*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*03/29/24 02:24*	*1*
Toluene-d8 (Surr)	*112*		*80 - 120*		*03/29/24 02:24*	*1*

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

Lab Sample ID: 410-164763-3

Date Collected: 03/20/24 09:20

Matrix: Water

Date Received: 03/20/24 17:10

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			03/29/24 02:47	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/29/24 02:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/29/24 02:47	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/29/24 02:47	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/29/24 02:47	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/29/24 02:47	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			03/29/24 02:47	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/29/24 02:47	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/29/24 02:47	1
2-Butanone (MEK)	ND		10	0.50	ug/L			03/29/24 02:47	1
2-Hexanone	ND		10	0.85	ug/L			03/29/24 02:47	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			03/29/24 02:47	1
Acetone	ND		20	0.70	ug/L			03/29/24 02:47	1
Benzene	ND		1.0	0.30	ug/L			03/29/24 02:47	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/29/24 02:47	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/29/24 02:47	1
Bromoform	ND		4.0	1.0	ug/L			03/29/24 02:47	1
Bromomethane	ND		1.0	0.30	ug/L			03/29/24 02:47	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/29/24 02:47	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/29/24 02:47	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/29/24 02:47	1
Chloroethane	ND		1.0	0.30	ug/L			03/29/24 02:47	1
Chloroform	**0.31**	**J**	1.0	0.30	ug/L			03/29/24 02:47	1
Chloromethane	ND		2.0	0.55	ug/L			03/29/24 02:47	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/29/24 02:47	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/29/24 02:47	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/29/24 02:47	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/29/24 02:47	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			03/29/24 02:47	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/29/24 02:47	1
Styrene	ND		5.0	0.30	ug/L			03/29/24 02:47	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/29/24 02:47	1
Toluene	ND		1.0	0.30	ug/L			03/29/24 02:47	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/29/24 02:47	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/29/24 02:47	1
Trichloroethene	ND		1.0	0.30	ug/L			03/29/24 02:47	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/29/24 02:47	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/29/24 02:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*03/29/24 02:47*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*03/29/24 02:47*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*03/29/24 02:47*	*1*
Toluene-d8 (Surr)	*110*		*80 - 120*		*03/29/24 02:47*	*1*

Default Detection Limits

Client: Groundwater Sciences Corporation
Job ID: 410-164763-1
Project/Site: fYNOP - SPBA QUARTERLY SAMPLING EVENT

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
Job ID: 410-164763-1
Project/Site: fYNOP - SPBA QUARTERLY SAMPLING EVENT

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)
410-164763-1	HD-MW-166-0/1-0	104	96	96	108
410-164763-2	HD-MW-167-0/1-0	104	95	98	112
410-164763-3	HD-MW-168-0/1-0	100	97	96	110
LCS 410-488362/4	Lab Control Sample	106	95	96	111
MB 410-488362/6	Method Blank	105	97	96	108

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 410-488362/6
Matrix: Water
Analysis Batch: 488362

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			03/28/24 21:31	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/28/24 21:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/28/24 21:31	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/28/24 21:31	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/28/24 21:31	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/28/24 21:31	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			03/28/24 21:31	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/28/24 21:31	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/28/24 21:31	1
2-Butanone (MEK)	ND		10	0.50	ug/L			03/28/24 21:31	1
2-Hexanone	ND		10	0.85	ug/L			03/28/24 21:31	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			03/28/24 21:31	1
Acetone	ND		20	0.70	ug/L			03/28/24 21:31	1
Benzene	ND		1.0	0.30	ug/L			03/28/24 21:31	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/28/24 21:31	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/28/24 21:31	1
Bromoform	ND		4.0	1.0	ug/L			03/28/24 21:31	1
Bromomethane	ND		1.0	0.30	ug/L			03/28/24 21:31	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/28/24 21:31	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/28/24 21:31	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/28/24 21:31	1
Chloroethane	ND		1.0	0.30	ug/L			03/28/24 21:31	1
Chloroform	ND		1.0	0.30	ug/L			03/28/24 21:31	1
Chloromethane	ND		2.0	0.55	ug/L			03/28/24 21:31	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/28/24 21:31	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/28/24 21:31	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/28/24 21:31	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/28/24 21:31	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			03/28/24 21:31	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/28/24 21:31	1
Styrene	ND		5.0	0.30	ug/L			03/28/24 21:31	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/28/24 21:31	1
Toluene	ND		1.0	0.30	ug/L			03/28/24 21:31	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/28/24 21:31	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/28/24 21:31	1
Trichloroethene	ND		1.0	0.30	ug/L			03/28/24 21:31	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/28/24 21:31	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/28/24 21:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*03/28/24 21:31*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*03/28/24 21:31*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*03/28/24 21:31*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*03/28/24 21:31*	*1*

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

Lab Sample ID: LCS 410-488362/4
Matrix: Water
Analysis Batch: 488362

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	20.5		ug/L		103	78 - 120
1,1,1-Trichloroethane	20.0	17.8		ug/L		89	67 - 126
1,1,2,2-Tetrachloroethane	20.0	20.6		ug/L		103	72 - 120
1,1,2-Trichloroethane	20.0	19.4		ug/L		97	80 - 120
1,1-Dichloroethane	20.0	17.5		ug/L		88	80 - 120
1,1-Dichloroethene	20.0	17.6		ug/L		88	80 - 131
1,2-Dibromoethane (EDB)	20.0	17.3		ug/L		87	77 - 120
1,2-Dichloroethane	20.0	18.3		ug/L		91	73 - 124
1,2-Dichloropropane	20.0	19.8		ug/L		99	80 - 120
2-Butanone (MEK)	250	228		ug/L		91	59 - 135
2-Hexanone	250	231		ug/L		93	56 - 135
4-Methyl-2-pentanone (MIBK)	250	243		ug/L		97	62 - 133
Acetone	250	213		ug/L		85	54 - 157
Benzene	20.0	19.7		ug/L		99	80 - 120
Bromochloromethane	20.0	18.0		ug/L		90	80 - 120
Bromodichloromethane	20.0	18.7		ug/L		93	71 - 120
Bromoform	20.0	16.1		ug/L		81	51 - 120
Bromomethane	20.0	18.2		ug/L		91	53 - 128
Carbon disulfide	20.0	17.8		ug/L		89	65 - 128
Carbon tetrachloride	20.0	17.4		ug/L		87	64 - 134
Chlorobenzene	20.0	19.4		ug/L		97	80 - 120
Chloroethane	20.0	20.4		ug/L		102	55 - 123
Chloroform	20.0	17.0		ug/L		85	80 - 120
Chloromethane	20.0	17.7		ug/L		89	56 - 121
cis-1,2-Dichloroethene	20.0	17.9		ug/L		90	80 - 125
cis-1,3-Dichloropropene	20.0	17.0		ug/L		85	75 - 120
Dibromochloromethane	20.0	18.6		ug/L		93	71 - 120
Ethylbenzene	20.0	20.8		ug/L		104	80 - 120
Methyl tert-butyl ether	20.0	18.7		ug/L		93	69 - 122
Methylene Chloride	20.0	19.0		ug/L		95	80 - 120
Styrene	20.0	19.4		ug/L		97	80 - 120
Tetrachloroethene	20.0	20.8		ug/L		104	80 - 120
Toluene	20.0	21.0		ug/L		105	80 - 120
trans-1,2-Dichloroethene	20.0	16.8		ug/L		84	80 - 126
trans-1,3-Dichloropropene	20.0	16.8		ug/L		84	67 - 120
Trichloroethene	20.0	19.5		ug/L		97	80 - 120
Vinyl chloride	20.0	17.9		ug/L		89	56 - 120
Xylenes, Total	60.0	62.6		ug/L		104	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*111*		*80 - 120*

QC Association Summary

Client: Groundwater Sciences Corporation
Job ID: 410-164763-1
Project/Site: fYNOP - SPBA QUARTERLY SAMPLING EVENT

GC/MS VOA

Analysis Batch: 488362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164763-1	HD-MW-166-0/1-0	Total/NA	Water	8260D	
410-164763-2	HD-MW-167-0/1-0	Total/NA	Water	8260D	
410-164763-3	HD-MW-168-0/1-0	Total/NA	Water	8260D	
MB 410-488362/6	Method Blank	Total/NA	Water	8260D	
LCS 410-488362/4	Lab Control Sample	Total/NA	Water	8260D	

Client Sample ID: HD-MW-166-0/1-0 Lab Sample ID: 410-164763-1

Date Collected: 03/20/24 09:30 **Matrix: Water**
Date Received: 03/20/24 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	488362	K4WN	ELLE	03/29/24 02:02

Client Sample ID: HD-MW-167-0/1-0 Lab Sample ID: 410-164763-2

Date Collected: 03/20/24 09:25 **Matrix: Water**
Date Received: 03/20/24 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	488362	K4WN	ELLE	03/29/24 02:24

Client Sample ID: HD-MW-168-0/1-0 Lab Sample ID: 410-164763-3

Date Collected: 03/20/24 09:20 **Matrix: Water**
Date Received: 03/20/24 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	488362	K4WN	ELLE	03/29/24 02:47

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: 410-164763-1
Project/Site: fYNOP - SPBA QUARTERLY SAMPLING EVENT

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	01-28-25

Method Summary

Client: Groundwater Sciences Corporation
Job ID: 410-164763-1
Project/Site: fYNOP - SPBA QUARTERLY SAMPLING EVENT

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: 410-164763-1
Project/Site: fYNOP - SPBA QUARTERLY SAMPLING EVENT

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-164763-1	HD-MW-166-0/1-0	Water	03/20/24 09:30	03/20/24 17:10
410-164763-2	HD-MW-167-0/1-0	Water	03/20/24 09:25	03/20/24 17:10
410-164763-3	HD-MW-168-0/1-0	Water	03/20/24 09:20	03/20/24 17:10

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1

SDG No.:

Instrument ID: 23297 Analysis Batch Number: 468517

Lab Sample ID: IC 410-468517/3 Client Sample ID:

Date Analyzed: 01/31/24 11:33 Lab File ID: 4J31X02.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.12	Incomplete Integration	K4WN	01/31/24 16:42
Bromomethane	2.42	Incomplete Integration	K4WN	01/31/24 16:43
Acetone	3.31	Incomplete Integration	DVW2	01/31/24 14:22
2-Propanol	3.49	Incomplete Integration	K4WN	01/31/24 16:13
Carbon disulfide	3.63	Incomplete Integration	K4WN	01/31/24 16:13
Allyl chloride	3.73	Incomplete Integration	K4WN	01/31/24 16:17
t-Butyl alcohol	4.03	Incomplete Integration	DVW2	01/31/24 14:22
Acrylonitrile	4.23	Incomplete Integration	DVW2	01/31/24 14:22

Lab Sample ID: IC 410-468517/4 Client Sample ID:

Date Analyzed: 01/31/24 11:56 Lab File ID: 4J31X03.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.12	Incomplete Integration	K4WN	01/31/24 16:18
Acetone	3.35	Incomplete Integration	DVW2	01/31/24 14:23
Methyl acetate	3.69	Incomplete Integration	K4WN	01/31/24 16:18
2-Butanone (MEK)	5.76	Incomplete Integration	K4WN	01/31/24 16:19
1,4-Dioxane	8.32	Incomplete Integration	K4WN	01/31/24 16:19

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1

SDG No.:

Instrument ID: 23297 Analysis Batch Number: 468517

Lab Sample ID: IC 410-468517/5 Client Sample ID:

Date Analyzed: 01/31/24 12:18 Lab File ID: 4J31X04.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.12	Incomplete Integration	K4WN	01/31/24 16:20
Acetone	3.32	Incomplete Integration	K4WN	01/31/24 16:20
2-Propanol	3.52	Incomplete Integration	DVW2	01/31/24 14:25
Carbon disulfide	3.63	Incomplete Integration	K4WN	01/31/24 16:20
Methyl acetate	3.69	Incomplete Integration	K4WN	01/31/24 16:21
2-Butanone (MEK)	5.76	Incomplete Integration	K4WN	01/31/24 16:21
sec-Butylbenzene	12.73	Incomplete Integration	K4WN	01/31/24 16:22

Lab Sample ID: IC 410-468517/6 Client Sample ID:

Date Analyzed: 01/31/24 12:40 Lab File ID: 4J31X05.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.12	Incomplete Integration	K4WN	01/31/24 16:23
Bromomethane	2.42	Incomplete Integration	K4WN	01/31/24 16:23
Acetone	3.32	Incomplete Integration	K4WN	01/31/24 16:24
2-Propanol	3.52	Incomplete Integration	DVW2	01/31/24 14:26
Methyl acetate	3.69	Incomplete Integration	K4WN	01/31/24 16:24
t-Butyl alcohol	4.04	Incomplete Integration	K4WN	01/31/24 16:25

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1

SDG No.:

Instrument ID: 23297 Analysis Batch Number: 468517

Lab Sample ID: ICIS 410-468517/7 Client Sample ID:

Date Analyzed: 01/31/24 13:03 Lab File ID: 4J31X06.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.12	Incomplete Integration	K4WN	01/31/24 16:26
Acetone	3.31	Incomplete Integration	K4WN	01/31/24 16:26
2-Propanol	3.52	Incomplete Integration	K4WN	01/31/24 16:26
Carbon disulfide	3.63	Incomplete Integration	K4WN	01/31/24 16:26
t-Butyl alcohol	4.05	Incomplete Integration	K4WN	01/31/24 16:27
1,4-Dioxane	8.32	Incomplete Integration	K4WN	01/31/24 16:27

Lab Sample ID: IC 410-468517/8 Client Sample ID:

Date Analyzed: 01/31/24 13:25 Lab File ID: 4J31X07.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.14	Incomplete Integration	K4WN	01/31/24 16:28
Acetone	3.33	Incomplete Integration	K4WN	01/31/24 16:29
2-Propanol	3.51	Incomplete Integration	K4WN	01/31/24 16:29
t-Butyl alcohol	4.05	Incomplete Integration	K4WN	01/31/24 16:29
1,4-Dioxane	8.32	Incomplete Integration	K4WN	01/31/24 16:29

Lab Sample ID: IC 410-468517/9 Client Sample ID:

Date Analyzed: 01/31/24 13:47 Lab File ID: 4J31X08.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Propanol	3.50	Incomplete Integration	K4WN	01/31/24 16:39
Carbon disulfide	3.63	Incomplete Integration	K4WN	01/31/24 16:39
Methyl acetate	3.69	Incomplete Integration	K4WN	01/31/24 16:39
t-Butyl alcohol	4.05	Incomplete Integration	K4WN	01/31/24 16:40
1,4-Dioxane	8.32	Incomplete Integration	K4WN	01/31/24 16:40

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1

SDG No.:

Instrument ID: 23297 Analysis Batch Number: 468517

Lab Sample ID: ICV 410-468517/11 Client Sample ID:

Date Analyzed: 01/31/24 14:32 Lab File ID: 4J31X10.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.12	Incomplete Integration	K4WN	01/31/24 17:06
Acetone	3.31	Incomplete Integration	K4WN	01/31/24 17:07
Carbon disulfide	3.63	Incomplete Integration	K4WN	01/31/24 17:07
t-Butyl alcohol	4.05	Incomplete Integration	K4WN	01/31/24 17:07

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1

SDG No.:

Instrument ID: 23297 Analysis Batch Number: 488362

Lab Sample ID: CCVIS 410-488362/3 Client Sample ID:

Date Analyzed: 03/28/24 20:23 Lab File ID: 4M28X32.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Propanol	3.47	Split Peak	K4WN	03/28/24 21:21

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_4ppbEtoh_00607	02/02/24	01/31/24	DI Water, Lot DI 23226	1000 mL	MSV_CCV_2CEVE_00160	4 uL	2-Chloroethyl vinyl ether	4 ug/L
					MSV_CCV_CYC_00008	32 uL	Cyclohexanone	199.994 ug/L
					MSV_CCV_ETOH_00005	20 uL	Ethanol	249.984 ug/L
					MSV_CCV_GASES_00717	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_OH_Sp_00006	4 uL	2-Ethylhexyl acrylate	4.00036 ug/L
							n-Butyl acrylate	3.9994 ug/L
							Ethyl acrylate	3.99839 ug/L
							Methyl acrylate	3.99958 ug/L
					MSV_CCV_VOC#1_00168	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1

SDG No.:

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00164	3.2 uL	Acrolein	39.999 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_00160	02/27/24	01/28/24	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00165	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00165	04/30/26		Restek, Lot A0197472		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_CYC_00008	07/15/24	01/15/24	50/50 MeOH/Water, Lot EH471	200 mL	MSV_VCYC_STK_00011	8.605 mL	Cyclohexanone	6249.81 ug/mL
..MSV_VCYC_STK_00011	07/15/24	01/15/24	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00009	1.4526 g	Cyclohexanone	145260 ug/mL
...MSV_CYC_00009	06/30/27		Chem Service, Lot 14568900		(Purchased Reagent)		Cyclohexanone	1 g/g
.MSV_CCV_ETOH_00005	03/26/24	09/26/23	Methanol, Lot EG095	200 mL	MSV_VETOH_STK_00014	6.3 mL	Ethanol	12499.2 ug/mL
..MSV_VETOH_STK_00014	03/26/24	09/26/23	Methanol, Lot EG095	10 mL	MSV_EtOH_00047	3.968 g	Ethanol	396800 ug/mL
...MSV_EtOH_00047	04/30/28		Chem Service, Lot 14757000		(Purchased Reagent)		Ethanol	1 g/g
.MSV_CCV_GASES_00717	02/07/24		Restek, Lot A0198362		(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MSV_CCV_OH_Sp_00006	02/02/24	10/19/23	Methanol, Lot EG095	10 mL	MSV_V_Acr_Std_00004	2 mL	2-Ethylhexyl acrylate	1000.09 ug/mL
							n-Butyl acrylate	999.85 ug/mL
							Ethyl acrylate	999.599 ug/mL
							Methyl acrylate	999.894 ug/mL
..MSV_V_Acr_Std_00004	02/02/24	10/02/23	Methanol, Lot EG095	10 mL	MSV_MStk_2E6A_00002	0.91 mL	2-Ethylhexyl acrylate	5000.45 ug/mL
					MSV_MStk_BAcr_00002	0.932 mL	n-Butyl acrylate	4999.25 ug/mL
					MSV_MStk_EtAc_00002	1.001 mL	Ethyl acrylate	4997.99 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_MStk_MAcr_00002	0.931 mL	Methyl acrylate	4999.47 ug/mL
...MSV_MStk_2E6A_00002	02/02/24	08/02/23	Methanol, Lot EG095	10 mL	MSV_2Eth6Acry_00001	0.5495 g	2-Ethylhexyl acrylate	54950 ug/mL
....MSV_2Eth6Acry_00001	02/28/28		Sigma Aldrich, Lot MKCN1302		(Purchased Reagent)		2-Ethylhexyl acrylate	1 g/g
...MSV_MStk_BAcr_00002	02/02/24	08/02/23	Methanol, Lot EG095	10 mL	MSV_nButylAcr_00004	0.5364 g	n-Butyl acrylate	53640 ug/mL
....MSV_nButylAcr_00004	01/31/26		Chem Service, Lot 14061100		(Purchased Reagent)		n-Butyl acrylate	1 g/g
...MSV_MStk_EtAc_00002	02/02/24	08/02/23	Methanol, Lot EG095	10 mL	MSV_EthylAcry_00002	0.4993 g	Ethyl acrylate	49930 ug/mL
....MSV_EthylAcry_00002	01/31/26		Chem Service, Lot 14037600		(Purchased Reagent)		Ethyl acrylate	1 g/g
...MSV_MStk_MAcr_00002	02/02/24	08/02/23	Methanol, Lot EG095	10 mL	MSV_MethylAcr_00002	0.537 g	Methyl acrylate	53700 ug/mL
....MSV_MethylAcr_00002	01/31/26		Chem Service, Lot 14104500		(Purchased Reagent)		Methyl acrylate	1 g/g
.MSV_CCV_VOC#1_00168	02/27/24	01/28/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00164	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

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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		
							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_00160	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

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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		
							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_00164	02/27/24		Restek, Lot A0197556		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dibromoethane (EDB)	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL

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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		
							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_00160	02/27/24		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
							Pentane	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		
							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_00164	02/25/24	01/28/24	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00015	0.5 mL	Acrolein	12499.7 ug/mL
					MSV_V_Ketones_00158	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_00015	02/25/24	12/27/23	Methanol, Lot EG095	10 mL	MSV_VACR_STK_00037	9.2 mL	Acrolein	124997 ug/mL
...MSV_VACR_STK_00037	02/25/24	12/27/23	Methanol, Lot EG095	10 mL	MSV_ACROLEIN_00031	1.4625 g	Acrolein	135866 ug/mL
....MSV_ACROLEIN_00031	06/30/24	Chem Service, Lot 14703000			(Purchased Reagent)		Acrolein	0.929 g/g
..MSV_V_Ketones_00158	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_2CEVE_00160	02/27/24	01/28/24	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00165	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
.MSV_V_2CLEVE_00165	04/30/26	Restek, Lot A0197472			(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
MSV_CCV_CYC_00008	07/15/24	01/15/24	50/50 MeOH/Water, Lot EH471	200 mL	MSV_VCYC_STK_00011	8.605 mL	Cyclohexanone	6249.81 ug/mL
.MSV_VCYC_STK_00011	07/15/24	01/15/24	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00009	1.4526 g	Cyclohexanone	145260 ug/mL
..MSV_CYC_00009	06/30/27	Chem Service, Lot 14568900			(Purchased Reagent)		Cyclohexanone	1 g/g
MSV_CCV_ETOH_00005	03/26/24	09/26/23	Methanol, Lot EG095	200 mL	MSV_VETOH_STK_00014	6.3 mL	Ethanol	12499.2 ug/mL
.MSV_VETOH_STK_00014	03/26/24	09/26/23	Methanol, Lot EG095	10 mL	MSV_EtOH_00047	3.968 g	Ethanol	396800 ug/mL
..MSV_EtOH_00047	04/30/28	Chem Service, Lot 14757000			(Purchased Reagent)		Ethanol	1 g/g
MSV_CCV_GASES_00717	02/07/24	Restek, Lot A0198362			(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_CCV_GASES_00727	04/02/24	Restek, Lot A0197586			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_CCV_OH_Sp_00005	02/02/24	08/04/23	Methanol, Lot EG095	10 mL	MSV_V_Acr_Std_00003	2 mL	2-Ethylhexyl acrylate	1000.09 ug/mL
							n-Butyl acrylate	999.85 ug/mL
							Ethyl acrylate	999.599 ug/mL
							Methyl acrylate	999.894 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_V_Acr_Std_00003	02/02/24	08/04/23	Methanol, Lot EG095	10 mL	MSV_MStk_2E6A_00002	0.91 mL	2-Ethylhexyl acrylate	5000.45 ug/mL
					MSV_MStk_BAcr_00002	0.932 mL	n-Butyl acrylate	4999.25 ug/mL
					MSV_MStk_EtAc_00002	1.001 mL	Ethyl acrylate	4997.99 ug/mL
					MSV_MStk_MAcr_00002	0.931 mL	Methyl acrylate	4999.47 ug/mL
..MSV_MStk_2E6A_00002	02/02/24	08/02/23	Methanol, Lot EG095	10 mL	MSV_2Eth6Acry_00001	0.5495 g	2-Ethylhexyl acrylate	54950 ug/mL
...MSV_2Eth6Acry_00001	02/28/28		Sigma Aldrich, Lot MKCN1302		(Purchased Reagent)		2-Ethylhexyl acrylate	1 g/g
..MSV_MStk_BAcr_00002	02/02/24	08/02/23	Methanol, Lot EG095	10 mL	MSV_nButylAcr_00004	0.5364 g	n-Butyl acrylate	53640 ug/mL
...MSV_nButylAcr_00004	01/31/26		Chem Service, Lot 14061100		(Purchased Reagent)		n-Butyl acrylate	1 g/g
..MSV_MStk_EtAc_00002	02/02/24	08/02/23	Methanol, Lot EG095	10 mL	MSV_EthylAcry_00002	0.4993 g	Ethyl acrylate	49930 ug/mL
...MSV_EthylAcry_00002	01/31/26		Chem Service, Lot 14037600		(Purchased Reagent)		Ethyl acrylate	1 g/g
..MSV_MStk_MAcr_00002	02/02/24	08/02/23	Methanol, Lot EG095	10 mL	MSV_MethylAcr_00002	0.537 g	Methyl acrylate	53700 ug/mL
...MSV_MethylAcr_00002	01/31/26		Chem Service, Lot 14104500		(Purchased Reagent)		Methyl acrylate	1 g/g
MSV_CCV_VOC#1_00168	02/27/24	01/28/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00164	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00160	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00164	02/27/24		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

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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		
							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_00160	02/27/24		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

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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	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_00176	04/23/24	03/24/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00173	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00168	1 mL	Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_MegaMIX#1_00173	04/30/24		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
							1,2-Dibromoethane (EDB)	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	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		
							Benzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Methylene Chloride	5000 ug/mL
							Styrene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
.MSV_MegaMix#2_00168	04/23/24		Restek, Lot A0197578		(Purchased Reagent)		Carbon disulfide	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
MSV_CCV_VOC#3_00164	02/25/24	01/28/24	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00015	0.5 mL	Acrolein	12499.7 ug/mL
					MSV_V_Ketones_00158	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_00015	02/25/24	12/27/23	Methanol, Lot EG095	10 mL	MSV_VACR_STK_00037	9.2 mL	Acrolein	124997 ug/mL
..MSV_VACR_STK_00037	02/25/24	12/27/23	Methanol, Lot EG095	10 mL	MSV_ACROLEIN_00031	1.4625 g	Acrolein	135866 ug/mL
...MSV_ACROLEIN_00031	06/30/24		Chem Service, Lot 14703000		(Purchased Reagent)		Acrolein	0.929 g/g
.MSV_V_Ketones_00158	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_00172	04/21/24	03/24/24	Methanol, Lot EH471	5 mL	MSV_V_Ketones_00182	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_00182	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_HP04_ISSS_00001	03/05/24	09/06/23	Methanol, Lot EG095-US	10 mL	MSV_8260_SS_01014	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_00610	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobenzene-d5 (IS)	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
							t-Butyl alcohol-d10 (IS)	1250 ug/mL
.MSV_8260_SS_01014	05/31/28		Restek, Lot A0197611		(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_00610	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_00002	09/04/24	03/04/24	Methanol, Lot EZ822	10 mL	MSV_Cus826_IS_00754	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_00754	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_00002	09/04/24	03/04/24	Methanol, Lot EZ822	10 mL	MSV_8260_SS_01160	1 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.MSV_8260_SS_01160	10/31/28		Restek, Lot A0203162		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
MSV_LCS_Gases_00181	02/04/24	01/28/24	Methanol, Lot EH471	25 mL	MSV_QC_2K_GAS_00155	0.5 mL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00155	02/04/24		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_00190	03/31/24	03/24/24	Methanol, Lot EH471	25 mL	MSV_QC_2K_GAS_00207	0.5 mL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00207	03/31/24		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_00151	02/27/24	01/28/24	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00180	1 mL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00181	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00177	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_00180	06/30/26		Restek, Lot A0198667		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL

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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		
							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_00181	04/30/26		Restek, Lot A0197573		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00177	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_00159	04/23/24	03/24/24	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00197	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_00190	1 mL	Carbon disulfide	40 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00202	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_00197	06/30/26		Restek, Lot A0198667		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00190	04/30/26		Restek, Lot A0197573		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00202	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_V_BFB_00016							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							divinyl benzene	
							Tentatively Identified Compound	
							Total BTEX	
							Total Diethylbenzene	
							Xylenes, Total	

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSV_VBFB_STK_00011	0.098 mL	BFB	50.129 ug/mL
.MSV_VBFB_STK_00011	06/05/24	12/05/23	Methanol, Lot EG095	10 mL	MSV_4BFB_NEAT_00009	1.2788 g	BFB	127880 ug/mL
..MSV_4BFB_NEAT_00009	05/31/25		Chem Service, Lot 13775500		(Purchased Reagent)		BFB	1 g/g

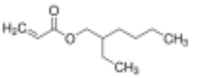
Reagent

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

Reagent

MSV_CCV_GASES_00717

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom Gases.SEC Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

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

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

Quality Confirmation Test

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

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

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

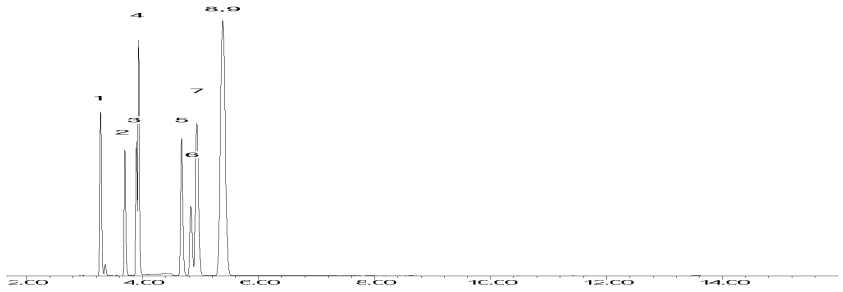
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



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

Matt Fragassi - Mix Technician

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

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_CCV_GASES_00727

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577488 **Lot No.:** A0197586

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, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,004.0 µg/mL	+/- 113.0947
2	Chloromethane (methyl chloride)	74-87-3	SHBM9611	99%	2,003.1 µg/mL	+/- 113.1749
3	Vinyl chloride	75-01-4	00015559	99%	2,001.3 µg/mL	+/- 112.7805
4	1,3-Butadiene	106-99-0	00015314	99%	2,002.1 µg/mL	+/- 112.9024
5	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,002.9 µg/mL	+/- 113.0693
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.9 µg/mL	+/- 112.6811
7	Dichlorofluoromethane (CFC-21)	75-43-4	14150400	90%	2,001.6 µg/mL	+/- 112.4412
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,020.0 µg/mL	+/- 113.4748
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4	Q9B-64	99%	1,998.5 µg/mL	+/- 112.6823

* 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.

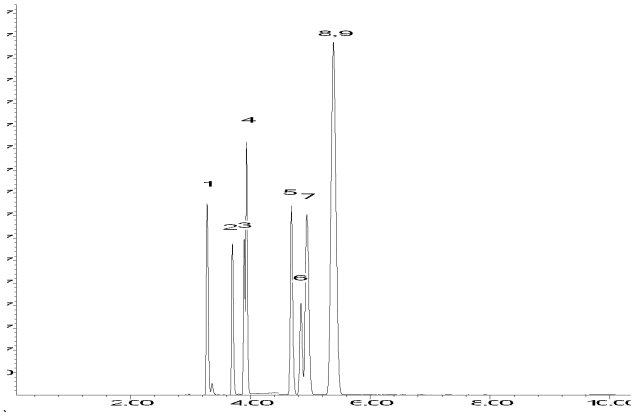
Inj. Temp:
200°C

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: 01-May-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-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_EthylAcry_00002

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	14037600
DATE CERTIFIED	01/17/23
EXPIRATION DATE	01/31/26
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

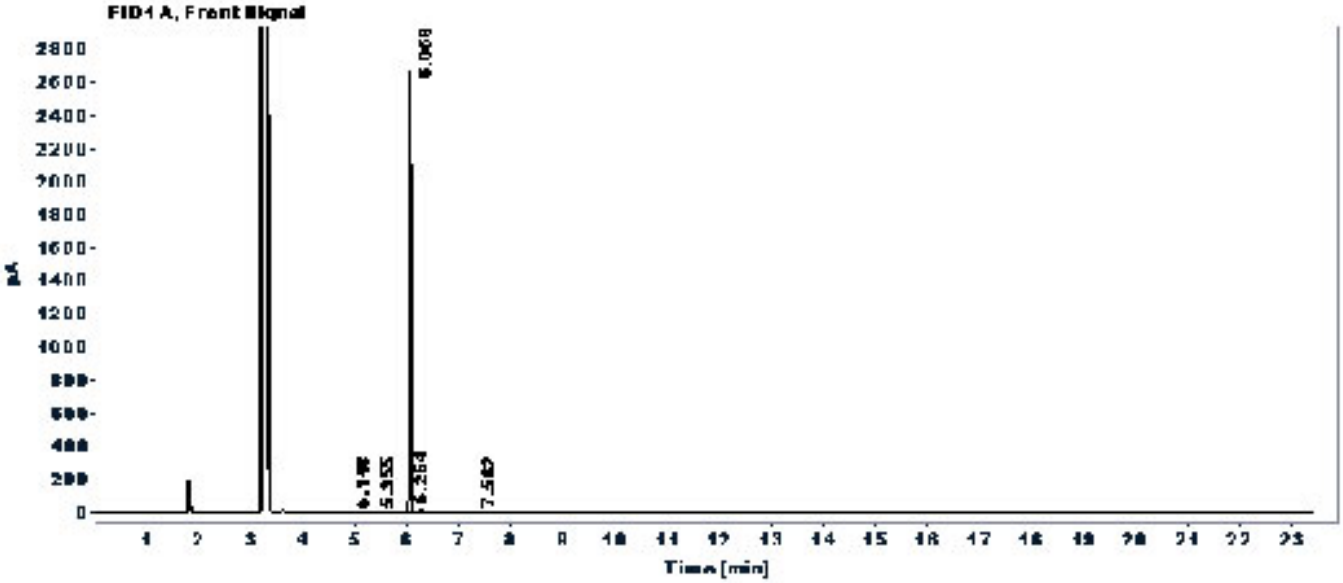
COA Form
Revision 3 (3/2015)

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\2023 Data\0123\ethyl acrylate.D		
Sample name:	Ethyl acrylate		
Acq. method:	FRANNY-FRONT.M		
Instrument:	GC3	**Location:**	101
Injection date:	1/17/2023 1:34:13 PM	**Injection Vol:**	1.000
Column name:	Rxi-624Sil MS(30m x 0.32mm ID, 1.8um)	**# Of Injections:**	1



Signal: FID1 A, Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
5.148	BB	0.0357	7.7645	3.3961	0.1603
5.355	BB	0.0302	5.2381	2.6342	0.1082
6.058	BV	0.0278	4770.0522	2669.7983	98.5086
6.264	VV R	0.0289	54.2282	28.9330	1.1199
7.562	BB	0.0307	4.9854	2.4496	0.1030
		Sum	4842.2684		

Reagent

MSV_M_MIX1SEC_00197

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

Description : Custom VOC MegaMix®.SEC #1 Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

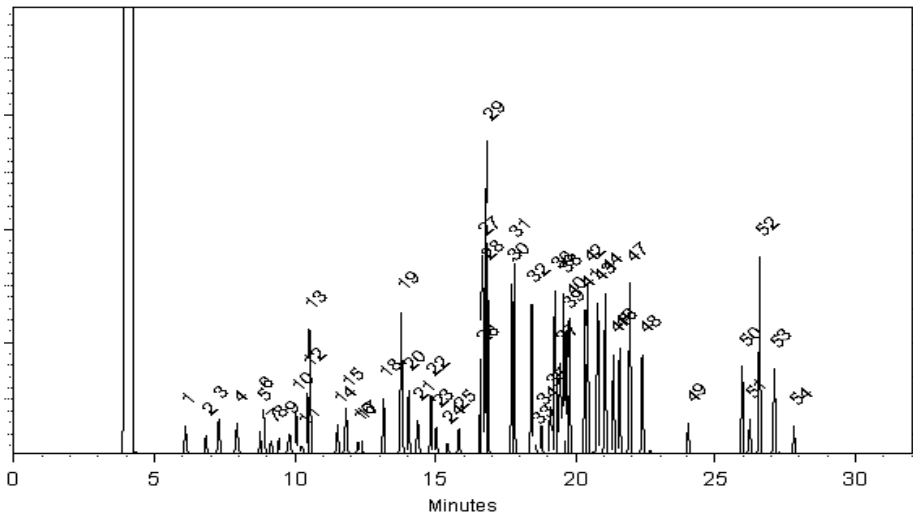
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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

Jess Hoy - Operations Tech I

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

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Jun-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_M_MIX2SEC_00190

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom VOC MegaMix®.SEC #2 Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

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

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 30 psi

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

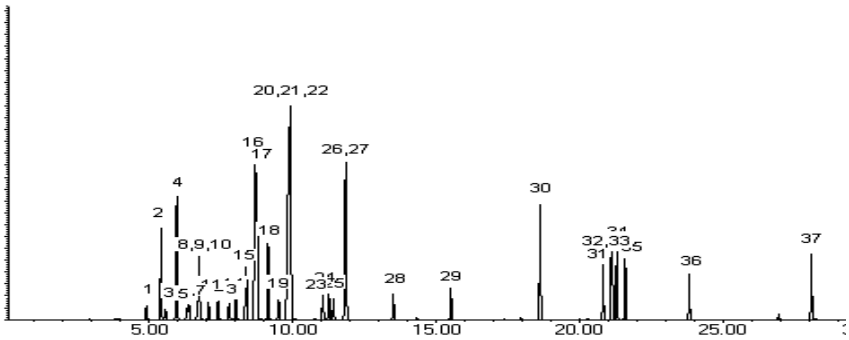
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
25.0 ml/min.

Inj. Vol
1µl



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

Bryan Snyder - Operations Tech I

Date Mixed: 30-Apr-2023 **Balance Serial #** 1128342314

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 19-Jun-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMIX#1_00164

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.)

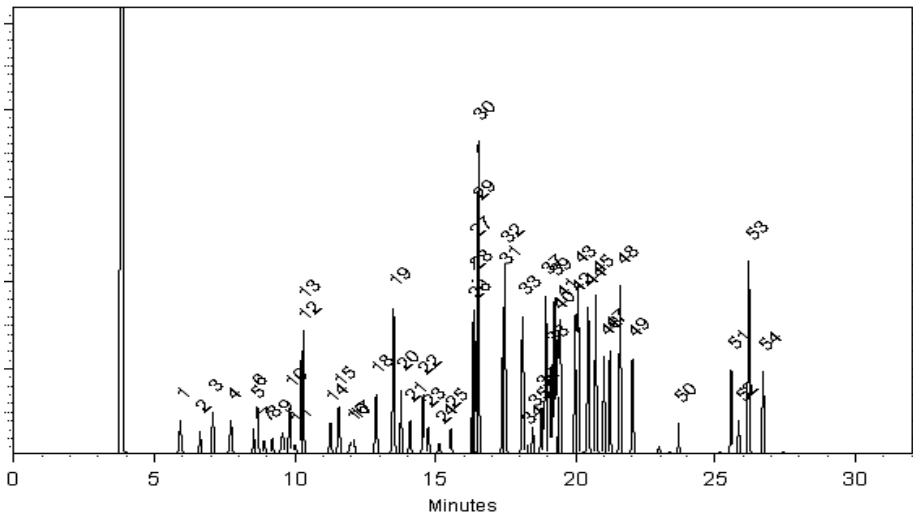
Inj. Temp:
200°C

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_00173

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.)

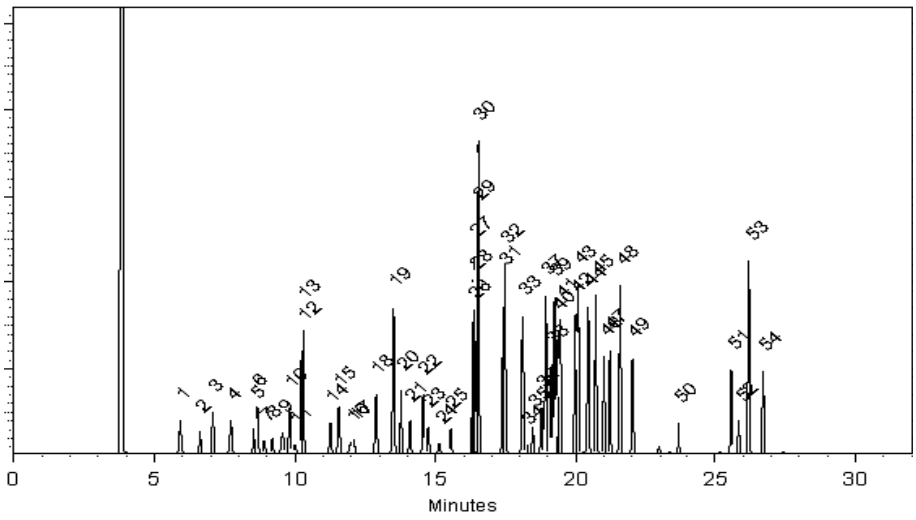
Inj. Temp:
200°C

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#2_00160

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.)

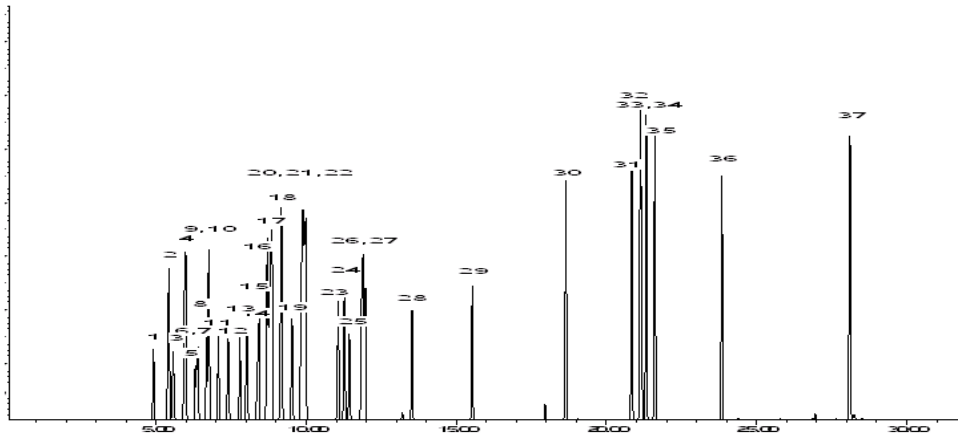
Inj. Temp:
200°C

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_00168

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.)

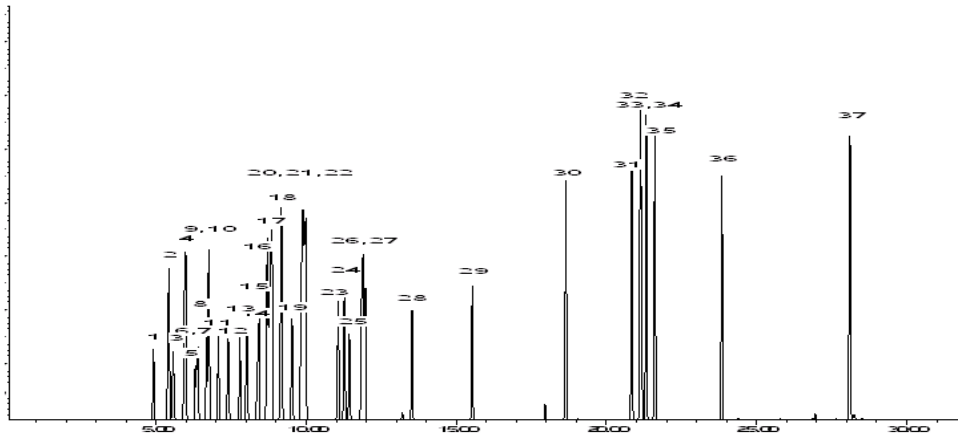
Inj. Temp:
200°C

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_MethylAcr_00002

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

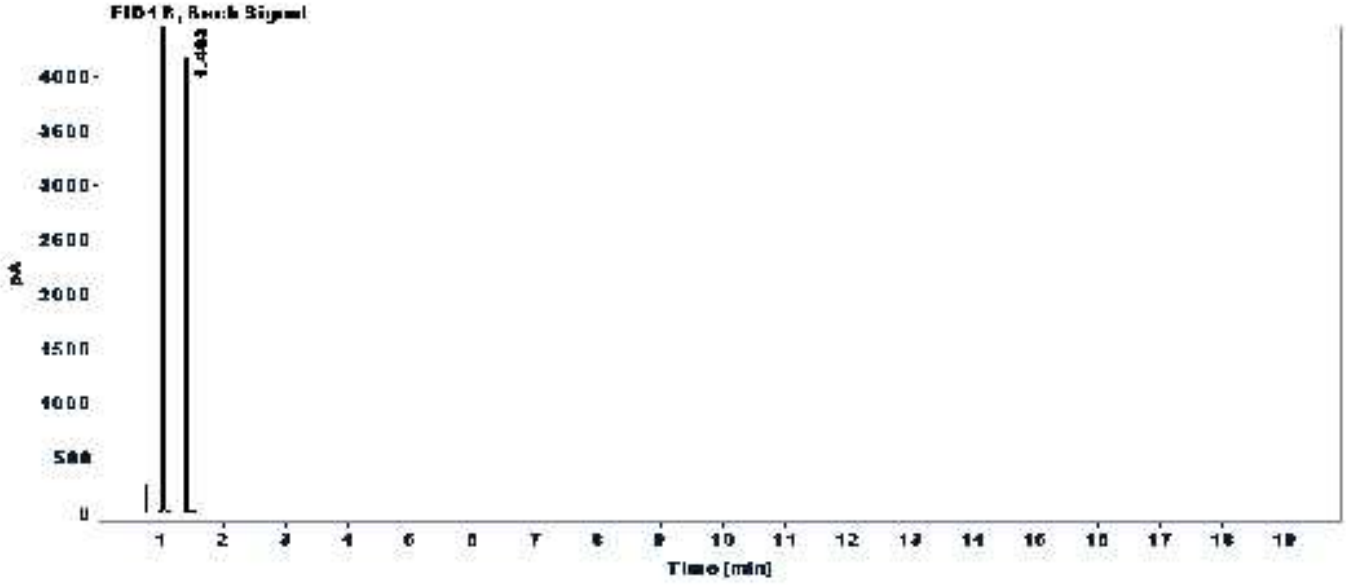
COA Form
Revision 3 (3/2015)

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		

Reagent

MSV_nButylAcr_00004

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

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

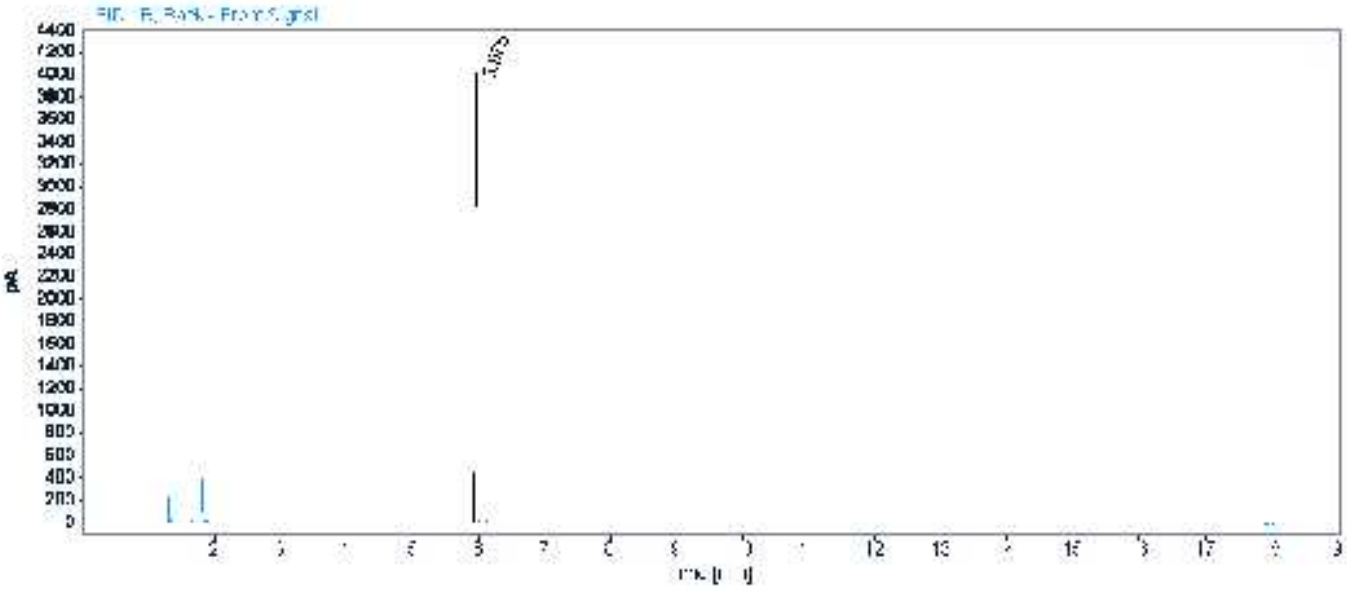
CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\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		

Reagent

MSV_QC_2K_GAS_00155

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom Gases.SEC Standard

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

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

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

Ship: Ambient

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

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

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

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

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

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

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

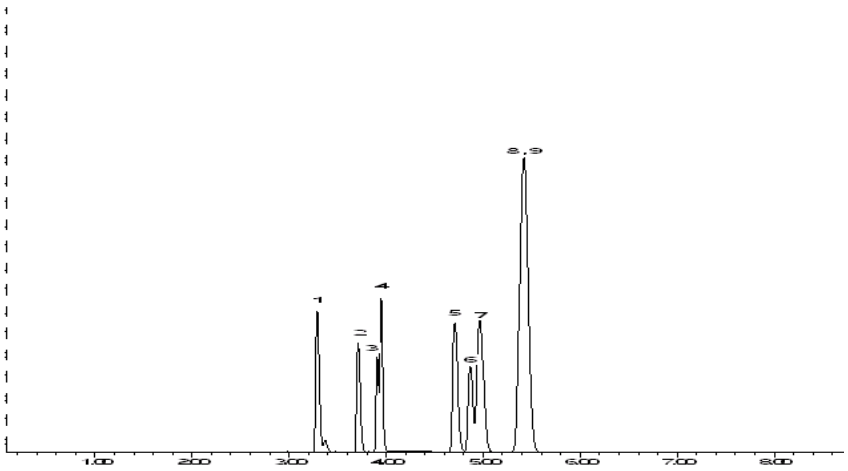
Carrier Gas:
helium-constant flow 2.0 mL/min.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Brandon Reish - Mix Technician

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

Marlina Cowan - Operations Tech I

Date Passed: 10-May-2022

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_QC_2K_GAS_00207

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom Gases.SEC Standard

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

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

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

Ship: Ambient

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

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

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

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

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

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

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

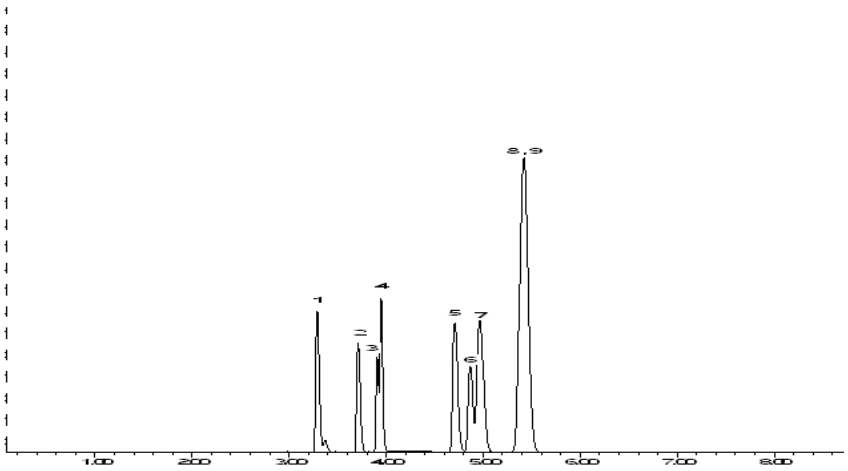
Carrier Gas:
helium-constant flow 2.0 mL/min.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Brandon Reish - Mix Technician

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

Marlina Cowan - Operations Tech I

Date Passed: 10-May-2022

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

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.: 410-164763-1

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-166-0/1-0	410-164763-1	96	104	108	96
HD-MW-167-0/1-0	410-164763-2	98	104	112	95
HD-MW-168-0/1-0	410-164763-3	96	100	110	97
	MB 410-488362/6	96	105	108	97
	LCS 410-488362/4	96	106	111	95

	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.: 410-164763-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 4M28X33.D

Lab ID: LCS 410-488362/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	20.5	103	78-120	
1,1,1-Trichloroethane	20.0	17.8	89	67-126	
1,1,2,2-Tetrachloroethane	20.0	20.6	103	72-120	
1,1,2-Trichloroethane	20.0	19.4	97	80-120	
1,1-Dichloroethane	20.0	17.5	88	80-120	
1,1-Dichloroethene	20.0	17.6	88	80-131	
1,2-Dibromoethane (EDB)	20.0	17.3	87	77-120	
1,2-Dichloroethane	20.0	18.3	91	73-124	
1,2-Dichloropropane	20.0	19.8	99	80-120	
2-Butanone (MEK)	250	228	91	59-135	
2-Hexanone	250	231	93	56-135	
4-Methyl-2-pentanone (MIBK)	250	243	97	62-133	
Acetone	250	213	85	54-157	
Benzene	20.0	19.7	99	80-120	
Bromochloromethane	20.0	18.0	90	80-120	
Bromodichloromethane	20.0	18.7	93	71-120	
Bromoform	20.0	16.1	81	51-120	
Bromomethane	20.0	18.2	91	53-128	
Carbon disulfide	20.0	17.8	89	65-128	
Carbon tetrachloride	20.0	17.4	87	64-134	
Chlorobenzene	20.0	19.4	97	80-120	
Chloroethane	20.0	20.4	102	55-123	
Chloroform	20.0	17.0	85	80-120	
Chloromethane	20.0	17.7	89	56-121	
cis-1,2-Dichloroethene	20.0	17.9	90	80-125	
cis-1,3-Dichloropropene	20.0	17.0	85	75-120	
Dibromochloromethane	20.0	18.6	93	71-120	
Ethylbenzene	20.0	20.8	104	80-120	
Methyl tert-butyl ether	20.0	18.7	93	69-122	
Methylene Chloride	20.0	19.0	95	80-120	
Styrene	20.0	19.4	97	80-120	
Tetrachloroethene	20.0	20.8	104	80-120	
Toluene	20.0	21.0	105	80-120	
trans-1,2-Dichloroethene	20.0	16.8	84	80-126	
trans-1,3-Dichloropropene	20.0	16.8	84	67-120	
Trichloroethene	20.0	19.5	97	80-120	
Vinyl chloride	20.0	17.9	89	56-120	
Xylenes, Total	60.0	62.6	104	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1

SDG No.:

Lab File ID: 4M28X35.D Lab Sample ID: MB 410-488362/6

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

Instrument ID: 23297 Date Analyzed: 03/28/2024 21:31

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-488362/4	4M28X33.D	03/28/2024 20:46
HD-MW-166-0/1-0	410-164763-1	4M28X47.D	03/29/2024 02:02
HD-MW-167-0/1-0	410-164763-2	4M28X48.D	03/29/2024 02:24
HD-MW-168-0/1-0	410-164763-3	4M28X49.D	03/29/2024 02:47

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1

SDG No.:

Lab File ID: 4J31T01.D BFB Injection Date: 01/31/2024

Instrument ID: 23297 BFB Injection Time: 10:55

Analysis Batch No.: 468517

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.4	
75	30.0 - 60.0 % of mass 95	45.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	88.3	
175	5.0 - 9.0 % of mass 174	6.2	(7.0) 1
176	95.0 - 101.0 % of mass 174	86.8	(98.3) 1
177	5.0 - 9.0 % of mass 176	5.8	(6.7) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-468517/3	4J31X02.D	01/31/2024	11:33
	IC 410-468517/4	4J31X03.D	01/31/2024	11:56
	IC 410-468517/5	4J31X04.D	01/31/2024	12:18
	IC 410-468517/6	4J31X05.D	01/31/2024	12:40
	ICIS 410-468517/7	4J31X06.D	01/31/2024	13:03
	IC 410-468517/8	4J31X07.D	01/31/2024	13:25
	IC 410-468517/9	4J31X08.D	01/31/2024	13:47
	ICV 410-468517/11	4J31X10.D	01/31/2024	14:32

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1

SDG No.:

Lab File ID: 4M28T31.D BFB Injection Date: 03/28/2024

Instrument ID: 23297 BFB Injection Time: 19:46

Analysis Batch No.: 488362

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.2	
75	30.0 - 60.0 % of mass 95	46.1	
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	83.6	
175	5.0 - 9.0 % of mass 174	6.3	(7.5) 1
176	95.0 - 101.0 % of mass 174	81.3	(97.3) 1
177	5.0 - 9.0 % of mass 176	5.1	(6.3) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-488362/3	4M28X32.D	03/28/2024	20:23
	LCS 410-488362/4	4M28X33.D	03/28/2024	20:46
	MB 410-488362/6	4M28X35.D	03/28/2024	21:31
HD-MW-166-0/1-0	410-164763-1	4M28X47.D	03/29/2024	2:02
HD-MW-167-0/1-0	410-164763-2	4M28X48.D	03/29/2024	2:24
HD-MW-168-0/1-0	410-164763-3	4M28X49.D	03/29/2024	2:47

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1

SDG No.:

Sample No.: ICIS 410-468517/7 Date Analyzed: 01/31/2024 13:03

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

Lab File ID (Standard): 4J31X06.D Heated Purge: (Y/N) N

Calibration ID: 58241

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		532448	3.92	1250447	7.40	1020041	10.97
UPPER LIMIT		1064896	4.42	2500894	7.90	2040082	11.47
LOWER LIMIT		266224	3.42	625224	6.90	510021	10.47
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-468517/11		563189	3.92	1200858	7.40	1004421	10.97
CCVIS 410-488362/3		487722	3.91	1053971	7.40	810349	10.97

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.: 410-164763-1

SDG No.:

Sample No.: ICIS 410-468517/7 Date Analyzed: 01/31/2024 13:03

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

Lab File ID (Standard): 4J31X06.D Heated Purge: (Y/N) N

Calibration ID: 58241

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		639061	12.89				
UPPER LIMIT		1278122	13.39				
LOWER LIMIT		319531	12.39				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-468517/11		642368	12.89				
CCVIS 410-488362/3		482057	12.88				

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.: 410-164763-1

SDG No.:

Sample No.: CCVIS 410-488362/3 Date Analyzed: 03/28/2024 20:23

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

Lab File ID (Standard): 4M28X32.D Heated Purge: (Y/N) N

Calibration ID: 58241

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		487722	3.91	1053971	7.40	810349	10.97
UPPER LIMIT		975444	4.41	2107942	7.90	1620698	11.47
LOWER LIMIT		243861	3.41	526986	6.90	405175	10.47
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-488362/4		497320	3.92	1096717	7.40	826159	10.97
MB 410-488362/6		523079	3.92	1095630	7.40	830768	10.97
410-164763-1	HD-MW-166-0/1-0	470186	3.91	1103465	7.40	824176	10.97
410-164763-2	HD-MW-167-0/1-0	492470	3.91	1095962	7.40	800687	10.97
410-164763-3	HD-MW-168-0/1-0	454654	3.91	1028920	7.40	751121	10.97

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.: 410-164763-1

SDG No.:

Sample No.: CCVIS 410-488362/3 Date Analyzed: 03/28/2024 20:23

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

Lab File ID (Standard): 4M28X32.D Heated Purge: (Y/N) N

Calibration ID: 58241

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		482057	12.88				
UPPER LIMIT		964114	13.38				
LOWER LIMIT		241029	12.38				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-488362/4		500268	12.89				
MB 410-488362/6		526261	12.88				
410-164763-1	HD-MW-166-0/1-0	512635	12.89				
410-164763-2	HD-MW-167-0/1-0	494250	12.89				
410-164763-3	HD-MW-168-0/1-0	472311	12.88				

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.: 410-164763-1

SDG No.:

Client Sample ID: HD-MW-166-0/1-0
Lab Sample ID: 410-164763-1

Matrix: Water
Lab File ID: 4M28X47.D

Analysis Method: 8260D
Date Collected: 03/20/2024 09:30

Sample wt/vol: 5(mL)
Date Analyzed: 03/29/2024 02:02

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.: 488362
Units: ug/L

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	0.51	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	0.89	J	1.0	0.30
108-88-3	Toluene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164763-1

SDG No.:

Client Sample ID: HD-MW-166-0/1-0
Lab Sample ID: 410-164763-1

Matrix: Water
Lab File ID: 4M28X47.D

Analysis Method: 8260D
Date Collected: 03/20/2024 09:30

Sample wt/vol: 5(mL)
Date Analyzed: 03/29/2024 02:02

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.: 488362
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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	0.49	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)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		80-120
2037-26-5	Toluene-d8 (Surr)	108		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\4M28X47.D
Lims ID: 410-164763-A-1
Client ID: HD-MW-166-0/1-0
Sample Type: Client
Inject. Date: 29-Mar-2024 02:02:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109847-018
Operator ID: mec29284 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 29-Mar-2024 00:22:07 Calib Date: 31-Jan-2024 13:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1677

First Level Reviewer: FQ4L Date: 29-Mar-2024 13:23:13

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	4 Chloromethane	50		1.983				ND	
	5 Vinyl chloride	62		2.086				ND	
	8 Bromomethane	94		2.402				ND	7
	9 Chloroethane	64		2.482				ND	
	17 1,1-Dichloroethene	96		3.279				ND	
	18 Acetone	58		3.291				ND	
	22 Carbon disulfide	76		3.564				ND	
	27 Methylene Chloride	84		3.887				ND	
*	28 t-Butyl alcohol-d10 (IS)	65	3.911	3.905	0.006	35	470186	250.0	
	31 Methyl tert-butyl ether	73		4.252				ND	
	32 trans-1,2-Dichloroethene	96		4.258				ND	
	35 1,1-Dichloroethane	63		4.921				ND	
	40 2-Butanone (MEK)	43		5.748				ND	
	41 cis-1,2-Dichloroethene	96		5.773				ND	
	48 Chlorobromomethane	128		6.113				ND	
	50 Chloroform	83	6.272	6.266	0.006	91	6082	0.5127	
$	51 Dibromofluoromethane (Surr)	113	6.497	6.485	0.012	94	282004	47.9	
	52 1,1,1-Trichloroethane	97		6.497				ND	
	54 Carbon tetrachloride	117		6.710				ND	
$	57 1,2-Dichloroethane-d4 (Surr)	102	6.953	6.947	0.006	80	68811	52.1	
	58 Benzene	78		6.983				ND	
	59 1,2-Dichloroethane	62		7.056				ND	
*	62 Fluorobenzene (IS)	96	7.397	7.397	0.000	99	1103465	50.0	
	66 Trichloroethene	95	7.890	7.884	0.006	96	2844	0.4895	
	69 1,2-Dichloropropane	63		8.218				ND	
	75 Dichlorobromomethane	83		8.571				ND	
	78 cis-1,3-Dichloropropene	75		9.137				ND	
	79 4-Methyl-2-pentanone (MIBK)	43		9.326				ND	7
$	80 Toluene-d8 (Surr)	98	9.466	9.459	0.007	93	1099373	54.2	
	81 Toluene	92		9.545				ND	
	82 trans-1,3-Dichloropropene	75		9.818				ND	
	118 1,1,2-Trichloroethane	97		10.025				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
119 Tetrachloroethene	166	10.116	10.116	0.000	94	5233	0.8892	
123 2-Hexanone	43		10.256				ND	7
125 Chlorodibromomethane	129		10.415				ND	
127 Ethylene Dibromide	107		10.524				ND	
* 128 Chlorobenzene-d5 (IS)	117	10.974	10.974	0.000	85	824176	50.0	
130 Chlorobenzene	112		10.999				ND	
131 1,1,1,2-Tetrachloroethane	131		11.084				ND	
132 Ethylbenzene	91		11.090				ND	
134 m-Xylene & p-Xylene	106		11.211				ND	
S 133 Xylenes, Total	106		11.245				ND	7
136 o-Xylene	106		11.546				ND	
137 Styrene	104		11.558				ND	
138 Bromoform	173		11.710				ND	
$ 142 4-Bromofluorobenzene (Surr)	95	11.990	11.990	0.000	91	413725	48.2	
143 1,1,2,2-Tetrachloroethane	83		12.100				ND	
* 160 1,4-Dichlorobenzene-d4	152	12.885	12.878	0.006	94	512635	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP04_ISSS_00002 Amount Added: 1.00 Units: uL Run Reagent

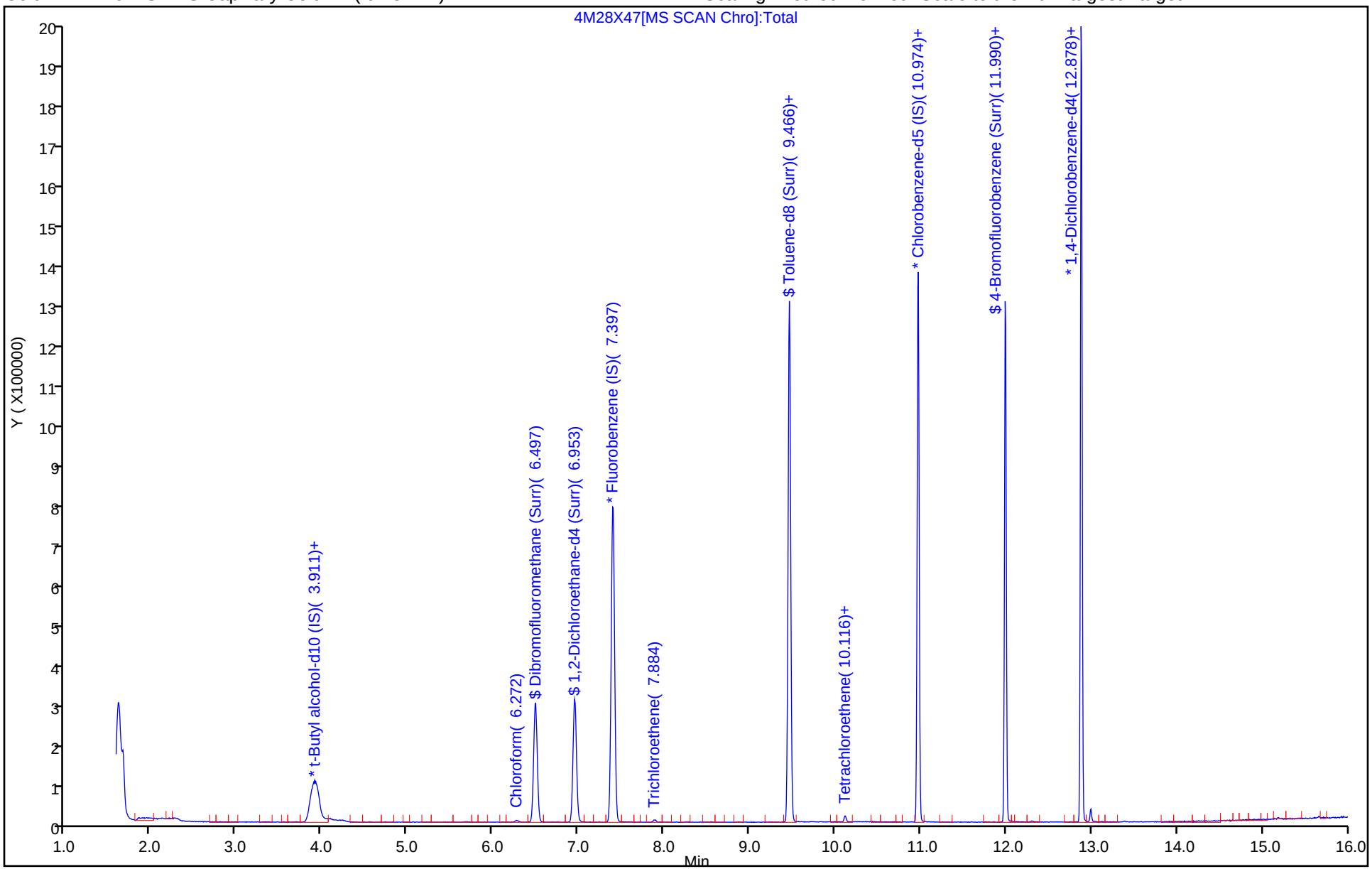
Report Date: 29-Mar-2024 13:23:13 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\4M28X47.D

Injection Date:	29-Mar-2024 02:02:30	Instrument ID:	23297	Operator ID:	mec29284
Lims ID:	410-164763-A-1	Lab Sample ID:	410-164763-1	Worklist Smp#:	18
Client ID:	HD-MW-166-0/1-0				
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\20240328-109847.b\4M28X47.D				
Lims ID:	410-164763-A-1				
Client ID:	HD-MW-166-0/1-0				
Sample Type:	Client				
Inject. Date:	29-Mar-2024 02:02:30	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0109847-018				
Operator ID:	mec29284	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20240328-109847.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	29-Mar-2024 00:22:07	Calib Date:	31-Jan-2024 13:47:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1677				

First Level Reviewer: FQ4L Date: 29-Mar-2024 13:23:13

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	47.9	95.88
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	52.1	104.18
$ 80 Toluene-d8 (Surr)	50.0	54.2	108.33
$ 142 4-Bromofluorobenzene (Surr)	50.0	48.2	96.48

Report Date: 29-Mar-2024 13:23:13 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\4M28X47.D

Injection Date: 29-Mar-2024 02:02:30 Instrument ID: 23297

Lims ID: 410-164763-A-1 Lab Sample ID: 410-164763-1

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

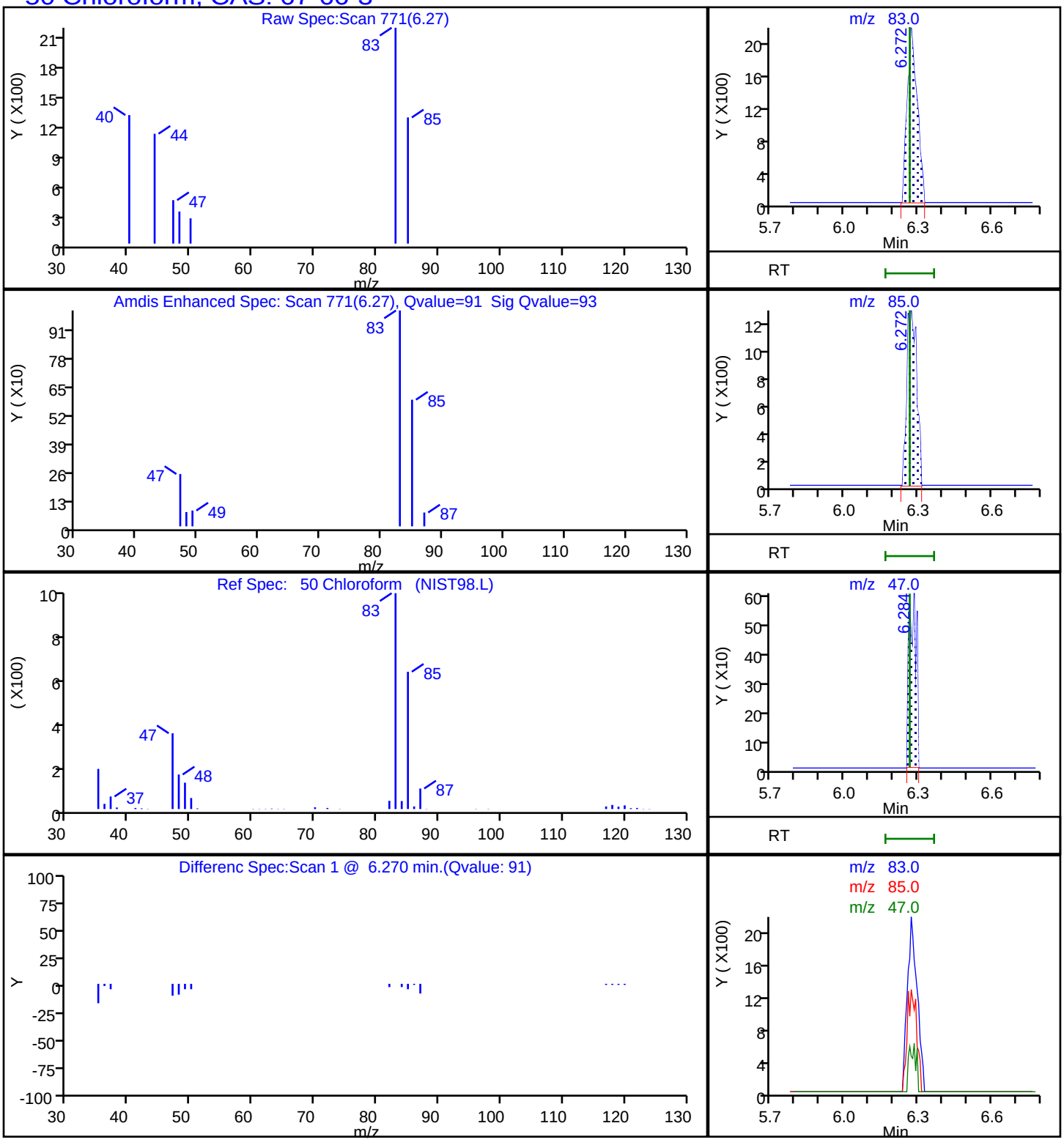
Operator ID: mec29284 ALS Bottle#: 17 Worklist Smp#: 18

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

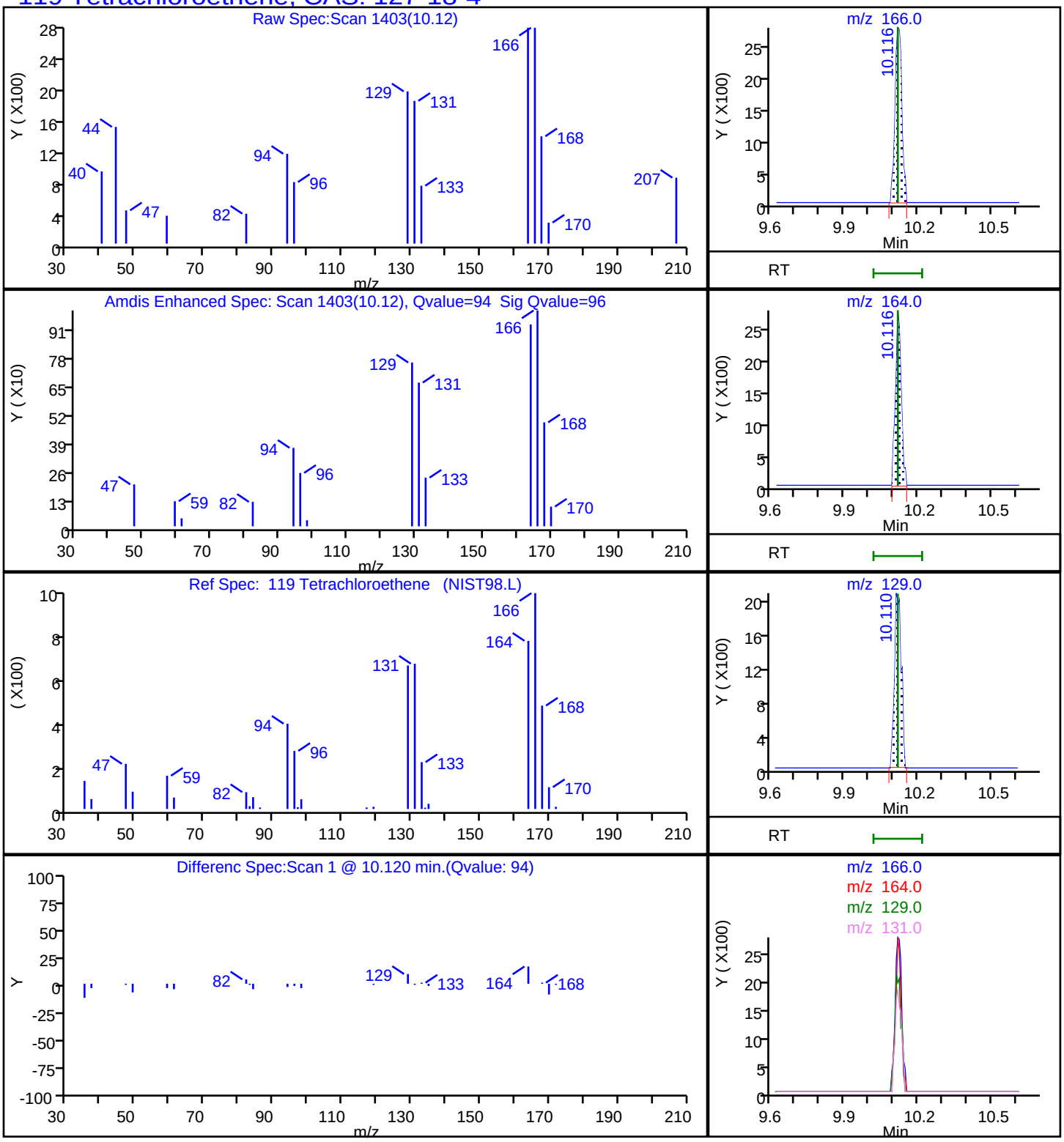
50 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20240328-109847.b\4M28X47.D				
Injection Date:	29-Mar-2024 02:02:30	Instrument ID:	23297		
Lims ID:	410-164763-A-1	Lab Sample ID:	410-164763-1		
Client ID:	HD-MW-166-0/1-0				
Operator ID:	mec29284	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		

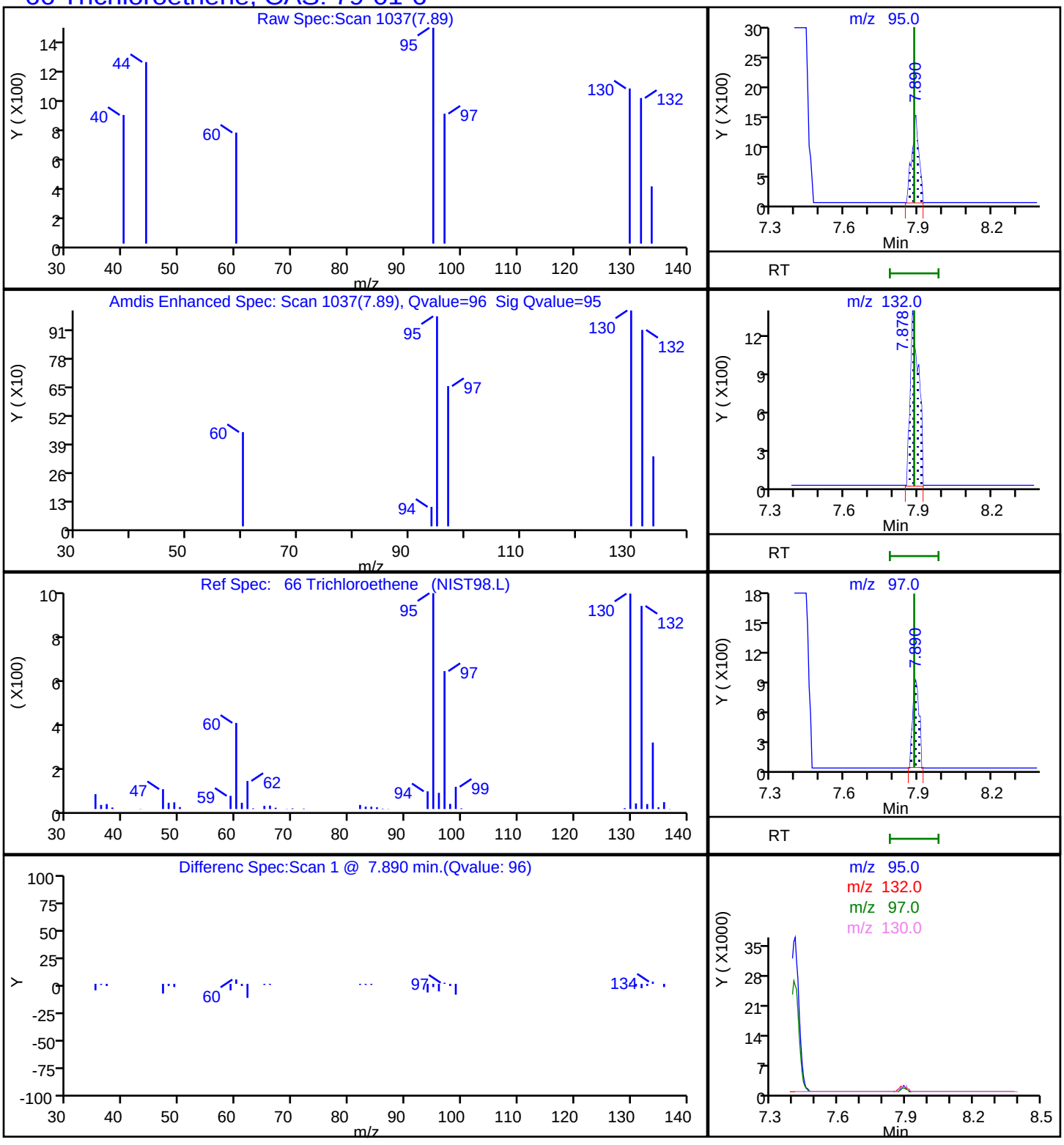
119 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20240328-109847.b\4M28X47.D				
Injection Date:	29-Mar-2024 02:02:30	Instrument ID:	23297		
Lims ID:	410-164763-A-1	Lab Sample ID:	410-164763-1		
Client ID:	HD-MW-166-0/1-0				
Operator ID:	mec29284	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		

66 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164763-1

SDG No.:

Client Sample ID: HD-MW-167-0/1-0
Lab Sample ID: 410-164763-2

Matrix: Water
Lab File ID: 4M28X48.D

Analysis Method: 8260D
Date Collected: 03/20/2024 09:25

Sample wt/vol: 5(mL)
Date Analyzed: 03/29/2024 02:24

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.: 488362
Units: ug/L

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	1.8		1.0	0.30
108-88-3	Toluene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164763-1

SDG No.:

Client Sample ID: HD-MW-167-0/1-0
Lab Sample ID: 410-164763-2

Matrix: Water
Lab File ID: 4M28X48.D

Analysis Method: 8260D
Date Collected: 03/20/2024 09:25

Sample wt/vol: 5(mL)
Date Analyzed: 03/29/2024 02:24

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.: 488362
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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	0.41	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)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	98		80-120
2037-26-5	Toluene-d8 (Surr)	112		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\4M28X48.D
Lims ID: 410-164763-A-2
Client ID: HD-MW-167-0/1-0
Sample Type: Client
Inject. Date: 29-Mar-2024 02:24:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109847-019
Operator ID: mec29284 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 29-Mar-2024 00:46:05 Calib Date: 31-Jan-2024 13:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1677

First Level Reviewer: FQ4L Date: 29-Mar-2024 13:49:39

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	4 Chloromethane	50		1.983				ND	
	5 Vinyl chloride	62		2.086				ND	
	8 Bromomethane	94		2.402				ND	7
	9 Chloroethane	64		2.482				ND	
	17 1,1-Dichloroethene	96		3.279				ND	
	18 Acetone	58		3.291				ND	
	22 Carbon disulfide	76		3.564				ND	
	27 Methylene Chloride	84		3.887				ND	
*	28 t-Butyl alcohol-d10 (IS)	65	3.911	3.905	0.006	35	492470	250.0	
	31 Methyl tert-butyl ether	73		4.252				ND	
	32 trans-1,2-Dichloroethene	96		4.258				ND	
	35 1,1-Dichloroethane	63		4.921				ND	
	40 2-Butanone (MEK)	43		5.748				ND	
	41 cis-1,2-Dichloroethene	96		5.773				ND	
	48 Chlorobromomethane	128		6.113				ND	
	50 Chloroform	83	6.290	6.266	0.024	1	1449	0.1230	
$	51 Dibromofluoromethane (Surr)	113	6.497	6.485	0.012	93	285196	48.8	
	52 1,1,1-Trichloroethane	97		6.497				ND	
	54 Carbon tetrachloride	117		6.710				ND	
$	57 1,2-Dichloroethane-d4 (Surr)	102	6.959	6.947	0.012	80	68441	52.2	
	58 Benzene	78		6.983				ND	
	59 1,2-Dichloroethane	62		7.056				ND	
*	62 Fluorobenzene (IS)	96	7.403	7.397	0.006	99	1095962	50.0	
	66 Trichloroethene	95	7.890	7.884	0.006	28	2381	0.4126	
	69 1,2-Dichloropropane	63		8.218				ND	
	75 Dichlorobromomethane	83		8.571				ND	
	78 cis-1,3-Dichloropropene	75		9.137				ND	
	79 4-Methyl-2-pentanone (MIBK)	43		9.326				ND	
$	80 Toluene-d8 (Surr)	98	9.466	9.459	0.007	93	1099812	55.8	
	81 Toluene	92		9.545				ND	
	82 trans-1,3-Dichloropropene	75		9.818				ND	
	118 1,1,2-Trichloroethane	97		10.025				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
119 Tetrachloroethene	166	10.117	10.116	0.001	95	10354	1.81	
123 2-Hexanone	43		10.256				ND	
125 Chlorodibromomethane	129		10.415				ND	
127 Ethylene Dibromide	107		10.524				ND	
* 128 Chlorobenzene-d5 (IS)	117	10.974	10.974	0.000	85	800687	50.0	
130 Chlorobenzene	112		10.999				ND	
131 1,1,1,2-Tetrachloroethane	131		11.084				ND	
132 Ethylbenzene	91		11.090				ND	
134 m-Xylene & p-Xylene	106		11.211				ND	
S 133 Xylenes, Total	106		11.245				ND	7
136 o-Xylene	106		11.546				ND	
137 Styrene	104		11.558				ND	
138 Bromoform	173		11.710				ND	
$ 142 4-Bromofluorobenzene (Surr)	95	11.990	11.990	0.000	92	395855	47.5	
143 1,1,2,2-Tetrachloroethane	83		12.100				ND	
* 160 1,4-Dichlorobenzene-d4	152	12.885	12.878	0.007	94	494250	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP04_ISSS_00002 Amount Added: 1.00 Units: uL Run Reagent

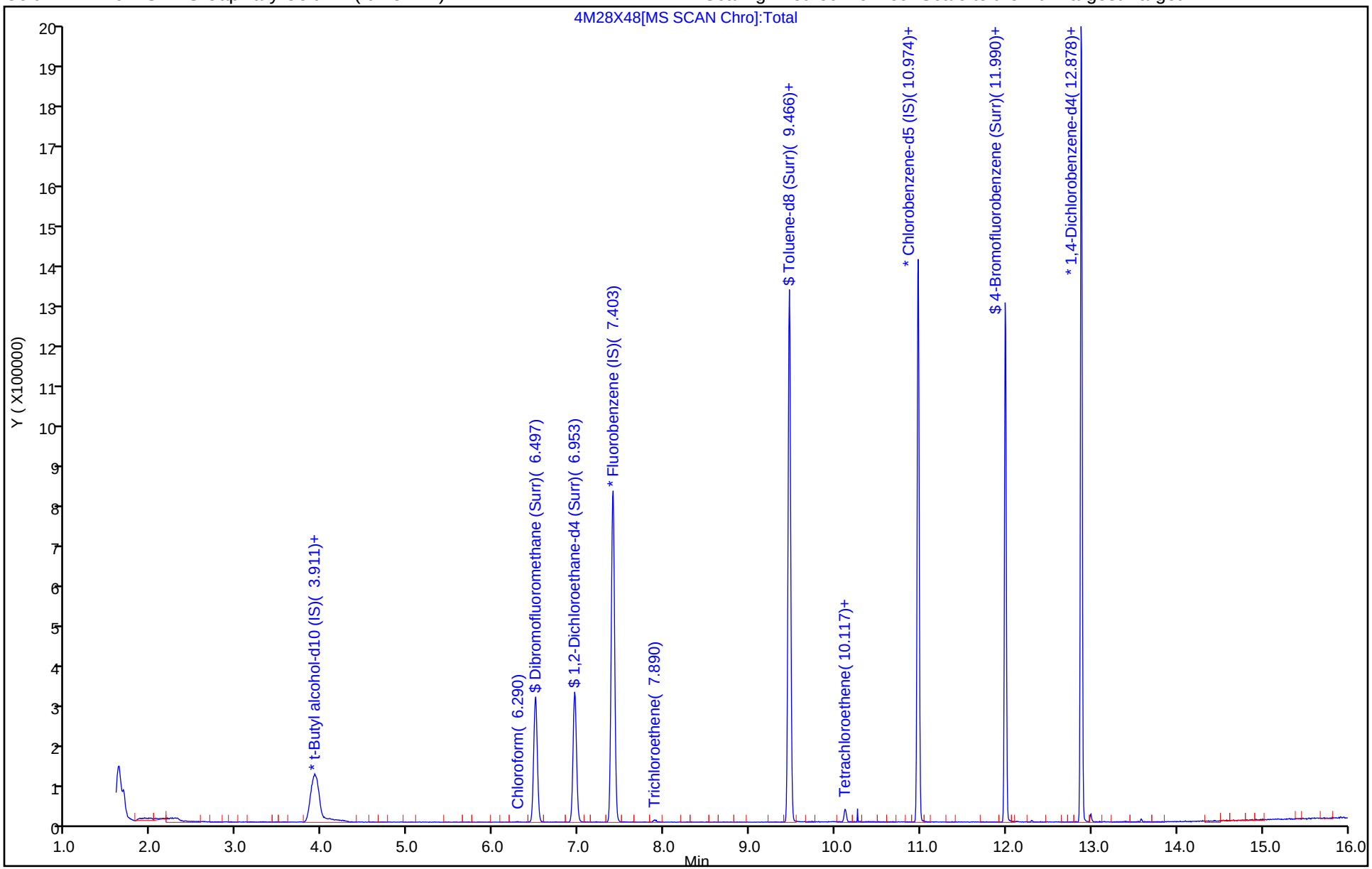
Report Date: 29-Mar-2024 13:49:39 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\4M28X48.D

Injection Date:	29-Mar-2024 02:24:30	Instrument ID:	23297	Operator ID:	mec29284
Lims ID:	410-164763-A-2	Lab Sample ID:	410-164763-2	Worklist Smp#:	19
Client ID:	HD-MW-167-0/1-0				
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\20240328-109847.b\4M28X48.D
Lims ID: 410-164763-A-2
Client ID: HD-MW-167-0/1-0
Sample Type: Client
Inject. Date: 29-Mar-2024 02:24:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109847-019
Operator ID: mec29284 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 29-Mar-2024 00:46:05 Calib Date: 31-Jan-2024 13:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1677

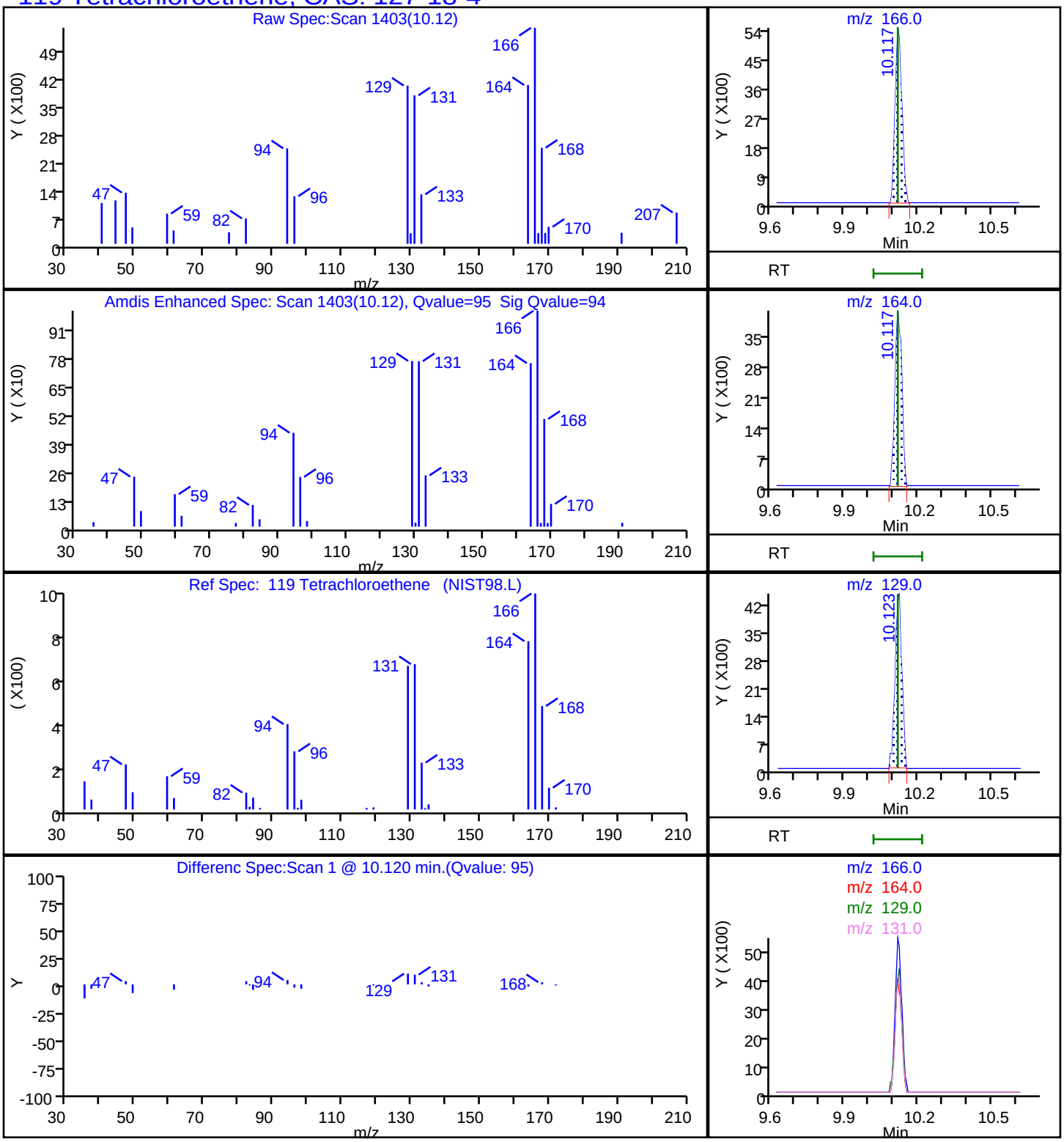
First Level Reviewer: FQ4L Date: 29-Mar-2024 13:49:39

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	48.8	97.63
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	52.2	104.33
$ 80 Toluene-d8 (Surr)	50.0	55.8	111.55
$ 142 4-Bromofluorobenzene (Surr)	50.0	47.5	95.02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20240328-109847.b\4M28X48.D				
Injection Date:	29-Mar-2024 02:24:30	Instrument ID:	23297		
Lims ID:	410-164763-A-2	Lab Sample ID:	410-164763-2		
Client ID:	HD-MW-167-0/1-0				
Operator ID:	mec29284	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 (0.25 mm)	Detector	MS Quad		

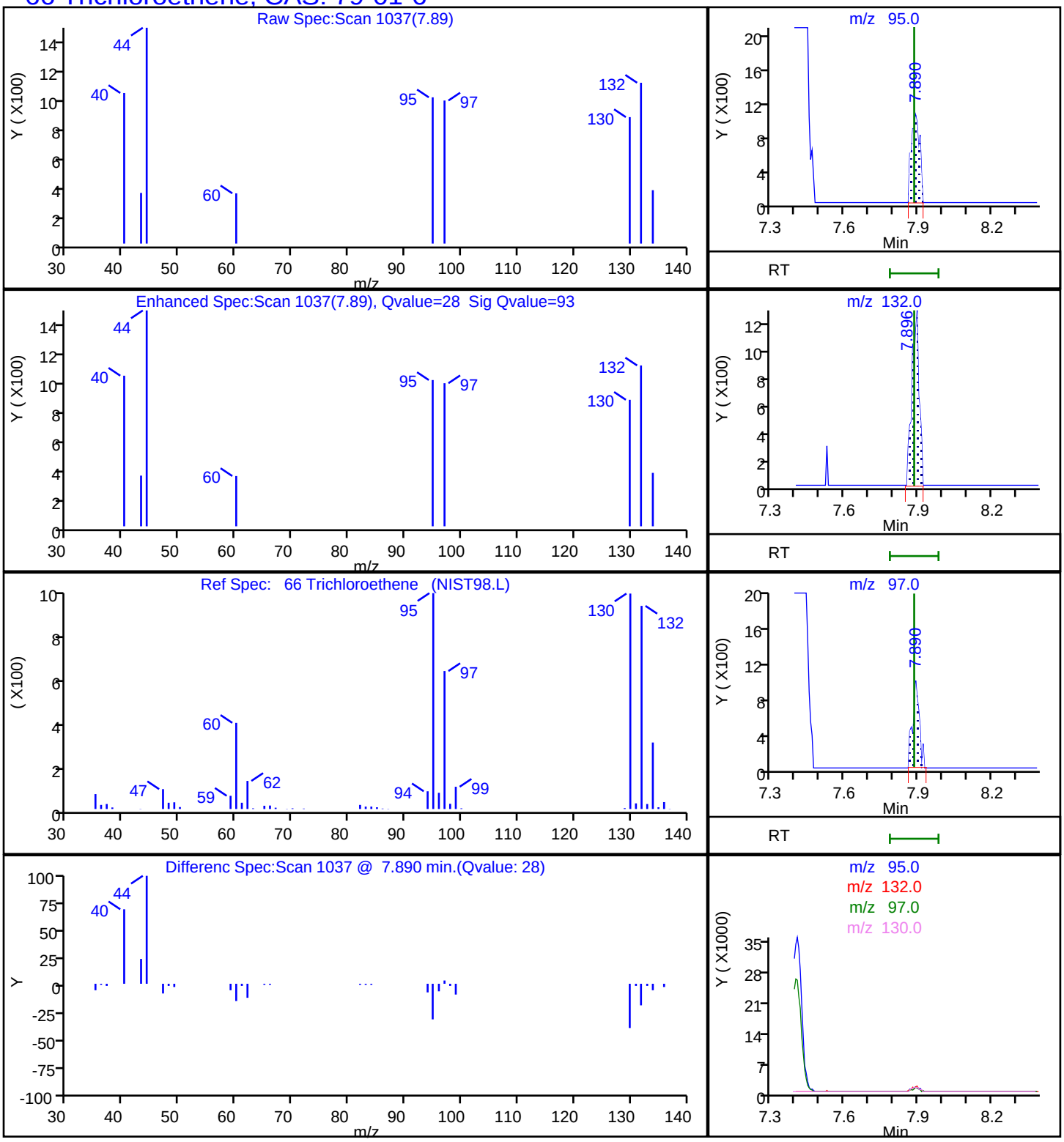
119 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20240328-109847.b\4M28X48.D				
Injection Date:	29-Mar-2024 02:24:30	Instrument ID:	23297		
Lims ID:	410-164763-A-2	Lab Sample ID:	410-164763-2		
Client ID:	HD-MW-167-0/1-0				
Operator ID:	mec29284	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 (0.25 mm)	Detector	MS Quad		

66 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164763-1

SDG No.:

Client Sample ID: HD-MW-168-0/1-0
Lab Sample ID: 410-164763-3

Matrix: Water
Lab File ID: 4M28X49.D

Analysis Method: 8260D
Date Collected: 03/20/2024 09:20

Sample wt/vol: 5(mL)
Date Analyzed: 03/29/2024 02:47

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.: 488362
Units: ug/L

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
108-88-3	Toluene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164763-1

SDG No.:

Client Sample ID: HD-MW-168-0/1-0
Lab Sample ID: 410-164763-3

Matrix: Water
Lab File ID: 4M28X49.D

Analysis Method: 8260D
Date Collected: 03/20/2024 09:20

Sample wt/vol: 5(mL)
Date Analyzed: 03/29/2024 02:47

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.: 488362
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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)	96		80-120
2037-26-5	Toluene-d8 (Surr)	110		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\4M28X49.D
Lims ID: 410-164763-A-3
Client ID: HD-MW-168-0/1-0
Sample Type: Client
Inject. Date: 29-Mar-2024 02:47:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109847-020
Operator ID: mec29284 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 29-Mar-2024 01:06:13 Calib Date: 31-Jan-2024 13:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1677

First Level Reviewer: FQ4L Date: 29-Mar-2024 14:11:42

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	4 Chloromethane	50		1.983				ND	7
	5 Vinyl chloride	62		2.086				ND	
	8 Bromomethane	94		2.402				ND	7
	9 Chloroethane	64		2.482				ND	
	17 1,1-Dichloroethene	96		3.279				ND	
	18 Acetone	58		3.291				ND	
	22 Carbon disulfide	76		3.564				ND	
	27 Methylene Chloride	84		3.887				ND	
*	28 t-Butyl alcohol-d10 (IS)	65	3.905	3.905	0.000	36	454654	250.0	
	31 Methyl tert-butyl ether	73		4.252				ND	
	32 trans-1,2-Dichloroethene	96		4.258				ND	
	35 1,1-Dichloroethane	63		4.921				ND	
	40 2-Butanone (MEK)	43		5.748				ND	
	41 cis-1,2-Dichloroethene	96		5.773				ND	
	48 Chlorobromomethane	128		6.113				ND	
	50 Chloroform	83	6.266	6.266	0.000	88	3379	0.3055	
$	51 Dibromofluoromethane (Surr)	113	6.491	6.485	0.006	93	262717	47.9	
	52 1,1,1-Trichloroethane	97		6.497				ND	
	54 Carbon tetrachloride	117		6.710				ND	
$	57 1,2-Dichloroethane-d4 (Surr)	102	6.953	6.947	0.006	80	61616	50.0	
	58 Benzene	78		6.983				ND	
	59 1,2-Dichloroethane	62		7.056				ND	
*	62 Fluorobenzene (IS)	96	7.397	7.397	0.000	99	1028920	50.0	
	66 Trichloroethene	95		7.884				ND	
	69 1,2-Dichloropropane	63		8.218				ND	
	75 Dichlorobromomethane	83		8.571				ND	
	78 cis-1,3-Dichloropropene	75		9.137				ND	
	79 4-Methyl-2-pentanone (MIBK)	43		9.326				ND	
$	80 Toluene-d8 (Surr)	98	9.466	9.459	0.007	93	1021891	55.2	
	81 Toluene	92		9.545				ND	
	82 trans-1,3-Dichloropropene	75		9.818				ND	
	118 1,1,2-Trichloroethane	97		10.025				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
119 Tetrachloroethene	166		10.116				ND	
123 2-Hexanone	43		10.256				ND	
125 Chlorodibromomethane	129		10.415				ND	
127 Ethylene Dibromide	107		10.524				ND	
* 128 Chlorobenzene-d5 (IS)	117	10.974	10.974	0.000	85	751121	50.0	
130 Chlorobenzene	112		10.999				ND	
131 1,1,1,2-Tetrachloroethane	131		11.084				ND	
132 Ethylbenzene	91		11.090				ND	
134 m-Xylene & p-Xylene	106		11.211				ND	
S 133 Xylenes, Total	106		11.245				ND	7
136 o-Xylene	106		11.546				ND	
137 Styrene	104		11.558				ND	
138 Bromoform	173		11.710				ND	7
$ 142 4-Bromofluorobenzene (Surr)	95	11.990	11.990	0.000	92	378458	48.4	
143 1,1,2,2-Tetrachloroethane	83		12.100				ND	
* 160 1,4-Dichlorobenzene-d4	152	12.878	12.878	0.000	94	472311	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP04_ISSS_00002 Amount Added: 1.00 Units: uL Run Reagent

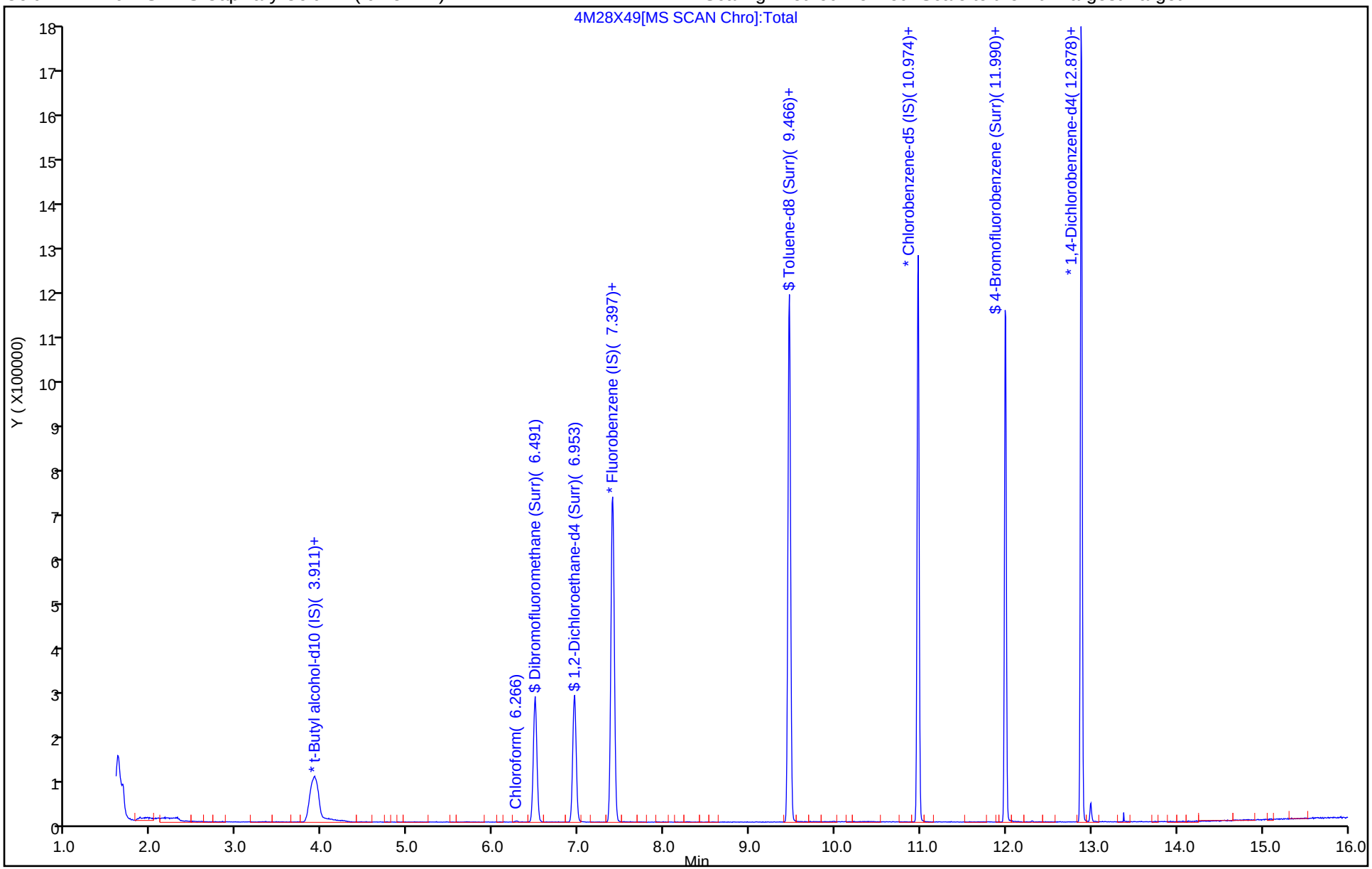
Report Date: 29-Mar-2024 14:11:42 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\4M28X49.D

Injection Date:	29-Mar-2024 02:47:30	Instrument ID:	23297	Operator ID:	mec29284
Lims ID:	410-164763-A-3	Lab Sample ID:	410-164763-3	Worklist Smp#:	20
Client ID:	HD-MW-168-0/1-0				
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\20240328-109847.b\4M28X49.D				
Lims ID:	410-164763-A-3				
Client ID:	HD-MW-168-0/1-0				
Sample Type:	Client				
Inject. Date:	29-Mar-2024 02:47:30	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0109847-020				
Operator ID:	mec29284	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20240328-109847.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	29-Mar-2024 01:06:13	Calib Date:	31-Jan-2024 13:47:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1677				

First Level Reviewer: FQ4L Date: 29-Mar-2024 14:11:42

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	47.9	95.80
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	50.0	100.04
$ 80 Toluene-d8 (Surr)	50.0	55.2	110.48
$ 142 4-Bromofluorobenzene (Surr)	50.0	48.4	96.84

Report Date: 29-Mar-2024 14:11:42 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\4M28X49.D

Injection Date: 29-Mar-2024 02:47:30 Instrument ID: 23297

Lims ID: 410-164763-A-3 Lab Sample ID: 410-164763-3

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

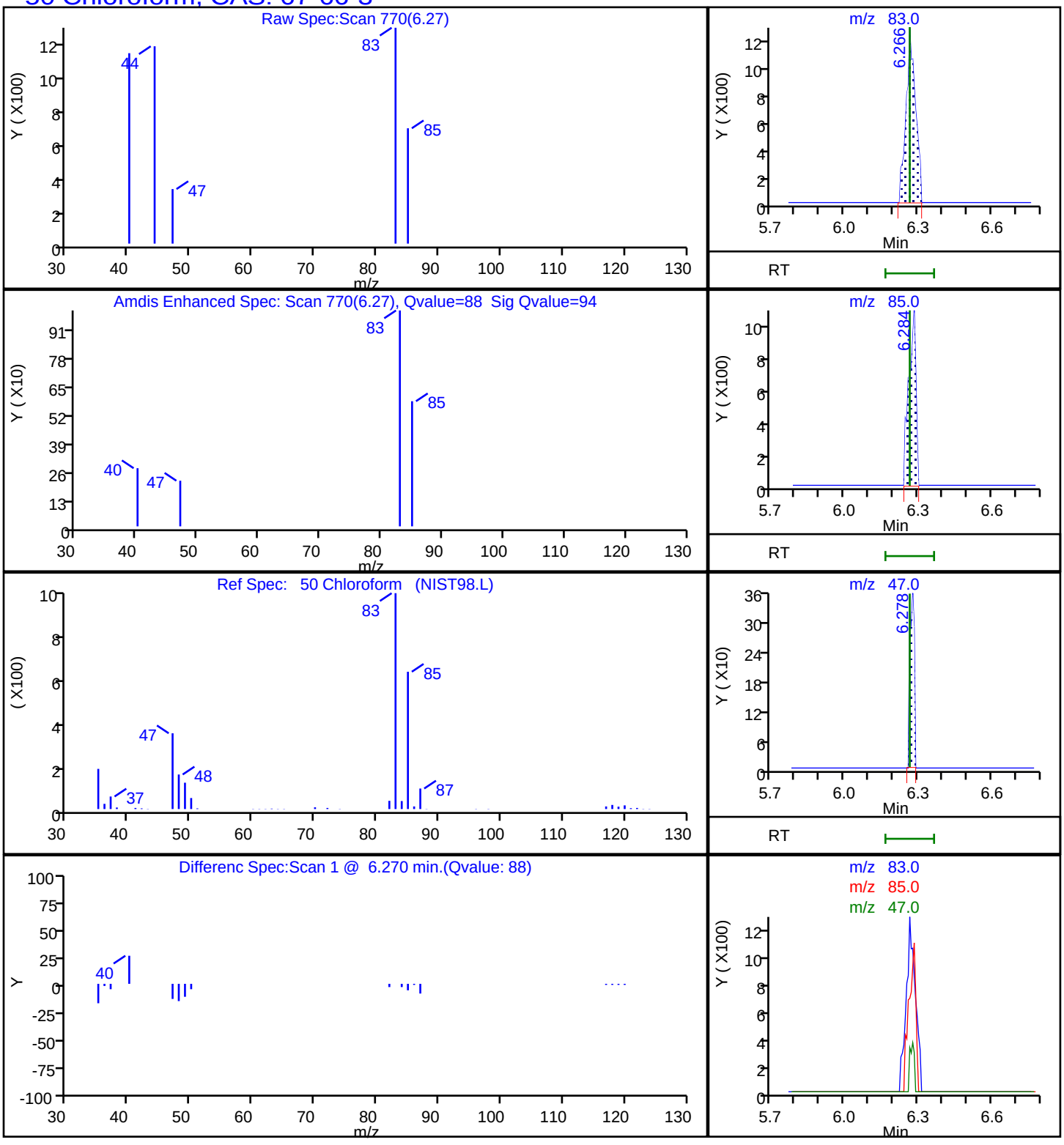
Operator ID: mec29284 ALS Bottle#: 19 Worklist Smp#: 20

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: MSVoa_23297 Limit Group: MSV - 8260C_D

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

50 Chloroform, CAS: 67-66-3



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1 Analy Batch No.: 468517

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2024 11:33 Calibration End Date: 01/31/2024 13:47 Calibration ID: 58241

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-468517/3	4J31X02.D
Level 2	IC 410-468517/4	4J31X03.D
Level 3	IC 410-468517/5	4J31X04.D
Level 4	IC 410-468517/6	4J31X05.D
Level 5	ICIS 410-468517/7	4J31X06.D
Level 6	IC 410-468517/8	4J31X07.D
Level 7	IC 410-468517/9	4J31X08.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	0.4186 0.4477	0.3380 0.4460	0.4056	0.4943	0.4798	Ave		0.4329			0.1000	12.1		20.0			
Chloromethane	0.5198 0.3907	0.3896 0.3759	0.4390	0.4537	0.4047	Ave		0.4248			0.1000	11.9		20.0			
Vinyl chloride	0.4489 0.3969	0.3653 0.3834	0.4180	0.4568	0.4196	Ave		0.4127			0.1000	8.1		20.0			
1,3-Butadiene	0.4579 0.3789	0.3343 0.3699	0.3603	0.4222	0.3984	Ave		0.3888				10.6		20.0			
Bromomethane	0.3668 0.2920	0.2846 0.2823	0.3172	0.3438	0.3059	Ave		0.3132			0.1000	10.2		20.0			
Chloroethane	0.2353 0.2127	0.1933 0.2028	0.2209	0.2387	0.2147	Ave		0.2169			0.1000	7.5		20.0			
Dichlorofluoromethane	0.6884 0.6366	0.5897 0.6118	0.6773	0.7391	0.6534	Ave		0.6566			0.1000	7.7		20.0			
Trichlorofluoromethane	0.4393 0.5250	0.3953 0.5198	0.4778	0.5740	0.5576	Ave		0.4984			0.1000	12.9		20.0			
n-Pentane	0.3862 0.5013	0.4101 0.5175	0.5369	0.5563	0.5434	Ave		0.4931				13.7		20.0			
Ethanol	+++++ 0.0606	0.0503 0.0617	0.0658	0.0659	0.0633	Ave		0.0613				9.4		20.0			
Freon 123a	0.3466 0.3214	0.2846 0.3146	0.3178	0.3574	0.3348	Ave		0.3253				7.3		20.0			
Acrolein	1.3590 1.4382	1.2415 1.3436	1.2541	1.5187	1.3495	Ave		1.3578				7.2		20.0			
Freon 113	0.2448 0.2887	0.2432 0.2866	0.2963	0.3055	0.3038	Ave		0.2813			0.1000	9.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1 Analy Batch No.: 468517

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2024 11:33 Calibration End Date: 01/31/2024 13:47 Calibration ID: 58241

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	0.5779 0.7045	0.5840 0.6974	0.6386	0.7973	0.7079	Ave		0.6725			0.1000	11.6		20.0			
1,1-Dichloroethene	0.2860 0.2713	0.2483 0.2686	0.2898	0.2967	0.2851	Ave		0.2780			0.1000	5.9		20.0			
Methyl iodide	0.5477 0.5441	0.5131 0.5303	0.5864	0.6032	0.5664	Ave		0.5559				5.7		20.0			
2-Propanol	0.4549 0.7111	0.5028 0.5020	0.6454	0.6116	0.5862	Ave		0.5734				15.9		20.0			
Carbon disulfide	0.9242 0.9480	0.8651 0.9358	0.9906	1.0229	1.0101	Ave		0.9567			0.1000	5.8		20.0			
Methyl acetate	0.3203 0.3943	0.3181 0.3296	0.3641	0.3604	0.3607	Ave		0.3497			0.1000	8.0		20.0			
Allyl chloride	0.5399 0.4104	0.4009 0.3943	0.4266	0.4480	0.4155	Ave		0.4336				11.5		20.0			
Methylene Chloride	0.3220 0.3037	0.2844 0.2922	0.3261	0.3371	0.3109	Ave		0.3109			0.1000	6.1		20.0			
t-Butyl alcohol	1.1272 1.3356	0.9302 0.8584	1.1400	1.1692	1.0020	Ave		1.0804				15.0		20.0			
Acrylonitrile	0.1937 0.2192	0.1766 0.1844	0.2077	0.2098	0.1940	Ave		0.1979				7.6		20.0			
Methyl tert-butyl ether	0.8648 0.8131	0.7779 0.7168	0.8913	0.8853	0.8053	Ave		0.8221			0.1000	7.7		20.0			
trans-1,2-Dichloroethene	0.2695 0.2858	0.2577 0.2793	0.2955	0.3071	0.2916	Ave		0.2838			0.1000	5.8		20.0			
n-Hexane	0.3457 0.3520	0.2770 0.3635	0.3237	0.3664	0.3686	Ave		0.3424				9.6		20.0			
1,1-Dichloroethane	0.4707 0.4778	0.4112 0.4687	0.4958	0.5043	0.4755	Ave		0.4720			0.2000	6.3		20.0			
Isopropyl ether	0.7739 0.7530	0.7035 0.6503	0.8032	0.8128	0.7496	Ave		0.7495				7.6		20.0			
2-Chloro-1,3-butadiene	0.3678 0.3941	0.3270 0.3976	0.3936	0.4124	0.3946	Ave		0.3839				7.4		20.0			
Ethyl t-butyl ether	0.7933 0.7595	0.7019 0.6543	0.8233	0.8212	0.7517	Ave		0.7579				8.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1 Analy Batch No.: 468517

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2024 11:33 Calibration End Date: 01/31/2024 13:47 Calibration ID: 58241

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)	0.3185 0.2763	0.2516 0.2724	0.2606	0.3063	0.2717	Ave		0.2796			0.1000	8.6		20.0			
cis-1,2-Dichloroethene	0.3057 0.3176	0.2692 0.3035	0.3179	0.3273	0.3077	Ave		0.3070			0.1000	6.1		20.0			
2,2-Dichloropropane	0.4677 0.4391	0.4135 0.4229	0.4613	0.4777	0.4486	Ave		0.4473				5.3		20.0			
Propionitrile	0.8984 1.2968	1.0117 1.0088	1.1135	1.1442	1.0443	Ave		1.0740				11.8		20.0			
Methyl acrylate	0.5127 0.4563	0.3955 0.4305	0.4527	0.4766	0.4317	Ave		0.4509				8.3		20.0			
Methacrylonitrile	0.1720 0.2154	0.1670 0.1748	0.2006	0.1966	0.1833	Ave		0.1871				9.4		20.0			
Bromochloromethane	0.1627 0.1706	0.1483 0.1607	0.1694	0.1741	0.1665	Ave		0.1646				5.2		20.0			
Tetrahydrofuran	0.8878 1.1450	0.9058 0.9191	0.9733	1.0239	0.9282	Ave		0.9690				9.3		20.0			
Chloroform	0.7669 0.5022	0.4982 0.4744	0.5203	0.5152	0.4857	Ave		0.5376			0.2000	19.0		20.0			
1,1,1-Trichloroethane	0.4180 0.4536	0.3932 0.4372	0.4768	0.4900	0.4685	Ave		0.4482			0.1000	7.7		20.0			
Cyclohexane	0.4747 0.4810	0.4074 0.4814	0.4885	0.5268	0.5148	Ave		0.4821			0.1000	7.9		20.0			
1,1-Dichloropropene	0.2972 0.3371	0.2885 0.3362	0.3321	0.3520	0.3359	Ave		0.3256				7.2		20.0			
Carbon tetrachloride	0.3611 0.4034	0.3341 0.3994	0.4111	0.4269	0.4157	Ave		0.3931			0.1000	8.5		20.0			
Isobutyl alcohol	0.4213 0.4317	0.3233 0.2978	0.3961	0.3806	0.3361	Ave		0.3696				13.9		20.0			
Benzene	1.0007 1.0156	0.8762 0.9844	1.0322	1.0603	1.0009	Ave		0.9958			0.5000	5.9		20.0			
1,2-Dichloroethane	0.3606 0.3894	0.3413 0.3539	0.3783	0.3844	0.3566	Ave		0.3663			0.1000	4.9		20.0			
t-Amyl methyl ether	0.8000 0.7871	0.7000 0.6464	0.8489	0.8305	0.7472	Ave		0.7657				9.5		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.: 410-164763-1 Analy Batch No.: 468517

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2024 11:33 Calibration End Date: 01/31/2024 13:47 Calibration ID: 58241

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	0.3479 0.3263	0.2850 0.3340	0.2874	0.3659	0.3360	Ave		0.3261				9.2		20.0			
n-Butanol	0.2574 0.3575	0.2302 0.2478	0.2920	0.2958	0.2726	Ave		0.2790				15.0		20.0			
Trichloroethene	0.2479 0.2731	0.2334 0.2618	0.2762	0.2835	0.2669	Ave		0.2633			0.2000	6.6		20.0			
Ethyl acrylate	0.4884 0.4847	0.4239 0.4588	0.4564	0.5104	0.4763	Ave		0.4713				5.9		20.0			
Methylcyclohexane	0.4705 0.5163	0.4013 0.5103	0.4666	0.5590	0.5395	Ave		0.4948			0.1000	10.7		20.0			
1,2-Dichloropropane	0.2582 0.2681	0.2203 0.2470	0.2660	0.2711	0.2545	Ave		0.2550			0.1000	6.8		20.0			
t-Amyl ethyl ether	0.4019 0.4226	0.3585 0.3590	0.4401	0.4369	0.4081	Ave		0.4039				8.4		20.0			
Methyl methacrylate	0.2722 0.3284	0.2521 0.2565	0.3043	0.3011	0.2759	Ave		0.2844				9.8		20.0			
1,4-Dioxane	0.0447 0.0880	0.0683 0.0640	0.0833	0.0805	0.0718	Ave		0.0715			0.0050	20.4	*	20.0			
Dibromomethane	0.1944 0.2167	0.1768 0.1830	0.2107	0.2105	0.1956	Ave		0.1982				7.6		20.0			
Bromodichloromethane	0.3128 0.3732	0.2869 0.3331	0.3582	0.3541	0.3379	Ave		0.3366			0.2000	8.7		20.0			
2-Nitropropane	1.8033 2.2924	1.7296 1.7072	1.8859	1.9087	1.7680	Ave		1.8707				10.7		20.0			
2-Chloroethyl vinyl ether	0.2210 0.2167	0.1763 0.1929	0.2345	0.2404	0.2394	Ave		0.2173				11.3		20.0			
cis-1,3-Dichloropropene	0.4178 0.4707	0.3773 0.4064	0.4623	0.4675	0.4366	Ave		0.4341			0.2000	8.2		20.0			
4-Methyl-2-pentanone (MIBK)	0.5366 0.5372	0.4161 0.4970	0.4940	0.5764	0.5333	Ave		0.5129			0.1000	9.9		20.0			
Toluene	0.7875 0.8299	0.6936 0.7814	0.8443	0.8385	0.8101	Ave		0.7979			0.4000	6.5		20.0			
trans-1,3-Dichloropropene	0.5372 0.5941	0.4615 0.5150	0.5639	0.5696	0.5360	Ave		0.5396			0.1000	8.0		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.: 410-164763-1 Analy Batch No.: 468517

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2024 11:33 Calibration End Date: 01/31/2024 13:47 Calibration ID: 58241

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	0.5241 0.6713	0.5102 0.5483	0.5981	0.6052	0.5747	Ave		0.5760				9.6		20.0			
1,1,2-Trichloroethane	0.3072 0.3719	0.2934 0.3160	0.3622	0.3512	0.3303	Ave		0.3332			0.1000	8.9		20.0			
Tetrachloroethene	0.3279 0.3701	0.3087 0.3594	0.3817	0.3846	0.3667	Ave		0.3570			0.2000	7.9		20.0			
1,3-Dichloropropane	0.5206 0.5807	0.4628 0.4930	0.5632	0.5503	0.5170	Ave		0.5268				7.8		20.0			
2-Hexanone	0.5314 0.5331	0.3903 0.5073	0.4791	0.5750	0.5340	Ave		0.5072			0.1000	11.7		20.0			
Dibromochloromethane	0.3379 0.4380	0.3252 0.3812	0.3993	0.3971	0.3818	Ave		0.3801				10.1		20.0			
1,2-Dibromoethane (EDB)	0.3823 0.4413	0.3621 0.3744	0.4285	0.4173	0.3933	Ave		0.3999			0.1000	7.4		20.0			
1-Chlorohexane	0.5131 0.4398	0.3907 0.4175	0.4363	0.4624	0.4361	Ave		0.4423				8.6		20.0			
Chlorobenzene	0.9771 1.0096	0.8406 0.9155	1.0463	1.0288	0.9728	Ave		0.9701			0.5000	7.4		20.0			
1,1,1,2-Tetrachloroethane	0.3141 0.4001	0.2867 0.3780	0.3812	0.3825	0.3710	Ave		0.3591				11.6		20.0			
Ethylbenzene	1.6063 1.6507	1.3670 1.4923	1.7101	1.7289	1.6325	Ave		1.5983			0.1000	8.0		20.0			
m&p-Xylene	0.6164 0.6667	0.5368 0.6117	0.6785	0.6874	0.6515	Ave		0.6356			0.1000	8.2		20.0			
n-Butyl acrylate	0.7211 0.8067	0.6680 0.7997	0.7069	0.8355	0.7985	Ave		0.7624				8.2		20.0			
o-Xylene	0.6239 0.7063	0.5424 0.6595	0.7084	0.7120	0.6857	Ave		0.6626			0.3000	9.3		20.0			
Styrene	1.0338 1.1677	0.9428 1.0503	1.1880	1.1788	1.1183	Ave		1.0971			0.3000	8.4		20.0			
Bromoform	0.3212 0.3794	0.2684 0.3298	0.3401	0.3349	0.3272	Ave		0.3287			0.1000	10.0		20.0			
Isopropylbenzene	1.4128 1.6387	1.2152 1.5099	1.6255	1.6841	1.6140	Ave		1.5286			0.1000	10.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1 Analy Batch No.: 468517

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2024 11:33 Calibration End Date: 01/31/2024 13:47 Calibration ID: 58241

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	0.0756 0.2964	0.1518 0.2773	0.3396	0.3592	0.3233	Ave		0.2605				40.7	*	20.0			
1,1,2,2-Tetrachloroethane	0.9756 1.1514	0.8369 0.9423	1.0747	1.0545	0.9981	Ave		1.0048			0.3000	10.1		20.0			
Bromobenzene	0.6992 0.7906	0.6488 0.7124	0.8011	0.7919	0.7512	Ave		0.7422				7.7		20.0			
trans-1,4-Dichloro-2-butene	0.3071 0.4061	0.2924 0.3379	0.3629	0.3674	0.3504	Ave		0.3463				11.1		20.0			
1,2,3-Trichloropropane	0.3051 0.3602	0.2759 0.3002	0.3376	0.3303	0.3187	Ave		0.3183				8.7		20.0			
N-Propylbenzene	2.9257 3.0979	2.4616 2.7679	3.1436	3.2894	3.1378	Ave		2.9748				9.5		20.0			
2-Chlorotoluene	0.6383 0.7113	0.5665 0.6718	0.7275	0.7146	0.6952	Ave		0.6750				8.4		20.0			
1,3,5-Trimethylbenzene	2.0925 2.3717	1.7775 2.1847	2.2990	2.4019	2.3439	Ave		2.2102				10.0		20.0			
4-Chlorotoluene	0.6745 0.7266	0.5882 0.6812	0.7609	0.7476	0.7108	Ave		0.6985				8.3		20.0			
tert-Butylbenzene	0.3558 0.4587	0.3313 0.4534	0.4096	0.4487	0.4379	Ave		0.4136				12.3		20.0			
1,2,4-Trimethylbenzene	2.2371 2.4694	1.8842 2.2263	2.4300	2.5030	2.4392	Ave		2.3128				9.5		20.0			
sec-Butylbenzene	2.5967 2.8772	2.1694 2.5974	2.7120	3.0253	2.9046	Ave		2.6975				10.5		20.0			
1,3-Dichlorobenzene	1.3897 1.4723	1.2075 1.3322	1.5224	1.5086	1.4456	Ave		1.4112			0.6000	7.9		20.0			
p-Isopropyltoluene	2.3547 2.5861	1.9689 2.3198	2.4609	2.6997	2.5939	Ave		2.4263				10.0		20.0			
1,4-Dichlorobenzene	1.5458 1.5149	1.2583 1.3546	1.5566	1.5733	1.4804	Ave		1.4691			0.5000	8.1		20.0			
1,2,3-Trimethylbenzene	2.3218 2.5978	2.0295 2.2888	2.5785	2.6212	2.5434	Ave		2.4258				9.1		20.0			
Benzyl chloride	2.0215 2.4727	1.8300 2.0642	2.2705	2.3351	2.2394	Ave		2.1762				10.0		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.: 410-164763-1 Analy Batch No.: 468517

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2024 11:33 Calibration End Date: 01/31/2024 13:47 Calibration ID: 58241

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	1.3404 1.5417	1.1863 1.4066	1.4879	1.6156	1.5508	Ave		1.4470				10.2		20.0			
1,4-Diethylbenzene	1.4694 1.6193	1.2572 1.4598	1.5791	1.7167	1.6305	Ave		1.5332				9.9		20.0			
n-Butylbenzene	1.1285 1.2720	0.9831 1.1703	1.2401	1.3442	1.2929	Ave		1.2044				10.1		20.0			
1,2-Dichlorobenzene	1.4053 1.4985	1.2046 1.3219	1.5406	1.5230	1.4659	Ave		1.4228			0.4000	8.6		20.0			
1,2-Diethylbenzene	1.0833 1.2752	0.9642 1.1595	1.2237	1.3210	1.2679	Ave		1.1850				10.6		20.0			
1,2-Dibromo-3-Chloropropane	0.3189 0.3401	0.2587 0.2611	0.3325	0.3314	0.3142	Ave		0.3081			0.0500	11.1		20.0			
1,3,5-Trichlorobenzene	1.0288 1.0151	0.8703 0.8112	1.0726	1.1028	1.0567	Ave		0.9939				11.0		20.0			
1,2,4-Trichlorobenzene	0.9954 0.9323	0.8642 0.6684	1.0560	1.0988	1.0220	Ave		0.9481			0.2000	15.4		20.0			
2-Ethylhexyl acrylate	0.6018 0.5641	0.4845 0.4064	0.5728	0.6990	0.7021	Ave		0.5758				18.6		20.0			
Hexachlorobutadiene	0.3407 0.3653	0.2970 0.2987	0.3698	0.4170	0.3863	Ave		0.3536				12.6		20.0			
Naphthalene	3.5785 3.3107	3.2056 +++++	4.0860	4.0291	3.6406	Ave		3.6417				9.9		20.0			
1,2,3-Trichlorobenzene	0.9878 0.7988	0.8136 +++++	1.0420	1.0396	0.9327	Ave		0.9357				11.6		20.0			
2-Methylnaphthalene	1.5658 1.1183	1.3720 +++++	1.8070	1.8097	1.5332	Ave		1.5343				17.3		20.0			
Dibromofluoromethane (Surr)	0.2638 0.2721	0.2651 0.2700	0.2634	0.2664	0.2649	Ave		0.2665				1.2		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0600 0.0610	0.0606 0.0592	0.0597	0.0596	0.0589	Ave		0.0599				1.2		20.0			
Toluene-d8 (Surr)	1.2280 1.2251	1.2331 1.2323	1.2292	1.2335	1.2387	Ave		1.2314				0.4		20.0			
4-Bromofluorobenzene (Surr)	0.5230 0.5195	0.5218 0.5163	0.5234	0.5180	0.5199	Ave		0.5203				0.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1 Analy Batch No.: 468517

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2024 11:33 Calibration End Date: 01/31/2024 13:47 Calibration ID: 58241

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-468517/3	4J31X02.D
Level 2	IC 410-468517/4	4J31X03.D
Level 3	IC 410-468517/5	4J31X04.D
Level 4	IC 410-468517/6	4J31X05.D
Level 5	ICIS 410-468517/7	4J31X06.D
Level 6	IC 410-468517/8	4J31X07.D
Level 7	IC 410-468517/9	4J31X08.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	10661 1167941	34315 3416401	98411	244121	599952	1.00 100	4.00 300	10.0	20.0	50.0
Chloromethane	FB	Ave	13237 1019353	39562 2879509	106515	224071	506067	1.00 100	4.00 300	10.0	20.0	50.0
Vinyl chloride	FB	Ave	11432 1035315	37086 2936657	101429	225584	524631	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Butadiene	FB	Ave	11661 988390	33943 2833261	87427	208489	498143	1.00 100	4.00 300	10.0	20.0	50.0
Bromomethane	FB	Ave	9342 761738	28899 2161961	76972	169787	382488	1.00 100	4.00 300	10.0	20.0	50.0
Chloroethane	FB	Ave	5993 554879	19630 1553721	53601	117869	268453	1.00 100	4.00 300	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	17531 1660868	59869 4685757	164347	364996	817067	1.00 100	4.00 300	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	11187 1369480	40137 3981104	115938	283459	697274	1.00 100	4.00 300	10.0	20.0	50.0
n-Pentane	FB	Ave	9835 1307821	41641 3963480	130272	274705	679480	1.00 100	4.00 300	10.0	20.0	50.0
Ethanol	TBAd10	Ave	+++++ 319842	24629 971544	70531	136543	168410	+++++ 2500	250 7500	500	1000	1250
Freon 123a	FB	Ave	8826 838448	28893 2409640	77125	176513	418671	1.00 100	4.00 300	10.0	20.0	50.0
Acrolein	TBAd10	Ave	30631 3038261	97180 8469527	268826	629509	1437059	10.00 1000	40.0 3000	100.0	200	500
Freon 113	FB	Ave	6233 753276	24692 2195343	71894	150889	379877	1.00 100	4.00 300	10.0	20.0	50.0
Acetone	TBAd10	Ave	2605	9143	27376	66101	150763	2.00	8.00	20.0	40.0	100

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1 Analy Batch No.: 468517

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2024 11:33 Calibration End Date: 01/31/2024 13:47 Calibration ID: 58241

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
			297655	879256				200	600			
1,1-Dichloroethene	FB	Ave	7284 707673	25208 2057114	70324	146507	356547	1.00 100	4.00 300	10.0	20.0	50.0
Methyl iodide	FB	Ave	13949 1419523	52093 4061935	142295	297884	708295	1.00 100	4.00 300	10.0	20.0	50.0
2-Propanol	TBAd10	Ave	5126 751159	19679 1582297	69168	126759	312118	5.00 500	20.0 1500	50.0	100	250
Carbon disulfide	FB	Ave	23536 2473009	87835 7167771	240382	505123	1263131	1.00 100	4.00 300	10.0	20.0	50.0
Methyl acetate	FB	Ave	8158 1028553	32297 2524901	88353	177996	451003	1.00 100	4.00 300	10.0	20.0	50.0
Allyl chloride	FB	Ave	13748 1070532	40703 3020299	103518	221227	519526	1.00 100	4.00 300	10.0	20.0	50.0
Methylene Chloride	FB	Ave	8201 792261	28873 2238023	79119	166480	388771	1.00 100	4.00 300	10.0	20.0	50.0
t-Butyl alcohol	TBAd10	Ave	12703 1410785	36408 2705675	122187	242331	533493	5.00 500	20.0 1500	50.0	100	250
Acrylonitrile	FB	Ave	12329 1429812	44839 3530322	126017	259051	606347	2.50 250	10.0 750	25.0	50.0	125
Methyl tert-butyl ether	FB	Ave	22023 2121314	78977 5490522	216274	437202	1006930	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	6864 745456	26169 2139176	71695	151645	364586	1.00 100	4.00 300	10.0	20.0	50.0
n-Hexane	FB	Ave	8803 918204	28123 2783984	78544	180959	460913	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloroethane	FB	Ave	11986 1246573	41754 3590000	120302	249025	594527	1.00 100	4.00 300	10.0	20.0	50.0
Isopropyl ether	FB	Ave	19708 1964272	71423 4981371	194895	401391	937346	1.00 100	4.00 300	10.0	20.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	9366 1028079	33196 3045749	95517	203649	493410	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl t-butyl ether	FB	Ave	20203 1981243	71266 5011325	199780	405544	940008	1.00 100	4.00 300	10.0	20.0	50.0
2-Butanone (MEK)	FB	Ave	16220 1441496	51082 4172787	126476	302548	679553	2.00 200	8.00 600	20.0	40.0	100
cis-1,2-Dichloroethene	FB	Ave	7784 828487	27333 2324805	77148	161646	384809	1.00 100	4.00 300	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	11910 1145460	41982 3239535	111942	235901	561009	1.00 100	4.00 300	10.0	20.0	50.0

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1 Analy Batch No.: 468517

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2024 11:33 Calibration End Date: 01/31/2024 13:47 Calibration ID: 58241

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	10125 1369748	39596 3179738	119341	237154	556054	5.00 500	20.0 1500	50.0	100	250
Methyl acrylate	FB	Ave	13055 1190273	40155 3296772	109851	235343	539792	1.000 100.0	4.00 300	10.00	20.0	50.0
Methacrylonitrile	FB	Ave	10949 1404926	42381 3347799	121672	242680	573158	2.50 250	10.0 750	25.0	50.0	125
Bromochloromethane	FB	Ave	4143 445136	15056 1230797	41111	85998	208143	1.00 100	4.00 300	10.0	20.0	50.0
Tetrahydrofuran	TBAd10	Ave	10005 1209477	35451 2897057	104319	212218	494213	5.00 500	20.0 1500	50.0	100	250
Chloroform	FB	Ave	19531 1310243	50581 3633436	126261	254410	607400	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	10646 1183209	39923 3348800	115693	241963	585860	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexane	FB	Ave	12090 1254703	41366 3687166	118535	260162	643691	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloropropene	FB	Ave	7568 879401	29294 2575313	80593	173809	420013	1.00 100	4.00 300	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	9195 1052280	33917 3059521	99763	210830	519866	1.00 100	4.00 300	10.0	20.0	50.0
Isobutyl alcohol	TBAd10	Ave	11869 1140025	31636 2347020	106126	197202	447347	12.5 1250	50.0 3750	125	250	625
Benzene	FB	Ave	25484 2649485	88962 7540118	250471	523610	1251514	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	9184 1015747	34650 2710625	91805	189808	445879	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl methyl ether	FB	Ave	20374 2053326	71073 4950901	205991	410134	934391	1.00 100	4.00 300	10.0	20.0	50.0
n-Heptane	FB	Ave	8859 851280	28941 2558198	69742	180717	420167	1.00 100	4.00 300	10.0	20.0	50.0
n-Butanol	TBAd10	Ave	7253 944019	22521 1952392	78249	153276	362799	12.5 1250	50.0 3750	125	250	625
Trichloroethene	FB	Ave	6313 712367	23695 2005076	67032	140026	333751	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl acrylate	FB	Ave	12432 1263939	43027 3513005	110696	251961	595377	1.000 100.0	4.00 300	10.00	20.0	50.0
Methylcyclohexane	FB	Ave	11982	40749	113213	276064	674556	1.00	4.00	10.0	20.0	50.0

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1 Analy Batch No.: 468517

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2024 11:33 Calibration End Date: 01/31/2024 13:47 Calibration ID: 58241

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
			1346996	3908585				100	300			
1,2-Dichloropropane	FB	Ave	6575 699532	22370 1891741	64554	133878	318222	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl ethyl ether	FB	Ave	10236 1102381	36400 2749481	106783	215740	510368	1.00 100	4.00 300	10.0	20.0	50.0
Methyl methacrylate	FB	Ave	6933 856843	25597 1964519	73836	148712	345012	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dioxane	TBAd10	Ave	1258 232303	6683 504388	22316	41702	95523	12.5 1250	50.0 3750	125	250	625
Dibromomethane	FB	Ave	4951 565271	17946 1401939	51135	103939	244561	1.00 100	4.00 300	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	7966 973716	29133 2551705	86918	174848	422518	1.00 100	4.00 300	10.0	20.0	50.0
2-Nitropropane	TBAd10	Ave	20323 2421374	67696 5381102	202125	395603	941347	5.00 500	20.0 1500	50.0	100	250
2-Chloroethyl vinyl ether	FB	Ave	5629 565319	17901 1477236	56896	118715	299328	1.00 100	4.00 300	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	10639 1228065	38306 3112597	112182	230853	545986	1.00 100	4.00 300	10.0	20.0	50.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	27330 2802668	84498 7614199	239742	569325	1333609	2.00 200	8.00 600	20.0	40.0	100
Toluene	CBZd5	Ave	16563 1761080	58074 4697962	170473	343998	826339	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZd5	Ave	11298 1260665	38639 3096239	113865	233681	546697	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl methacrylate	CBZd5	Ave	11022 1424548	42716 3296650	120762	248268	586256	1.00 100	4.00 300	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZd5	Ave	6461 789228	24563 1899718	73138	144076	336944	1.00 100	4.00 300	10.0	20.0	50.0
Tetrachloroethene	CBZd5	Ave	6896 785388	25846 2160801	77080	157780	374092	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichloropropane	CBZd5	Ave	10950 1232311	38754 2964098	113729	225748	527341	1.00 100	4.00 300	10.0	20.0	50.0
2-Hexanone	CBZd5	Ave	22354 2262354	65358 6100065	193492	471806	1089342	2.00 200	8.00 600	20.0	40.0	100
Dibromochloromethane	CBZd5	Ave	7107 929497	27228 2292167	80632	162898	389460	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromoethane (EDB)	CBZd5	Ave	8040 936538	30321 2251006	86531	171181	401214	1.00 100	4.00 300	10.0	20.0	50.0

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1 Analy Batch No.: 468517

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2024 11:33 Calibration End Date: 01/31/2024 13:47 Calibration ID: 58241

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	10791 933226	32715 2510192	88096	189710	444802	1.00 100	4.00 300	10.0	20.0	50.0
Chlorobenzene	CBZd5	Ave	20551 2142533	70379 5504506	211279	422066	992288	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZd5	Ave	6606 848948	24002 2272879	76967	156897	378429	1.00 100	4.00 300	10.0	20.0	50.0
Ethylbenzene	CBZd5	Ave	33783 3502885	114460 8972787	345301	709257	1665203	1.00 100	4.00 300	10.0	20.0	50.0
m&p-Xylene	CBZd5	Ave	25927 2829413	89886 7355706	273988	563991	1329139	2.00 200	8.00 600	20.0	40.0	100
n-Butyl acrylate	CBZd5	Ave	15164 1711551	55926 4807465	142722	342710	814404	1.000 100.0	4.00 300	10.00	20.0	50.0
o-Xylene	CBZd5	Ave	13121 1498717	45418 3965167	143049	292069	699436	1.00 100	4.00 300	10.0	20.0	50.0
Styrene	CBZd5	Ave	21742 2477957	78936 6314922	239879	483584	1140695	1.00 100	4.00 300	10.0	20.0	50.0
Bromoform	CBZd5	Ave	6755 805204	22472 1982845	68667	137395	333753	1.00 100	4.00 300	10.0	20.0	50.0
Isopropylbenzene	CBZd5	Ave	29715 3477489	101744 9078271	328226	690861	1646309	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexanone	TBAd10	Ave	8520 782697	59419 2184885	181991	372257	430340	50.0 1250	200 3750	250	500	625
1,1,2,2-Tetrachloroethane	DCBd4	Ave	12878 1543852	44155 3577855	138609	275653	637829	1.00 100	4.00 300	10.0	20.0	50.0
Bromobenzene	DCBd4	Ave	9230 1060114	34229 2704979	103319	206991	480078	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd4	Ave	10134 1361190	38560 3207133	117008	240096	559764	2.50 250	10.0 750	25.0	50.0	125
1,2,3-Trichloropropane	DCBd4	Ave	4028 482975	14554 1139845	43541	86349	203654	1.00 100	4.00 300	10.0	20.0	50.0
N-Propylbenzene	DCBd4	Ave	38620 4153824	129868 10509022	405453	859844	2005273	1.00 100	4.00 300	10.0	20.0	50.0
2-Chlorotoluene	DCBd4	Ave	8426 953712	29885 2550867	93830	186794	444297	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCBd4	Ave	27622 3180087	93779 8295020	296522	627846	1497901	1.00 100	4.00 300	10.0	20.0	50.0
4-Chlorotoluene	DCBd4	Ave	8904 974235	31030 2586337	98142	195426	454269	1.00 100	4.00 300	10.0	20.0	50.0
tert-Butylbenzene	DCBd4	Ave	4697	17478	52832	117289	279844	1.00	4.00	10.0	20.0	50.0

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1 Analy Batch No.: 468517

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2024 11:33 Calibration End Date: 01/31/2024 13:47 Calibration ID: 58241

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
			615034	1721611				100	300			
1,2,4-Trimethylbenzene	DCBd4	Ave	29531 3311127	99406 8452865	313421	654273	1558794	1.00 100	4.00 300	10.0	20.0	50.0
sec-Butylbenzene	DCBd4	Ave	34277 3857861	114456 9861722	349785	790802	1856232	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichlorobenzene	DCBd4	Ave	18345 1974150	63705 5058240	196357	394343	923795	1.00 100	4.00 300	10.0	20.0	50.0
p-Isopropyltoluene	DCBd4	Ave	31083 3467528	103876 8807911	317401	705686	1657654	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dichlorobenzene	DCBd4	Ave	20405 2031286	66383 5143188	200767	411266	946062	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trimethylbenzene	DCBd4	Ave	30648 3483278	107073 8689989	332567	685168	1625419	1.00 100	4.00 300	10.0	20.0	50.0
Benzyl chloride	DCBd4	Ave	26684 3315558	96546 7837227	292849	610380	1431142	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Diethylbenzene	DCBd4	Ave	17694 2067245	62587 5340618	191906	422306	991041	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Diethylbenzene	DCBd4	Ave	19397 2171275	66329 5542609	203670	448746	1041975	1.00 100	4.00 300	10.0	20.0	50.0
n-Butylbenzene	DCBd4	Ave	14896 1705574	51866 4443527	159950	351382	826217	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichlorobenzene	DCBd4	Ave	18550 2009276	63552 5019027	198707	398119	936781	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Diethylbenzene	DCBd4	Ave	14300 1709912	50871 4402223	157832	345313	810266	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	4209 456070	13646 991473	42884	86624	200762	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trichlorobenzene	DCBd4	Ave	13581 1361143	45913 3080128	138342	288275	675273	1.00 100	4.00 300	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCBd4	Ave	13139 1250086	45594 2537822	136194	287236	653095	1.00 100	4.00 300	10.0	20.0	50.0
2-Ethylhexyl acrylate	DCBd4	Ave	7945 756474	25562 1543169	73890	182747	448731	1.00 100	4.00 300	10.0	20.0	50.0
Hexachlorobutadiene	DCBd4	Ave	4498 489788	15670 1134018	47699	109000	246901	1.00 100	4.00 300	10.0	20.0	50.0
Naphthalene	DCBd4	Ave	47237 4439146	169120 +++++	526998	1053203	2326571	1.00 100	4.00 +++++	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCBd4	Ave	13039 1071126	42923 +++++	134395	271757	596030	1.00 100	4.00 +++++	10.0	20.0	50.0
2-Methylnaphthalene	DCBd4	Ave	20669	72382	233057	473041	979832	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.: 410-164763-1 Analy Batch No.: 468517

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2024 11:33 Calibration End Date: 01/31/2024 13:47 Calibration ID: 58241

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
			1499528	+++++				100	+++++			
Dibromofluoromethane (Surr)	FB	Ave	335947 354873	336413 344727	319565	328933	331253	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	76363 79571	76923 75584	72481	73534	73661	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZd5	Ave	1291343 1299870	1290564 1234845	1240986	1265031	1263492	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	549968 551258	546174 517427	528451	531264	530359	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.: 410-164763-1 Analy Batch No.: 468517

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2024 11:33 Calibration End Date: 01/31/2024 13:47 Calibration ID: 58241

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-468517/3	4J31X02.D
Level 2	IC 410-468517/4	4J31X03.D
Level 3	IC 410-468517/5	4J31X04.D
Level 4	IC 410-468517/6	4J31X05.D
Level 5	ICIS 410-468517/7	4J31X06.D
Level 6	IC 410-468517/8	4J31X07.D
Level 7	IC 410-468517/9	4J31X08.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	-3.3 3.0	-21.9	-6.3	14.2	10.8	3.4	50 30	30	30	30	30	30
Chloromethane	22.4 -11.5	-8.3	3.3	6.8	-4.7	-8.0	50 30	30	30	30	30	30
Vinyl chloride	8.8 -7.1	-11.5	1.3	10.7	1.7	-3.8	50 30	30	30	30	30	30
1,3-Butadiene	17.8 -4.9	-14.0	-7.3	8.6	2.5	-2.6	50 30	30	30	30	30	30
Bromomethane	17.1 -9.9	-9.1	1.3	9.8	-2.3	-6.8	50 30	30	30	30	30	30
Chloroethane	8.5 -6.5	-10.9	1.8	10.0	-1.0	-1.9	50 30	30	30	30	30	30
Dichlorofluoromethane	4.8 -6.8	-10.2	3.1	12.6	-0.5	-3.0	50 30	30	30	30	30	30
Trichlorofluoromethane	-11.9 4.3	-20.7	-4.1	15.2	11.9	5.3	50 30	30	30	30	30	30
n-Pentane	-21.7 4.9	-16.8	8.9	12.8	10.2	1.7	50 30	30	30	30	30	30
Ethanol	+++++ 0.6	-17.8	7.4	7.6	3.3	-1.1	30	50	30	30	30	30
Freon 123a	6.5 -3.3	-12.5	-2.3	9.9	2.9	-1.2	50 30	30	30	30	30	30
Acrolein	0.1 -1.0	-8.6	-7.6	11.8	-0.6	5.9	50 30	30	30	30	30	30
Freon 113	-13.0 1.9	-13.5	5.3	8.6	8.0	2.7	50 30	30	30	30	30	30
Acetone	-14.1 3.7	-13.2	-5.0	18.6	5.3	4.8	50 30	30	30	30	30	30
1,1-Dichloroethene	2.9 -3.4	-10.7	4.3	6.7	2.6	-2.4	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.: 410-164763-1 Analy Batch No.: 468517

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2024 11:33 Calibration End Date: 01/31/2024 13:47 Calibration ID: 58241

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	-1.5 -4.6	-7.7	5.5	8.5	1.9	-2.1	50 30	30	30	30	30	30
2-Propanol	-20.7 -12.5	-12.3	12.5	6.7	2.2	24.0	50 30	30	30	30	30	30
Carbon disulfide	-3.4 -2.2	-9.6	3.5	6.9	5.6	-0.9	50 30	30	30	30	30	30
Methyl acetate	-8.4 -5.7	-9.0	4.1	3.1	3.2	12.8	50 30	30	30	30	30	30
Allyl chloride	24.5 -9.1	-7.6	-1.6	3.3	-4.2	-5.4	50 30	30	30	30	30	30
Methylene Chloride	3.6 -6.0	-8.5	4.9	8.4	0.0	-2.3	50 30	30	30	30	30	30
t-Butyl alcohol	4.3 -20.5	-13.9	5.5	8.2	-7.3	23.6	50 30	30	30	30	30	30
Acrylonitrile	-2.2 -6.8	-10.7	5.0	6.0	-2.0	10.8	50 30	30	30	30	30	30
Methyl tert-butyl ether	5.2 -12.8	-5.4	8.4	7.7	-2.0	-1.1	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	-5.0 -1.6	-9.2	4.1	8.2	2.7	0.7	50 30	30	30	30	30	30
n-Hexane	1.0 6.2	-19.1	-5.5	7.0	7.7	2.8	50 30	30	30	30	30	30
1,1-Dichloroethane	-0.3 -0.7	-12.9	5.0	6.8	0.7	1.2	50 30	30	30	30	30	30
Isopropyl ether	3.3 -13.2	-6.1	7.2	8.5	0.0	0.5	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-4.2 3.6	-14.8	2.5	7.4	2.8	2.7	50 30	30	30	30	30	30
Ethyl t-butyl ether	4.7 -13.7	-7.4	8.6	8.4	-0.8	0.2	50 30	30	30	30	30	30
2-Butanone (MEK)	13.9 -2.6	-10.0	-6.8	9.6	-2.8	-1.2	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	-0.4 -1.1	-12.3	3.6	6.6	0.2	3.4	50 30	30	30	30	30	30
2,2-Dichloropropane	4.6 -5.4	-7.6	3.1	6.8	0.3	-1.8	50 30	30	30	30	30	30
Propionitrile	-16.3 -6.1	-5.8	3.7	6.5	-2.8	20.7	50 30	30	30	30	30	30
Methyl acrylate	13.7 -4.5	-12.3	0.4	5.7	-4.2	1.2	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.: 410-164763-1 Analy Batch No.: 468517

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2024 11:33 Calibration End Date: 01/31/2024 13:47 Calibration ID: 58241

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	-8.1 -6.6	-10.8	7.2	5.1	-2.0	15.1	50 30	30	30	30	30	30
Bromochloromethane	-1.2 -2.4	-9.9	2.9	5.8	1.1	3.7	50 30	30	30	30	30	30
Tetrahydrofuran	-8.4 -5.1	-6.5	0.4	5.7	-4.2	18.2	50 30	30	30	30	30	30
Chloroform	42.7 -11.8	-7.3	-3.2	-4.2	-9.6	-6.6	50 30	30	30	30	30	30
1,1,1-Trichloroethane	-6.7 -2.4	-12.3	6.4	9.3	4.5	1.2	50 30	30	30	30	30	30
Cyclohexane	-1.5 -0.1	-15.5	1.3	9.3	6.8	-0.2	50 30	30	30	30	30	30
1,1-Dichloropropene	-8.7 3.3	-11.4	2.0	8.1	3.2	3.5	50 30	30	30	30	30	30
Carbon tetrachloride	-8.1 1.6	-15.0	4.6	8.6	5.8	2.6	50 30	30	30	30	30	30
Isobutyl alcohol	14.0 -19.4	-12.5	7.2	3.0	-9.1	16.8	50 30	30	30	30	30	30
Benzene	0.5 -1.1	-12.0	3.7	6.5	0.5	2.0	50 30	30	30	30	30	30
1,2-Dichloroethane	-1.6 -3.4	-6.8	3.3	4.9	-2.7	6.3	50 30	30	30	30	30	30
t-Amyl methyl ether	4.5 -15.6	-8.6	10.9	8.5	-2.4	2.8	50 30	30	30	30	30	30
n-Heptane	6.7 2.4	-12.6	-11.9	12.2	3.0	0.1	50 30	30	30	30	30	30
n-Butanol	-7.7 -11.2	-17.5	4.7	6.0	-2.3	28.1	50 30	30	30	30	30	30
Trichloroethene	-5.8 -0.6	-11.4	4.9	7.7	1.4	3.7	50 30	30	30	30	30	30
Ethyl acrylate	3.6 -2.6	-10.0	-3.2	8.3	1.1	2.8	50 30	30	30	30	30	30
Methylcyclohexane	-4.9 3.1	-18.9	-5.7	13.0	9.0	4.4	50 30	30	30	30	30	30
1,2-Dichloropropane	1.2 -3.2	-13.6	4.3	6.3	-0.2	5.1	50 30	30	30	30	30	30
t-Amyl ethyl ether	-0.5 -11.1	-11.2	9.0	8.2	1.1	4.6	50 30	30	30	30	30	30
Methyl methacrylate	-4.3 -9.8	-11.3	7.0	5.9	-3.0	15.5	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.: 410-164763-1 Analy Batch No.: 468517

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2024 11:33 Calibration End Date: 01/31/2024 13:47 Calibration ID: 58241

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	-37.5 -10.5	-4.5	16.5	12.6	0.4	23.0	50 30	30	30	30	30	30
Dibromomethane	-1.9 -7.7	-10.8	6.3	6.2	-1.3	9.3	50 30	30	30	30	30	30
Bromodichloromethane	-7.1 -1.0	-14.8	6.4	5.2	0.4	10.9	50 30	30	30	30	30	30
2-Nitropropane	-3.6 -8.7	-7.5	0.8	2.0	-5.5	22.5	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	1.7 -11.2	-18.9	7.9	10.6	10.2	-0.3	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-3.8 -6.4	-13.1	6.5	7.7	0.6	8.4	50 30	30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	4.6 -3.1	-18.9	-3.7	12.4	4.0	4.7	50 30	30	30	30	30	30
Toluene	-1.3 -2.1	-13.1	5.8	5.1	1.5	4.0	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-0.4 -4.6	-14.5	4.5	5.6	-0.7	10.1	50 30	30	30	30	30	30
Ethyl methacrylate	-9.0 -4.8	-11.4	3.8	5.1	-0.2	16.6	50 30	30	30	30	30	30
1,1,2-Trichloroethane	-7.8 -5.2	-11.9	8.7	5.4	-0.9	11.6	50 30	30	30	30	30	30
Tetrachloroethene	-8.2 0.7	-13.5	6.9	7.7	2.7	3.7	50 30	30	30	30	30	30
1,3-Dichloropropane	-1.2 -6.4	-12.1	6.9	4.5	-1.9	10.2	50 30	30	30	30	30	30
2-Hexanone	4.8 0.0	-23.0	-5.5	13.4	5.3	5.1	50 30	30	30	30	30	30
Dibromochloromethane	-11.1 0.3	-14.4	5.1	4.5	0.5	15.2	50 30	30	30	30	30	30
1,2-Dibromoethane (EDB)	-4.4 -6.4	-9.4	7.2	4.3	-1.6	10.4	50 30	30	30	30	30	30
1-Chlorohexane	16.0 -5.6	-11.7	-1.4	4.6	-1.4	-0.6	50 30	30	30	30	30	30
Chlorobenzene	0.7 -5.6	-13.4	7.9	6.1	0.3	4.1	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-12.5 5.3	-20.2	6.2	6.5	3.3	11.4	50 30	30	30	30	30	30
Ethylbenzene	0.5 -6.6	-14.5	7.0	8.2	2.1	3.3	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.: 410-164763-1 Analy Batch No.: 468517

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2024 11:33 Calibration End Date: 01/31/2024 13:47 Calibration ID: 58241

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	-3.0 -3.8	-15.5	6.8	8.2	2.5	4.9	50 30	30	30	30	30	30
n-Butyl acrylate	-5.4 4.9	-12.4	-7.3	9.6	4.7	5.8	50 30	30	30	30	30	30
o-Xylene	-5.8 -0.5	-18.1	6.9	7.5	3.5	6.6	50 30	30	30	30	30	30
Styrene	-5.8 -4.3	-14.1	8.3	7.4	1.9	6.4	50 30	30	30	30	30	30
Bromoform	-2.3 0.3	-18.4	3.5	1.9	-0.5	15.4	50 30	30	30	30	30	30
Isopropylbenzene	-7.6 -1.2	-20.5	6.3	10.2	5.6	7.2	50 30	30	30	30	30	30
Cyclohexanone	-71.0 * 6.5	-41.7 *	30.4 *	37.9 *	24.1	13.8	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-2.9 -6.2	-16.7	7.0	5.0	-0.7	14.6	50 30	30	30	30	30	30
Bromobenzene	-5.8 -4.0	-12.6	7.9	6.7	1.2	6.5	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-11.3 -2.4	-15.6	4.8	6.1	1.2	17.3	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-4.1 -5.7	-13.3	6.1	3.8	0.1	13.2	50 30	30	30	30	30	30
N-Propylbenzene	-1.7 -7.0	-17.3	5.7	10.6	5.5	4.1	50 30	30	30	30	30	30
2-Chlorotoluene	-5.4 -0.5	-16.1	7.8	5.9	3.0	5.4	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-5.3 -1.2	-19.6	4.0	8.7	6.1	7.3	50 30	30	30	30	30	30
4-Chlorotoluene	-3.4 -2.5	-15.8	8.9	7.0	1.8	4.0	50 30	30	30	30	30	30
tert-Butylbenzene	-14.0 9.6	-19.9	-1.0	8.5	5.9	10.9	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-3.3 -3.7	-18.5	5.1	8.2	5.5	6.8	50 30	30	30	30	30	30
sec-Butylbenzene	-3.7 -3.7	-19.6	0.5	12.2	7.7	6.7	50 30	30	30	30	30	30
1,3-Dichlorobenzene	-1.5 -5.6	-14.4	7.9	6.9	2.4	4.3	50 30	30	30	30	30	30
p-Isopropyltoluene	-2.9 -4.4	-18.9	1.4	11.3	6.9	6.6	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.: 410-164763-1 Analy Batch No.: 468517

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/31/2024 11:33 Calibration End Date: 01/31/2024 13:47 Calibration ID: 58241

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	5.2 -7.8	-14.4	6.0	7.1	0.8	3.1	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-4.3 -5.7	-16.3	6.3	8.1	4.8	7.1	50 30	30	30	30	30	30
Benzyl chloride	-7.1 -5.1	-15.9	4.3	7.3	2.9	13.6	50 30	30	30	30	30	30
1,3-Diethylbenzene	-7.4 -2.8	-18.0	2.8	11.6	7.2	6.5	50 30	30	30	30	30	30
1,4-Diethylbenzene	-4.2 -4.8	-18.0	3.0	12.0	6.3	5.6	50 30	30	30	30	30	30
n-Butylbenzene	-6.3 -2.8	-18.4	3.0	11.6	7.3	5.6	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-1.2 -7.1	-15.3	8.3	7.0	3.0	5.3	50 30	30	30	30	30	30
1,2-Diethylbenzene	-8.6 -2.2	-18.6	3.3	11.5	7.0	7.6	50 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	3.5 -15.2	-16.1	7.9	7.6	2.0	10.4	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	3.5 -18.4	-12.4	7.9	11.0	6.3	2.1	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	5.0 -29.5	-8.9	11.4	15.9	7.8	-1.7	50 30	30	30	30	30	30
2-Ethylhexyl acrylate	4.5 -29.4	-15.9	-0.5	21.4	21.9	-2.0	50 30	30	30	30	30	30
Hexachlorobutadiene	-3.6 -15.5	-16.0	4.6	17.9	9.3	3.3	50 30	30	30	30	30	30
Naphthalene	-1.7 +++++	-12.0	12.2	10.6	0.0	-9.1	50	30	30	30	30	30
1,2,3-Trichlorobenzene	5.6 +++++	-13.1	11.4	11.1	-0.3	-14.6	50	30	30	30	30	30
2-Methylnaphthalene	2.1 +++++	-10.6	17.8	17.9	-0.1	-27.1	50	30	30	30	30	30
Dibromofluoromethane (Surr)	-1.0 1.3	-0.5	-1.2	0.0	-0.6	2.1	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	0.2 -1.1	1.3	-0.2	-0.5	-1.6	1.9	50 30	30	30	30	30	30
Toluene-d8 (Surr)	-0.3 0.1	0.1	-0.2	0.2	0.6	-0.5	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	0.5 -0.8	0.3	0.6	-0.4	-0.1	-0.1	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X02.D
Lims ID: IC v1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 31-Jan-2024 11:33:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0105215-003
Misc. Info.: ic v1
Operator ID: knk41612 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub95

Method: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 01-Feb-2024 16:10:48 Calib Date: 31-Jan-2024 13:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1617

First Level Reviewer: DVW2 Date: 31-Jan-2024 14:23:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.812	1.812	0.000	97	10661	1.00	0.9671	
4 Chloromethane	50	1.989	1.995	-0.006	97	13237	1.00	1.22	
5 Vinyl chloride	62	2.098	2.098	0.000	95	11432	1.00	1.09	
6 Butadiene	39	2.117	2.123	-0.006	94	11661	1.00	1.18	M
8 Bromomethane	94	2.415	2.421	-0.006	93	9342	1.00	1.17	M
9 Chloroethane	64	2.476	2.482	-0.006	94	5993	1.00	1.08	
10 Dichlorofluoromethane	67	2.725	2.725	0.000	97	17531	1.00	1.05	
11 Trichlorofluoromethane	101	2.804	2.792	0.012	75	11187	1.00	0.8814	
12 Pentane	43	2.847	2.853	-0.006	91	9835	1.00	0.7832	
13 Ethanol	45	2.877	2.938	-0.061	1	2481	62.5	18.0	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.078	3.078	0.000	22	8826	1.00	1.07	
16 Acrolein	56	3.145	3.145	0.000	98	30631	10.0	10.0	
18 Acetone	58	3.309	3.309	0.000	52	2605	2.00	1.72	M
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.315	3.315	0.000	72	6233	1.00	0.8702	
17 1,1-Dichloroethene	96	3.327	3.327	0.000	96	7284	1.00	1.03	
21 Iodomethane	142	3.473	3.485	-0.012	97	13949	1.00	0.9853	
20 Isopropyl alcohol	45	3.485	3.516	-0.031	31	5126	5.00	3.97	M
22 Carbon disulfide	76	3.625	3.625	0.000	97	23536	1.00	0.9661	M
24 Methyl acetate	43	3.692	3.686	0.006	73	8158	1.00	0.9162	
26 3-Chloro-1-propene	41	3.729	3.729	0.000	73	13748	1.00	1.24	M
27 Methylene Chloride	84	3.899	3.911	-0.012	68	8201	1.00	1.04	
* 28 t-Butyl alcohol-d10 (IS)	65	3.936	3.917	0.019	71	563482	250.0	250.0	
29 2-Methyl-2-propanol	59	4.027	4.045	-0.018	43	12703	5.00	5.22	M
30 Acrylonitrile	53	4.228	4.191	0.037	93	12329	2.50	2.45	M
31 Methyl tert-butyl ether	73	4.252	4.252	0.000	89	22023	1.00	1.05	
32 trans-1,2-Dichloroethene	96	4.276	4.288	-0.012	97	6864	1.00	0.9498	
34 Hexane	57	4.696	4.708	-0.012	90	8803	1.00	1.01	
35 1,1-Dichloroethane	63	4.939	4.945	-0.006	44	11986	1.00	1.00	
37 Isopropyl ether	45	4.994	5.000	-0.006	90	19708	1.00	1.03	
38 2-Chloro-1,3-butadiene	53	5.043	5.055	-0.012	92	9366	1.00	0.9581	

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	5.536	5.542	-0.006	97	20203	1.00	1.05	
40 2-Butanone (MEK)	43	5.773	5.755	0.018	98	16220	2.00	2.28	
41 cis-1,2-Dichloroethene	96	5.785	5.791	-0.006	84	7784	1.00	1.00	
42 2,2-Dichloropropane	77	5.809	5.803	0.006	62	11910	1.00	1.05	
44 Propionitrile	54	5.840	5.840	0.000	92	10125	5.00	4.18	
45 Methyl acrylate	55	5.895	5.888	0.007	97	13055	1.00	1.14	
47 Methacrylonitrile	67	6.065	6.059	0.006	83	10949	2.50	2.30	
48 Chlorobromomethane	128	6.120	6.120	0.000	53	4143	1.00	0.9883	
49 Tetrahydrofuran	71	6.138	6.126	0.012	88	10005	5.00	4.58	
S 46 1,2-Dichloroethene, Total	100				0			1.95	
50 Chloroform	83	6.272	6.278	-0.006	93	19531	1.00	1.43	
$ 51 Dibromofluoromethane (Surr)	113	6.491	6.491	0.000	94	335947	50.0	49.5	
52 1,1,1-Trichloroethane	97	6.509	6.515	-0.006	36	10646	1.00	0.9328	
53 Cyclohexane	56	6.600	6.606	-0.006	90	12090	1.00	0.9848	
54 Carbon tetrachloride	117	6.728	6.722	0.006	91	9195	1.00	0.9185	
55 1,1-Dichloropropene	75	6.722	6.722	0.000	90	7568	1.00	0.9128	
56 Isobutyl alcohol	41	6.910	6.898	0.012	30	11869	12.5	14.2	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.953	6.953	0.000	80	76363	50.0	50.1	
58 Benzene	78	6.983	6.983	0.000	92	25484	1.00	1.00	
59 1,2-Dichloroethane	62	7.063	7.056	0.007	91	9184	1.00	0.9844	
61 Tert-amyl methyl ether	73	7.190	7.184	0.006	98	20374	1.00	1.04	
* 62 Fluorobenzene (IS)	96	7.397	7.397	0.000	99	1273315	50.0	50.0	
63 n-Heptane	43	7.421	7.421	0.000	72	8859	1.00	1.07	
64 n-Butanol	56	7.811	7.793	0.018	71	7253	12.5	11.5	
66 Trichloroethene	95	7.884	7.884	0.000	94	6313	1.00	0.9416	
67 Ethyl acrylate	55	8.012	8.012	0.000	97	12432	1.00	1.04	
68 Methylcyclohexane	83	8.194	8.194	0.000	74	11982	1.00	0.9509	
69 1,2-Dichloropropane	63	8.218	8.218	0.000	53	6575	1.00	1.01	
70 2-ethoxy-2-methyl butane	87	8.243	8.243	0.000	95	10236	1.00	1.00	
72 Methyl methacrylate	69	8.316	8.316	0.000	93	6933	1.00	0.9573	
73 1,4-Dioxane	88	8.334	8.322	0.012	42	1258	12.5	7.81	
74 Dibromomethane	93	8.322	8.328	-0.006	78	4951	1.00	0.9807	
75 Dichlorobromomethane	83	8.577	8.571	0.006	95	7966	1.00	0.9293	
76 2-Nitropropane	41	8.851	8.845	0.006	98	20323	5.00	4.82	
77 2-Chloroethyl vinyl ether	63	8.955	8.948	0.007	90	5629	1.00	1.02	
78 cis-1,3-Dichloropropene	75	9.137	9.137	0.000	94	10639	1.00	0.9624	
79 4-Methyl-2-pentanone (MIBK)	43	9.326	9.326	0.000	96	27330	2.00	2.09	
$ 80 Toluene-d8 (Surr)	98	9.466	9.466	0.000	93	1291343	50.0	49.9	
81 Toluene	92	9.539	9.545	-0.006	96	16563	1.00	0.9870	
82 trans-1,3-Dichloropropene	75	9.825	9.818	0.006	93	11298	1.00	1.00	
100 Ethyl methacrylate	69	9.891	9.885	0.006	88	11022	1.00	0.9099	
118 1,1,2-Trichloroethane	97	10.031	10.031	0.000	89	6461	1.00	0.9221	
S 114 1,3-Dichloropropene, Total	100				0			1.96	
119 Tetrachloroethene	166	10.117	10.116	0.001	94	6896	1.00	0.9184	
120 1,3-Dichloropropane	76	10.196	10.196	0.000	91	10950	1.00	0.9883	
123 2-Hexanone	43	10.256	10.256	0.000	96	22354	2.00	2.10	
125 Chlorodibromomethane	129	10.409	10.415	-0.006	91	7107	1.00	0.8891	
127 Ethylene Dibromide	107	10.524	10.524	0.000	95	8040	1.00	0.9559	
* 128 Chlorobenzene-d5 (IS)	117	10.968	10.974	-0.006	86	1051601	50.0	50.0	
129 1-Chlorohexane	91	10.980	10.986	-0.006	91	10791	1.00	1.16	
130 Chlorobenzene	112	10.999	10.999	0.000	96	20551	1.00	1.01	
131 1,1,1,2-Tetrachloroethane	131	11.084	11.084	0.000	92	6606	1.00	0.8748	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
132 Ethylbenzene	91	11.090	11.090	0.000	98	33783	1.00	1.01	
134 m-Xylene & p-Xylene	106	11.205	11.205	0.000	100	25927	2.00	1.94	
S 133 Xylenes, Total	106				0			2.88	
135 n-Butyl acrylate	55	11.504	11.497	0.007	97	15164	1.00	0.9458	
136 o-Xylene	106	11.540	11.540	0.000	97	13121	1.00	0.9415	
137 Styrene	104	11.558	11.558	0.000	93	21742	1.00	0.9423	
138 Bromoform	173	11.710	11.710	0.000	96	6755	1.00	0.9771	
139 Isopropylbenzene	105	11.850	11.850	0.000	95	29715	1.00	0.9243	
141 Cyclohexanone	55	11.917	11.917	0.000	91	8520	50.0	14.5	
$ 142 4-Bromofluorobenzene (Surr)	95	11.990	11.990	0.000	92	549968	50.0	50.3	
143 1,1,2,2-Tetrachloroethane	83	12.100	12.100	0.000	95	12878	1.00	0.9709	
144 Bromobenzene	156	12.106	12.106	0.000	91	9230	1.00	0.9421	
145 trans-1,4-Dichloro-2-butene	53	12.124	12.124	0.000	89	10134	2.50	2.22	
146 1,2,3-Trichloropropane	110	12.142	12.142	0.000	77	4028	1.00	0.9587	
147 N-Propylbenzene	91	12.179	12.185	-0.006	99	38620	1.00	0.9835	
148 2-Chlorotoluene	126	12.258	12.258	0.000	97	8426	1.00	0.9456	
149 1,3,5-Trimethylbenzene	105	12.319	12.319	0.000	93	27622	1.00	0.9468	
150 4-Chlorotoluene	126	12.349	12.349	0.000	96	8904	1.00	0.9656	
153 tert-Butylbenzene	134	12.562	12.562	0.000	92	4697	1.00	0.8602	
155 1,2,4-Trimethylbenzene	105	12.605	12.611	-0.006	97	29531	1.00	0.9673	
156 sec-Butylbenzene	105	12.726	12.726	0.000	94	34277	1.00	0.9626	
158 1,3-Dichlorobenzene	146	12.824	12.824	0.000	97	18345	1.00	0.9848	
159 4-Isopropyltoluene	119	12.836	12.836	0.000	97	31083	1.00	0.9705	
* 160 1,4-Dichlorobenzene-d4	152	12.885	12.885	0.000	94	660016	50.0	50.0	
161 1,4-Dichlorobenzene	146	12.903	12.903	0.000	95	20405	1.00	1.05	
162 1,2,3-Trimethylbenzene	105	12.909	12.915	-0.006	95	30648	1.00	0.9571	
163 Benzyl chloride	91	12.976	12.976	0.000	98	26684	1.00	0.9289	
164 1,3-Diethylbenzene	119	13.043	13.043	0.000	94	17694	1.00	0.9263	
165 p-Diethylbenzene	119	13.110	13.116	-0.006	95	19397	1.00	0.9584	
166 n-Butylbenzene	92	13.134	13.134	0.000	97	14896	1.00	0.9369	
167 1,2-Dichlorobenzene	146	13.164	13.158	0.006	99	18550	1.00	0.9877	
168 o-diethylbenzene	119	13.189	13.183	0.006	93	14300	1.00	0.9142	
170 1,2-Dibromo-3-Chloropropane	75	13.706	13.706	0.000	85	4209	1.00	1.03	
171 1,3,5-Trichlorobenzene	180	13.834	13.834	0.000	96	13581	1.00	1.04	
172 1,2,4-Trichlorobenzene	180	14.259	14.259	0.000	94	13139	1.00	1.05	
173 2-Ethylhexyl acrylate	55	14.320	14.320	0.000	80	7945	1.00	1.05	
174 Hexachlorobutadiene	225	14.345	14.345	0.000	95	4498	1.00	0.9638	
175 Naphthalene	128	14.436	14.436	0.000	97	47237	1.00	0.9826	
176 1,2,3-Trichlorobenzene	180	14.582	14.582	0.000	95	13039	1.00	1.06	
177 2-Methylnaphthalene	142	15.184	15.184	0.000	93	20669	1.00	1.02	
S 186 Total Diethylbenzene	1				0			2.80	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_4ppbEtoh_00607	Amount Added: 12.50	Units: mL	
MSV_HP04_ISSS_00001	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 01-Feb-2024 16:10:49 Chrom Revision: 2.3 24-Jan-2024 12:19:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X02.D

Injection Date: 31-Jan-2024 11:33:30 Instrument ID: 23297 Operator ID: knk41612

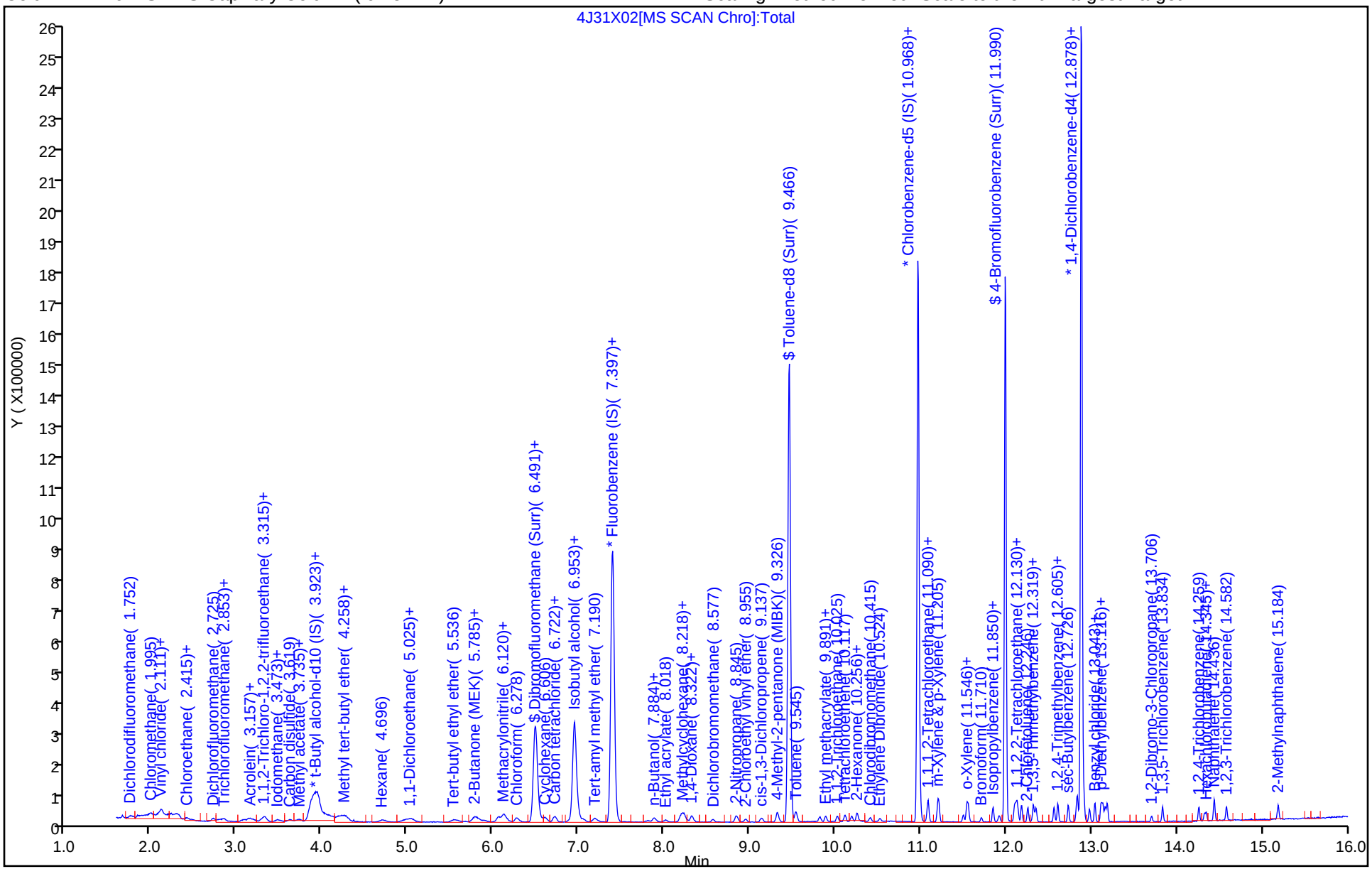
Lims ID: IC v1 Worklist Smp#: 3

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

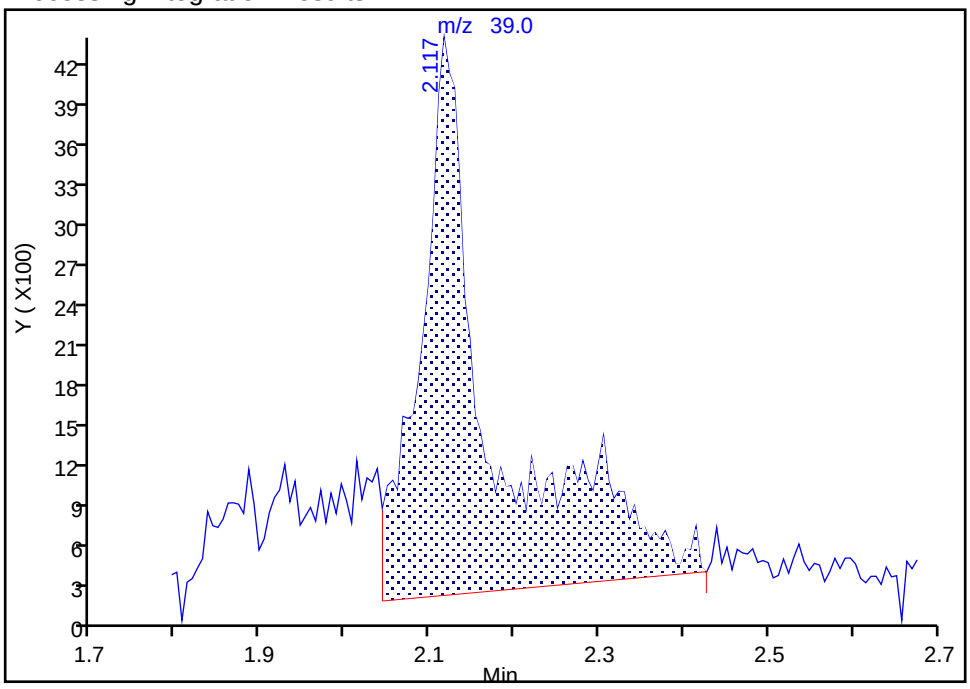
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X02.D
Injection Date: 31-Jan-2024 11:33:30 Instrument ID: 23297
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

6 Butadiene, CAS: 106-99-0

Signal: 1

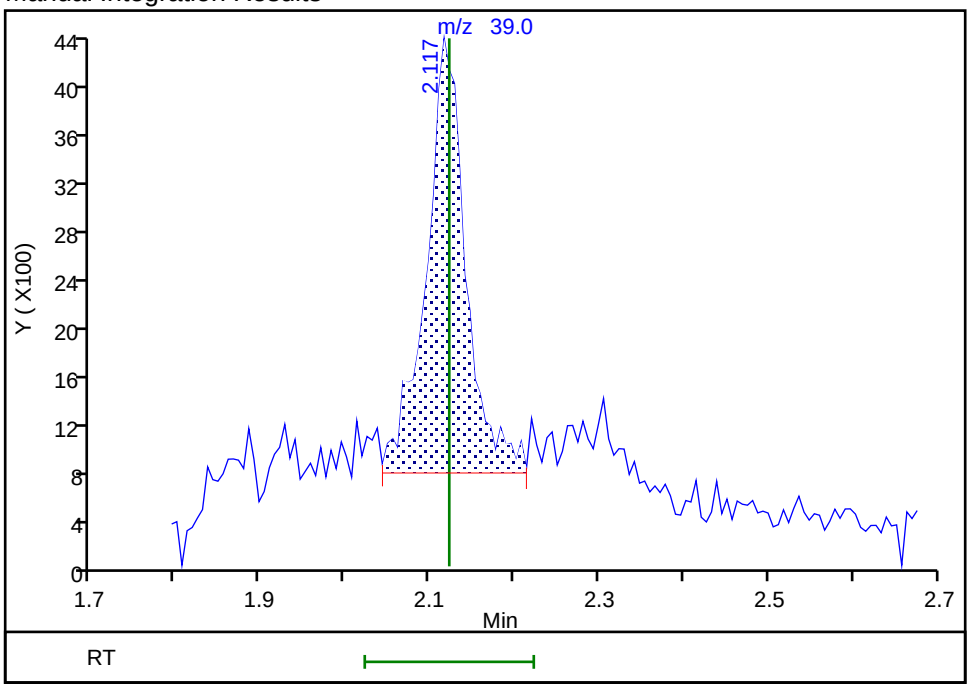
Processing Integration Results

RT: 2.12
Area: 24321
Amount: 1.082242
Amount Units: ug/l



Manual Integration Results

RT: 2.12
Area: 11661
Amount: 1.177626
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:42:51 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

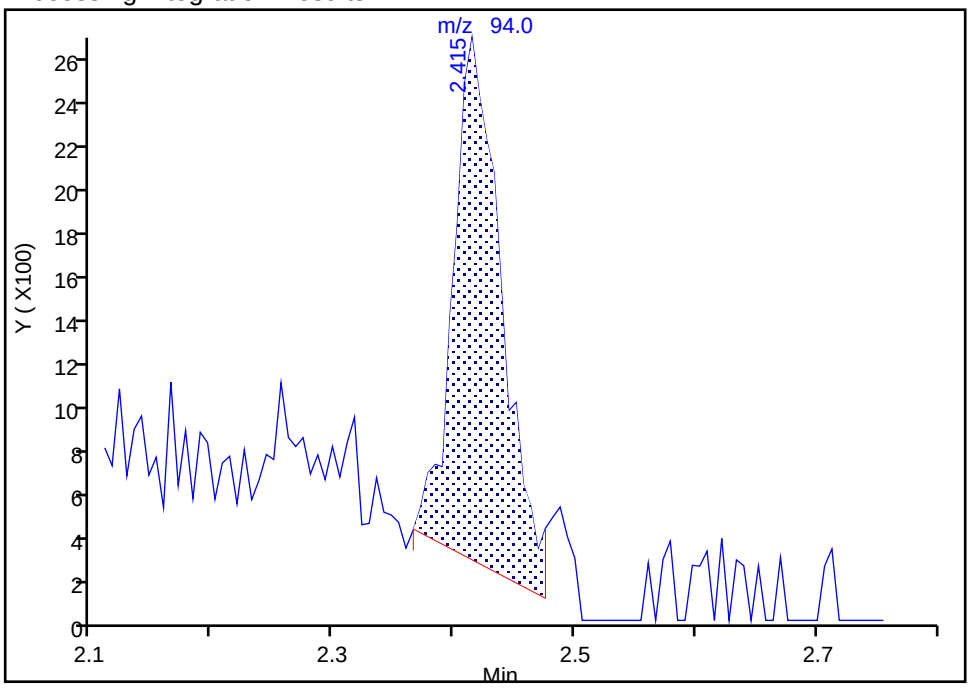
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X02.D
Injection Date: 31-Jan-2024 11:33:30 Instrument ID: 23297
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

8 Bromomethane, CAS: 74-83-9

Signal: 1

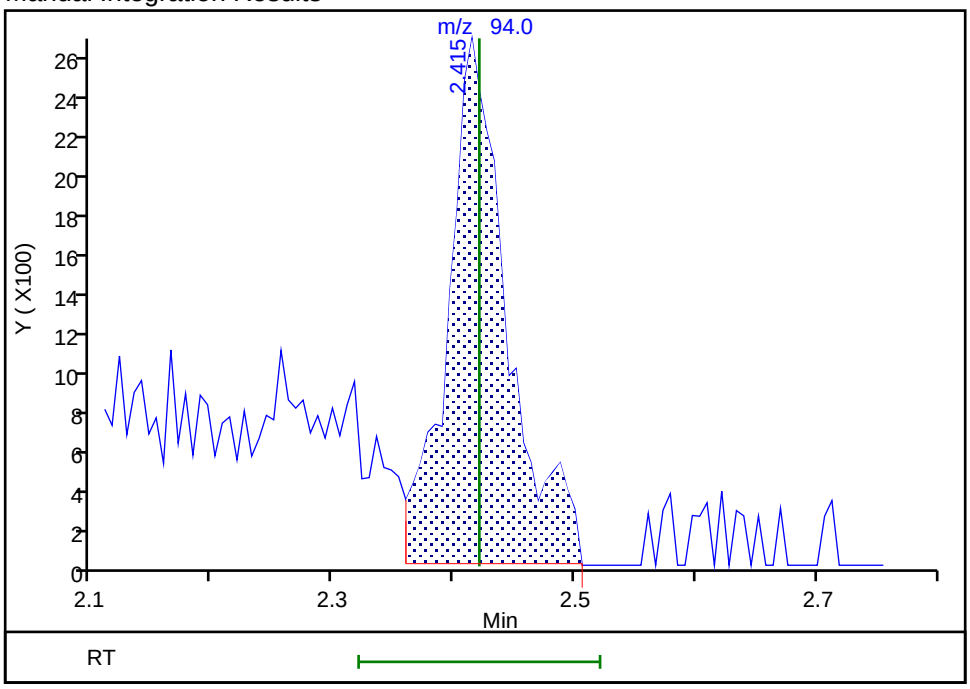
Processing Integration Results

RT: 2.41
Area: 6813
Amount: 0.894617
Amount Units: ug/l



Manual Integration Results

RT: 2.41
Area: 9342
Amount: 1.171142
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:43:16 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

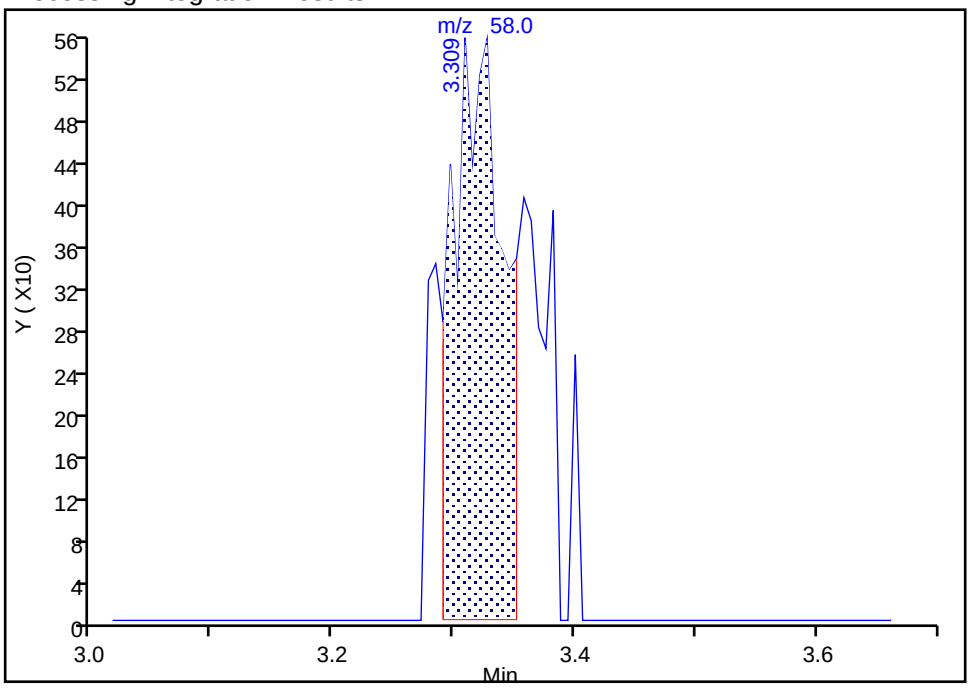
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X02.D
Injection Date: 31-Jan-2024 11:33:30 Instrument ID: 23297
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

18 Acetone, CAS: 67-64-1

Signal: 1

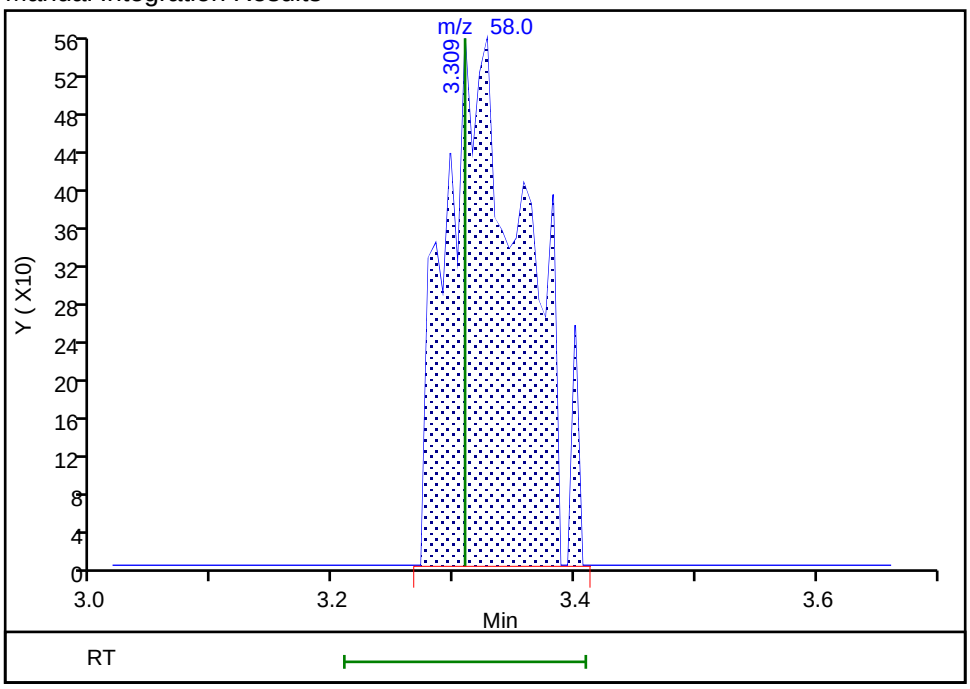
Processing Integration Results

RT: 3.31
Area: 1642
Amount: 1.260056
Amount Units: ug/l



Manual Integration Results

RT: 3.31
Area: 2605
Amount: 1.718593
Amount Units: ug/l



Reviewer: DVW2, 31-Jan-2024 14:22:37 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

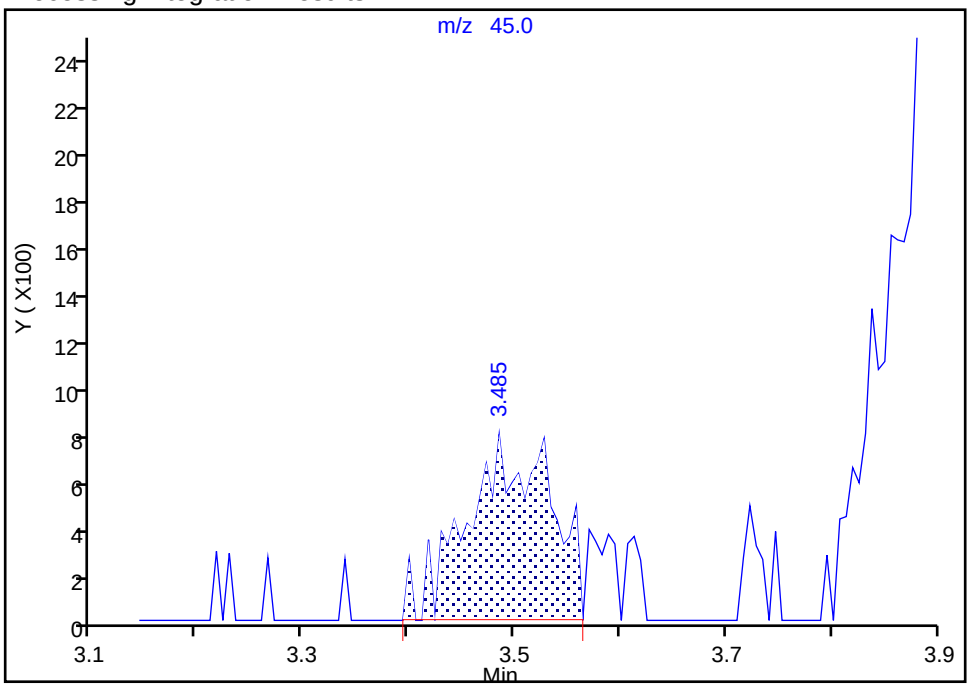
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X02.D
Injection Date: 31-Jan-2024 11:33:30 Instrument ID: 23297
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

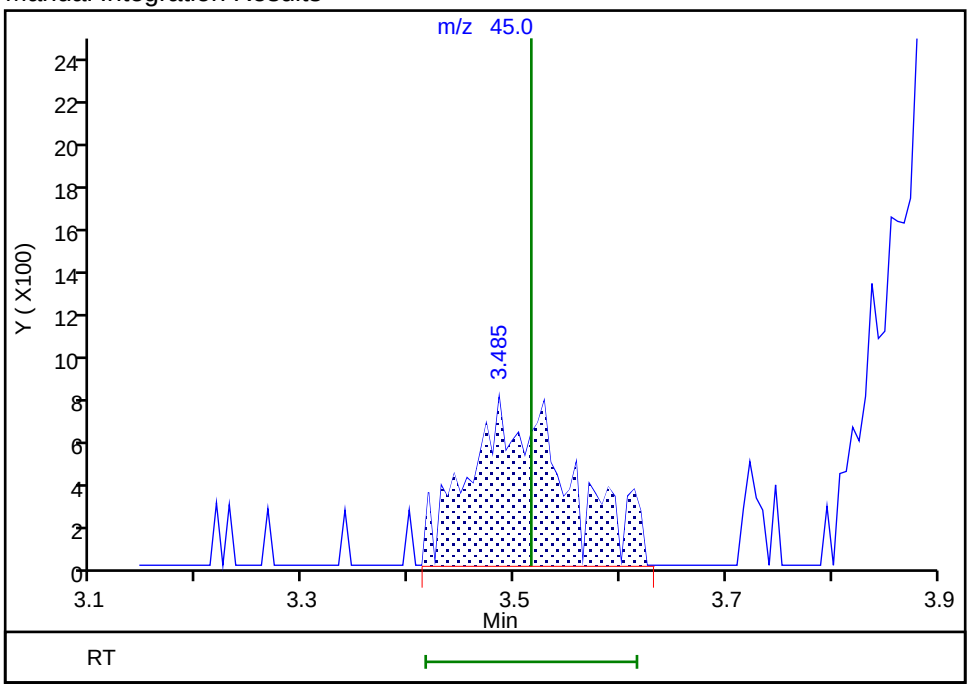
Processing Integration Results

RT: 3.49
Area: 4264
Amount: 3.349973
Amount Units: ug/l



Manual Integration Results

RT: 3.49
Area: 5126
Amount: 3.966126
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:13:09 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

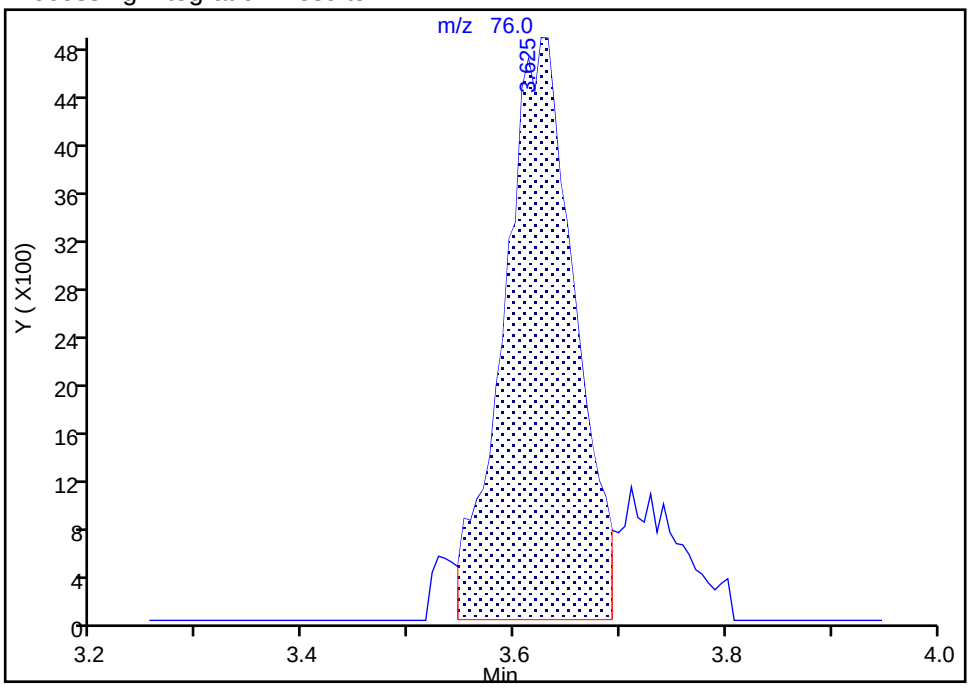
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X02.D
Injection Date: 31-Jan-2024 11:33:30 Instrument ID: 23297
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

22 Carbon disulfide, CAS: 75-15-0

Signal: 1

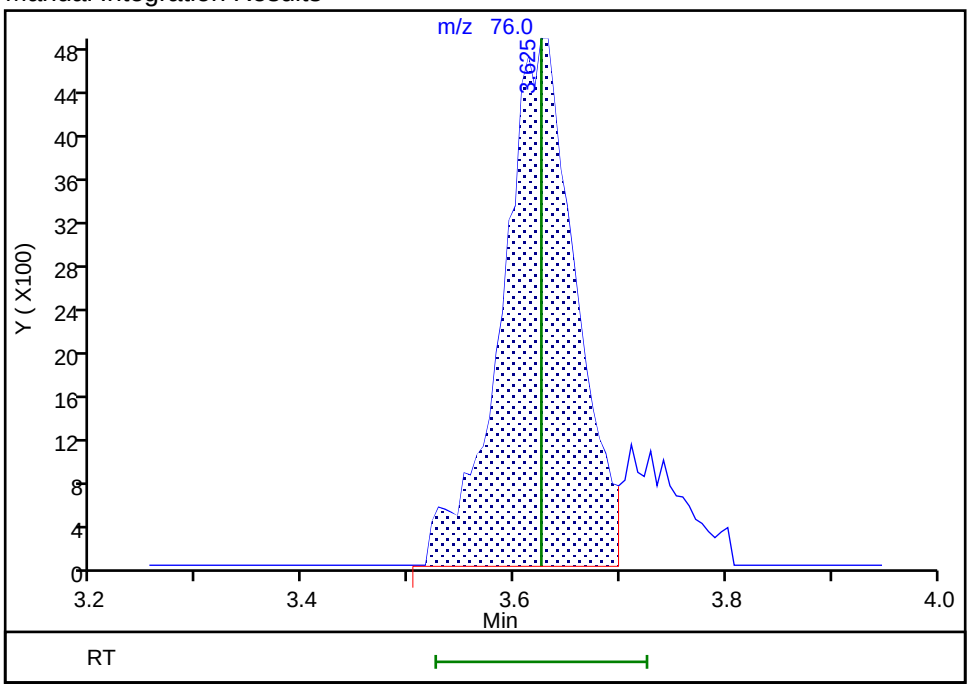
Processing Integration Results

RT: 3.63
Area: 22568
Amount: 0.864132
Amount Units: ug/l



Manual Integration Results

RT: 3.63
Area: 23536
Amount: 0.966062
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:13:15 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

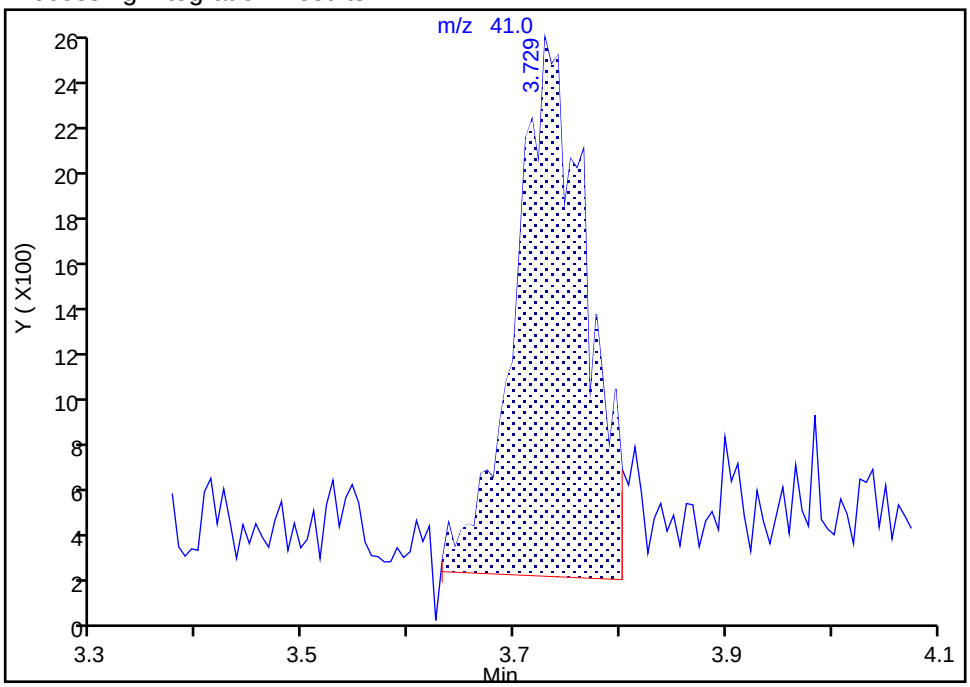
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X02.D
Injection Date: 31-Jan-2024 11:33:30 Instrument ID: 23297
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

26 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

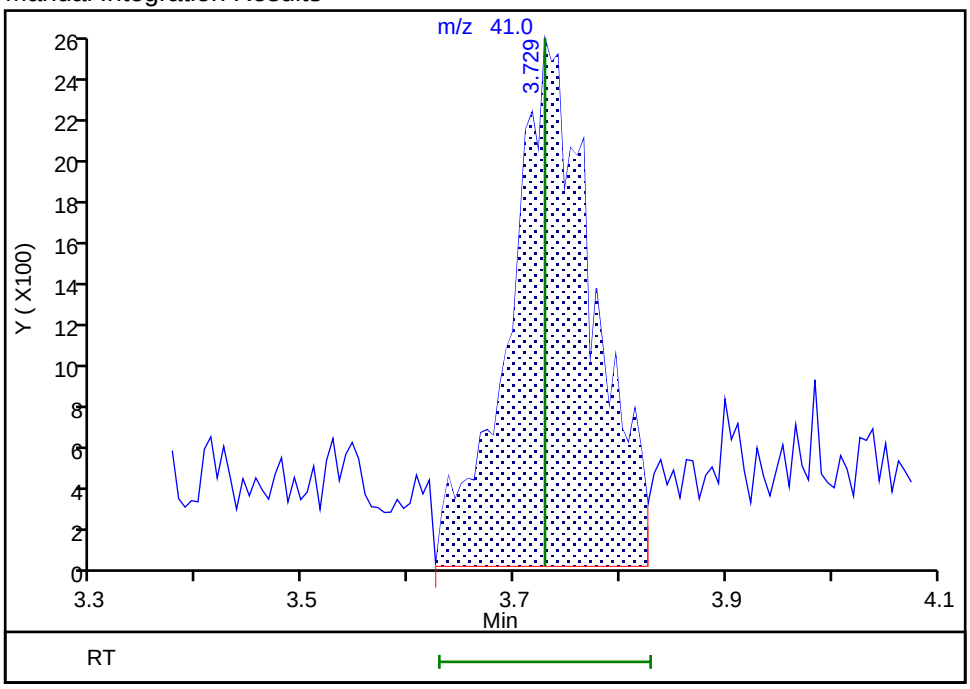
Processing Integration Results

RT: 3.73
Area: 10939
Amount: 1.027919
Amount Units: ug/l



Manual Integration Results

RT: 3.73
Area: 13748
Amount: 1.244932
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:17:09 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

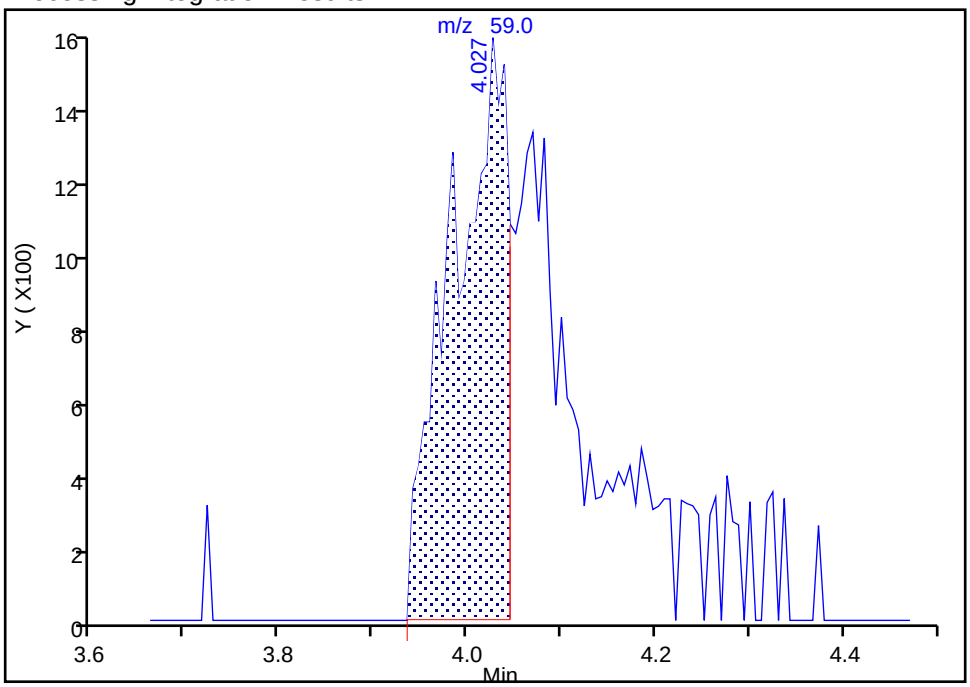
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X02.D
Injection Date: 31-Jan-2024 11:33:30 Instrument ID: 23297
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

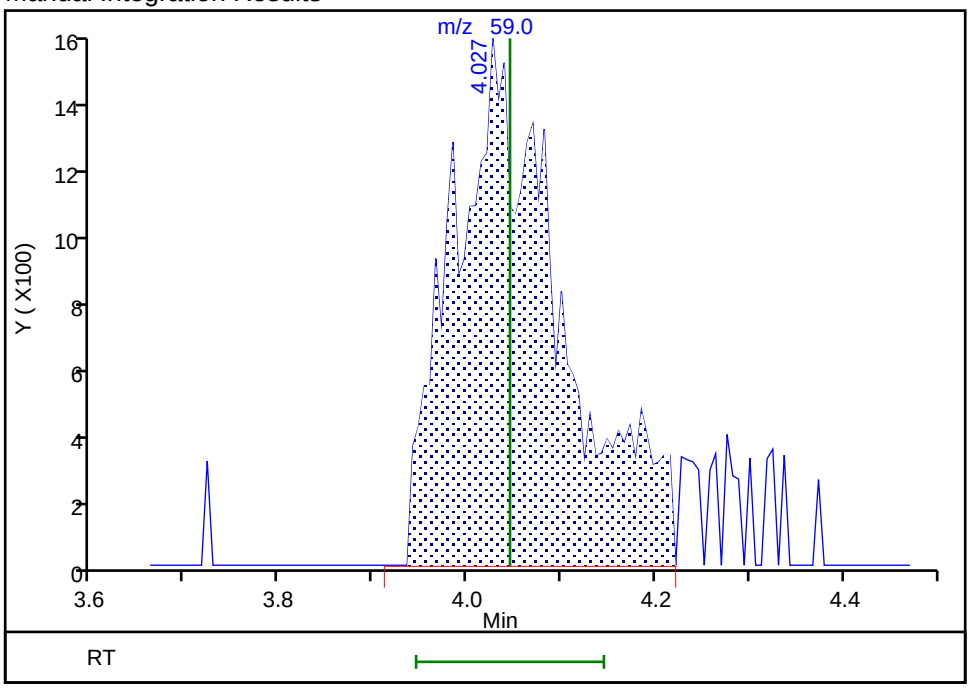
Processing Integration Results

RT: 4.03
Area: 6495
Amount: 2.660401
Amount Units: ug/l



Manual Integration Results

RT: 4.03
Area: 12703
Amount: 5.216633
Amount Units: ug/l



Reviewer: DVW2, 31-Jan-2024 14:22:48 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

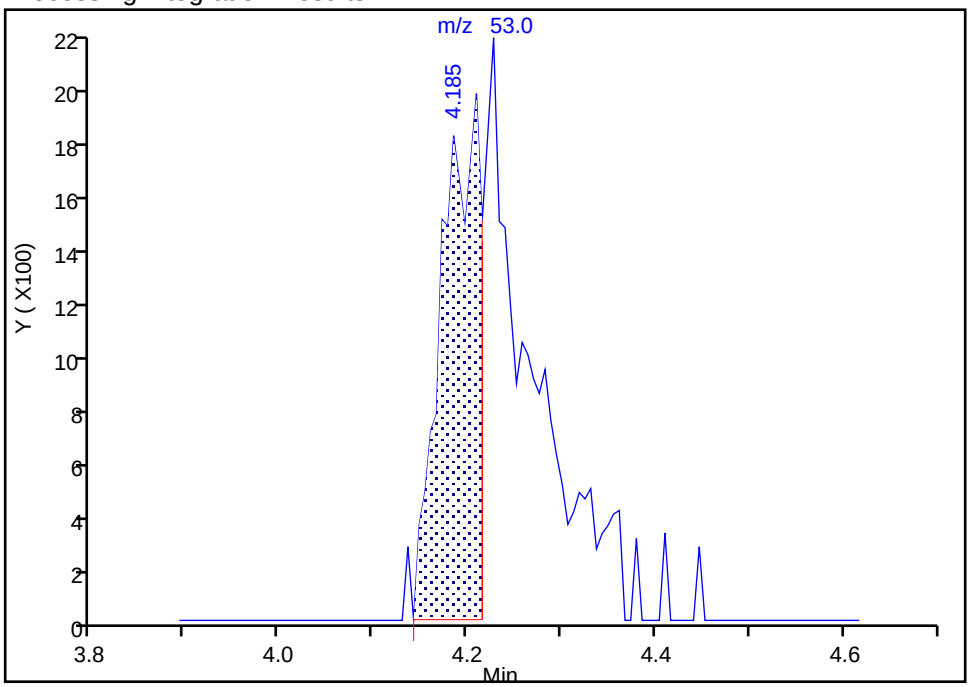
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X02.D
Injection Date: 31-Jan-2024 11:33:30 Instrument ID: 23297
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

30 Acrylonitrile, CAS: 107-13-1

Signal: 1

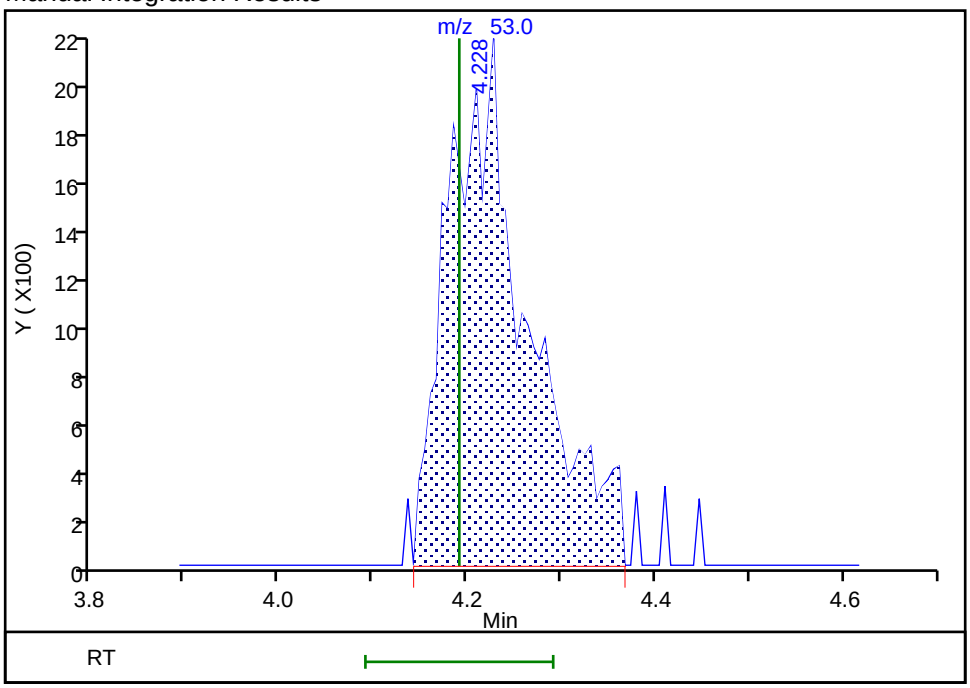
Processing Integration Results

RT: 4.19
Area: 5431
Amount: 2.482302
Amount Units: ug/l



Manual Integration Results

RT: 4.23
Area: 12329
Amount: 2.446134
Amount Units: ug/l



Reviewer: DVW2, 31-Jan-2024 14:22:54 -05:00:00 (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\20240131-105215.b\4J31X03.D
Lims ID: IC v4
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 31-Jan-2024 11:56:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0105215-004
Misc. Info.: ic v4
Operator ID: knk41612 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub95

Method: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 01-Feb-2024 16:10:59 Calib Date: 31-Jan-2024 13:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1617

First Level Reviewer: DVW2 Date: 31-Jan-2024 14:24:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.818	1.812	0.006	100	34315	4.00	3.12	
4 Chloromethane	50	1.995	1.995	0.000	98	39562	4.00	3.67	
5 Vinyl chloride	62	2.098	2.098	0.000	99	37086	4.00	3.54	
6 Butadiene	39	2.117	2.123	-0.006	92	33943	4.00	3.44	M
8 Bromomethane	94	2.421	2.421	0.000	91	28899	4.00	3.63	
9 Chloroethane	64	2.482	2.482	0.000	99	19630	4.00	3.57	
10 Dichlorofluoromethane	67	2.725	2.725	0.000	97	59869	4.00	3.59	
11 Trichlorofluoromethane	101	2.786	2.792	-0.006	96	40137	4.00	3.17	
12 Pentane	43	2.853	2.853	0.000	94	41641	4.00	3.33	
13 Ethanol	45	2.932	2.938	-0.006	78	24629	250.0	205.5	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.078	3.078	0.000	90	28893	4.00	3.50	
16 Acrolein	56	3.151	3.145	0.006	99	97180	40.0	36.6	
18 Acetone	58	3.351	3.309	0.042	43	9143	8.00	6.95	M
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.315	3.315	0.000	73	24692	4.00	3.46	
17 1,1-Dichloroethene	96	3.327	3.327	0.000	98	25208	4.00	3.57	
21 Iodomethane	142	3.491	3.485	0.006	97	52093	4.00	3.69	
20 Isopropyl alcohol	45	3.497	3.516	-0.019	36	19679	20.0	17.5	
22 Carbon disulfide	76	3.631	3.625	0.006	100	87835	4.00	3.62	
24 Methyl acetate	43	3.692	3.686	0.006	21	32297	4.00	3.64	M
26 3-Chloro-1-propene	41	3.729	3.729	0.000	86	40703	4.00	3.70	
27 Methylene Chloride	84	3.911	3.911	0.000	50	28873	4.00	3.66	
* 28 t-Butyl alcohol-d10 (IS)	65	3.929	3.917	0.012	50	489240	250.0	250.0	
29 2-Methyl-2-propanol	59	4.039	4.045	-0.006	36	36408	20.0	17.2	
30 Acrylonitrile	53	4.209	4.191	0.018	98	44839	10.0	8.93	
31 Methyl tert-butyl ether	73	4.264	4.252	0.012	91	78977	4.00	3.78	
32 trans-1,2-Dichloroethene	96	4.294	4.288	0.006	98	26169	4.00	3.63	
34 Hexane	57	4.708	4.708	0.000	93	28123	4.00	3.24	
35 1,1-Dichloroethane	63	4.945	4.945	0.000	95	41754	4.00	3.49	
37 Isopropyl ether	45	4.994	5.000	-0.006	93	71423	4.00	3.75	
38 2-Chloro-1,3-butadiene	53	5.049	5.055	-0.006	91	33196	4.00	3.41	

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	5.548	5.542	0.006	97	71266	4.00	3.70	
40 2-Butanone (MEK)	43	5.761	5.755	0.006	99	51082	8.00	7.20	M
41 cis-1,2-Dichloroethene	96	5.785	5.791	-0.006	82	27333	4.00	3.51	
42 2,2-Dichloropropane	77	5.803	5.803	0.000	90	41982	4.00	3.70	
44 Propionitrile	54	5.852	5.840	0.012	96	39596	20.0	18.8	
45 Methyl acrylate	55	5.901	5.888	0.012	99	40155	4.00	3.51	
47 Methacrylonitrile	67	6.065	6.059	0.006	88	42381	10.0	8.92	
48 Chlorobromomethane	128	6.126	6.120	0.006	52	15056	4.00	3.60	
49 Tetrahydrofuran	71	6.132	6.126	0.006	89	35451	20.0	18.7	
S 46 1,2-Dichloroethene, Total	100				0			7.14	
50 Chloroform	83	6.278	6.278	0.000	95	50581	4.00	3.71	
$ 51 Dibromofluoromethane (Surr)	113	6.491	6.491	0.000	93	336413	50.0	49.7	
52 1,1,1-Trichloroethane	97	6.509	6.515	-0.006	45	39923	4.00	3.51	
53 Cyclohexane	56	6.606	6.606	0.000	90	41366	4.00	3.38	
54 Carbon tetrachloride	117	6.722	6.722	0.000	95	33917	4.00	3.40	
55 1,1-Dichloropropene	75	6.722	6.722	0.000	92	29294	4.00	3.54	
56 Isobutyl alcohol	41	6.904	6.898	0.006	93	31636	50.0	43.7	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.953	6.953	0.000	81	76923	50.0	50.6	
58 Benzene	78	6.989	6.983	0.006	92	88962	4.00	3.52	
59 1,2-Dichloroethane	62	7.050	7.056	-0.006	97	34650	4.00	3.73	
61 Tert-amyl methyl ether	73	7.190	7.184	0.006	97	71073	4.00	3.66	
* 62 Fluorobenzene (IS)	96	7.397	7.397	0.000	99	1269154	50.0	50.0	
63 n-Heptane	43	7.415	7.421	-0.006	37	28941	4.00	3.50	
64 n-Butanol	56	7.805	7.793	0.012	92	22521	50.0	41.2	
66 Trichloroethene	95	7.884	7.884	0.000	98	23695	4.00	3.55	
67 Ethyl acrylate	55	8.018	8.012	0.006	98	43027	4.00	3.60	
68 Methylcyclohexane	83	8.200	8.194	0.006	89	40749	4.00	3.24	
69 1,2-Dichloropropane	63	8.212	8.218	-0.006	94	22370	4.00	3.46	
70 2-ethoxy-2-methyl butane	87	8.243	8.243	0.000	93	36400	4.00	3.55	
72 Methyl methacrylate	69	8.322	8.316	0.006	89	25597	4.00	3.55	
73 1,4-Dioxane	88	8.316	8.322	-0.006	31	6683	50.0	47.8	M
74 Dibromomethane	93	8.328	8.328	0.000	86	17946	4.00	3.57	
75 Dichlorobromomethane	83	8.571	8.571	0.000	99	29133	4.00	3.41	
76 2-Nitropropane	41	8.845	8.845	0.000	99	67696	20.0	18.5	
77 2-Chloroethyl vinyl ether	63	8.948	8.948	0.000	91	17901	4.00	3.25	
78 cis-1,3-Dichloropropene	75	9.143	9.137	0.006	93	38306	4.00	3.48	
79 4-Methyl-2-pentanone (MIBK)	43	9.326	9.326	0.000	96	84498	8.00	6.49	
$ 80 Toluene-d8 (Surr)	98	9.465	9.466	-0.001	93	1290564	50.0	50.1	
81 Toluene	92	9.545	9.545	0.000	98	58074	4.00	3.48	
82 trans-1,3-Dichloropropene	75	9.818	9.818	0.000	93	38639	4.00	3.42	
100 Ethyl methacrylate	69	9.891	9.885	0.006	88	42716	4.00	3.54	
118 1,1,2-Trichloroethane	97	10.025	10.031	-0.006	90	24563	4.00	3.52	
S 114 1,3-Dichloropropene, Total	100				0			6.90	
119 Tetrachloroethene	166	10.116	10.116	0.000	97	25846	4.00	3.46	
120 1,3-Dichloropropane	76	10.196	10.196	0.000	92	38754	4.00	3.51	
123 2-Hexanone	43	10.256	10.256	0.000	97	65358	8.00	6.16	
125 Chlorodibromomethane	129	10.415	10.415	-0.001	89	27228	4.00	3.42	
127 Ethylene Dibromide	107	10.524	10.524	0.000	98	30321	4.00	3.62	
* 128 Chlorobenzene-d5 (IS)	117	10.974	10.974	0.000	85	1046617	50.0	50.0	
129 1-Chlorohexane	91	10.986	10.986	0.000	95	32715	4.00	3.53	
130 Chlorobenzene	112	10.999	10.999	0.000	96	70379	4.00	3.47	
131 1,1,1,2-Tetrachloroethane	131	11.084	11.084	0.000	96	24002	4.00	3.19	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
132 Ethylbenzene	91	11.090	11.090	0.000	98	114460	4.00	3.42	
134 m-Xylene & p-Xylene	106	11.205	11.205	0.000	100	89886	8.00	6.76	
S 133 Xylenes, Total	106				0			10.0	
135 n-Butyl acrylate	55	11.497	11.497	0.000	96	55926	4.00	3.50	
136 o-Xylene	106	11.540	11.540	0.000	96	45418	4.00	3.27	
137 Styrene	104	11.558	11.558	0.000	95	78936	4.00	3.44	
138 Bromoform	173	11.710	11.710	0.000	96	22472	4.00	3.27	
139 Isopropylbenzene	105	11.850	11.850	0.000	96	101744	4.00	3.18	
141 Cyclohexanone	55	11.917	11.917	0.000	92	59419	200.0	116.6	
$ 142 4-Bromofluorobenzene (Surr)	95	11.990	11.990	0.000	91	546174	50.0	50.1	
143 1,1,2,2-Tetrachloroethane	83	12.100	12.100	0.000	96	44155	4.00	3.33	
144 Bromobenzene	156	12.106	12.106	0.000	92	34229	4.00	3.50	
145 trans-1,4-Dichloro-2-butene	53	12.124	12.124	0.000	94	38560	10.0	8.44	
146 1,2,3-Trichloropropane	110	12.142	12.142	0.000	85	14554	4.00	3.47	
147 N-Propylbenzene	91	12.179	12.185	-0.006	99	129868	4.00	3.31	
148 2-Chlorotoluene	126	12.258	12.258	0.000	97	29885	4.00	3.36	
149 1,3,5-Trimethylbenzene	105	12.325	12.319	0.006	93	93779	4.00	3.22	
150 4-Chlorotoluene	126	12.349	12.349	0.000	97	31030	4.00	3.37	
153 tert-Butylbenzene	134	12.562	12.562	0.000	92	17478	4.00	3.20	
155 1,2,4-Trimethylbenzene	105	12.605	12.611	-0.006	97	99406	4.00	3.26	
156 sec-Butylbenzene	105	12.732	12.726	0.006	94	114456	4.00	3.22	
158 1,3-Dichlorobenzene	146	12.824	12.824	0.000	98	63705	4.00	3.42	
159 4-Isopropyltoluene	119	12.842	12.836	0.006	97	103876	4.00	3.25	
* 160 1,4-Dichlorobenzene-d4	152	12.884	12.885	-0.001	94	659477	50.0	50.0	
161 1,4-Dichlorobenzene	146	12.903	12.903	0.000	95	66383	4.00	3.43	
162 1,2,3-Trimethylbenzene	105	12.915	12.915	0.000	98	107073	4.00	3.35	
163 Benzyl chloride	91	12.976	12.976	0.000	98	96546	4.00	3.36	
164 1,3-Diethylbenzene	119	13.043	13.043	0.000	95	62587	4.00	3.28	
165 p-Diethylbenzene	119	13.116	13.116	0.000	94	66329	4.00	3.28	
166 n-Butylbenzene	92	13.134	13.134	0.000	98	51866	4.00	3.26	
167 1,2-Dichlorobenzene	146	13.164	13.158	0.006	99	63552	4.00	3.39	
168 o-diethylbenzene	119	13.183	13.183	0.000	93	50871	4.00	3.25	
170 1,2-Dibromo-3-Chloropropane	75	13.706	13.706	0.000	85	13646	4.00	3.36	
171 1,3,5-Trichlorobenzene	180	13.833	13.834	-0.001	98	45913	4.00	3.50	
172 1,2,4-Trichlorobenzene	180	14.259	14.259	0.000	90	45594	4.00	3.65	
173 2-Ethylhexyl acrylate	55	14.320	14.320	0.000	81	25562	4.00	3.37	
174 Hexachlorobutadiene	225	14.345	14.345	-0.001	95	15670	4.00	3.36	
175 Naphthalene	128	14.436	14.436	0.000	97	169120	4.00	3.52	
176 1,2,3-Trichlorobenzene	180	14.582	14.582	0.000	96	42923	4.00	3.48	
177 2-Methylnaphthalene	142	15.184	15.184	0.000	93	72382	4.00	3.58	
S 186 Total Diethylbenzene	1				0			9.81	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00168	Amount Added:	4.00	Units: uL	
MSV_CCV_VOC#3_00164	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00160	Amount Added:	4.00	Units: uL	
MSV_CCV_ETOH_00005	Amount Added:	20.00	Units: uL	
MSV_CCV_GASES_00717	Amount Added:	2.00	Units: uL	
MSV_CCV_CYC_00008	Amount Added:	32.00	Units: uL	
MSV_CCV_OH_Sp_00005	Amount Added:	4.00	Units: uL	
MSV_HP04_ISSS_00001	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 01-Feb-2024 16:11:01 Chrom Revision: 2.3 24-Jan-2024 12:19:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X03.D

Injection Date: 31-Jan-2024 11:56:30 Instrument ID: 23297 Operator ID: knk41612

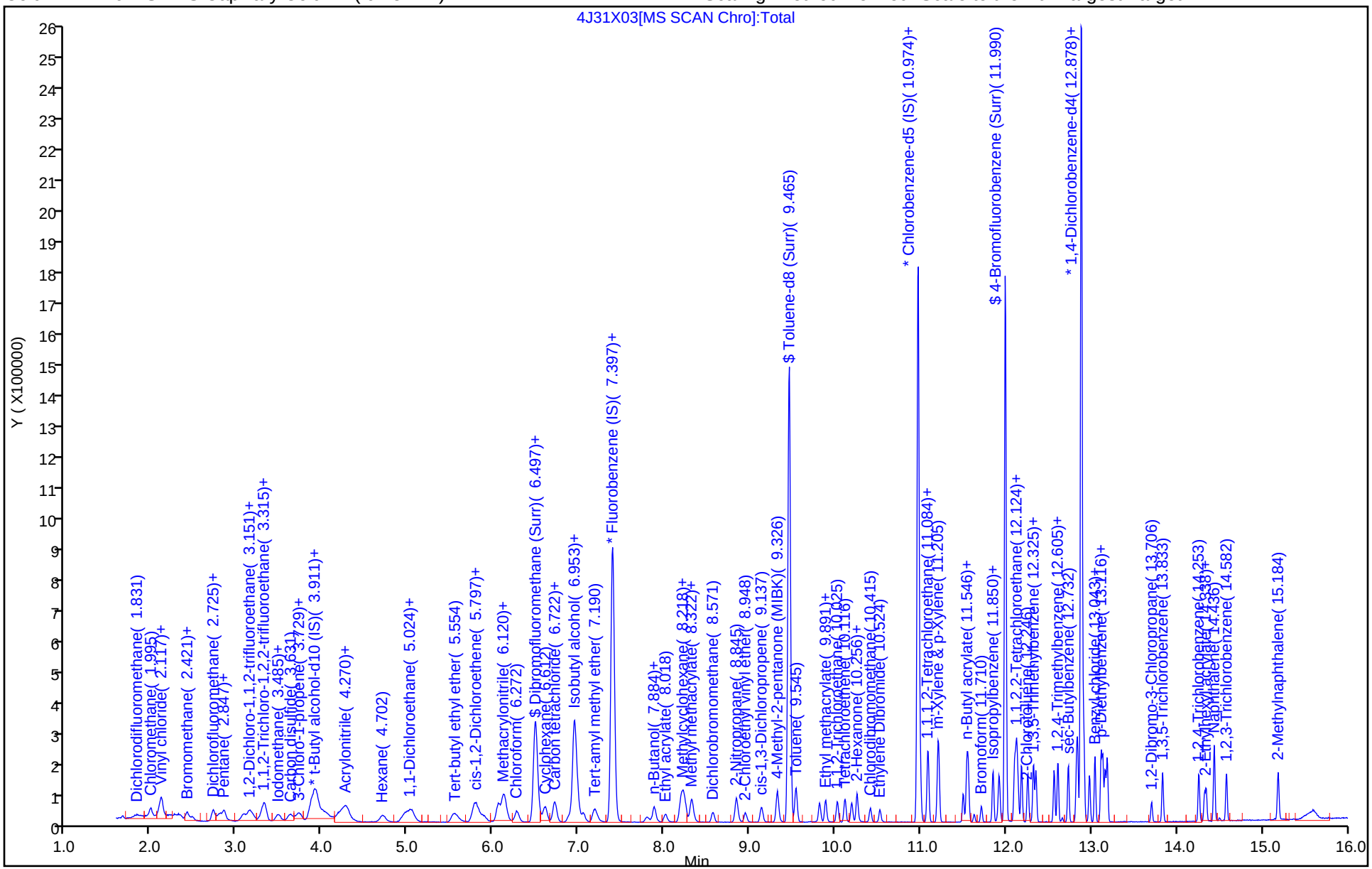
Lims ID: IC v4 Worklist Smp#: 4

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

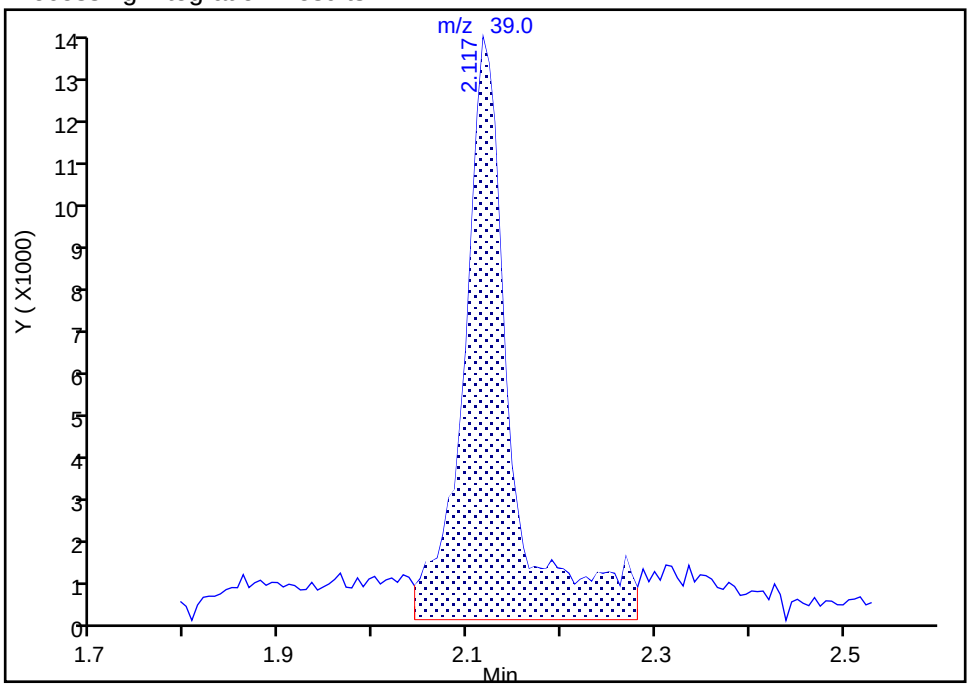
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X03.D
Injection Date: 31-Jan-2024 11:56:30 Instrument ID: 23297
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

6 Butadiene, CAS: 106-99-0

Signal: 1

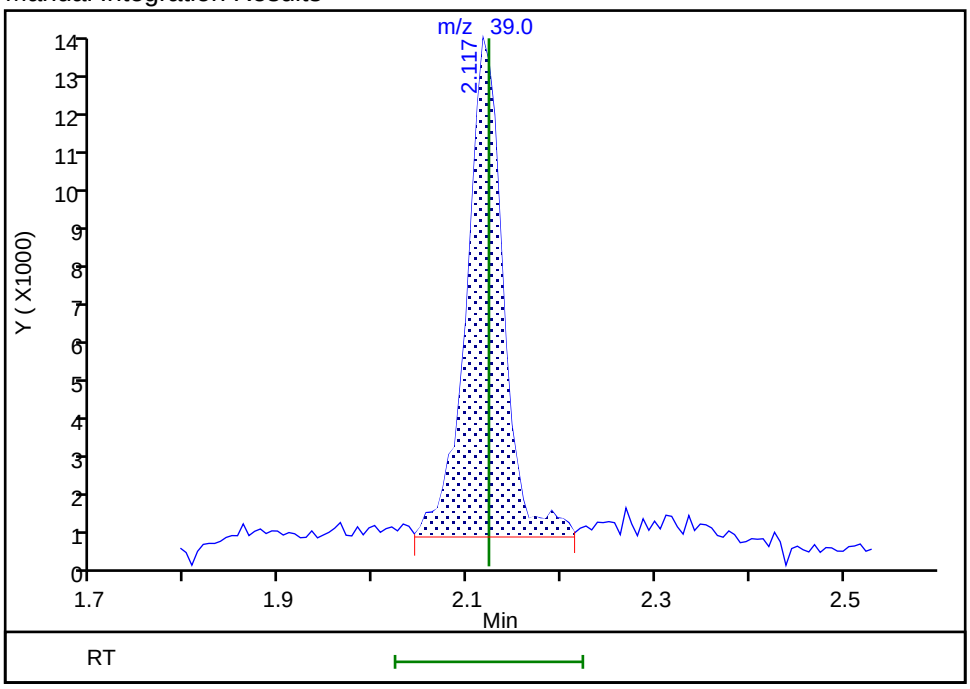
Processing Integration Results

RT: 2.12
Area: 45553
Amount: 3.807455
Amount Units: ug/l



Manual Integration Results

RT: 2.12
Area: 33943
Amount: 3.439089
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:18:22 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

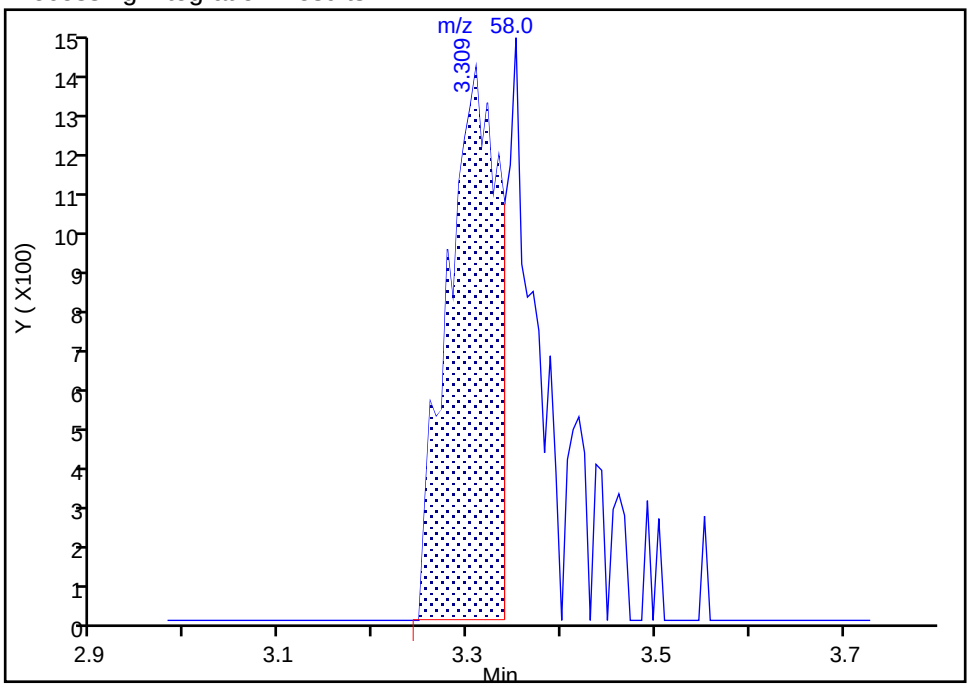
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X03.D
Injection Date: 31-Jan-2024 11:56:30 Instrument ID: 23297
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

18 Acetone, CAS: 67-64-1

Signal: 1

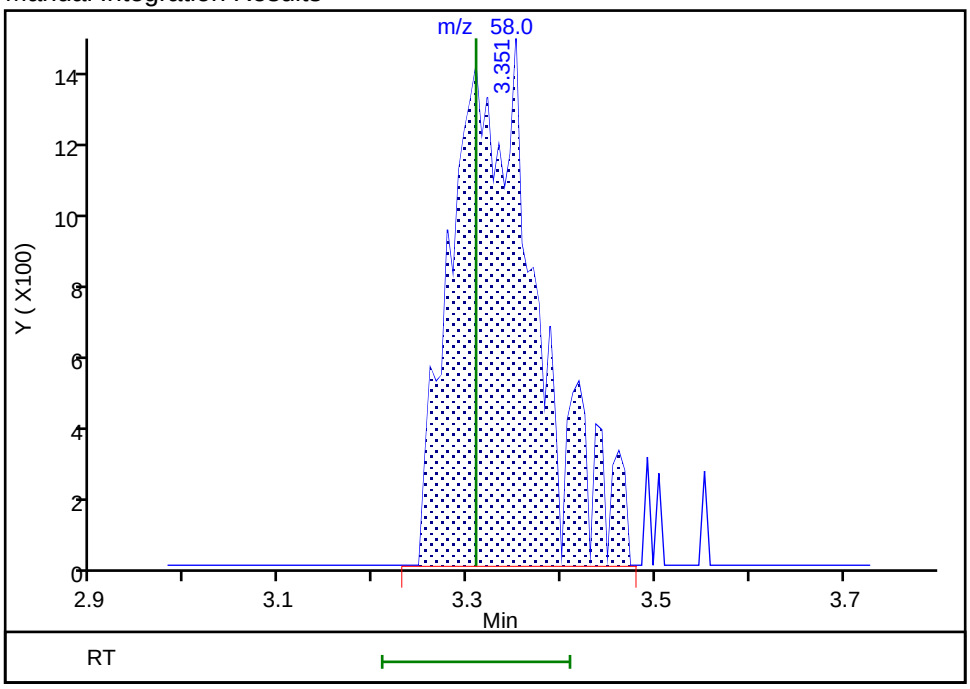
Processing Integration Results

RT: 3.31
Area: 5222
Amount: 4.384014
Amount Units: ug/l



Manual Integration Results

RT: 3.35
Area: 9143
Amount: 6.947236
Amount Units: ug/l



Reviewer: DVW2, 31-Jan-2024 14:23:57 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

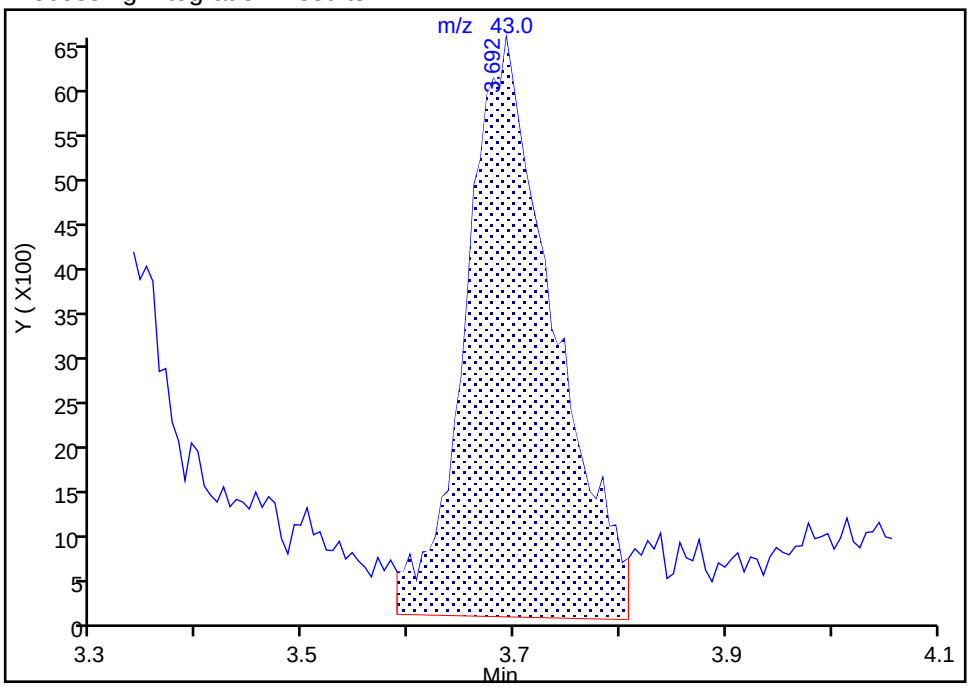
Data File:	\\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X03.D				
Injection Date:	31-Jan-2024 11:56:30	Instrument ID:	23297		
Lims ID:	IC v4				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

24 Methyl acetate, CAS: 79-20-9

Signal: 1

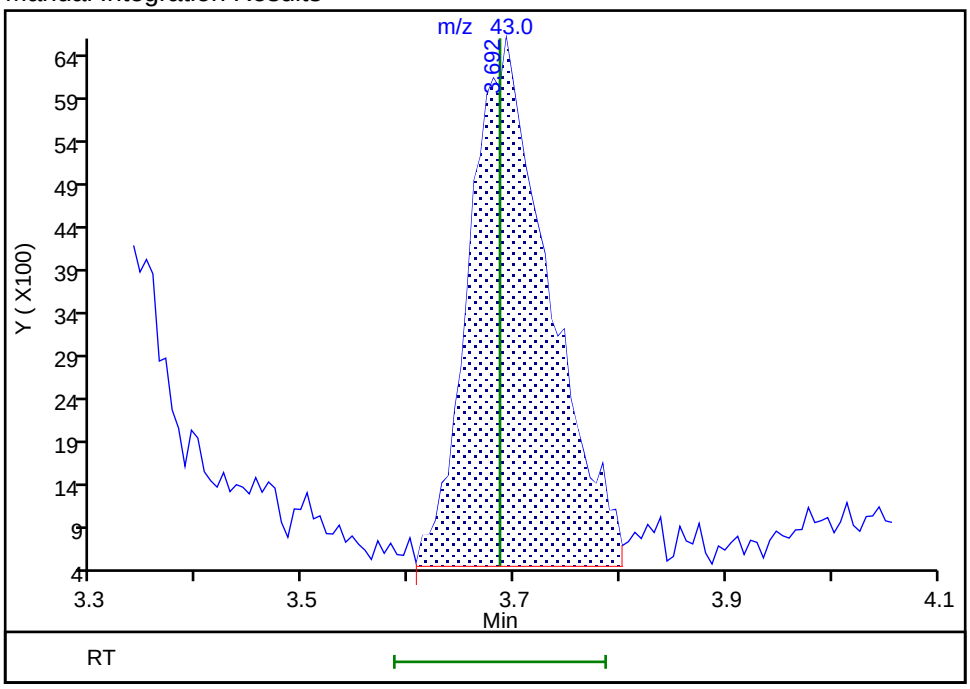
Processing Integration Results

RT: 3.69
Area: 37938
Amount: 4.127317
Amount Units: ug/l



Manual Integration Results

RT: 3.69
Area: 32297
Amount: 3.638992
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:18:48 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

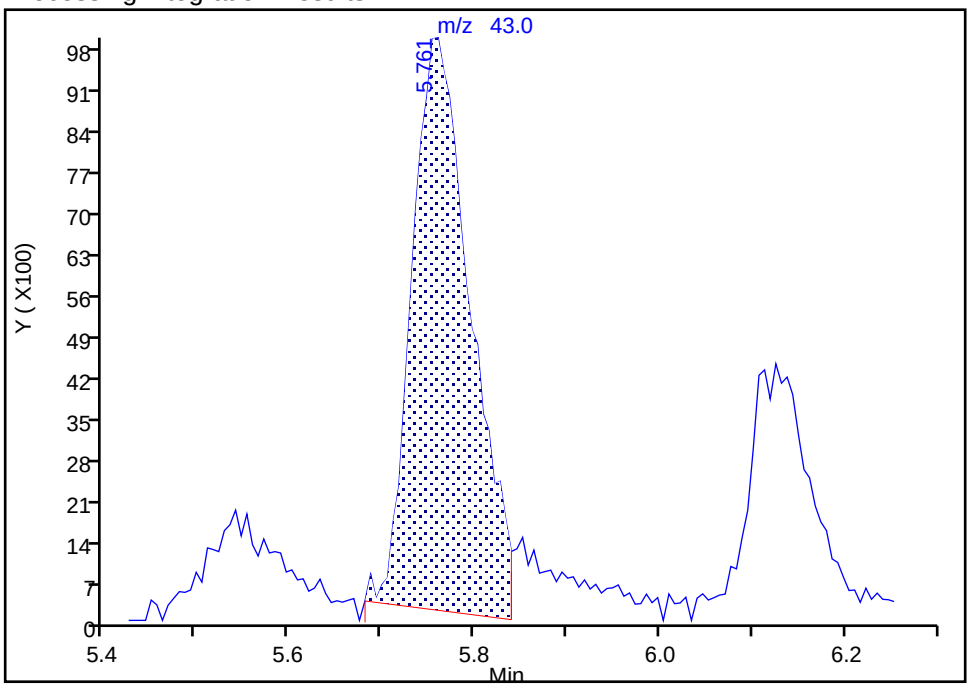
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X03.D
Injection Date: 31-Jan-2024 11:56:30 Instrument ID: 23297
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

40 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

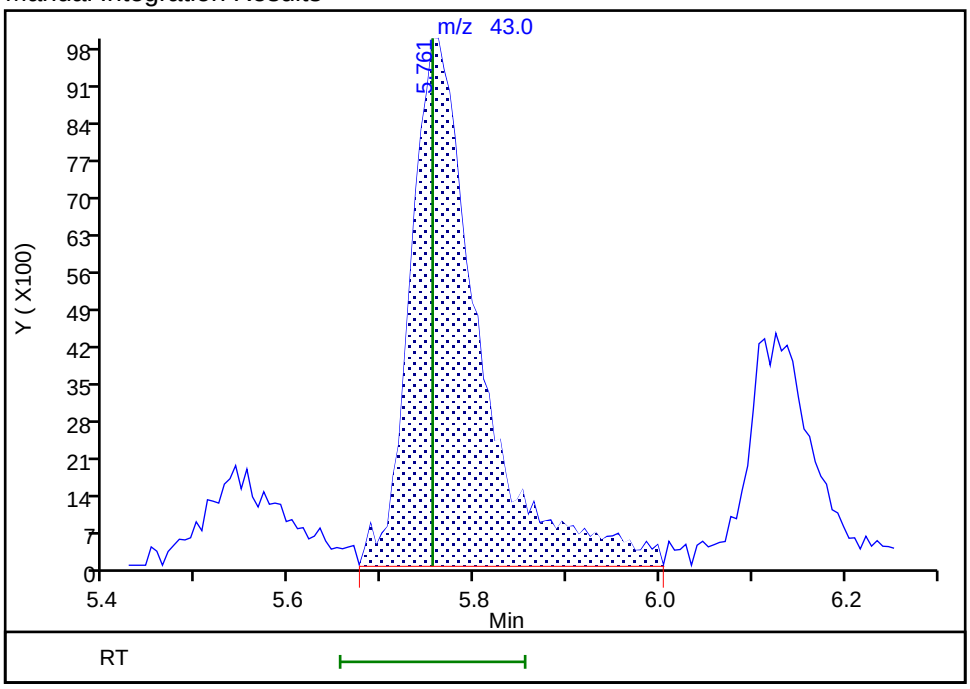
Processing Integration Results

RT: 5.76
Area: 43110
Amount: 6.178238
Amount Units: ug/l



Manual Integration Results

RT: 5.76
Area: 51082
Amount: 7.197051
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:19:02 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

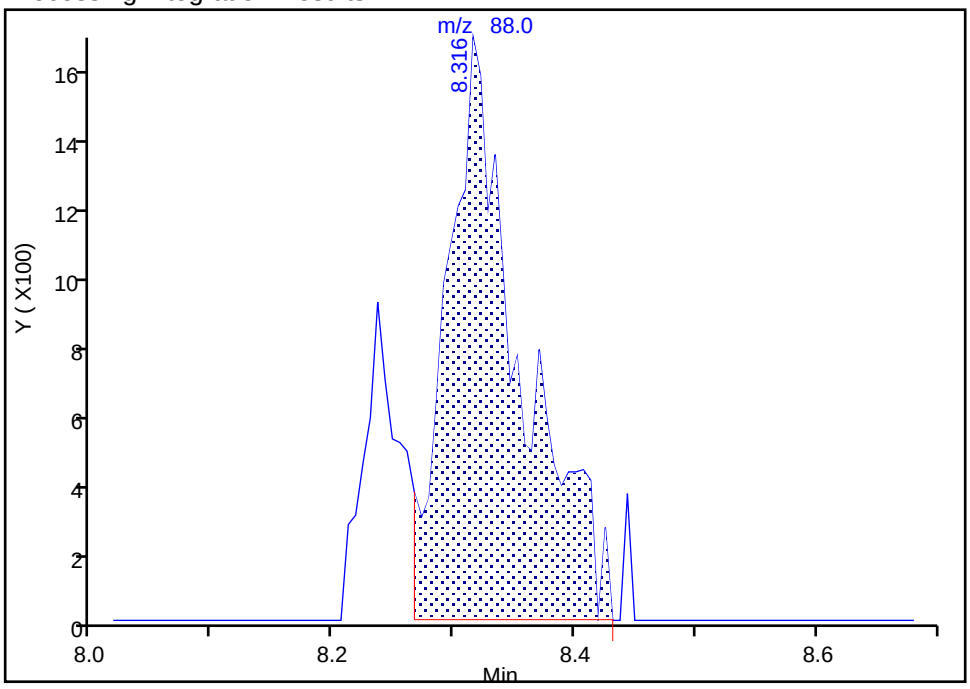
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X03.D
Injection Date: 31-Jan-2024 11:56:30 Instrument ID: 23297
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

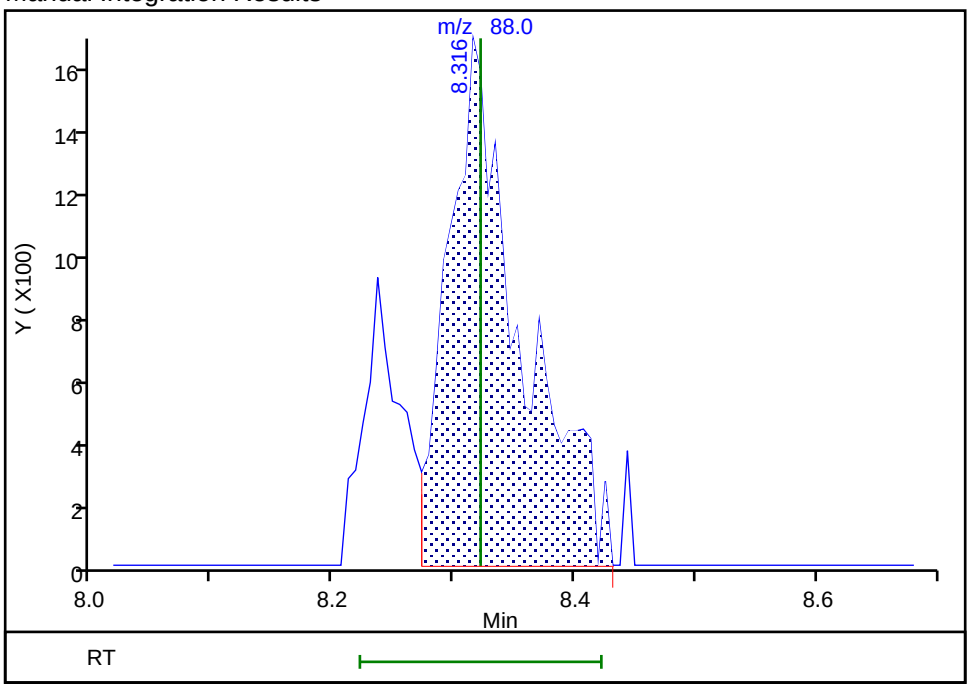
Processing Integration Results

RT: 8.32
Area: 6812
Amount: 48.098329
Amount Units: ug/l



Manual Integration Results

RT: 8.32
Area: 6683
Amount: 47.765900
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:19:19 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X04.D
Lims ID: IC v10
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 31-Jan-2024 12:18:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0105215-005
Misc. Info.: ic v10
Operator ID: knk41612 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub95

Method: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 01-Feb-2024 16:11:08 Calib Date: 31-Jan-2024 13:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1617

First Level Reviewer: DVW2 Date: 31-Jan-2024 14:26:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.819	1.812	0.006	99	98411	10.0	9.37	
4 Chloromethane	50	1.995	1.995	0.000	98	106515	10.0	10.3	
5 Vinyl chloride	62	2.104	2.098	0.006	98	101429	10.0	10.1	
6 Butadiene	39	2.123	2.123	0.000	91	87427	10.0	9.27	M
8 Bromomethane	94	2.427	2.421	0.006	90	76972	10.0	10.1	
9 Chloroethane	64	2.482	2.482	0.000	100	53601	10.0	10.2	
10 Dichlorofluoromethane	67	2.725	2.725	0.000	97	164347	10.0	10.3	
11 Trichlorofluoromethane	101	2.792	2.792	0.000	95	115938	10.0	9.59	
12 Pentane	43	2.853	2.853	0.000	96	130272	10.0	10.9	
13 Ethanol	45	2.956	2.938	0.018	90	70531	500.0	537.2	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.090	3.078	0.012	91	77125	10.0	9.77	
16 Acrolein	56	3.163	3.145	0.018	99	268826	100.0	92.4	
18 Acetone	58	3.321	3.309	0.012	44	27376	20.0	19.0	M
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.315	3.315	0.000	73	71894	10.0	10.5	
17 1,1-Dichloroethene	96	3.327	3.327	0.000	98	70324	10.0	10.4	
21 Iodomethane	142	3.485	3.485	0.000	98	142295	10.0	10.5	
20 Isopropyl alcohol	45	3.522	3.516	0.006	27	69168	50.0	56.3	M
22 Carbon disulfide	76	3.631	3.625	0.006	99	240382	10.0	10.4	M
24 Methyl acetate	43	3.692	3.686	0.006	98	88353	10.0	10.4	M
26 3-Chloro-1-propene	41	3.735	3.729	0.006	86	103518	10.0	9.84	
27 Methylene Chloride	84	3.917	3.911	0.006	89	79119	10.0	10.5	
* 28 t-Butyl alcohol-d10 (IS)	65	3.942	3.917	0.025	98	535895	250.0	250.0	
29 2-Methyl-2-propanol	59	4.051	4.045	0.006	98	122187	50.0	52.8	
30 Acrylonitrile	53	4.197	4.191	0.006	99	126017	25.0	26.2	
31 Methyl tert-butyl ether	73	4.264	4.252	0.012	95	216274	10.0	10.8	
32 trans-1,2-Dichloroethene	96	4.288	4.288	0.000	99	71695	10.0	10.4	
34 Hexane	57	4.702	4.708	-0.006	94	78544	10.0	9.45	
35 1,1-Dichloroethane	63	4.945	4.945	0.000	96	120302	10.0	10.5	
37 Isopropyl ether	45	5.006	5.000	0.006	93	194895	10.0	10.7	
38 2-Chloro-1,3-butadiene	53	5.061	5.055	0.006	91	95517	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	5.554	5.542	0.012	98	199780	10.0	10.9	
40 2-Butanone (MEK)	43	5.761	5.755	0.006	99	126476	20.0	18.6	M
41 cis-1,2-Dichloroethene	96	5.785	5.791	-0.006	83	77148	10.0	10.4	
42 2,2-Dichloropropane	77	5.803	5.803	0.000	88	111942	10.0	10.3	
44 Propionitrile	54	5.840	5.840	0.000	96	119341	50.0	51.8	
45 Methyl acrylate	55	5.888	5.888	0.000	100	109851	10.0	10.0	
47 Methacrylonitrile	67	6.059	6.059	0.000	92	121672	25.0	26.8	
48 Chlorobromomethane	128	6.126	6.120	0.006	91	41111	10.0	10.3	
49 Tetrahydrofuran	71	6.126	6.126	0.000	91	104319	50.0	50.2	
S 46 1,2-Dichloroethene, Total	100				0			20.8	
50 Chloroform	83	6.278	6.278	0.000	93	126261	10.0	9.68	
$ 51 Dibromofluoromethane (Surr)	113	6.491	6.491	0.000	93	319565	50.0	49.4	
52 1,1,1-Trichloroethane	97	6.515	6.515	0.000	98	115693	10.0	10.6	
53 Cyclohexane	56	6.606	6.606	0.000	91	118535	10.0	10.1	
54 Carbon tetrachloride	117	6.722	6.722	0.000	97	99763	10.0	10.5	
55 1,1-Dichloropropene	75	6.722	6.722	0.000	91	80593	10.0	10.2	
56 Isobutyl alcohol	41	6.898	6.898	0.000	93	106126	125.0	134.0	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.953	6.953	0.000	86	72481	50.0	49.9	
58 Benzene	78	6.990	6.983	0.007	95	250471	10.0	10.4	
59 1,2-Dichloroethane	62	7.056	7.056	0.000	98	91805	10.0	10.3	
61 Tert-amyl methyl ether	73	7.190	7.184	0.006	97	205991	10.0	11.1	
* 62 Fluorobenzene (IS)	96	7.397	7.397	0.000	99	1213286	50.0	50.0	
63 n-Heptane	43	7.428	7.421	0.007	91	69742	10.0	8.81	
64 n-Butanol	56	7.799	7.793	0.006	90	78249	125.0	130.8	
66 Trichloroethene	95	7.890	7.884	0.006	98	67032	10.0	10.5	
67 Ethyl acrylate	55	8.012	8.012	0.000	99	110696	10.0	9.68	
68 Methylcyclohexane	83	8.200	8.194	0.006	90	113213	10.0	9.43	
69 1,2-Dichloropropane	63	8.218	8.218	0.000	92	64554	10.0	10.4	
70 2-ethoxy-2-methyl butane	87	8.243	8.243	0.000	94	106783	10.0	10.9	
72 Methyl methacrylate	69	8.316	8.316	0.000	90	73836	10.0	10.7	
73 1,4-Dioxane	88	8.328	8.322	0.006	36	22316	125.0	145.6	
74 Dibromomethane	93	8.328	8.328	0.000	93	51135	10.0	10.6	
75 Dichlorobromomethane	83	8.565	8.571	-0.006	99	86918	10.0	10.6	
76 2-Nitropropane	41	8.845	8.845	0.000	99	202125	50.0	50.4	
77 2-Chloroethyl vinyl ether	63	8.955	8.948	0.007	92	56896	10.0	10.8	
78 cis-1,3-Dichloropropene	75	9.143	9.137	0.006	96	112182	10.0	10.7	
79 4-Methyl-2-pentanone (MIBK)	43	9.326	9.326	0.000	97	239742	20.0	19.3	
$ 80 Toluene-d8 (Surr)	98	9.466	9.466	0.000	93	1240986	50.0	49.9	
81 Toluene	92	9.545	9.545	0.000	98	170473	10.0	10.6	
82 trans-1,3-Dichloropropene	75	9.818	9.818	0.000	93	113865	10.0	10.5	
100 Ethyl methacrylate	69	9.891	9.885	0.006	89	120762	10.0	10.4	
118 1,1,2-Trichloroethane	97	10.025	10.031	-0.006	89	73138	10.0	10.9	
S 114 1,3-Dichloropropene, Total	100				0			21.1	
119 Tetrachloroethene	166	10.116	10.116	0.000	97	77080	10.0	10.7	
120 1,3-Dichloropropane	76	10.196	10.196	0.000	92	113729	10.0	10.7	
123 2-Hexanone	43	10.256	10.256	0.000	96	193492	20.0	18.9	
125 Chlorodibromomethane	129	10.415	10.415	0.000	90	80632	10.0	10.5	
127 Ethylene Dibromide	107	10.524	10.524	0.000	98	86531	10.0	10.7	
* 128 Chlorobenzene-d5 (IS)	117	10.974	10.974	0.000	85	1009608	50.0	50.0	
129 1-Chlorohexane	91	10.986	10.986	0.000	97	88096	10.0	9.86	
130 Chlorobenzene	112	10.999	10.999	0.000	97	211279	10.0	10.8	
131 1,1,1,2-Tetrachloroethane	131	11.084	11.084	0.000	95	76967	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
132 Ethylbenzene	91	11.090	11.090	0.000	98	345301	10.0	10.7	
134 m-Xylene & p-Xylene	106	11.212	11.205	0.007	100	273988	20.0	21.4	
S 133 Xylenes, Total	106				0			32.0	
135 n-Butyl acrylate	55	11.497	11.497	0.000	96	142722	10.0	9.27	
136 o-Xylene	106	11.540	11.540	0.000	96	143049	10.0	10.7	
137 Styrene	104	11.558	11.558	0.000	95	239879	10.0	10.8	
138 Bromoform	173	11.710	11.710	0.000	97	68667	10.0	10.3	
139 Isopropylbenzene	105	11.850	11.850	0.000	95	328226	10.0	10.6	
141 Cyclohexanone	55	11.917	11.917	0.000	92	181991	250.0	326.0	
$ 142 4-Bromofluorobenzene (Surr)	95	11.990	11.990	0.000	91	528451	50.0	50.3	
143 1,1,2,2-Tetrachloroethane	83	12.100	12.100	0.000	97	138609	10.0	10.7	
144 Bromobenzene	156	12.106	12.106	0.000	92	103319	10.0	10.8	
145 trans-1,4-Dichloro-2-butene	53	12.124	12.124	0.000	94	117008	25.0	26.2	
146 1,2,3-Trichloropropane	110	12.142	12.142	0.000	84	43541	10.0	10.6	
147 N-Propylbenzene	91	12.185	12.185	0.000	99	405453	10.0	10.6	
148 2-Chlorotoluene	126	12.258	12.258	0.000	97	93830	10.0	10.8	
149 1,3,5-Trimethylbenzene	105	12.319	12.319	0.000	94	296522	10.0	10.4	
150 4-Chlorotoluene	126	12.349	12.349	0.000	97	98142	10.0	10.9	
153 tert-Butylbenzene	134	12.562	12.562	0.000	93	52832	10.0	9.90	
155 1,2,4-Trimethylbenzene	105	12.605	12.611	-0.006	97	313421	10.0	10.5	
156 sec-Butylbenzene	105	12.726	12.726	0.000	93	349785	10.0	10.1	M
158 1,3-Dichlorobenzene	146	12.824	12.824	0.000	98	196357	10.0	10.8	
159 4-Isopropyltoluene	119	12.836	12.836	0.000	97	317401	10.0	10.1	
* 160 1,4-Dichlorobenzene-d4	152	12.885	12.885	0.000	94	644888	50.0	50.0	
161 1,4-Dichlorobenzene	146	12.897	12.903	-0.006	96	200767	10.0	10.6	
162 1,2,3-Trimethylbenzene	105	12.915	12.915	0.000	98	332567	10.0	10.6	
163 Benzyl chloride	91	12.976	12.976	0.000	98	292849	10.0	10.4	
164 1,3-Diethylbenzene	119	13.043	13.043	0.000	96	191906	10.0	10.3	
165 p-Diethylbenzene	119	13.116	13.116	0.000	94	203670	10.0	10.3	
166 n-Butylbenzene	92	13.134	13.134	0.000	97	159950	10.0	10.3	
167 1,2-Dichlorobenzene	146	13.158	13.158	0.000	99	198707	10.0	10.8	
168 o-diethylbenzene	119	13.183	13.183	0.000	96	157832	10.0	10.3	
170 1,2-Dibromo-3-Chloropropane	75	13.700	13.706	-0.006	87	42884	10.0	10.8	
171 1,3,5-Trichlorobenzene	180	13.834	13.834	0.000	98	138342	10.0	10.8	
172 1,2,4-Trichlorobenzene	180	14.259	14.259	0.000	95	136194	10.0	11.1	
173 2-Ethylhexyl acrylate	55	14.320	14.320	0.000	82	73890	10.0	9.95	
174 Hexachlorobutadiene	225	14.345	14.345	0.000	95	47699	10.0	10.5	
175 Naphthalene	128	14.436	14.436	0.000	97	526998	10.0	11.2	
176 1,2,3-Trichlorobenzene	180	14.582	14.582	0.000	97	134395	10.0	11.1	
177 2-Methylnaphthalene	142	15.184	15.184	0.000	91	233057	10.0	11.8	
S 186 Total Diethylbenzene	1				0			30.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00168	Amount Added:	2.00	Units: uL	
MSV_CCV_VOC#3_00164	Amount Added:	1.60	Units: uL	
MSV_CCV_2CEVE_00160	Amount Added:	2.00	Units: uL	
MSV_CCV_ETOH_00005	Amount Added:	8.00	Units: uL	
MSV_CCV_GASES_00717	Amount Added:	1.00	Units: uL	
MSV_CCV_CYC_00008	Amount Added:	8.00	Units: uL	
MSV_CCV_OH_Sp_00005	Amount Added:	2.00	Units: uL	
MSV_HP04_ISSS_00001	Amount Added:	1.00	Units: uL	Run Reagent

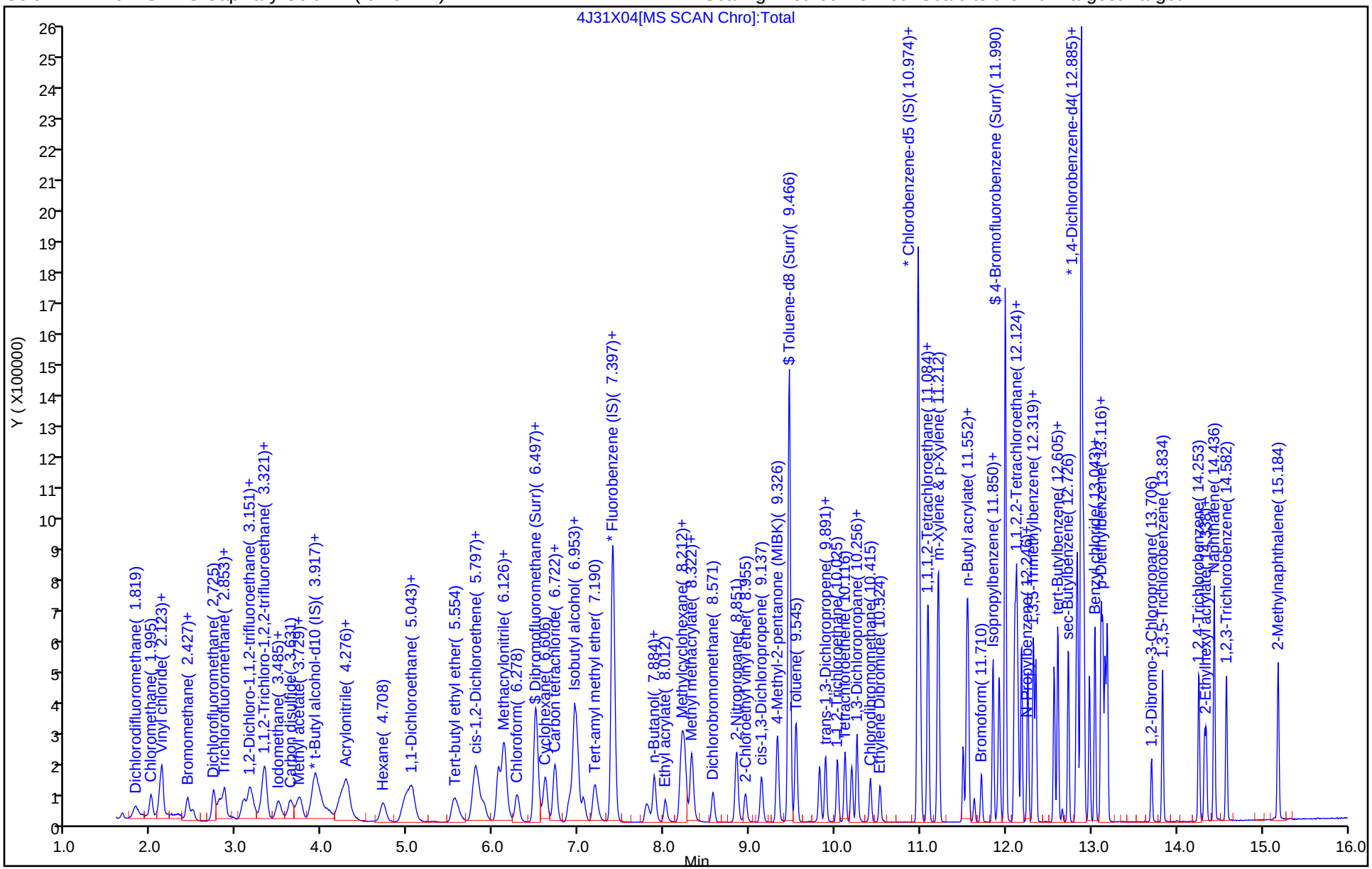
Report Date: 01-Feb-2024 16:11:09 Chrom Revision: 2.3 24-Jan-2024 12:19:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X04.D

Injection Date:	31-Jan-2024 12:18:30	Instrument ID:	23297	Operator ID:	knk41612
Lims ID:	IC v10			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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

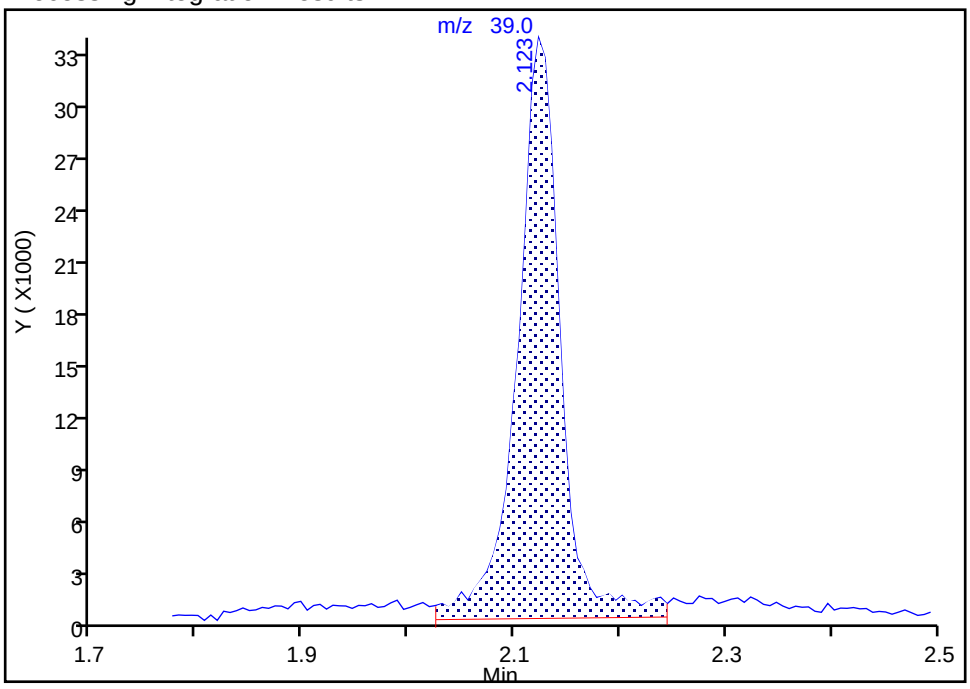
Data File:	\\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X04.D				
Injection Date:	31-Jan-2024 12:18:30	Instrument ID:	23297		
Lims ID:	IC v10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

6 Butadiene, CAS: 106-99-0

Signal: 1

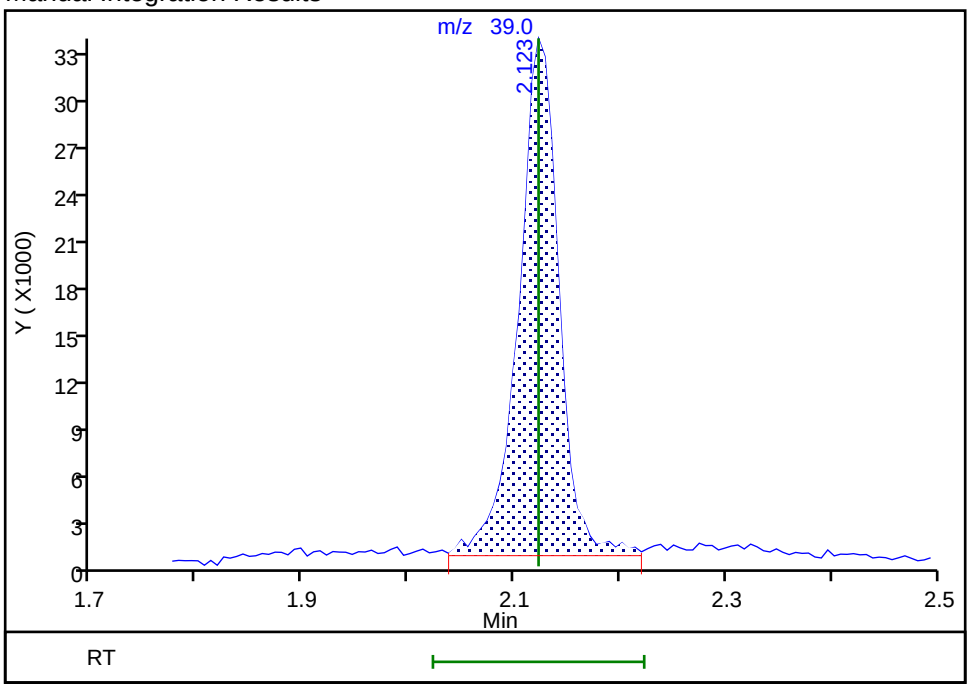
Processing Integration Results

RT: 2.12
Area: 95726
Amount: 9.035878
Amount Units: ug/l



Manual Integration Results

RT: 2.12
Area: 87427
Amount: 9.265949
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:20:37 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

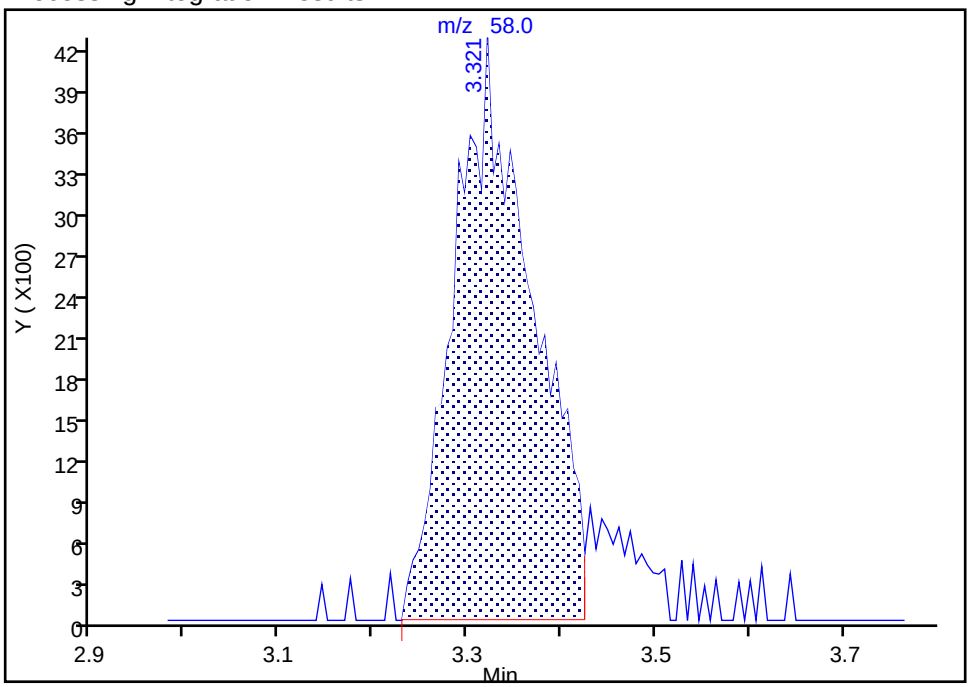
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X04.D
Injection Date: 31-Jan-2024 12:18:30 Instrument ID: 23297
Lims ID: IC v10
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

18 Acetone, CAS: 67-64-1

Signal: 1

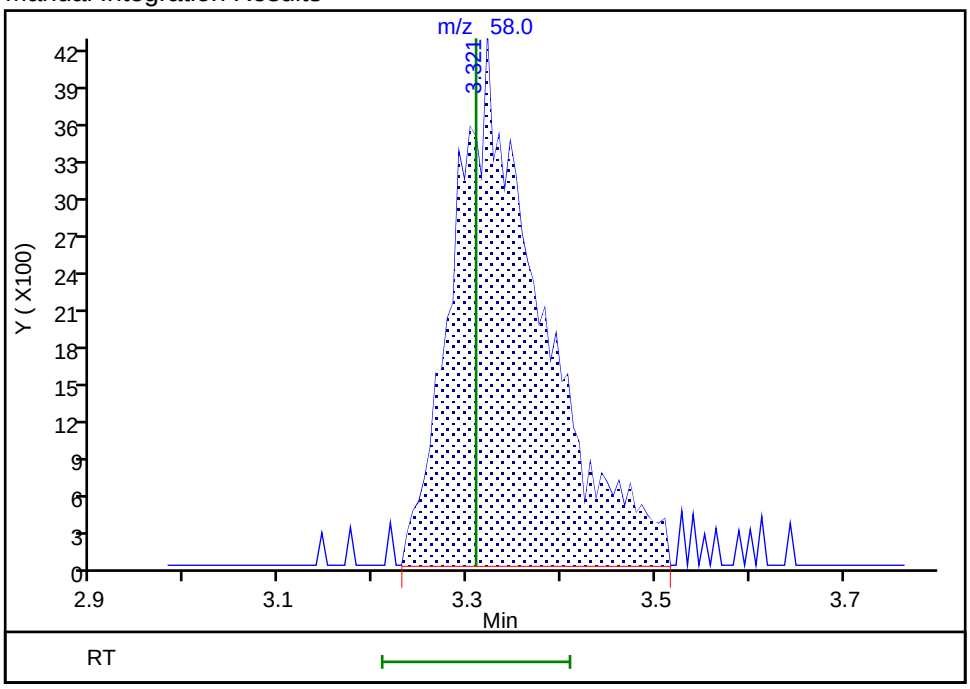
Processing Integration Results

RT: 3.32
Area: 24655
Amount: 17.847433
Amount Units: ug/l



Manual Integration Results

RT: 3.32
Area: 27376
Amount: 18.990463
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:20:48 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

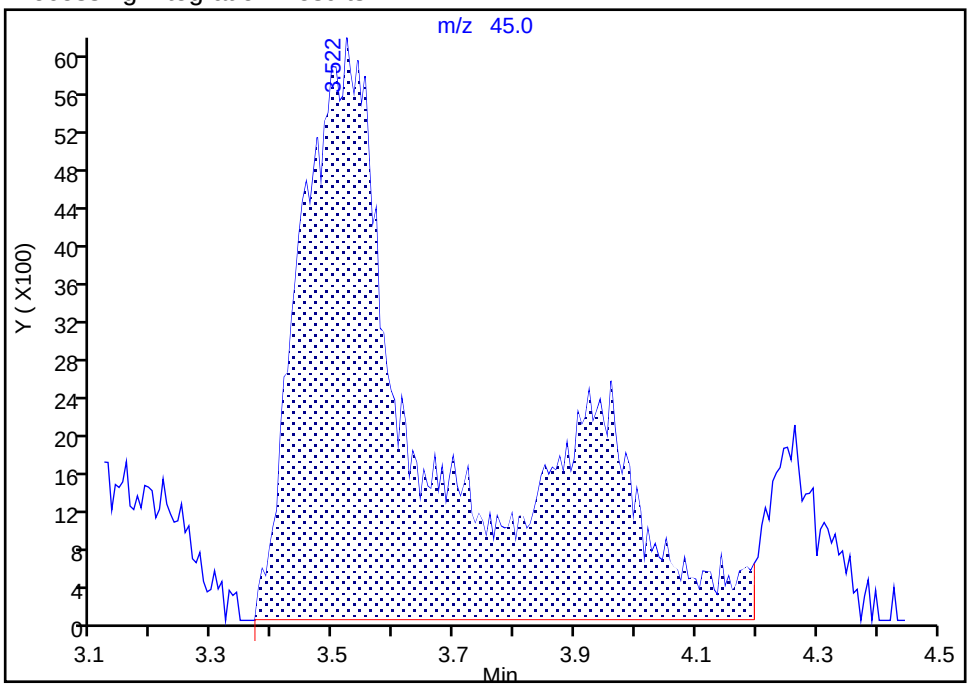
Data File:	\\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X04.D				
Injection Date:	31-Jan-2024 12:18:30	Instrument ID:	23297		
Lims ID:	IC v10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

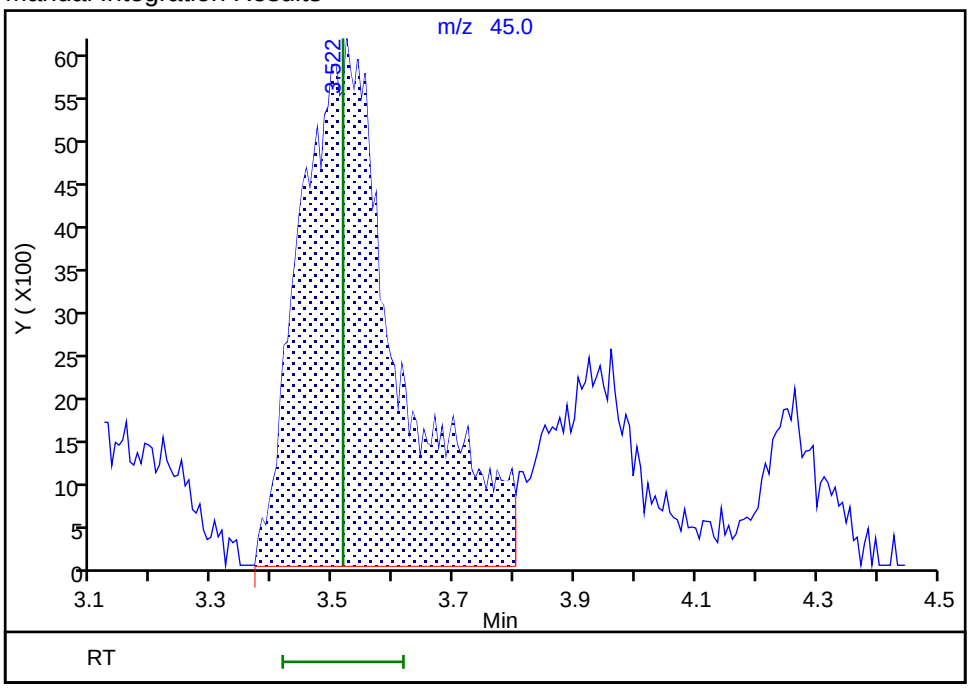
Processing Integration Results

RT: 3.52
Area: 96105
Amount: 72.526298
Amount Units: ug/l



Manual Integration Results

RT: 3.52
Area: 69168
Amount: 56.272150
Amount Units: ug/l



Reviewer: DVW2, 31-Jan-2024 14:25:18 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

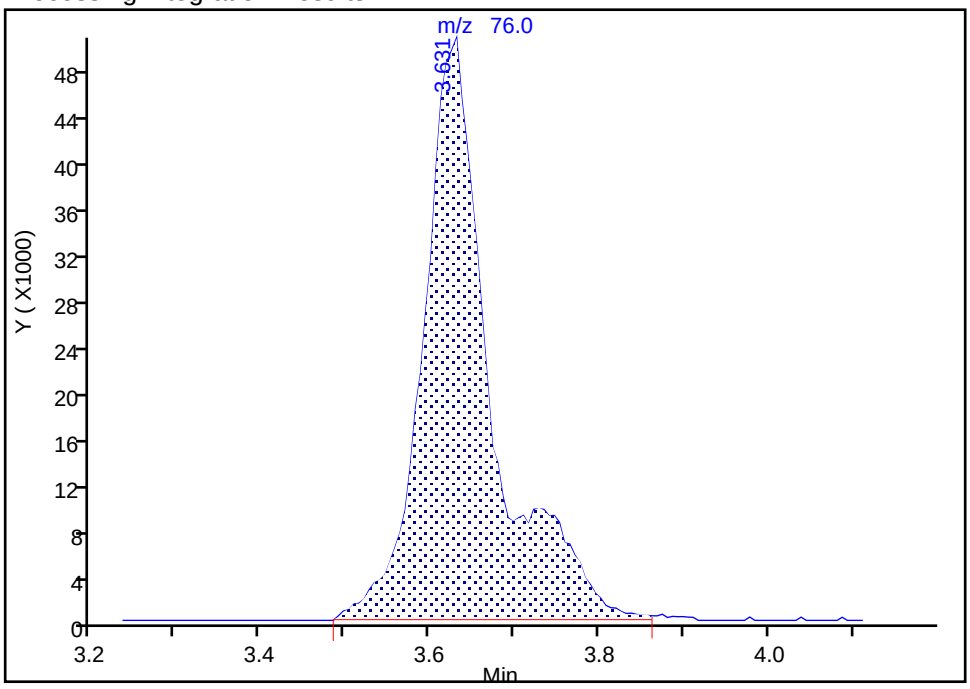
Data File:	\\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X04.D				
Injection Date:	31-Jan-2024 12:18:30	Instrument ID:	23297		
Lims ID:	IC v10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

22 Carbon disulfide, CAS: 75-15-0

Signal: 1

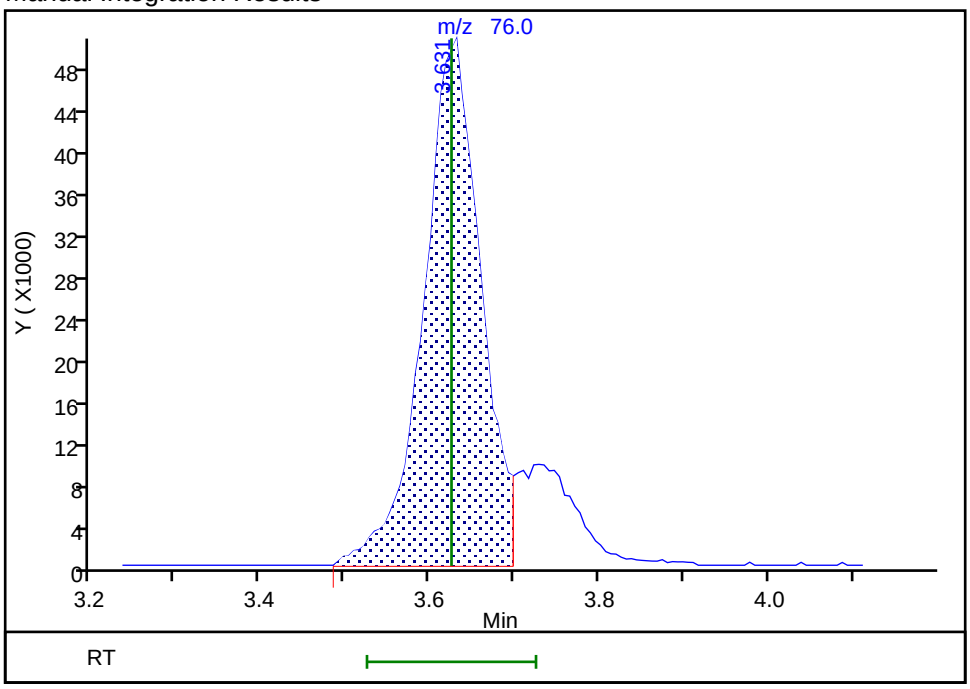
Processing Integration Results

RT: 3.63
Area: 286184
Amount: 11.439619
Amount Units: ug/l



Manual Integration Results

RT: 3.63
Area: 240382
Amount: 10.354924
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:20:59 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

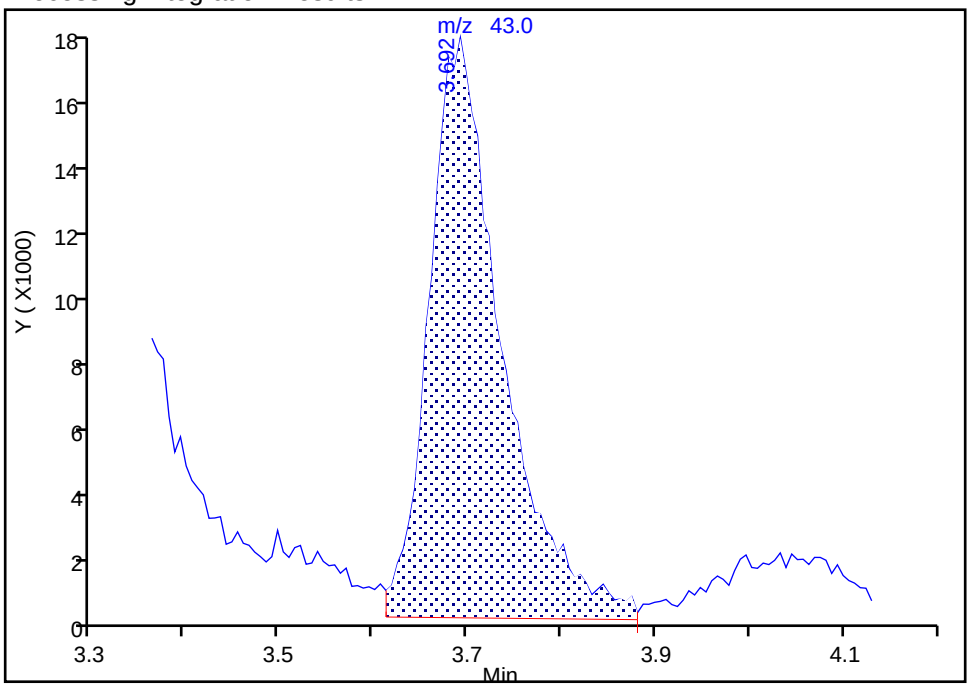
Data File:	\\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X04.D				
Injection Date:	31-Jan-2024 12:18:30	Instrument ID:	23297		
Lims ID:	IC v10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

24 Methyl acetate, CAS: 79-20-9

Signal: 1

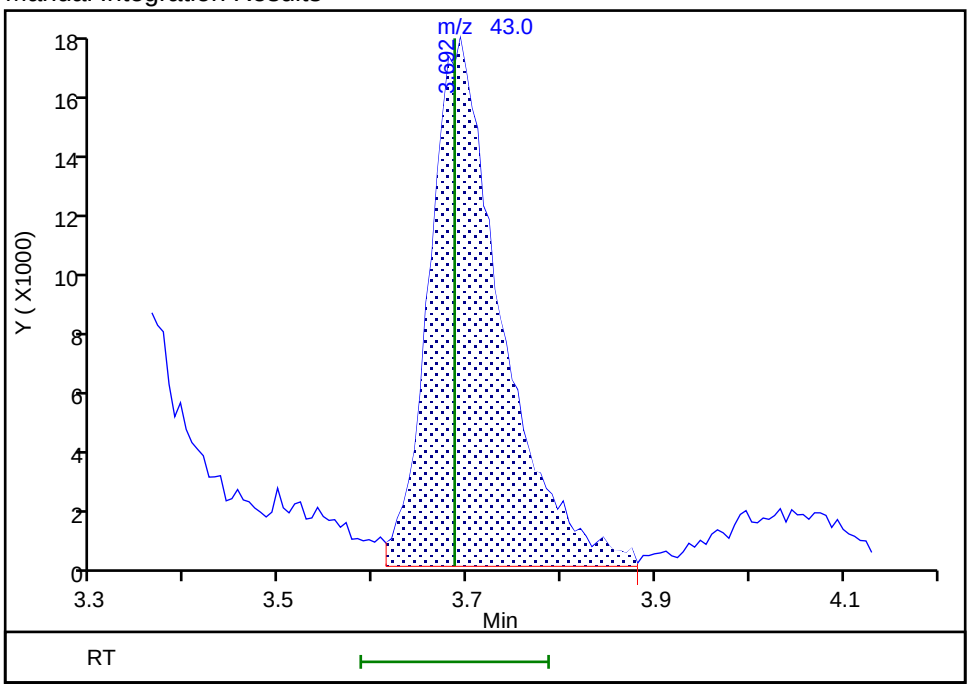
Processing Integration Results

RT: 3.69
Area: 90324
Amount: 10.509261
Amount Units: ug/l



Manual Integration Results

RT: 3.69
Area: 88353
Amount: 10.413372
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:21:20 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

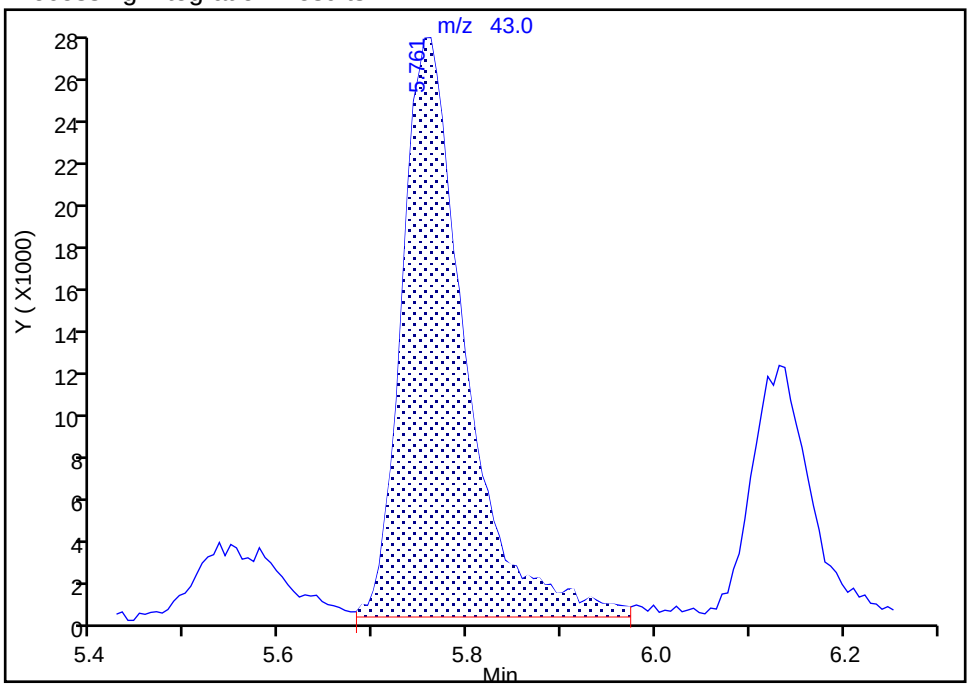
Data File:	\\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X04.D				
Injection Date:	31-Jan-2024 12:18:30	Instrument ID:	23297		
Lims ID:	IC v10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

40 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

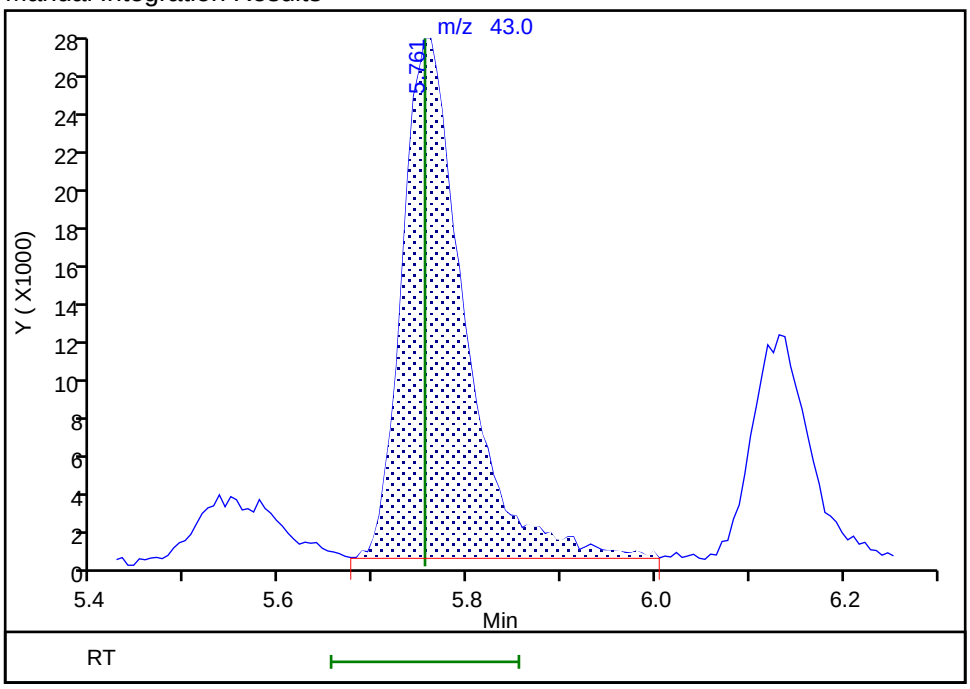
Processing Integration Results

RT: 5.76
Area: 129480
Amount: 19.022575
Amount Units: ug/l



Manual Integration Results

RT: 5.76
Area: 126476
Amount: 18.640002
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:21:56 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

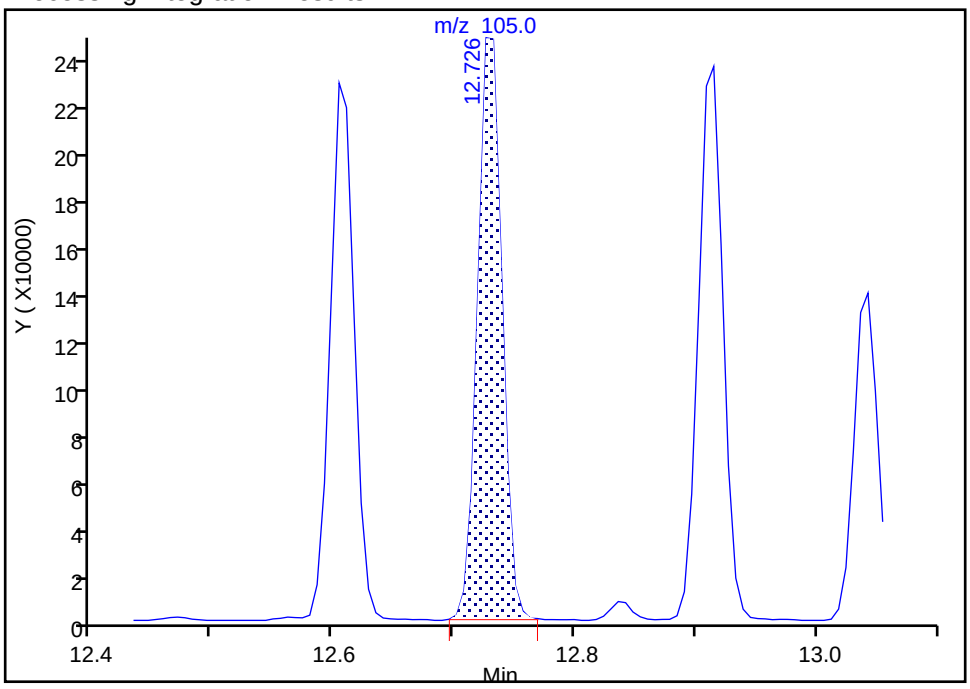
Data File:	\\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X04.D				
Injection Date:	31-Jan-2024 12:18:30	Instrument ID:	23297		
Lims ID:	IC v10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

156 sec-Butylbenzene, CAS: 135-98-8

Signal: 1

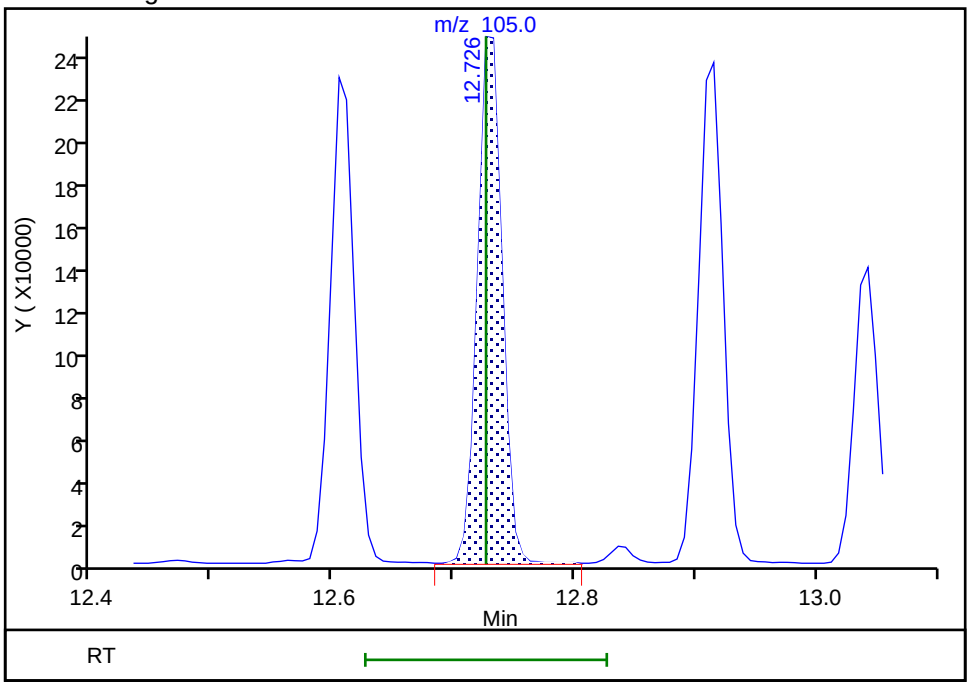
Processing Integration Results

RT: 12.73
Area: 347064
Amount: 9.986615
Amount Units: ug/l



Manual Integration Results

RT: 12.73
Area: 349785
Amount: 10.053666
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:22:50 -05:00:00 (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\20240131-105215.b\4J31X05.D
Lims ID: IC v20
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 31-Jan-2024 12:40:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0105215-006
Misc. Info.: ic v20
Operator ID: knk41612 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub95

Method: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 01-Feb-2024 16:11:15 Calib Date: 31-Jan-2024 13:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1617

First Level Reviewer: DVW2 Date: 31-Jan-2024 14:27:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.812	1.812	0.000	99	244121	20.0	22.8	
4 Chloromethane	50	1.995	1.995	0.000	100	224071	20.0	21.4	
5 Vinyl chloride	62	2.098	2.098	0.000	99	225584	20.0	22.1	
6 Butadiene	39	2.123	2.123	0.000	91	208489	20.0	21.7	M
8 Bromomethane	94	2.421	2.421	0.000	91	169787	20.0	22.0	M
9 Chloroethane	64	2.482	2.482	0.000	99	117869	20.0	22.0	
10 Dichlorofluoromethane	67	2.725	2.725	0.000	98	364996	20.0	22.5	
11 Trichlorofluoromethane	101	2.792	2.792	0.000	97	283459	20.0	23.0	
12 Pentane	43	2.853	2.853	0.000	96	274705	20.0	22.6	
13 Ethanol	45	2.926	2.926	0.000	80	136543	999.9	1075.5	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.084	3.084	0.000	90	176513	20.0	22.0	
16 Acrolein	56	3.151	3.151	0.000	99	629509	200.0	223.7	
18 Acetone	58	3.315	3.315	0.000	48	66101	40.0	47.4	M
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.309	3.309	0.000	79	150889	20.0	21.7	
17 1,1-Dichloroethene	96	3.327	3.327	0.000	98	146507	20.0	21.3	
21 Iodomethane	142	3.485	3.485	0.000	98	297884	20.0	21.7	
20 Isopropyl alcohol	45	3.516	3.516	0.000	27	126759	100.0	106.7	M
22 Carbon disulfide	76	3.619	3.619	0.000	99	505123	20.0	21.4	
24 Methyl acetate	43	3.686	3.686	0.000	98	177996	20.0	20.6	M
26 3-Chloro-1-propene	41	3.729	3.729	0.000	88	221227	20.0	20.7	
27 Methylene Chloride	84	3.911	3.911	0.000	89	166480	20.0	21.7	
* 28 t-Butyl alcohol-d10 (IS)	65	3.929	3.929	0.000	93	518146	250.0	250.0	
29 2-Methyl-2-propanol	59	4.039	4.039	0.000	98	242331	100.0	108.2	M
30 Acrylonitrile	53	4.203	4.203	0.000	99	259051	50.0	53.0	
31 Methyl tert-butyl ether	73	4.258	4.258	0.000	94	437202	20.0	21.5	
32 trans-1,2-Dichloroethene	96	4.282	4.282	0.000	99	151645	20.0	21.6	
34 Hexane	57	4.708	4.708	0.000	93	180959	20.0	21.4	
35 1,1-Dichloroethane	63	4.951	4.951	0.000	96	249025	20.0	21.4	
37 Isopropyl ether	45	5.006	5.006	0.000	96	401391	20.0	21.7	
38 2-Chloro-1,3-butadiene	53	5.061	5.061	0.000	91	203649	20.0	21.5	

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	5.542	5.542	0.000	97	405544	20.0	21.7	
40 2-Butanone (MEK)	43	5.755	5.755	0.000	99	302548	40.0	43.8	
41 cis-1,2-Dichloroethene	96	5.785	5.785	0.000	82	161646	20.0	21.3	
42 2,2-Dichloropropane	77	5.809	5.809	0.000	86	235901	20.0	21.4	
44 Propionitrile	54	5.846	5.846	0.000	95	237154	100.0	106.5	
45 Methyl acrylate	55	5.888	5.888	0.000	99	235343	20.0	21.1	
47 Methacrylonitrile	67	6.065	6.065	0.000	92	242680	50.0	52.5	
48 Chlorobromomethane	128	6.120	6.120	0.000	83	85998	20.0	21.2	
49 Tetrahydrofuran	71	6.132	6.132	0.000	86	212218	100.0	105.7	
S 46 1,2-Dichloroethene, Total	100				0			43.0	
50 Chloroform	83	6.278	6.278	0.000	93	254410	20.0	19.2	
$ 51 Dibromofluoromethane (Surr)	113	6.497	6.497	0.000	94	328933	50.0	50.0	
52 1,1,1-Trichloroethane	97	6.509	6.509	0.000	96	241963	20.0	21.9	
53 Cyclohexane	56	6.606	6.606	0.000	90	260162	20.0	21.9	
54 Carbon tetrachloride	117	6.722	6.722	0.000	96	210830	20.0	21.7	
55 1,1-Dichloropropene	75	6.722	6.722	0.000	93	173809	20.0	21.6	
56 Isobutyl alcohol	41	6.904	6.904	0.000	93	197202	250.0	257.5	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.953	6.953	0.000	93	73534	50.0	49.8	
58 Benzene	78	6.983	6.983	0.000	97	523610	20.0	21.3	
59 1,2-Dichloroethane	62	7.056	7.056	0.000	98	189808	20.0	21.0	
61 Tert-amyl methyl ether	73	7.184	7.184	0.000	98	410134	20.0	21.7	
* 62 Fluorobenzene (IS)	96	7.397	7.397	0.000	99	1234580	50.0	50.0	
63 n-Heptane	43	7.421	7.421	0.000	93	180717	20.0	22.4	
64 n-Butanol	56	7.786	7.786	0.000	90	153276	250.0	265.0	
66 Trichloroethene	95	7.884	7.884	0.000	98	140026	20.0	21.5	
67 Ethyl acrylate	55	8.012	8.012	0.000	99	251961	20.0	21.7	
68 Methylcyclohexane	83	8.200	8.200	0.000	90	276064	20.0	22.6	
69 1,2-Dichloropropane	63	8.218	8.218	0.000	93	133878	20.0	21.3	
70 2-ethoxy-2-methyl butane	87	8.243	8.243	0.000	94	215740	20.0	21.6	
72 Methyl methacrylate	69	8.316	8.316	0.000	89	148712	20.0	21.2	
73 1,4-Dioxane	88	8.316	8.316	0.000	34	41702	250.0	281.4	
74 Dibromomethane	93	8.334	8.334	0.000	96	103939	20.0	21.2	
75 Dichlorobromomethane	83	8.571	8.571	0.000	99	174848	20.0	21.0	
76 2-Nitropropane	41	8.845	8.845	0.000	99	395603	100.0	102.0	
77 2-Chloroethyl vinyl ether	63	8.948	8.948	0.000	92	118715	20.0	22.1	
78 cis-1,3-Dichloropropene	75	9.143	9.143	0.000	95	230853	20.0	21.5	
79 4-Methyl-2-pentanone (MIBK)	43	9.326	9.326	0.000	97	569325	40.0	45.0	
$ 80 Toluene-d8 (Surr)	98	9.465	9.465	0.000	93	1265031	50.0	50.1	
81 Toluene	92	9.545	9.545	0.000	98	343998	20.0	21.0	
82 trans-1,3-Dichloropropene	75	9.818	9.818	0.000	93	233681	20.0	21.1	
100 Ethyl methacrylate	69	9.891	9.891	0.000	91	248268	20.0	21.0	
118 1,1,2-Trichloroethane	97	10.031	10.031	0.000	90	144076	20.0	21.1	
S 114 1,3-Dichloropropene, Total	100				0			42.7	
119 Tetrachloroethene	166	10.116	10.116	0.000	98	157780	20.0	21.5	
120 1,3-Dichloropropane	76	10.196	10.196	0.000	91	225748	20.0	20.9	
123 2-Hexanone	43	10.256	10.256	0.000	97	471806	40.0	45.4	
125 Chlorodibromomethane	129	10.415	10.415	0.000	89	162898	20.0	20.9	
127 Ethylene Dibromide	107	10.524	10.524	0.000	98	171181	20.0	20.9	
* 128 Chlorobenzene-d5 (IS)	117	10.974	10.974	0.000	85	1025591	50.0	50.0	
129 1-Chlorohexane	91	10.986	10.986	0.000	96	189710	20.0	20.9	
130 Chlorobenzene	112	10.999	10.999	0.000	96	422066	20.0	21.2	
131 1,1,1,2-Tetrachloroethane	131	11.084	11.084	0.000	96	156897	20.0	21.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
132 Ethylbenzene	91	11.090	11.090	0.000	98	709257	20.0	21.6	
134 m-Xylene & p-Xylene	106	11.205	11.205	0.000	100	563991	40.0	43.3	
S 133 Xylenes, Total	106				0			64.8	
135 n-Butyl acrylate	55	11.497	11.497	0.000	97	342710	20.0	21.9	
136 o-Xylene	106	11.540	11.540	0.000	96	292069	20.0	21.5	
137 Styrene	104	11.558	11.558	0.000	95	483584	20.0	21.5	
138 Bromoform	173	11.710	11.710	0.000	97	137395	20.0	20.4	
139 Isopropylbenzene	105	11.850	11.850	0.000	95	690861	20.0	22.0	
141 Cyclohexanone	55	11.923	11.923	0.000	93	372257	500.0	689.6	
$ 142 4-Bromofluorobenzene (Surr)	95	11.990	11.990	0.000	92	531264	50.0	49.8	
143 1,1,2,2-Tetrachloroethane	83	12.100	12.100	0.000	95	275653	20.0	21.0	
144 Bromobenzene	156	12.106	12.106	0.000	92	206991	20.0	21.3	
145 trans-1,4-Dichloro-2-butene	53	12.124	12.124	0.000	91	240096	50.0	53.0	
146 1,2,3-Trichloropropane	110	12.142	12.142	0.000	83	86349	20.0	20.8	
147 N-Propylbenzene	91	12.185	12.185	0.000	98	859844	20.0	22.1	
148 2-Chlorotoluene	126	12.258	12.258	0.000	97	186794	20.0	21.2	
149 1,3,5-Trimethylbenzene	105	12.319	12.319	0.000	93	627846	20.0	21.7	
150 4-Chlorotoluene	126	12.349	12.349	0.000	97	195426	20.0	21.4	
153 tert-Butylbenzene	134	12.568	12.568	0.000	93	117289	20.0	21.7	
155 1,2,4-Trimethylbenzene	105	12.611	12.611	0.000	97	654273	20.0	21.6	
156 sec-Butylbenzene	105	12.732	12.732	0.000	94	790802	20.0	22.4	
158 1,3-Dichlorobenzene	146	12.824	12.824	0.000	98	394343	20.0	21.4	
159 4-Isopropyltoluene	119	12.842	12.842	0.000	97	705686	20.0	22.3	
* 160 1,4-Dichlorobenzene-d4	152	12.884	12.884	0.000	93	653497	50.0	50.0	
161 1,4-Dichlorobenzene	146	12.903	12.903	0.000	95	411266	20.0	21.4	
162 1,2,3-Trimethylbenzene	105	12.915	12.915	0.000	98	685168	20.0	21.6	
163 Benzyl chloride	91	12.976	12.976	0.000	99	610380	20.0	21.5	
164 1,3-Diethylbenzene	119	13.043	13.043	0.000	95	422306	20.0	22.3	
165 p-Diethylbenzene	119	13.116	13.116	0.000	94	448746	20.0	22.4	
166 n-Butylbenzene	92	13.134	13.134	0.000	97	351382	20.0	22.3	
167 1,2-Dichlorobenzene	146	13.158	13.158	0.000	99	398119	20.0	21.4	
168 o-diethylbenzene	119	13.183	13.183	0.000	95	345313	20.0	22.3	
170 1,2-Dibromo-3-Chloropropane	75	13.706	13.706	0.000	87	86624	20.0	21.5	
171 1,3,5-Trichlorobenzene	180	13.833	13.833	0.000	98	288275	20.0	22.2	
172 1,2,4-Trichlorobenzene	180	14.259	14.259	0.000	94	287236	20.0	23.2	
173 2-Ethylhexyl acrylate	55	14.326	14.326	0.000	81	182747	20.0	24.3	
174 Hexachlorobutadiene	225	14.345	14.345	0.000	96	109000	20.0	23.6	
175 Naphthalene	128	14.436	14.436	0.000	97	1053203	20.0	22.1	
176 1,2,3-Trichlorobenzene	180	14.582	14.582	0.000	96	271757	20.0	22.2	
177 2-Methylnaphthalene	142	15.184	15.184	0.000	92	473041	20.0	23.6	
S 186 Total Diethylbenzene	1				0			67.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00168	Amount Added:	4.00	Units: uL	
MSV_CCV_VOC#3_00164	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00160	Amount Added:	4.00	Units: uL	
MSV_CCV_ETOH_00005	Amount Added:	16.00	Units: uL	
MSV_CCV_GASES_00717	Amount Added:	2.00	Units: uL	
MSV_CCV_CYC_00008	Amount Added:	16.00	Units: uL	
MSV_CCV_OH_Sp_00005	Amount Added:	4.00	Units: uL	
MSV_HP04_ISSS_00001	Amount Added:	1.00	Units: uL	Run Reagent

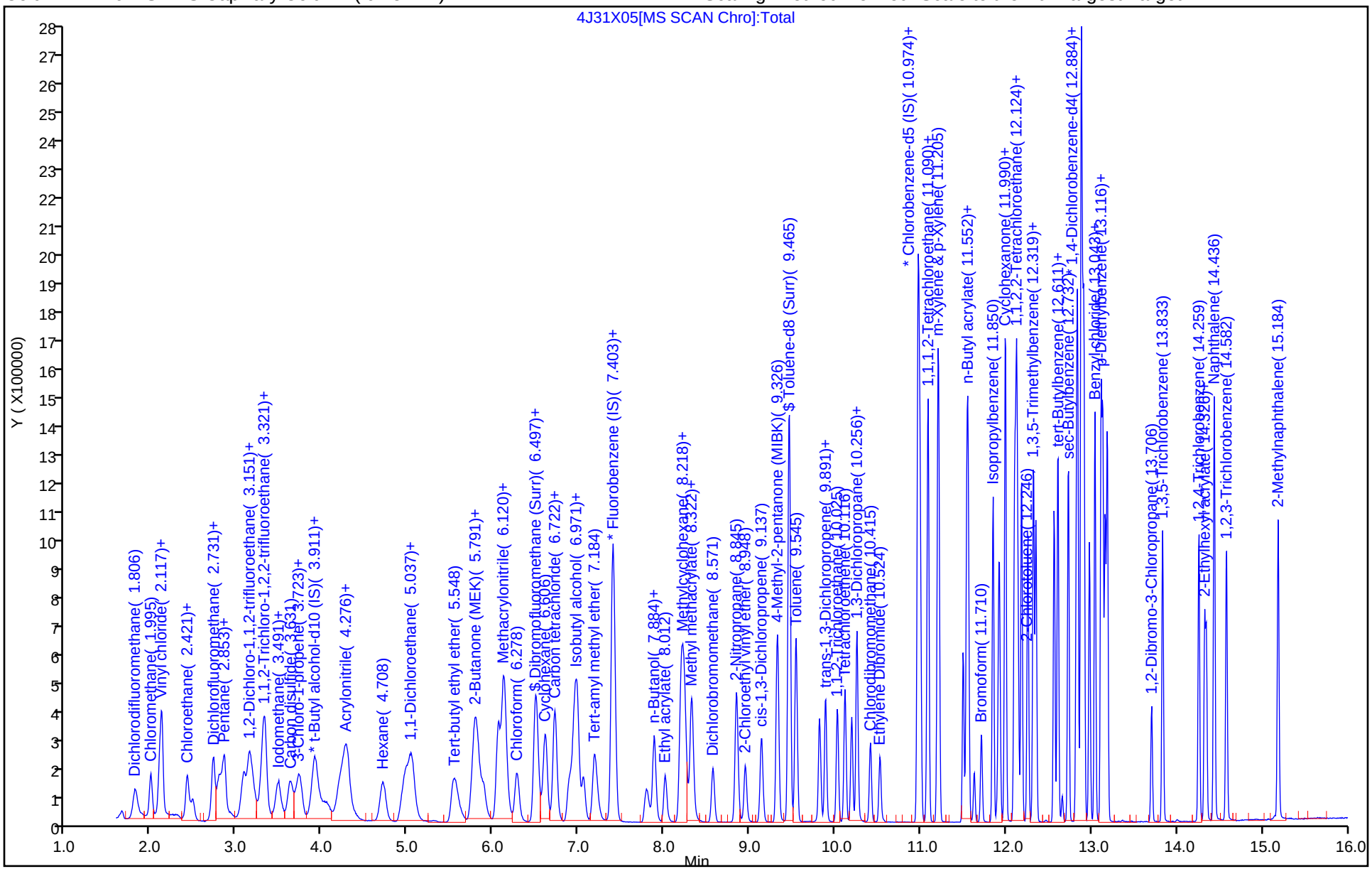
Report Date: 01-Feb-2024 16:11:16 Chrom Revision: 2.3 24-Jan-2024 12:19:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X05.D

Injection Date:	31-Jan-2024 12:40:30	Instrument ID:	23297	Operator ID:	knk41612
Lims ID:	IC v20			Worklist Smp#:	6
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

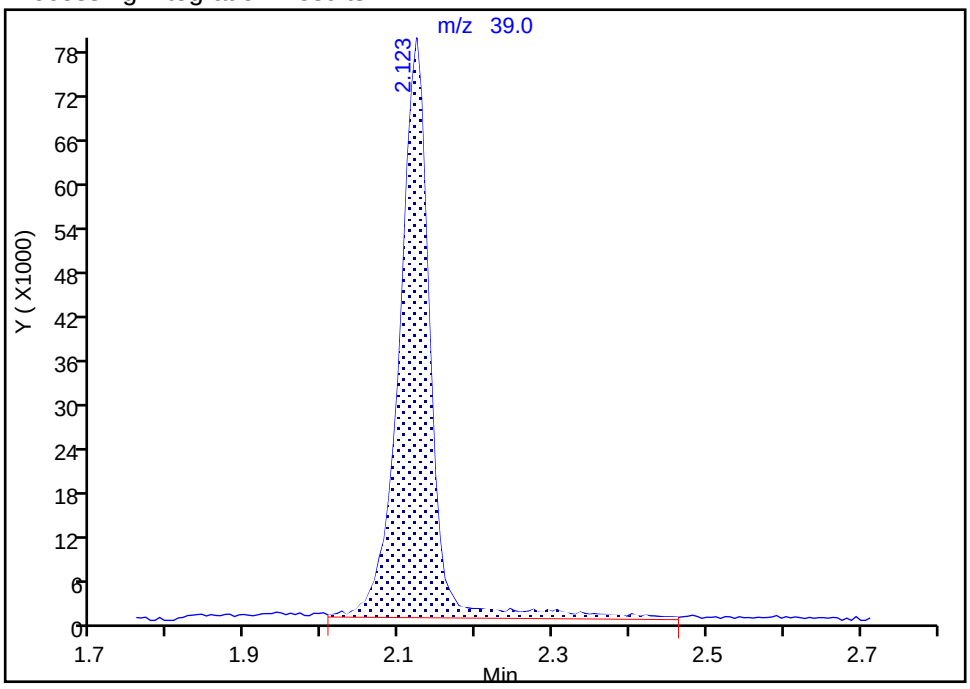
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X05.D
Injection Date: 31-Jan-2024 12:40:30 Instrument ID: 23297
Lims ID: IC v20
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

6 Butadiene, CAS: 106-99-0

Signal: 1

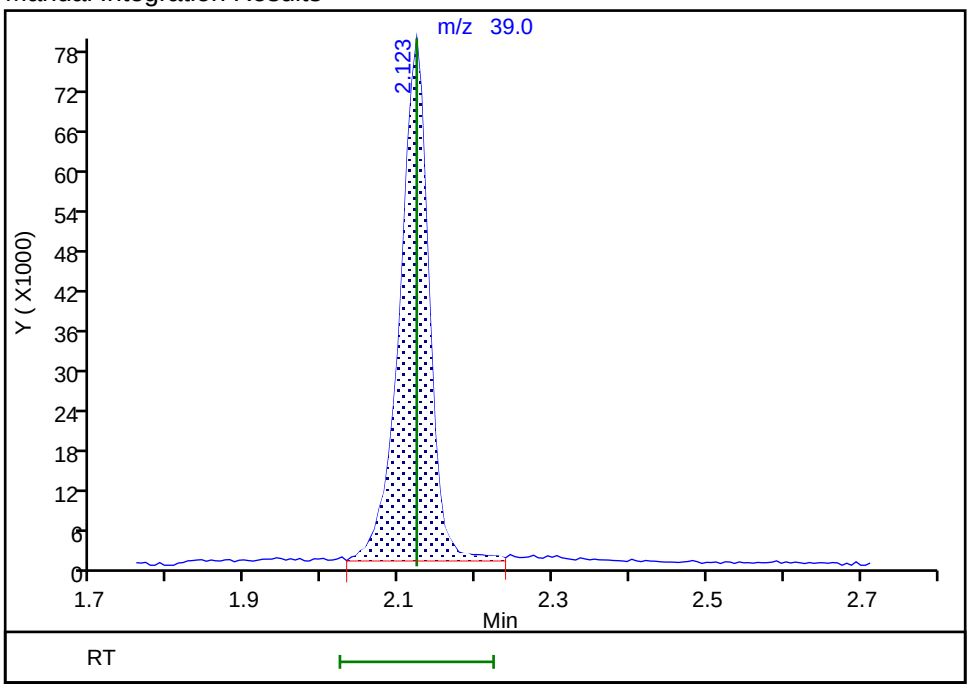
Processing Integration Results

RT: 2.12
Area: 220643
Amount: 22.975428
Amount Units: ug/l



Manual Integration Results

RT: 2.12
Area: 208489
Amount: 21.715580
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:23:33 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

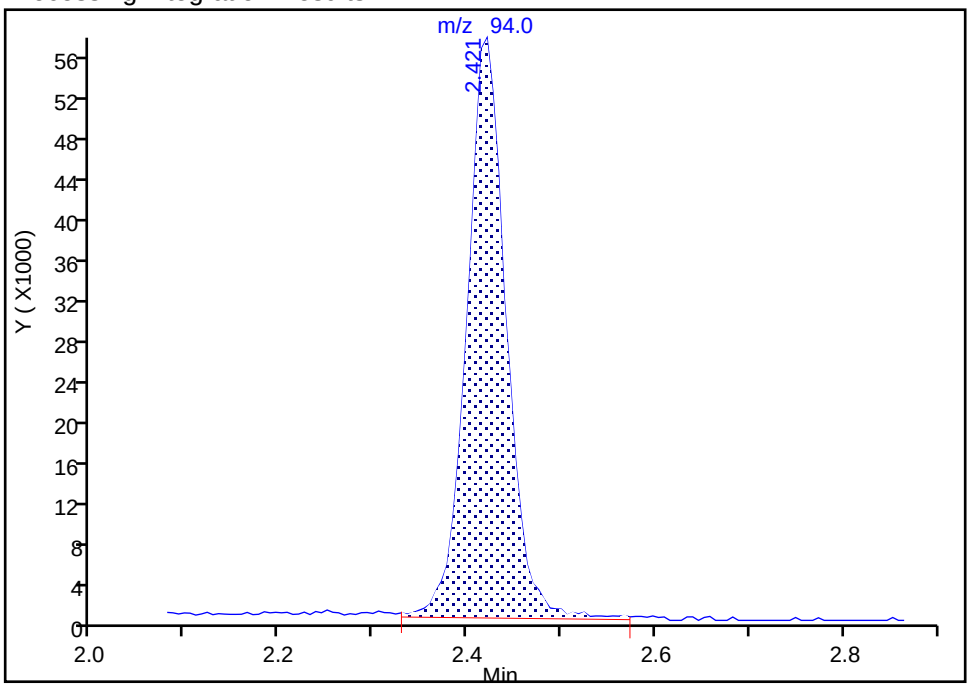
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X05.D
Injection Date: 31-Jan-2024 12:40:30 Instrument ID: 23297
Lims ID: IC v20
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

8 Bromomethane, CAS: 74-83-9

Signal: 1

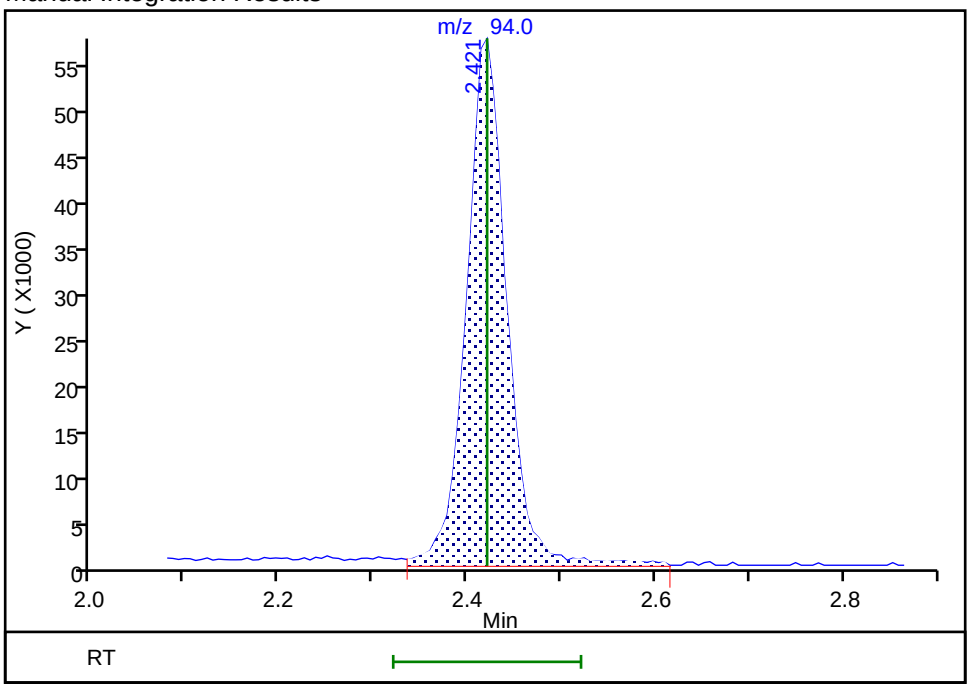
Processing Integration Results

RT: 2.42
Area: 166422
Amount: 21.863307
Amount Units: ug/l



Manual Integration Results

RT: 2.42
Area: 169787
Amount: 21.952834
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:23:57 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

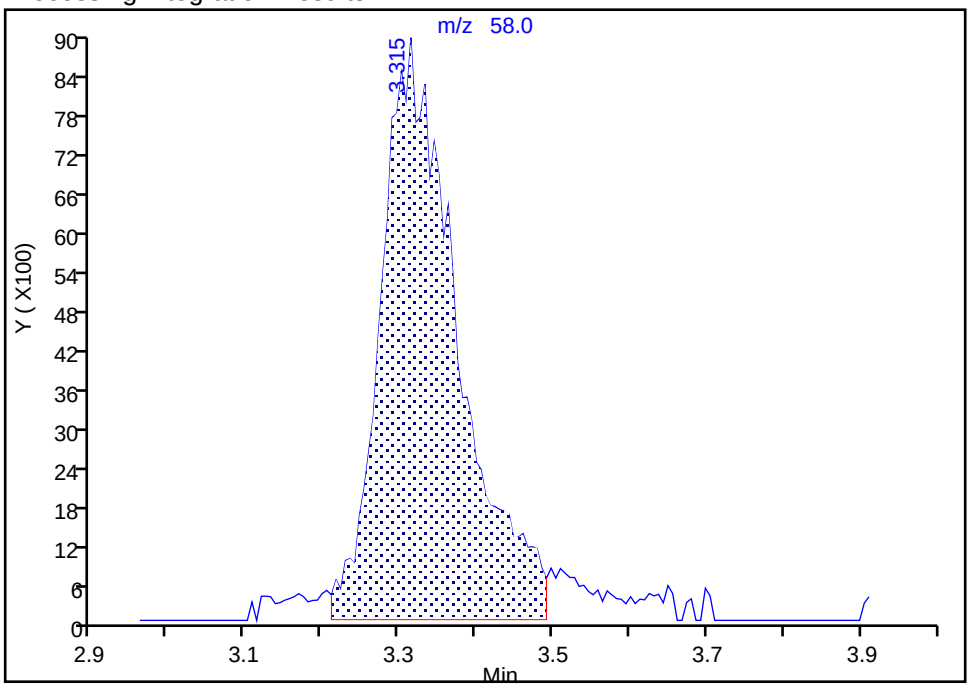
Data File:	\\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X05.D				
Injection Date:	31-Jan-2024 12:40:30	Instrument ID:	23297		
Lims ID:	IC v20				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

18 Acetone, CAS: 67-64-1

Signal: 1

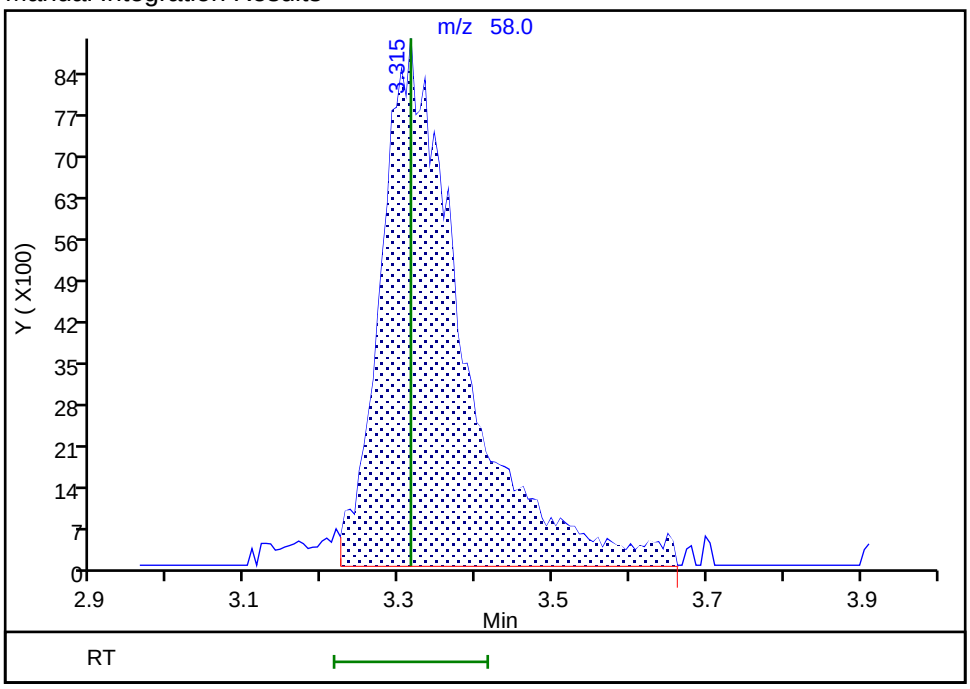
Processing Integration Results

RT: 3.32
Area: 61960
Amount: 45.744838
Amount Units: ug/l



Manual Integration Results

RT: 3.32
Area: 66101
Amount: 47.424324
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:24:23 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

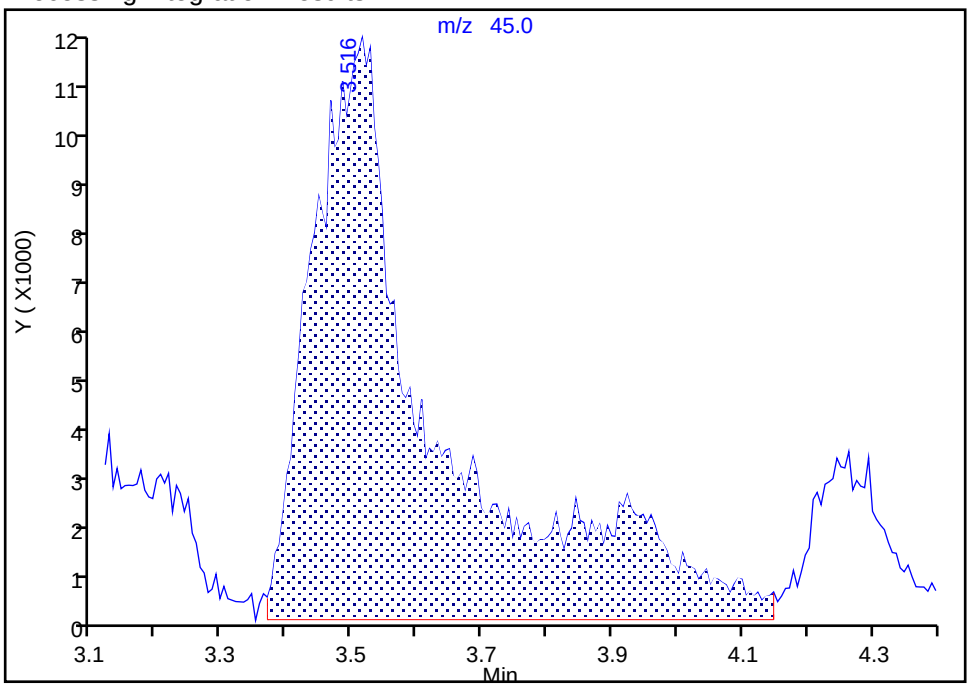
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X05.D
Injection Date: 31-Jan-2024 12:40:30 Instrument ID: 23297
Lims ID: IC v20
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

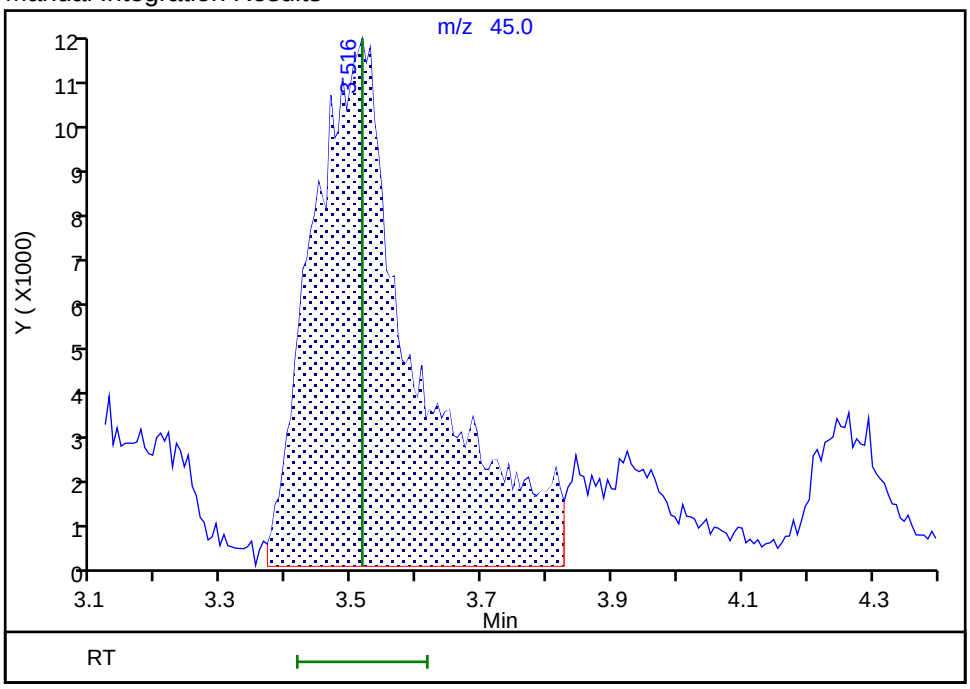
Processing Integration Results

RT: 3.52
Area: 152216
Amount: 126.1315
Amount Units: ug/l



Manual Integration Results

RT: 3.52
Area: 126759
Amount: 106.6583
Amount Units: ug/l



Reviewer: DVW2, 31-Jan-2024 14:26:28 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

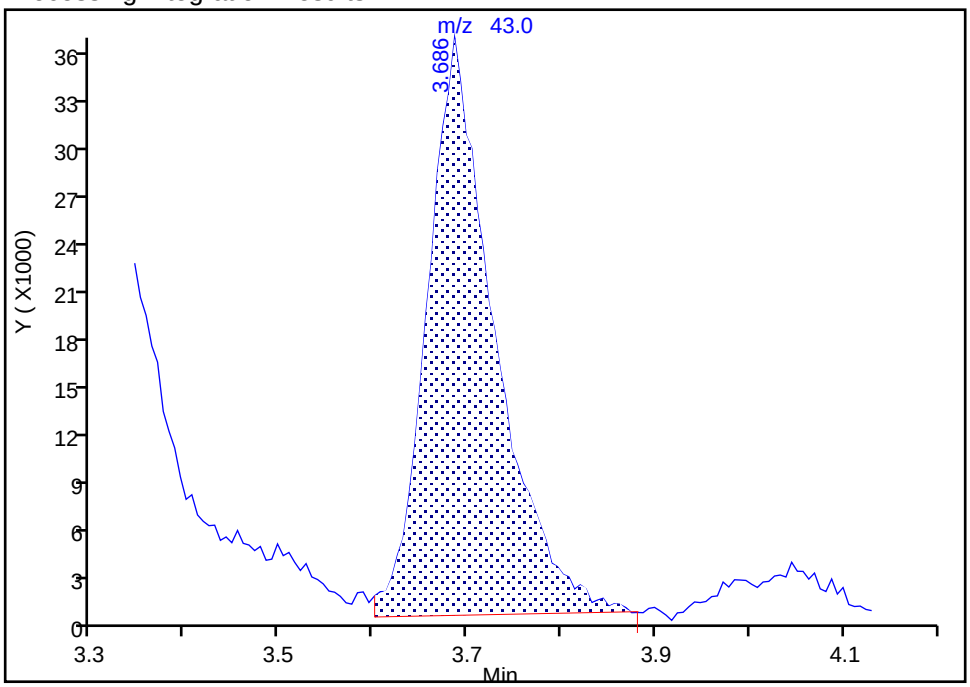
Data File:	\\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X05.D				
Injection Date:	31-Jan-2024 12:40:30	Instrument ID:	23297		
Lims ID:	IC v20				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

24 Methyl acetate, CAS: 79-20-9

Signal: 1

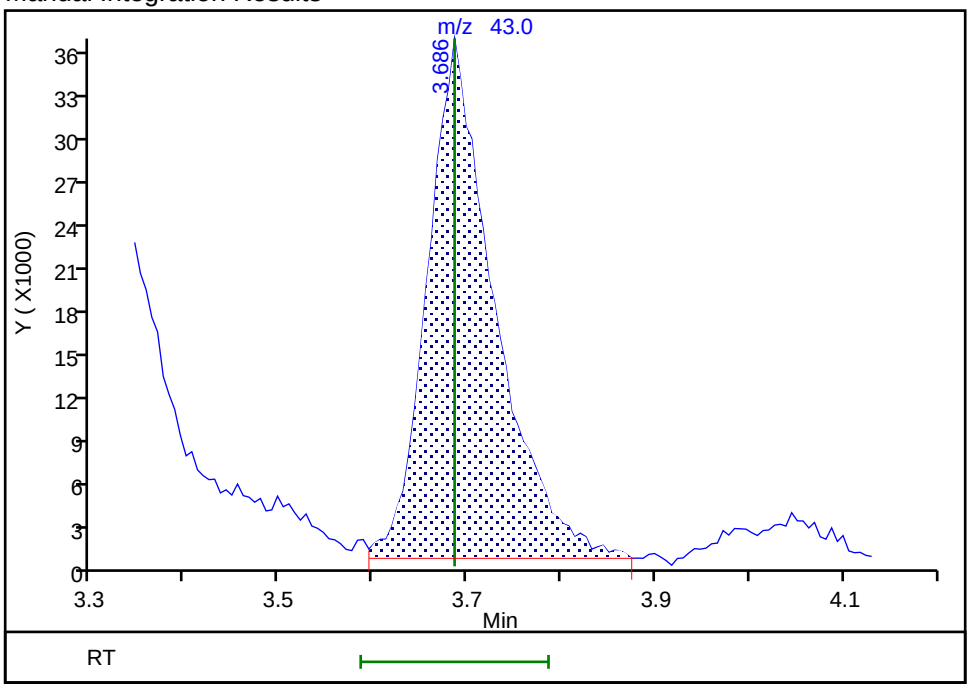
Processing Integration Results

RT: 3.69
Area: 177917
Amount: 20.410590
Amount Units: ug/l



Manual Integration Results

RT: 3.69
Area: 177996
Amount: 20.616942
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:24:53 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

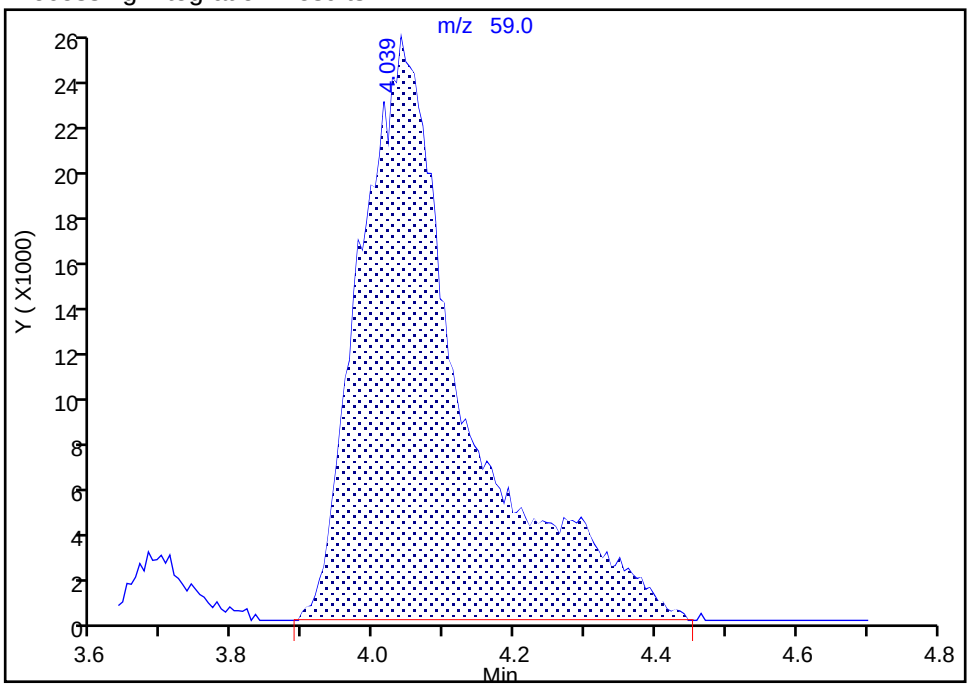
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X05.D
Injection Date: 31-Jan-2024 12:40:30 Instrument ID: 23297
Lims ID: IC v20
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

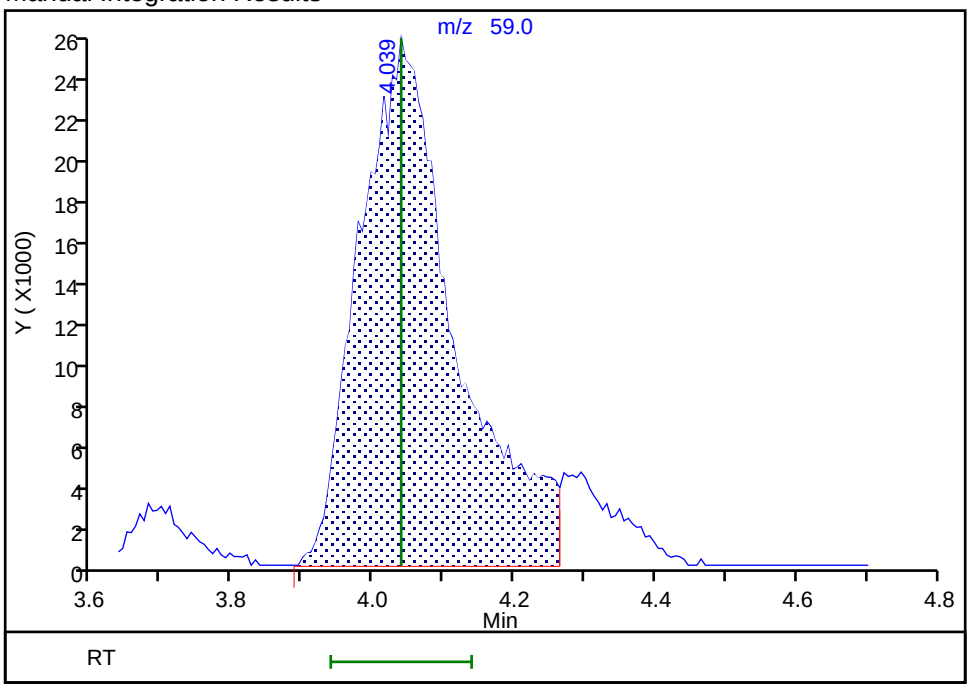
Processing Integration Results

RT: 4.04
Area: 266908
Amount: 110.8405
Amount Units: ug/l



Manual Integration Results

RT: 4.04
Area: 242331
Amount: 108.2233
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:25:04 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X06.D
Lims ID: ICIS v50
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 31-Jan-2024 13:03:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0105215-007
Misc. Info.: ic v50
Operator ID: knk41612 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub95

Method: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 01-Feb-2024 16:11:23 Calib Date: 31-Jan-2024 13:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1617

First Level Reviewer: DVW2 Date: 31-Jan-2024 14:13:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.812	1.812	0.000	99	599952	50.0	55.4	
4 Chloromethane	50	1.995	1.995	0.000	99	506067	50.0	47.6	
5 Vinyl chloride	62	2.098	2.098	0.000	98	524631	50.0	50.8	
6 Butadiene	39	2.123	2.123	0.000	93	498143	50.0	51.2	M
8 Bromomethane	94	2.421	2.421	0.000	91	382488	50.0	48.8	
9 Chloroethane	64	2.482	2.482	0.000	99	268453	50.0	49.5	
10 Dichlorofluoromethane	67	2.725	2.725	0.000	98	817067	50.0	49.8	
11 Trichlorofluoromethane	101	2.792	2.792	0.000	99	697274	50.0	55.9	
12 Pentane	43	2.853	2.853	0.000	96	679480	50.0	55.1	
13 Ethanol	45	2.938	2.938	0.000	58	168410	1249.9	1290.9	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.078	3.078	0.000	91	418671	50.0	51.5	
16 Acrolein	56	3.145	3.145	0.000	99	1437059	500.0	496.9	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.315	3.315	0.000	92	379877	50.0	54.0	
18 Acetone	58	3.309	3.309	0.000	87	150763	100.0	105.3	M
17 1,1-Dichloroethene	96	3.327	3.327	0.000	98	356547	50.0	51.3	
21 Iodomethane	142	3.485	3.485	0.000	98	708295	50.0	50.9	
20 Isopropyl alcohol	45	3.516	3.516	0.000	28	312118	250.0	255.6	M
22 Carbon disulfide	76	3.625	3.625	0.000	99	1263131	50.0	52.8	M
24 Methyl acetate	43	3.686	3.686	0.000	98	451003	50.0	51.6	
26 3-Chloro-1-propene	41	3.729	3.729	0.000	86	519526	50.0	47.9	
27 Methylene Chloride	84	3.911	3.911	0.000	90	388771	50.0	50.0	
* 28 t-Butyl alcohol-d10 (IS)	65	3.917	3.917	0.000	96	532448	250.0	250.0	
29 2-Methyl-2-propanol	59	4.045	4.045	0.000	99	533493	250.0	231.9	M
30 Acrylonitrile	53	4.191	4.191	0.000	99	606347	125.0	122.5	
31 Methyl tert-butyl ether	73	4.252	4.252	0.000	94	1006930	50.0	49.0	
32 trans-1,2-Dichloroethene	96	4.288	4.288	0.000	99	364586	50.0	51.4	
34 Hexane	57	4.708	4.708	0.000	93	460913	50.0	53.8	
35 1,1-Dichloroethane	63	4.945	4.945	0.000	96	594527	50.0	50.4	
37 Isopropyl ether	45	5.000	5.000	0.000	93	937346	50.0	50.0	
38 2-Chloro-1,3-butadiene	53	5.055	5.055	0.000	91	493410	50.0	51.4	

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	5.542	5.542	0.000	97	940008	50.0	49.6	
40 2-Butanone (MEK)	43	5.755	5.755	0.000	99	679553	100.0	97.2	
41 cis-1,2-Dichloroethene	96	5.791	5.791	0.000	83	384809	50.0	50.1	
42 2,2-Dichloropropane	77	5.803	5.803	0.000	88	561009	50.0	50.2	
44 Propionitrile	54	5.840	5.840	0.000	95	556054	250.0	243.1	
45 Methyl acrylate	55	5.888	5.888	0.000	100	539792	50.0	47.9	
47 Methacrylonitrile	67	6.059	6.059	0.000	92	573158	125.0	122.5	
48 Chlorobromomethane	128	6.120	6.120	0.000	87	208143	50.0	50.6	
49 Tetrahydrofuran	71	6.126	6.126	0.000	90	494213	250.0	239.5	
50 Chloroform	83	6.278	6.278	0.000	93	607400	50.0	45.2	
$ 51 Dibromofluoromethane (Surr)	113	6.491	6.491	0.000	93	331253	50.0	49.7	
52 1,1,1-Trichloroethane	97	6.515	6.515	0.000	98	585860	50.0	52.3	
53 Cyclohexane	56	6.606	6.606	0.000	90	643691	50.0	53.4	
54 Carbon tetrachloride	117	6.722	6.722	0.000	97	519866	50.0	52.9	
55 1,1-Dichloropropene	75	6.722	6.722	0.000	95	420013	50.0	51.6	
56 Isobutyl alcohol	41	6.898	6.898	0.000	94	447347	625.0	568.4	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.953	6.953	0.000	87	73661	50.0	49.2	
58 Benzene	78	6.983	6.983	0.000	97	1251514	50.0	50.3	
59 1,2-Dichloroethane	62	7.056	7.056	0.000	98	445879	50.0	48.7	
61 Tert-amyl methyl ether	73	7.184	7.184	0.000	98	934391	50.0	48.8	
* 62 Fluorobenzene (IS)	96	7.397	7.397	0.000	99	1250447	50.0	50.0	
63 n-Heptane	43	7.421	7.421	0.000	91	420167	50.0	51.5	
64 n-Butanol	56	7.793	7.793	0.000	89	362799	625.0	610.5	
66 Trichloroethene	95	7.884	7.884	0.000	98	333751	50.0	50.7	
67 Ethyl acrylate	55	8.012	8.012	0.000	99	595377	50.0	50.5	
68 Methylcyclohexane	83	8.194	8.194	0.000	91	674556	50.0	54.5	
69 1,2-Dichloropropane	63	8.218	8.218	0.000	93	318222	50.0	49.9	
70 2-ethoxy-2-methyl butane	87	8.243	8.243	0.000	94	510368	50.0	50.5	
72 Methyl methacrylate	69	8.316	8.316	0.000	91	345012	50.0	48.5	
73 1,4-Dioxane	88	8.322	8.322	0.000	38	95523	625.0	627.3	M
74 Dibromomethane	93	8.328	8.328	0.000	94	244561	50.0	49.3	
75 Dichlorobromomethane	83	8.571	8.571	0.000	99	422518	50.0	50.2	
76 2-Nitropropane	41	8.845	8.845	0.000	99	941347	250.0	236.3	
77 2-Chloroethyl vinyl ether	63	8.948	8.948	0.000	92	299328	50.0	55.1	
78 cis-1,3-Dichloropropene	75	9.137	9.137	0.000	96	545986	50.0	50.3	
79 4-Methyl-2-pentanone (MIBK)	43	9.326	9.326	0.000	96	1333609	100.0	104.0	
$ 80 Toluene-d8 (Surr)	98	9.466	9.466	0.000	93	1263492	50.0	50.3	
81 Toluene	92	9.545	9.545	0.000	98	826339	50.0	50.8	
82 trans-1,3-Dichloropropene	75	9.818	9.818	0.000	93	546697	50.0	49.7	
100 Ethyl methacrylate	69	9.885	9.885	0.000	89	586256	50.0	49.9	
118 1,1,2-Trichloroethane	97	10.031	10.031	0.000	90	336944	50.0	49.6	
119 Tetrachloroethene	166	10.116	10.116	0.000	97	374092	50.0	51.4	
120 1,3-Dichloropropane	76	10.196	10.196	0.000	92	527341	50.0	49.1	
123 2-Hexanone	43	10.256	10.256	0.000	96	1089342	100.0	105.3	
125 Chlorodibromomethane	129	10.415	10.415	0.000	89	389460	50.0	50.2	
127 Ethylene Dibromide	107	10.524	10.524	0.000	99	401214	50.0	49.2	
* 128 Chlorobenzene-d5 (IS)	117	10.974	10.974	0.000	85	1020041	50.0	50.0	
129 1-Chlorohexane	91	10.986	10.986	0.000	97	444802	50.0	49.3	
130 Chlorobenzene	112	10.999	10.999	0.000	96	992288	50.0	50.1	
131 1,1,1,2-Tetrachloroethane	131	11.084	11.084	0.000	96	378429	50.0	51.7	
132 Ethylbenzene	91	11.090	11.090	0.000	98	1665203	50.0	51.1	
134 m-Xylene & p-Xylene	106	11.205	11.205	0.000	100	1329139	100.0	102.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 n-Butyl acrylate	55	11.497	11.497	0.000	96	814404	50.0	52.4	
136 o-Xylene	106	11.540	11.540	0.000	96	699436	50.0	51.7	
137 Styrene	104	11.558	11.558	0.000	95	1140695	50.0	51.0	
138 Bromoform	173	11.710	11.710	0.000	97	333753	50.0	49.8	
139 Isopropylbenzene	105	11.850	11.850	0.000	96	1646309	50.0	52.8	
141 Cyclohexanone	55	11.917	11.917	0.000	93	430340	625.0	775.8	
$ 142 4-Bromofluorobenzene (Surr)	95	11.990	11.990	0.000	92	530359	50.0	50.0	
143 1,1,2,2-Tetrachloroethane	83	12.100	12.100	0.000	95	637829	50.0	49.7	
144 Bromobenzene	156	12.106	12.106	0.000	95	480078	50.0	50.6	
145 trans-1,4-Dichloro-2-butene	53	12.124	12.124	0.000	91	559764	125.0	126.5	
146 1,2,3-Trichloropropane	110	12.142	12.142	0.000	83	203654	50.0	50.1	
147 N-Propylbenzene	91	12.185	12.185	0.000	98	2005273	50.0	52.7	
148 2-Chlorotoluene	126	12.258	12.258	0.000	97	444297	50.0	51.5	
149 1,3,5-Trimethylbenzene	105	12.319	12.319	0.000	94	1497901	50.0	53.0	
150 4-Chlorotoluene	126	12.349	12.349	0.000	97	454269	50.0	50.9	
153 tert-Butylbenzene	134	12.562	12.562	0.000	93	279844	50.0	52.9	
155 1,2,4-Trimethylbenzene	105	12.611	12.611	0.000	97	1558794	50.0	52.7	
156 sec-Butylbenzene	105	12.726	12.726	0.000	94	1856232	50.0	53.8	
158 1,3-Dichlorobenzene	146	12.824	12.824	0.000	99	923795	50.0	51.2	
159 4-Isopropyltoluene	119	12.836	12.836	0.000	97	1657654	50.0	53.5	
* 160 1,4-Dichlorobenzene-d4	152	12.885	12.885	0.000	93	639061	50.0	50.0	
161 1,4-Dichlorobenzene	146	12.903	12.903	0.000	95	946062	50.0	50.4	
162 1,2,3-Trimethylbenzene	105	12.915	12.915	0.000	98	1625419	50.0	52.4	
163 Benzyl chloride	91	12.976	12.976	0.000	99	1431142	50.0	51.5	
164 1,3-Diethylbenzene	119	13.043	13.043	0.000	95	991041	50.0	53.6	
165 p-Diethylbenzene	119	13.116	13.116	0.000	94	1041975	50.0	53.2	
166 n-Butylbenzene	92	13.134	13.134	0.000	97	826217	50.0	53.7	
167 1,2-Dichlorobenzene	146	13.158	13.158	0.000	99	936781	50.0	51.5	
168 o-diethylbenzene	119	13.183	13.183	0.000	95	810266	50.0	53.5	
170 1,2-Dibromo-3-Chloropropane	75	13.706	13.706	0.000	88	200762	50.0	51.0	
171 1,3,5-Trichlorobenzene	180	13.834	13.834	0.000	98	675273	50.0	53.2	
172 1,2,4-Trichlorobenzene	180	14.259	14.259	0.000	94	653095	50.0	53.9	
173 2-Ethylhexyl acrylate	55	14.320	14.320	0.000	81	448731	50.0	61.0	
174 Hexachlorobutadiene	225	14.345	14.345	0.000	96	246901	50.0	54.6	
175 Naphthalene	128	14.436	14.436	0.000	97	2326571	50.0	50.0	
176 1,2,3-Trichlorobenzene	180	14.582	14.582	0.000	96	596030	50.0	49.8	
177 2-Methylnaphthalene	142	15.184	15.184	0.000	92	979832	50.0	50.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00168	Amount Added:	5.00	Units: uL	
MSV_CCV_VOC#3_00164	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00160	Amount Added:	5.00	Units: uL	
MSV_CCV_ETOH_00005	Amount Added:	10.00	Units: uL	
MSV_CCV_GASES_00717	Amount Added:	2.50	Units: uL	
MSV_CCV_CYC_00008	Amount Added:	10.00	Units: uL	
MSV_CCV_OH_Sp_00005	Amount Added:	5.00	Units: uL	
MSV_HP04_ISSS_00001	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 01-Feb-2024 16:11:24 Chrom Revision: 2.3 24-Jan-2024 12:19:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X06.D

Injection Date: 31-Jan-2024 13:03:30 Instrument ID: 23297 Operator ID: knk41612

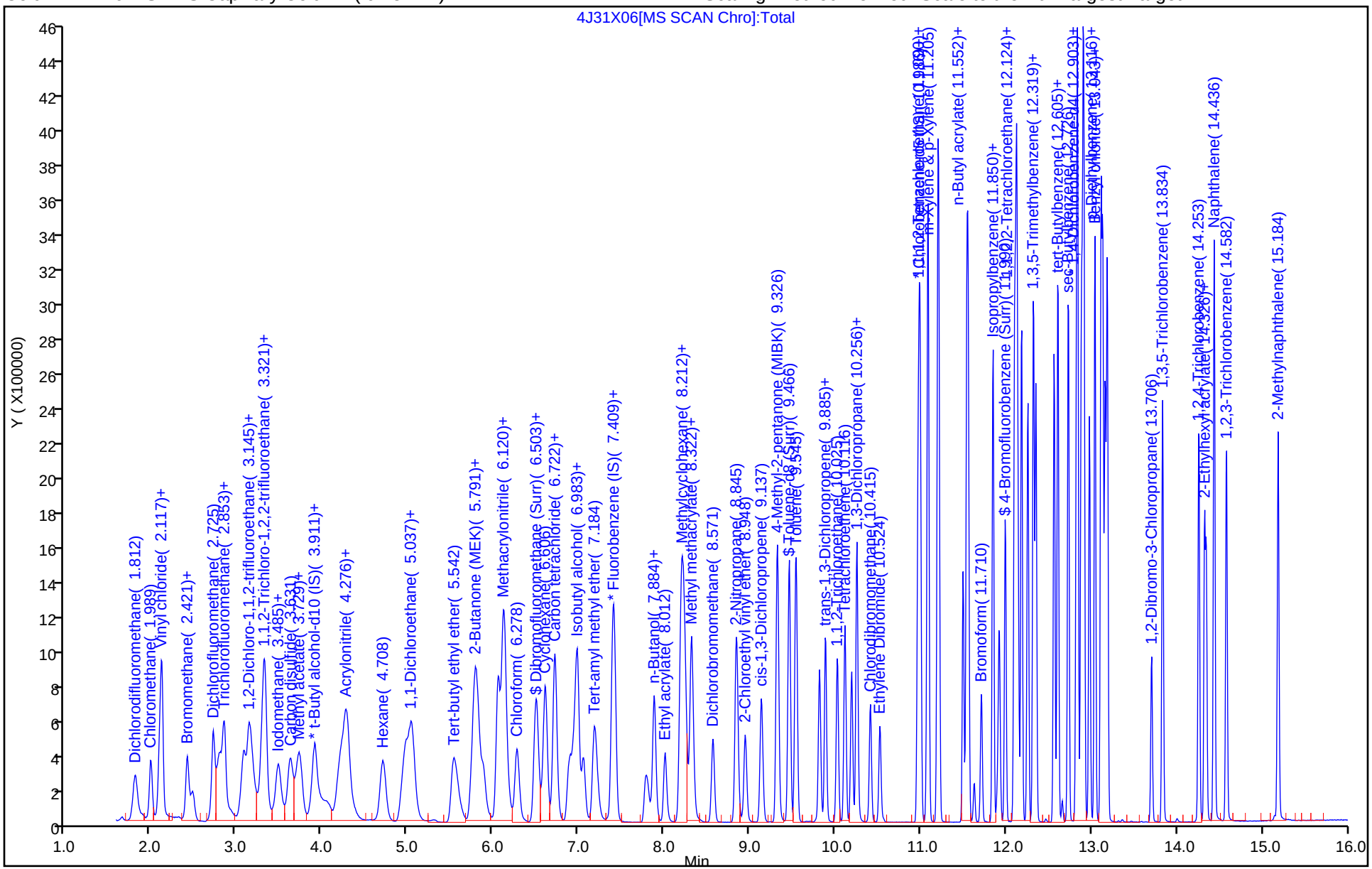
Lims ID: ICIS v50 Worklist Smp#: 7

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

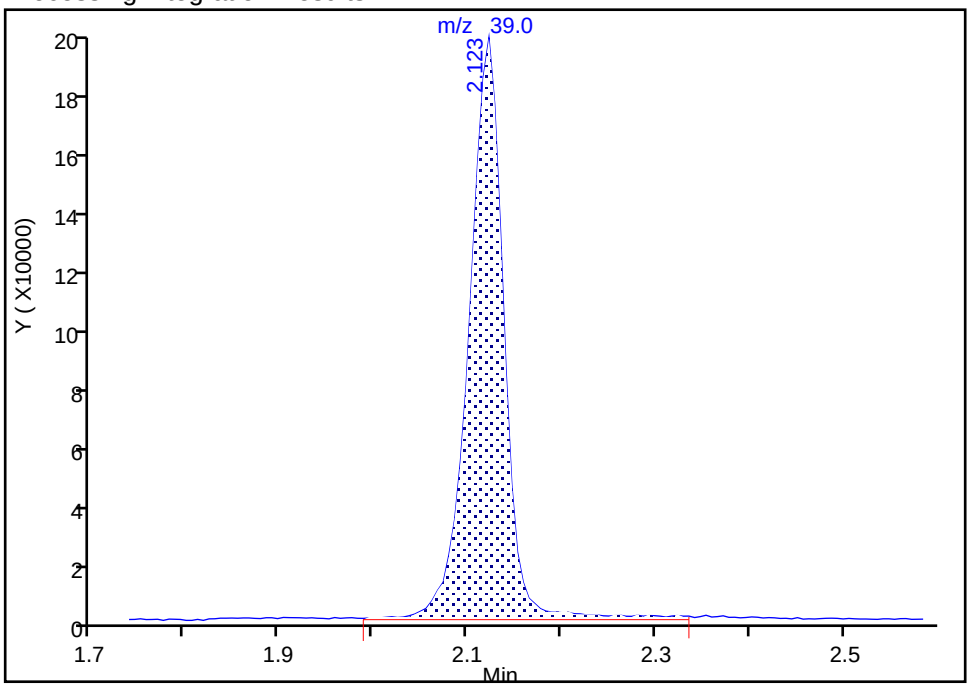
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X06.D
Injection Date: 31-Jan-2024 13:03:30 Instrument ID: 23297
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

6 Butadiene, CAS: 106-99-0

Signal: 1

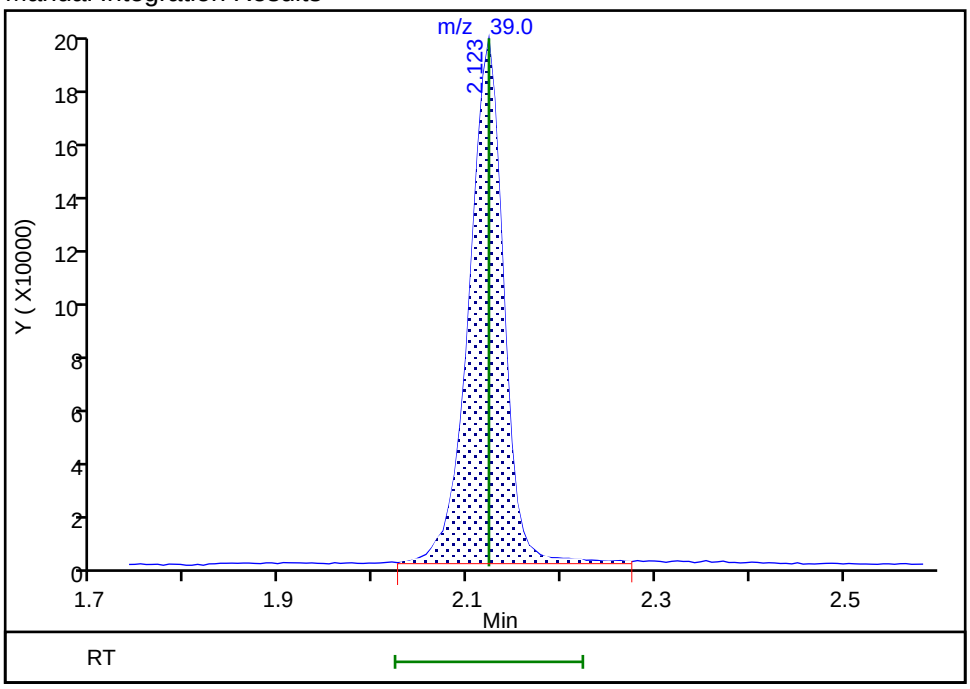
Processing Integration Results

RT: 2.12
Area: 516213
Amount: 54.144624
Amount Units: ug/l



Manual Integration Results

RT: 2.12
Area: 498143
Amount: 51.226686
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:26:08 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

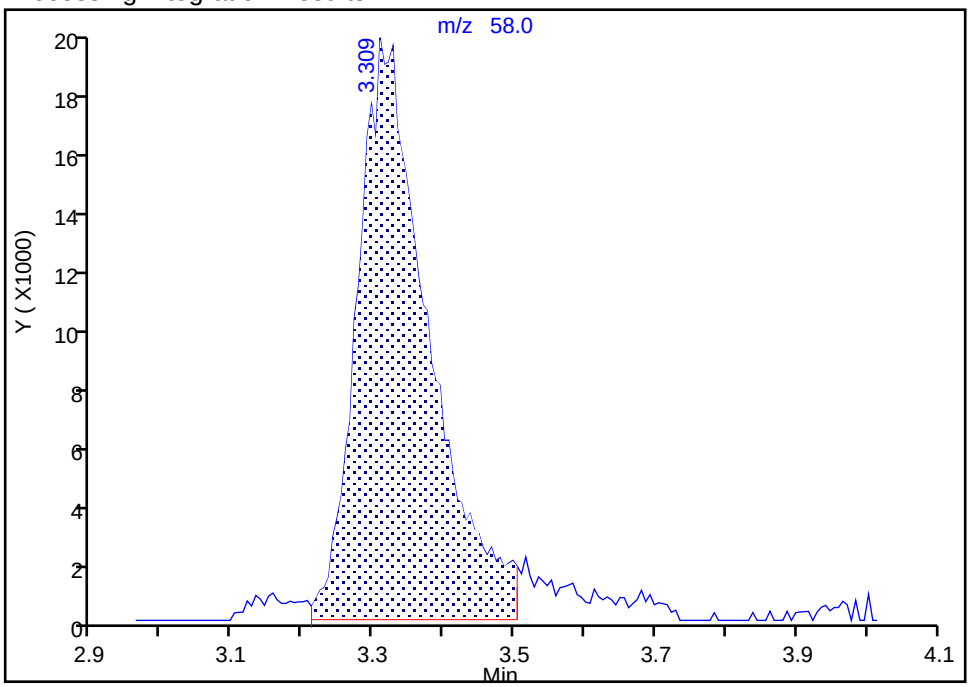
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X06.D
Injection Date: 31-Jan-2024 13:03:30 Instrument ID: 23297
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

18 Acetone, CAS: 67-64-1

Signal: 1

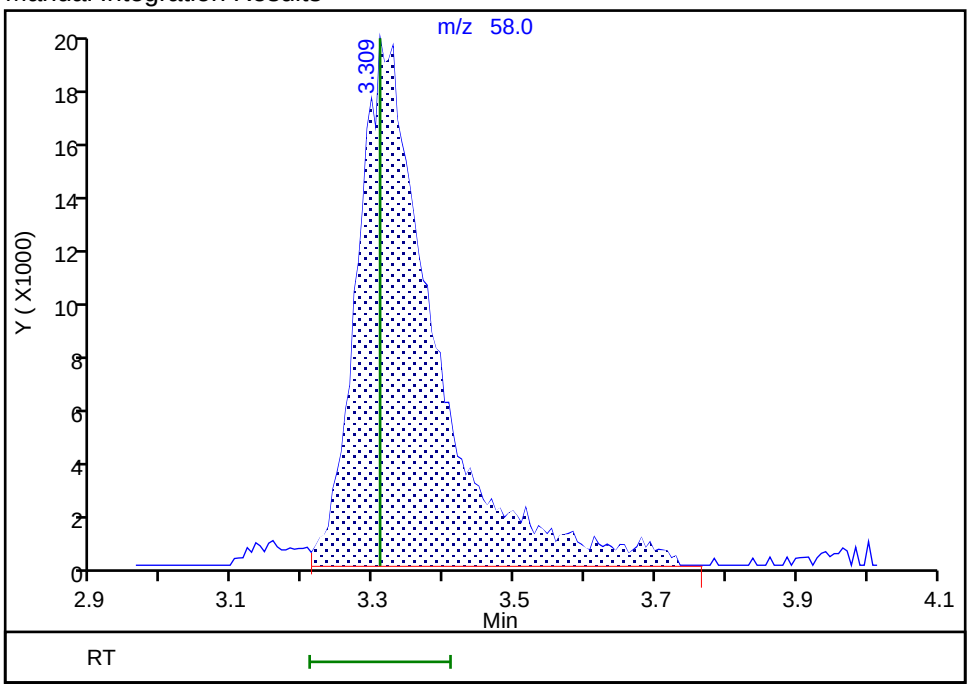
Processing Integration Results

RT: 3.31
Area: 138613
Amount: 98.512943
Amount Units: ug/l



Manual Integration Results

RT: 3.31
Area: 150763
Amount: 105.2599
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:26:30 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

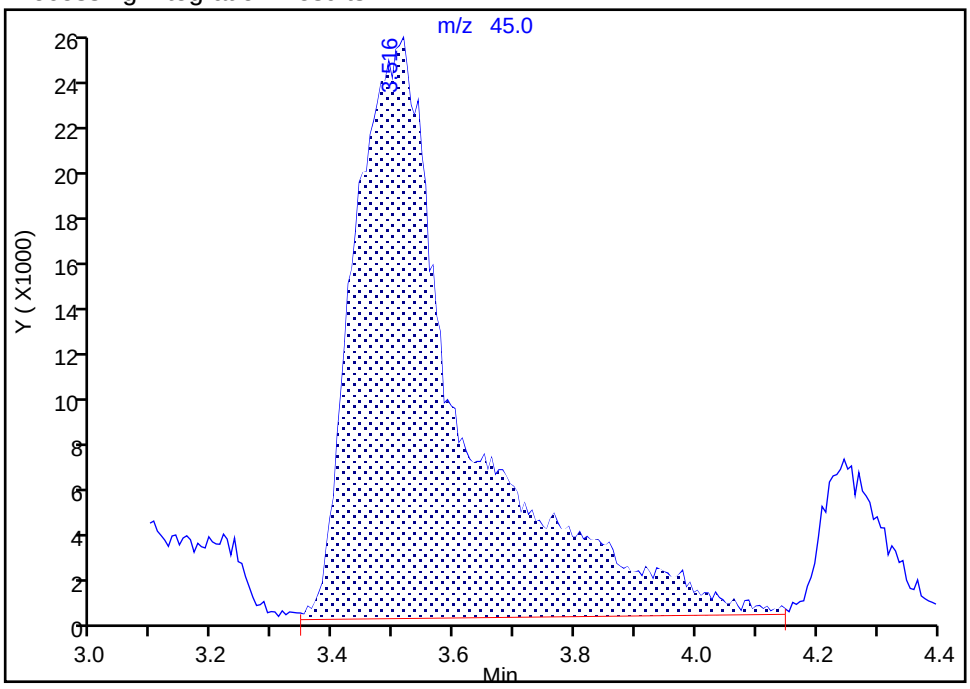
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X06.D
Injection Date: 31-Jan-2024 13:03:30 Instrument ID: 23297
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

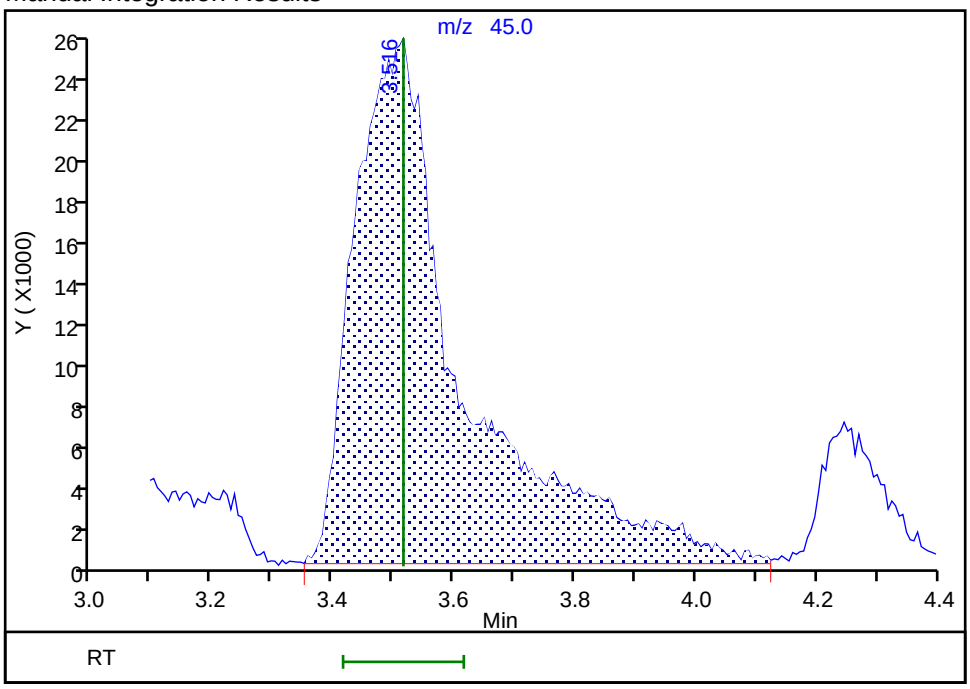
Processing Integration Results

RT: 3.52
Area: 317046
Amount: 258.5987
Amount Units: ug/l



Manual Integration Results

RT: 3.52
Area: 312118
Amount: 255.5698
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:26:51 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

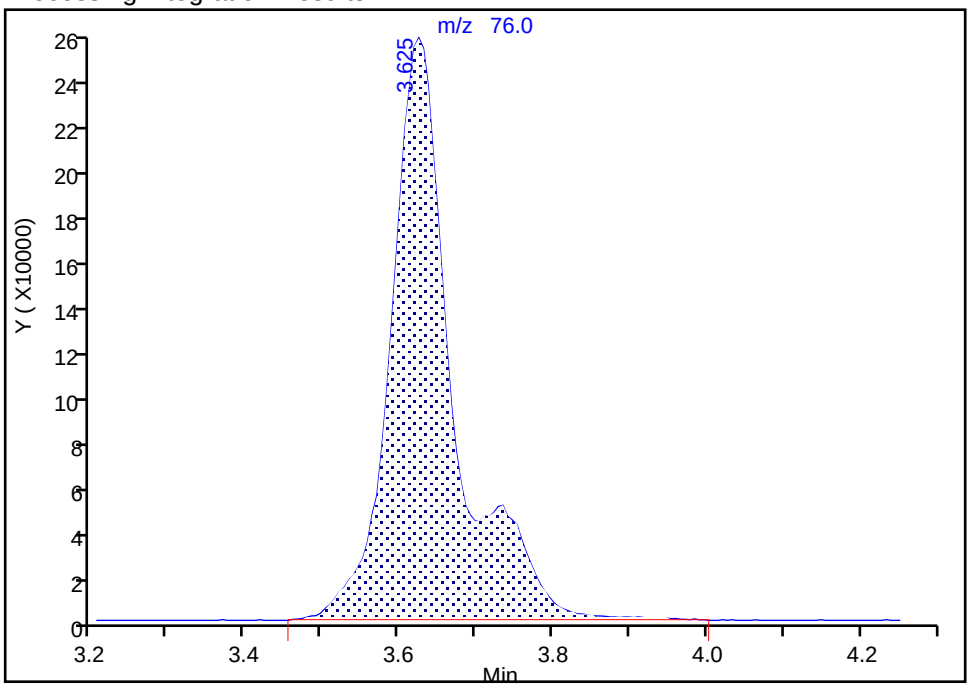
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X06.D
Injection Date: 31-Jan-2024 13:03:30 Instrument ID: 23297
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

22 Carbon disulfide, CAS: 75-15-0

Signal: 1

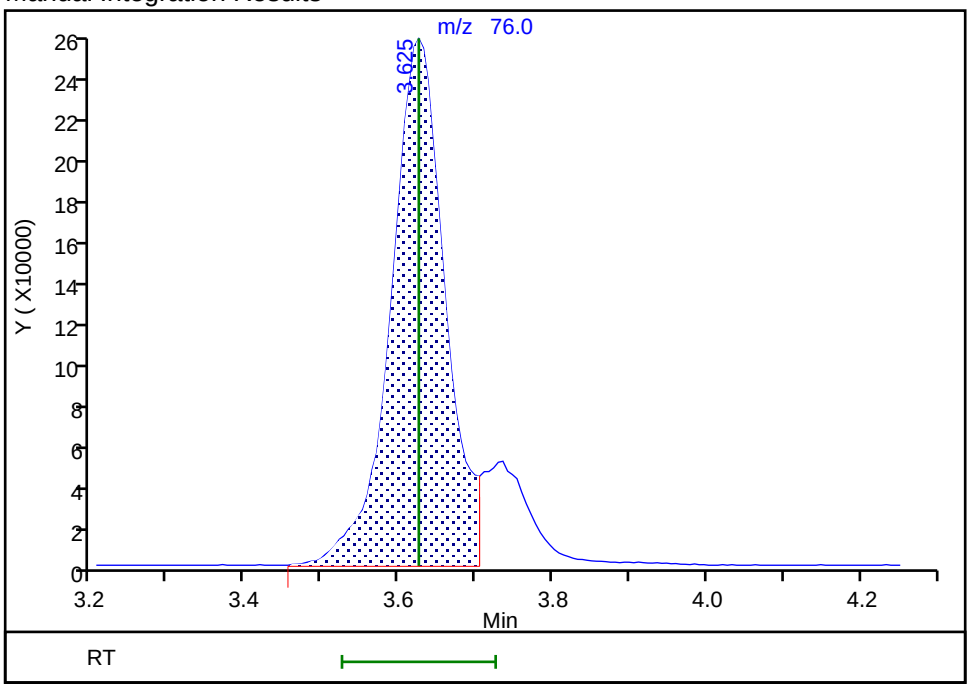
Processing Integration Results

RT: 3.63
Area: 1476938
Amount: 58.821550
Amount Units: ug/l



Manual Integration Results

RT: 3.63
Area: 1263131
Amount: 52.794816
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:26:58 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

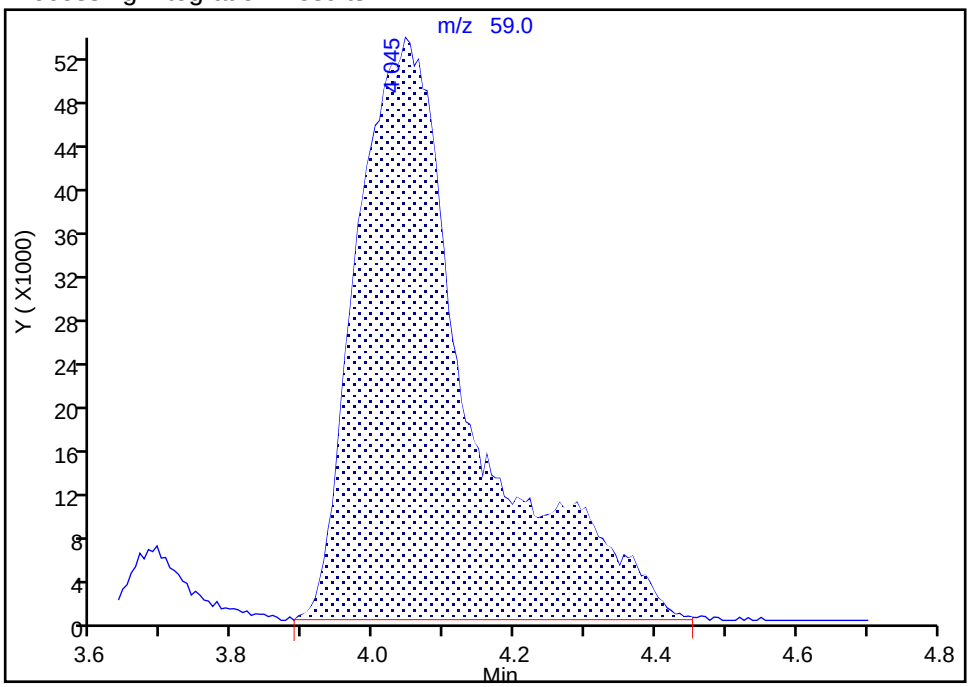
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X06.D
Injection Date: 31-Jan-2024 13:03:30 Instrument ID: 23297
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

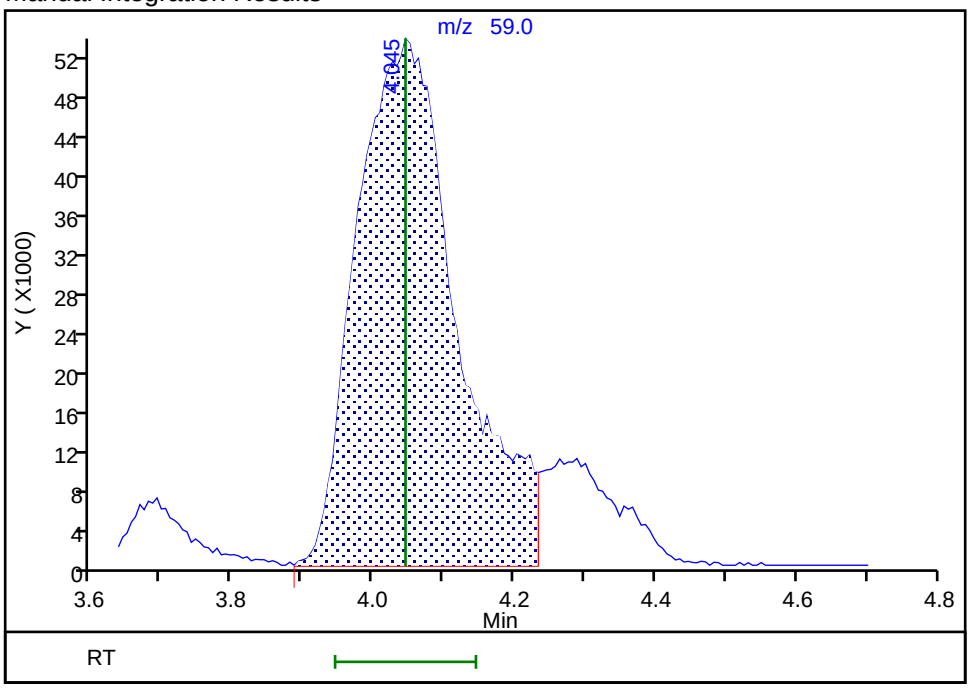
Processing Integration Results

RT: 4.05
Area: 612334
Amount: 251.1186
Amount Units: ug/l



Manual Integration Results

RT: 4.05
Area: 533493
Amount: 231.8545
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:27:06 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

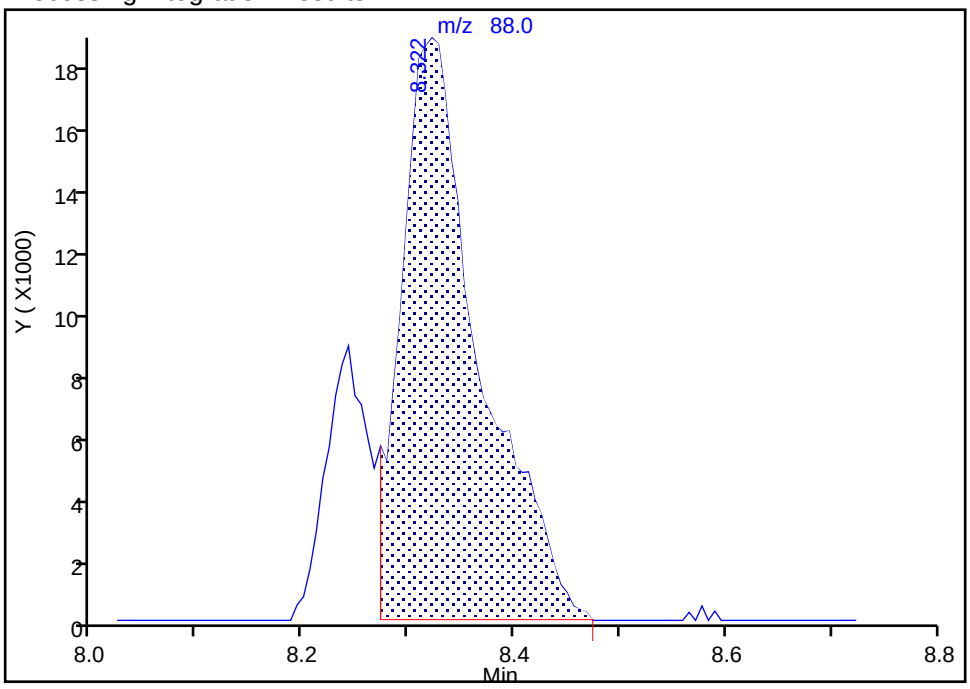
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X06.D
Injection Date: 31-Jan-2024 13:03:30 Instrument ID: 23297
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

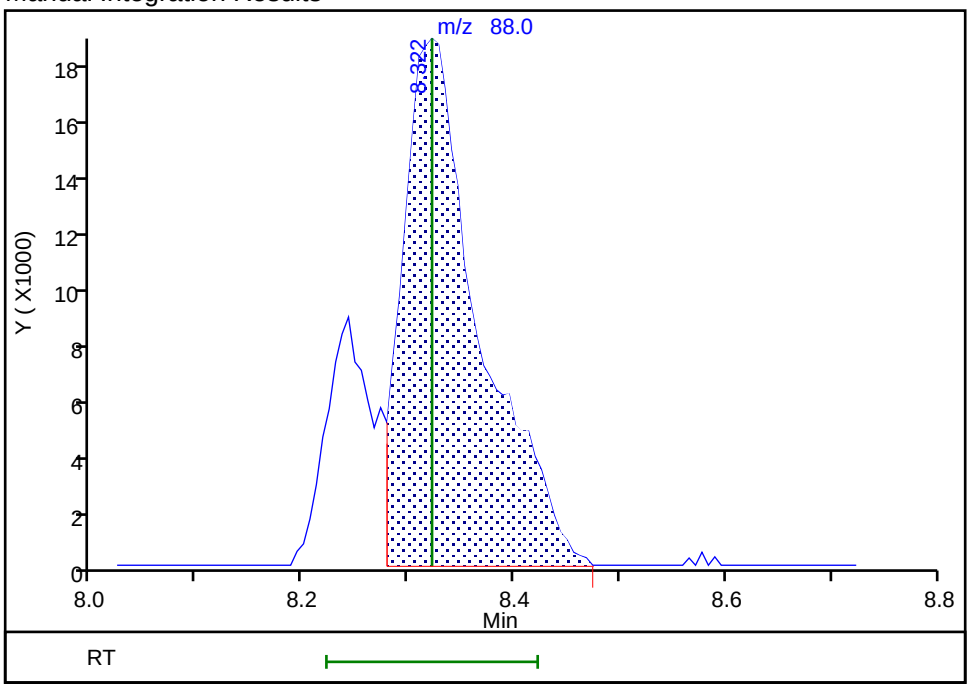
Processing Integration Results

RT: 8.32
Area: 97589
Amount: 634.7938
Amount Units: ug/l



Manual Integration Results

RT: 8.32
Area: 95523
Amount: 627.3346
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:27:24 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X07.D
Lims ID: IC v100
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 31-Jan-2024 13:25:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0105215-008
Misc. Info.: ic v100
Operator ID: knk41612 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub95

Method: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 01-Feb-2024 16:11:30 Calib Date: 31-Jan-2024 13:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1617

First Level Reviewer: DVW2 Date: 31-Jan-2024 14:29:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.818	1.812	0.006	100	1167941	100.0	103.4	
4 Chloromethane	50	2.007	1.995	0.012	99	1019353	100.0	92.0	
5 Vinyl chloride	62	2.110	2.098	0.012	98	1035315	100.0	96.2	
6 Butadiene	39	2.135	2.123	0.012	92	988390	100.0	97.4	M
8 Bromomethane	94	2.433	2.421	0.012	91	761738	100.0	93.2	
9 Chloroethane	64	2.494	2.482	0.012	100	554879	100.0	98.1	
10 Dichlorofluoromethane	67	2.737	2.725	0.012	97	1660868	100.0	97.0	
11 Trichlorofluoromethane	101	2.810	2.792	0.018	97	1369480	100.0	105.3	
12 Pentane	43	2.865	2.853	0.012	96	1307821	100.0	101.7	
13 Ethanol	45	2.944	2.938	0.006	47	319842	2499.8	2471.7	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.090	3.078	0.012	90	838448	100.0	98.8	
16 Acrolein	56	3.163	3.145	0.018	99	3038261	1000.0	1059.2	
18 Acetone	58	3.333	3.309	0.024	87	297655	200.0	209.5	M
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.327	3.315	0.012	92	753276	100.0	102.7	
17 1,1-Dichloroethene	96	3.339	3.327	0.012	98	707673	100.0	97.6	
21 Iodomethane	142	3.497	3.485	0.012	98	1419523	100.0	97.9	
20 Isopropyl alcohol	45	3.510	3.516	-0.006	97	751159	500.0	620.1	M
22 Carbon disulfide	76	3.637	3.625	0.012	99	2473009	100.0	99.1	
24 Methyl acetate	43	3.698	3.686	0.012	98	1028553	100.0	112.8	
26 3-Chloro-1-propene	41	3.747	3.729	0.018	88	1070532	100.0	94.6	
27 Methylene Chloride	84	3.923	3.911	0.012	94	792261	100.0	97.7	
* 28 t-Butyl alcohol-d10 (IS)	65	3.942	3.917	0.025	92	528139	250.0	250.0	
29 2-Methyl-2-propanol	59	4.045	4.045	0.000	99	1410785	500.0	618.1	M
30 Acrylonitrile	53	4.203	4.191	0.012	98	1429812	250.0	276.9	
31 Methyl tert-butyl ether	73	4.252	4.252	0.000	97	2121314	100.0	98.9	
32 trans-1,2-Dichloroethene	96	4.301	4.288	0.012	99	745456	100.0	100.7	
34 Hexane	57	4.720	4.708	0.012	93	918204	100.0	102.8	
35 1,1-Dichloroethane	63	4.964	4.945	0.019	95	1246573	100.0	101.2	
37 Isopropyl ether	45	5.018	5.000	0.018	93	1964272	100.0	100.5	
38 2-Chloro-1,3-butadiene	53	5.061	5.055	0.006	91	1028079	100.0	102.7	

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	5.548	5.542	0.006	97	1981243	100.0	100.2	
40 2-Butanone (MEK)	43	5.761	5.755	0.006	99	1441496	200.0	197.6	
41 cis-1,2-Dichloroethene	96	5.797	5.791	0.006	82	828487	100.0	103.4	
42 2,2-Dichloropropane	77	5.815	5.803	0.012	88	1145460	100.0	98.2	
44 Propionitrile	54	5.852	5.840	0.012	95	1369748	500.0	603.7	
45 Methyl acrylate	55	5.894	5.888	0.006	100	1190273	100.0	101.2	
47 Methacrylonitrile	67	6.065	6.059	0.006	91	1404926	250.0	287.8	
48 Chlorobromomethane	128	6.126	6.120	0.006	85	445136	100.0	103.7	
49 Tetrahydrofuran	71	6.138	6.126	0.012	90	1209477	500.0	590.8	
S 46 1,2-Dichloroethene, Total	100				0			204.1	
50 Chloroform	83	6.290	6.278	0.012	93	1310243	100.0	93.4	
$ 51 Dibromofluoromethane (Surr)	113	6.503	6.491	0.012	93	354873	50.0	51.0	
52 1,1,1-Trichloroethane	97	6.521	6.515	0.006	98	1183209	100.0	101.2	
53 Cyclohexane	56	6.618	6.606	0.012	90	1254703	100.0	99.8	
54 Carbon tetrachloride	117	6.728	6.722	0.006	98	1052280	100.0	102.6	
55 1,1-Dichloropropene	75	6.728	6.722	0.006	96	879401	100.0	103.5	
56 Isobutyl alcohol	41	6.904	6.898	0.006	94	1140025	1250.0	1460.2	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.953	6.953	0.000	83	79571	50.0	51.0	
58 Benzene	78	6.989	6.983	0.006	96	2649485	100.0	102.0	
59 1,2-Dichloroethane	62	7.062	7.056	0.006	98	1015747	100.0	106.3	
61 Tert-amyl methyl ether	73	7.190	7.184	0.006	98	2053326	100.0	102.8	
* 62 Fluorobenzene (IS)	96	7.403	7.397	0.006	99	1304381	50.0	50.0	
63 n-Heptane	43	7.427	7.421	0.006	91	851280	100.0	100.1	
64 n-Butanol	56	7.792	7.793	-0.001	89	944019	1250.0	1601.4	
66 Trichloroethene	95	7.890	7.884	0.006	98	712367	100.0	103.7	
67 Ethyl acrylate	55	8.011	8.012	-0.001	99	1263939	100.0	102.8	
68 Methylcyclohexane	83	8.200	8.194	0.006	91	1346996	100.0	104.4	
69 1,2-Dichloropropane	63	8.218	8.218	0.000	93	699532	100.0	105.1	
70 2-ethoxy-2-methyl butane	87	8.243	8.243	0.000	94	1102381	100.0	104.6	
72 Methyl methacrylate	69	8.316	8.316	0.000	90	856843	100.0	115.5	
73 1,4-Dioxane	88	8.322	8.322	0.000	33	232303	1250.0	1538.1	M
74 Dibromomethane	93	8.334	8.328	0.006	95	565271	100.0	109.3	
75 Dichlorobromomethane	83	8.577	8.571	0.006	99	973716	100.0	110.9	
76 2-Nitropropane	41	8.851	8.845	0.006	99	2421374	500.0	612.7	
77 2-Chloroethyl vinyl ether	63	8.954	8.948	0.006	93	565319	100.0	99.7	
78 cis-1,3-Dichloropropene	75	9.143	9.137	0.006	96	1228065	100.0	108.4	
79 4-Methyl-2-pentanone (MIBK)	43	9.326	9.326	0.000	96	2802668	200.0	209.4	
$ 80 Toluene-d8 (Surr)	98	9.465	9.466	-0.001	93	1299870	50.0	49.7	
81 Toluene	92	9.545	9.545	0.000	98	1761080	100.0	104.0	
82 trans-1,3-Dichloropropene	75	9.818	9.818	0.000	93	1260665	100.0	110.1	
100 Ethyl methacrylate	69	9.891	9.885	0.006	89	1424548	100.0	116.6	
118 1,1,2-Trichloroethane	97	10.031	10.031	0.000	90	789228	100.0	111.6	
S 114 1,3-Dichloropropene, Total	100				0			218.5	
119 Tetrachloroethene	166	10.116	10.116	0.000	97	785388	100.0	103.7	
120 1,3-Dichloropropane	76	10.195	10.196	-0.001	92	1232311	100.0	110.2	
123 2-Hexanone	43	10.256	10.256	0.000	95	2262354	200.0	210.2	
125 Chlorodibromomethane	129	10.414	10.415	-0.001	90	929497	100.0	115.2	
127 Ethylene Dibromide	107	10.524	10.524	0.000	99	936538	100.0	110.4	
* 128 Chlorobenzene-d5 (IS)	117	10.974	10.974	0.000	85	1061033	50.0	50.0	
129 1-Chlorohexane	91	10.986	10.986	0.000	97	933226	100.0	99.4	
130 Chlorobenzene	112	10.999	10.999	-0.001	95	2142533	100.0	104.1	
131 1,1,1,2-Tetrachloroethane	131	11.084	11.084	0.000	97	848948	100.0	111.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
132 Ethylbenzene	91	11.090	11.090	0.000	98	3502885	100.0	103.3	
134 m-Xylene & p-Xylene	106	11.211	11.205	0.006	99	2829413	200.0	209.8	
S 133 Xylenes, Total	106				0			316.4	
135 n-Butyl acrylate	55	11.497	11.497	0.000	97	1711551	100.0	105.8	
136 o-Xylene	106	11.546	11.540	0.006	96	1498717	100.0	106.6	
137 Styrene	104	11.558	11.558	0.000	94	2477957	100.0	106.4	
138 Bromoform	173	11.710	11.710	0.000	97	805204	100.0	115.4	
139 Isopropylbenzene	105	11.850	11.850	0.000	96	3477489	100.0	107.2	
141 Cyclohexanone	55	11.923	11.917	0.006	92	782697	1250.0	1422.4	
$ 142 4-Bromofluorobenzene (Surr)	95	11.990	11.990	0.000	92	551258	50.0	49.9	
143 1,1,2,2-Tetrachloroethane	83	12.100	12.100	0.000	95	1543852	100.0	114.6	
144 Bromobenzene	156	12.112	12.106	0.006	96	1060114	100.0	106.5	
145 trans-1,4-Dichloro-2-butene	53	12.124	12.124	0.000	94	1361190	250.0	293.2	
146 1,2,3-Trichloropropane	110	12.142	12.142	0.000	83	482975	100.0	113.2	
147 N-Propylbenzene	91	12.185	12.185	0.000	98	4153824	100.0	104.1	
148 2-Chlorotoluene	126	12.258	12.258	0.000	97	953712	100.0	105.4	
149 1,3,5-Trimethylbenzene	105	12.325	12.319	0.006	94	3180087	100.0	107.3	
150 4-Chlorotoluene	126	12.349	12.349	0.000	97	974235	100.0	104.0	
153 tert-Butylbenzene	134	12.568	12.562	0.006	93	615034	100.0	110.9	
155 1,2,4-Trimethylbenzene	105	12.611	12.611	0.000	97	3311127	100.0	106.8	
156 sec-Butylbenzene	105	12.732	12.726	0.006	94	3857861	100.0	106.7	
158 1,3-Dichlorobenzene	146	12.824	12.824	0.000	98	1974150	100.0	104.3	
159 4-Isopropyltoluene	119	12.842	12.836	0.006	96	3467528	100.0	106.6	
* 160 1,4-Dichlorobenzene-d4	152	12.884	12.885	-0.001	92	670428	50.0	50.0	
161 1,4-Dichlorobenzene	146	12.903	12.903	0.000	95	2031286	100.0	103.1	
162 1,2,3-Trimethylbenzene	105	12.915	12.915	0.000	98	3483278	100.0	107.1	
163 Benzyl chloride	91	12.976	12.976	0.000	98	3315558	100.0	113.6	
164 1,3-Diethylbenzene	119	13.043	13.043	0.000	95	2067245	100.0	106.5	
165 p-Diethylbenzene	119	13.116	13.116	0.000	94	2171275	100.0	105.6	
166 n-Butylbenzene	92	13.134	13.134	0.000	97	1705574	100.0	105.6	
167 1,2-Dichlorobenzene	146	13.164	13.158	0.006	99	2009276	100.0	105.3	
168 o-diethylbenzene	119	13.189	13.183	0.006	94	1709912	100.0	107.6	
170 1,2-Dibromo-3-Chloropropane	75	13.706	13.706	0.000	89	456070	100.0	110.4	
171 1,3,5-Trichlorobenzene	180	13.833	13.834	-0.001	98	1361143	100.0	102.1	
172 1,2,4-Trichlorobenzene	180	14.259	14.259	0.000	95	1250086	100.0	98.3	
173 2-Ethylhexyl acrylate	55	14.320	14.320	0.000	81	756474	100.0	98.0	
174 Hexachlorobutadiene	225	14.344	14.345	-0.001	96	489788	100.0	103.3	
175 Naphthalene	128	14.436	14.436	0.000	97	4439146	100.0	90.9	
176 1,2,3-Trichlorobenzene	180	14.582	14.582	0.000	96	1071126	100.0	85.4	
177 2-Methylnaphthalene	142	15.184	15.184	0.000	92	1499528	100.0	72.9	
S 186 Total Diethylbenzene	1				0			319.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00168	Amount Added:	5.00	Units: uL	
MSV_CCV_VOC#3_00164	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00160	Amount Added:	5.00	Units: uL	
MSV_CCV_ETOH_00005	Amount Added:	10.00	Units: uL	
MSV_CCV_GASES_00717	Amount Added:	2.50	Units: uL	
MSV_CCV_CYC_00008	Amount Added:	10.00	Units: uL	
MSV_CCV_OH_Sp_00005	Amount Added:	5.00	Units: uL	
MSV_HP04_ISSS_00001	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 01-Feb-2024 16:11:31 Chrom Revision: 2.3 24-Jan-2024 12:19:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X07.D

Injection Date: 31-Jan-2024 13:25:30 Instrument ID: 23297 Operator ID: knk41612

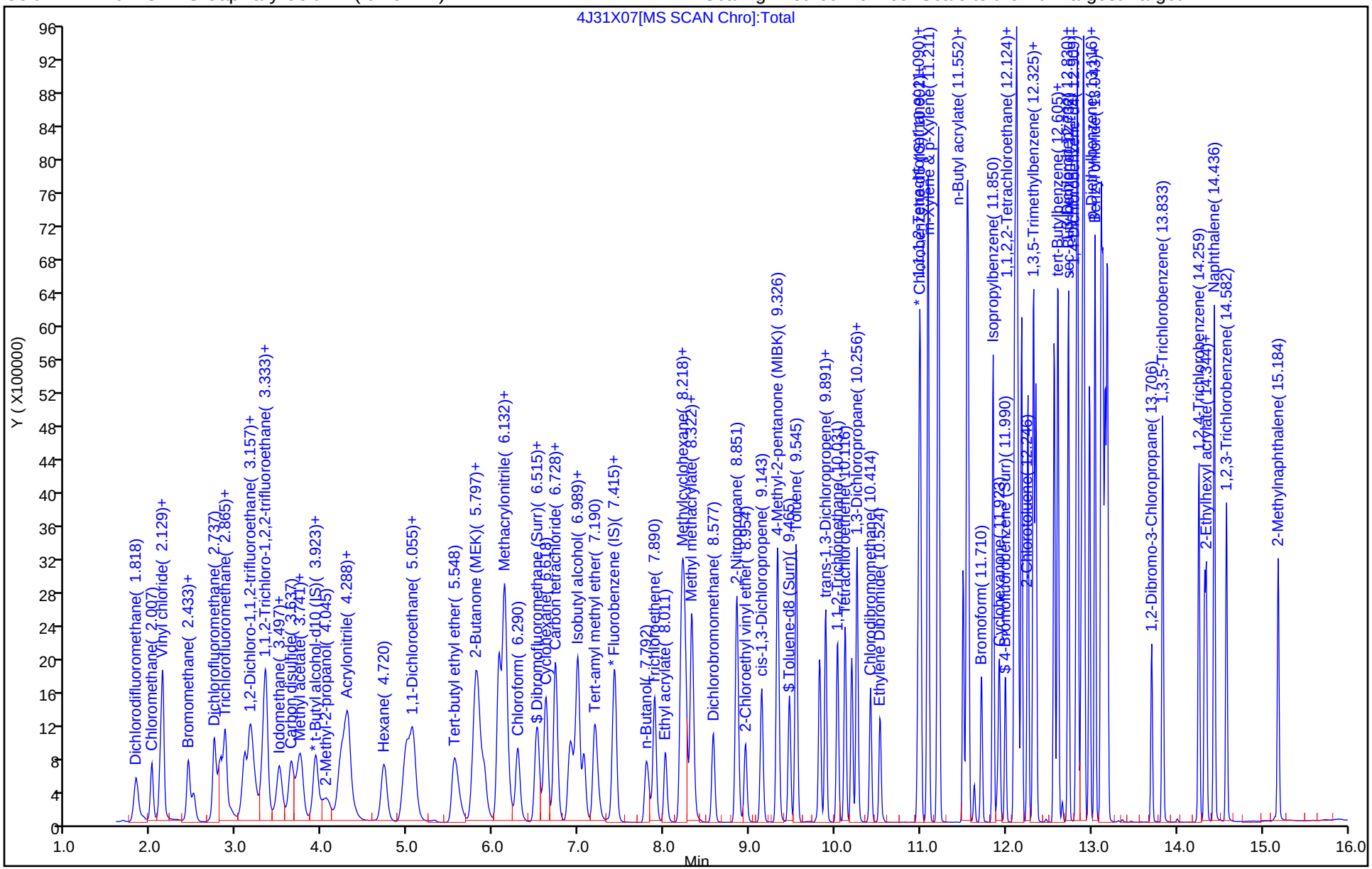
Lims ID: IC v100 Worklist Smp#: 8

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

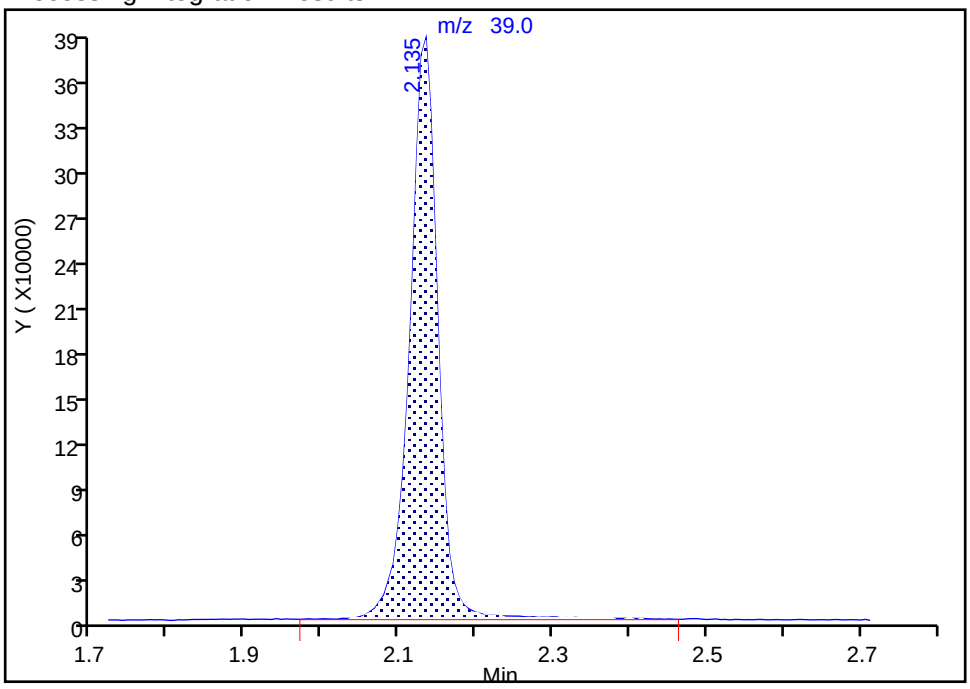
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X07.D
Injection Date: 31-Jan-2024 13:25:30 Instrument ID: 23297
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

6 Butadiene, CAS: 106-99-0

Signal: 1

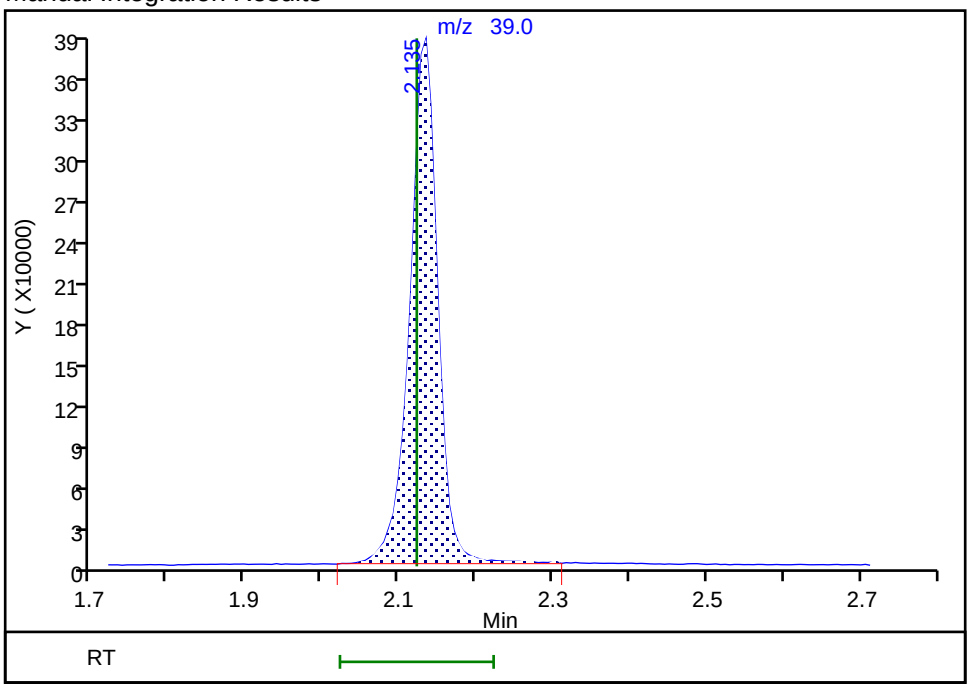
Processing Integration Results

RT: 2.13
Area: 1009431
Amount: 102.4866
Amount Units: ug/l



Manual Integration Results

RT: 2.13
Area: 988390
Amount: 97.438682
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:28:35 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

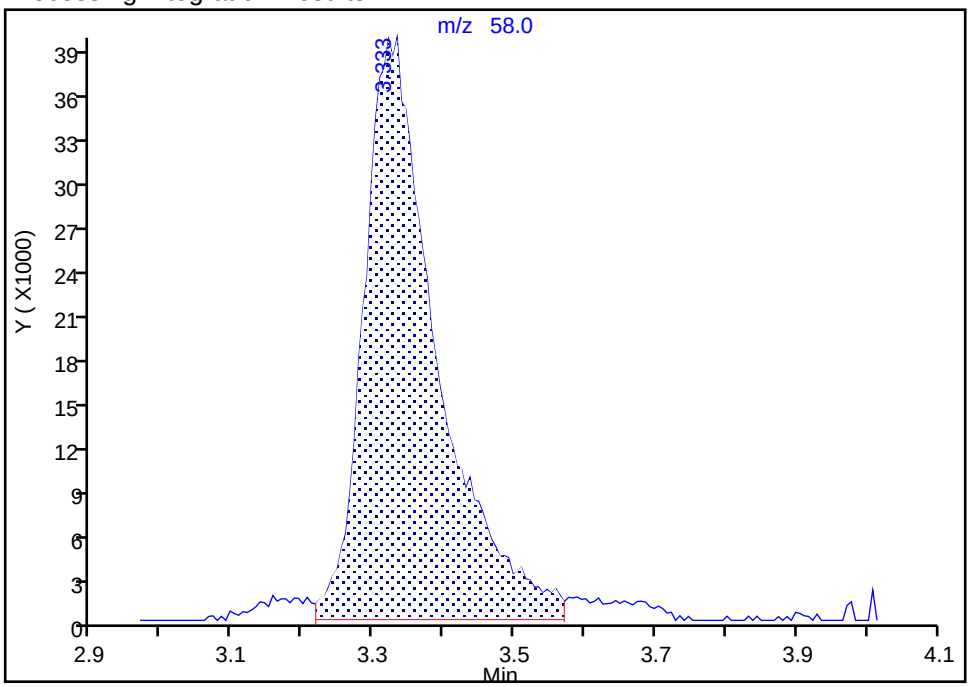
Data File:	\\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X07.D				
Injection Date:	31-Jan-2024 13:25:30	Instrument ID:	23297		
Lims ID:	IC v100				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

18 Acetone, CAS: 67-64-1

Signal: 1

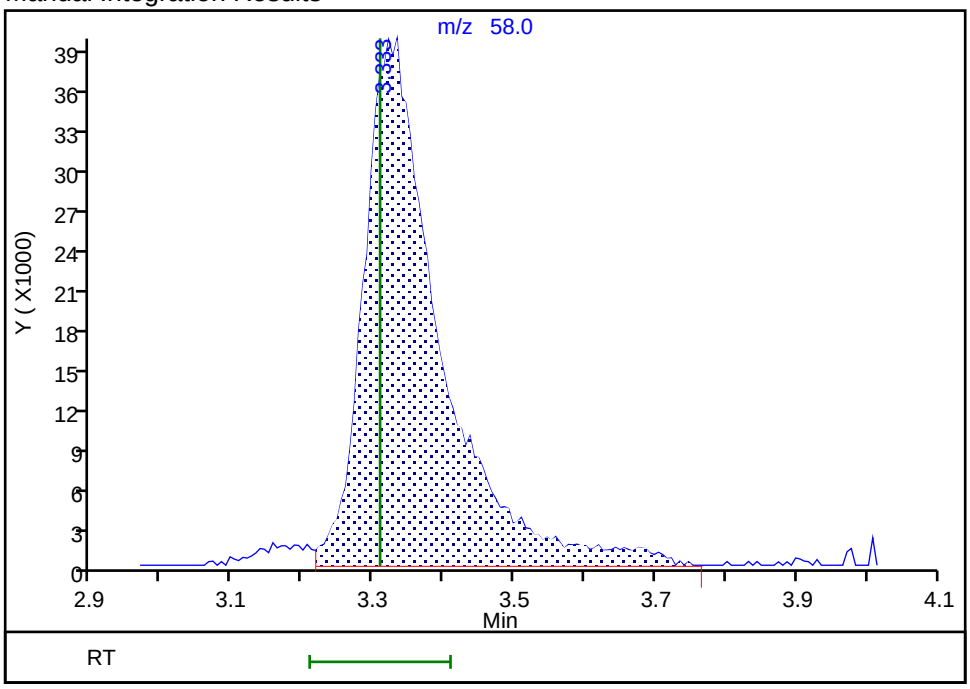
Processing Integration Results

RT: 3.33
Area: 286709
Amount: 202.9247
Amount Units: ug/l



Manual Integration Results

RT: 3.33
Area: 297655
Amount: 209.5126
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:29:00 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

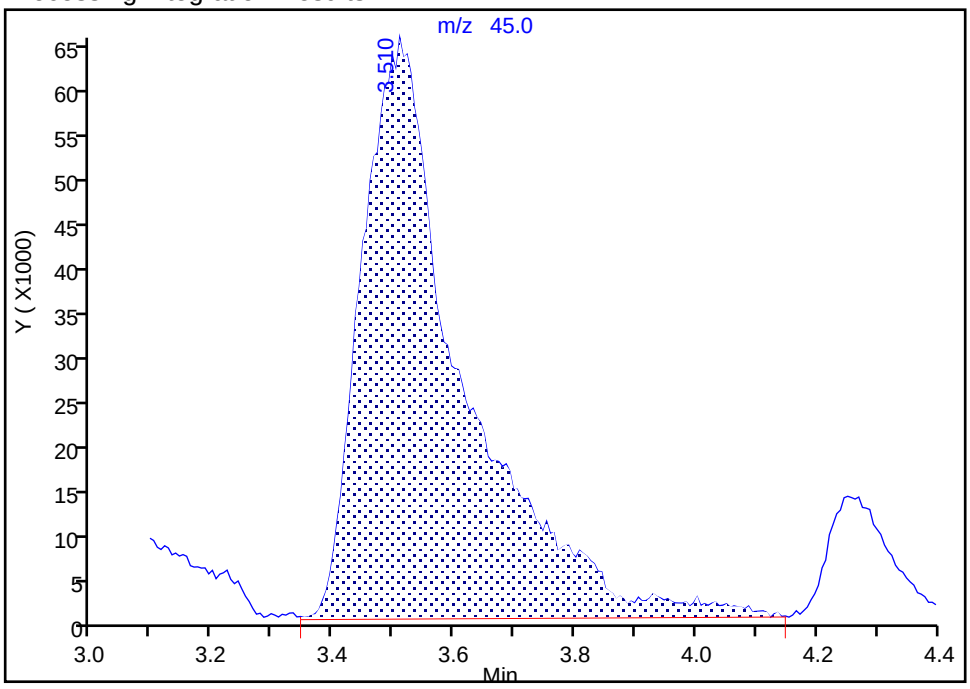
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X07.D
Injection Date: 31-Jan-2024 13:25:30 Instrument ID: 23297
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

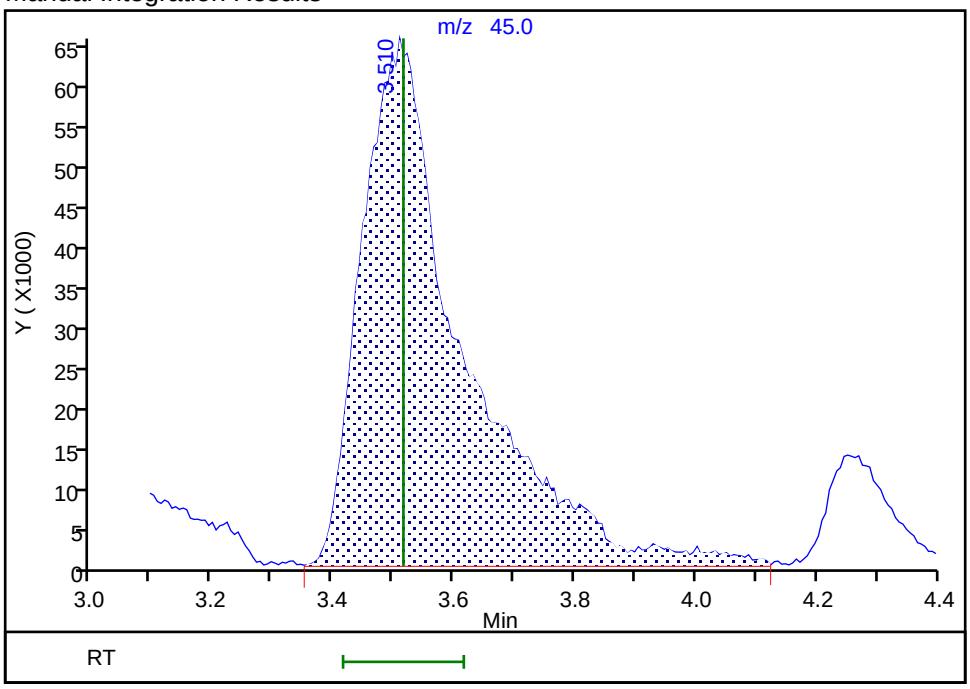
Processing Integration Results

RT: 3.51
Area: 756504
Amount: 623.5092
Amount Units: ug/l



Manual Integration Results

RT: 3.51
Area: 751159
Amount: 620.0856
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:29:21 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

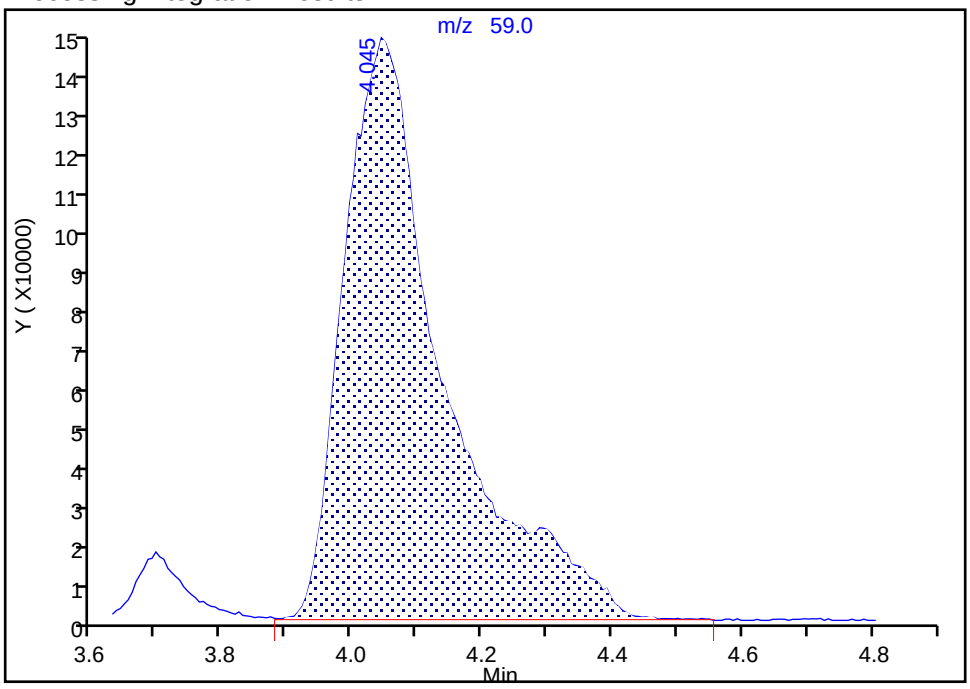
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X07.D
Injection Date: 31-Jan-2024 13:25:30 Instrument ID: 23297
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

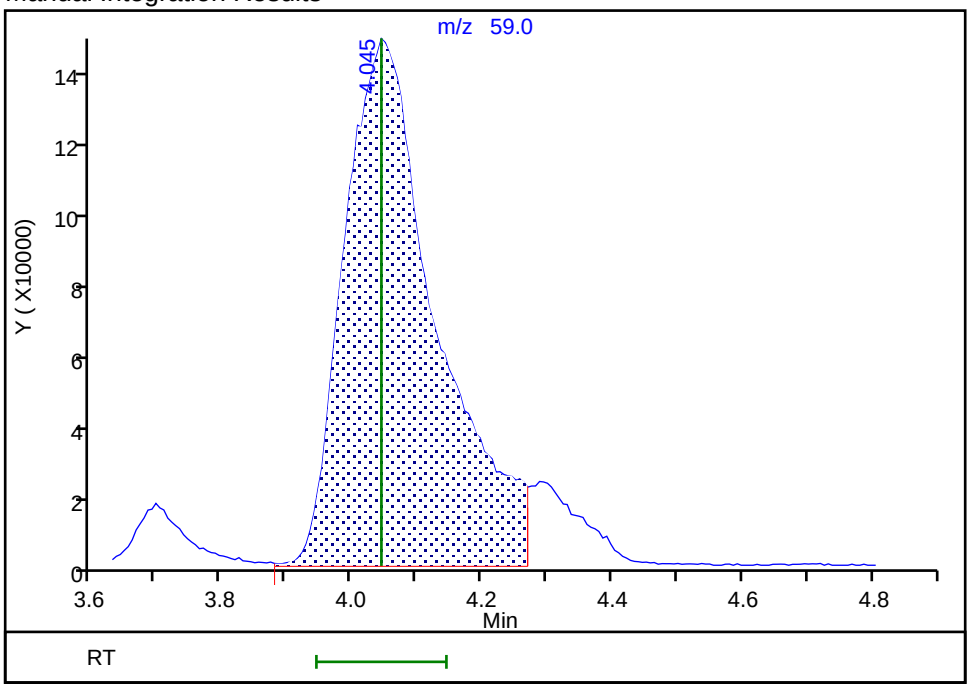
Processing Integration Results

RT: 4.04
Area: 1535295
Amount: 646.7111
Amount Units: ug/l



Manual Integration Results

RT: 4.04
Area: 1410785
Amount: 618.1255
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:29:34 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

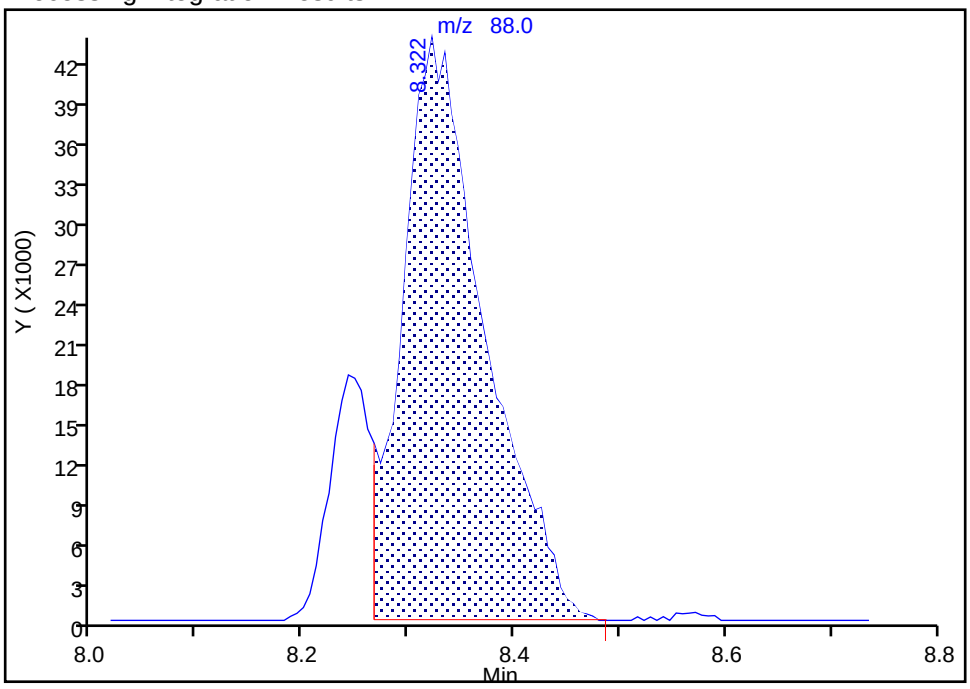
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X07.D
Injection Date: 31-Jan-2024 13:25:30 Instrument ID: 23297
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

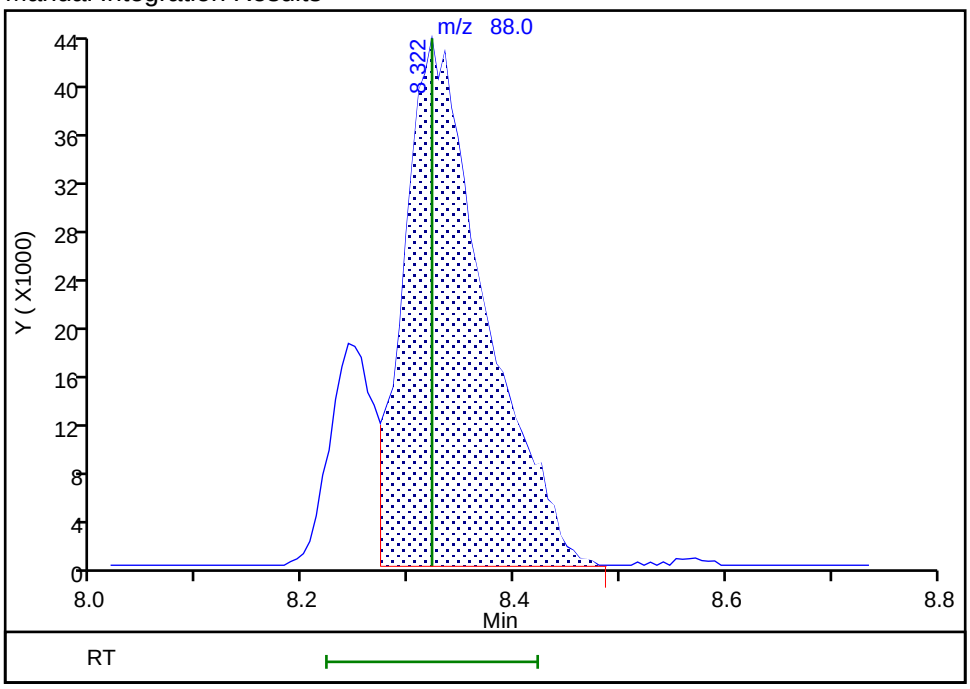
Processing Integration Results

RT: 8.32
Area: 237127
Amount: 1559.8321
Amount Units: ug/l



Manual Integration Results

RT: 8.32
Area: 232303
Amount: 1538.0662
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:29:49 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D
Lims ID: IC v300
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 31-Jan-2024 13:47:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0105215-009
Misc. Info.: ic v300
Operator ID: knk41612 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub95

Method: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 01-Feb-2024 16:11:38 Calib Date: 31-Jan-2024 13:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1617

First Level Reviewer: K4WN Date: 01-Feb-2024 16:09:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.812	1.812	0.000	99	3416401	300.0	309.1	
4 Chloromethane	50	1.995	1.995	0.000	99	2879509	300.0	265.5	
5 Vinyl chloride	62	2.098	2.098	0.000	98	2936657	300.0	278.7	
6 Butadiene	39	2.123	2.123	0.000	91	2833261	300.0	285.4	
8 Bromomethane	94	2.421	2.421	0.000	91	2161961	300.0	270.3	
9 Chloroethane	64	2.482	2.482	0.000	99	1553721	300.0	280.5	
10 Dichlorofluoromethane	67	2.725	2.725	0.000	96	4685757	300.0	279.5	
11 Trichlorofluoromethane	101	2.798	2.792	0.006	97	3981104	300.0	312.9	
12 Pentane	43	2.853	2.853	0.000	96	3963480	300.0	314.8	
13 Ethanol	45	2.914	2.938	-0.024	93	971544	7499.5	7548.3	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.084	3.078	0.006	90	2409640	300.0	290.1	
16 Acrolein	56	3.151	3.145	0.006	99	8469527	2999.9	2968.5	
18 Acetone	58	3.315	3.309	0.006	99	879256	600.0	622.2	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.321	3.315	0.006	92	2195343	300.0	305.7	
17 1,1-Dichloroethene	96	3.327	3.327	0.000	98	2057114	300.0	289.9	
21 Iodomethane	142	3.485	3.485	0.000	98	4061935	300.0	286.2	
20 Isopropyl alcohol	45	3.504	3.516	-0.012	28	1582297	1500.0	1313.2	M
22 Carbon disulfide	76	3.625	3.625	0.000	99	7167771	300.0	293.5	M
24 Methyl acetate	43	3.686	3.686	0.000	97	2524901	300.0	282.8	M
26 3-Chloro-1-propene	41	3.735	3.729	0.006	89	3020299	300.0	272.8	
27 Methylene Chloride	84	3.911	3.911	0.000	89	2238023	300.0	281.9	
* 28 t-Butyl alcohol-d10 (IS)	65	3.936	3.917	0.019	87	525325	250.0	250.0	
29 2-Methyl-2-propanol	59	4.051	4.045	0.006	99	2705675	1500.0	1191.8	M
30 Acrylonitrile	53	4.197	4.191	0.006	98	3530322	750.0	698.6	
31 Methyl tert-butyl ether	73	4.234	4.252	-0.018	95	5490522	300.0	261.6	
32 trans-1,2-Dichloroethene	96	4.295	4.288	0.006	99	2139176	300.0	295.3	
34 Hexane	57	4.714	4.708	0.006	93	2783984	300.0	318.5	
35 1,1-Dichloroethane	63	4.958	4.945	0.013	96	3590000	300.0	297.9	
37 Isopropyl ether	45	5.000	5.000	0.000	93	4981371	300.0	260.3	
38 2-Chloro-1,3-butadiene	53	5.061	5.055	0.006	91	3045749	300.0	310.8	

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	5.536	5.542	-0.006	97	5011325	300.0	259.0	
40 2-Butanone (MEK)	43	5.755	5.755	0.000	99	4172787	600.0	584.5	
41 cis-1,2-Dichloroethene	96	5.797	5.791	0.006	81	2324805	300.0	296.6	
42 2,2-Dichloropropane	77	5.809	5.803	0.006	89	3239535	300.0	283.7	
44 Propionitrile	54	5.846	5.840	0.006	97	3179738	1500.0	1409.0	
45 Methyl acrylate	55	5.888	5.888	0.000	100	3296772	300.0	286.4	
47 Methacrylonitrile	67	6.065	6.059	0.006	92	3347799	750.0	700.8	
48 Chlorobromomethane	128	6.132	6.120	0.012	90	1230797	300.0	292.8	
49 Tetrahydrofuran	71	6.132	6.126	0.006	85	2897057	1500.0	1422.8	
S 46 1,2-Dichloroethene, Total	100				0			591.9	
50 Chloroform	83	6.284	6.278	0.006	93	3633436	300.0	264.7	
$ 51 Dibromofluoromethane (Surr)	113	6.503	6.491	0.012	93	344727	50.0	50.7	
52 1,1,1-Trichloroethane	97	6.515	6.515	0.000	98	3348800	300.0	292.7	
53 Cyclohexane	56	6.612	6.606	0.006	90	3687166	300.0	299.6	
54 Carbon tetrachloride	117	6.728	6.722	0.006	96	3059521	300.0	304.8	
55 1,1-Dichloropropene	75	6.722	6.722	0.000	93	2575313	300.0	309.8	
56 Isobutyl alcohol	41	6.898	6.898	0.000	94	2347020	3750.0	3022.4	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.959	6.953	0.006	81	75584	50.0	49.5	
58 Benzene	78	6.990	6.983	0.007	96	7540118	300.0	296.6	
59 1,2-Dichloroethane	62	7.063	7.056	0.007	98	2710625	300.0	289.8	
61 Tert-amyl methyl ether	73	7.184	7.184	0.000	98	4950901	300.0	253.2	
* 62 Fluorobenzene (IS)	96	7.397	7.397	0.000	100	1276592	50.0	50.0	
63 n-Heptane	43	7.421	7.421	0.000	90	2558198	300.0	307.3	
64 n-Butanol	56	7.793	7.793	0.000	90	1952392	3750.0	3329.8	
66 Trichloroethene	95	7.884	7.884	0.000	98	2005076	300.0	298.3	
67 Ethyl acrylate	55	8.012	8.012	0.000	99	3513005	299.9	292.0	
68 Methylcyclohexane	83	8.200	8.194	0.006	92	3908585	300.0	309.4	
69 1,2-Dichloropropane	63	8.218	8.218	0.000	96	1891741	300.0	290.5	
70 2-ethoxy-2-methyl butane	87	8.243	8.243	0.000	93	2749481	300.0	266.6	
72 Methyl methacrylate	69	8.316	8.316	0.000	90	1964519	300.0	270.6	
73 1,4-Dioxane	88	8.322	8.322	0.000	34	504388	3750.0	3357.4	M
74 Dibromomethane	93	8.334	8.328	0.006	95	1401939	300.0	277.0	
75 Dichlorobromomethane	83	8.571	8.571	0.000	99	2551705	300.0	296.9	
76 2-Nitropropane	41	8.851	8.845	0.006	99	5381102	1500.0	1368.9	
77 2-Chloroethyl vinyl ether	63	8.948	8.948	0.000	92	1477236	300.0	266.3	
78 cis-1,3-Dichloropropene	75	9.137	9.137	0.000	96	3112597	300.0	280.8	
79 4-Methyl-2-pentanone (MIBK)	43	9.326	9.326	0.000	96	7614199	600.0	581.4	
$ 80 Toluene-d8 (Surr)	98	9.466	9.466	0.000	93	1234845	50.0	50.0	
81 Toluene	92	9.545	9.545	0.000	98	4697962	300.0	293.8	
82 trans-1,3-Dichloropropene	75	9.818	9.818	0.000	93	3096239	300.0	286.3	
100 Ethyl methacrylate	69	9.891	9.885	0.006	89	3296650	300.0	285.6	
118 1,1,2-Trichloroethane	97	10.025	10.031	-0.006	91	1899718	300.0	284.5	
S 114 1,3-Dichloropropene, Total	100				0			567.1	
119 Tetrachloroethene	166	10.116	10.116	0.000	97	2160801	300.0	302.0	
120 1,3-Dichloropropane	76	10.196	10.196	0.000	92	2964098	300.0	280.7	
123 2-Hexanone	43	10.256	10.256	0.000	96	6100065	600.0	600.1	
125 Chlorodibromomethane	129	10.415	10.415	0.000	90	2292167	300.0	300.9	
127 Ethylene Dibromide	107	10.524	10.524	0.000	99	2251006	300.0	280.9	
* 128 Chlorobenzene-d5 (IS)	117	10.974	10.974	0.000	84	1002103	50.0	50.0	
129 1-Chlorohexane	91	10.986	10.986	0.000	97	2510192	300.0	283.2	
130 Chlorobenzene	112	10.999	10.999	0.000	95	5504506	300.0	283.1	
131 1,1,1,2-Tetrachloroethane	131	11.084	11.084	0.000	97	2272879	300.0	315.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
132 Ethylbenzene	91	11.090	11.090	0.000	98	8972787	300.0	280.1	
134 m-Xylene & p-Xylene	106	11.212	11.205	0.007	97	7355706	600.0	577.5	
S 133 Xylenes, Total	106				0			876.1	
135 n-Butyl acrylate	55	11.497	11.497	0.000	97	4807465	300.0	314.6	
136 o-Xylene	106	11.546	11.540	0.006	96	3965167	300.0	298.6	
137 Styrene	104	11.558	11.558	0.000	94	6314922	300.0	287.2	
138 Bromoform	173	11.710	11.710	0.000	97	1982845	300.0	301.0	
139 Isopropylbenzene	105	11.850	11.850	0.000	96	9078271	300.0	296.3	
141 Cyclohexanone	55	11.923	11.917	0.006	92	2184885	3749.9	3992.0	
$ 142 4-Bromofluorobenzene (Surr)	95	11.990	11.990	0.000	92	517427	50.0	49.6	
143 1,1,2,2-Tetrachloroethane	83	12.100	12.100	0.000	95	3577855	300.0	281.4	
144 Bromobenzene	156	12.106	12.106	0.000	96	2704979	300.0	288.0	
145 trans-1,4-Dichloro-2-butene	53	12.124	12.124	0.000	91	3207133	750.0	731.8	
146 1,2,3-Trichloropropane	110	12.142	12.142	0.000	83	1139845	300.0	283.0	
147 N-Propylbenzene	91	12.185	12.185	0.000	97	10509022	300.0	279.1	
148 2-Chlorotoluene	126	12.258	12.258	0.000	97	2550867	300.0	298.6	
149 1,3,5-Trimethylbenzene	105	12.325	12.319	0.006	95	8295020	300.0	296.5	
150 4-Chlorotoluene	126	12.349	12.349	0.000	97	2586337	300.0	292.5	
153 tert-Butylbenzene	134	12.568	12.562	0.006	93	1721611	300.0	328.9	
155 1,2,4-Trimethylbenzene	105	12.611	12.611	0.000	97	8452865	300.0	288.8	
156 sec-Butylbenzene	105	12.732	12.726	0.006	95	9861722	300.0	288.9	
158 1,3-Dichlorobenzene	146	12.824	12.824	0.000	97	5058240	300.0	283.2	
159 4-Isopropyltoluene	119	12.842	12.836	0.006	96	8807911	300.0	286.8	
* 160 1,4-Dichlorobenzene-d4	152	12.885	12.885	0.000	89	632800	50.0	50.0	
161 1,4-Dichlorobenzene	146	12.903	12.903	0.000	94	5143188	300.0	276.6	
162 1,2,3-Trimethylbenzene	105	12.915	12.915	0.000	98	8689989	300.0	283.0	
163 Benzyl chloride	91	12.976	12.976	0.000	98	7837227	300.0	284.6	
164 1,3-Diethylbenzene	119	13.043	13.043	0.000	94	5340618	300.0	291.6	
165 p-Diethylbenzene	119	13.116	13.116	0.000	92	5542609	300.0	285.6	
166 n-Butylbenzene	92	13.134	13.134	0.000	97	4443527	300.0	291.5	
167 1,2-Dichlorobenzene	146	13.158	13.158	0.000	98	5019027	300.0	278.7	
168 o-diethylbenzene	119	13.189	13.183	0.006	95	4402223	300.0	293.5	
170 1,2-Dibromo-3-Chloropropane	75	13.706	13.706	0.000	89	991473	300.0	254.3	
171 1,3,5-Trichlorobenzene	180	13.834	13.834	0.000	98	3080128	300.0	244.9	
172 1,2,4-Trichlorobenzene	180	14.259	14.259	0.000	95	2537822	300.0	211.5	
173 2-Ethylhexyl acrylate	55	14.320	14.320	0.000	81	1543169	300.0	211.7	
174 Hexachlorobutadiene	225	14.345	14.345	0.000	97	1134018	300.0	253.4	
175 Naphthalene	128	14.436	14.436	0.000	98	8011571	300.0	173.8	
176 1,2,3-Trichlorobenzene	180	14.582	14.582	0.000	96	1928323	300.0	162.8	
177 2-Methylnaphthalene	142	15.184	15.184	0.000	92	1825220	300.0	94.0	
S 186 Total Diethylbenzene	1				0			870.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00168	Amount Added:	15.00	Units: uL	
MSV_CCV_VOC#3_00164	Amount Added:	12.00	Units: uL	
MSV_CCV_2CEVE_00160	Amount Added:	15.00	Units: uL	
MSV_CCV_ETOH_00005	Amount Added:	30.00	Units: uL	
MSV_CCV_GASES_00717	Amount Added:	7.50	Units: uL	
MSV_CCV_CYC_00008	Amount Added:	30.00	Units: uL	
MSV_CCV_OH_Sp_00005	Amount Added:	15.00	Units: uL	
MSV_HP04_ISSS_00001	Amount Added:	1.00	Units: uL	Run Reagent

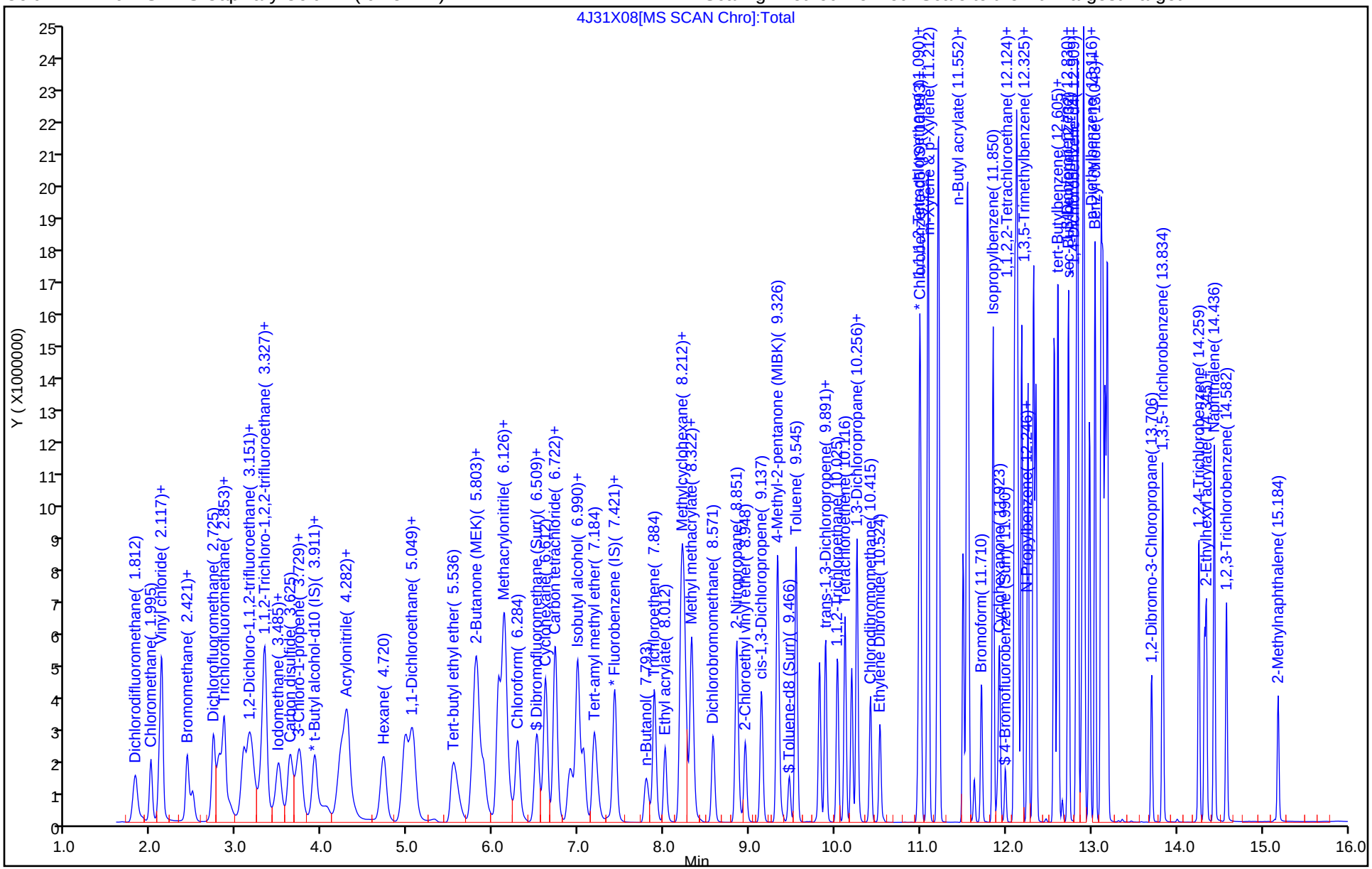
Report Date: 01-Feb-2024 16:11:39 Chrom Revision: 2.3 24-Jan-2024 12:19:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D

Injection Date:	31-Jan-2024 13:47:30	Instrument ID:	23297	Operator ID:	knk41612
Lims ID:	IC v300			Worklist Smp#:	9
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

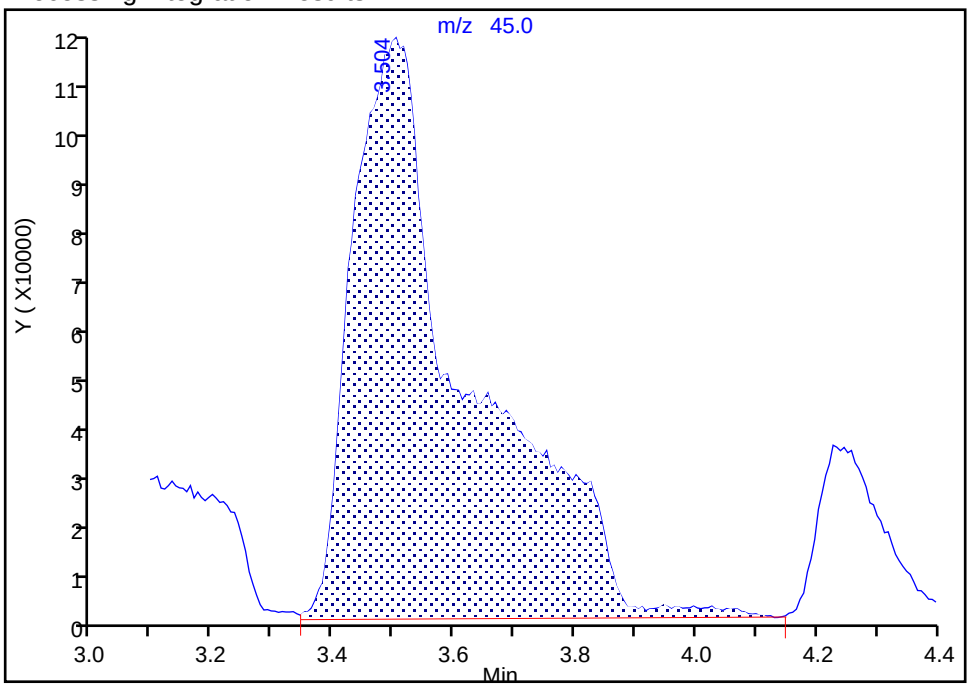
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D
Injection Date: 31-Jan-2024 13:47:30 Instrument ID: 23297
Lims ID: IC v300
Client ID:
Operator ID: knk41612 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

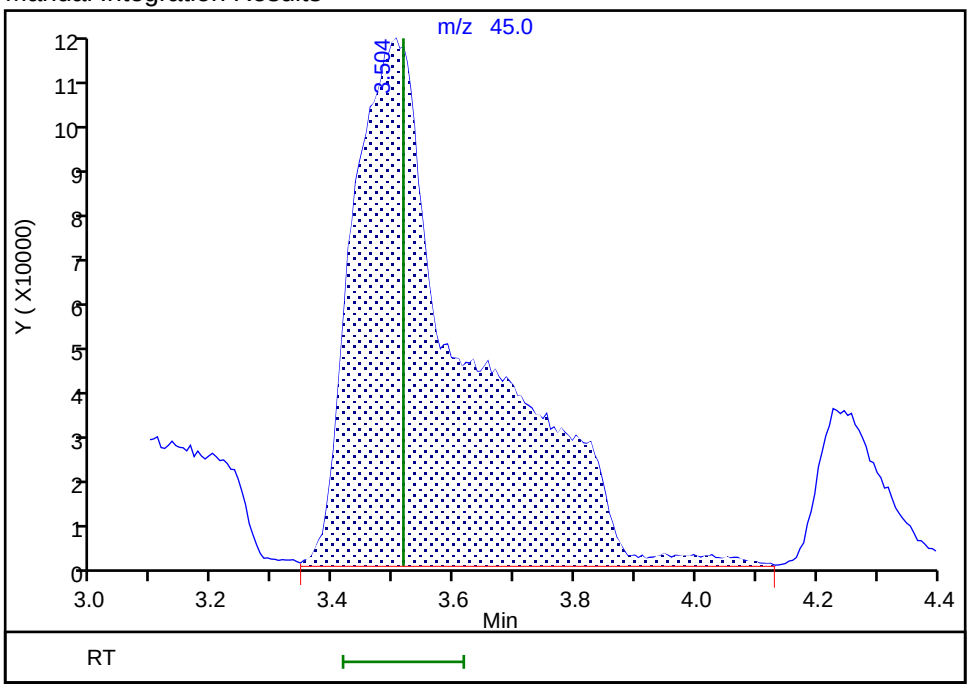
Processing Integration Results

RT: 3.50
Area: 1586409
Amount: 1316.1760
Amount Units: ug/l



Manual Integration Results

RT: 3.50
Area: 1582297
Amount: 1313.1911
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:39:28 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

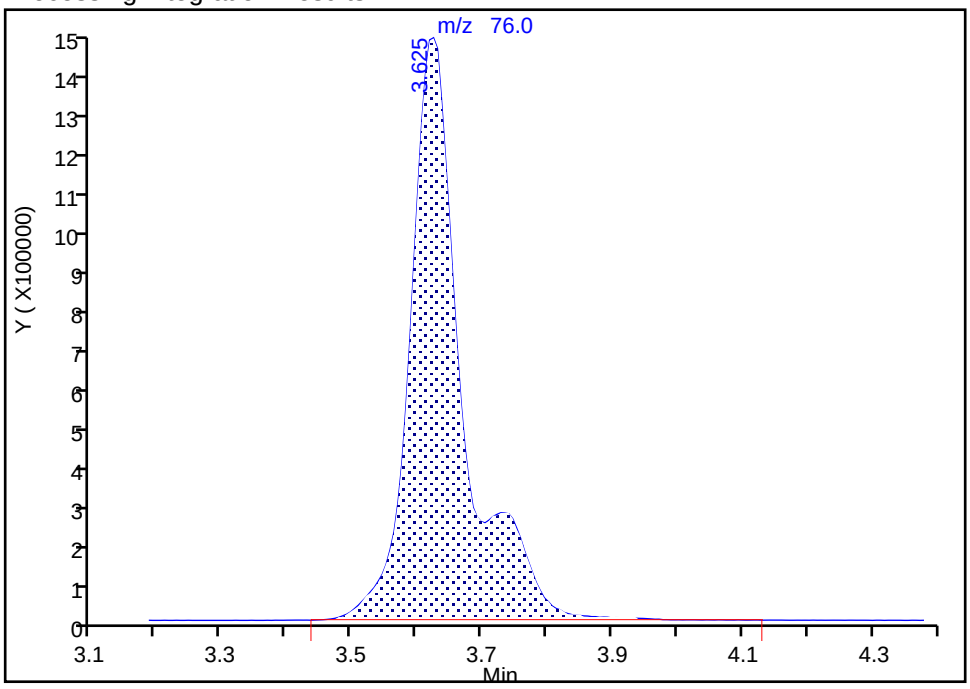
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D
Injection Date: 31-Jan-2024 13:47:30 Instrument ID: 23297
Lims ID: IC v300
Client ID:
Operator ID: knk41612 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

22 Carbon disulfide, CAS: 75-15-0

Signal: 1

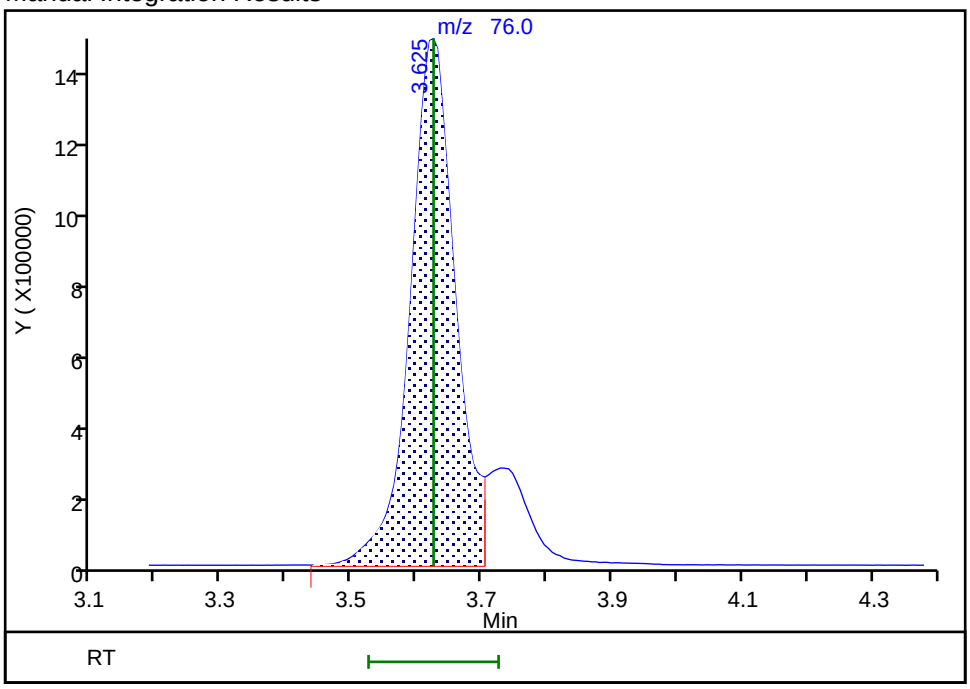
Processing Integration Results

RT: 3.63
Area: 8395435
Amount: 335.6814
Amount Units: ug/l



Manual Integration Results

RT: 3.63
Area: 7167771
Amount: 293.4541
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:39:34 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

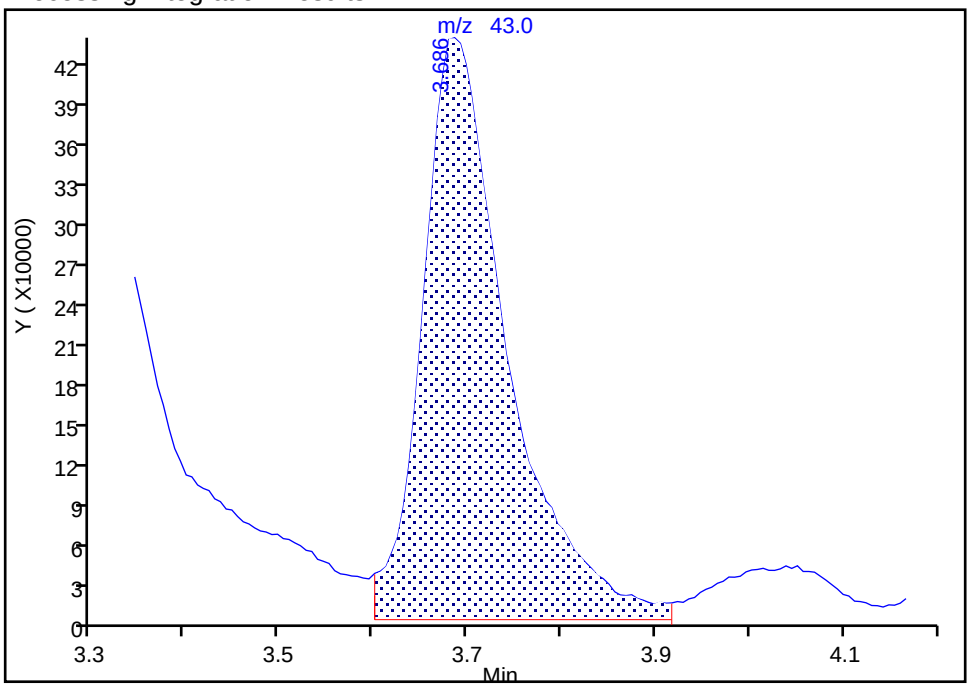
Data File:	\\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D				
Injection Date:	31-Jan-2024 13:47:30	Instrument ID:	23297		
Lims ID:	IC v300				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

24 Methyl acetate, CAS: 79-20-9

Signal: 1

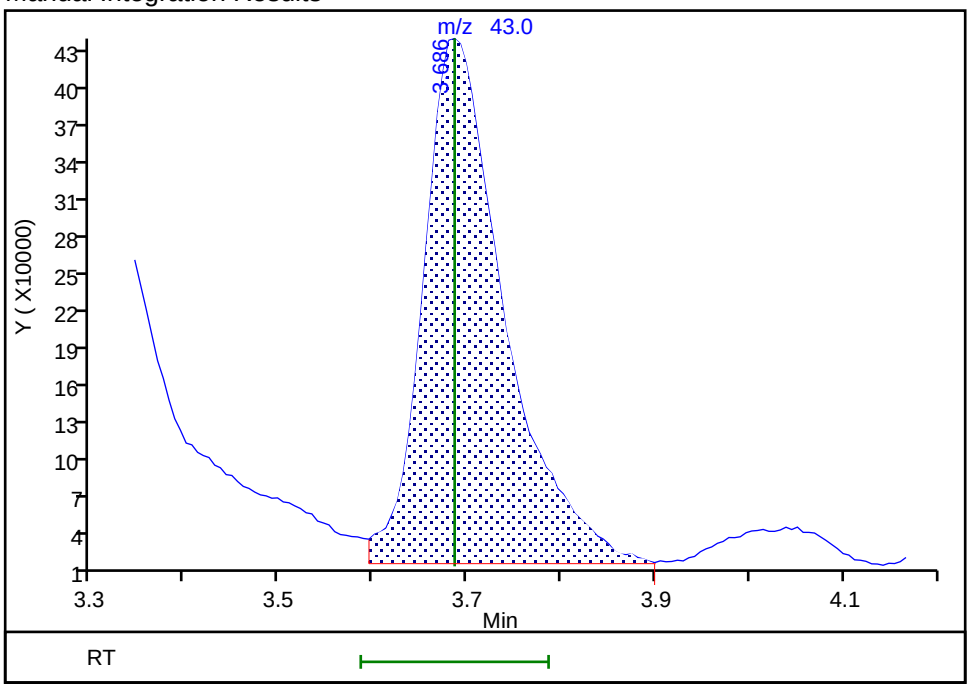
Processing Integration Results

RT: 3.69
Area: 2707258
Amount: 300.3356
Amount Units: ug/l



Manual Integration Results

RT: 3.69
Area: 2524901
Amount: 282.8300
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:39:57 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

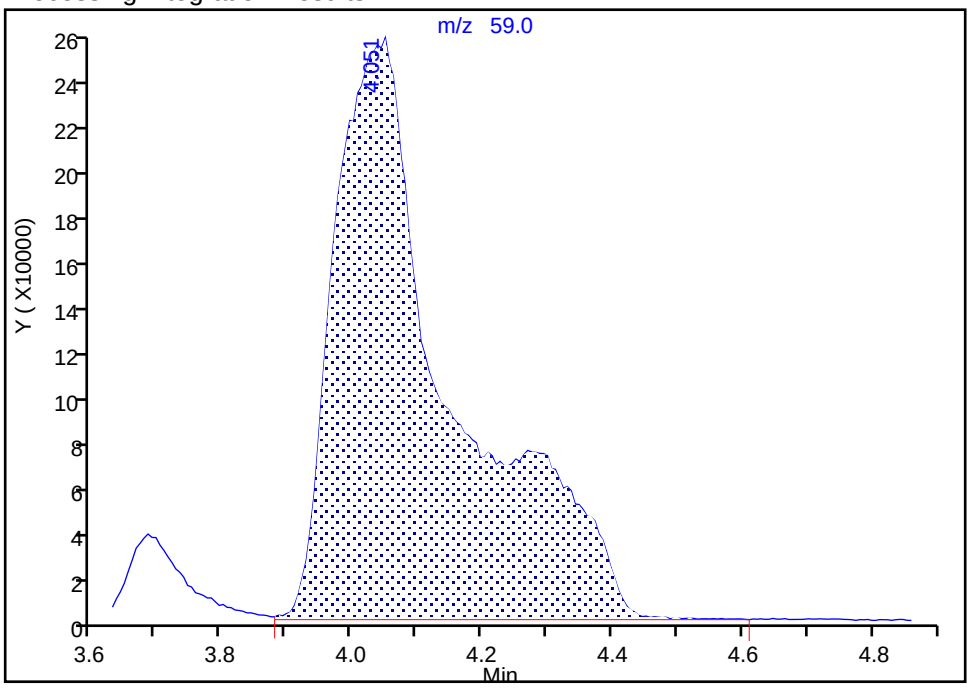
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D
Injection Date: 31-Jan-2024 13:47:30 Instrument ID: 23297
Lims ID: IC v300
Client ID:
Operator ID: knk41612 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

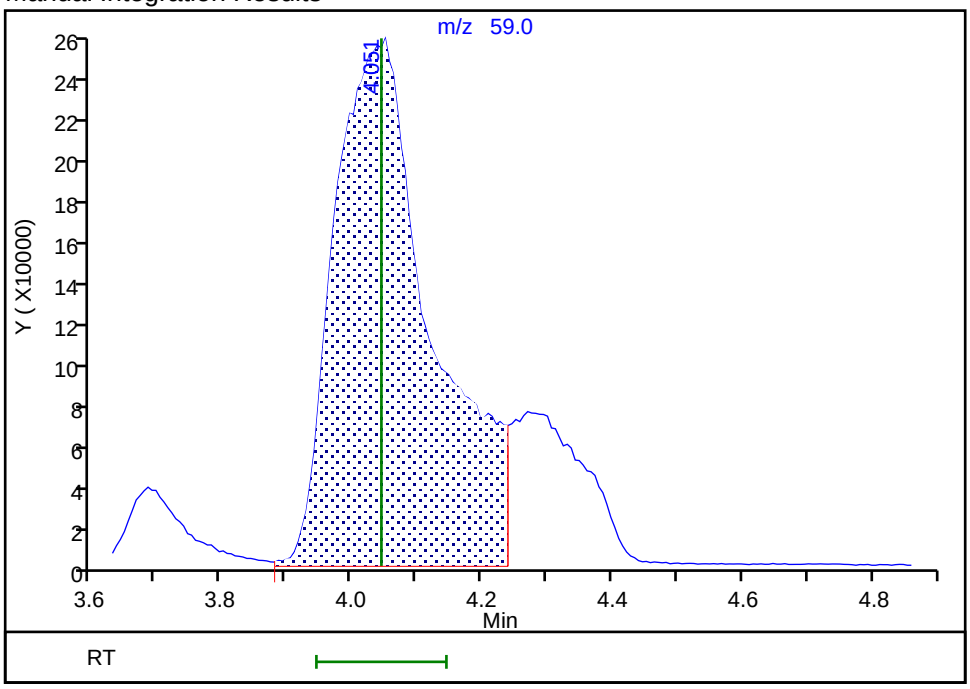
Processing Integration Results

RT: 4.05
Area: 3291274
Amount: 1415.0109
Amount Units: ug/l



Manual Integration Results

RT: 4.05
Area: 2705675
Amount: 1191.8226
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:40:07 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

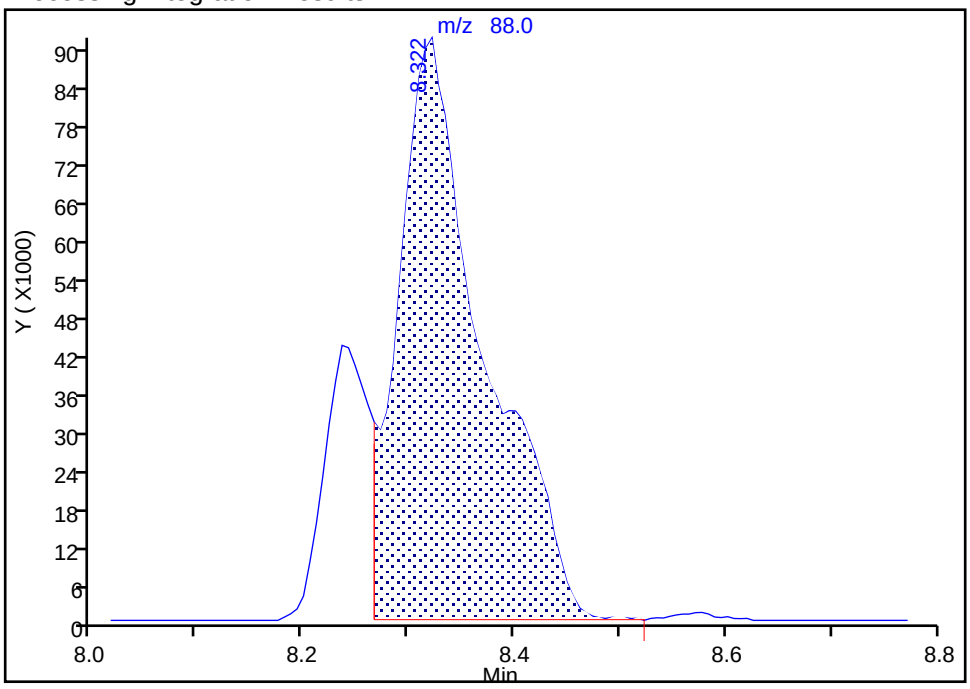
Data File:	\\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D				
Injection Date:	31-Jan-2024 13:47:30	Instrument ID:	23297		
Lims ID:	IC v300				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

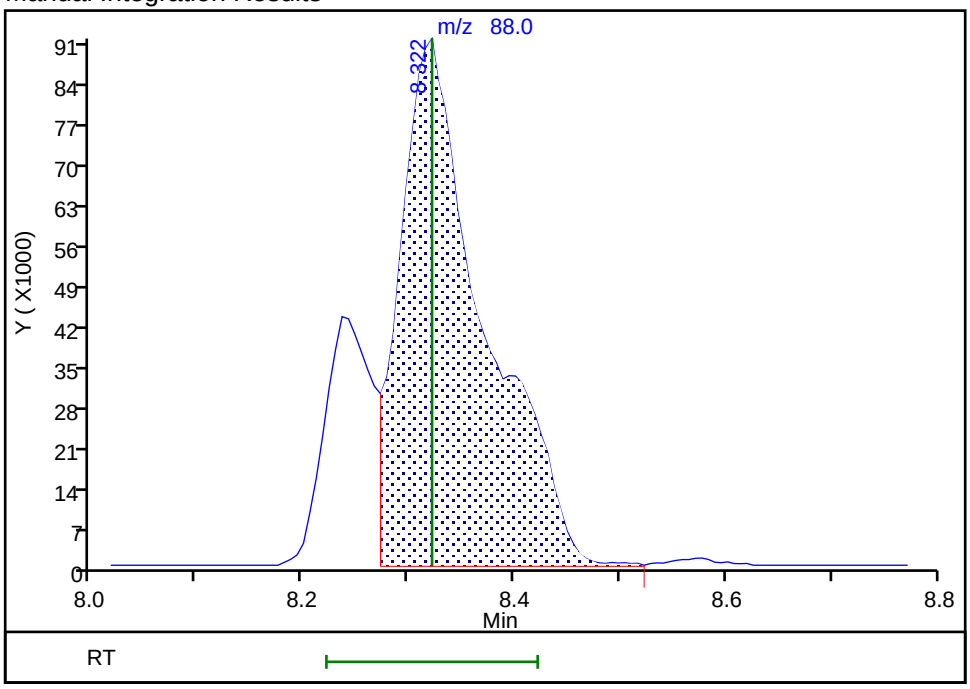
Processing Integration Results

RT: 8.32
Area: 515714
Amount: 3422.9756
Amount Units: ug/l



Manual Integration Results

RT: 8.32
Area: 504388
Amount: 3357.4159
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 16:40:22 -05:00:00 (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

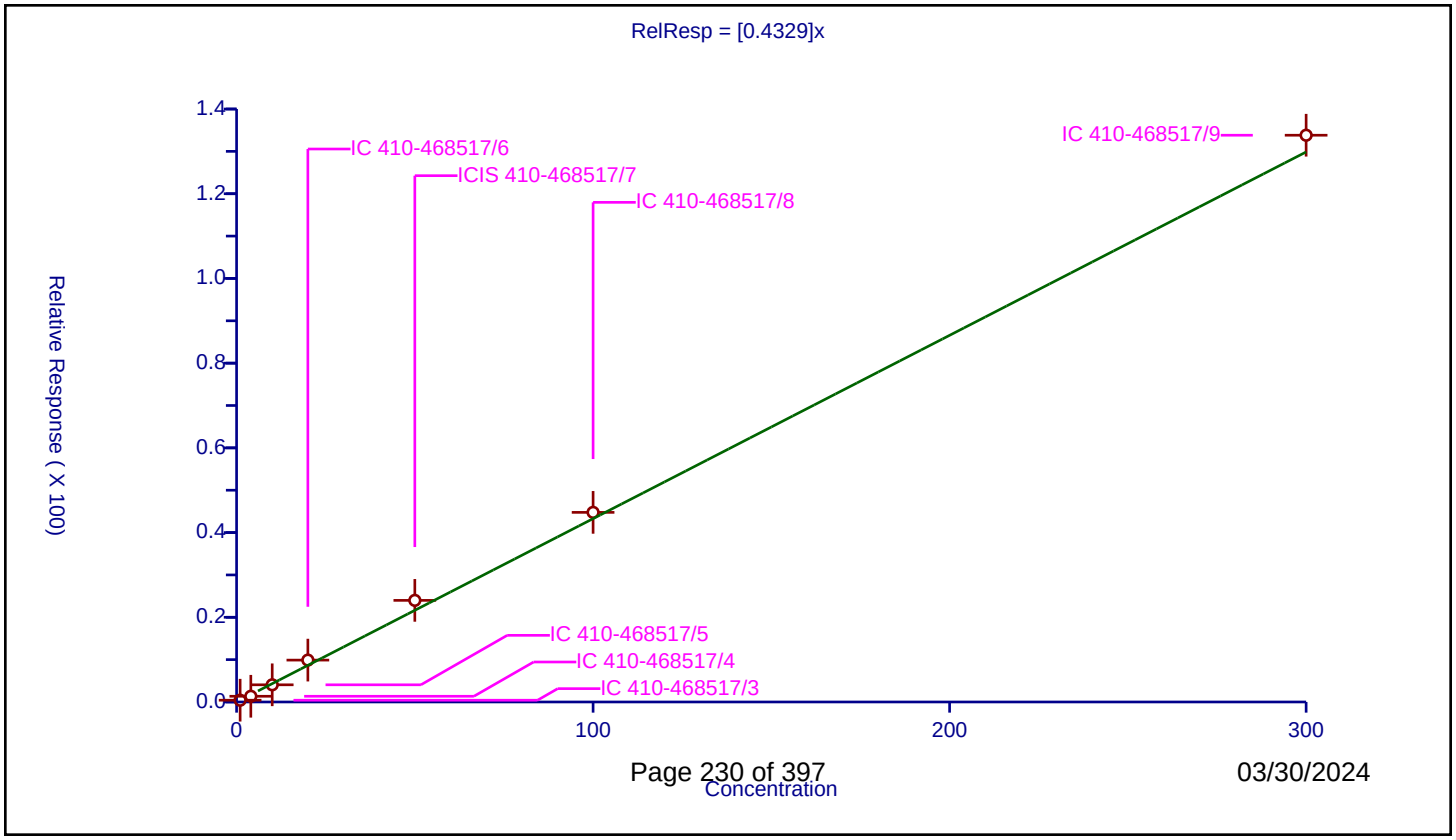
Curve Coefficients

Intercept:	0
Slope:	0.4329

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.418632	50.0	1273315.0	0.418632	Y
2	IC 410-468517/4	4.0	1.351885	50.0	1269154.0	0.337971	Y
3	IC 410-468517/5	10.0	4.055557	50.0	1213286.0	0.405556	Y
4	IC 410-468517/6	20.0	9.886804	50.0	1234580.0	0.49434	Y
5	ICIS 410-468517/7	50.0	23.989501	50.0	1250447.0	0.47979	Y
6	IC 410-468517/8	100.0	44.769933	50.0	1304381.0	0.447699	Y
7	IC 410-468517/9	300.0	133.809432	50.0	1276592.0	0.446031	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

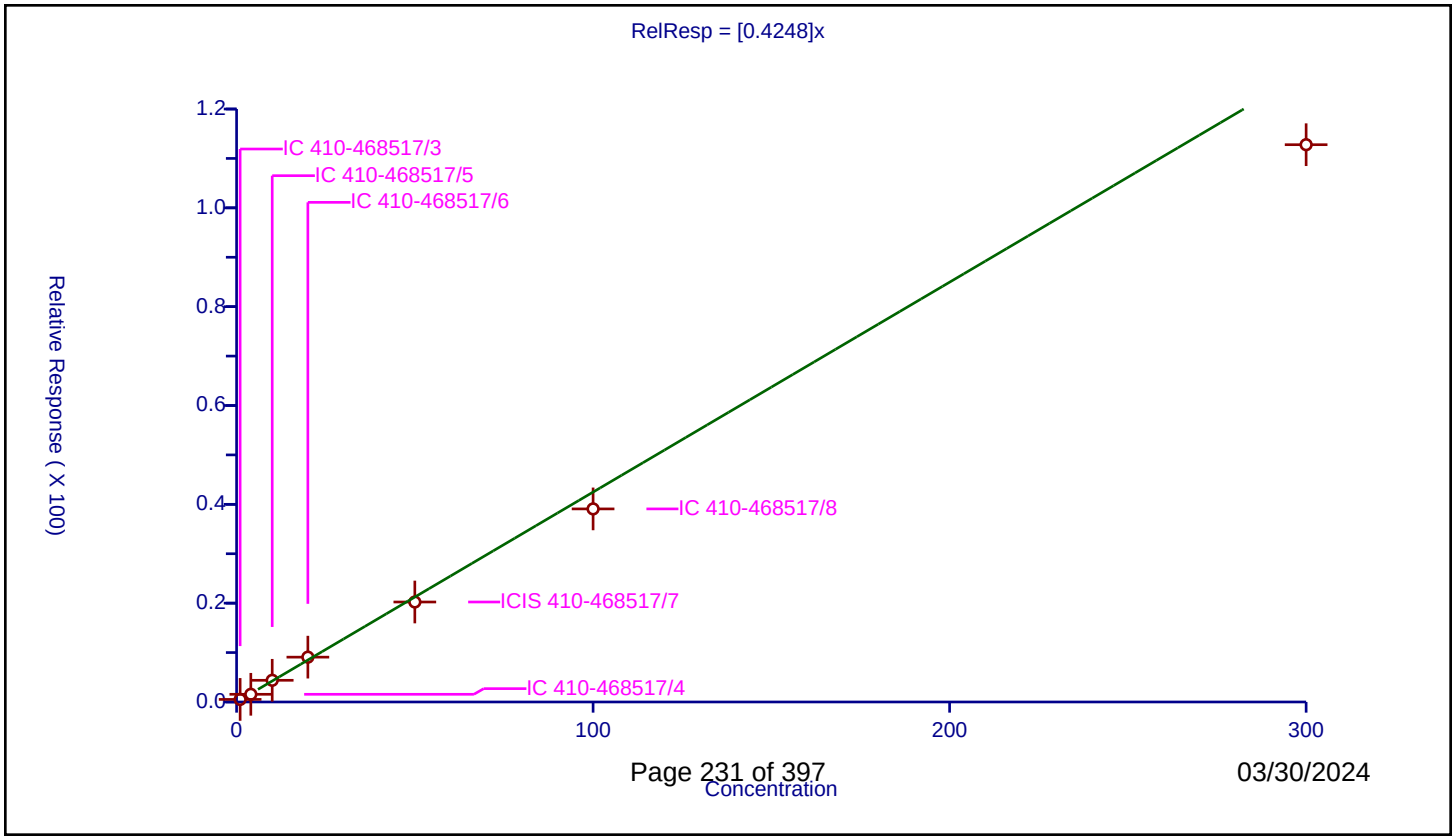
Curve Coefficients

Intercept:	0
Slope:	0.4248

Error Coefficients

Relative Standard Deviation:	11.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.519785	50.0	1273315.0	0.519785	Y
2	IC 410-468517/4	4.0	1.558597	50.0	1269154.0	0.389649	Y
3	IC 410-468517/5	10.0	4.389526	50.0	1213286.0	0.438953	Y
4	IC 410-468517/6	20.0	9.074787	50.0	1234580.0	0.453739	Y
5	ICIS 410-468517/7	50.0	20.235444	50.0	1250447.0	0.404709	Y
6	IC 410-468517/8	100.0	39.074205	50.0	1304381.0	0.390742	Y
7	IC 410-468517/9	300.0	112.7811	50.0	1276592.0	0.375937	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

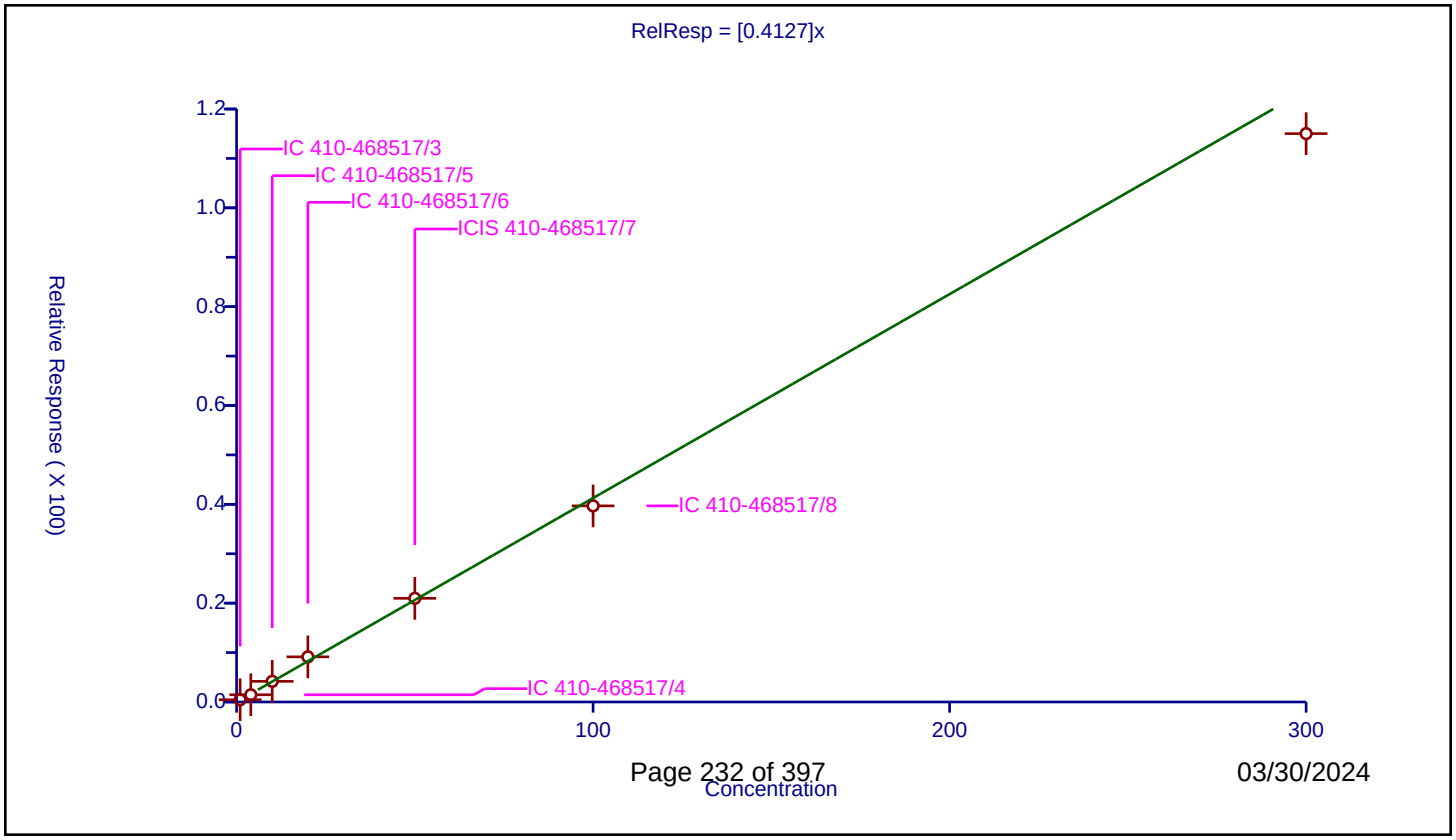
Curve Coefficients

Intercept:	0
Slope:	0.4127

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.448907	50.0	1273315.0	0.448907	Y
2	IC 410-468517/4	4.0	1.461052	50.0	1269154.0	0.365263	Y
3	IC 410-468517/5	10.0	4.17993	50.0	1213286.0	0.417993	Y
4	IC 410-468517/6	20.0	9.136062	50.0	1234580.0	0.456803	Y
5	ICIS 410-468517/7	50.0	20.977738	50.0	1250447.0	0.419555	Y
6	IC 410-468517/8	100.0	39.686066	50.0	1304381.0	0.396861	Y
7	IC 410-468517/9	300.0	115.019403	50.0	1276592.0	0.383398	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

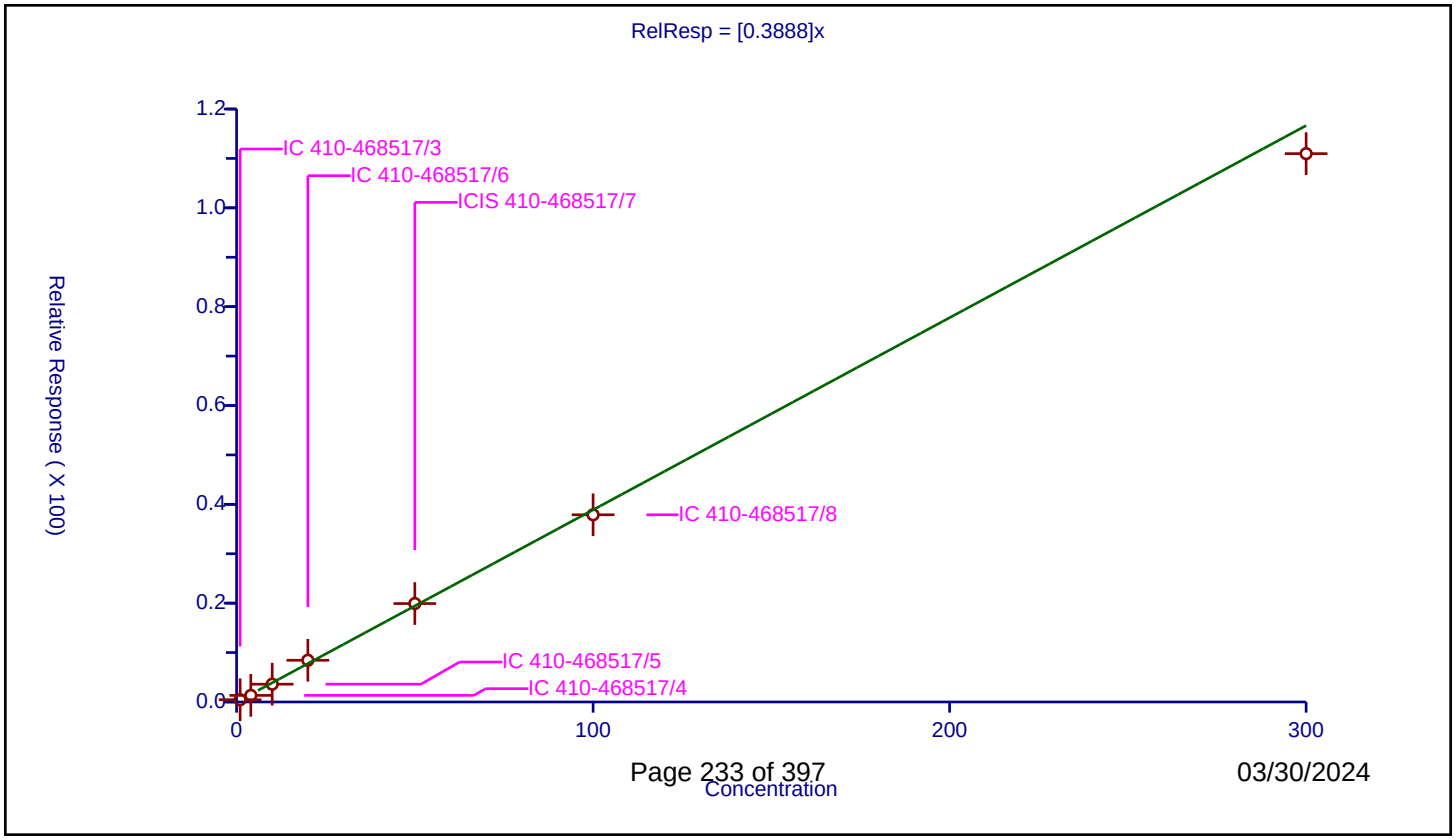
Curve Coefficients

Intercept:	0
Slope:	0.3888

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.457899	50.0	1273315.0	0.457899	Y
2	IC 410-468517/4	4.0	1.337229	50.0	1269154.0	0.334307	Y
3	IC 410-468517/5	10.0	3.602902	50.0	1213286.0	0.36029	Y
4	IC 410-468517/6	20.0	8.443722	50.0	1234580.0	0.422186	Y
5	ICIS 410-468517/7	50.0	19.918597	50.0	1250447.0	0.398372	Y
6	IC 410-468517/8	100.0	37.88732	50.0	1304381.0	0.378873	Y
7	IC 410-468517/9	300.0	110.969715	50.0	1276592.0	0.369899	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

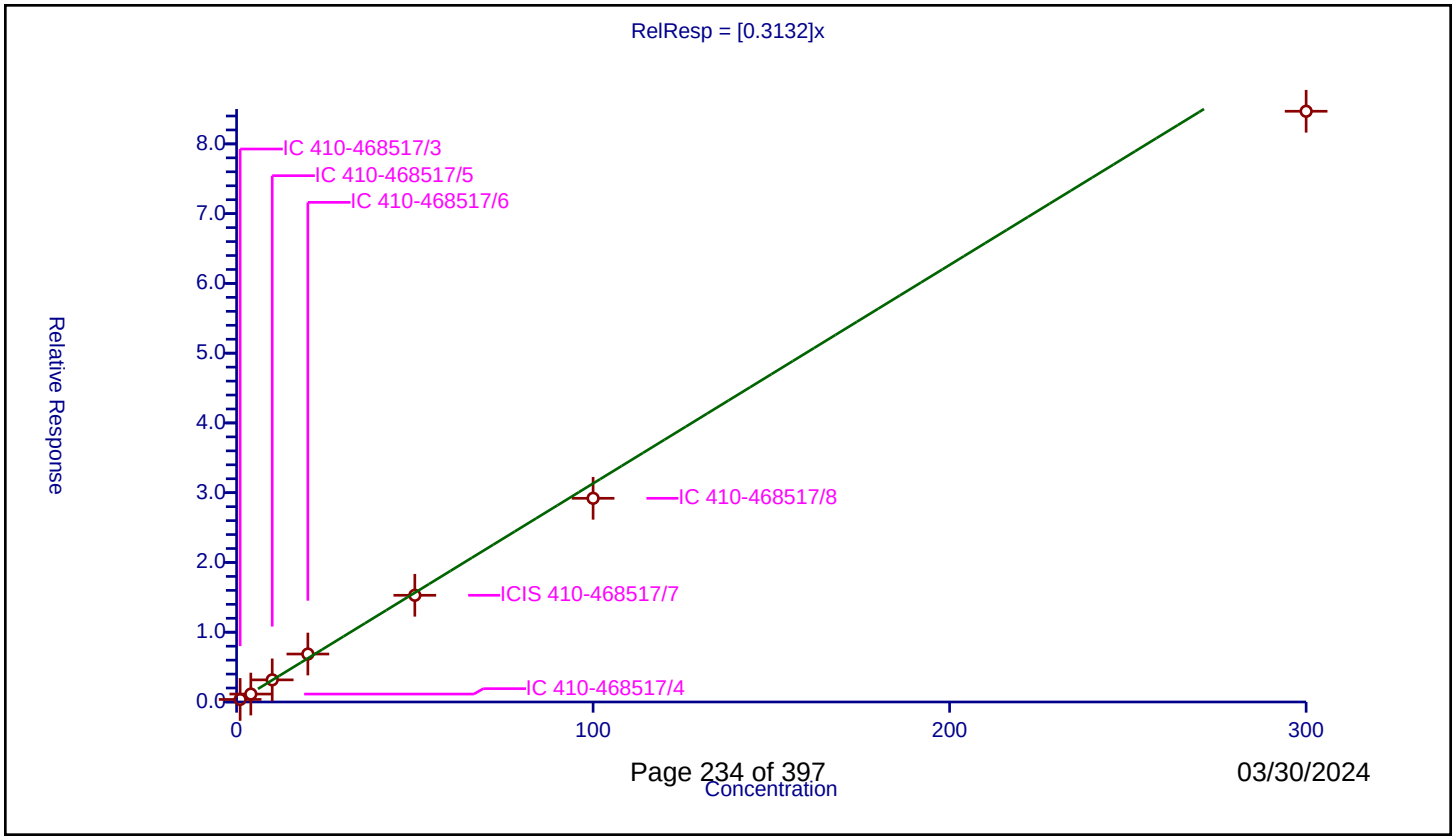
Curve Coefficients

Intercept:	0
Slope:	0.3132

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.366838	50.0	1273315.0	0.366838	Y
2	IC 410-468517/4	4.0	1.138514	50.0	1269154.0	0.284629	Y
3	IC 410-468517/5	10.0	3.172047	50.0	1213286.0	0.317205	Y
4	IC 410-468517/6	20.0	6.876306	50.0	1234580.0	0.343815	Y
5	ICIS 410-468517/7	50.0	15.294051	50.0	1250447.0	0.305881	Y
6	IC 410-468517/8	100.0	29.199214	50.0	1304381.0	0.291992	Y
7	IC 410-468517/9	300.0	84.677054	50.0	1276592.0	0.282257	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

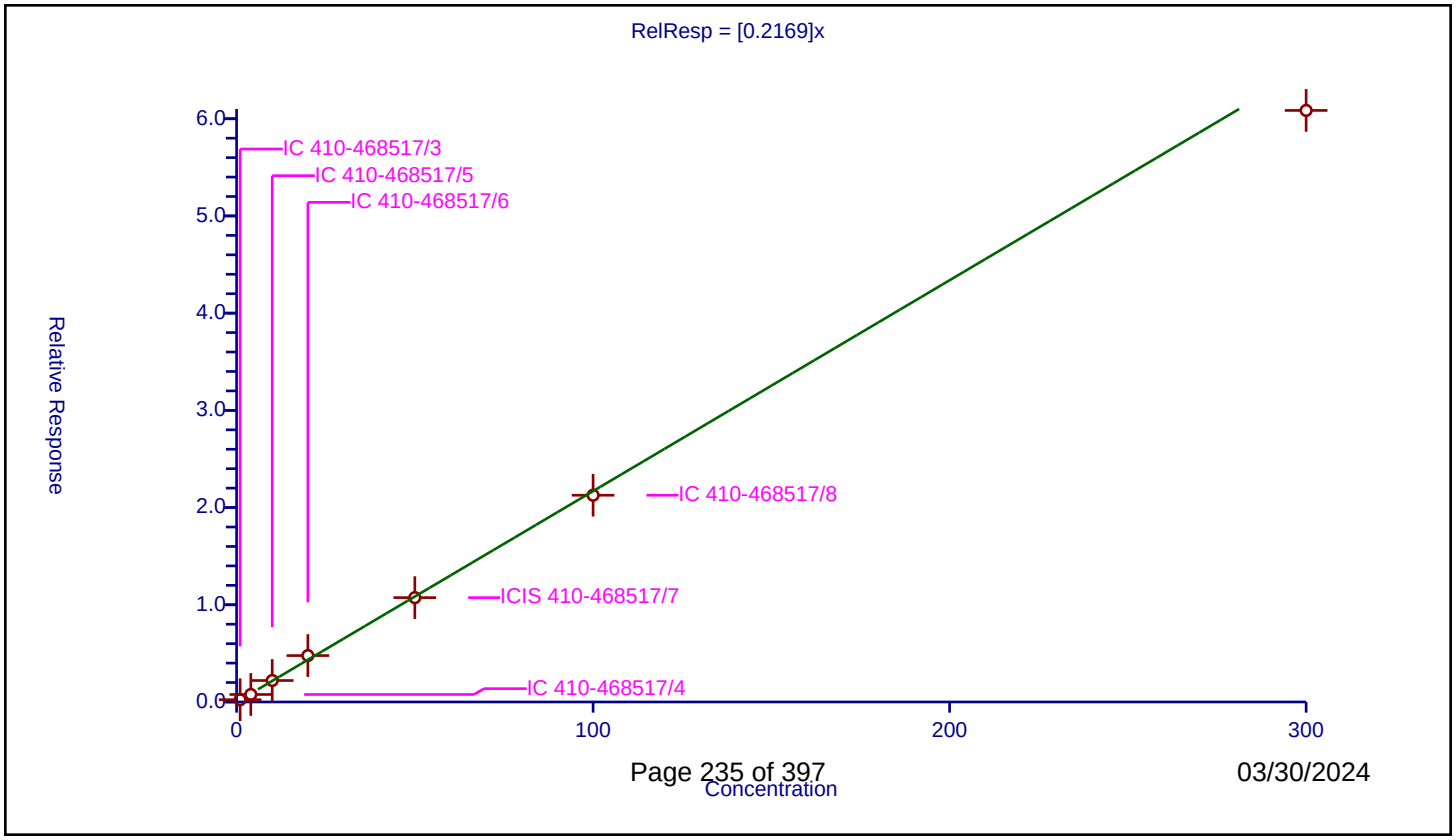
Curve Coefficients

Intercept:	0
Slope:	0.2169

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.235331	50.0	1273315.0	0.235331	Y
2	IC 410-468517/4	4.0	0.77335	50.0	1269154.0	0.193337	Y
3	IC 410-468517/5	10.0	2.208919	50.0	1213286.0	0.220892	Y
4	IC 410-468517/6	20.0	4.773648	50.0	1234580.0	0.238682	Y
5	ICIS 410-468517/7	50.0	10.734281	50.0	1250447.0	0.214686	Y
6	IC 410-468517/8	100.0	21.269821	50.0	1304381.0	0.212698	Y
7	IC 410-468517/9	300.0	60.854251	50.0	1276592.0	0.202848	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

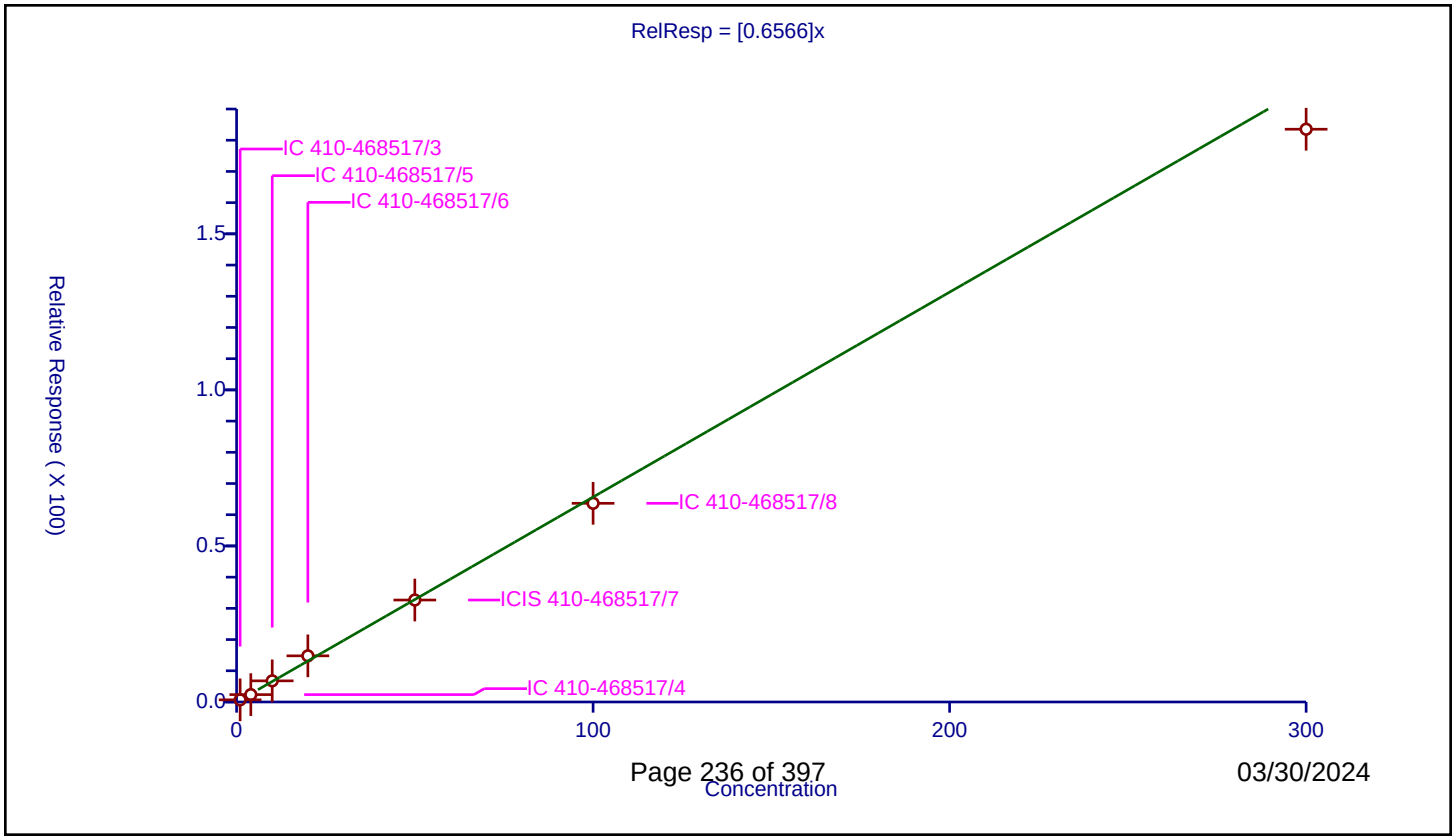
Curve Coefficients

Intercept:	0
Slope:	0.6566

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.6884	50.0	1273315.0	0.6884	Y
2	IC 410-468517/4	4.0	2.358618	50.0	1269154.0	0.589655	Y
3	IC 410-468517/5	10.0	6.772805	50.0	1213286.0	0.677281	Y
4	IC 410-468517/6	20.0	14.782193	50.0	1234580.0	0.73911	Y
5	ICIS 410-468517/7	50.0	32.670997	50.0	1250447.0	0.65342	Y
6	IC 410-468517/8	100.0	63.664987	50.0	1304381.0	0.63665	Y
7	IC 410-468517/9	300.0	183.526021	50.0	1276592.0	0.611753	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

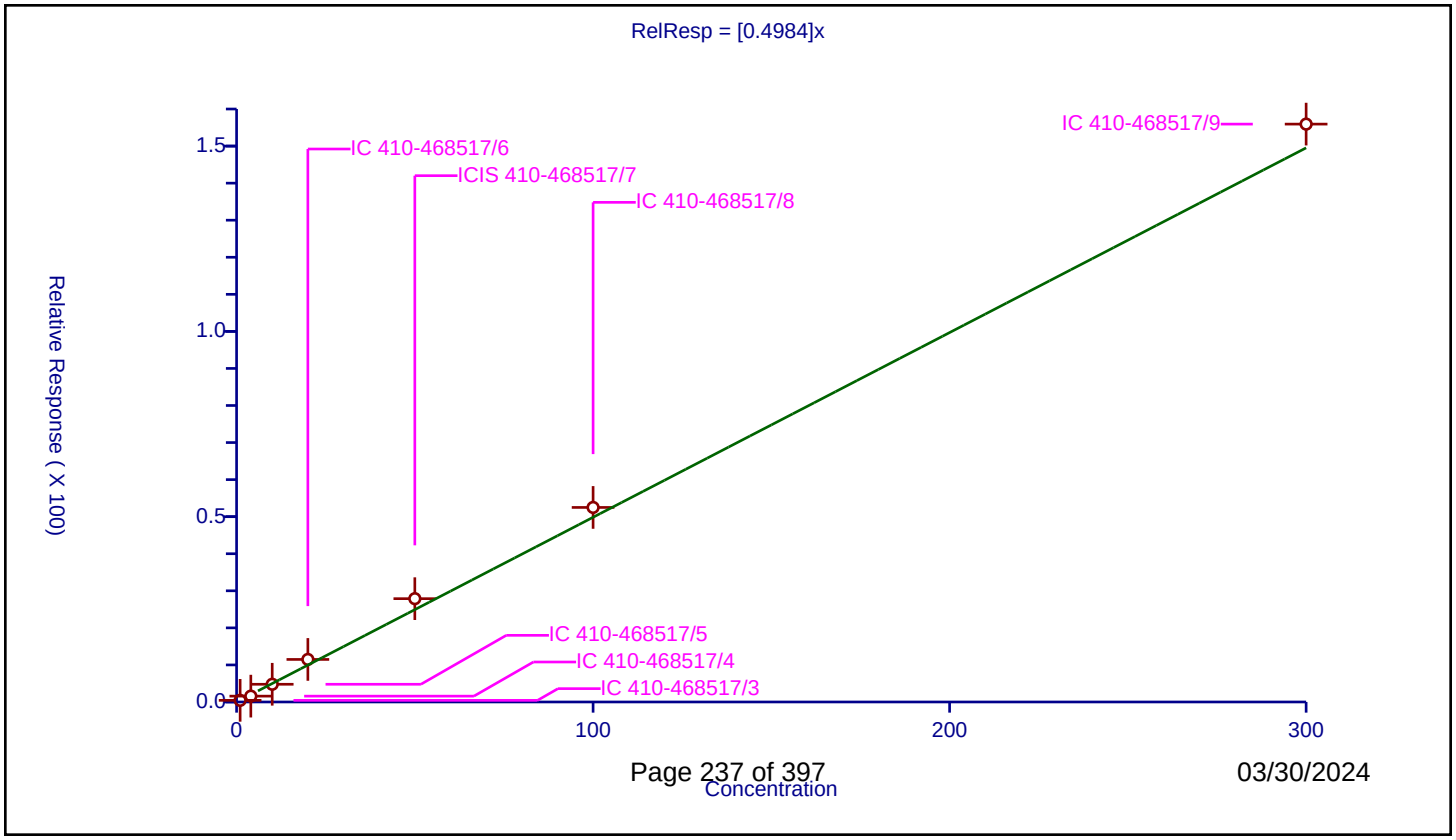
Curve Coefficients

Intercept:	0
Slope:	0.4984

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.439286	50.0	1273315.0	0.439286	Y
2	IC 410-468517/4	4.0	1.58125	50.0	1269154.0	0.395313	Y
3	IC 410-468517/5	10.0	4.777851	50.0	1213286.0	0.477785	Y
4	IC 410-468517/6	20.0	11.479977	50.0	1234580.0	0.573999	Y
5	ICIS 410-468517/7	50.0	27.88099	50.0	1250447.0	0.55762	Y
6	IC 410-468517/8	100.0	52.495398	50.0	1304381.0	0.524954	Y
7	IC 410-468517/9	300.0	155.927031	50.0	1276592.0	0.519757	Y



Calibration / Pentane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

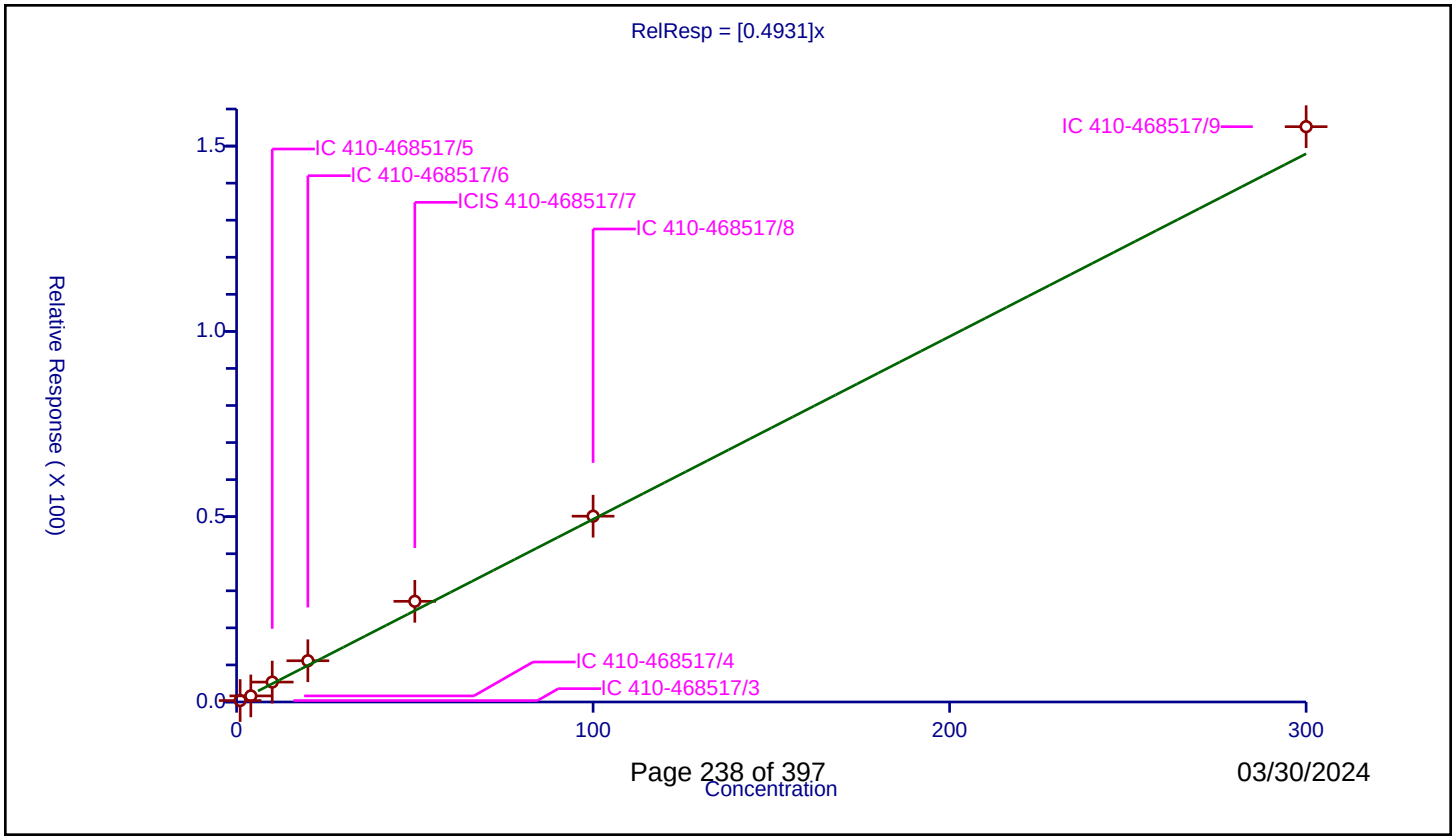
Curve Coefficients

Intercept:	0
Slope:	0.4931

Error Coefficients

Relative Standard Deviation:	13.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.386197	50.0	1273315.0	0.386197	Y
2	IC 410-468517/4	4.0	1.640502	50.0	1269154.0	0.410126	Y
3	IC 410-468517/5	10.0	5.368561	50.0	1213286.0	0.536856	Y
4	IC 410-468517/6	20.0	11.125443	50.0	1234580.0	0.556272	Y
5	ICIS 410-468517/7	50.0	27.169484	50.0	1250447.0	0.54339	Y
6	IC 410-468517/8	100.0	50.131863	50.0	1304381.0	0.501319	Y
7	IC 410-468517/9	300.0	155.236755	50.0	1276592.0	0.517456	Y



Calibration / Ethanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

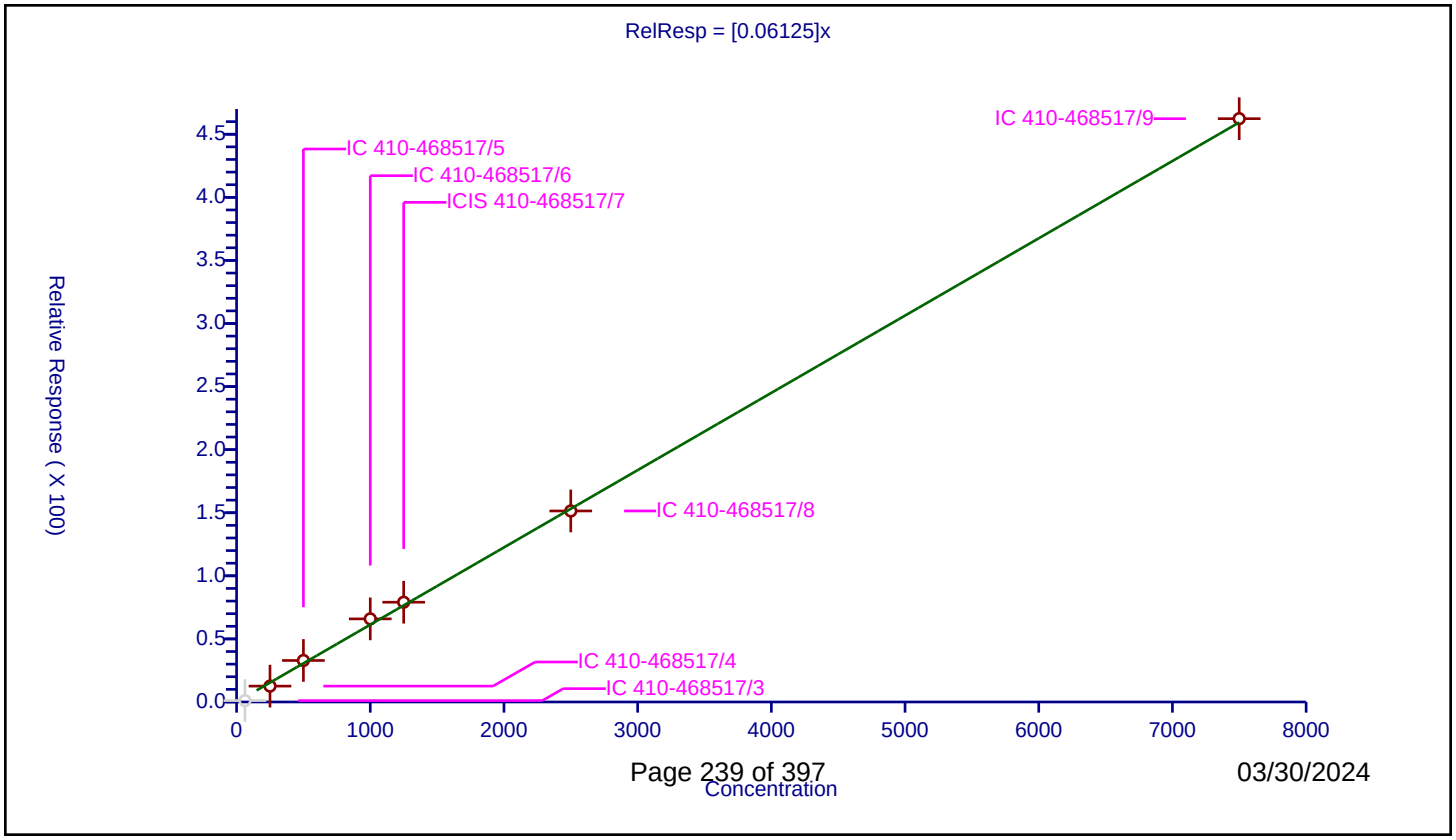
Curve Coefficients

Intercept:	0
Slope:	0.06125

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	62.496	1.100745	250.0	563482.0	0.017613	N
2	IC 410-468517/4	249.984	12.585336	250.0	489240.0	0.050345	Y
3	IC 410-468517/5	499.968	32.903367	250.0	535895.0	0.065811	Y
4	IC 410-468517/6	999.936	65.880563	250.0	518146.0	0.065885	Y
5	ICIS 410-468517/7	1249.92	79.073449	250.0	532448.0	0.063263	Y
6	IC 410-468517/8	2499.84	151.400484	250.0	528139.0	0.060564	Y
7	IC 410-468517/9	7499.52	462.353781	250.0	525325.0	0.061651	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

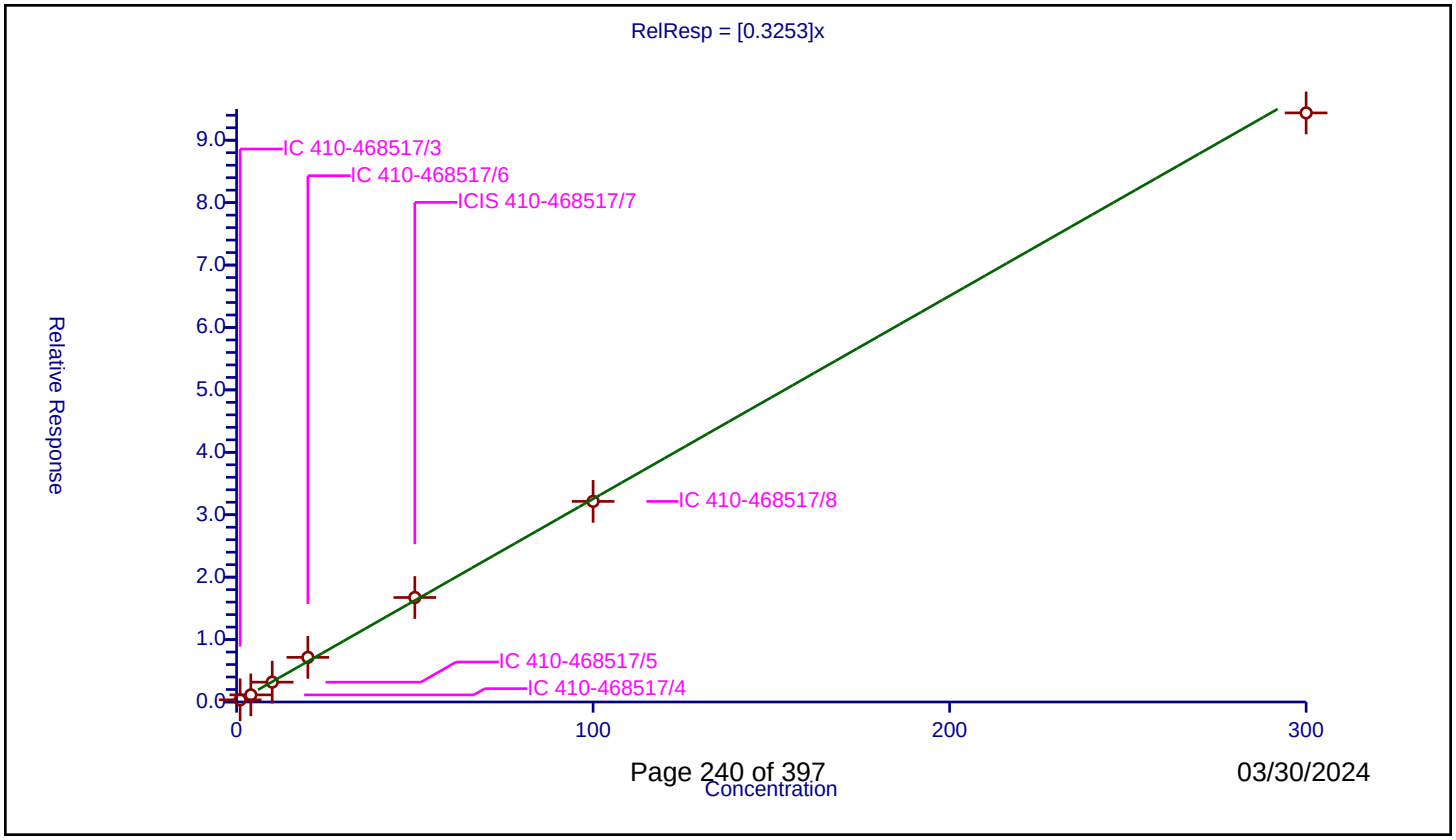
Curve Coefficients

Intercept:	0
Slope:	0.3253

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.346576	50.0	1273315.0	0.346576	Y
2	IC 410-468517/4	4.0	1.138278	50.0	1269154.0	0.284569	Y
3	IC 410-468517/5	10.0	3.178352	50.0	1213286.0	0.317835	Y
4	IC 410-468517/6	20.0	7.148706	50.0	1234580.0	0.357435	Y
5	ICIS 410-468517/7	50.0	16.740853	50.0	1250447.0	0.334817	Y
6	IC 410-468517/8	100.0	32.139689	50.0	1304381.0	0.321397	Y
7	IC 410-468517/9	300.0	94.377844	50.0	1276592.0	0.314593	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

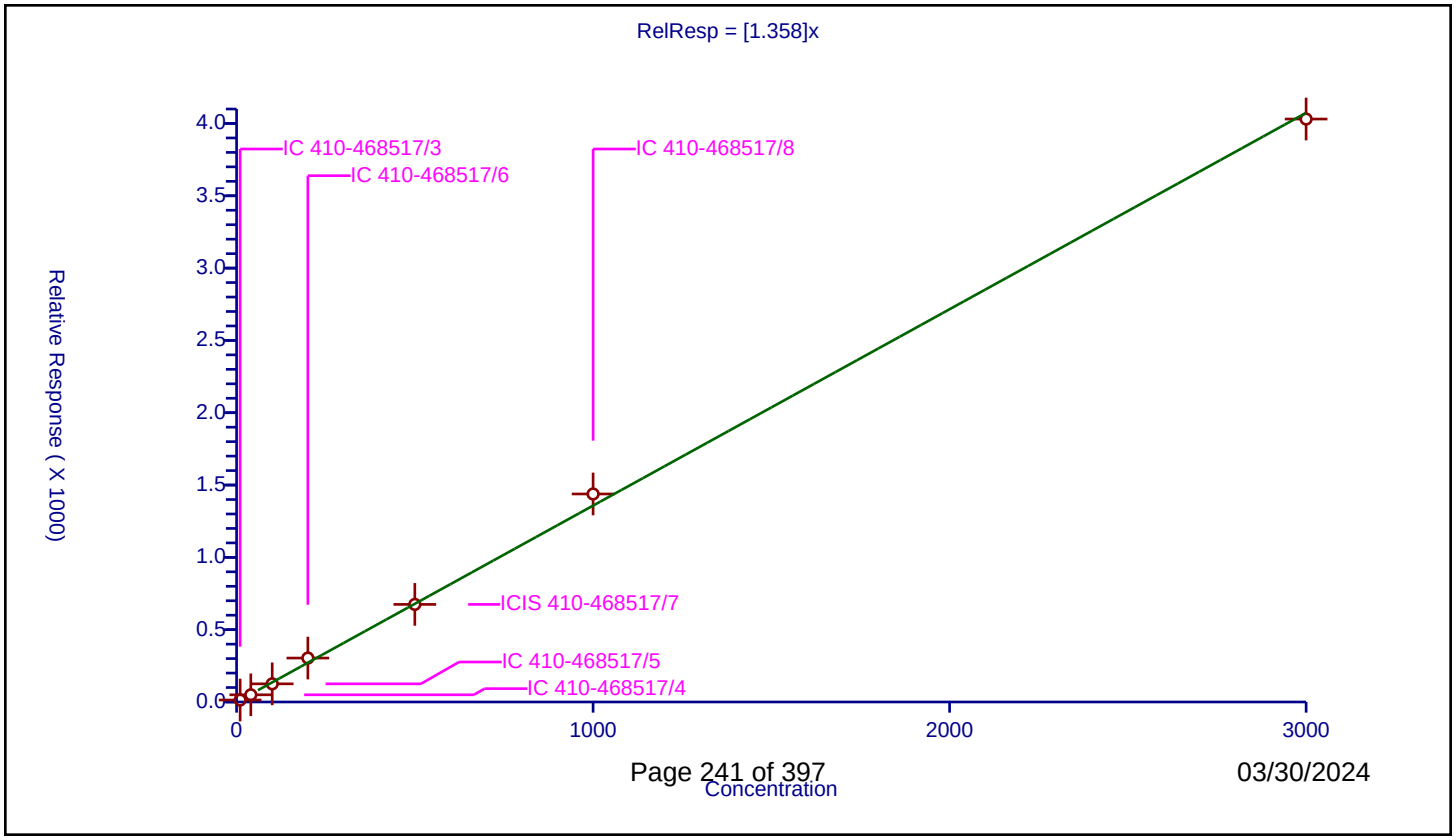
Curve Coefficients

Intercept:	0
Slope:	1.358

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	9.999756	13.590053	250.0	563482.0	1.359038	Y
2	IC 410-468517/4	39.999024	49.658654	250.0	489240.0	1.241497	Y
3	IC 410-468517/5	99.99756	125.409828	250.0	535895.0	1.254129	Y
4	IC 410-468517/6	199.99512	303.731477	250.0	518146.0	1.518694	Y
5	ICIS 410-468517/7	499.9878	674.741477	250.0	532448.0	1.349516	Y
6	IC 410-468517/8	999.9756	1438.191934	250.0	528139.0	1.438227	Y
7	IC 410-468517/9	2999.9268	4030.612954	250.0	525325.0	1.34357	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

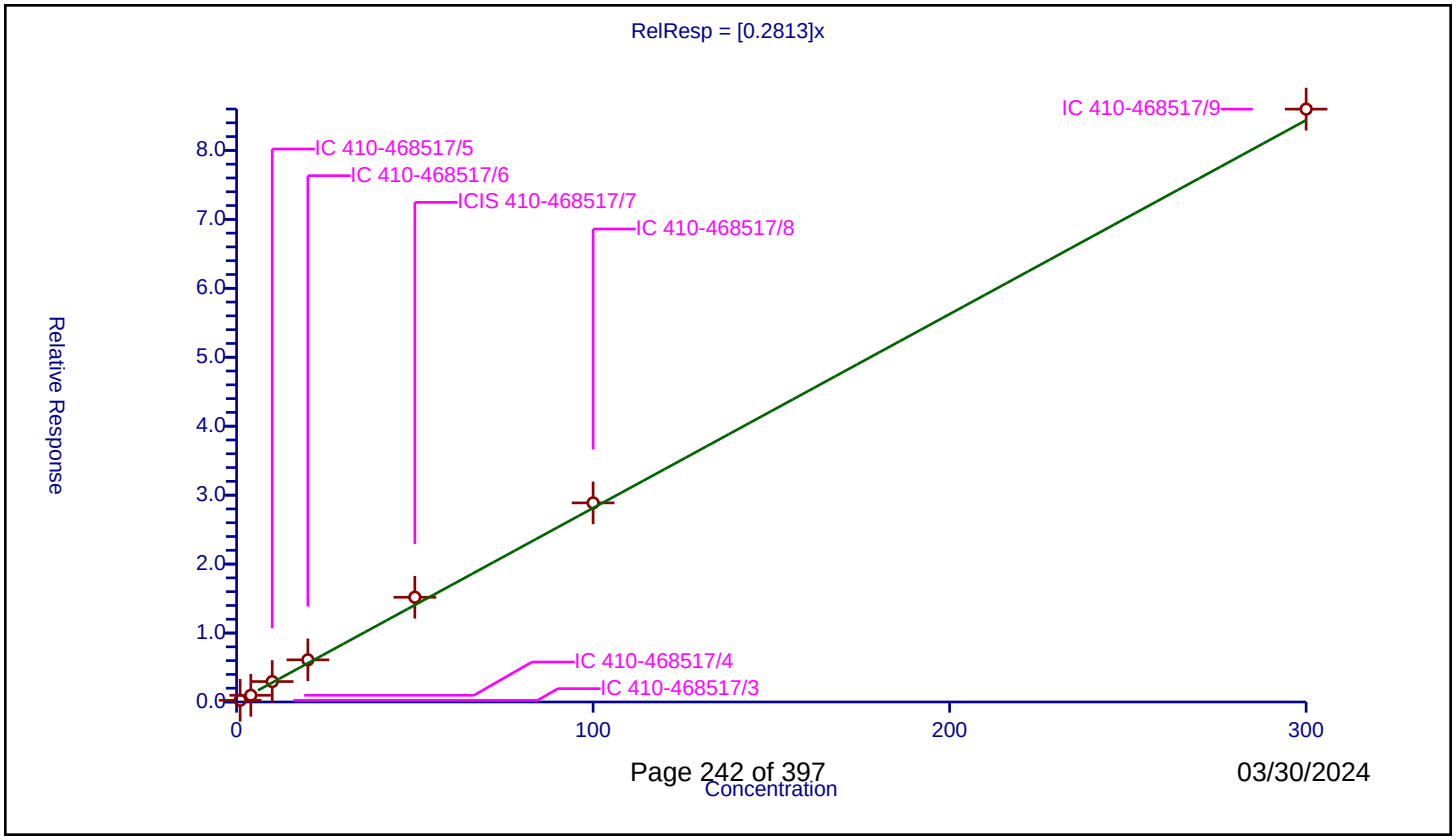
Curve Coefficients

Intercept:	0
Slope:	0.2813

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.244755	50.0	1273315.0	0.244755	Y
2	IC 410-468517/4	4.0	0.972774	50.0	1269154.0	0.243193	Y
3	IC 410-468517/5	10.0	2.96278	50.0	1213286.0	0.296278	Y
4	IC 410-468517/6	20.0	6.110945	50.0	1234580.0	0.305547	Y
5	ICIS 410-468517/7	50.0	15.189648	50.0	1250447.0	0.303793	Y
6	IC 410-468517/8	100.0	28.874846	50.0	1304381.0	0.288748	Y
7	IC 410-468517/9	300.0	85.98452	50.0	1276592.0	0.286615	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

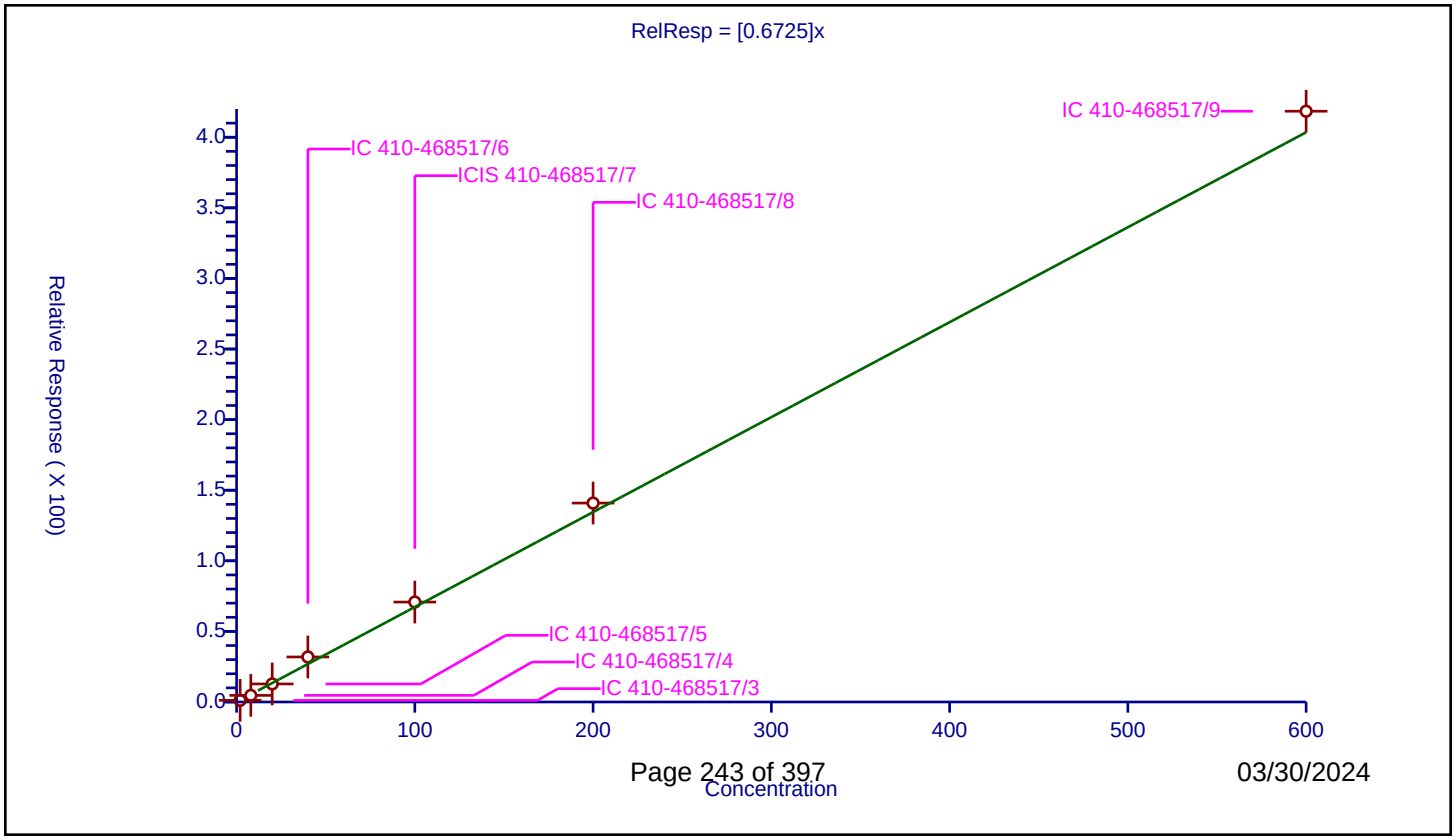
Curve Coefficients

Intercept:	0
Slope:	0.6725

Error Coefficients

Relative Standard Deviation:	11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	2.0	1.15576	250.0	563482.0	0.57788	Y
2	IC 410-468517/4	8.0	4.672042	250.0	489240.0	0.584005	Y
3	IC 410-468517/5	20.0	12.771159	250.0	535895.0	0.638558	Y
4	IC 410-468517/6	40.0	31.893038	250.0	518146.0	0.797326	Y
5	ICIS 410-468517/7	100.0	70.787664	250.0	532448.0	0.707877	Y
6	IC 410-468517/8	200.0	140.89804	250.0	528139.0	0.70449	Y
7	IC 410-468517/9	600.0	418.434303	250.0	525325.0	0.697391	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

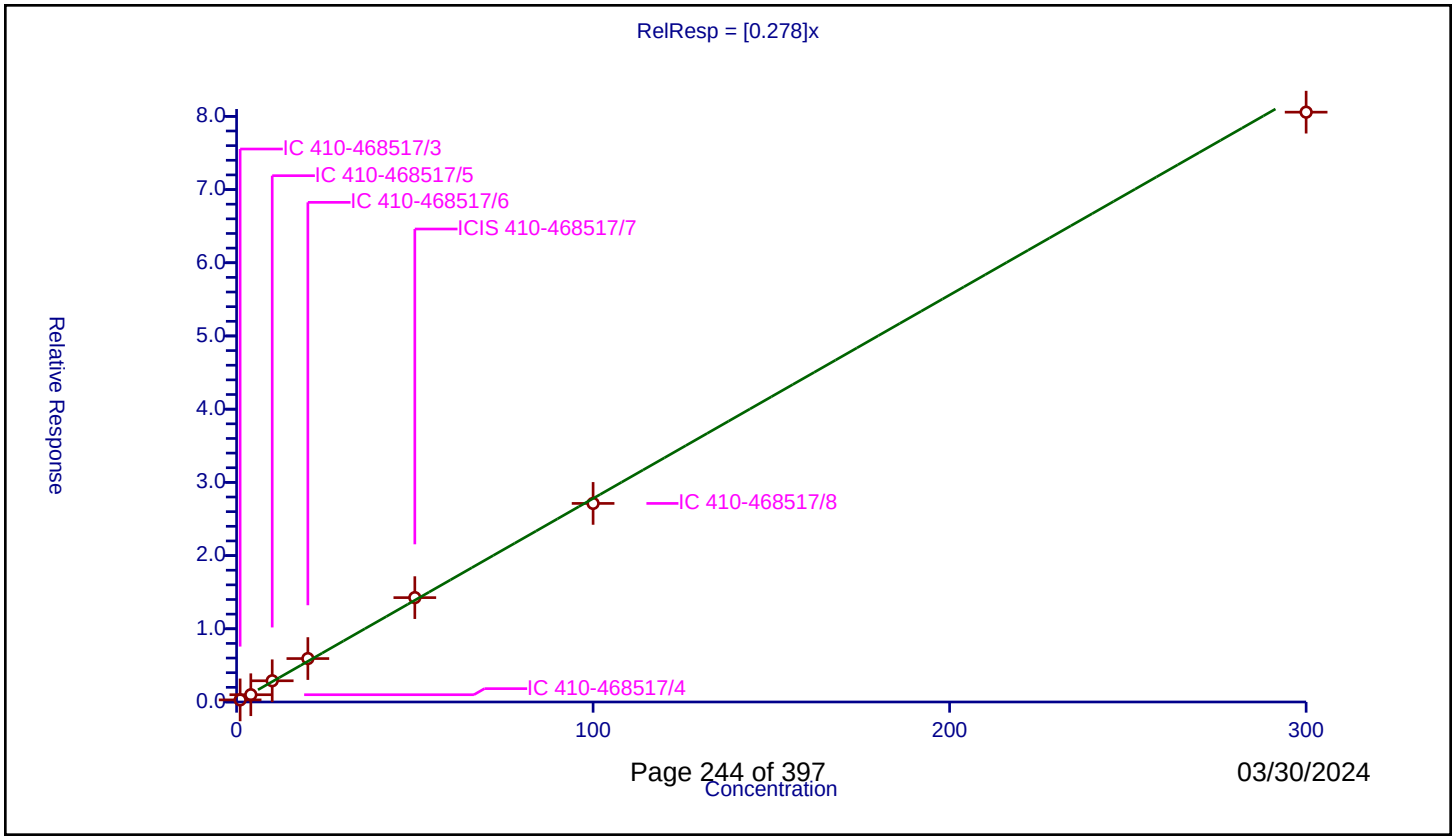
Curve Coefficients

Intercept:	0
Slope:	0.278

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.286025	50.0	1273315.0	0.286025	Y
2	IC 410-468517/4	4.0	0.993102	50.0	1269154.0	0.248276	Y
3	IC 410-468517/5	10.0	2.89808	50.0	1213286.0	0.289808	Y
4	IC 410-468517/6	20.0	5.933475	50.0	1234580.0	0.296674	Y
5	ICIS 410-468517/7	50.0	14.256782	50.0	1250447.0	0.285136	Y
6	IC 410-468517/8	100.0	27.126775	50.0	1304381.0	0.271268	Y
7	IC 410-468517/9	300.0	80.570535	50.0	1276592.0	0.268568	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

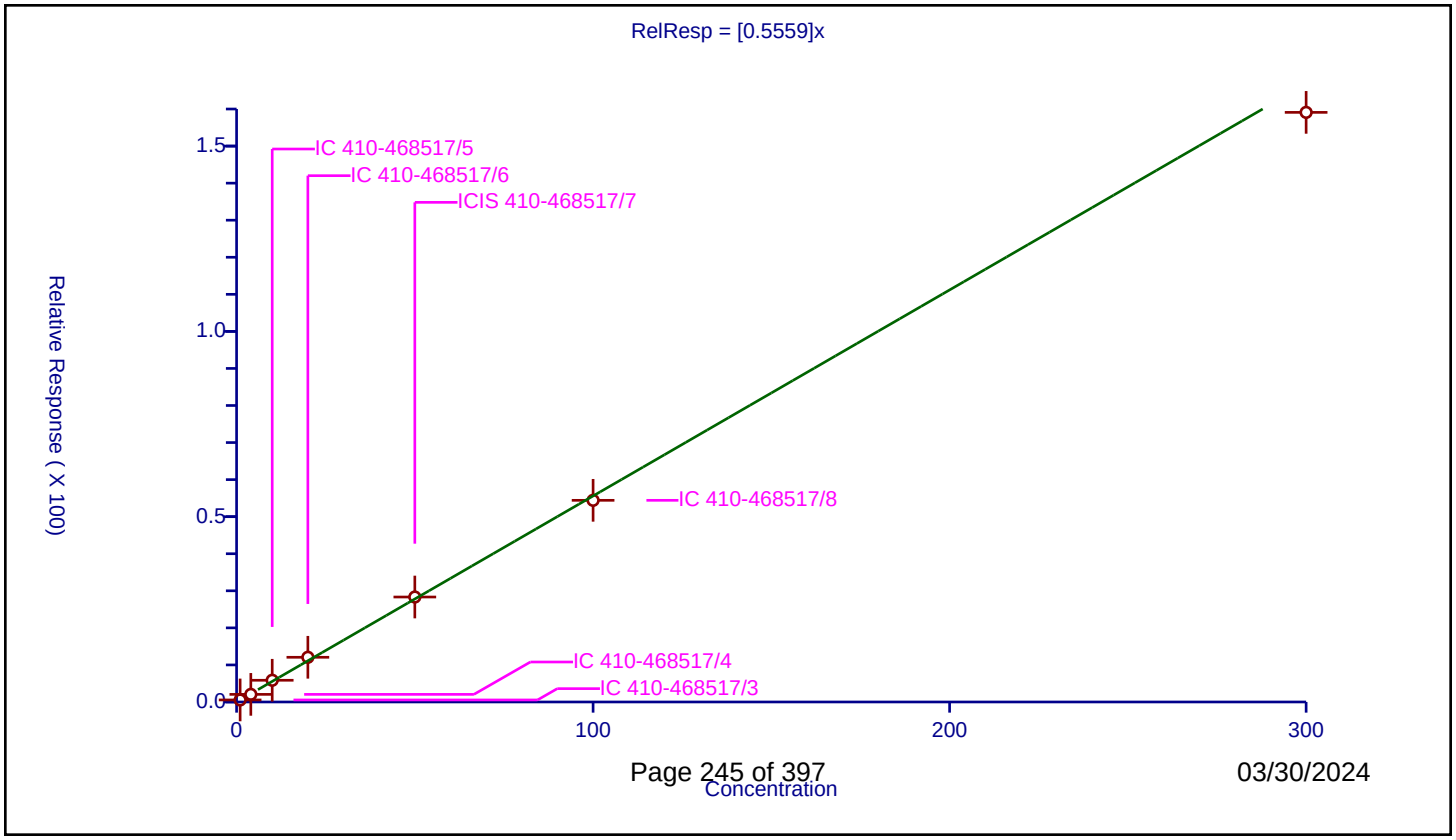
Curve Coefficients

Intercept:	0
Slope:	0.5559

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.547743	50.0	1273315.0	0.547743	Y
2	IC 410-468517/4	4.0	2.052273	50.0	1269154.0	0.513068	Y
3	IC 410-468517/5	10.0	5.864034	50.0	1213286.0	0.586403	Y
4	IC 410-468517/6	20.0	12.064184	50.0	1234580.0	0.603209	Y
5	ICIS 410-468517/7	50.0	28.321672	50.0	1250447.0	0.566433	Y
6	IC 410-468517/8	100.0	54.413664	50.0	1304381.0	0.544137	Y
7	IC 410-468517/9	300.0	159.092921	50.0	1276592.0	0.53031	Y



Calibration / Isopropyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

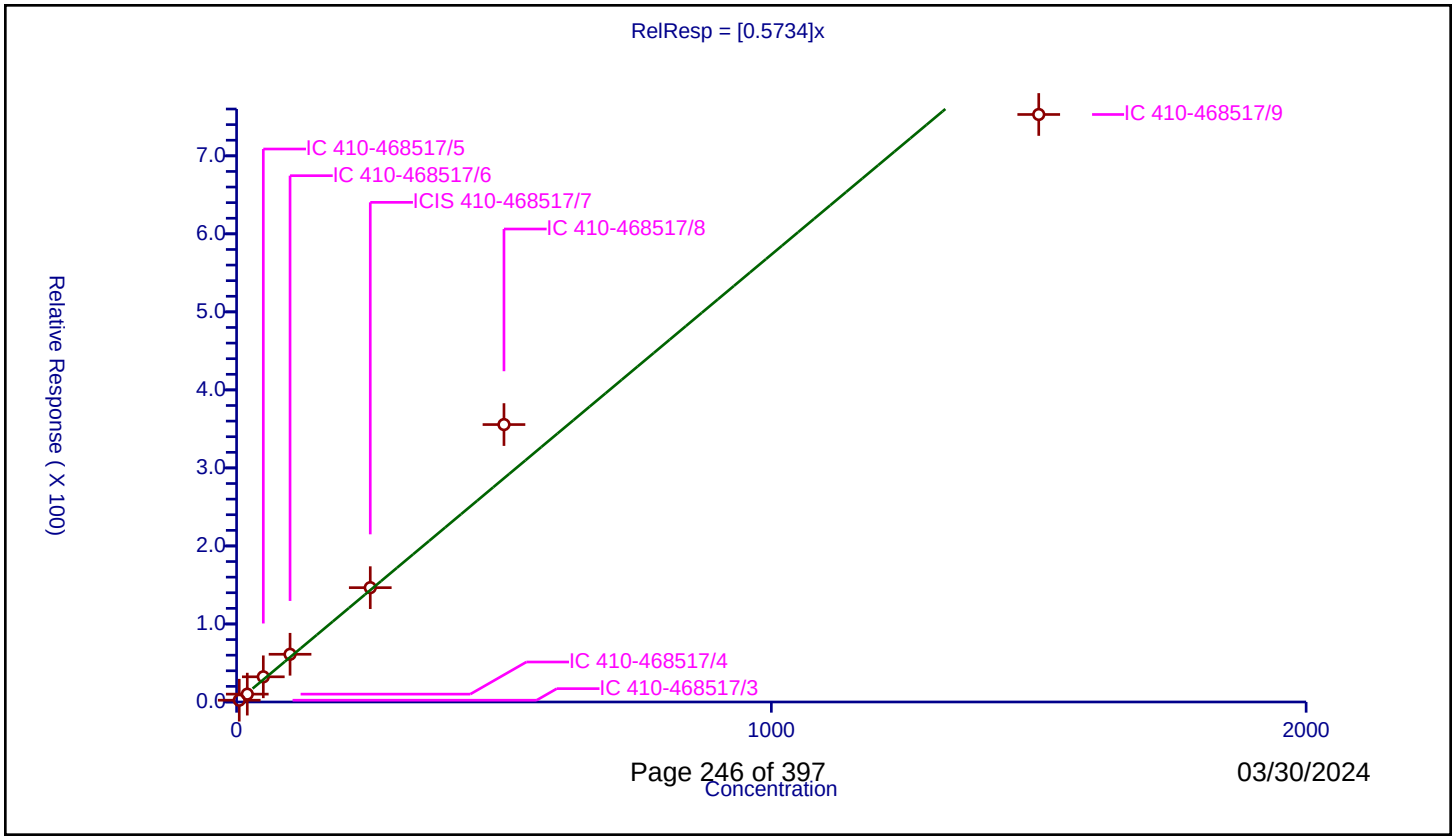
Curve Coefficients

Intercept:	0
Slope:	0.5734

Error Coefficients

Relative Standard Deviation:	15.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	5.0	2.274252	250.0	563482.0	0.45485	Y
2	IC 410-468517/4	20.0	10.055903	250.0	489240.0	0.502795	Y
3	IC 410-468517/5	50.0	32.267515	250.0	535895.0	0.64535	Y
4	IC 410-468517/6	100.0	61.159885	250.0	518146.0	0.611599	Y
5	ICIS 410-468517/7	250.0	146.548583	250.0	532448.0	0.586194	Y
6	IC 410-468517/8	500.0	355.568799	250.0	528139.0	0.711138	Y
7	IC 410-468517/9	1500.0	753.008614	250.0	525325.0	0.502006	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

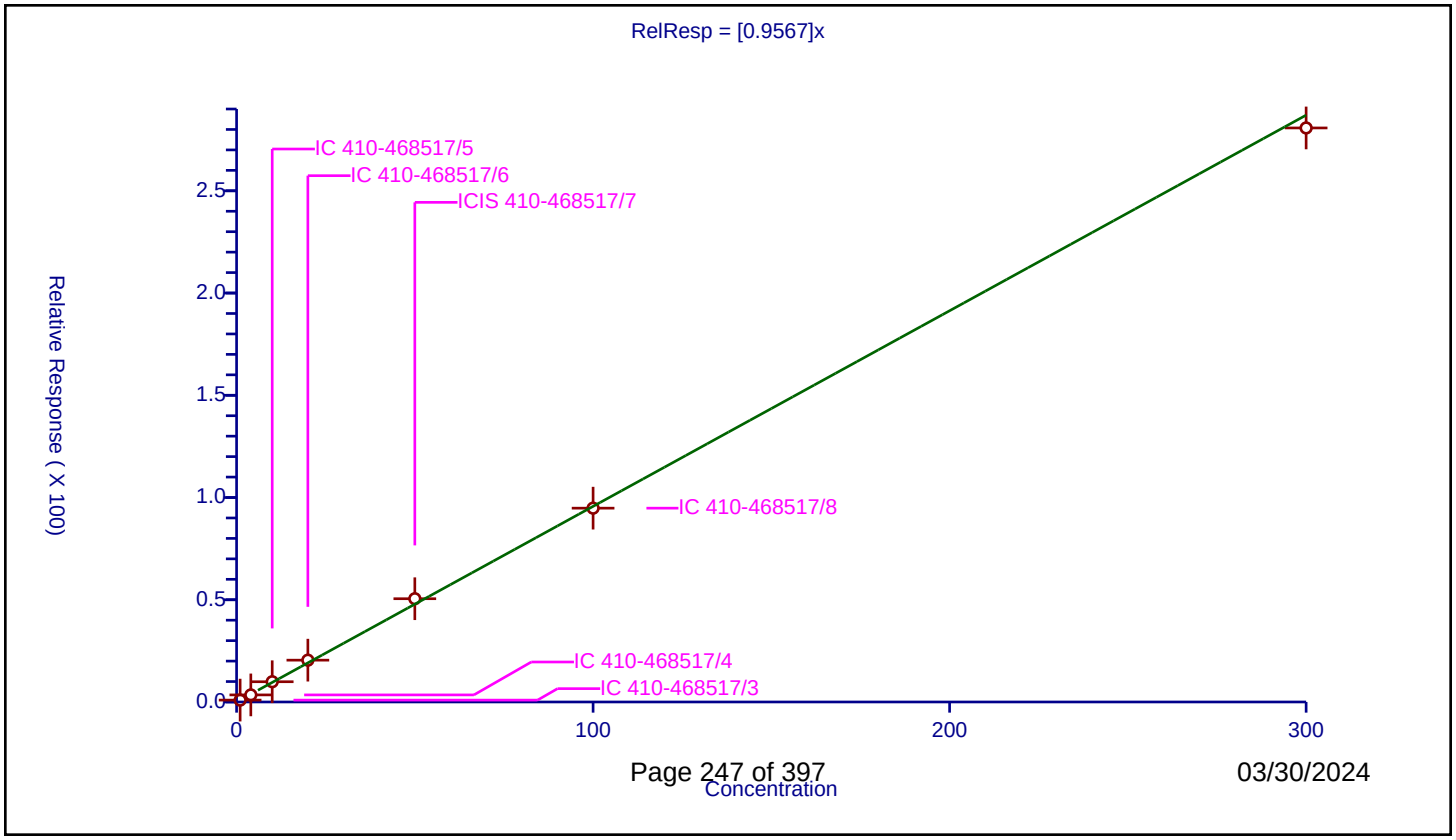
Curve Coefficients

Intercept:	0
Slope:	0.9567

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.924202	50.0	1273315.0	0.924202	Y
2	IC 410-468517/4	4.0	3.460376	50.0	1269154.0	0.865094	Y
3	IC 410-468517/5	10.0	9.906238	50.0	1213286.0	0.990624	Y
4	IC 410-468517/6	20.0	20.457281	50.0	1234580.0	1.022864	Y
5	ICIS 410-468517/7	50.0	50.507179	50.0	1250447.0	1.010144	Y
6	IC 410-468517/8	100.0	94.796267	50.0	1304381.0	0.947963	Y
7	IC 410-468517/9	300.0	280.738521	50.0	1276592.0	0.935795	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

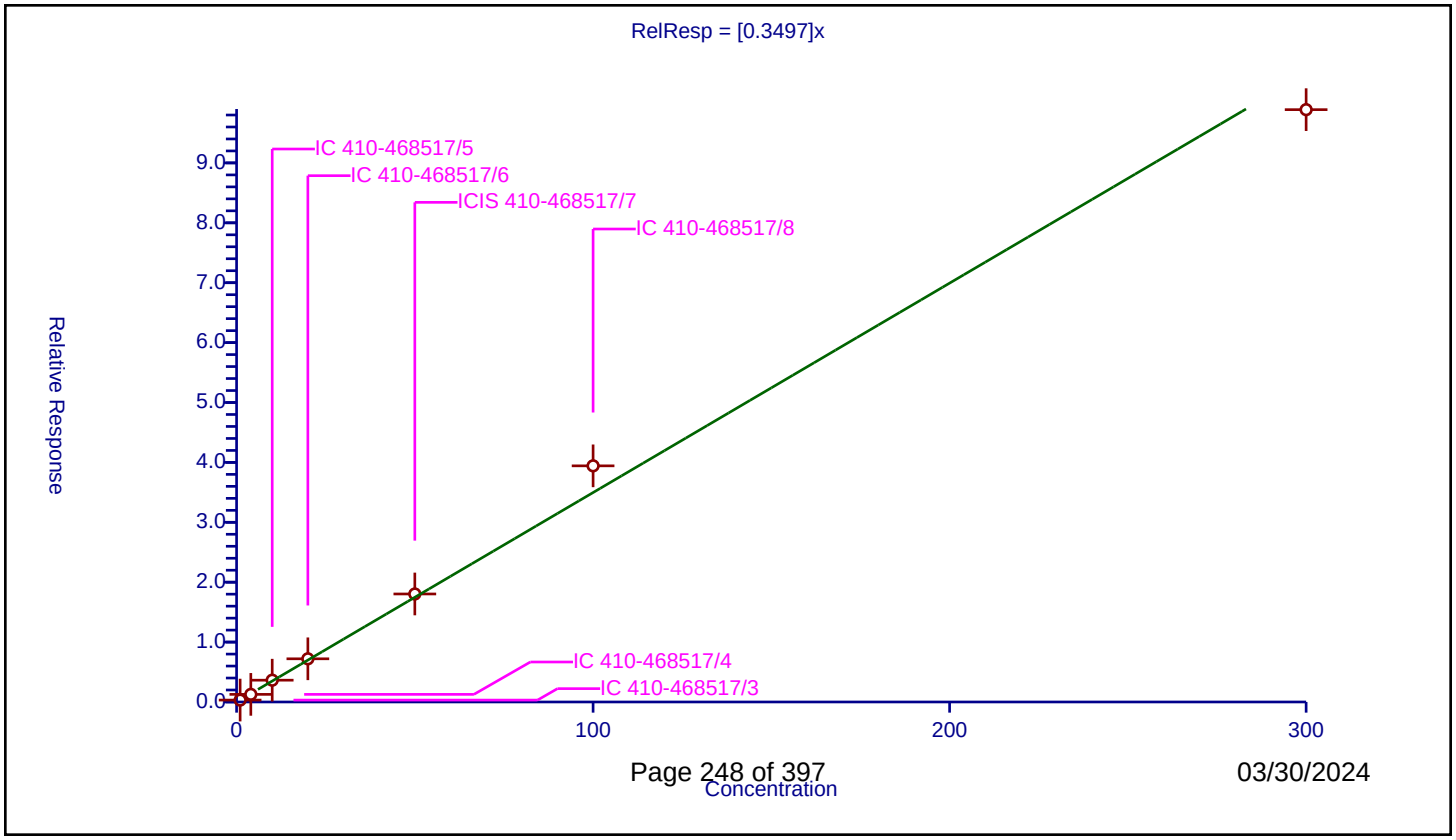
Curve Coefficients

Intercept:	0
Slope:	0.3497

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.320345	50.0	1273315.0	0.320345	Y
2	IC 410-468517/4	4.0	1.272383	50.0	1269154.0	0.318096	Y
3	IC 410-468517/5	10.0	3.641062	50.0	1213286.0	0.364106	Y
4	IC 410-468517/6	20.0	7.208767	50.0	1234580.0	0.360438	Y
5	ICIS 410-468517/7	50.0	18.033671	50.0	1250447.0	0.360673	Y
6	IC 410-468517/8	100.0	39.426862	50.0	1304381.0	0.394269	Y
7	IC 410-468517/9	300.0	98.892246	50.0	1276592.0	0.329641	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

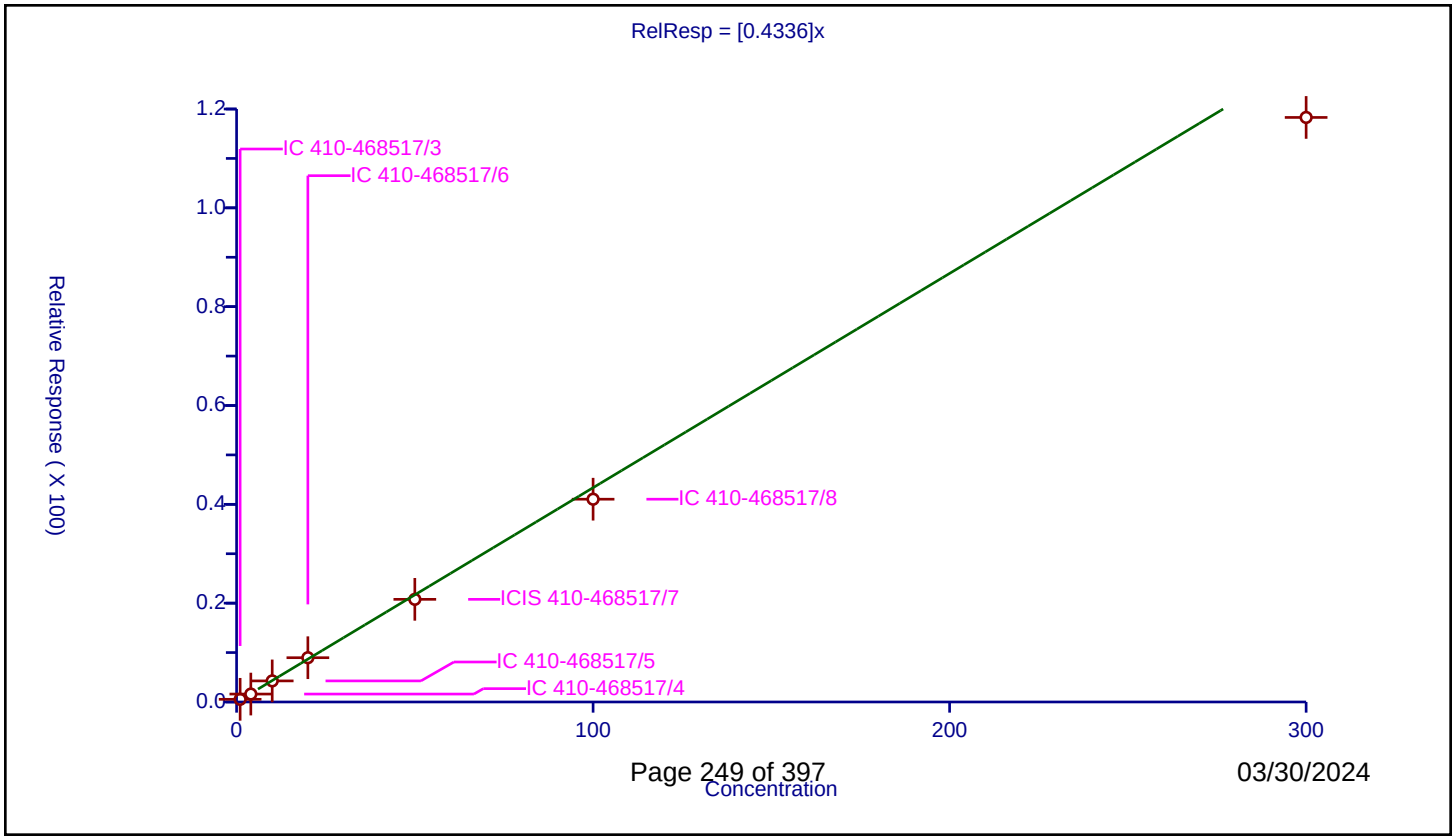
Curve Coefficients

Intercept:	0
Slope:	0.4336

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.539851	50.0	1273315.0	0.539851	Y
2	IC 410-468517/4	4.0	1.603549	50.0	1269154.0	0.400887	Y
3	IC 410-468517/5	10.0	4.266018	50.0	1213286.0	0.426602	Y
4	IC 410-468517/6	20.0	8.959606	50.0	1234580.0	0.44798	Y
5	ICIS 410-468517/7	50.0	20.773611	50.0	1250447.0	0.415472	Y
6	IC 410-468517/8	100.0	41.036016	50.0	1304381.0	0.41036	Y
7	IC 410-468517/9	300.0	118.295391	50.0	1276592.0	0.394318	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

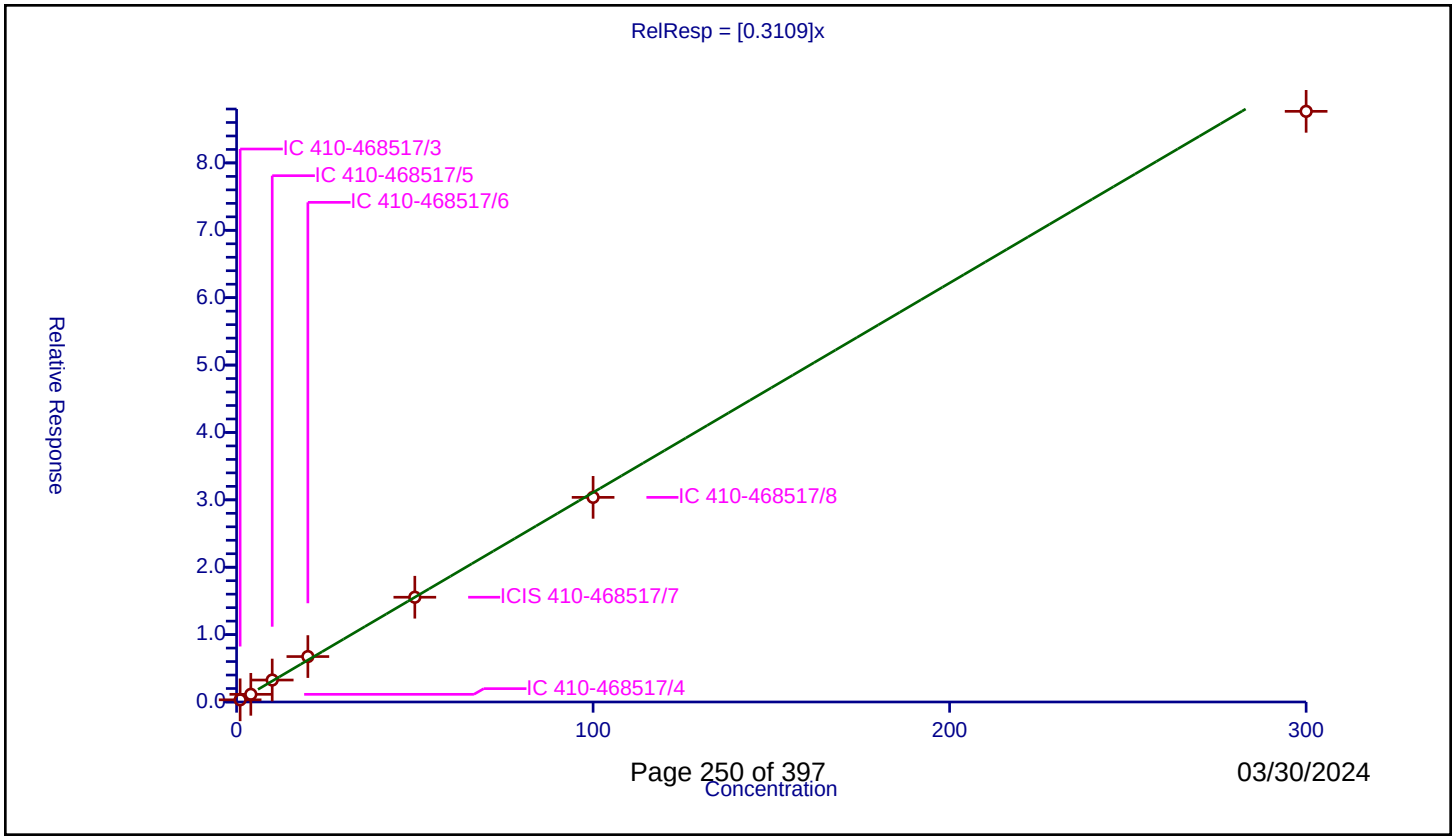
Curve Coefficients

Intercept:	0
Slope:	0.3109

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.322033	50.0	1273315.0	0.322033	Y
2	IC 410-468517/4	4.0	1.13749	50.0	1269154.0	0.284373	Y
3	IC 410-468517/5	10.0	3.260526	50.0	1213286.0	0.326053	Y
4	IC 410-468517/6	20.0	6.742374	50.0	1234580.0	0.337119	Y
5	ICIS 410-468517/7	50.0	15.545281	50.0	1250447.0	0.310906	Y
6	IC 410-468517/8	100.0	30.369233	50.0	1304381.0	0.303692	Y
7	IC 410-468517/9	300.0	87.656158	50.0	1276592.0	0.292187	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

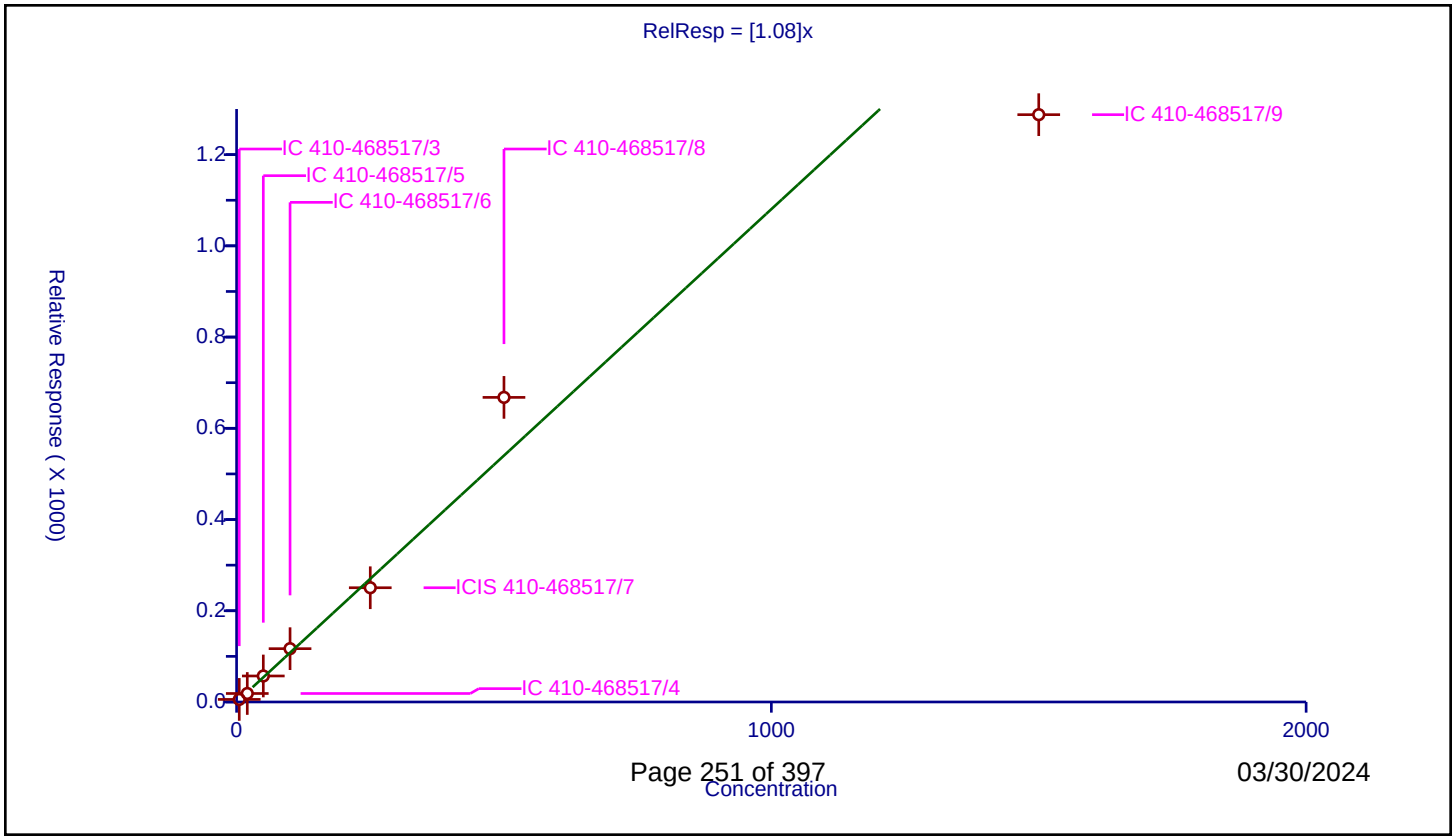
Curve Coefficients

Intercept:	0
Slope:	1.08

Error Coefficients

Relative Standard Deviation:	15.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	5.0	5.635939	250.0	563482.0	1.127188	Y
2	IC 410-468517/4	20.0	18.604366	250.0	489240.0	0.930218	Y
3	IC 410-468517/5	50.0	57.001372	250.0	535895.0	1.140027	Y
4	IC 410-468517/6	100.0	116.922161	250.0	518146.0	1.169222	Y
5	ICIS 410-468517/7	250.0	250.490658	250.0	532448.0	1.001963	Y
6	IC 410-468517/8	500.0	667.809516	250.0	528139.0	1.335619	Y
7	IC 410-468517/9	1500.0	1287.619569	250.0	525325.0	0.858413	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

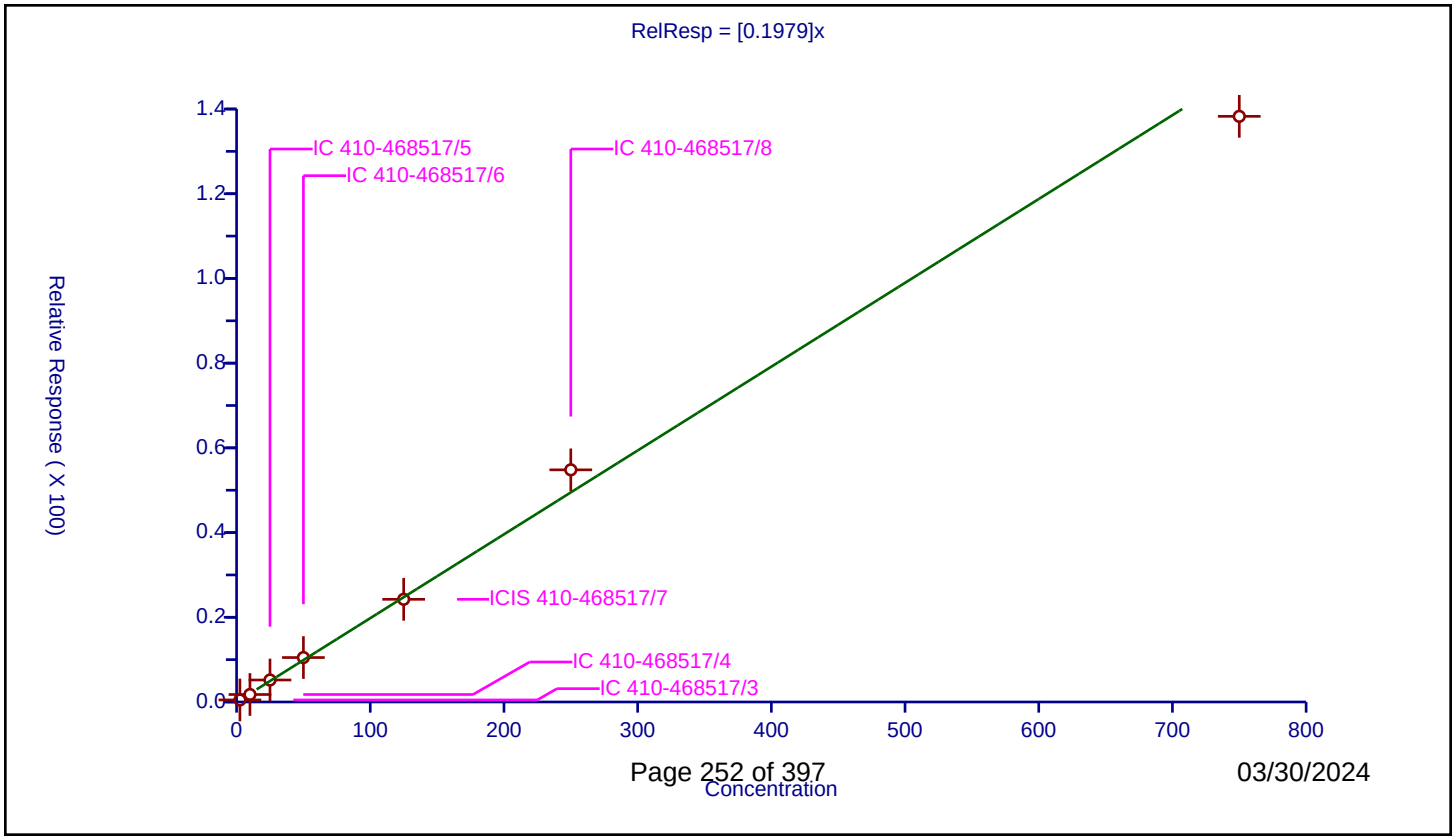
Curve Coefficients

Intercept:	0
Slope:	0.1979

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	2.5	0.48413	50.0	1273315.0	0.193652	Y
2	IC 410-468517/4	10.0	1.766492	50.0	1269154.0	0.176649	Y
3	IC 410-468517/5	25.0	5.193211	50.0	1213286.0	0.207728	Y
4	IC 410-468517/6	50.0	10.491463	50.0	1234580.0	0.209829	Y
5	ICIS 410-468517/7	125.0	24.24521	50.0	1250447.0	0.193962	Y
6	IC 410-468517/8	250.0	54.808066	50.0	1304381.0	0.219232	Y
7	IC 410-468517/9	750.0	138.271351	50.0	1276592.0	0.184362	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

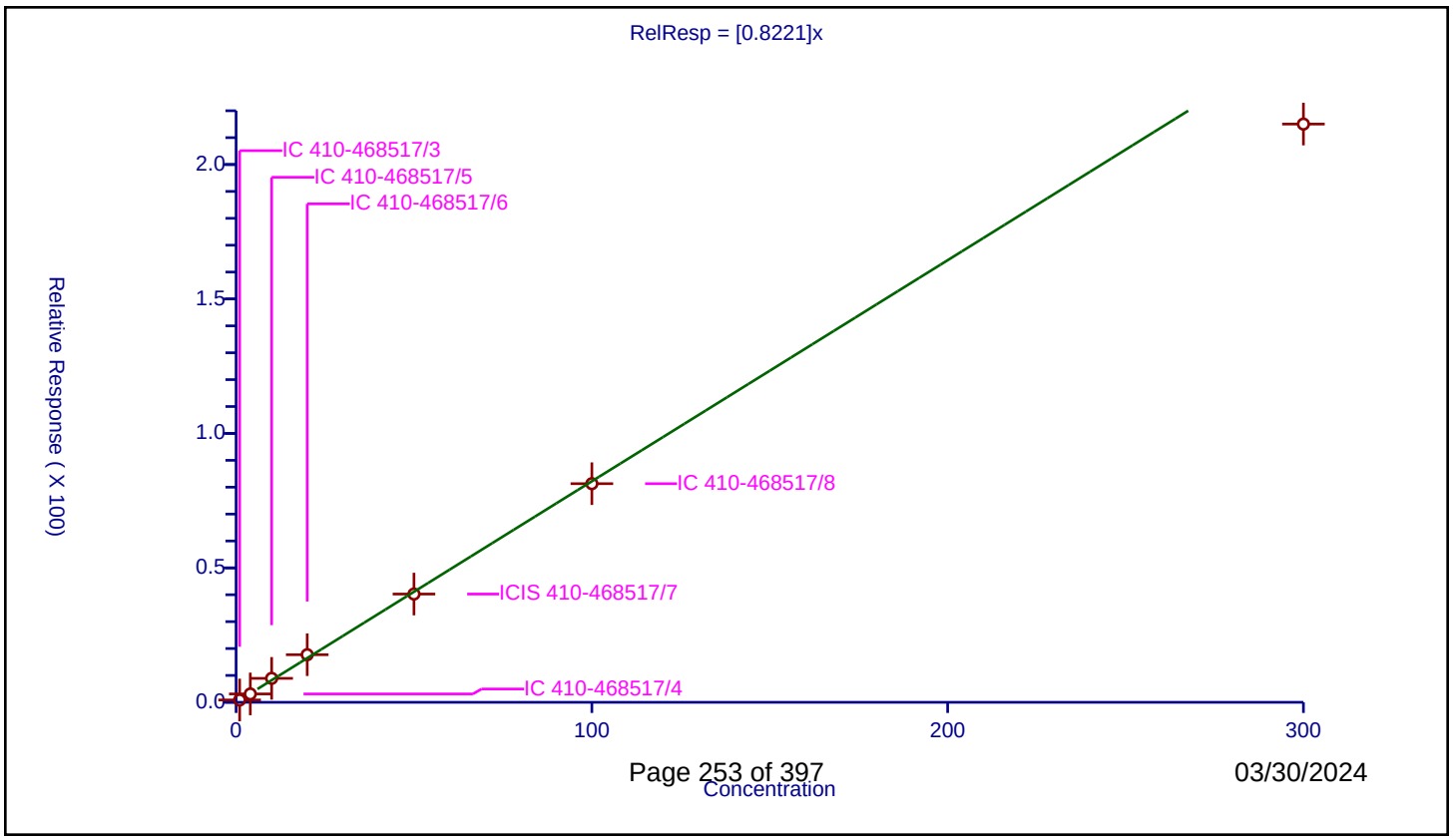
Curve Coefficients

Intercept:	0
Slope:	0.8221

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.86479	50.0	1273315.0	0.86479	Y
2	IC 410-468517/4	4.0	3.111403	50.0	1269154.0	0.777851	Y
3	IC 410-468517/5	10.0	8.912738	50.0	1213286.0	0.891274	Y
4	IC 410-468517/6	20.0	17.706507	50.0	1234580.0	0.885325	Y
5	ICIS 410-468517/7	50.0	40.262802	50.0	1250447.0	0.805256	Y
6	IC 410-468517/8	100.0	81.314969	50.0	1304381.0	0.81315	Y
7	IC 410-468517/9	300.0	215.046076	50.0	1276592.0	0.71682	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

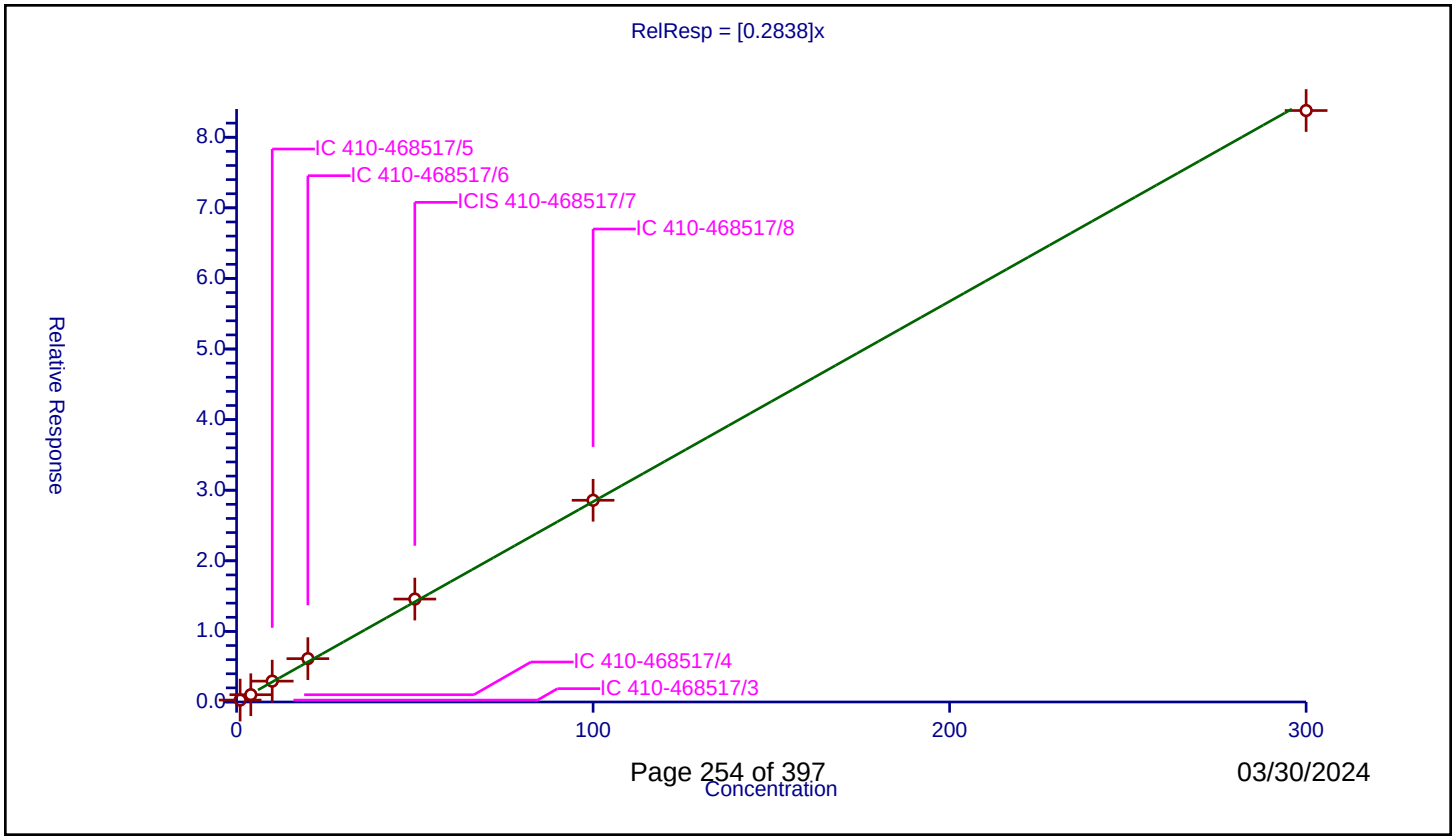
Curve Coefficients

Intercept:	0
Slope:	0.2838

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.269533	50.0	1273315.0	0.269533	Y
2	IC 410-468517/4	4.0	1.030962	50.0	1269154.0	0.257741	Y
3	IC 410-468517/5	10.0	2.95458	50.0	1213286.0	0.295458	Y
4	IC 410-468517/6	20.0	6.141562	50.0	1234580.0	0.307078	Y
5	ICIS 410-468517/7	50.0	14.578227	50.0	1250447.0	0.291565	Y
6	IC 410-468517/8	100.0	28.575087	50.0	1304381.0	0.285751	Y
7	IC 410-468517/9	300.0	83.784639	50.0	1276592.0	0.279282	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

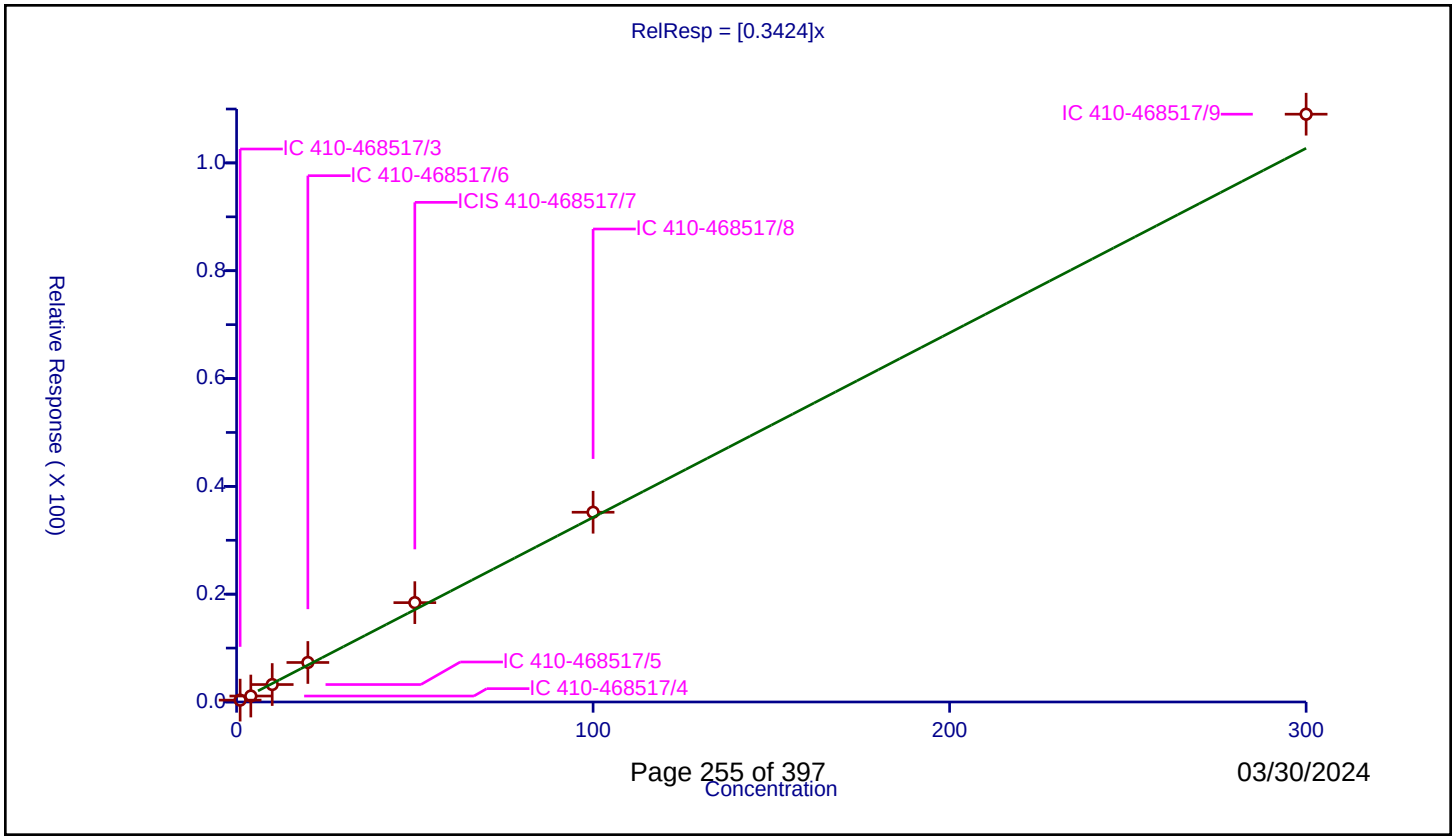
Curve Coefficients

Intercept:	0
Slope:	0.3424

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.345673	50.0	1273315.0	0.345673	Y
2	IC 410-468517/4	4.0	1.107943	50.0	1269154.0	0.276986	Y
3	IC 410-468517/5	10.0	3.23683	50.0	1213286.0	0.323683	Y
4	IC 410-468517/6	20.0	7.328768	50.0	1234580.0	0.366438	Y
5	ICIS 410-468517/7	50.0	18.429929	50.0	1250447.0	0.368599	Y
6	IC 410-468517/8	100.0	35.196925	50.0	1304381.0	0.351969	Y
7	IC 410-468517/9	300.0	109.039693	50.0	1276592.0	0.363466	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

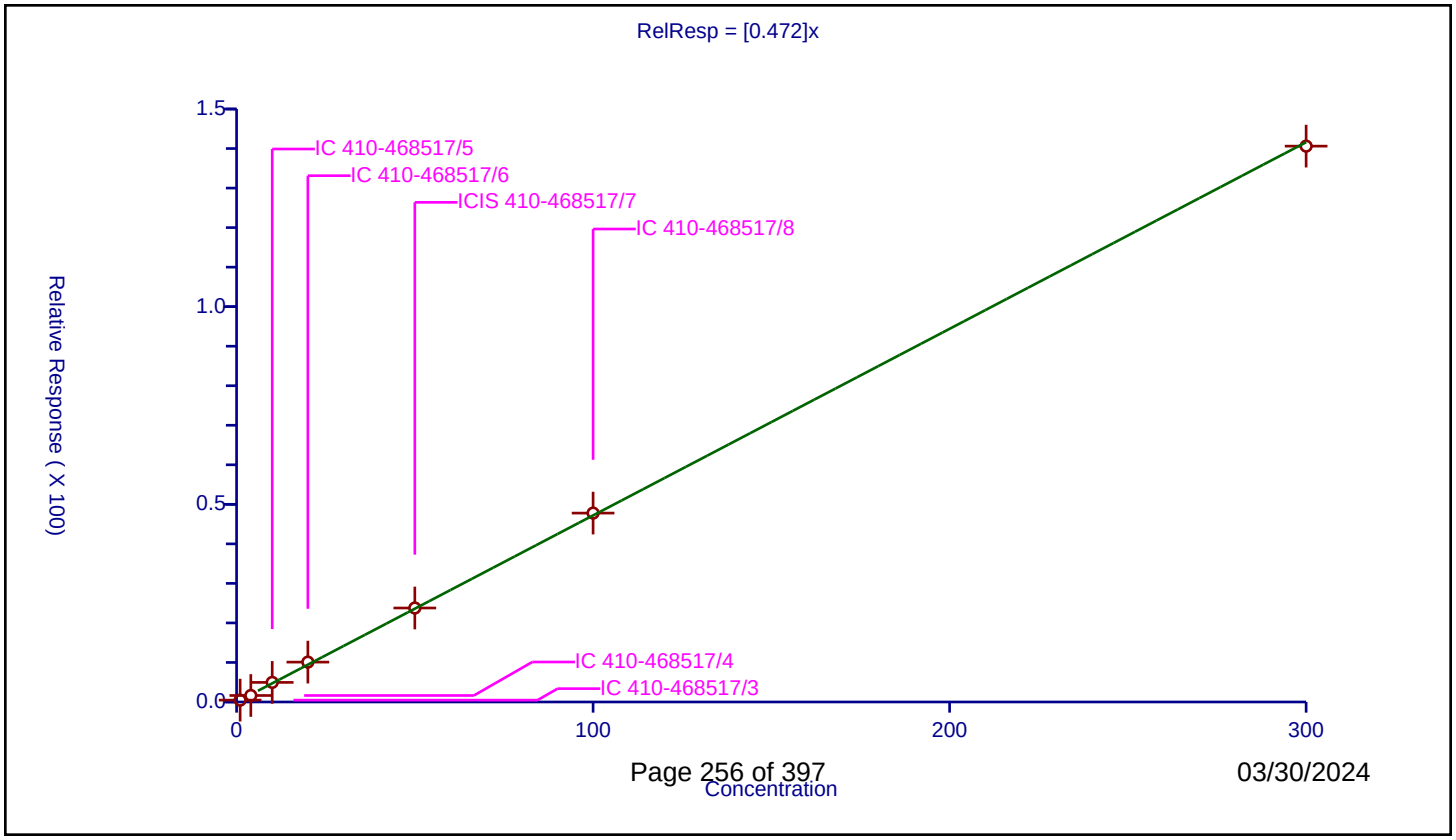
Curve Coefficients

Intercept:	0
Slope:	0.472

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.470661	50.0	1273315.0	0.470661	Y
2	IC 410-468517/4	4.0	1.644954	50.0	1269154.0	0.411239	Y
3	IC 410-468517/5	10.0	4.957693	50.0	1213286.0	0.495769	Y
4	IC 410-468517/6	20.0	10.085414	50.0	1234580.0	0.504271	Y
5	ICIS 410-468517/7	50.0	23.772579	50.0	1250447.0	0.475452	Y
6	IC 410-468517/8	100.0	47.784083	50.0	1304381.0	0.477841	Y
7	IC 410-468517/9	300.0	140.608746	50.0	1276592.0	0.468696	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

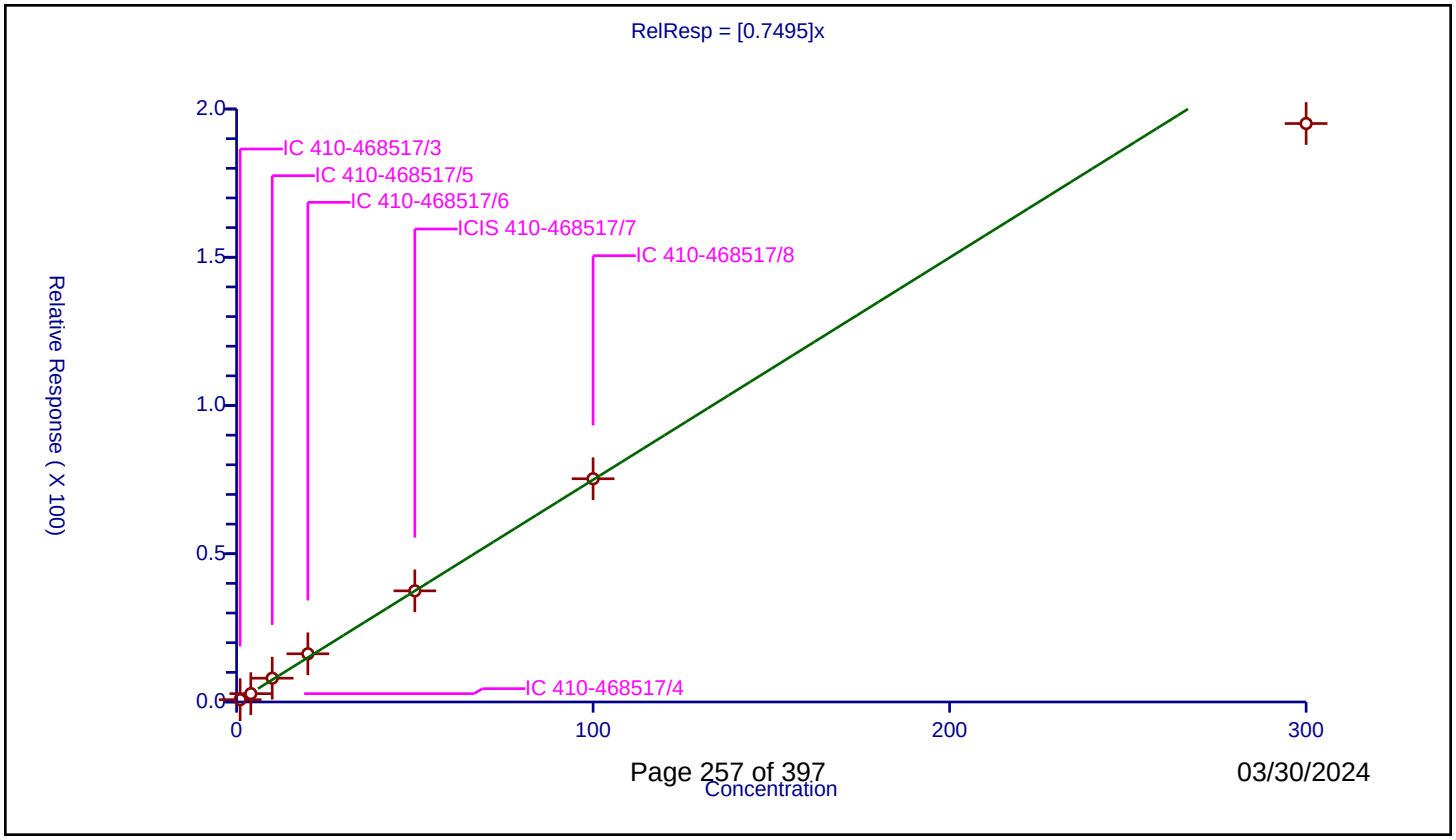
Curve Coefficients

Intercept:	0
Slope:	0.7495

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.773885	50.0	1273315.0	0.773885	Y
2	IC 410-468517/4	4.0	2.813804	50.0	1269154.0	0.703451	Y
3	IC 410-468517/5	10.0	8.031701	50.0	1213286.0	0.80317	Y
4	IC 410-468517/6	20.0	16.256176	50.0	1234580.0	0.812809	Y
5	ICIS 410-468517/7	50.0	37.480437	50.0	1250447.0	0.749609	Y
6	IC 410-468517/8	100.0	75.295178	50.0	1304381.0	0.752952	Y
7	IC 410-468517/9	300.0	195.10427	50.0	1276592.0	0.650348	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

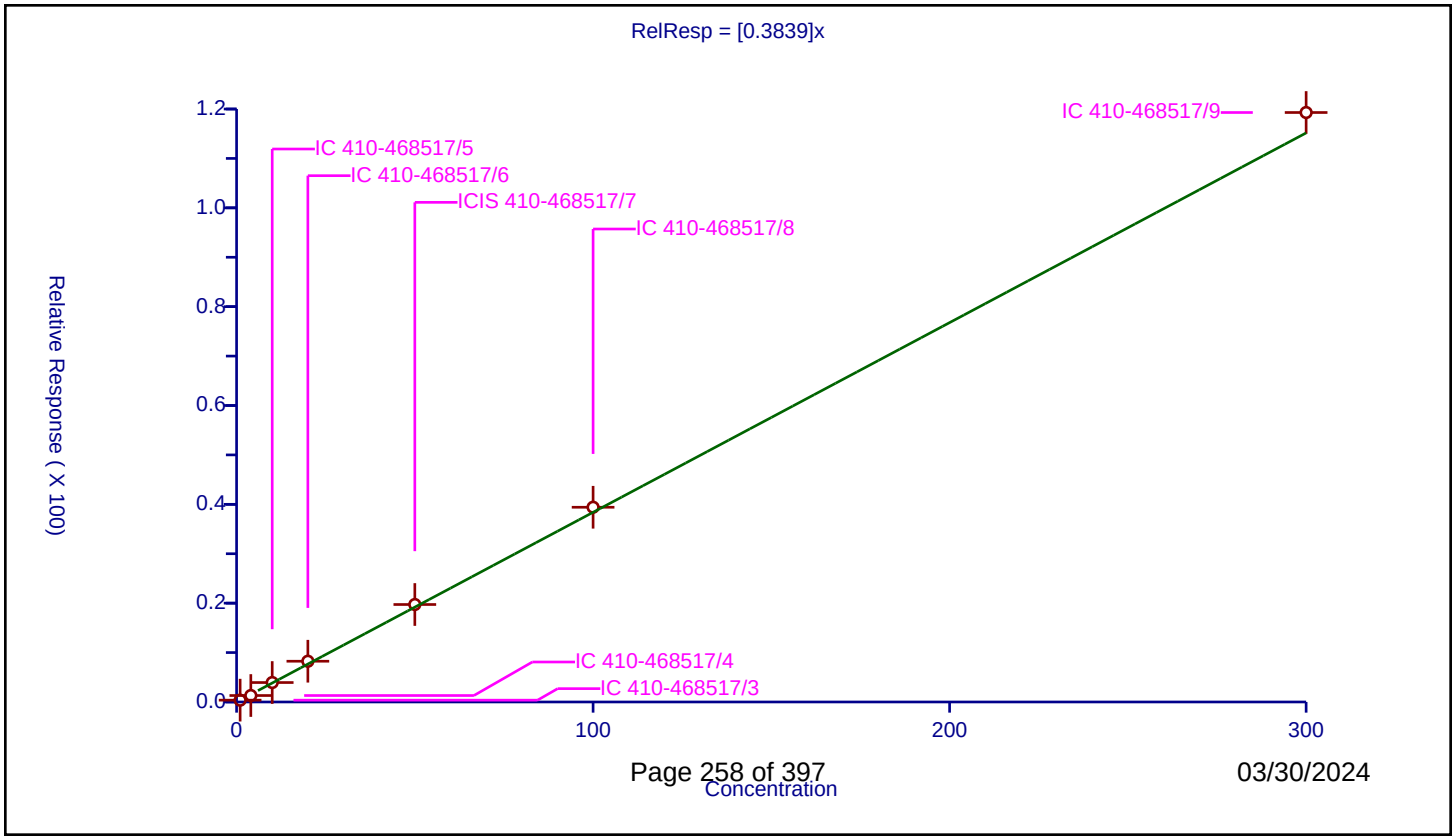
Curve Coefficients

Intercept:	0
Slope:	0.3839

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.36778	50.0	1273315.0	0.36778	Y
2	IC 410-468517/4	4.0	1.3078	50.0	1269154.0	0.32695	Y
3	IC 410-468517/5	10.0	3.936294	50.0	1213286.0	0.393629	Y
4	IC 410-468517/6	20.0	8.247704	50.0	1234580.0	0.412385	Y
5	ICIS 410-468517/7	50.0	19.729345	50.0	1250447.0	0.394587	Y
6	IC 410-468517/8	100.0	39.408693	50.0	1304381.0	0.394087	Y
7	IC 410-468517/9	300.0	119.292186	50.0	1276592.0	0.397641	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

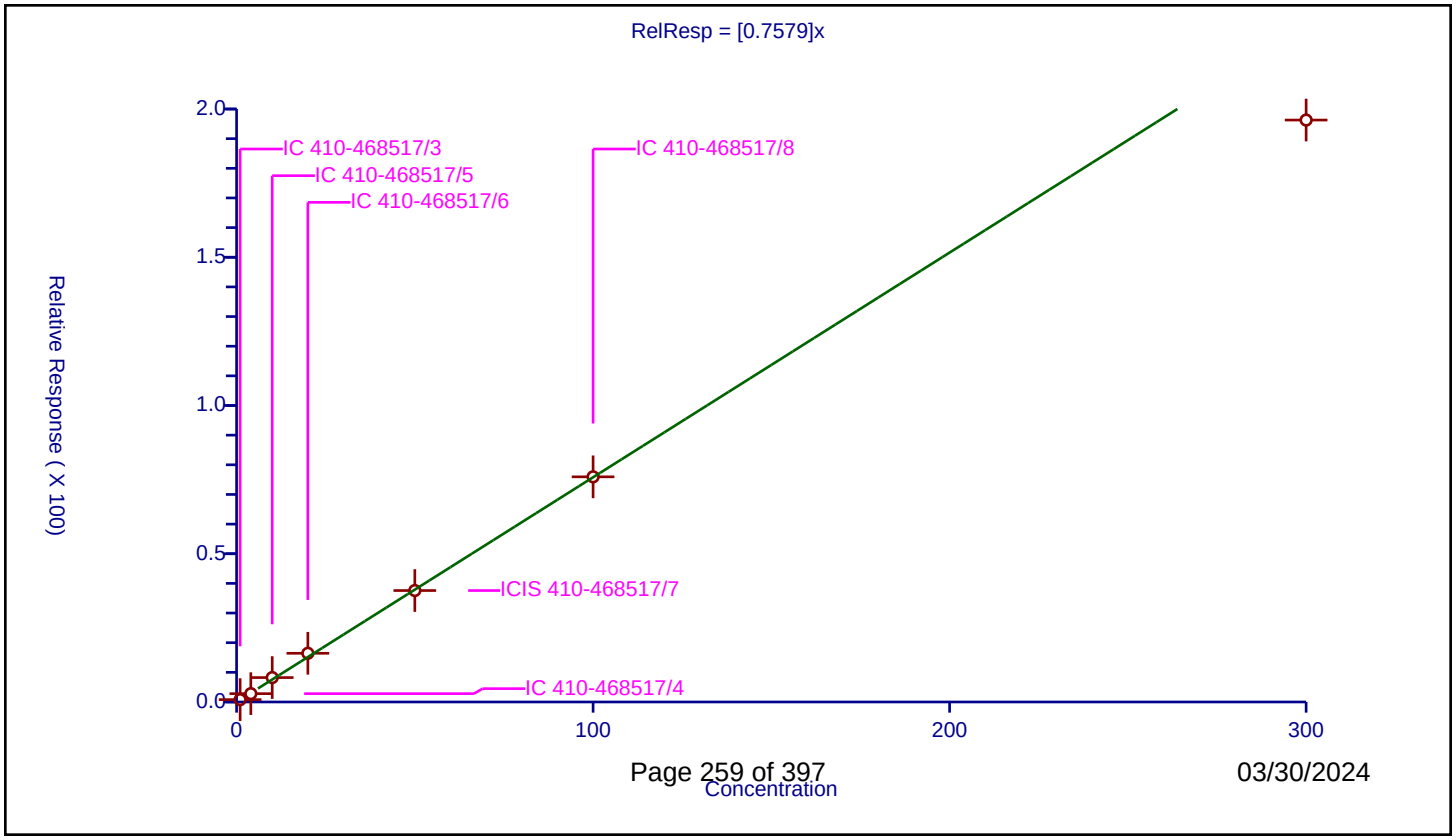
Curve Coefficients

Intercept:	0
Slope:	0.7579

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.793323	50.0	1273315.0	0.793323	Y
2	IC 410-468517/4	4.0	2.807618	50.0	1269154.0	0.701905	Y
3	IC 410-468517/5	10.0	8.233013	50.0	1213286.0	0.823301	Y
4	IC 410-468517/6	20.0	16.424371	50.0	1234580.0	0.821219	Y
5	ICIS 410-468517/7	50.0	37.586879	50.0	1250447.0	0.751738	Y
6	IC 410-468517/8	100.0	75.945717	50.0	1304381.0	0.759457	Y
7	IC 410-468517/9	300.0	196.277472	50.0	1276592.0	0.654258	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

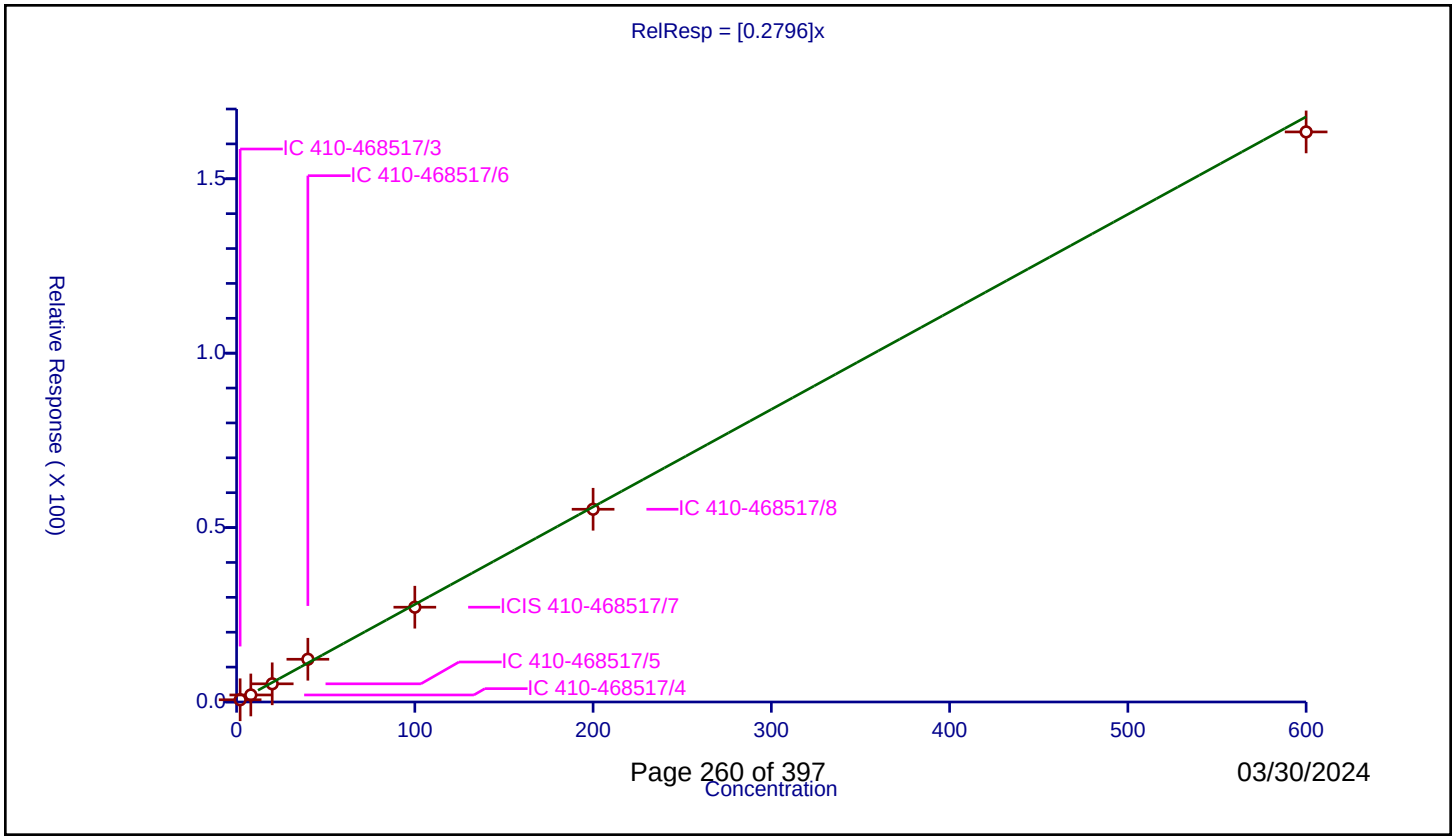
Curve Coefficients

Intercept:	0
Slope:	0.2796

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	2.0	0.63692	50.0	1273315.0	0.31846	Y
2	IC 410-468517/4	8.0	2.012443	50.0	1269154.0	0.251555	Y
3	IC 410-468517/5	20.0	5.212126	50.0	1213286.0	0.260606	Y
4	IC 410-468517/6	40.0	12.253074	50.0	1234580.0	0.306327	Y
5	ICIS 410-468517/7	100.0	27.172403	50.0	1250447.0	0.271724	Y
6	IC 410-468517/8	200.0	55.255941	50.0	1304381.0	0.27628	Y
7	IC 410-468517/9	600.0	163.434637	50.0	1276592.0	0.272391	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

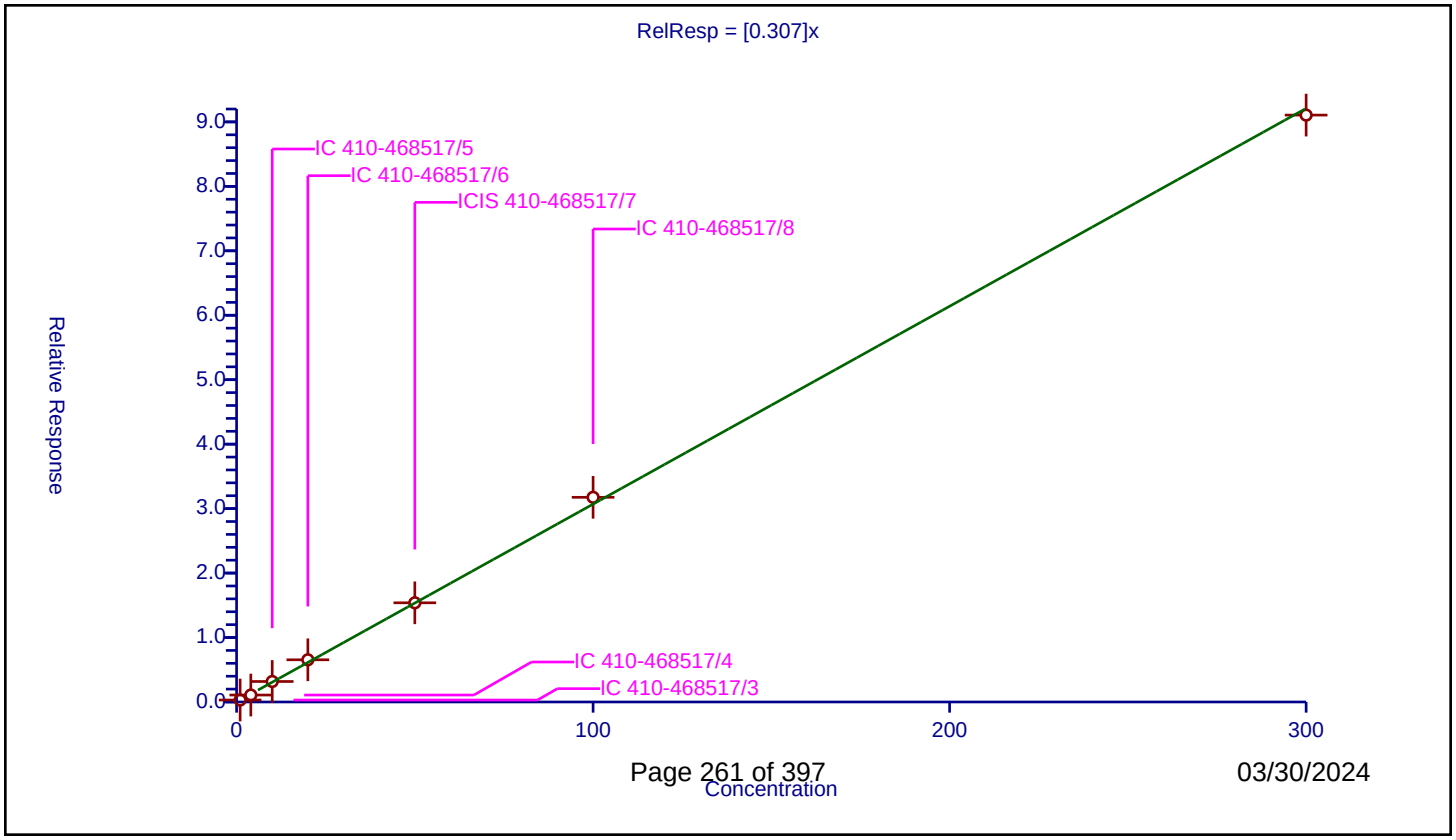
Curve Coefficients

Intercept:	0
Slope:	0.307

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.305659	50.0	1273315.0	0.305659	Y
2	IC 410-468517/4	4.0	1.07682	50.0	1269154.0	0.269205	Y
3	IC 410-468517/5	10.0	3.1793	50.0	1213286.0	0.31793	Y
4	IC 410-468517/6	20.0	6.546599	50.0	1234580.0	0.32733	Y
5	ICIS 410-468517/7	50.0	15.386858	50.0	1250447.0	0.307737	Y
6	IC 410-468517/8	100.0	31.757861	50.0	1304381.0	0.317579	Y
7	IC 410-468517/9	300.0	91.05513	50.0	1276592.0	0.303517	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

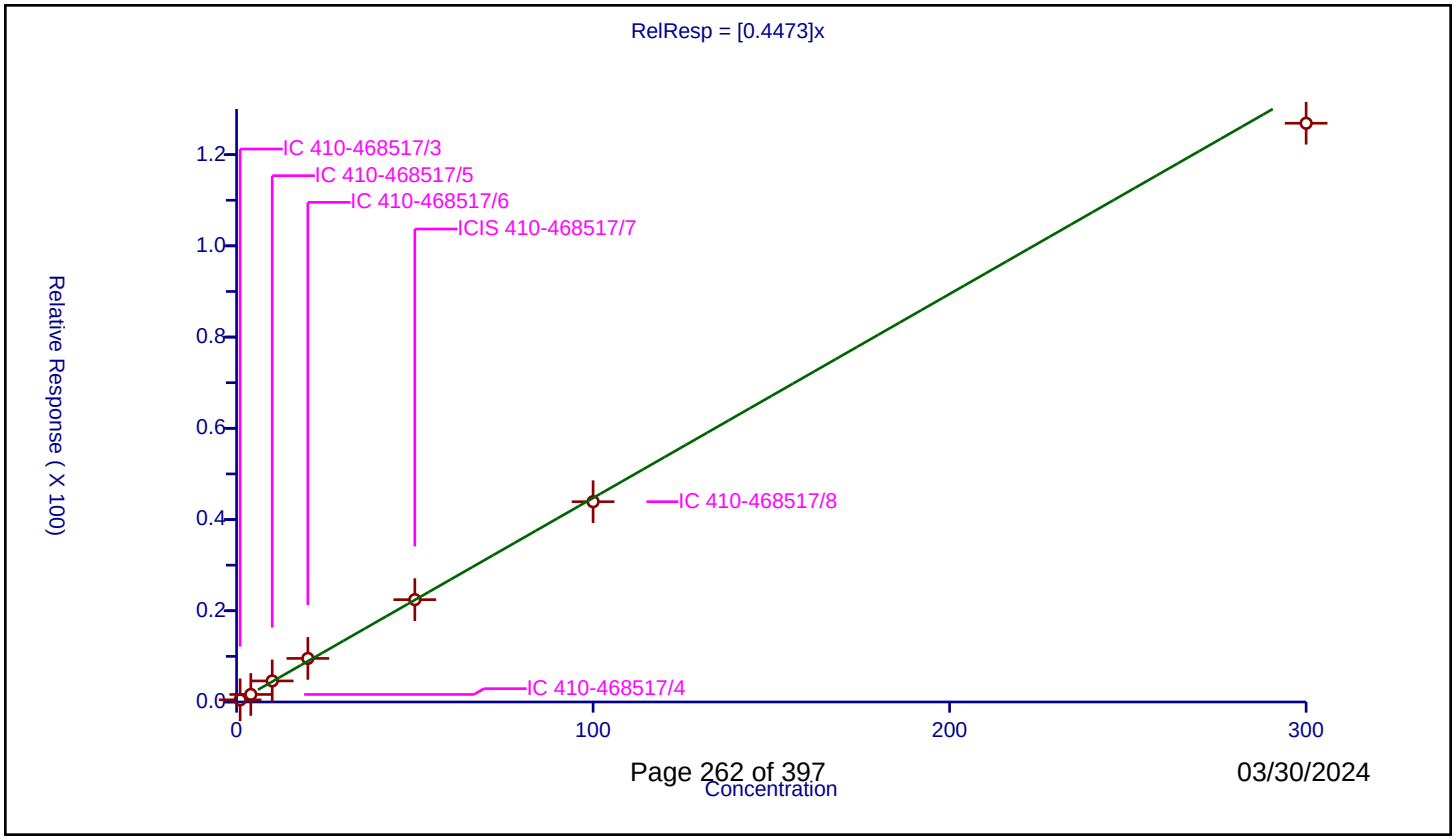
Curve Coefficients

Intercept:	0
Slope:	0.4473

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.467677	50.0	1273315.0	0.467677	Y
2	IC 410-468517/4	4.0	1.653936	50.0	1269154.0	0.413484	Y
3	IC 410-468517/5	10.0	4.613174	50.0	1213286.0	0.461317	Y
4	IC 410-468517/6	20.0	9.553897	50.0	1234580.0	0.477695	Y
5	ICIS 410-468517/7	50.0	22.432338	50.0	1250447.0	0.448647	Y
6	IC 410-468517/8	100.0	43.908183	50.0	1304381.0	0.439082	Y
7	IC 410-468517/9	300.0	126.88216	50.0	1276592.0	0.422941	Y



Calibration / Propionitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

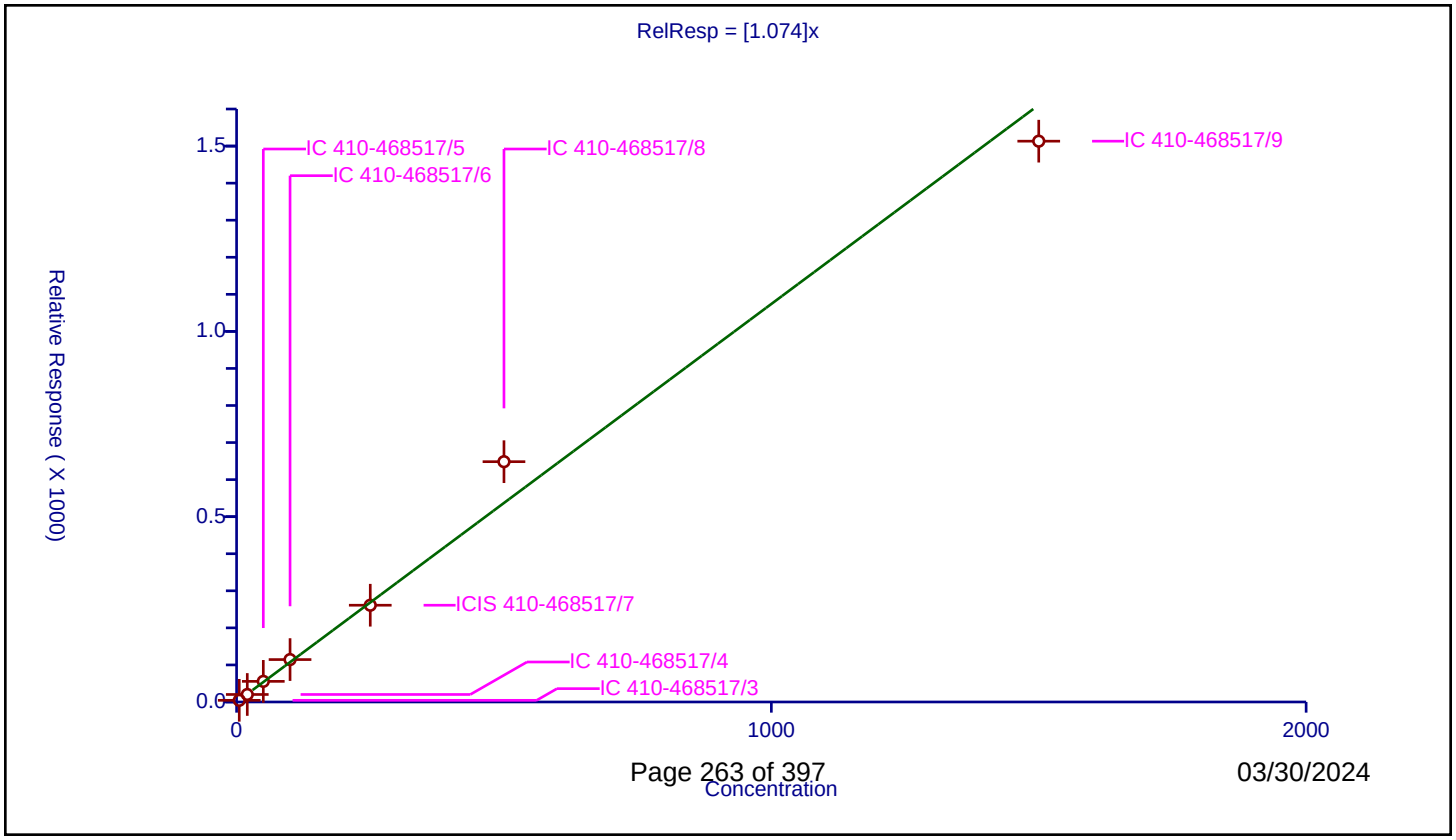
Curve Coefficients

Intercept:	0
Slope:	1.074

Error Coefficients

Relative Standard Deviation:	11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	5.0	4.492158	250.0	563482.0	0.898432	Y
2	IC 410-468517/4	20.0	20.233423	250.0	489240.0	1.011671	Y
3	IC 410-468517/5	50.0	55.673686	250.0	535895.0	1.113474	Y
4	IC 410-468517/6	100.0	114.424313	250.0	518146.0	1.144243	Y
5	ICIS 410-468517/7	250.0	261.083711	250.0	532448.0	1.044335	Y
6	IC 410-468517/8	500.0	648.384232	250.0	528139.0	1.296768	Y
7	IC 410-468517/9	1500.0	1513.224195	250.0	525325.0	1.008816	Y



Calibration / Methyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

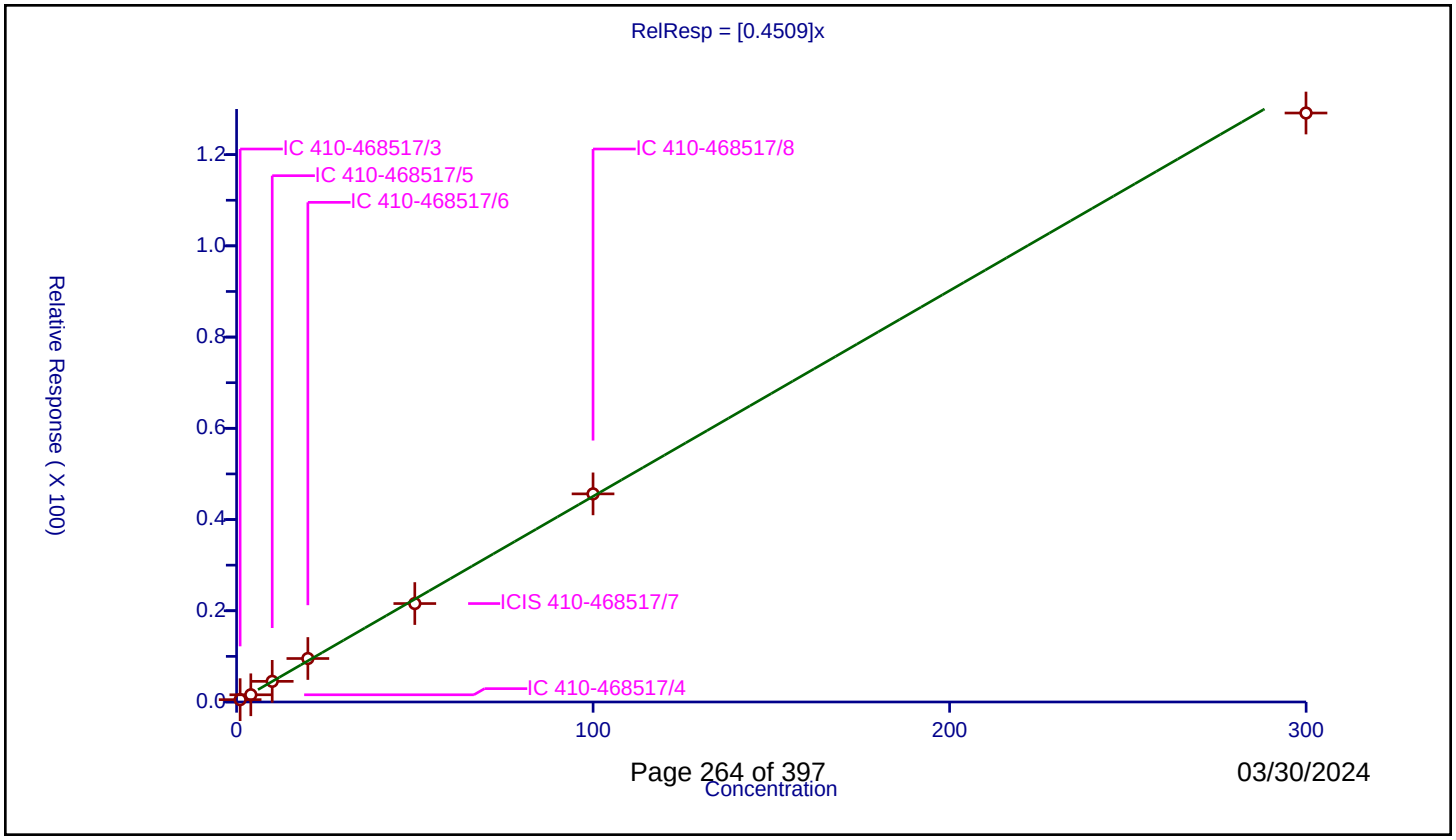
Curve Coefficients

Intercept:	0
Slope:	0.4509

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	0.999894	0.512638	50.0	1273315.0	0.512693	Y
2	IC 410-468517/4	3.999576	1.581959	50.0	1269154.0	0.395532	Y
3	IC 410-468517/5	9.99894	4.527004	50.0	1213286.0	0.452748	Y
4	IC 410-468517/6	19.99788	9.531298	50.0	1234580.0	0.476615	Y
5	ICIS 410-468517/7	49.9947	21.583962	50.0	1250447.0	0.431725	Y
6	IC 410-468517/8	99.9894	45.625971	50.0	1304381.0	0.456308	Y
7	IC 410-468517/9	299.9682	129.123949	50.0	1276592.0	0.430459	Y



Calibration / Methacrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

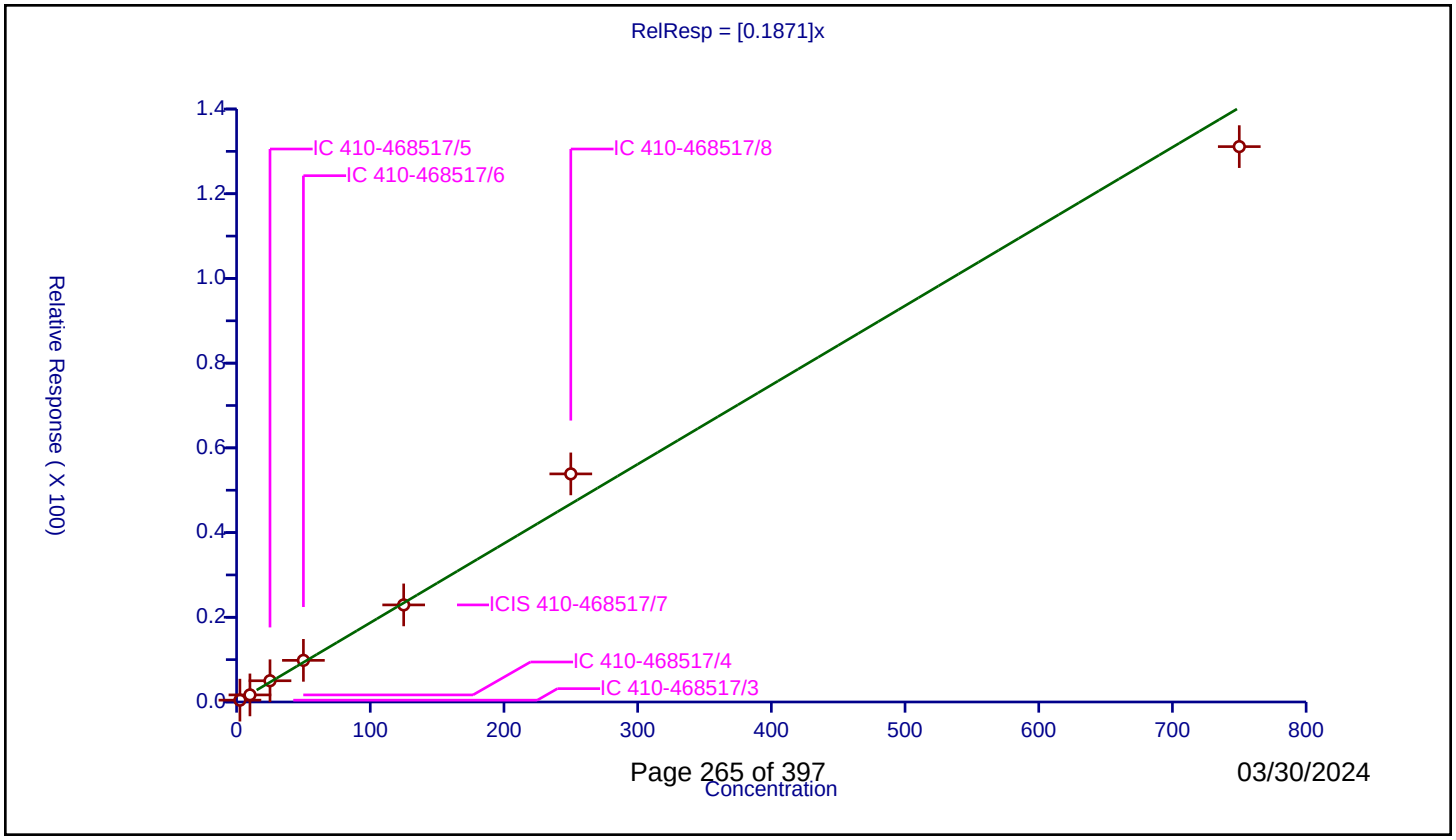
Curve Coefficients

Intercept:	0
Slope:	0.1871

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	2.5	0.429941	50.0	1273315.0	0.171976	Y
2	IC 410-468517/4	10.0	1.669656	50.0	1269154.0	0.166966	Y
3	IC 410-468517/5	25.0	5.014152	50.0	1213286.0	0.200566	Y
4	IC 410-468517/6	50.0	9.828444	50.0	1234580.0	0.196569	Y
5	ICIS 410-468517/7	125.0	22.918124	50.0	1250447.0	0.183345	Y
6	IC 410-468517/8	250.0	53.854127	50.0	1304381.0	0.215417	Y
7	IC 410-468517/9	750.0	131.122512	50.0	1276592.0	0.17483	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

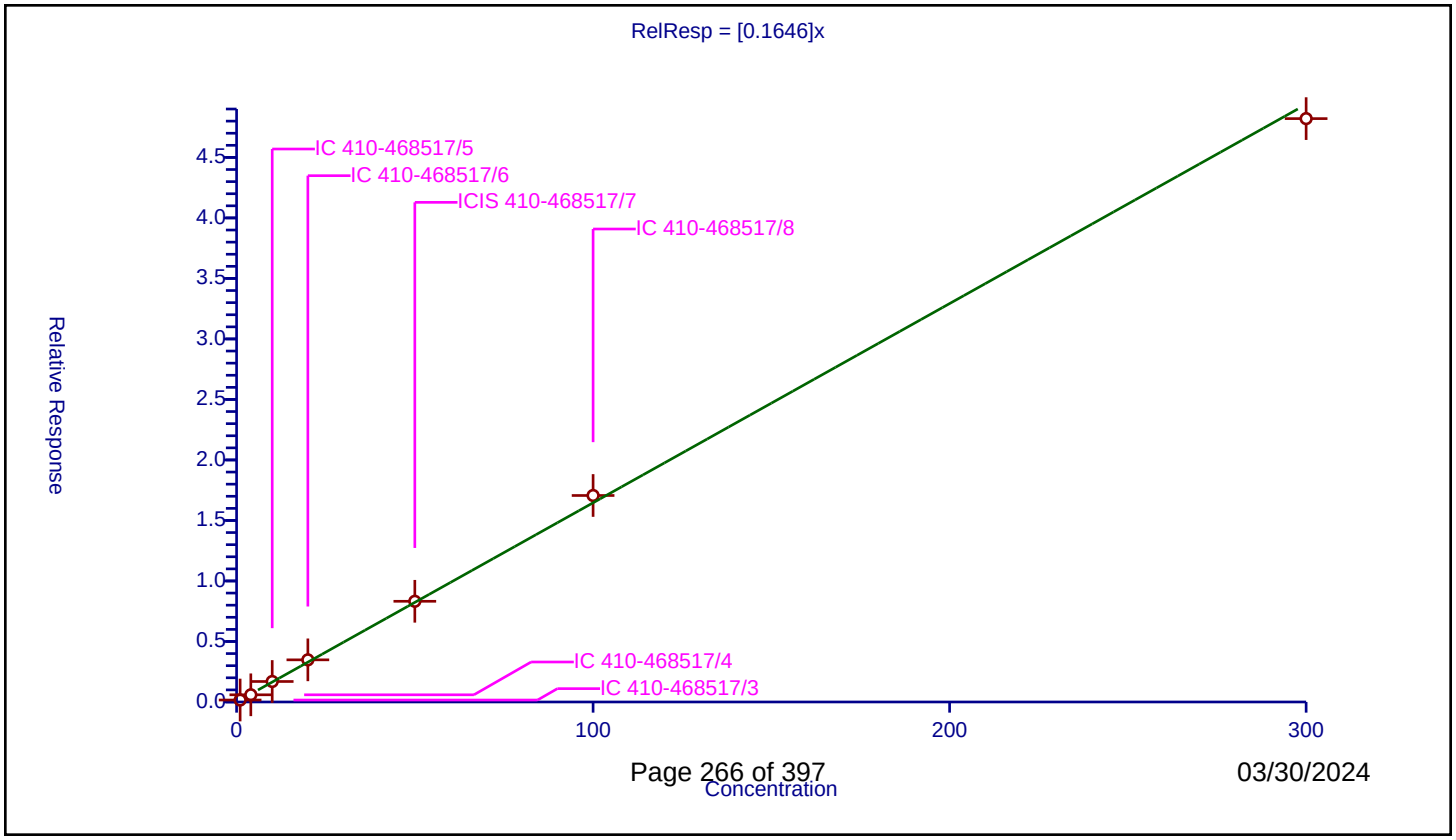
Curve Coefficients

Intercept:	0
Slope:	0.1646

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.162686	50.0	1273315.0	0.162686	Y
2	IC 410-468517/4	4.0	0.593151	50.0	1269154.0	0.148288	Y
3	IC 410-468517/5	10.0	1.694201	50.0	1213286.0	0.16942	Y
4	IC 410-468517/6	20.0	3.482885	50.0	1234580.0	0.174144	Y
5	ICIS 410-468517/7	50.0	8.322744	50.0	1250447.0	0.166455	Y
6	IC 410-468517/8	100.0	17.063113	50.0	1304381.0	0.170631	Y
7	IC 410-468517/9	300.0	48.206357	50.0	1276592.0	0.160688	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

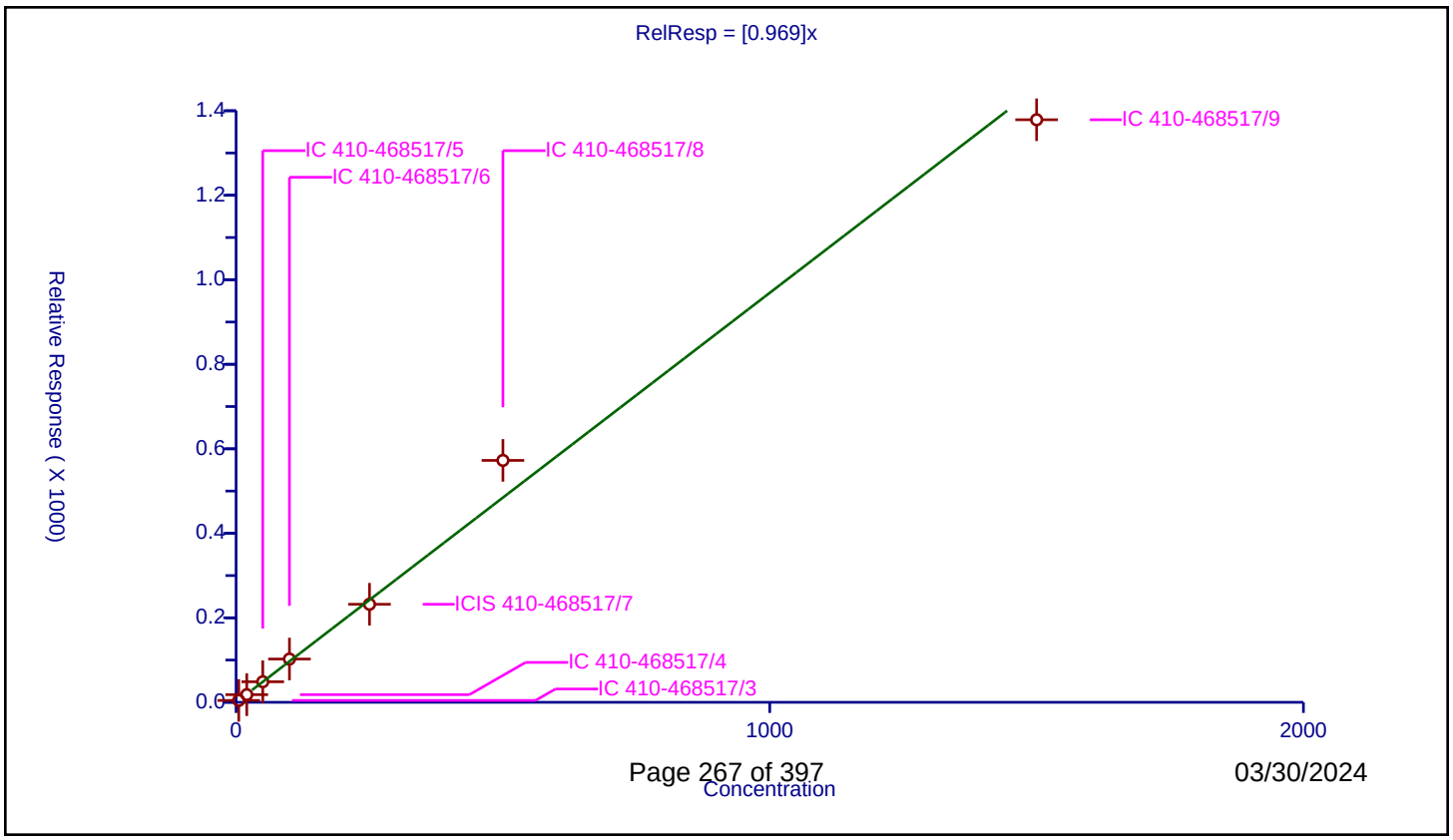
Curve Coefficients

Intercept:	0
Slope:	0.969

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	5.0	4.438917	250.0	563482.0	0.887783	Y
2	IC 410-468517/4	20.0	18.115342	250.0	489240.0	0.905767	Y
3	IC 410-468517/5	50.0	48.665783	250.0	535895.0	0.973316	Y
4	IC 410-468517/6	100.0	102.392955	250.0	518146.0	1.02393	Y
5	ICIS 410-468517/7	250.0	232.047543	250.0	532448.0	0.92819	Y
6	IC 410-468517/8	500.0	572.518314	250.0	528139.0	1.145037	Y
7	IC 410-468517/9	1500.0	1378.697473	250.0	525325.0	0.919132	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

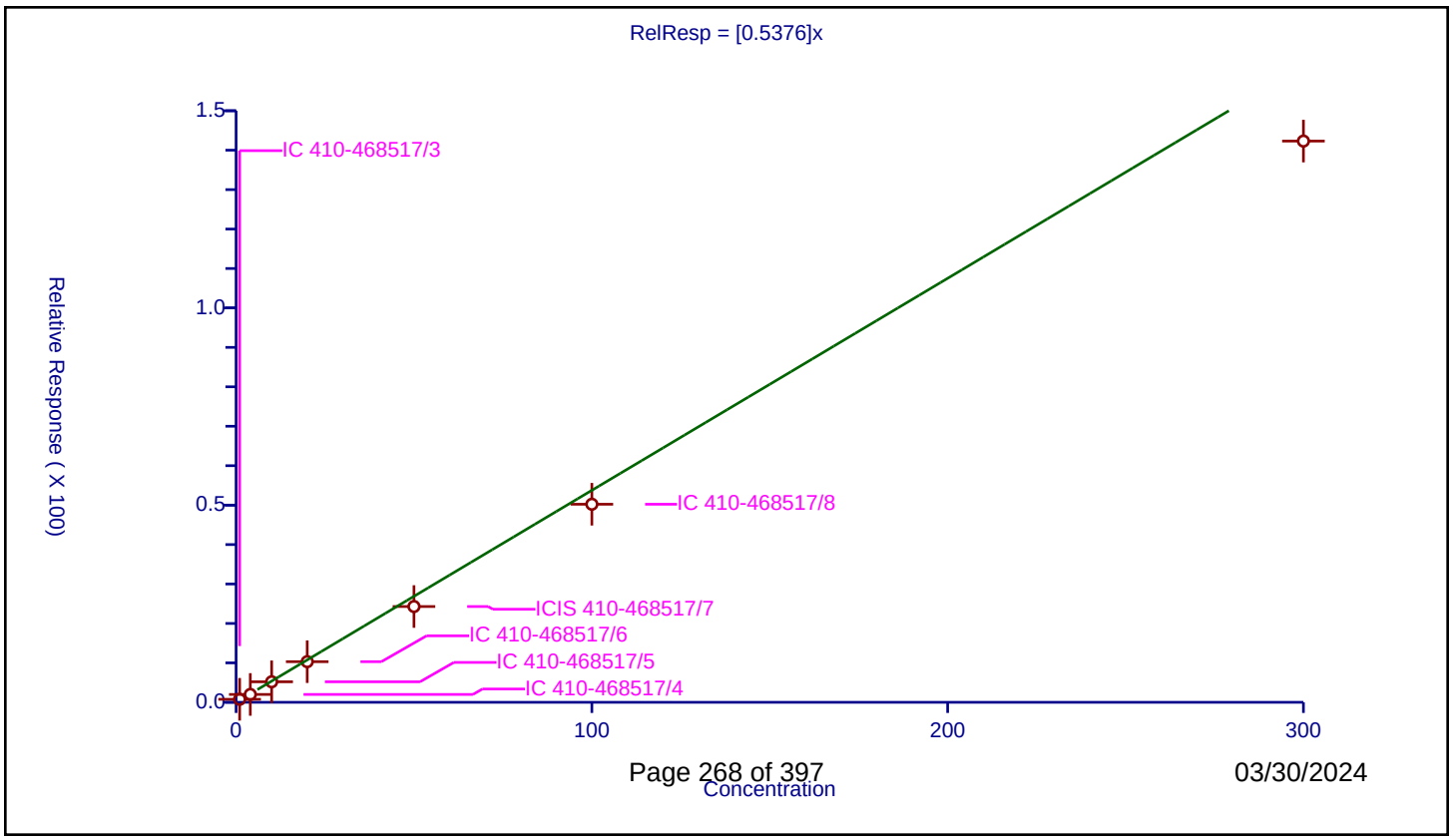
Curve Coefficients

Intercept:	0
Slope:	0.5376

Error Coefficients

Relative Standard Deviation:	19.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.766935	50.0	1273315.0	0.766935	Y
2	IC 410-468517/4	4.0	1.992705	50.0	1269154.0	0.498176	Y
3	IC 410-468517/5	10.0	5.203266	50.0	1213286.0	0.520327	Y
4	IC 410-468517/6	20.0	10.303504	50.0	1234580.0	0.515175	Y
5	ICIS 410-468517/7	50.0	24.287315	50.0	1250447.0	0.485746	Y
6	IC 410-468517/8	100.0	50.224704	50.0	1304381.0	0.502247	Y
7	IC 410-468517/9	300.0	142.309994	50.0	1276592.0	0.474367	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

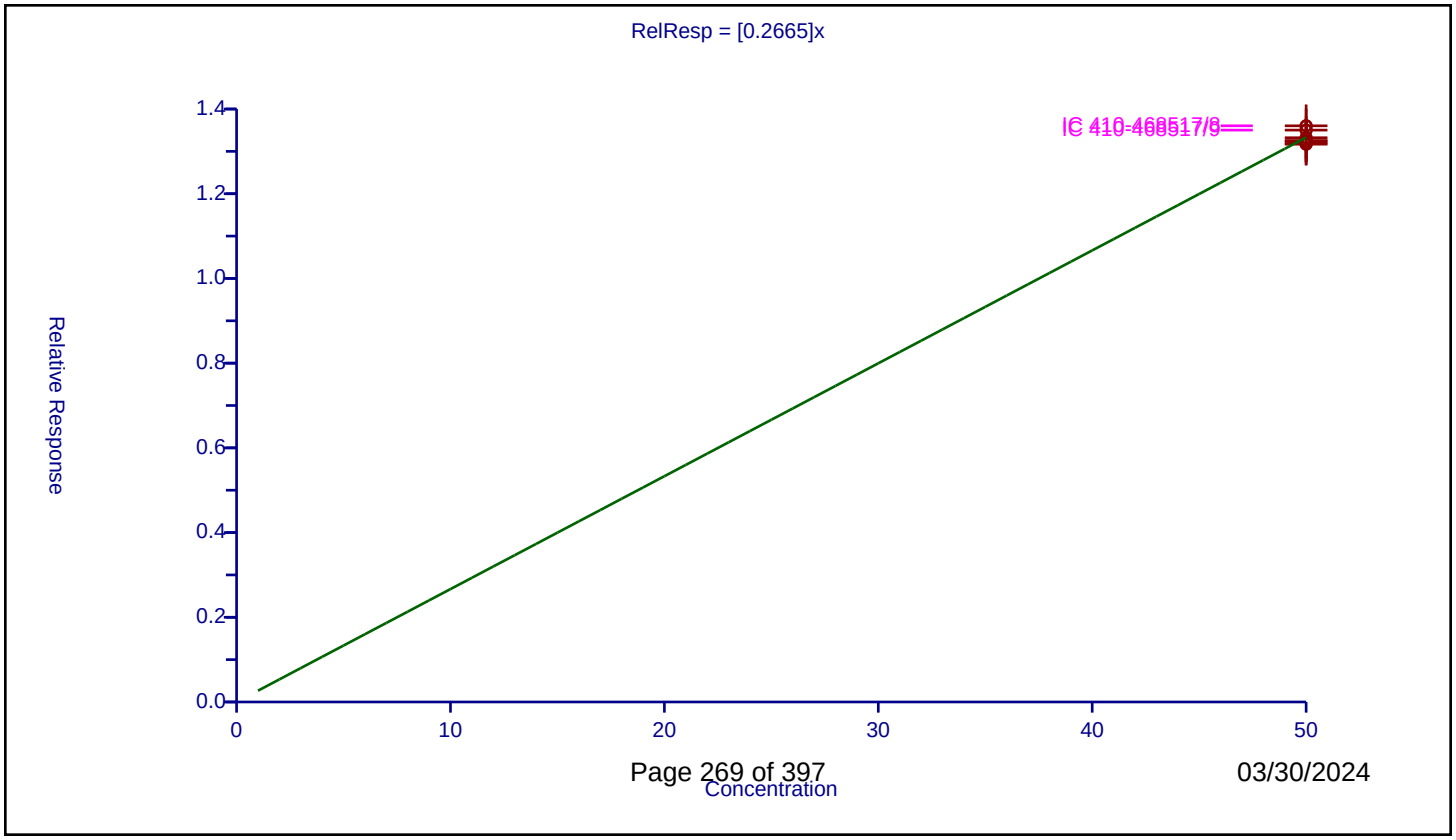
Curve Coefficients

Intercept:	0
Slope:	0.2665

Error Coefficients

Relative Standard Deviation:	1.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	50.0	13.191826	50.0	1273315.0	0.263837	Y
2	IC 410-468517/4	50.0	13.253435	50.0	1269154.0	0.265069	Y
3	IC 410-468517/5	50.0	13.169401	50.0	1213286.0	0.263388	Y
4	IC 410-468517/6	50.0	13.321656	50.0	1234580.0	0.266433	Y
5	ICIS 410-468517/7	50.0	13.245383	50.0	1250447.0	0.264908	Y
6	IC 410-468517/8	50.0	13.603119	50.0	1304381.0	0.272062	Y
7	IC 410-468517/9	50.0	13.501847	50.0	1276592.0	0.270037	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

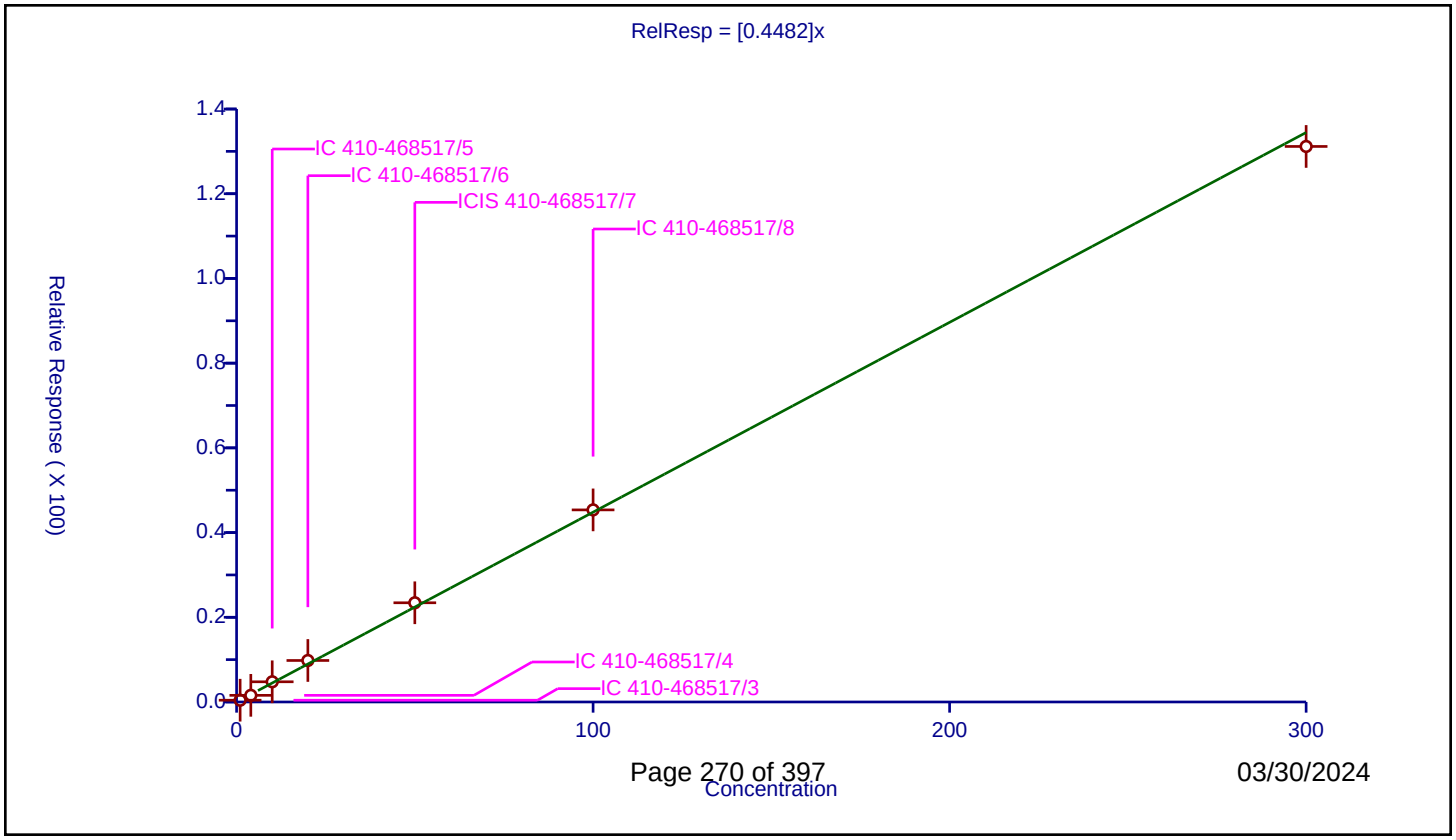
Curve Coefficients

Intercept:	0
Slope:	0.4482

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.418043	50.0	1273315.0	0.418043	Y
2	IC 410-468517/4	4.0	1.572819	50.0	1269154.0	0.393205	Y
3	IC 410-468517/5	10.0	4.767755	50.0	1213286.0	0.476775	Y
4	IC 410-468517/6	20.0	9.799405	50.0	1234580.0	0.48997	Y
5	ICIS 410-468517/7	50.0	23.426023	50.0	1250447.0	0.46852	Y
6	IC 410-468517/8	100.0	45.355191	50.0	1304381.0	0.453552	Y
7	IC 410-468517/9	300.0	131.161718	50.0	1276592.0	0.437206	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

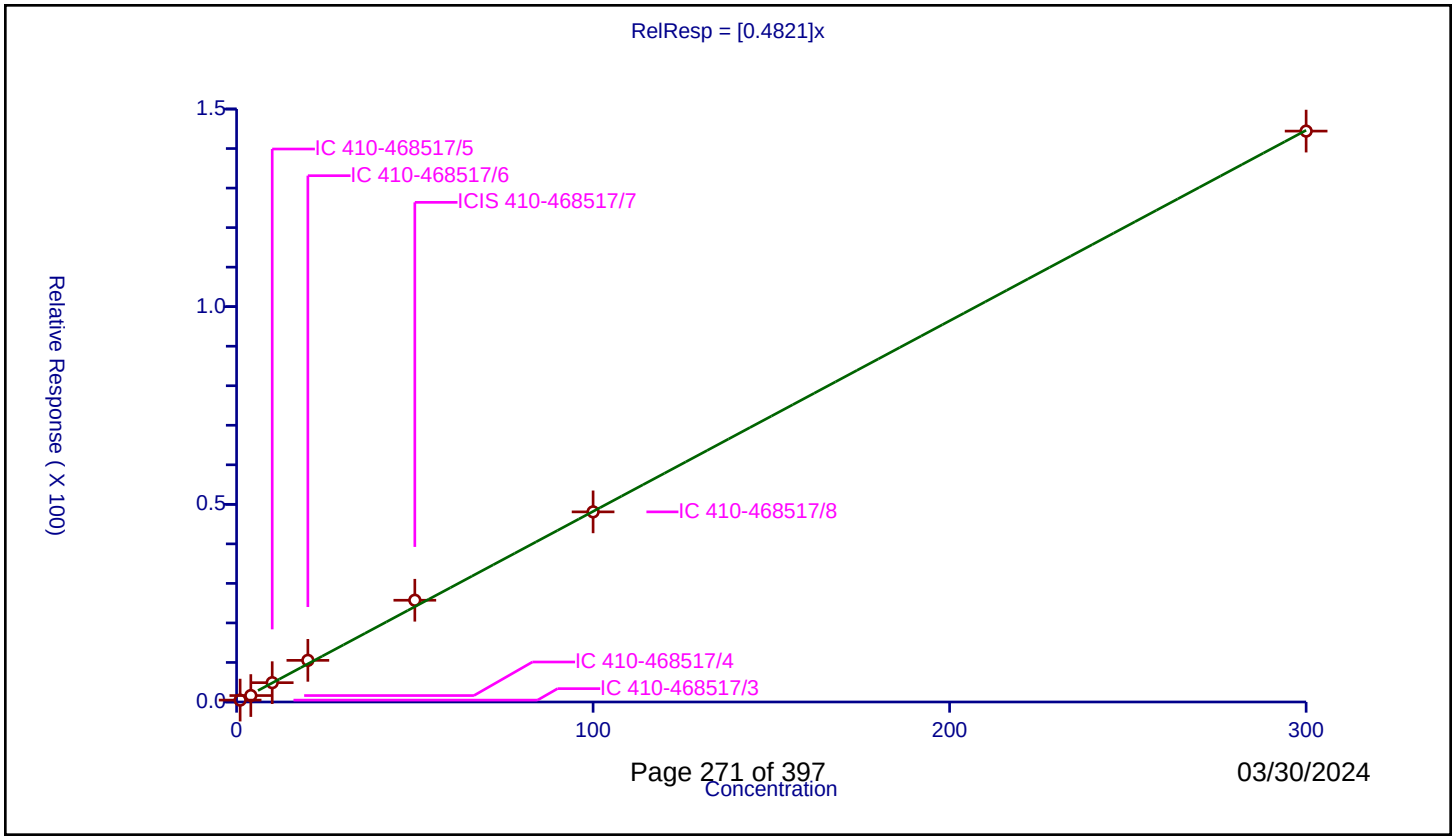
Curve Coefficients

Intercept:	0
Slope:	0.4821

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.474745	50.0	1273315.0	0.474745	Y
2	IC 410-468517/4	4.0	1.629668	50.0	1269154.0	0.407417	Y
3	IC 410-468517/5	10.0	4.884875	50.0	1213286.0	0.488487	Y
4	IC 410-468517/6	20.0	10.536458	50.0	1234580.0	0.526823	Y
5	ICIS 410-468517/7	50.0	25.738436	50.0	1250447.0	0.514769	Y
6	IC 410-468517/8	100.0	48.095725	50.0	1304381.0	0.480957	Y
7	IC 410-468517/9	300.0	144.414425	50.0	1276592.0	0.481381	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

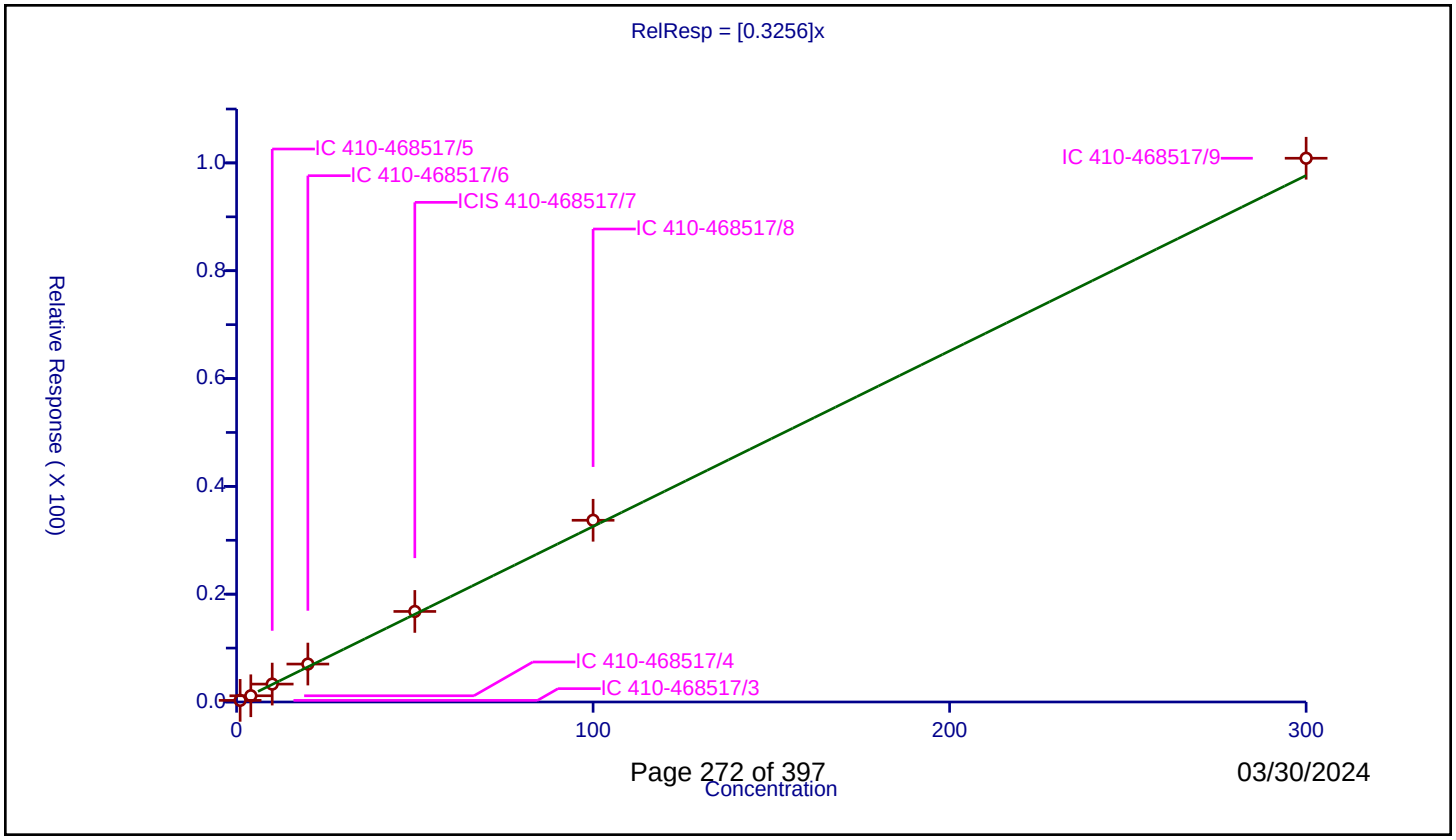
Curve Coefficients

Intercept:	0
Slope:	0.3256

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.297177	50.0	1273315.0	0.297177	Y
2	IC 410-468517/4	4.0	1.154076	50.0	1269154.0	0.288519	Y
3	IC 410-468517/5	10.0	3.32127	50.0	1213286.0	0.332127	Y
4	IC 410-468517/6	20.0	7.039196	50.0	1234580.0	0.35196	Y
5	ICIS 410-468517/7	50.0	16.794514	50.0	1250447.0	0.33589	Y
6	IC 410-468517/8	100.0	33.709514	50.0	1304381.0	0.337095	Y
7	IC 410-468517/9	300.0	100.866722	50.0	1276592.0	0.336222	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

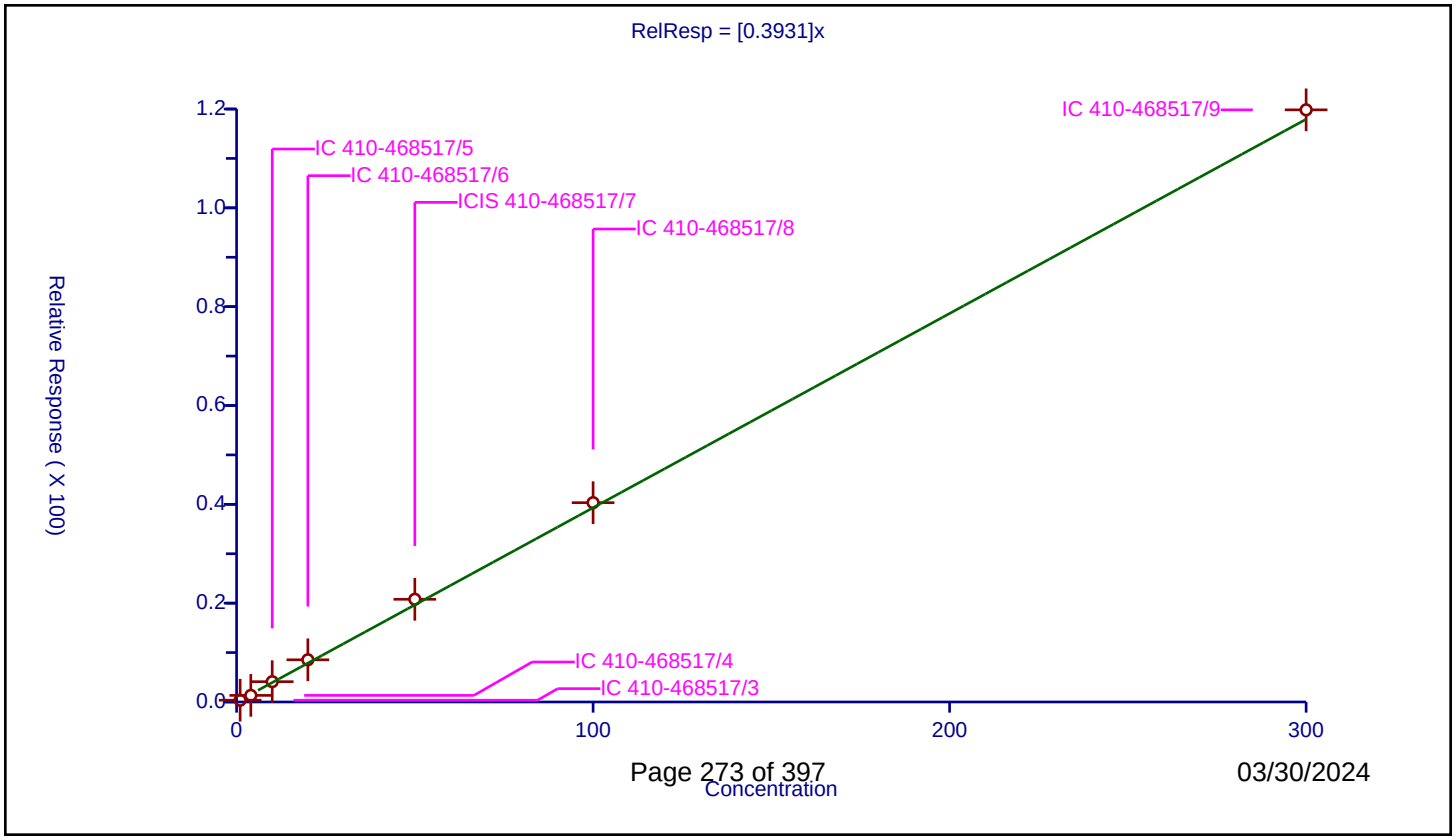
Curve Coefficients

Intercept:	0
Slope:	0.3931

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.361065	50.0	1273315.0	0.361065	Y
2	IC 410-468517/4	4.0	1.336205	50.0	1269154.0	0.334051	Y
3	IC 410-468517/5	10.0	4.111273	50.0	1213286.0	0.411127	Y
4	IC 410-468517/6	20.0	8.538531	50.0	1234580.0	0.426927	Y
5	ICIS 410-468517/7	50.0	20.787206	50.0	1250447.0	0.415744	Y
6	IC 410-468517/8	100.0	40.336374	50.0	1304381.0	0.403364	Y
7	IC 410-468517/9	300.0	119.831591	50.0	1276592.0	0.399439	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

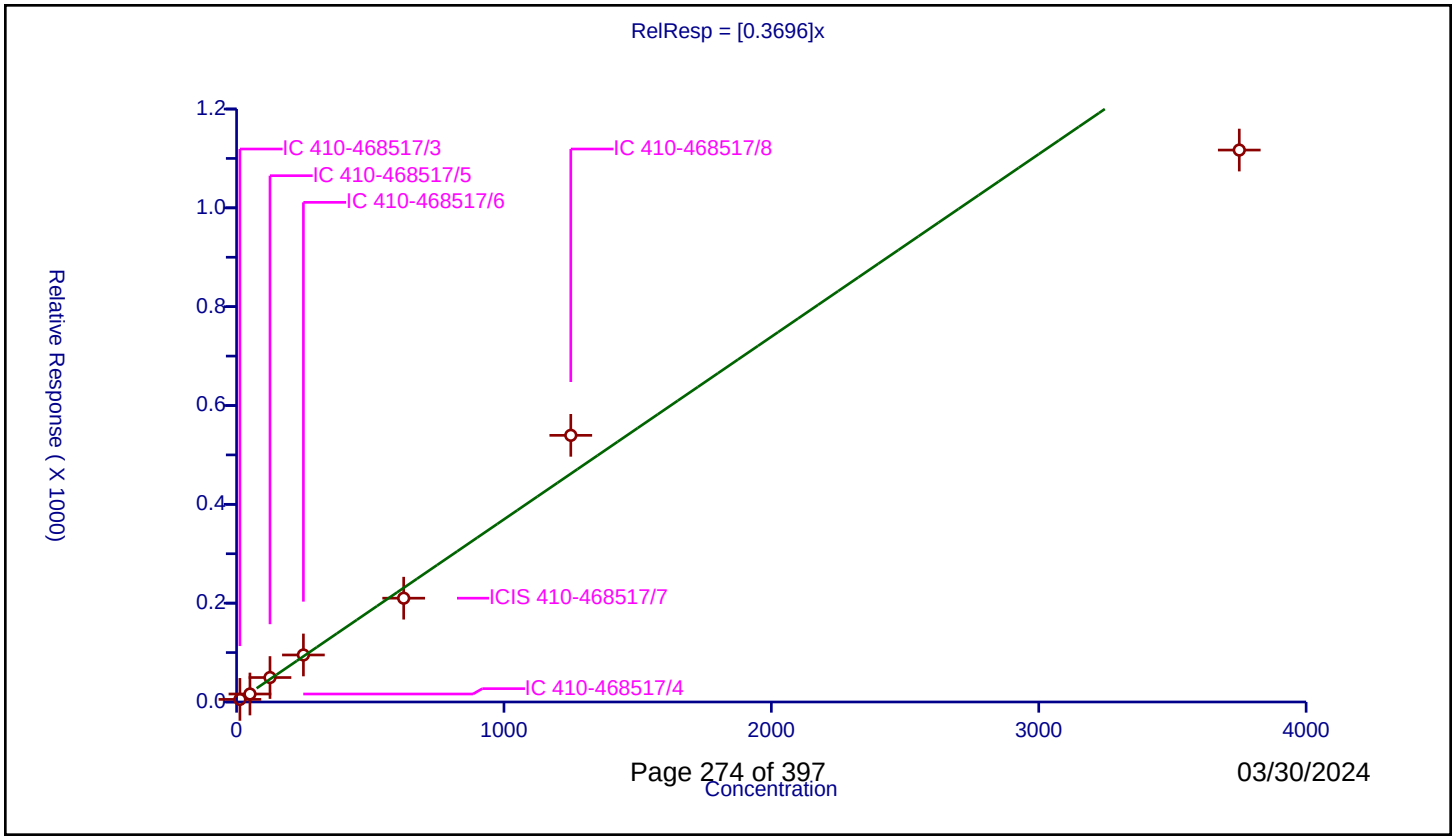
Curve Coefficients

Intercept:	0
Slope:	0.3696

Error Coefficients

Relative Standard Deviation:	13.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	12.5	5.265918	250.0	563482.0	0.421273	Y
2	IC 410-468517/4	50.0	16.16589	250.0	489240.0	0.323318	Y
3	IC 410-468517/5	125.0	49.508766	250.0	535895.0	0.39607	Y
4	IC 410-468517/6	250.0	95.147893	250.0	518146.0	0.380592	Y
5	ICIS 410-468517/7	625.0	210.042577	250.0	532448.0	0.336068	Y
6	IC 410-468517/8	1250.0	539.642499	250.0	528139.0	0.431714	Y
7	IC 410-468517/9	3750.0	1116.937134	250.0	525325.0	0.29785	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

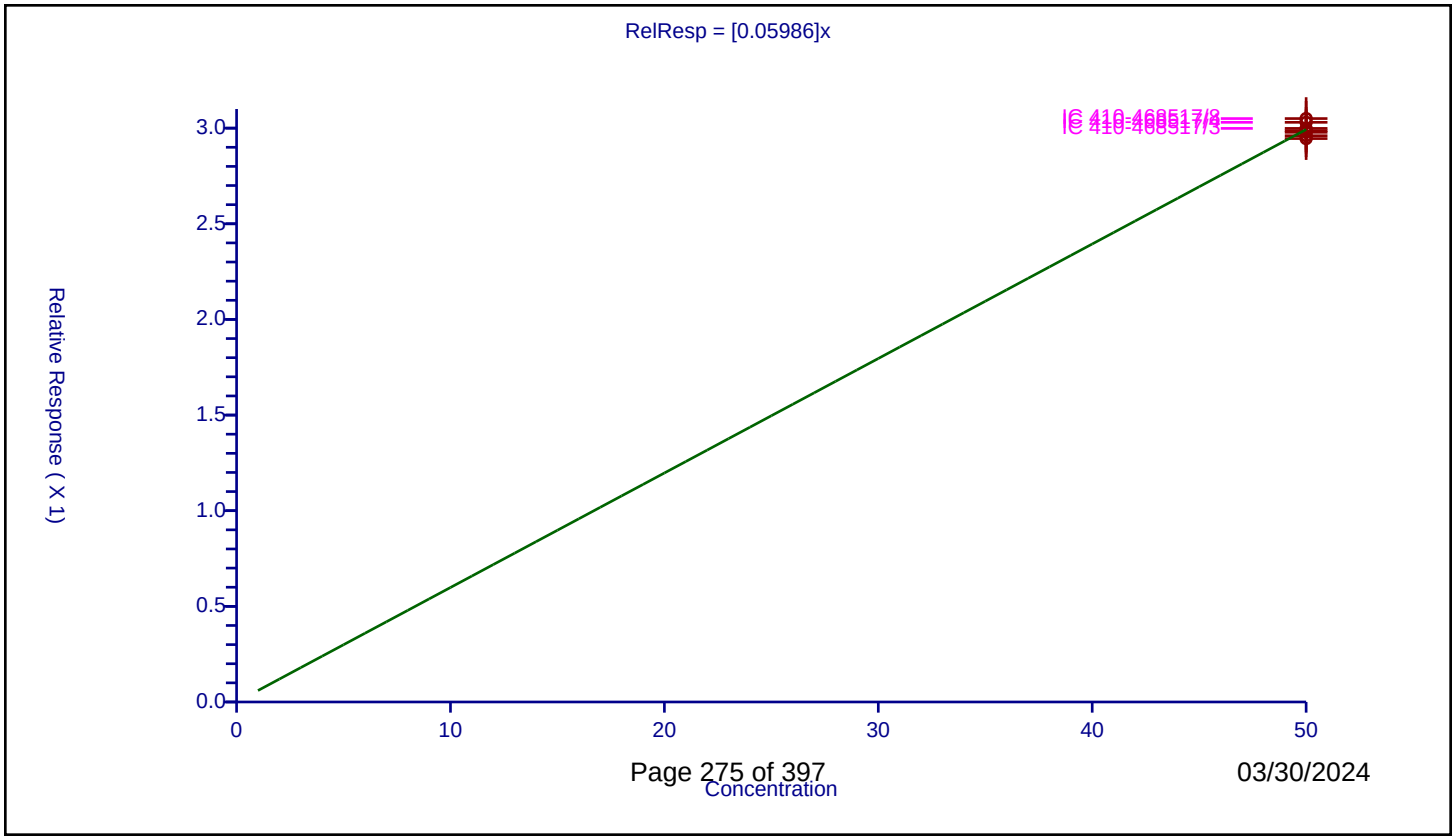
Curve Coefficients

Intercept:	0
Slope:	0.05986

Error Coefficients

Relative Standard Deviation:	1.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	50.0	2.99859	50.0	1273315.0	0.059972	Y
2	IC 410-468517/4	50.0	3.030483	50.0	1269154.0	0.06061	Y
3	IC 410-468517/5	50.0	2.986971	50.0	1213286.0	0.059739	Y
4	IC 410-468517/6	50.0	2.978098	50.0	1234580.0	0.059562	Y
5	ICIS 410-468517/7	50.0	2.945387	50.0	1250447.0	0.058908	Y
6	IC 410-468517/8	50.0	3.050144	50.0	1304381.0	0.061003	Y
7	IC 410-468517/9	50.0	2.960382	50.0	1276592.0	0.059208	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

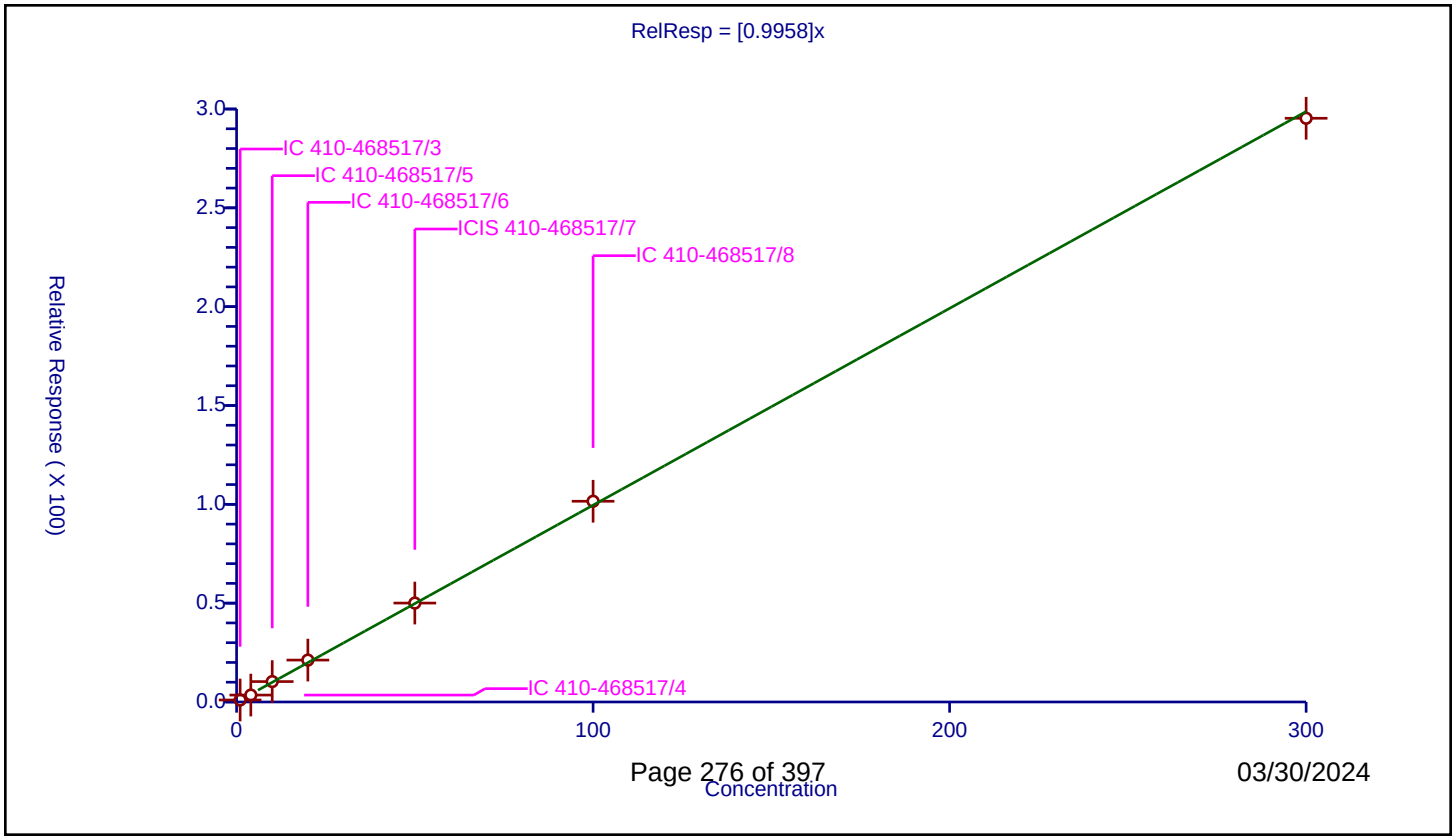
Curve Coefficients

Intercept:	0
Slope:	0.9958

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	1.000695	50.0	1273315.0	1.000695	Y
2	IC 410-468517/4	4.0	3.504776	50.0	1269154.0	0.876194	Y
3	IC 410-468517/5	10.0	10.32201	50.0	1213286.0	1.032201	Y
4	IC 410-468517/6	20.0	21.205997	50.0	1234580.0	1.0603	Y
5	ICIS 410-468517/7	50.0	50.042665	50.0	1250447.0	1.000853	Y
6	IC 410-468517/8	100.0	101.561009	50.0	1304381.0	1.01561	Y
7	IC 410-468517/9	300.0	295.322155	50.0	1276592.0	0.984407	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

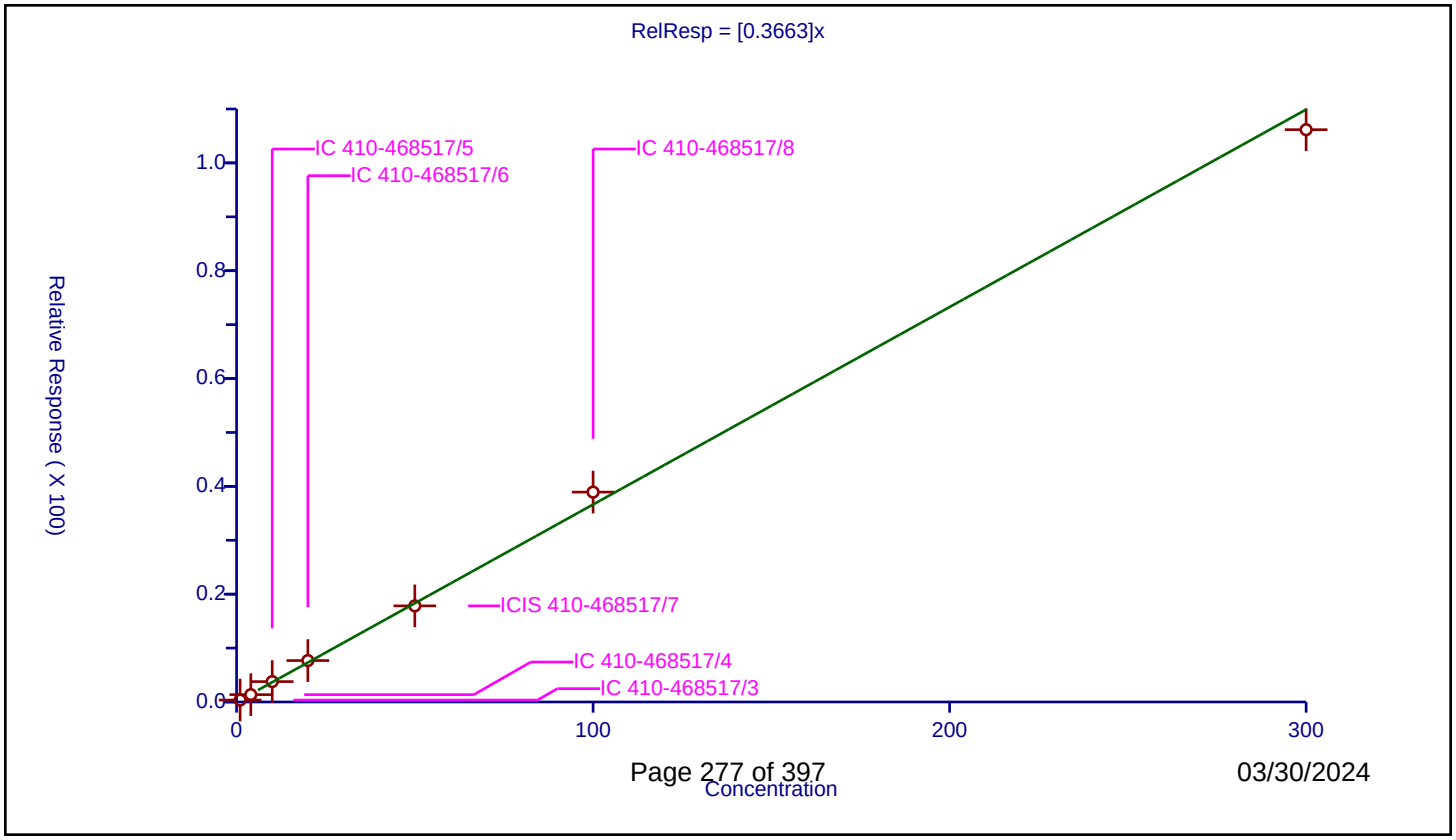
Curve Coefficients

Intercept:	0
Slope:	0.3663

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.360633	50.0	1273315.0	0.360633	Y
2	IC 410-468517/4	4.0	1.365083	50.0	1269154.0	0.341271	Y
3	IC 410-468517/5	10.0	3.783321	50.0	1213286.0	0.378332	Y
4	IC 410-468517/6	20.0	7.687149	50.0	1234580.0	0.384357	Y
5	ICIS 410-468517/7	50.0	17.828784	50.0	1250447.0	0.356576	Y
6	IC 410-468517/8	100.0	38.935978	50.0	1304381.0	0.38936	Y
7	IC 410-468517/9	300.0	106.166457	50.0	1276592.0	0.353888	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

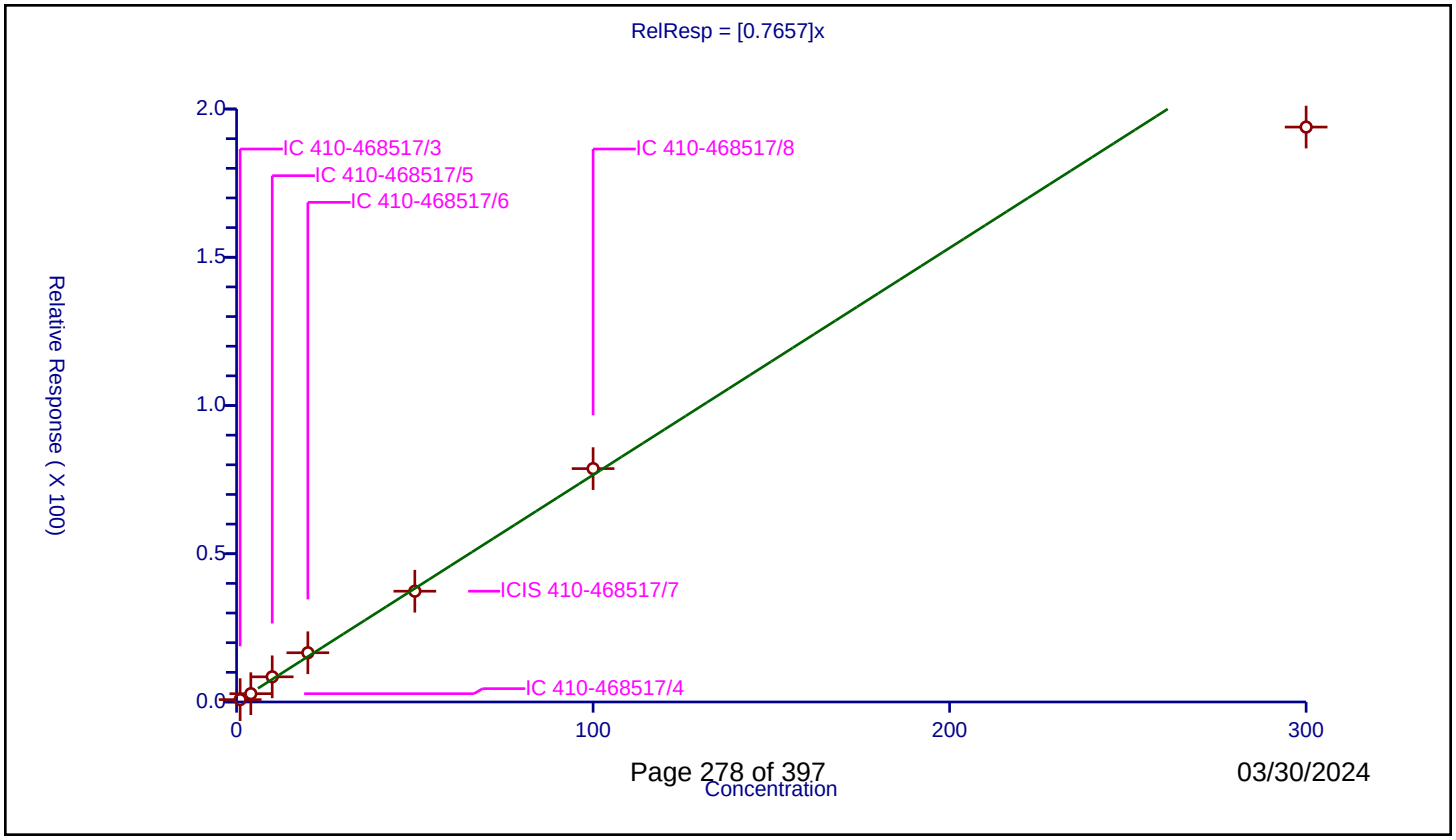
Curve Coefficients

Intercept:	0
Slope:	0.7657

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.800038	50.0	1273315.0	0.800038	Y
2	IC 410-468517/4	4.0	2.800015	50.0	1269154.0	0.700004	Y
3	IC 410-468517/5	10.0	8.488971	50.0	1213286.0	0.848897	Y
4	IC 410-468517/6	20.0	16.610264	50.0	1234580.0	0.830513	Y
5	ICIS 410-468517/7	50.0	37.362279	50.0	1250447.0	0.747246	Y
6	IC 410-468517/8	100.0	78.708828	50.0	1304381.0	0.787088	Y
7	IC 410-468517/9	300.0	193.910858	50.0	1276592.0	0.64637	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

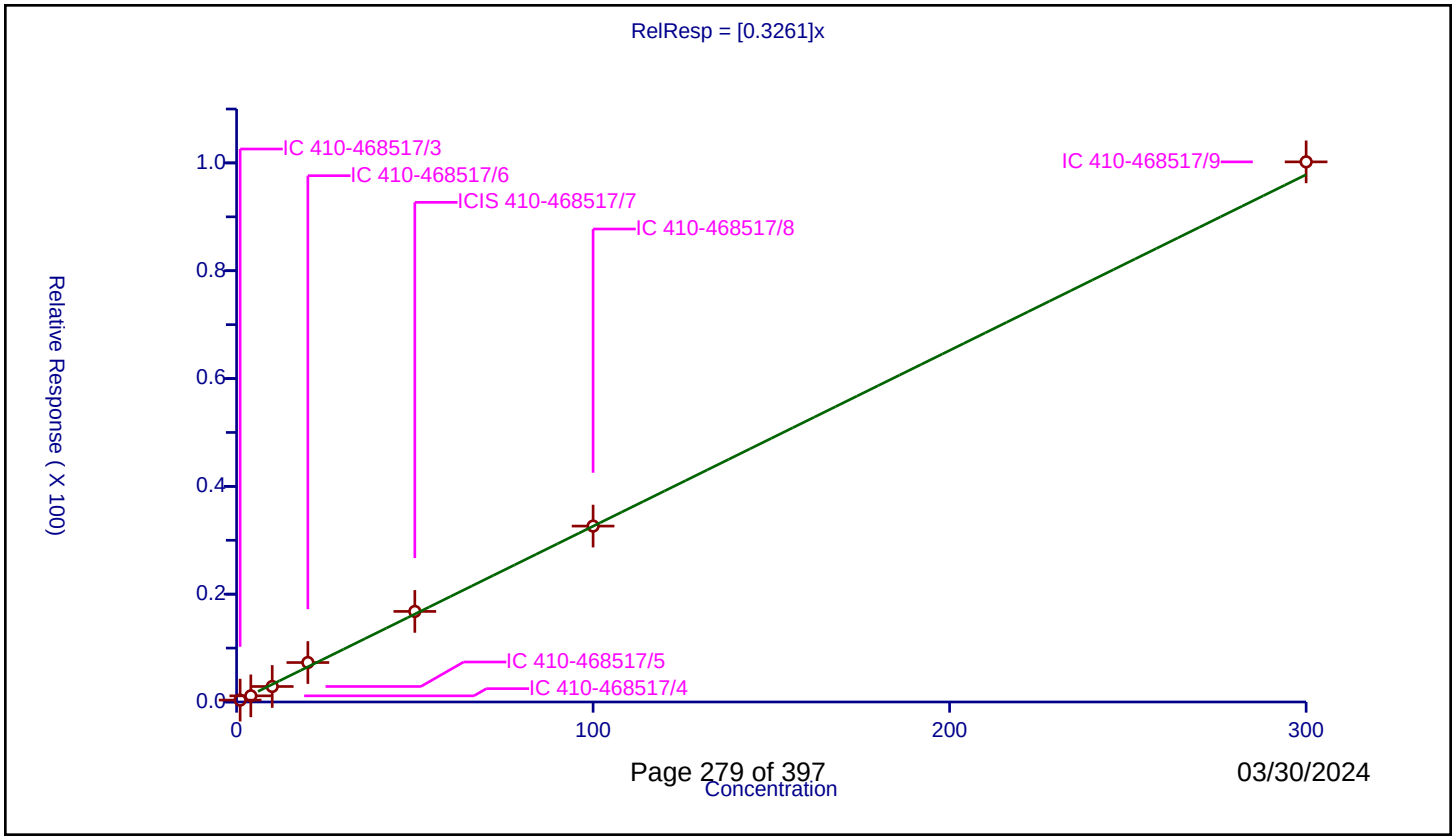
Curve Coefficients

Intercept:	0
Slope:	0.3261

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.347872	50.0	1273315.0	0.347872	Y
2	IC 410-468517/4	4.0	1.140169	50.0	1269154.0	0.285042	Y
3	IC 410-468517/5	10.0	2.874096	50.0	1213286.0	0.28741	Y
4	IC 410-468517/6	20.0	7.318967	50.0	1234580.0	0.365948	Y
5	ICIS 410-468517/7	50.0	16.800672	50.0	1250447.0	0.336013	Y
6	IC 410-468517/8	100.0	32.63157	50.0	1304381.0	0.326316	Y
7	IC 410-468517/9	300.0	100.196382	50.0	1276592.0	0.333988	Y



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

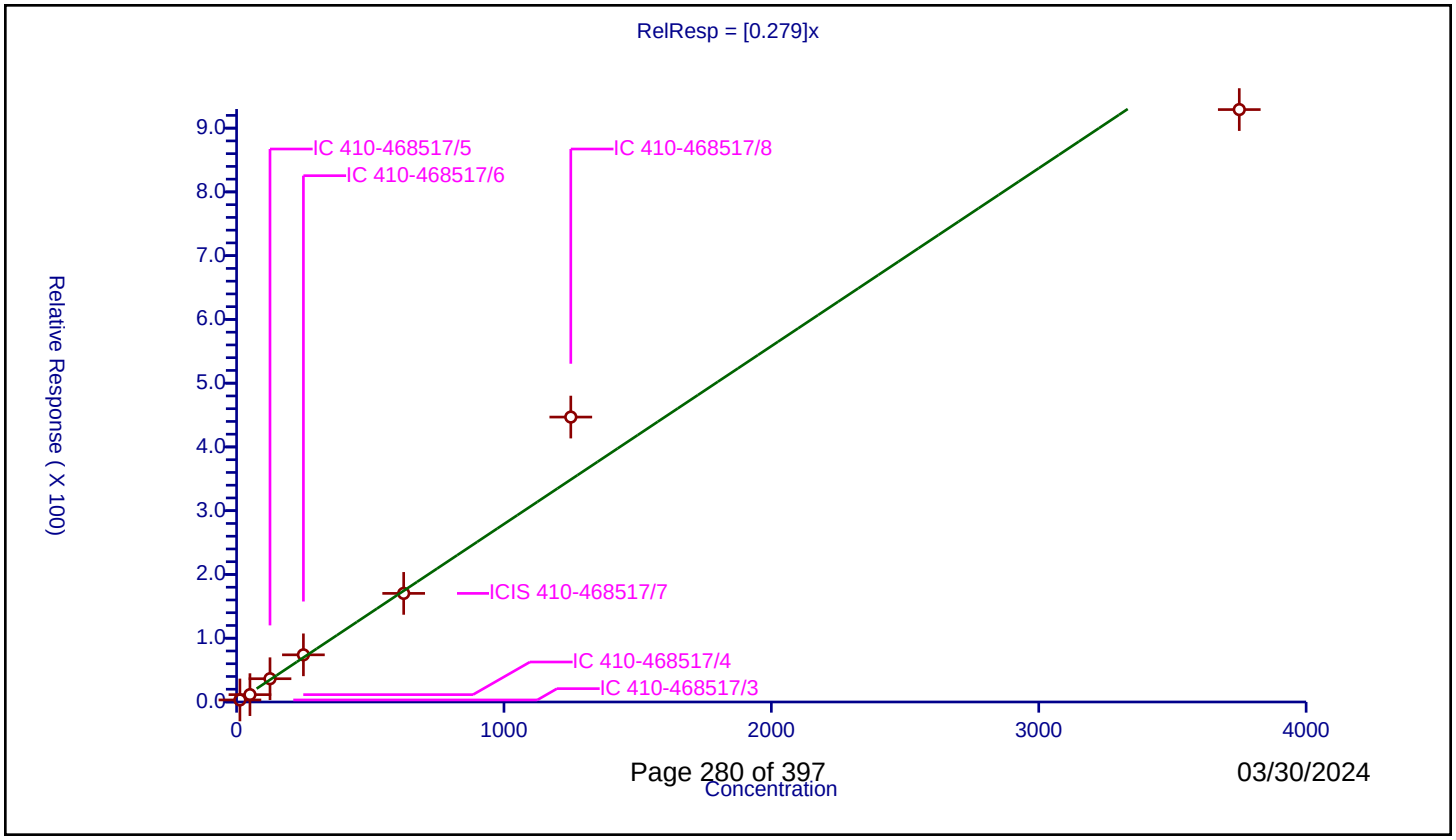
Curve Coefficients

Intercept:	0
Slope:	0.279

Error Coefficients

Relative Standard Deviation:	15.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	12.5	3.217938	250.0	563482.0	0.257435	Y
2	IC 410-468517/4	50.0	11.508156	250.0	489240.0	0.230163	Y
3	IC 410-468517/5	125.0	36.503886	250.0	535895.0	0.292031	Y
4	IC 410-468517/6	250.0	73.954059	250.0	518146.0	0.295816	Y
5	ICIS 410-468517/7	625.0	170.344804	250.0	532448.0	0.272552	Y
6	IC 410-468517/8	1250.0	446.861054	250.0	528139.0	0.357489	Y
7	IC 410-468517/9	3750.0	929.135297	250.0	525325.0	0.247769	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

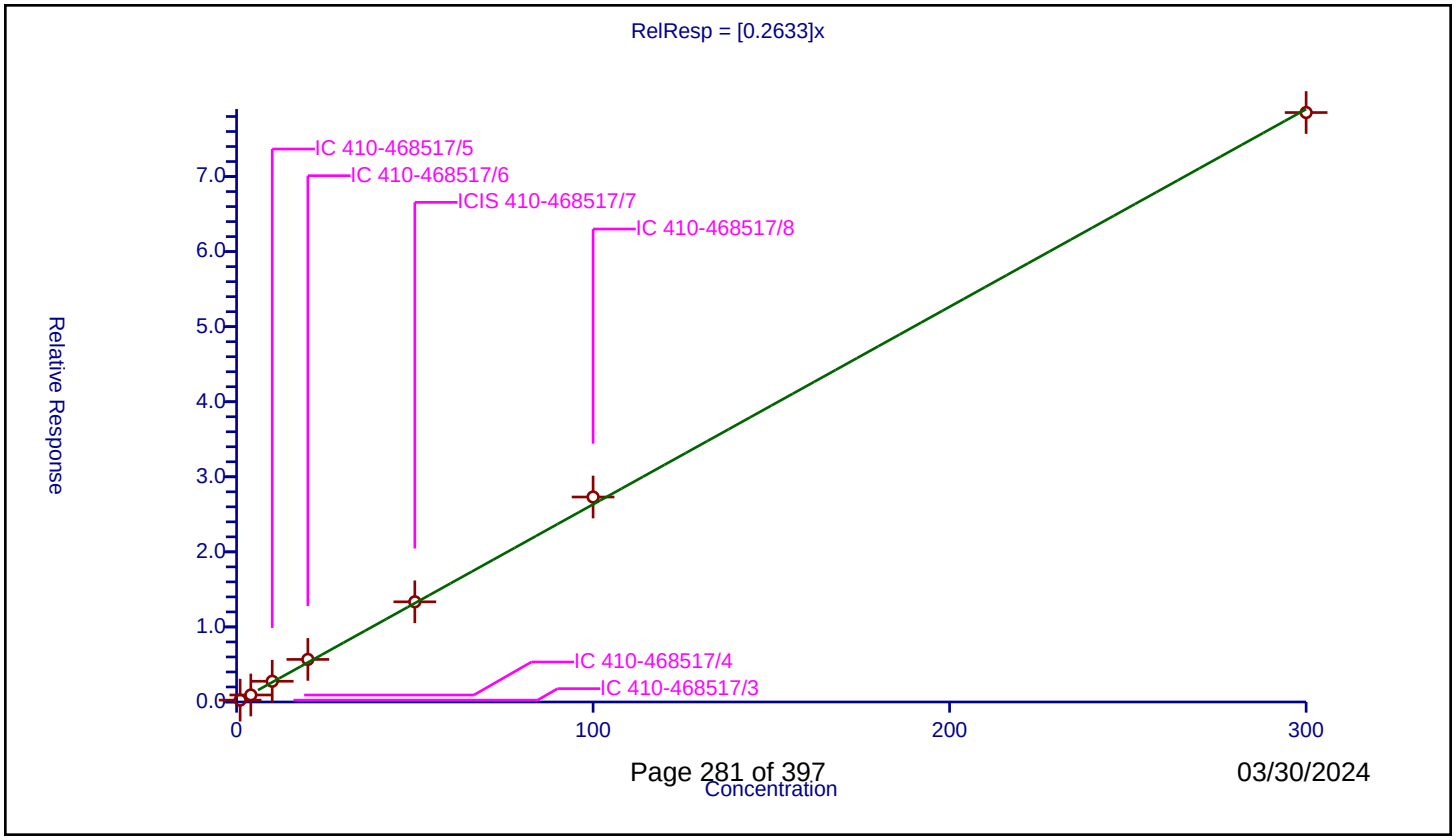
Curve Coefficients

Intercept:	0
Slope:	0.2633

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.247896	50.0	1273315.0	0.247896	Y
2	IC 410-468517/4	4.0	0.933496	50.0	1269154.0	0.233374	Y
3	IC 410-468517/5	10.0	2.762415	50.0	1213286.0	0.276242	Y
4	IC 410-468517/6	20.0	5.670997	50.0	1234580.0	0.28355	Y
5	ICIS 410-468517/7	50.0	13.345268	50.0	1250447.0	0.266905	Y
6	IC 410-468517/8	100.0	27.306707	50.0	1304381.0	0.273067	Y
7	IC 410-468517/9	300.0	78.532374	50.0	1276592.0	0.261775	Y



Calibration / Ethyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

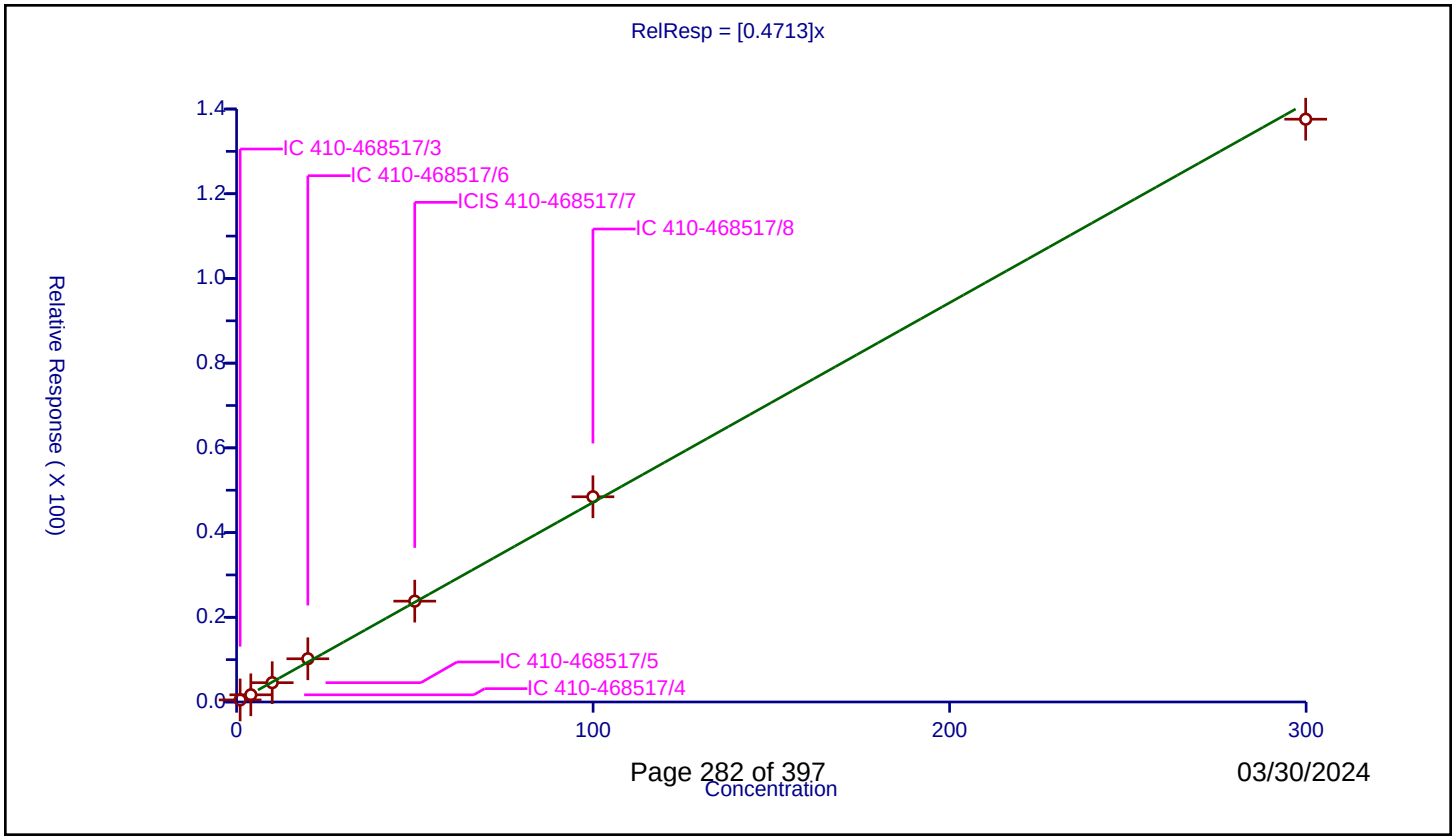
Curve Coefficients

Intercept:	0
Slope:	0.4713

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	0.999599	0.488175	50.0	1273315.0	0.488371	Y
2	IC 410-468517/4	3.998394	1.695106	50.0	1269154.0	0.423947	Y
3	IC 410-468517/5	9.995986	4.561826	50.0	1213286.0	0.456366	Y
4	IC 410-468517/6	19.991972	10.20432	50.0	1234580.0	0.510421	Y
5	ICIS 410-468517/7	49.97993	23.806567	50.0	1250447.0	0.476323	Y
6	IC 410-468517/8	99.95986	48.449763	50.0	1304381.0	0.484692	Y
7	IC 410-468517/9	299.87958	137.593099	50.0	1276592.0	0.458828	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

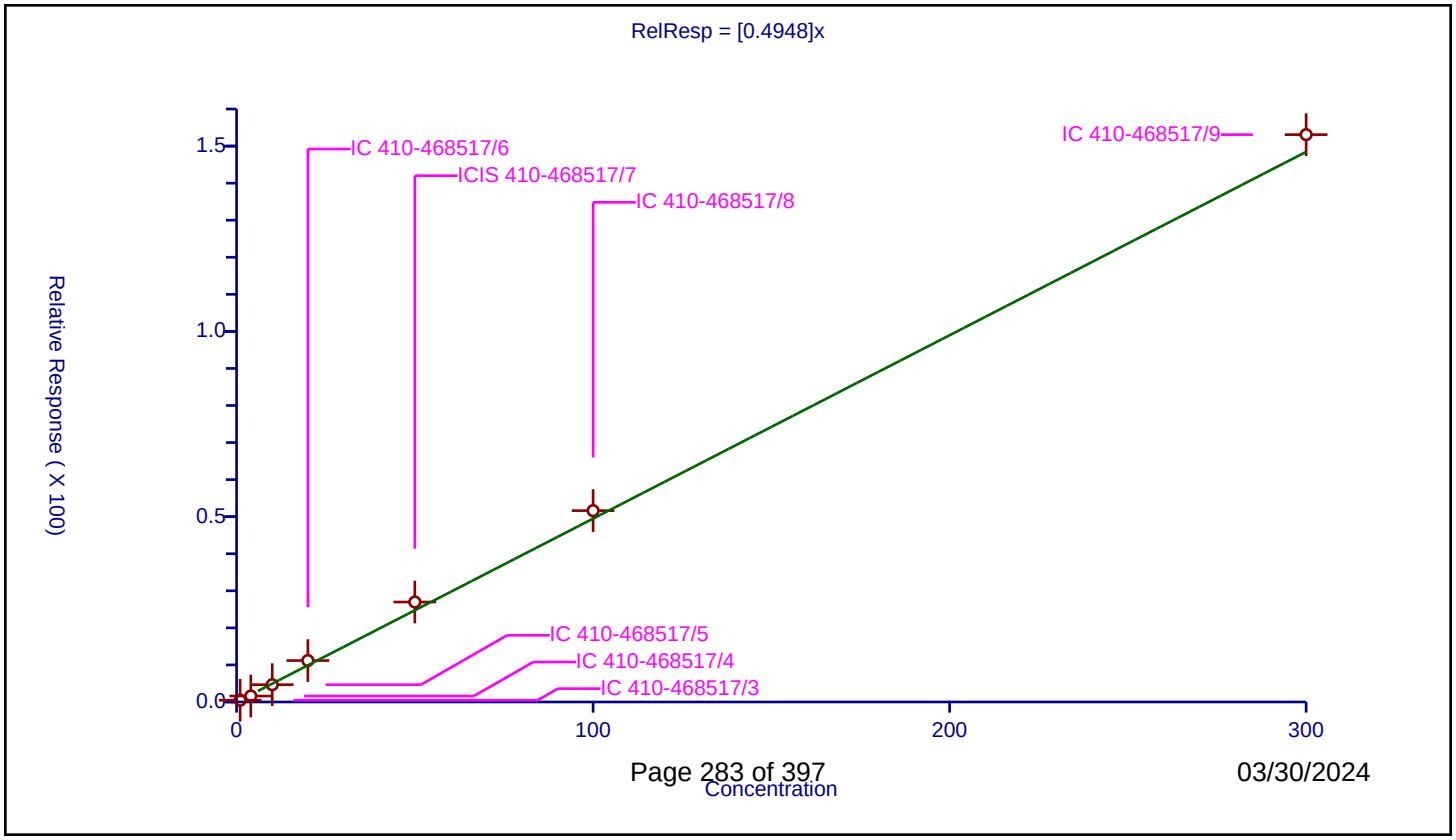
Curve Coefficients

Intercept:	0
Slope:	0.4948

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.470504	50.0	1273315.0	0.470504	Y
2	IC 410-468517/4	4.0	1.605361	50.0	1269154.0	0.40134	Y
3	IC 410-468517/5	10.0	4.665553	50.0	1213286.0	0.466555	Y
4	IC 410-468517/6	20.0	11.180482	50.0	1234580.0	0.559024	Y
5	ICIS 410-468517/7	50.0	26.972595	50.0	1250447.0	0.539452	Y
6	IC 410-468517/8	100.0	51.633533	50.0	1304381.0	0.516335	Y
7	IC 410-468517/9	300.0	153.086695	50.0	1276592.0	0.510289	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

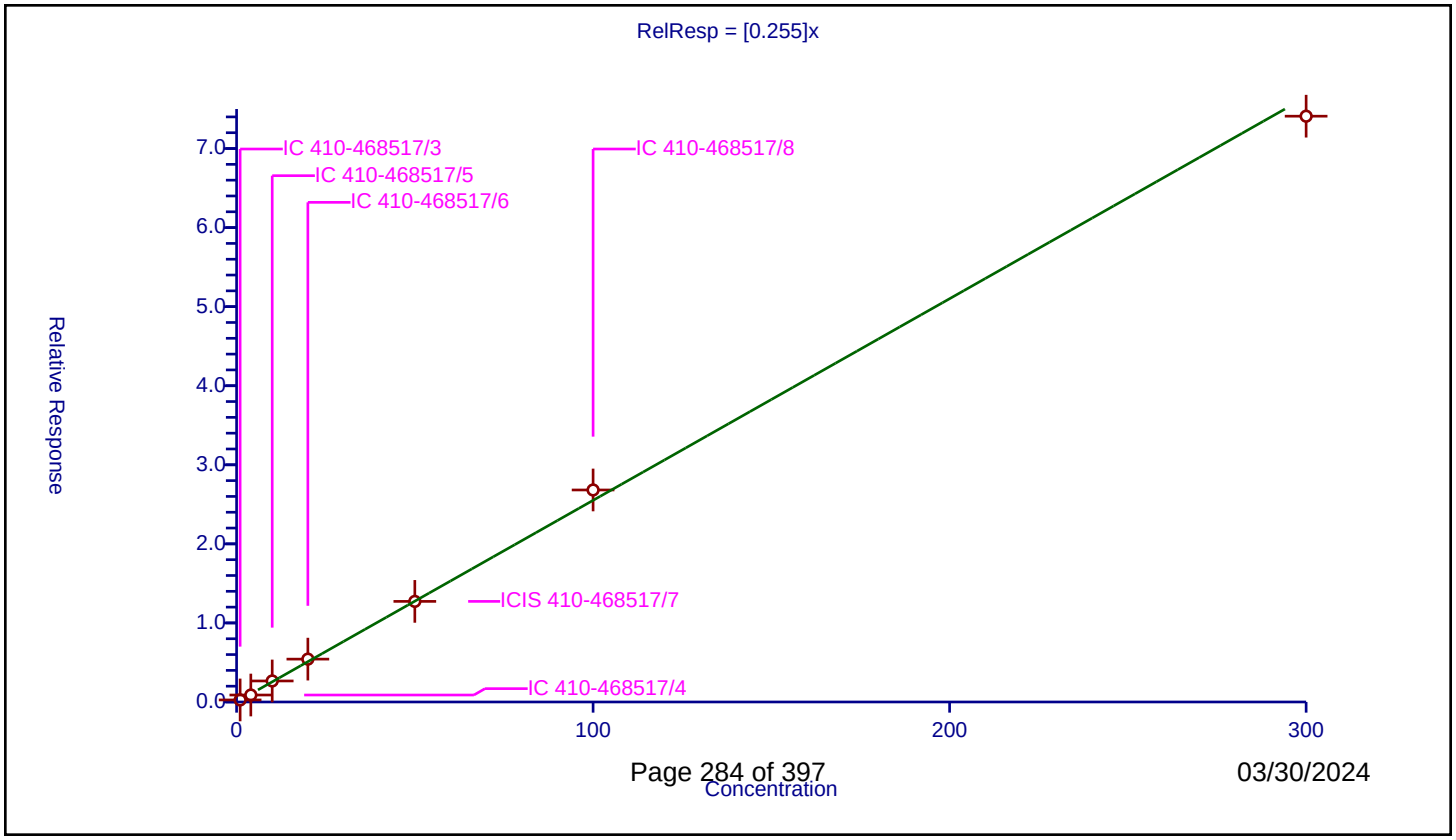
Curve Coefficients

Intercept:	0
Slope:	0.255

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.258184	50.0	1273315.0	0.258184	Y
2	IC 410-468517/4	4.0	0.881296	50.0	1269154.0	0.220324	Y
3	IC 410-468517/5	10.0	2.660296	50.0	1213286.0	0.26603	Y
4	IC 410-468517/6	20.0	5.422006	50.0	1234580.0	0.2711	Y
5	ICIS 410-468517/7	50.0	12.72433	50.0	1250447.0	0.254487	Y
6	IC 410-468517/8	100.0	26.814711	50.0	1304381.0	0.268147	Y
7	IC 410-468517/9	300.0	74.093407	50.0	1276592.0	0.246978	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

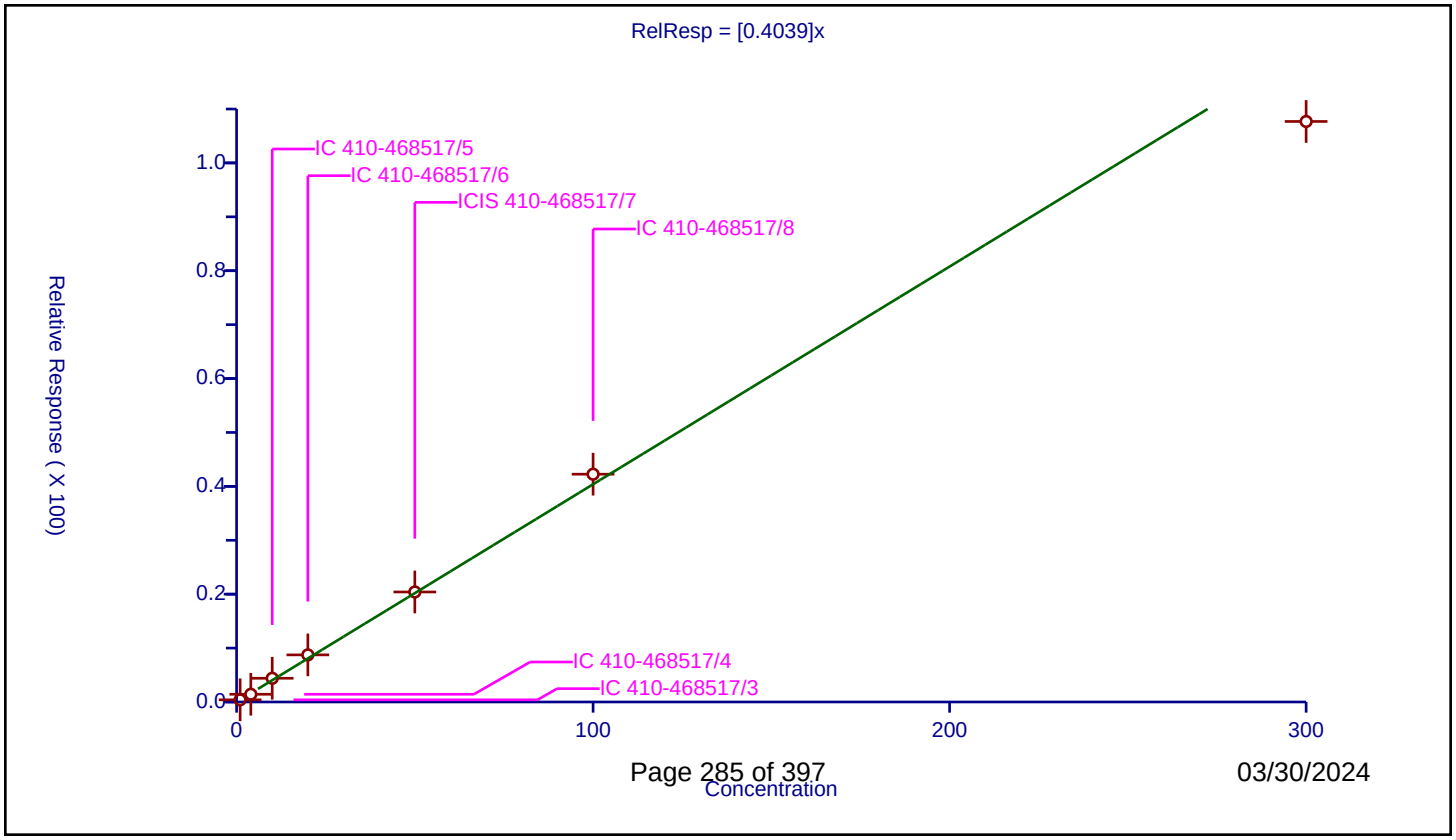
Curve Coefficients

Intercept:	0
Slope:	0.4039

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.401943	50.0	1273315.0	0.401943	Y
2	IC 410-468517/4	4.0	1.434026	50.0	1269154.0	0.358507	Y
3	IC 410-468517/5	10.0	4.40057	50.0	1213286.0	0.440057	Y
4	IC 410-468517/6	20.0	8.737384	50.0	1234580.0	0.436869	Y
5	ICIS 410-468517/7	50.0	20.407422	50.0	1250447.0	0.408148	Y
6	IC 410-468517/8	100.0	42.256864	50.0	1304381.0	0.422569	Y
7	IC 410-468517/9	300.0	107.688322	50.0	1276592.0	0.358961	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

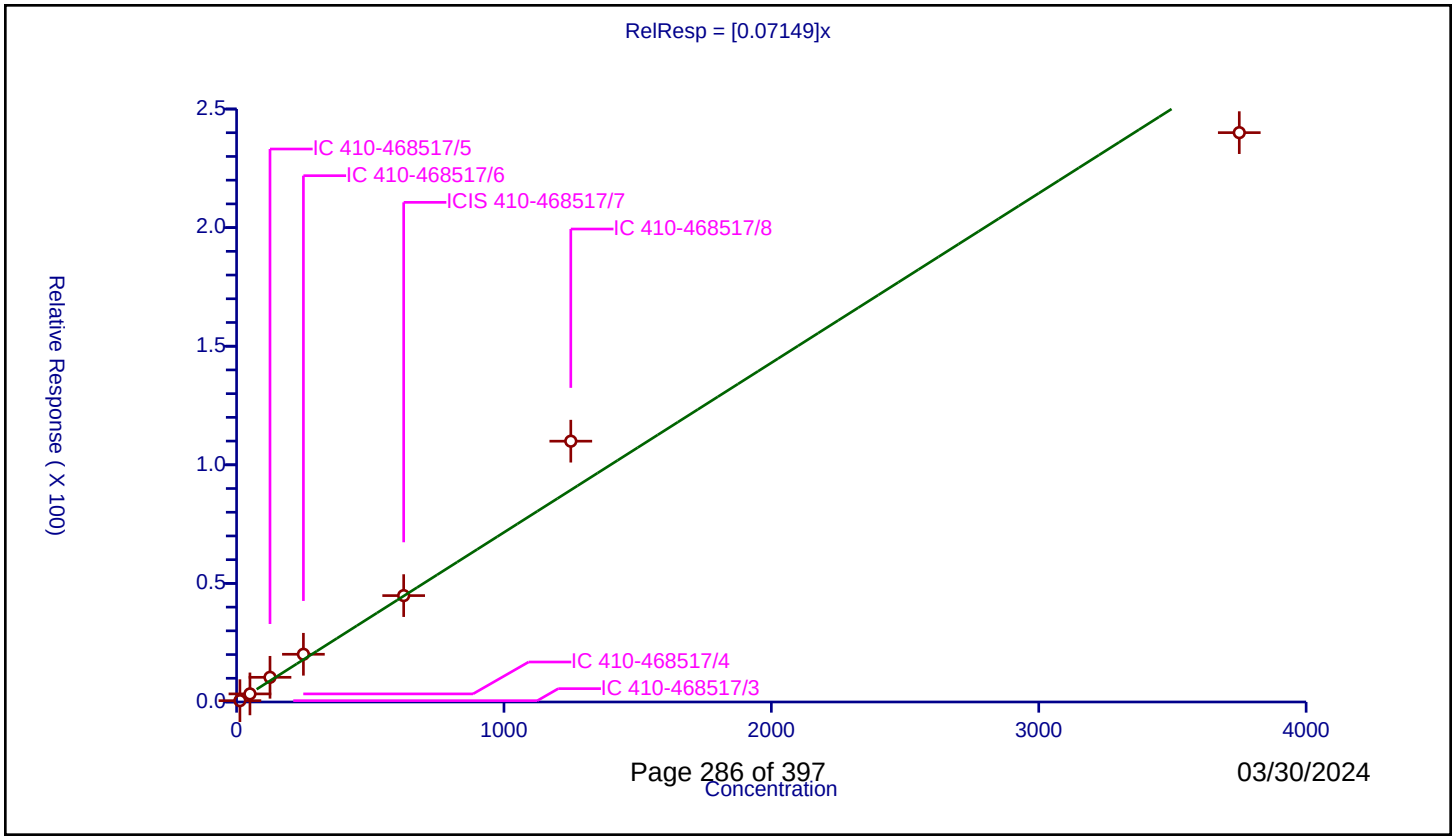
Curve Coefficients

Intercept:	0
Slope:	0.07149

Error Coefficients

Relative Standard Deviation:	20.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	12.5	0.558137	250.0	563482.0	0.044651	Y
2	IC 410-468517/4	50.0	3.414991	250.0	489240.0	0.0683	Y
3	IC 410-468517/5	125.0	10.410621	250.0	535895.0	0.083285	Y
4	IC 410-468517/6	250.0	20.120777	250.0	518146.0	0.080483	Y
5	ICIS 410-468517/7	625.0	44.850859	250.0	532448.0	0.071761	Y
6	IC 410-468517/8	1250.0	109.963002	250.0	528139.0	0.08797	Y
7	IC 410-468517/9	3750.0	240.036168	250.0	525325.0	0.06401	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

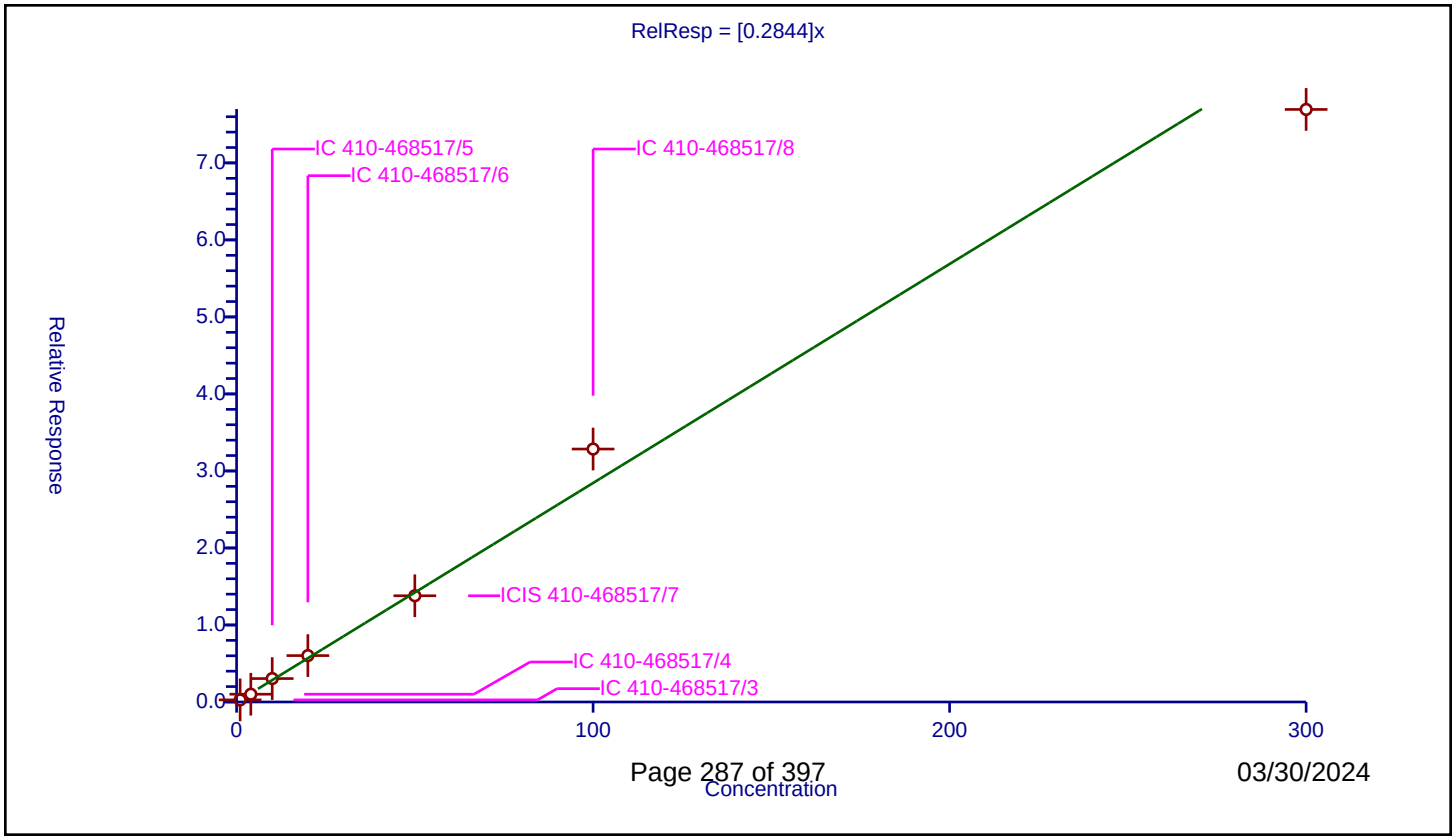
Curve Coefficients

Intercept:	0
Slope:	0.2844

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.272242	50.0	1273315.0	0.272242	Y
2	IC 410-468517/4	4.0	1.008428	50.0	1269154.0	0.252107	Y
3	IC 410-468517/5	10.0	3.042811	50.0	1213286.0	0.304281	Y
4	IC 410-468517/6	20.0	6.022777	50.0	1234580.0	0.301139	Y
5	ICIS 410-468517/7	50.0	13.795547	50.0	1250447.0	0.275911	Y
6	IC 410-468517/8	100.0	32.844813	50.0	1304381.0	0.328448	Y
7	IC 410-468517/9	300.0	76.943887	50.0	1276592.0	0.25648	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

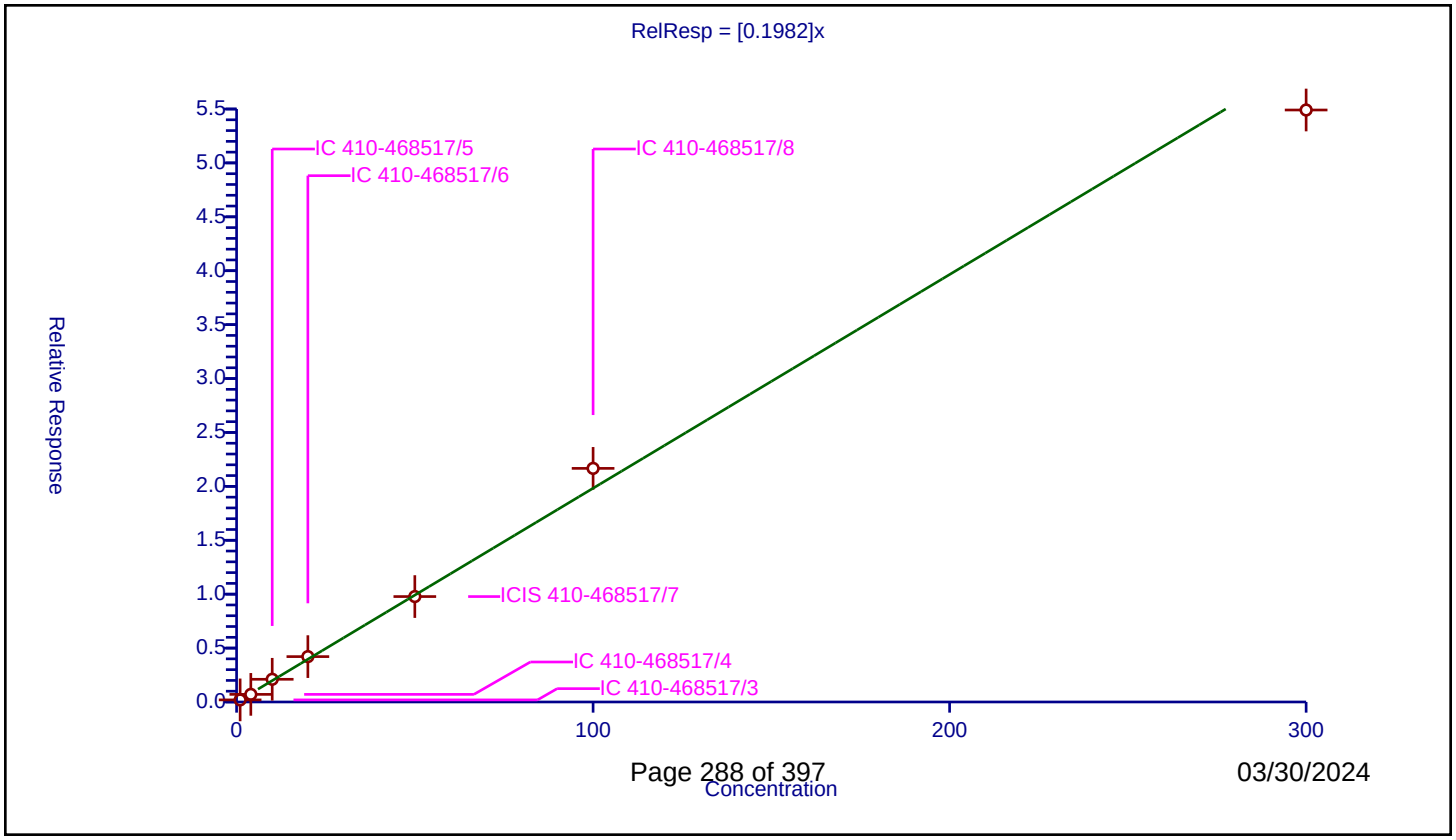
Curve Coefficients

Intercept:	0
Slope:	0.1982

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.194414	50.0	1273315.0	0.194414	Y
2	IC 410-468517/4	4.0	0.707006	50.0	1269154.0	0.176752	Y
3	IC 410-468517/5	10.0	2.107294	50.0	1213286.0	0.210729	Y
4	IC 410-468517/6	20.0	4.209488	50.0	1234580.0	0.210474	Y
5	ICIS 410-468517/7	50.0	9.778943	50.0	1250447.0	0.195579	Y
6	IC 410-468517/8	100.0	21.668171	50.0	1304381.0	0.216682	Y
7	IC 410-468517/9	300.0	54.909439	50.0	1276592.0	0.183031	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

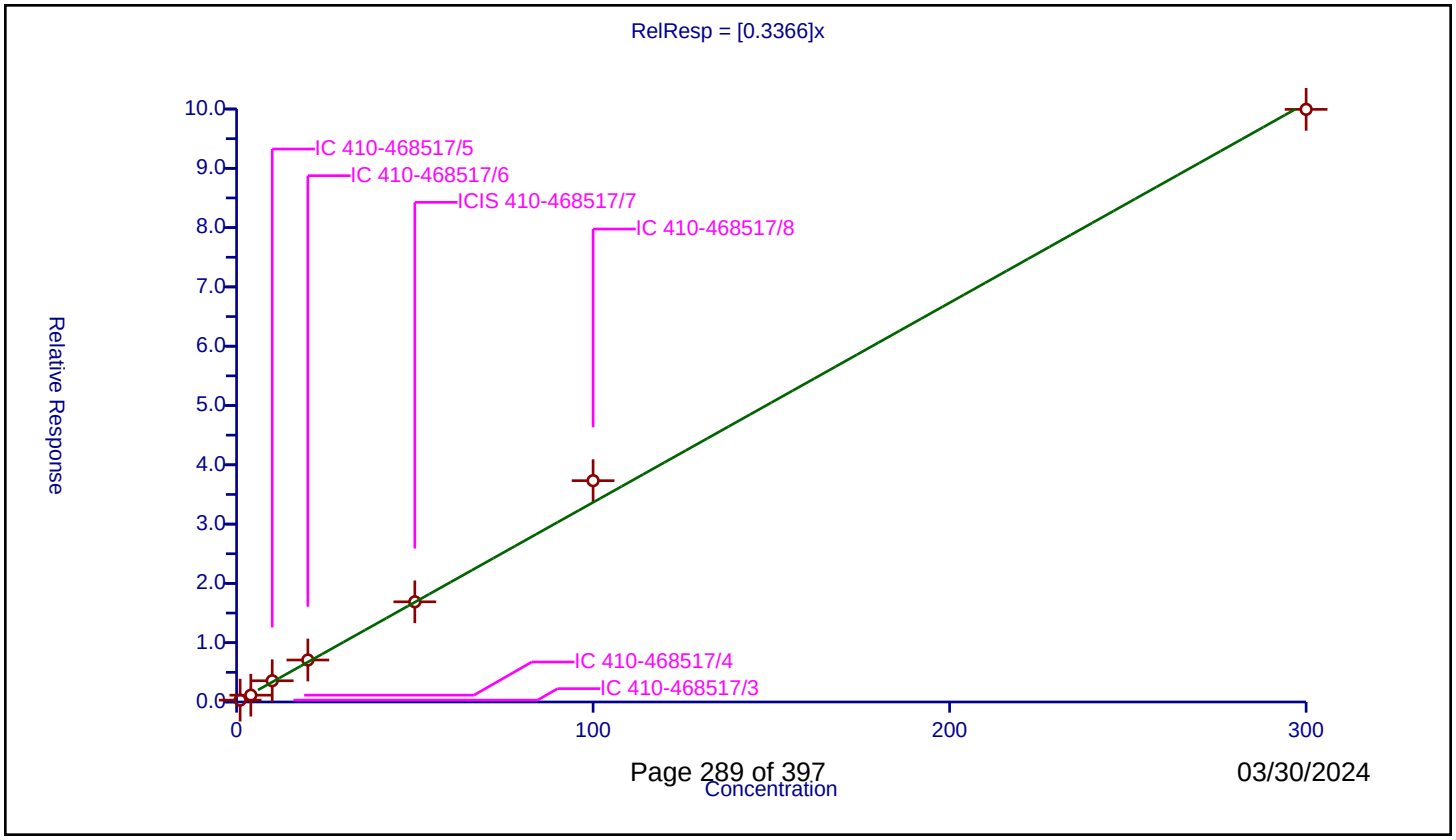
Curve Coefficients

Intercept:	0
Slope:	0.3366

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.312806	50.0	1273315.0	0.312806	Y
2	IC 410-468517/4	4.0	1.147733	50.0	1269154.0	0.286933	Y
3	IC 410-468517/5	10.0	3.581925	50.0	1213286.0	0.358193	Y
4	IC 410-468517/6	20.0	7.081275	50.0	1234580.0	0.354064	Y
5	ICIS 410-468517/7	50.0	16.894678	50.0	1250447.0	0.337894	Y
6	IC 410-468517/8	100.0	37.324831	50.0	1304381.0	0.373248	Y
7	IC 410-468517/9	300.0	99.942072	50.0	1276592.0	0.33314	Y



Calibration / 2-Nitropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

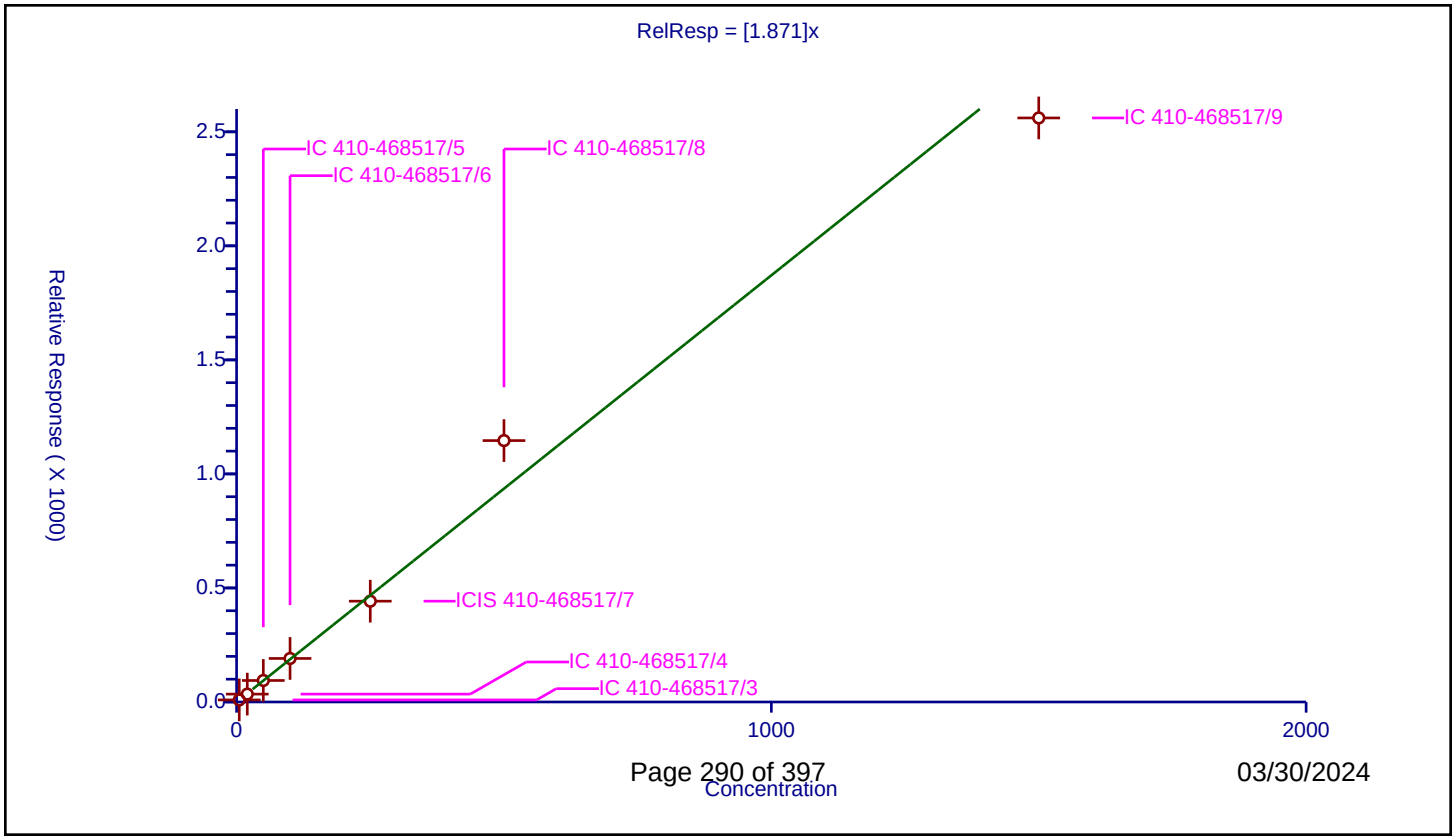
Curve Coefficients

Intercept:	0
Slope:	1.871

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	5.0	9.016703	250.0	563482.0	1.803341	Y
2	IC 410-468517/4	20.0	34.592429	250.0	489240.0	1.729621	Y
3	IC 410-468517/5	50.0	94.293192	250.0	535895.0	1.885864	Y
4	IC 410-468517/6	100.0	190.87429	250.0	518146.0	1.908743	Y
5	ICIS 410-468517/7	250.0	441.99011	250.0	532448.0	1.76796	Y
6	IC 410-468517/8	500.0	1146.18216	250.0	528139.0	2.292364	Y
7	IC 410-468517/9	1500.0	2560.844239	250.0	525325.0	1.707229	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

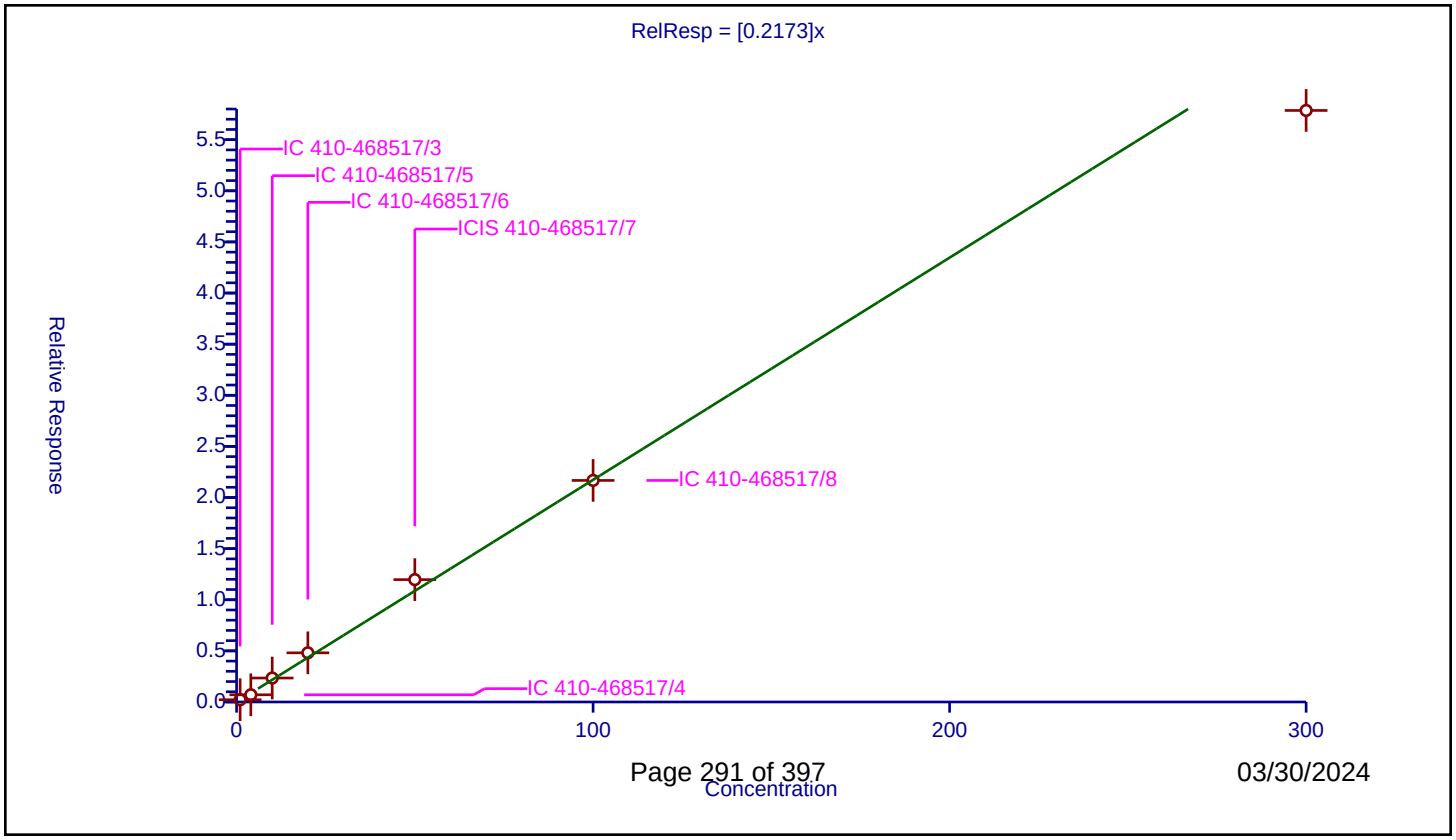
Curve Coefficients

Intercept:	0
Slope:	0.2173

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.221037	50.0	1273315.0	0.221037	Y
2	IC 410-468517/4	4.0	0.705234	50.0	1269154.0	0.176308	Y
3	IC 410-468517/5	10.0	2.344707	50.0	1213286.0	0.234471	Y
4	IC 410-468517/6	20.0	4.80791	50.0	1234580.0	0.240396	Y
5	ICIS 410-468517/7	50.0	11.96884	50.0	1250447.0	0.239377	Y
6	IC 410-468517/8	100.0	21.670011	50.0	1304381.0	0.2167	Y
7	IC 410-468517/9	300.0	57.85858	50.0	1276592.0	0.192862	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

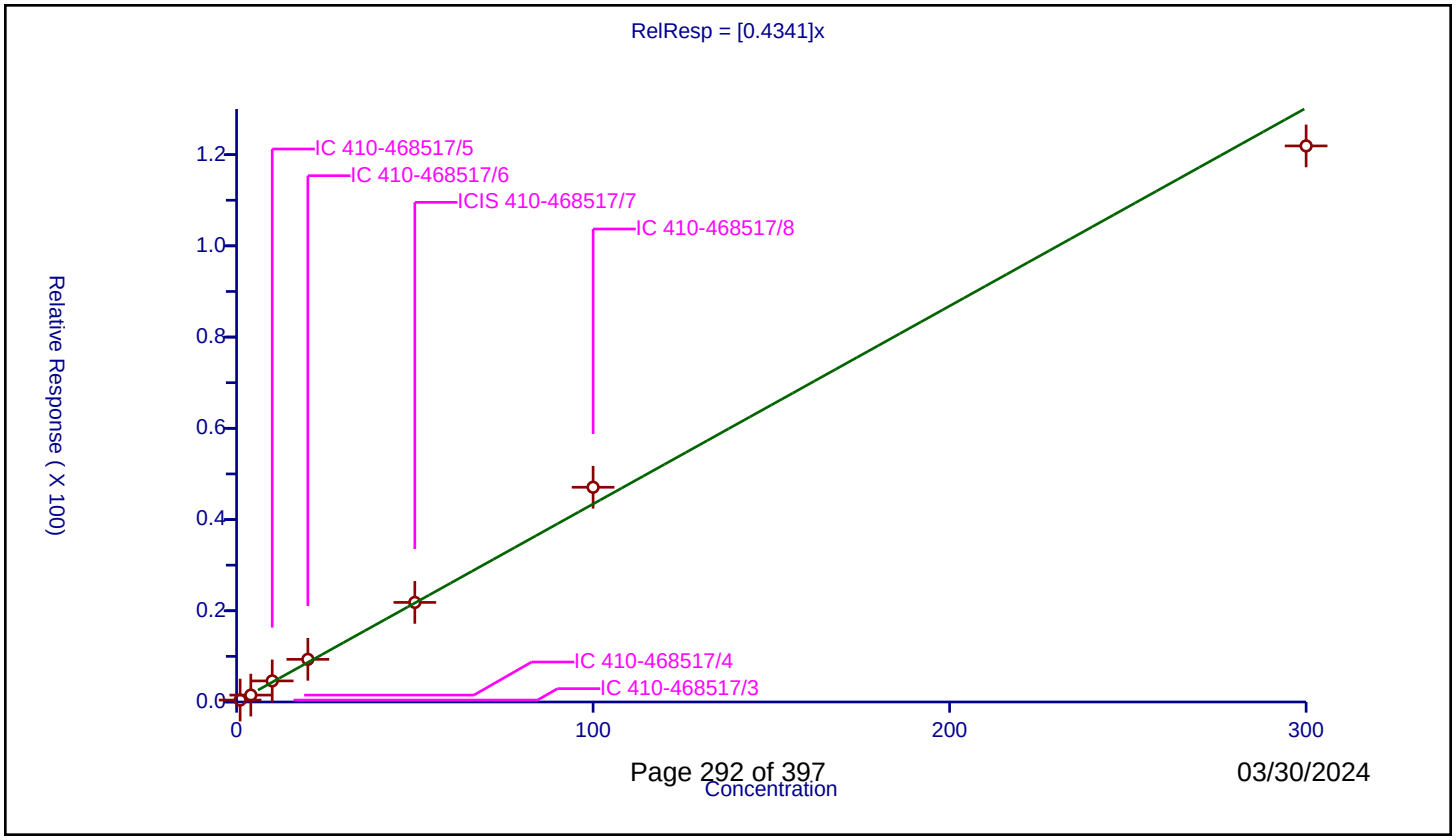
Curve Coefficients

Intercept:	0
Slope:	0.4341

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.417768	50.0	1273315.0	0.417768	Y
2	IC 410-468517/4	4.0	1.509116	50.0	1269154.0	0.377279	Y
3	IC 410-468517/5	10.0	4.623065	50.0	1213286.0	0.462306	Y
4	IC 410-468517/6	20.0	9.349455	50.0	1234580.0	0.467473	Y
5	ICIS 410-468517/7	50.0	21.831633	50.0	1250447.0	0.436633	Y
6	IC 410-468517/8	100.0	47.074628	50.0	1304381.0	0.470746	Y
7	IC 410-468517/9	300.0	121.910407	50.0	1276592.0	0.406368	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

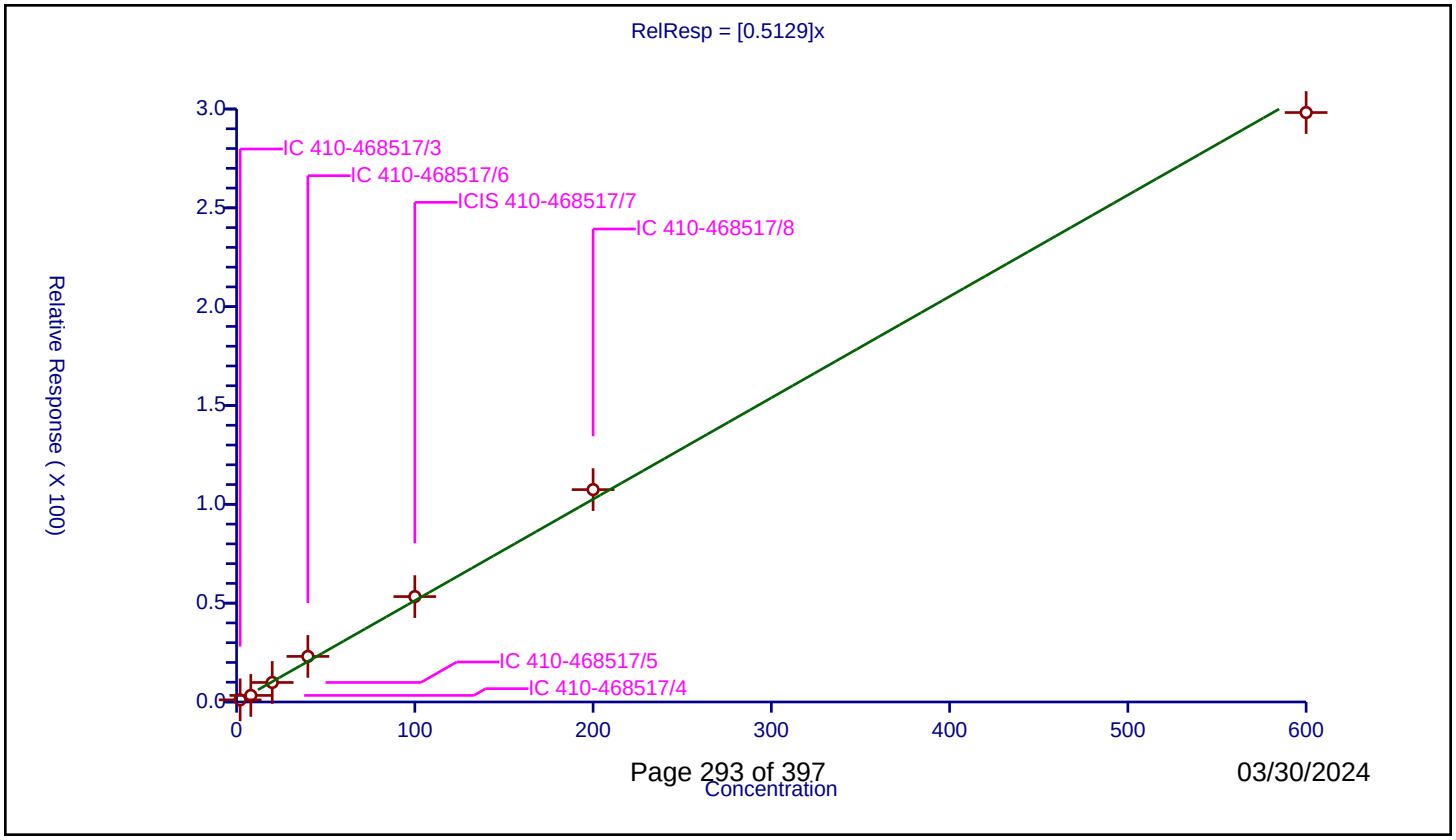
Curve Coefficients

Intercept:	0
Slope:	0.5129

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	2.0	1.073183	50.0	1273315.0	0.536591	Y
2	IC 410-468517/4	8.0	3.32891	50.0	1269154.0	0.416114	Y
3	IC 410-468517/5	20.0	9.879863	50.0	1213286.0	0.493993	Y
4	IC 410-468517/6	40.0	23.057437	50.0	1234580.0	0.576436	Y
5	ICIS 410-468517/7	100.0	53.325291	50.0	1250447.0	0.533253	Y
6	IC 410-468517/8	200.0	107.432874	50.0	1304381.0	0.537164	Y
7	IC 410-468517/9	600.0	298.223669	50.0	1276592.0	0.497039	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

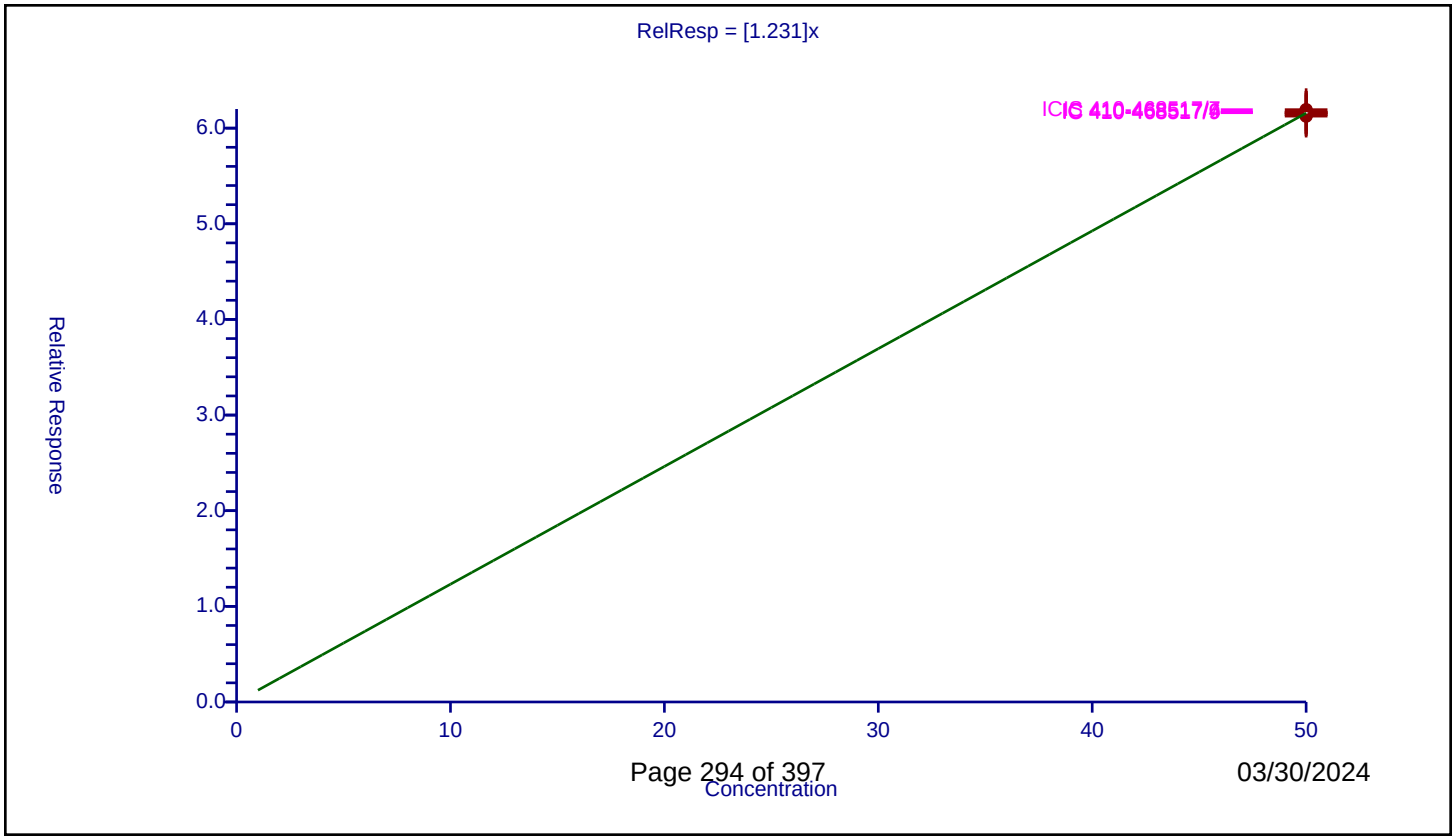
Curve Coefficients

Intercept:	0
Slope:	1.231

Error Coefficients

Relative Standard Deviation:	0.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	50.0	61.398905	50.0	1051601.0	1.227978	Y
2	IC 410-468517/4	50.0	61.654072	50.0	1046617.0	1.233081	Y
3	IC 410-468517/5	50.0	61.458804	50.0	1009608.0	1.229176	Y
4	IC 410-468517/6	50.0	61.673269	50.0	1025591.0	1.233465	Y
5	ICIS 410-468517/7	50.0	61.933393	50.0	1020041.0	1.238668	Y
6	IC 410-468517/8	50.0	61.254928	50.0	1061033.0	1.225099	Y
7	IC 410-468517/9	50.0	61.612679	50.0	1002103.0	1.232254	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

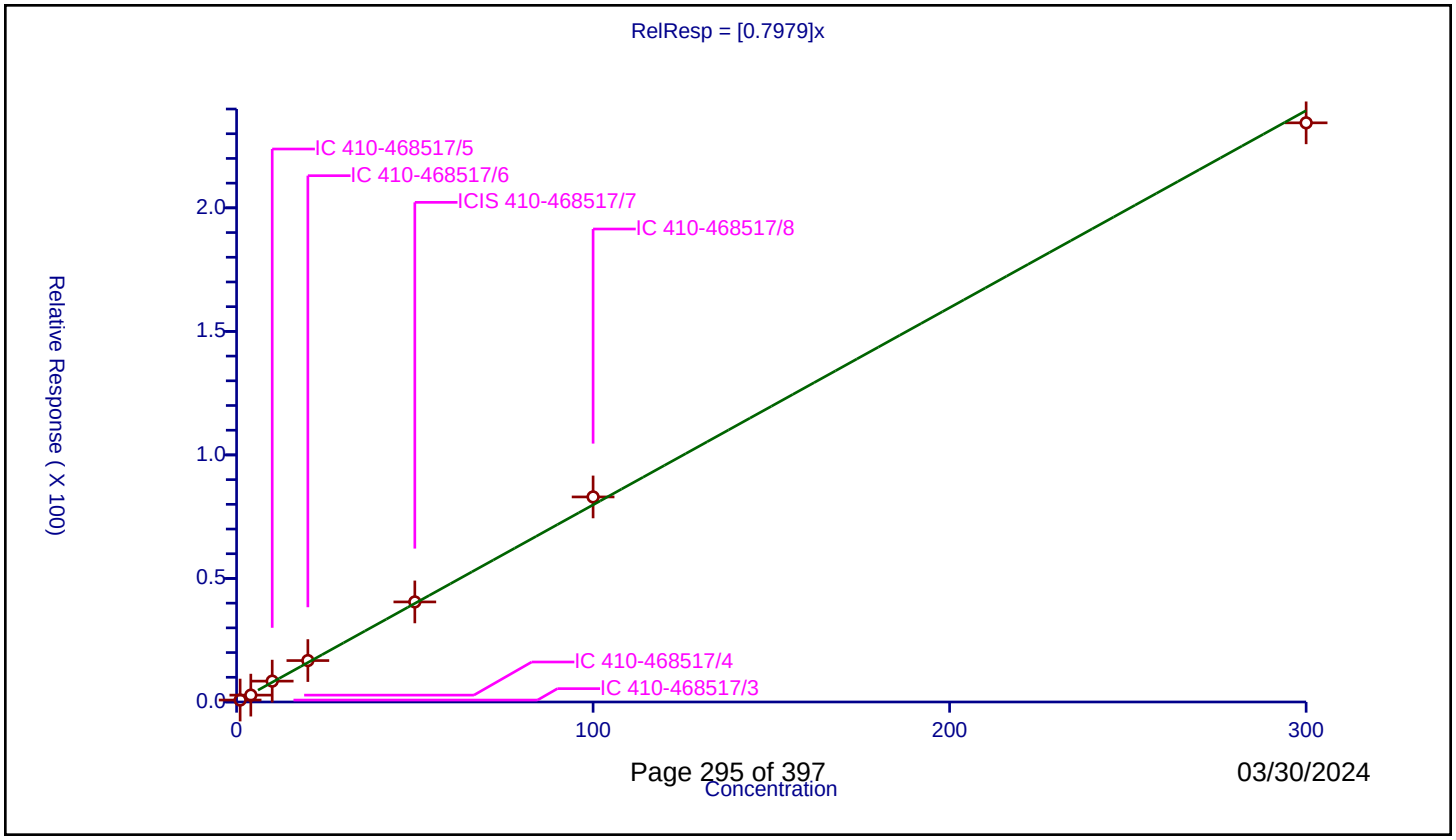
Curve Coefficients

Intercept:	0
Slope:	0.7979

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.787514	50.0	1051601.0	0.787514	Y
2	IC 410-468517/4	4.0	2.774367	50.0	1046617.0	0.693592	Y
3	IC 410-468517/5	10.0	8.442534	50.0	1009608.0	0.844253	Y
4	IC 410-468517/6	20.0	16.77072	50.0	1025591.0	0.838536	Y
5	ICIS 410-468517/7	50.0	40.505186	50.0	1020041.0	0.810104	Y
6	IC 410-468517/8	100.0	82.988936	50.0	1061033.0	0.829889	Y
7	IC 410-468517/9	300.0	234.405146	50.0	1002103.0	0.78135	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

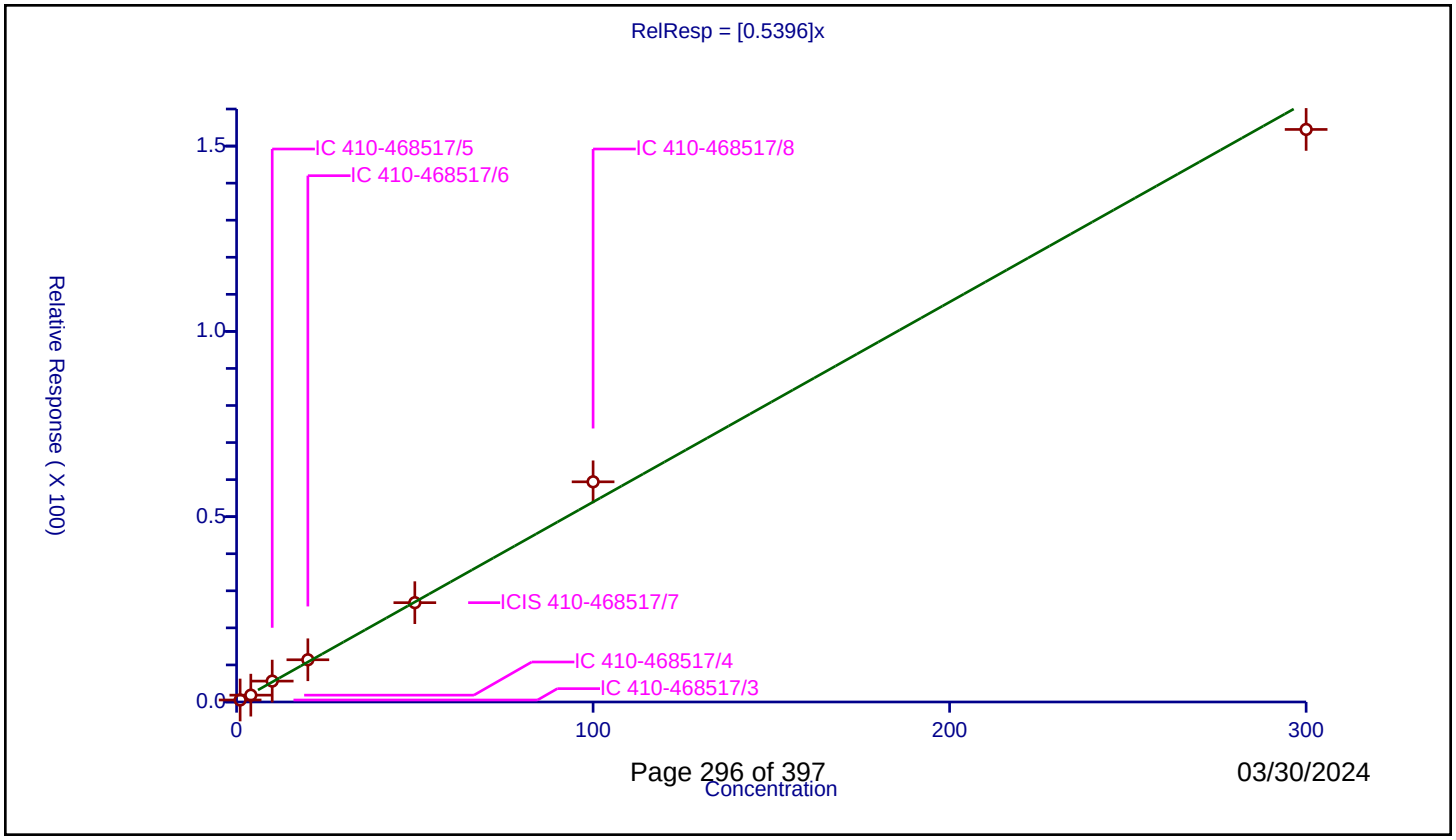
Curve Coefficients

Intercept:	0
Slope:	0.5396

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.537181	50.0	1051601.0	0.537181	Y
2	IC 410-468517/4	4.0	1.8459	50.0	1046617.0	0.461475	Y
3	IC 410-468517/5	10.0	5.63907	50.0	1009608.0	0.563907	Y
4	IC 410-468517/6	20.0	11.392504	50.0	1025591.0	0.569625	Y
5	ICIS 410-468517/7	50.0	26.797795	50.0	1020041.0	0.535956	Y
6	IC 410-468517/8	100.0	59.407436	50.0	1061033.0	0.594074	Y
7	IC 410-468517/9	300.0	154.487064	50.0	1002103.0	0.514957	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

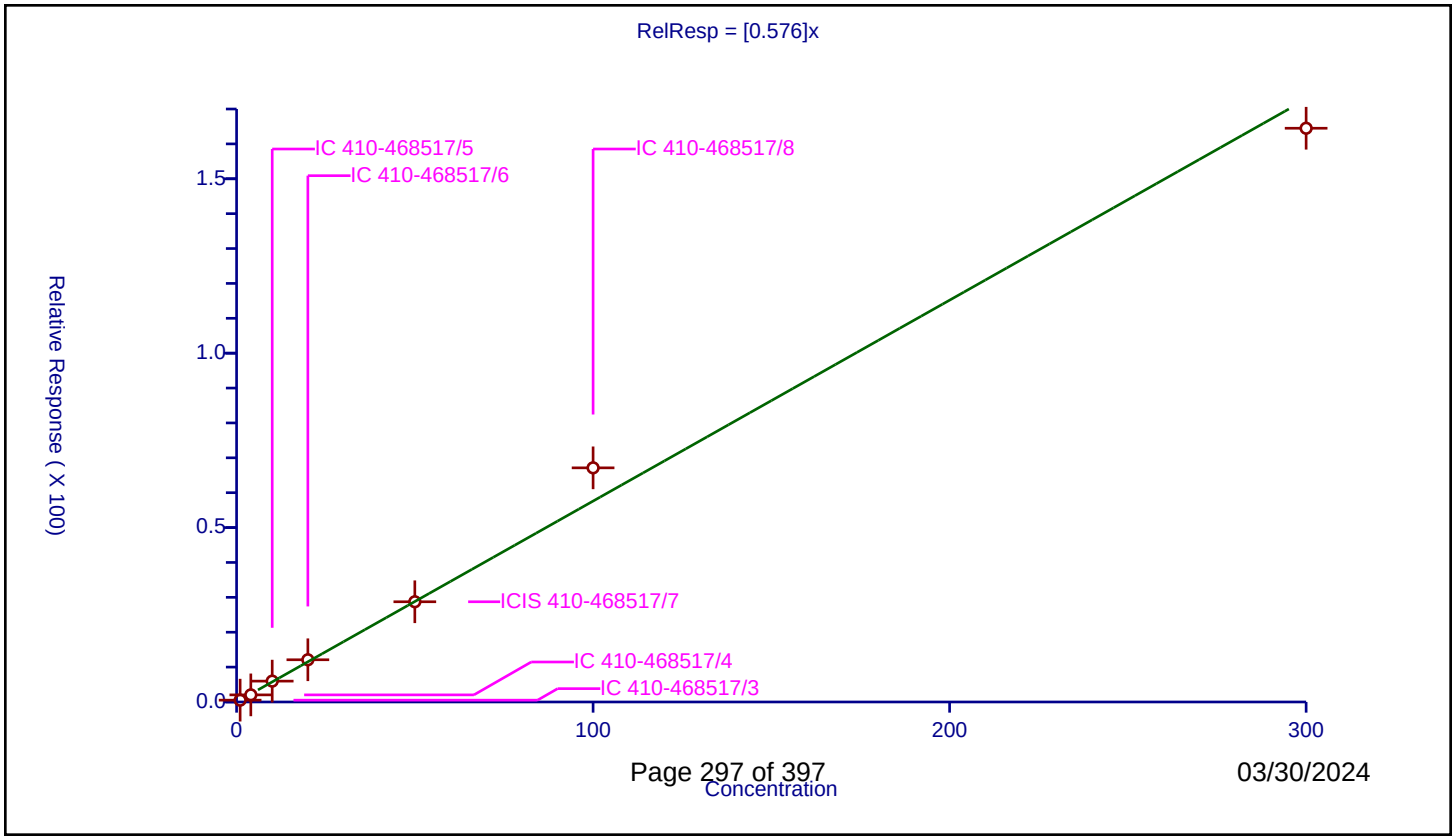
Curve Coefficients

Intercept:	0
Slope:	0.576

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.524058	50.0	1051601.0	0.524058	Y
2	IC 410-468517/4	4.0	2.04067	50.0	1046617.0	0.510168	Y
3	IC 410-468517/5	10.0	5.980638	50.0	1009608.0	0.598064	Y
4	IC 410-468517/6	20.0	12.103655	50.0	1025591.0	0.605183	Y
5	ICIS 410-468517/7	50.0	28.736884	50.0	1020041.0	0.574738	Y
6	IC 410-468517/8	100.0	67.13024	50.0	1061033.0	0.671302	Y
7	IC 410-468517/9	300.0	164.486585	50.0	1002103.0	0.548289	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

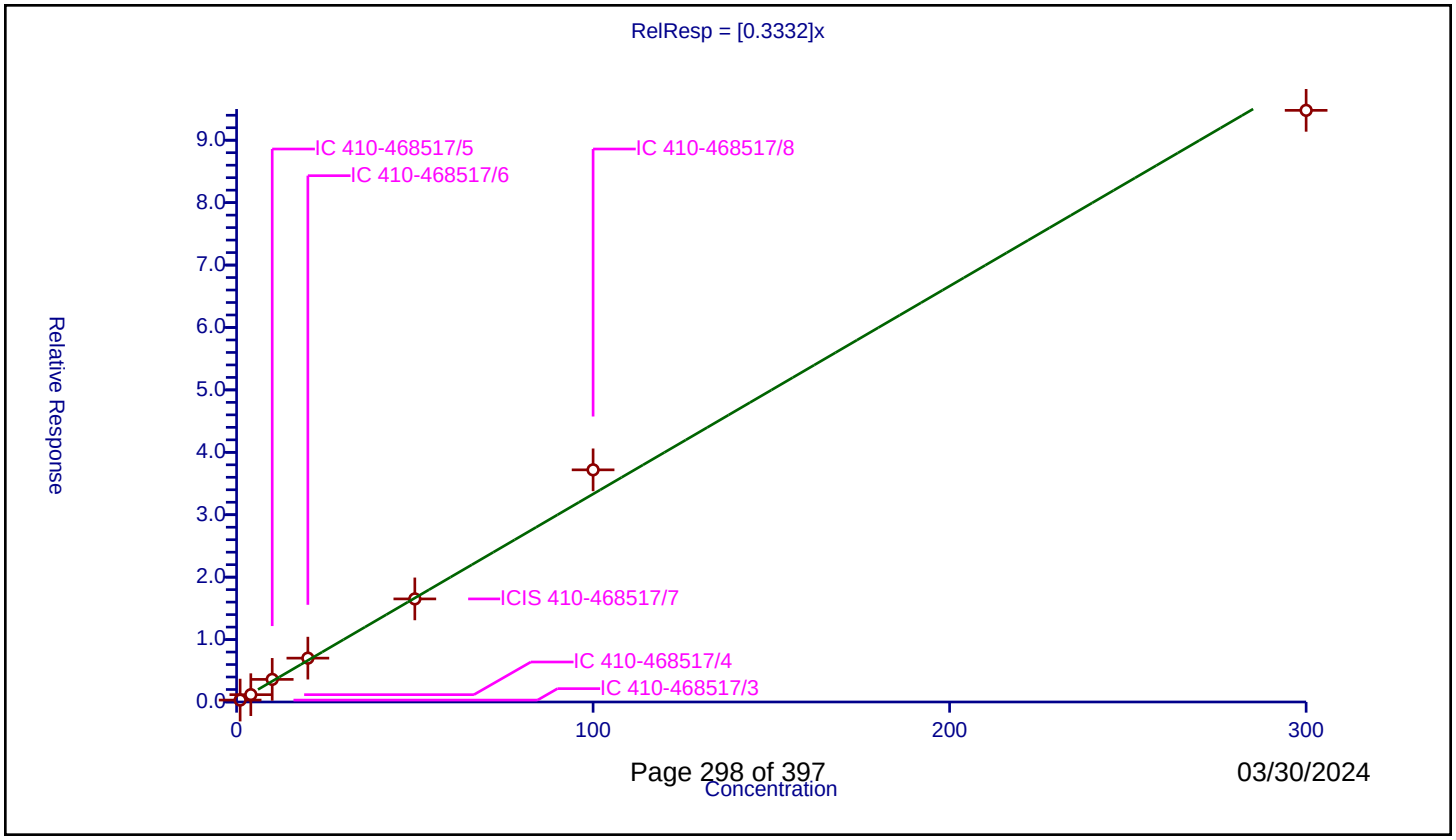
Curve Coefficients

Intercept:	0
Slope:	0.3332

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.307198	50.0	1051601.0	0.307198	Y
2	IC 410-468517/4	4.0	1.173447	50.0	1046617.0	0.293362	Y
3	IC 410-468517/5	10.0	3.622099	50.0	1009608.0	0.36221	Y
4	IC 410-468517/6	20.0	7.024048	50.0	1025591.0	0.351202	Y
5	ICIS 410-468517/7	50.0	16.516199	50.0	1020041.0	0.330324	Y
6	IC 410-468517/8	100.0	37.191492	50.0	1061033.0	0.371915	Y
7	IC 410-468517/9	300.0	94.786564	50.0	1002103.0	0.315955	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

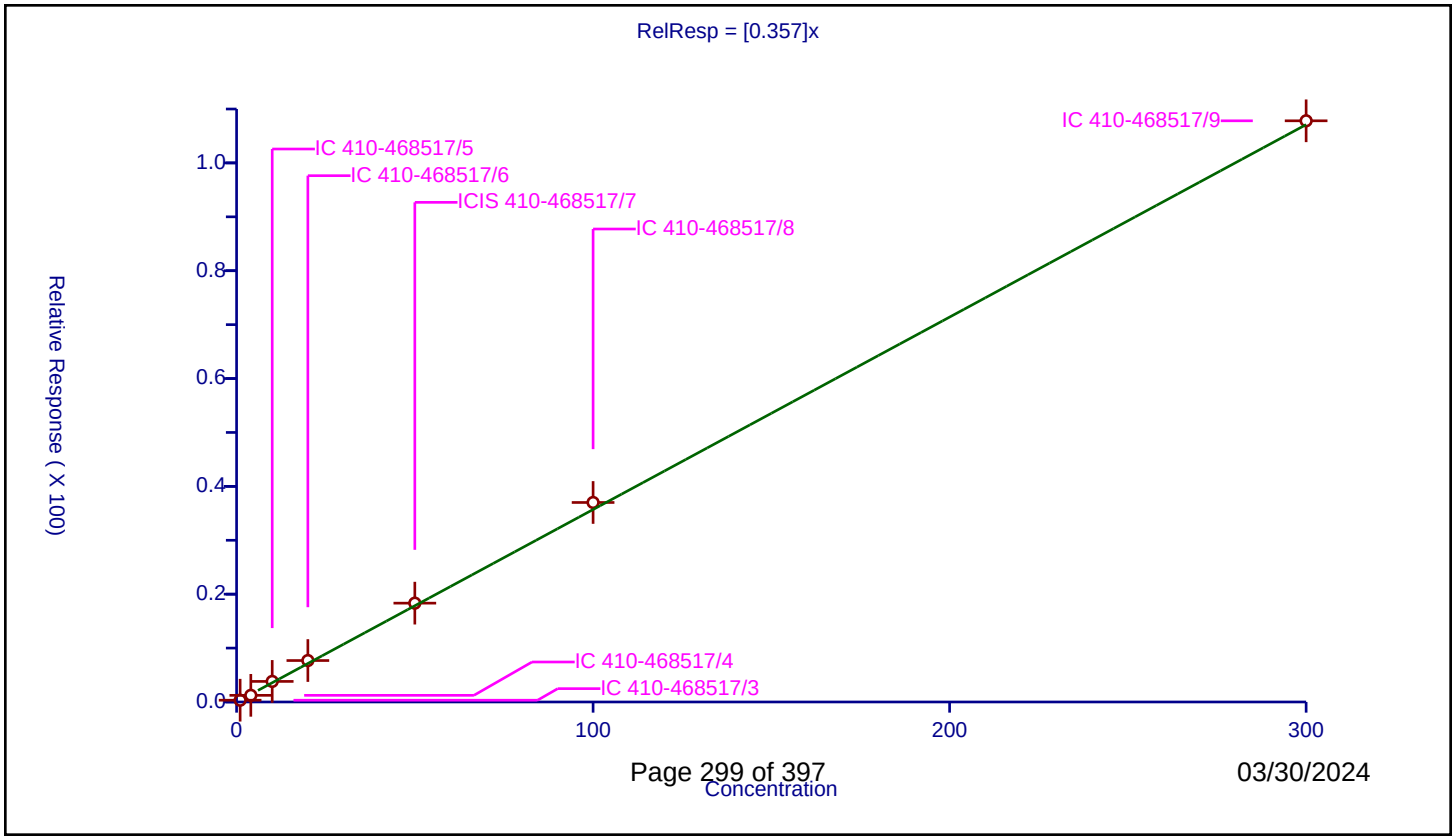
Curve Coefficients

Intercept:	0
Slope:	0.357

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.327881	50.0	1051601.0	0.327881	Y
2	IC 410-468517/4	4.0	1.23474	50.0	1046617.0	0.308685	Y
3	IC 410-468517/5	10.0	3.817323	50.0	1009608.0	0.381732	Y
4	IC 410-468517/6	20.0	7.69215	50.0	1025591.0	0.384608	Y
5	ICIS 410-468517/7	50.0	18.337106	50.0	1020041.0	0.366742	Y
6	IC 410-468517/8	100.0	37.010536	50.0	1061033.0	0.370105	Y
7	IC 410-468517/9	300.0	107.813319	50.0	1002103.0	0.359378	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

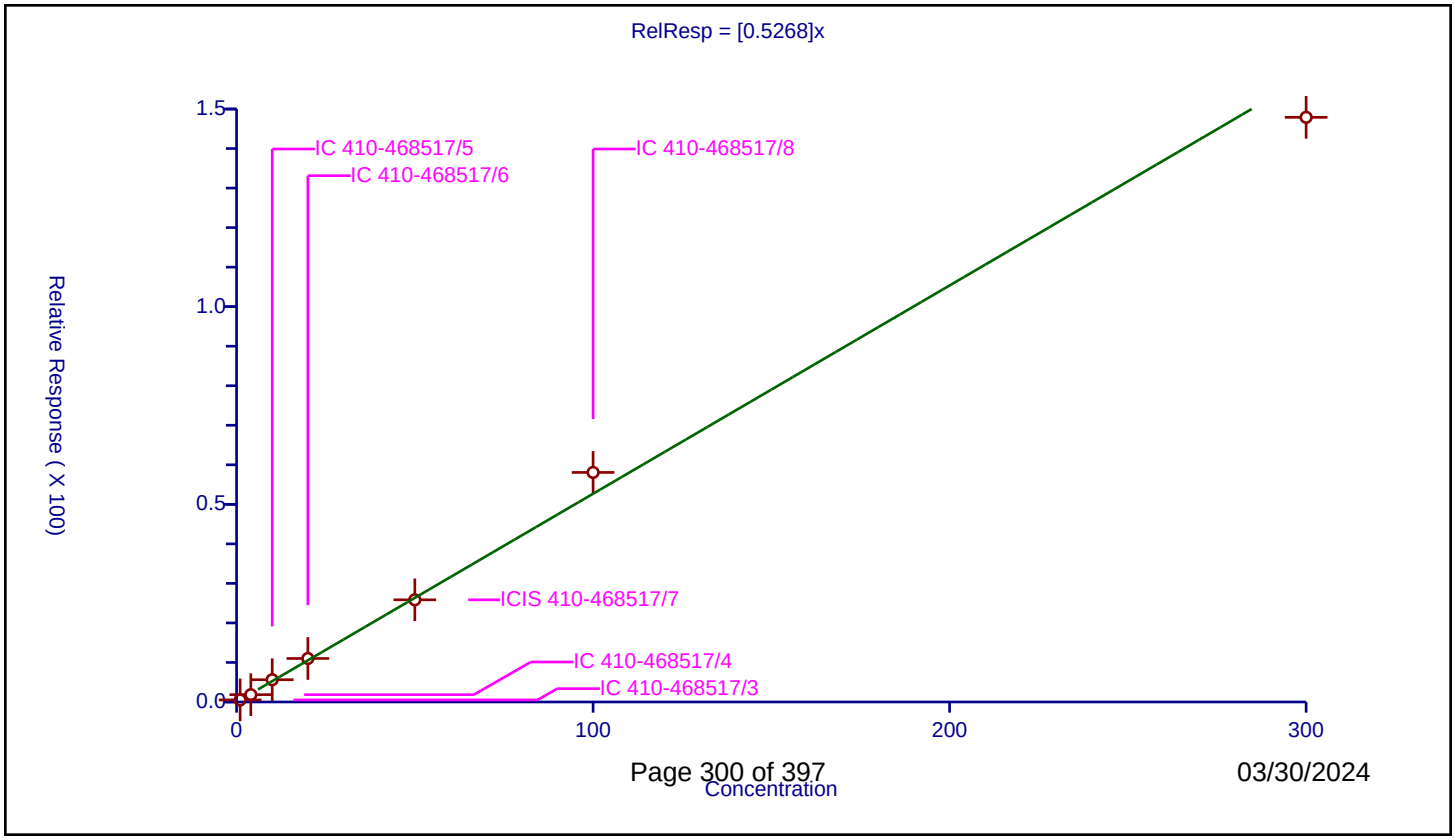
Curve Coefficients

Intercept:	0
Slope:	0.5268

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.520635	50.0	1051601.0	0.520635	Y
2	IC 410-468517/4	4.0	1.851394	50.0	1046617.0	0.462848	Y
3	IC 410-468517/5	10.0	5.632335	50.0	1009608.0	0.563233	Y
4	IC 410-468517/6	20.0	11.005752	50.0	1025591.0	0.550288	Y
5	ICIS 410-468517/7	50.0	25.84901	50.0	1020041.0	0.51698	Y
6	IC 410-468517/8	100.0	58.071285	50.0	1061033.0	0.580713	Y
7	IC 410-468517/9	300.0	147.893879	50.0	1002103.0	0.49298	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

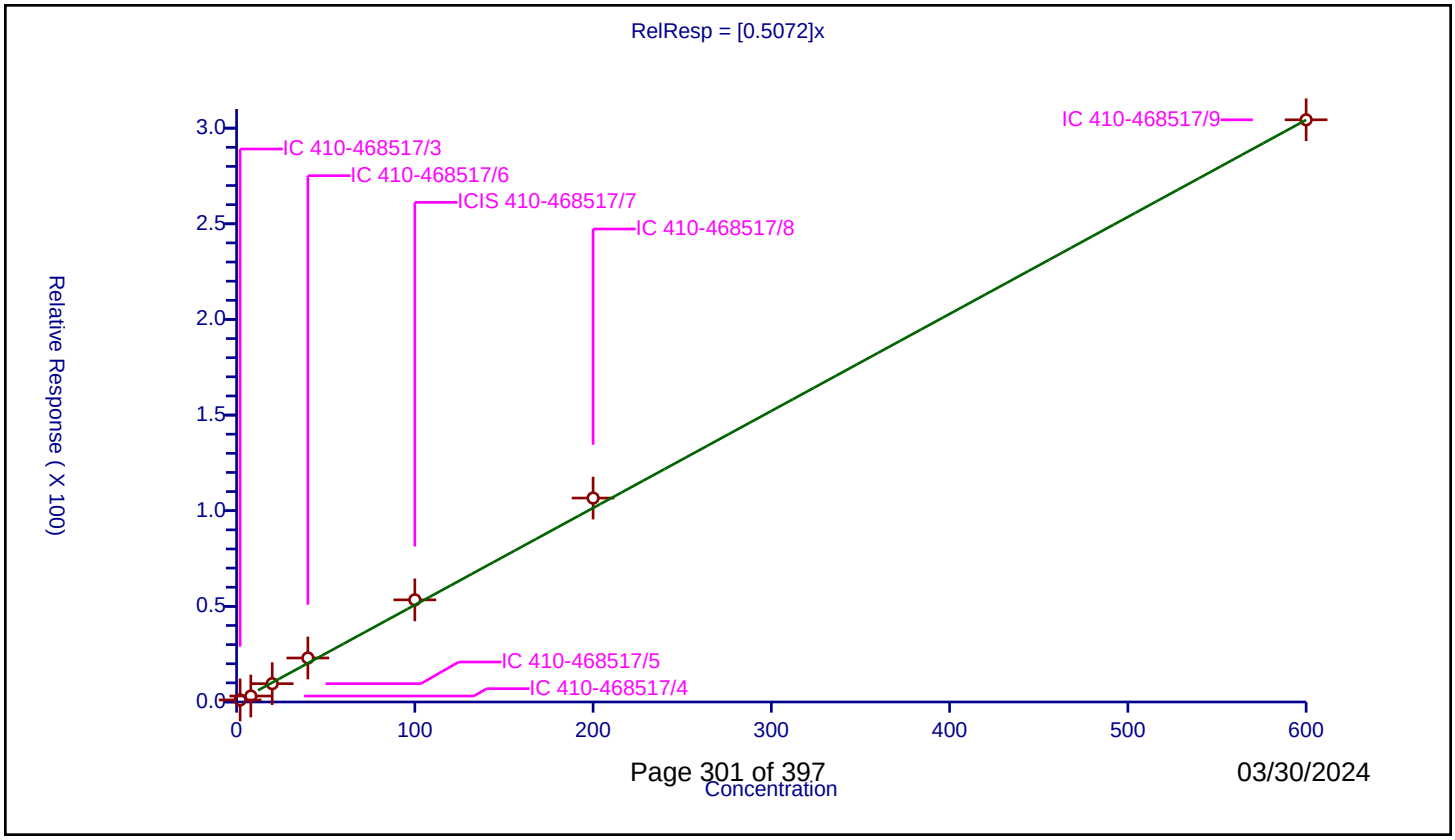
Curve Coefficients

Intercept:	0
Slope:	0.5072

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	2.0	1.062856	50.0	1051601.0	0.531428	Y
2	IC 410-468517/4	8.0	3.122346	50.0	1046617.0	0.390293	Y
3	IC 410-468517/5	20.0	9.582531	50.0	1009608.0	0.479127	Y
4	IC 410-468517/6	40.0	23.001664	50.0	1025591.0	0.575042	Y
5	ICIS 410-468517/7	100.0	53.396971	50.0	1020041.0	0.53397	Y
6	IC 410-468517/8	200.0	106.610916	50.0	1061033.0	0.533055	Y
7	IC 410-468517/9	600.0	304.363174	50.0	1002103.0	0.507272	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

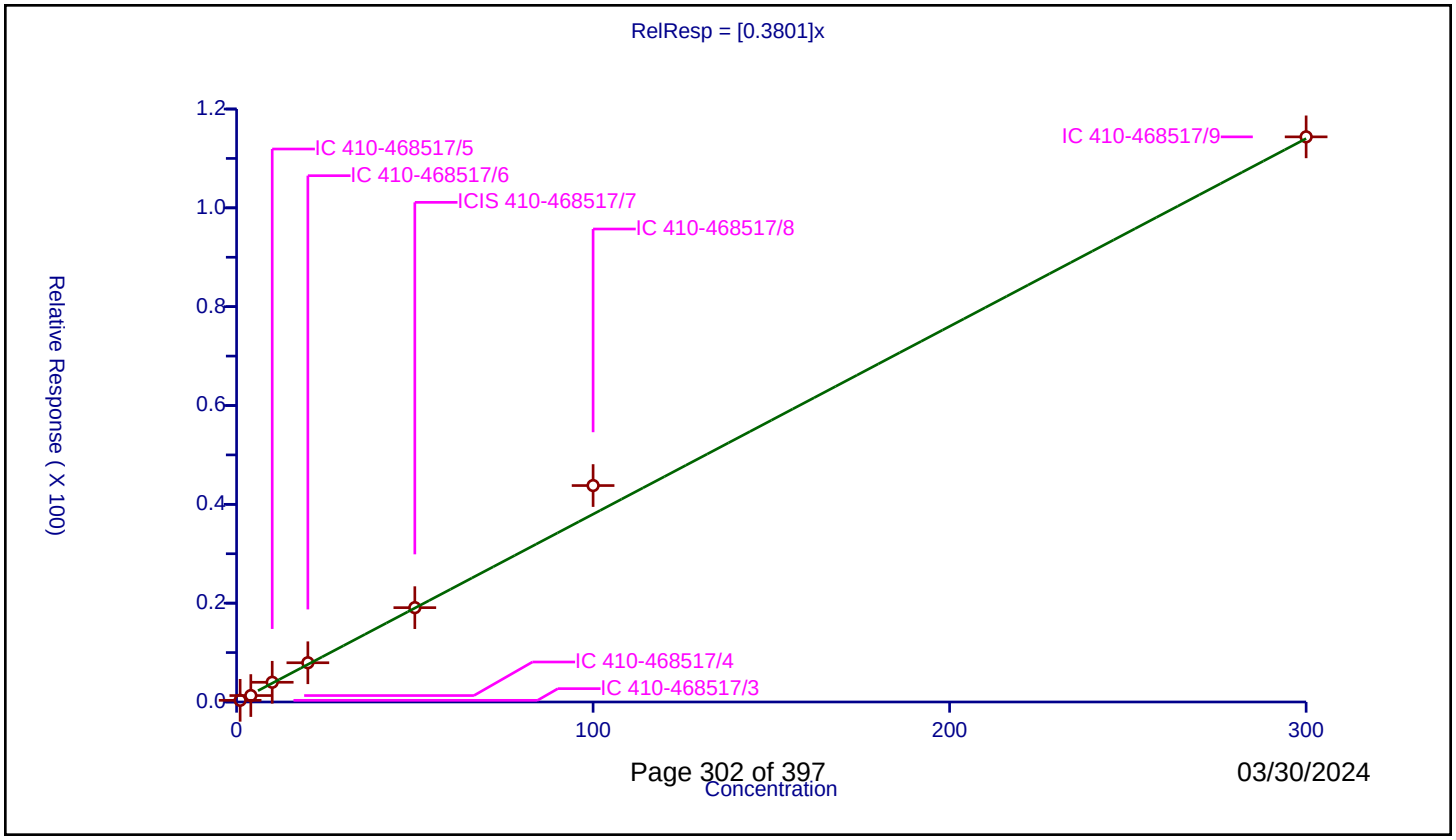
Curve Coefficients

Intercept:	0
Slope:	0.3801

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.337913	50.0	1051601.0	0.337913	Y
2	IC 410-468517/4	4.0	1.300762	50.0	1046617.0	0.325191	Y
3	IC 410-468517/5	10.0	3.993233	50.0	1009608.0	0.399323	Y
4	IC 410-468517/6	20.0	7.941665	50.0	1025591.0	0.397083	Y
5	ICIS 410-468517/7	50.0	19.090409	50.0	1020041.0	0.381808	Y
6	IC 410-468517/8	100.0	43.801512	50.0	1061033.0	0.438015	Y
7	IC 410-468517/9	300.0	114.367834	50.0	1002103.0	0.381226	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

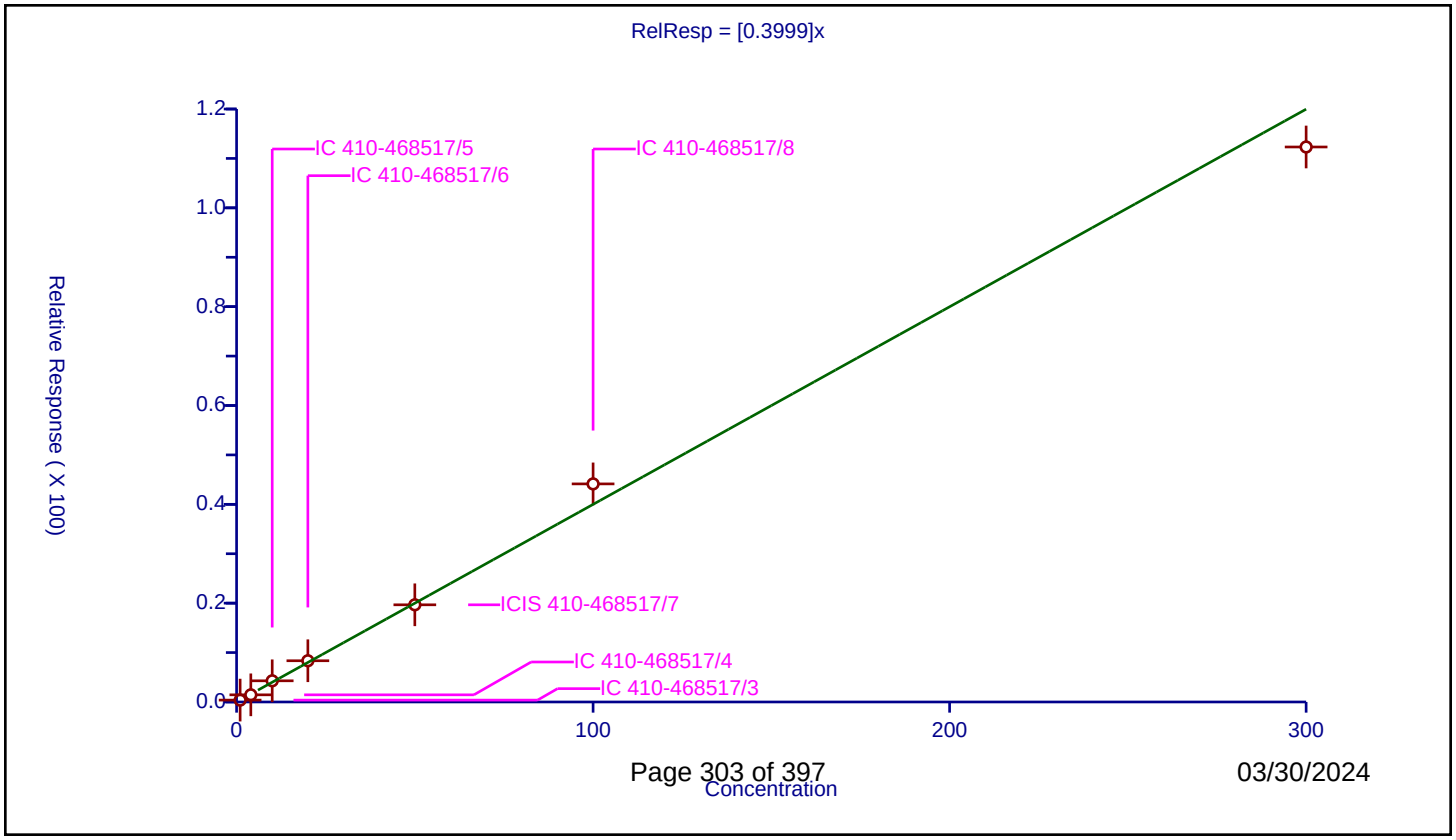
Curve Coefficients

Intercept:	0
Slope:	0.3999

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.382274	50.0	1051601.0	0.382274	Y
2	IC 410-468517/4	4.0	1.448524	50.0	1046617.0	0.362131	Y
3	IC 410-468517/5	10.0	4.285376	50.0	1009608.0	0.428538	Y
4	IC 410-468517/6	20.0	8.345481	50.0	1025591.0	0.417274	Y
5	ICIS 410-468517/7	50.0	19.666562	50.0	1020041.0	0.393331	Y
6	IC 410-468517/8	100.0	44.133312	50.0	1061033.0	0.441333	Y
7	IC 410-468517/9	300.0	112.314103	50.0	1002103.0	0.37438	Y



Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

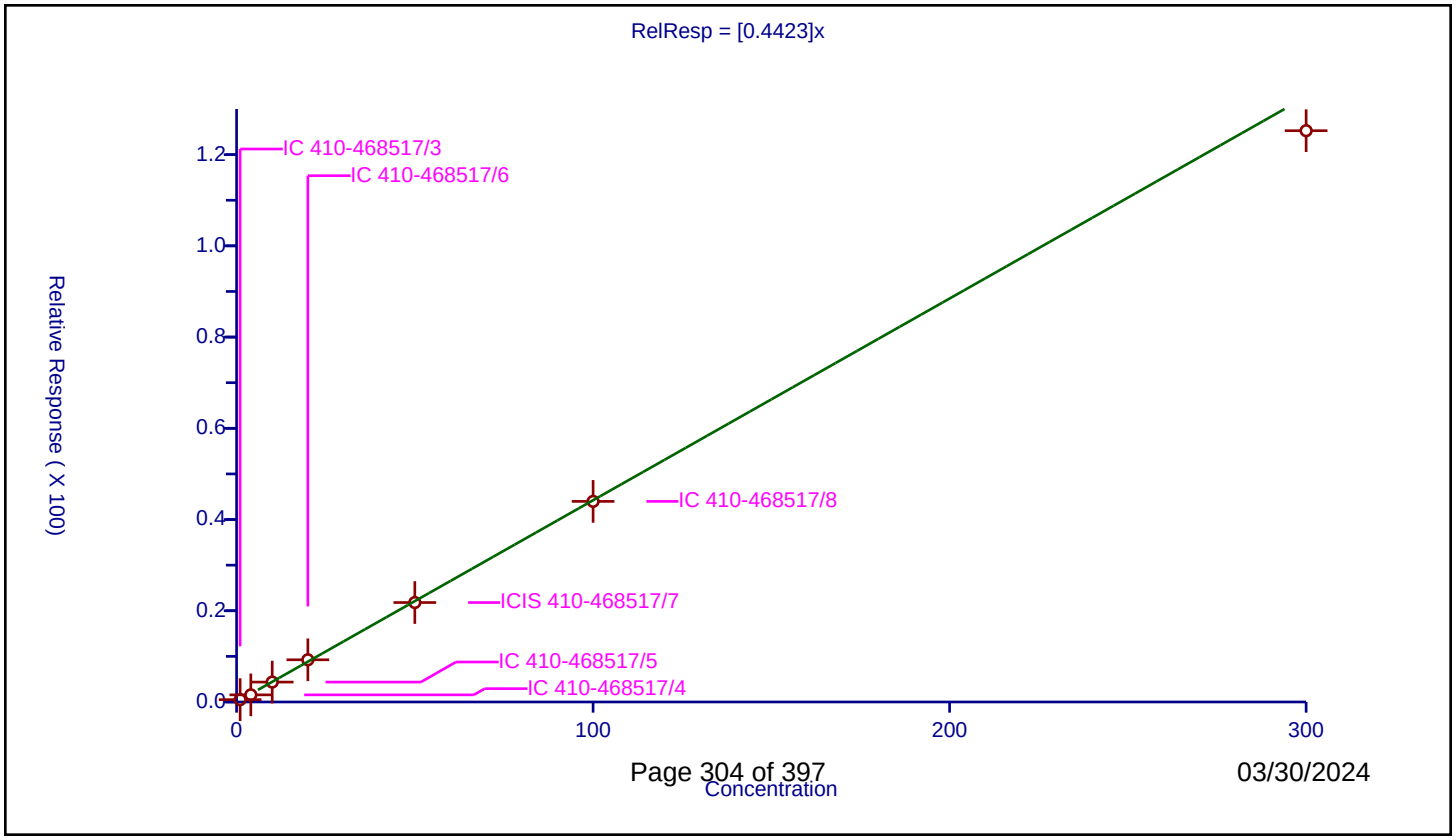
Curve Coefficients

Intercept:	0
Slope:	0.4423

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.513075	50.0	1051601.0	0.513075	Y
2	IC 410-468517/4	4.0	1.562893	50.0	1046617.0	0.390723	Y
3	IC 410-468517/5	10.0	4.362881	50.0	1009608.0	0.436288	Y
4	IC 410-468517/6	20.0	9.248814	50.0	1025591.0	0.462441	Y
5	ICIS 410-468517/7	50.0	21.803143	50.0	1020041.0	0.436063	Y
6	IC 410-468517/8	100.0	43.977237	50.0	1061033.0	0.439772	Y
7	IC 410-468517/9	300.0	125.246207	50.0	1002103.0	0.417487	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

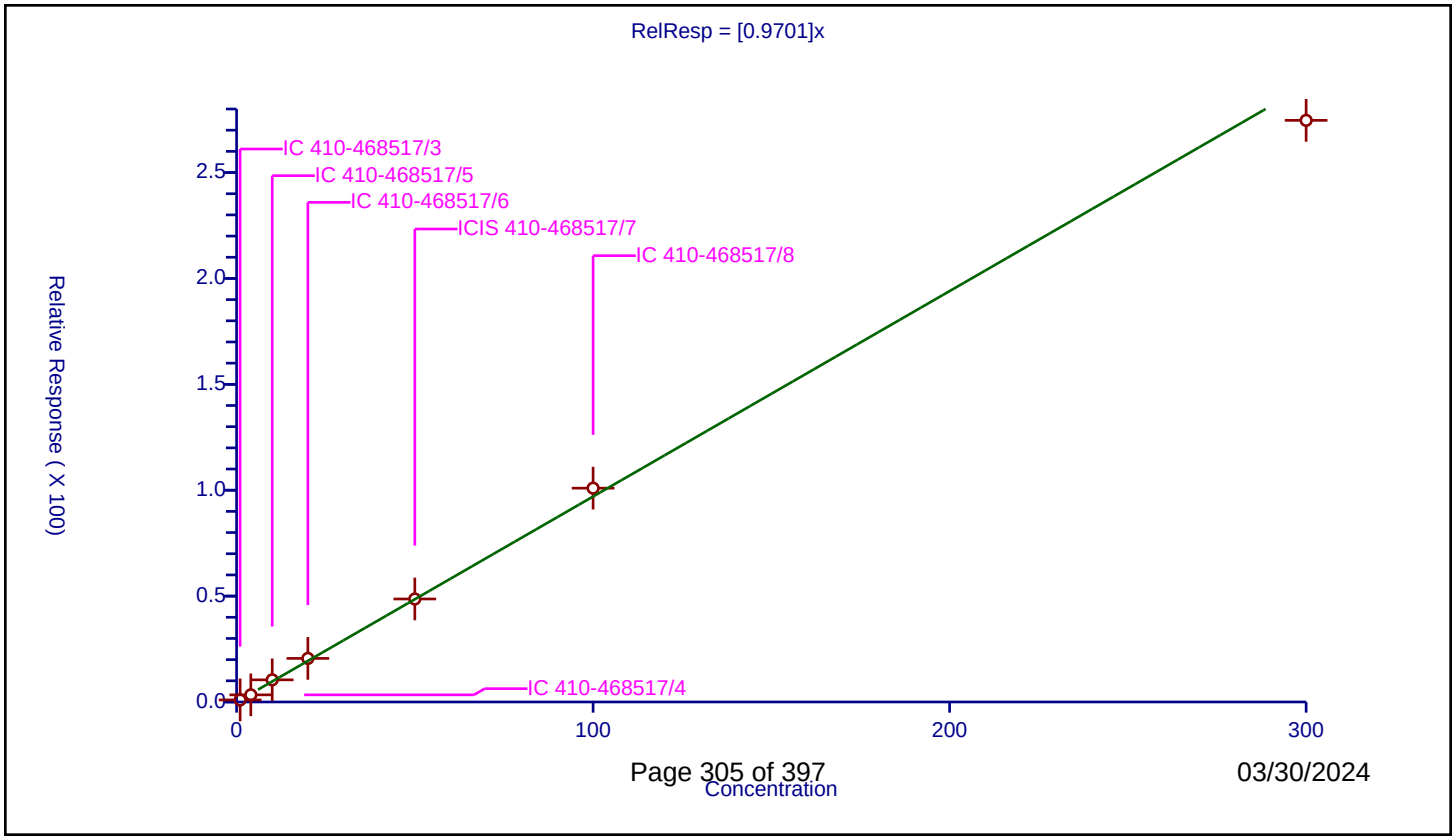
Curve Coefficients

Intercept:	0
Slope:	0.9701

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.977129	50.0	1051601.0	0.977129	Y
2	IC 410-468517/4	4.0	3.362214	50.0	1046617.0	0.840553	Y
3	IC 410-468517/5	10.0	10.463417	50.0	1009608.0	1.046342	Y
4	IC 410-468517/6	20.0	20.576721	50.0	1025591.0	1.028836	Y
5	ICIS 410-468517/7	50.0	48.639614	50.0	1020041.0	0.972792	Y
6	IC 410-468517/8	100.0	100.964485	50.0	1061033.0	1.009645	Y
7	IC 410-468517/9	300.0	274.647716	50.0	1002103.0	0.915492	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

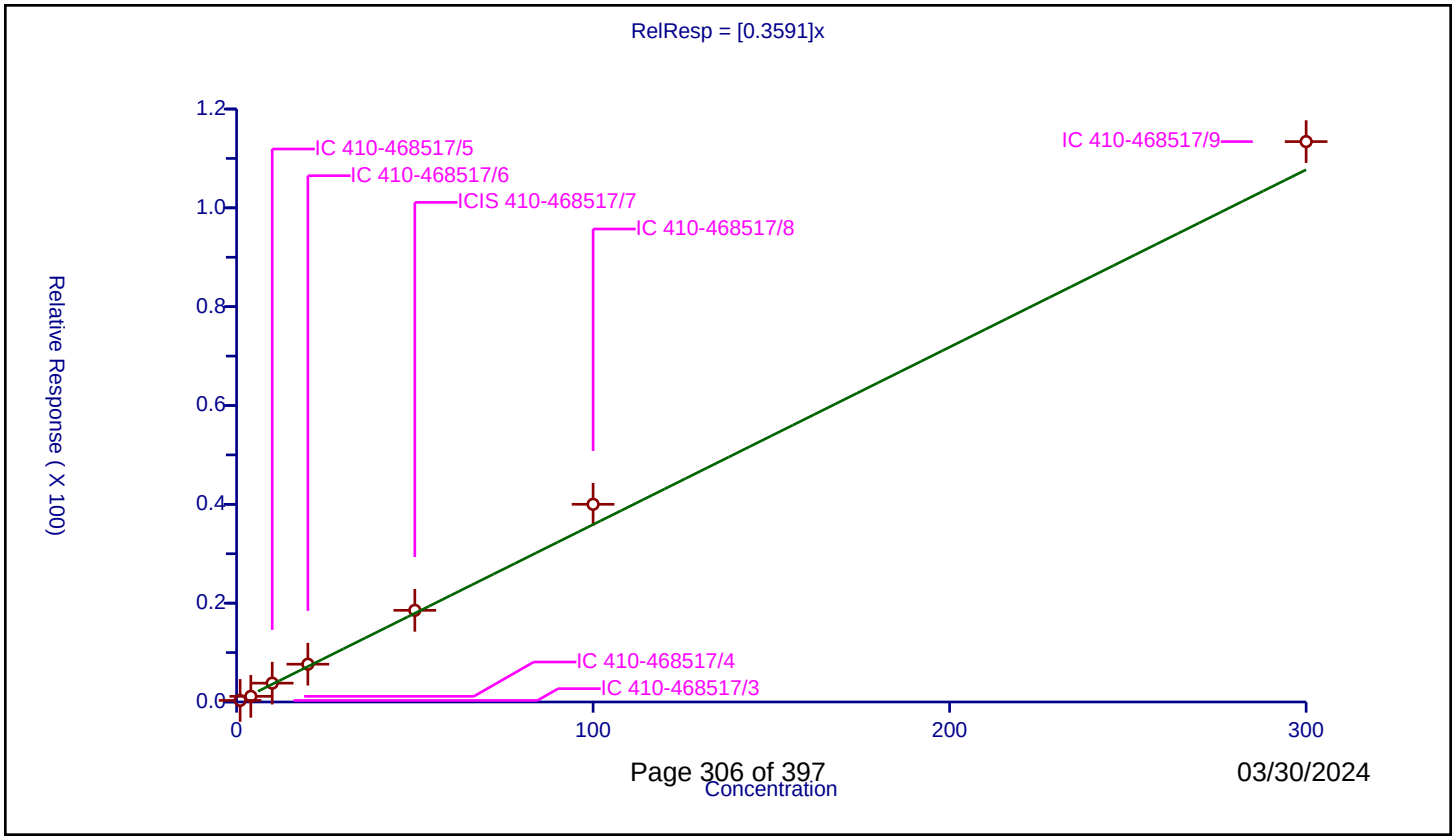
Curve Coefficients

Intercept:	0
Slope:	0.3591

Error Coefficients

Relative Standard Deviation:	11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.314093	50.0	1051601.0	0.314093	Y
2	IC 410-468517/4	4.0	1.146647	50.0	1046617.0	0.286662	Y
3	IC 410-468517/5	10.0	3.811727	50.0	1009608.0	0.381173	Y
4	IC 410-468517/6	20.0	7.649102	50.0	1025591.0	0.382455	Y
5	ICIS 410-468517/7	50.0	18.549696	50.0	1020041.0	0.370994	Y
6	IC 410-468517/8	100.0	40.00573	50.0	1061033.0	0.400057	Y
7	IC 410-468517/9	300.0	113.405458	50.0	1002103.0	0.378018	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

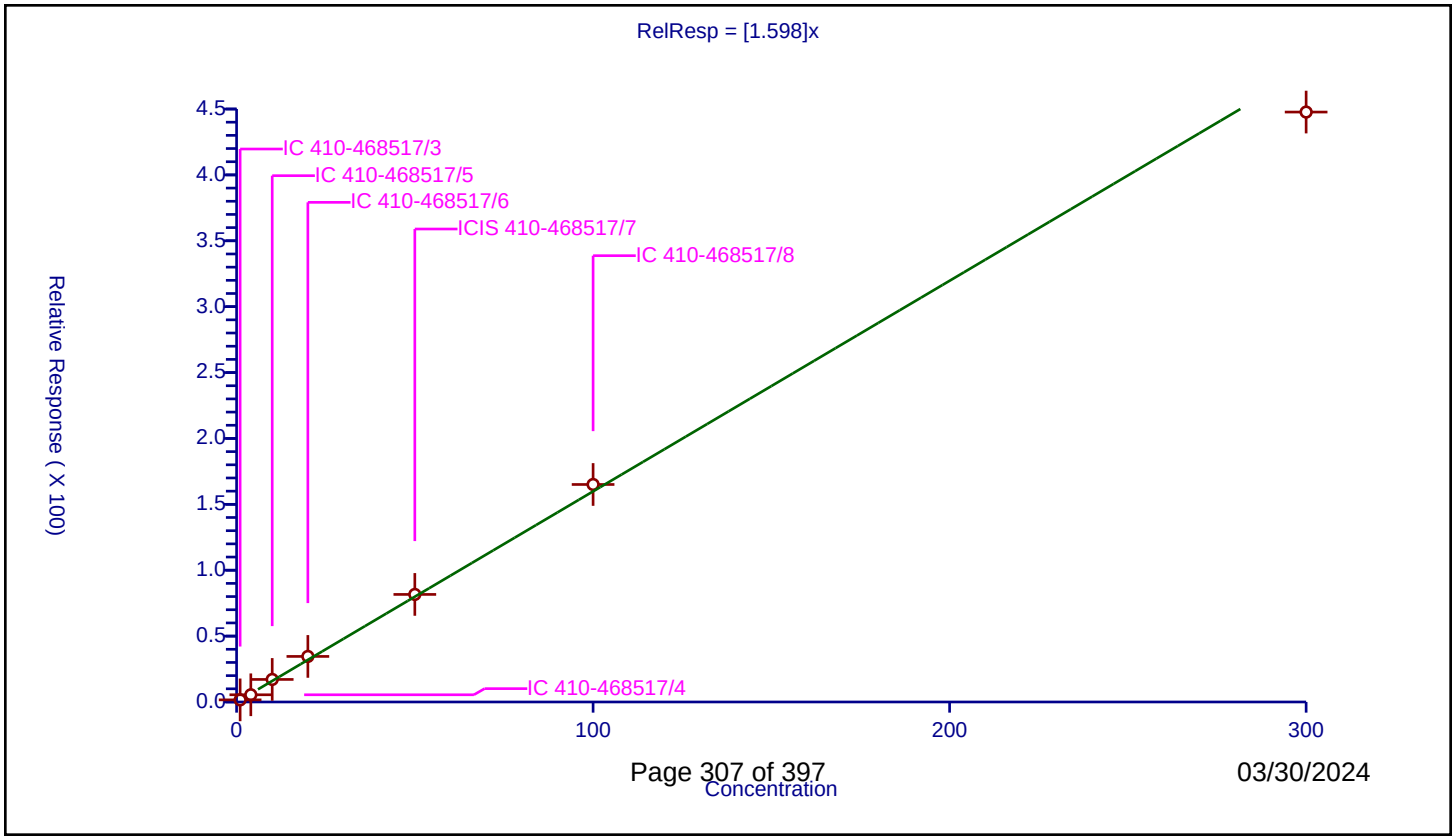
Curve Coefficients

Intercept:	0
Slope:	1.598

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	1.606265	50.0	1051601.0	1.606265	Y
2	IC 410-468517/4	4.0	5.468094	50.0	1046617.0	1.367023	Y
3	IC 410-468517/5	10.0	17.100746	50.0	1009608.0	1.710075	Y
4	IC 410-468517/6	20.0	34.577965	50.0	1025591.0	1.728898	Y
5	ICIS 410-468517/7	50.0	81.624317	50.0	1020041.0	1.632486	Y
6	IC 410-468517/8	100.0	165.06956	50.0	1061033.0	1.650696	Y
7	IC 410-468517/9	300.0	447.697841	50.0	1002103.0	1.492326	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

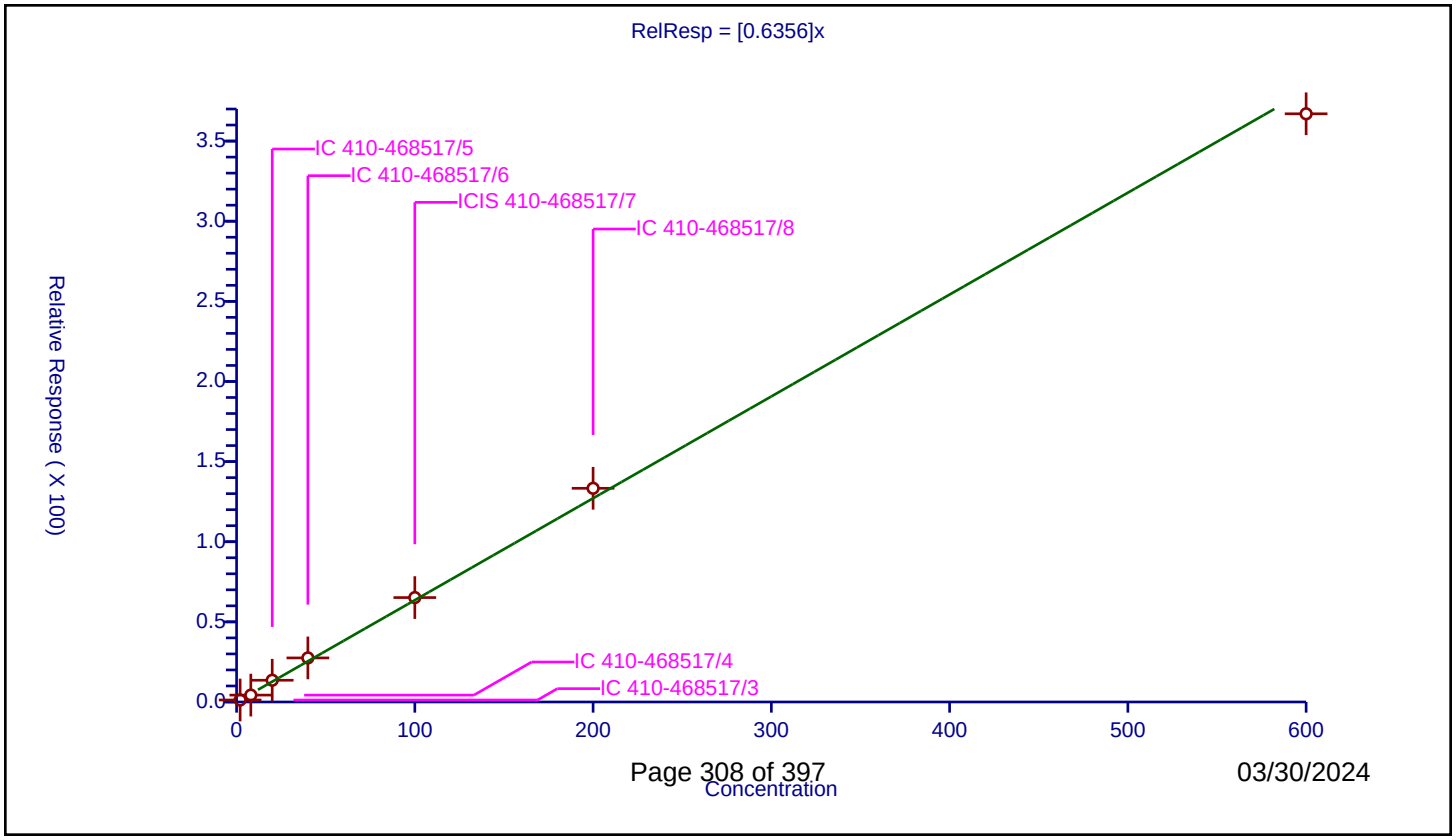
Curve Coefficients

Intercept:	0
Slope:	0.6356

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	2.0	1.232739	50.0	1051601.0	0.61637	Y
2	IC 410-468517/4	8.0	4.294121	50.0	1046617.0	0.536765	Y
3	IC 410-468517/5	20.0	13.569029	50.0	1009608.0	0.678451	Y
4	IC 410-468517/6	40.0	27.495902	50.0	1025591.0	0.687398	Y
5	ICIS 410-468517/7	100.0	65.151254	50.0	1020041.0	0.651513	Y
6	IC 410-468517/8	200.0	133.332941	50.0	1061033.0	0.666665	Y
7	IC 410-468517/9	600.0	367.013471	50.0	1002103.0	0.611689	Y



Calibration / n-Butyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

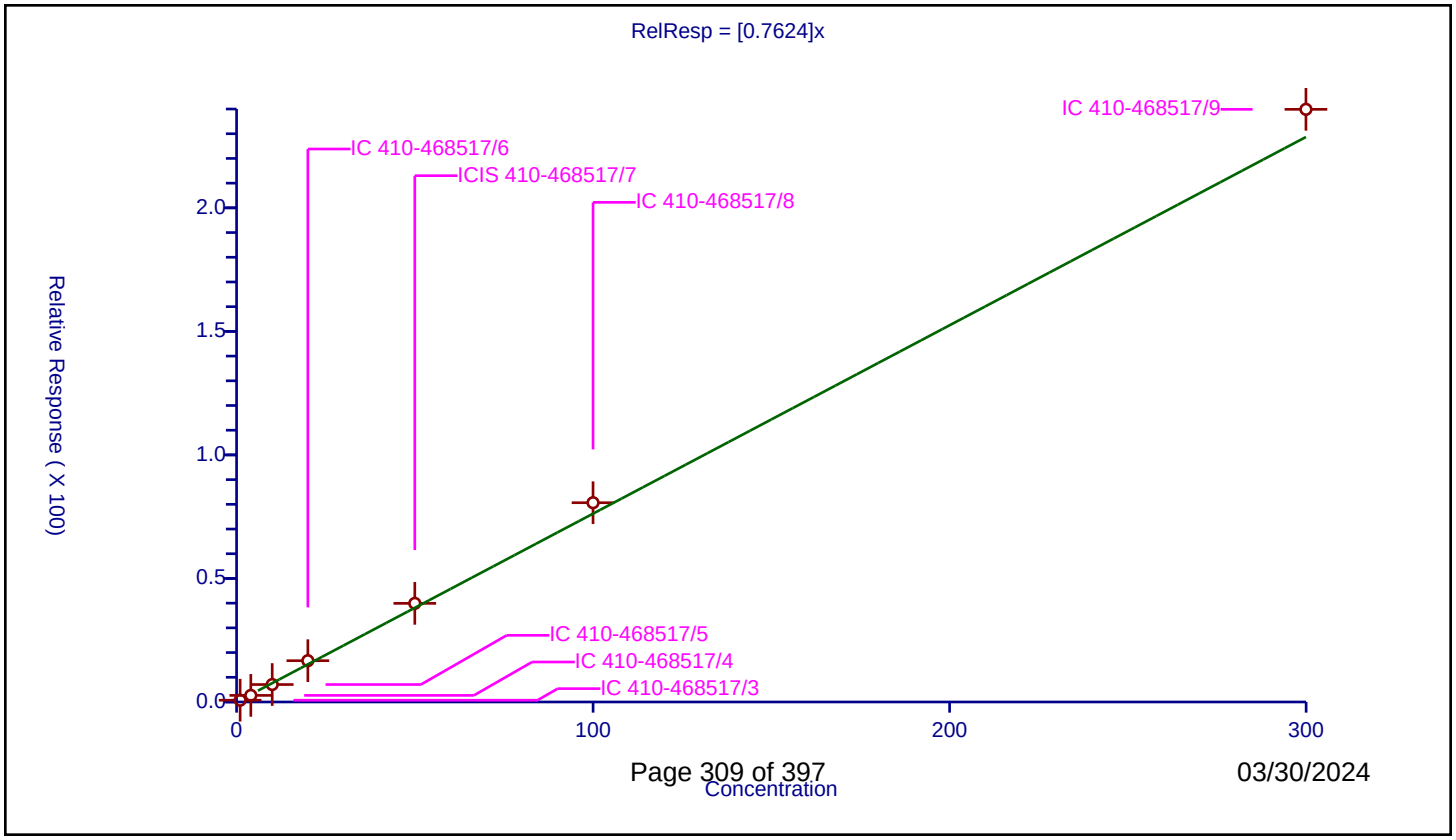
Curve Coefficients

Intercept:	0
Slope:	0.7624

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	0.99985	0.720996	50.0	1051601.0	0.721104	Y
2	IC 410-468517/4	3.999398	2.671751	50.0	1046617.0	0.668038	Y
3	IC 410-468517/5	9.998496	7.068189	50.0	1009608.0	0.706925	Y
4	IC 410-468517/6	19.996992	16.707927	50.0	1025591.0	0.835522	Y
5	ICIS 410-468517/7	49.99248	39.92016	50.0	1020041.0	0.798523	Y
6	IC 410-468517/8	99.98496	80.654937	50.0	1061033.0	0.806671	Y
7	IC 410-468517/9	299.95488	239.868806	50.0	1002103.0	0.799683	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

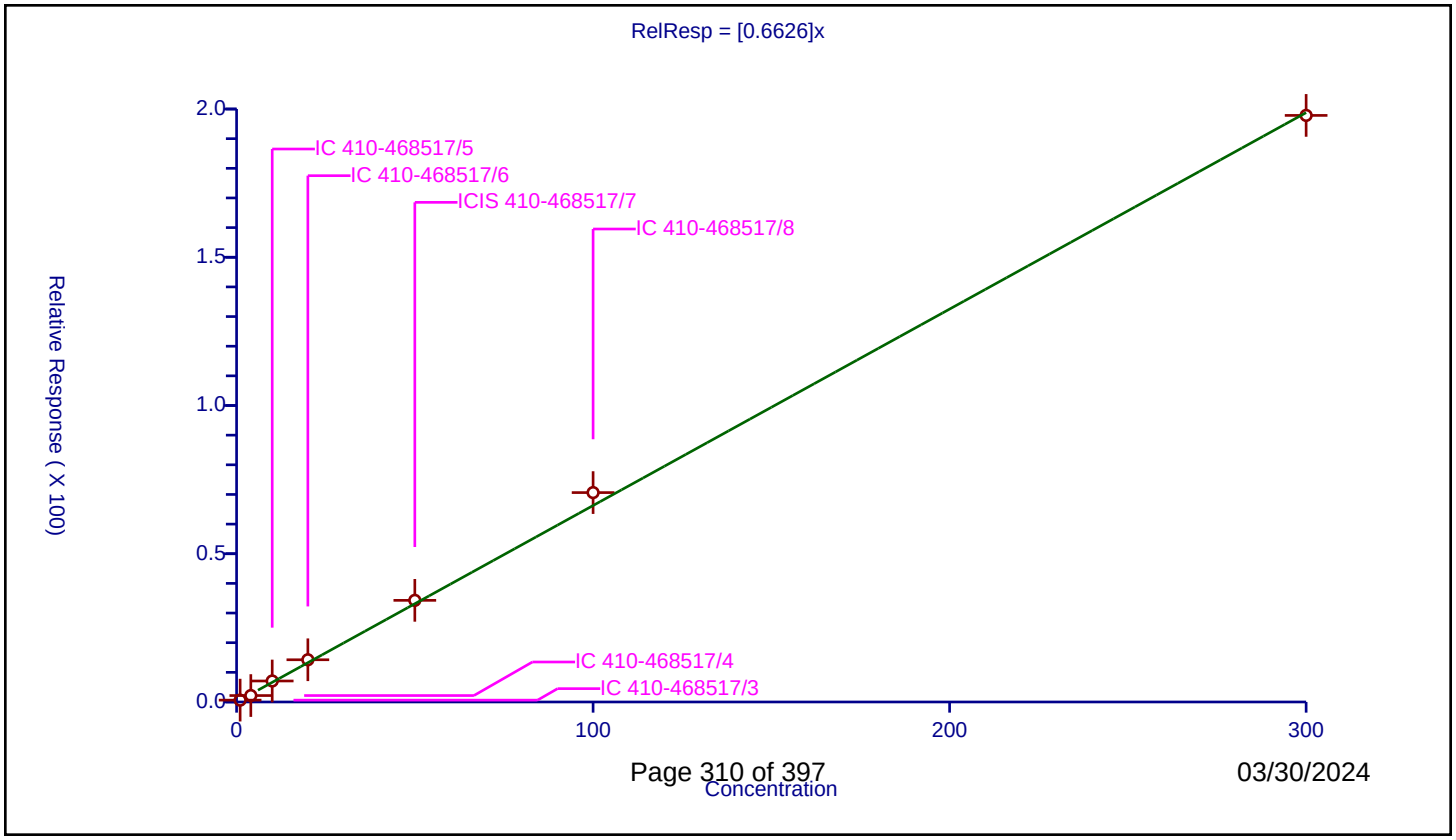
Curve Coefficients

Intercept:	0
Slope:	0.6626

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.623858	50.0	1051601.0	0.623858	Y
2	IC 410-468517/4	4.0	2.169753	50.0	1046617.0	0.542438	Y
3	IC 410-468517/5	10.0	7.084383	50.0	1009608.0	0.708438	Y
4	IC 410-468517/6	20.0	14.239058	50.0	1025591.0	0.711953	Y
5	ICIS 410-468517/7	50.0	34.2847	50.0	1020041.0	0.685694	Y
6	IC 410-468517/8	100.0	70.625372	50.0	1061033.0	0.706254	Y
7	IC 410-468517/9	300.0	197.842288	50.0	1002103.0	0.659474	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

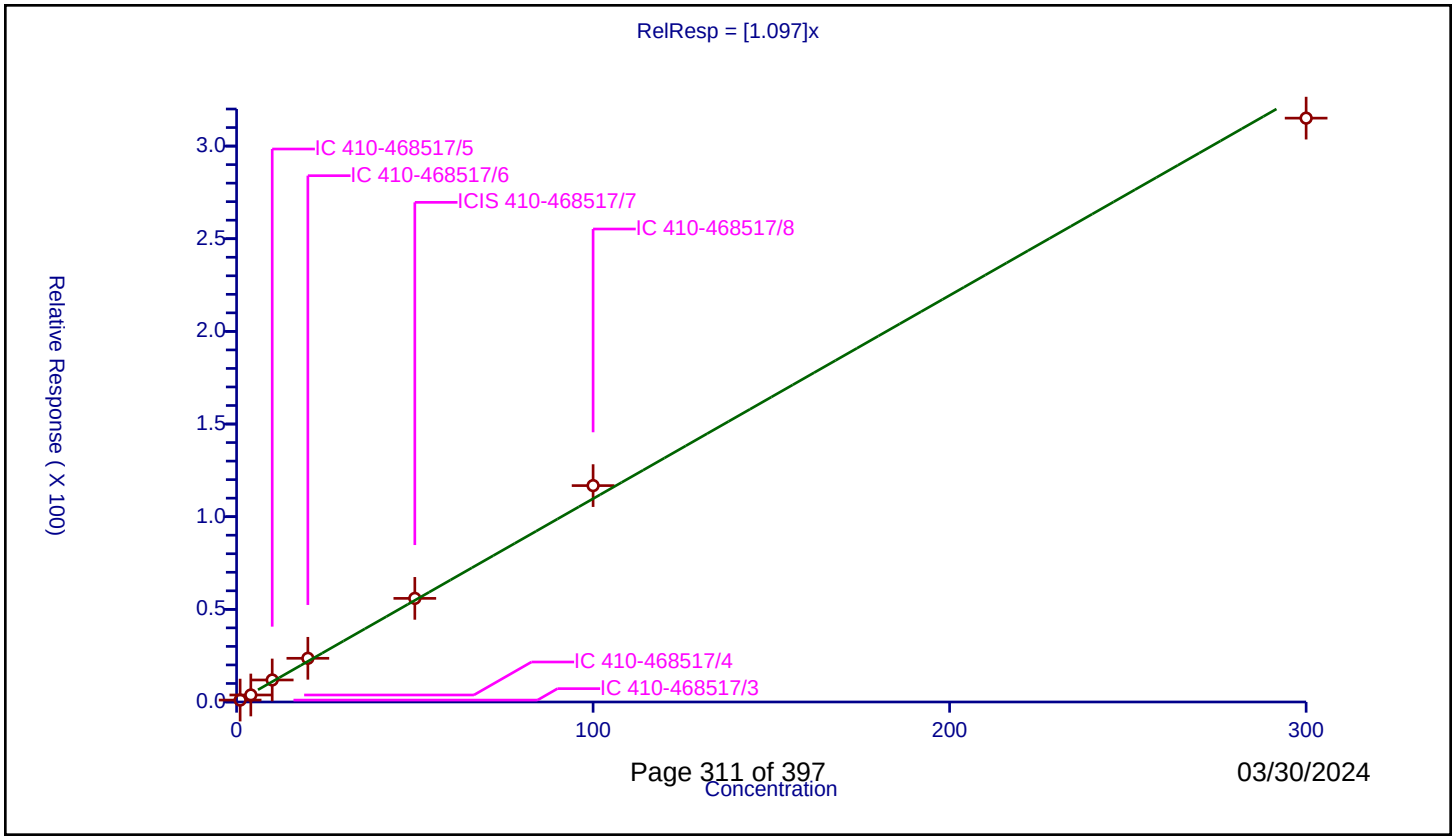
Curve Coefficients

Intercept:	0
Slope:	1.097

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	1.033757	50.0	1051601.0	1.033757	Y
2	IC 410-468517/4	4.0	3.771007	50.0	1046617.0	0.942752	Y
3	IC 410-468517/5	10.0	11.879809	50.0	1009608.0	1.187981	Y
4	IC 410-468517/6	20.0	23.57587	50.0	1025591.0	1.178793	Y
5	ICIS 410-468517/7	50.0	55.914174	50.0	1020041.0	1.118283	Y
6	IC 410-468517/8	100.0	116.770968	50.0	1061033.0	1.16771	Y
7	IC 410-468517/9	300.0	315.083479	50.0	1002103.0	1.050278	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

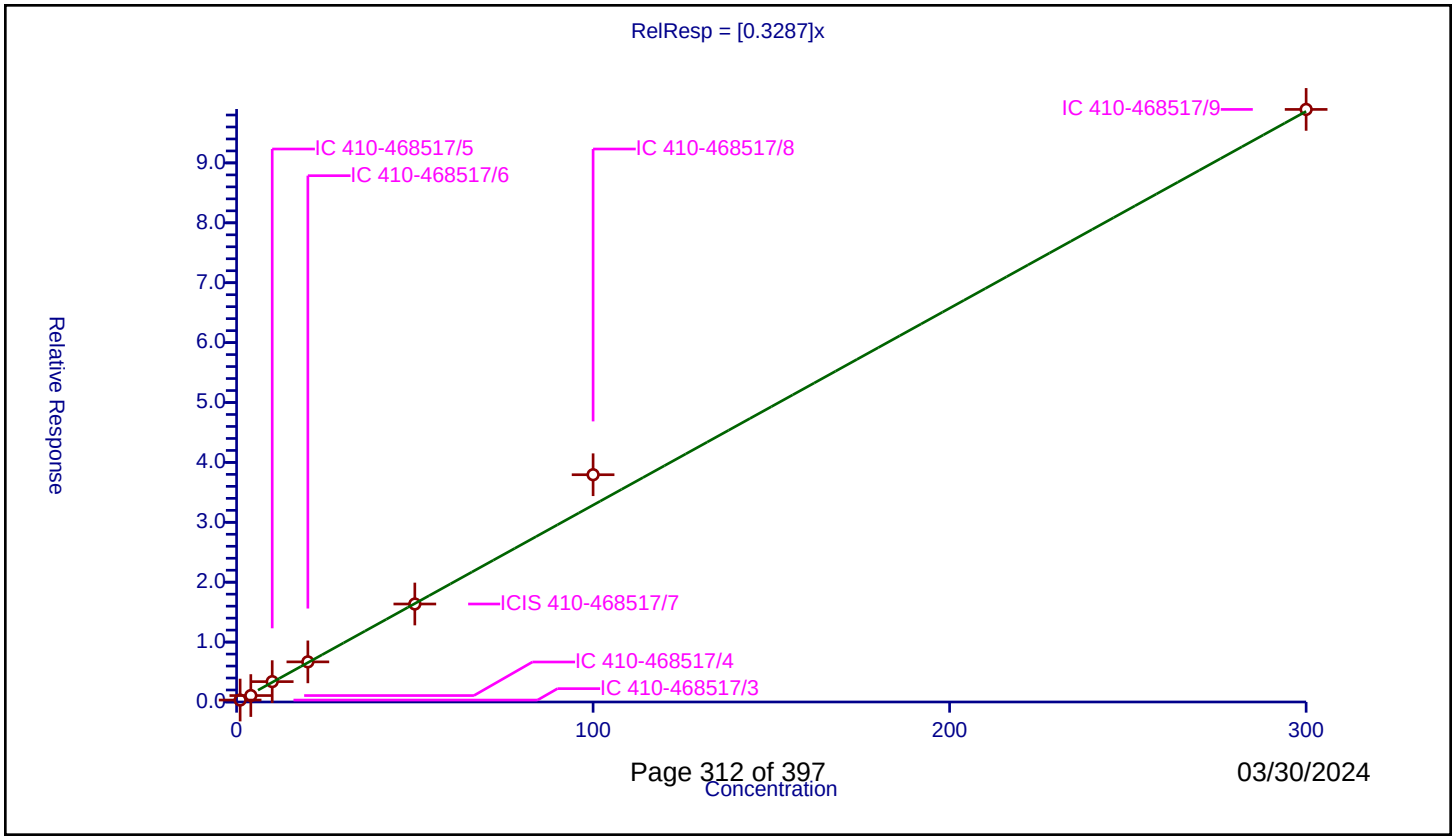
Curve Coefficients

Intercept:	0
Slope:	0.3287

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.321177	50.0	1051601.0	0.321177	Y
2	IC 410-468517/4	4.0	1.073554	50.0	1046617.0	0.268389	Y
3	IC 410-468517/5	10.0	3.400676	50.0	1009608.0	0.340068	Y
4	IC 410-468517/6	20.0	6.698333	50.0	1025591.0	0.334917	Y
5	ICIS 410-468517/7	50.0	16.359784	50.0	1020041.0	0.327196	Y
6	IC 410-468517/8	100.0	37.944343	50.0	1061033.0	0.379443	Y
7	IC 410-468517/9	300.0	98.934191	50.0	1002103.0	0.329781	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

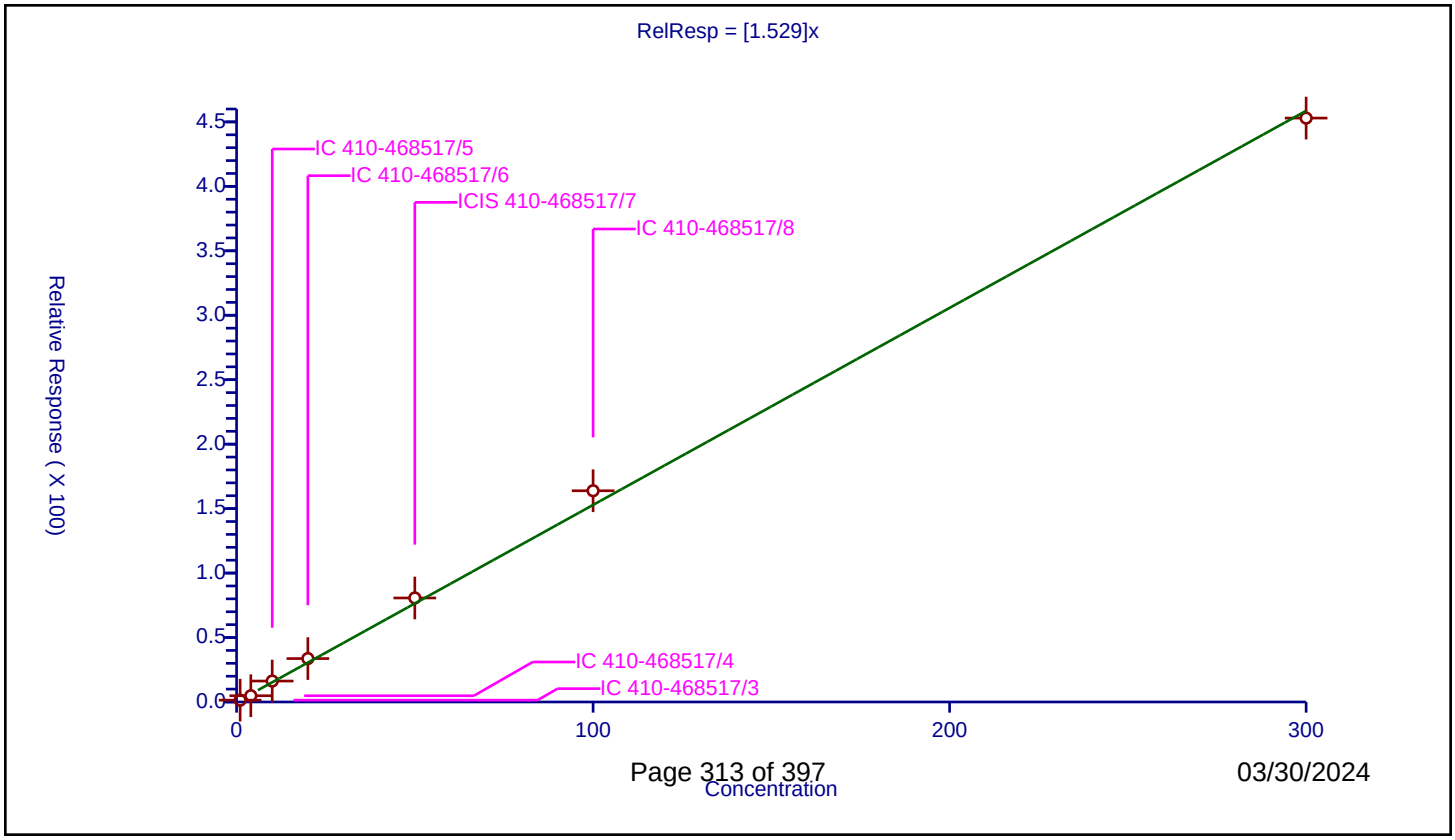
Curve Coefficients

Intercept:	0
Slope:	1.529

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	1.412846	50.0	1051601.0	1.412846	Y
2	IC 410-468517/4	4.0	4.860613	50.0	1046617.0	1.215153	Y
3	IC 410-468517/5	10.0	16.255121	50.0	1009608.0	1.625512	Y
4	IC 410-468517/6	20.0	33.681117	50.0	1025591.0	1.684056	Y
5	ICIS 410-468517/7	50.0	80.698178	50.0	1020041.0	1.613964	Y
6	IC 410-468517/8	100.0	163.872801	50.0	1061033.0	1.638728	Y
7	IC 410-468517/9	300.0	452.960973	50.0	1002103.0	1.50987	Y



Calibration / Cyclohexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

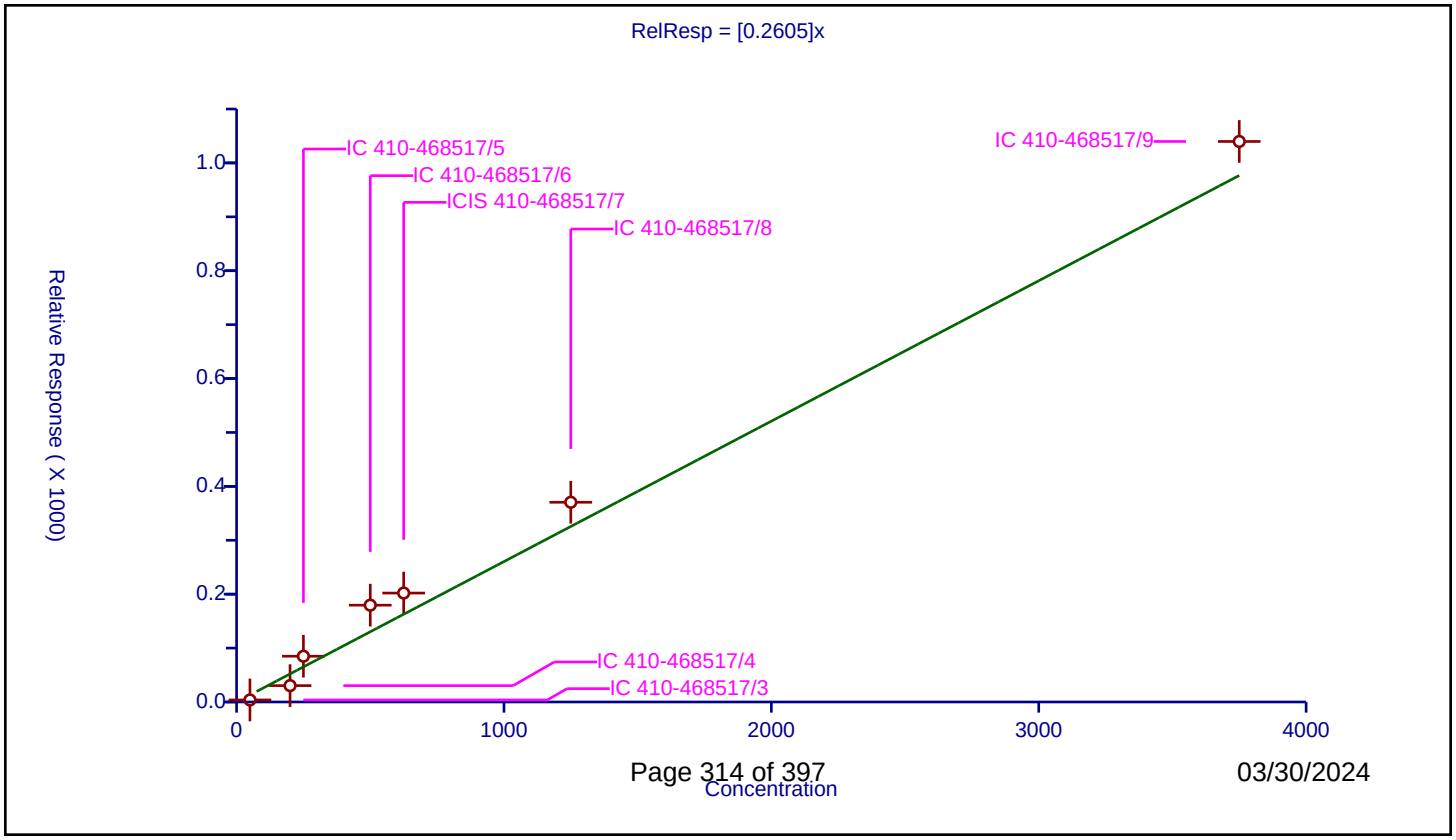
Curve Coefficients

Intercept:	0
Slope:	0.2605

Error Coefficients

Relative Standard Deviation:	40.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	49.998492	3.780068	250.0	563482.0	0.075604	Y
2	IC 410-468517/4	199.993968	30.36291	250.0	489240.0	0.151819	Y
3	IC 410-468517/5	249.99246	84.900494	250.0	535895.0	0.339612	Y
4	IC 410-468517/6	499.98492	179.610091	250.0	518146.0	0.359231	Y
5	ICIS 410-468517/7	624.98115	202.05729	250.0	532448.0	0.323301	Y
6	IC 410-468517/8	1249.9623	370.497634	250.0	528139.0	0.296407	Y
7	IC 410-468517/9	3749.8869	1039.777757	250.0	525325.0	0.277282	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

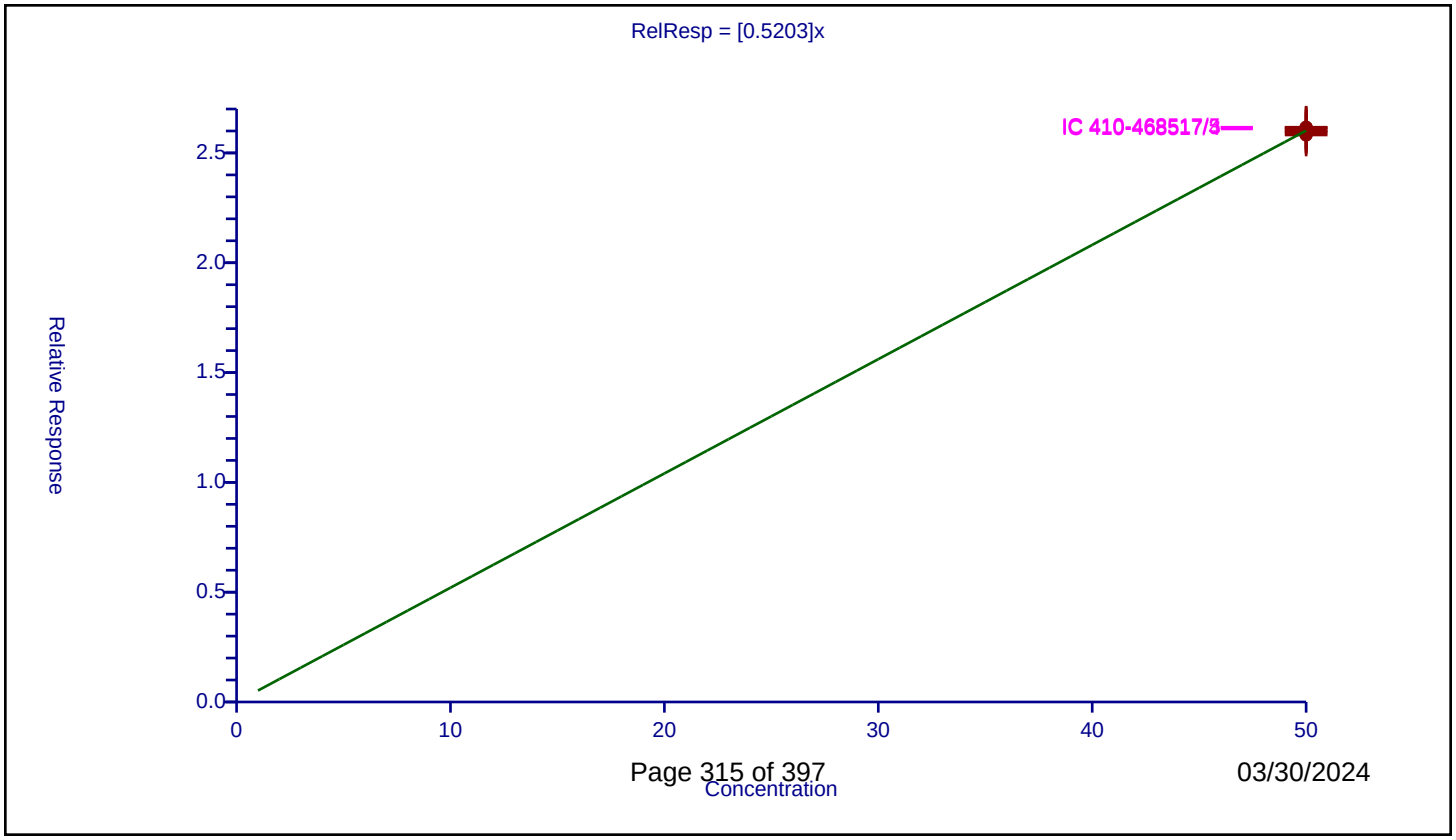
Curve Coefficients

Intercept:	0
Slope:	0.5203

Error Coefficients

Relative Standard Deviation:	0.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	50.0	26.149081	50.0	1051601.0	0.522982	Y
2	IC 410-468517/4	50.0	26.092353	50.0	1046617.0	0.521847	Y
3	IC 410-468517/5	50.0	26.171098	50.0	1009608.0	0.523422	Y
4	IC 410-468517/6	50.0	25.900383	50.0	1025591.0	0.518008	Y
5	ICIS 410-468517/7	50.0	25.996945	50.0	1020041.0	0.519939	Y
6	IC 410-468517/8	50.0	25.97742	50.0	1061033.0	0.519548	Y
7	IC 410-468517/9	50.0	25.817057	50.0	1002103.0	0.516341	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

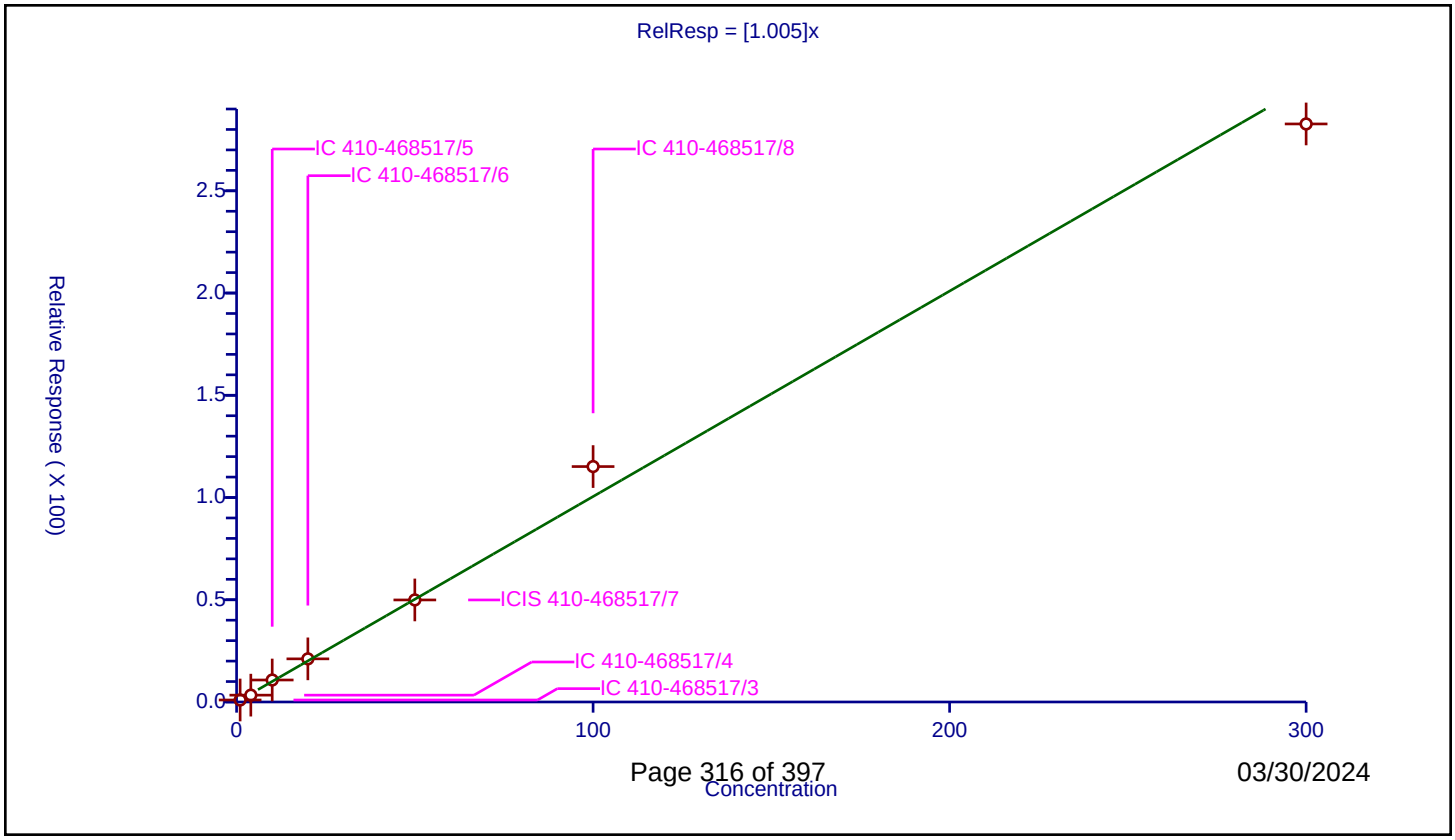
Curve Coefficients

Intercept:	0
Slope:	1.005

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.975582	50.0	660016.0	0.975582	Y
2	IC 410-468517/4	4.0	3.347729	50.0	659477.0	0.836932	Y
3	IC 410-468517/5	10.0	10.74675	50.0	644888.0	1.074675	Y
4	IC 410-468517/6	20.0	21.090609	50.0	653497.0	1.05453	Y
5	ICIS 410-468517/7	50.0	49.903609	50.0	639061.0	0.998072	Y
6	IC 410-468517/8	100.0	115.139284	50.0	670428.0	1.151393	Y
7	IC 410-468517/9	300.0	282.7003	50.0	632800.0	0.942334	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

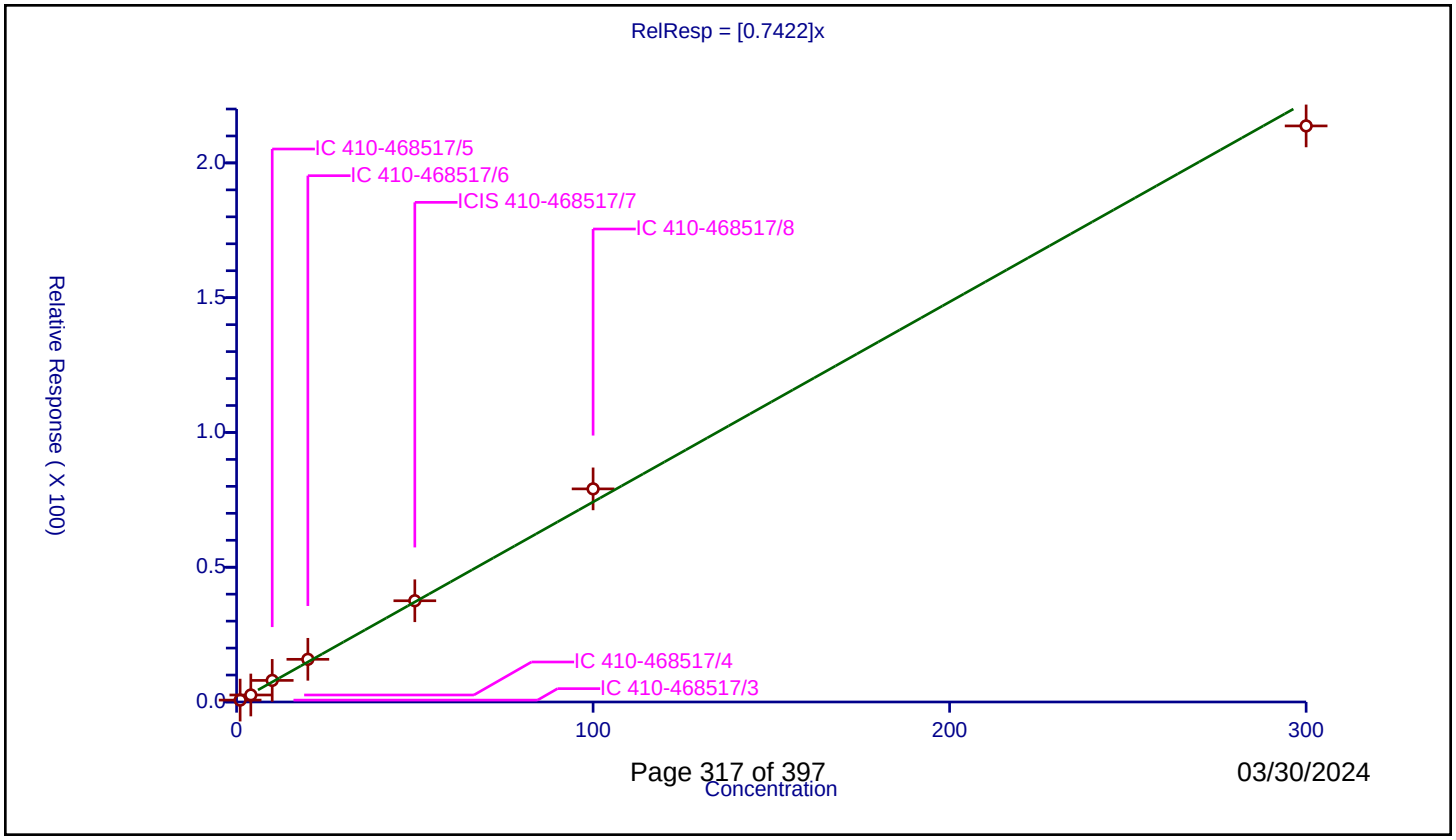
Curve Coefficients

Intercept:	0
Slope:	0.7422

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.699225	50.0	660016.0	0.699225	Y
2	IC 410-468517/4	4.0	2.595163	50.0	659477.0	0.648791	Y
3	IC 410-468517/5	10.0	8.010616	50.0	644888.0	0.801062	Y
4	IC 410-468517/6	20.0	15.837181	50.0	653497.0	0.791859	Y
5	ICIS 410-468517/7	50.0	37.561203	50.0	639061.0	0.751224	Y
6	IC 410-468517/8	100.0	79.062479	50.0	670428.0	0.790625	Y
7	IC 410-468517/9	300.0	213.730958	50.0	632800.0	0.712437	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

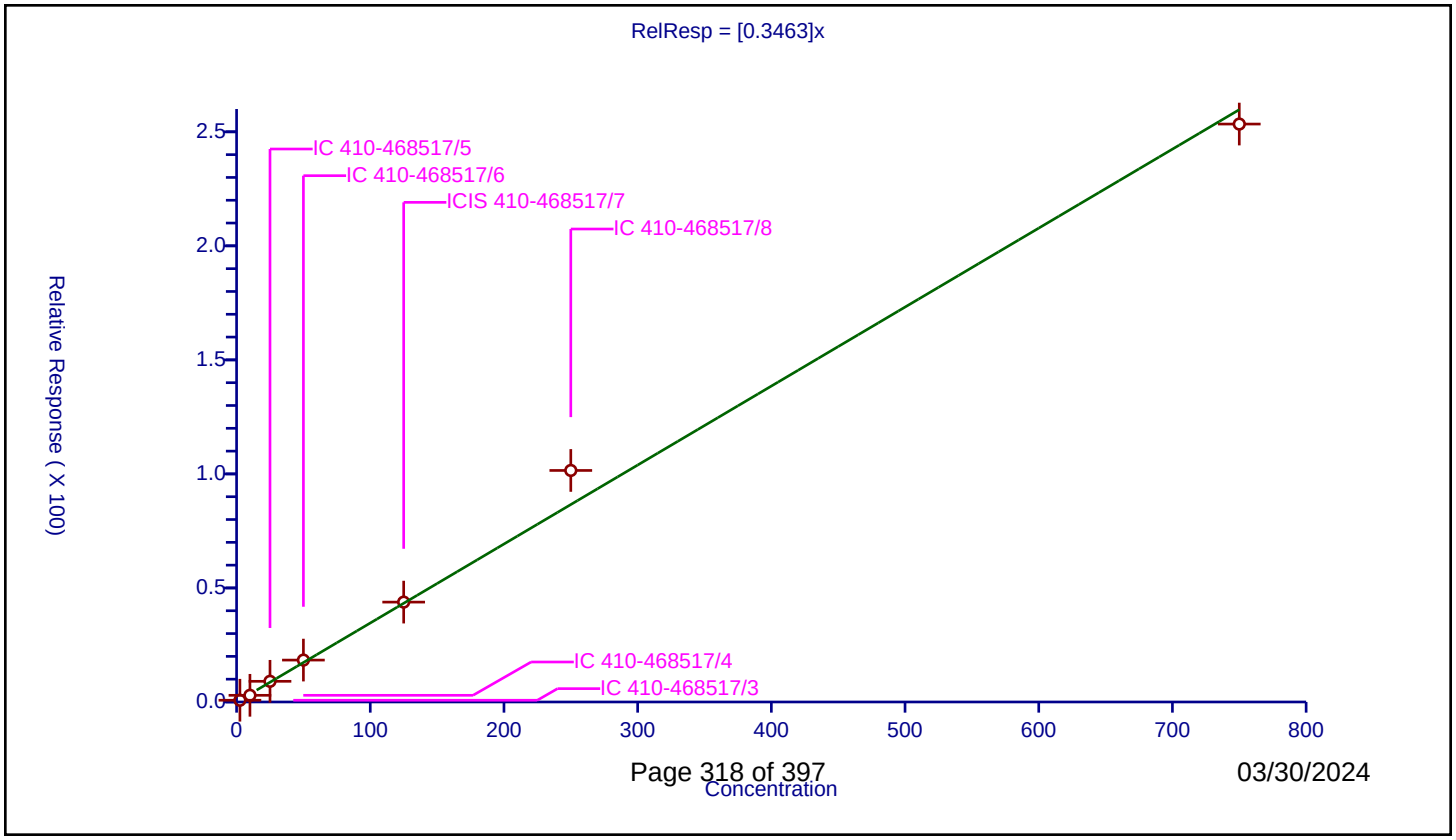
Curve Coefficients

Intercept:	0
Slope:	0.3463

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	2.5	0.767709	50.0	660016.0	0.307083	Y
2	IC 410-468517/4	10.0	2.923529	50.0	659477.0	0.292353	Y
3	IC 410-468517/5	25.0	9.071963	50.0	644888.0	0.362879	Y
4	IC 410-468517/6	50.0	18.370092	50.0	653497.0	0.367402	Y
5	ICIS 410-468517/7	125.0	43.795819	50.0	639061.0	0.350367	Y
6	IC 410-468517/8	250.0	101.516494	50.0	670428.0	0.406066	Y
7	IC 410-468517/9	750.0	253.408107	50.0	632800.0	0.337877	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

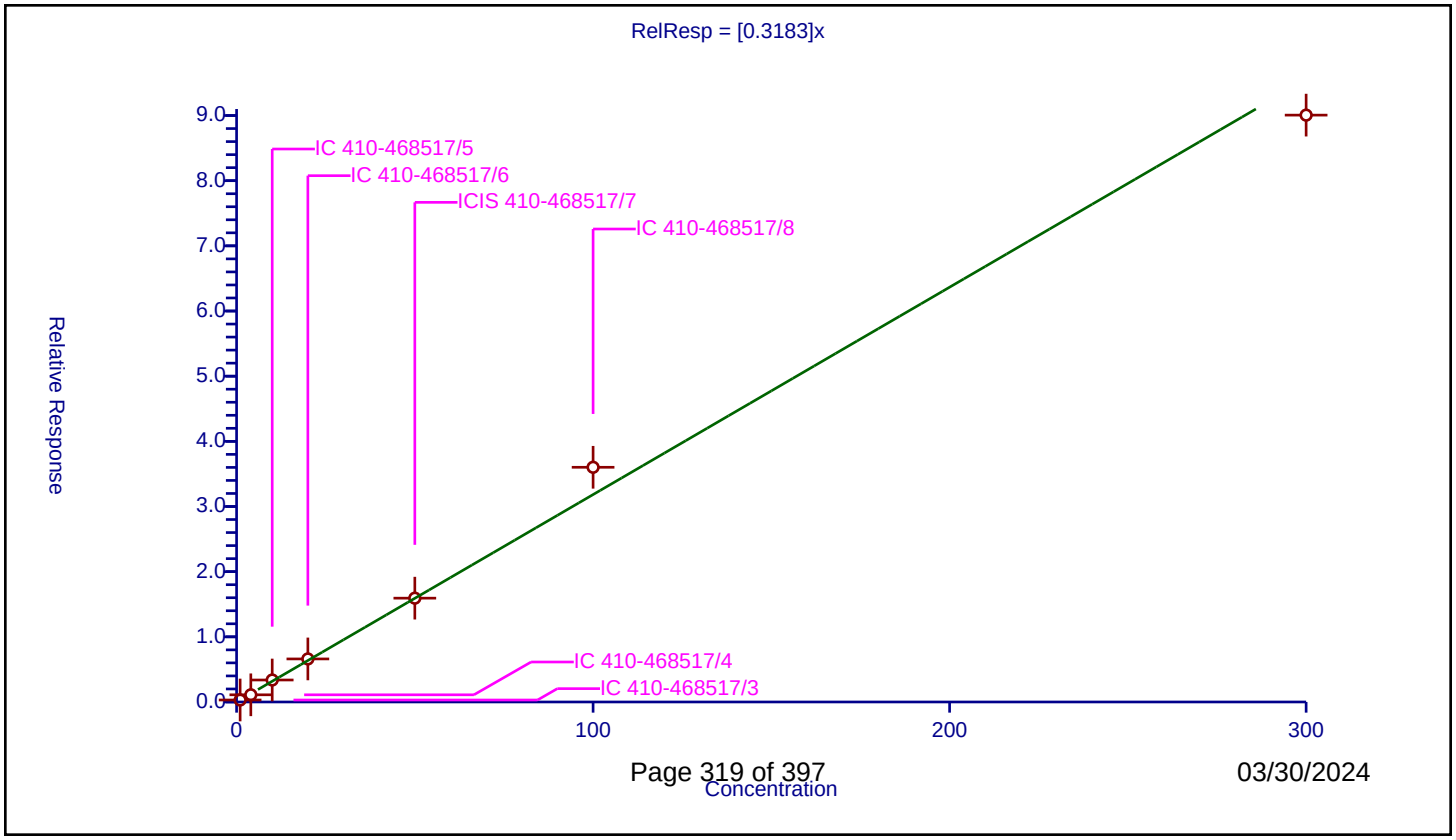
Curve Coefficients

Intercept:	0
Slope:	0.3183

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.305144	50.0	660016.0	0.305144	Y
2	IC 410-468517/4	4.0	1.10345	50.0	659477.0	0.275863	Y
3	IC 410-468517/5	10.0	3.375858	50.0	644888.0	0.337586	Y
4	IC 410-468517/6	20.0	6.606687	50.0	653497.0	0.330334	Y
5	ICIS 410-468517/7	50.0	15.933847	50.0	639061.0	0.318677	Y
6	IC 410-468517/8	100.0	36.019901	50.0	670428.0	0.360199	Y
7	IC 410-468517/9	300.0	90.063606	50.0	632800.0	0.300212	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

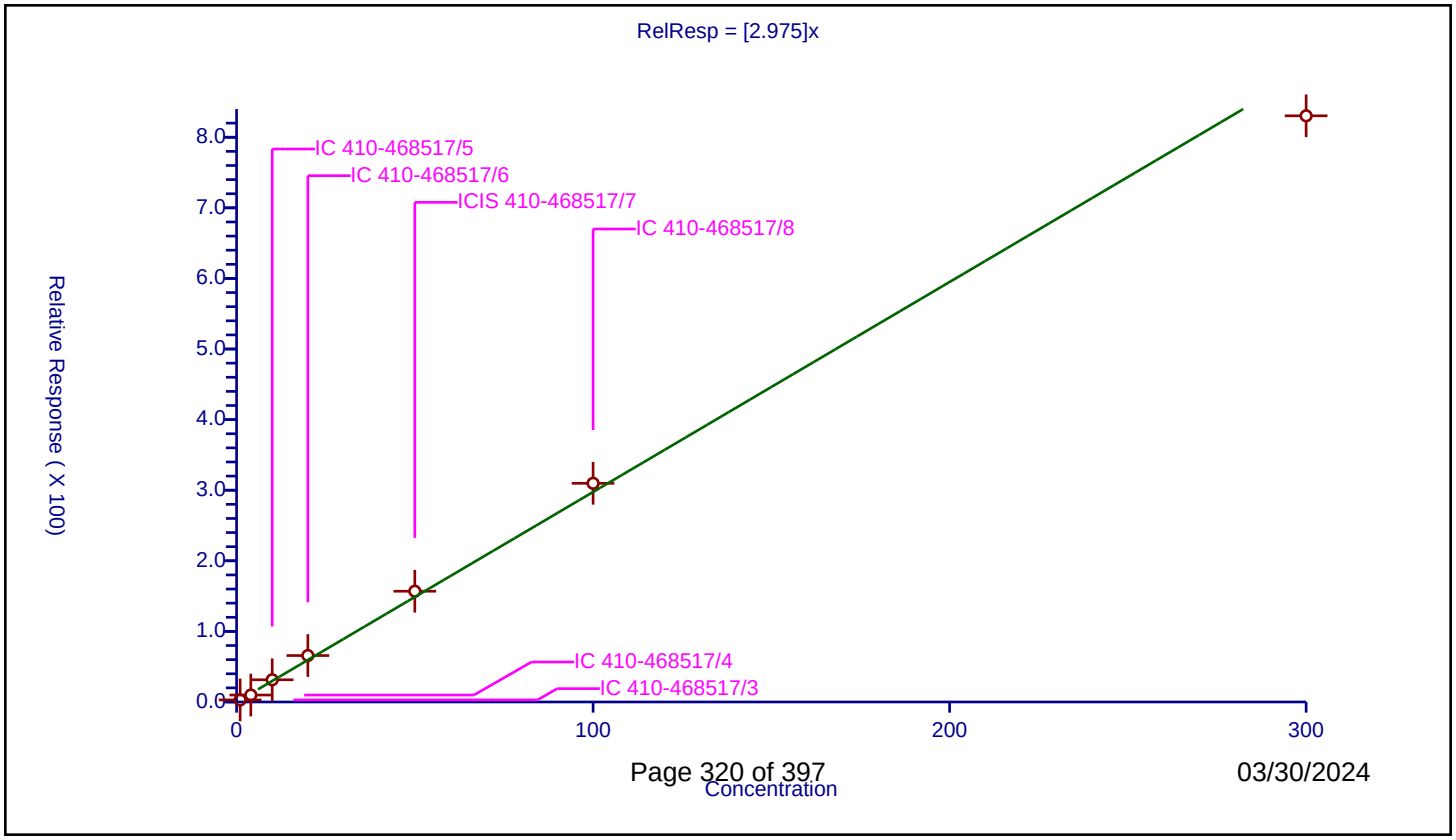
Curve Coefficients

Intercept:	0
Slope:	2.975

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	2.925687	50.0	660016.0	2.925687	Y
2	IC 410-468517/4	4.0	9.846287	50.0	659477.0	2.461572	Y
3	IC 410-468517/5	10.0	31.435924	50.0	644888.0	3.143592	Y
4	IC 410-468517/6	20.0	65.787907	50.0	653497.0	3.289395	Y
5	ICIS 410-468517/7	50.0	156.892143	50.0	639061.0	3.137843	Y
6	IC 410-468517/8	100.0	309.788971	50.0	670428.0	3.09789	Y
7	IC 410-468517/9	300.0	830.358881	50.0	632800.0	2.767863	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

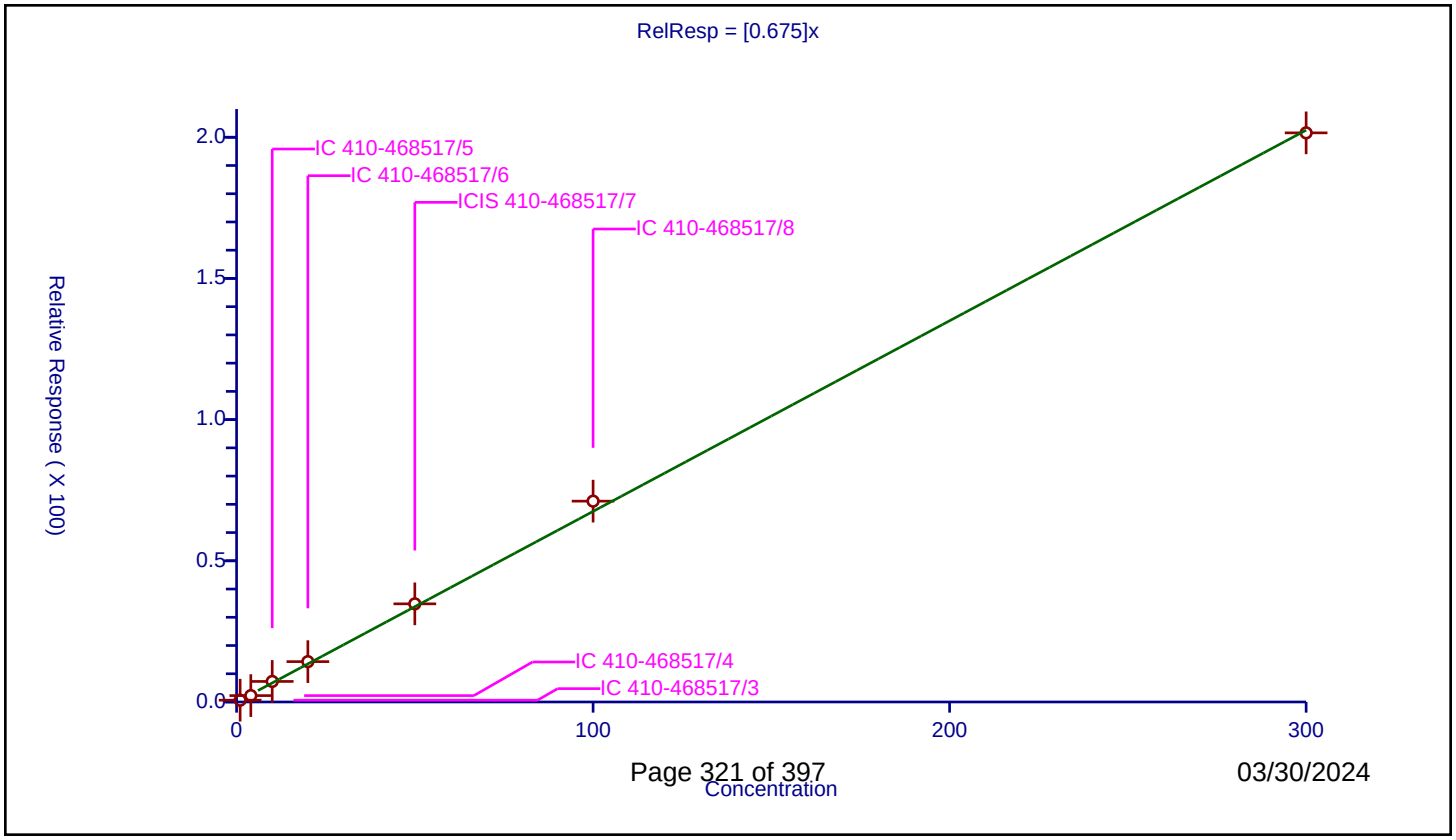
Curve Coefficients

Intercept:	0
Slope:	0.675

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.638318	50.0	660016.0	0.638318	Y
2	IC 410-468517/4	4.0	2.265811	50.0	659477.0	0.566453	Y
3	IC 410-468517/5	10.0	7.274907	50.0	644888.0	0.727491	Y
4	IC 410-468517/6	20.0	14.291879	50.0	653497.0	0.714594	Y
5	ICIS 410-468517/7	50.0	34.761705	50.0	639061.0	0.695234	Y
6	IC 410-468517/8	100.0	71.127101	50.0	670428.0	0.711271	Y
7	IC 410-468517/9	300.0	201.553966	50.0	632800.0	0.671847	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

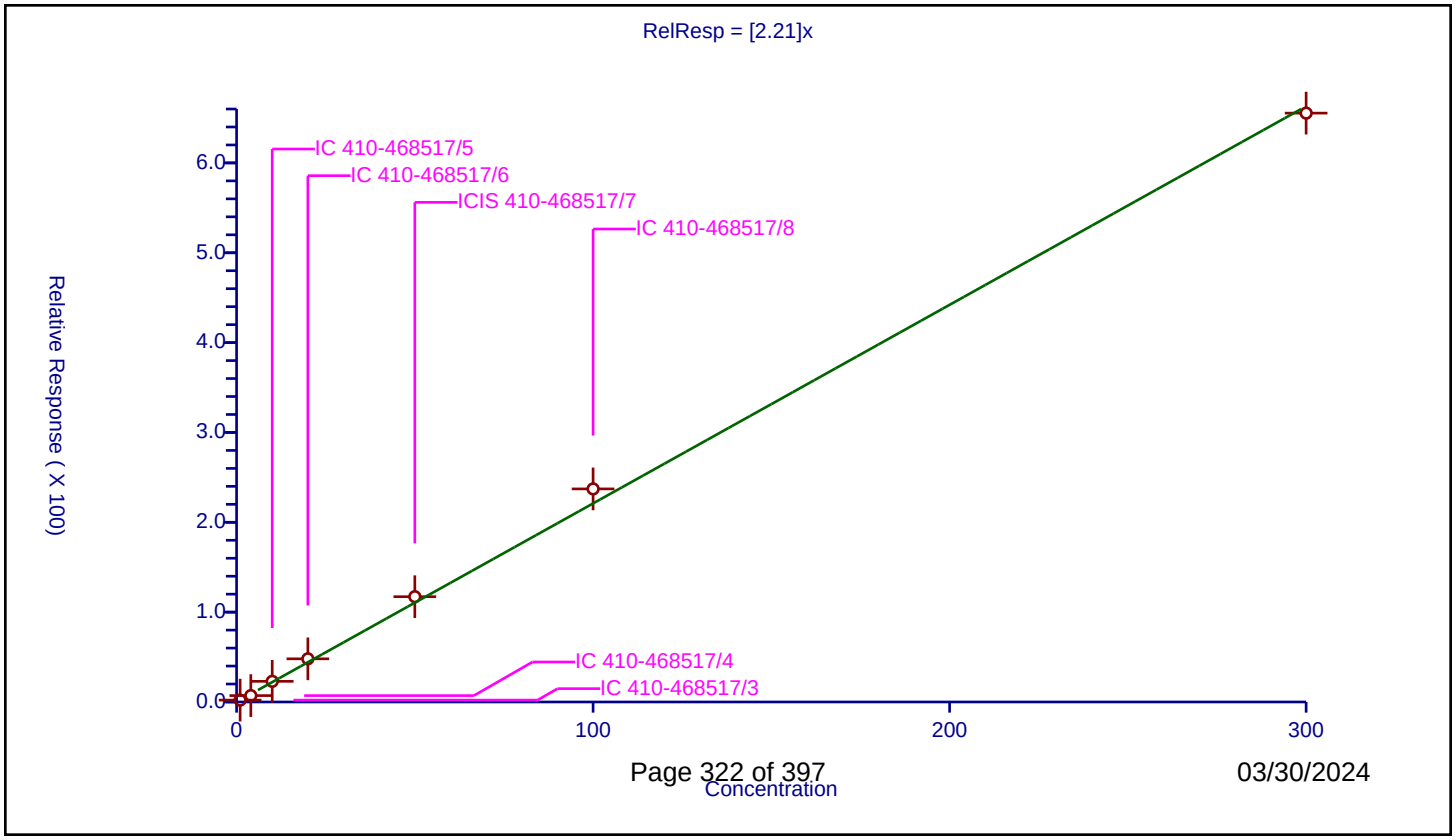
Curve Coefficients

Intercept:	0
Slope:	2.21

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	2.092525	50.0	660016.0	2.092525	Y
2	IC 410-468517/4	4.0	7.110104	50.0	659477.0	1.777526	Y
3	IC 410-468517/5	10.0	22.990194	50.0	644888.0	2.299019	Y
4	IC 410-468517/6	20.0	48.037405	50.0	653497.0	2.40187	Y
5	ICIS 410-468517/7	50.0	117.195463	50.0	639061.0	2.343909	Y
6	IC 410-468517/8	100.0	237.168421	50.0	670428.0	2.371684	Y
7	IC 410-468517/9	300.0	655.421934	50.0	632800.0	2.18474	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

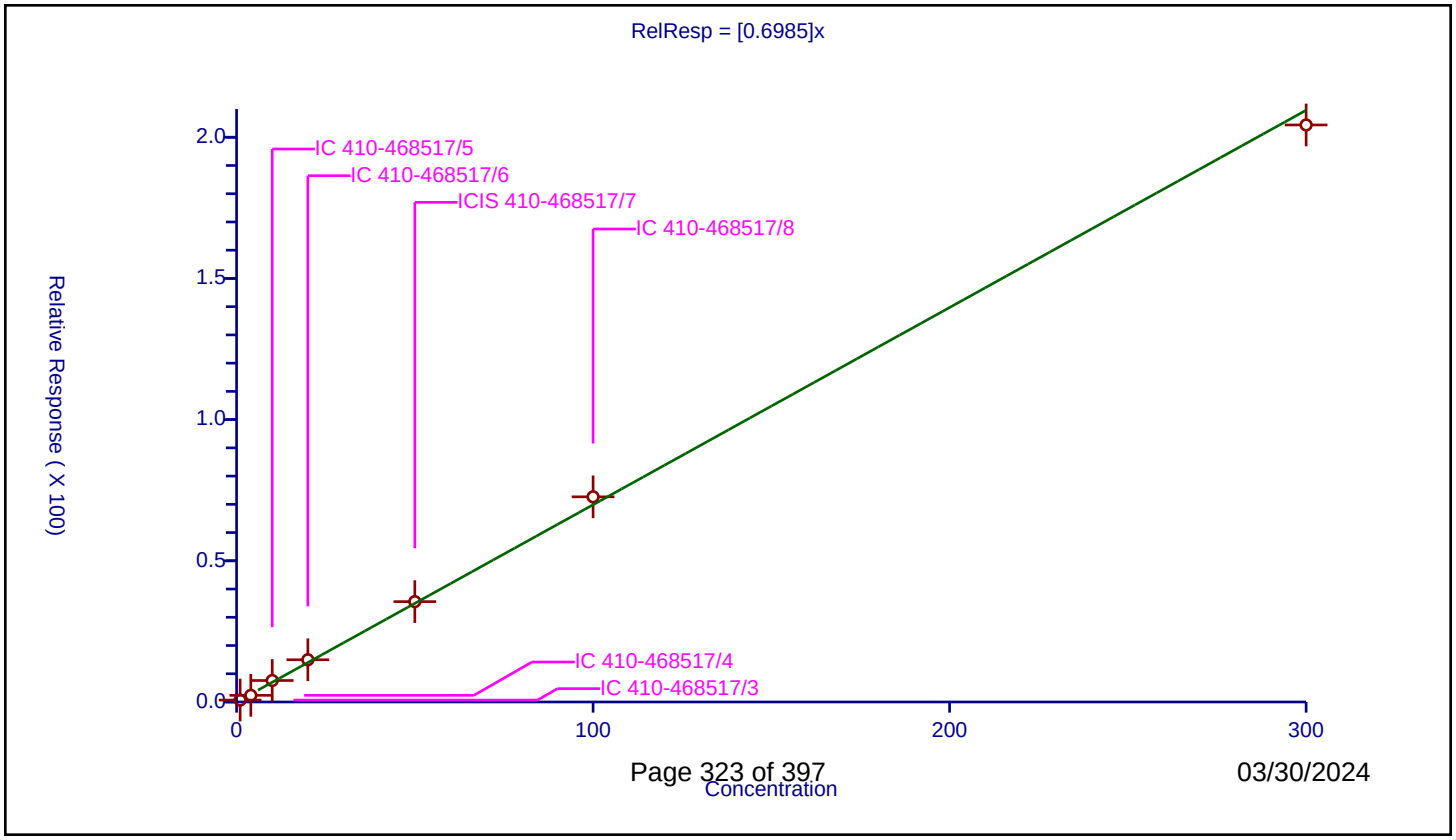
Curve Coefficients

Intercept:	0
Slope:	0.6985

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.674529	50.0	660016.0	0.674529	Y
2	IC 410-468517/4	4.0	2.352622	50.0	659477.0	0.588155	Y
3	IC 410-468517/5	10.0	7.609228	50.0	644888.0	0.760923	Y
4	IC 410-468517/6	20.0	14.952326	50.0	653497.0	0.747616	Y
5	ICIS 410-468517/7	50.0	35.541912	50.0	639061.0	0.710838	Y
6	IC 410-468517/8	100.0	72.65769	50.0	670428.0	0.726577	Y
7	IC 410-468517/9	300.0	204.35659	50.0	632800.0	0.681189	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

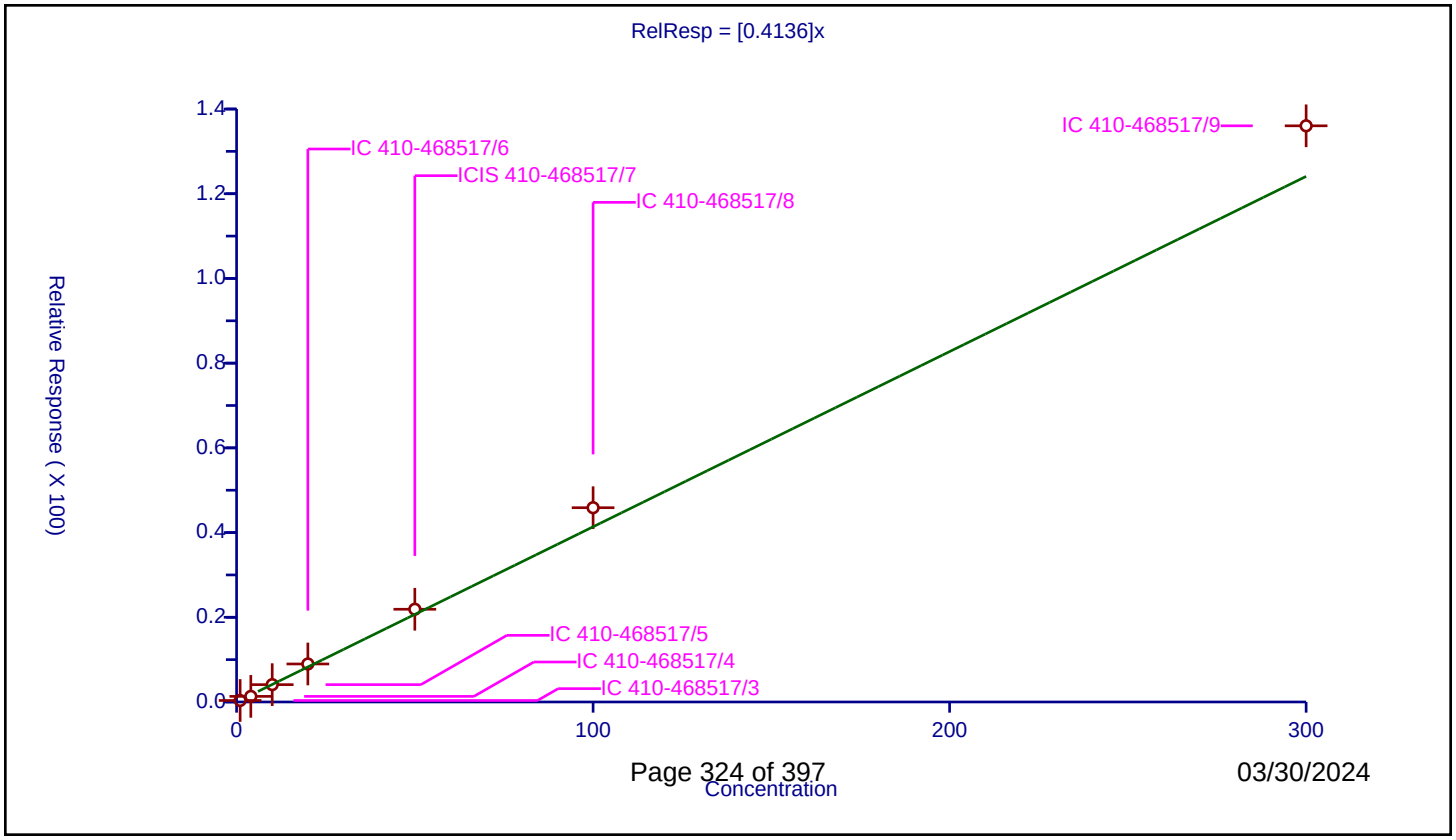
Curve Coefficients

Intercept:	0
Slope:	0.4136

Error Coefficients

Relative Standard Deviation:	12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.355825	50.0	660016.0	0.355825	Y
2	IC 410-468517/4	4.0	1.325141	50.0	659477.0	0.331285	Y
3	IC 410-468517/5	10.0	4.096215	50.0	644888.0	0.409622	Y
4	IC 410-468517/6	20.0	8.973951	50.0	653497.0	0.448698	Y
5	ICIS 410-468517/7	50.0	21.894936	50.0	639061.0	0.437899	Y
6	IC 410-468517/8	100.0	45.868758	50.0	670428.0	0.458688	Y
7	IC 410-468517/9	300.0	136.03121	50.0	632800.0	0.453437	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

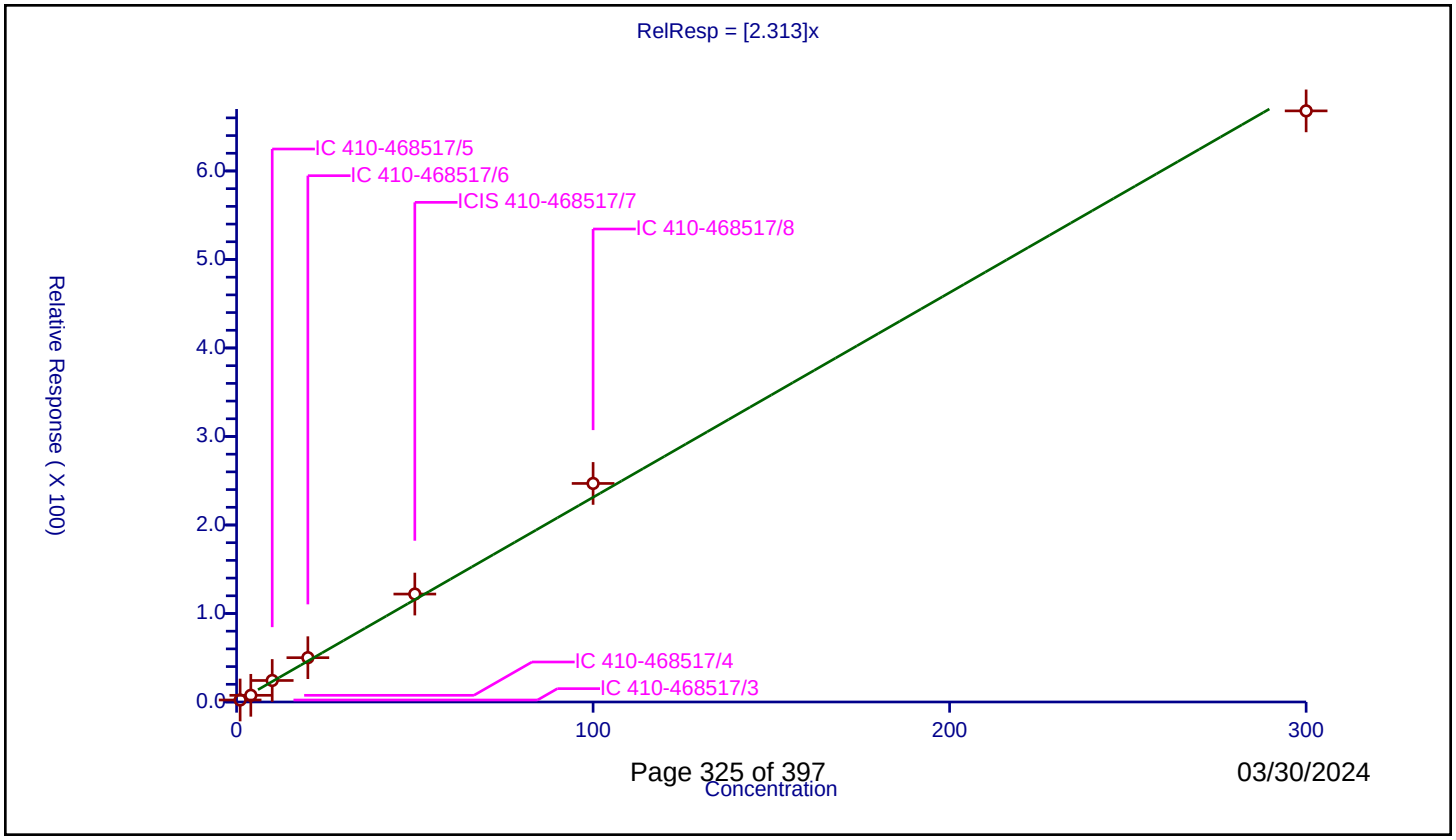
Curve Coefficients

Intercept:	0
Slope:	2.313

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	2.237143	50.0	660016.0	2.237143	Y
2	IC 410-468517/4	4.0	7.53673	50.0	659477.0	1.884182	Y
3	IC 410-468517/5	10.0	24.300421	50.0	644888.0	2.430042	Y
4	IC 410-468517/6	20.0	50.059373	50.0	653497.0	2.502969	Y
5	ICIS 410-468517/7	50.0	121.959719	50.0	639061.0	2.439194	Y
6	IC 410-468517/8	100.0	246.941282	50.0	670428.0	2.469413	Y
7	IC 410-468517/9	300.0	667.893884	50.0	632800.0	2.226313	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

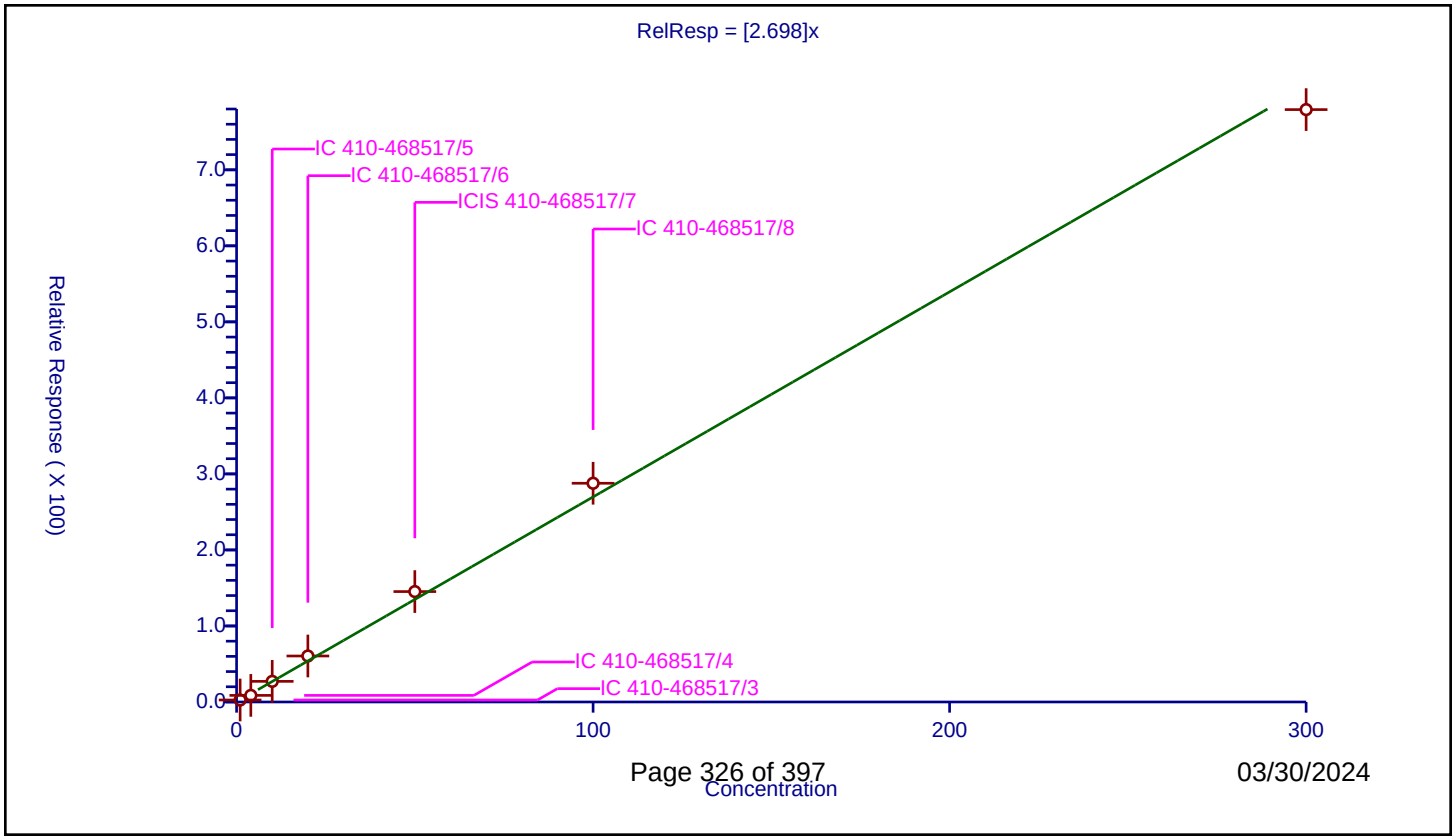
Curve Coefficients

Intercept:	0
Slope:	2.698

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	2.596679	50.0	660016.0	2.596679	Y
2	IC 410-468517/4	4.0	8.677786	50.0	659477.0	2.169446	Y
3	IC 410-468517/5	10.0	27.119825	50.0	644888.0	2.711983	Y
4	IC 410-468517/6	20.0	60.505404	50.0	653497.0	3.02527	Y
5	ICIS 410-468517/7	50.0	145.231206	50.0	639061.0	2.904624	Y
6	IC 410-468517/8	100.0	287.71628	50.0	670428.0	2.877163	Y
7	IC 410-468517/9	300.0	779.21318	50.0	632800.0	2.597377	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

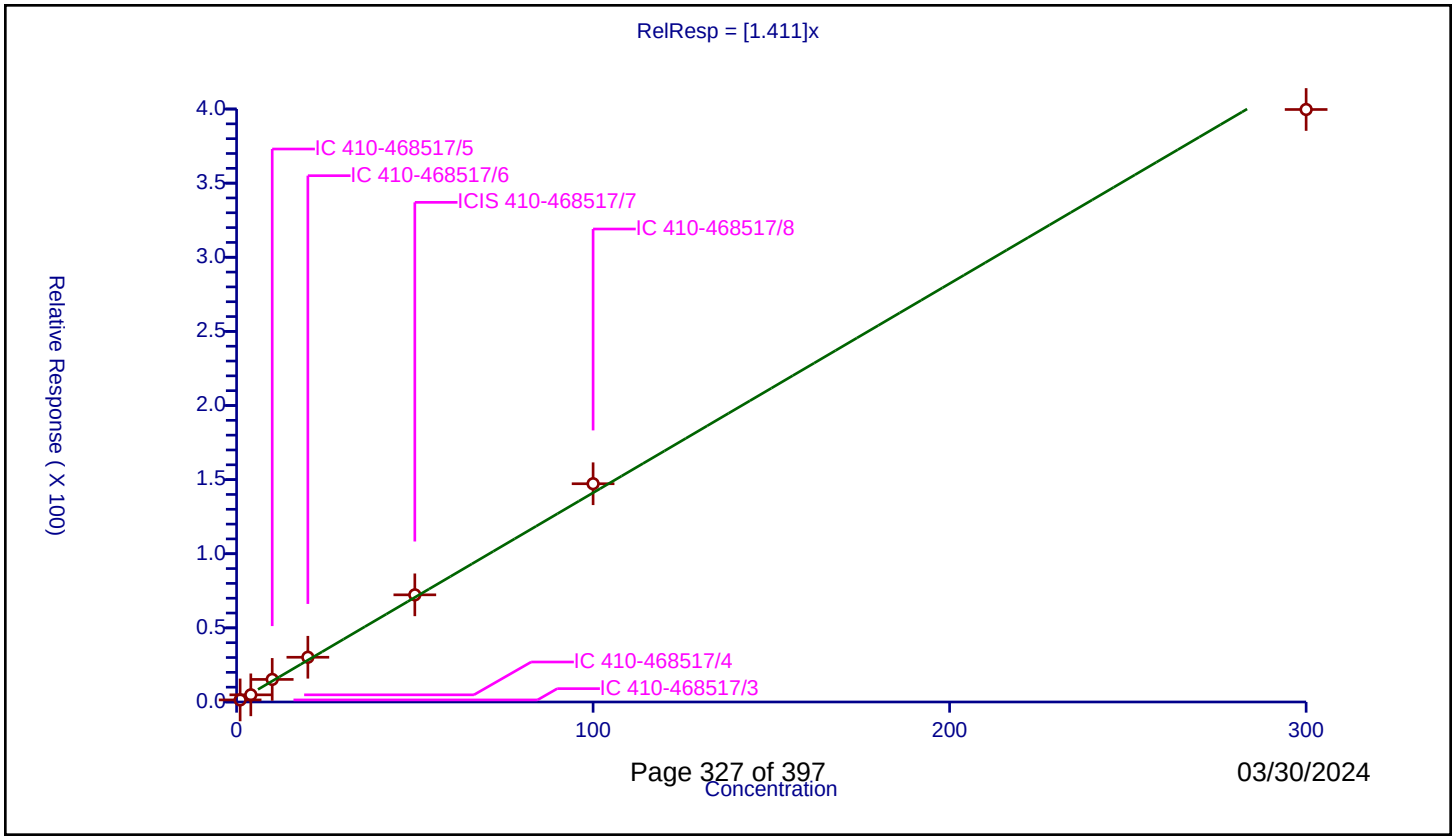
Curve Coefficients

Intercept:	0
Slope:	1.411

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	1.389739	50.0	660016.0	1.389739	Y
2	IC 410-468517/4	4.0	4.829964	50.0	659477.0	1.207491	Y
3	IC 410-468517/5	10.0	15.224116	50.0	644888.0	1.522412	Y
4	IC 410-468517/6	20.0	30.171753	50.0	653497.0	1.508588	Y
5	ICIS 410-468517/7	50.0	72.277529	50.0	639061.0	1.445551	Y
6	IC 410-468517/8	100.0	147.230575	50.0	670428.0	1.472306	Y
7	IC 410-468517/9	300.0	399.671302	50.0	632800.0	1.332238	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

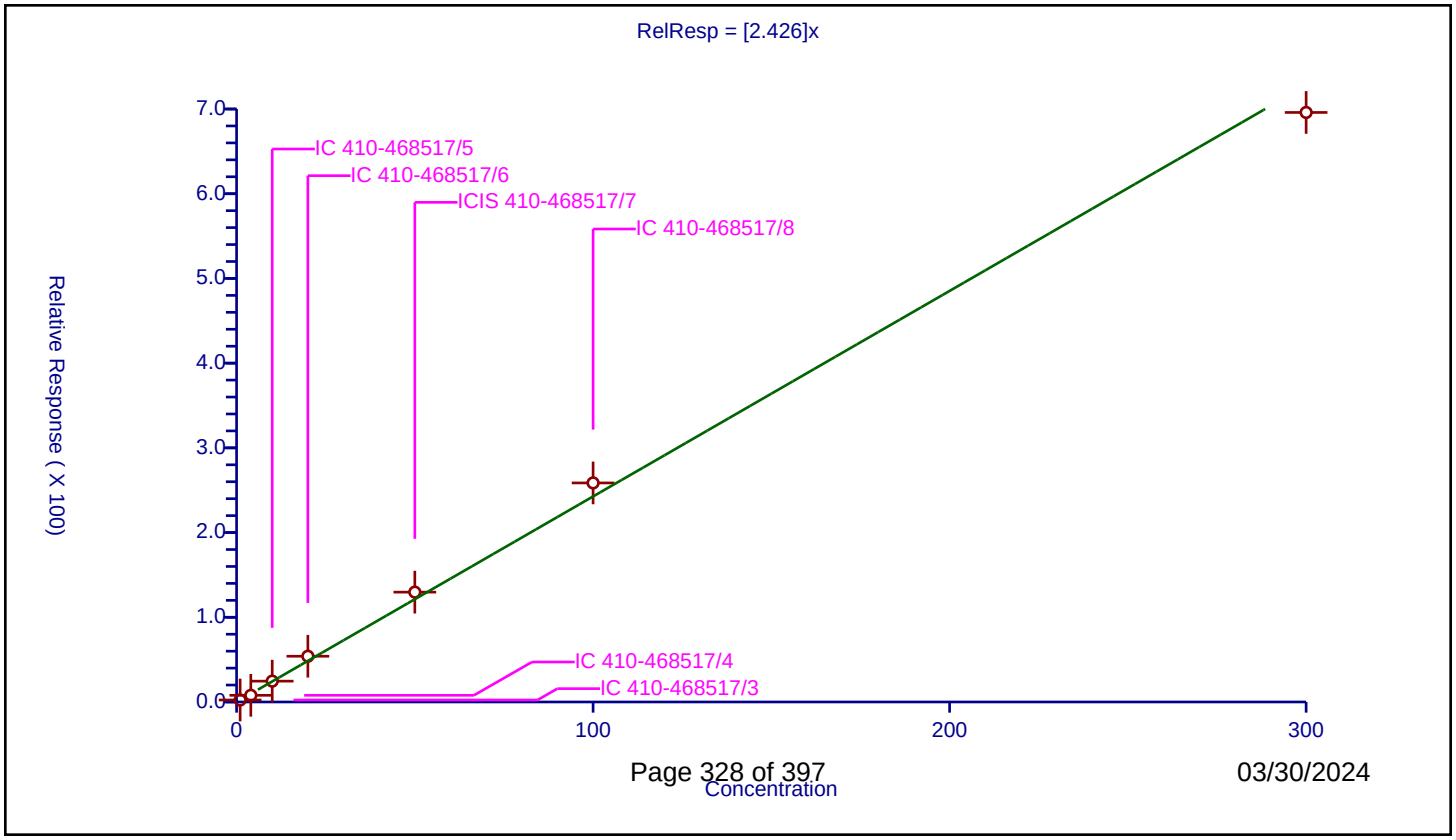
Curve Coefficients

Intercept:	0
Slope:	2.426

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	2.354716	50.0	660016.0	2.354716	Y
2	IC 410-468517/4	4.0	7.875635	50.0	659477.0	1.968909	Y
3	IC 410-468517/5	10.0	24.609002	50.0	644888.0	2.4609	Y
4	IC 410-468517/6	20.0	53.993056	50.0	653497.0	2.699653	Y
5	ICIS 410-468517/7	50.0	129.694505	50.0	639061.0	2.59389	Y
6	IC 410-468517/8	100.0	258.605548	50.0	670428.0	2.586055	Y
7	IC 410-468517/9	300.0	695.947456	50.0	632800.0	2.319825	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

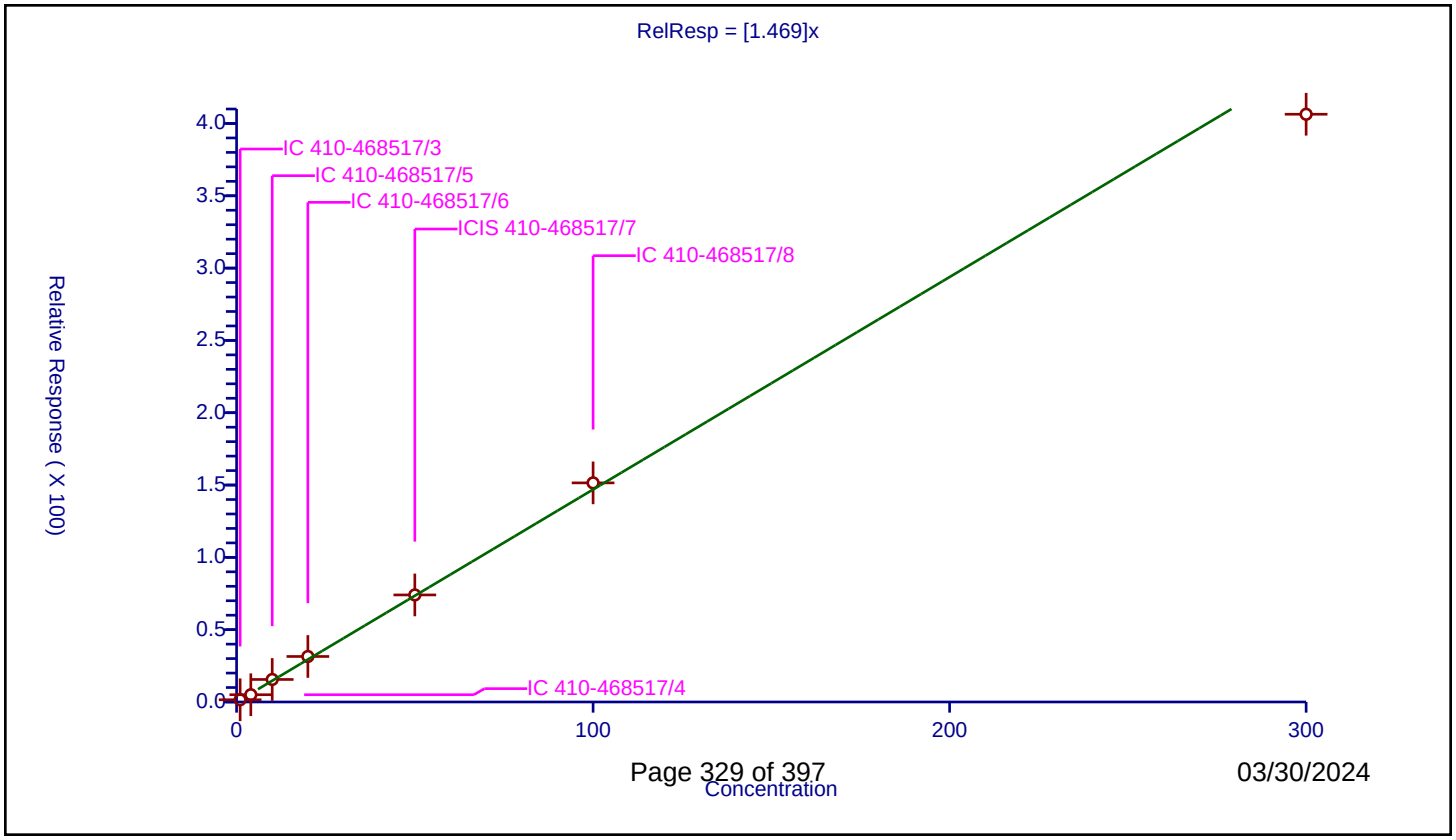
Curve Coefficients

Intercept:	0
Slope:	1.469

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	1.545796	50.0	660016.0	1.545796	Y
2	IC 410-468517/4	4.0	5.033003	50.0	659477.0	1.258251	Y
3	IC 410-468517/5	10.0	15.566036	50.0	644888.0	1.556604	Y
4	IC 410-468517/6	20.0	31.466556	50.0	653497.0	1.573328	Y
5	ICIS 410-468517/7	50.0	74.019695	50.0	639061.0	1.480394	Y
6	IC 410-468517/8	100.0	151.491734	50.0	670428.0	1.514917	Y
7	IC 410-468517/9	300.0	406.383375	50.0	632800.0	1.354611	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

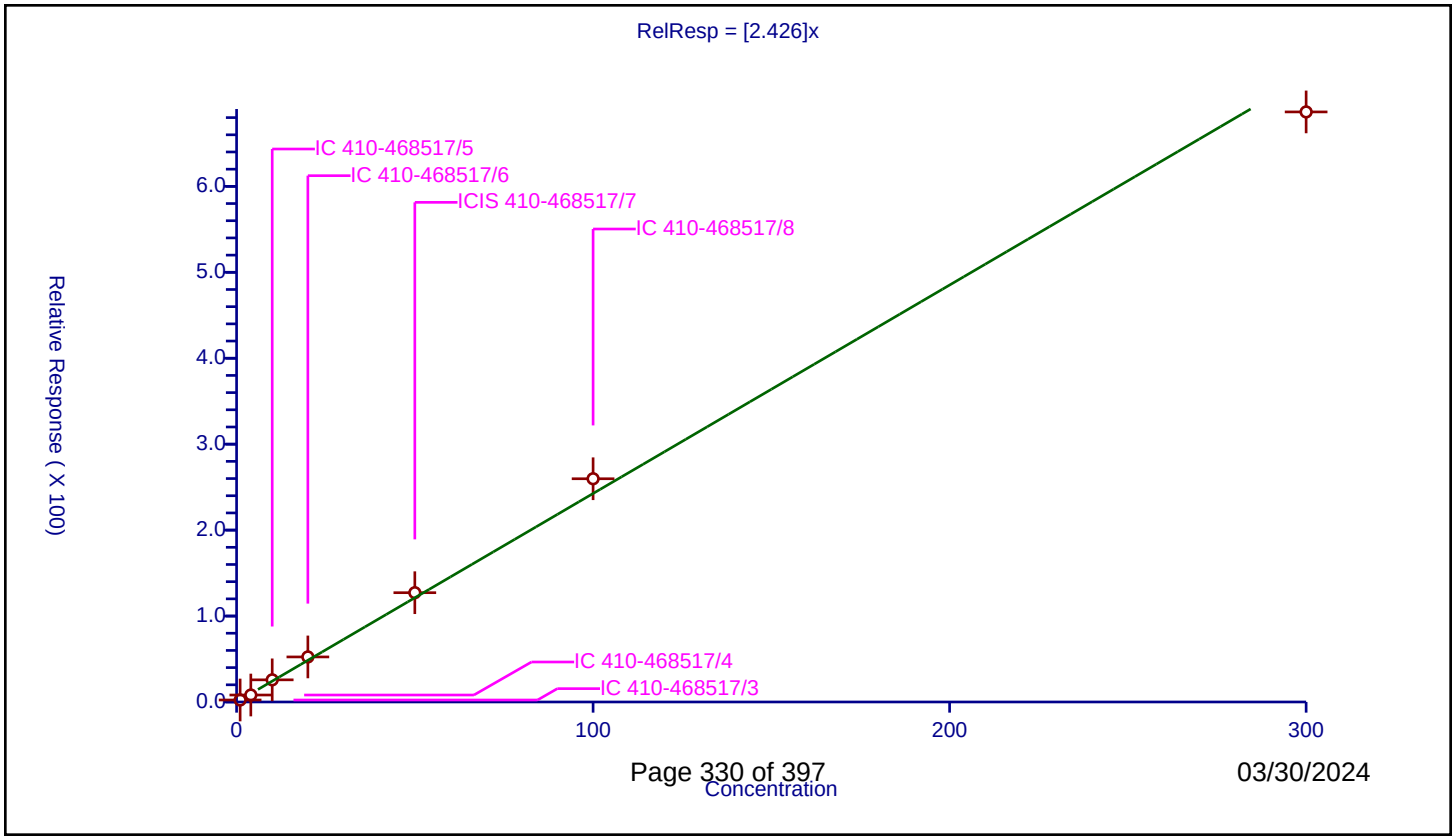
Curve Coefficients

Intercept:	0
Slope:	2.426

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	2.321762	50.0	660016.0	2.321762	Y
2	IC 410-468517/4	4.0	8.118024	50.0	659477.0	2.029506	Y
3	IC 410-468517/5	10.0	25.784865	50.0	644888.0	2.578486	Y
4	IC 410-468517/6	20.0	52.423194	50.0	653497.0	2.62116	Y
5	ICIS 410-468517/7	50.0	127.172445	50.0	639061.0	2.543449	Y
6	IC 410-468517/8	100.0	259.78017	50.0	670428.0	2.597802	Y
7	IC 410-468517/9	300.0	686.629978	50.0	632800.0	2.288767	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

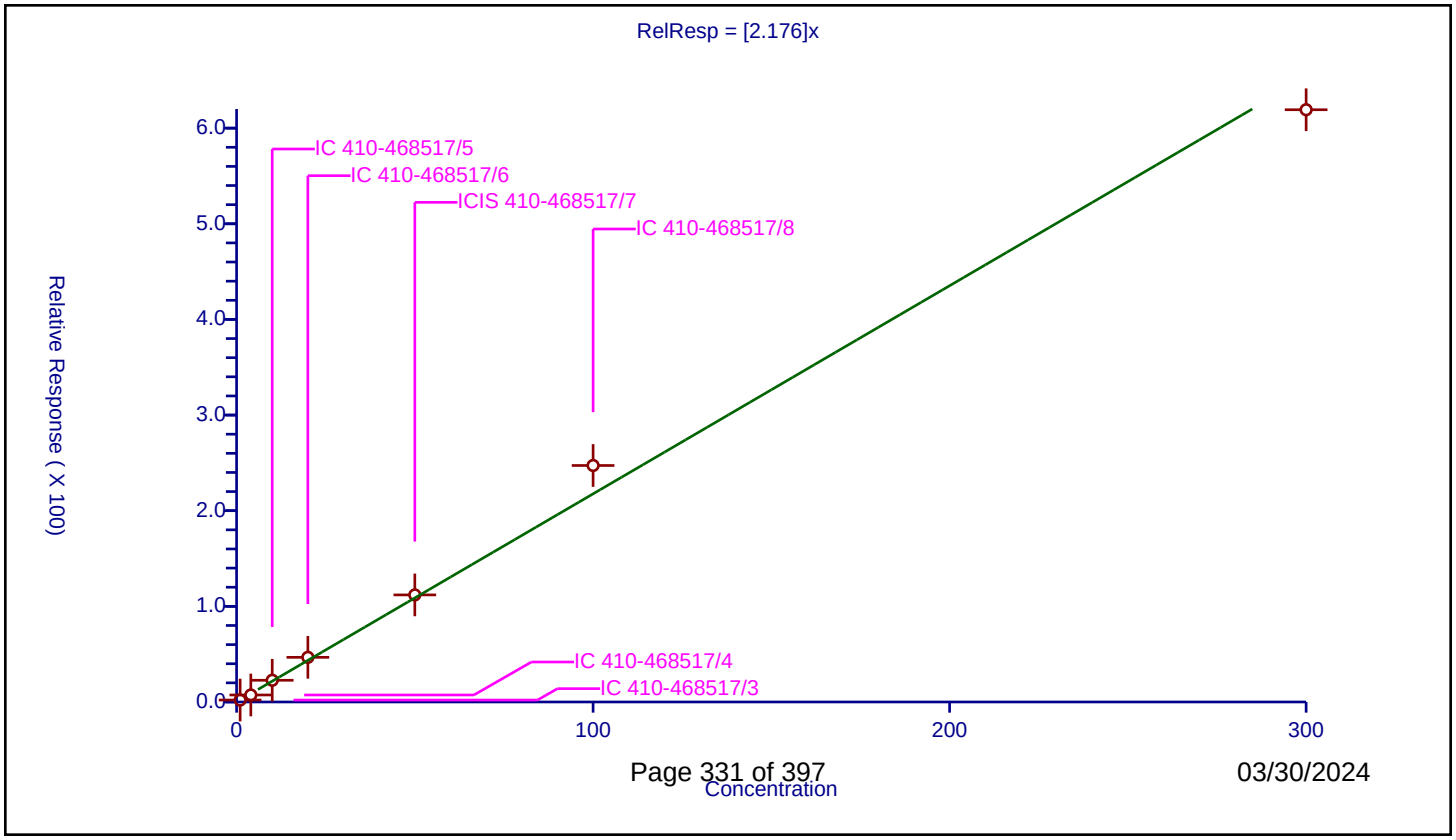
Curve Coefficients

Intercept:	0
Slope:	2.176

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	2.021466	50.0	660016.0	2.021466	Y
2	IC 410-468517/4	4.0	7.319891	50.0	659477.0	1.829973	Y
3	IC 410-468517/5	10.0	22.705416	50.0	644888.0	2.270542	Y
4	IC 410-468517/6	20.0	46.701056	50.0	653497.0	2.335053	Y
5	ICIS 410-468517/7	50.0	111.972253	50.0	639061.0	2.239445	Y
6	IC 410-468517/8	100.0	247.271743	50.0	670428.0	2.472717	Y
7	IC 410-468517/9	300.0	619.249921	50.0	632800.0	2.064166	Y



Calibration / 1,3-Diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

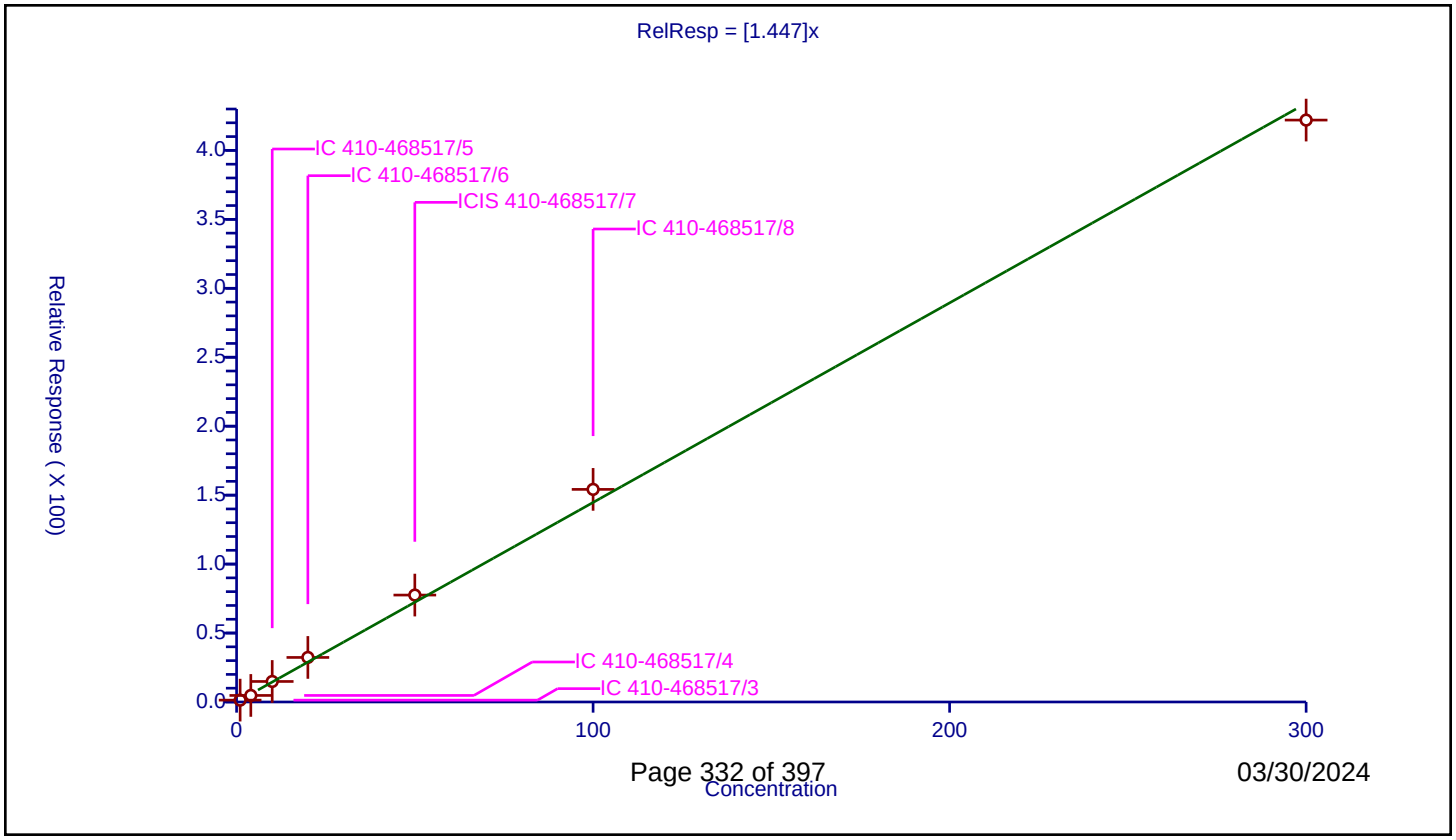
Curve Coefficients

Intercept:	0
Slope:	1.447

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	1.340422	50.0	660016.0	1.340422	Y
2	IC 410-468517/4	4.0	4.7452	50.0	659477.0	1.1863	Y
3	IC 410-468517/5	10.0	14.879018	50.0	644888.0	1.487902	Y
4	IC 410-468517/6	20.0	32.311242	50.0	653497.0	1.615562	Y
5	ICIS 410-468517/7	50.0	77.538842	50.0	639061.0	1.550777	Y
6	IC 410-468517/8	100.0	154.173528	50.0	670428.0	1.541735	Y
7	IC 410-468517/9	300.0	421.983091	50.0	632800.0	1.40661	Y



Calibration / p-Diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

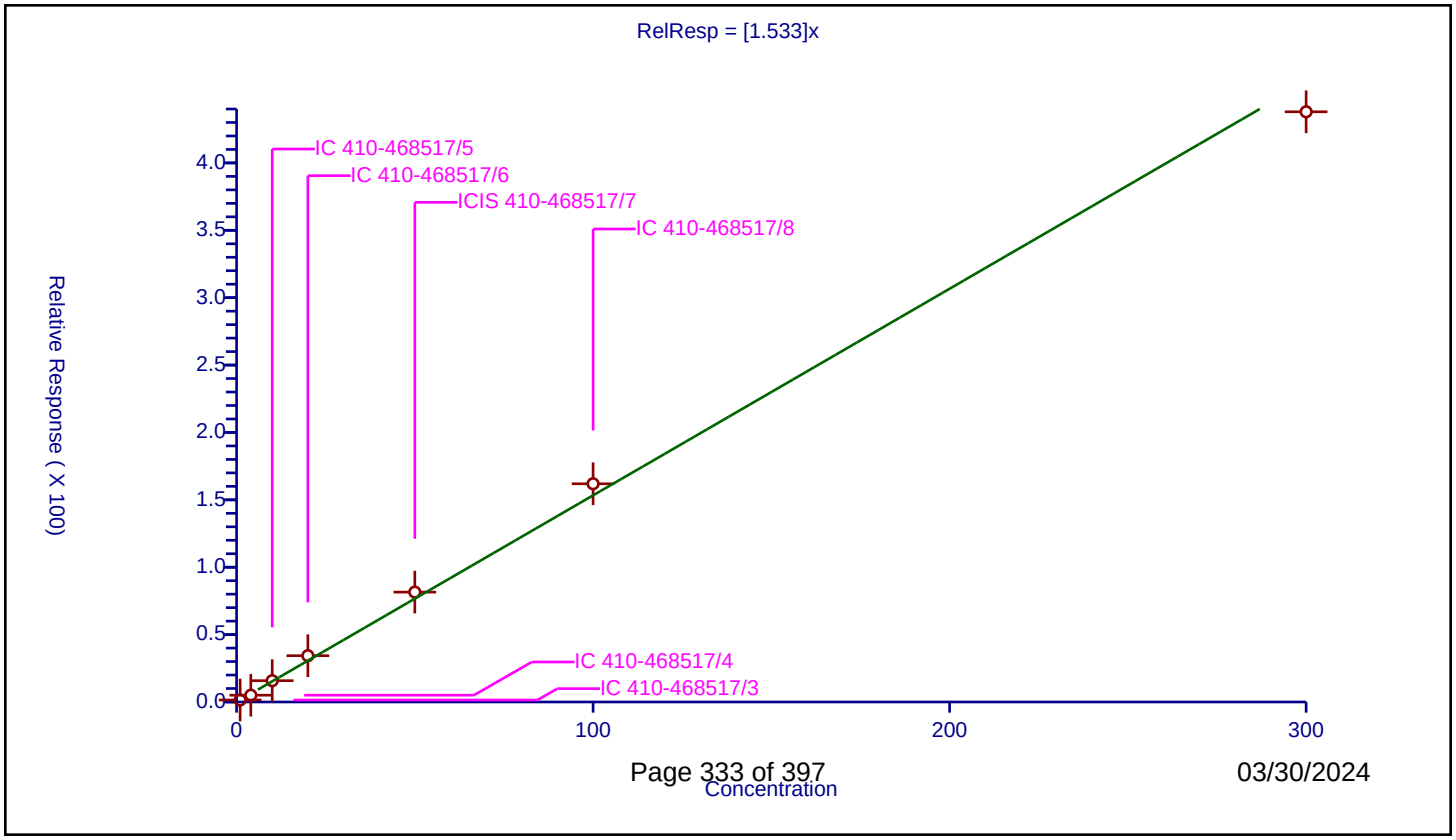
Curve Coefficients

Intercept:	0
Slope:	1.533

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	1.469434	50.0	660016.0	1.469434	Y
2	IC 410-468517/4	4.0	5.028909	50.0	659477.0	1.257227	Y
3	IC 410-468517/5	10.0	15.791114	50.0	644888.0	1.579111	Y
4	IC 410-468517/6	20.0	34.334205	50.0	653497.0	1.71671	Y
5	ICIS 410-468517/7	50.0	81.523908	50.0	639061.0	1.630478	Y
6	IC 410-468517/8	100.0	161.932005	50.0	670428.0	1.61932	Y
7	IC 410-468517/9	300.0	437.943189	50.0	632800.0	1.459811	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

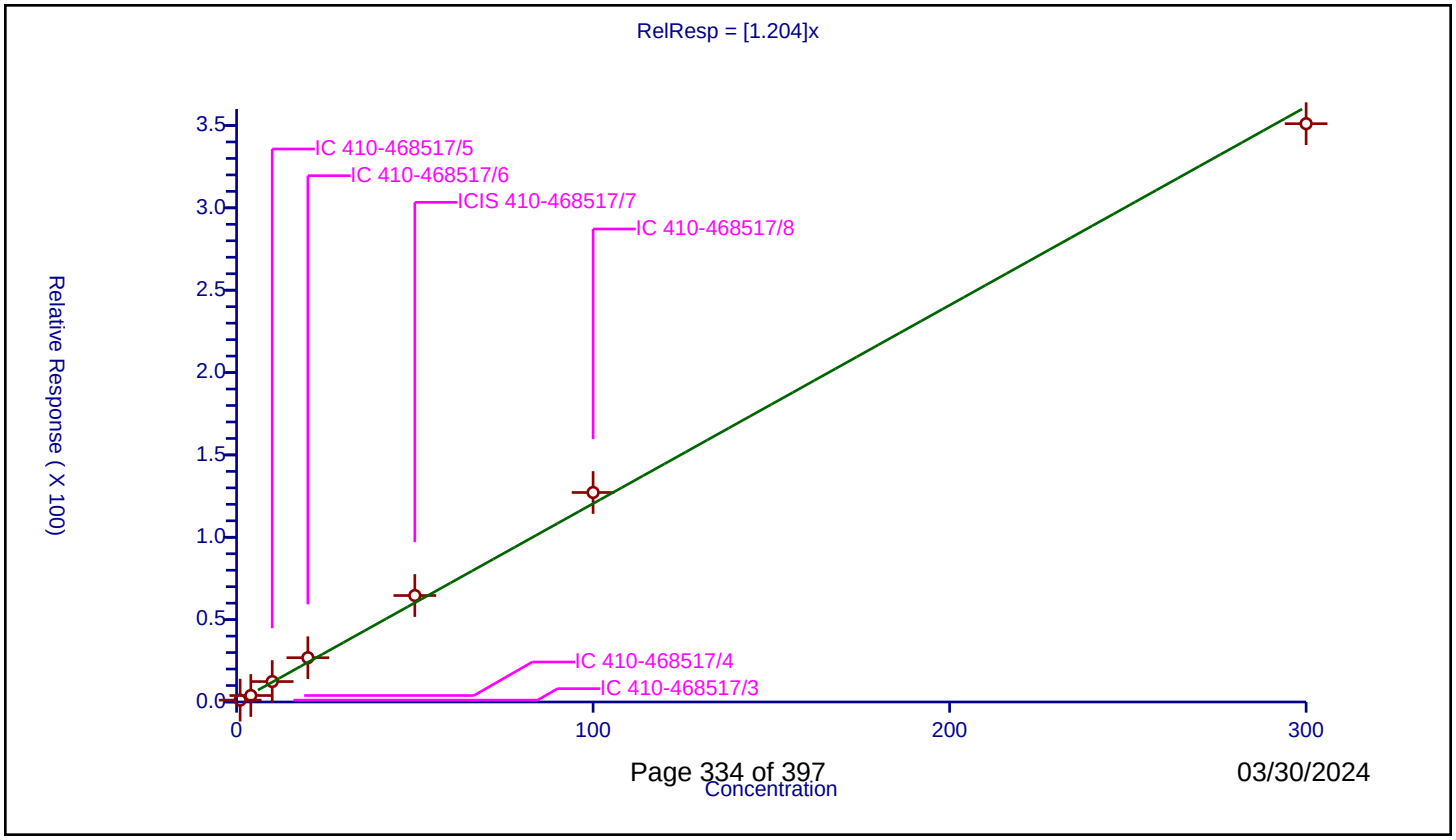
Curve Coefficients

Intercept:	0
Slope:	1.204

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	1.128457	50.0	660016.0	1.128457	Y
2	IC 410-468517/4	4.0	3.932359	50.0	659477.0	0.98309	Y
3	IC 410-468517/5	10.0	12.401378	50.0	644888.0	1.240138	Y
4	IC 410-468517/6	20.0	26.884745	50.0	653497.0	1.344237	Y
5	ICIS 410-468517/7	50.0	64.643047	50.0	639061.0	1.292861	Y
6	IC 410-468517/8	100.0	127.200385	50.0	670428.0	1.272004	Y
7	IC 410-468517/9	300.0	351.100427	50.0	632800.0	1.170335	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

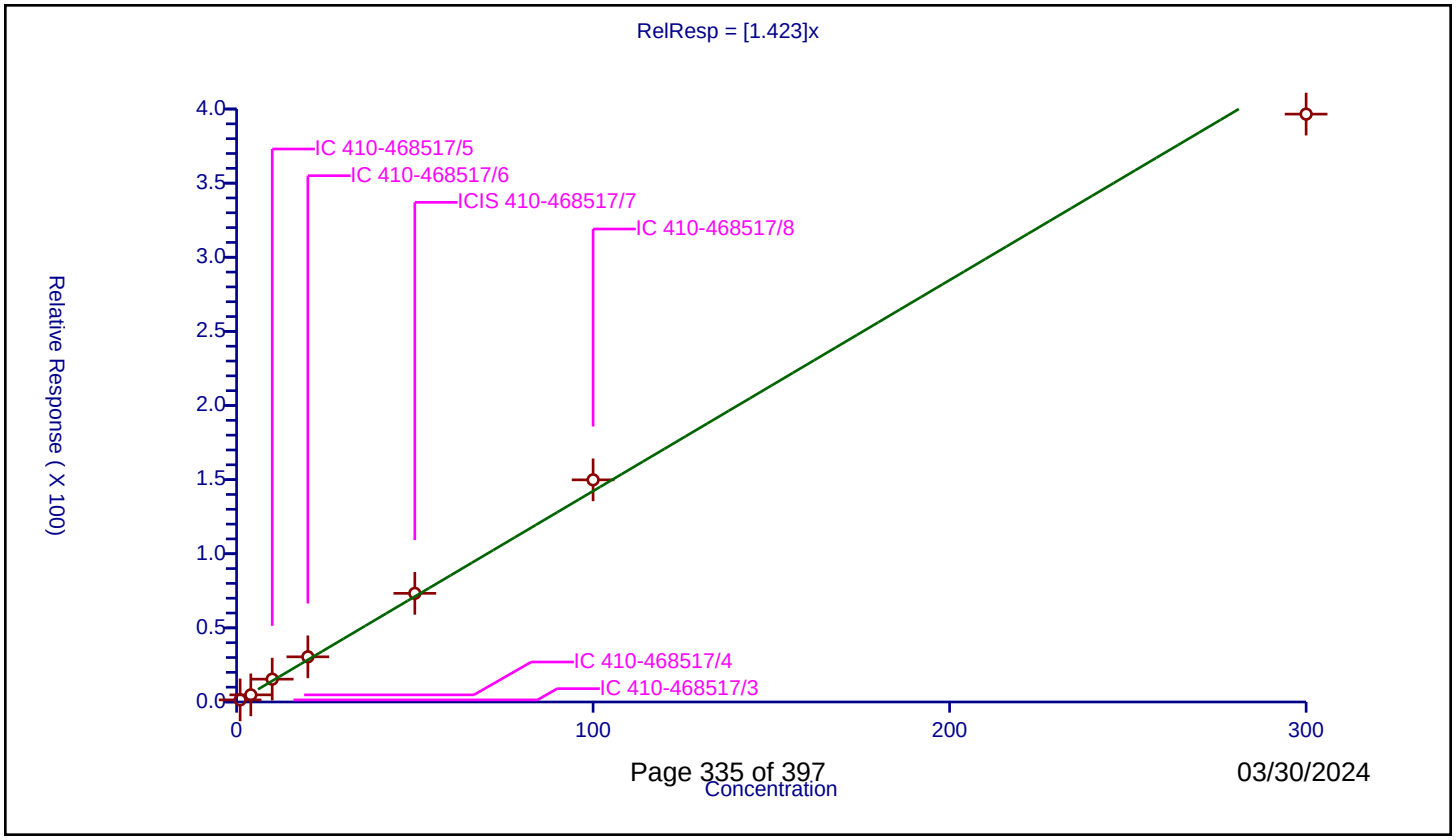
Curve Coefficients

Intercept:	0
Slope:	1.423

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	1.405269	50.0	660016.0	1.405269	Y
2	IC 410-468517/4	4.0	4.818364	50.0	659477.0	1.204591	Y
3	IC 410-468517/5	10.0	15.406319	50.0	644888.0	1.540632	Y
4	IC 410-468517/6	20.0	30.46066	50.0	653497.0	1.523033	Y
5	ICIS 410-468517/7	50.0	73.293551	50.0	639061.0	1.465871	Y
6	IC 410-468517/8	100.0	149.850245	50.0	670428.0	1.498502	Y
7	IC 410-468517/9	300.0	396.57293	50.0	632800.0	1.32191	Y



Calibration / o-diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

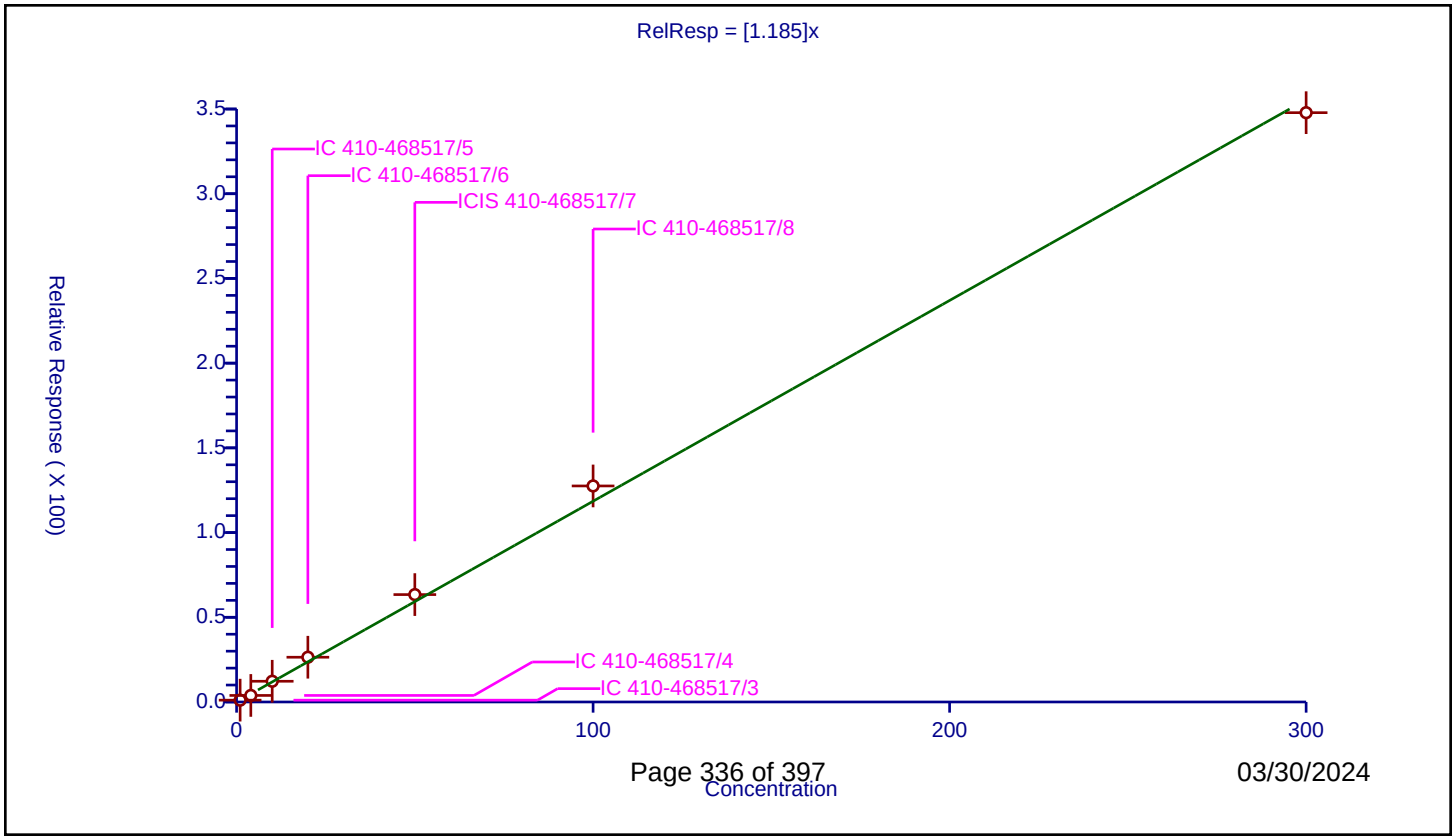
Curve Coefficients

Intercept:	0
Slope:	1.185

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	1.083307	50.0	660016.0	1.083307	Y
2	IC 410-468517/4	4.0	3.85692	50.0	659477.0	0.96423	Y
3	IC 410-468517/5	10.0	12.237164	50.0	644888.0	1.223716	Y
4	IC 410-468517/6	20.0	26.420397	50.0	653497.0	1.32102	Y
5	ICIS 410-468517/7	50.0	63.395044	50.0	639061.0	1.267901	Y
6	IC 410-468517/8	100.0	127.52391	50.0	670428.0	1.275239	Y
7	IC 410-468517/9	300.0	347.836836	50.0	632800.0	1.159456	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

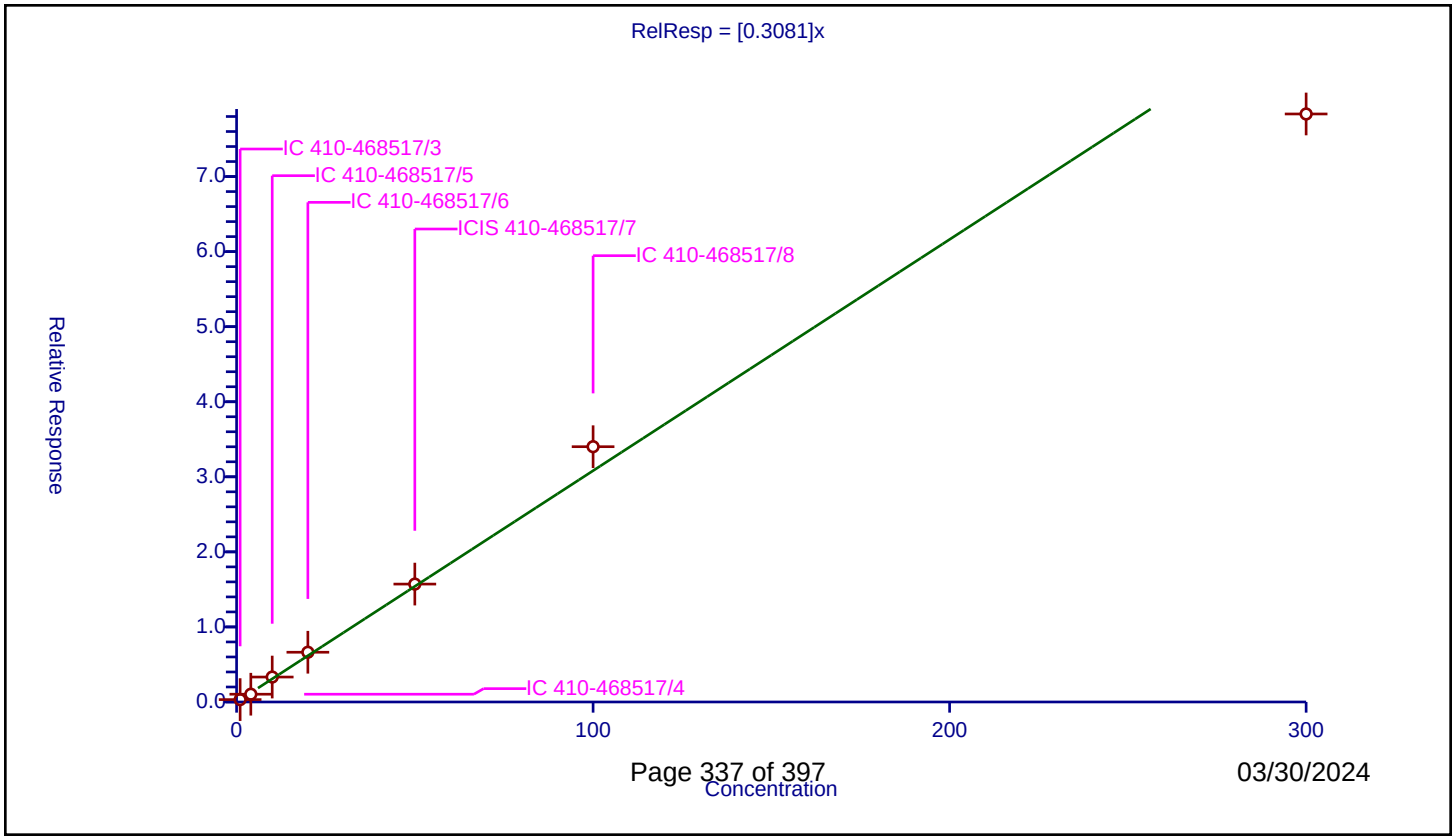
Curve Coefficients

Intercept:	0
Slope:	0.3081

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.318856	50.0	660016.0	0.318856	Y
2	IC 410-468517/4	4.0	1.034608	50.0	659477.0	0.258652	Y
3	IC 410-468517/5	10.0	3.324918	50.0	644888.0	0.332492	Y
4	IC 410-468517/6	20.0	6.627727	50.0	653497.0	0.331386	Y
5	ICIS 410-468517/7	50.0	15.707577	50.0	639061.0	0.314152	Y
6	IC 410-468517/8	100.0	34.013347	50.0	670428.0	0.340133	Y
7	IC 410-468517/9	300.0	78.340155	50.0	632800.0	0.261134	Y



Calibration / 1,3,5-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

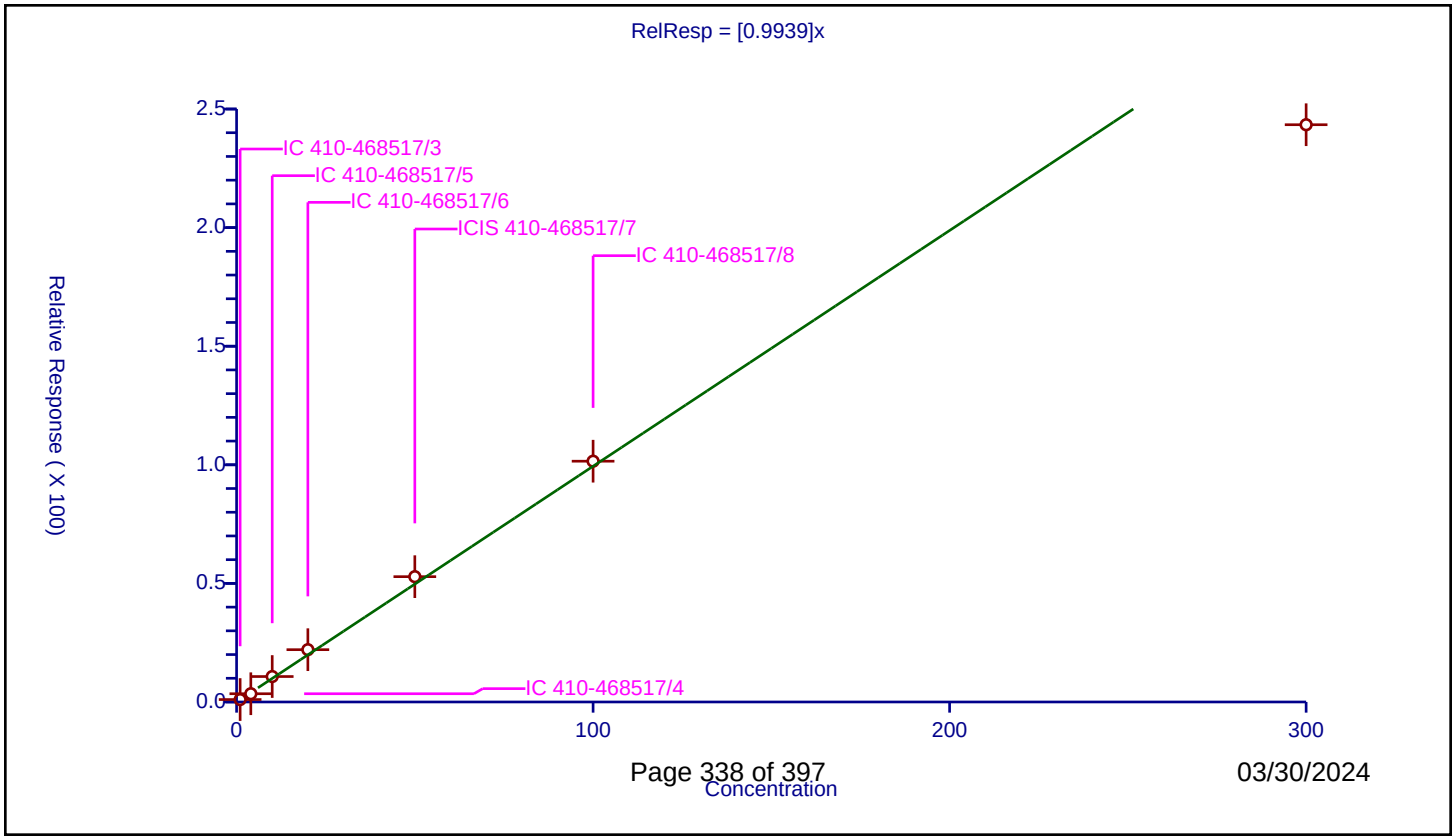
Curve Coefficients

Intercept:	0
Slope:	0.9939

Error Coefficients

Relative Standard Deviation:	11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	1.028839	50.0	660016.0	1.028839	Y
2	IC 410-468517/4	4.0	3.481016	50.0	659477.0	0.870254	Y
3	IC 410-468517/5	10.0	10.726049	50.0	644888.0	1.072605	Y
4	IC 410-468517/6	20.0	22.056337	50.0	653497.0	1.102817	Y
5	ICIS 410-468517/7	50.0	52.833219	50.0	639061.0	1.056664	Y
6	IC 410-468517/8	100.0	101.512989	50.0	670428.0	1.01513	Y
7	IC 410-468517/9	300.0	243.372946	50.0	632800.0	0.811243	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

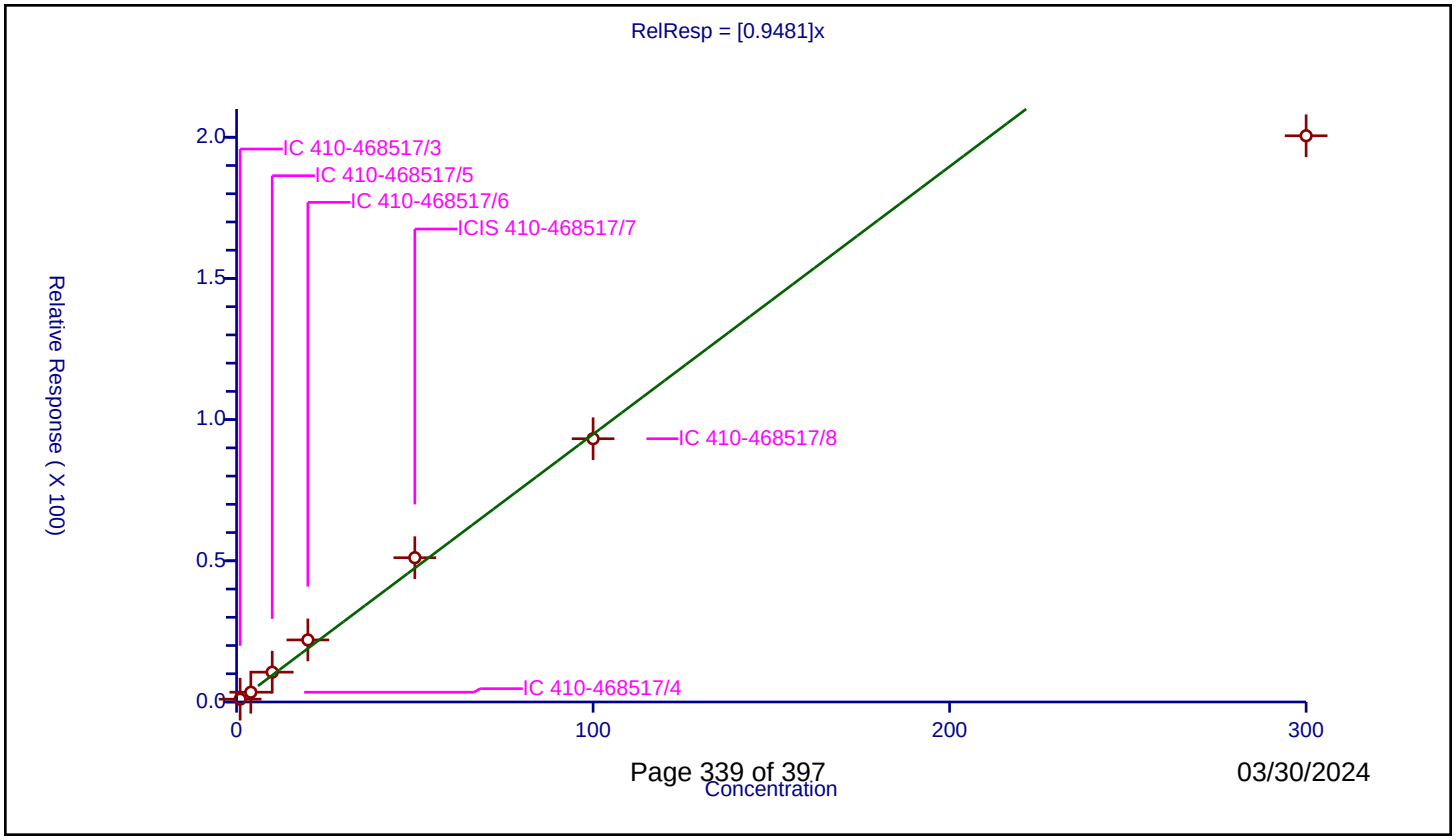
Curve Coefficients

Intercept:	0
Slope:	0.9481

Error Coefficients

Relative Standard Deviation:	15.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.995355	50.0	660016.0	0.995355	Y
2	IC 410-468517/4	4.0	3.45683	50.0	659477.0	0.864208	Y
3	IC 410-468517/5	10.0	10.559508	50.0	644888.0	1.055951	Y
4	IC 410-468517/6	20.0	21.976842	50.0	653497.0	1.098842	Y
5	ICIS 410-468517/7	50.0	51.098017	50.0	639061.0	1.02196	Y
6	IC 410-468517/8	100.0	93.230444	50.0	670428.0	0.932304	Y
7	IC 410-468517/9	300.0	200.52323	50.0	632800.0	0.668411	Y



Calibration / 2-Ethylhexyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

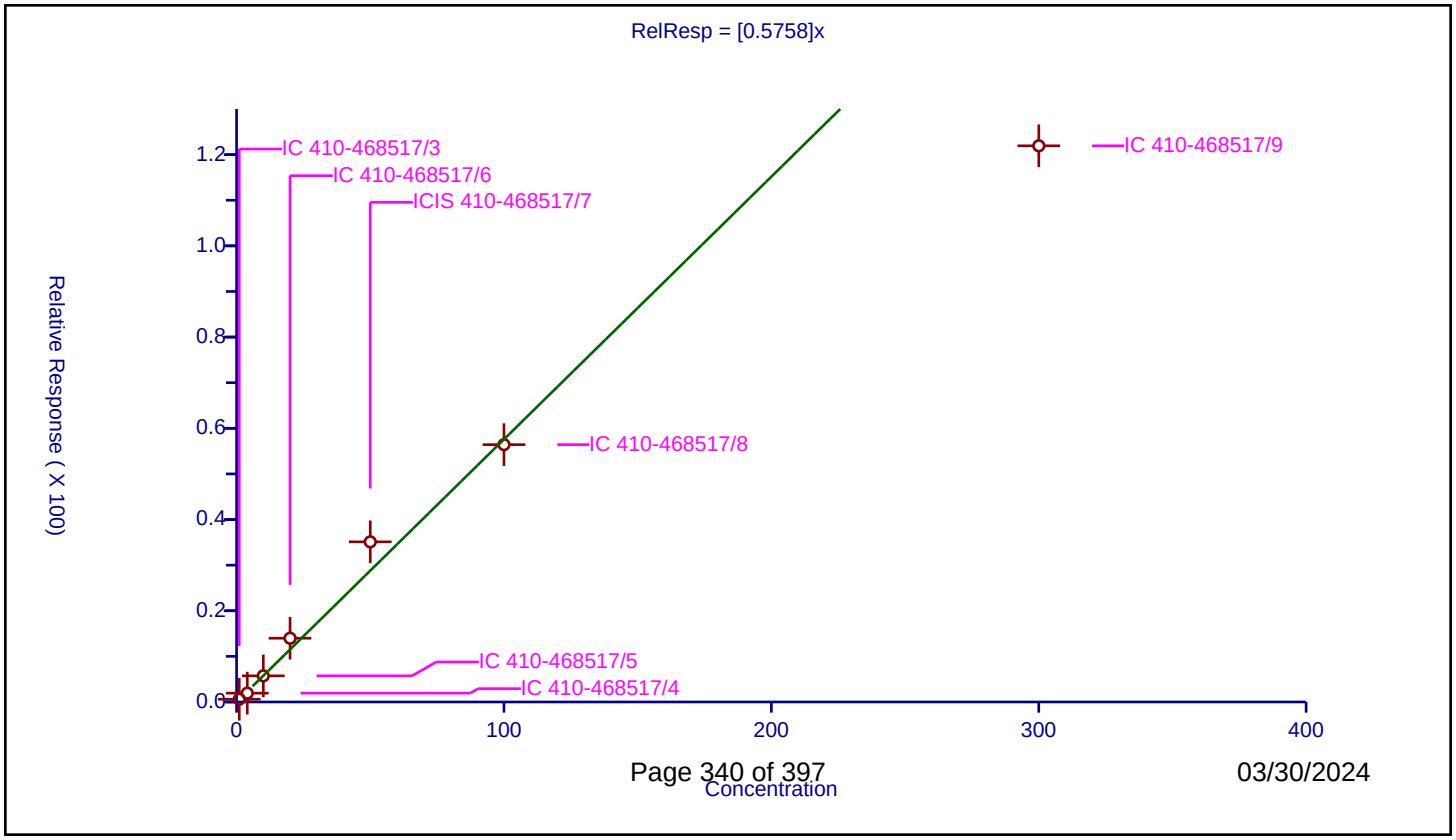
Curve Coefficients

Intercept:	0
Slope:	0.5758

Error Coefficients

Relative Standard Deviation:	18.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.00009	0.601879	50.0	660016.0	0.601825	Y
2	IC 410-468517/4	4.00036	1.938051	50.0	659477.0	0.484469	Y
3	IC 410-468517/5	10.0009	5.728902	50.0	644888.0	0.572839	Y
4	IC 410-468517/6	20.0018	13.982237	50.0	653497.0	0.699049	Y
5	ICIS 410-468517/7	50.0045	35.10862	50.0	639061.0	0.702109	Y
6	IC 410-468517/8	100.009	56.417244	50.0	670428.0	0.564122	Y
7	IC 410-468517/9	300.027	121.931811	50.0	632800.0	0.406403	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

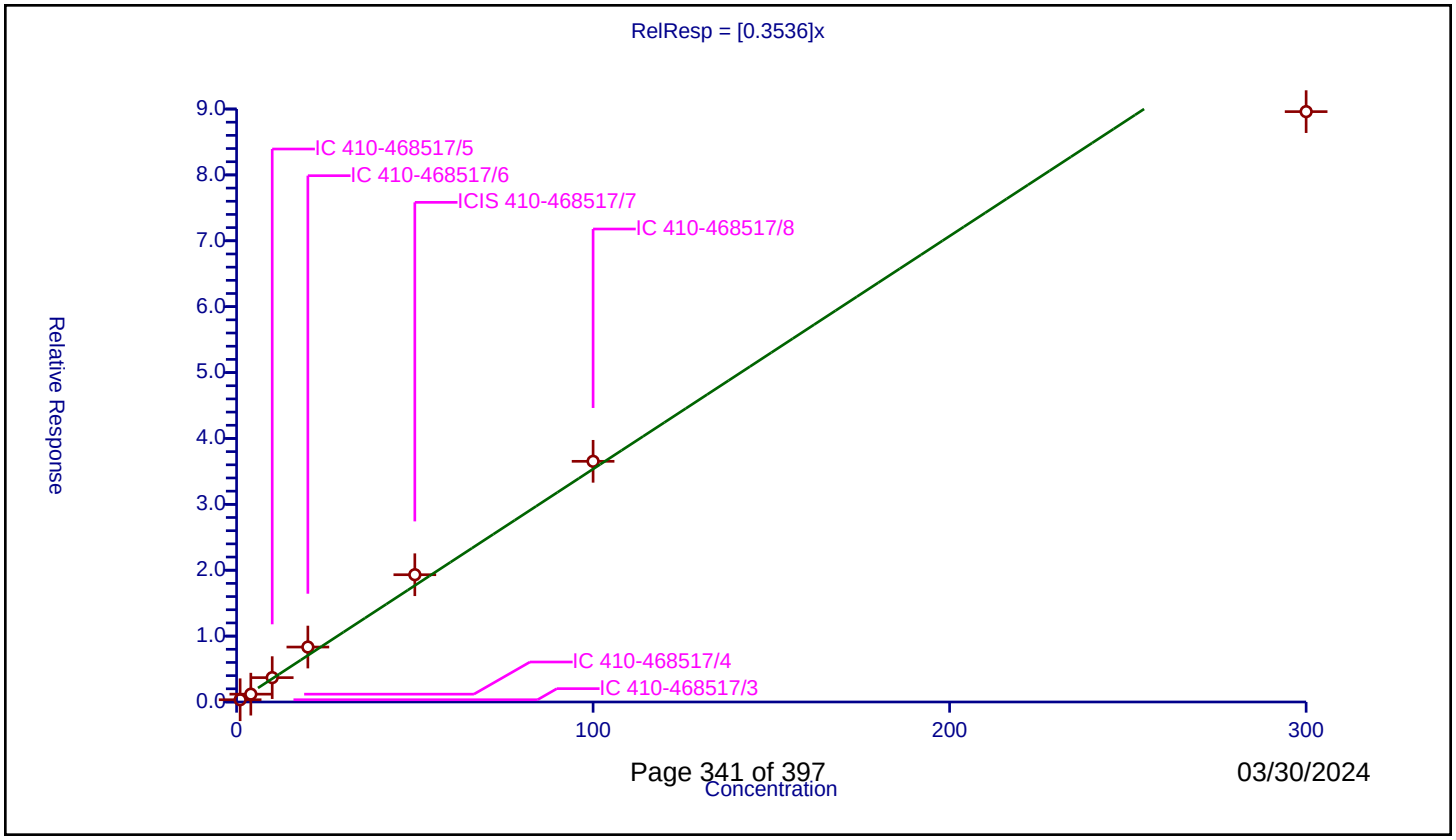
Curve Coefficients

Intercept:	0
Slope:	0.3536

Error Coefficients

Relative Standard Deviation:	12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.340749	50.0	660016.0	0.340749	Y
2	IC 410-468517/4	4.0	1.188063	50.0	659477.0	0.297016	Y
3	IC 410-468517/5	10.0	3.698239	50.0	644888.0	0.369824	Y
4	IC 410-468517/6	20.0	8.339748	50.0	653497.0	0.416987	Y
5	ICIS 410-468517/7	50.0	19.317483	50.0	639061.0	0.38635	Y
6	IC 410-468517/8	100.0	36.528009	50.0	670428.0	0.36528	Y
7	IC 410-468517/9	300.0	89.603192	50.0	632800.0	0.298677	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

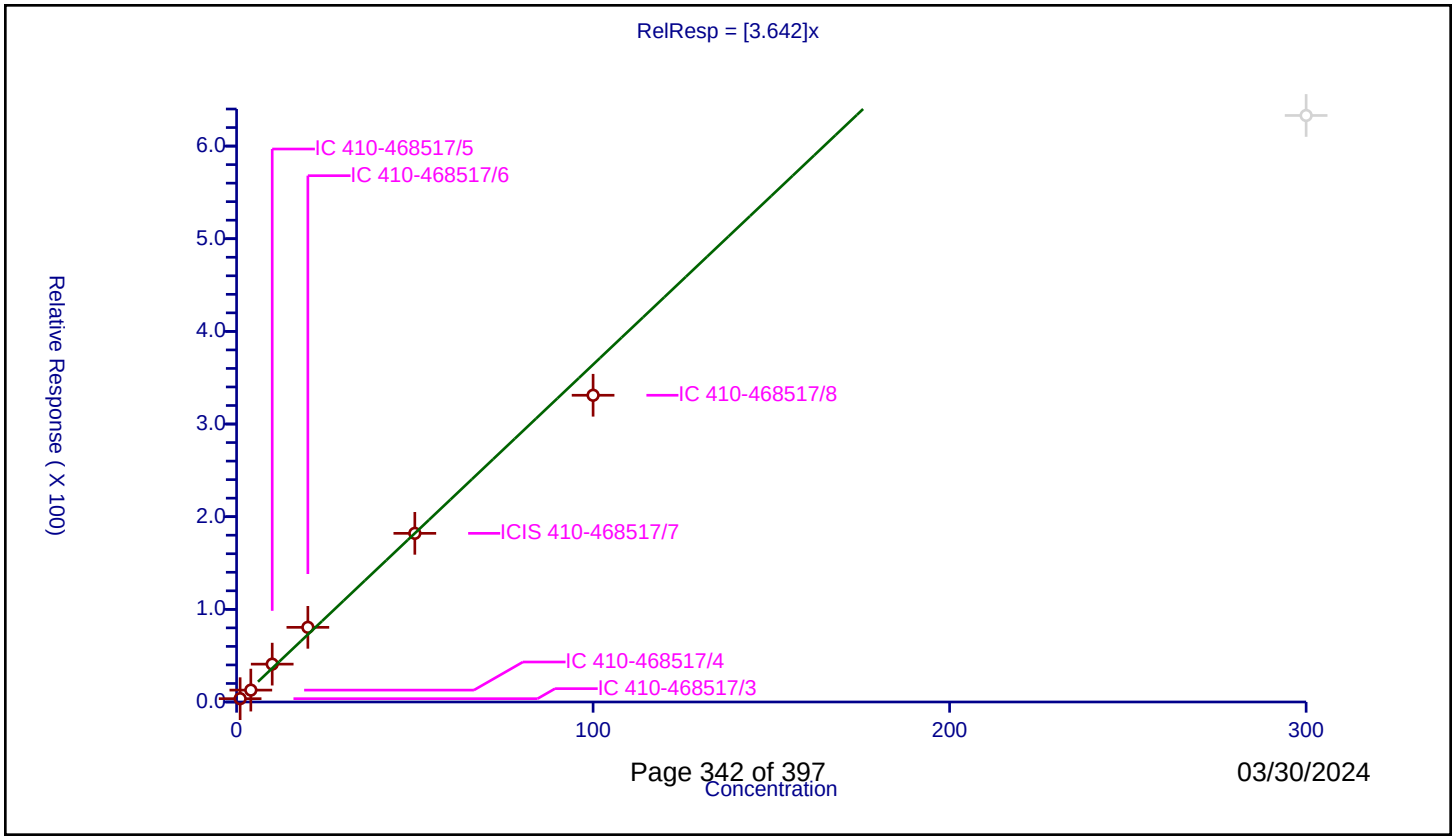
Curve Coefficients

Intercept:	0
Slope:	3.642

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	3.578474	50.0	660016.0	3.578474	Y
2	IC 410-468517/4	4.0	12.822282	50.0	659477.0	3.20557	Y
3	IC 410-468517/5	10.0	40.859653	50.0	644888.0	4.085965	Y
4	IC 410-468517/6	20.0	80.582084	50.0	653497.0	4.029104	Y
5	ICIS 410-468517/7	50.0	182.030432	50.0	639061.0	3.640609	Y
6	IC 410-468517/8	100.0	331.068064	50.0	670428.0	3.310681	Y
7	IC 410-468517/9	300.0	633.025521	50.0	632800.0	2.110085	N



Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

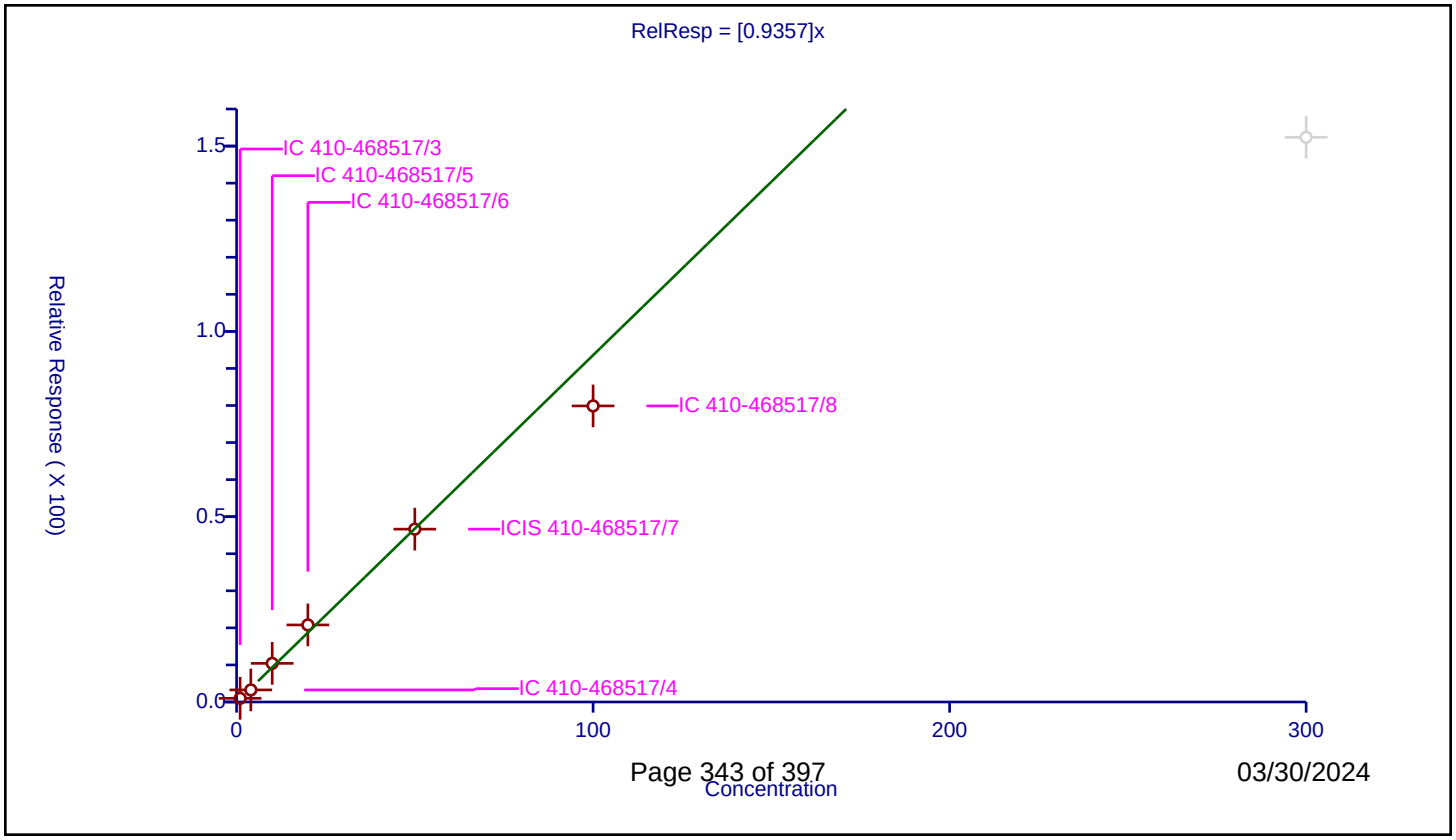
Curve Coefficients

Intercept:	0
Slope:	0.9357

Error Coefficients

Relative Standard Deviation:	11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	0.987779	50.0	660016.0	0.987779	Y
2	IC 410-468517/4	4.0	3.254321	50.0	659477.0	0.81358	Y
3	IC 410-468517/5	10.0	10.420026	50.0	644888.0	1.042003	Y
4	IC 410-468517/6	20.0	20.792521	50.0	653497.0	1.039626	Y
5	ICIS 410-468517/7	50.0	46.633263	50.0	639061.0	0.932665	Y
6	IC 410-468517/8	100.0	79.883746	50.0	670428.0	0.798837	Y
7	IC 410-468517/9	300.0	152.364333	50.0	632800.0	0.507881	N



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

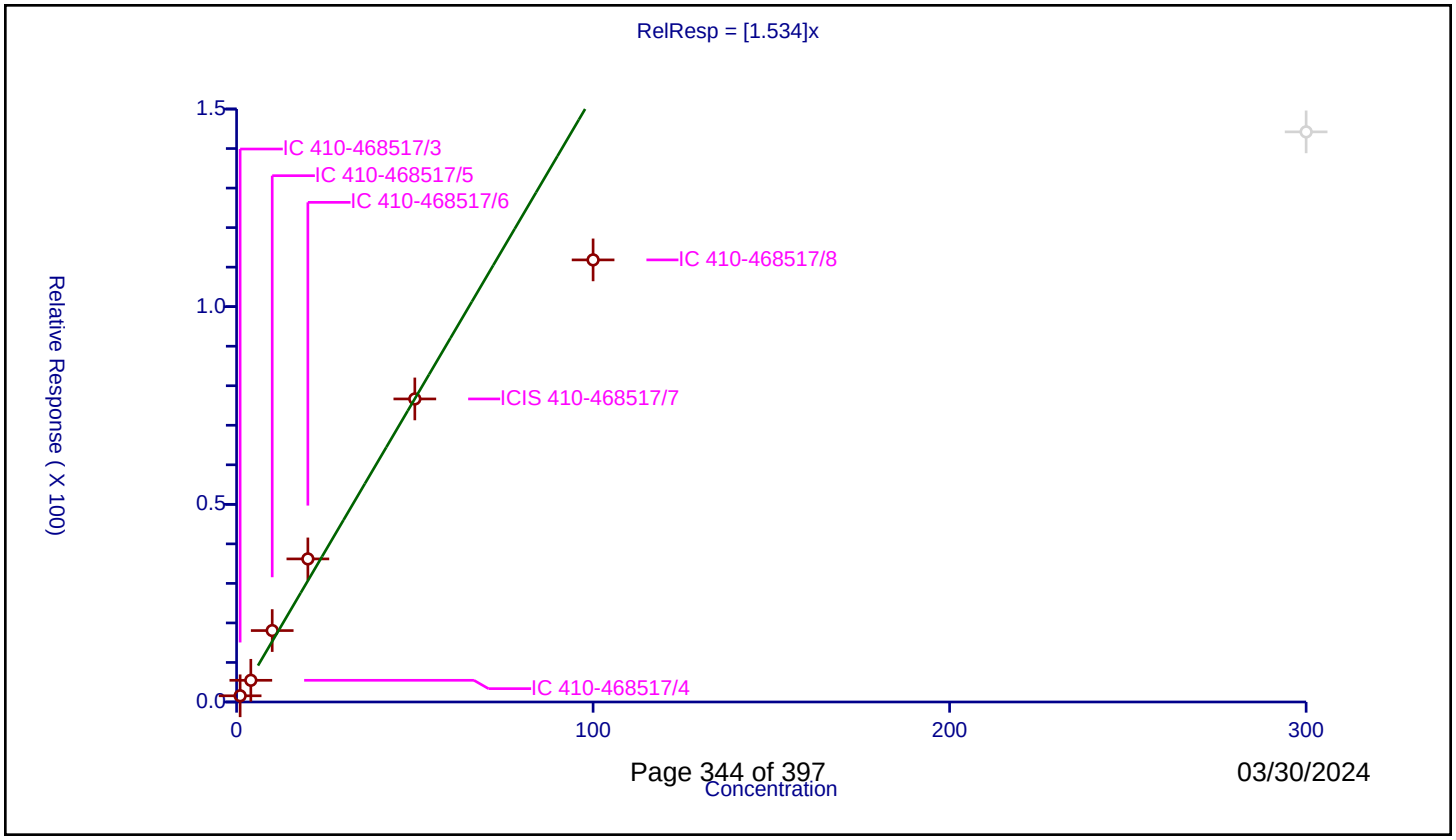
Curve Coefficients

Intercept:	0
Slope:	1.534

Error Coefficients

Relative Standard Deviation:	17.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-468517/3	1.0	1.565795	50.0	660016.0	1.565795	Y
2	IC 410-468517/4	4.0	5.487834	50.0	659477.0	1.371958	Y
3	IC 410-468517/5	10.0	18.069572	50.0	644888.0	1.806957	Y
4	IC 410-468517/6	20.0	36.193051	50.0	653497.0	1.809653	Y
5	ICIS 410-468517/7	50.0	76.661852	50.0	639061.0	1.533237	Y
6	IC 410-468517/8	100.0	111.833635	50.0	670428.0	1.118336	Y
7	IC 410-468517/9	300.0	144.217762	50.0	632800.0	0.480726	N



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1

SDG No.:

Lab Sample ID: ICV 410-468517/11 Calibration Date: 01/31/2024 14:32

Instrument ID: 23297 Calib Start Date: 01/31/2024 11:33

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 01/31/2024 13:47

Lab File ID: 4J31X10.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	0.4329	0.4084	0.1000	18.9	20.0	-5.6	30.0
Chloromethane	Ave	0.4248	0.3498	0.1000	16.5	20.0	-17.7	30.0
Vinyl chloride	Ave	0.4127	0.3615	0.1000	17.5	20.0	-12.4	30.0
1,3-Butadiene	Ave	0.3888	0.3295		16.9	20.0	-15.3	30.0
Bromomethane	Ave	0.3132	0.2717	0.1000	17.3	20.0	-13.3	30.0
Chloroethane	Ave	0.2169	0.2015	0.1000	18.6	20.0	-7.1	30.0
Dichlorofluoromethane	Ave	0.6566	0.5694		17.3	20.0	-13.3	30.0
Trichlorofluoromethane	Ave	0.4984	0.5128	0.1000	20.6	20.0	2.9	30.0
n-Pentane	Ave	0.4931	0.4442		18.0	20.0	-9.9	30.0
Ethanol	Ave	0.0613	0.0593		968	1000	-3.2	30.0
Freon 123a	Ave	0.3253	0.3314		20.4	20.0	1.9	30.0
Acrolein	Ave	1.358	1.227		136	150	-9.6	30.0
Acetone	Ave	0.6725	0.5774	0.1000	215	250	-14.1	30.0
Freon 113	Ave	0.2813	0.2444	0.1000	17.4	20.0	-13.1	30.0
1,1-Dichloroethene	Ave	0.2780	0.2851	0.1000	20.5	20.0	2.6	30.0
Methyl iodide	Ave	0.5559	0.5288		19.0	20.0	-4.9	30.0
2-Propanol	Ave	0.5734	0.5730		150	150	-0.0	30.0
Carbon disulfide	Ave	0.9567	0.8819	0.1000	18.4	20.0	-7.8	30.0
Methyl acetate	Ave	0.3497	0.3699	0.1000	21.2	20.0	5.8	30.0
Allyl chloride	Ave	0.4336	0.3826		17.6	20.0	-11.8	30.0
Methylene Chloride	Ave	0.3109	0.3092	0.1000	19.9	20.0	-0.5	30.0
t-Butyl alcohol	Ave	1.080	0.9293		172	200	-14.0	30.0
Acrylonitrile	Ave	0.1979	0.1899		96.0	100	-4.0	30.0
Methyl tert-butyl ether	Ave	0.8221	0.7512	0.1000	18.3	20.0	-8.6	30.0
trans-1,2-Dichloroethene	Ave	0.2838	0.2862	0.1000	20.2	20.0	0.9	30.0
n-Hexane	Ave	0.3424	0.3198		18.7	20.0	-6.6	30.0
1,1-Dichloroethane	Ave	0.4720	0.4786	0.2000	20.3	20.0	1.4	30.0
Isopropyl ether	Ave	0.7495	0.6978		18.6	20.0	-6.9	30.0
2-Chloro-1,3-butadiene	Ave	0.3839	0.3764		19.6	20.0	-1.9	30.0
Ethyl t-butyl ether	Ave	0.7579	0.7251		19.1	20.0	-4.3	30.0
2-Butanone (MEK)	Ave	0.2796	0.2597	0.1000	232	250	-7.1	30.0
cis-1,2-Dichloroethene	Ave	0.3070	0.3081	0.1000	20.1	20.0	0.4	30.0
2,2-Dichloropropane	Ave	0.4473	0.4576		20.5	20.0	2.3	30.0
Propionitrile	Ave	1.074	0.9448		132	150	-12.0	30.0
Methyl acrylate	Ave	0.4509	0.4612		20.4	20.0	2.3	30.0
Methacrylonitrile	Ave	0.1871	0.1782		143	150	-4.8	30.0
Bromochloromethane	Ave	0.1646	0.1692		20.6	20.0	2.8	30.0
Tetrahydrofuran	Ave	0.9690	0.8235		85.0	100	-15.0	30.0
Chloroform	Ave	0.5376	0.4863	0.2000	18.1	20.0	-9.5	30.0
1,1,1-Trichloroethane	Ave	0.4482	0.4726	0.1000	21.1	20.0	5.4	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1

SDG No.:

Lab Sample ID: ICV 410-468517/11 Calibration Date: 01/31/2024 14:32

Instrument ID: 23297 Calib Start Date: 01/31/2024 11:33

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 01/31/2024 13:47

Lab File ID: 4J31X10.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	0.4821	0.4631	0.1000	19.2	20.0	-3.9	30.0
1,1-Dichloropropene	Ave	0.3256	0.3303		20.3	20.0	1.5	30.0
Carbon tetrachloride	Ave	0.3931	0.4036	0.1000	20.5	20.0	2.7	30.0
Isobutyl alcohol	Ave	0.3696	0.2961		401	500	-19.9	30.0
Benzene	Ave	0.996	0.9920	0.5000	19.9	20.0	-0.4	30.0
1,2-Dichloroethane	Ave	0.3663	0.3543	0.1000	19.3	20.0	-3.3	30.0
t-Amyl methyl ether	Ave	0.7657	0.7218		18.9	20.0	-5.7	30.0
n-Heptane	Ave	0.3261	0.3138		19.2	20.0	-3.8	30.0
n-Butanol	Ave	0.2790	0.2303		825	1000	-17.5	30.0
Trichloroethene	Ave	0.2633	0.2623	0.2000	19.9	20.0	-0.4	30.0
Ethyl acrylate	Ave	0.4713	0.4653		19.7	20.0	-1.3	30.0
Methylcyclohexane	Ave	0.4948	0.4969	0.1000	20.1	20.0	0.4	30.0
1,2-Dichloropropane	Ave	0.2550	0.2474	0.1000	19.4	20.0	-3.0	30.0
t-Amyl ethyl ether	Ave	0.4039	0.3734		18.5	20.0	-7.5	30.0
1,4-Dioxane	Ave	0.0715	0.0639	0.0050	447	500	-10.6	30.0
Methyl methacrylate	Ave	0.2844	0.2613		18.4	20.0	-8.1	30.0
Dibromomethane	Ave	0.1982	0.1878		18.9	20.0	-5.3	30.0
Bromodichloromethane	Ave	0.3366	0.3313	0.2000	19.7	20.0	-1.6	30.0
2-Nitropropane	Ave	1.871	1.490		15.9	20.0	-20.3	30.0
2-Chloroethyl vinyl ether	Ave	0.2173	0.1941		17.9	20.0	-10.7	30.0
cis-1,3-Dichloropropene	Ave	0.4341	0.4094	0.2000	18.9	20.0	-5.7	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5129	0.4844	0.1000	236	250	-5.6	30.0
Toluene	Ave	0.7979	0.7804	0.4000	19.6	20.0	-2.2	30.0
trans-1,3-Dichloropropene	Ave	0.5396	0.5036	0.1000	18.7	20.0	-6.7	30.0
Ethyl methacrylate	Ave	0.5760	0.5203		18.1	20.0	-9.7	30.0
1,1,2-Trichloroethane	Ave	0.3332	0.3157	0.1000	19.0	20.0	-5.2	30.0
Tetrachloroethene	Ave	0.3570	0.3634	0.2000	20.4	20.0	1.8	30.0
1,3-Dichloropropane	Ave	0.5268	0.5000		19.0	20.0	-5.1	30.0
2-Hexanone	Ave	0.5072	0.4699	0.1000	232	250	-7.3	30.0
Dibromochloromethane	Ave	0.3801	0.3522		18.5	20.0	-7.3	30.0
1,2-Dibromoethane (EDB)	Ave	0.3999	0.3756	0.1000	18.8	20.0	-6.1	30.0
1-Chlorohexane	Ave	0.4423	0.4138		18.7	20.0	-6.4	30.0
Chlorobenzene	Ave	0.9701	0.9469	0.5000	19.5	20.0	-2.4	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3591	0.3482		19.4	20.0	-3.0	30.0
Ethylbenzene	Ave	1.598	1.598	0.1000	20.0	20.0	-0.0	30.0
m&p-Xylene	Ave	0.6356	0.6398	0.1000	40.3	40.0	0.7	30.0
n-Butyl acrylate	Ave	0.7624	0.7879		20.7	20.0	3.4	30.0
o-Xylene	Ave	0.6626	0.6510	0.3000	19.6	20.0	-1.8	30.0
Styrene	Ave	1.097	1.096	0.3000	20.0	20.0	-0.0	30.0
Bromoform	Ave	0.3287	0.3005	0.1000	18.3	20.0	-8.6	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1

SDG No.:

Lab Sample ID: ICV 410-468517/11 Calibration Date: 01/31/2024 14:32

Instrument ID: 23297 Calib Start Date: 01/31/2024 11:33

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 01/31/2024 13:47

Lab File ID: 4J31X10.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	1.529	1.681	0.1000	22.0	20.0	10.0	30.0
Cyclohexanone	Ave	0.2605	0.2169		416	500	-16.7	30.0
1,1,2,2-Tetrachloroethane	Ave	1.005	0.9217	0.3000	18.3	20.0	-8.3	30.0
Bromobenzene	Ave	0.7422	0.7108		19.2	20.0	-4.2	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3463	0.3220		93.0	100	-7.0	30.0
1,2,3-Trichloropropane	Ave	0.3183	0.2924		18.4	20.0	-8.1	30.0
N-Propylbenzene	Ave	2.975	3.052		20.5	20.0	2.6	30.0
2-Chlorotoluene	Ave	0.6750	0.6633		19.7	20.0	-1.7	30.0
1,3,5-Trimethylbenzene	Ave	2.210	2.224		20.1	20.0	0.6	30.0
4-Chlorotoluene	Ave	0.6985	0.6714		19.2	20.0	-3.9	30.0
tert-Butylbenzene	Ave	0.4136	0.4188		20.3	20.0	1.3	30.0
1,2,4-Trimethylbenzene	Ave	2.313	2.308		20.0	20.0	-0.2	30.0
sec-Butylbenzene	Ave	2.698	2.773		20.6	20.0	2.8	30.0
1,3-Dichlorobenzene	Ave	1.411	1.391	0.6000	19.7	20.0	-1.4	30.0
p-Isopropyltoluene	Ave	2.426	2.461		20.3	20.0	1.4	30.0
1,4-Dichlorobenzene	Ave	1.469	1.427	0.5000	19.4	20.0	-2.9	30.0
1,2,3-Trimethylbenzene	Ave	2.426	2.264		18.7	20.0	-6.7	30.0
Benzyl chloride	Ave	2.176	1.953		17.9	20.0	-10.3	30.0
1,3-Diethylbenzene	Ave	1.447	1.474		20.4	20.0	1.9	30.0
1,4-Diethylbenzene	Ave	1.533	1.585		20.7	20.0	3.4	30.0
n-Butylbenzene	Ave	1.204	1.251		20.8	20.0	3.9	30.0
1,2-Dichlorobenzene	Ave	1.423	1.391	0.4000	19.6	20.0	-2.2	30.0
1,2-Diethylbenzene	Ave	1.185	1.187		20.0	20.0	0.2	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.3081	0.2775	0.0500	18.0	20.0	-9.9	30.0
1,3,5-Trichlorobenzene	Ave	0.9939	1.035		20.8	20.0	4.2	30.0
1,2,4-Trichlorobenzene	Ave	0.9481	1.013	0.2000	21.4	20.0	6.9	30.0
2-Ethylhexyl acrylate	Ave	0.5758	0.6666		23.2	20.0	15.8	30.0
Hexachlorobutadiene	Ave	0.3536	0.4083		23.1	20.0	15.5	30.0
Naphthalene	Ave	3.642	3.545		19.5	20.0	-2.6	30.0
1,2,3-Trichlorobenzene	Ave	0.9357	0.9295		19.9	20.0	-0.7	30.0
2-Methylnaphthalene	Ave	1.534	1.658		21.6	20.0	8.1	30.0
Dibromofluoromethane (Surr)	Ave	0.2665	0.2694		50.5	50.0	1.1	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0599	0.0624		52.2	50.0	4.3	30.0
Toluene-d8 (Surr)	Ave	1.231	1.234		50.1	50.0	0.2	30.0
4-Bromofluorobenzene (Surr)	Ave	0.5203	0.5264		50.6	50.0	1.2	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X10.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 31-Jan-2024 14:32:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0105215-011
Misc. Info.: ICV
Operator ID: knk41612 Instrument ID: 23297
Sublist:

Method: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 01-Feb-2024 16:12:09 Calib Date: 31-Jan-2024 13:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1627

First Level Reviewer: DVW2 Date: 31-Jan-2024 14:54:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.806	1.812	-0.006	99	196184	20.0	18.9	
4 Chloromethane	50	1.989	1.995	-0.006	99	168028	20.0	16.5	
5 Vinyl chloride	62	2.098	2.098	0.000	98	173668	20.0	17.5	
6 Butadiene	39	2.123	2.123	0.000	91	158269	20.0	16.9	M
8 Bromomethane	94	2.409	2.421	-0.012	91	130495	20.0	17.3	
9 Chloroethane	64	2.476	2.482	-0.006	99	96813	20.0	18.6	
10 Dichlorofluoromethane	67	2.719	2.725	-0.006	97	273498	20.0	17.3	
11 Trichlorofluoromethane	101	2.798	2.792	0.006	98	246327	20.0	20.6	
12 Pentane	43	2.853	2.853	0.000	95	213358	20.0	18.0	
13 Ethanol	45	2.920	2.938	-0.018	79	133626	1000.0	968.4	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.078	3.078	0.000	91	159195	20.0	20.4	
16 Acrolein	56	3.157	3.145	0.012	100	414688	150.0	135.6	
18 Acetone	58	3.309	3.309	0.000	99	325187	250.0	214.6	M
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.309	3.315	-0.006	55	117380	20.0	17.4	
17 1,1-Dichloroethene	96	3.321	3.327	-0.006	97	136937	20.0	20.5	
21 Iodomethane	142	3.479	3.485	-0.006	98	253996	20.0	19.0	
20 Isopropyl alcohol	45	3.504	3.516	-0.012	96	193640	150.0	149.9	
22 Carbon disulfide	76	3.625	3.625	0.000	99	423591	20.0	18.4	M
24 Methyl acetate	43	3.680	3.686	-0.006	99	177696	20.0	21.2	
26 3-Chloro-1-propene	41	3.735	3.729	0.006	90	183779	20.0	17.6	
27 Methylene Chloride	84	3.905	3.911	-0.006	89	148526	20.0	19.9	
* 28 t-Butyl alcohol-d10 (IS)	65	3.923	3.917	0.006	94	563189	250.0	250.0	
29 2-Methyl-2-propanol	59	4.045	4.045	0.000	100	418694	200.0	172.0	M
30 Acrylonitrile	53	4.203	4.191	0.012	99	456112	100.0	96.0	
31 Methyl tert-butyl ether	73	4.228	4.252	-0.024	94	360851	20.0	18.3	
32 trans-1,2-Dichloroethene	96	4.288	4.288	0.000	99	137489	20.0	20.2	
34 Hexane	57	4.702	4.708	-0.006	93	153606	20.0	18.7	
35 1,1-Dichloroethane	63	4.946	4.945	0.001	97	229891	20.0	20.3	
37 Isopropyl ether	45	5.000	5.000	0.000	93	335184	20.0	18.6	
38 2-Chloro-1,3-butadiene	53	5.049	5.055	-0.006	91	180800	20.0	19.6	

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	5.548	5.542	0.006	97	348284	20.0	19.1	
40 2-Butanone (MEK)	43	5.755	5.755	0.000	100	1559330	250.0	232.2	
41 cis-1,2-Dichloroethene	96	5.791	5.791	0.000	81	148012	20.0	20.1	
42 2,2-Dichloropropane	77	5.803	5.803	0.000	85	219823	20.0	20.5	
44 Propionitrile	54	5.846	5.840	0.006	96	319263	150.0	132.0	
45 Methyl acrylate	55	5.888	5.888	0.000	99	221145	20.0	20.4	
47 Methacrylonitrile	67	6.059	6.059	0.000	91	641979	150.0	142.9	
48 Chlorobromomethane	128	6.120	6.120	0.000	91	81265	20.0	20.6	
49 Tetrahydrofuran	71	6.126	6.126	0.000	87	185513	100.0	85.0	
50 Chloroform	83	6.278	6.278	0.000	93	233576	20.0	18.1	
$ 51 Dibromofluoromethane (Surr)	113	6.497	6.491	0.006	94	323525	50.0	50.5	
52 1,1,1-Trichloroethane	97	6.509	6.515	-0.006	97	227000	20.0	21.1	
53 Cyclohexane	56	6.606	6.606	0.000	89	222463	20.0	19.2	
54 Carbon tetrachloride	117	6.722	6.722	0.000	96	193853	20.0	20.5	
55 1,1-Dichloropropene	75	6.716	6.722	-0.006	92	158668	20.0	20.3	
56 Isobutyl alcohol	41	6.898	6.898	0.000	94	333553	500.0	400.7	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.941	6.953	-0.012	83	74979	50.0	52.2	
58 Benzene	78	6.984	6.983	0.001	97	476520	20.0	19.9	
59 1,2-Dichloroethane	62	7.057	7.056	0.000	98	170209	20.0	19.3	
61 Tert-amyl methyl ether	73	7.184	7.184	0.000	98	346721	20.0	18.9	
* 62 Fluorobenzene (IS)	96	7.397	7.397	0.000	99	1200858	50.0	50.0	
63 n-Heptane	43	7.422	7.421	0.001	89	150750	20.0	19.2	
64 n-Butanol	56	7.793	7.793	0.000	90	518812	1000.0	825.3	
66 Trichloroethene	95	7.884	7.884	0.000	98	125974	20.0	19.9	
67 Ethyl acrylate	55	8.012	8.012	0.000	99	223404	20.0	19.7	
68 Methylcyclohexane	83	8.200	8.194	0.006	90	238667	20.0	20.1	
69 1,2-Dichloropropane	63	8.212	8.218	-0.006	95	118815	20.0	19.4	
70 2-ethoxy-2-methyl butane	87	8.237	8.243	-0.006	93	179348	20.0	18.5	
72 Methyl methacrylate	69	8.322	8.316	0.006	90	125517	20.0	18.4	
73 1,4-Dioxane	88	8.316	8.322	-0.006	42	71969	500.0	446.8	
74 Dibromomethane	93	8.328	8.328	0.000	93	90212	20.0	18.9	
75 Dichlorobromomethane	83	8.571	8.571	0.000	99	159135	20.0	19.7	
76 2-Nitropropane	41	8.845	8.845	0.000	99	67134	20.0	15.9	
77 2-Chloroethyl vinyl ether	63	8.948	8.948	0.000	93	93248	20.0	17.9	
78 cis-1,3-Dichloropropene	75	9.137	9.137	0.000	95	196676	20.0	18.9	
79 4-Methyl-2-pentanone (MIBK)	43	9.326	9.326	0.000	96	2908615	250.0	236.1	
$ 80 Toluene-d8 (Surr)	98	9.466	9.466	0.000	93	1239884	50.0	50.1	
81 Toluene	92	9.545	9.545	0.000	98	313531	20.0	19.6	
82 trans-1,3-Dichloropropene	75	9.818	9.818	0.000	94	202315	20.0	18.7	
100 Ethyl methacrylate	69	9.891	9.885	0.006	89	209041	20.0	18.1	
118 1,1,2-Trichloroethane	97	10.025	10.031	-0.006	90	126857	20.0	19.0	
119 Tetrachloroethene	166	10.117	10.116	0.001	97	146018	20.0	20.4	
120 1,3-Dichloropropane	76	10.196	10.196	0.000	91	200889	20.0	19.0	
123 2-Hexanone	43	10.256	10.256	0.000	95	2359911	250.0	231.6	
125 Chlorodibromomethane	129	10.415	10.415	0.000	90	141489	20.0	18.5	
127 Ethylene Dibromide	107	10.524	10.524	0.000	98	150896	20.0	18.8	
* 128 Chlorobenzene-d5 (IS)	117	10.968	10.974	-0.006	86	1004421	50.0	50.0	
129 1-Chlorohexane	91	10.986	10.986	0.000	96	166248	20.0	18.7	
130 Chlorobenzene	112	10.999	10.999	0.000	96	380422	20.0	19.5	
131 1,1,1,2-Tetrachloroethane	131	11.084	11.084	0.000	96	139885	20.0	19.4	
132 Ethylbenzene	91	11.090	11.090	0.000	98	641962	20.0	20.0	
134 m-Xylene & p-Xylene	106	11.205	11.205	0.000	99	514070	40.0	40.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 n-Butyl acrylate	55	11.498	11.497	0.001	96	317015	20.0	20.7	
136 o-Xylene	106	11.540	11.540	0.000	96	261538	20.0	19.6	
137 Styrene	104	11.558	11.558	0.000	95	440368	20.0	20.0	
138 Bromoform	173	11.717	11.710	0.007	97	120747	20.0	18.3	
139 Isopropylbenzene	105	11.850	11.850	0.000	96	675486	20.0	22.0	
141 Cyclohexanone	55	11.923	11.917	0.006	92	244342	500.0	416.4	
$ 142 4-Bromofluorobenzene (Surr)	95	11.990	11.990	0.000	92	528683	50.0	50.6	
143 1,1,2,2-Tetrachloroethane	83	12.100	12.100	0.000	94	236818	20.0	18.3	
144 Bromobenzene	156	12.106	12.106	0.000	94	182637	20.0	19.2	
145 trans-1,4-Dichloro-2-butene	53	12.124	12.124	0.000	95	413689	100.0	93.0	
146 1,2,3-Trichloropropane	110	12.142	12.142	0.000	82	75143	20.0	18.4	
147 N-Propylbenzene	91	12.185	12.185	0.000	98	784328	20.0	20.5	
148 2-Chlorotoluene	126	12.258	12.258	0.000	97	170432	20.0	19.7	
149 1,3,5-Trimethylbenzene	105	12.325	12.319	0.006	94	571489	20.0	20.1	
150 4-Chlorotoluene	126	12.349	12.349	0.000	97	172503	20.0	19.2	
153 tert-Butylbenzene	134	12.562	12.562	0.000	92	107614	20.0	20.3	
155 1,2,4-Trimethylbenzene	105	12.605	12.611	-0.006	98	593038	20.0	20.0	
156 sec-Butylbenzene	105	12.732	12.726	0.006	94	712614	20.0	20.6	
158 1,3-Dichlorobenzene	146	12.824	12.824	0.000	99	357540	20.0	19.7	
159 4-Isopropyltoluene	119	12.836	12.836	0.000	97	632301	20.0	20.3	
* 160 1,4-Dichlorobenzene-d4	152	12.885	12.885	0.000	96	642368	50.0	50.0	
161 1,4-Dichlorobenzene	146	12.903	12.903	0.000	95	366546	20.0	19.4	
162 1,2,3-Trimethylbenzene	105	12.915	12.915	0.000	98	581797	20.0	18.7	
163 Benzyl chloride	91	12.976	12.976	0.000	99	501765	20.0	17.9	
164 1,3-Diethylbenzene	119	13.043	13.043	0.000	95	378742	20.0	20.4	
165 p-Diethylbenzene	119	13.116	13.116	0.000	94	407225	20.0	20.7	
166 n-Butylbenzene	92	13.134	13.134	0.000	97	321561	20.0	20.8	
167 1,2-Dichlorobenzene	146	13.158	13.158	0.000	99	357536	20.0	19.6	
168 o-diethylbenzene	119	13.183	13.183	0.000	95	305051	20.0	20.0	
170 1,2-Dibromo-3-Chloropropane	75	13.706	13.706	0.000	87	71299	20.0	18.0	
171 1,3,5-Trichlorobenzene	180	13.834	13.834	0.000	98	266006	20.0	20.8	
172 1,2,4-Trichlorobenzene	180	14.259	14.259	0.000	95	260354	20.0	21.4	
173 2-Ethylhexyl acrylate	55	14.326	14.320	0.006	81	171333	20.0	23.2	
174 Hexachlorobutadiene	225	14.345	14.345	0.000	96	104908	20.0	23.1	
175 Naphthalene	128	14.436	14.436	0.000	97	910983	20.0	19.5	
176 1,2,3-Trichlorobenzene	180	14.582	14.582	0.000	96	238842	20.0	19.9	
177 2-Methylnaphthalene	142	15.184	15.184	0.000	92	426035	20.0	21.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00151	Amount Added:	50.00	Units: uL	
MSV_LCS_2CEVE_00156	Amount Added:	50.00	Units: uL	
MSV_LCS_ACROL_00152	Amount Added:	50.00	Units: uL	
MSV_LCS_ETOH_00005	Amount Added:	50.00	Units: uL	
MSV_LCS_Gases_00181	Amount Added:	50.00	Units: uL	
MSV_LCS_CYC_00008	Amount Added:	50.00	Units: uL	
MSV_LCS_OH_Sp_00009	Amount Added:	50.00	Units: uL	
MSV_HP04_ISSS_00001	Amount Added:	1.00	Units: uL	Run Reagent

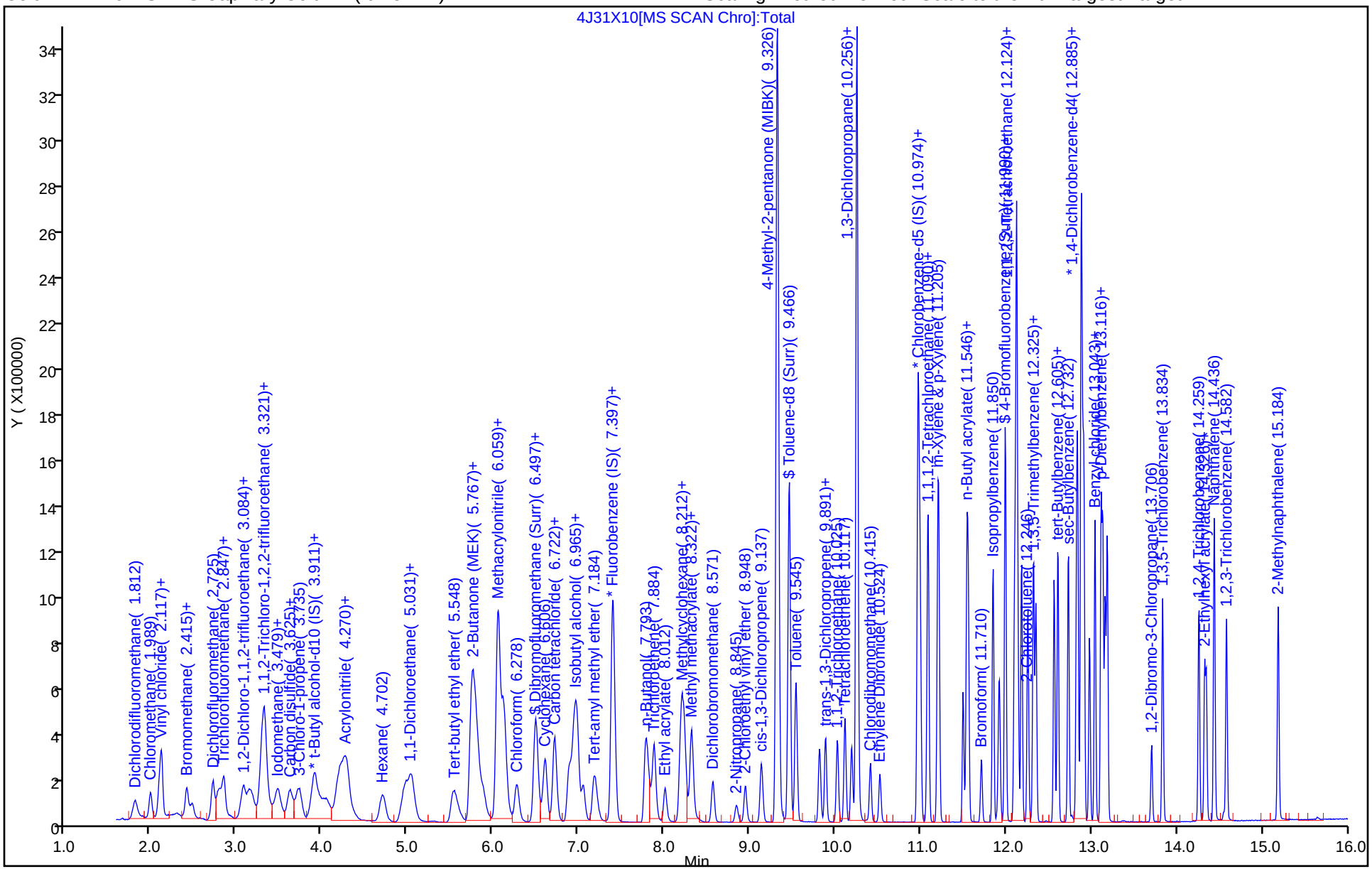
Report Date: 04-Feb-2024 09:09:23 Chrom Revision: 2.3 24-Jan-2024 12:19:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X10.D

Injection Date:	31-Jan-2024 14:32:30	Instrument ID:	23297	Operator ID:	knk41612
Lims ID:	ICV			Worklist Smp#:	11
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

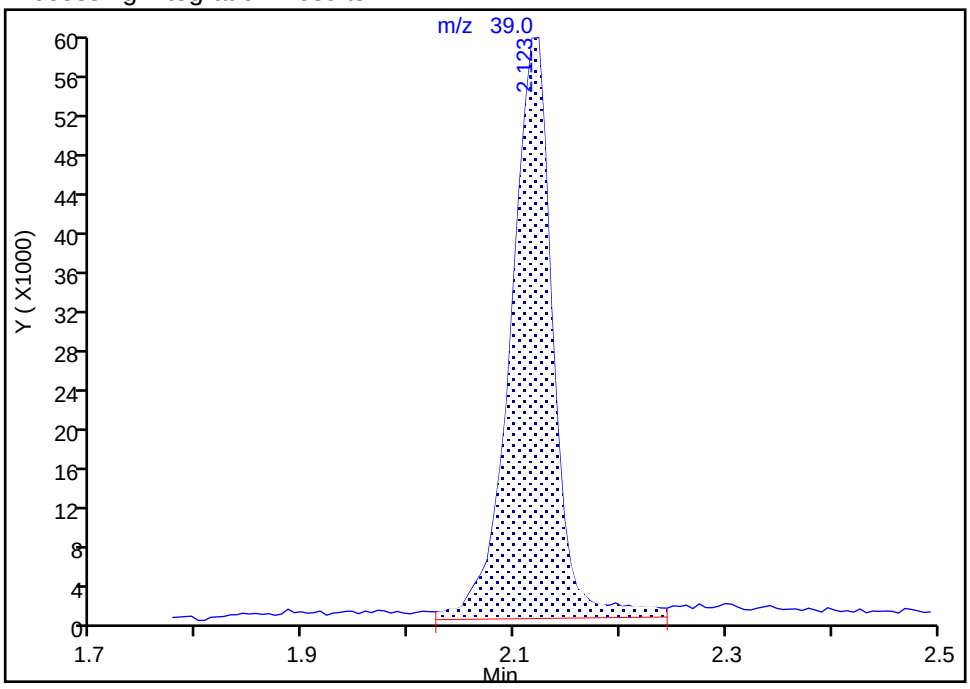
Data File:	\\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X10.D				
Injection Date:	31-Jan-2024 14:32:30	Instrument ID:	23297		
Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

6 Butadiene, CAS: 106-99-0

Signal: 1

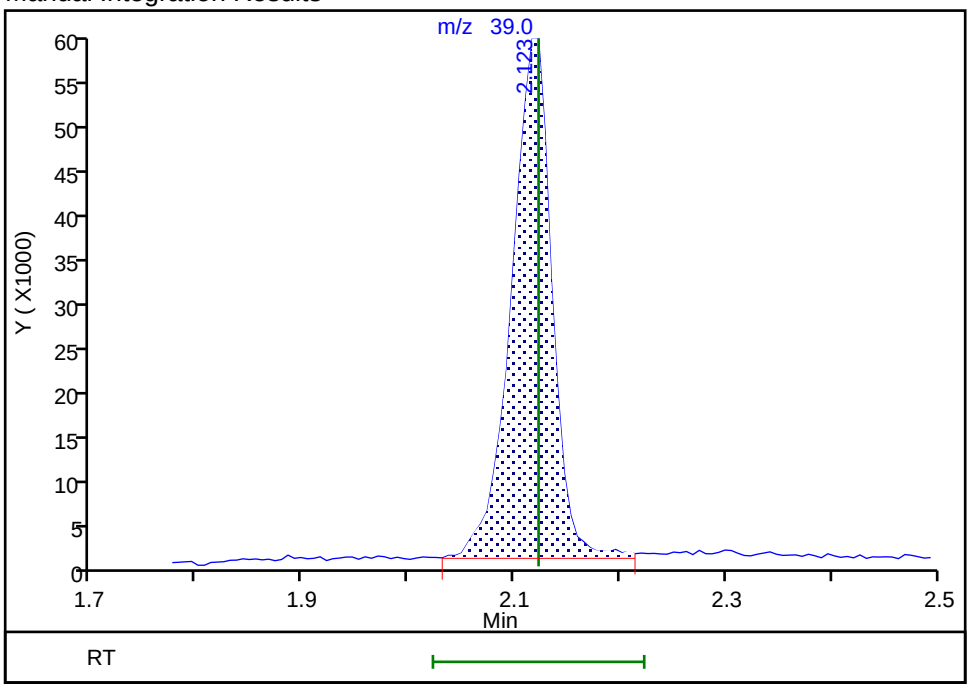
Processing Integration Results

RT: 2.12
Area: 165824
Amount: 17.756741
Amount Units: ug/l



Manual Integration Results

RT: 2.12
Area: 158269
Amount: 16.947737
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 17:06:51 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

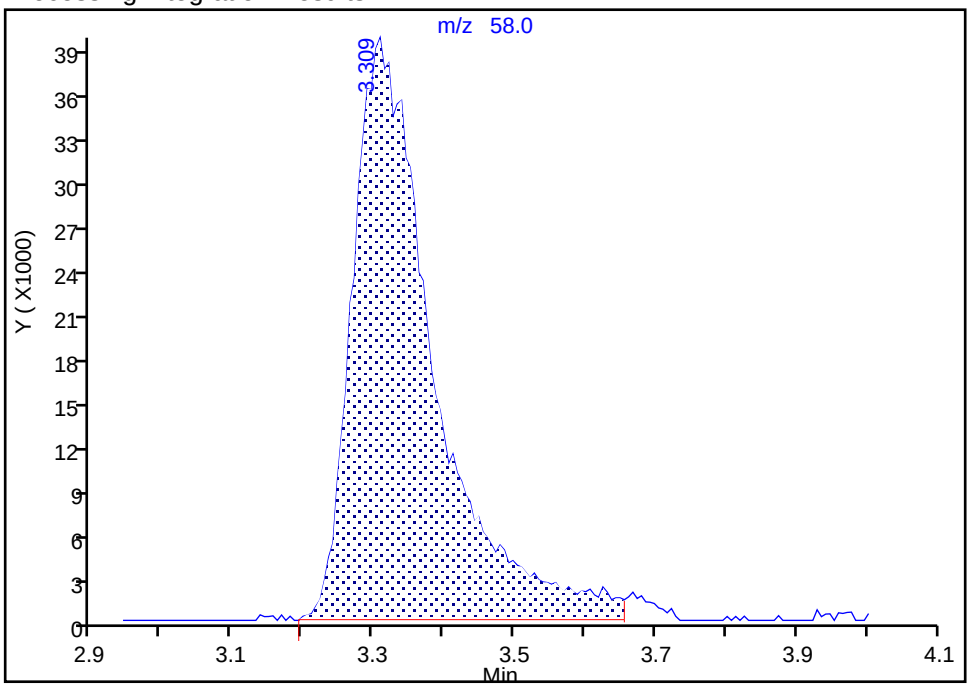
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X10.D
Injection Date: 31-Jan-2024 14:32:30 Instrument ID: 23297
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

18 Acetone, CAS: 67-64-1

Signal: 1

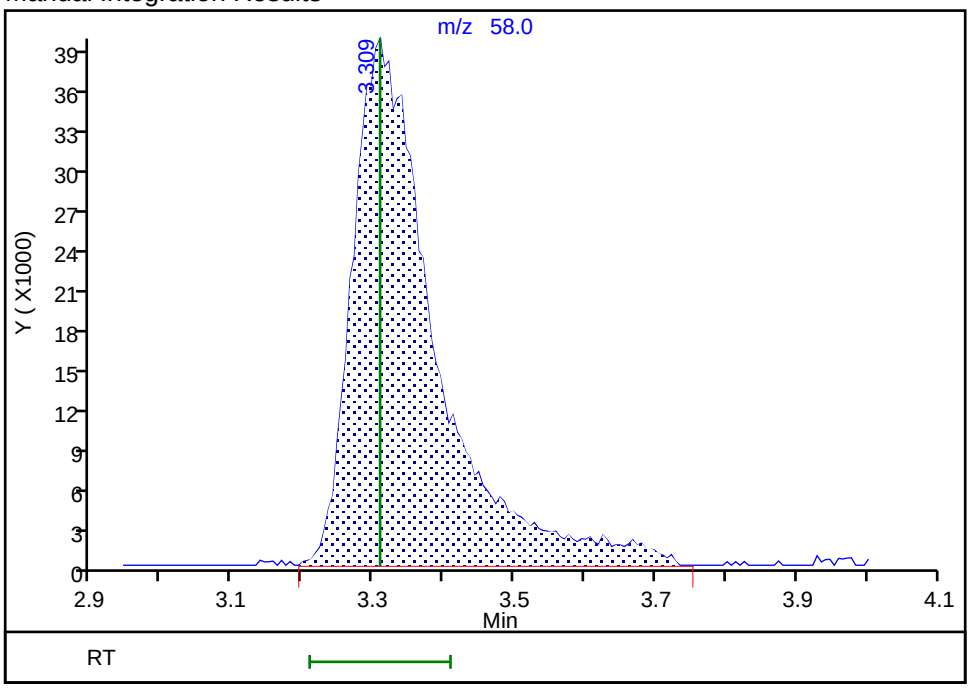
Processing Integration Results

RT: 3.31
Area: 320256
Amount: 211.3919
Amount Units: ug/l



Manual Integration Results

RT: 3.31
Area: 325187
Amount: 214.6467
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 17:07:02 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

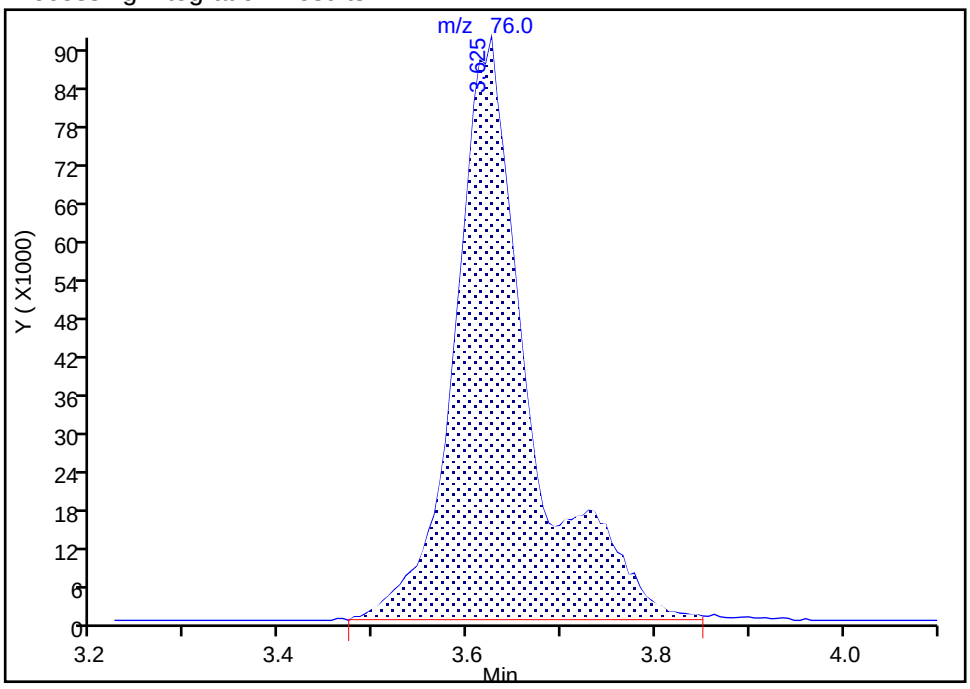
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X10.D
Injection Date: 31-Jan-2024 14:32:30 Instrument ID: 23297
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

22 Carbon disulfide, CAS: 75-15-0

Signal: 1

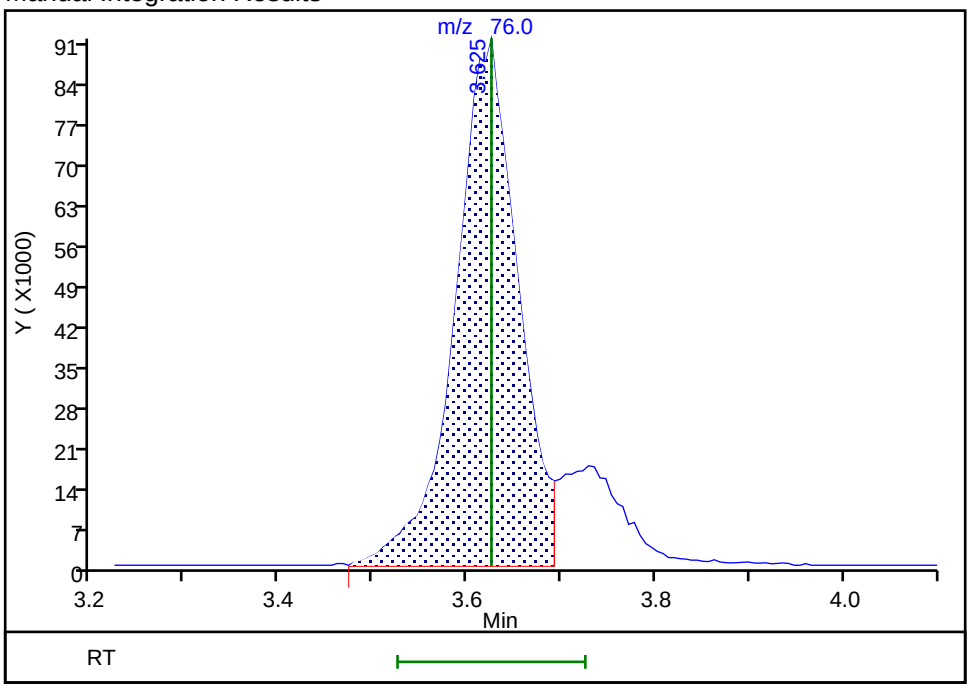
Processing Integration Results

RT: 3.63
Area: 502010
Amount: 21.848865
Amount Units: ug/l



Manual Integration Results

RT: 3.63
Area: 423591
Amount: 18.435853
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 17:07:11 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

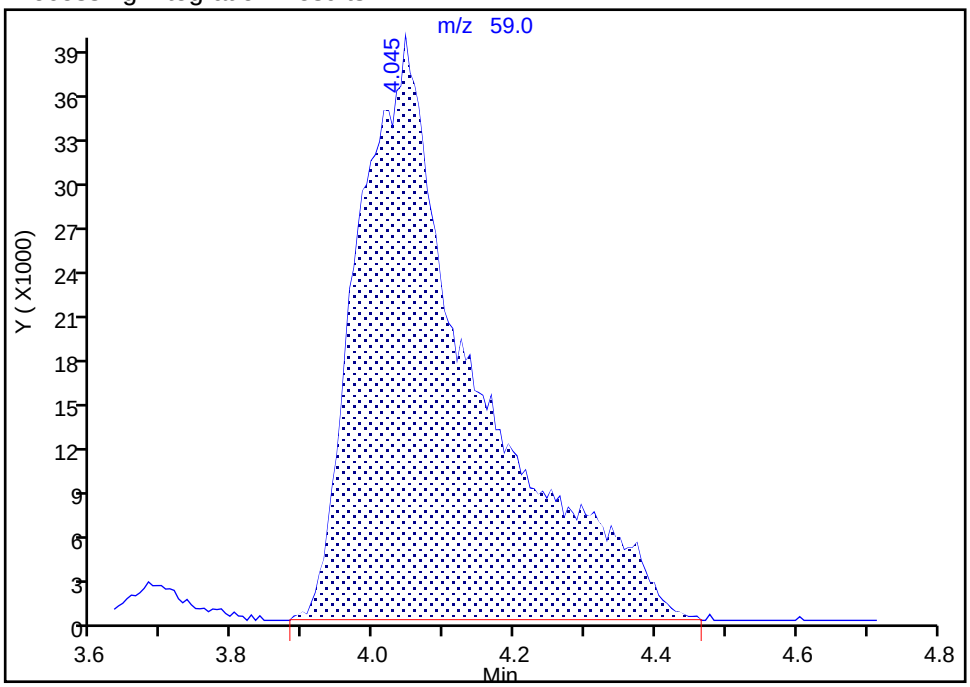
Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X10.D
Injection Date: 31-Jan-2024 14:32:30 Instrument ID: 23297
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

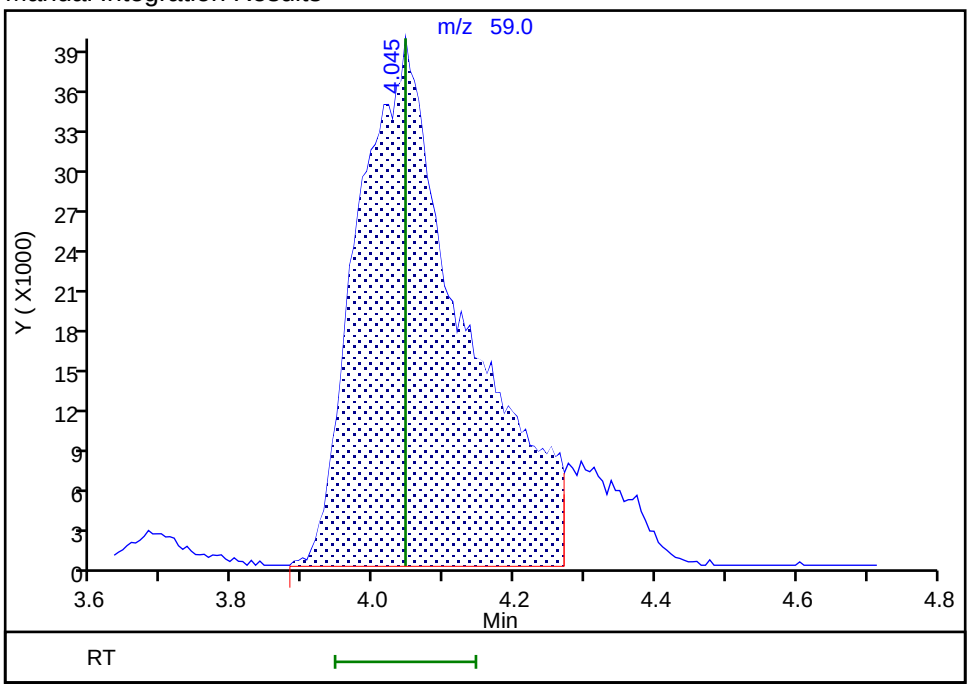
Processing Integration Results

RT: 4.05
Area: 465350
Amount: 191.2008
Amount Units: ug/l



Manual Integration Results

RT: 4.05
Area: 418694
Amount: 172.0310
Amount Units: ug/l



Reviewer: K4WN, 31-Jan-2024 17:07:53 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1

SDG No.:

Lab Sample ID: CCVIS 410-488362/3 Calibration Date: 03/28/2024 20:23

Instrument ID: 23297 Calib Start Date: 01/31/2024 11:33

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 01/31/2024 13:47

Lab File ID: 4M28X32.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	0.4329	0.4586	0.1000	53.0	50.0	5.9	20.0
Chloromethane	Ave	0.4248	0.4596	0.1000	54.1	50.0	8.2	20.0
Vinyl chloride	Ave	0.4127	0.4476	0.1000	54.2	50.0	8.5	20.0
1,3-Butadiene	Ave	0.3888	0.5316		68.4	50.0	36.7*	20.0
Bromomethane	Ave	0.3132	0.3227	0.1000	51.5	50.0	3.0	20.0
Chloroethane	Ave	0.2169	0.2316	0.1000	53.4	50.0	6.7	20.0
Dichlorofluoromethane	Ave	0.6566	0.6538		49.8	50.0	-0.4	20.0
Trichlorofluoromethane	Ave	0.4984	0.4958	0.1000	49.7	50.0	-0.5	20.0
n-Pentane	Ave	0.4931	0.4093		41.5	50.0	-17.0	20.0
Freon 123a	Ave	0.3253	0.3201		49.2	50.0	-1.6	20.0
Acrolein	Ave	1.358	1.097		404	500	-19.2	20.0
1,1-Dichloroethene	Ave	0.2780	0.2515	0.1000	45.2	50.0	-9.5	20.0
Acetone	Ave	0.6725	0.5484	0.1000	81.6	100	-18.4	20.0
Freon 113	Ave	0.2813	0.2897	0.1000	51.5	50.0	3.0	20.0
Methyl iodide	Ave	0.5559	0.5452		49.0	50.0	-1.9	20.0
2-Propanol	Ave	0.5734	0.6006		262	250	4.7	20.0
Carbon disulfide	Ave	0.9567	0.9582	0.1000	50.1	50.0	0.2	20.0
Methyl acetate	Ave	0.3497	0.3334	0.1000	47.7	50.0	-4.6	20.0
Allyl chloride	Ave	0.4336	0.3623		41.8	50.0	-16.5	20.0
Methylene Chloride	Ave	0.3109	0.2984	0.1000	48.0	50.0	-4.0	20.0
t-Butyl alcohol	Ave	1.080	1.001		232	250	-7.4	20.0
Acrylonitrile	Ave	0.1979	0.1798		114	125	-9.2	20.0
Methyl tert-butyl ether	Ave	0.8221	0.8397	0.1000	51.1	50.0	2.1	20.0
trans-1,2-Dichloroethene	Ave	0.2838	0.2402	0.1000	42.3	50.0	-15.4	20.0
n-Hexane	Ave	0.3424	0.3250		47.5	50.0	-5.1	20.0
1,1-Dichloroethane	Ave	0.4720	0.4142	0.2000	43.9	50.0	-12.3	20.0
Isopropyl ether	Ave	0.7495	0.8003		53.4	50.0	6.8	20.0
2-Chloro-1,3-butadiene	Ave	0.3839	0.3472		45.2	50.0	-9.5	20.0
Ethyl t-butyl ether	Ave	0.7579	0.7716		50.9	50.0	1.8	20.0
2-Butanone (MEK)	Ave	0.2796	0.2538	0.1000	90.8	100	-9.2	20.0
cis-1,2-Dichloroethene	Ave	0.3070	0.2751	0.1000	44.8	50.0	-10.4	20.0
2,2-Dichloropropane	Ave	0.4473	0.4052		45.3	50.0	-9.4	20.0
Propionitrile	Ave	1.074	0.9469		220	250	-11.8	20.0
Methyl acrylate	Ave	0.4509	0.4368		48.4	50.0	-3.1	20.0
Methacrylonitrile	Ave	0.1871	0.1764		118	125	-5.7	20.0
Bromochloromethane	Ave	0.1646	0.1468		44.6	50.0	-10.8	20.0
Tetrahydrofuran	Ave	0.9690	0.8218		212	250	-15.2	20.0
Chloroform	Ave	0.5376	0.4351	0.2000	40.5	50.0	-19.1	20.0
1,1,1-Trichloroethane	Ave	0.4482	0.4102	0.1000	45.8	50.0	-8.5	20.0
Cyclohexane	Ave	0.4821	0.4763	0.1000	49.4	50.0	-1.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1

SDG No.:

Lab Sample ID: CCVIS 410-488362/3 Calibration Date: 03/28/2024 20:23

Instrument ID: 23297 Calib Start Date: 01/31/2024 11:33

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 01/31/2024 13:47

Lab File ID: 4M28X32.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	0.3931	0.3573	0.1000	45.4	50.0	-9.1	20.0
1,1-Dichloropropene	Ave	0.3256	0.3262		50.1	50.0	0.2	20.0
Isobutyl alcohol	Ave	0.3696	0.3294		557	625	-10.9	20.0
Benzene	Ave	0.996	1.008	0.5000	50.6	50.0	1.3	20.0
1,2-Dichloroethane	Ave	0.3663	0.3356	0.1000	45.8	50.0	-8.4	20.0
t-Amyl methyl ether	Ave	0.7657	0.7701		50.3	50.0	0.6	20.0
n-Heptane	Ave	0.3261	0.3626		55.6	50.0	11.2	20.0
n-Butanol	Ave	0.2790	0.2571		576	625	-7.9	20.0
Trichloroethene	Ave	0.2633	0.2590	0.2000	49.2	50.0	-1.6	20.0
Ethyl acrylate	Ave	0.4713	0.4478		47.5	50.0	-5.0	20.0
Methylcyclohexane	Ave	0.4948	0.4876	0.1000	49.3	50.0	-1.4	20.0
1,2-Dichloropropane	Ave	0.2550	0.2665	0.1000	52.3	50.0	4.5	20.0
t-Amyl ethyl ether	Ave	0.4039	0.3796		47.0	50.0	-6.0	20.0
1,4-Dioxane	Ave	0.0715	0.0731	0.0050	639	625	2.3	20.0
Methyl methacrylate	Ave	0.2844	0.2547		44.8	50.0	-10.5	20.0
Dibromomethane	Ave	0.1982	0.1886		47.6	50.0	-4.9	20.0
Bromodichloromethane	Ave	0.3366	0.3235	0.2000	48.0	50.0	-3.9	20.0
2-Nitropropane	Ave	1.871	1.369		183	250	-26.8*	20.0
2-Chloroethyl vinyl ether	Ave	0.2173	0.1943		44.7	50.0	-10.6	20.0
cis-1,3-Dichloropropene	Ave	0.4341	0.4050	0.2000	46.6	50.0	-6.7	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5129	0.5136	0.1000	100	100	0.1	20.0
Toluene	Ave	0.7979	0.8442	0.4000	52.9	50.0	5.8	20.0
trans-1,3-Dichloropropene	Ave	0.5396	0.4801	0.1000	44.5	50.0	-11.0	20.0
Ethyl methacrylate	Ave	0.5760	0.5731		49.8	50.0	-0.5	20.0
1,1,2-Trichloroethane	Ave	0.3332	0.3231	0.1000	48.5	50.0	-3.0	20.0
Tetrachloroethene	Ave	0.3570	0.3703	0.2000	51.9	50.0	3.7	20.0
1,3-Dichloropropane	Ave	0.5268	0.5167		49.0	50.0	-1.9	20.0
2-Hexanone	Ave	0.5072	0.4759	0.1000	93.8	100	-6.2	20.0
Dibromochloromethane	Ave	0.3801	0.3671		48.3	50.0	-3.4	20.0
1,2-Dibromoethane (EDB)	Ave	0.3999	0.3593	0.1000	44.9	50.0	-10.1	20.0
1-Chlorohexane	Ave	0.4423	0.4442		50.2	50.0	0.4	20.0
Chlorobenzene	Ave	0.9701	0.9641	0.5000	49.7	50.0	-0.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3591	0.3755		52.3	50.0	4.6	20.0
Ethylbenzene	Ave	1.598	1.676	0.1000	52.4	50.0	4.9	20.0
m&p-Xylene	Ave	0.6356	0.6726	0.1000	106	100	5.8	20.0
n-Butyl acrylate	Ave	0.7624	0.8060		52.9	50.0	5.7	20.0
o-Xylene	Ave	0.6626	0.7299	0.3000	55.1	50.0	10.2	20.0
Styrene	Ave	1.097	1.101	0.3000	50.2	50.0	0.4	20.0
Bromoform	Ave	0.3287	0.2839	0.1000	43.2	50.0	-13.6	20.0
Isopropylbenzene	Ave	1.529	1.739	0.1000	56.9	50.0	13.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1

SDG No.:

Lab Sample ID: CCVIS 410-488362/3 Calibration Date: 03/28/2024 20:23

Instrument ID: 23297 Calib Start Date: 01/31/2024 11:33

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 01/31/2024 13:47

Lab File ID: 4M28X32.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1,2,2-Tetrachloroethane	Ave	1.005	1.080	0.3000	53.7	50.0	7.5	20.0
Bromobenzene	Ave	0.7422	0.7421		50.0	50.0	-0.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3463	0.2589		93.5	125	-25.2*	20.0
1,2,3-Trichloropropane	Ave	0.3183	0.3210		50.4	50.0	0.8	20.0
N-Propylbenzene	Ave	2.975	3.502		58.9	50.0	17.7	20.0
2-Chlorotoluene	Ave	0.6750	0.7611		56.4	50.0	12.7	20.0
1,3,5-Trimethylbenzene	Ave	2.210	2.702		61.1	50.0	22.2*	20.0
4-Chlorotoluene	Ave	0.6985	0.7343		52.6	50.0	5.1	20.0
tert-Butylbenzene	Ave	0.4136	0.5134		62.1	50.0	24.1*	20.0
1,2,4-Trimethylbenzene	Ave	2.313	2.726		58.9	50.0	17.9	20.0
sec-Butylbenzene	Ave	2.698	3.443		63.8	50.0	27.7*	20.0
1,3-Dichlorobenzene	Ave	1.411	1.468	0.6000	52.0	50.0	4.0	20.0
p-Isopropyltoluene	Ave	2.426	3.055		63.0	50.0	25.9*	20.0
1,4-Dichlorobenzene	Ave	1.469	1.479	0.5000	50.3	50.0	0.7	20.0
1,2,3-Trimethylbenzene	Ave	2.426	2.904		59.9	50.0	19.7	20.0
Benzyl chloride	Ave	2.176	2.145		49.3	50.0	-1.4	20.0
1,3-Diethylbenzene	Ave	1.447	1.794		62.0	50.0	24.0*	20.0
1,4-Diethylbenzene	Ave	1.533	1.875		61.2	50.0	22.3*	20.0
n-Butylbenzene	Ave	1.204	1.515		62.9	50.0	25.8*	20.0
1,2-Dichlorobenzene	Ave	1.423	1.526	0.4000	53.6	50.0	7.3	20.0
1,2-Diethylbenzene	Ave	1.185	1.498		63.2	50.0	26.4*	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.3081	0.3288	0.0500	53.4	50.0	6.7	20.0
1,3,5-Trichlorobenzene	Ave	0.9939	1.207		60.7	50.0	21.4*	20.0
1,2,4-Trichlorobenzene	Ave	0.9481	1.173	0.2000	61.9	50.0	23.7*	20.0
2-Ethylhexyl acrylate	Ave	0.5758	0.9268		80.4	50.0	60.9*	20.0
Hexachlorobutadiene	Ave	0.3536	0.4545		64.3	50.0	28.5*	20.0
Naphthalene	Ave	3.642	4.351		59.7	50.0	19.5	20.0
1,2,3-Trichlorobenzene	Ave	0.9357	1.150		61.4	50.0	22.8*	20.0
2-Methylnaphthalene	Ave	1.534	2.219		72.3	50.0	44.6*	20.0
Dibromofluoromethane (Surr)	Ave	0.2665	0.2498		46.9	50.0	-6.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0599	0.0631		52.7	50.0	5.4	20.0
Toluene-d8 (Surr)	Ave	1.231	1.345		54.6	50.0	9.2	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5203	0.4910		47.2	50.0	-5.6	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\4M28X32.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 28-Mar-2024 20:23:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109847-003
Misc. Info.: CCVIS
Operator ID: mec29284 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub101

Method: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2024 21:31:18 Calib Date: 31-Jan-2024 13:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1601

First Level Reviewer: K4WN Date: 28-Mar-2024 21:22:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.806	1.806	0.000	99	483311	50.0	53.0	
4 Chloromethane	50	1.983	1.983	0.000	99	484449	50.0	54.1	
5 Vinyl chloride	62	2.086	2.086	0.000	98	471796	50.0	54.2	
6 Butadiene	39	2.098	2.098	0.000	93	560256	50.0	68.4	
8 Bromomethane	94	2.402	2.402	0.000	91	340151	50.0	51.5	
9 Chloroethane	64	2.482	2.482	0.000	100	244062	50.0	53.4	
10 Dichlorofluoromethane	67	2.701	2.701	0.000	97	689116	50.0	49.8	
11 Trichlorofluoromethane	101	2.774	2.774	0.000	96	522527	50.0	49.7	
12 Pentane	43	2.798	2.798	0.000	97	431379	50.0	41.5	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.078	3.078	0.000	91	337410	50.0	49.2	
16 Acrolein	56	3.126	3.126	0.000	100	1069595	500.0	403.8	
17 1,1-Dichloroethene	96	3.279	3.279	0.000	98	265122	50.0	45.2	
18 Acetone	58	3.291	3.291	0.000	86	106992	100.0	81.6	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.309	3.309	0.000	93	305386	50.0	51.5	
21 Iodomethane	142	3.461	3.461	0.000	98	574626	50.0	49.0	
20 Isopropyl alcohol	45	3.473	3.473	0.000	33	292949	250.0	261.9	M
22 Carbon disulfide	76	3.564	3.564	0.000	99	1009938	50.0	50.1	
24 Methyl acetate	43	3.674	3.674	0.000	98	351433	50.0	47.7	
26 3-Chloro-1-propene	41	3.698	3.698	0.000	91	381841	50.0	41.8	
27 Methylene Chloride	84	3.887	3.887	0.000	91	314496	50.0	48.0	
* 28 t-Butyl alcohol-d10 (IS)	65	3.905	3.905	0.000	96	487722	250.0	250.0	
29 2-Methyl-2-propanol	59	4.027	4.027	0.000	99	488190	250.0	231.6	
30 Acrylonitrile	53	4.173	4.173	0.000	99	473753	125.0	113.6	
31 Methyl tert-butyl ether	73	4.252	4.252	0.000	95	885058	50.0	51.1	
32 trans-1,2-Dichloroethene	96	4.258	4.258	0.000	99	253128	50.0	42.3	
34 Hexane	57	4.696	4.696	0.000	94	342552	50.0	47.5	
35 1,1-Dichloroethane	63	4.921	4.921	0.000	96	436517	50.0	43.9	
37 Isopropyl ether	45	4.994	4.994	0.000	94	843503	50.0	53.4	
38 2-Chloro-1,3-butadiene	53	5.037	5.037	0.000	90	365957	50.0	45.2	
39 Tert-butyl ethyl ether	59	5.542	5.542	0.000	98	813245	50.0	50.9	

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	5.748	5.748	0.000	100	535057	100.0	90.8	
41 cis-1,2-Dichloroethene	96	5.773	5.773	0.000	81	289953	50.0	44.8	
42 2,2-Dichloropropane	77	5.797	5.797	0.000	88	427022	50.0	45.3	
44 Propionitrile	54	5.834	5.834	0.000	96	461838	250.0	220.4	
45 Methyl acrylate	55	5.882	5.882	0.000	100	460451	50.0	48.4	
47 Methacrylonitrile	67	6.053	6.053	0.000	93	464673	125.0	117.8	
48 Chlorobromomethane	128	6.113	6.113	0.000	91	154732	50.0	44.6	
49 Tetrahydrofuran	71	6.120	6.120	0.000	92	400824	250.0	212.0	
50 Chloroform	83	6.266	6.266	0.000	93	458589	50.0	40.5	
$ 51 Dibromofluoromethane (Surr)	113	6.485	6.485	0.000	94	263318	50.0	46.9	
52 1,1,1-Trichloroethane	97	6.497	6.497	0.000	98	432382	50.0	45.8	
53 Cyclohexane	56	6.606	6.606	0.000	90	502012	50.0	49.4	
54 Carbon tetrachloride	117	6.710	6.710	0.000	96	376562	50.0	45.4	
55 1,1-Dichloropropene	75	6.716	6.716	0.000	96	343764	50.0	50.1	
56 Isobutyl alcohol	41	6.892	6.892	0.000	95	401639	625.0	557.1	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.947	6.947	0.000	95	66480	50.0	52.7	
58 Benzene	78	6.983	6.983	0.000	96	1062634	50.0	50.6	
59 1,2-Dichloroethane	62	7.056	7.056	0.000	98	353716	50.0	45.8	
61 Tert-amyl methyl ether	73	7.178	7.178	0.000	98	811689	50.0	50.3	
* 62 Fluorobenzene (IS)	96	7.397	7.397	0.000	99	1053971	50.0	50.0	
63 n-Heptane	43	7.421	7.421	0.000	93	382219	50.0	55.6	
64 n-Butanol	56	7.786	7.786	0.000	91	313443	625.0	575.8	
66 Trichloroethene	95	7.884	7.884	0.000	98	272978	50.0	49.2	
67 Ethyl acrylate	55	8.005	8.005	0.000	99	471901	50.0	47.5	
68 Methylcyclohexane	83	8.194	8.194	0.000	92	513944	50.0	49.3	
69 1,2-Dichloropropane	63	8.218	8.218	0.000	91	280904	50.0	52.3	
70 2-ethoxy-2-methyl butane	87	8.237	8.237	0.000	92	400071	50.0	47.0	
73 1,4-Dioxane	88	8.316	8.316	0.000	37	89183	625.0	639.4	
72 Methyl methacrylate	69	8.316	8.316	0.000	93	268397	50.0	44.8	
74 Dibromomethane	93	8.328	8.328	0.000	97	198753	50.0	47.6	
75 Dichlorobromomethane	83	8.571	8.571	0.000	99	340934	50.0	48.0	
76 2-Nitropropane	41	8.845	8.845	0.000	98	667776	250.0	183.0	
77 2-Chloroethyl vinyl ether	63	8.942	8.942	0.000	92	204836	50.0	44.7	
78 cis-1,3-Dichloropropene	75	9.137	9.137	0.000	96	426854	50.0	46.6	
79 4-Methyl-2-pentanone (MIBK)	43	9.326	9.326	0.000	97	1082659	100.0	100.1	
$ 80 Toluene-d8 (Surr)	98	9.459	9.459	0.000	93	1090090	50.0	54.6	
81 Toluene	92	9.545	9.545	0.000	98	684090	50.0	52.9	
82 trans-1,3-Dichloropropene	75	9.818	9.818	0.000	93	389011	50.0	44.5	
100 Ethyl methacrylate	69	9.885	9.885	0.000	90	464443	50.0	49.8	
118 1,1,2-Trichloroethane	97	10.025	10.025	0.000	91	261832	50.0	48.5	
119 Tetrachloroethene	166	10.116	10.116	0.000	97	300039	50.0	51.9	
120 1,3-Dichloropropane	76	10.196	10.196	0.000	91	418668	50.0	49.0	
123 2-Hexanone	43	10.256	10.256	0.000	96	771356	100.0	93.8	
125 Chlorodibromomethane	129	10.415	10.415	0.000	90	297468	50.0	48.3	
127 Ethylene Dibromide	107	10.524	10.524	0.000	98	291176	50.0	44.9	
* 128 Chlorobenzene-d5 (IS)	117	10.974	10.974	0.000	85	810349	50.0	50.0	
129 1-Chlorohexane	91	10.986	10.986	0.000	98	359978	50.0	50.2	
130 Chlorobenzene	112	10.999	10.999	0.000	96	781223	50.0	49.7	
131 1,1,1,2-Tetrachloroethane	131	11.084	11.084	0.000	97	304265	50.0	52.3	
132 Ethylbenzene	91	11.090	11.090	0.000	98	1358299	50.0	52.4	
134 m-Xylene & p-Xylene	106	11.211	11.211	0.000	99	1090088	100.0	105.8	
135 n-Butyl acrylate	55	11.497	11.497	0.000	97	653451	50.0	52.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
136 o-Xylene	106	11.546	11.546	0.000	96	591442	50.0	55.1	
137 Styrene	104	11.558	11.558	0.000	95	892487	50.0	50.2	
138 Bromoform	173	11.710	11.710	0.000	97	230074	50.0	43.2	
139 Isopropylbenzene	105	11.850	11.850	0.000	95	1408987	50.0	56.9	
$ 142 4-Bromofluorobenzene (Surr)	95	11.990	11.990	0.000	92	397910	50.0	47.2	
143 1,1,2,2-Tetrachloroethane	83	12.100	12.100	0.000	95	520641	50.0	53.7	
144 Bromobenzene	156	12.106	12.106	0.000	92	357717	50.0	50.0	
145 trans-1,4-Dichloro-2-butene	53	12.124	12.124	0.000	87	312002	125.0	93.5	
146 1,2,3-Trichloropropane	110	12.142	12.142	0.000	83	154717	50.0	50.4	
147 N-Propylbenzene	91	12.185	12.185	0.000	99	1688282	50.0	58.9	
148 2-Chlorotoluene	126	12.258	12.258	0.000	97	366871	50.0	56.4	
149 1,3,5-Trimethylbenzene	105	12.325	12.325	0.000	94	1302341	50.0	61.1	
150 4-Chlorotoluene	126	12.349	12.349	0.000	97	353959	50.0	52.6	
153 tert-Butylbenzene	134	12.562	12.562	0.000	93	247487	50.0	62.1	
155 1,2,4-Trimethylbenzene	105	12.605	12.605	0.000	97	1314133	50.0	58.9	
156 sec-Butylbenzene	105	12.732	12.732	0.000	94	1659944	50.0	63.8	
158 1,3-Dichlorobenzene	146	12.824	12.824	0.000	98	707557	50.0	52.0	
159 4-Isopropyltoluene	119	12.836	12.836	0.000	97	1472855	50.0	63.0	
* 160 1,4-Dichlorobenzene-d4	152	12.878	12.878	0.000	94	482057	50.0	50.0	
161 1,4-Dichlorobenzene	146	12.897	12.897	0.000	95	712852	50.0	50.3	
162 1,2,3-Trimethylbenzene	105	12.915	12.915	0.000	98	1399807	50.0	59.9	
163 Benzyl chloride	91	12.976	12.976	0.000	98	1034145	50.0	49.3	
164 1,3-Diethylbenzene	119	13.043	13.043	0.000	95	864922	50.0	62.0	
165 p-Diethylbenzene	119	13.116	13.116	0.000	94	903900	50.0	61.2	
166 n-Butylbenzene	92	13.134	13.134	0.000	98	730219	50.0	62.9	
167 1,2-Dichlorobenzene	146	13.158	13.158	0.000	99	735790	50.0	53.6	
168 o-diethylbenzene	119	13.189	13.189	0.000	94	722052	50.0	63.2	
170 1,2-Dibromo-3-Chloropropane	75	13.706	13.706	0.000	89	158497	50.0	53.4	
171 1,3,5-Trichlorobenzene	180	13.834	13.834	0.000	98	581632	50.0	60.7	
172 1,2,4-Trichlorobenzene	180	14.259	14.259	0.000	94	565546	50.0	61.9	
173 2-Ethylhexyl acrylate	55	14.320	14.320	0.000	81	446621	50.0	80.4	
174 Hexachlorobutadiene	225	14.345	14.345	0.000	96	219081	50.0	64.3	
175 Naphthalene	128	14.436	14.436	0.000	97	2097435	50.0	59.7	
176 1,2,3-Trichlorobenzene	180	14.582	14.582	0.000	96	554132	50.0	61.4	
177 2-Methylnaphthalene	142	15.184	15.184	0.000	92	1069586	50.0	72.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#3_00172	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00168	Amount Added:	5.00	Units: uL	
MSV_CCV_VOC#1_00176	Amount Added:	5.00	Units: uL	
MSV_CCV_GASES_00727	Amount Added:	2.50	Units: uL	
MSV_CCV_OH_Sp_00009	Amount Added:	5.00	Units: uL	
MSV_HP04_ISSS_00002	Amount Added:	1.00	Units: uL	Run Reagent

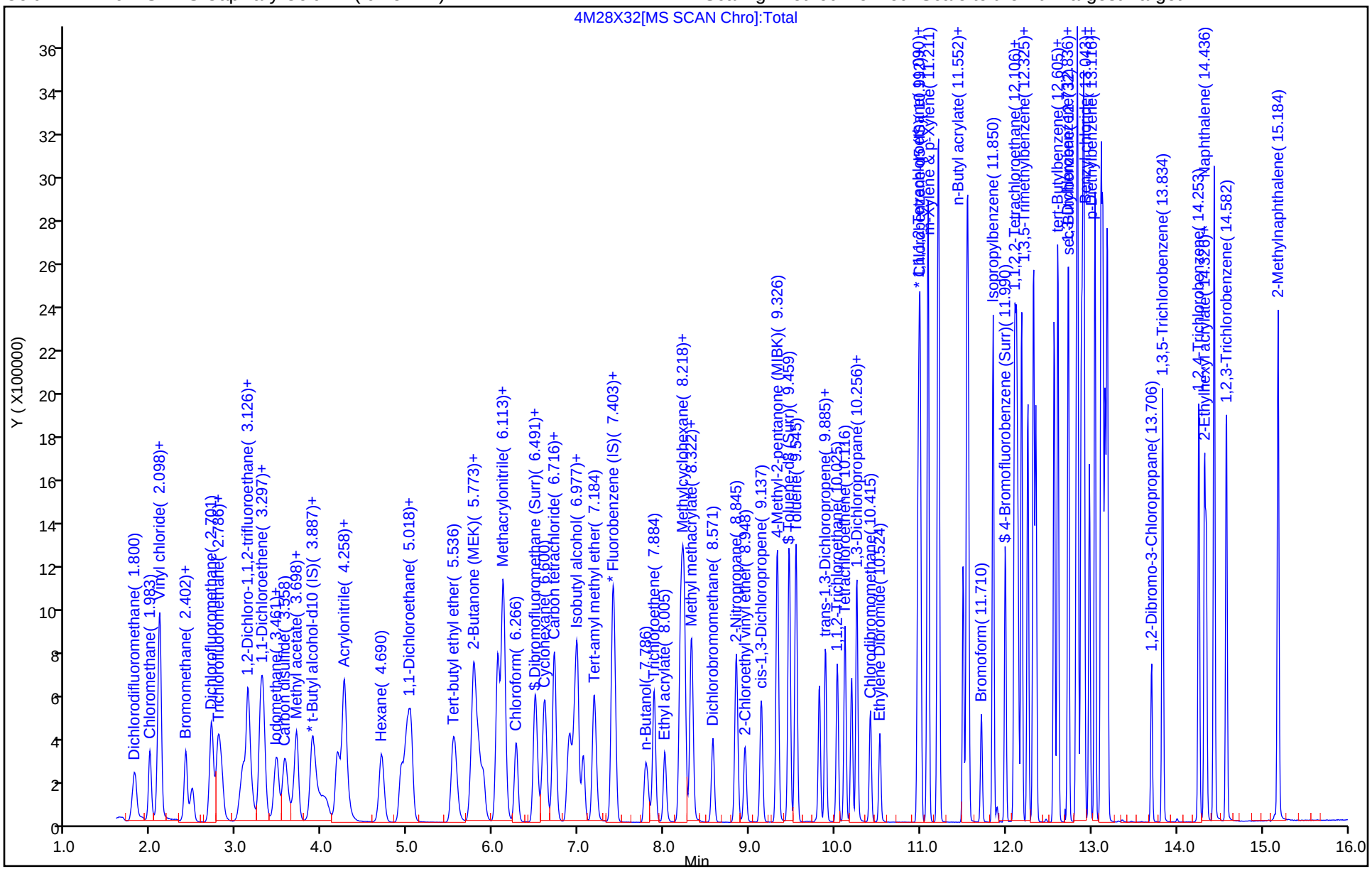
Report Date: 28-Mar-2024 21:31:19 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\4M28X32.D

Injection Date:	28-Mar-2024 20:23:30	Instrument ID:	23297	Operator ID:	mec29284
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

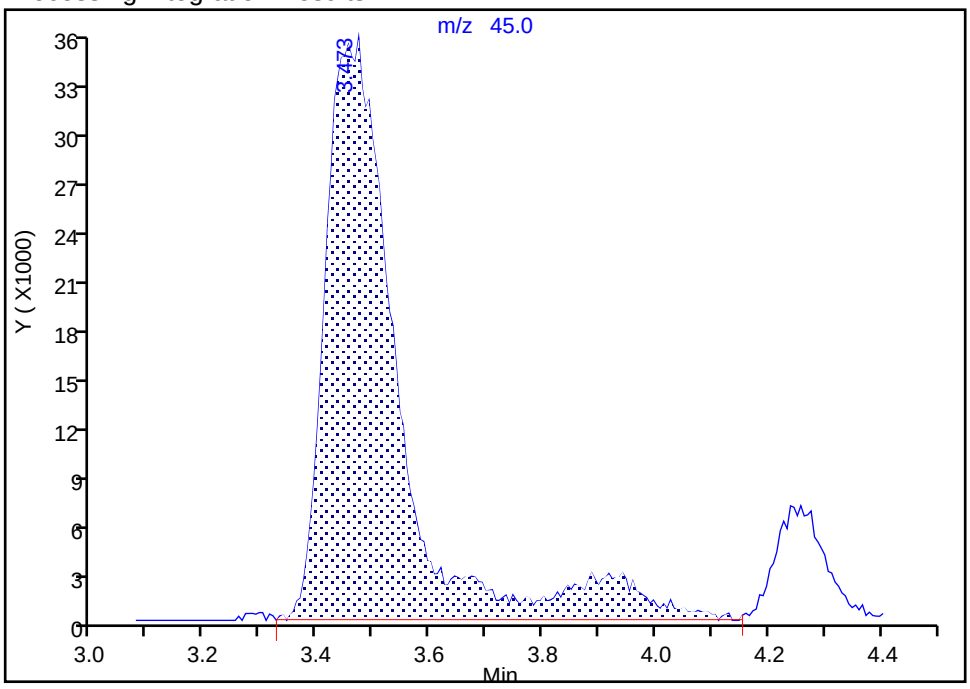
Data File:	\\chromfs\Lancaster\ChromData\23297\20240328-109847.b\4M28X32.D				
Injection Date:	28-Mar-2024 20:23:30	Instrument ID:	23297		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	mec29284	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

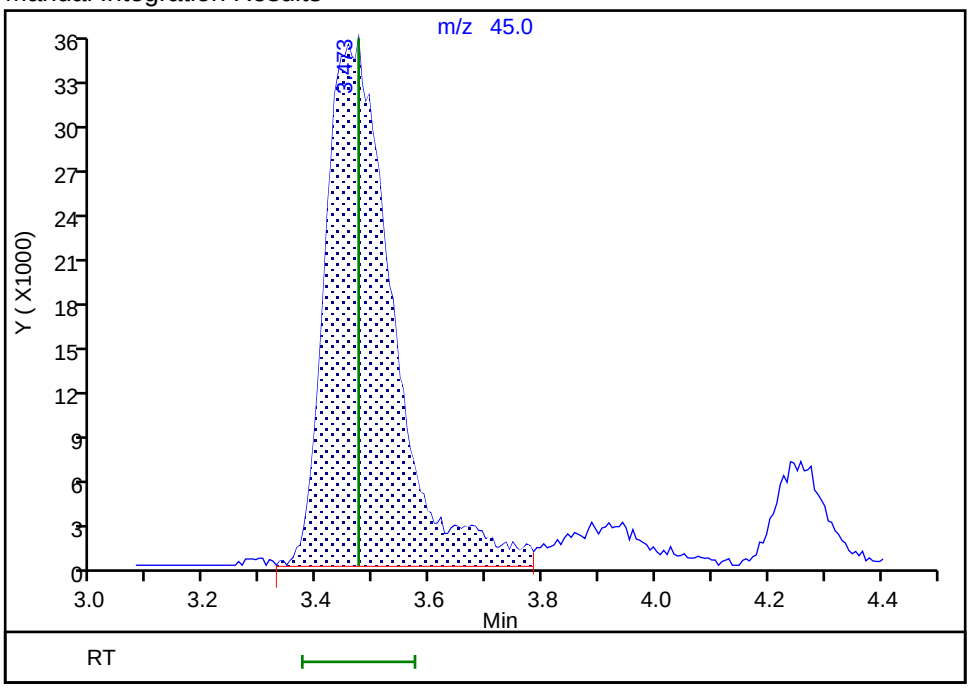
Processing Integration Results

RT: 3.47
Area: 322671
Amount: 288.4401
Amount Units: ug/l



Manual Integration Results

RT: 3.47
Area: 292949
Amount: 261.8712
Amount Units: ug/l



Reviewer: K4WN, 28-Mar-2024 21:21:42 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31T01.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	31-Jan-2024 10:55:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	410-0105215-001				
Misc. Info.:	BFB				
Operator ID:	knk41612	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20240131-105215.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	01-Feb-2024 16:12:09	Calib Date:	31-Jan-2024 13:47:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1617				

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 33 BFB	95	4.612	4.612	0.000	0	203434	NC	NC	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

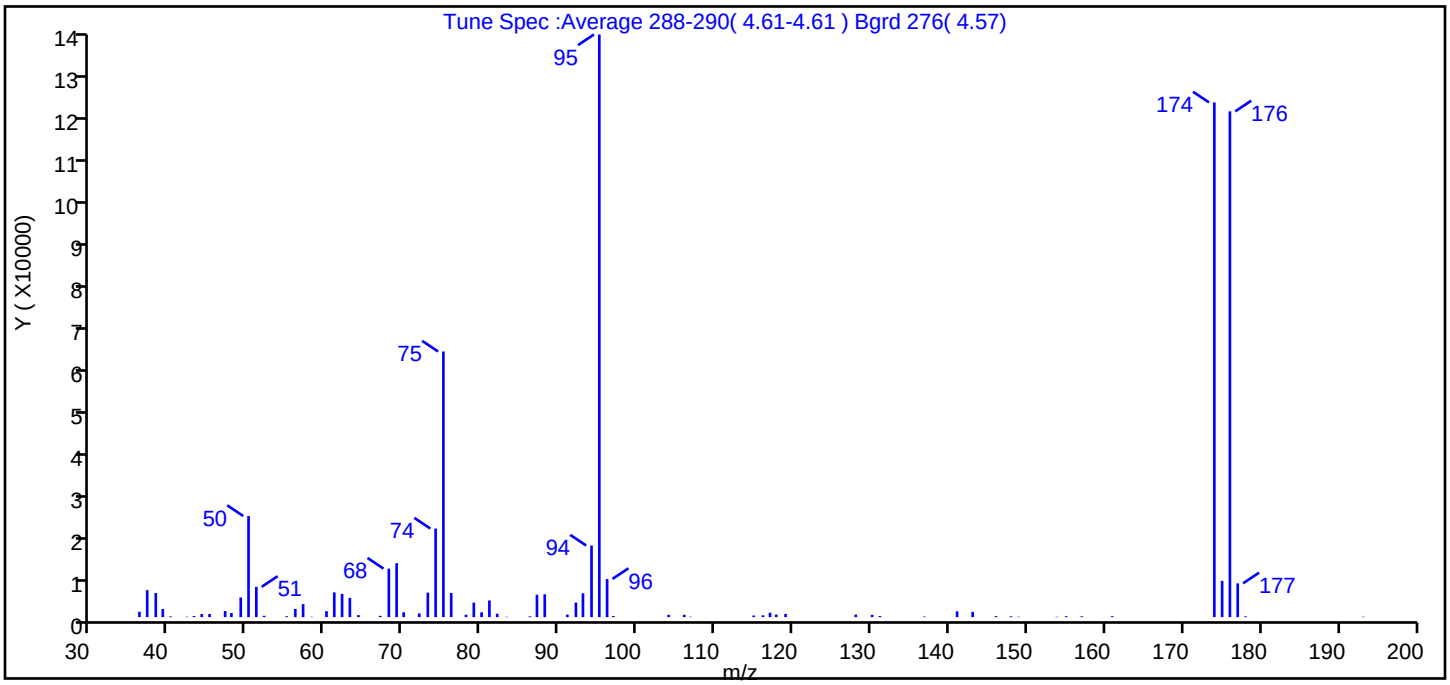
MSV_V_BFB_00016 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31T01.D
Injection Date: 31-Jan-2024 10:55:30 Instrument ID: 23297
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_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	17.4
75	30 to 60% of m/z 95	45.6
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	88.3
175	5 to 9% of m/z 174	6.2 (7.0)
176	Greater than 95% but less than 101% of m/z 174	86.8 (98.3)
177	5 to 9% of m/z 176	5.8 (6.7)

Data File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31T01.D\MSVoa_23297.rslt\spectra.d
Injection Date: 31-Jan-2024 10:55:30
Spectrum: Tune Spec :Average 288-290(4.61-4.61) Bgrd 276(4.57)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 76

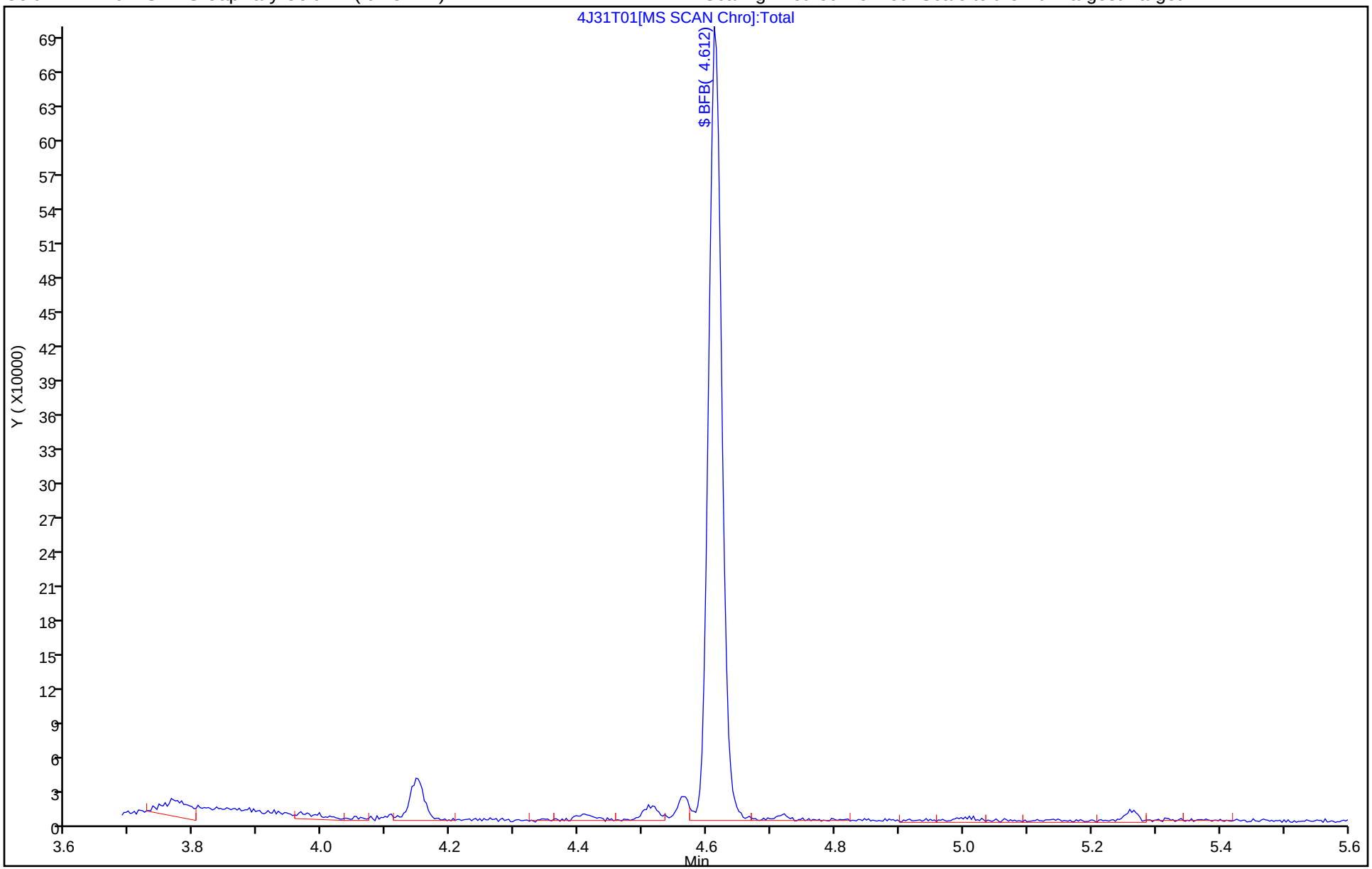
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1246	60.00	1375	83.00	87	128.00	592
37.00	6234	61.00	5705	86.00	200	130.00	546
38.00	5562	62.00	5366	87.00	5162	131.00	252
39.00	1884	63.00	4444	88.00	5277	137.00	136
40.00	180	64.00	478	91.00	588	141.00	1328
42.00	105	67.00	295	92.00	3362	143.00	1217
43.00	267	68.00	11183	93.00	5506	146.00	243
44.00	727	69.00	12453	94.00	16512	148.00	195
45.00	726	70.00	1119	95.00	134336	149.00	92
47.00	1406	72.00	854	96.00	8803	154.00	90
48.00	950	73.00	5649	97.00	279	155.00	219
49.00	4527	74.00	20432	104.00	549	157.00	188
50.00	23320	75.00	61248	106.00	556	161.00	219
51.00	6986	76.00	5557	107.00	101	174.00	118672
52.00	322	78.00	563	115.00	379	175.00	8357
55.00	221	79.00	3354	116.00	429	176.00	116616
56.00	1877	80.00	1117	117.00	1031	177.00	7792
57.00	3011	81.00	3843	118.00	604	178.00	194
58.00	85	82.00	783	119.00	746	193.00	109

Report Date: 01-Feb-2024 16:12:10 Chrom Revision: 2.3 24-Jan-2024 12:19:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31T01.D				
Injection Date:	31-Jan-2024 10:55:30	Instrument ID:	23297	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_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\20240328-109847.b\4M28T31.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 28-Mar-2024 19:46:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: BFB
Operator ID: mec29284 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 29-Mar-2024 12:03:07 Calib Date: 31-Jan-2024 13:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1677

First Level Reviewer: FQ4L Date: 29-Mar-2024 12:03:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 33 BFB	95	4.612	4.612	0.000	0	372496	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

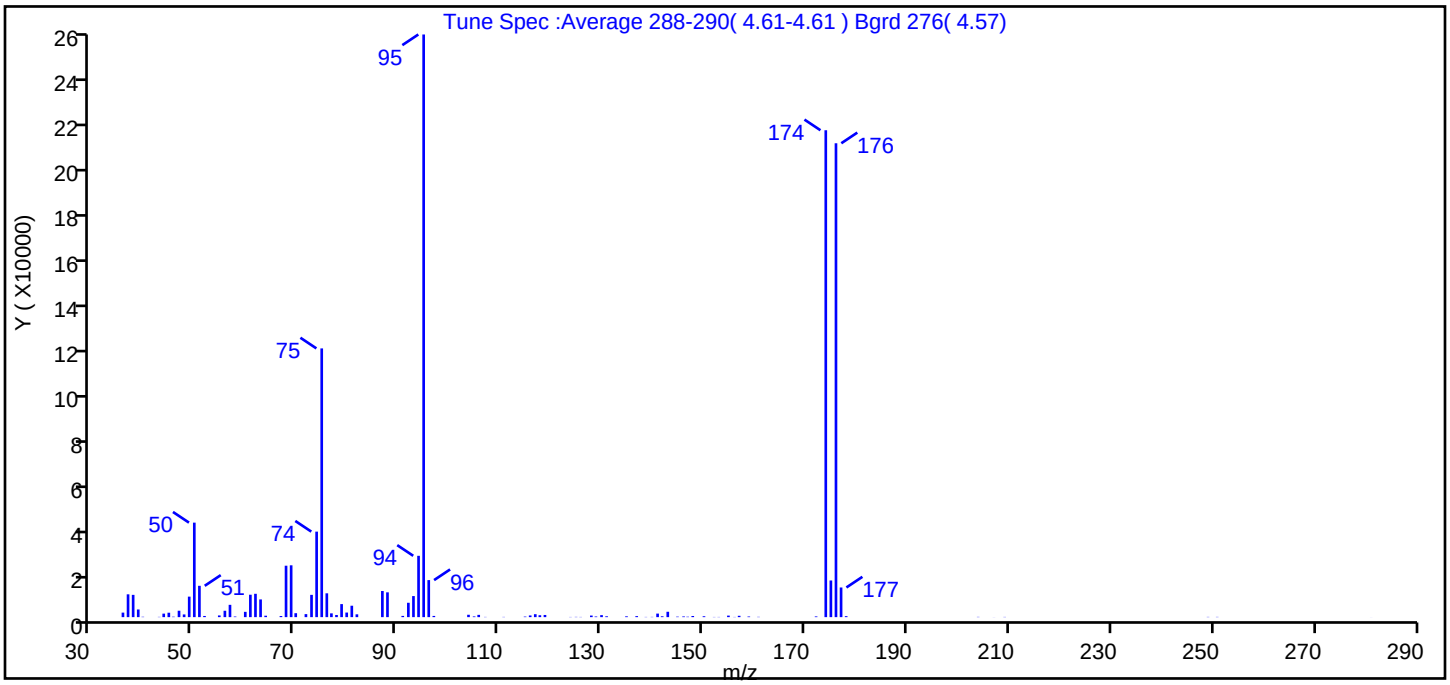
MSV_V_BFB_00016 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\4M28T31.D
Injection Date: 28-Mar-2024 19:46:30 Instrument ID: 23297
Lims ID: bfb
Client ID:
Operator ID: mec29284 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	16.2
75	30 to 60% of m/z 95	46.1
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	83.6
175	5 to 9% of m/z 174	6.3 (7.5)
176	Greater than 95% but less than 101% of m/z 174	81.3 (97.3)
177	5 to 9% of m/z 176	5.1 (6.3)

Data File: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\4M28T31.D\MSVoa_23297.rslt\spectra.d
Injection Date: 28-Mar-2024 19:46:30
Spectrum: Tune Spec :Average 288-290(4.61-4.61) Bgrd 276(4.57)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 96

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1985	67.00	494	104.00	1041	145.00	217
37.00	9989	68.00	22512	105.00	310	146.00	301
38.00	9754	69.00	22688	106.00	1001	147.00	186
39.00	3354	70.00	1728	107.00	101	148.00	499
40.00	160	72.00	1324	111.00	102	150.00	387
43.00	116	73.00	9751	115.00	243	152.00	86
44.00	1536	74.00	37432	116.00	734	153.00	89
45.00	1935	75.00	117632	117.00	1290	155.00	675
46.00	192	76.00	10429	118.00	832	156.00	87
47.00	2807	77.00	1660	119.00	951	157.00	591
48.00	1185	78.00	947	124.00	87	159.00	280
49.00	8979	79.00	5712	125.00	117	161.00	129
50.00	41368	80.00	2008	126.00	91	172.00	316
51.00	13717	81.00	4998	128.00	696	174.00	213120
52.00	512	82.00	1233	129.00	281	175.00	16049
55.00	743	87.00	11437	130.00	878	176.00	207424
56.00	2792	88.00	10859	131.00	369	177.00	12985
57.00	5391	91.00	542	135.00	359	178.00	428
58.00	270	92.00	6289	137.00	452	204.00	116
60.00	2321	93.00	9224	139.00	96	207.00	27
61.00	9812	94.00	26848	140.00	111	209.00	97
62.00	10219	95.00	255040	141.00	1555	249.00	106
63.00	7758	96.00	16213	142.00	371	251.00	109
64.00	628	97.00	531	143.00	2351	281.00	16

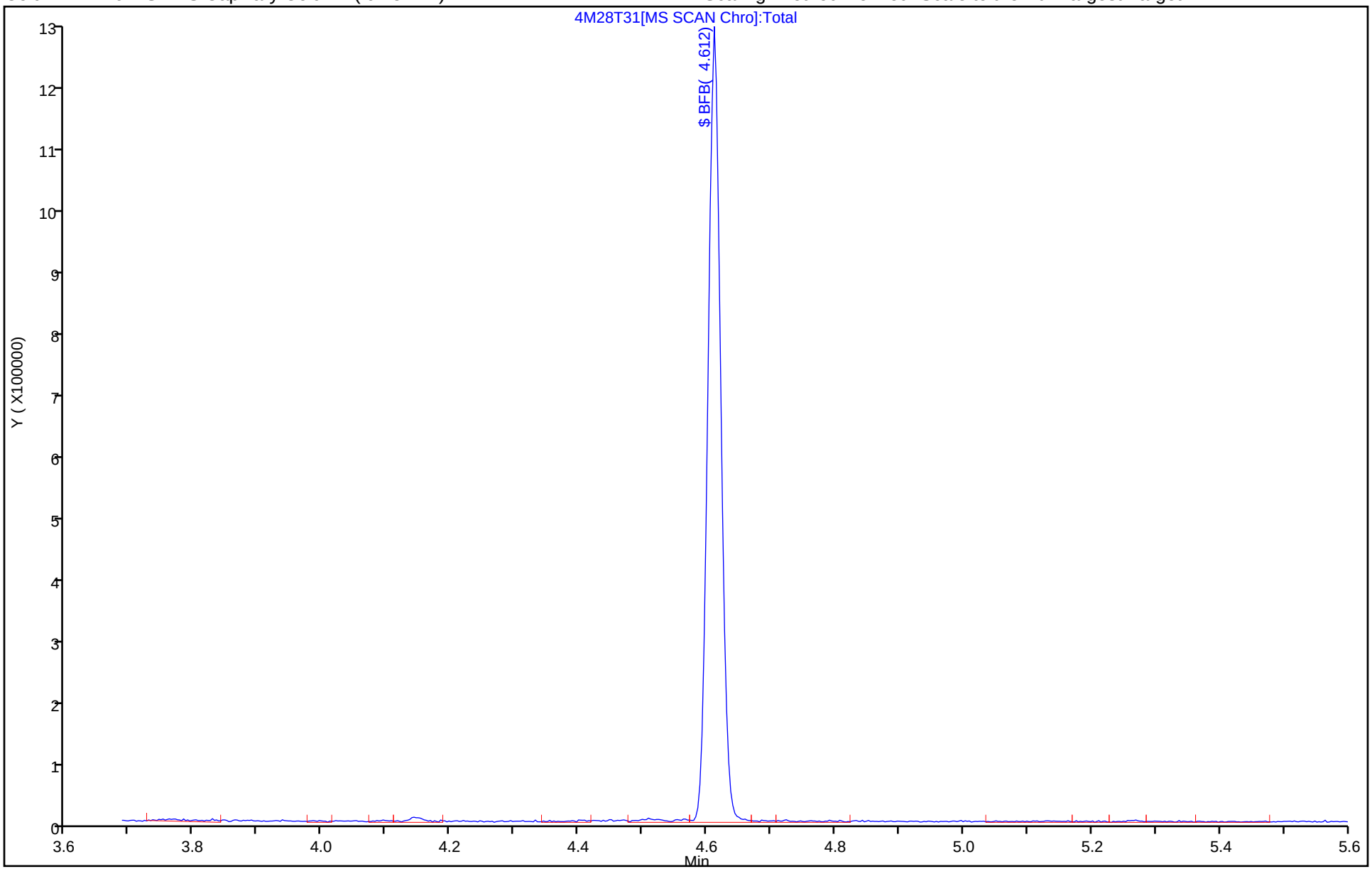
Report Date: 29-Mar-2024 12:03:07 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\4M28T31.D

Injection Date:	28-Mar-2024 19:46:30	Instrument ID:	23297	Operator ID:	mec29284
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



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164763-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-488362/6

Matrix: Water
Lab File ID: 4M28X35.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 03/28/2024 21:31

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.: 488362
Units: ug/L

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
108-88-3	Toluene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164763-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-488362/6

Matrix: Water
Lab File ID: 4M28X35.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 03/28/2024 21:31

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.: 488362
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		80-120
2037-26-5	Toluene-d8 (Surr)	108		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\4M28X35.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 28-Mar-2024 21:31:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109847-006
Operator ID: mec29284 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 29-Mar-2024 12:05:04 Calib Date: 31-Jan-2024 13:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1677

First Level Reviewer: K4WN Date: 28-Mar-2024 21:58:09

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	116		1.770					ND	
2	Dichlorodifluoromethane	85		1.806					ND	
3	Chlorodifluoromethane	51		1.812					ND	7
4	Chloromethane	50		1.983					ND	
5	Vinyl chloride	62		2.086					ND	
6	Butadiene	39		2.098					ND	7
7	2-Chloro-1,1,1-Trifluoroethane	118		2.184					ND	
8	Bromomethane	94		2.402					ND	7
9	Chloroethane	64		2.482					ND	
10	Dichlorofluoromethane	67		2.701					ND	
11	Trichlorofluoromethane	101		2.774					ND	
12	Pentane	43		2.798					ND	7
13	Ethanol	45		2.944					ND	
14	Ethyl ether	59		3.017					ND	
15	1,2-Dichloro-1,1,2-trifluoroetha	67		3.078					ND	
16	Acrolein	56		3.126					ND	
17	1,1-Dichloroethene	96		3.279					ND	
18	Acetone	58		3.291					ND	
19	1,1,2-Trichloro-1,2,2-trifluoroe	101		3.309					ND	
21	Iodomethane	142		3.461					ND	
20	Isopropyl alcohol	45		3.473					ND	
22	Carbon disulfide	76		3.564					ND	
24	Methyl acetate	43		3.674					ND	
23	Acetonitrile	41		3.686					ND	
26	3-Chloro-1-propene	41		3.698					ND	
27	Methylene Chloride	84		3.887					ND	
* 28	t-Butyl alcohol-d10 (IS)	65	3.923	3.905	0.018	35	523079	250.0	250.0	
29	2-Methyl-2-propanol	59		4.027					ND	
30	Acrylonitrile	53		4.173					ND	
31	Methyl tert-butyl ether	73		4.252					ND	
32	trans-1,2-Dichloroethene	96		4.258					ND	
34	Hexane	57		4.696					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63		4.921					ND	
36 Vinyl acetate	43		4.939					ND	
37 Isopropyl ether	45		4.994					ND	
38 2-Chloro-1,3-butadiene	53		5.037					ND	
39 Tert-butyl ethyl ether	59		5.542					ND	
40 2-Butanone (MEK)	43		5.748					ND	
41 cis-1,2-Dichloroethene	96		5.773					ND	
42 2,2-Dichloropropane	77		5.797					ND	
43 Ethyl acetate	43		5.834					ND	
44 Propionitrile	54		5.834					ND	
45 Methyl acrylate	55		5.882					ND	
47 Methacrylonitrile	67		6.053					ND	
48 Chlorobromomethane	128		6.113					ND	
49 Tetrahydrofuran	71		6.120					ND	
S 46 1,2-Dichloroethene, Total	100		6.155					ND	7
50 Chloroform	83		6.266					ND	
$ 51 Dibromofluoromethane (Surr)	113	6.491	6.485	0.006	93	281066	50.0	48.1	
52 1,1,1-Trichloroethane	97		6.497					ND	
53 Cyclohexane	56		6.606					ND	
54 Carbon tetrachloride	117		6.710					ND	
55 1,1-Dichloropropene	75		6.716					ND	
56 Isobutyl alcohol	41		6.892					ND	7
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.953	6.947	0.006	80	68892	50.0	52.5	
58 Benzene	78		6.983					ND	
59 1,2-Dichloroethane	62		7.056					ND	
60 Isopropyl acetate	43		7.093					ND	
61 Tert-amyl methyl ether	73		7.178					ND	
* 62 Fluorobenzene (IS)	96	7.397	7.397	0.000	99	1095630	50.0	50.0	
63 n-Heptane	43		7.421					ND	
64 n-Butanol	56		7.786					ND	
65 t-Amyl alcohol	73		7.884					ND	
66 Trichloroethene	95		7.884					ND	
67 Ethyl acrylate	55		8.005					ND	
68 Methylcyclohexane	83		8.194					ND	
69 1,2-Dichloropropane	63		8.218					ND	
70 2-ethoxy-2-methyl butane	87		8.237					ND	
73 1,4-Dioxane	88		8.316					ND	
72 Methyl methacrylate	69		8.316					ND	
74 Dibromomethane	93		8.328					ND	
71 n-Propyl acetate	61		8.407					ND	
75 Dichlorobromomethane	83		8.571					ND	
76 2-Nitropropane	41		8.845					ND	
77 2-Chloroethyl vinyl ether	63		8.942					ND	
78 cis-1,3-Dichloropropene	75		9.137					ND	
79 4-Methyl-2-pentanone (MIBK)	43		9.326					ND	
$ 80 Toluene-d8 (Surr)	98	9.465	9.459	0.006	93	1108729	50.0	54.2	
81 Toluene	92		9.545					ND	
82 trans-1,3-Dichloropropene	75		9.818					ND	
100 Ethyl methacrylate	69		9.885					ND	
118 1,1,2-Trichloroethane	97		10.025					ND	
S 114 1,3-Dichloropropene, Total	100		10.060					ND	7
119 Tetrachloroethene	166		10.116					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 1,3-Dichloropropane	76		10.196					ND	
121 3,4-Dichloro-1-butene	75		10.232					ND	
123 2-Hexanone	43		10.256					ND	
124 n-Butyl acetate	43		10.390					ND	
125 Chlorodibromomethane	129		10.415					ND	
127 Ethylene Dibromide	107		10.524					ND	
* 128 Chlorobenzene-d5 (IS)	117	10.974	10.974	0.000	85	830768	50.0	50.0	
129 1-Chlorohexane	91		10.986					ND	U
130 Chlorobenzene	112		10.999					ND	
131 1,1,1,2-Tetrachloroethane	131		11.084					ND	
132 Ethylbenzene	91		11.090					ND	
134 m-Xylene & p-Xylene	106		11.211					ND	
S 133 Xylenes, Total	106		11.245					ND	7
135 n-Butyl acrylate	55		11.497					ND	
136 o-Xylene	106		11.546					ND	
137 Styrene	104		11.558					ND	
138 Bromoform	173		11.710					ND	7
139 Isopropylbenzene	105		11.850					ND	
140 cis-1,4-Dichloro-2-butene	88		11.899					ND	
141 Cyclohexanone	55		11.917					ND	7
$ 142 4-Bromofluorobenzene (Surr)	95	11.990	11.990	0.000	92	420770	50.0	48.7	
143 1,1,2,2-Tetrachloroethane	83		12.100					ND	
144 Bromobenzene	156		12.106					ND	
145 trans-1,4-Dichloro-2-butene	53		12.124					ND	
146 1,2,3-Trichloropropane	110		12.142					ND	
147 N-Propylbenzene	91		12.185					ND	
148 2-Chlorotoluene	126		12.258					ND	
149 1,3,5-Trimethylbenzene	105		12.325					ND	
150 4-Chlorotoluene	126		12.349					ND	
151 2,3,4-Trichlorobutene	109		12.398					ND	
153 tert-Butylbenzene	134		12.562					ND	
154 Pentachloroethane	167		12.593					ND	
155 1,2,4-Trimethylbenzene	105		12.605					ND	
156 sec-Butylbenzene	105		12.732					ND	7
158 1,3-Dichlorobenzene	146		12.824					ND	
159 4-Isopropyltoluene	119		12.836					ND	7
* 160 1,4-Dichlorobenzene-d4	152	12.884	12.878	0.006	94	526261	50.0	50.0	
161 1,4-Dichlorobenzene	146		12.897					ND	
162 1,2,3-Trimethylbenzene	105		12.915					ND	
163 Benzyl chloride	91		12.976					ND	7
164 1,3-Diethylbenzene	119		13.043					ND	U
165 p-Diethylbenzene	119		13.116					ND	7
166 n-Butylbenzene	92		13.134					ND	7
167 1,2-Dichlorobenzene	146		13.158					ND	
168 o-diethylbenzene	119		13.189					ND	7
169 Hexachloroethane	201		13.639					ND	
170 1,2-Dibromo-3-Chloropropane	75		13.706					ND	
171 1,3,5-Trichlorobenzene	180	13.840	13.834	0.006	1	1083		0.1035	
172 1,2,4-Trichlorobenzene	180		14.259					ND	7
173 2-Ethylhexyl acrylate	55		14.320					ND	U
174 Hexachlorobutadiene	225		14.345					ND	7
175 Naphthalene	128		14.436					ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
176 1,2,3-Trichlorobenzene	180		14.582					ND	7
177 2-Methylnaphthalene	142		15.184					ND	7
178 C4-C10	1		0.000					ND	
183 trans-1,2,3-Trichlorobutene-2	1		0.000					ND	
184 3-chloro-1-Butene	1		0.000					ND	
185 Propene oxide	1		0.000					ND	
S 186 Total Diethylbenzene	1		0.000					ND	7
179 C6-C12	1		0.000					ND	
180 1-Bromo-2-chloroethane	1		0.000					ND	
181 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
182 1-Chlorobutane	1		0.000					ND	
187 C6-C10	1		0.000					ND	
192 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000					ND	
193 Butane	1		0.000					ND	
S 194 Total BTEX	1		0.000					ND	
195 1,3-Divinylbenzene	1		0.000					ND	
188 Dodecane	57		0.000					ND	
189 cis-1,2,3-Trichlorobutene-2	1		0.000					ND	
190 tert-Butyl Formate	1		0.000					ND	
191 Methylal	1		0.000					ND	
196 Undecane	1		0.000					ND	
197 Chloroacetonitrile	1		0.000					ND	
198 Ethyl bromide	1		0.000					ND	
203 C5-C12	1		0.000					ND	
204 Propanol	1		0.000					ND	
205 Isobutyl acetate	43		0.000					ND	
S 206 divinyl benzene	1		0.000					ND	7
199 sec-Butyl Alcohol	45		0.000					ND	
200 n-Nonane	1		0.000					ND	
201 n-Octane	1		0.000					ND	
202 2,3-Dichloro-1,3-butadiene	1		0.000					ND	
207 C4-C12	1		0.000					ND	
212 2-Butoxyethyl acetate	1		0.000					ND	
213 sec-Butyl Alcohol TIC	1		0.000					ND	
214 2-ethoxy-2-methyl butane TIC	1		0.000					ND	
215 4-Ethyltoluene	1		0.000					ND	
208 n-Decane	57		0.000					ND	
209 1,4-Divinylbenzene	1		0.000					ND	
210 Diethoxymethane	1		0.000					ND	
211 3-Methyl-1-butene	1		0.000					ND	
216 Dimethylformamide TIC	1		0.000					ND	
217 3-Pentanone TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP04_ISSS_00002 Amount Added: 1.00 Units: uL Run Reagent

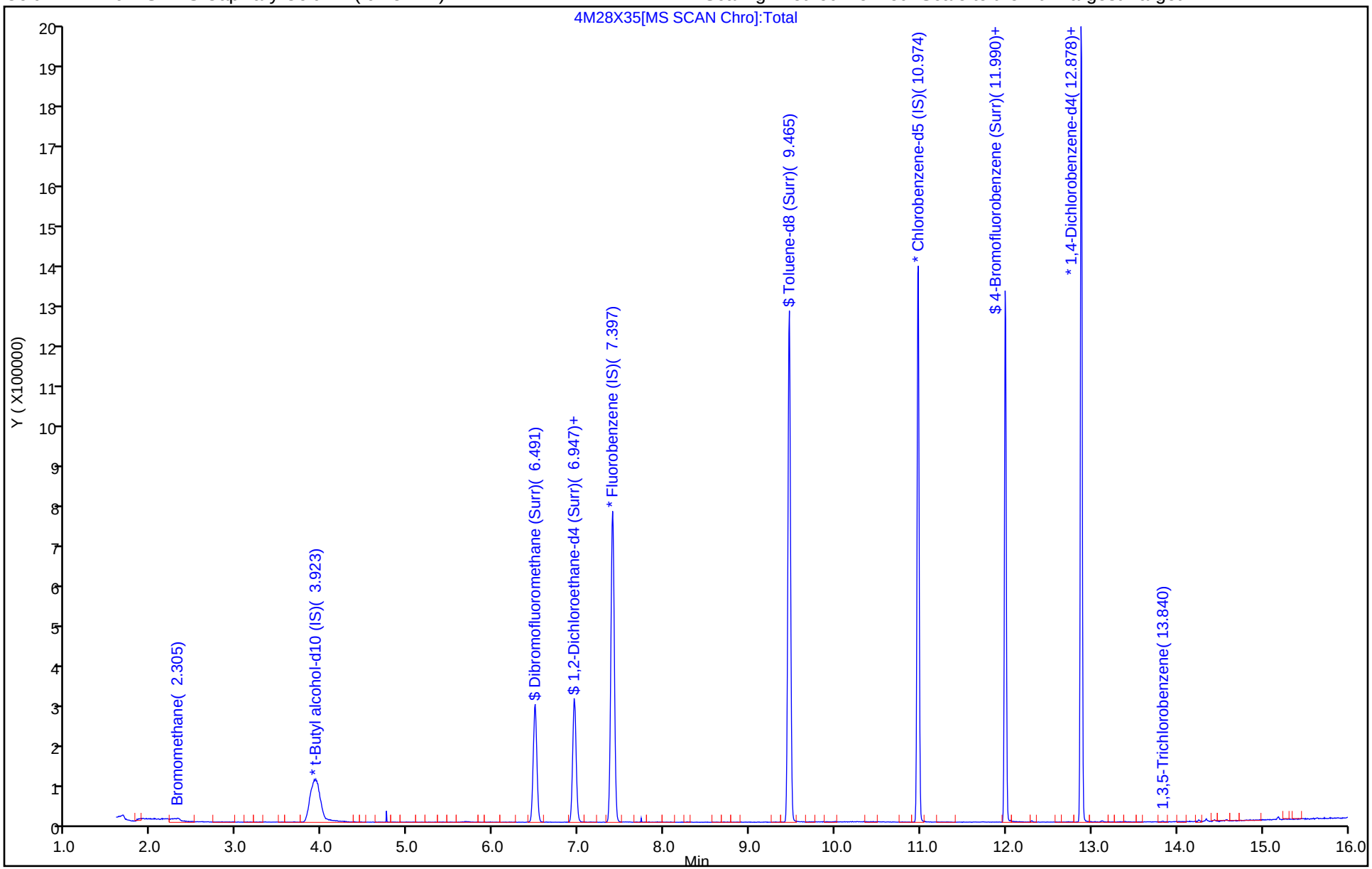
Report Date: 29-Mar-2024 12:05:04 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\4M28X35.D

Injection Date:	28-Mar-2024 21:31:30	Instrument ID:	23297	Operator ID:	mec29284
Lims ID:	MB			Worklist Smp#:	6
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



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\4M28X35.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 28-Mar-2024 21:31:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109847-006
Operator ID: mec29284 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 29-Mar-2024 12:05:04 Calib Date: 31-Jan-2024 13:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1677

First Level Reviewer: K4WN Date: 28-Mar-2024 21:58:09

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	48.1	96.25
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	52.5	105.05
$ 80 Toluene-d8 (Surr)	50.0	54.2	108.38
$ 142 4-Bromofluorobenzene (Surr)	50.0	48.7	97.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164763-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-488362/4

Matrix: Water
Lab File ID: 4M28X33.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 03/28/2024 20:46

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.: 488362
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	20.5		1.0	0.30
71-55-6	1,1,1-Trichloroethane	17.8		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	20.6		1.0	0.30
79-00-5	1,1,2-Trichloroethane	19.4		1.0	0.30
75-34-3	1,1-Dichloroethane	17.5		1.0	0.30
75-35-4	1,1-Dichloroethene	17.6		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	17.3		1.0	0.20
107-06-2	1,2-Dichloroethane	18.3		1.0	0.30
78-87-5	1,2-Dichloropropane	19.8		1.0	0.30
78-93-3	2-Butanone (MEK)	228		10	0.50
591-78-6	2-Hexanone	231		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	243		10	0.50
67-64-1	Acetone	213		20	0.70
71-43-2	Benzene	19.7		1.0	0.30
74-97-5	Bromochloromethane	18.0		5.0	0.20
75-27-4	Bromodichloromethane	18.7		1.0	0.20
75-25-2	Bromoform	16.1		4.0	1.0
74-83-9	Bromomethane	18.2		1.0	0.30
75-15-0	Carbon disulfide	17.8		5.0	0.30
56-23-5	Carbon tetrachloride	17.4		1.0	0.30
108-90-7	Chlorobenzene	19.4		1.0	0.30
75-00-3	Chloroethane	20.4		1.0	0.30
67-66-3	Chloroform	17.0		1.0	0.30
74-87-3	Chloromethane	17.7		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	17.9		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	17.0		1.0	0.20
124-48-1	Dibromochloromethane	18.6		1.0	0.20
100-41-4	Ethylbenzene	20.8		1.0	0.40
1634-04-4	Methyl tert-butyl ether	18.7		1.0	0.20
75-09-2	Methylene Chloride	19.0		1.0	0.30
100-42-5	Styrene	19.4		5.0	0.30
127-18-4	Tetrachloroethene	20.8		1.0	0.30
108-88-3	Toluene	21.0		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164763-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-488362/4

Matrix: Water
Lab File ID: 4M28X33.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 03/28/2024 20:46

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.: 488362
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	16.8		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	16.8		1.0	0.20
79-01-6	Trichloroethene	19.5		1.0	0.30
75-01-4	Vinyl chloride	17.9		1.0	0.30
1330-20-7	Xylenes, Total	62.6		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		80-120
2037-26-5	Toluene-d8 (Surr)	111		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\4M28X33.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 28-Mar-2024 20:46:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109847-004
Operator ID: mec29284 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2024 21:31:18 Calib Date: 31-Jan-2024 13:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1601

First Level Reviewer: K4WN Date: 28-Mar-2024 21:29:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.819	1.806	0.013	99	146409	20.0	15.4	
4 Chloromethane	50	1.995	1.983	0.012	99	165012	20.0	17.7	
5 Vinyl chloride	62	2.098	2.086	0.012	97	162017	20.0	17.9	
6 Butadiene	39	2.111	2.098	0.013	94	218711	20.0	25.6	
8 Bromomethane	94	2.409	2.402	0.007	91	125171	20.0	18.2	
9 Chloroethane	64	2.488	2.482	0.006	100	97187	20.0	20.4	
10 Dichlorofluoromethane	67	2.713	2.701	0.012	97	244496	20.0	17.0	
11 Trichlorofluoromethane	101	2.780	2.774	0.006	98	179060	20.0	16.4	
12 Pentane	43	2.810	2.798	0.012	97	149737	20.0	13.8	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.084	3.078	0.006	91	134573	20.0	18.9	
16 Acrolein	56	3.145	3.126	0.019	99	343767	150.0	127.3	
17 1,1-Dichloroethene	96	3.291	3.279	0.013	46	107410	20.0	17.6	
18 Acetone	58	3.297	3.291	0.006	100	285318	250.0	213.3	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.321	3.309	0.012	91	98157	20.0	15.9	
21 Iodomethane	142	3.479	3.461	0.018	98	215394	20.0	17.7	
20 Isopropyl alcohol	45	3.473	3.473	0.000	98	198424	150.0	174.0	
22 Carbon disulfide	76	3.577	3.564	0.013	99	372606	20.0	17.8	
24 Methyl acetate	43	3.680	3.674	0.006	98	145666	20.0	19.0	
26 3-Chloro-1-propene	41	3.711	3.698	0.013	91	151190	20.0	15.9	
27 Methylene Chloride	84	3.905	3.887	0.018	92	129391	20.0	19.0	
* 28 t-Butyl alcohol-d10 (IS)	65	3.923	3.905	0.018	97	497320	250.0	250.0	
29 2-Methyl-2-propanol	59	4.045	4.027	0.018	99	396645	200.0	184.6	
30 Acrylonitrile	53	4.185	4.173	0.012	98	394096	100.0	90.8	
31 Methyl tert-butyl ether	73	4.270	4.252	0.018	94	336881	20.0	18.7	
32 trans-1,2-Dichloroethene	96	4.270	4.258	0.012	99	104696	20.0	16.8	
34 Hexane	57	4.702	4.696	0.006	93	120027	20.0	16.0	
35 1,1-Dichloroethane	63	4.933	4.921	0.012	96	181584	20.0	17.5	
37 Isopropyl ether	45	5.006	4.994	0.012	94	327431	20.0	19.9	
38 2-Chloro-1,3-butadiene	53	5.049	5.037	0.012	90	144830	20.0	17.2	
39 Tert-butyl ethyl ether	59	5.548	5.542	0.006	97	323452	20.0	19.5	
40 2-Butanone (MEK)	43	5.755	5.748	0.007	100	1397025	250.0	227.8	
41 cis-1,2-Dichloroethene	96	5.779	5.773	0.006	80	120754	20.0	17.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 2,2-Dichloropropane	77	5.797	5.797	0.000	57	171681	20.0	17.5	
44 Propionitrile	54	5.840	5.834	0.006	98	284457	150.0	133.1	
45 Methyl acrylate	55	5.895	5.882	0.013	100	200106	20.0	20.2	
47 Methacrylonitrile	67	6.059	6.053	0.006	92	577013	150.0	140.6	
48 Chlorobromomethane	128	6.114	6.113	0.001	89	65078	20.0	18.0	
49 Tetrahydrofuran	71	6.132	6.120	0.012	90	162012	100.0	84.0	
50 Chloroform	83	6.278	6.266	0.012	93	200345	20.0	17.0	
$ 51 Dibromofluoromethane (Surr)	113	6.497	6.485	0.012	94	279533	50.0	47.8	
52 1,1,1-Trichloroethane	97	6.503	6.497	0.006	97	175407	20.0	17.8	
53 Cyclohexane	56	6.612	6.606	0.006	91	180018	20.0	17.0	
54 Carbon tetrachloride	117	6.722	6.710	0.012	86	150029	20.0	17.4	
55 1,1-Dichloropropene	75	6.722	6.716	0.006	95	139512	20.0	19.5	
56 Isobutyl alcohol	41	6.898	6.892	0.006	95	322154	500.0	438.2	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.953	6.947	0.006	89	69804	50.0	53.2	
58 Benzene	78	6.990	6.983	0.007	96	430766	20.0	19.7	
59 1,2-Dichloroethane	62	7.057	7.056	0.000	97	147044	20.0	18.3	
61 Tert-amyl methyl ether	73	7.184	7.178	0.006	98	319337	20.0	19.0	
* 62 Fluorobenzene (IS)	96	7.403	7.397	0.006	99	1096717	50.0	50.0	
63 n-Heptane	43	7.422	7.421	0.001	94	140738	20.0	19.7	
64 n-Butanol	56	7.793	7.786	0.007	91	492423	1000.0	887.1	
66 Trichloroethene	95	7.890	7.884	0.006	98	112483	20.0	19.5	
67 Ethyl acrylate	55	8.012	8.005	0.007	99	188963	20.0	18.3	
68 Methylcyclohexane	83	8.200	8.194	0.006	91	183331	20.0	16.9	
69 1,2-Dichloropropane	63	8.218	8.218	0.000	97	110672	20.0	19.8	
70 2-ethoxy-2-methyl butane	87	8.243	8.237	0.006	92	144114	20.0	16.3	
73 1,4-Dioxane	88	8.322	8.316	0.006	45	70094	500.0	492.8	
72 Methyl methacrylate	69	8.322	8.316	0.006	93	101540	20.0	16.3	
74 Dibromomethane	93	8.328	8.328	0.000	97	79591	20.0	18.3	
75 Dichlorobromomethane	83	8.571	8.571	0.000	99	137802	20.0	18.7	
76 2-Nitropropane	41	8.851	8.845	0.006	98	50342	20.0	13.5	
77 2-Chloroethyl vinyl ether	63	8.949	8.942	0.006	92	77261	20.0	16.2	
78 cis-1,3-Dichloropropene	75	9.143	9.137	0.006	96	161668	20.0	17.0	
79 4-Methyl-2-pentanone (MIBK)	43	9.326	9.326	0.000	97	2730533	250.0	242.7	
$ 80 Toluene-d8 (Surr)	98	9.466	9.459	0.007	93	1125283	50.0	55.3	
81 Toluene	92	9.545	9.545	0.000	98	276821	20.0	21.0	
82 trans-1,3-Dichloropropene	75	9.818	9.818	0.000	93	149354	20.0	16.8	
100 Ethyl methacrylate	69	9.891	9.885	0.006	90	173060	20.0	18.2	
118 1,1,2-Trichloroethane	97	10.031	10.025	0.006	91	106648	20.0	19.4	
119 Tetrachloroethene	166	10.117	10.116	0.001	97	122850	20.0	20.8	
120 1,3-Dichloropropane	76	10.196	10.196	0.000	91	165183	20.0	19.0	
123 2-Hexanone	43	10.256	10.256	0.000	96	1938712	250.0	231.3	
125 Chlorodibromomethane	129	10.415	10.415	0.000	90	116549	20.0	18.6	
127 Ethylene Dibromide	107	10.524	10.524	0.000	97	114489	20.0	17.3	
* 128 Chlorobenzene-d5 (IS)	117	10.974	10.974	0.000	85	826159	50.0	50.0	
129 1-Chlorohexane	91	10.987	10.986	0.000	98	136326	20.0	18.7	
130 Chlorobenzene	112	10.999	10.999	0.000	96	310713	20.0	19.4	
131 1,1,1,2-Tetrachloroethane	131	11.084	11.084	0.000	96	121867	20.0	20.5	
132 Ethylbenzene	91	11.090	11.090	0.000	98	549388	20.0	20.8	
134 m-Xylene & p-Xylene	106	11.212	11.211	0.001	100	435617	40.0	41.5	
135 n-Butyl acrylate	55	11.498	11.497	0.001	97	263325	20.0	20.9	
136 o-Xylene	106	11.540	11.546	-0.006	96	230986	20.0	21.1	
137 Styrene	104	11.558	11.558	0.000	95	352537	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
138 Bromoform	173	11.717	11.710	0.007	97	87608	20.0	16.1	
139 Isopropylbenzene	105	11.850	11.850	0.000	95	604371	20.0	23.9	
$ 142 4-Bromofluorobenzene (Surr)	95	11.990	11.990	0.000	91	407081	50.0	47.4	
143 1,1,2,2-Tetrachloroethane	83	12.100	12.100	0.000	93	206629	20.0	20.6	
144 Bromobenzene	156	12.106	12.106	0.000	94	143454	20.0	19.3	
145 trans-1,4-Dichloro-2-butene	53	12.124	12.124	0.000	94	246281	100.0	71.1	
146 1,2,3-Trichloropropane	110	12.142	12.142	0.000	82	61568	20.0	19.3	
147 N-Propylbenzene	91	12.185	12.185	0.000	99	688493	20.0	23.1	
148 2-Chlorotoluene	126	12.258	12.258	0.000	97	146091	20.0	21.6	
149 1,3,5-Trimethylbenzene	105	12.325	12.325	0.000	94	511417	20.0	23.1	
150 4-Chlorotoluene	126	12.349	12.349	0.000	97	140367	20.0	20.1	
153 tert-Butylbenzene	134	12.562	12.562	0.000	93	94783	20.0	22.9	
155 1,2,4-Trimethylbenzene	105	12.605	12.605	0.000	98	524444	20.0	22.7	
156 sec-Butylbenzene	105	12.732	12.732	0.000	94	647401	20.0	24.0	
158 1,3-Dichlorobenzene	146	12.824	12.824	0.000	98	287059	20.0	20.3	
159 4-Isopropyltoluene	119	12.842	12.836	0.006	97	568051	20.0	23.4	
* 160 1,4-Dichlorobenzene-d4	152	12.885	12.878	0.007	93	500268	50.0	50.0	
161 1,4-Dichlorobenzene	146	12.903	12.897	0.006	95	292468	20.0	19.9	
162 1,2,3-Trimethylbenzene	105	12.915	12.915	0.000	98	526545	20.0	21.7	
163 Benzyl chloride	91	12.976	12.976	0.000	98	386434	20.0	17.7	
164 1,3-Diethylbenzene	119	13.043	13.043	0.000	95	339745	20.0	23.5	
165 p-Diethylbenzene	119	13.116	13.116	0.000	94	357120	20.0	23.3	
166 n-Butylbenzene	92	13.134	13.134	0.000	97	284791	20.0	23.6	
167 1,2-Dichlorobenzene	146	13.158	13.158	0.000	99	297889	20.0	20.9	
168 o-diethylbenzene	119	13.183	13.189	-0.006	95	274433	20.0	23.1	
170 1,2-Dibromo-3-Chloropropane	75	13.700	13.706	-0.006	88	59557	20.0	19.3	
171 1,3,5-Trichlorobenzene	180	13.834	13.834	0.000	98	230857	20.0	23.2	
172 1,2,4-Trichlorobenzene	180	14.259	14.259	0.000	94	226021	20.0	23.8	
173 2-Ethylhexyl acrylate	55	14.320	14.320	0.000	81	168860	20.0	29.3	
174 Hexachlorobutadiene	225	14.345	14.345	0.000	97	87805	20.0	24.8	
175 Naphthalene	128	14.436	14.436	0.000	97	822158	20.0	22.6	
176 1,2,3-Trichlorobenzene	180	14.582	14.582	0.000	96	214193	20.0	22.9	
177 2-Methylnaphthalene	142	15.184	15.184	0.000	92	397098	20.0	25.9	

QC Flag Legend

Processing Flags

Reagents:

MSV_LCS_Gases_00190	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00160	Amount Added: 50.00	Units: uL	
MSV_LCS_VOC#1_00159	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00164	Amount Added: 50.00	Units: uL	
MSV_LCS_OH_Sp_00011	Amount Added: 50.00	Units: uL	
MSV_HP04_ISSS_00002	Amount Added: 1.00	Units: uL	Run Reagent

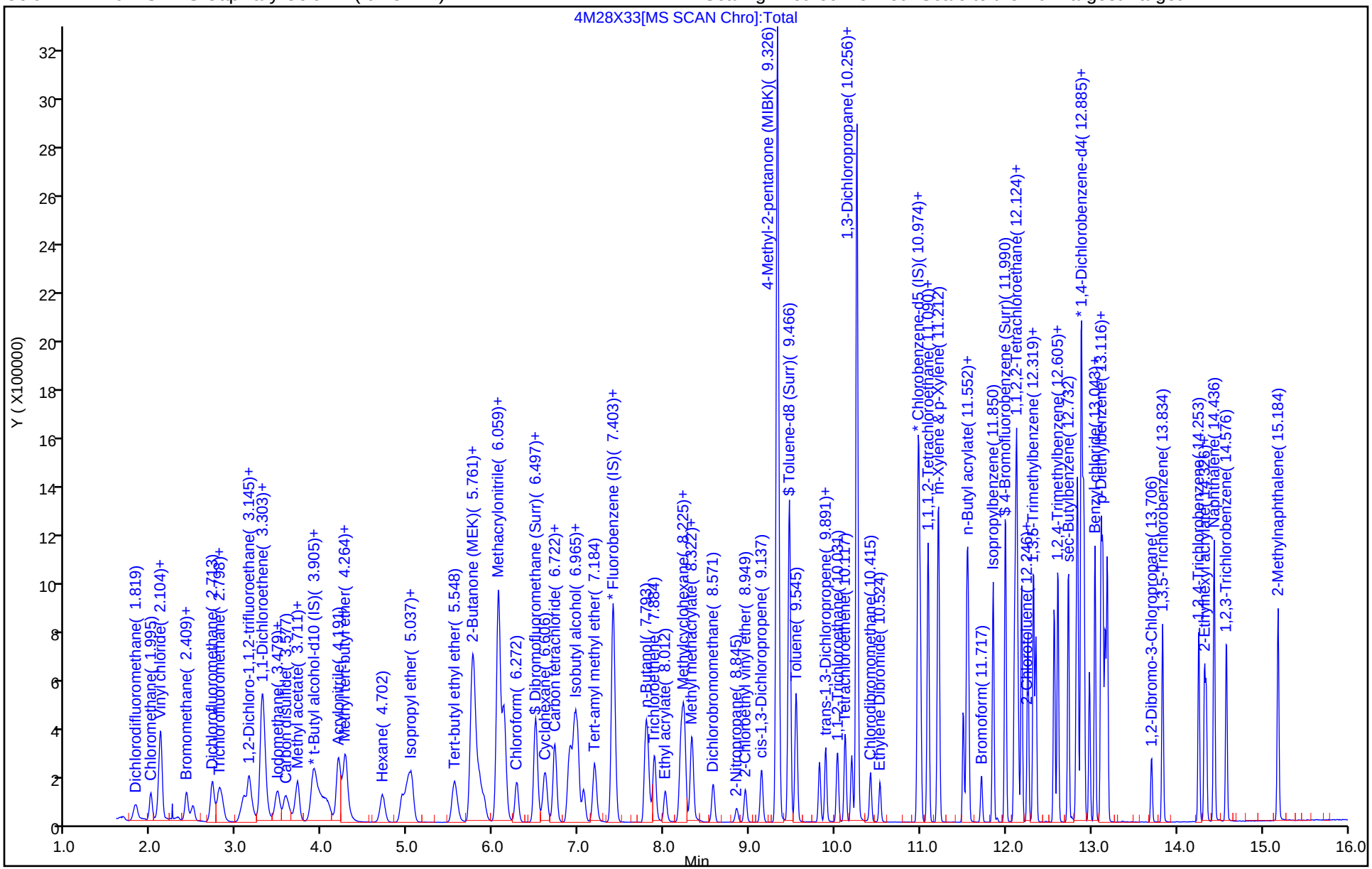
Report Date: 28-Mar-2024 21:31:24 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\4M28X33.D

Injection Date:	28-Mar-2024 20:46:30	Instrument ID:	23297	Operator ID:	mec29284
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\20240328-109847.b\4M28X33.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 28-Mar-2024 20:46:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109847-004
Operator ID: mec29284 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20240328-109847.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2024 21:31:18 Calib Date: 31-Jan-2024 13:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240131-105215.b\4J31X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1601

First Level Reviewer: K4WN Date: 28-Mar-2024 21:29:55

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	47.8	95.63
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	53.2	106.33
$ 80 Toluene-d8 (Surr)	50.0	55.3	110.61
$ 142 4-Bromofluorobenzene (Surr)	50.0	47.4	94.70

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1

SDG No.:

Instrument ID: 23297 Start Date: 01/31/2024 10:55

Analysis Batch Number: 468517 End Date: 01/31/2024 14:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-468517/1		01/31/2024 10:55	1	4J31T01.D	R-624SilMS 30m 0.25(mm)
IC 410-468517/3		01/31/2024 11:33	1	4J31X02.D	R-624SilMS 30m 0.25(mm)
IC 410-468517/4		01/31/2024 11:56	1	4J31X03.D	R-624SilMS 30m 0.25(mm)
IC 410-468517/5		01/31/2024 12:18	1	4J31X04.D	R-624SilMS 30m 0.25(mm)
IC 410-468517/6		01/31/2024 12:40	1	4J31X05.D	R-624SilMS 30m 0.25(mm)
ICIS 410-468517/7		01/31/2024 13:03	1	4J31X06.D	R-624SilMS 30m 0.25(mm)
IC 410-468517/8		01/31/2024 13:25	1	4J31X07.D	R-624SilMS 30m 0.25(mm)
IC 410-468517/9		01/31/2024 13:47	1	4J31X08.D	R-624SilMS 30m 0.25(mm)
ICV 410-468517/11		01/31/2024 14:32	1	4J31X10.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164763-1

SDG No.:

Instrument ID: 23297 Start Date: 03/28/2024 19:46

Analysis Batch Number: 488362 End Date: 03/29/2024 05:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-488362/1		03/28/2024 19:46	1	4M28T31.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-488362/3		03/28/2024 20:23	1	4M28X32.D	R-624SilMS 30m 0.25(mm)
LCS 410-488362/4		03/28/2024 20:46	1	4M28X33.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 21:08	1		R-624SilMS 30m 0.25(mm)
MB 410-488362/6		03/28/2024 21:31	1	4M28X35.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 21:54	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 22:16	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 22:39	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 23:01	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 23:24	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 23:46	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/29/2024 00:09	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/29/2024 00:31	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/29/2024 00:54	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/29/2024 01:16	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/29/2024 01:39	1		R-624SilMS 30m 0.25(mm)
410-164763-1	HD-MW-166-0/1-0	03/29/2024 02:02	1	4M28X47.D	R-624SilMS 30m 0.25(mm)
410-164763-2	HD-MW-167-0/1-0	03/29/2024 02:24	1	4M28X48.D	R-624SilMS 30m 0.25(mm)
410-164763-3	HD-MW-168-0/1-0	03/29/2024 02:47	1	4M28X49.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		03/29/2024 03:09	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/29/2024 03:32	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/29/2024 03:55	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/29/2024 04:17	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/29/2024 04:40	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/29/2024 05:02	5		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/29/2024 05:25	50		R-624SilMS 30m 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-164763-1

SDG No.:

Batch Number: 468517 | Batch Start Date: 01/31/24 10:55 | 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_4ppbEtoh 00607	MSV_CCV_2CEVE 00160	MSV_CCV_CYC 00008
BFB 410-468517/1		8260D			1 uL	1 uL				
IC 410-468517/3		8260D			5 mL	5 mL	2722	12.5 mL		
IC 410-468517/4		8260D			5 mL	5 mL	2722		4 uL	32 uL
IC 410-468517/5		8260D			5 mL	5 mL	2722		2 uL	8 uL
IC 410-468517/6		8260D			5 mL	5 mL	2722		4 uL	16 uL
ICIS 410-468517/7		8260D			5 mL	5 mL	2722		5 uL	10 uL
IC 410-468517/8		8260D			5 mL	5 mL	2722		5 uL	10 uL
IC 410-468517/9		8260D			5 mL	5 mL	2722		15 uL	30 uL
ICV 410-468517/11		8260D			5 mL	5 mL	2722			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_ETOH 00005	MSV_CCV_GASES 00717	MSV_CCV_OH_Sp 00005	MSV_CCV_VOC#1 00168	MSV_CCV_VOC#3 00164	MSV_HP04_ISSS 00001
BFB 410-468517/1		8260D								
IC 410-468517/3		8260D								1 uL
IC 410-468517/4		8260D			20 uL	2 uL	4 uL	4 uL	3.2 uL	1 uL
IC 410-468517/5		8260D			8 uL	1 uL	2 uL	2 uL	1.6 uL	1 uL
IC 410-468517/6		8260D			16 uL	2 uL	4 uL	4 uL	3.2 uL	1 uL
ICIS 410-468517/7		8260D			10 uL	2.5 uL	5 uL	5 uL	4 uL	1 uL
IC 410-468517/8		8260D			10 uL	2.5 uL	5 uL	5 uL	4 uL	1 uL
IC 410-468517/9		8260D			30 uL	7.5 uL	15 uL	15 uL	12 uL	1 uL
ICV 410-468517/11		8260D								1 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_2CEVE 00156	MSV_LCS_ACROL 00152	MSV_LCS_CYC 00008	MSV_LCS_ETOH 00005	MSV_LCS_Gases 00181	MSV_LCS_OH_Sp 00009
BFB 410-468517/1		8260D								
IC 410-468517/3		8260D								
IC 410-468517/4		8260D								
IC 410-468517/5		8260D								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-164763-1

SDG No.:

Batch Number: 468517 | Batch Start Date: 01/31/24 10:55 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_2CEVE 00156	MSV_LCS_ACROL 00152	MSV_LCS_CYC 00008	MSV_LCS_ETOH 00005	MSV_LCS_Gases 00181	MSV_LCS_OH_Sp 00009
IC 410-468517/6		8260D								
ICIS 410-468517/7		8260D								
IC 410-468517/8		8260D								
IC 410-468517/9		8260D								
ICV 410-468517/11		8260D			50 uL	50 uL	50 uL	50 uL	50 uL	50 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_VOC#1 00151	MSV_V_BFB 00016				
BFB 410-468517/1		8260D				1 uL				
IC 410-468517/3		8260D								
IC 410-468517/4		8260D								
IC 410-468517/5		8260D								
IC 410-468517/6		8260D								
ICIS 410-468517/7		8260D								
IC 410-468517/8		8260D								
IC 410-468517/9		8260D								
ICV 410-468517/11		8260D			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.: 410-164763-1

SDG No.:

Batch Number: 488362 | Batch Start Date: 03/28/24 19:46 | Batch Analyst: Campbell, Miranda E

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 410-488362/1		8260D			1 uL	1 uL				
CCVIS 410-488362/3		8260D			5 mL	5 mL				2731
LCS 410-488362/4		8260D			5 mL	5 mL				2731
MB 410-488362/6		8260D			5 mL	5 mL				2731
410-164763-A-1	HD-MW-166-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-164763-A-2	HD-MW-167-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-164763-A-3	HD-MW-168-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_2CEVE 00168	MSV_CCV_GASES 00727	MSV_CCV_OH_Sp 00009	MSV_CCV_VOC#1 00176	MSV_CCV_VOC#3 00172	MSV_HP04_ISSS 00002
BFB 410-488362/1		8260D								
CCVIS 410-488362/3		8260D			5 uL	2.5 uL	5 uL	5 uL	4 uL	1 uL
LCS 410-488362/4		8260D								1 uL
MB 410-488362/6		8260D								1 uL
410-164763-A-1	HD-MW-166-0/1-0	8260D	Water	T						1 uL
410-164763-A-2	HD-MW-167-0/1-0	8260D	Water	T						1 uL
410-164763-A-3	HD-MW-168-0/1-0	8260D	Water	T						1 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_2CEVE 00164	MSV_LCS_ACROL 00160	MSV_LCS_Gases 00190	MSV_LCS_OH_Sp 00011	MSV_LCS_VOC#1 00159	MSV_V_BFB 00016
BFB 410-488362/1		8260D								1 uL
CCVIS 410-488362/3		8260D								
LCS 410-488362/4		8260D			50 uL	50 uL	50 uL	50 uL	50 uL	
MB 410-488362/6		8260D								
410-164763-A-1	HD-MW-166-0/1-0	8260D	Water	T						
410-164763-A-2	HD-MW-167-0/1-0	8260D	Water	T						
410-164763-A-3	HD-MW-168-0/1-0	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.: 410-164763-1

SDG No.:

Batch Number: 488362 | Batch Start Date: 03/28/24 19:46 | Batch Analyst: Campbell, Miranda E

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.

Shipping and Receiving Documents

Eurofi
2425 Nev
Lancaste
Phone: 7

410-164763 Chain of Custody

370472

Chain of Custody Record

HARRISBURG

eurofins | Environment Testing

Client In.	Sampler: CASEY LITTLEFIELD	Lab PM: Damiter, Marrissa C	Carrier Tracking No(s):	COC No: 410-116349-21802.1
Client Contact: Christopher O'Neil	Phone: 717 395-3150	E-Mail: Marrissa.Damiter@et.eurofinsus.com	State of Origin: PA	Page: Page 1 of 2 1
Company: Groundwater Sciences Corporation	PWSID:			Job #: 10012.52
Address: 2550 Interstate Drive Suite 303	Due Date Requested:			
City: Harrisburg	TAT Requested (days): STANDARD			
State, Zip: PA, 17110	Compliance Project: Yes No			
Phone: 717 · 756 · 1246	PO #: Purchase Order not required			
Email: coneil@groundwatersciences.com	WO #:			
Project Name: fYNOP	Project #: 41001716			
Site: SPBA QUARTERLY SAMPLING EVENT	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other: ICE

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C_LL - QAPP List SL, updated 12012020 (minus 14	8260D - QAPP List SL, updated 12012020 (ml	8260C - QAPP List SL, updated 08232019 (ml	Aqueous VOCs via 8260D STANDARD LEVEL RANGE (minus 14 D)	Special Instructions/Note:
HD-MW-166-0/1-0	3/20/24	0930	G	Water	N	N				3	TRIP BLANK ON
HD-MW-167-0/1-0		0925		Water	N	N				3	SURFACE WATER
HD-MW-168-0/1-0		0920		Water	N	N				3	COC.
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 3/20/24 1245	Company GSC	Received by:	Date/Time: 3/20/24 1245	Company ETA
Relinquished by:	Date/Time: 3/20/24 1510	Company ETA	Received by:	Date/Time: 3/20/24 1510	Company ELLE
Relinquished by:	Date/Time: 3/20/24 1710	Company ELLE	Received by:	Date/Time: 3/20/24 710	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: 221487

Cooler Temperature(s) °C and Other Remarks: Raw 1.2C / IR# 1.3C

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Groundwater Sciences Corporation

Job Number: 410-164763-1

Login Number: 164763

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Cyms, Carolyn M

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	