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ANALYTICAL REPORT

PREPARED FOR

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Generated 03/29/2024

JOB DESCRIPTION

fYNOP - Former York Naval Ordinance Plant

JOB NUMBER

410-164764-1

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

See page two for job notes and contact information.

my EOL

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated
03/29/2024

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Table of Contents

Cover Page 1
Data Summaries 4
Definitions 4
Case Narrative 5
Detection Summary 6
Client Sample Results 8
Default Detection Limits 23
Surrogate Summary 24
QC Sample Results 25
QC Association 34
Chronicle 35
Certification Summary 38
Method Summary 39
Sample Summary 40
Manual Integration Summary 41
Reagent Traceability 62
COAs 93
Organic Sample Data 264
GC/MS VOA 264
Method 8260D Low Level 264
Method 8260D Low Level QC Summary 265
Method 8260D Low Level Sample Data 291
Standards Data 458
Method 8260D Low Level ICAL Data 458
Method 8260D Low Level CCAL Data 1111
Raw QC Data 1176
Method 8260D Low Level Tune Data 1176
Method 8260D Low Level Blank Data 1203
Method 8260D Low Level LCS/LCSD Data 1227
Method 8260D Low Level MS/MSD Data 1259
Method 8260D Low Level Run Logs 1273
Method 8260D Low Level Prep Data 1280
Shipping and Receiving Documents 1299
Client Chain of Custody 1300
Sample Receipt Checklist 1302

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
cn	Refer to Case Narrative for further detail
FH	MS and/or MSD recovery above control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

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
410-164764-1

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.

GC/MS VOA
Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 410-486836 recovered above the upper control limit for Acetone. Non-detections of the affected analytes are reported. Any detections are considered estimated.

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: 410-164764-1
Project/Site: fYNOP - Former York Naval Ordinance Plant

Client Sample ID: HD-COD-SW-6-0/1-0 — Lab Sample ID: 410-164764-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.2	J ^c cn	5.0	1.0	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-7-0/1-0 — Lab Sample ID: 410-164764-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.6	J ^c cn	5.0	1.0	ug/L	1		8260D	Total/NA
Chloromethane	0.19	J	0.50	0.10	ug/L	1		8260D	Total/NA
Trichloroethene	0.085	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-8-0/1-0 — Lab Sample ID: 410-164764-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.7	J ^c cn	5.0	1.0	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.087	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.73		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.10	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-9-0/1-0 — Lab Sample ID: 410-164764-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.7	J ^c cn	5.0	1.0	ug/L	1		8260D	Total/NA
Chloromethane	0.13	J	0.50	0.10	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.27	J	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.093	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-13-0/1-0 — Lab Sample ID: 410-164764-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.5	J ^c cn	5.0	1.0	ug/L	1		8260D	Total/NA
Chloromethane	0.16	J	0.50	0.10	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.84		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.099	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-15-0/1-0 — Lab Sample ID: 410-164764-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.39	J	0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.15	J FH	0.50	0.10	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.22	J	0.50	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.23	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	1.3		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	7.4	FH	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	1.5		0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-16-0/1-0 — Lab Sample ID: 410-164764-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.11	J	0.50	0.080	ug/L	1		8260D	Total/NA
Acetone	1.6	J ^c cn	5.0	1.0	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.095	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	1.6		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.11	J	0.50	0.080	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HD-COD-SW-17-0/1-0 — Lab Sample ID: 410-164764-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	9.2		0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	1.7		0.50	0.10	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.73		0.50	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.16	J	0.50	0.090	ug/L	1		8260D	Total/NA
Chloromethane	0.19	J	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	4.8		0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	4.6		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene - DL	120		5.0	2.0	ug/L	10		8260D	Total/NA

Client Sample ID: HD-COD-SW-26-0/1-0 — Lab Sample ID: 410-164764-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.16	J	0.50	0.090	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.89		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.097	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-27-0/1-0 — Lab Sample ID: 410-164764-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.3	J	5.0	1.0	ug/L	1		8260D	Total/NA
Chloromethane	0.10	J	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.082	J	0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	0.096	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-28-0/1-0 — Lab Sample ID: 410-164764-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.9	J	5.0	1.0	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.29	J	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.095	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-29-0/1-0 — Lab Sample ID: 410-164764-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.36	J	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.086	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-QC1-0/1-1 — Lab Sample ID: 410-164764-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	8.5		0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	1.8		0.50	0.10	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.68		0.50	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.17	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	5.2		0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	4.7		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene - DL	110		5.0	2.0	ug/L	10		8260D	Total/NA

Client Sample ID: HD-QC1-0/1-2 — Lab Sample ID: 410-164764-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.12	J	0.50	0.090	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

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

Lab Sample ID: 410-164764-1

Date Collected: 03/20/24 09:05

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		0.50	0.070	ug/L			03/26/24 01:16	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			03/26/24 01:16	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/26/24 01:16	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/26/24 01:16	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/26/24 01:16	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			03/26/24 01:16	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/26/24 01:16	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/26/24 01:16	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/26/24 01:16	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/26/24 01:16	1
2-Hexanone	ND		5.0	2.0	ug/L			03/26/24 01:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/26/24 01:16	1
Acetone	**1.2**	**J ^c cn**	5.0	1.0	ug/L			03/26/24 01:16	1
Benzene	ND		0.50	0.10	ug/L			03/26/24 01:16	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/26/24 01:16	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/26/24 01:16	1
Bromoform	ND		1.0	0.30	ug/L			03/26/24 01:16	1
Bromomethane	ND		0.50	0.10	ug/L			03/26/24 01:16	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/26/24 01:16	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/26/24 01:16	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/26/24 01:16	1
Chloroethane	ND		0.50	0.10	ug/L			03/26/24 01:16	1
Chloroform	ND		0.50	0.090	ug/L			03/26/24 01:16	1
Chloromethane	ND		0.50	0.10	ug/L			03/26/24 01:16	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			03/26/24 01:16	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/26/24 01:16	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/26/24 01:16	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/26/24 01:16	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/26/24 01:16	1
Methylene Chloride	ND		0.50	0.20	ug/L			03/26/24 01:16	1
Styrene	ND		0.50	0.070	ug/L			03/26/24 01:16	1
Tetrachloroethene	ND		0.50	0.20	ug/L			03/26/24 01:16	1
Toluene	ND		0.50	0.080	ug/L			03/26/24 01:16	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/26/24 01:16	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/26/24 01:16	1
Trichloroethene	ND		0.50	0.080	ug/L			03/26/24 01:16	1
Vinyl chloride	ND		0.50	0.10	ug/L			03/26/24 01:16	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/26/24 01:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*80 - 120*		*03/26/24 01:16*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*03/26/24 01:16*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*03/26/24 01:16*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/26/24 01:16*	*1*

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

Lab Sample ID: 410-164764-2

Date Collected: 03/20/24 10:09

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		0.50	0.070	ug/L			03/26/24 01:39	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			03/26/24 01:39	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/26/24 01:39	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/26/24 01:39	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/26/24 01:39	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			03/26/24 01:39	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/26/24 01:39	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/26/24 01:39	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/26/24 01:39	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/26/24 01:39	1
2-Hexanone	ND		5.0	2.0	ug/L			03/26/24 01:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/26/24 01:39	1
Acetone	**1.6**	**J ^c cn**	5.0	1.0	ug/L			03/26/24 01:39	1
Benzene	ND		0.50	0.10	ug/L			03/26/24 01:39	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/26/24 01:39	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/26/24 01:39	1
Bromoform	ND		1.0	0.30	ug/L			03/26/24 01:39	1
Bromomethane	ND		0.50	0.10	ug/L			03/26/24 01:39	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/26/24 01:39	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/26/24 01:39	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/26/24 01:39	1
Chloroethane	ND		0.50	0.10	ug/L			03/26/24 01:39	1
Chloroform	ND		0.50	0.090	ug/L			03/26/24 01:39	1
Chloromethane	**0.19**	**J**	0.50	0.10	ug/L			03/26/24 01:39	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			03/26/24 01:39	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/26/24 01:39	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/26/24 01:39	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/26/24 01:39	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/26/24 01:39	1
Methylene Chloride	ND		0.50	0.20	ug/L			03/26/24 01:39	1
Styrene	ND		0.50	0.070	ug/L			03/26/24 01:39	1
Tetrachloroethene	ND		0.50	0.20	ug/L			03/26/24 01:39	1
Toluene	ND		0.50	0.080	ug/L			03/26/24 01:39	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/26/24 01:39	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/26/24 01:39	1
Trichloroethene	**0.085**	**J**	0.50	0.080	ug/L			03/26/24 01:39	1
Vinyl chloride	ND		0.50	0.10	ug/L			03/26/24 01:39	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/26/24 01:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*80 - 120*		*03/26/24 01:39*	*1*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*03/26/24 01:39*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*03/26/24 01:39*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/26/24 01:39*	*1*

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

Lab Sample ID: 410-164764-3

Date Collected: 03/20/24 08:02

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		0.50	0.070	ug/L			03/26/24 02:01	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			03/26/24 02:01	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/26/24 02:01	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/26/24 02:01	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/26/24 02:01	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			03/26/24 02:01	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/26/24 02:01	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/26/24 02:01	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/26/24 02:01	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/26/24 02:01	1
2-Hexanone	ND		5.0	2.0	ug/L			03/26/24 02:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/26/24 02:01	1
Acetone	**1.7**	**J ^c cn**	5.0	1.0	ug/L			03/26/24 02:01	1
Benzene	ND		0.50	0.10	ug/L			03/26/24 02:01	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/26/24 02:01	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/26/24 02:01	1
Bromoform	ND		1.0	0.30	ug/L			03/26/24 02:01	1
Bromomethane	ND		0.50	0.10	ug/L			03/26/24 02:01	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/26/24 02:01	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/26/24 02:01	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/26/24 02:01	1
Chloroethane	ND		0.50	0.10	ug/L			03/26/24 02:01	1
Chloroform	ND		0.50	0.090	ug/L			03/26/24 02:01	1
Chloromethane	ND		0.50	0.10	ug/L			03/26/24 02:01	1
cis-1,2-Dichloroethene	**0.087**	**J**	0.50	0.080	ug/L			03/26/24 02:01	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/26/24 02:01	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/26/24 02:01	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/26/24 02:01	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/26/24 02:01	1
Methylene Chloride	ND		0.50	0.20	ug/L			03/26/24 02:01	1
Styrene	ND		0.50	0.070	ug/L			03/26/24 02:01	1
Tetrachloroethene	**0.73**		0.50	0.20	ug/L			03/26/24 02:01	1
Toluene	ND		0.50	0.080	ug/L			03/26/24 02:01	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/26/24 02:01	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/26/24 02:01	1
Trichloroethene	**0.10**	**J**	0.50	0.080	ug/L			03/26/24 02:01	1
Vinyl chloride	ND		0.50	0.10	ug/L			03/26/24 02:01	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/26/24 02:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*80 - 120*		*03/26/24 02:01*	*1*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*03/26/24 02:01*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*03/26/24 02:01*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/26/24 02:01*	*1*

Client Sample ID: HD-COD-SW-9-0/1-0
Lab Sample ID: 410-164764-4

Date Collected: 03/20/24 11:20
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		0.50	0.070	ug/L			03/26/24 02:23	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			03/26/24 02:23	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/26/24 02:23	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/26/24 02:23	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/26/24 02:23	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			03/26/24 02:23	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/26/24 02:23	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/26/24 02:23	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/26/24 02:23	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/26/24 02:23	1
2-Hexanone	ND		5.0	2.0	ug/L			03/26/24 02:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/26/24 02:23	1
Acetone	**1.7**	**J ^c cn**	5.0	1.0	ug/L			03/26/24 02:23	1
Benzene	ND		0.50	0.10	ug/L			03/26/24 02:23	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/26/24 02:23	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/26/24 02:23	1
Bromoform	ND		1.0	0.30	ug/L			03/26/24 02:23	1
Bromomethane	ND		0.50	0.10	ug/L			03/26/24 02:23	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/26/24 02:23	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/26/24 02:23	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/26/24 02:23	1
Chloroethane	ND		0.50	0.10	ug/L			03/26/24 02:23	1
Chloroform	ND		0.50	0.090	ug/L			03/26/24 02:23	1
Chloromethane	**0.13**	**J**	0.50	0.10	ug/L			03/26/24 02:23	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			03/26/24 02:23	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/26/24 02:23	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/26/24 02:23	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/26/24 02:23	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/26/24 02:23	1
Methylene Chloride	ND		0.50	0.20	ug/L			03/26/24 02:23	1
Styrene	ND		0.50	0.070	ug/L			03/26/24 02:23	1
Tetrachloroethene	**0.27**	**J**	0.50	0.20	ug/L			03/26/24 02:23	1
Toluene	ND		0.50	0.080	ug/L			03/26/24 02:23	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/26/24 02:23	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/26/24 02:23	1
Trichloroethene	**0.093**	**J**	0.50	0.080	ug/L			03/26/24 02:23	1
Vinyl chloride	ND		0.50	0.10	ug/L			03/26/24 02:23	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/26/24 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*80 - 120*		*03/26/24 02:23*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*03/26/24 02:23*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*03/26/24 02:23*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*03/26/24 02:23*	*1*

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

Lab Sample ID: 410-164764-5

Date Collected: 03/20/24 08:17

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		0.50	0.070	ug/L			03/26/24 02:45	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			03/26/24 02:45	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/26/24 02:45	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/26/24 02:45	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/26/24 02:45	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			03/26/24 02:45	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/26/24 02:45	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/26/24 02:45	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/26/24 02:45	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/26/24 02:45	1
2-Hexanone	ND		5.0	2.0	ug/L			03/26/24 02:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/26/24 02:45	1
Acetone	**1.5**	**J ^c cn**	5.0	1.0	ug/L			03/26/24 02:45	1
Benzene	ND		0.50	0.10	ug/L			03/26/24 02:45	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/26/24 02:45	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/26/24 02:45	1
Bromoform	ND		1.0	0.30	ug/L			03/26/24 02:45	1
Bromomethane	ND		0.50	0.10	ug/L			03/26/24 02:45	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/26/24 02:45	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/26/24 02:45	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/26/24 02:45	1
Chloroethane	ND		0.50	0.10	ug/L			03/26/24 02:45	1
Chloroform	ND		0.50	0.090	ug/L			03/26/24 02:45	1
Chloromethane	**0.16**	**J**	0.50	0.10	ug/L			03/26/24 02:45	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			03/26/24 02:45	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/26/24 02:45	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/26/24 02:45	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/26/24 02:45	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/26/24 02:45	1
Methylene Chloride	ND		0.50	0.20	ug/L			03/26/24 02:45	1
Styrene	ND		0.50	0.070	ug/L			03/26/24 02:45	1
Tetrachloroethene	**0.84**		0.50	0.20	ug/L			03/26/24 02:45	1
Toluene	ND		0.50	0.080	ug/L			03/26/24 02:45	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/26/24 02:45	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/26/24 02:45	1
Trichloroethene	**0.099**	**J**	0.50	0.080	ug/L			03/26/24 02:45	1
Vinyl chloride	ND		0.50	0.10	ug/L			03/26/24 02:45	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/26/24 02:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*80 - 120*		*03/26/24 02:45*	*1*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*		*03/26/24 02:45*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*03/26/24 02:45*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/26/24 02:45*	*1*

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

Lab Sample ID: 410-164764-6

Date Collected: 03/20/24 10:32

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		0.50	0.070	ug/L			03/25/24 23:47	1
1,1,1-Trichloroethane	**0.39**	**J**	0.50	0.080	ug/L			03/25/24 23:47	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/25/24 23:47	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/25/24 23:47	1
1,1-Dichloroethane	**0.15**	**J FH**	0.50	0.10	ug/L			03/25/24 23:47	1
1,1-Dichloroethene	**0.22**	**J**	0.50	0.10	ug/L			03/25/24 23:47	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/25/24 23:47	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/25/24 23:47	1
1,2-Dichloropropane	ND	FH	0.50	0.10	ug/L			03/25/24 23:47	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/25/24 23:47	1
2-Hexanone	ND		5.0	2.0	ug/L			03/25/24 23:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/25/24 23:47	1
Acetone	ND	^c cn	5.0	1.0	ug/L			03/25/24 23:47	1
Benzene	ND	FH	0.50	0.10	ug/L			03/25/24 23:47	1
Bromochloromethane	ND	FH	0.50	0.080	ug/L			03/25/24 23:47	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/25/24 23:47	1
Bromoform	ND		1.0	0.30	ug/L			03/25/24 23:47	1
Bromomethane	ND		0.50	0.10	ug/L			03/25/24 23:47	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/25/24 23:47	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/25/24 23:47	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/25/24 23:47	1
Chloroethane	ND	FH	0.50	0.10	ug/L			03/25/24 23:47	1
Chloroform	**0.23**	**J**	0.50	0.090	ug/L			03/25/24 23:47	1
Chloromethane	ND	FH	0.50	0.10	ug/L			03/25/24 23:47	1
cis-1,2-Dichloroethene	**1.3**		0.50	0.080	ug/L			03/25/24 23:47	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/25/24 23:47	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/25/24 23:47	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/25/24 23:47	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/25/24 23:47	1
Methylene Chloride	ND	FH	0.50	0.20	ug/L			03/25/24 23:47	1
Styrene	ND		0.50	0.070	ug/L			03/25/24 23:47	1
Tetrachloroethene	**7.4**	**FH**	0.50	0.20	ug/L			03/25/24 23:47	1
Toluene	ND		0.50	0.080	ug/L			03/25/24 23:47	1
trans-1,2-Dichloroethene	ND	FH	0.50	0.10	ug/L			03/25/24 23:47	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/25/24 23:47	1
Trichloroethene	**1.5**		0.50	0.080	ug/L			03/25/24 23:47	1
Vinyl chloride	ND	FH	0.50	0.10	ug/L			03/25/24 23:47	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/25/24 23:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*80 - 120*		*03/25/24 23:47*	*1*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*		*03/25/24 23:47*	*1*
Dibromofluoromethane (Surr)	*114*		*80 - 120*		*03/25/24 23:47*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/25/24 23:47*	*1*

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

Lab Sample ID: 410-164764-7

Date Collected: 03/20/24 08:35

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		0.50	0.070	ug/L			03/26/24 03:08	1
1,1,1-Trichloroethane	**0.11**	**J**	0.50	0.080	ug/L			03/26/24 03:08	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/26/24 03:08	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/26/24 03:08	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/26/24 03:08	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			03/26/24 03:08	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/26/24 03:08	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/26/24 03:08	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/26/24 03:08	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/26/24 03:08	1
2-Hexanone	ND		5.0	2.0	ug/L			03/26/24 03:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/26/24 03:08	1
Acetone	**1.6**	**J ^c cn**	5.0	1.0	ug/L			03/26/24 03:08	1
Benzene	ND		0.50	0.10	ug/L			03/26/24 03:08	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/26/24 03:08	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/26/24 03:08	1
Bromoform	ND		1.0	0.30	ug/L			03/26/24 03:08	1
Bromomethane	ND		0.50	0.10	ug/L			03/26/24 03:08	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/26/24 03:08	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/26/24 03:08	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/26/24 03:08	1
Chloroethane	ND		0.50	0.10	ug/L			03/26/24 03:08	1
Chloroform	ND		0.50	0.090	ug/L			03/26/24 03:08	1
Chloromethane	ND		0.50	0.10	ug/L			03/26/24 03:08	1
cis-1,2-Dichloroethene	**0.095**	**J**	0.50	0.080	ug/L			03/26/24 03:08	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/26/24 03:08	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/26/24 03:08	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/26/24 03:08	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/26/24 03:08	1
Methylene Chloride	ND		0.50	0.20	ug/L			03/26/24 03:08	1
Styrene	ND		0.50	0.070	ug/L			03/26/24 03:08	1
Tetrachloroethene	**1.6**		0.50	0.20	ug/L			03/26/24 03:08	1
Toluene	ND		0.50	0.080	ug/L			03/26/24 03:08	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/26/24 03:08	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/26/24 03:08	1
Trichloroethene	**0.11**	**J**	0.50	0.080	ug/L			03/26/24 03:08	1
Vinyl chloride	ND		0.50	0.10	ug/L			03/26/24 03:08	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/26/24 03:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*80 - 120*		*03/26/24 03:08*	*1*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*03/26/24 03:08*	*1*
Dibromofluoromethane (Surr)	*113*		*80 - 120*		*03/26/24 03:08*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/26/24 03:08*	*1*

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

Lab Sample ID: 410-164764-8

Date Collected: 03/20/24 08:45

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		0.50	0.070	ug/L			03/26/24 03:30	1
1,1,1-Trichloroethane	**9.2**		0.50	0.080	ug/L			03/26/24 03:30	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/26/24 03:30	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/26/24 03:30	1
1,1-Dichloroethane	**1.7**		0.50	0.10	ug/L			03/26/24 03:30	1
1,1-Dichloroethene	**0.73**		0.50	0.10	ug/L			03/26/24 03:30	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/26/24 03:30	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/26/24 03:30	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/26/24 03:30	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/26/24 03:30	1
2-Hexanone	ND		5.0	2.0	ug/L			03/26/24 03:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/26/24 03:30	1
Acetone	ND	^c cn	5.0	1.0	ug/L			03/26/24 03:30	1
Benzene	ND		0.50	0.10	ug/L			03/26/24 03:30	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/26/24 03:30	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/26/24 03:30	1
Bromoform	ND		1.0	0.30	ug/L			03/26/24 03:30	1
Bromomethane	ND		0.50	0.10	ug/L			03/26/24 03:30	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/26/24 03:30	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/26/24 03:30	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/26/24 03:30	1
Chloroethane	ND		0.50	0.10	ug/L			03/26/24 03:30	1
Chloroform	**0.16**	**J**	0.50	0.090	ug/L			03/26/24 03:30	1
Chloromethane	**0.19**	**J**	0.50	0.10	ug/L			03/26/24 03:30	1
cis-1,2-Dichloroethene	**4.8**		0.50	0.080	ug/L			03/26/24 03:30	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/26/24 03:30	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/26/24 03:30	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/26/24 03:30	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/26/24 03:30	1
Methylene Chloride	ND		0.50	0.20	ug/L			03/26/24 03:30	1
Styrene	ND		0.50	0.070	ug/L			03/26/24 03:30	1
Toluene	ND		0.50	0.080	ug/L			03/26/24 03:30	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/26/24 03:30	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/26/24 03:30	1
Trichloroethene	**4.6**		0.50	0.080	ug/L			03/26/24 03:30	1
Vinyl chloride	ND		0.50	0.10	ug/L			03/26/24 03:30	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/26/24 03:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*80 - 120*		*03/26/24 03:30*	*1*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*		*03/26/24 03:30*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*03/26/24 03:30*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/26/24 03:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**120**		5.0	2.0	ug/L			03/26/24 03:52	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*	*S1+*	*80 - 120*		*03/26/24 03:52*	*10*

Client Sample ID: HD-COD-SW-17-0/1-0 Lab Sample ID: 410-164764-8

Date Collected: 03/20/24 08:45 **Matrix: Water**
Date Received: 03/20/24 17:10

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*		*03/26/24 03:52*	*10*
Dibromofluoromethane (Surr)	*113*		*80 - 120*		*03/26/24 03:52*	*10*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/26/24 03:52*	*10*

Client Sample ID: HD-COD-SW-26-0/1-0 Lab Sample ID: 410-164764-9

Date Collected: 03/20/24 09:50 **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		0.50	0.070	ug/L			03/27/24 15:51	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			03/27/24 15:51	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/27/24 15:51	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/27/24 15:51	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/27/24 15:51	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			03/27/24 15:51	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/27/24 15:51	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/27/24 15:51	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/27/24 15:51	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/27/24 15:51	1
2-Hexanone	ND		5.0	2.0	ug/L			03/27/24 15:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/27/24 15:51	1
Acetone	ND		5.0	1.0	ug/L			03/27/24 15:51	1
Benzene	ND		0.50	0.10	ug/L			03/27/24 15:51	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/27/24 15:51	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/27/24 15:51	1
Bromoform	ND		1.0	0.30	ug/L			03/27/24 15:51	1
Bromomethane	ND		0.50	0.10	ug/L			03/27/24 15:51	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/27/24 15:51	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/27/24 15:51	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/27/24 15:51	1
Chloroethane	ND		0.50	0.10	ug/L			03/27/24 15:51	1
Chloroform	**0.16**	**J**	0.50	0.090	ug/L			03/27/24 15:51	1
Chloromethane	ND		0.50	0.10	ug/L			03/27/24 15:51	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			03/27/24 15:51	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/27/24 15:51	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/27/24 15:51	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/27/24 15:51	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/27/24 15:51	1
Methylene Chloride	ND		0.50	0.20	ug/L			03/27/24 15:51	1
Styrene	ND		0.50	0.070	ug/L			03/27/24 15:51	1
Tetrachloroethene	**0.89**		0.50	0.20	ug/L			03/27/24 15:51	1
Toluene	ND		0.50	0.080	ug/L			03/27/24 15:51	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/27/24 15:51	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/27/24 15:51	1
Trichloroethene	**0.097**	**J**	0.50	0.080	ug/L			03/27/24 15:51	1
Vinyl chloride	ND		0.50	0.10	ug/L			03/27/24 15:51	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/27/24 15:51	1

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

Lab Sample ID: 410-164764-9

Date Collected: 03/20/24 09:50

Matrix: Water

Date Received: 03/20/24 17:10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		80 - 120		03/27/24 15:51	1
4-Bromofluorobenzene (Surr)	90		80 - 120		03/27/24 15:51	1
Dibromofluoromethane (Surr)	104		80 - 120		03/27/24 15:51	1
Toluene-d8 (Surr)	107		80 - 120		03/27/24 15:51	1

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

Lab Sample ID: 410-164764-10

Date Collected: 03/20/24 10:25

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		0.50	0.070	ug/L			03/27/24 16:13	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			03/27/24 16:13	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/27/24 16:13	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/27/24 16:13	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/27/24 16:13	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			03/27/24 16:13	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/27/24 16:13	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/27/24 16:13	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/27/24 16:13	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/27/24 16:13	1
2-Hexanone	ND		5.0	2.0	ug/L			03/27/24 16:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/27/24 16:13	1
Acetone	**1.3**	**J**	5.0	1.0	ug/L			03/27/24 16:13	1
Benzene	ND		0.50	0.10	ug/L			03/27/24 16:13	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/27/24 16:13	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/27/24 16:13	1
Bromoform	ND		1.0	0.30	ug/L			03/27/24 16:13	1
Bromomethane	ND		0.50	0.10	ug/L			03/27/24 16:13	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/27/24 16:13	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/27/24 16:13	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/27/24 16:13	1
Chloroethane	ND		0.50	0.10	ug/L			03/27/24 16:13	1
Chloroform	ND		0.50	0.090	ug/L			03/27/24 16:13	1
Chloromethane	**0.10**	**J**	0.50	0.10	ug/L			03/27/24 16:13	1
cis-1,2-Dichloroethene	**0.082**	**J**	0.50	0.080	ug/L			03/27/24 16:13	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/27/24 16:13	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/27/24 16:13	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/27/24 16:13	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/27/24 16:13	1
Methylene Chloride	ND		0.50	0.20	ug/L			03/27/24 16:13	1
Styrene	ND		0.50	0.070	ug/L			03/27/24 16:13	1
Tetrachloroethene	ND		0.50	0.20	ug/L			03/27/24 16:13	1
Toluene	ND		0.50	0.080	ug/L			03/27/24 16:13	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/27/24 16:13	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/27/24 16:13	1
Trichloroethene	**0.096**	**J**	0.50	0.080	ug/L			03/27/24 16:13	1
Vinyl chloride	ND		0.50	0.10	ug/L			03/27/24 16:13	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/27/24 16:13	1

Client Sample ID: HD-COD-SW-27-0/1-0
Lab Sample ID: 410-164764-10

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		80 - 120		03/27/24 16:13	1
4-Bromofluorobenzene (Surr)	90		80 - 120		03/27/24 16:13	1
Dibromofluoromethane (Surr)	111		80 - 120		03/27/24 16:13	1
Toluene-d8 (Surr)	102		80 - 120		03/27/24 16:13	1

Client Sample ID: HD-COD-SW-28-0/1-0
Lab Sample ID: 410-164764-11

Date Collected: 03/20/24 11:37
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		0.50	0.070	ug/L			03/28/24 10:22	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			03/28/24 10:22	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/28/24 10:22	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/28/24 10:22	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/28/24 10:22	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			03/28/24 10:22	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/28/24 10:22	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/28/24 10:22	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/28/24 10:22	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/28/24 10:22	1
2-Hexanone	ND		5.0	2.0	ug/L			03/28/24 10:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/28/24 10:22	1
Acetone	**1.9**	**J**	5.0	1.0	ug/L			03/28/24 10:22	1
Benzene	ND		0.50	0.10	ug/L			03/28/24 10:22	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/28/24 10:22	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/28/24 10:22	1
Bromoform	ND		1.0	0.30	ug/L			03/28/24 10:22	1
Bromomethane	ND		0.50	0.10	ug/L			03/28/24 10:22	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/28/24 10:22	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/28/24 10:22	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/28/24 10:22	1
Chloroethane	ND		0.50	0.10	ug/L			03/28/24 10:22	1
Chloroform	ND		0.50	0.090	ug/L			03/28/24 10:22	1
Chloromethane	ND		0.50	0.10	ug/L			03/28/24 10:22	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			03/28/24 10:22	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/28/24 10:22	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/28/24 10:22	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/28/24 10:22	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/28/24 10:22	1
Methylene Chloride	ND		0.50	0.20	ug/L			03/28/24 10:22	1
Styrene	ND		0.50	0.070	ug/L			03/28/24 10:22	1
Tetrachloroethene	**0.29**	**J**	0.50	0.20	ug/L			03/28/24 10:22	1
Toluene	ND		0.50	0.080	ug/L			03/28/24 10:22	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/28/24 10:22	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/28/24 10:22	1
Trichloroethene	**0.095**	**J**	0.50	0.080	ug/L			03/28/24 10:22	1
Vinyl chloride	ND		0.50	0.10	ug/L			03/28/24 10:22	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/28/24 10:22	1

Client Sample ID: HD-COD-SW-28-0/1-0 Lab Sample ID: 410-164764-11

Date Collected: 03/20/24 11:37 **Matrix: Water**
Date Received: 03/20/24 17:10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*03/28/24 10:22*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*03/28/24 10:22*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*03/28/24 10:22*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/28/24 10:22*	*1*

Client Sample ID: HD-COD-SW-29-0/1-0 Lab Sample ID: 410-164764-12

Date Collected: 03/20/24 07:50 **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		0.50	0.070	ug/L			03/28/24 10:42	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			03/28/24 10:42	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/28/24 10:42	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/28/24 10:42	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/28/24 10:42	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			03/28/24 10:42	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/28/24 10:42	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/28/24 10:42	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/28/24 10:42	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/28/24 10:42	1
2-Hexanone	ND		5.0	2.0	ug/L			03/28/24 10:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/28/24 10:42	1
Acetone	ND		5.0	1.0	ug/L			03/28/24 10:42	1
Benzene	ND		0.50	0.10	ug/L			03/28/24 10:42	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/28/24 10:42	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/28/24 10:42	1
Bromoform	ND		1.0	0.30	ug/L			03/28/24 10:42	1
Bromomethane	ND		0.50	0.10	ug/L			03/28/24 10:42	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/28/24 10:42	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/28/24 10:42	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/28/24 10:42	1
Chloroethane	ND		0.50	0.10	ug/L			03/28/24 10:42	1
Chloroform	ND		0.50	0.090	ug/L			03/28/24 10:42	1
Chloromethane	ND		0.50	0.10	ug/L			03/28/24 10:42	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			03/28/24 10:42	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/28/24 10:42	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/28/24 10:42	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/28/24 10:42	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/28/24 10:42	1
Methylene Chloride	ND		0.50	0.20	ug/L			03/28/24 10:42	1
Styrene	ND		0.50	0.070	ug/L			03/28/24 10:42	1
Tetrachloroethene	**0.36**	**J**	0.50	0.20	ug/L			03/28/24 10:42	1
Toluene	ND		0.50	0.080	ug/L			03/28/24 10:42	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/28/24 10:42	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/28/24 10:42	1
Trichloroethene	**0.086**	**J**	0.50	0.080	ug/L			03/28/24 10:42	1
Vinyl chloride	ND		0.50	0.10	ug/L			03/28/24 10:42	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/28/24 10:42	1

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

Lab Sample ID: 410-164764-12

Date Collected: 03/20/24 07:50

Matrix: Water

Date Received: 03/20/24 17:10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*03/28/24 10:42*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*03/28/24 10:42*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*03/28/24 10:42*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/28/24 10:42*	*1*

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

Lab Sample ID: 410-164764-13

Date Collected: 03/20/24 10:00

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		0.50	0.070	ug/L			03/28/24 14:25	1
1,1,1-Trichloroethane	**8.5**		0.50	0.080	ug/L			03/28/24 14:25	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/28/24 14:25	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/28/24 14:25	1
1,1-Dichloroethane	**1.8**		0.50	0.10	ug/L			03/28/24 14:25	1
1,1-Dichloroethene	**0.68**		0.50	0.10	ug/L			03/28/24 14:25	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/28/24 14:25	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/28/24 14:25	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/28/24 14:25	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/28/24 14:25	1
2-Hexanone	ND		5.0	2.0	ug/L			03/28/24 14:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/28/24 14:25	1
Acetone	ND		5.0	1.0	ug/L			03/28/24 14:25	1
Benzene	ND		0.50	0.10	ug/L			03/28/24 14:25	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/28/24 14:25	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/28/24 14:25	1
Bromoform	ND		1.0	0.30	ug/L			03/28/24 14:25	1
Bromomethane	ND		0.50	0.10	ug/L			03/28/24 14:25	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/28/24 14:25	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/28/24 14:25	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/28/24 14:25	1
Chloroethane	ND		0.50	0.10	ug/L			03/28/24 14:25	1
Chloroform	**0.17**	**J**	0.50	0.090	ug/L			03/28/24 14:25	1
Chloromethane	ND		0.50	0.10	ug/L			03/28/24 14:25	1
cis-1,2-Dichloroethene	**5.2**		0.50	0.080	ug/L			03/28/24 14:25	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/28/24 14:25	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/28/24 14:25	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/28/24 14:25	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/28/24 14:25	1
Methylene Chloride	ND		0.50	0.20	ug/L			03/28/24 14:25	1
Styrene	ND		0.50	0.070	ug/L			03/28/24 14:25	1
Toluene	ND		0.50	0.080	ug/L			03/28/24 14:25	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/28/24 14:25	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/28/24 14:25	1
Trichloroethene	**4.7**		0.50	0.080	ug/L			03/28/24 14:25	1
Vinyl chloride	ND		0.50	0.10	ug/L			03/28/24 14:25	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/28/24 14:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*03/28/24 14:25*	*1*

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

Lab Sample ID: 410-164764-13

Date Collected: 03/20/24 10:00

Matrix: Water

Date Received: 03/20/24 17:10

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/28/24 14:25*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*03/28/24 14:25*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*03/28/24 14:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**110**		5.0	2.0	ug/L			03/28/24 14:45	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*03/28/24 14:45*	*10*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*03/28/24 14:45*	*10*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*03/28/24 14:45*	*10*
Toluene-d8 (Surr)	*91*		*80 - 120*		*03/28/24 14:45*	*10*

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

Lab Sample ID: 410-164764-14

Date Collected: 03/20/24 12:00

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		0.50	0.070	ug/L			03/28/24 09:42	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			03/28/24 09:42	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/28/24 09:42	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/28/24 09:42	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/28/24 09:42	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			03/28/24 09:42	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/28/24 09:42	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/28/24 09:42	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/28/24 09:42	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/28/24 09:42	1
2-Hexanone	ND		5.0	2.0	ug/L			03/28/24 09:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/28/24 09:42	1
Acetone	ND		5.0	1.0	ug/L			03/28/24 09:42	1
Benzene	ND		0.50	0.10	ug/L			03/28/24 09:42	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/28/24 09:42	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/28/24 09:42	1
Bromoform	ND		1.0	0.30	ug/L			03/28/24 09:42	1
Bromomethane	ND		0.50	0.10	ug/L			03/28/24 09:42	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/28/24 09:42	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/28/24 09:42	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/28/24 09:42	1
Chloroethane	ND		0.50	0.10	ug/L			03/28/24 09:42	1
Chloroform	**0.12**	**J**	0.50	0.090	ug/L			03/28/24 09:42	1
Chloromethane	ND		0.50	0.10	ug/L			03/28/24 09:42	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			03/28/24 09:42	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/28/24 09:42	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/28/24 09:42	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/28/24 09:42	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/28/24 09:42	1
Methylene Chloride	ND		0.50	0.20	ug/L			03/28/24 09:42	1

Client Sample ID: HD-QC1-0/1-2
Lab Sample ID: 410-164764-14
Date Collected: 03/20/24 12:00
Matrix: Water
Date Received: 03/20/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.50	0.070	ug/L			03/28/24 09:42	1
Tetrachloroethene	ND		0.50	0.20	ug/L			03/28/24 09:42	1
Toluene	ND		0.50	0.080	ug/L			03/28/24 09:42	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/28/24 09:42	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/28/24 09:42	1
Trichloroethene	ND		0.50	0.080	ug/L			03/28/24 09:42	1
Vinyl chloride	ND		0.50	0.10	ug/L			03/28/24 09:42	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/28/24 09:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*80 - 120*		*03/28/24 09:42*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*03/28/24 09:42*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*03/28/24 09:42*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*03/28/24 09:42*	*1*

Default Detection Limits

Client: Groundwater Sciences Corporation
Job ID: 410-164764-1
Project/Site: fYNOP - Former York Naval Ordinance Plant

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

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

Surrogate Summary

Client: Groundwater Sciences Corporation
Job ID: 410-164764-1
Project/Site: fYNOP - Former York Naval Ordinance Plant

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)
410-164764-1	HD-COD-SW-6-0/1-0	118	90	112	102
410-164764-2	HD-COD-SW-7-0/1-0	117	89	112	102
410-164764-3	HD-COD-SW-8-0/1-0	117	89	112	102
410-164764-4	HD-COD-SW-9-0/1-0	117	90	112	103
410-164764-5	HD-COD-SW-13-0/1-0	118	88	111	102
410-164764-6	HD-COD-SW-15-0/1-0	117	88	114	102
410-164764-6 MS	HD-COD-SW-15-0/1-0MS	118	95	108	106
410-164764-6 MSD	HD-COD-SW-15-0/1-0MSD	117	95	107	105
410-164764-7	HD-COD-SW-16-0/1-0	117	89	113	102
410-164764-8	HD-COD-SW-17-0/1-0	119	88	112	98
410-164764-8 - DL	HD-COD-SW-17-0/1-0	121 S1+	88	113	100
410-164764-9	HD-COD-SW-26-0/1-0	107	90	104	107
410-164764-10	HD-COD-SW-27-0/1-0	119	90	111	102
410-164764-11	HD-COD-SW-28-0/1-0	106	93	101	96
410-164764-12	HD-COD-SW-29-0/1-0	108	93	103	96
410-164764-13	HD-QC1-0/1-1	110	94	103	91
410-164764-13 - DL	HD-QC1-0/1-1	110	95	104	91
410-164764-14	HD-QC1-0/1-2	120	95	105	95
LCS 410-486836/4	Lab Control Sample	114	96	106	106
LCS 410-487558/5	Lab Control Sample	112	97	106	106
LCS 410-487972/4	Lab Control Sample	107	97	101	98
LCSD 410-487972/5	Lab Control Sample Dup	104	99	100	98
MB 410-486836/6	Method Blank	120	90	111	102
MB 410-487558/7	Method Blank	115	90	112	102
MB 410-487972/7	Method Blank	107	94	102	97

Surrogate Legend

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

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

Lab Sample ID: MB 410-486836/6
Matrix: Water
Analysis Batch: 486836

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			03/25/24 20:45	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			03/25/24 20:45	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/25/24 20:45	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/25/24 20:45	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/25/24 20:45	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			03/25/24 20:45	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/25/24 20:45	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/25/24 20:45	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/25/24 20:45	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/25/24 20:45	1
2-Hexanone	ND		5.0	2.0	ug/L			03/25/24 20:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/25/24 20:45	1
Acetone	ND		5.0	1.0	ug/L			03/25/24 20:45	1
Benzene	ND		0.50	0.10	ug/L			03/25/24 20:45	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/25/24 20:45	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/25/24 20:45	1
Bromoform	ND		1.0	0.30	ug/L			03/25/24 20:45	1
Bromomethane	ND		0.50	0.10	ug/L			03/25/24 20:45	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/25/24 20:45	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/25/24 20:45	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/25/24 20:45	1
Chloroethane	ND		0.50	0.10	ug/L			03/25/24 20:45	1
Chloroform	ND		0.50	0.090	ug/L			03/25/24 20:45	1
Chloromethane	ND		0.50	0.10	ug/L			03/25/24 20:45	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			03/25/24 20:45	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/25/24 20:45	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/25/24 20:45	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/25/24 20:45	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/25/24 20:45	1
Methylene Chloride	ND		0.50	0.20	ug/L			03/25/24 20:45	1
Styrene	ND		0.50	0.070	ug/L			03/25/24 20:45	1
Tetrachloroethene	ND		0.50	0.20	ug/L			03/25/24 20:45	1
Toluene	ND		0.50	0.080	ug/L			03/25/24 20:45	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/25/24 20:45	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/25/24 20:45	1
Trichloroethene	ND		0.50	0.080	ug/L			03/25/24 20:45	1
Vinyl chloride	ND		0.50	0.10	ug/L			03/25/24 20:45	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/25/24 20:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*80 - 120*		*03/25/24 20:45*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*03/25/24 20:45*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*03/25/24 20:45*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/25/24 20:45*	*1*

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

Lab Sample ID: LCS 410-486836/4 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 486836

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	5.48		ug/L		110	71 - 134
1,1,1-Trichloroethane	5.00	5.38		ug/L		108	78 - 126
1,1,2,2-Tetrachloroethane	5.00	5.37		ug/L		107	75 - 123
1,1,2-Trichloroethane	5.00	5.48		ug/L		110	80 - 120
1,1-Dichloroethane	5.00	5.40		ug/L		108	74 - 120
1,1-Dichloroethene	5.00	5.62		ug/L		112	80 - 131
1,2-Dibromoethane (EDB)	5.00	5.31		ug/L		106	80 - 120
1,2-Dichloroethane	5.00	5.61		ug/L		112	69 - 122
1,2-Dichloropropane	5.00	5.41		ug/L		108	80 - 120
2-Butanone (MEK)	62.5	63.8		ug/L		102	59 - 141
2-Hexanone	62.5	65.5		ug/L		105	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	66.4		ug/L		106	55 - 140
Acetone	62.5	76.0		ug/L		122	60 - 146
Benzene	5.00	5.34		ug/L		107	80 - 120
Bromochloromethane	5.00	5.64		ug/L		113	80 - 120
Bromodichloromethane	5.00	5.58		ug/L		112	73 - 124
Bromoform	5.00	5.72		ug/L		114	49 - 144
Bromomethane	5.00	5.26		ug/L		105	60 - 136
Carbon disulfide	5.00	5.09		ug/L		102	67 - 130
Carbon tetrachloride	5.00	5.53		ug/L		111	64 - 141
Chlorobenzene	5.00	5.43		ug/L		109	80 - 120
Chloroethane	5.00	5.66		ug/L		113	63 - 120
Chloroform	5.00	5.30		ug/L		106	80 - 120
Chloromethane	5.00	5.15		ug/L		103	56 - 124
cis-1,2-Dichloroethene	5.00	5.42		ug/L		108	80 - 122
cis-1,3-Dichloropropene	5.00	4.99		ug/L		100	67 - 121
Dibromochloromethane	5.00	5.88		ug/L		118	64 - 138
Ethylbenzene	5.00	5.31		ug/L		106	80 - 120
Methyl tert-butyl ether	5.00	4.77		ug/L		95	69 - 120
Methylene Chloride	5.00	5.37		ug/L		107	80 - 120
Styrene	5.00	5.38		ug/L		108	80 - 120
Tetrachloroethene	5.00	5.32		ug/L		106	80 - 120
Toluene	5.00	5.23		ug/L		105	80 - 120
trans-1,2-Dichloroethene	5.00	5.32		ug/L		106	80 - 122
trans-1,3-Dichloropropene	5.00	5.30		ug/L		106	61 - 129
Trichloroethene	5.00	5.27		ug/L		105	80 - 120
Vinyl chloride	5.00	5.05		ug/L		101	60 - 125
Xylenes, Total	15.0	15.9		ug/L		106	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*114*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*

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

Lab Sample ID: 410-164764-6 MS **Client Sample ID: HD-COD-SW-15-0/1-0MS**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 486836

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	ND		5.00	5.86		ug/L		117	71 - 134
1,1,1-Trichloroethane	0.39	J	5.00	6.47		ug/L		121	78 - 126
1,1,2,2-Tetrachloroethane	ND		5.00	5.53		ug/L		110	75 - 123
1,1,2-Trichloroethane	ND		5.00	5.58		ug/L		112	80 - 120
1,1-Dichloroethane	0.15	J FH	5.00	6.06		ug/L		118	74 - 120
1,1-Dichloroethene	0.22	J	5.00	6.49		ug/L		125	80 - 131
1,2-Dibromoethane (EDB)	ND		5.00	5.47		ug/L		109	80 - 120
1,2-Dichloroethane	ND		5.00	5.82		ug/L		116	69 - 122
1,2-Dichloropropane	ND	FH	5.00	5.87		ug/L		117	80 - 120
2-Butanone (MEK)	ND		62.6	62.0		ug/L		99	59 - 141
2-Hexanone	ND		62.6	63.0		ug/L		101	52 - 140
4-Methyl-2-pentanone (MIBK)	ND		62.6	66.1		ug/L		106	55 - 140
Acetone	ND	^c cn	62.6	69.1		ug/L		110	60 - 146
Benzene	ND	FH	5.00	5.78		ug/L		115	80 - 120
Bromochloromethane	ND	FH	5.00	6.06	FH	ug/L		121	80 - 120
Bromodichloromethane	ND		5.00	5.84		ug/L		117	73 - 124
Bromoform	ND		5.00	5.66		ug/L		113	49 - 144
Bromomethane	ND		5.00	5.68		ug/L		113	60 - 136
Carbon disulfide	ND		5.00	5.98		ug/L		119	67 - 130
Carbon tetrachloride	ND		5.00	6.34		ug/L		127	64 - 141
Chlorobenzene	ND		5.00	5.76		ug/L		115	80 - 120
Chloroethane	ND	FH	5.00	6.28	FH	ug/L		125	63 - 120
Chloroform	0.23	J	5.00	5.79		ug/L		111	80 - 120
Chloromethane	ND	FH	5.00	5.93		ug/L		118	80 - 120
cis-1,2-Dichloroethene	1.3		5.00	7.18		ug/L		117	80 - 122
cis-1,3-Dichloropropene	ND		5.00	5.05		ug/L		101	67 - 121
Dibromochloromethane	ND		5.00	5.89		ug/L		118	64 - 138
Ethylbenzene	ND		5.00	5.76		ug/L		115	80 - 120
Methyl tert-butyl ether	ND		5.00	4.84		ug/L		97	69 - 120
Methylene Chloride	ND	FH	5.00	5.73		ug/L		115	80 - 120
Styrene	ND		5.00	5.72		ug/L		114	80 - 120
Tetrachloroethene	7.4	FH	5.00	13.2		ug/L		117	80 - 120
Toluene	ND		5.00	5.76		ug/L		115	80 - 120
trans-1,2-Dichloroethene	ND	FH	5.00	5.89		ug/L		118	80 - 122
trans-1,3-Dichloropropene	ND		5.00	5.27		ug/L		105	61 - 129
Trichloroethene	1.5		5.00	7.27		ug/L		115	80 - 120
Vinyl chloride	ND	FH	5.00	6.03		ug/L		120	60 - 125
Xylenes, Total	ND		15.0	17.1		ug/L		114	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*118*		*80 - 120*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*
Dibromofluoromethane (Surr)	*108*		*80 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*

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

Lab Sample ID: 410-164764-6 MSD
Matrix: Water
Analysis Batch: 486836

Client Sample ID: HD-COD-SW-15-0/1-0MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		5.00	6.08		ug/L		122	71 - 134	4	30
1,1,1-Trichloroethane	0.39	J	5.00	6.66		ug/L		125	78 - 126	3	30
1,1,2,2-Tetrachloroethane	ND		5.00	5.71		ug/L		114	75 - 123	3	30
1,1,2-Trichloroethane	ND		5.00	5.87		ug/L		117	80 - 120	5	30
1,1-Dichloroethane	0.15	J FH	5.00	6.26	FH	ug/L		122	74 - 120	3	30
1,1-Dichloroethene	0.22	J	5.00	6.79		ug/L		131	80 - 131	5	30
1,2-Dibromoethane (EDB)	ND		5.00	5.65		ug/L		113	80 - 120	3	30
1,2-Dichloroethane	ND		5.00	6.02		ug/L		120	69 - 122	3	30
1,2-Dichloropropane	ND	FH	5.00	6.17	FH	ug/L		123	80 - 120	5	30
2-Butanone (MEK)	ND		62.6	59.6		ug/L		95	59 - 141	4	30
2-Hexanone	ND		62.6	61.8		ug/L		99	52 - 140	2	30
4-Methyl-2-pentanone (MIBK)	ND		62.6	64.2		ug/L		103	55 - 140	3	30
Acetone	ND	^c cn	62.6	67.3		ug/L		108	60 - 146	3	30
Benzene	ND	FH	5.00	6.05	FH	ug/L		121	80 - 120	5	30
Bromochloromethane	ND	FH	5.00	6.24	FH	ug/L		125	80 - 120	3	30
Bromodichloromethane	ND		5.00	6.14		ug/L		123	73 - 124	5	30
Bromoform	ND		5.00	5.90		ug/L		118	49 - 144	4	30
Bromomethane	ND		5.00	6.00		ug/L		120	60 - 136	6	30
Carbon disulfide	ND		5.00	6.18		ug/L		124	67 - 130	3	30
Carbon tetrachloride	ND		5.00	6.53		ug/L		130	64 - 141	3	30
Chlorobenzene	ND		5.00	5.98		ug/L		120	80 - 120	4	30
Chloroethane	ND	FH	5.00	6.52	FH	ug/L		130	63 - 120	4	30
Chloroform	0.23	J	5.00	5.99		ug/L		115	80 - 120	3	30
Chloromethane	ND	FH	5.00	6.05	FH	ug/L		121	80 - 120	2	30
cis-1,2-Dichloroethene	1.3		5.00	7.40		ug/L		122	80 - 122	3	30
cis-1,3-Dichloropropene	ND		5.00	5.41		ug/L		108	67 - 121	7	30
Dibromochloromethane	ND		5.00	6.10		ug/L		122	64 - 138	4	30
Ethylbenzene	ND		5.00	6.00		ug/L		120	80 - 120	4	30
Methyl tert-butyl ether	ND		5.00	5.44		ug/L		109	69 - 120	12	30
Methylene Chloride	ND	FH	5.00	6.23	FH	ug/L		124	80 - 120	8	30
Styrene	ND		5.00	5.95		ug/L		119	80 - 120	4	30
Tetrachloroethene	7.4	FH	5.00	13.4	FH	ug/L		122	80 - 120	2	30
Toluene	ND		5.00	6.00		ug/L		120	80 - 120	4	30
trans-1,2-Dichloroethene	ND	FH	5.00	6.49	FH	ug/L		130	80 - 122	10	30
trans-1,3-Dichloropropene	ND		5.00	5.57		ug/L		111	61 - 129	6	30
Trichloroethene	1.5		5.00	7.51		ug/L		120	80 - 120	3	30
Vinyl chloride	ND	FH	5.00	6.40	FH	ug/L		128	60 - 125	6	30
Xylenes, Total	ND		15.0	17.8		ug/L		118	80 - 120	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*117*		*80 - 120*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*
Dibromofluoromethane (Surr)	*107*		*80 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*

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

Lab Sample ID: MB 410-487558/7
Matrix: Water
Analysis Batch: 487558

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			03/27/24 12:08	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			03/27/24 12:08	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/27/24 12:08	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/27/24 12:08	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/27/24 12:08	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			03/27/24 12:08	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/27/24 12:08	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/27/24 12:08	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/27/24 12:08	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/27/24 12:08	1
2-Hexanone	ND		5.0	2.0	ug/L			03/27/24 12:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/27/24 12:08	1
Acetone	ND		5.0	1.0	ug/L			03/27/24 12:08	1
Benzene	ND		0.50	0.10	ug/L			03/27/24 12:08	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/27/24 12:08	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/27/24 12:08	1
Bromoform	ND		1.0	0.30	ug/L			03/27/24 12:08	1
Bromomethane	ND		0.50	0.10	ug/L			03/27/24 12:08	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/27/24 12:08	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/27/24 12:08	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/27/24 12:08	1
Chloroethane	ND		0.50	0.10	ug/L			03/27/24 12:08	1
Chloroform	ND		0.50	0.090	ug/L			03/27/24 12:08	1
Chloromethane	ND		0.50	0.10	ug/L			03/27/24 12:08	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			03/27/24 12:08	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/27/24 12:08	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/27/24 12:08	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/27/24 12:08	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/27/24 12:08	1
Methylene Chloride	ND		0.50	0.20	ug/L			03/27/24 12:08	1
Styrene	ND		0.50	0.070	ug/L			03/27/24 12:08	1
Tetrachloroethene	ND		0.50	0.20	ug/L			03/27/24 12:08	1
Toluene	ND		0.50	0.080	ug/L			03/27/24 12:08	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/27/24 12:08	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/27/24 12:08	1
Trichloroethene	ND		0.50	0.080	ug/L			03/27/24 12:08	1
Vinyl chloride	ND		0.50	0.10	ug/L			03/27/24 12:08	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/27/24 12:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*80 - 120*		*03/27/24 12:08*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*03/27/24 12:08*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*03/27/24 12:08*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/27/24 12:08*	*1*

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

Lab Sample ID: LCS 410-487558/5
Matrix: Water
Analysis Batch: 487558

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	5.27		ug/L		105	71 - 134
1,1,1-Trichloroethane	5.00	5.21		ug/L		104	78 - 126
1,1,2,2-Tetrachloroethane	5.00	4.97		ug/L		99	75 - 123
1,1,2-Trichloroethane	5.00	5.21		ug/L		104	80 - 120
1,1-Dichloroethane	5.00	5.16		ug/L		103	74 - 120
1,1-Dichloroethene	5.00	5.41		ug/L		108	80 - 131
1,2-Dibromoethane (EDB)	5.00	5.16		ug/L		103	80 - 120
1,2-Dichloroethane	5.00	5.09		ug/L		102	69 - 122
1,2-Dichloropropane	5.00	5.25		ug/L		105	80 - 120
2-Butanone (MEK)	62.5	51.2		ug/L		82	59 - 141
2-Hexanone	62.5	59.2		ug/L		95	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	61.9		ug/L		99	55 - 140
Acetone	62.5	63.2		ug/L		101	60 - 146
Benzene	5.00	5.11		ug/L		102	80 - 120
Bromochloromethane	5.00	5.42		ug/L		108	80 - 120
Bromodichloromethane	5.00	5.26		ug/L		105	73 - 124
Bromoform	5.00	5.38		ug/L		108	49 - 144
Bromomethane	5.00	5.12		ug/L		102	60 - 136
Carbon disulfide	5.00	4.78		ug/L		96	67 - 130
Carbon tetrachloride	5.00	5.33		ug/L		107	64 - 141
Chlorobenzene	5.00	5.18		ug/L		104	80 - 120
Chloroethane	5.00	5.46		ug/L		109	63 - 120
Chloroform	5.00	4.99		ug/L		100	80 - 120
Chloromethane	5.00	5.09		ug/L		102	56 - 124
cis-1,2-Dichloroethene	5.00	5.14		ug/L		103	80 - 122
cis-1,3-Dichloropropene	5.00	4.69		ug/L		94	67 - 121
Dibromochloromethane	5.00	5.50		ug/L		110	64 - 138
Ethylbenzene	5.00	5.11		ug/L		102	80 - 120
Methyl tert-butyl ether	5.00	4.59		ug/L		92	69 - 120
Methylene Chloride	5.00	5.09		ug/L		102	80 - 120
Styrene	5.00	5.18		ug/L		104	80 - 120
Tetrachloroethene	5.00	5.20		ug/L		104	80 - 120
Toluene	5.00	5.13		ug/L		103	80 - 120
trans-1,2-Dichloroethene	5.00	5.07		ug/L		101	80 - 122
trans-1,3-Dichloropropene	5.00	5.02		ug/L		100	61 - 129
Trichloroethene	5.00	5.10		ug/L		102	80 - 120
Vinyl chloride	5.00	5.11		ug/L		102	60 - 125
Xylenes, Total	15.0	15.3		ug/L		102	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*112*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*

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

Lab Sample ID: MB 410-487972/7
Matrix: Water
Analysis Batch: 487972

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			03/28/24 09:21	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			03/28/24 09:21	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			03/28/24 09:21	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			03/28/24 09:21	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			03/28/24 09:21	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			03/28/24 09:21	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			03/28/24 09:21	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			03/28/24 09:21	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			03/28/24 09:21	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			03/28/24 09:21	1
2-Hexanone	ND		5.0	2.0	ug/L			03/28/24 09:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			03/28/24 09:21	1
Acetone	ND		5.0	1.0	ug/L			03/28/24 09:21	1
Benzene	ND		0.50	0.10	ug/L			03/28/24 09:21	1
Bromochloromethane	ND		0.50	0.080	ug/L			03/28/24 09:21	1
Bromodichloromethane	ND		0.50	0.080	ug/L			03/28/24 09:21	1
Bromoform	ND		1.0	0.30	ug/L			03/28/24 09:21	1
Bromomethane	ND		0.50	0.10	ug/L			03/28/24 09:21	1
Carbon disulfide	ND		1.0	0.10	ug/L			03/28/24 09:21	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			03/28/24 09:21	1
Chlorobenzene	ND		0.50	0.070	ug/L			03/28/24 09:21	1
Chloroethane	ND		0.50	0.10	ug/L			03/28/24 09:21	1
Chloroform	ND		0.50	0.090	ug/L			03/28/24 09:21	1
Chloromethane	ND		0.50	0.10	ug/L			03/28/24 09:21	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			03/28/24 09:21	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			03/28/24 09:21	1
Dibromochloromethane	ND		0.50	0.080	ug/L			03/28/24 09:21	1
Ethylbenzene	ND		0.50	0.080	ug/L			03/28/24 09:21	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			03/28/24 09:21	1
Methylene Chloride	ND		0.50	0.20	ug/L			03/28/24 09:21	1
Styrene	ND		0.50	0.070	ug/L			03/28/24 09:21	1
Tetrachloroethene	ND		0.50	0.20	ug/L			03/28/24 09:21	1
Toluene	ND		0.50	0.080	ug/L			03/28/24 09:21	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			03/28/24 09:21	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			03/28/24 09:21	1
Trichloroethene	ND		0.50	0.080	ug/L			03/28/24 09:21	1
Vinyl chloride	ND		0.50	0.10	ug/L			03/28/24 09:21	1
Xylenes, Total	ND		1.0	0.070	ug/L			03/28/24 09:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*03/28/24 09:21*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/28/24 09:21*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*03/28/24 09:21*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/28/24 09:21*	*1*

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

Lab Sample ID: LCS 410-487972/4 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 487972

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	4.89		ug/L		98	71 - 134
1,1,1-Trichloroethane	5.00	4.68		ug/L		94	78 - 126
1,1,2,2-Tetrachloroethane	5.00	4.83		ug/L		97	75 - 123
1,1,2-Trichloroethane	5.00	5.15		ug/L		103	80 - 120
1,1-Dichloroethane	5.00	5.54		ug/L		111	74 - 120
1,1-Dichloroethene	5.00	4.89		ug/L		98	80 - 131
1,2-Dibromoethane (EDB)	5.00	5.02		ug/L		100	80 - 120
1,2-Dichloroethane	5.00	4.80		ug/L		96	69 - 122
1,2-Dichloropropane	5.00	5.80		ug/L		116	80 - 120
2-Butanone (MEK)	62.5	69.2		ug/L		111	59 - 141
2-Hexanone	62.5	69.7		ug/L		111	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	66.5		ug/L		106	55 - 140
Acetone	62.5	53.1		ug/L		85	60 - 146
Benzene	5.00	5.49		ug/L		110	80 - 120
Bromochloromethane	5.00	5.47		ug/L		109	80 - 120
Bromodichloromethane	5.00	5.02		ug/L		100	73 - 124
Bromoform	5.00	4.61		ug/L		92	49 - 144
Bromomethane	5.00	5.23		ug/L		105	60 - 136
Carbon disulfide	5.00	4.89		ug/L		98	67 - 130
Carbon tetrachloride	5.00	4.97		ug/L		99	64 - 141
Chlorobenzene	5.00	5.17		ug/L		103	80 - 120
Chloroethane	5.00	5.59		ug/L		112	63 - 120
Chloroform	5.00	5.20		ug/L		104	80 - 120
Chloromethane	5.00	4.70		ug/L		94	56 - 124
cis-1,2-Dichloroethene	5.00	5.09		ug/L		102	80 - 122
cis-1,3-Dichloropropene	5.00	5.11		ug/L		102	67 - 121
Dibromochloromethane	5.00	4.89		ug/L		98	64 - 138
Ethylbenzene	5.00	4.98		ug/L		100	80 - 120
Methyl tert-butyl ether	5.00	4.71		ug/L		94	69 - 120
Methylene Chloride	5.00	5.25		ug/L		105	80 - 120
Styrene	5.00	4.88		ug/L		98	80 - 120
Tetrachloroethene	5.00	4.85		ug/L		97	80 - 120
Toluene	5.00	5.05		ug/L		101	80 - 120
trans-1,2-Dichloroethene	5.00	5.03		ug/L		101	80 - 122
trans-1,3-Dichloropropene	5.00	4.92		ug/L		98	61 - 129
Trichloroethene	5.00	5.06		ug/L		101	80 - 120
Vinyl chloride	5.00	4.88		ug/L		98	60 - 125
Xylenes, Total	15.0	15.0		ug/L		100	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: LCSD 410-487972/5
Matrix: Water
Analysis Batch: 487972

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			5.00	4.91		ug/L		98	71 - 134	0	30
1,1,1-Trichloroethane			5.00	4.74		ug/L		95	78 - 126	1	30
1,1,2,2-Tetrachloroethane			5.00	4.94		ug/L		99	75 - 123	2	30
1,1,2-Trichloroethane			5.00	5.40		ug/L		108	80 - 120	5	30
1,1-Dichloroethane			5.00	5.44		ug/L		109	74 - 120	2	30
1,1-Dichloroethene			5.00	4.86		ug/L		97	80 - 131	1	30
1,2-Dibromoethane (EDB)			5.00	5.06		ug/L		101	80 - 120	1	30
1,2-Dichloroethane			5.00	4.84		ug/L		97	69 - 122	1	30
1,2-Dichloropropane			5.00	5.86		ug/L		117	80 - 120	1	30
2-Butanone (MEK)			62.5	72.8		ug/L		117	59 - 141	5	30
2-Hexanone			62.5	68.9		ug/L		110	52 - 140	1	30
4-Methyl-2-pentanone (MIBK)			62.5	66.6		ug/L		107	55 - 140	0	30
Acetone			62.5	53.3		ug/L		85	60 - 146	0	30
Benzene			5.00	5.48		ug/L		110	80 - 120	0	30
Bromochloromethane			5.00	5.43		ug/L		109	80 - 120	1	30
Bromodichloromethane			5.00	5.08		ug/L		102	73 - 124	1	30
Bromoform			5.00	4.66		ug/L		93	49 - 144	1	30
Bromomethane			5.00	5.18		ug/L		104	60 - 136	1	30
Carbon disulfide			5.00	4.91		ug/L		98	67 - 130	0	30
Carbon tetrachloride			5.00	5.05		ug/L		101	64 - 141	2	30
Chlorobenzene			5.00	5.21		ug/L		104	80 - 120	1	30
Chloroethane			5.00	5.63		ug/L		113	63 - 120	1	30
Chloroform			5.00	5.20		ug/L		104	80 - 120	0	30
Chloromethane			5.00	4.83		ug/L		97	56 - 124	3	30
cis-1,2-Dichloroethene			5.00	5.08		ug/L		102	80 - 122	0	30
cis-1,3-Dichloropropene			5.00	5.22		ug/L		104	67 - 121	2	30
Dibromochloromethane			5.00	4.92		ug/L		98	64 - 138	0	30
Ethylbenzene			5.00	5.02		ug/L		100	80 - 120	1	30
Methyl tert-butyl ether			5.00	4.78		ug/L		96	69 - 120	2	30
Methylene Chloride			5.00	5.18		ug/L		104	80 - 120	1	30
Styrene			5.00	4.97		ug/L		99	80 - 120	2	30
Tetrachloroethene			5.00	4.93		ug/L		99	80 - 120	2	30
Toluene			5.00	5.12		ug/L		102	80 - 120	1	30
trans-1,2-Dichloroethene			5.00	5.05		ug/L		101	80 - 122	0	30
trans-1,3-Dichloropropene			5.00	4.97		ug/L		99	61 - 129	1	30
Trichloroethene			5.00	5.08		ug/L		102	80 - 120	1	30
Vinyl chloride			5.00	4.71		ug/L		94	60 - 125	4	30
Xylenes, Total			15.0	15.2		ug/L		102	80 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

GC/MS VOA

Analysis Batch: 486836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164764-1	HD-COD-SW-6-0/1-0	Total/NA	Water	8260D	
410-164764-2	HD-COD-SW-7-0/1-0	Total/NA	Water	8260D	
410-164764-3	HD-COD-SW-8-0/1-0	Total/NA	Water	8260D	
410-164764-4	HD-COD-SW-9-0/1-0	Total/NA	Water	8260D	
410-164764-5	HD-COD-SW-13-0/1-0	Total/NA	Water	8260D	
410-164764-6	HD-COD-SW-15-0/1-0	Total/NA	Water	8260D	
410-164764-7	HD-COD-SW-16-0/1-0	Total/NA	Water	8260D	
410-164764-8	HD-COD-SW-17-0/1-0	Total/NA	Water	8260D	
410-164764-8 - DL	HD-COD-SW-17-0/1-0	Total/NA	Water	8260D	
MB 410-486836/6	Method Blank	Total/NA	Water	8260D	
LCS 410-486836/4	Lab Control Sample	Total/NA	Water	8260D	
410-164764-6 MS	HD-COD-SW-15-0/1-0MS	Total/NA	Water	8260D	
410-164764-6 MSD	HD-COD-SW-15-0/1-0MSD	Total/NA	Water	8260D	

Analysis Batch: 487558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164764-9	HD-COD-SW-26-0/1-0	Total/NA	Water	8260D	
410-164764-10	HD-COD-SW-27-0/1-0	Total/NA	Water	8260D	
MB 410-487558/7	Method Blank	Total/NA	Water	8260D	
LCS 410-487558/5	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 487972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164764-11	HD-COD-SW-28-0/1-0	Total/NA	Water	8260D	
410-164764-12	HD-COD-SW-29-0/1-0	Total/NA	Water	8260D	
410-164764-13	HD-QC1-0/1-1	Total/NA	Water	8260D	
410-164764-13 - DL	HD-QC1-0/1-1	Total/NA	Water	8260D	
410-164764-14	HD-QC1-0/1-2	Total/NA	Water	8260D	
MB 410-487972/7	Method Blank	Total/NA	Water	8260D	
LCS 410-487972/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-487972/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Client Sample ID: HD-COD-SW-6-0/1-0
Lab Sample ID: 410-164764-1
Date Collected: 03/20/24 09:05
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	486836	JS6E	ELLE	03/26/24 01:16

Client Sample ID: HD-COD-SW-7-0/1-0
Lab Sample ID: 410-164764-2
Date Collected: 03/20/24 10:09
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	486836	JS6E	ELLE	03/26/24 01:39

Client Sample ID: HD-COD-SW-8-0/1-0
Lab Sample ID: 410-164764-3
Date Collected: 03/20/24 08:02
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	486836	JS6E	ELLE	03/26/24 02:01

Client Sample ID: HD-COD-SW-9-0/1-0
Lab Sample ID: 410-164764-4
Date Collected: 03/20/24 11:20
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	486836	JS6E	ELLE	03/26/24 02:23

Client Sample ID: HD-COD-SW-13-0/1-0
Lab Sample ID: 410-164764-5
Date Collected: 03/20/24 08:17
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	486836	JS6E	ELLE	03/26/24 02:45

Client Sample ID: HD-COD-SW-15-0/1-0
Lab Sample ID: 410-164764-6
Date Collected: 03/20/24 10:32
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	486836	JS6E	ELLE	03/25/24 23:47

Client Sample ID: HD-COD-SW-16-0/1-0
Lab Sample ID: 410-164764-7
Date Collected: 03/20/24 08:35
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	486836	JS6E	ELLE	03/26/24 03:08

Client Sample ID: HD-COD-SW-17-0/1-0 Lab Sample ID: 410-164764-8

Date Collected: 03/20/24 08:45 **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	486836	JS6E	ELLE	03/26/24 03:30
Total/NA	Analysis	8260D	DL	10	486836	JS6E	ELLE	03/26/24 03:52

Client Sample ID: HD-COD-SW-26-0/1-0 Lab Sample ID: 410-164764-9

Date Collected: 03/20/24 09:50 **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	487558	TQ4J	ELLE	03/27/24 15:51

Client Sample ID: HD-COD-SW-27-0/1-0 Lab Sample ID: 410-164764-10

Date Collected: 03/20/24 10:25 **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	487558	TQ4J	ELLE	03/27/24 16:13

Client Sample ID: HD-COD-SW-28-0/1-0 Lab Sample ID: 410-164764-11

Date Collected: 03/20/24 11:37 **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	487972	DVW2	ELLE	03/28/24 10:22

Client Sample ID: HD-COD-SW-29-0/1-0 Lab Sample ID: 410-164764-12

Date Collected: 03/20/24 07:50 **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	487972	DVW2	ELLE	03/28/24 10:42

Client Sample ID: HD-QC1-0/1-1 Lab Sample ID: 410-164764-13

Date Collected: 03/20/24 10:00 **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	487972	DVW2	ELLE	03/28/24 14:25
Total/NA	Analysis	8260D	DL	10	487972	DVW2	ELLE	03/28/24 14:45

Client Sample ID: HD-QC1-0/1-2 Lab Sample ID: 410-164764-14

Date Collected: 03/20/24 12:00 **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	487972	DVW2	ELLE	03/28/24 09:42

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: 410-164764-1

Project/Site: fYNOP - Former York Naval Ordinance Plant

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: 410-164764-1
Project/Site: fYNOP - Former York Naval Ordinance Plant

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: 410-164764-1
Project/Site: fYNOP - Former York Naval Ordinance Plant

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-164764-1	HD-COD-SW-6-0/1-0	Water	03/20/24 09:05	03/20/24 17:10
410-164764-2	HD-COD-SW-7-0/1-0	Water	03/20/24 10:09	03/20/24 17:10
410-164764-3	HD-COD-SW-8-0/1-0	Water	03/20/24 08:02	03/20/24 17:10
410-164764-4	HD-COD-SW-9-0/1-0	Water	03/20/24 11:20	03/20/24 17:10
410-164764-5	HD-COD-SW-13-0/1-0	Water	03/20/24 08:17	03/20/24 17:10
410-164764-6	HD-COD-SW-15-0/1-0	Water	03/20/24 10:32	03/20/24 17:10
410-164764-7	HD-COD-SW-16-0/1-0	Water	03/20/24 08:35	03/20/24 17:10
410-164764-8	HD-COD-SW-17-0/1-0	Water	03/20/24 08:45	03/20/24 17:10
410-164764-9	HD-COD-SW-26-0/1-0	Water	03/20/24 09:50	03/20/24 17:10
410-164764-10	HD-COD-SW-27-0/1-0	Water	03/20/24 10:25	03/20/24 17:10
410-164764-11	HD-COD-SW-28-0/1-0	Water	03/20/24 11:37	03/20/24 17:10
410-164764-12	HD-COD-SW-29-0/1-0	Water	03/20/24 07:50	03/20/24 17:10
410-164764-13	HD-QC1-0/1-1	Water	03/20/24 10:00	03/20/24 17:10
410-164764-14	HD-QC1-0/1-2	Water	03/20/24 12:00	03/20/24 17:10

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 102081

Lab Sample ID: IC 410-102081/12 Client Sample ID:

Date Analyzed: 03/11/21 19:26 Lab File ID: CM11X12.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.82	Baseline	knouses	03/23/21 12:19
1,4-Dioxane	8.44	Incomplete Integration	knouses	03/23/21 12:07

Lab Sample ID: ICIS 410-102081/13 Client Sample ID:

Date Analyzed: 03/11/21 19:49 Lab File ID: CM11X13.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.42	Incomplete Integration	spositok	03/23/21 16:34
Methyl acetate	3.81	Incomplete Integration	spositok	03/23/21 16:37

Lab Sample ID: IC 410-102081/14 Client Sample ID:

Date Analyzed: 03/11/21 20:11 Lab File ID: CM11X14.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.42	Incomplete Integration	knouses	03/12/21 09:09
Methyl acetate	3.81	Baseline	knouses	03/12/21 09:10
t-Butyl alcohol	4.14	Incomplete Integration	knouses	03/12/21 09:10
Isobutyl alcohol	7.02	Incomplete Integration	knouses	03/12/21 09:11
1,2-Dichloroethane	7.18	Incomplete Integration	knouses	03/12/21 09:11
n-Heptane	7.53	Baseline	knouses	03/12/21 09:12
1,4-Dioxane	8.45	Incomplete Integration	knouses	03/23/21 12:01

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 102081

Lab Sample ID: IC 410-102081/15 Client Sample ID:

Date Analyzed: 03/11/21 20:33 Lab File ID: CM11X15.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	2.07	Incomplete Integration	knouses	03/12/21 09:15
Trichlorofluoromethane	2.86	Incomplete Integration	knouses	03/12/21 09:15
Acetone	3.42	Incomplete Integration	knouses	03/12/21 09:16
Methyl acetate	3.82	Baseline	knouses	03/23/21 12:22
Isobutyl alcohol	7.03	Incomplete Integration	knouses	03/12/21 09:18
1,2-Dichloroethane	7.17	Incomplete Integration	knouses	03/12/21 09:18
n-Butanol	7.93	Incomplete Integration	knouses	03/12/21 09:19
1,4-Dioxane	8.48	Incomplete Integration	knouses	03/23/21 12:00

Lab Sample ID: IC 410-102081/16 Client Sample ID:

Date Analyzed: 03/11/21 20:55 Lab File ID: CM11X16.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	2.09	Incomplete Integration	knouses	03/12/21 09:21
1,3-Butadiene	2.19	Baseline	knouses	03/12/21 09:21
Acetone	3.43	Incomplete Integration	knouses	03/12/21 09:22
Methyl acetate	3.84	Baseline	knouses	03/23/21 12:23
1,2-Dichloroethane	7.18	Incomplete Integration	knouses	03/12/21 09:24
1,4-Dioxane	8.46	Incomplete Integration	knouses	03/12/21 09:25
2-Nitropropane	8.98	Incomplete Integration	knouses	03/12/21 09:26

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 102081

Lab Sample ID: IC 410-102081/17 Client Sample ID:

Date Analyzed: 03/11/21 21:18 Lab File ID: CM11X17.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.18	Baseline	knouses	03/12/21 12:10
Vinyl chloride	2.18	Incomplete Integration	knouses	03/12/21 12:12
Bromomethane	2.50	Incomplete Integration	knouses	03/12/21 12:12
Acetone	3.42	Incomplete Integration	knouses	03/12/21 09:35
Methyl acetate	3.82	Baseline	knouses	03/23/21 12:25
2-Butanone (MEK)	5.89	Incomplete Integration	knouses	03/12/21 09:38
Methacrylonitrile	6.20	Missed Peak	knouses	03/12/21 09:39
1,4-Dioxane	8.44	Incomplete Integration	knouses	03/12/21 09:40
2-Hexanone	10.36	Incomplete Integration	knouses	03/12/21 09:46
1,2-Dibromoethane (EDB)	10.62	Incomplete Integration	knouses	03/12/21 09:46
1,2-Dibromo-3-Chloropropane	13.81	Incomplete Integration	knouses	03/12/21 09:46

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 102081

Lab Sample ID: IC 410-102081/18 Client Sample ID:

Date Analyzed: 03/11/21 21:40 Lab File ID: CM11X18.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.18	Incomplete Integration	knouses	03/12/21 10:46
Acetone	3.42	Incomplete Integration	knouses	03/12/21 11:47
Ethyl bromide	3.59	Incomplete Integration	knouses	03/12/21 11:49
Allyl chloride	3.82	Incomplete Integration	knouses	03/12/21 11:52
Methyl acetate	3.82	Baseline	knouses	03/23/21 12:27
Methylene Chloride	4.01	Incomplete Integration	knouses	03/12/21 10:48
t-Butyl alcohol	4.14	Incomplete Integration	knouses	03/12/21 10:48
Ethyl t-butyl ether	5.67	Incomplete Integration	knouses	03/12/21 11:53
2-Butanone (MEK)	5.90	Incomplete Integration	knouses	03/12/21 11:53
2,2-Dichloropropane	5.93	Missed Peak	knouses	03/12/21 10:49
Propionitrile	6.01	Incomplete Integration	knouses	03/12/21 11:54
Methacrylonitrile	6.21	Incomplete Integration	knouses	03/12/21 10:50
Tetrahydrofuran	6.28	Missed Peak	knouses	03/12/21 10:50
Isobutyl alcohol	7.04	Incomplete Integration	knouses	03/12/21 10:51
1,2-Dichloroethane	7.18	Incomplete Integration	knouses	03/12/21 12:00
t-Amyl methyl ether	7.31	Incomplete Integration	knouses	03/12/21 12:01
n-Heptane	7.52	Incomplete Integration	knouses	03/12/21 12:02
n-Butanol	7.95	Incomplete Integration	knouses	03/12/21 12:02
1,4-Dioxane	8.45	Incomplete Integration	knouses	03/12/21 10:52
Methyl methacrylate	8.46	Incomplete Integration	knouses	03/12/21 12:03
2-Nitropropane	8.98	Incomplete Integration	knouses	03/12/21 10:52
cis-1,3-Dichloropropene	9.26	Incomplete Integration	knouses	03/12/21 12:03
trans-1,3-Dichloropropene	9.92	Incomplete Integration	knouses	03/12/21 10:52
Ethyl methacrylate	9.99	Incomplete Integration	knouses	03/12/21 10:53
1,1,2-Trichloroethane	10.13	Incomplete Integration	knouses	03/12/21 12:03
1,3-Dichloropropane	10.29	Incomplete Integration	knouses	03/12/21 12:04
2-Hexanone	10.37	Incomplete Integration	knouses	03/12/21 12:06
Styrene	11.65	Incomplete Integration	knouses	03/12/21 12:07
tert-Butylbenzene	12.65	Incomplete Integration	knouses	03/12/21 10:53

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 102081

Lab Sample ID: IC 410-102081/18 Client Sample ID:

Date Analyzed: 03/11/21 21:40 Lab File ID: CM11X18.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Butylbenzene	13.23	Incomplete Integration	knouses	03/12/21 10:54
1,3,5-Trichlorobenzene	13.94	Incomplete Integration	knouses	03/12/21 12:08
1,2,4-Trichlorobenzene	14.37	Incomplete Integration	knouses	03/12/21 12:08
Naphthalene	14.55	Incomplete Integration	knouses	03/12/21 10:54
1,2,3-Trichlorobenzene	14.69	Incomplete Integration	knouses	03/12/21 12:08

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 114096

Lab Sample ID: ICV 410-114096/10 Client Sample ID:

Date Analyzed: 04/13/21 23:36 Lab File ID: CA13V01.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorodifluoromethane	1.90	Incomplete Integration	campbellme	04/14/21 00:04
Methoxymethane	1.96	Incomplete Integration	campbellme	04/14/21 00:05
Acetonitrile	3.78	Incomplete Integration	campbellme	04/14/21 00:05
Cyclohexanone	12.02	Incomplete Integration	campbellme	04/14/21 00:05

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 452392

Lab Sample ID: IC 410-452392/3 Client Sample ID:

Date Analyzed: 12/11/23 17:46 Lab File ID: copy_CD11X02.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methoxymethane	1.89	Incomplete Integration	DVW2	12/12/23 10:42
Acetonitrile	3.61	Incomplete Integration	DVW2	12/12/23 12:21
Ethyl acetate	5.78	Incomplete Integration	DVW2	12/12/23 10:42

Lab Sample ID: IC 410-452392/5 Client Sample ID:

Date Analyzed: 12/11/23 18:30 Lab File ID: CD11X04.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.62	Other	UKEK	12/14/23 10:33

Lab Sample ID: IC 410-452392/6 Client Sample ID:

Date Analyzed: 12/11/23 18:52 Lab File ID: CD11X05.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.61	Incomplete Integration	DVW2	12/12/23 10:45

Lab Sample ID: IC 410-452392/7 Client Sample ID:

Date Analyzed: 12/11/23 19:14 Lab File ID: CD11X06.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.62	Incomplete Integration	DVW2	12/12/23 10:46

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 452392

Lab Sample ID: IC 410-452392/8 Client Sample ID:

Date Analyzed: 12/11/23 19:37 Lab File ID: CD11X07.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.62	Incomplete Integration	DVW2	12/12/23 10:47

Lab Sample ID: IC 410-452392/9 Client Sample ID:

Date Analyzed: 12/11/23 19:59 Lab File ID: CD11X08.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.62	Incomplete Integration	DVW2	12/12/23 10:48

Lab Sample ID: ICV 410-452392/11 Client Sample ID:

Date Analyzed: 12/11/23 20:43 Lab File ID: CD11X10.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.60	Incomplete Integration	DVW2	12/12/23 10:49

Lab Sample ID: IC 410-452392/13 Client Sample ID:

Date Analyzed: 12/11/23 21:27 Lab File ID: CD11X12.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon 123a	3.06	Incomplete Integration	DVW2	12/12/23 10:54
Methyl acetate	3.63	Incomplete Integration	DVW2	12/12/23 10:54
Ethyl t-butyl ether	5.48	Incomplete Integration	DVW2	12/12/23 10:54
2-Butanone (MEK)	5.69	Incomplete Integration	DVW2	12/12/23 10:55
Tetrahydrofuran	6.07	Incomplete Integration	DVW2	12/12/23 12:43
1,4-Dioxane	8.26	Incomplete Integration	DVW2	12/12/23 10:55

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 452392

Lab Sample ID: IC 410-452392/14 Client Sample ID:

Date Analyzed: 12/11/23 21:50 Lab File ID: CD11X13.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon 123a	3.07	Incomplete Integration	DVW2	12/12/23 11:00
1,4-Dioxane	8.27	Incomplete Integration	DVW2	12/12/23 11:00

Lab Sample ID: IC 410-452392/15 Client Sample ID:

Date Analyzed: 12/11/23 22:12 Lab File ID: CD11X14.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.27	Incomplete Integration	DVW2	12/12/23 11:03

Lab Sample ID: IC 410-452392/16 Client Sample ID:

Date Analyzed: 12/11/23 22:34 Lab File ID: CD11X15.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.26	Incomplete Integration	DVW2	12/12/23 11:05

Lab Sample ID: IC 410-452392/17 Client Sample ID:

Date Analyzed: 12/11/23 22:57 Lab File ID: CD11X16.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.26	Incomplete Integration	DVW2	12/12/23 11:07

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 452392

Lab Sample ID: ICIS 410-452392/18 Client Sample ID:

Date Analyzed: 12/11/23 23:19 Lab File ID: CD11X17.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol-d10 (IS)	3.84	Split Peak	UKEK	12/14/23 10:37
1,4-Dioxane	8.26	Incomplete Integration	DVW2	12/12/23 12:17

Lab Sample ID: IC 410-452392/19 Client Sample ID:

Date Analyzed: 12/11/23 23:41 Lab File ID: CD11X18.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol-d10 (IS)	3.85	Split Peak	UKEK	12/14/23 10:35
1,4-Dioxane	8.26	Incomplete Integration	DVW2	12/12/23 11:10

Lab Sample ID: ICV 410-452392/21 Client Sample ID:

Date Analyzed: 12/12/23 00:25 Lab File ID: CD11X20.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.26	Incomplete Integration	DVW2	12/12/23 11:12

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 486836

Lab Sample ID: CCVIS 410-486836/3 Client Sample ID:

Date Analyzed: 03/25/24 19:38 Lab File ID: CM25X02.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.64	Incomplete Integration	JS6E	03/25/24 20:28
1,4-Dioxane	8.24	Incomplete Integration	JS6E	03/25/24 20:29

Lab Sample ID: 410-164764-6 Client Sample ID: HD-COD-SW-15-0/1-0

Date Analyzed: 03/25/24 23:47 Lab File ID: CM25X13.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon tetrachloride	6.66	Incomplete Integration	FQ4L	03/26/24 12:28

Lab Sample ID: 410-164764-1 Client Sample ID: HD-COD-SW-6-0/1-0

Date Analyzed: 03/26/24 01:16 Lab File ID: CM25X17.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	5.71	Incomplete Integration	FQ4L	03/26/24 12:54
Trichloroethene	7.82	Incomplete Integration	FQ4L	03/26/24 12:54

Lab Sample ID: 410-164764-2 Client Sample ID: HD-COD-SW-7-0/1-0

Date Analyzed: 03/26/24 01:39 Lab File ID: CM25X18.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	7.82	Incomplete Integration	FQ4L	03/26/24 13:00

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 486836

Lab Sample ID: 410-164764-3 Client Sample ID: HD-COD-SW-8-0/1-0

Date Analyzed: 03/26/24 02:01 Lab File ID: CM25X19.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroform	6.21	Incomplete Integration	FQ4L	03/26/24 13:32
Trichloroethene	7.81	Incomplete Integration	FQ4L	03/26/24 13:32

Lab Sample ID: 410-164764-4 Client Sample ID: HD-COD-SW-9-0/1-0

Date Analyzed: 03/26/24 02:23 Lab File ID: CM25X20.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroform	6.20	Incomplete Integration	FQ4L	03/26/24 13:46

Lab Sample ID: 410-164764-5 Client Sample ID: HD-COD-SW-13-0/1-0

Date Analyzed: 03/26/24 02:45 Lab File ID: CM25X21.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	5.71	Incomplete Integration	FQ4L	03/26/24 14:15
Trichloroethene	7.81	Incomplete Integration	FQ4L	03/26/24 14:16

Lab Sample ID: 410-164764-7 Client Sample ID: HD-COD-SW-16-0/1-0

Date Analyzed: 03/26/24 03:08 Lab File ID: CM25X22.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	7.82	Incomplete Integration	FQ4L	03/26/24 14:33

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 486836

Lab Sample ID: 410-164764-8 Client Sample ID: HD-COD-SW-17-0/1-0

Date Analyzed: 03/26/24 03:30 Lab File ID: CM25X23.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene	10.97	Incomplete Integration	FQ4L	03/26/24 14:53

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 487558

Lab Sample ID: CCVIS 410-487558/3 Client Sample ID:

Date Analyzed: 03/27/24 10:39 Lab File ID: CM27X02.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.64	Incomplete Integration	DVW2	03/27/24 11:57
1,4-Dioxane	8.25	Incomplete Integration	DVW2	03/27/24 11:58

Lab Sample ID: LCS 410-487558/5 Client Sample ID:

Date Analyzed: 03/27/24 11:24 Lab File ID: CM27X04.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.26	Incomplete Integration	DVW2	03/27/24 12:05

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Instrument ID: 19094 Analysis Batch Number: 431955

Lab Sample ID: IC 410-431955/3 Client Sample ID:

Date Analyzed: 10/17/23 04:22 Lab File ID: HO16X02.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorodifluoromethane	1.89	Incomplete Integration	DVW2	10/17/23 12:06
Acetonitrile	3.79	Incomplete Integration	DVW2	10/17/23 12:07
cis-1,4-Dichloro-2-butene	11.96	Incomplete Integration	DVW2	10/17/23 12:07

Lab Sample ID: IC 410-431955/4 Client Sample ID:

Date Analyzed: 10/17/23 04:42 Lab File ID: HO16X03.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.82	Incomplete Integration	DVW2	10/17/23 12:07
cis-1,4-Dichloro-2-butene	11.96	Wrong peak	UCB5	10/20/23 12:13

Lab Sample ID: IC 410-431955/5 Client Sample ID:

Date Analyzed: 10/17/23 05:02 Lab File ID: HO16X04.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.80	Incomplete Integration	DVW2	10/17/23 12:08
cis-1,4-Dichloro-2-butene	11.96	Incomplete Integration	DVW2	10/17/23 12:09

Lab Sample ID: IC 410-431955/6 Client Sample ID:

Date Analyzed: 10/17/23 05:22 Lab File ID: HO16X05.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.83	Incomplete Integration	DVW2	10/17/23 12:09
cis-1,4-Dichloro-2-butene	11.96	Incomplete Integration	DVW2	10/17/23 12:09

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Instrument ID: 19094 Analysis Batch Number: 431955

Lab Sample ID: IC 410-431955/7 Client Sample ID:

Date Analyzed: 10/17/23 05:42 Lab File ID: HO16X06.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.79	Incomplete Integration	DVW2	10/17/23 12:10
cis-1,4-Dichloro-2-butene	11.96	Incomplete Integration	DVW2	10/17/23 12:10

Lab Sample ID: IC 410-431955/8 Client Sample ID:

Date Analyzed: 10/17/23 06:02 Lab File ID: HO16X07.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,4-Dichloro-2-butene	11.96	Incomplete Integration	DVW2	10/17/23 12:06

Lab Sample ID: IC 410-431955/9 Client Sample ID:

Date Analyzed: 10/17/23 06:22 Lab File ID: HO16X08.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,4-Dichloro-2-butene	11.96	Incomplete Integration	DVW2	10/17/23 12:12

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Instrument ID: 19094 Analysis Batch Number: 431955

Lab Sample ID: IC 410-431955/13 Client Sample ID:

Date Analyzed: 10/17/23 07:43 Lab File ID: HO16X12.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.87	Incomplete Integration	DVW2	10/17/23 13:19
Acetone	3.40	Incomplete Integration	DVW2	10/18/23 08:27
Methyl acetate	3.82	Incomplete Integration	DVW2	10/18/23 08:27
trans-1,2-Dichloroethene	4.40	Incomplete Integration	DVW2	10/18/23 08:27
cis-1,2-Dichloroethene	5.89	Incomplete Integration	DVW2	10/18/23 08:27
Propionitrile	5.98	Incomplete Integration	DVW2	10/18/23 08:28
Cyclohexane	6.72	Incomplete Integration	DVW2	10/18/23 08:28
n-Heptane	7.52	Incomplete Integration	DVW2	10/18/23 08:28
Methylcyclohexane	8.31	Incomplete Integration	DVW2	10/18/23 08:28
1-Bromo-2-chloroethane	9.09	Incomplete Integration	DVW2	10/18/23 08:29

Lab Sample ID: IC 410-431955/14 Client Sample ID:

Date Analyzed: 10/17/23 08:03 Lab File ID: HO16X13.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.87	Incomplete Integration	DVW2	10/18/23 08:30
Methyl acetate	3.81	Incomplete Integration	DVW2	10/18/23 08:31
Propionitrile	5.98	Incomplete Integration	DVW2	10/18/23 08:31
Tetrahydrofuran	6.26	Incomplete Integration	DVW2	10/18/23 08:31
1,4-Dioxane	8.44	Incomplete Integration	DVW2	10/18/23 08:32
1,1,2,2-Tetrachloroethane	12.16	Incomplete Integration	DVW2	10/18/23 08:32

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Instrument ID: 19094 Analysis Batch Number: 431955

Lab Sample ID: IC 410-431955/15 Client Sample ID:

Date Analyzed: 10/17/23 08:23 Lab File ID: HO16X14.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.87	Incomplete Integration	DVW2	10/18/23 08:33
Acetone	3.41	Incomplete Integration	DVW2	10/18/23 08:34
Propionitrile	5.97	Incomplete Integration	DVW2	10/18/23 08:34

Lab Sample ID: IC 410-431955/16 Client Sample ID:

Date Analyzed: 10/17/23 08:43 Lab File ID: HO16X15.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.87	Incomplete Integration	DVW2	10/18/23 08:35

Lab Sample ID: ICIS 410-431955/18 Client Sample ID:

Date Analyzed: 10/17/23 09:23 Lab File ID: HO16X17.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.87	Incomplete Integration	DVW2	10/18/23 08:38
Methyl acetate	3.80	Incomplete Integration	DVW2	10/17/23 12:20
t-Butyl alcohol	4.11	Incomplete Integration	DVW2	10/17/23 12:20
n-Heptane	7.53	Incomplete Integration	DVW2	10/17/23 12:21
1,4-Dioxane	8.43	Incomplete Integration	DVW2	10/17/23 12:21

Lab Sample ID: IC 410-431955/19 Client Sample ID:

Date Analyzed: 10/17/23 09:43 Lab File ID: HO16X18.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.43	Incomplete Integration	DVW2	10/18/23 08:40

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Instrument ID: 19094 Analysis Batch Number: 431955

Lab Sample ID: ICV 410-431955/21 Client Sample ID:

Date Analyzed: 10/17/23 10:24 Lab File ID: HO16X20.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.87	Incomplete Integration	DVW2	10/18/23 08:41
1,4-Dioxane	8.43	Incomplete Integration	DVW2	10/18/23 08:42

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Instrument ID: 19094 Analysis Batch Number: 487972

Lab Sample ID: CCVIS 410-487972/3 Client Sample ID:

Date Analyzed: 03/28/24 08:00 Lab File ID: HM28X02.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.79	Incomplete Integration	DVW2	03/28/24 08:49
p-Isopropyltoluene	12.90	Peak assignment corrected	DVW2	03/28/24 08:43
Hexachlorobutadiene	14.40	Peak assignment corrected	DVW2	03/28/24 08:43

Lab Sample ID: LCS 410-487972/4 Client Sample ID:

Date Analyzed: 03/28/24 08:21 Lab File ID: HM28X03.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	4.00	Peak assignment corrected	DVW2	03/28/24 08:43

Lab Sample ID: LCSD 410-487972/5 Client Sample ID:

Date Analyzed: 03/28/24 08:41 Lab File ID: HM28X04.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	4.00	Incomplete Integration	DVW2	03/28/24 09:05

Lab Sample ID: 410-164764-14 Client Sample ID: HD-QC1-0/1-2

Date Analyzed: 03/28/24 09:42 Lab File ID: HM28X07.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane		Invalid Compound ID	FQ4L	03/29/24 07:30

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Instrument ID: 19094 Analysis Batch Number: 487972

Lab Sample ID: 410-164764-11 Client Sample ID: HD-COD-SW-28-0/1-0

Date Analyzed: 03/28/24 10:22 Lab File ID: HM28X09.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.66	Incomplete Integration	FQ4L	03/29/24 07:34

Lab Sample ID: 410-164764-12 Client Sample ID: HD-COD-SW-29-0/1-0

Date Analyzed: 03/28/24 10:42 Lab File ID: HM28X10.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	7.99	Incomplete Integration	FQ4L	03/29/24 07:45
Acetone		Invalid Compound ID	FQ4L	03/29/24 07:45

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_29_826ISS_00052	06/04/24	12/04/23	Methanol, Lot EG095	10 mL	MSV_8260_SS_01084	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_00647	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5 (IS)	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
							t-Butyl alcohol-d10 (IS)	1250 ug/mL
.MSV_8260_SS_01084	08/31/28		Restek, Lot A0201083		(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_00647	10/31/26		Restek, Lot A0203141		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_CCV_CYC_00007	01/19/24	07/19/23	50/50 MeOH/Water, Lot EG095	100 mL	MSV_VCYC_STK_00010	6.248 mL	Cyclohexanone	6249.87 ug/mL
.MSV_VCYC_STK_00010	01/19/24	07/19/23	50/50 MeOH/Water, Lot EG095	10 mL	MSV_CYC_00009	1.0003 g	Cyclohexanone	100030 ug/mL
..MSV_CYC_00009	06/30/27		Chem Service, Lot 14568900		(Purchased Reagent)		Cyclohexanone	1 g/g
MSV_CCV_V5ACE_00029	11/08/23	10/09/23	Methanol, Lot DZ644	10 mL	MSV_AcetatesV_00062	1 mL	Acetonitrile	5000 ug/mL
							Ethyl acetate	1000 ug/mL
							Vinyl acetate	1000 ug/mL
.MSV_AcetatesV_00062	11/30/24		Restek, Lot A0197847		(Purchased Reagent)		Acetonitrile	50000 ug/mL
							Ethyl acetate	10000 ug/mL
							Vinyl acetate	10000 ug/mL
MSV_CCV_V5ACE_00031	01/09/24	12/10/23	Methanol, Lot EG095	10 mL	MSV_AcetatesV_00066	1 mL	Acetonitrile	5000 ug/mL
							Ethyl acetate	1000 ug/mL
							Vinyl acetate	1000 ug/mL
.MSV_AcetatesV_00066	11/30/24		Restek, Lot A0197847		(Purchased Reagent)		Acetonitrile	50000 ug/mL
							Ethyl acetate	10000 ug/mL
							Vinyl acetate	10000 ug/mL
MSV_DME_00049	11/14/23		Restek, Lot A0190883		(Purchased Reagent)		Dimethyl ether	1000 ug/mL
MSV_DME_00050	01/09/24		Restek, Lot A0190883		(Purchased Reagent)		Dimethyl ether	1000 ug/mL
MSV_HP25_ISSS_00023	05/31/21	02/08/21	Methanol, Lot DZ644	10 mL	MSV_8260_SS_00293	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_00179	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5 (IS)	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
							t-Butyl alcohol-d10 (IS)	1250 ug/mL
.MSV_8260_SS_00293	03/31/22		Restek, Lot A0146938		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
.MSV_Cus826_IS_00179	05/31/21		Restek, Lot A0138205		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_HP25_ISSS_00085	09/05/24	03/05/24	Methanol, Lot EG095	10 mL	MSV_Cus826_IS_00763	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_00763	04/30/26		Restek, Lot A0197488		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_HP25_ISSS_00085	09/05/24	03/05/24	Methanol, Lot EG095	10 mL	MSV_8260_SS_01134	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_01134	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_HP25_ISSS_00086	09/26/24	03/26/24	Methanol, Lot EH235	10 mL	MSV_Cus826_IS_00785	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_00785	04/30/26		Restek, Lot A0197488		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_HP25_ISSS_00086	09/26/24	03/26/24	Methanol, Lot EH235	10 mL	MSV_8260_SS_01155	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_01155	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_HP29_ISO_00004	06/04/24	12/04/23	Methanol, Lot EG095	10 mL	MSV_Cus826_IS_00647	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_00647	10/31/26		Restek, Lot A0203141		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_LCS_VOC#1_00134	11/14/23	10/15/23	Methanol, Lot EG095	25 mL	MSV_M_MIX1SEC_00161	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_00159	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00162	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_00161	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00159	04/30/26		Restek, Lot A0197573		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00162	04/30/25		Restek, Lot A0184721		(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_00143	01/09/24	12/10/23	Methanol, Lot EG095	25 mL	MSV_M_MIX1SEC_00172	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MSV_M_MIX2SEC_00171	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00168	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_00172	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_00171	04/30/26		Restek, Lot A0197573		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00168	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							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_LL_#1_826_00099	11/14/23	10/15/23	Methanol, Lot EG095	1 mL	MSV_CCV_VOC#1_00150	50 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane (EDB)	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butanol	4375 ug/mL
							n-Heptane	50 ug/mL
							Propionitrile	1000 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
							Tetrahydrofuran	250 ug/mL
							trans-1,4-Dichloro-2-butene	500 ug/mL
					MSV_CCV_VOC#3_00147	200 uL	Acrolein	2500.06 ug/mL
							2-Butanone (MEK)	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone (MIBK)	500 ug/mL
							Acetone	500 ug/mL
					MSV_V_VOA2_00210	150 uL	1,4-Dioxane	2500 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							Isobutyl alcohol	2500 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	4375 ug/mL
							Propionitrile	1000 ug/mL
							trans-1,4-Dichloro-2-butene	500 ug/mL
.MSV_CCV_VOC#1_00150	11/14/23	10/15/23	Methanol, Lot EG095	5 mL	MSV_MegaMIX#1_00146	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00142	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL
							1,2,3-Trimethylbenzene	1000 ug/mL
							1,3,5-Trichlorobenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Nitropropane	5000 ug/mL
							3-Chloro-1-propene	1000 ug/mL
							Acrylonitrile	2500 ug/mL
							Benzyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Hexane	1000 ug/mL
							Iodomethane	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropyl ether	1000 ug/mL
							Methacrylonitrile	2500 ug/mL
							Methyl acetate	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methacrylate	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
							n-Butanol	12500 ug/mL
							n-Heptane	1000 ug/mL
							Propionitrile	5000 ug/mL
							Tert-amyl methyl ether	1000 ug/mL
							Tert-butyl ethyl ether	1000 ug/mL
							Tetrahydrofuran	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
..MSV_MegaMIX#1_00146	11/14/23		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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

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_00142	11/14/23		Restek, Lot A0197578		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	5000 ug/mL
							1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Nitropropane	25000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Acrylonitrile	12500 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Hexane	5000 ug/mL
							Iodomethane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,4-Dichloro-2-butene	12500 ug/mL
.MSV_CCV_VOC#3_00147	11/14/23	10/15/23	Methanol, Lot EG095	5 mL	MSV_CCV_ACR_00013	0.5 mL	Acrolein	12500.3 ug/mL
					MSV_V_Ketones_00143	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_00013	11/16/23	09/17/23	Methanol, Lot EG095	10 mL	MSV_VACR_STK_00035	9.299 mL	Acrolein	125003 ug/mL
...MSV_VACR_STK_00035	11/16/23	09/17/23	Methanol, Lot EG095	10 mL	MSV_ACROLEIN_00029	1.447 g	Acrolein	134426 ug/mL
....MSV_ACROLEIN_00029	06/30/24	Chem Service, Lot 14451400			(Purchased Reagent)		Acrolein	0.929 g/g
..MSV_V_Ketones_00143	01/31/25	Restek, Lot A0193494			(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.MSV_V_VOA2_00210	11/14/23	10/15/23	Methanol, Lot EG095	5 mL	MSV_V#2B_00338	1 mL	1,4-Dioxane	12500 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Methacrylonitrile	2500 ug/mL
							n-Butanol	25000 ug/mL
							Propionitrile	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
..MSV_V#2B_00338	05/31/25	Restek, Lot A0197599			(Purchased Reagent)		1,4-Dioxane	62500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Methacrylonitrile	12500 ug/mL
							n-Butanol	125000 ug/mL
							Propionitrile	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
MSV_LL_#1_826_00107	01/06/24	12/10/23	Methanol, Lot EG095	1 mL	MSV_CCV_VOC#1_00159	50 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane (EDB)	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							2-Nitropropane	250 ug/mL
							3-Chloro-1-propene	50 ug/mL
							Acrylonitrile	125 ug/mL
							Benzyl chloride	50 ug/mL
							Carbon disulfide	50 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cyclohexane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	2500 ug/mL
							Isopropyl ether	50 ug/mL
							Methacrylonitrile	500 ug/mL
							Methyl acetate	50 ug/mL
							Methyl methacrylate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							n-Butanol	4375 ug/mL
							n-Heptane	50 ug/mL
							Propionitrile	1000 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
							Tetrahydrofuran	250 ug/mL
							trans-1,4-Dichloro-2-butene	500 ug/mL
					MSV_CCV_VOC#3_00156	200 uL	Acrolein	2499.86 ug/mL
							2-Butanone (MEK)	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone (MIBK)	500 ug/mL
							Acetone	500 ug/mL
					MSV_V_VOA2_00218	150 uL	1,4-Dioxane	2500 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							Isobutyl alcohol	2500 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	4375 ug/mL
							Propionitrile	1000 ug/mL
							trans-1,4-Dichloro-2-butene	500 ug/mL
.MSV_CCV_VOC#1_00159	01/09/24	12/10/23	Methanol, Lot EG095	5 mL	MSV_MegaMIX#1_00156	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00152	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL
							1,2,3-Trimethylbenzene	1000 ug/mL
							1,3,5-Trichlorobenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Nitropropane	5000 ug/mL
							3-Chloro-1-propene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acrylonitrile	2500 ug/mL
							Benzyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Hexane	1000 ug/mL
							Iodomethane	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropyl ether	1000 ug/mL
							Methacrylonitrile	2500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl methacrylate	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
							n-Butanol	12500 ug/mL
							n-Heptane	1000 ug/mL
							Propionitrile	5000 ug/mL
							Tert-amyl methyl ether	1000 ug/mL
							Tert-butyl ethyl ether	1000 ug/mL
							Tetrahydrofuran	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
..MSV_MegaMIX#1_00156	01/09/24		Restek, Lot A0197556		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromobenzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m-Xylene & p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
..MSV_MegaMix#2_00152	01/09/24		Restek, Lot A0197578		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	5000 ug/mL
							1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Nitropropane	25000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Acrylonitrile	12500 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Hexane	5000 ug/mL
							Iodomethane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl ether	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
.MSV_CCV_VOC#3_00156	01/06/24	12/10/23	Methanol, Lot EG095	5 mL	MSV_CCV_ACR_00014	0.5 mL	Acrolein	12499.3 ug/mL
					MSV_V_Ketones_00152	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_00014	01/06/24	11/07/23	Methanol, Lot EG095	10 mL	MSV_VACR_STK_00036	9.184 mL	Acrolein	124993 ug/mL
...MSV_VACR_STK_00036	01/06/24	11/07/23	Methanol, Lot EG095	10 mL	MSV_ACROLEIN_00030	1.465 g	Acrolein	136099 ug/mL
....MSV_ACROLEIN_00030	06/30/24	Chem Service, Lot 14451400			(Purchased Reagent)		Acrolein	0.929 g/g
..MSV_V_Ketones_00152	01/31/26	Restek, Lot A0193494			(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.MSV_V_VOA2_00218	01/09/24	12/10/23	Methanol, Lot EG095	5 mL	MSV_V#2B_00354	1 mL	1,4-Dioxane	12500 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Methacrylonitrile	2500 ug/mL
							n-Butanol	25000 ug/mL
							Propionitrile	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
..MSV_V#2B_00354	05/31/25	Restek, Lot A0197599			(Purchased Reagent)		1,4-Dioxane	62500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Methacrylonitrile	12500 ug/mL
							n-Butanol	125000 ug/mL
							Propionitrile	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
MSV_LL_#1_826_00121	04/21/24	03/24/24	Methanol, Lot EH235	1 mL	MSV_CCV_VOC#1_00176	50 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dibromoethane (EDB)	50 ug/mL
							1,2-Dichloroethane	50 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Methylene Chloride	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Carbon disulfide	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
					MSV_CCV_VOC#3_00172	200 uL	2-Butanone (MEK)	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone (MIBK)	500 ug/mL
							Acetone	500 ug/mL
.MSV_CCV_VOC#1_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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_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
							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_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_LL_#2_826_00108	10/31/23	10/15/23	Methanol, Lot EG095	1 mL	CCV_ETBR_00005	50 uL	Ethyl bromide	49.9548 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSV_BCE_00062	25 uL	1-Bromo-2-chloroethane	50 ug/mL
					MSV_CCV_EE_00005	50 uL	Ethyl ether	50.0068 ug/mL
					MSV_V_PentaCL_00037	10 uL	Pentachloroethane	50 ug/mL
.CCV_ETBR_00005	11/15/23	05/16/23	Methanol, Lot EG095	10 mL	MSV_VETBR_STK_00014	0.228 mL	Ethyl bromide	999.096 ug/mL
..MSV_VETBR_STK_00014	11/15/23	05/16/23	Methanol, Lot EG095	10 mL	MSV_EtBr_00007	0.4382 g	Ethyl bromide	43820 ug/mL
...MSV_EtBr_00007	06/30/25	Chem Service, Lot 13345600			(Purchased Reagent)		Ethyl bromide	1 g/g
.MSV_BCE_00062	10/31/23	Restek, Lot A0197429			(Purchased Reagent)		1-Bromo-2-chloroethane	2000 ug/mL
.MSV_CCV_EE_00005	11/10/23	05/10/23	Methanol, Lot EG095	50 mL	MSV_EE_MISCSK_00012	1.686 mL	Ethyl ether	1000.14 ug/mL
..MSV_EE_MISCSK_00012	11/10/23	05/10/23	Methanol, Lot EG095	10 mL	MSV_EE_Neat_00009	0.2966 g	Ethyl ether	29660 ug/mL
...MSV_EE_Neat_00009	05/30/27	Chem Service, Lot 14084700			(Purchased Reagent)		Ethyl ether	1 g/g
.MSV_V_PentaCL_00037	11/07/23	Restek, Lot A0184174			(Purchased Reagent)		Pentachloroethane	5000 ug/mL
MSV_LL_#2_826_00117	12/27/23	12/10/23	Methanol, Lot EG095	1 mL	CCV_ETBR_00006	50 uL	Ethyl bromide	50.0122 ug/mL
					MSV_BCE_00065	25 uL	1-Bromo-2-chloroethane	50 ug/mL
					MSV_CCV_EE_00006	50 uL	Ethyl ether	50.0069 ug/mL
					MSV_V_PentaCL_00040	10 uL	Pentachloroethane	50 ug/mL
.CCV_ETBR_00006	05/12/24	11/13/23	Methanol, Lot EG095	10 mL	MSV_VETBR_STK_00015	0.139 mL	Ethyl bromide	1000.24 ug/mL
..MSV_VETBR_STK_00015	05/12/24	11/13/23	Methanol, Lot EG095	10 mL	MSV_EtBr_00008	0.7196 g	Ethyl bromide	71960 ug/mL
...MSV_EtBr_00008	06/30/25	Chem Service, Lot 13345600			(Purchased Reagent)		Ethyl bromide	1 g/g
.MSV_BCE_00065	12/27/23	Restek, Lot A0201612			(Purchased Reagent)		1-Bromo-2-chloroethane	2000 ug/mL
.MSV_CCV_EE_00006	05/07/24	11/07/23	Methanol, Lot EG095	50 mL	MSV_EE_MISCSK_00013	1.579 mL	Ethyl ether	1000.14 ug/mL
..MSV_EE_MISCSK_00013	05/07/24	11/07/23	Methanol, Lot EG095	10 mL	MSV_EE_Neat_00010	0.3167 g	Ethyl ether	31670 ug/mL
...MSV_EE_Neat_00010	05/30/27	Chem Service, Lot 14084700			(Purchased Reagent)		Ethyl ether	1 g/g
.MSV_V_PentaCL_00040	01/02/24	Restek, Lot A0184174			(Purchased Reagent)		Pentachloroethane	5000 ug/mL
MSV_LL_GAS826_00174	10/22/23	10/15/23	Methanol, Lot EG095	1 mL	MSV_CCV_GASES_00609	25 uL	1,2-Dichloro-1,1,2-trifluoroethane	50 ug/mL
							Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.MSV_CCV_GASES_00609	10/22/23	Restek, Lot A0197586			(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LL_GAS826_00182	12/17/23	12/10/23	Methanol, Lot EG095	1 mL	MSV_CCV_GASES_00655	25 uL	1,2-Dichloro-1,1,2-trifluoroethane	50 ug/mL
							Bromomethane	50 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.MSV_CCV_GASES_00655	12/17/23		Restek, Lot A0197586		(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LL_GAS826_00200	03/28/24	03/24/24	Methanol, Lot EH235	1 mL	MSV_CCV_GASES_00724	25 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.MSV_CCV_GASES_00724	03/28/24		Restek, Lot A0197586		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LLcentISS_00009	01/06/24	07/06/23	Methanol, Lot EG095	50 mL	MSV_8260_SS_00953	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
					MSV_Cus826_IS_00582	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5 (IS)	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
							t-Butyl alcohol-d10 (IS)	250 ug/mL
.MSV_8260_SS_00953	02/29/28		Restek, Lot A0195060		(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_00582	04/30/26		Restek, Lot A0197488		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_LLcentISS_00010	01/06/24	10/17/23	Methanol, Lot EG095	50 mL	MSV_Cus826_IS_00582	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5 (IS)	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
							t-Butyl alcohol-d10 (IS)	250 ug/mL
.MSV_Cus826_IS_00582	04/30/26		Restek, Lot A0197488		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_LLcentISS_00012	08/01/24	02/01/24	Methanol, Lot EG095	50 mL	MSV_Cus826_IS_00663	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5 (IS)	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
							t-Butyl alcohol-d10 (IS)	250 ug/mL
.MSV_Cus826_IS_00663	10/31/26		Restek, Lot A0203141		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_LLcentISS_00012	08/01/24	02/01/24	Methanol, Lot EG095	50 mL	MSV_8260_SS_01091	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.MSV_8260_SS_01091	05/30/28		Restek, Lot A0201083		(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_QC_Gas826_00164	10/22/23	10/15/23	Methanol, Lot EG095	1 mL	MSV_QC_2K_GAS_00182	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00182	10/22/23		Restek, Lot A0184924		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_QC_Gas826_00173	12/17/23	12/10/23	Methanol, Lot EG095	1 mL	MSV_QC_2K_GAS_00150	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00150	12/17/23		Restek, Lot A0184924		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_QC_Gas826_00190	03/31/24	03/24/24	Methanol, Lot EH235	1 mL	MSV_QC_2K_GAS_00207	20 uL	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_RV1_826_00041	03/31/21	03/08/21	Methanol, Lot DZ644	1 mL	MSV_V#1B_00146	10 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
					MSV_V#2B_00197	10 uL	1,4-Dioxane	2500 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							Isobutyl alcohol	2500 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	5000 ug/mL
							Propionitrile	1000 ug/mL
							trans-1,4-Dichloro-2-butene	500 ug/mL
					MSV_V#4C_00126	10 uL	1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,2-Dichloro-1,1,2-trifluoroethane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							Benzyl chloride	50 ug/mL
							Butadiene	50 ug/mL
							Carbon disulfide	50 ug/mL
							Cyclohexane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isopropyl ether	50 ug/mL
							Methyl methacrylate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							n-Heptane	50 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
					MSV_V_VOA2_00074	150 uL	1,4-Dioxane	2500 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							Isobutyl alcohol	2500 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	5000 ug/mL
							Propionitrile	1000 ug/mL
							trans-1,4-Dichloro-2-butene	500 ug/mL
					MSV_V_VOA3_00072	100 uL	2-Butanone (MEK)	500 ug/mL
							2-Hexanone	500 ug/mL
							2-Nitropropane	500 ug/mL
							4-Methyl-2-pentanone (MIBK)	500 ug/mL
							Acetone	500 ug/mL
							Acrylonitrile	250 ug/mL
							Tetrahydrofuran	500 ug/mL
							Acrolein	2499.89 ug/mL
.MSV_V#1B_00146	03/31/23		Restek, Lot A0158586		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,1-Trichloroethane	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-Trichlorobenzene	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
							1-Chlorohexane	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
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m-Xylene & p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
.MSV_V#2B_00197	04/07/21		Restek, Lot A0159694		(Purchased Reagent)		1,4-Dioxane	62500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Methacrylonitrile	12500 ug/mL
							n-Butanol	125000 ug/mL
							Propionitrile	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
.MSV_V#4C_00126	03/31/21		Restek, Lot A0158660		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	5000 ug/mL
							1,2-Dichloro-1,1,2-trifluoroethane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							Benzyl chloride	5000 ug/mL
							Butadiene	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
							Isopropyl ether	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
							n-Heptane	5000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
.MSV_V_VOA2_00074	04/07/21	03/08/21	Methanol, Lot DZ644	5 mL	MSV_V#2B_00198	1 mL	1,4-Dioxane	12500 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Methacrylonitrile	2500 ug/mL
							n-Butanol	25000 ug/mL
							Propionitrile	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
..MSV_V#2B_00198	04/07/21		Restek, Lot A0159694		(Purchased Reagent)		1,4-Dioxane	62500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Methacrylonitrile	12500 ug/mL
							n-Butanol	125000 ug/mL
							Propionitrile	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
.MSV_V_VOA3_00072	04/07/21	03/08/21	Methanol, Lot DZ644	5 mL	MSV_V#3B_00085	1 mL	2-Butanone (MEK)	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Hexanone	5000 ug/mL
							2-Nitropropane	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
							Acrylonitrile	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
					MSV_VACR_00015	1 mL	Acrolein	24998.9 ug/mL
..MSV_V#3B_00085	04/07/21		Restek, Lot A0158677		(Purchased Reagent)		2-Butanone (MEK)	25000 ug/mL
							2-Hexanone	25000 ug/mL
							2-Nitropropane	25000 ug/mL
							4-Methyl-2-pentanone (MIBK)	25000 ug/mL
							Acetone	25000 ug/mL
							Acrylonitrile	12500 ug/mL
							Tetrahydrofuran	25000 ug/mL
..MSV_VACR_00015	04/11/21	02/10/21	Methanol, Lot DZ644	10 mL	MSV_VACR_STK_00017	9.135 mL	Acrolein	124994 ug/mL
...MSV_VACR_STK_00017	04/11/21	02/10/21	Methanol, Lot DZ644	10 mL	MSV_ACROLEIN_00010	1.4603 g	Acrolein	136830 ug/mL
....MSV_ACROLEIN_00010	09/30/21		Chem Service, Lot 10804400		(Purchased Reagent)		Acrolein	0.937 g/g
MSV_RV4_826_00047	03/24/21	03/11/21	Methanol, Lot DZ644	1 mL	MSV_BCE_00025	25 uL	1-Bromo-2-chloroethane	50 ug/mL
					MSV_V_EE_00004	50 uL	Ethyl ether	50.0108 ug/mL
					MSV_V_ETBR_00009	50 uL	Ethyl bromide	50.024 ug/mL
					MSV_V_VOA6_00078	50 uL	1,2,3-Trimethylbenzene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Methyl acetate	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Pentachloroethane	50 ug/mL
.MSV_BCE_00025	03/24/21		Restek, Lot A0161419		(Purchased Reagent)		1-Bromo-2-chloroethane	2000 ug/mL
.MSV_V_EE_00004	04/21/21	10/21/20	Methanol, Lot DX212	100 mL	MSV_EE_MISCSK_00005	1.434 mL	Ethyl ether	1000.22 ug/mL
..MSV_EE_MISCSK_00005	04/21/21	10/21/20	Methanol, Lot DX212	10 mL	MSV_EE_Neat_00003	0.6975 g	Ethyl ether	69750 ug/mL
...MSV_EE_Neat_00003	11/30/21		Chem Service, Lot 7967000		(Purchased Reagent)		Ethyl ether	1 g/g
.MSV_V_ETBR_00009	06/29/21	12/29/20	Methanol, Lot DZ644	10 mL	MSV_VETBR_STK_00008	0.481 mL	Ethyl bromide	1000.48 ug/mL
..MSV_VETBR_STK_00008	06/29/21	12/29/20	Methanol, Lot DZ644	10 mL	MSV_EtBr_00002	0.208 g	Ethyl bromide	20800 ug/mL
...MSV_EtBr_00002	05/31/23		Chem Service, Lot 10795800		(Purchased Reagent)		Ethyl bromide	1 g/g
.MSV_V_VOA6_00078	04/07/21	03/08/21	Methanol, Lot DZ644	5 mL	MSV_V#6_00062	1 mL	1,2,3-Trimethylbenzene	1000 ug/mL
							3-Chloro-1-propene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Methyl acetate	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..MSV_V#6_00062	04/07/21		Restek, Lot A0158625		(Purchased Reagent)		1,2,3-Trimethylbenzene	5000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Methyl acetate	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							Pentachloroethane	5000 ug/mL
MSV_RV4GAS826_00118	03/18/21	03/11/21	Methanol, Lot DZ644	1 mL	MSV_DCFM_00035	25 uL	Dichlorofluoromethane	50 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSV_V_Gas_00216	25 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.MSV_DCFM_00035	03/24/21		AccuStandard, Lot 220101035		(Purchased Reagent)		Dichlorofluoromethane	2000 ug/mL
.MSV_V_Gas_00216	03/18/21		Restek, Lot A0159812		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_V_BFB_00004							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Xylenes, Total	
					MSV_VBFB_STK_00005	0.124 mL	BFB	49.8282 ug/mL
.MSV_VBFB_STK_00005	07/14/21	01/14/21	Methanol, Lot DZ644	10 mL	MSV_4BFB_NEAT_00004	1.0046 g	BFB	100460 ug/mL
..MSV_4BFB_NEAT_00004	02/28/25		Chem Service, Lot 10727100		(Purchased Reagent)		BFB	1 g/g
MSV_V_BFB_00012							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Xylenes, Total	
					MSV_VBFB_STK_00010	0.096 mL	BFB	49.7971 ug/mL
.MSV_VBFB_STK_00010	12/13/23	06/13/23	Methanol, Lot EG095	10 mL	MSV_4BFB_NEAT_00010	1.2968 g	BFB	129680 ug/mL
..MSV_4BFB_NEAT_00010	05/31/25		Chem Service, Lot 13775500		(Purchased Reagent)		BFB	1 g/g
MSV_V_BFB_00013							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Xylenes, Total	
					MSV_VBFB_STK_00010	0.019 mL	BFB	49.2784 ug/mL
.MSV_VBFB_STK_00010	12/13/23	06/13/23	Methanol, Lot EG095	10 mL	MSV_4BFB_NEAT_00010	1.2968 g	BFB	129680 ug/mL
..MSV_4BFB_NEAT_00010	05/31/25		Chem Service, Lot 13775500		(Purchased Reagent)		BFB	1 g/g
MSV_V_BFB_00016							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Xylenes, Total	
					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 TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_V_SMRV4_00063	11/07/23	10/11/23	Methanol, Lot EG095	1 mL	MSV_CCV_2CEVE_00142	200 uL	2-Chloroethyl vinyl ether	200 ug/mL
					MSV_CCV_LKB_00007	400 uL	cis-1,4-Dichloro-2-butene	399.99 ug/mL
					MSV_V_SMFreon_00031	100 uL	Chlorodifluoromethane	200 ug/mL
.MSV_CCV_2CEVE_00142	11/07/23	10/08/23	Methanol, Lot EG095	5 mL	MSV_V_2CLEVE_00147	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00147	04/30/26		Restek, Lot A0197472		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_LKB_00007	12/26/23	06/26/23	Methanol, Lot EG095	50 mL	MSV_Vc14d_STK_00009	1.411 mL	cis-1,4-Dichloro-2-butene	999.976 ug/mL
..MSV_Vc14d_STK_00009	12/26/23	06/26/23	Methanol, Lot EG095	10 mL	MSV_c14dcb_Nt_00004	0.373 g	cis-1,4-Dichloro-2-butene	35435 ug/mL
...MSV_c14dcb_Nt_00004	08/16/27		Aldrich, Lot SHBH4584V		(Purchased Reagent)		cis-1,4-Dichloro-2-butene	0.95 g/g
.MSV_V_SMFreon_00031	11/08/23		Restek, Lot A0184508		(Purchased Reagent)		Chlorodifluoromethane	2000 ug/mL
MSV_V_SMRV4_00065	12/26/23	12/07/23	Methanol, Lot EG095	1 mL	MSV_CCV_2CEVE_00151	200 uL	2-Chloroethyl vinyl ether	200 ug/mL
					MSV_CCV_LKB_00007	400 uL	cis-1,4-Dichloro-2-butene	399.99 ug/mL
					MSV_V_SMFreon_00034	100 uL	Chlorodifluoromethane	200 ug/mL
.MSV_CCV_2CEVE_00151	01/02/24	12/03/23	Methanol, Lot EG095	5 mL	MSV_V_2CLEVE_00156	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00156	04/30/26		Restek, Lot A0197472		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_LKB_00007	12/26/23	06/26/23	Methanol, Lot EG095	50 mL	MSV_Vc14d_STK_00009	1.411 mL	cis-1,4-Dichloro-2-butene	999.976 ug/mL
..MSV_Vc14d_STK_00009	12/26/23	06/26/23	Methanol, Lot EG095	10 mL	MSV_c14dcb_Nt_00004	0.373 g	cis-1,4-Dichloro-2-butene	35435 ug/mL
...MSV_c14dcb_Nt_00004	08/16/27		Aldrich, Lot SHBH4584V		(Purchased Reagent)		cis-1,4-Dichloro-2-butene	0.95 g/g
.MSV_V_SMFreon_00034	01/05/24		Restek, Lot A0184508		(Purchased Reagent)		Chlorodifluoromethane	2000 ug/mL

Reagent

MSV_8260_SS_00293

RESTEK
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Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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. : 55671 **Lot No.:** A0146938

Description : 8260A Surrogate Mix

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

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

Expiration Date : March 31, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Dibromofluoromethane		2,505.2 µg/mL	+/- 14.5653	µg/mL	Gravimetric
	CAS # 1868-53-7	(Lot 0012016)		+/- 140.4622	µg/mL	Unstressed
	Purity 99%			+/- 143.7488	µg/mL	Stressed
2	1,2-Dichloroethane-d4		2,517.2 µg/mL	+/- 14.6350	µg/mL	Gravimetric
	CAS # 17060-07-0	(Lot PR-26748)		+/- 141.1350	µg/mL	Unstressed
	Purity 99%			+/- 144.4374	µg/mL	Stressed
3	Toluene-d8		2,507.7 µg/mL	+/- 14.5798	µg/mL	Gravimetric
	CAS # 2037-26-5	(Lot PR-27311)		+/- 140.6024	µg/mL	Unstressed
	Purity 99%			+/- 143.8923	µg/mL	Stressed
4	1-Bromo-4-fluorobenzene (BFB)		2,507.7 µg/mL	+/- 14.5798	µg/mL	Gravimetric
	CAS # 460-00-4	(Lot 20401KO)		+/- 140.6024	µg/mL	Unstressed
	Purity 99%			+/- 143.8923	µg/mL	Stressed

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

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

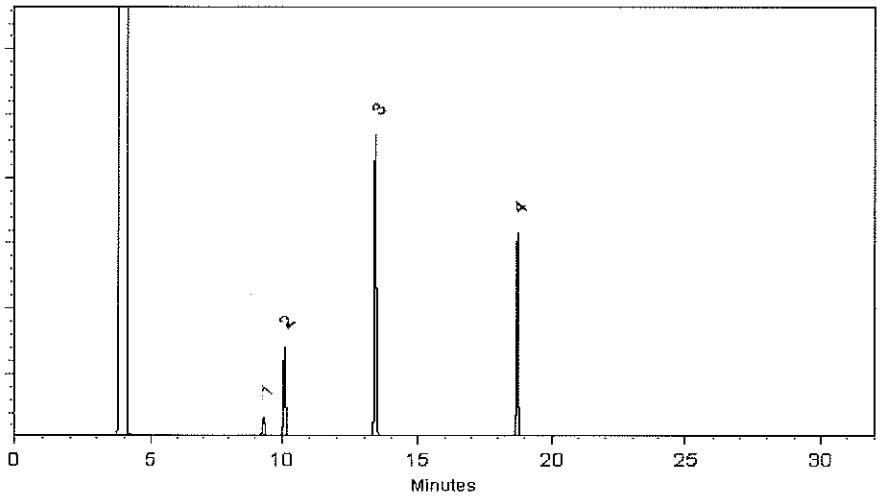
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Maggie Wang
Maggie Wang - Operations Technician I

Date Mixed: 12-Mar-2019 **Balance:** 1128342314

Jennifer J Pollino
Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 15-Mar-2019

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

Reagent

MSV_8260_SS_01084

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 30240 **Lot No.:** A0201083

Description : 8260A Surrogate Mix

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

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,511.4 µg/mL	+/- 141.0796
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,521.4 µg/mL	+/- 141.6413
3	Toluene-d8	2037-26-5	I-27008	99%	2,511.4 µg/mL	+/- 141.0796
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000194533	99%	2,521.2 µg/mL	+/- 141.6301

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

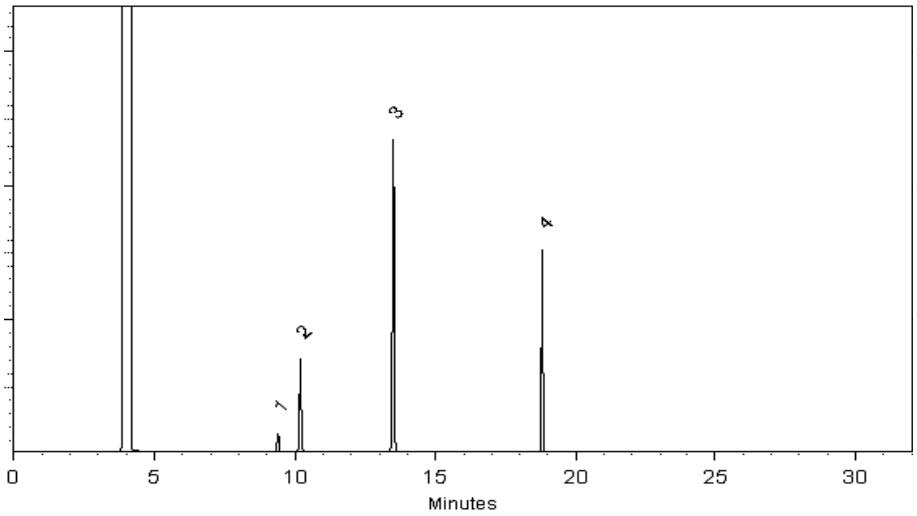
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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

Peter Robbins - Operations Technician I

Date Mixed: 16-Aug-2023 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 21-Aug-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_8260_SS_01155

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : 8260A Surrogate Mix

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

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,510.0 µg/mL	+/- 141.0009
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,518.2 µg/mL	+/- 141.4616
3	Toluene-d8	2037-26-5	PR-33397	99%	2,523.4 µg/mL	+/- 141.7537
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000194533	99%	2,508.7 µg/mL	+/- 140.9301

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

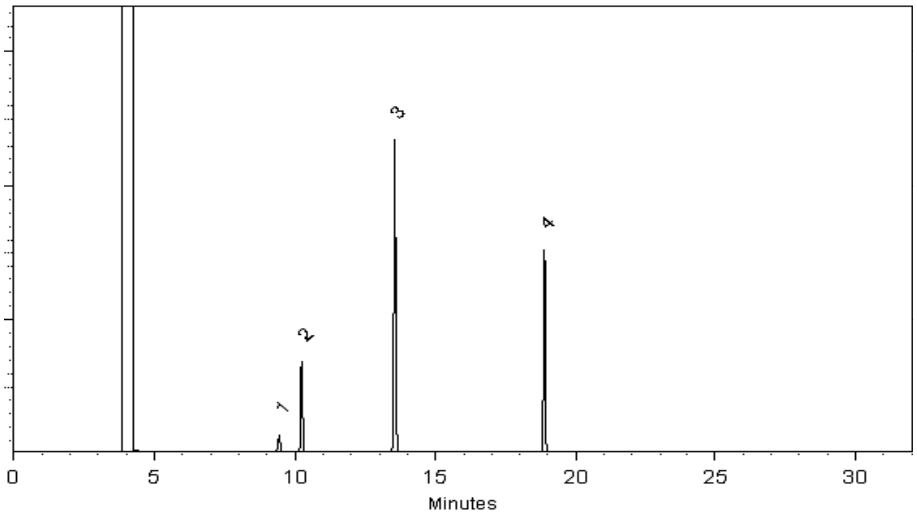
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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

Peter Robbins - Operations Technician I

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

Dillan Murphy - Operations Technician I

Date Passed: 19-Oct-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_BCE_00025

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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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. : 30469 **Lot No.:** A0161419

Description : 1-Bromo-2-chloroethane Standard

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

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

Expiration Date : June 30, 2025 **Storage:** 0°C or colder

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	1-Bromo-2-chloroethane	2,000.0 µg/mL	+/- 18.5989 µg/mL	Gravimetric
	CAS # 107-04-0 (Lot BCBQ8054V)		+/- 113.0736 µg/mL	Unstressed
	Purity 99%		+/- 115.6763 µg/mL	Stressed

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

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

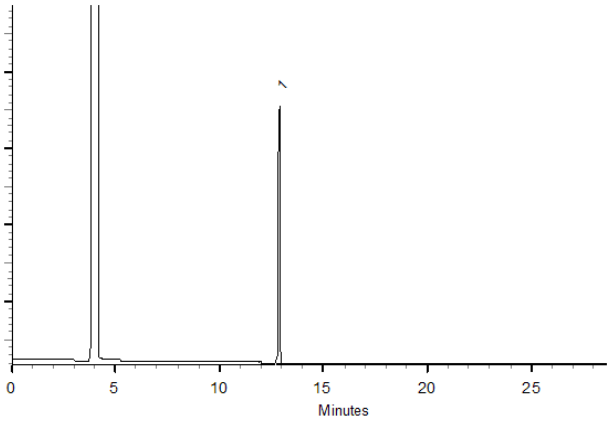
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Katelyn McGinni - Operations Tech I

Date Mixed: 03-Jun-2020 **Balance:** B707717271

Fang-Yun Lo - QC Analyst

Date Passed: 04-Jun-2020

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_BCE_00062

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 30469 **Lot No.:** A0197429

Description : 1-Bromo-2-chloroethane Standard

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

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

Expiration Date : April 30, 2028 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-2-chloroethane	107-04-0	BCCC1146	99%	2,014.0 µg/mL	+/- 113.1642

* 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.)

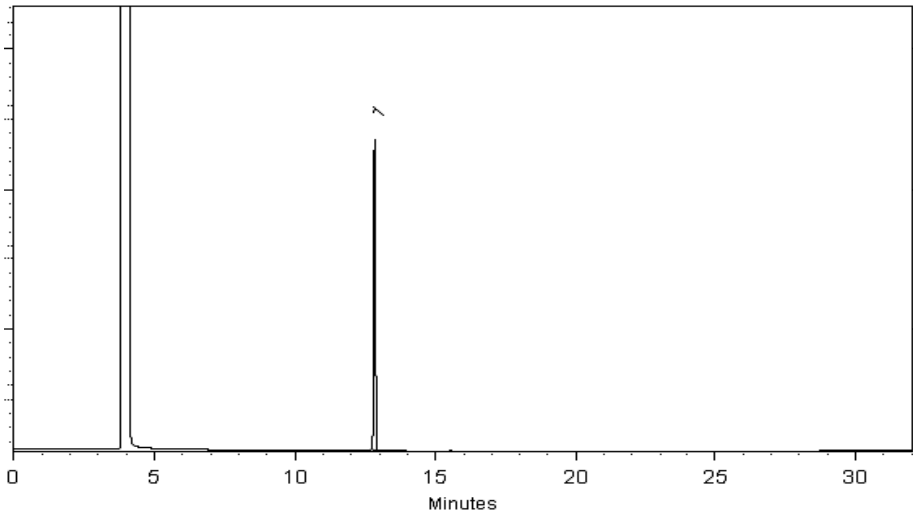
Inj. Temp:
200°C

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.

Nick Yaw - Operations Tech I

Date Mixed: 25-Apr-2023 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_BCE_00065

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CERTIFIED REFERENCE MATERIAL

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : 1-Bromo-2-chloroethane Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

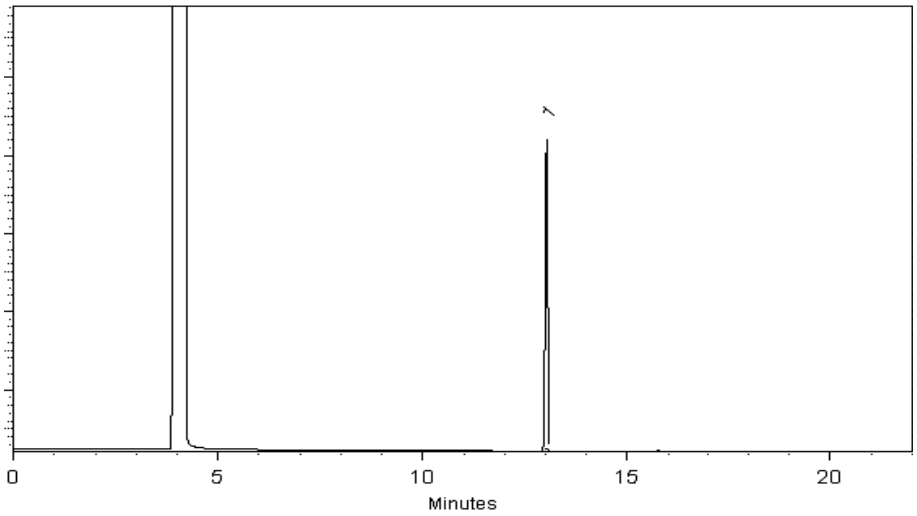
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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

Morgan Craighead - Mix Technician

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

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Sep-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_c14dcb_Nt_00004

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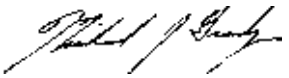
3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

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

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

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



Michael Grady, Manager
Quality Control
Sheboygan Falls, WI US

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

Reagent

MSV_CCV_GASES_00609

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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.

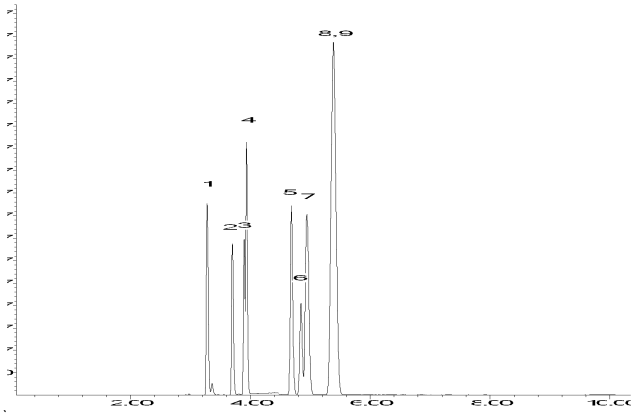
Inj. Temp:
200°C

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_CCV_GASES_00655

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

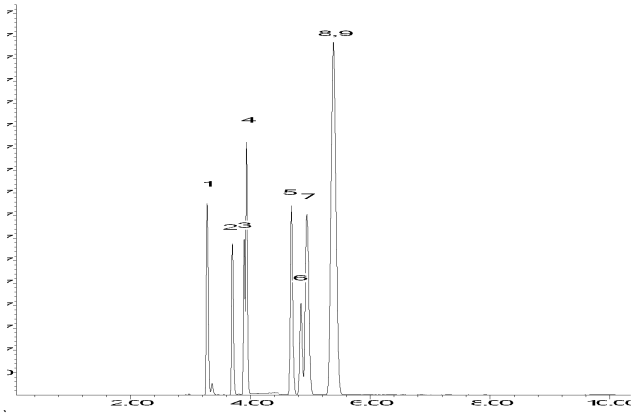
Inj. Temp:
200°C

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.
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Certified Uncertainty Value Notes:

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_CCV_GASES_00724

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.

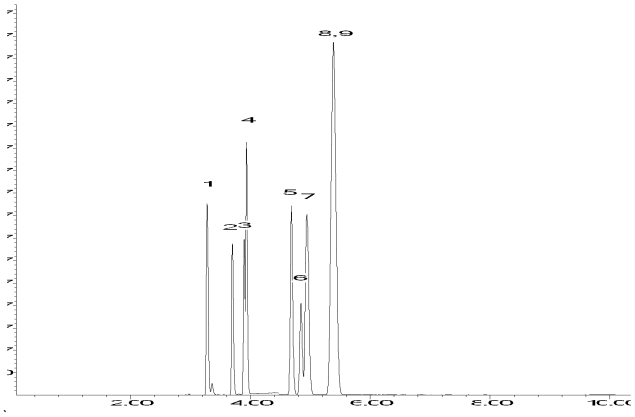
Inj. Temp:
200°C

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_Cus826_IS_00179

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

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. : 558267 **Lot No.:** A0138205

Description : Custom 8260A IS Mix

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

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

Expiration Date : May 31, 2021 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)		Expanded Uncertainty (95% C.L.; K=2)		
1	tert-Butyl Alcohol-d10		12,613.8	µg/mL	+/- 73.3376	µg/mL	Gravimetric
	CAS # 53001-22-2	(Lot PR-29485)			+/- 270.0624	µg/mL	Unstressed
	Purity 98%				+/- 277.9136	µg/mL	Stressed
2	Fluorobenzene		2,517.8	µg/mL	+/- 14.6387	µg/mL	Gravimetric
	CAS # 462-06-6	(Lot BCBK8171V)			+/- 53.9064	µg/mL	Unstressed
	Purity 99%				+/- 55.4736	µg/mL	Stressed
3	Chlorobenzene-d5		2,518.8	µg/mL	+/- 14.6445	µg/mL	Gravimetric
	CAS # 3114-55-4	(Lot PR-22736)			+/- 53.9278	µg/mL	Unstressed
	Purity 99%				+/- 55.4956	µg/mL	Stressed
4	1,4-Dichlorobenzene-d4		2,511.0	µg/mL	+/- 14.5992	µg/mL	Gravimetric
	CAS # 3855-82-1	(Lot PR-18488)			+/- 53.7608	µg/mL	Unstressed
	Purity 99%				+/- 55.3237	µg/mL	Stressed

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

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

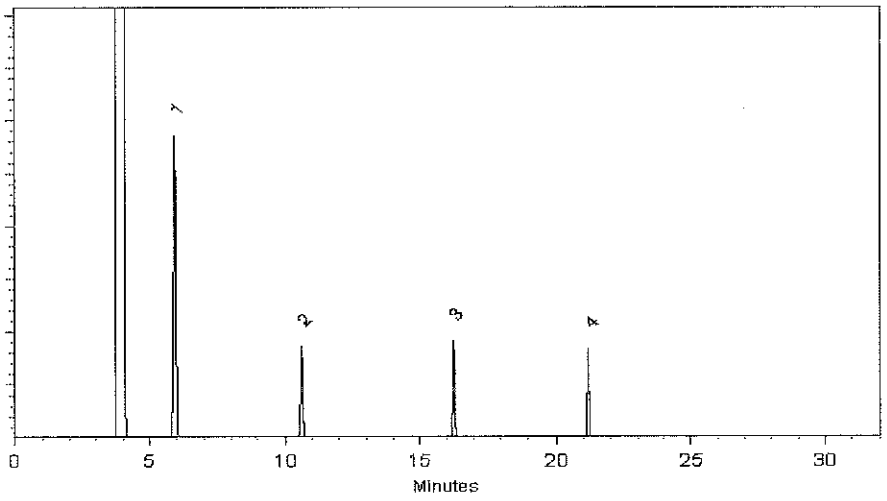
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Tom Suckar - Mix Technician

Date Mixed: 21-May-2018 **Balance:** 1128342314

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 23-May-2018

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

Reagent

MSV_Cus826_IS_00647

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. : 558267 **Lot No.:** A0203141

Description : Custom 8260A IS Mix

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

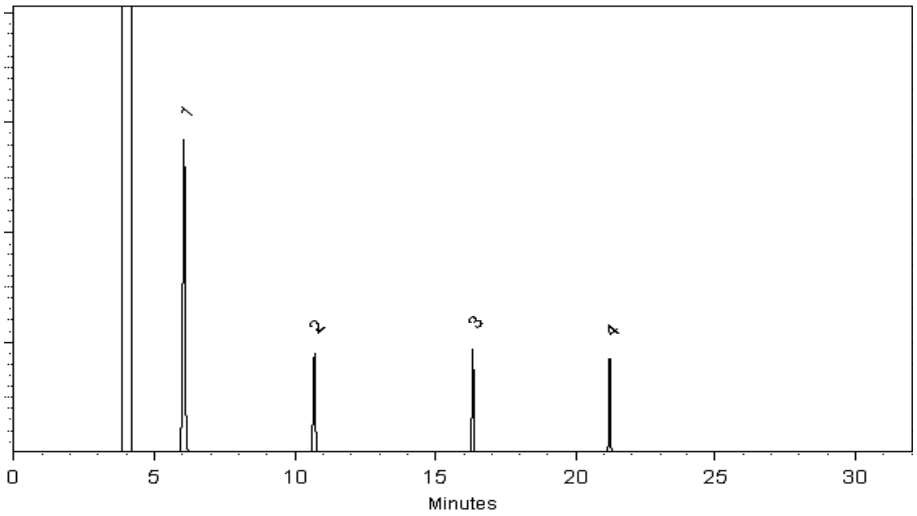
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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

Laith Clemente - Operations Technician I

Date Mixed: 13-Oct-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Oct-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_Cus826_IS_00785

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

Description : Custom 8260A IS Mix

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

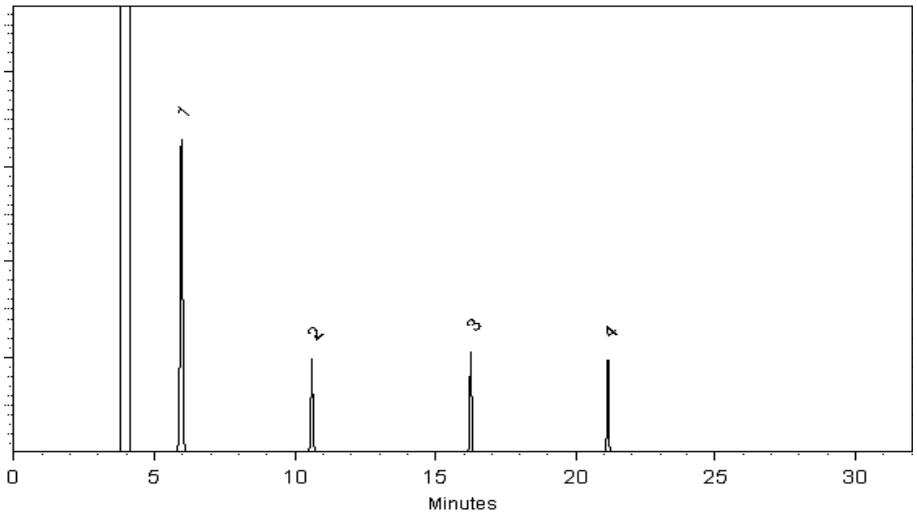
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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

Daniel Wasson - Operations Tech I

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

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_DCFM_00035

125 Market Street
New Haven, CT 06513
USA

AccuStandard® Inc.

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: M-502-61-10X
Description: Dichlorofluoromethane
Lot: 220101035
Solvent: Methanol
Hazards: *Refer to SDS for complete safety information*

Signal Word: Danger

Date Certified: Oct 6, 2020
Expiration: Oct 6, 2030
Sample Size: 1 mL
Components: 1
Storage Condition: Refrig (0-5 °C)

Certified Reference Material

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER AR-1463

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY AT-1339

ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration² (µg/mL)	Certified Analyte Concentration¹ (µg/mL)
Dichlorofluoromethane	75-43-4	98.0	2006	1966

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

² All weights are traceable through NIST, Test No. 684/289871-17

¹ Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

The information on this certificate may not be reproduced without the express permission of the manufacturer. See reverse side for additional information

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

AccuStandard is accredited to ISO 17034, ISO/IEC 17025 and certified to ISO 9001:2015

QR-ORG/INO-001
Rev. 5/18

1. **Quality Standards:**

   ISO 17034:2016 – General Requirements for the Competence of Reference Material Producers ANAB Certificate Number AR-1463

   ISO/IEC 17025:2017 – General Requirements for the Competence of Testing And Calibration Laboratories ANAB Certificate Number AT-1339

   ISO 9001:2015 – Quality Management System – Requirements Eagle Registrations Certificate Number 3774

2. **Intended Use:** The product covered by this certificate is designed for calibration or for use in quality control procedures for the specified chemical compounds listed on the reverse side. This product can be used for quantification and/or identification. This product can also be used as a reference material to validate analytical procedures, subject to the conditions under Section 7.

3. **Manufacturing:** All balances are calibrated daily using an in-house procedure with weights that are compared annually to master weights and traceable to NIST. The balances are also calibrated annually by an ISO/IEC 17025 accredited calibration laboratory. Please refer to the NIST test number listed on the front of this certificate. Class A glassware is used in the manufacture and quality control of all standards. Good Laboratory Practices have been used throughout the preparation of this Standard.

4. **Homogeneity:** This product is sufficiently homogeneous and any sample size would be within the uncertainty budget.

5. **Stability:** The manufacturer guarantees the stability of this solution through the expiration date stated on the label, when handled and stored according to the conditions stated on the label

6. **Uncertainty:** The uncertainty values as stated on the face of this certificate have been determined using the EURACHEM/CITAC Guide. We report a combined expanded uncertainty equal to the positive square root of the total variance of the uncertainty of the components using the following formula: $u_a = \sqrt{(u(\mathrm{V}))^2 + (u(\mathrm{m}))^2 + (u(\mathrm{IV}))^2 + (u(\mathrm{RO}))^2}$ This formula represents uncertainty components from the mass, volume, short-term stability, long-term stability and homogeneity factors associated with the production of this product. The expanded uncertainty, assumes a normal distribution and a coverage factor of k=2 is chosen using approximately a 95% confidence level.

7. **Legal Notice and Limit of Liability:** This product is for routine laboratory analysis and research purposes only. The company's liability will be limited to replacement of product or refund of purchase price. Notice of claims must be made within thirty (30) days from date of delivery.

Reagent

MSV_DME_00049

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom Dimethyl Ether Standard

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

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

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

Ship: Ambient

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

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

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

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

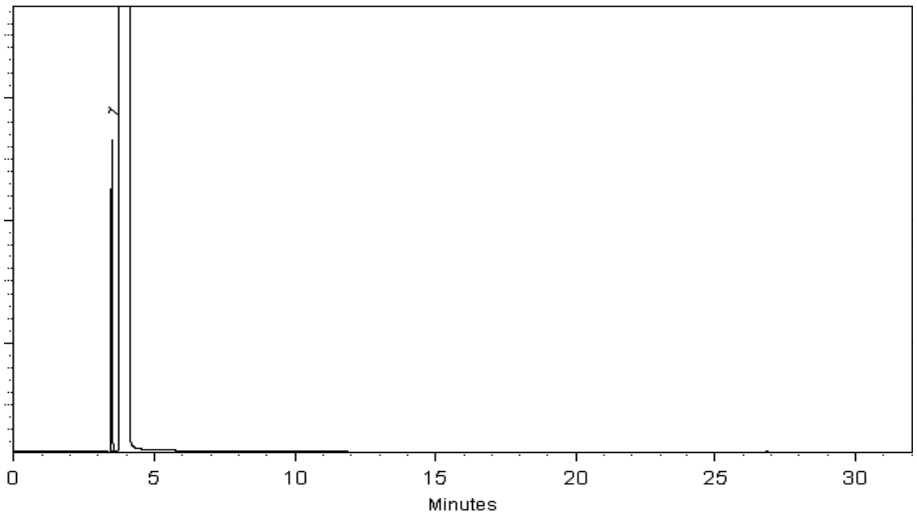
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Cathleen Soltis - Mix Technician

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

Christie Mills - Operations Tech II - ARM QC

Date Passed: 01-Nov-2022

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_DME_00050

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom Dimethyl Ether Standard

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

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

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

Ship: Ambient

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

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

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

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

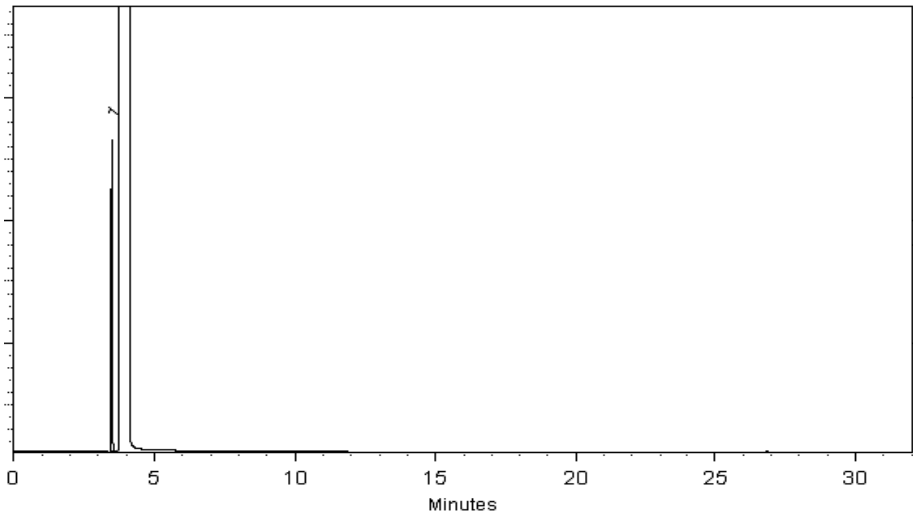
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Cathleen Soltis - Mix Technician

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

Christie Mills - Operations Tech II - ARM QC

Date Passed: 01-Nov-2022

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_EE_Neat_00003

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

CERTIFICATE OF ANALYSIS

Ethyl ether

CATALOG NUMBER	N-11897-1G
LOT NUMBER	7967000
DATE CERTIFIED	11/16/18
EXPIRATION DATE	11/30/21
CAS NUMBER	60-29-7
MOLECULAR FORMULA	C4H10O
MOLECULAR WEIGHT	74.12
STORAGE	Store under refrigeration.
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.
ISO GUIDE 34 CERTIFIED	[ ]

Analytical Test	Value
% PURITY (GC/TCD)	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:

Mary Beth O'Donnell

Mary Beth O'Donnell
CSM/TC

Chem Service, Inc. is accredited to ISO Guide 34:2009, ISO/IEC 17025:2005 and certified to ISO 9001:2008

ISO/IEC 17025
Accreditation Number :63520

Reference Material Producer
ISO GUIDE 34
Accreditation Number :63520

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

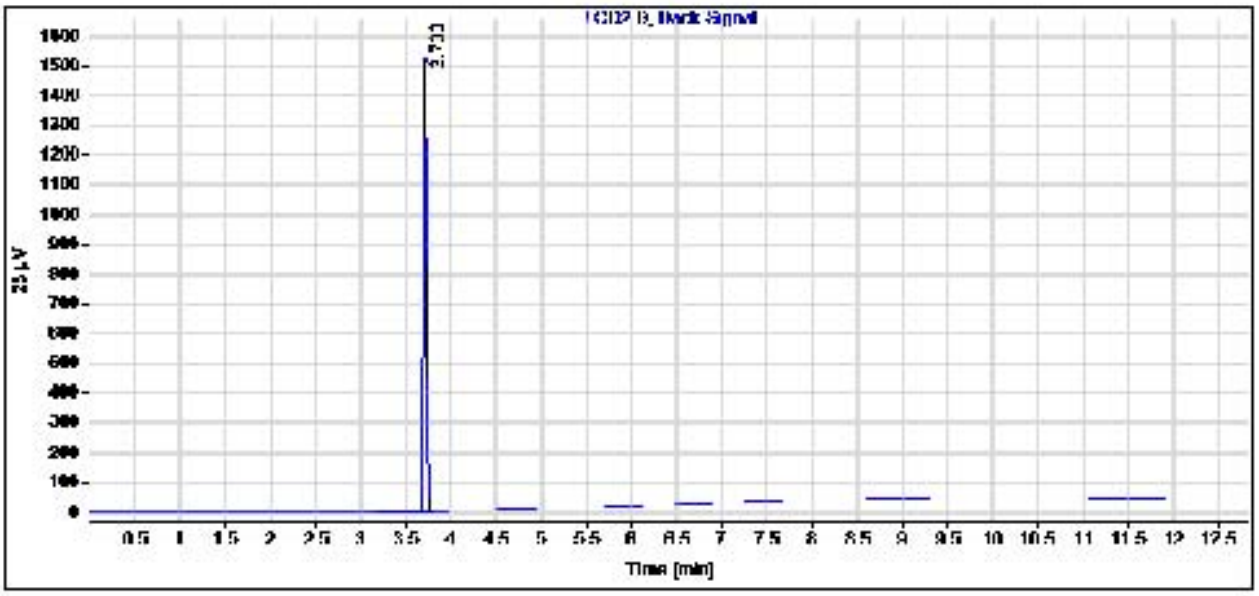
CERTIFICATE OF ANALYSIS

Gas Chromatography / Thermal Conductivity Detector (GC/TCD)

Data file: C:\CHEM32\1\DATA\2018 DATA\1118\SIG2080873.D

Sample name: Ethyl ether

Instrument:	GC 1	**Sample type:**	Sample
Injection date:	11/16/2018 10:06:22 AM	**Location:**	Vial 1
Acq. method:	TCD_M	**Injection volume:**	1.0uL
Column name:	DB-624 (30m x 0.53mm x 3.0um)		



Signal: TCD2 B, Back Signal

RT [min]	Type	Width [min]	Area	Height	Area%
3.706	BV	0.0361	3473.9382	1497.5255	100.0000
		Sum	3473.9382		

Chem Service, Inc. is accredited to ISO Guide 34:2009, ISO/IEC 17025:2005 and certified to ISO 9001:2008

ISO/IEC 17025 Accreditation Number 63520
Reference Material Producer ISO GUIDE 34 Accreditation Number 63520

Reagent

MSV_EtBr_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 bromide

CATALOG NUMBER	N-11888-1G
LOT NUMBER	10795800
DATE CERTIFIED	05/27/20
EXPIRATION DATE	05/31/23
CAS NUMBER	74-96-4
MOLECULAR FORMULA	C2H5Br
MOLECULAR WEIGHT	108.97
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
% PURITY (GC/FID)	99.5

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

Certified By:

Mary Beth O'Donnell

Mary Beth O'Donnell
CSM/TC

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
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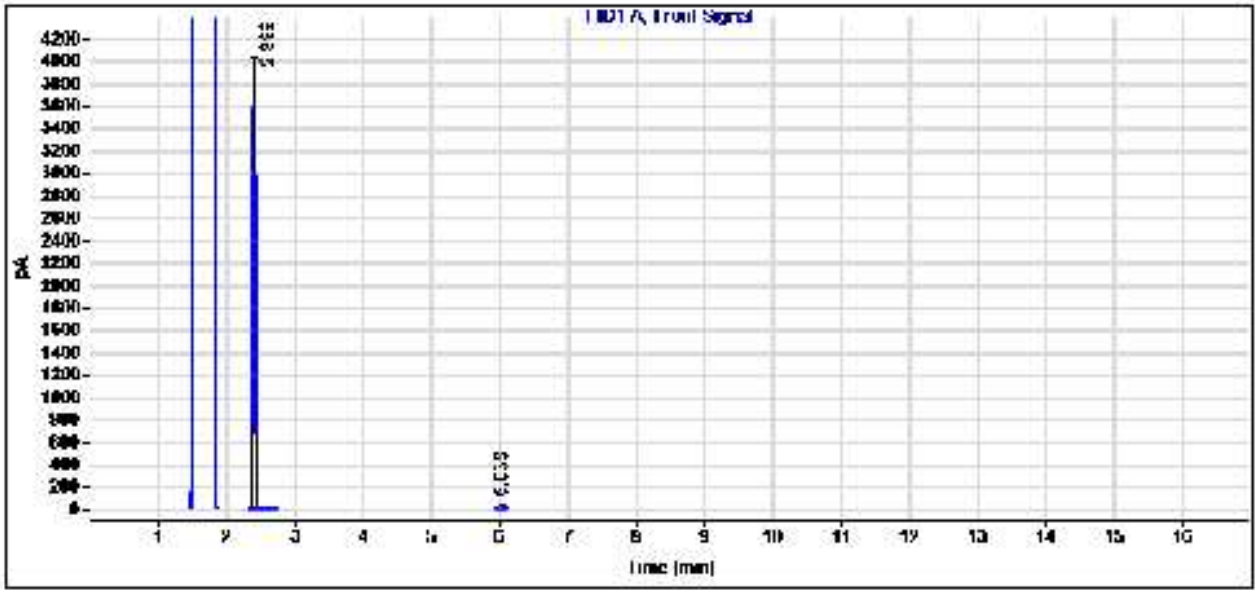
CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2020 DATA\0520\FID042273.D

Sample name: Bromoethane

Instrument:	GC 1	**Sample type:**	Sample
Injection date:	5/27/2020 10:27:10 AM	**Location:**	Vial 31
Acq. method:	MIX1.M	**Injection volume:**	1.0uL
Column name:	DB-624 (30m x 0.53mm x 3.0um)		



Signal: FID1 A, Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
2.399	BB S	0.0309	7828.1636	3985.3660	99.8275
6.036	BB	0.0336	13.5242	6.1630	0.1725
		Sum	7841.6877		

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.)

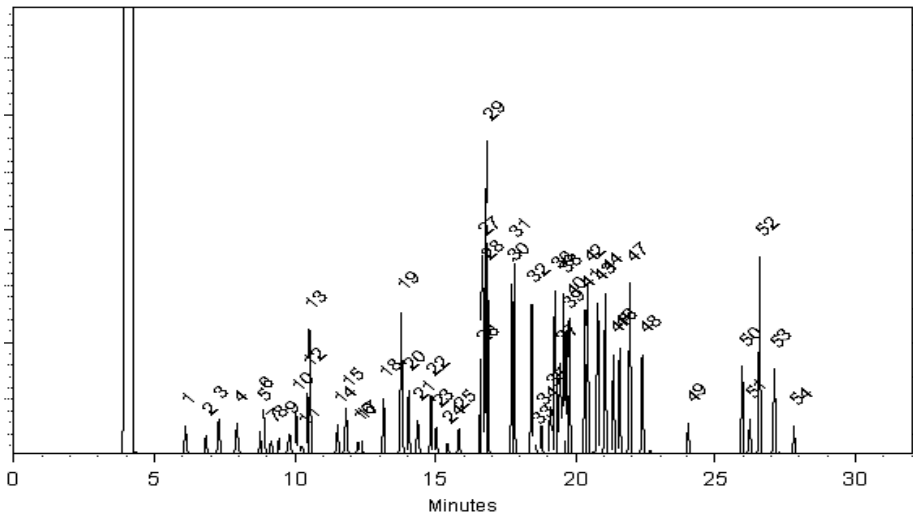
Inj. Temp:
200°C

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.)

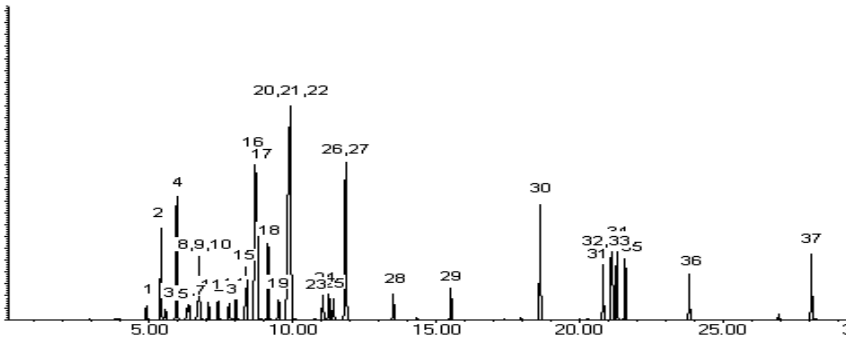
Inj. Temp:
200°C

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_00146

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.)

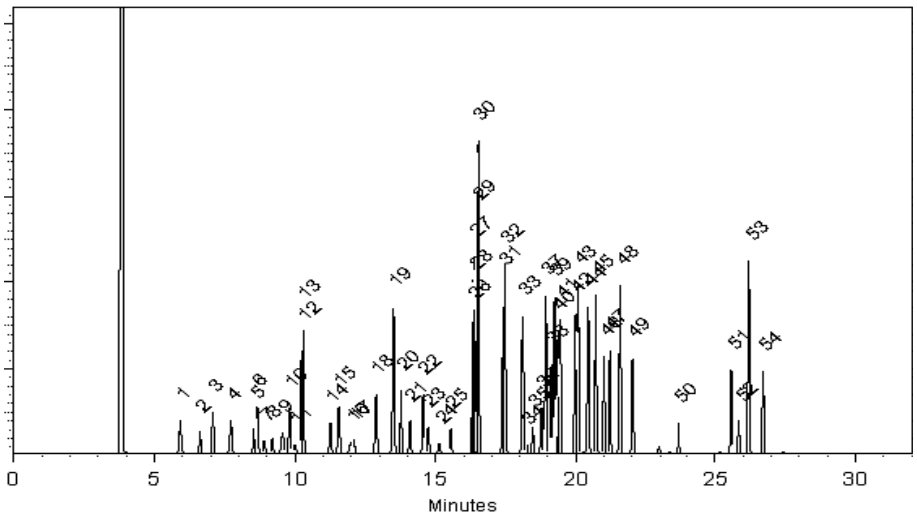
Inj. Temp:
200°C

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_00156

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.)

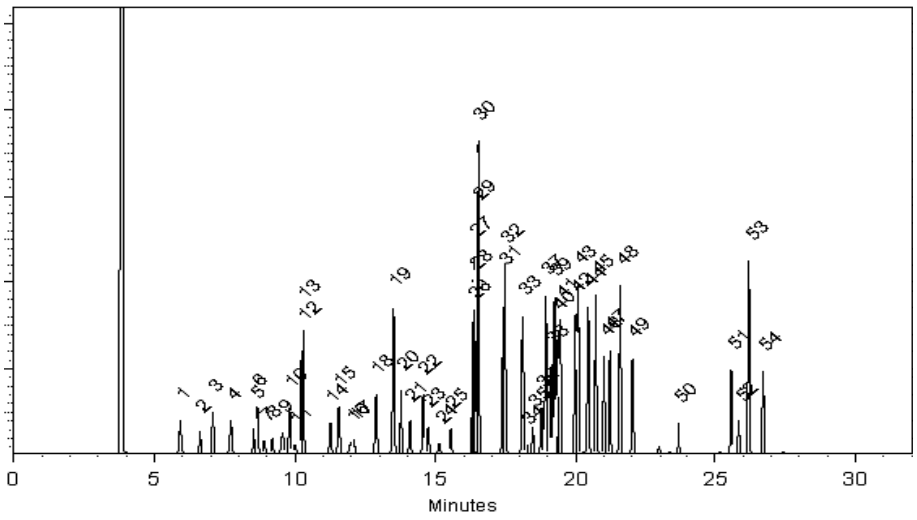
Inj. Temp:
200°C

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.)

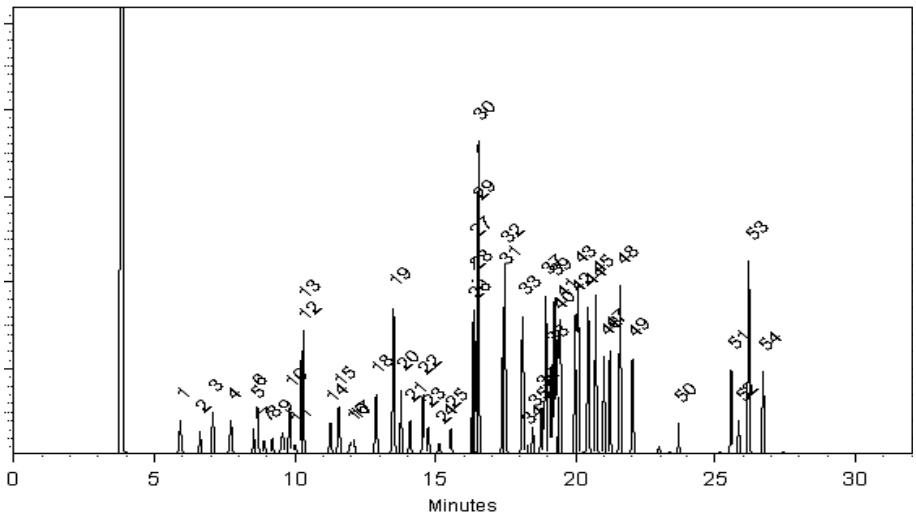
Inj. Temp:
200°C

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_00142

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.)

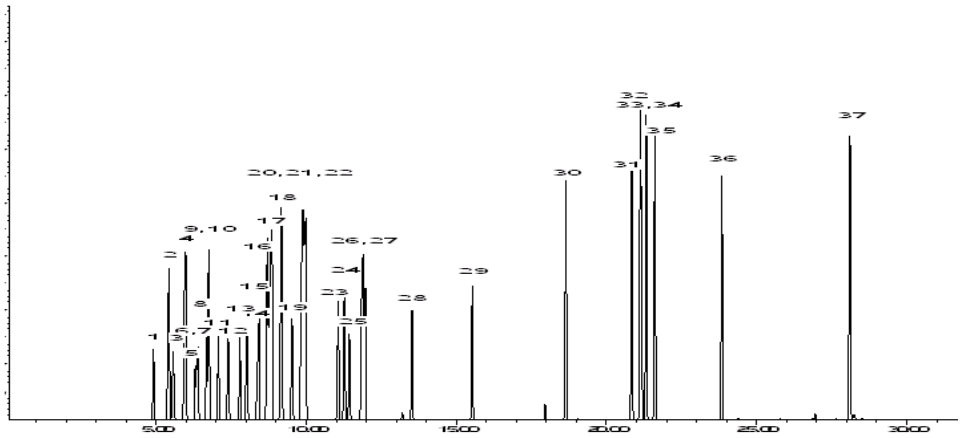
Inj. Temp:
200°C

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_00152

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

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CERTIFIED REFERENCE MATERIAL

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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.)

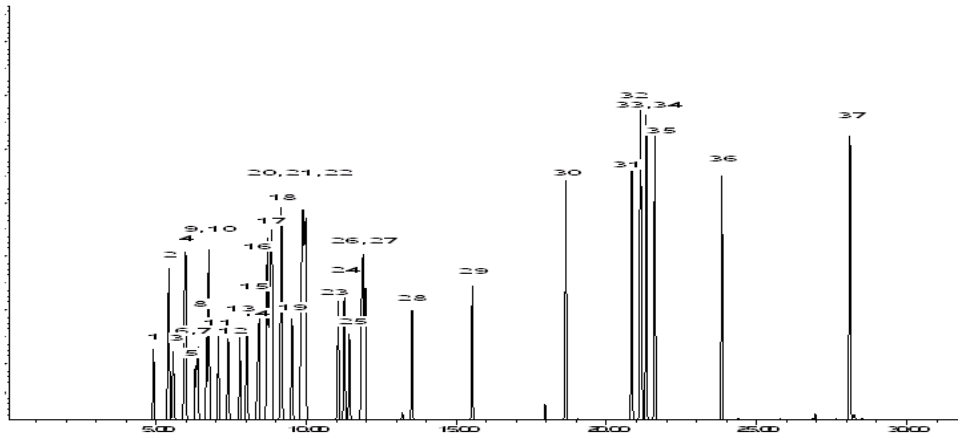
Inj. Temp:
200°C

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

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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.)

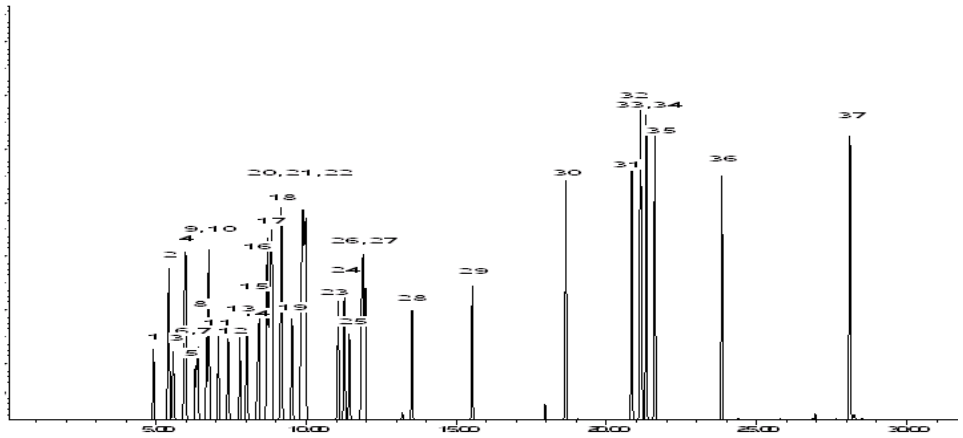
Inj. Temp:
200°C

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_QC_2K_GAS_00150

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
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www.restek.com

CERTIFIED REFERENCE MATERIAL

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Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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)

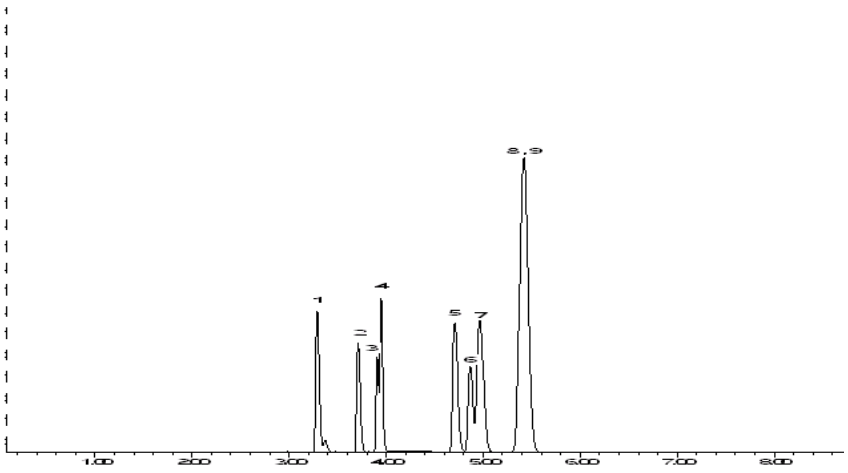
Carrier Gas:
helium-constant flow 2.0 mL/min.

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.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom Gases.SEC Standard

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

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

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

Ship: Ambient

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

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

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

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

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

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

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

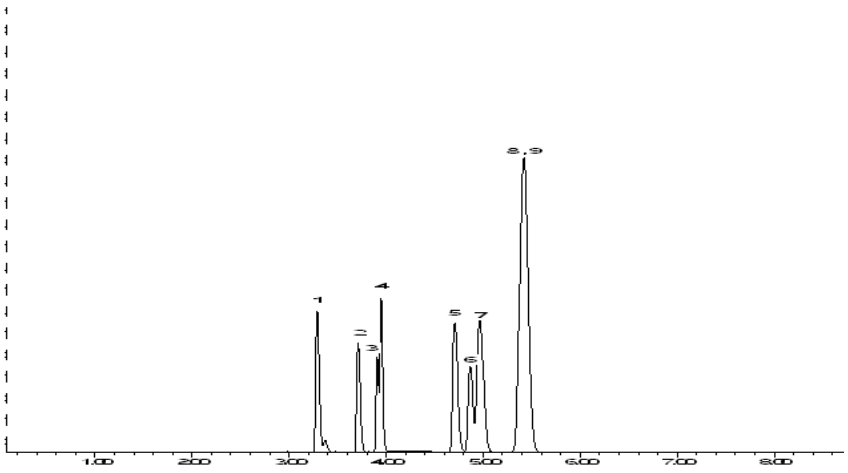
Carrier Gas:
helium-constant flow 2.0 mL/min.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Brandon Reish - Mix Technician

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

Marlina Cowan - Operations Tech I

Date Passed: 10-May-2022

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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%

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

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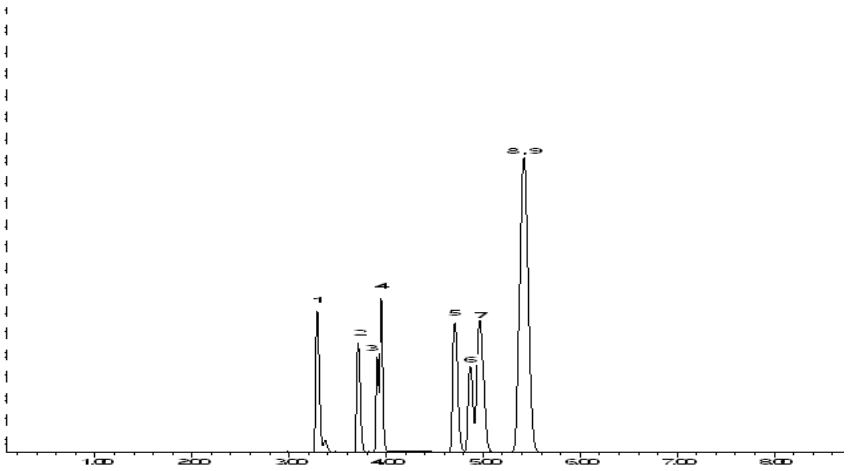
helium-constant flow 2.0 mL/min.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Brandon Reish - Mix Technician

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

Marlina Cowan - Operations Tech I

Date Passed: 10-May-2022

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

General Certified Reference Material Notes

Expiration Notes:

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- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
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- Purity values are rounded to the nearest whole number.

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 569936-1 **Lot No.:** A0158586

Description : Custom Revised V #1B Standard

Custom Revised V #1B Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

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

Expiration Date : March 31, 2023 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,1-dichloroethene **CAS #** 75-35-4 (Lot SHBK2437) **Purity** 99%	5,011.4 µg/mL	+/- 31.9644 µg/mL +/- 281.2901 µg/mL +/- 287.8577 µg/mL	Gravimetric Unstressed Stressed
2	Methylene chloride (dichloromethane) **CAS #** 75-09-2 (Lot SHBL3107) **Purity** 99%	5,004.6 µg/mL	+/- 31.9213 µg/mL +/- 280.9112 µg/mL +/- 287.4700 µg/mL	Gravimetric Unstressed Stressed
3	trans-1,2-Dichloroethene **CAS #** 156-60-5 (Lot MKBH9850V) **Purity** 99%	5,017.5 µg/mL	+/- 32.0035 µg/mL +/- 281.6339 µg/mL +/- 288.2096 µg/mL	Gravimetric Unstressed Stressed
4	1,1-Dichloroethane **CAS #** 75-34-3 (Lot 580900) **Purity** 99%	5,020.4 µg/mL	+/- 32.0218 µg/mL +/- 281.7953 µg/mL +/- 288.3747 µg/mL	Gravimetric Unstressed Stressed
5	2,2-Dichloropropane **CAS #** 594-20-7 (Lot BCBT5124) **Purity** 99%	5,050.0 µg/mL	+/- 32.0202 µg/mL +/- 283.4366 µg/mL +/- 290.0553 µg/mL	Gravimetric Unstressed Stressed
6	cis-1,2-Dichloroethene **CAS #** 156-59-2 (Lot MKBX5945V) **Purity** 99%	5,046.5 µg/mL	+/- 31.9980 µg/mL +/- 283.2401 µg/mL +/- 289.8543 µg/mL	Gravimetric Unstressed Stressed
7	chloroform **CAS #** 67-66-3 (Lot SHBJ9076) **Purity** 99%	5,034.3 µg/mL	+/- 32.1103 µg/mL +/- 282.5741 µg/mL +/- 289.1717 µg/mL	Gravimetric Unstressed Stressed

8	1,1,1-trichloroethane		5,001.3	µg/mL	+/-	31.9002	µg/mL	Gravimetric
	CAS # 71-55-6	(Lot 190123CG)			+/-	280.7250	µg/mL	Unstressed
	Purity 98%				+/-	287.2795	µg/mL	Stressed
9	1,1-Dichloropropene		5,048.9	µg/mL	+/-	32.0131	µg/mL	Gravimetric
	CAS # 563-58-6	(Lot 170301JLM)			+/-	283.3734	µg/mL	Unstressed
	Purity 99%				+/-	289.9907	µg/mL	Stressed
10	carbon tetrachloride		5,022.9	µg/mL	+/-	32.0378	µg/mL	Gravimetric
	CAS # 56-23-5	(Lot SHBG8938V)			+/-	281.9356	µg/mL	Unstressed
	Purity 99%				+/-	288.5183	µg/mL	Stressed
11	1,2-Dichloroethane		5,007.9	µg/mL	+/-	31.9421	µg/mL	Gravimetric
	CAS # 107-06-2	(Lot MKCH9948)			+/-	281.0937	µg/mL	Unstressed
	Purity 99%				+/-	287.6567	µg/mL	Stressed
12	Benzene		5,042.9	µg/mL	+/-	31.9750	µg/mL	Gravimetric
	CAS # 71-43-2	(Lot SHBG7317V)			+/-	283.0367	µg/mL	Unstressed
	Purity 99%				+/-	289.6461	µg/mL	Stressed
13	Trichloroethene		5,012.9	µg/mL	+/-	31.9740	µg/mL	Gravimetric
	CAS # 79-01-6	(Lot SHBJ4611)			+/-	281.3743	µg/mL	Unstressed
	Purity 99%				+/-	287.9439	µg/mL	Stressed
14	1,2-Dichloropropane		5,012.6	µg/mL	+/-	31.9724	µg/mL	Gravimetric
	CAS # 78-87-5	(Lot BCBR0882V)			+/-	281.3603	µg/mL	Unstressed
	Purity 99%				+/-	287.9295	µg/mL	Stressed
15	bromodichloromethane		5,039.1	µg/mL	+/-	32.1414	µg/mL	Gravimetric
	CAS # 75-27-4	(Lot MKCJ0238)			+/-	282.8477	µg/mL	Unstressed
	Purity 99%				+/-	289.4517	µg/mL	Stressed
16	Dibromomethane		5,047.3	µg/mL	+/-	32.0027	µg/mL	Gravimetric
	CAS # 74-95-3	(Lot 10201030)			+/-	283.2822	µg/mL	Unstressed
	Purity 99%				+/-	289.8973	µg/mL	Stressed
17	cis-1,3-Dichloropropene		5,015.1	µg/mL	+/-	31.9883	µg/mL	Gravimetric
	CAS # 10061-01-5	(Lot 200107JLM)			+/-	281.5006	µg/mL	Unstressed
	Purity 99%				+/-	288.0731	µg/mL	Stressed
18	Toluene		5,031.9	µg/mL	+/-	31.9053	µg/mL	Gravimetric
	CAS # 108-88-3	(Lot SHBH9895)			+/-	282.4193	µg/mL	Unstressed
	Purity 99%				+/-	289.0143	µg/mL	Stressed
19	trans-1,3-Dichloropropene		5,003.8	µg/mL	+/-	31.9158	µg/mL	Gravimetric
	CAS # 10061-02-6	(Lot 19420164-D1219)			+/-	280.8621	µg/mL	Unstressed
	Purity 99%				+/-	287.4198	µg/mL	Stressed
20	1,1,2-Trichloroethane		5,015.4	µg/mL	+/-	31.9899	µg/mL	Gravimetric
	CAS # 79-00-5	(Lot FGB01)			+/-	281.5146	µg/mL	Unstressed
	Purity 99%				+/-	288.0875	µg/mL	Stressed
21	1,3-Dichloropropane		5,042.4	µg/mL	+/-	31.9718	µg/mL	Gravimetric
	CAS # 142-28-9	(Lot BCBG2162V)			+/-	283.0086	µg/mL	Unstressed
	Purity 99%				+/-	289.6173	µg/mL	Stressed
22	Tetrachloroethene		5,014.3	µg/mL	+/-	31.9827	µg/mL	Gravimetric
	CAS # 127-18-4	(Lot SHBJ7422)			+/-	281.4515	µg/mL	Unstressed
	Purity 99%				+/-	288.0229	µg/mL	Stressed
23	dibromochloromethane		5,016.1	µg/mL	+/-	31.9947	µg/mL	Gravimetric
	CAS # 124-48-1	(Lot MKCK6472)			+/-	281.5567	µg/mL	Unstressed
	Purity 99%				+/-	288.1306	µg/mL	Stressed

24	1,2-Dibromoethane (EDB) **CAS #** 106-93-4 **Purity** 99%	(Lot BCBP2268V)	5,037.4	µg/mL	+/- 31.9401 +/- 282.7280 +/- 289.3302	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
25	1-Chlorohexane **CAS #** 544-10-5 **Purity** 98%	(Lot BCBS3368V)	5,010.7	µg/mL	+/- 29.3390 +/- 280.9687 +/- 287.5420	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
26	Chlorobenzene **CAS #** 108-90-7 **Purity** 99%	(Lot SHBJ0839)	5,009.0	µg/mL	+/- 31.9493 +/- 281.1568 +/- 287.7213	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
27	1,1,1,2-Tetrachloroethane **CAS #** 630-20-6 **Purity** 99%	(Lot MKBS3769V)	5,038.6	µg/mL	+/- 31.9481 +/- 282.7981 +/- 289.4020	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
28	Ethylbenzene **CAS #** 100-41-4 **Purity** 99%	(Lot SHBJ3183)	5,029.3	µg/mL	+/- 31.8886 +/- 282.2719 +/- 288.8635	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
29	m-Xylene **CAS #** 108-38-3 **Purity** 99%	(Lot SHBH8323)	5,038.4	µg/mL	+/- 31.9465 +/- 282.7841 +/- 289.3876	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
30	p-Xylene **CAS #** 106-42-3 **Purity** 99%	(Lot SHBJ0052)	5,038.0	µg/mL	+/- 31.9441 +/- 282.7630 +/- 289.3661	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
31	o-Xylene **CAS #** 95-47-6 **Purity** 99%	(Lot SHBH3432V)	5,046.4	µg/mL	+/- 31.9972 +/- 283.2331 +/- 289.8471	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
32	Styrene **CAS #** 100-42-5 **Purity** 99%	(Lot MKBV4061V)	5,047.0	µg/mL	+/- 32.0012 +/- 283.2682 +/- 289.8830	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
33	Isopropylbenzene (cumene) **CAS #** 98-82-8 **Purity** 99%	(Lot 10185056)	5,035.3	µg/mL	+/- 31.9267 +/- 282.6087 +/- 289.2081	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
34	bromoform **CAS #** 75-25-2 **Purity** 99%	(Lot SHBJ4835)	5,013.0	µg/mL	+/- 31.9748 +/- 281.3813 +/- 287.9511	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
35	1,1,2,2-Tetrachloroethane **CAS #** 79-34-5 **Purity** 99%	(Lot CFA4D)	5,016.0	µg/mL	+/- 31.9939 +/- 281.5497 +/- 288.1234	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
36	1,2,3-Trichloropropane **CAS #** 96-18-4 **Purity** 99%	(Lot BCBH8722V)	5,033.4	µg/mL	+/- 31.9148 +/- 282.5035 +/- 289.1004	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
37	n-Propylbenzene **CAS #** 103-65-1 **Purity** 99%	(Lot MKBJ0332V)	5,032.4	µg/mL	+/- 31.9084 +/- 282.4473 +/- 289.0430	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
38	Bromobenzene **CAS #** 108-86-1 **Purity** 99%	(Lot WXBC5147V)	5,035.5	µg/mL	+/- 31.9282 +/- 282.6227 +/- 289.2225	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
39	1,3,5-Trimethylbenzene **CAS #** 108-67-8 **Purity** 99%	(Lot BCBS7648V)	5,029.8	µg/mL	+/- 31.8918 +/- 282.3000 +/- 288.8922	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

40	2-Chlorotoluene **CAS #** 95-49-8 **Purity** 99%	(Lot MKBW5554V)	5,037.5	µg/mL	+/- 31.9409 +/- 282.7350 +/- 289.3373	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
41	4-Chlorotoluene **CAS #** 106-43-4 **Purity** 99%	(Lot MKBL7753V)	5,039.1	µg/mL	+/- 31.9512 +/- 282.8262 +/- 289.4307	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
42	tert-Butylbenzene **CAS #** 98-06-6 **Purity** 99%	(Lot STBD6954V)	5,049.8	µg/mL	+/- 32.0186 +/- 283.4225 +/- 290.0409	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
43	1,2,4-Trimethylbenzene **CAS #** 95-63-6 **Purity** 98%	(Lot MKBJ6229V)	5,046.8	µg/mL	+/- 31.9996 +/- 283.2544 +/- 289.8689	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
44	sec-Butylbenzene **CAS #** 135-98-8 **Purity** 99%	(Lot MKBR9260V)	5,042.8	µg/mL	+/- 31.9742 +/- 283.0296 +/- 289.6389	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
45	p-Isopropyltoluene (p-Cymene) **CAS #** 99-87-6 **Purity** 99%	(Lot MKBV3556V)	5,038.4	µg/mL	+/- 31.9465 +/- 282.7841 +/- 289.3876	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
46	1,3-Dichlorobenzene **CAS #** 541-73-1 **Purity** 99%	(Lot BCBQ7100V)	5,017.6	µg/mL	+/- 32.0043 +/- 281.6409 +/- 288.2167	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
47	1,4-Dichlorobenzene **CAS #** 106-46-7 **Purity** 99%	(Lot MKBS4401V)	5,023.8	µg/mL	+/- 32.0433 +/- 281.9847 +/- 288.5686	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
48	n-Butylbenzene **CAS #** 104-51-8 **Purity** 99%	(Lot 09804AE)	5,024.8	µg/mL	+/- 31.8601 +/- 282.0194 +/- 288.6050	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
49	1,2-Dichlorobenzene **CAS #** 95-50-1 **Purity** 99%	(Lot SHBG3111V)	5,024.5	µg/mL	+/- 32.0481 +/- 282.0268 +/- 288.6117	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
50	1,2-Dibromo-3-chloropropane **CAS #** 96-12-8 **Purity** 99%	(Lot FBL01)	5,036.4	µg/mL	+/- 31.9338 +/- 282.6718 +/- 289.2727	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
51	1,3,5-Trichlorobenzene **CAS #** 108-70-3 **Purity** 99%	(Lot 11319AS)	5,034.0	µg/mL	+/- 29.4752 +/- 282.2729 +/- 288.8768	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
52	1,2,4-Trichlorobenzene **CAS #** 120-82-1 **Purity** 99%	(Lot SHBJ0905)	5,036.5	µg/mL	+/- 31.9346 +/- 282.6789 +/- 289.2799	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
53	Hexachlorobutadiene **CAS #** 87-68-3 **Purity** 99%	(Lot J31X013)	5,033.6	µg/mL	+/- 31.9164 +/- 282.5175 +/- 289.1148	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
54	Naphthalene **CAS #** 91-20-3 **Purity** 99%	(Lot MKBW2603V)	5,033.6	µg/mL	+/- 31.9164 +/- 282.5175 +/- 289.1148	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
55	1,2,3-Trichlorobenzene **CAS #** 87-61-6 **Purity** 99%	(Lot MKBS4859V)	5,016.0	µg/mL	+/- 31.8046 +/- 281.5283 +/- 288.1024	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

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

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

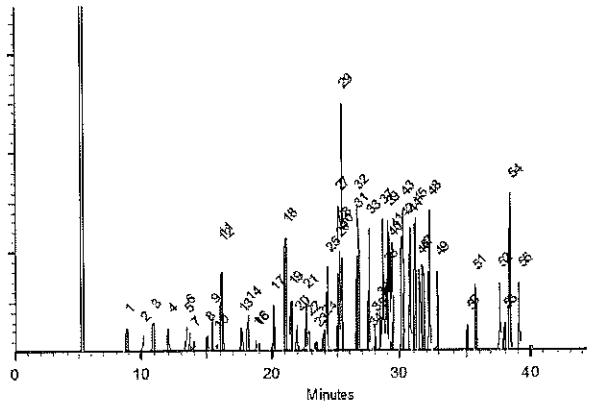
Carrier Gas:
hydrogen-constant pressure 8.0 psi.

Temp. Program:
40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Cydnei L. Crust - Mix Technician

Date Mixed: 09-Mar-2020 **Balance:** B251644995

Feng-Yun Lo - QC Analyst

Date Passed: 11-Mar-2020

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

Reagent

MSV_V#2B_00197

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

www.restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 56734 **Lot No.:** A0159694

Description : Custom V # 2B Standard

Custom V #2B Standard 12,500-125,000µg/mL, P&T Methanol, 1mL/ampul

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

Expiration Date : April 30, 2022 **Storage:** 0°C or colder

Elution Order	Compound	CAS #	Percent Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2-Propanol (isopropanol)	67-63-0	99%	25,019.2 µg/mL	+/- 146.4929 µg/mL
2	tert-Butanol (TBA)	75-65-0	99%	25,022.4 µg/mL	+/- 146.5117 µg/mL
3	Propionitrile	107-12-0	99%	25,020.0 µg/mL	+/- 146.4976 µg/mL
4	Methacrylonitrile	126-98-7	99%	12,533.6 µg/mL	+/- 73.3870 µg/mL
5	Isobutanol (2-Methyl-1-propanol)	78-83-1	99%	62,702.0 µg/mL	+/- 367.1151 µg/mL
6	1-Butanol	71-36-3	99%	125,150.0 µg/mL	+/- 732.7430 µg/mL
7	1,4-Dioxane	123-91-1	99%	62,550.0 µg/mL	+/- 366.2251 µg/mL
8	trans-1,4-dichloro-2-butene	110-57-6	95%	12,549.5 µg/mL	+/- 73.4801 µg/mL
Solvent:	P&T Methanol	67-56-1	99%		

Specific Reference Material Notes:

This RM (Reference Material) is not a CRM (Certified Reference Material) due to the 1-butanol concentration exceeding the maximum concentration on Restek's ISO Guide 34 scope of accreditation.

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

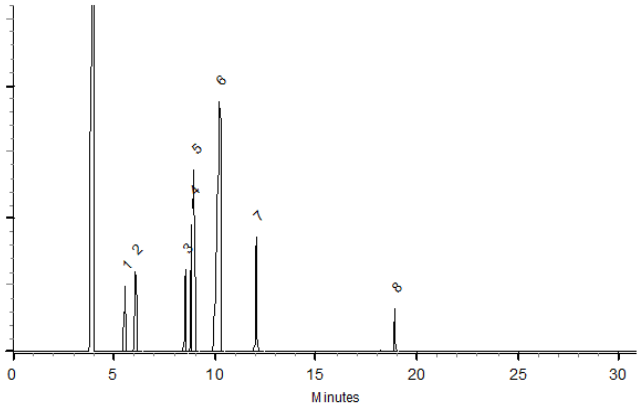
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Clara Windle - Operations Technician I

Date Mixed: 07-Apr-2020 **Balance:** B251644995

Fang-Yun Lo - QC Analyst

Date Passed: 10-Apr-2020

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

General Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Uncertainty Value Notes:

- Uncertainties are determined using data from balances and glassware, raw material purity, and, when significant, equipment tolerances or calibration results.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V#2B_00198

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

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 56734 **Lot No.:** A0159694

Description : Custom V # 2B Standard

Custom V #2B Standard 12,500-125,000µg/mL, P&T Methanol, 1mL/ampul

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

Expiration Date : April 30, 2022 **Storage:** 0°C or colder

Elution Order	Compound	CAS #	Percent Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2-Propanol (isopropanol)	67-63-0	99%	25,019.2 µg/mL	+/- 146.4929 µg/mL
2	tert-Butanol (TBA)	75-65-0	99%	25,022.4 µg/mL	+/- 146.5117 µg/mL
3	Propionitrile	107-12-0	99%	25,020.0 µg/mL	+/- 146.4976 µg/mL
4	Methacrylonitrile	126-98-7	99%	12,533.6 µg/mL	+/- 73.3870 µg/mL
5	Isobutanol (2-Methyl-1-propanol)	78-83-1	99%	62,702.0 µg/mL	+/- 367.1151 µg/mL
6	1-Butanol	71-36-3	99%	125,150.0 µg/mL	+/- 732.7430 µg/mL
7	1,4-Dioxane	123-91-1	99%	62,550.0 µg/mL	+/- 366.2251 µg/mL
8	trans-1,4-dichloro-2-butene	110-57-6	95%	12,549.5 µg/mL	+/- 73.4801 µg/mL
Solvent:	P&T Methanol	67-56-1	99%		

Specific Reference Material Notes:

This RM (Reference Material) is not a CRM (Certified Reference Material) due to the 1-butanol concentration exceeding the maximum concentration on Restek's ISO Guide 34 scope of accreditation.

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

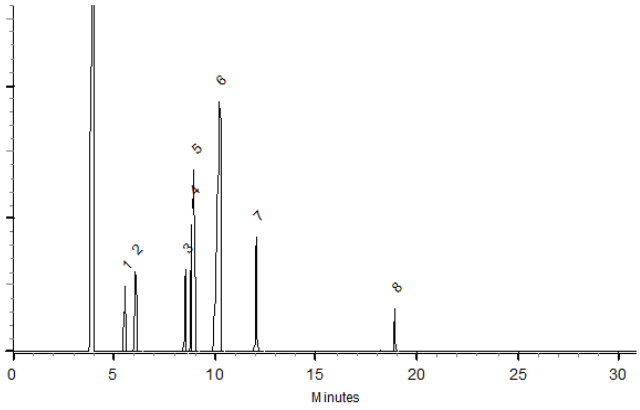
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Clara Windle - Operations Technician I

Date Mixed: 07-Apr-2020 **Balance:** B251644995

Fang-Yun Lo - QC Analyst

Date Passed: 10-Apr-2020

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

General Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Uncertainty Value Notes:

- Uncertainties are determined using data from balances and glassware, raw material purity, and, when significant, equipment tolerances or calibration results.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V#3B_00085

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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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. : 56736 **Lot No.:** A0158677

Description : Custom V # 3B Standard

Custom V #3B Standard 12,500-25,000µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

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

Expiration Date : March 31, 2023 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)		Expanded Uncertainty (95% C.L.; K=2)		
1	Acetone		25,001.0	µg/mL	+/- 146.3864	µg/mL	Gravimetric
	CAS # 67-64-1	(Lot MKCK2598)			+/- 1,236.8670	µg/mL	Unstressed
	Purity 99%				+/- 1,267.6168	µg/mL	Stressed
2	Acrylonitrile		12,511.0	µg/mL	+/- 73.2547	µg/mL	Gravimetric
	CAS # 107-13-1	(Lot A0387097)			+/- 618.9529	µg/mL	Unstressed
	Purity 99%				+/- 634.3408	µg/mL	Stressed
3	2-Butanone (MEK)		25,007.0	µg/mL	+/- 146.4215	µg/mL	Gravimetric
	CAS # 78-93-3	(Lot SHBK9603)			+/- 1,237.1638	µg/mL	Unstressed
	Purity 99%				+/- 1,267.9210	µg/mL	Stressed
4	Tetrahydrofuran		25,049.0	µg/mL	+/- 146.6674	µg/mL	Gravimetric
	CAS # 109-99-9	(Lot SHBK8926)			+/- 1,239.2417	µg/mL	Unstressed
	Purity 99%				+/- 1,270.0505	µg/mL	Stressed
5	2-Nitropropane		24,758.3	µg/mL	+/- 144.9652	µg/mL	Gravimetric
	CAS # 79-46-9	(Lot BCCB9352)			+/- 1,224.8589	µg/mL	Unstressed
	Purity 97%				+/- 1,255.3102	µg/mL	Stressed
6	4-Methyl-2-pentanone (MIBK)		25,014.0	µg/mL	+/- 146.4625	µg/mL	Gravimetric
	CAS # 108-10-1	(Lot SHBL5515)			+/- 1,237.5101	µg/mL	Unstressed
	Purity 99%				+/- 1,268.2759	µg/mL	Stressed
7	2-Hexanone		25,016.0	µg/mL	+/- 146.4742	µg/mL	Gravimetric
	CAS # 591-78-6	(Lot MKCL1599)			+/- 1,237.6091	µg/mL	Unstressed
	Purity 99%				+/- 1,268.3773	µg/mL	Stressed

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

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

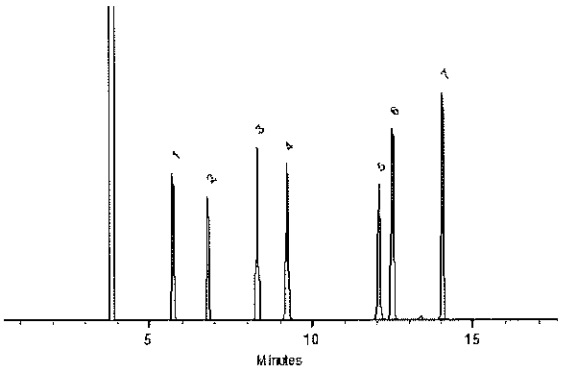
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Kylie Struble - Operations Technician I

Date Mixed: 10-Mar-2020 **Balance:** B251644995

Feng-Yun Lo - QC Analyst

Date Passed: 12-Mar-2020

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

Reagent

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 572312 **Lot No.:** A0158660

Description : Custom V #4C (Rev 3) Standard

Custom V #4C (Rev 3) Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

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

Expiration Date : March 31, 2021 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,3-Butadiene	5,002.1 µg/mL	+/- 39.8717 µg/mL	Gravimetric
	CAS # 106-99-0 (Lot SHBK2299)		+/- 303.0271 µg/mL	Unstressed
	Purity 99%		+/- 303.7407 µg/mL	Stressed
2	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	5,001.4 µg/mL	+/- 47.3932 µg/mL	Gravimetric
	CAS # 354-23-4 (Lot Q9B-64)		+/- 304.0702 µg/mL	Unstressed
	Purity 99%		+/- 304.7812 µg/mL	Stressed
3	n-Pentane (C5)	5,025.0 µg/mL	+/- 29.4225 µg/mL	Gravimetric
	CAS # 109-66-0 (Lot SHBL0400)		+/- 303.2005 µg/mL	Unstressed
	Purity 99%		+/- 303.9203 µg/mL	Stressed
4	1,1,2-Trichlorotrifluoroethane (CFC-113)	5,024.0 µg/mL	+/- 29.4166 µg/mL	Gravimetric
	CAS # 76-13-1 (Lot 00016133)		+/- 303.1402 µg/mL	Unstressed
	Purity 99%		+/- 303.8598 µg/mL	Stressed
5	Iodomethane (methyl iodide)	5,035.0 µg/mL	+/- 29.4810 µg/mL	Gravimetric
	CAS # 74-88-4 (Lot D4406-0122JM)		+/- 303.8039 µg/mL	Unstressed
	Purity 99%		+/- 304.5251 µg/mL	Stressed
6	Carbon disulfide	5,046.0 µg/mL	+/- 29.5454 µg/mL	Gravimetric
	CAS # 75-15-0 (Lot U22D706)		+/- 304.4676 µg/mL	Unstressed
	Purity 99%		+/- 305.1904 µg/mL	Stressed
7	Methyl-tert-butyl ether (MTBE)	5,025.0 µg/mL	+/- 29.4225 µg/mL	Gravimetric
	CAS # 1634-04-4 (Lot SHBK4806)		+/- 303.2005 µg/mL	Unstressed
	Purity 99%		+/- 303.9203 µg/mL	Stressed

8	n-Hexane (C6)		5,025.5	µg/mL	+/-	29.4254	µg/mL	Gravimetric
	CAS # 110-54-3	(Lot SHBL0924)			+/-	303.2307	µg/mL	Unstressed
	Purity 99%				+/-	303.9505	µg/mL	Stressed
9	Diisopropyl ether (DIPE)		5,015.0	µg/mL	+/-	29.3639	µg/mL	Gravimetric
	CAS # 108-20-3	(Lot SHBH1927V)			+/-	302.5971	µg/mL	Unstressed
	Purity 99%				+/-	303.3154	µg/mL	Stressed
10	Chloroprene (2-chloro-1,3-butadiene)		5,046.5	µg/mL	+/-	29.5484	µg/mL	Gravimetric
	CAS # 126-99-8	(Lot 191204JLM)			+/-	304.4978	µg/mL	Unstressed
	Purity 99%				+/-	305.2206	µg/mL	Stressed
11	Ethyl-tert-butyl ether (ETBE)		5,026.5	µg/mL	+/-	29.4313	µg/mL	Gravimetric
	CAS # 637-92-3	(Lot MKCJ3589)			+/-	303.2910	µg/mL	Unstressed
	Purity 99%				+/-	304.0110	µg/mL	Stressed
12	Cyclohexane		5,028.5	µg/mL	+/-	29.4430	µg/mL	Gravimetric
	CAS # 110-82-7	(Lot MKCF5831)			+/-	303.4117	µg/mL	Unstressed
	Purity 99%				+/-	304.1319	µg/mL	Stressed
13	tert-Amyl methyl ether (TAME)		5,021.0	µg/mL	+/-	29.3991	µg/mL	Gravimetric
	CAS # 994-05-8	(Lot HMBG6382V)			+/-	302.9592	µg/mL	Unstressed
	Purity 99%				+/-	303.6783	µg/mL	Stressed
14	n-Heptane (C7)		5,044.1	µg/mL	+/-	29.5341	µg/mL	Gravimetric
	CAS # 142-82-5	(Lot SHBK8626)			+/-	304.3506	µg/mL	Unstressed
	Purity 98%				+/-	305.0730	µg/mL	Stressed
15	tert-Amyl ethyl ether (TAEE)		5,018.5	µg/mL	+/-	29.3844	µg/mL	Gravimetric
	CAS # 919-94-8	(Lot IKVYB)			+/-	302.8083	µg/mL	Unstressed
	Purity 99%				+/-	303.5271	µg/mL	Stressed
16	Methyl methacrylate		5,028.0	µg/mL	+/-	29.4400	µg/mL	Gravimetric
	CAS # 80-62-6	(Lot MKCG6589)			+/-	303.3815	µg/mL	Unstressed
	Purity 99%				+/-	304.1017	µg/mL	Stressed
17	Ethyl methacrylate		5,043.0	µg/mL	+/-	29.5279	µg/mL	Gravimetric
	CAS # 97-63-2	(Lot SHBF9649V)			+/-	304.2866	µg/mL	Unstressed
	Purity 99%				+/-	305.0089	µg/mL	Stressed
18	Benzyl chloride		5,019.5	µg/mL	+/-	29.3903	µg/mL	Gravimetric
	CAS # 100-44-7	(Lot SHBH2102V)			+/-	302.8686	µg/mL	Unstressed
	Purity 99%				+/-	303.5876	µg/mL	Stressed

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

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

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

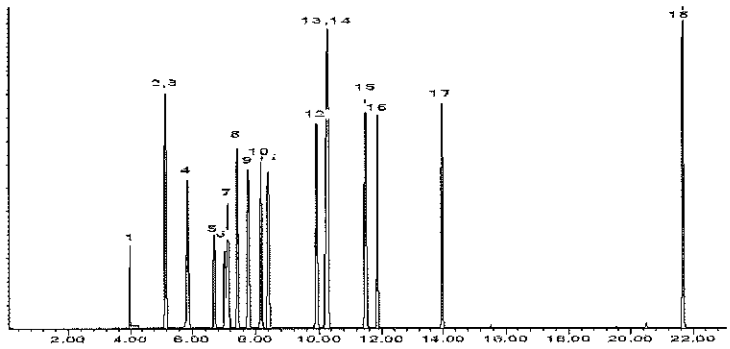
Carrier Gas:
helium-constant pressure 30 psi

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



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

Tom Suckar - Mix Technician

Date Mixed: 10-Mar-2020 **Balance:** B707717271

Fang-Yun Lo - QC Analyst

Date Passed: 25-Mar-2020

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

Reagent

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Certificate #3222.01

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ISO/IEC 17025 Accredited
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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 558268 **Lot No.:** A0158625

Description : Custom CS#6 Standard

Custom CS#6 Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

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

Expiration Date : September 30, 2021 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Methyl acetate		5,039.0 µg/mL	+/- 29.5717	µg/mL	Gravimetric
	CAS # 79-20-9	(Lot SHBK5436)		+/- 304.0518	µg/mL	Unstressed
	Purity 99%			+/- 304.7735	µg/mL	Stressed
2	Allyl chloride (3-chloropropene)		5,046.0 µg/mL	+/- 29.6128	µg/mL	Gravimetric
	CAS # 107-05-1	(Lot 191118KJ)		+/- 304.4742	µg/mL	Unstressed
	Purity 99%			+/- 305.1969	µg/mL	Stressed
3	Bromochloromethane		5,040.1 µg/mL	+/- 29.5784	µg/mL	Gravimetric
	CAS # 74-97-5	(Lot 00008541)		+/- 304.1206	µg/mL	Unstressed
	Purity 98%			+/- 304.8425	µg/mL	Stressed
4	Methylcyclohexane		5,041.0 µg/mL	+/- 29.5834	µg/mL	Gravimetric
	CAS # 108-87-2	(Lot SHBJ0457)		+/- 304.1725	µg/mL	Unstressed
	Purity 99%			+/- 304.8945	µg/mL	Stressed
5	Pentachloroethane		5,035.0 µg/mL	+/- 29.5482	µg/mL	Gravimetric
	CAS # 76-01-7	(Lot 8866000)		+/- 303.8104	µg/mL	Unstressed
	Purity 99%			+/- 304.5316	µg/mL	Stressed
6	1,2,3-Trimethylbenzene		5,012.0 µg/mL	+/- 29.4132	µg/mL	Gravimetric
	CAS # 526-73-8	(Lot 8766.05-14)		+/- 302.4226	µg/mL	Unstressed
	Purity 99%			+/- 303.1405	µg/mL	Stressed
7	1,3-Diethylbenzene		5,041.1 µg/mL	+/- 29.5841	µg/mL	Gravimetric
	CAS # 141-93-5	(Lot BCBT8967)		+/- 304.1797	µg/mL	Unstressed
	Purity 98%			+/- 304.9017	µg/mL	Stressed

8	1,4-Diethylbenzene		5,035.2	µg/mL	+/- 29.5496	µg/mL	Gravimetric
	CAS # 105-05-5	(Lot RLHJK)			+/- 303.8249	µg/mL	Unstressed
	Purity 98%				+/- 304.5461	µg/mL	Stressed
9	1,2-Diethylbenzene		5,011.0	µg/mL	+/- 29.4074	µg/mL	Gravimetric
	CAS # 135-01-3	(Lot ECH2970181)			+/- 302.3623	µg/mL	Unstressed
	Purity 99%				+/- 303.0800	µg/mL	Stressed
10	2-Methylnaphthalene		5,023.7	µg/mL	+/- 29.4818	µg/mL	Gravimetric
	CAS # 91-57-6	(Lot STBG8884)			+/- 303.1274	µg/mL	Unstressed
	Purity 96%				+/- 303.8469	µg/mL	Stressed

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

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

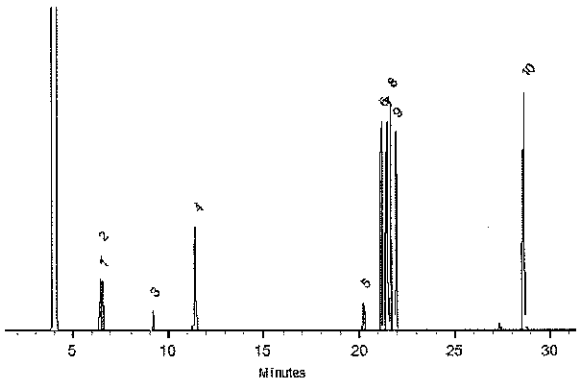
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Tom Suckar - Mix Technician

Date Mixed: 09-Mar-2020 **Balance:** B707717271

Feng-Yue Lu - QC Analyst

Date Passed: 12-Mar-2020

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

Reagent

MSV_V_Gas_00216

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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. : 55669 **Lot No.:** A0159812

Description : Custom 502.2 "V" Gas Mix

Custom 502.2 "V" Gas Mix 2,000µg/mL, P&T Methanol, 1mL/ampul

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

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

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Dichlorodifluoromethane (CFC-12)	2,005.1 µg/mL	+/- 16.8576 µg/mL		Gravimetric
	CAS # 75-71-8 (Lot 00012554)		+/- 113.0809 µg/mL		Unstressed
	Purity 99%		+/- 115.6966 µg/mL		Stressed
2	Chloromethane (methyl chloride)	2,003.5 µg/mL	+/- 19.3327 µg/mL		Gravimetric
	CAS # 74-87-3 (Lot SHBK6571)		+/- 113.3884 µg/mL		Unstressed
	Purity 99%		+/- 115.9929 µg/mL		Stressed
3	Vinyl chloride	2,001.1 µg/mL	+/- 18.1213 µg/mL		Gravimetric
	CAS # 75-01-4 (Lot 00015559)		+/- 113.0560 µg/mL		Unstressed
	Purity 99%		+/- 115.6619 µg/mL		Stressed
4	Bromomethane (methyl bromide)	1,998.8 µg/mL	+/- 17.7535 µg/mL		Gravimetric
	CAS # 74-83-9 (Lot 101604)		+/- 112.8737 µg/mL		Unstressed
	Purity 99%		+/- 115.4779 µg/mL		Stressed
5	Chloroethane (ethyl chloride)	2,002.3 µg/mL	+/- 17.1357 µg/mL		Gravimetric
	CAS # 75-00-3 (Lot 107-401039114-1)		+/- 112.9711 µg/mL		Unstressed
	Purity 99%		+/- 115.5821 µg/mL		Stressed
6	Trichlorofluoromethane (CFC-11)	2,020.0 µg/mL	+/- 11.7716 µg/mL		Gravimetric
	CAS # 75-69-4 (Lot 25931)		+/- 113.2622 µg/mL		Unstressed
	Purity 99%		+/- 115.9123 µg/mL		Stressed

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

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

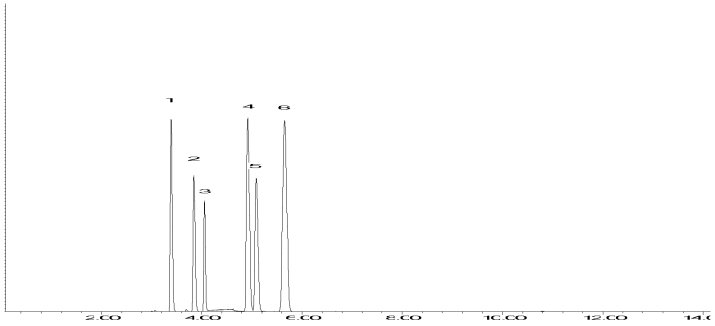
Carrier Gas:
helium-constant flow 2.0 mL/min.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Tom Suckar - Mix Technician

Date Mixed: 10-Apr-2020 **Balance:** B707717271

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 06-May-2020

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

Reagent

MSV_V_PentaCL_00037

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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577491 **Lot No.:** A0184174

Description : Custom Pentachloroethane Standard

Custom Pentachloroethane Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

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

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Ship: Ambient

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

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Pentachloroethane	5,022.0 µg/mL	+/- 29.4719 µg/mL	Gravimetric
	CAS # 76-01-7 (Lot 10518800)		+/- 281.6071 µg/mL	Unstressed
	Purity 99%		+/- 288.1950 µg/mL	Stressed

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

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

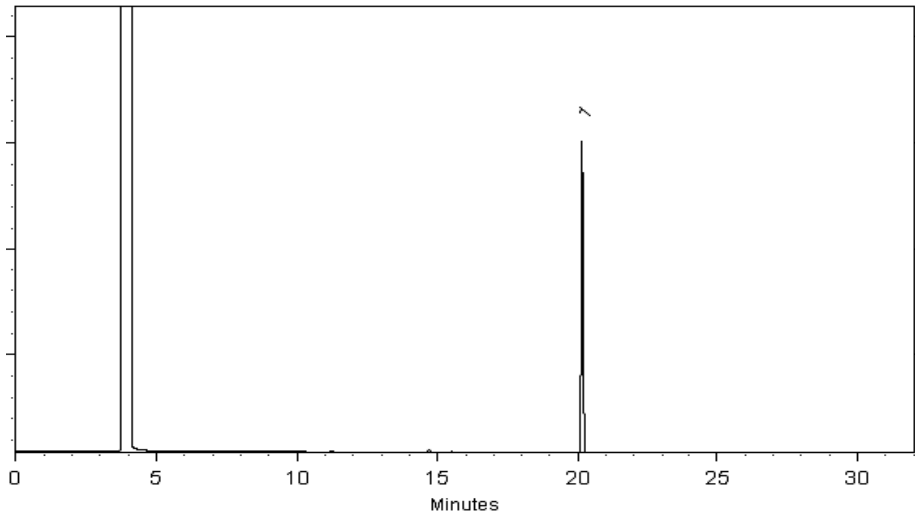
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Nick Yaw - Operations Tech I

Date Mixed: 15-Apr-2022 **Balance:** B707717271

Christie Mills - Operations Technician II

Date Passed: 20-Apr-2022

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577491 **Lot No.:** A0184174

Description : Custom Pentachloroethane Standard

Custom Pentachloroethane Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

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

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Ship: Ambient

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

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Pentachloroethane	5,022.0 µg/mL	+/- 29.4719 µg/mL	Gravimetric
	CAS # 76-01-7 (Lot 10518800)		+/- 281.6071 µg/mL	Unstressed
	Purity 99%		+/- 288.1950 µg/mL	Stressed

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

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

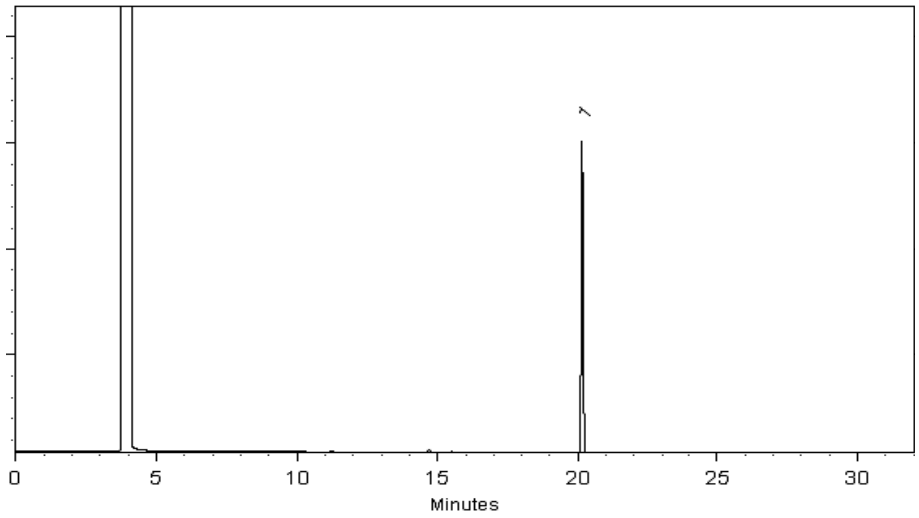
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Nick Yaw - Operations Tech I

Date Mixed: 15-Apr-2022 **Balance:** B707717271

Christie Mills - Operations Technician II

Date Passed: 20-Apr-2022

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577490 **Lot No.:** A0184508

Description : Custom SM Freons Standard

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

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

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Chlorotrifluoroethylene	2,000.6 µg/mL	+/- 37.3988 µg/mL	Gravimetric
	CAS # 79-38-9 (Lot 202600)		+/- 117.6695 µg/mL	Unstressed
	Purity 99%		+/- 120.1742 µg/mL	Stressed
2	Chlorodifluoromethane (CFC-22)	2,004.5 µg/mL	+/- 79.7514 µg/mL	Gravimetric
	CAS # 75-45-6 (Lot Q162-44)		+/- 137.3187 µg/mL	Unstressed
	Purity 99%		+/- 139.4793 µg/mL	Stressed
3	2-Chloro-1,1,1-trifluoroethane (HCFC-133a)	2,000.3 µg/mL	+/- 53.9352 µg/mL	Gravimetric
	CAS # 75-88-7 (Lot Q157-146)		+/- 123.9040 µg/mL	Unstressed
	Purity 99%		+/- 126.2843 µg/mL	Stressed

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

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

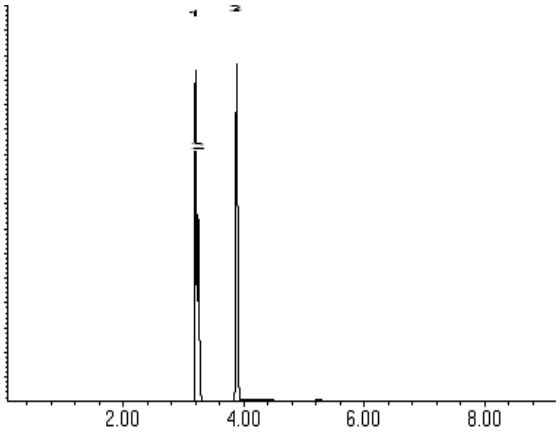
Carrier Gas:
helium-constant flow 2.0 mL/min.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Cathleen Soltis - Mix Technician

Date Mixed: 25-Apr-2022 **Balance:** B707717271

Christie Mills - Operations Technician II

Date Passed: 02-May-2022

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_SMFreon_00034

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577490 **Lot No.:** A0184508

Description : Custom SM Freons Standard

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

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

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Chlorotrifluoroethylene	2,000.6 µg/mL	+/- 37.3988 µg/mL	Gravimetric
	CAS # 79-38-9 (Lot 202600)		+/- 117.6695 µg/mL	Unstressed
	Purity 99%		+/- 120.1742 µg/mL	Stressed
2	Chlorodifluoromethane (CFC-22)	2,004.5 µg/mL	+/- 79.7514 µg/mL	Gravimetric
	CAS # 75-45-6 (Lot Q162-44)		+/- 137.3187 µg/mL	Unstressed
	Purity 99%		+/- 139.4793 µg/mL	Stressed
3	2-Chloro-1,1,1-trifluoroethane (HCFC-133a)	2,000.3 µg/mL	+/- 53.9352 µg/mL	Gravimetric
	CAS # 75-88-7 (Lot Q157-146)		+/- 123.9040 µg/mL	Unstressed
	Purity 99%		+/- 126.2843 µg/mL	Stressed

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

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

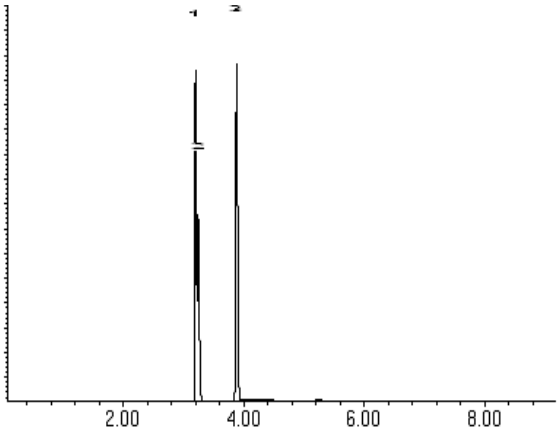
Carrier Gas:
helium-constant flow 2.0 mL/min.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Cathleen Soltis - Mix Technician

Date Mixed: 25-Apr-2022 **Balance:** B707717271

Christie Mills - Operations Technician II

Date Passed: 02-May-2022

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Method 8260D Low Level

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
HD-COD-SW-6-0/1-0	410-164764-1	112	118	102	90
HD-COD-SW-7-0/1-0	410-164764-2	112	117	102	89
HD-COD-SW-8-0/1-0	410-164764-3	112	117	102	89
HD-COD-SW-9-0/1-0	410-164764-4	112	117	103	90
HD-COD-SW-13-0/1-0	410-164764-5	111	118	102	88
HD-COD-SW-15-0/1-0	410-164764-6	114	117	102	88
HD-COD-SW-16-0/1-0	410-164764-7	113	117	102	89
HD-COD-SW-17-0/1-0	410-164764-8	112	119	98	88
HD-COD-SW-17-0/1-0 DL	410-164764-8 DL	113	121 S1+	100	88
HD-COD-SW-26-0/1-0	410-164764-9	104	107	107	90
HD-COD-SW-27-0/1-0	410-164764-10	111	119	102	90
HD-COD-SW-28-0/1-0	410-164764-11	101	106	96	93
HD-COD-SW-29-0/1-0	410-164764-12	103	108	96	93
HD-QC1-0/1-1	410-164764-13	103	110	91	94
HD-QC1-0/1-1 DL	410-164764-13 DL	104	110	91	95
HD-QC1-0/1-2	410-164764-14	105	120	95	95
	MB 410-486836/6	111	120	102	90
	MB 410-487558/7	112	115	102	90
	MB 410-487972/7	102	107	97	94
	LCS 410-486836/4	106	114	106	96
	LCS 410-487558/5	106	112	106	97
	LCS 410-487972/4	101	107	98	97
	LCSD 410-487972/5	100	104	98	99
HD-COD-SW-15-0/1-0 MS MS	410-164764-6 MS	108	118	106	95
HD-COD-SW-15-0/1-0 MSD MSD	410-164764-6 MSD	107	117	105	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.: 410-164764-1

SDG No.:

Matrix: Water Level: Low Lab File ID: CM25X03.D

Lab ID: LCS 410-486836/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	5.48	110	71-134	
1,1,1-Trichloroethane	5.00	5.38	108	78-126	
1,1,2,2-Tetrachloroethane	5.00	5.37	107	75-123	
1,1,2-Trichloroethane	5.00	5.48	110	80-120	
1,1-Dichloroethane	5.00	5.40	108	74-120	
1,1-Dichloroethene	5.00	5.62	112	80-131	
1,2-Dibromoethane (EDB)	5.00	5.31	106	80-120	
1,2-Dichloroethane	5.00	5.61	112	69-122	
1,2-Dichloropropane	5.00	5.41	108	80-120	
2-Butanone (MEK)	62.5	63.8	102	59-141	
2-Hexanone	62.5	65.5	105	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	66.4	106	55-140	
Acetone	62.5	76.0	122	60-146	
Benzene	5.00	5.34	107	80-120	
Bromochloromethane	5.00	5.64	113	80-120	
Bromodichloromethane	5.00	5.58	112	73-124	
Bromoform	5.00	5.72	114	49-144	
Bromomethane	5.00	5.26	105	60-136	
Carbon disulfide	5.00	5.09	102	67-130	
Carbon tetrachloride	5.00	5.53	111	64-141	
Chlorobenzene	5.00	5.43	109	80-120	
Chloroethane	5.00	5.66	113	63-120	
Chloroform	5.00	5.30	106	80-120	
Chloromethane	5.00	5.15	103	56-124	
cis-1,2-Dichloroethene	5.00	5.42	108	80-122	
cis-1,3-Dichloropropene	5.00	4.99	100	67-121	
Dibromochloromethane	5.00	5.88	118	64-138	
Ethylbenzene	5.00	5.31	106	80-120	
Methyl tert-butyl ether	5.00	4.77	95	69-120	
Methylene Chloride	5.00	5.37	107	80-120	
Styrene	5.00	5.38	108	80-120	
Tetrachloroethene	5.00	5.32	106	80-120	
Toluene	5.00	5.23	105	80-120	
trans-1,2-Dichloroethene	5.00	5.32	106	80-122	
trans-1,3-Dichloropropene	5.00	5.30	106	61-129	
Trichloroethene	5.00	5.27	105	80-120	
Vinyl chloride	5.00	5.05	101	60-125	
Xylenes, Total	15.0	15.9	106	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Matrix: Water Level: Low Lab File ID: CM27X04.D

Lab ID: LCS 410-487558/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	5.27	105	71-134	
1,1,1-Trichloroethane	5.00	5.21	104	78-126	
1,1,2,2-Tetrachloroethane	5.00	4.97	99	75-123	
1,1,2-Trichloroethane	5.00	5.21	104	80-120	
1,1-Dichloroethane	5.00	5.16	103	74-120	
1,1-Dichloroethene	5.00	5.41	108	80-131	
1,2-Dibromoethane (EDB)	5.00	5.16	103	80-120	
1,2-Dichloroethane	5.00	5.09	102	69-122	
1,2-Dichloropropane	5.00	5.25	105	80-120	
2-Butanone (MEK)	62.5	51.2	82	59-141	
2-Hexanone	62.5	59.2	95	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	61.9	99	55-140	
Acetone	62.5	63.2	101	60-146	
Benzene	5.00	5.11	102	80-120	
Bromochloromethane	5.00	5.42	108	80-120	
Bromodichloromethane	5.00	5.26	105	73-124	
Bromoform	5.00	5.38	108	49-144	
Bromomethane	5.00	5.12	102	60-136	
Carbon disulfide	5.00	4.78	96	67-130	
Carbon tetrachloride	5.00	5.33	107	64-141	
Chlorobenzene	5.00	5.18	104	80-120	
Chloroethane	5.00	5.46	109	63-120	
Chloroform	5.00	4.99	100	80-120	
Chloromethane	5.00	5.09	102	56-124	
cis-1,2-Dichloroethene	5.00	5.14	103	80-122	
cis-1,3-Dichloropropene	5.00	4.69	94	67-121	
Dibromochloromethane	5.00	5.50	110	64-138	
Ethylbenzene	5.00	5.11	102	80-120	
Methyl tert-butyl ether	5.00	4.59	92	69-120	
Methylene Chloride	5.00	5.09	102	80-120	
Styrene	5.00	5.18	104	80-120	
Tetrachloroethene	5.00	5.20	104	80-120	
Toluene	5.00	5.13	103	80-120	
trans-1,2-Dichloroethene	5.00	5.07	101	80-122	
trans-1,3-Dichloropropene	5.00	5.02	100	61-129	
Trichloroethene	5.00	5.10	102	80-120	
Vinyl chloride	5.00	5.11	102	60-125	
Xylenes, Total	15.0	15.3	102	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Matrix: Water Level: Low Lab File ID: HM28X03.D

Lab ID: LCS 410-487972/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	4.89	98	71-134	
1,1,1-Trichloroethane	5.00	4.68	94	78-126	
1,1,2,2-Tetrachloroethane	5.00	4.83	97	75-123	
1,1,2-Trichloroethane	5.00	5.15	103	80-120	
1,1-Dichloroethane	5.00	5.54	111	74-120	
1,1-Dichloroethene	5.00	4.89	98	80-131	
1,2-Dibromoethane (EDB)	5.00	5.02	100	80-120	
1,2-Dichloroethane	5.00	4.80	96	69-122	
1,2-Dichloropropane	5.00	5.80	116	80-120	
2-Butanone (MEK)	62.5	69.2	111	59-141	
2-Hexanone	62.5	69.7	111	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	66.5	106	55-140	
Acetone	62.5	53.1	85	60-146	
Benzene	5.00	5.49	110	80-120	
Bromochloromethane	5.00	5.47	109	80-120	
Bromodichloromethane	5.00	5.02	100	73-124	
Bromoform	5.00	4.61	92	49-144	
Bromomethane	5.00	5.23	105	60-136	
Carbon disulfide	5.00	4.89	98	67-130	
Carbon tetrachloride	5.00	4.97	99	64-141	
Chlorobenzene	5.00	5.17	103	80-120	
Chloroethane	5.00	5.59	112	63-120	
Chloroform	5.00	5.20	104	80-120	
Chloromethane	5.00	4.70	94	56-124	
cis-1,2-Dichloroethene	5.00	5.09	102	80-122	
cis-1,3-Dichloropropene	5.00	5.11	102	67-121	
Dibromochloromethane	5.00	4.89	98	64-138	
Ethylbenzene	5.00	4.98	100	80-120	
Methyl tert-butyl ether	5.00	4.71	94	69-120	
Methylene Chloride	5.00	5.25	105	80-120	
Styrene	5.00	4.88	98	80-120	
Tetrachloroethene	5.00	4.85	97	80-120	
Toluene	5.00	5.05	101	80-120	
trans-1,2-Dichloroethene	5.00	5.03	101	80-122	
trans-1,3-Dichloropropene	5.00	4.92	98	61-129	
Trichloroethene	5.00	5.06	101	80-120	
Vinyl chloride	5.00	4.88	98	60-125	
Xylenes, Total	15.0	15.0	100	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Matrix: Water Level: Low Lab File ID: HM28X04.D

Lab ID: LCSD 410-487972/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	4.91	98	0	30	71-134	
1,1,1-Trichloroethane	5.00	4.74	95	1	30	78-126	
1,1,2,2-Tetrachloroethane	5.00	4.94	99	2	30	75-123	
1,1,2-Trichloroethane	5.00	5.40	108	5	30	80-120	
1,1-Dichloroethane	5.00	5.44	109	2	30	74-120	
1,1-Dichloroethene	5.00	4.86	97	1	30	80-131	
1,2-Dibromoethane (EDB)	5.00	5.06	101	1	30	80-120	
1,2-Dichloroethane	5.00	4.84	97	1	30	69-122	
1,2-Dichloropropane	5.00	5.86	117	1	30	80-120	
2-Butanone (MEK)	62.5	72.8	117	5	30	59-141	
2-Hexanone	62.5	68.9	110	1	30	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	66.6	107	0	30	55-140	
Acetone	62.5	53.3	85	0	30	60-146	
Benzene	5.00	5.48	110	0	30	80-120	
Bromochloromethane	5.00	5.43	109	1	30	80-120	
Bromodichloromethane	5.00	5.08	102	1	30	73-124	
Bromoform	5.00	4.66	93	1	30	49-144	
Bromomethane	5.00	5.18	104	1	30	60-136	
Carbon disulfide	5.00	4.91	98	0	30	67-130	
Carbon tetrachloride	5.00	5.05	101	2	30	64-141	
Chlorobenzene	5.00	5.21	104	1	30	80-120	
Chloroethane	5.00	5.63	113	1	30	63-120	
Chloroform	5.00	5.20	104	0	30	80-120	
Chloromethane	5.00	4.83	97	3	30	56-124	
cis-1,2-Dichloroethene	5.00	5.08	102	0	30	80-122	
cis-1,3-Dichloropropene	5.00	5.22	104	2	30	67-121	
Dibromochloromethane	5.00	4.92	98	0	30	64-138	
Ethylbenzene	5.00	5.02	100	1	30	80-120	
Methyl tert-butyl ether	5.00	4.78	96	2	30	69-120	
Methylene Chloride	5.00	5.18	104	1	30	80-120	
Styrene	5.00	4.97	99	2	30	80-120	
Tetrachloroethene	5.00	4.93	99	2	30	80-120	
Toluene	5.00	5.12	102	1	30	80-120	
trans-1,2-Dichloroethene	5.00	5.05	101	0	30	80-122	
trans-1,3-Dichloropropene	5.00	4.97	99	1	30	61-129	
Trichloroethene	5.00	5.08	102	1	30	80-120	
Vinyl chloride	5.00	4.71	94	4	30	60-125	
Xylenes, Total	15.0	15.2	102	2	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Matrix: Water Level: Low Lab File ID: CM25X14.D

Lab ID: 410-164764-6 MS Client ID: HD-COD-SW-15-0/1-0MS MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	ND	5.86	117	71-134	
1,1,1-Trichloroethane	5.00	0.39 J	6.47	121	78-126	
1,1,2,2-Tetrachloroethane	5.00	ND	5.53	110	75-123	
1,1,2-Trichloroethane	5.00	ND	5.58	112	80-120	
1,1-Dichloroethane	5.00	0.15 J	6.06	118	74-120	
1,1-Dichloroethene	5.00	0.22 J	6.49	125	80-131	
1,2-Dibromoethane (EDB)	5.00	ND	5.47	109	80-120	
1,2-Dichloroethane	5.00	ND	5.82	116	69-122	
1,2-Dichloropropane	5.00	ND	5.87	117	80-120	
2-Butanone (MEK)	62.6	ND	62.0	99	59-141	
2-Hexanone	62.6	ND	63.0	101	52-140	
4-Methyl-2-pentanone (MIBK)	62.6	ND	66.1	106	55-140	
Acetone	62.6	ND	69.1	110	60-146	
Benzene	5.00	ND	5.78	115	80-120	
Bromochloromethane	5.00	ND	6.06	121	80-120	FH
Bromodichloromethane	5.00	ND	5.84	117	73-124	
Bromoform	5.00	ND	5.66	113	49-144	
Bromomethane	5.00	ND	5.68	113	60-136	
Carbon disulfide	5.00	ND	5.98	119	67-130	
Carbon tetrachloride	5.00	ND	6.34	127	64-141	
Chlorobenzene	5.00	ND	5.76	115	80-120	
Chloroethane	5.00	ND	6.28	125	63-120	FH
Chloroform	5.00	0.23 J	5.79	111	80-120	
Chloromethane	5.00	ND	5.93	118	80-120	
cis-1,2-Dichloroethene	5.00	1.3	7.18	117	80-122	
cis-1,3-Dichloropropene	5.00	ND	5.05	101	67-121	
Dibromochloromethane	5.00	ND	5.89	118	64-138	
Ethylbenzene	5.00	ND	5.76	115	80-120	
Methyl tert-butyl ether	5.00	ND	4.84	97	69-120	
Methylene Chloride	5.00	ND	5.73	115	80-120	
Styrene	5.00	ND	5.72	114	80-120	
Tetrachloroethene	5.00	7.4	13.2	117	80-120	
Toluene	5.00	ND	5.76	115	80-120	
trans-1,2-Dichloroethene	5.00	ND	5.89	118	80-122	
trans-1,3-Dichloropropene	5.00	ND	5.27	105	61-129	
Trichloroethene	5.00	1.5	7.27	115	80-120	
Vinyl chloride	5.00	ND	6.03	120	60-125	
Xylenes, Total	15.0	ND	17.1	114	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Matrix: Water Level: Low Lab File ID: CM25X15.D

Lab ID: 410-164764-6 MSD Client ID: HD-COD-SW-15-0/1-0MSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	6.08	122	4	30	71-134	
1,1,1-Trichloroethane	5.00	6.66	125	3	30	78-126	
1,1,2,2-Tetrachloroethane	5.00	5.71	114	3	30	75-123	
1,1,2-Trichloroethane	5.00	5.87	117	5	30	80-120	
1,1-Dichloroethane	5.00	6.26	122	3	30	74-120	FH
1,1-Dichloroethene	5.00	6.79	131	5	30	80-131	
1,2-Dibromoethane (EDB)	5.00	5.65	113	3	30	80-120	
1,2-Dichloroethane	5.00	6.02	120	3	30	69-122	
1,2-Dichloropropane	5.00	6.17	123	5	30	80-120	FH
2-Butanone (MEK)	62.6	59.6	95	4	30	59-141	
2-Hexanone	62.6	61.8	99	2	30	52-140	
4-Methyl-2-pentanone (MIBK)	62.6	64.2	103	3	30	55-140	
Acetone	62.6	67.3	108	3	30	60-146	
Benzene	5.00	6.05	121	5	30	80-120	FH
Bromochloromethane	5.00	6.24	125	3	30	80-120	FH
Bromodichloromethane	5.00	6.14	123	5	30	73-124	
Bromoform	5.00	5.90	118	4	30	49-144	
Bromomethane	5.00	6.00	120	6	30	60-136	
Carbon disulfide	5.00	6.18	124	3	30	67-130	
Carbon tetrachloride	5.00	6.53	130	3	30	64-141	
Chlorobenzene	5.00	5.98	120	4	30	80-120	
Chloroethane	5.00	6.52	130	4	30	63-120	FH
Chloroform	5.00	5.99	115	3	30	80-120	
Chloromethane	5.00	6.05	121	2	30	80-120	FH
cis-1,2-Dichloroethene	5.00	7.40	122	3	30	80-122	
cis-1,3-Dichloropropene	5.00	5.41	108	7	30	67-121	
Dibromochloromethane	5.00	6.10	122	4	30	64-138	
Ethylbenzene	5.00	6.00	120	4	30	80-120	
Methyl tert-butyl ether	5.00	5.44	109	12	30	69-120	
Methylene Chloride	5.00	6.23	124	8	30	80-120	FH
Styrene	5.00	5.95	119	4	30	80-120	
Tetrachloroethene	5.00	13.4	122	2	30	80-120	FH
Toluene	5.00	6.00	120	4	30	80-120	
trans-1,2-Dichloroethene	5.00	6.49	130	10	30	80-122	FH
trans-1,3-Dichloropropene	5.00	5.57	111	6	30	61-129	
Trichloroethene	5.00	7.51	120	3	30	80-120	
Vinyl chloride	5.00	6.40	128	6	30	60-125	FH
Xylenes, Total	15.0	17.8	118	4	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Lab File ID: CM25X05.D Lab Sample ID: MB 410-486836/6

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

Instrument ID: 10193 Date Analyzed: 03/25/2024 20:45

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 410-486836/4	CM25X03.D	03/25/2024 20:00
HD-COD-SW-15-0/1-0	410-164764-6	CM25X13.D	03/25/2024 23:47
HD-COD-SW-15-0/1-0MS MS	410-164764-6 MS	CM25X14.D	03/26/2024 00:10
HD-COD-SW-15-0/1-0MSD MSD	410-164764-6 MSD	CM25X15.D	03/26/2024 00:32
HD-COD-SW-6-0/1-0	410-164764-1	CM25X17.D	03/26/2024 01:16
HD-COD-SW-7-0/1-0	410-164764-2	CM25X18.D	03/26/2024 01:39
HD-COD-SW-8-0/1-0	410-164764-3	CM25X19.D	03/26/2024 02:01
HD-COD-SW-9-0/1-0	410-164764-4	CM25X20.D	03/26/2024 02:23
HD-COD-SW-13-0/1-0	410-164764-5	CM25X21.D	03/26/2024 02:45
HD-COD-SW-16-0/1-0	410-164764-7	CM25X22.D	03/26/2024 03:08
HD-COD-SW-17-0/1-0	410-164764-8	CM25X23.D	03/26/2024 03:30
HD-COD-SW-17-0/1-0 DL	410-164764-8 DL	CM25X24.D	03/26/2024 03:52

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Lab File ID: CM27X06.D Lab Sample ID: MB 410-487558/7

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

Instrument ID: 10193 Date Analyzed: 03/27/2024 12:08

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 410-487558/5	CM27X04.D	03/27/2024 11:24
HD-COD-SW-26-0/1-0	410-164764-9	CM27X16.D	03/27/2024 15:51
HD-COD-SW-27-0/1-0	410-164764-10	CM27X17.D	03/27/2024 16:13

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Lab File ID: HM28X06.D Lab Sample ID: MB 410-487972/7

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

Instrument ID: 19094 Date Analyzed: 03/28/2024 09:21

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 410-487972/4	HM28X03.D	03/28/2024 08:21
	LCSD 410-487972/5	HM28X04.D	03/28/2024 08:41
HD-QC1-0/1-2	410-164764-14	HM28X07.D	03/28/2024 09:42
HD-COD-SW-28-0/1-0	410-164764-11	HM28X09.D	03/28/2024 10:22
HD-COD-SW-29-0/1-0	410-164764-12	HM28X10.D	03/28/2024 10:42
HD-QC1-0/1-1	410-164764-13	HM28X21.D	03/28/2024 14:25
HD-QC1-0/1-1 DL	410-164764-13 DL	HM28X22.D	03/28/2024 14:45

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Lab File ID: CM11T01.D BFB Injection Date: 03/11/2021

Instrument ID: 10193 BFB Injection Time: 15:00

Analysis Batch No.: 102081

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.3	
75	30.0 - 60.0 % of mass 95	50.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.9	(1.1) 1
174	Greater than 50% of mass 95	79.8	
175	5.0 - 9.0 % of mass 174	5.6	(7.1) 1
176	95.0 - 101.0 % of mass 174	77.3	(96.9) 1
177	5.0 - 9.0 % of mass 176	5.2	(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 410-102081/12	CM11X12.D	03/11/2021	19:26
	ICIS 410-102081/13	CM11X13.D	03/11/2021	19:49
	IC 410-102081/14	CM11X14.D	03/11/2021	20:11
	IC 410-102081/15	CM11X15.D	03/11/2021	20:33
	IC 410-102081/16	CM11X16.D	03/11/2021	20:55
	IC 410-102081/17	CM11X17.D	03/11/2021	21:18
	IC 410-102081/18	CM11X18.D	03/11/2021	21:40

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Lab File ID: CD11T01.D BFB Injection Date: 12/11/2023

Instrument ID: 10193 BFB Injection Time: 17:07

Analysis Batch No.: 452392

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.1	
75	30.0 - 60.0 % of mass 95	47.0	
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	0.8	(0.9) 1
174	Greater than 50% of mass 95	87.2	
175	5.0 - 9.0 % of mass 174	6.5	(7.4) 1
176	95.0 - 101.0 % of mass 174	85.1	(97.6) 1
177	5.0 - 9.0 % of mass 176	5.7	(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 410-452392/3	copy_CD11X02.D	12/11/2023	17:46
	IC 410-452392/4	CD11X03.D	12/11/2023	18:08
	IC 410-452392/5	CD11X04.D	12/11/2023	18:30
	IC 410-452392/6	CD11X05.D	12/11/2023	18:52
	IC 410-452392/7	CD11X06.D	12/11/2023	19:14
	IC 410-452392/8	CD11X07.D	12/11/2023	19:37
	IC 410-452392/9	CD11X08.D	12/11/2023	19:59
	ICV 410-452392/11	CD11X10.D	12/11/2023	20:43
	IC 410-452392/13	CD11X12.D	12/11/2023	21:27
	IC 410-452392/14	CD11X13.D	12/11/2023	21:50
	IC 410-452392/15	CD11X14.D	12/11/2023	22:12
	IC 410-452392/16	CD11X15.D	12/11/2023	22:34
	IC 410-452392/17	CD11X16.D	12/11/2023	22:57
	ICIS 410-452392/18	CD11X17.D	12/11/2023	23:19
	IC 410-452392/19	CD11X18.D	12/11/2023	23:41
	ICV 410-452392/21	CD11X20.D	12/12/2023	0:25

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Lab File ID: CM25T01.D BFB Injection Date: 03/25/2024

Instrument ID: 10193 BFB Injection Time: 18:52

Analysis Batch No.: 486836

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.5	
75	30.0 - 60.0 % of mass 95	48.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.3	
173	Less than 2.0 % of mass 174	1.0	(1.2) 1
174	Greater than 50% of mass 95	87.4	
175	5.0 - 9.0 % of mass 174	6.6	(7.6) 1
176	95.0 - 101.0 % of mass 174	83.9	(96.0) 1
177	5.0 - 9.0 % of mass 176	5.6	(6.7) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-486836/3	CM25X02.D	03/25/2024	19:38
	LCS 410-486836/4	CM25X03.D	03/25/2024	20:00
	MB 410-486836/6	CM25X05.D	03/25/2024	20:45
HD-COD-SW-15-0/1-0	410-164764-6	CM25X13.D	03/25/2024	23:47
HD-COD-SW-15-0/1-0MS MS	410-164764-6 MS	CM25X14.D	03/26/2024	0:10
HD-COD-SW-15-0/1-0MSD MSD	410-164764-6 MSD	CM25X15.D	03/26/2024	0:32
HD-COD-SW-6-0/1-0	410-164764-1	CM25X17.D	03/26/2024	1:16
HD-COD-SW-7-0/1-0	410-164764-2	CM25X18.D	03/26/2024	1:39
HD-COD-SW-8-0/1-0	410-164764-3	CM25X19.D	03/26/2024	2:01
HD-COD-SW-9-0/1-0	410-164764-4	CM25X20.D	03/26/2024	2:23
HD-COD-SW-13-0/1-0	410-164764-5	CM25X21.D	03/26/2024	2:45
HD-COD-SW-16-0/1-0	410-164764-7	CM25X22.D	03/26/2024	3:08
HD-COD-SW-17-0/1-0	410-164764-8	CM25X23.D	03/26/2024	3:30
HD-COD-SW-17-0/1-0 DL	410-164764-8 DL	CM25X24.D	03/26/2024	3:52

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Lab File ID: CM27T01.D BFB Injection Date: 03/27/2024

Instrument ID: 10193 BFB Injection Time: 09:59

Analysis Batch No.: 487558

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.6	
75	30.0 - 60.0 % of mass 95	49.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.3	
173	Less than 2.0 % of mass 174	1.1	(1.3) 1
174	Greater than 50% of mass 95	88.3	
175	5.0 - 9.0 % of mass 174	6.7	(7.6) 1
176	95.0 - 101.0 % of mass 174	86.6	(98.0) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.3) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-487558/3	CM27X02.D	03/27/2024	10:39
	LCS 410-487558/5	CM27X04.D	03/27/2024	11:24
	MB 410-487558/7	CM27X06.D	03/27/2024	12:08
HD-COD-SW-26-0/1-0	410-164764-9	CM27X16.D	03/27/2024	15:51
HD-COD-SW-27-0/1-0	410-164764-10	CM27X17.D	03/27/2024	16:13

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Lab File ID: HO16T01.D BFB Injection Date: 10/17/2023

Instrument ID: 19094 BFB Injection Time: 03:41

Analysis Batch No.: 431955

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.1	
75	30.0 - 60.0 % of mass 95	49.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.3	
173	Less than 2.0 % of mass 174	0.8	(0.9) 1
174	Greater than 50% of mass 95	87.6	
175	5.0 - 9.0 % of mass 174	6.5	(7.4) 1
176	95.0 - 101.0 % of mass 174	86.7	(99.0) 1
177	5.0 - 9.0 % of mass 176	5.8	(6.6) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-431955/3	HO16X02.D	10/17/2023	4:22
	IC 410-431955/4	HO16X03.D	10/17/2023	4:42
	IC 410-431955/5	HO16X04.D	10/17/2023	5:02
	IC 410-431955/6	HO16X05.D	10/17/2023	5:22
	IC 410-431955/7	HO16X06.D	10/17/2023	5:42
	IC 410-431955/8	HO16X07.D	10/17/2023	6:02
	IC 410-431955/9	HO16X08.D	10/17/2023	6:22
	IC 410-431955/13	HO16X12.D	10/17/2023	7:43
	IC 410-431955/14	HO16X13.D	10/17/2023	8:03
	IC 410-431955/15	HO16X14.D	10/17/2023	8:23
	IC 410-431955/16	HO16X15.D	10/17/2023	8:43
	IC 410-431955/17	HO16X16.D	10/17/2023	9:03
	ICIS 410-431955/18	HO16X17.D	10/17/2023	9:23
	IC 410-431955/19	HO16X18.D	10/17/2023	9:43
	ICV 410-431955/21	HO16X20.D	10/17/2023	10:24

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Lab File ID: HM28T01.D BFB Injection Date: 03/28/2024

Instrument ID: 19094 BFB Injection Time: 07:25

Analysis Batch No.: 487972

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.7	
75	30.0 - 60.0 % of mass 95	47.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	1.2	(1.4) 1
174	Greater than 50% of mass 95	85.7	
175	5.0 - 9.0 % of mass 174	6.4	(7.5) 1
176	95.0 - 101.0 % of mass 174	82.4	(96.2) 1
177	5.0 - 9.0 % of mass 176	5.6	(6.8) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-487972/3	HM28X02.D	03/28/2024	8:00
	LCS 410-487972/4	HM28X03.D	03/28/2024	8:21
	LCSD 410-487972/5	HM28X04.D	03/28/2024	8:41
	MB 410-487972/7	HM28X06.D	03/28/2024	9:21
HD-QC1-0/1-2	410-164764-14	HM28X07.D	03/28/2024	9:42
HD-COD-SW-28-0/1-0	410-164764-11	HM28X09.D	03/28/2024	10:22
HD-COD-SW-29-0/1-0	410-164764-12	HM28X10.D	03/28/2024	10:42
HD-QC1-0/1-1	410-164764-13	HM28X21.D	03/28/2024	14:25
HD-QC1-0/1-1 DL	410-164764-13 DL	HM28X22.D	03/28/2024	14:45

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Sample No.: ICIS 410-452392/18 Date Analyzed: 12/11/2023 23:19

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): CD11X17.D Heated Purge: (Y/N) N

Calibration ID: 56725

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		140657	3.84	2054434	7.33	1597591	10.94
UPPER LIMIT		281314	4.34	4108868	7.83	3195182	11.44
LOWER LIMIT		70329	3.34	1027217	6.83	798796	10.44
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-452392/11		132128	3.85	2039390	7.33	1568896	10.94
ICV 410-452392/21		135137	3.86	2065699	7.34	1594445	10.95
CCVIS 410-486836/3		127058	3.83	1967223	7.33	1530001	10.94
CCVIS 410-487558/3		122684	3.84	1860666	7.34	1436184	10.94

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.: 410-164764-1

SDG No.:

Sample No.: ICIS 410-452392/18 Date Analyzed: 12/11/2023 23:19

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): CD11X17.D Heated Purge: (Y/N) N

Calibration ID: 56725

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		965542	12.88				
UPPER LIMIT		1931084	13.38				
LOWER LIMIT		482771	12.38				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-452392/11		917262	12.88				
ICV 410-452392/21		955934	12.88				
CCVIS 410-486836/3		954519	12.88				
CCVIS 410-487558/3		893576	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.: 410-164764-1

SDG No.:

Sample No.: CCVIS 410-486836/3 Date Analyzed: 03/25/2024 19:38

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): CM25X02.D Heated Purge: (Y/N) N

Calibration ID: 56725

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		127058	3.83	1967223	7.33	1530001	10.94
UPPER LIMIT		254116	4.33	3934446	7.83	3060002	11.44
LOWER LIMIT		63529	3.33	983612	6.83	765001	10.44
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-486836/4		139353	3.85	1906438	7.33	1476478	10.94
MB 410-486836/6		124088	3.85	1797114	7.33	1433952	10.94
410-164764-6	HD-COD-SW-15-0/1-0	109273	3.84	1720792	7.33	1384796	10.94
410-164764-6 MS	HD-COD-SW-15-0/1-0MS MS	147862	3.85	1929929	7.33	1504371	10.94
410-164764-6 MSD	HD-COD-SW-15-0/1-0MSD MSD	155868	3.84	1877613	7.33	1470103	10.94
410-164764-1	HD-COD-SW-6-0/1-0	146035	3.85	1820751	7.33	1452081	10.94
410-164764-2	HD-COD-SW-7-0/1-0	115429	3.84	1803229	7.33	1440124	10.94
410-164764-3	HD-COD-SW-8-0/1-0	108377	3.84	1808121	7.33	1437791	10.94
410-164764-4	HD-COD-SW-9-0/1-0	148225	3.85	1817779	7.33	1447504	10.94
410-164764-5	HD-COD-SW-13-0/1-0	119181	3.85	1796476	7.33	1428999	10.94
410-164764-7	HD-COD-SW-16-0/1-0	104078	3.84	1713290	7.33	1372051	10.94
410-164764-8	HD-COD-SW-17-0/1-0	132040	3.85	1749492	7.34	1435018	10.94
410-164764-8 DL	HD-COD-SW-17-0/1-0DL	137124	3.85	1730909	7.33	1404789	10.94

TBAd10 = t-Butyl alcohol-d10 (IS)
TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)
CBZd5 = Chlorobenzene-d5 (IS)
Area Limit = 50%-200% of internal standard area
CBZd5 = Chlorobenzene-d5 (IS)
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.: 410-164764-1

SDG No.:

Sample No.: CCVIS 410-486836/3 Date Analyzed: 03/25/2024 19:38

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): CM25X02.D Heated Purge: (Y/N) N

Calibration ID: 56725

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		954519	12.88				
UPPER LIMIT		1909038	13.38				
LOWER LIMIT		477260	12.38				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-486836/4		900614	12.88				
MB 410-486836/6		809640	12.88				
410-164764-6	HD-COD-SW-15-0/1-0	784771	12.88				
410-164764-6 MS	HD-COD-SW-15-0/1-0MS MS	915566	12.88				
410-164764-6 MSD	HD-COD-SW-15-0/1-0MSD MSD	884107	12.88				
410-164764-1	HD-COD-SW-6-0/1-0	831442	12.88				
410-164764-2	HD-COD-SW-7-0/1-0	826154	12.88				
410-164764-3	HD-COD-SW-8-0/1-0	816101	12.88				
410-164764-4	HD-COD-SW-9-0/1-0	838193	12.88				
410-164764-5	HD-COD-SW-13-0/1-0	807435	12.88				
410-164764-7	HD-COD-SW-16-0/1-0	779468	12.88				
410-164764-8	HD-COD-SW-17-0/1-0	796604	12.88				
410-164764-8 DL	HD-COD-SW-17-0/1-0DL	786681	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.: 410-164764-1

SDG No.:

Sample No.: CCVIS 410-487558/3 Date Analyzed: 03/27/2024 10:39

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): CM27X02.D Heated Purge: (Y/N) N

Calibration ID: 56725

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		122684	3.84	1860666	7.34	1436184	10.94
UPPER LIMIT		245368	4.34	3721332	7.84	2872368	11.44
LOWER LIMIT		61342	3.34	930333	6.84	718092	10.44
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-487558/5		151961	3.83	1923377	7.33	1489562	10.94
MB 410-487558/7		136230	3.84	1767287	7.33	1405737	10.94
410-164764-9	HD-COD-SW-26-0/1-0	145145	3.84	1933707	7.33	1456537	10.94
410-164764-10	HD-COD-SW-27-0/1-0	143947	3.84	1773322	7.33	1407313	10.94

TBAd10 = t-Butyl alcohol-d10 (IS)
TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)
CBZd5 = Chlorobenzene-d5 (IS)
Area Limit = 50%-200% of internal standard area
CBZd5 = Chlorobenzene-d5 (IS)
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.: 410-164764-1

SDG No.:

Sample No.: CCVIS 410-487558/3 Date Analyzed: 03/27/2024 10:39

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): CM27X02.D Heated Purge: (Y/N) N

Calibration ID: 56725

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		893576	12.88				
UPPER LIMIT		1787152	13.38				
LOWER LIMIT		446788	12.38				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-487558/5		911812	12.88				
MB 410-487558/7		805495	12.88				
410-164764-9	HD-COD-SW-26-0/1-0	858261	12.88				
410-164764-10	HD-COD-SW-27-0/1-0	790211	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.: 410-164764-1

SDG No.:

Sample No.: ICIS 410-431955/18 Date Analyzed: 10/17/2023 09:23

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

Lab File ID (Standard): HO16X17.D Heated Purge: (Y/N) N

Calibration ID: 54851

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		83963	4.00	1790766	7.51	1358954	11.05
UPPER LIMIT		167926	4.50	3581532	8.01	2717908	11.55
LOWER LIMIT		41982	3.50	895383	7.01	679477	10.55
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-431955/21		81596	3.99	1813311	7.51	1377945	11.05
CCVIS 410-487972/3		93799	3.99	1722614	7.49	1407849	11.04

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.: 410-164764-1

SDG No.:

Sample No.: ICIS 410-431955/18 Date Analyzed: 10/17/2023 09:23

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

Lab File ID (Standard): HO16X17.D Heated Purge: (Y/N) N

Calibration ID: 54851

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		773685	12.94				
UPPER LIMIT		1547370	13.44				
LOWER LIMIT		386843	12.44				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-431955/21		778640	12.94				
CCVIS 410-487972/3		815477	12.94				

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.: 410-164764-1

SDG No.:

Sample No.: CCVIS 410-487972/3 Date Analyzed: 03/28/2024 08:00

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

Lab File ID (Standard): HM28X02.D Heated Purge: (Y/N) N

Calibration ID: 54851

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		93799	3.99	1722614	7.49	1407849	11.04
UPPER LIMIT		187598	4.49	3445228	7.99	2815698	11.54
LOWER LIMIT		46900	3.49	861307	6.99	703925	10.54
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-487972/4		80515	4.00	1753084	7.49	1436066	11.04
LCSD 410-487972/5		80813	4.00	1737229	7.49	1413184	11.04
MB 410-487972/7		75218	3.97	1642403	7.49	1351570	11.04
410-164764-14	HD-QC1-0/1-2	93654	3.98	1599487	7.49	1350183	11.04
410-164764-11	HD-COD-SW-28-0/1-0	74474	4.00	1653455	7.49	1384290	11.04
410-164764-12	HD-COD-SW-29-0/1-0	73784	3.98	1634233	7.49	1378478	11.04
410-164764-13	HD-QC1-0/1-1	78362	3.99	1579372	7.49	1462054	11.04
410-164764-13 DL	HD-QC1-0/1-1 DL	79141	4.00	1558559	7.49	1417678	11.04

TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)
FB = Fluorobenzene (IS)
CBZd5 = Chlorobenzene-d5 (IS)
Area Limit = 50%-200% of internal standard area
CBZd5 = Chlorobenzene-d5 (IS)
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.: 410-164764-1

SDG No.:

Sample No.: CCVIS 410-487972/3 Date Analyzed: 03/28/2024 08:00

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

Lab File ID (Standard): HM28X02.D Heated Purge: (Y/N) N

Calibration ID: 54851

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		815477	12.94				
UPPER LIMIT		1630954	13.44				
LOWER LIMIT		407739	12.44				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-487972/4		808317	12.94				
LCSD 410-487972/5		801840	12.94				
MB 410-487972/7		718094	12.94				
410-164764-14	HD-QC1-0/1-2	733603	12.94				
410-164764-11	HD-COD-SW-28-0/1-0	731466	12.94				
410-164764-12	HD-COD-SW-29-0/1-0	728357	12.94				
410-164764-13	HD-QC1-0/1-1	778762	12.94				
410-164764-13 DL	HD-QC1-0/1-1 DL	769857	12.94				

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.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-6-0/1-0
Lab Sample ID: 410-164764-1

Matrix: Water
Lab File ID: CM25X17.D

Analysis Method: 8260D
Date Collected: 03/20/2024 09:05

Sample wt/vol: 25(mL)
Date Analyzed: 03/26/2024 01:16

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 486836
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	1.2	J ^c cn	5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-6-0/1-0
Lab Sample ID: 410-164764-1

Matrix: Water
Lab File ID: CM25X17.D

Analysis Method: 8260D
Date Collected: 03/20/2024 09:05

Sample wt/vol: 25(mL)
Date Analyzed: 03/26/2024 01:16

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 486836
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	ND		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		80-120
460-00-4	4-Bromofluorobenzene (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	112		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X17.D
Lims ID: 410-164764-A-1
Client ID: HD-COD-SW-6-0/1-0
Sample Type: Client
Inject. Date: 26-Mar-2024 01:16:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109513-018
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Mar-2024 12:55:08 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: FQ4L Date: 26-Mar-2024 12:55:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.000				ND	
6 Vinyl chloride	62		2.104				ND	
9 Bromomethane	94		2.402				ND	7
10 Chloroethane	64		2.470				ND	
18 1,1-Dichloroethene	96		3.232				ND	
20 Acetone	43	3.280	3.262	0.018	51	8980	1.17	
25 Carbon disulfide	76		3.494				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.847	3.829	0.018	96	146035	50.0	
30 Methylene Chloride	84		3.835				ND	7
34 Methyl tert-butyl ether	73		4.195				ND	7
35 trans-1,2-Dichloroethene	96		4.201				ND	
37 1,1-Dichloroethane	63		4.865				ND	
42 2-Butanone (MEK)	43		5.682				ND	
43 cis-1,2-Dichloroethene	96	5.707	5.713	-0.006	77	1458	0.0267	a
48 Chlorobromomethane	128		6.042				ND	
50 Chloroform	83	6.201	6.207	-0.006	90	2715	0.0301	
$ 54 Dibromofluoromethane (Surr)	113	6.426	6.426	0.000	94	453987	11.2	
53 1,1,1-Trichloroethane	97		6.432				ND	
56 Carbon tetrachloride	117		6.639				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.883	6.883	0.000	99	97320	11.8	
60 Benzene	78		6.914				ND	7
61 1,2-Dichloroethane	62		6.987				ND	
* 65 Fluorobenzene (IS)	96	7.328	7.328	0.000	99	1820751	10.0	
68 Trichloroethene	95	7.822	7.816	0.006	94	1766	0.0331	Ma
70 1,2-Dichloropropane	63		8.157				ND	
76 Dichlorobromomethane	83		8.517				ND	7
80 cis-1,3-Dichloropropene	75		9.084				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.291				ND	7
$ 83 Toluene-d8 (Surr)	98	9.413	9.413	0.000	94	1880066	10.2	
84 Toluene	92	9.487	9.493	-0.006	96	4749	0.0340	
85 trans-1,3-Dichloropropene	75		9.779				ND	
87 1,1,2-Trichloroethane	97		9.992				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166	10.072	10.072	0.000	93	1739	0.0270	
106 2-Hexanone	43		10.224				ND	7
108 Chlorodibromomethane	129		10.377				ND	
110 Ethylene Dibromide	107		10.486				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.944	10.943	0.001	85	1452081	10.0	
113 Chlorobenzene	112		10.974				ND	7
114 1,1,1,2-Tetrachloroethane	131		11.059				ND	
115 Ethylbenzene	91		11.065				ND	7
116 m-Xylene & p-Xylene	106		11.187				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.523				ND	7
119 Styrene	104		11.541				ND	7
120 Bromoform	173		11.693				ND	7
$ 124 4-Bromofluorobenzene (Surr)	95	11.980	11.980	0.000	95	661018	8.97	
126 1,1,2,2-Tetrachloroethane	83		12.096				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	831442	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

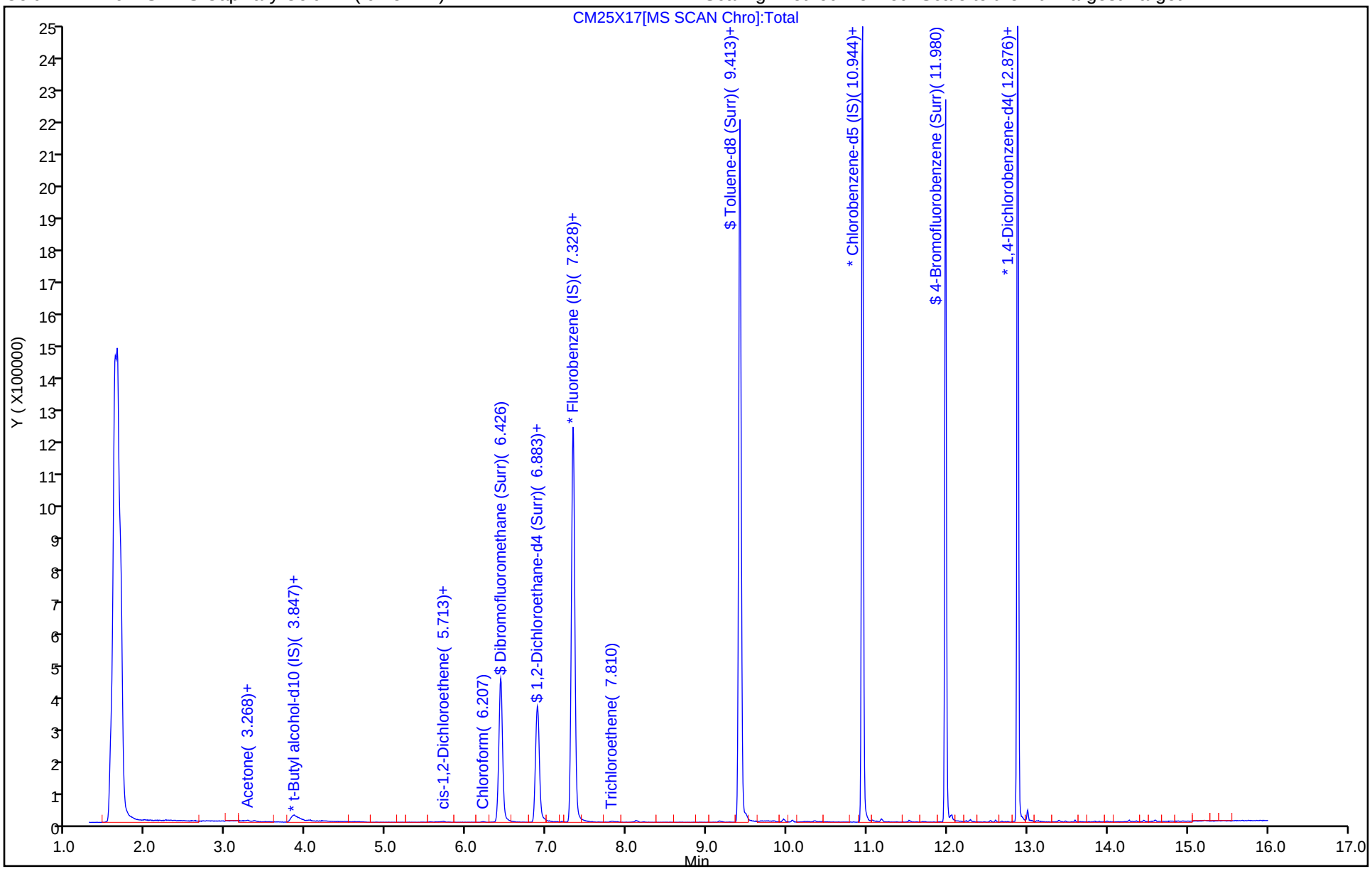
MSV_HP25_ISSS_00085 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 26-Mar-2024 12:55:09 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X17.D				
Injection Date:	26-Mar-2024 01:16:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	410-164764-A-1	Lab Sample ID:	410-164764-1	Worklist Smp#:	18
Client ID:	HD-COD-SW-6-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X17.D
Lims ID: 410-164764-A-1
Client ID: HD-COD-SW-6-0/1-0
Sample Type: Client
Inject. Date: 26-Mar-2024 01:16:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109513-018
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Mar-2024 12:55:08 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

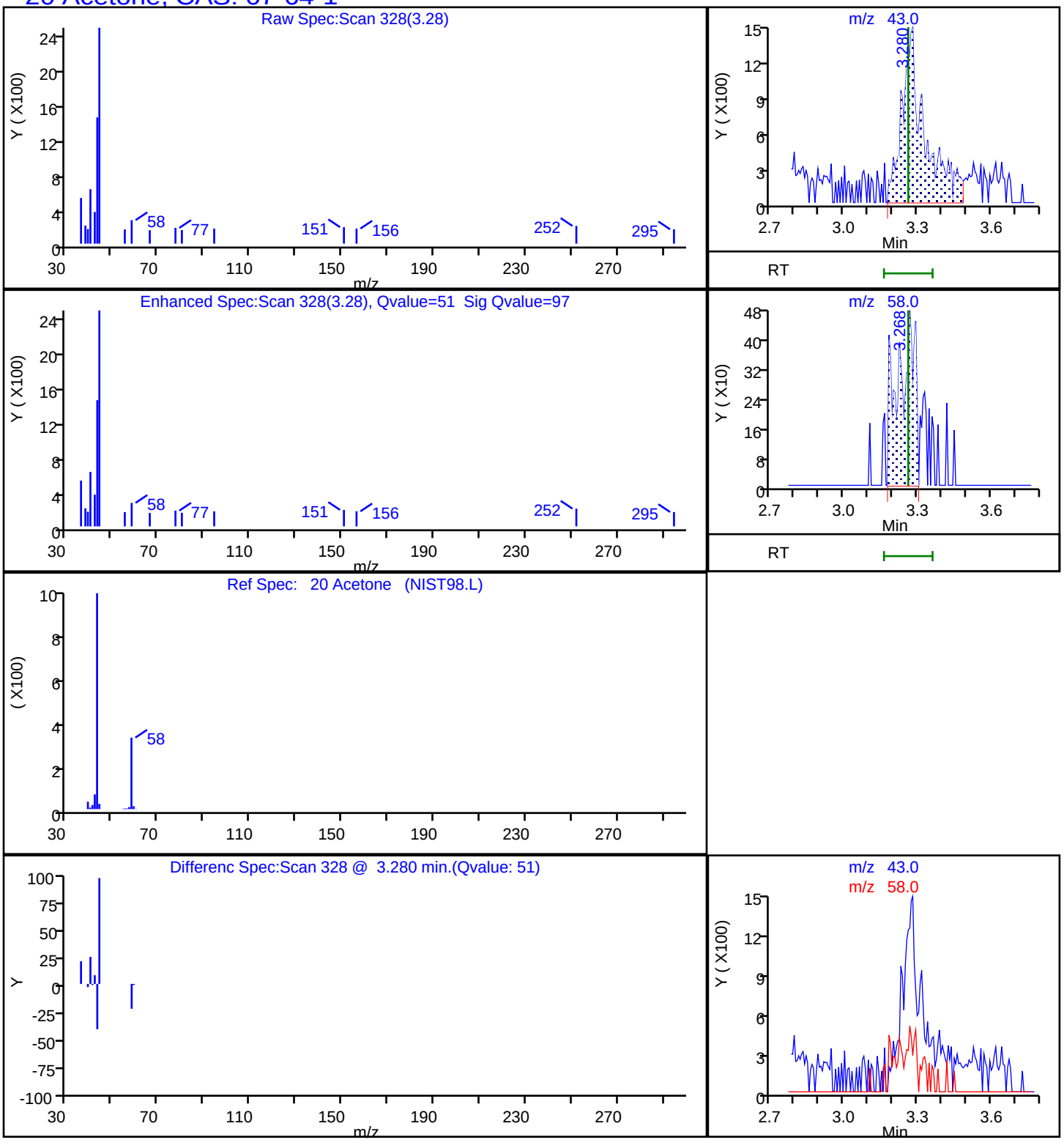
First Level Reviewer: FQ4L Date: 26-Mar-2024 12:55:08

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.2	111.79
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	11.8	118.41
$ 83 Toluene-d8 (Surr)	10.0	10.2	102.42
$ 124 4-Bromofluorobenzene (Surr)	10.0	8.97	89.67

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X17.D				
Injection Date:	26-Mar-2024 01:16:30	Instrument ID:	10193		
Lims ID:	410-164764-A-1	Lab Sample ID:	410-164764-1		
Client ID:	HD-COD-SW-6-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

20 Acetone, CAS: 67-64-1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

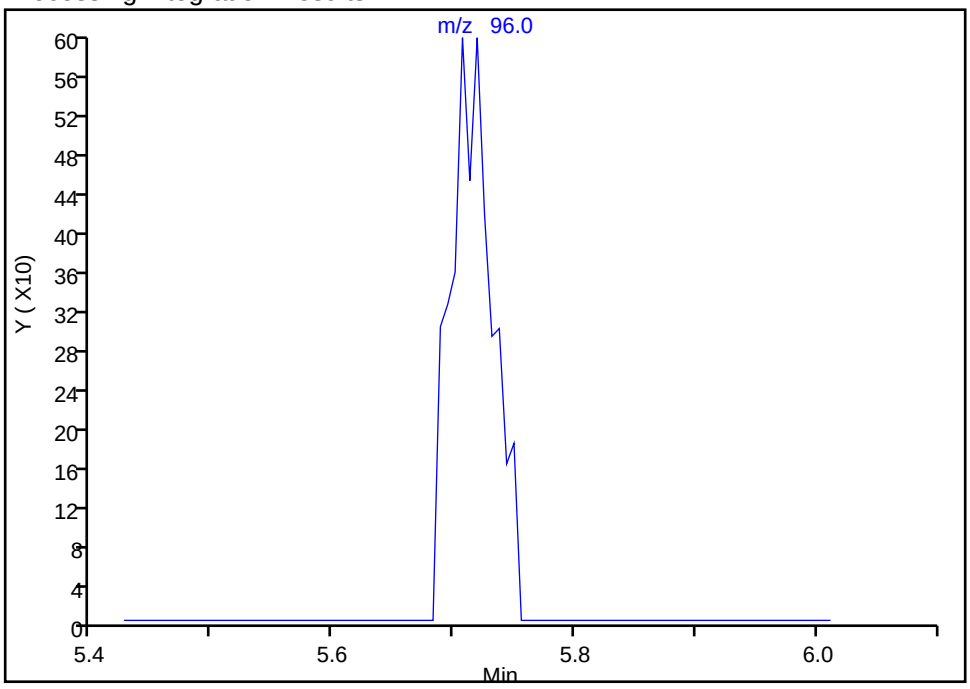
Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X17.D				
Injection Date:	26-Mar-2024 01:16:30	Instrument ID:	10193		
Lims ID:	410-164764-A-1	Lab Sample ID:	410-164764-1		
Client ID:	HD-COD-SW-6-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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

Signal: 1

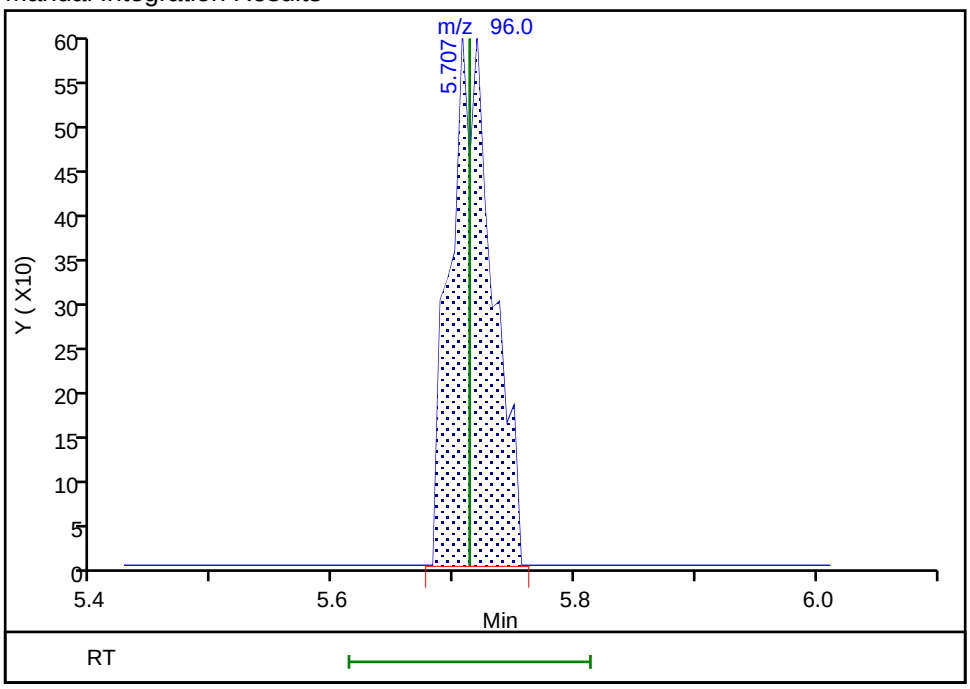
Not Detected
Expected RT: 5.71

Processing Integration Results



Manual Integration Results

RT: 5.71
Area: 1458
Amount: 0.026725
Amount Units: ug/l



Reviewer: FQ4L, 26-Mar-2024 12:54:17 07:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

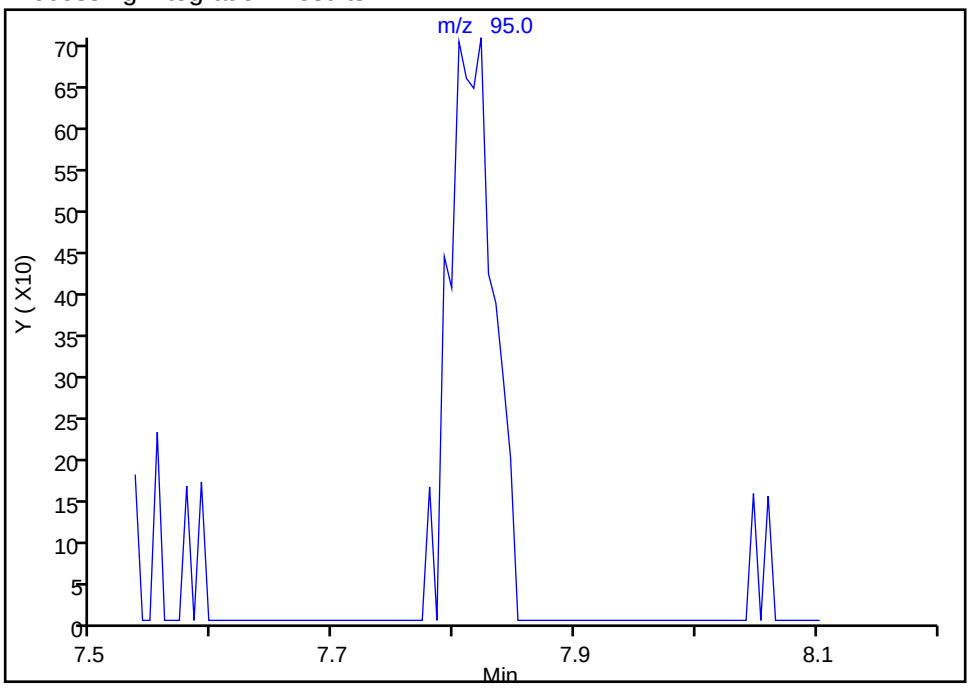
Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X17.D				
Injection Date:	26-Mar-2024 01:16:30	Instrument ID:	10193		
Lims ID:	410-164764-A-1	Lab Sample ID:	410-164764-1		
Client ID:	HD-COD-SW-6-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6

Signal: 1

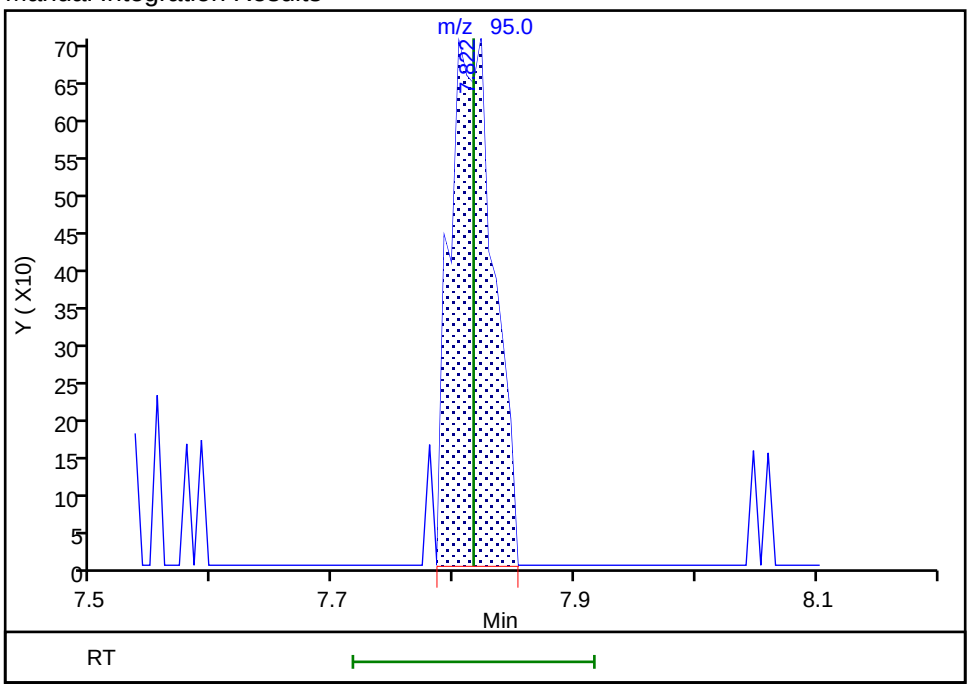
Not Detected
Expected RT: 7.82

Processing Integration Results



Manual Integration Results

RT: 7.82
Area: 1766
Amount: 0.033057
Amount Units: ug/l



Reviewer: FQ4L, 26-Mar-2024 12:54:42 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-7-0/1-0
Lab Sample ID: 410-164764-2

Matrix: Water
Lab File ID: CM25X18.D

Analysis Method: 8260D
Date Collected: 03/20/2024 10:09

Sample wt/vol: 25(mL)
Date Analyzed: 03/26/2024 01:39

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 486836
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	1.6	J ^c cn	5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	0.19	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-7-0/1-0
Lab Sample ID: 410-164764-2

Matrix: Water
Lab File ID: CM25X18.D

Analysis Method: 8260D
Date Collected: 03/20/2024 10:09

Sample wt/vol: 25(mL)
Date Analyzed: 03/26/2024 01:39

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 486836
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	0.085	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		80-120
460-00-4	4-Bromofluorobenzene (Surr)	89		80-120
1868-53-7	Dibromofluoromethane (Surr)	112		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X18.D
Lims ID: 410-164764-A-2
Client ID: HD-COD-SW-7-0/1-0
Sample Type: Client
Inject. Date: 26-Mar-2024 01:39:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109513-019
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Mar-2024 13:00:08 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: FQ4L Date: 26-Mar-2024 13:00:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.994	2.000	-0.006	99	13399	0.1865	
6 Vinyl chloride	62		2.104				ND	
9 Bromomethane	94		2.402				ND	7
10 Chloroethane	64		2.470				ND	
18 1,1-Dichloroethene	96		3.232				ND	7
20 Acetone	43	3.274	3.262	0.012	70	9734	1.61	
25 Carbon disulfide	76		3.494				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.841	3.829	0.012	96	115429	50.0	
30 Methylene Chloride	84		3.835				ND	7
34 Methyl tert-butyl ether	73		4.195				ND	
35 trans-1,2-Dichloroethene	96		4.201				ND	
37 1,1-Dichloroethane	63		4.865				ND	
42 2-Butanone (MEK)	43		5.682				ND	7
43 cis-1,2-Dichloroethene	96	5.719	5.713	0.006	74	4112	0.0761	
48 Chlorobromomethane	128		6.042				ND	
50 Chloroform	83	6.213	6.207	0.006	91	4573	0.0512	
$ 54 Dibromofluoromethane (Surr)	113	6.426	6.426	0.000	94	449608	11.2	
53 1,1,1-Trichloroethane	97		6.432				ND	
56 Carbon tetrachloride	117		6.639				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.883	6.883	0.000	99	95182	11.7	
60 Benzene	78		6.914				ND	
61 1,2-Dichloroethane	62		6.987				ND	
* 65 Fluorobenzene (IS)	96	7.328	7.328	0.000	99	1803229	10.0	
68 Trichloroethene	95	7.816	7.816	0.000	94	4496	0.0850	a
70 1,2-Dichloropropane	63		8.157				ND	
76 Dichlorobromomethane	83		8.517				ND	7
80 cis-1,3-Dichloropropene	75		9.084				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.291				ND	7
$ 83 Toluene-d8 (Surr)	98	9.413	9.413	0.000	94	1865541	10.2	
84 Toluene	92	9.493	9.493	0.000	94	4178	0.0302	
85 trans-1,3-Dichloropropene	75		9.779				ND	7
87 1,1,2-Trichloroethane	97		9.992				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166	10.066	10.072	-0.006	95	4798	0.0751	
106 2-Hexanone	43		10.224				ND	7
108 Chlorodibromomethane	129		10.377				ND	
110 Ethylene Dibromide	107		10.486				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.944	10.943	0.001	85	1440124	10.0	
113 Chlorobenzene	112		10.974				ND	7
114 1,1,1,2-Tetrachloroethane	131		11.059				ND	
115 Ethylbenzene	91		11.065				ND	7
116 m-Xylene & p-Xylene	106		11.187				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.523				ND	7
119 Styrene	104		11.541				ND	7
120 Bromoform	173		11.693				ND	7
$ 124 4-Bromofluorobenzene (Surr)	95	11.980	11.980	0.000	94	650612	8.90	
126 1,1,2,2-Tetrachloroethane	83		12.096				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	826154	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00085 Amount Added: 1.00 Units: uL Run Reagent

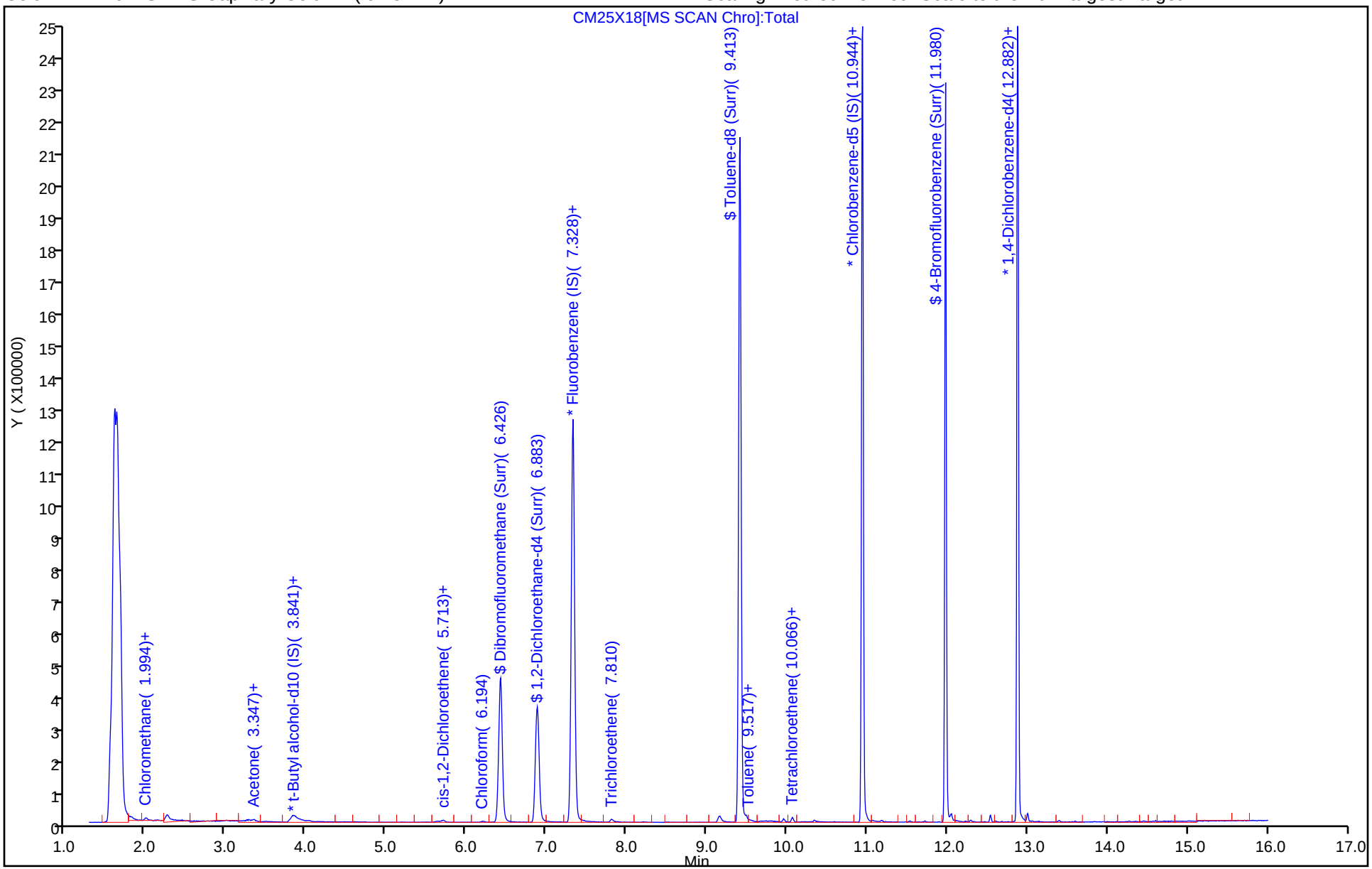
Report Date: 26-Mar-2024 13:00:33 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X18.D

Injection Date:	26-Mar-2024 01:39:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	410-164764-A-2	Lab Sample ID:	410-164764-2	Worklist Smp#:	19
Client ID:	HD-COD-SW-7-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X18.D
Lims ID: 410-164764-A-2
Client ID: HD-COD-SW-7-0/1-0
Sample Type: Client
Inject. Date: 26-Mar-2024 01:39:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109513-019
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Mar-2024 13:00:08 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

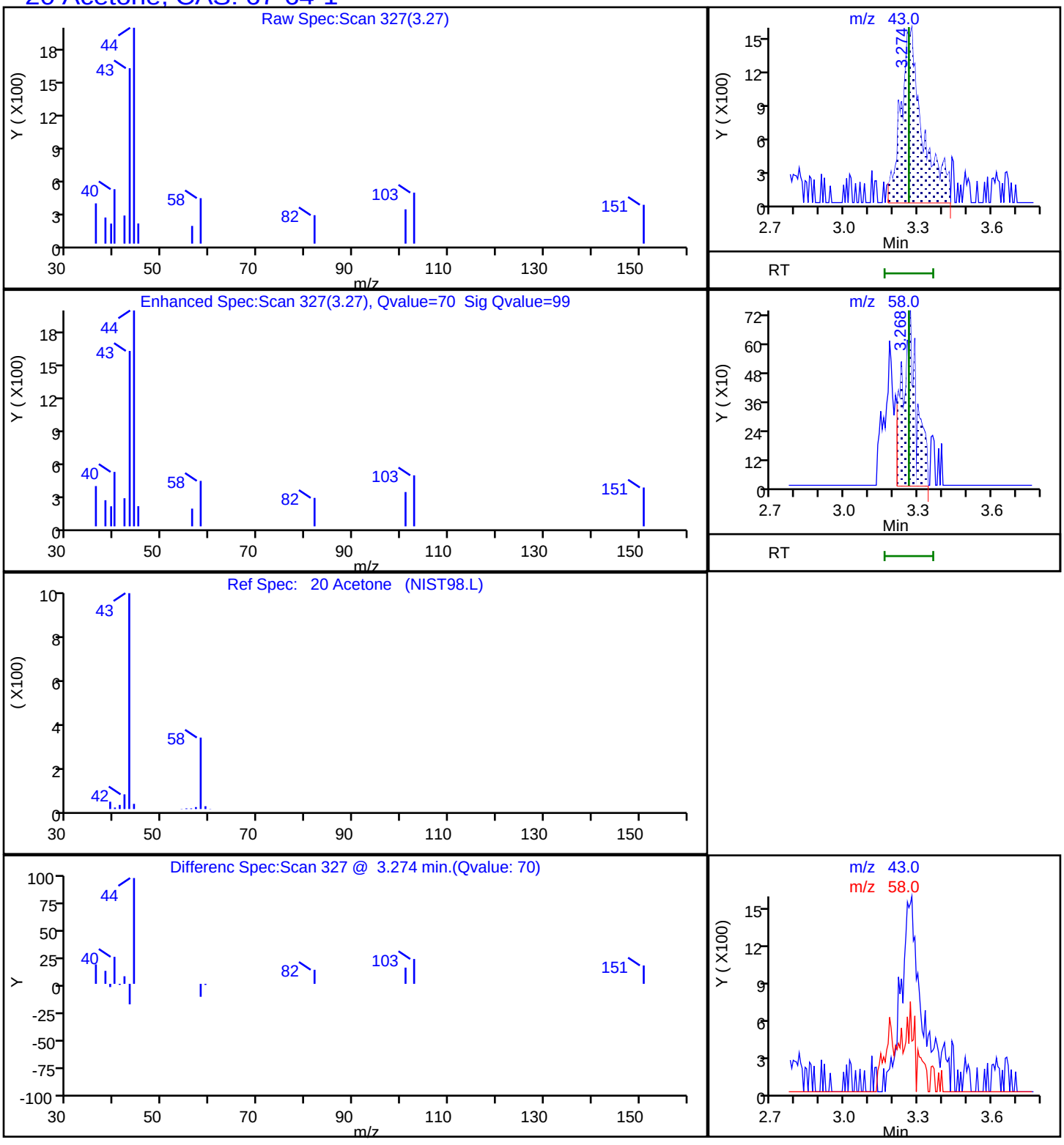
First Level Reviewer: FQ4L Date: 26-Mar-2024 13:00:32

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.2	111.79
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	11.7	116.94
$ 83 Toluene-d8 (Surr)	10.0	10.2	102.48
$ 124 4-Bromofluorobenzene (Surr)	10.0	8.90	89.00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X18.D				
Injection Date:	26-Mar-2024 01:39:30	Instrument ID:	10193		
Lims ID:	410-164764-A-2	Lab Sample ID:	410-164764-2		
Client ID:	HD-COD-SW-7-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

20 Acetone, CAS: 67-64-1

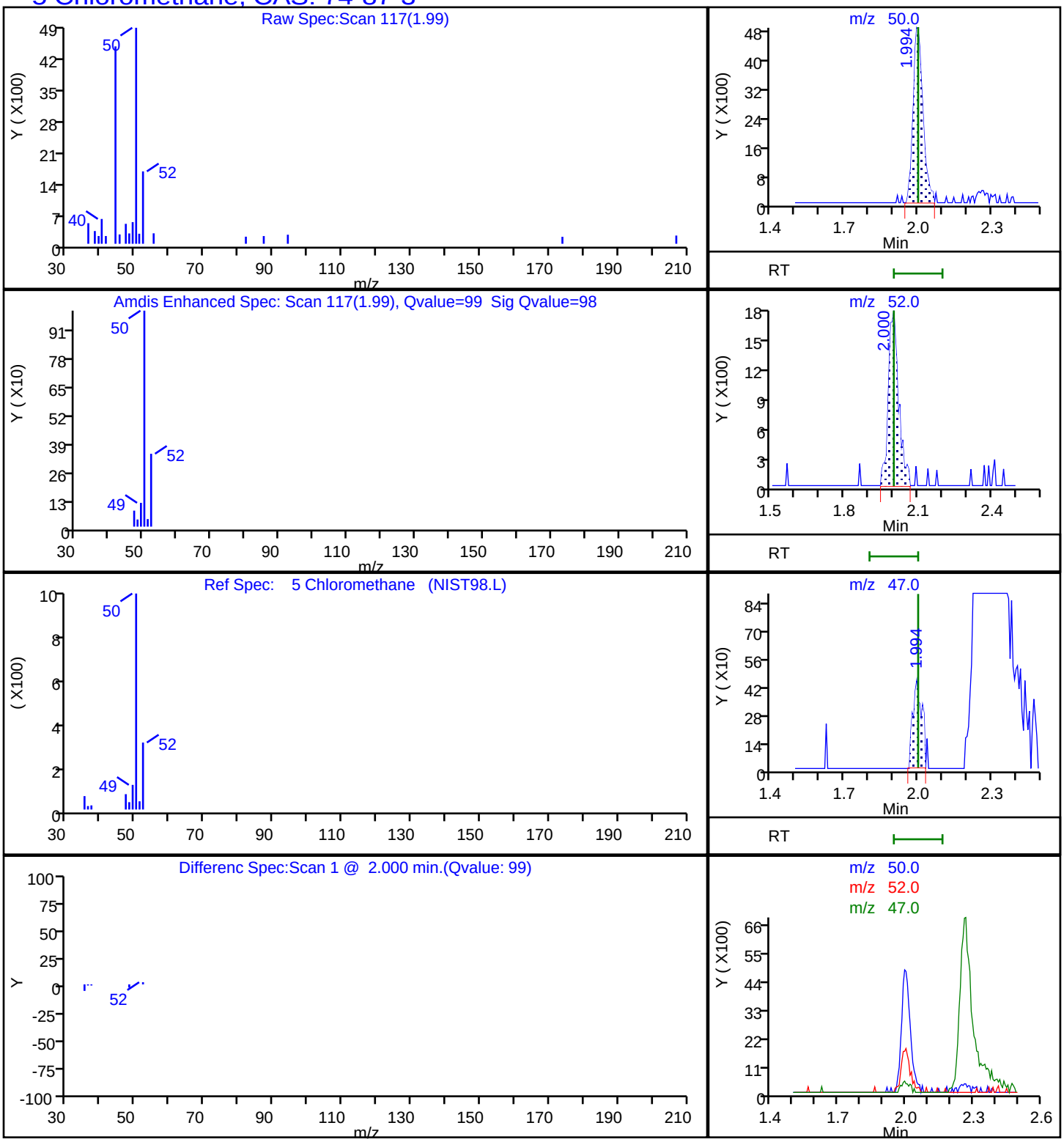


Report Date: 26-Mar-2024 13:00:33 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X18.D				
Injection Date:	26-Mar-2024 01:39:30	Instrument ID:	10193		
Lims ID:	410-164764-A-2	Lab Sample ID:	410-164764-2		
Client ID:	HD-COD-SW-7-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

5 Chloromethane, CAS: 74-87-3

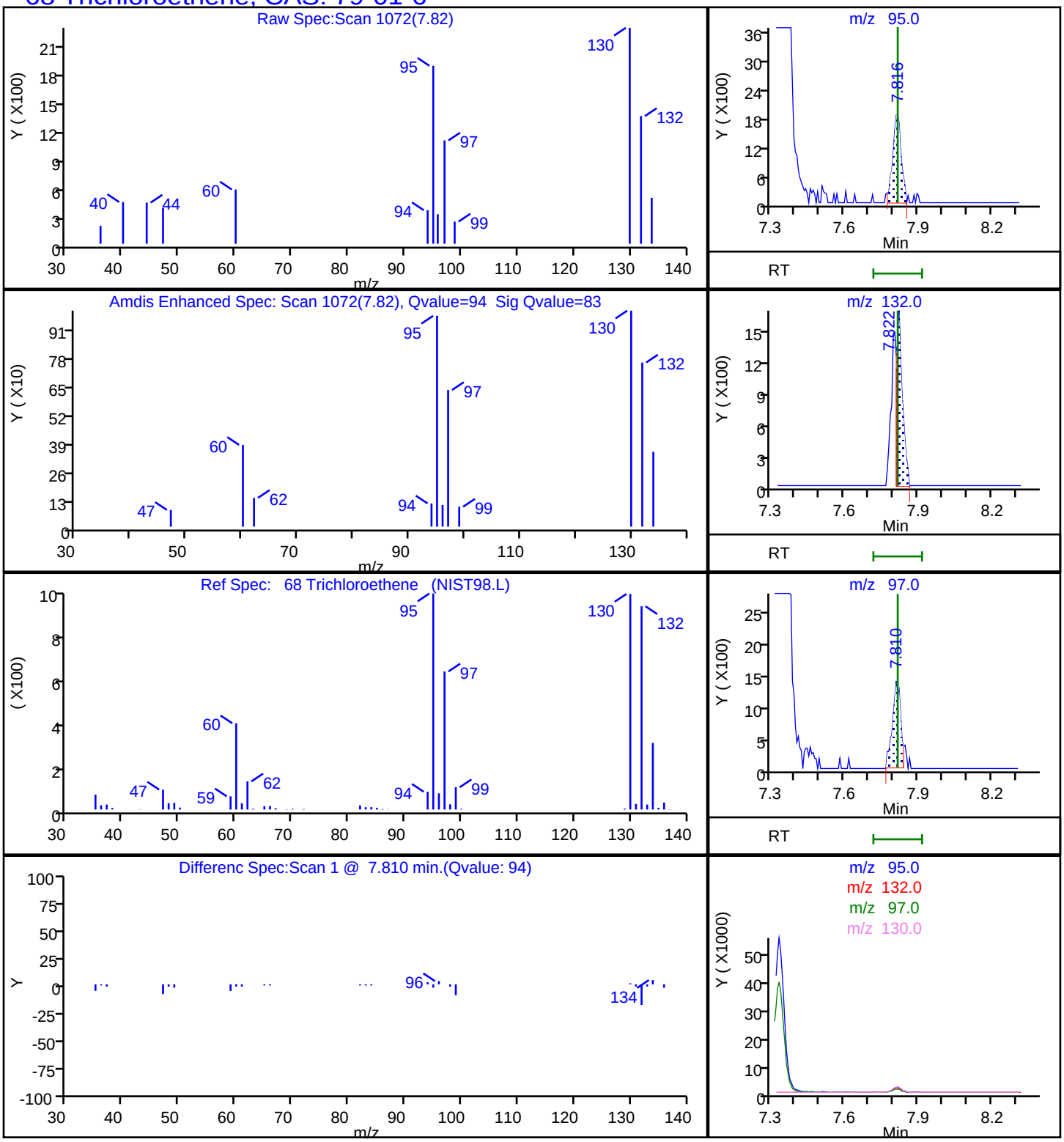


Report Date: 26-Mar-2024 13:00:33 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X18.D				
Injection Date:	26-Mar-2024 01:39:30	Instrument ID:	10193		
Lims ID:	410-164764-A-2	Lab Sample ID:	410-164764-2		
Client ID:	HD-COD-SW-7-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

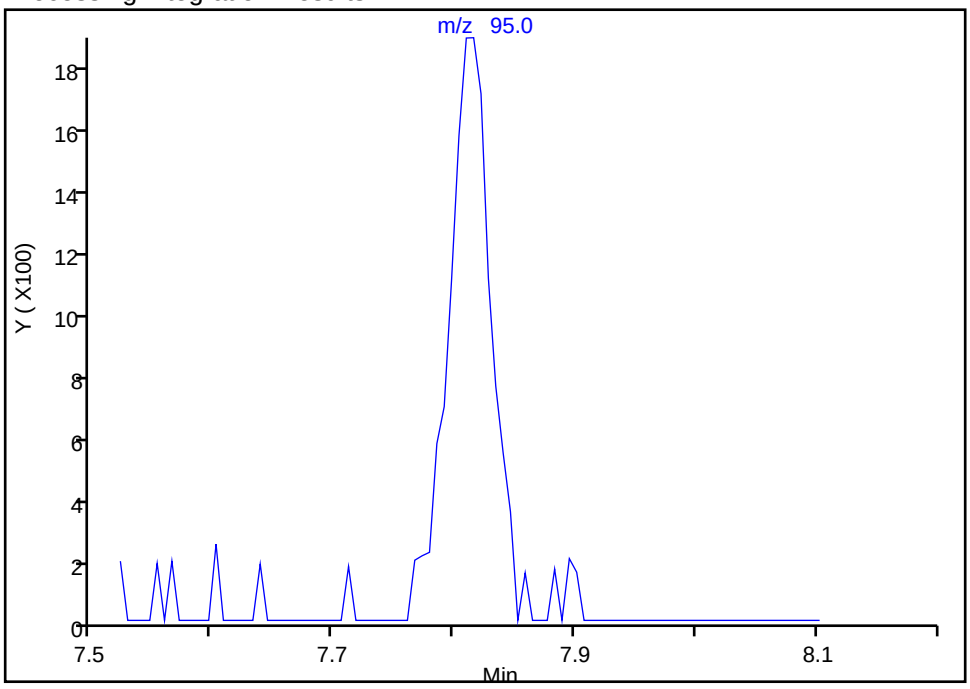
Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X18.D				
Injection Date:	26-Mar-2024 01:39:30	Instrument ID:	10193		
Lims ID:	410-164764-A-2	Lab Sample ID:	410-164764-2		
Client ID:	HD-COD-SW-7-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6

Signal: 1

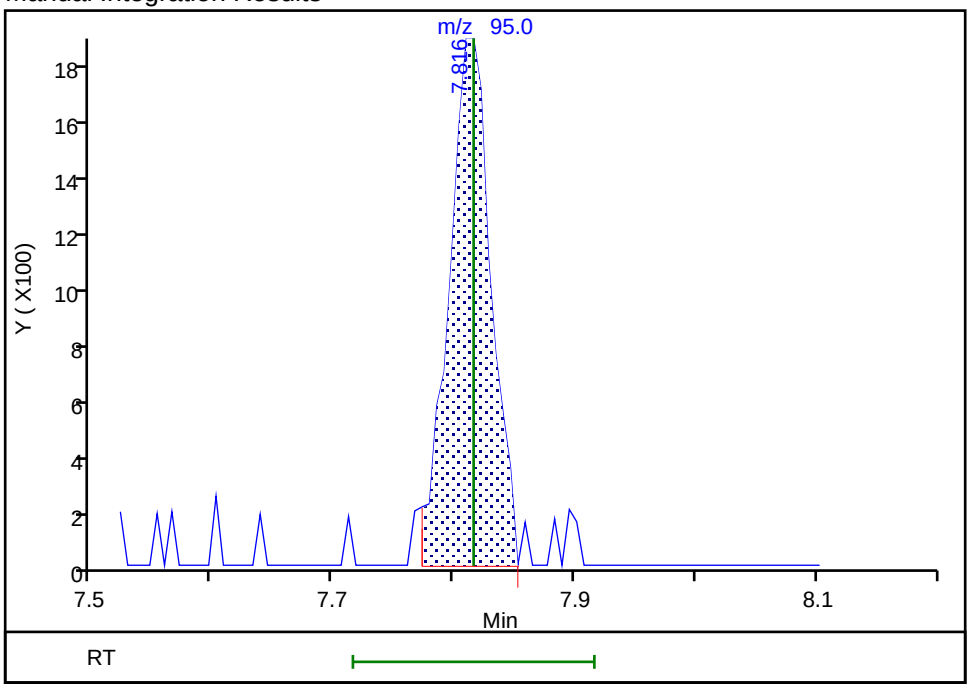
Not Detected
Expected RT: 7.82

Processing Integration Results



Manual Integration Results

RT: 7.82
Area: 4496
Amount: 0.084977
Amount Units: ug/l



Reviewer: FQ4L, 26-Mar-2024 13:00:03 07:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-8-0/1-0
Lab Sample ID: 410-164764-3

Matrix: Water
Lab File ID: CM25X19.D

Analysis Method: 8260D
Date Collected: 03/20/2024 08:02

Sample wt/vol: 25(mL)
Date Analyzed: 03/26/2024 02:01

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 486836
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	1.7	J ^c cn	5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.087	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.73		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-8-0/1-0
Lab Sample ID: 410-164764-3

Matrix: Water
Lab File ID: CM25X19.D

Analysis Method: 8260D
Date Collected: 03/20/2024 08:02

Sample wt/vol: 25(mL)
Date Analyzed: 03/26/2024 02:01

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 486836
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	0.10	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		80-120
460-00-4	4-Bromofluorobenzene (Surr)	89		80-120
1868-53-7	Dibromofluoromethane (Surr)	112		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X19.D
Lims ID: 410-164764-A-3
Client ID: HD-COD-SW-8-0/1-0
Sample Type: Client
Inject. Date: 26-Mar-2024 02:01:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109513-020
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Mar-2024 13:33:12 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: FQ4L Date: 26-Mar-2024 13:33:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.988	2.000	-0.012	86	2949	0.0409	
6 Vinyl chloride	62		2.104				ND	
9 Bromomethane	94		2.402				ND	7
10 Chloroethane	64		2.470				ND	
18 1,1-Dichloroethene	96		3.232				ND	7
20 Acetone	43	3.256	3.262	-0.006	62	9915	1.75	
25 Carbon disulfide	76		3.494				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.841	3.829	0.012	95	108377	50.0	
30 Methylene Chloride	84		3.835				ND	7
34 Methyl tert-butyl ether	73		4.195				ND	7
35 trans-1,2-Dichloroethene	96		4.201				ND	
37 1,1-Dichloroethane	63		4.865				ND	7
42 2-Butanone (MEK)	43		5.682				ND	7
43 cis-1,2-Dichloroethene	96	5.707	5.713	-0.006	81	4700	0.0868	
48 Chlorobromomethane	128		6.042				ND	
50 Chloroform	83	6.213	6.207	0.006	82	2839	0.0317	a
$ 54 Dibromofluoromethane (Surr)	113	6.426	6.426	0.000	94	452705	11.2	
53 1,1,1-Trichloroethane	97	6.426	6.432	-0.006	51	3924	0.0527	
56 Carbon tetrachloride	117		6.639				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.883	6.883	0.000	99	95839	11.7	
60 Benzene	78		6.914				ND	7
61 1,2-Dichloroethane	62		6.987				ND	
* 65 Fluorobenzene (IS)	96	7.328	7.328	0.000	99	1808121	10.0	
68 Trichloroethene	95	7.810	7.816	-0.006	92	5469	0.1031	Ma
70 1,2-Dichloropropane	63		8.157				ND	
76 Dichlorobromomethane	83		8.517				ND	7
80 cis-1,3-Dichloropropene	75		9.084				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.291				ND	7
$ 83 Toluene-d8 (Surr)	98	9.413	9.413	0.000	93	1856151	10.2	
84 Toluene	92	9.492	9.493	-0.001	98	6976	0.0505	
85 trans-1,3-Dichloropropene	75		9.779				ND	
87 1,1,2-Trichloroethane	97		9.992				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166	10.065	10.072	-0.007	97	46808	0.7338	
106 2-Hexanone	43		10.224				ND	7
108 Chlorodibromomethane	129		10.377				ND	
110 Ethylene Dibromide	107		10.486				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.943	10.943	0.000	85	1437791	10.0	
113 Chlorobenzene	112		10.974				ND	
114 1,1,1,2-Tetrachloroethane	131		11.059				ND	
115 Ethylbenzene	91		11.065				ND	7
116 m-Xylene & p-Xylene	106		11.187				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.523				ND	7
119 Styrene	104		11.541				ND	7
120 Bromoform	173		11.693				ND	7
$ 124 4-Bromofluorobenzene (Surr)	95	11.980	11.980	0.000	95	647905	8.88	
126 1,1,2,2-Tetrachloroethane	83		12.096				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	816101	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00085 Amount Added: 1.00 Units: uL Run Reagent

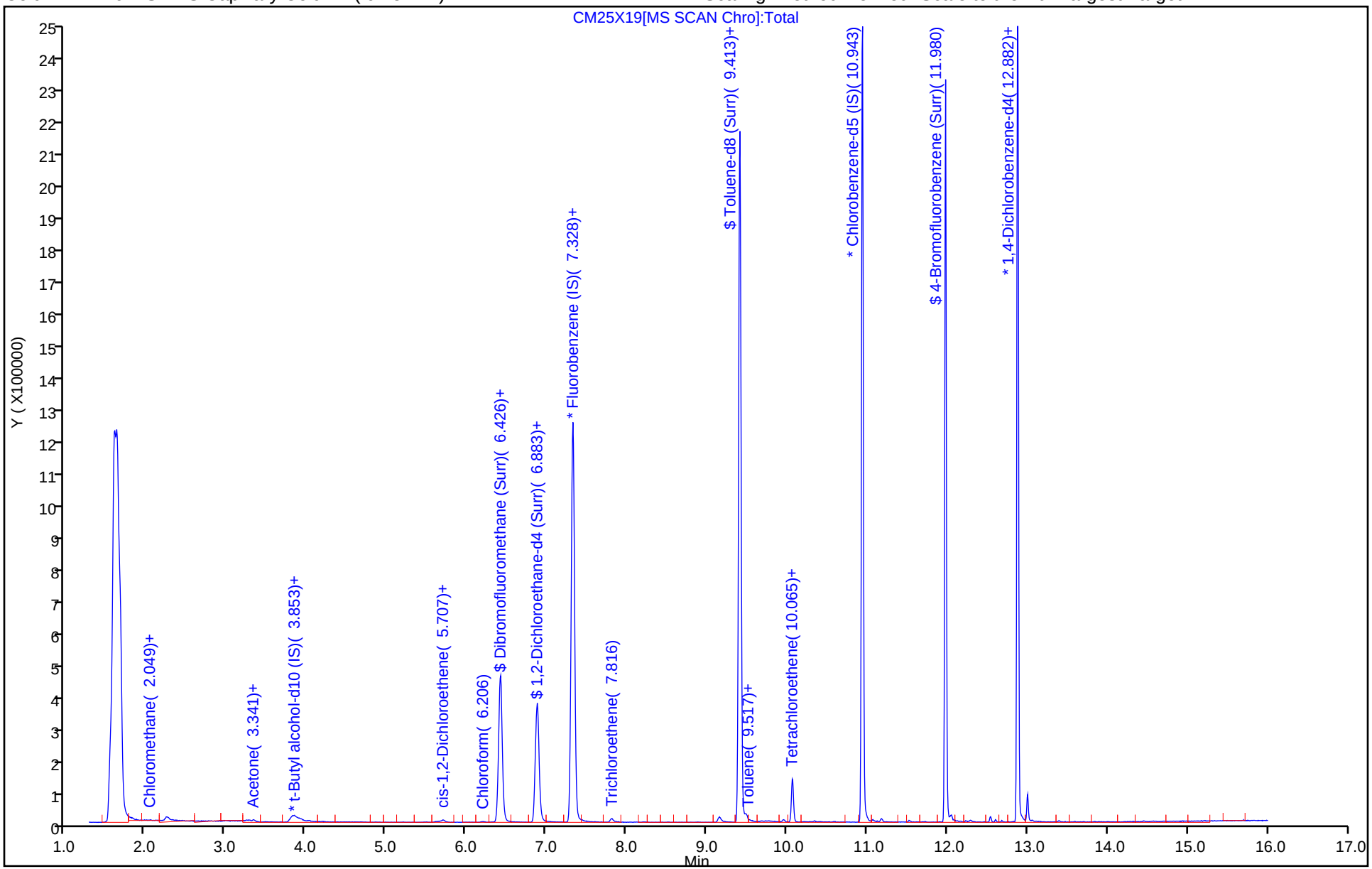
Report Date: 26-Mar-2024 13:33:12 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X19.D

Injection Date:	26-Mar-2024 02:01:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	410-164764-A-3	Lab Sample ID:	410-164764-3	Worklist Smp#:	20
Client ID:	HD-COD-SW-8-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X19.D
Lims ID: 410-164764-A-3
Client ID: HD-COD-SW-8-0/1-0
Sample Type: Client
Inject. Date: 26-Mar-2024 02:01:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109513-020
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Mar-2024 13:33:12 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

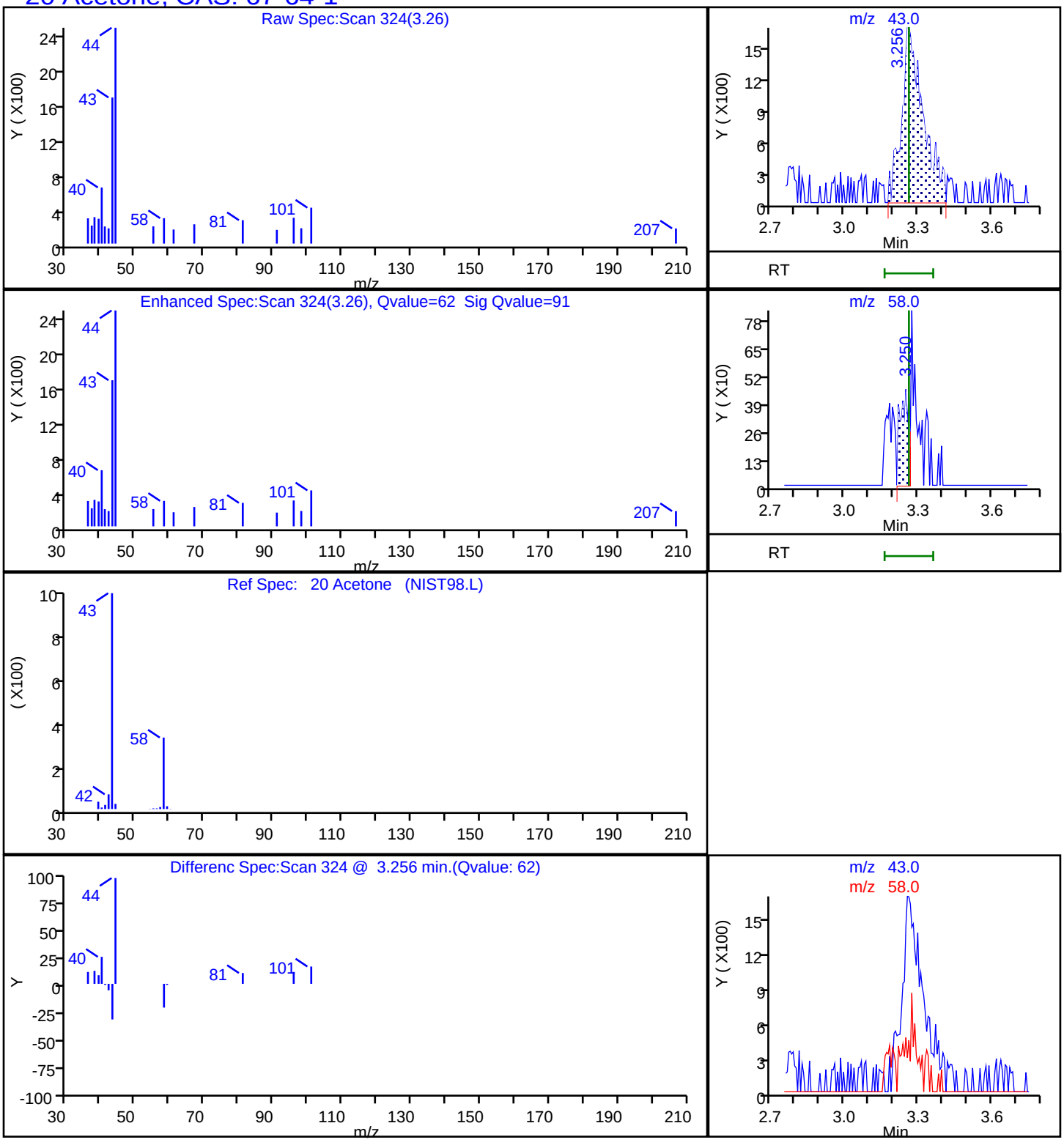
First Level Reviewer: FQ4L Date: 26-Mar-2024 13:33:12

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.2	112.26
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	11.7	117.43
$ 83 Toluene-d8 (Surr)	10.0	10.2	102.13
$ 124 4-Bromofluorobenzene (Surr)	10.0	8.88	88.77

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X19.D				
Injection Date:	26-Mar-2024 02:01:30	Instrument ID:	10193		
Lims ID:	410-164764-A-3	Lab Sample ID:	410-164764-3		
Client ID:	HD-COD-SW-8-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

20 Acetone, CAS: 67-64-1

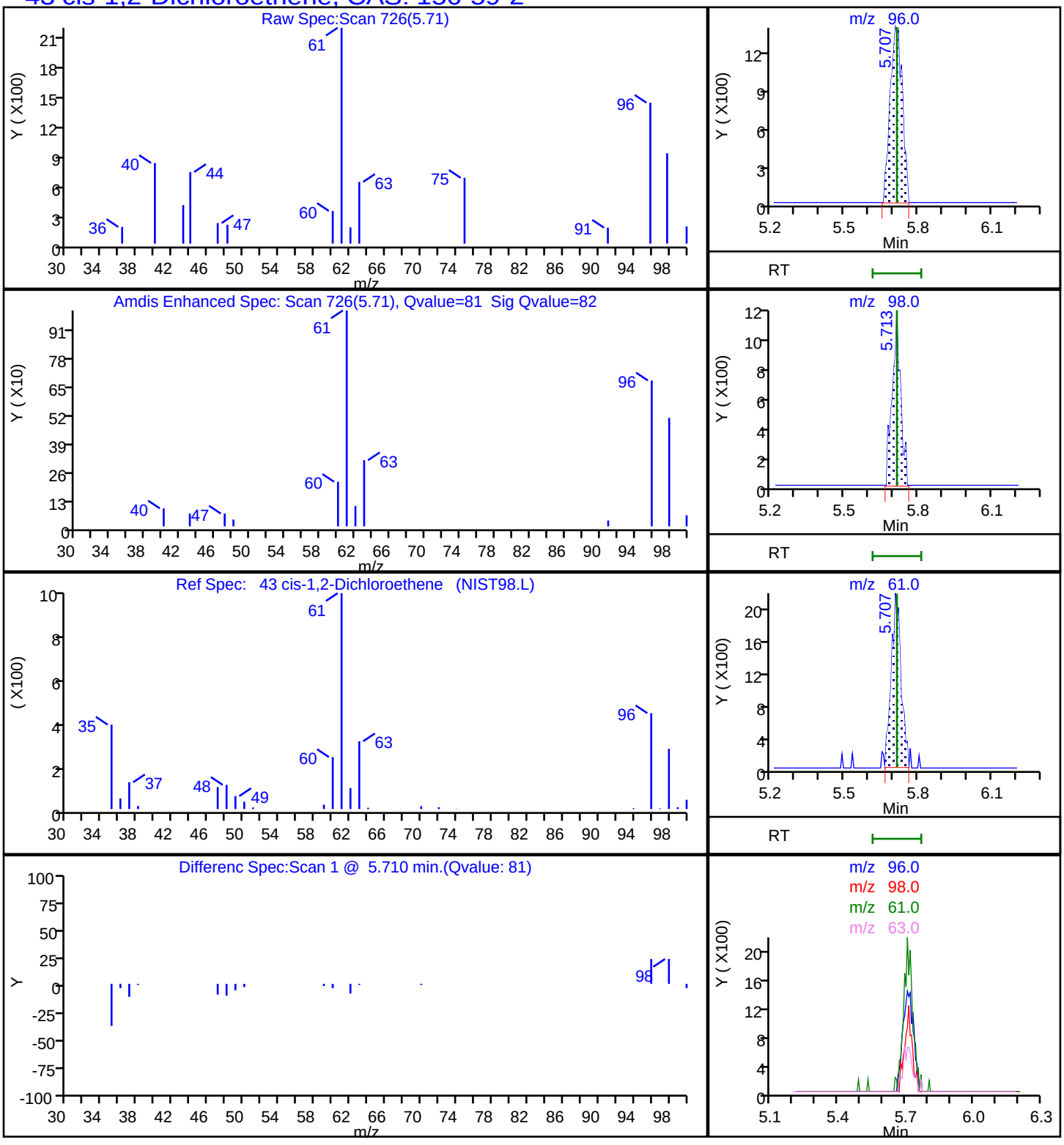


Report Date: 26-Mar-2024 13:33:13 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X19.D				
Injection Date:	26-Mar-2024 02:01:30	Instrument ID:	10193		
Lims ID:	410-164764-A-3	Lab Sample ID:	410-164764-3		
Client ID:	HD-COD-SW-8-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

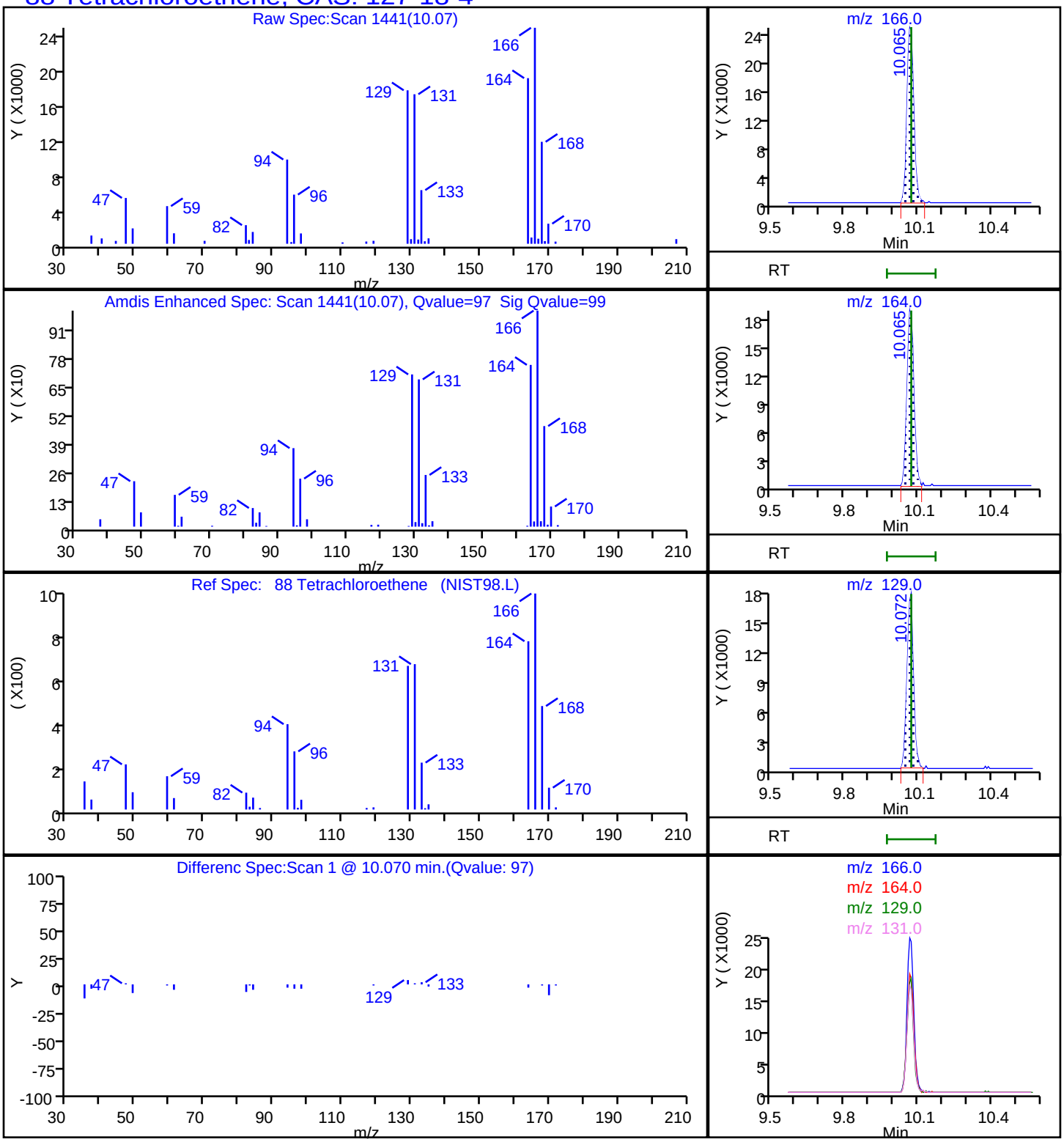
43 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X19.D				
Injection Date:	26-Mar-2024 02:01:30	Instrument ID:	10193		
Lims ID:	410-164764-A-3	Lab Sample ID:	410-164764-3		
Client ID:	HD-COD-SW-8-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

88 Tetrachloroethene, CAS: 127-18-4



Report Date: 26-Mar-2024 13:33:13 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X19.D

Injection Date: 26-Mar-2024 02:01:30 Instrument ID: 10193

Lims ID: 410-164764-A-3 Lab Sample ID: 410-164764-3

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

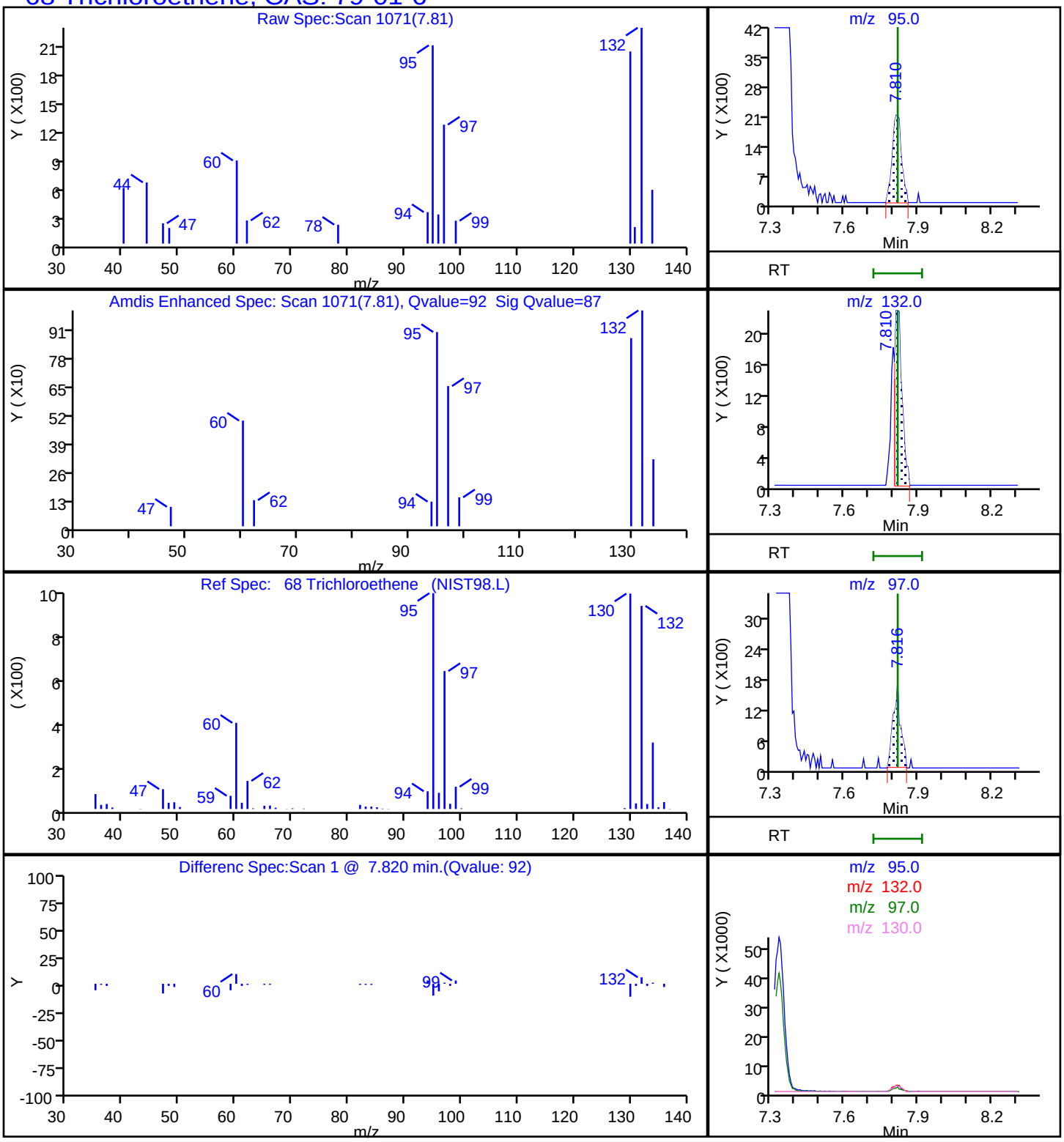
Operator ID: gaw91131 ALS Bottle#: 19 Worklist Smp#: 20

Purge Vol: 25.000 mL Dil. Factor: 1.0000

Method: MSV_10193_25mL Limit Group: MSV - 8260C_D

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

68 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

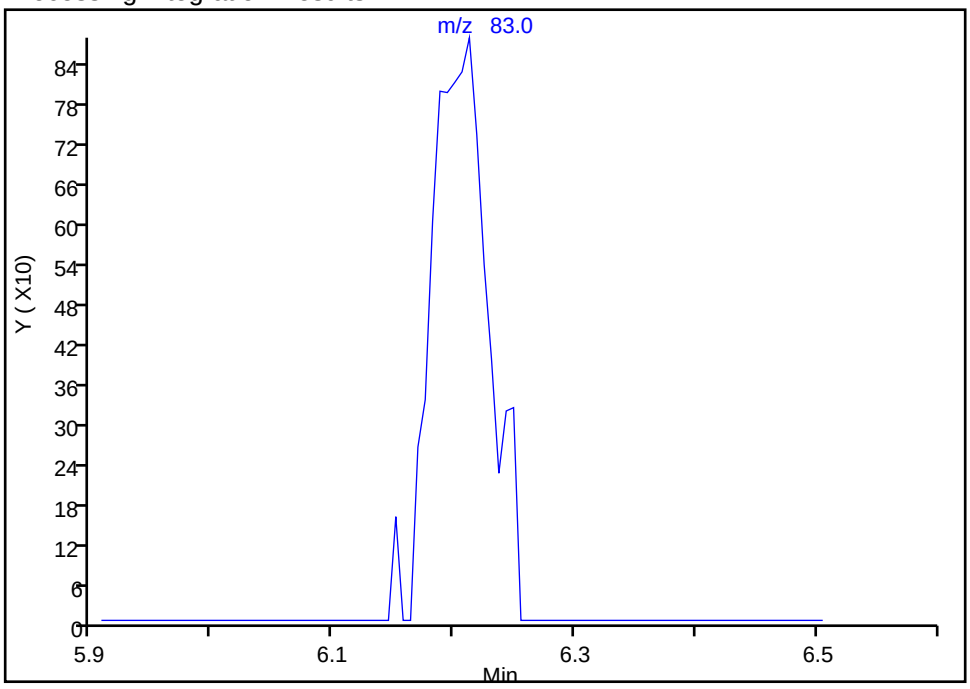
Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X19.D				
Injection Date:	26-Mar-2024 02:01:30	Instrument ID:	10193		
Lims ID:	410-164764-A-3	Lab Sample ID:	410-164764-3		
Client ID:	HD-COD-SW-8-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

50 Chloroform, CAS: 67-66-3

Signal: 1

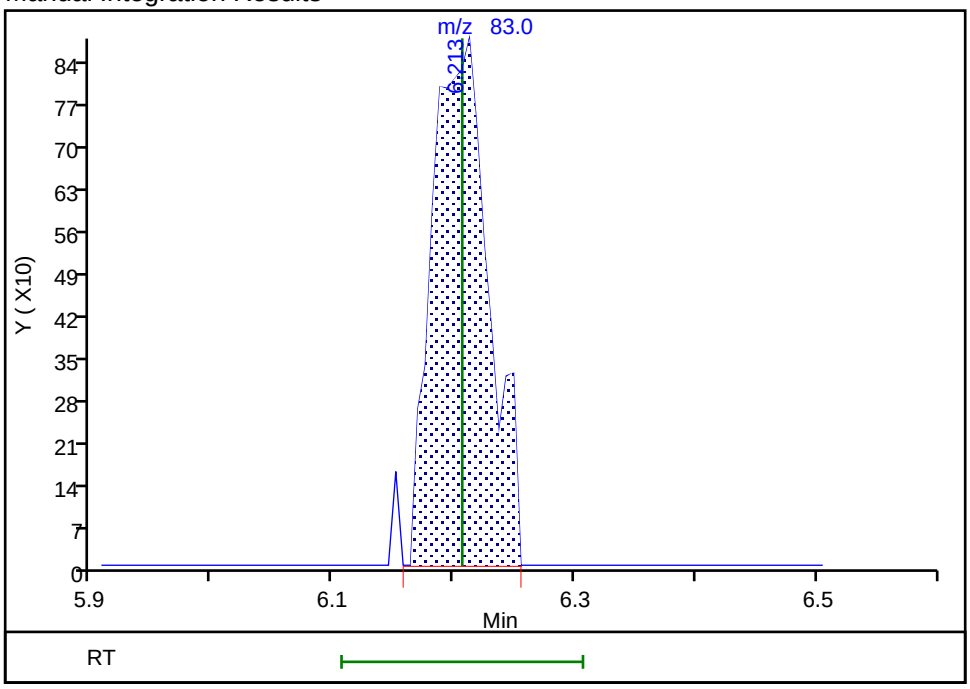
Not Detected
Expected RT: 6.21

Processing Integration Results



Manual Integration Results

RT: 6.21
Area: 2839
Amount: 0.031692
Amount Units: ug/l



Reviewer: FQ4L, 26-Mar-2024 13:32:20 07:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

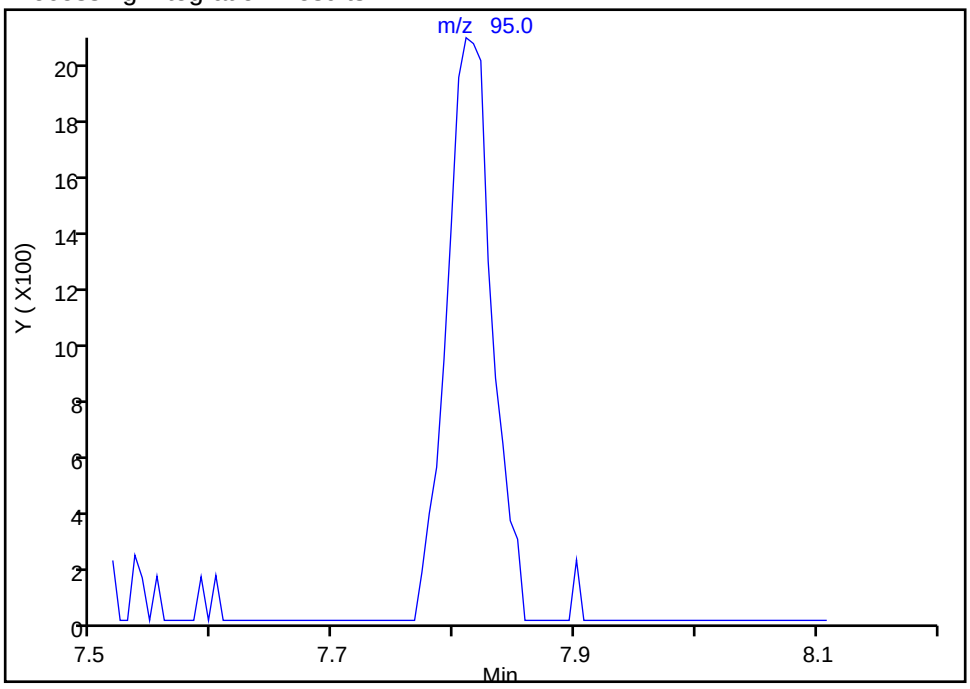
Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X19.D				
Injection Date:	26-Mar-2024 02:01:30	Instrument ID:	10193		
Lims ID:	410-164764-A-3	Lab Sample ID:	410-164764-3		
Client ID:	HD-COD-SW-8-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6

Signal: 1

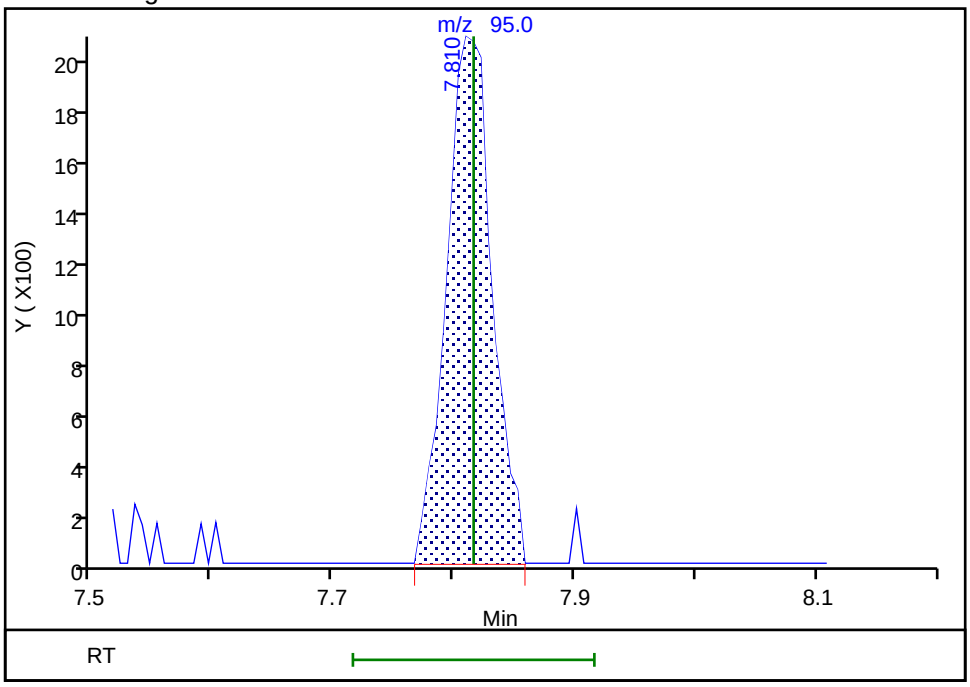
Not Detected
Expected RT: 7.82

Processing Integration Results



Manual Integration Results

RT: 7.81
Area: 5469
Amount: 0.103087
Amount Units: ug/l



Reviewer: FQ4L, 26-Mar-2024 13:32:51 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-9-0/1-0
Lab Sample ID: 410-164764-4

Matrix: Water
Lab File ID: CM25X20.D

Analysis Method: 8260D
Date Collected: 03/20/2024 11:20

Sample wt/vol: 25(mL)
Date Analyzed: 03/26/2024 02:23

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 486836
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	1.7	J ^c cn	5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	0.13	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.27	J	0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-9-0/1-0
Lab Sample ID: 410-164764-4

Matrix: Water
Lab File ID: CM25X20.D

Analysis Method: 8260D
Date Collected: 03/20/2024 11:20

Sample wt/vol: 25(mL)
Date Analyzed: 03/26/2024 02:23

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 486836
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	0.093	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		80-120
460-00-4	4-Bromofluorobenzene (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	112		80-120
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X20.D
Lims ID: 410-164764-A-4
Client ID: HD-COD-SW-9-0/1-0
Sample Type: Client
Inject. Date: 26-Mar-2024 02:23:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109513-021
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Mar-2024 13:46:14 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: FQ4L Date: 26-Mar-2024 13:46:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.000	2.000	0.000	99	9557	0.1319	
6 Vinyl chloride	62		2.104				ND	
9 Bromomethane	94		2.402				ND	7
10 Chloroethane	64		2.470				ND	
18 1,1-Dichloroethene	96		3.232				ND	7
20 Acetone	43	3.262	3.262	0.000	96	13079	1.69	
25 Carbon disulfide	76		3.494				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.847	3.829	0.018	92	148225	50.0	
30 Methylene Chloride	84		3.835				ND	7
34 Methyl tert-butyl ether	73		4.195				ND	
35 trans-1,2-Dichloroethene	96		4.201				ND	
37 1,1-Dichloroethane	63		4.865				ND	7
42 2-Butanone (MEK)	43		5.682				ND	7
43 cis-1,2-Dichloroethene	96	5.707	5.713	-0.006	78	3671	0.0674	
48 Chlorobromomethane	128		6.042				ND	
50 Chloroform	83	6.200	6.207	-0.007	92	6133	0.0681	a
$ 54 Dibromofluoromethane (Surr)	113	6.426	6.426	0.000	94	453106	11.2	
53 1,1,1-Trichloroethane	97		6.432				ND	
56 Carbon tetrachloride	117		6.639				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.883	6.883	0.000	99	96392	11.7	
60 Benzene	78		6.914				ND	7
61 1,2-Dichloroethane	62		6.987				ND	
* 65 Fluorobenzene (IS)	96	7.328	7.328	0.000	99	1817779	10.0	
68 Trichloroethene	95	7.816	7.816	0.000	85	4975	0.0933	
70 1,2-Dichloropropane	63		8.157				ND	
76 Dichlorobromomethane	83		8.517				ND	7
80 cis-1,3-Dichloropropene	75		9.084				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.291				ND	7
$ 83 Toluene-d8 (Surr)	98	9.413	9.413	0.000	93	1878934	10.3	
84 Toluene	92	9.492	9.493	-0.001	98	9130	0.0656	
85 trans-1,3-Dichloropropene	75		9.779				ND	
87 1,1,2-Trichloroethane	97		9.992				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166	10.065	10.072	-0.007	96	17219	0.2681	
106 2-Hexanone	43		10.224				ND	7
108 Chlorodibromomethane	129		10.377				ND	7
110 Ethylene Dibromide	107		10.486				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.943	10.943	0.000	85	1447504	10.0	
113 Chlorobenzene	112		10.974				ND	
114 1,1,1,2-Tetrachloroethane	131		11.059				ND	
115 Ethylbenzene	91		11.065				ND	7
116 m-Xylene & p-Xylene	106		11.187				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.523				ND	7
119 Styrene	104		11.541				ND	7
120 Bromoform	173		11.693				ND	7
$ 124 4-Bromofluorobenzene (Surr)	95	11.980	11.980	0.000	94	658322	8.96	
126 1,1,2,2-Tetrachloroethane	83		12.096				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	838193	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00085 Amount Added: 1.00 Units: uL Run Reagent

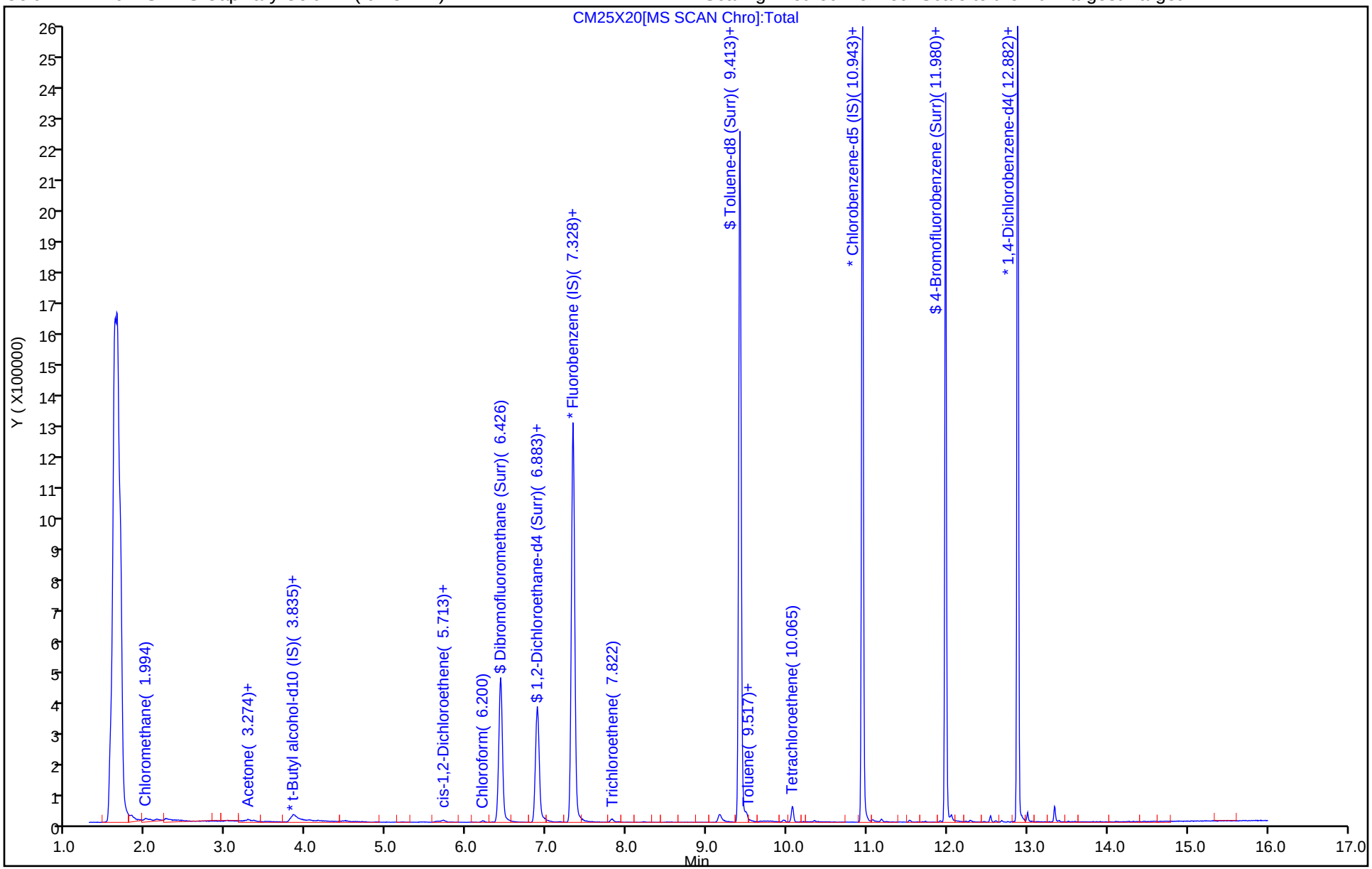
Report Date: 26-Mar-2024 13:46:14 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X20.D

Injection Date:	26-Mar-2024 02:23:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	410-164764-A-4	Lab Sample ID:	410-164764-4	Worklist Smp#:	21
Client ID:	HD-COD-SW-9-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X20.D				
Lims ID:	410-164764-A-4				
Client ID:	HD-COD-SW-9-0/1-0				
Sample Type:	Client				
Inject. Date:	26-Mar-2024 02:23:30	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0109513-021				
Operator ID:	gaw91131	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	26-Mar-2024 13:46:14	Calib Date:	11-Dec-2023 23:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1660				

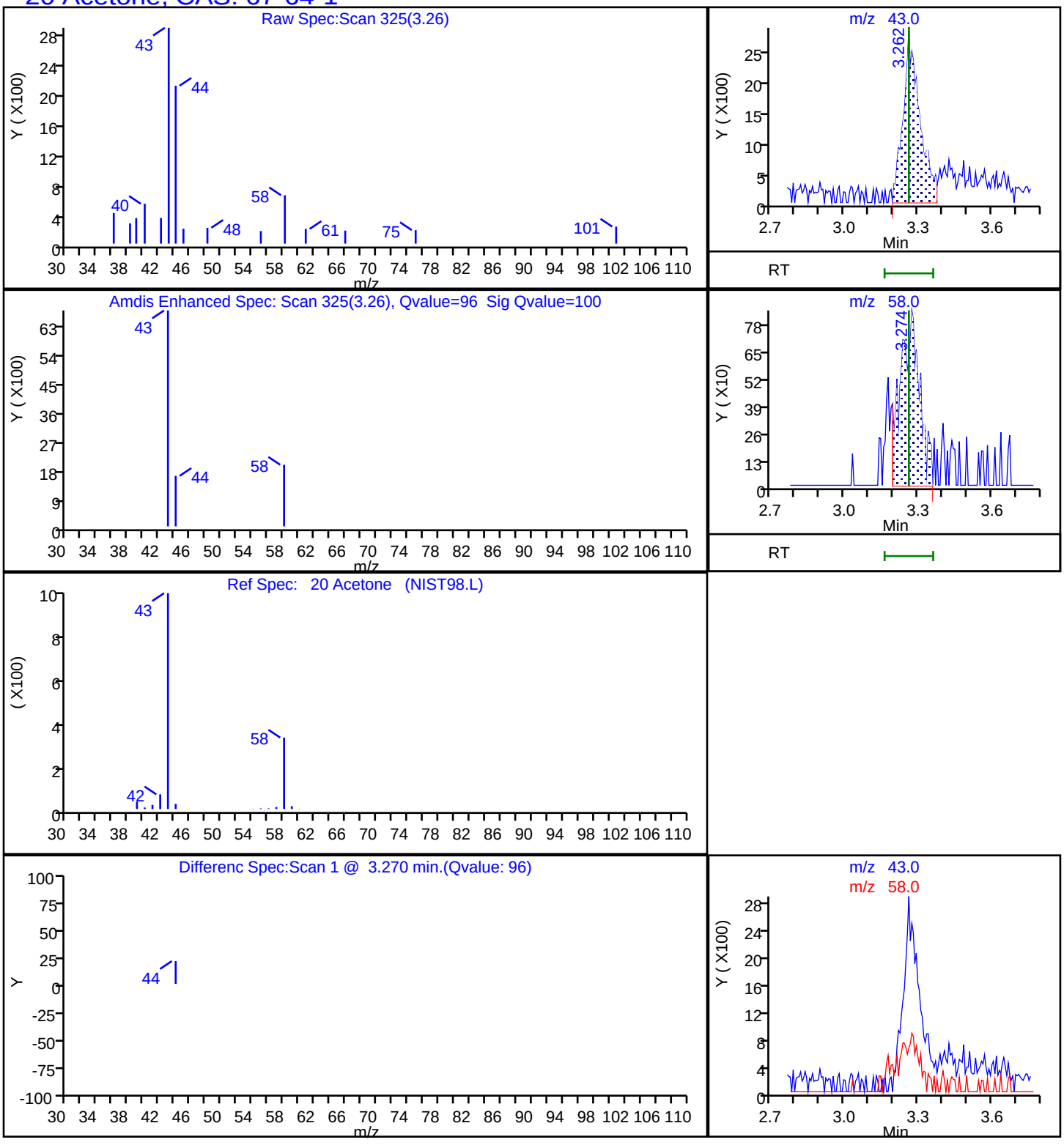
First Level Reviewer: FQ4L Date: 26-Mar-2024 13:46:14

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.2	111.76
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	11.7	117.48
$ 83 Toluene-d8 (Surr)	10.0	10.3	102.69
$ 124 4-Bromofluorobenzene (Surr)	10.0	8.96	89.59

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X20.D				
Injection Date:	26-Mar-2024 02:23:30	Instrument ID:	10193		
Lims ID:	410-164764-A-4	Lab Sample ID:	410-164764-4		
Client ID:	HD-COD-SW-9-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

20 Acetone, CAS: 67-64-1

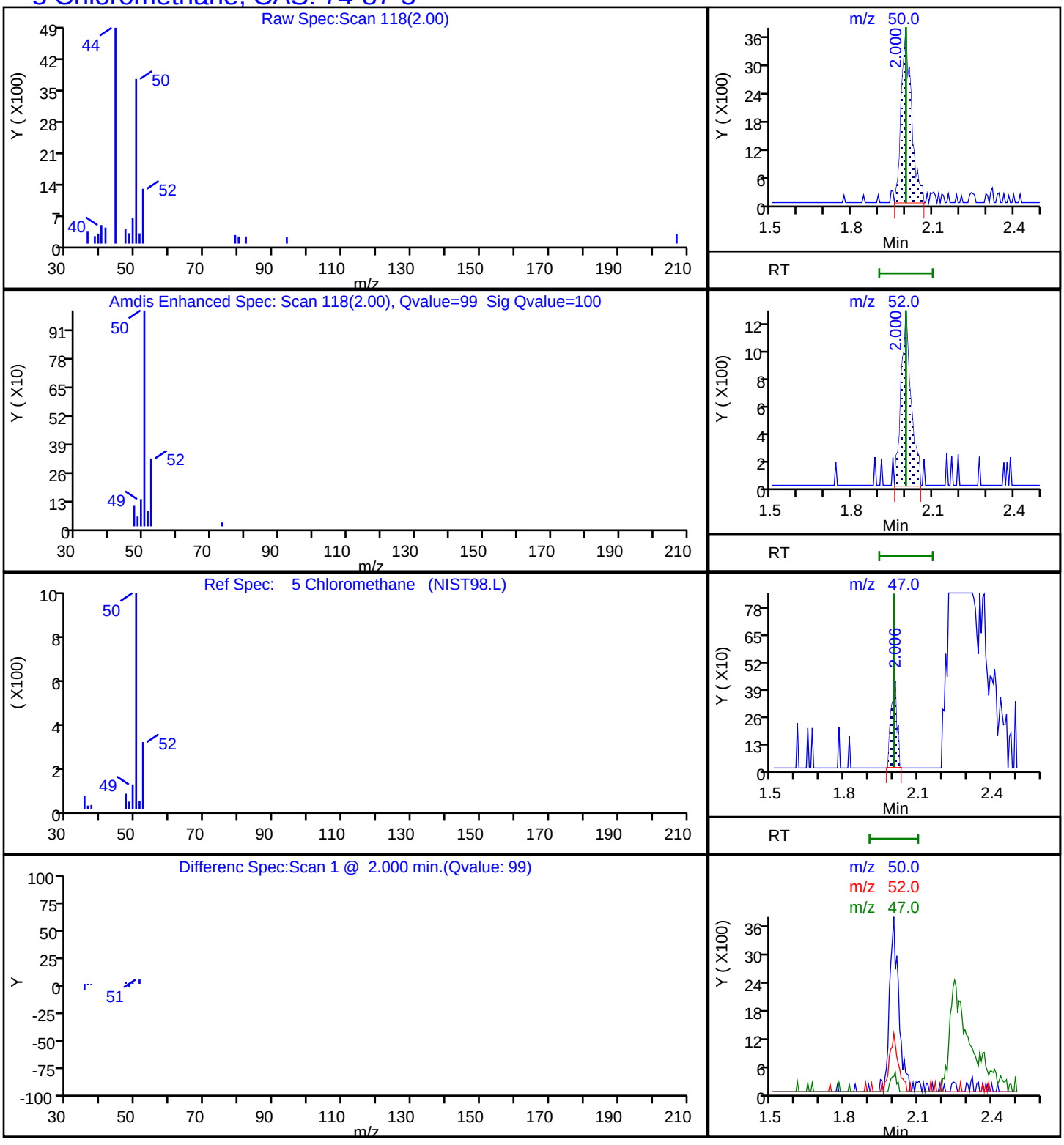


Report Date: 26-Mar-2024 13:46:14 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X20.D				
Injection Date:	26-Mar-2024 02:23:30	Instrument ID:	10193		
Lims ID:	410-164764-A-4	Lab Sample ID:	410-164764-4		
Client ID:	HD-COD-SW-9-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

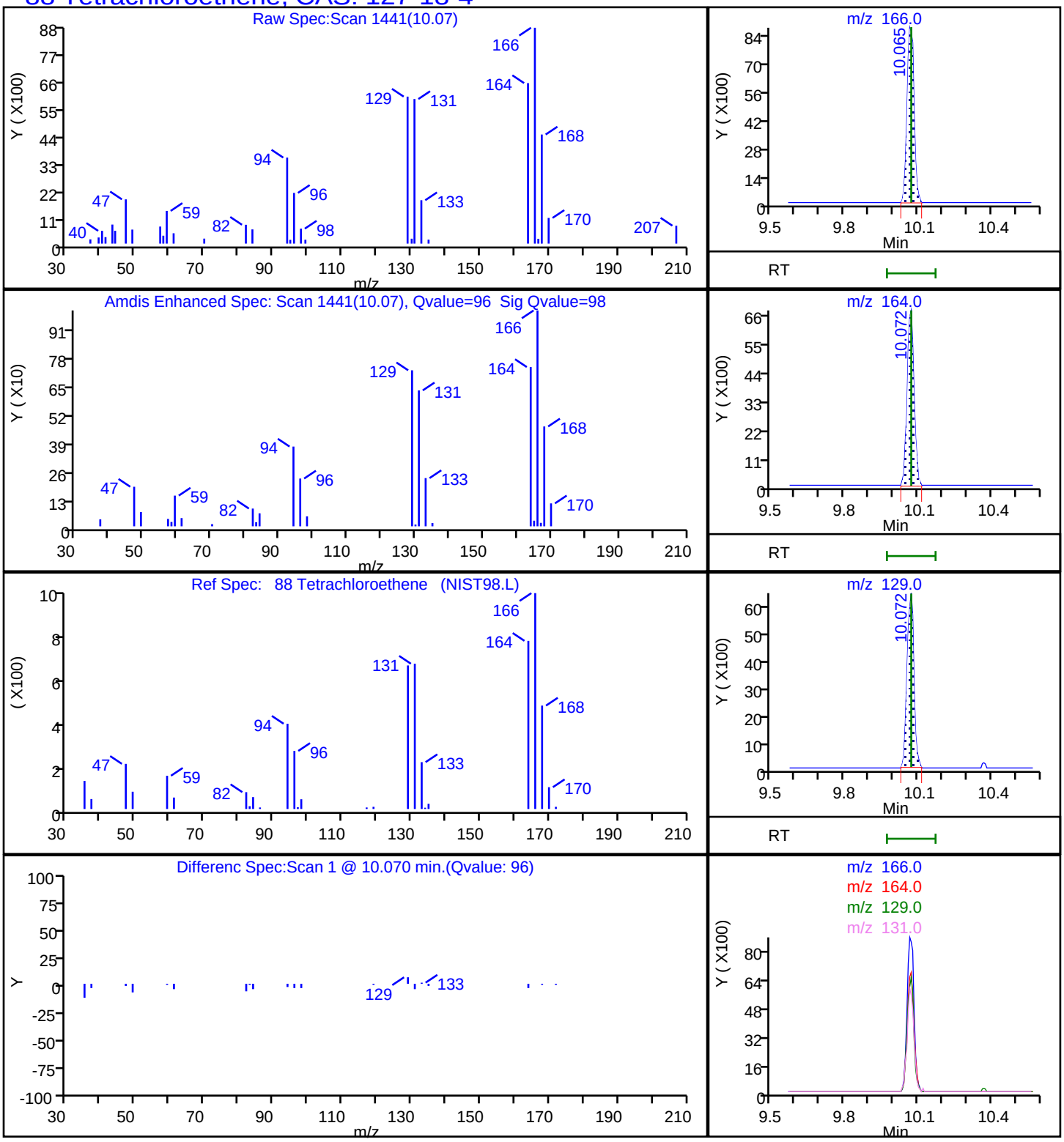
5 Chloromethane, CAS: 74-87-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X20.D				
Injection Date:	26-Mar-2024 02:23:30	Instrument ID:	10193		
Lims ID:	410-164764-A-4	Lab Sample ID:	410-164764-4		
Client ID:	HD-COD-SW-9-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

88 Tetrachloroethene, CAS: 127-18-4

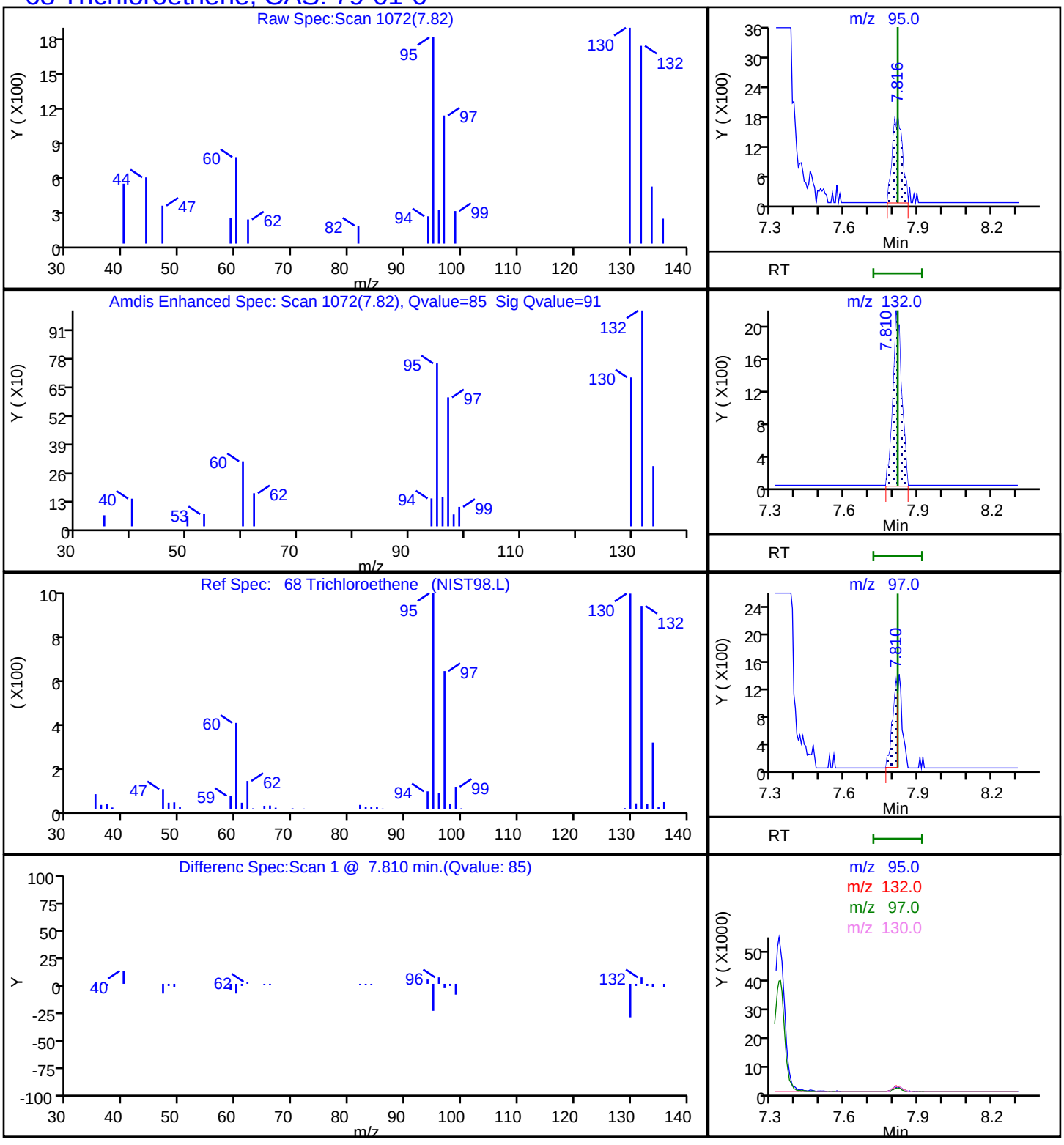


Report Date: 26-Mar-2024 13:46:14 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X20.D				
Injection Date:	26-Mar-2024 02:23:30	Instrument ID:	10193		
Lims ID:	410-164764-A-4	Lab Sample ID:	410-164764-4		
Client ID:	HD-COD-SW-9-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

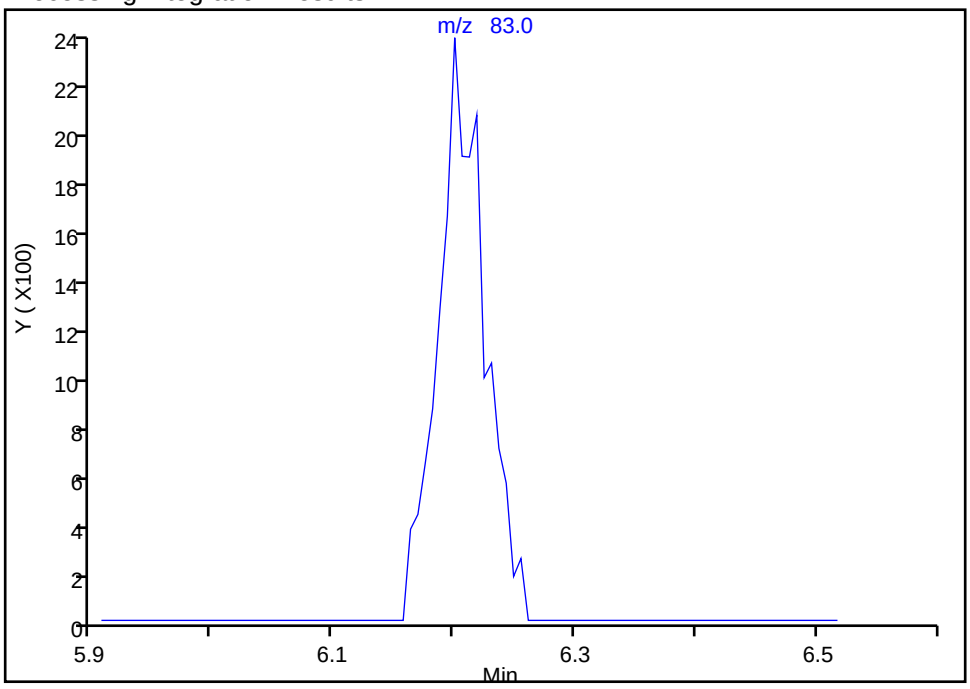
Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X20.D				
Injection Date:	26-Mar-2024 02:23:30	Instrument ID:	10193		
Lims ID:	410-164764-A-4	Lab Sample ID:	410-164764-4		
Client ID:	HD-COD-SW-9-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

50 Chloroform, CAS: 67-66-3

Signal: 1

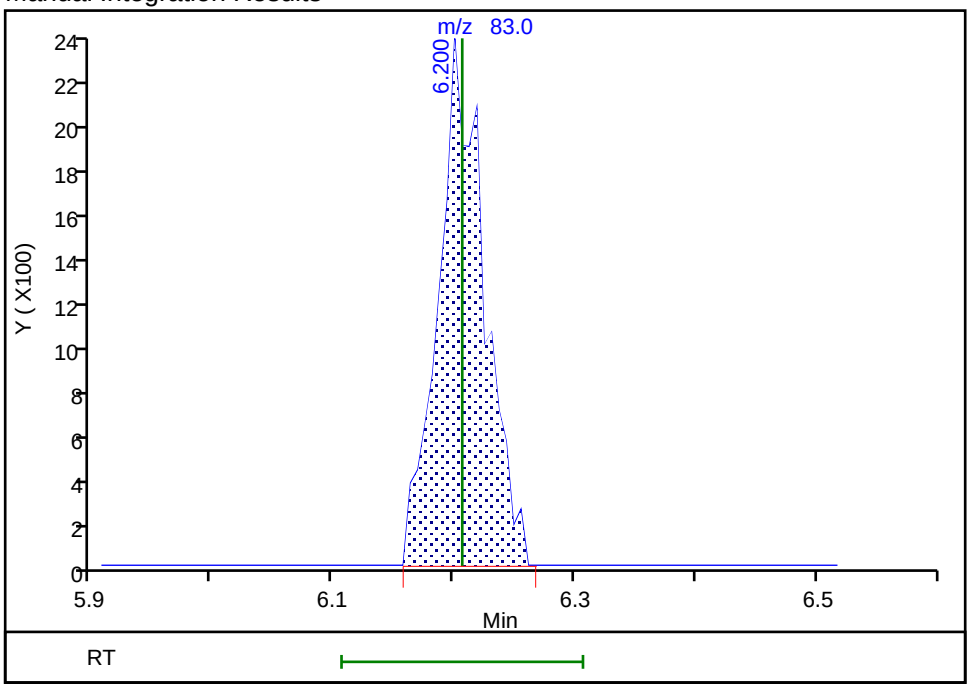
Not Detected
Expected RT: 6.21

Processing Integration Results



Manual Integration Results

RT: 6.20
Area: 6133
Amount: 0.068100
Amount Units: ug/l



Reviewer: FQ4L, 26-Mar-2024 13:46:00 07:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-13-0/1-0
Lab Sample ID: 410-164764-5

Matrix: Water
Lab File ID: CM25X21.D

Analysis Method: 8260D
Date Collected: 03/20/2024 08:17

Sample wt/vol: 25(mL)
Date Analyzed: 03/26/2024 02:45

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 486836
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	1.5	J ^c cn	5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	0.16	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.84		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-13-0/1-0
Lab Sample ID: 410-164764-5

Matrix: Water
Lab File ID: CM25X21.D

Analysis Method: 8260D
Date Collected: 03/20/2024 08:17

Sample wt/vol: 25(mL)
Date Analyzed: 03/26/2024 02:45

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 486836
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	0.099	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		80-120
460-00-4	4-Bromofluorobenzene (Surr)	88		80-120
1868-53-7	Dibromofluoromethane (Surr)	111		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X21.D
Lims ID: 410-164764-A-5
Client ID: HD-COD-SW-13-0/1-0
Sample Type: Client
Inject. Date: 26-Mar-2024 02:45:30 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109513-022
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Mar-2024 14:16:35 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: FQ4L Date: 26-Mar-2024 14:16:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.000	2.000	0.000	99	11736	0.1639	
6 Vinyl chloride	62		2.104				ND	7
9 Bromomethane	94		2.402				ND	7
10 Chloroethane	64		2.470				ND	
18 1,1-Dichloroethene	96		3.232				ND	7
20 Acetone	43	3.268	3.262	0.006	97	9318	1.49	
25 Carbon disulfide	76		3.494				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.847	3.829	0.018	95	119181	50.0	
30 Methylene Chloride	84		3.835				ND	7
34 Methyl tert-butyl ether	73		4.195				ND	7
35 trans-1,2-Dichloroethene	96		4.201				ND	
37 1,1-Dichloroethane	63		4.865				ND	7
42 2-Butanone (MEK)	43		5.682				ND	7
43 cis-1,2-Dichloroethene	96	5.713	5.713	0.000	78	4093	0.0760	a
48 Chlorobromomethane	128		6.042				ND	
50 Chloroform	83	6.207	6.207	0.000	90	3217	0.0361	
$ 54 Dibromofluoromethane (Surr)	113	6.426	6.426	0.000	94	446374	11.1	
53 1,1,1-Trichloroethane	97	6.426	6.432	-0.006	43	4046	0.0547	
56 Carbon tetrachloride	117		6.639				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.889	6.883	0.006	99	95623	11.8	
60 Benzene	78		6.914				ND	7
61 1,2-Dichloroethane	62		6.987				ND	
* 65 Fluorobenzene (IS)	96	7.334	7.328	0.006	99	1796476	10.0	
68 Trichloroethene	95	7.810	7.816	-0.006	96	5238	0.0994	Ma
70 1,2-Dichloropropane	63		8.157				ND	
76 Dichlorobromomethane	83		8.517				ND	7
80 cis-1,3-Dichloropropene	75		9.084				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.291				ND	7
$ 83 Toluene-d8 (Surr)	98	9.413	9.413	0.000	93	1842083	10.2	
84 Toluene	92	9.499	9.493	0.006	95	5685	0.0414	
85 trans-1,3-Dichloropropene	75		9.779				ND	
87 1,1,2-Trichloroethane	97		9.992				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166	10.072	10.072	0.000	97	53193	0.8391	
106 2-Hexanone	43		10.224				ND	7
108 Chlorodibromomethane	129		10.377				ND	
110 Ethylene Dibromide	107		10.486				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.943	10.943	0.000	85	1428999	10.0	
113 Chlorobenzene	112		10.974				ND	
114 1,1,1,2-Tetrachloroethane	131		11.059				ND	
115 Ethylbenzene	91		11.065				ND	7
116 m-Xylene & p-Xylene	106		11.187				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.523				ND	7
119 Styrene	104		11.541				ND	7
120 Bromoform	173		11.693				ND	7
$ 124 4-Bromofluorobenzene (Surr)	95	11.980	11.980	0.000	97	639779	8.82	
126 1,1,2,2-Tetrachloroethane	83		12.096				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	807435	10.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00085 Amount Added: 1.00 Units: uL Run Reagent

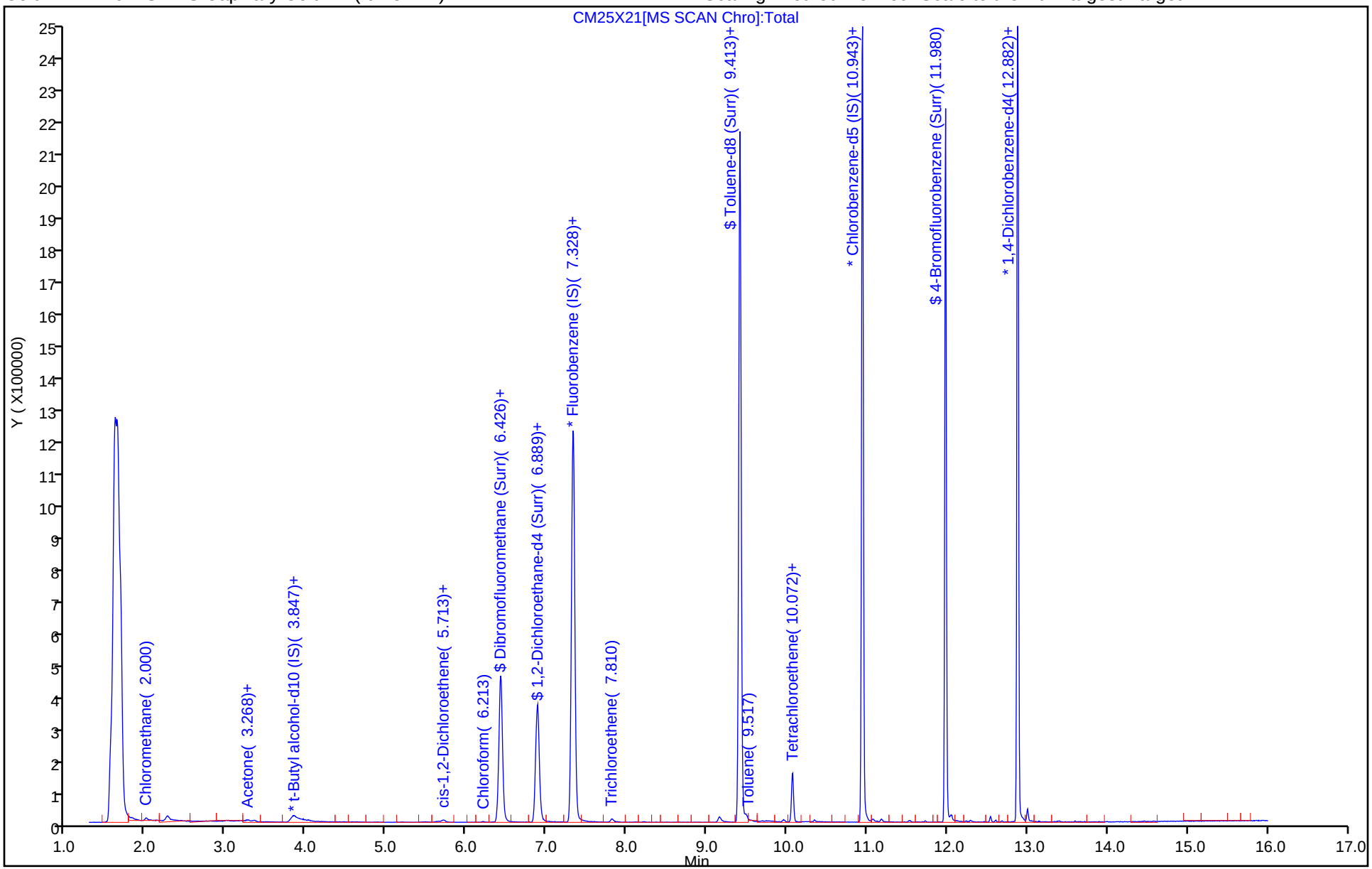
Report Date: 26-Mar-2024 14:16:36 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X21.D

Injection Date:	26-Mar-2024 02:45:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	410-164764-A-5	Lab Sample ID:	410-164764-5	Worklist Smp#:	22
Client ID:	HD-COD-SW-13-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X21.D				
Lims ID:	410-164764-A-5				
Client ID:	HD-COD-SW-13-0/1-0				
Sample Type:	Client				
Inject. Date:	26-Mar-2024 02:45:30	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0109513-022				
Operator ID:	gaw91131	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	26-Mar-2024 14:16:35	Calib Date:	11-Dec-2023 23:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1660				

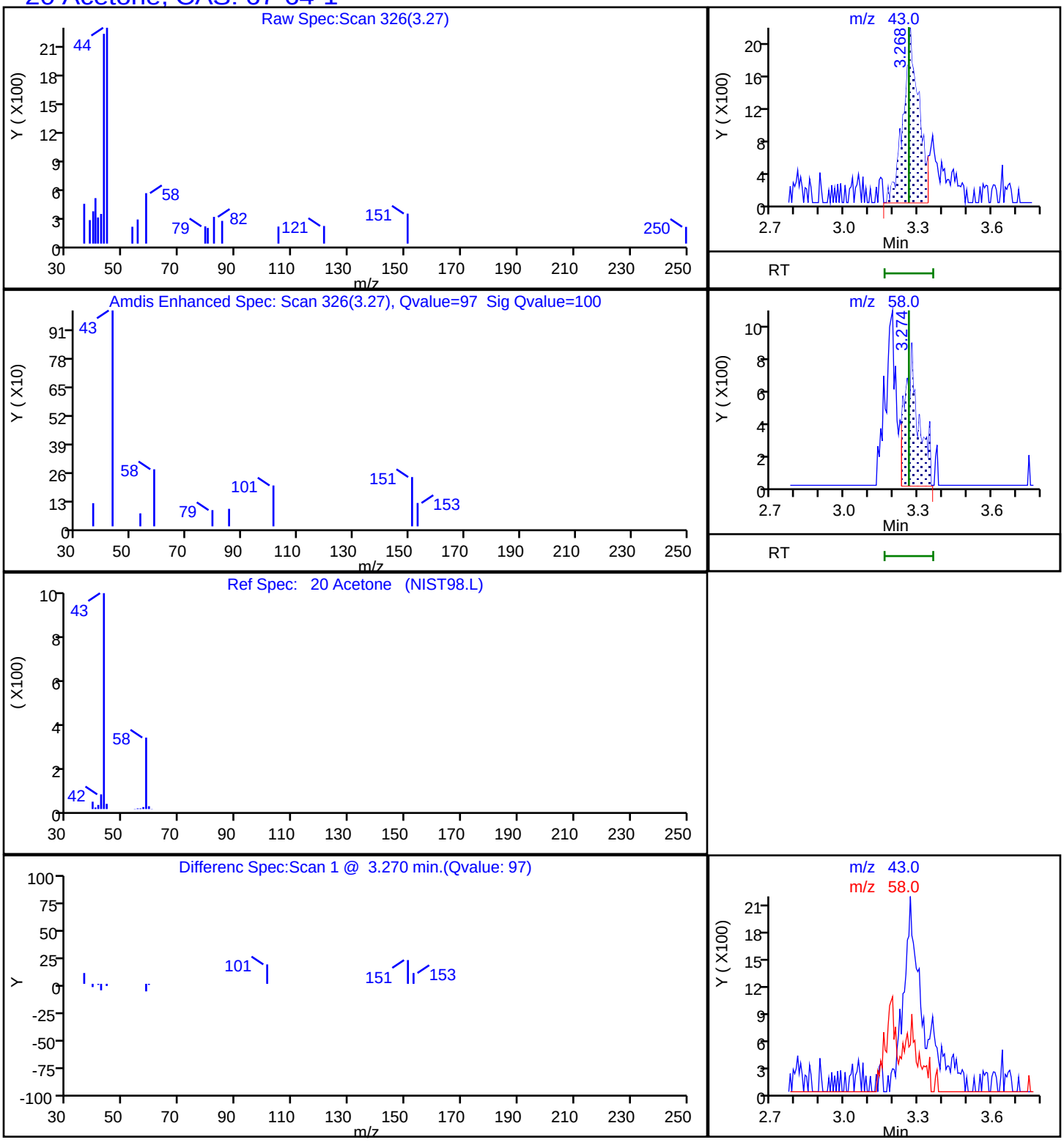
First Level Reviewer: FQ4L Date: 26-Mar-2024 14:16:35

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.1	111.41
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	11.8	117.92
$ 83 Toluene-d8 (Surr)	10.0	10.2	101.98
$ 124 4-Bromofluorobenzene (Surr)	10.0	8.82	88.19

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X21.D				
Injection Date:	26-Mar-2024 02:45:30	Instrument ID:	10193		
Lims ID:	410-164764-A-5	Lab Sample ID:	410-164764-5		
Client ID:	HD-COD-SW-13-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

20 Acetone, CAS: 67-64-1

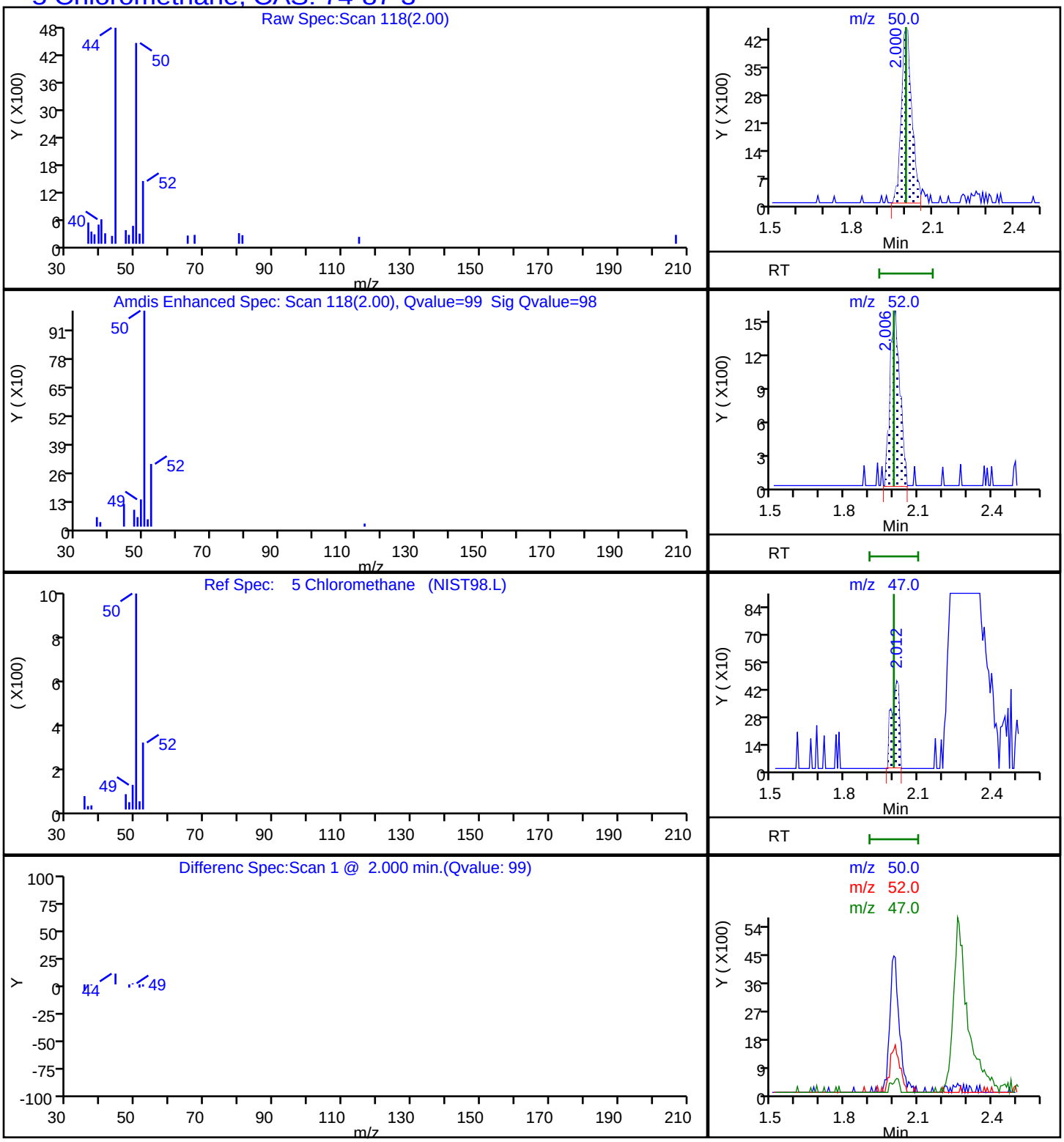


Report Date: 26-Mar-2024 14:16:36 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X21.D				
Injection Date:	26-Mar-2024 02:45:30	Instrument ID:	10193		
Lims ID:	410-164764-A-5	Lab Sample ID:	410-164764-5		
Client ID:	HD-COD-SW-13-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

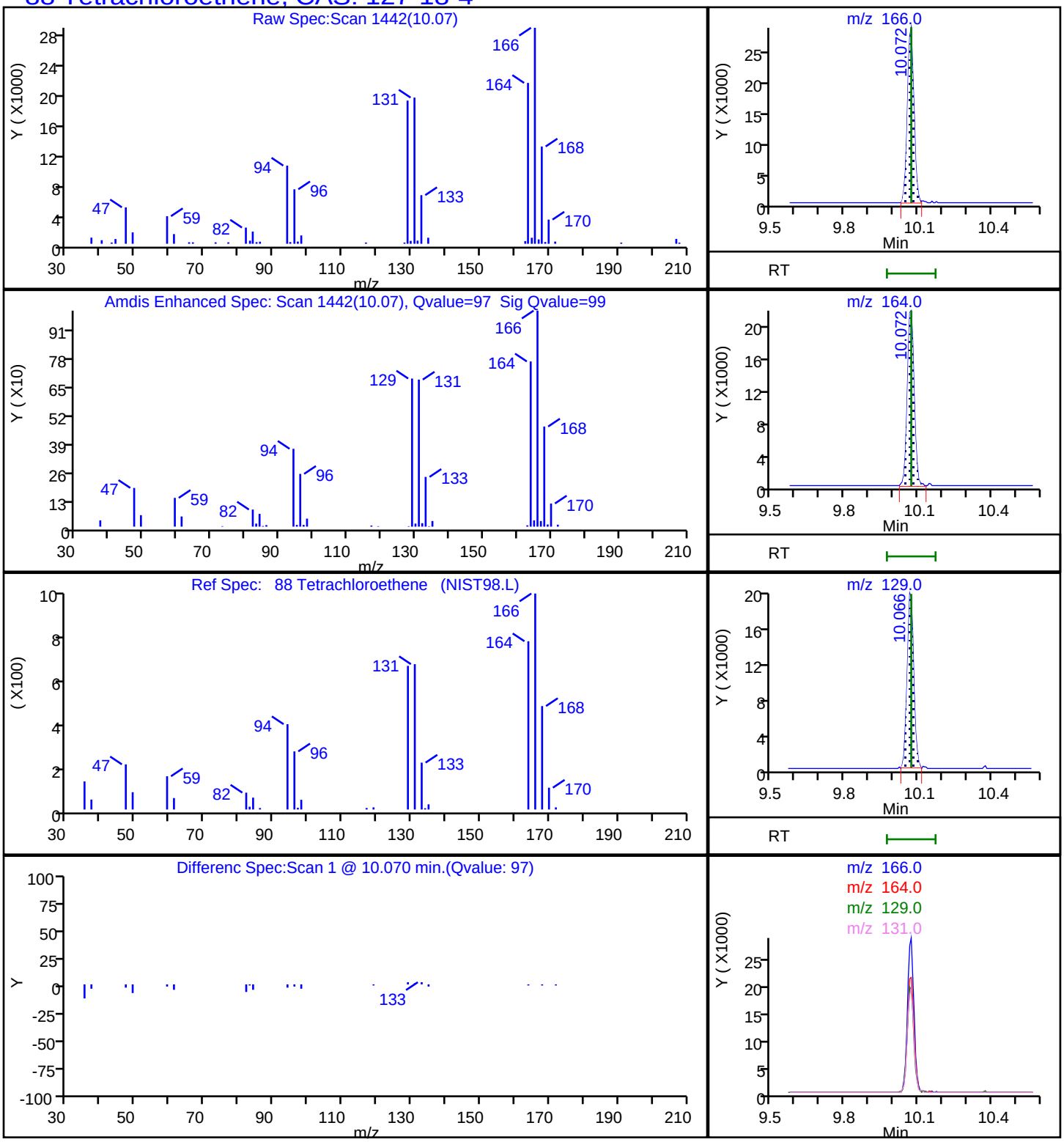
5 Chloromethane, CAS: 74-87-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X21.D				
Injection Date:	26-Mar-2024 02:45:30	Instrument ID:	10193		
Lims ID:	410-164764-A-5	Lab Sample ID:	410-164764-5		
Client ID:	HD-COD-SW-13-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

88 Tetrachloroethene, CAS: 127-18-4

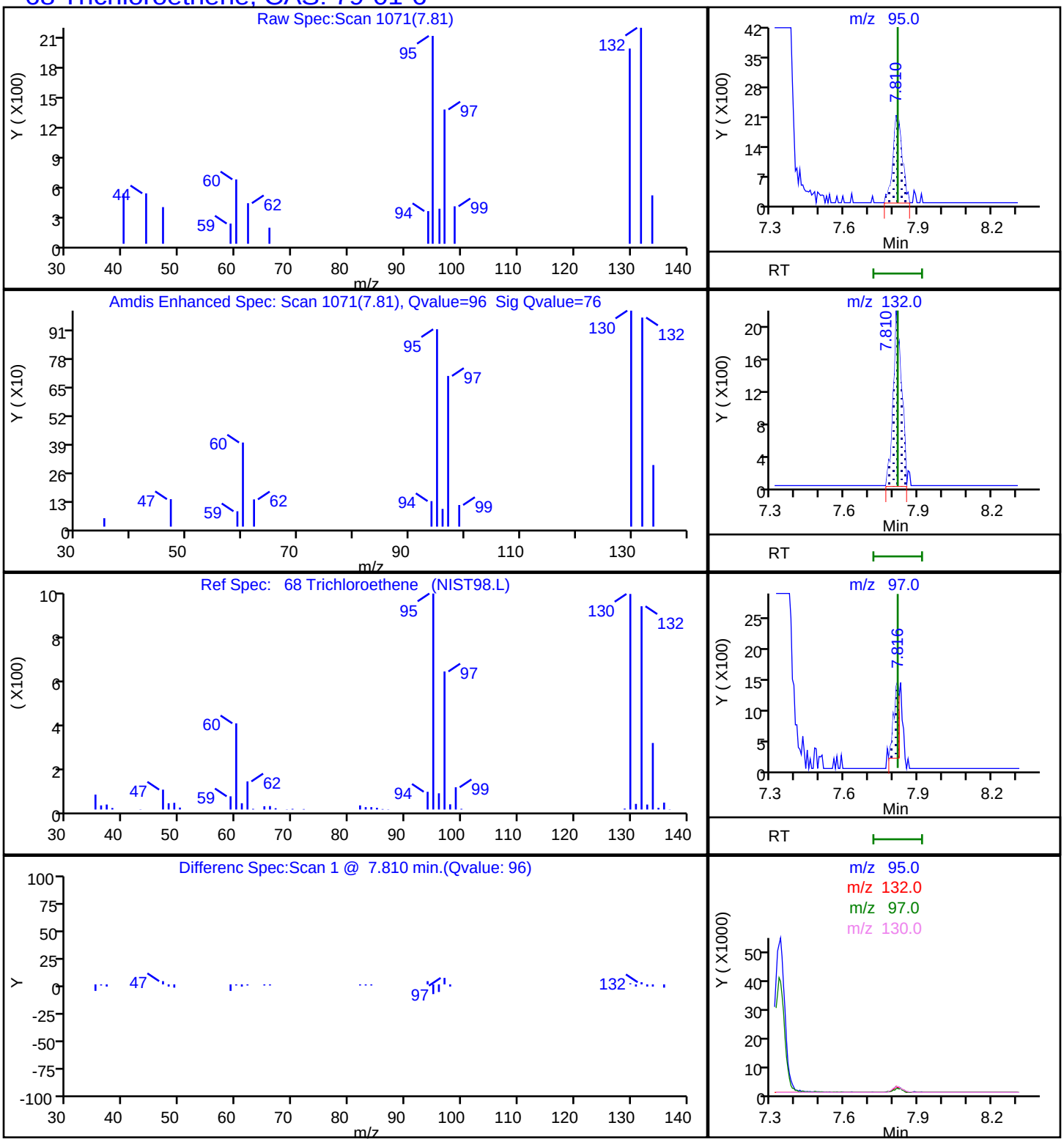


Report Date: 26-Mar-2024 14:16:36 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X21.D				
Injection Date:	26-Mar-2024 02:45:30	Instrument ID:	10193		
Lims ID:	410-164764-A-5	Lab Sample ID:	410-164764-5		
Client ID:	HD-COD-SW-13-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

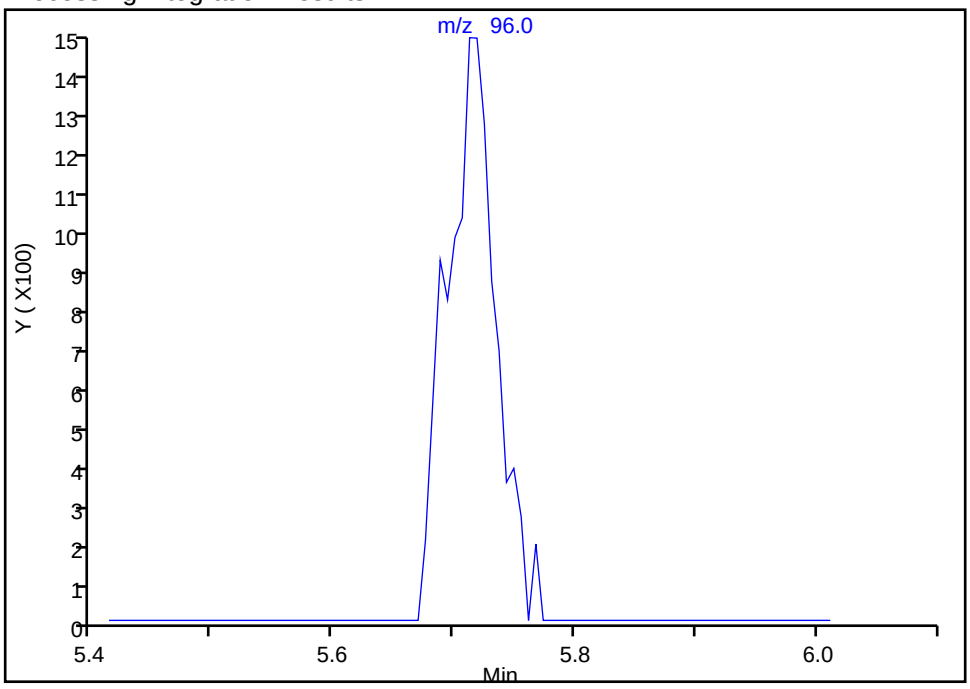
Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X21.D				
Injection Date:	26-Mar-2024 02:45:30	Instrument ID:	10193		
Lims ID:	410-164764-A-5	Lab Sample ID:	410-164764-5		
Client ID:	HD-COD-SW-13-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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

Signal: 1

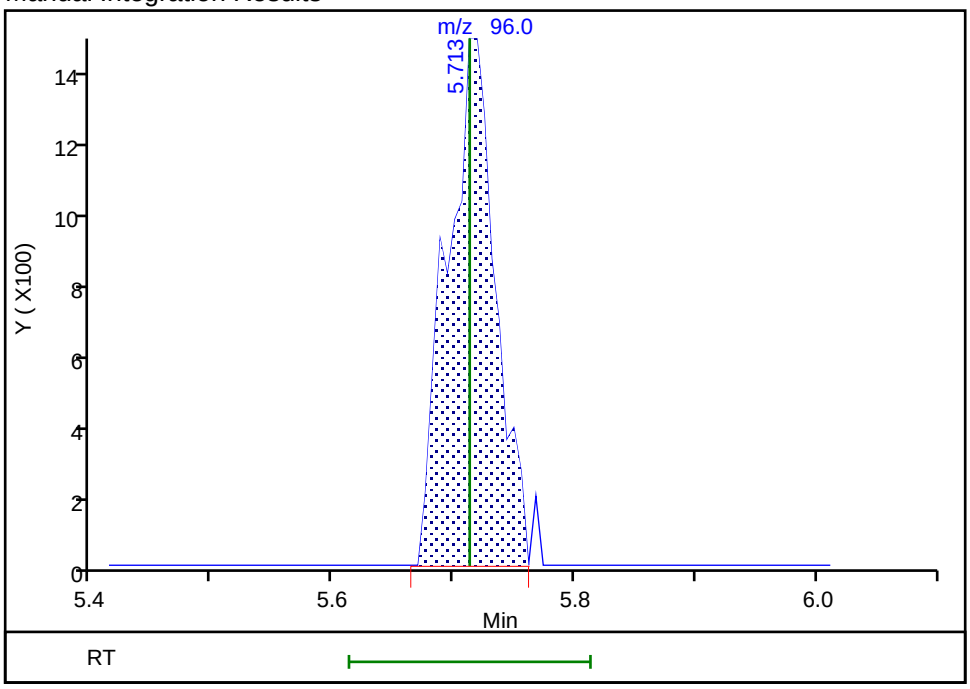
Not Detected
Expected RT: 5.71

Processing Integration Results



Manual Integration Results

RT: 5.71
Area: 4093
Amount: 0.076038
Amount Units: ug/l



Reviewer: FQ4L, 26-Mar-2024 14:15:55 07:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

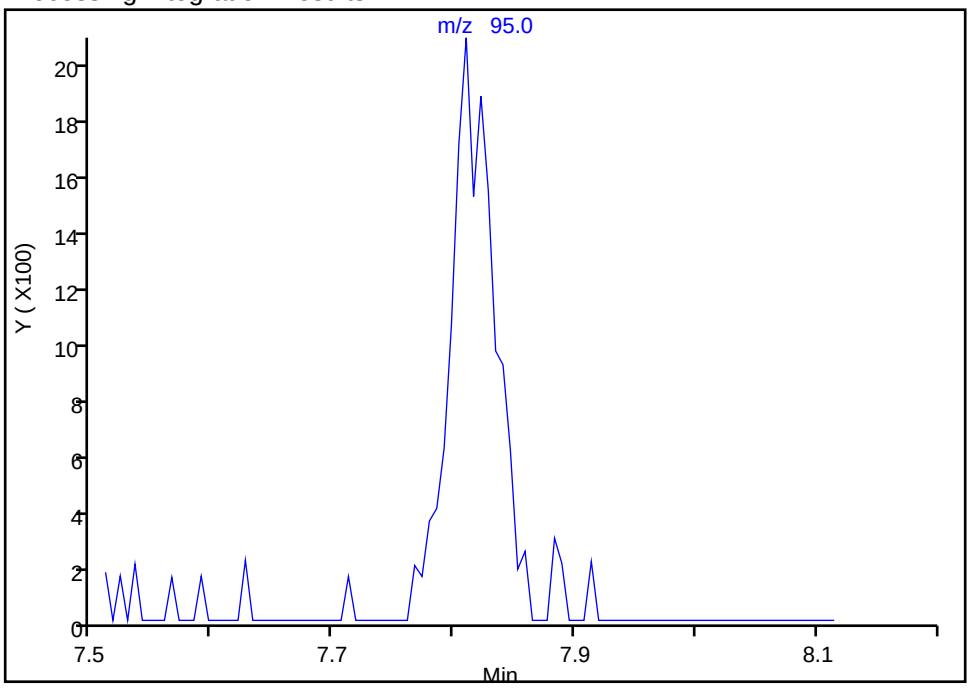
Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X21.D				
Injection Date:	26-Mar-2024 02:45:30	Instrument ID:	10193		
Lims ID:	410-164764-A-5	Lab Sample ID:	410-164764-5		
Client ID:	HD-COD-SW-13-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6

Signal: 1

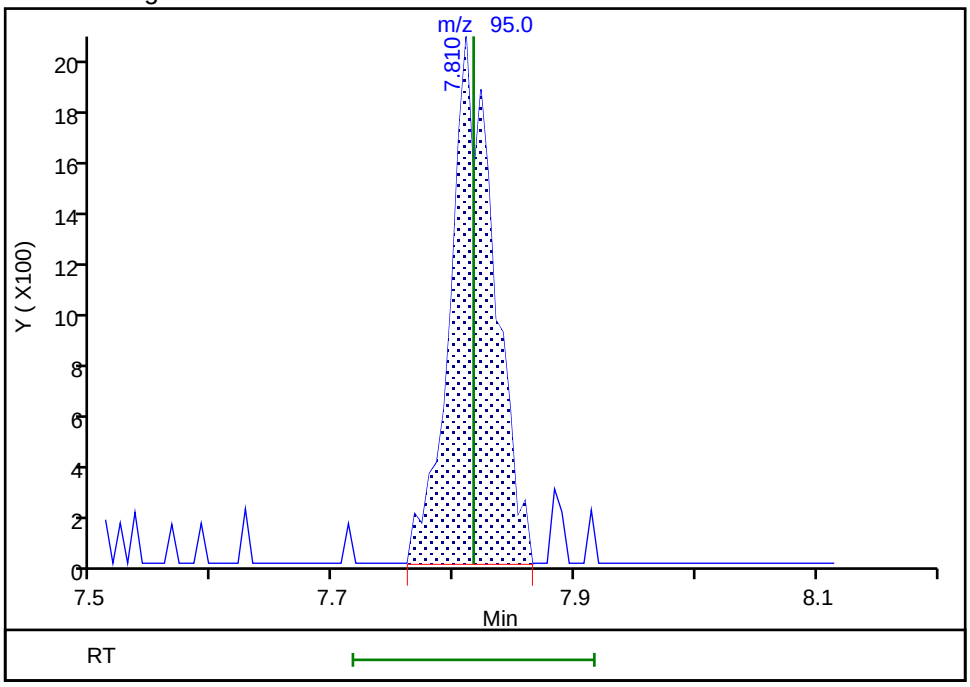
Not Detected
Expected RT: 7.82

Processing Integration Results



Manual Integration Results

RT: 7.81
Area: 5238
Amount: 0.099373
Amount Units: ug/l



Reviewer: FQ4L, 26-Mar-2024 14:16:16 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0
Lab Sample ID: 410-164764-6

Matrix: Water
Lab File ID: CM25X13.D

Analysis Method: 8260D
Date Collected: 03/20/2024 10:32

Sample wt/vol: 25(mL)
Date Analyzed: 03/25/2024 23:47

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 486836
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	0.39	J	0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	0.15	J FH	0.50	0.10
75-35-4	1,1-Dichloroethene	0.22	J	0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND	FH	0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND	^c cn	5.0	1.0
71-43-2	Benzene	ND	FH	0.50	0.10
74-97-5	Bromochloromethane	ND	FH	0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND	FH	0.50	0.10
67-66-3	Chloroform	0.23	J	0.50	0.090
74-87-3	Chloromethane	ND	FH	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	1.3		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND	FH	0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	7.4	FH	0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0
Lab Sample ID: 410-164764-6

Matrix: Water
Lab File ID: CM25X13.D

Analysis Method: 8260D
Date Collected: 03/20/2024 10:32

Sample wt/vol: 25(mL)
Date Analyzed: 03/25/2024 23:47

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 486836
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND	FH	0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	1.5		0.50	0.080
75-01-4	Vinyl chloride	ND	FH	0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		80-120
460-00-4	4-Bromofluorobenzene (Surr)	88		80-120
1868-53-7	Dibromofluoromethane (Surr)	114		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X13.D
Lims ID: 410-164764-A-6
Client ID: HD-COD-SW-15-0/1-0
Sample Type: Client
Inject. Date: 25-Mar-2024 23:47:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109513-014
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Mar-2024 12:32:08 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: FQ4L Date: 26-Mar-2024 12:32:08

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	1 Chlorotrifluoroethene	116		1.787				ND	
	2 Dichlorodifluoromethane	85		1.823				ND	
	3 Chlorodifluoromethane	51		1.836				ND	U
	4 Dimethyl ether	45		1.884				ND	7
	5 Chloromethane	50	2.000	2.000	0.000	98	6687	0.0975	
	6 Vinyl chloride	62		2.104				ND	
	7 Butadiene	39		2.116				ND	7
	8 2-Chloro-1,1,1-Trifluoroethane	118		2.183				ND	
	9 Bromomethane	94		2.402				ND	7
	10 Chloroethane	64		2.470				ND	
	11 Dichlorofluoromethane	67		2.701				ND	7
	12 Trichlorofluoromethane	101		2.762				ND	
	13 Pentane	43		2.768				ND	U
T	15 Vinyl bromide TIC	106		2.830				ND	
	14 Ethyl ether	59		2.957				ND	
	16 1,2-Dichloro-1,1,2-trifluoroetha	67		3.055				ND	7
T	19 Ethanol TIC	45	3.067	3.099	-0.032	7	78	0.000453	
	17 Acrolein	56		3.110				ND	7
	18 1,1-Dichloroethene	96	3.238	3.232	0.006	99	8633	0.2248	
	20 Acetone	43	3.280	3.262	0.018	40	3889	0.6799	
T	167 Isopropyl alcohol TIC	45	3.311	3.276	0.035	7	58	0.000337	
	21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.280				ND	
	22 Iodomethane	142		3.408				ND	
	24 Isopropyl alcohol	45		3.421				ND	U
	23 Ethyl bromide	108		3.433				ND	
T	28 Acetonitrile TIC	41	3.433	3.477	-0.044	19	68	0.000395	
	25 Carbon disulfide	76		3.494				ND	7
	27 Acetonitrile	41		3.616				ND	7
	26 Methyl acetate	43		3.640				ND	
	29 3-Chloro-1-propene	41		3.658				ND	
*	31 t-Butyl alcohol-d10 (IS)	65	3.841	3.829	0.012	94	109273	50.0	
	30 Methylene Chloride	84		3.835				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59		3.957				ND	
33 Acrylonitrile	53		4.146				ND	
34 Methyl tert-butyl ether	73		4.195				ND	7
35 trans-1,2-Dichloroethene	96		4.201				ND	
36 Hexane	57		4.628				ND	
38 Vinyl acetate	43		4.859				ND	
37 1,1-Dichloroethane	63	4.877	4.865	0.012	94	12201	0.1455	
39 Isopropyl ether	45		4.926				ND	
40 2-Chloro-1,3-butadiene	53		4.975				ND	
41 Tert-butyl ethyl ether	59		5.469				ND	7
42 2-Butanone (MEK)	43		5.682				ND	
43 cis-1,2-Dichloroethene	96	5.719	5.713	0.006	79	67859	1.32	
44 2,2-Dichloropropane	77		5.725				ND	
46 Ethyl acetate	43		5.762				ND	
45 Propionitrile	54		5.774				ND	
47 Methacrylonitrile	67		5.999				ND	
51 Methyl acrylate	55		6.013				ND	
48 Chlorobromomethane	128		6.042				ND	
49 Tetrahydrofuran	71		6.048				ND	
S 52 1,2-Dichloroethene, Total	100				0		1.32	
50 Chloroform	83	6.213	6.207	0.006	91	19418	0.2278	
$ 54 Dibromofluoromethane (Surr)	113	6.426	6.426	0.000	94	437383	11.4	
53 1,1,1-Trichloroethane	97	6.426	6.432	-0.006	38	27864	0.3933	
55 Cyclohexane	56		6.530				ND	
56 Carbon tetrachloride	117	6.658	6.639	0.019	64	2731	0.0438	a
57 1,1-Dichloropropene	75		6.646				ND	
62 1-Chlorobutane	56		6.781				ND	
58 Isobutyl alcohol	41		6.828				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.883	6.883	0.000	99	90556	11.7	
60 Benzene	78		6.914				ND	
61 1,2-Dichloroethane	62		6.987				ND	7
63 Isopropyl acetate	43		7.024				ND	
64 Tert-amyl methyl ether	73		7.115				ND	
* 65 Fluorobenzene (IS)	96	7.334	7.328	0.006	99	1720792	10.0	
66 n-Heptane	43		7.347				ND	7
67 n-Butanol	56		7.737				ND	
68 Trichloroethene	95	7.816	7.816	0.000	97	75778	1.50	
69 Methylcyclohexane	83		8.121				ND	
70 1,2-Dichloropropane	63		8.157				ND	
71 2-ethoxy-2-methyl butane	87		8.176				ND	
74 1,4-Dioxane	88		8.243				ND	
73 Methyl methacrylate	69		8.255				ND	
72 Dibromomethane	93		8.267				ND	
75 n-Propyl acetate	61		8.353				ND	
76 Dichlorobromomethane	83		8.517				ND	
77 2-Nitropropane	41		8.804				ND	
79 2-Chloroethyl vinyl ether	63		8.901				ND	
78 1-Bromo-2-chloroethane	63		8.907				ND	
81 Chloroacetonitrile	75		9.067				ND	
80 cis-1,3-Dichloropropene	75		9.084				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.291				ND	7
$ 83 Toluene-d8 (Surr)	98	9.413	9.413	0.000	94	1779244	10.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
84 Toluene	92		9.493				ND	7
85 trans-1,3-Dichloropropene	75		9.779				ND	
86 Ethyl methacrylate	69		9.852				ND	
87 1,1,2-Trichloroethane	97	9.986	9.992	-0.006	1	986	0.0261	
T 103 2-Chloroethanol TIC	44	9.864	10.000	-0.136	1	628	0.003649	
T 101 Ethylene oxide TIC	43	9.694	10.000	-0.306	22	60	0.000349	
T 99 2,3-Dibromopropene TIC	119	10.065	10.000	0.065	1	3265	0.0190	
T 96 Nitrobenzene TIC	77	10.023	10.000	0.023	1	333	0.001935	
T 97 Decamethylcyclopentasiloxane TIC	73	9.425	10.000	-0.575	1	389	0.002261	
T 105 Chloroacetaldehyde TIC	50	10.072	10.000	0.072	1	248	0.001441	
T 102 Methyl acrylate TIC	55	9.681	10.000	-0.319	1	119	0.000692	
T 104 Epibromohydrin TIC	57		10.000				ND	
T 94 2,3-Dibromo-1-propanol TIC	57	9.419	10.000	-0.581	1	1006	0.005846	
T 95 Vinyl acetate (TIC)	43	9.694	10.000	-0.306	1	60	0.000349	
T 92 3-Chloro-1,2-propanediol TIC	43	9.694	10.000	-0.306	1	60	0.000349	
T 100 2-Bromo-3-chloropropene TIC	75	9.419	10.000	-0.581	2	319	0.001854	
T 98 Epichlorohydrin TIC	57		10.000				ND	
T 90 2-Bromoethanol TIC	45	9.797	10.000	-0.203	1	483	0.002807	
T 93 Monochloroacetic acid TIC	50		10.000				ND	
T 91 Octamethylcyclotetrasiloxane TIC	281	12.053	10.000	2.053	74	10426	0.0606	
S 107 1,3-Dichloropropene, Total	100		10.060				ND	7
88 Tetrachloroethene	166	10.072	10.072	0.000	97	451967	7.36	
89 1,3-Dichloropropane	76		10.163				ND	
106 2-Hexanone	43		10.224				ND	
109 n-Butyl acetate	43		10.358				ND	
108 Chlorodibromomethane	129		10.377				ND	
110 Ethylene Dibromide	107		10.486				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.943	10.943	0.000	85	1384796	10.0	
112 1-Chlorohexane	91		10.962				ND	7
113 Chlorobenzene	112		10.974				ND	
114 1,1,1,2-Tetrachloroethane	131		11.059				ND	
115 Ethylbenzene	91		11.065				ND	7
116 m-Xylene & p-Xylene	106		11.187				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.523				ND	7
119 Styrene	104		11.541				ND	7
120 Bromoform	173		11.693				ND	7
121 Isopropylbenzene	105		11.834				ND	
122 cis-1,4-Dichloro-2-butene	88		11.895				ND	
123 Cyclohexanone	55		11.919				ND	
$ 124 4-Bromofluorobenzene (Surr)	95	11.980	11.980	0.000	94	620653	8.83	
126 1,1,2,2-Tetrachloroethane	83		12.096				ND	
125 Bromobenzene	156		12.096				ND	
127 trans-1,4-Dichloro-2-butene	53		12.120				ND	
128 1,2,3-Trichloropropane	110		12.138				ND	
129 N-Propylbenzene	91		12.175				ND	
130 2-Chlorotoluene	126		12.248				ND	
131 1,3,5-Trimethylbenzene	105		12.315				ND	7
132 4-Chlorotoluene	126		12.346				ND	
133 tert-Butylbenzene	134		12.559				ND	
134 Pentachloroethane	167		12.590				ND	
135 1,2,4-Trimethylbenzene	105		12.602				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
136 sec-Butylbenzene	105		12.730				ND	
137 1,3-Dichlorobenzene	146		12.821				ND	7
138 4-Isopropyltoluene	119		12.839				ND	7
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	784771	10.0	
140 1,4-Dichlorobenzene	146		12.900				ND	7
141 1,2,3-Trimethylbenzene	120		12.913				ND	7
142 Benzyl chloride	126		12.980				ND	7
145 p-Diethylbenzene	119		13.114				ND	
143 n-Butylbenzene	92		13.138				ND	
144 1,2-Dichlorobenzene	146		13.163				ND	
T 146 Hexachloroethane TIC	117		13.444				ND	
147 Hexachloroethane	117		13.444				ND	
148 1,2-Dibromo-3-Chloropropane	155		13.717				ND	
149 1,3,5-Trichlorobenzene	180		13.845				ND	
150 1,2,4-Trichlorobenzene	180		14.272				ND	
151 Hexachlorobutadiene	225		14.357				ND	
152 Naphthalene	128		14.455				ND	7
153 1,2,3-Trichlorobenzene	180		14.601				ND	
154 2-Methylnaphthalene	142		15.217				ND	
155 Dodecane	57		0.000				ND	
156 1,1-Dichloro-1-fluoroethane	1		0.000				ND	
157 tert-Butyl Formate	1		0.000				ND	
158 2-Bromo-1-chloropropane	1		0.000				ND	
159 1-Chloropropane	1		0.000				ND	
160 1,1-Dichloroacetone	1		0.000				ND	
161 Methylal	1		0.000				ND	
162 Propene oxide	1		0.000				ND	
163 t-Amyl alcohol	1		0.000				ND	
164 Ethanol	45		0.000				ND	
165 n-Decane	57		0.000				ND	
166 1-Bromo-3-Chloropropane	1		0.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00085 Amount Added: 1.00 Units: uL Run Reagent

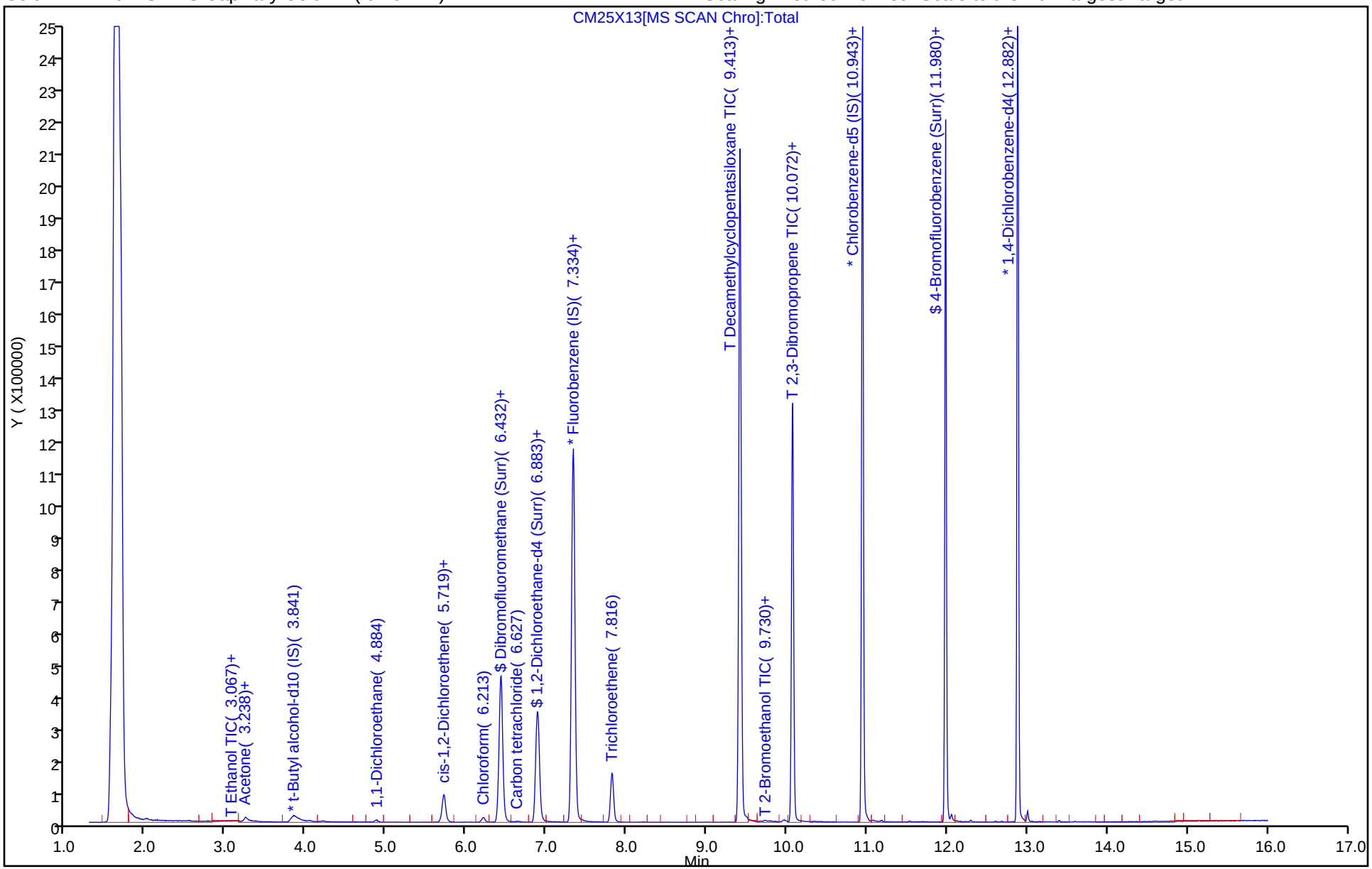
Report Date: 26-Mar-2024 12:32:08 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X13.D

Injection Date:	25-Mar-2024 23:47:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	410-164764-A-6	Lab Sample ID:	410-164764-6	Worklist Smp#:	14
Client ID:	HD-COD-SW-15-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X13.D				
Lims ID:	410-164764-A-6				
Client ID:	HD-COD-SW-15-0/1-0				
Sample Type:	Client				
Inject. Date:	25-Mar-2024 23:47:30	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0109513-014				
Operator ID:	gaw91131	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	26-Mar-2024 12:32:08	Calib Date:	11-Dec-2023 23:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1660				

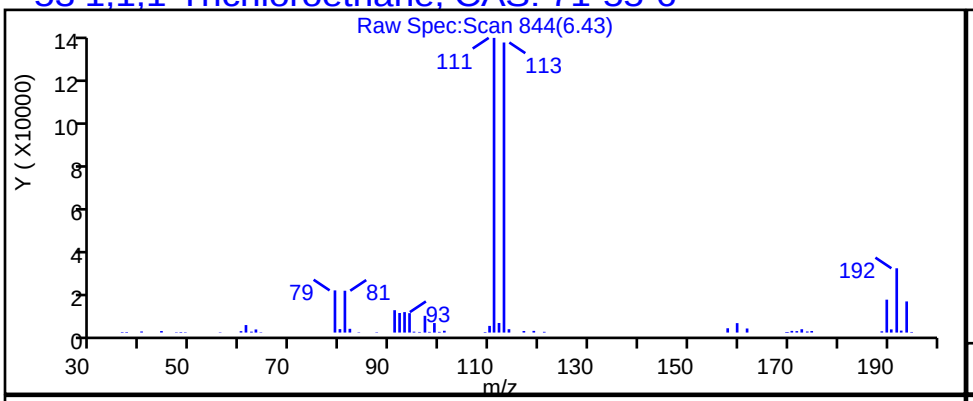
First Level Reviewer: FQ4L Date: 26-Mar-2024 12:32:08

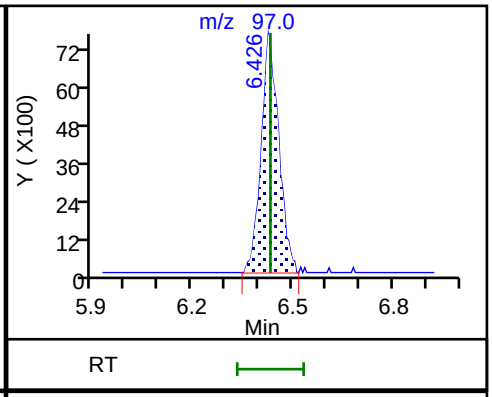
Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.4	113.96
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	11.7	116.58
$ 83 Toluene-d8 (Surr)	10.0	10.2	101.64
$ 124 4-Bromofluorobenzene (Surr)	10.0	8.83	88.29

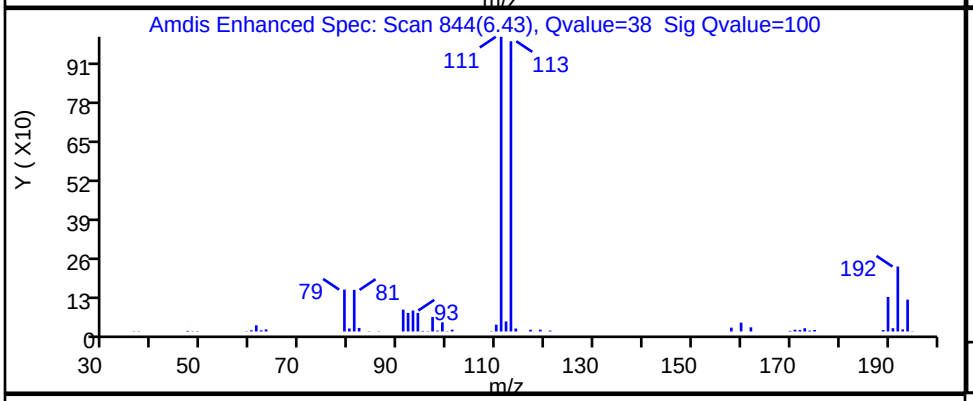
Eurofins Lancaster Laboratories Environment Testing, LLC

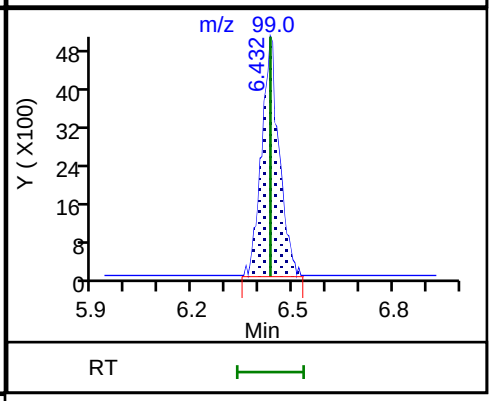
Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X13.D				
Injection Date:	25-Mar-2024 23:47:30	Instrument ID:	10193		
Lims ID:	410-164764-A-6	Lab Sample ID:	410-164764-6		
Client ID:	HD-COD-SW-15-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

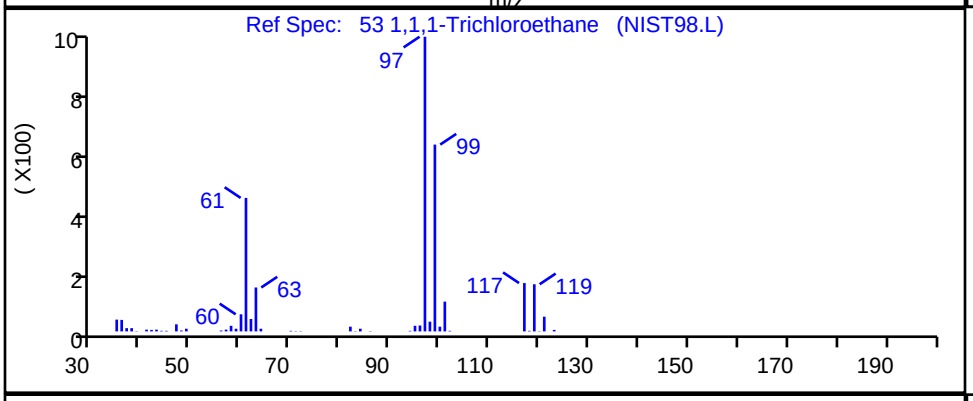
53 1,1,1-Trichloroethane, CAS: 71-55-6

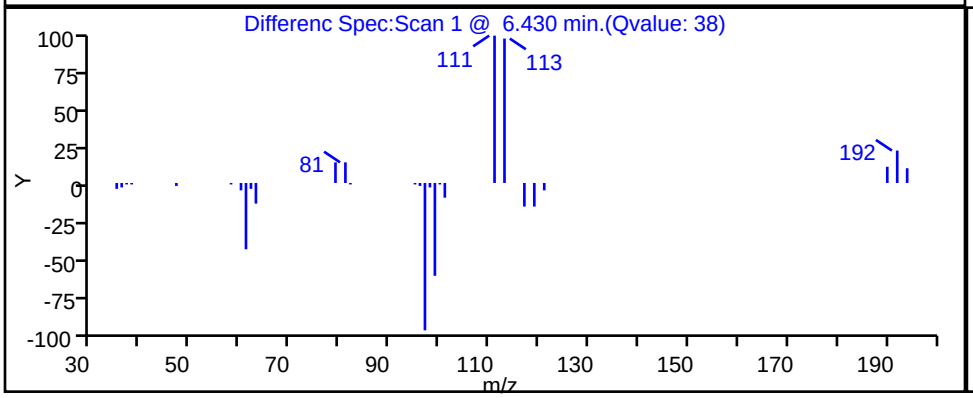


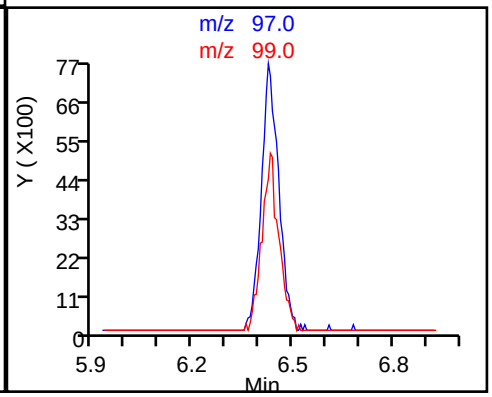








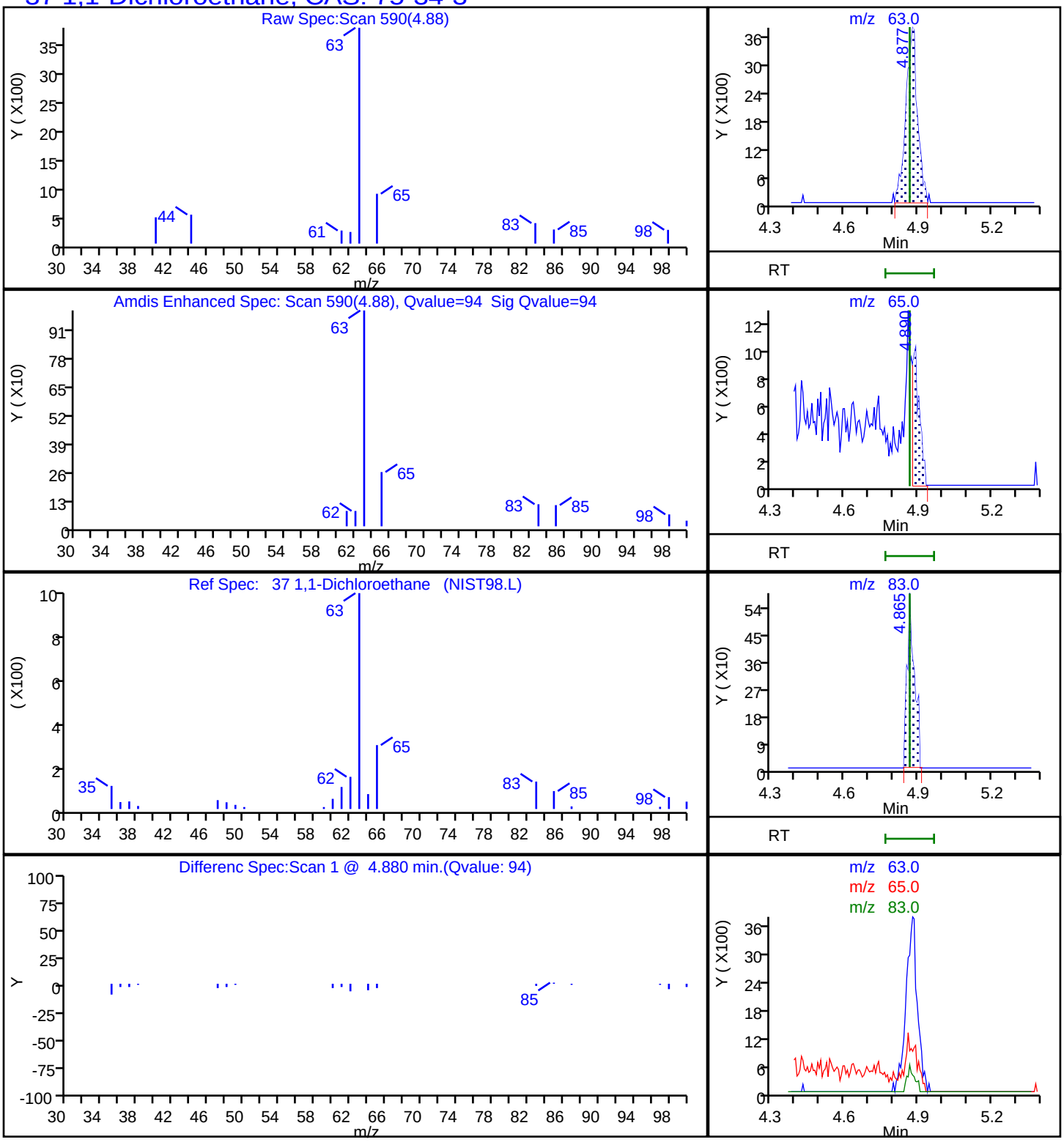




Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X13.D				
Injection Date:	25-Mar-2024 23:47:30	Instrument ID:	10193		
Lims ID:	410-164764-A-6	Lab Sample ID:	410-164764-6		
Client ID:	HD-COD-SW-15-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

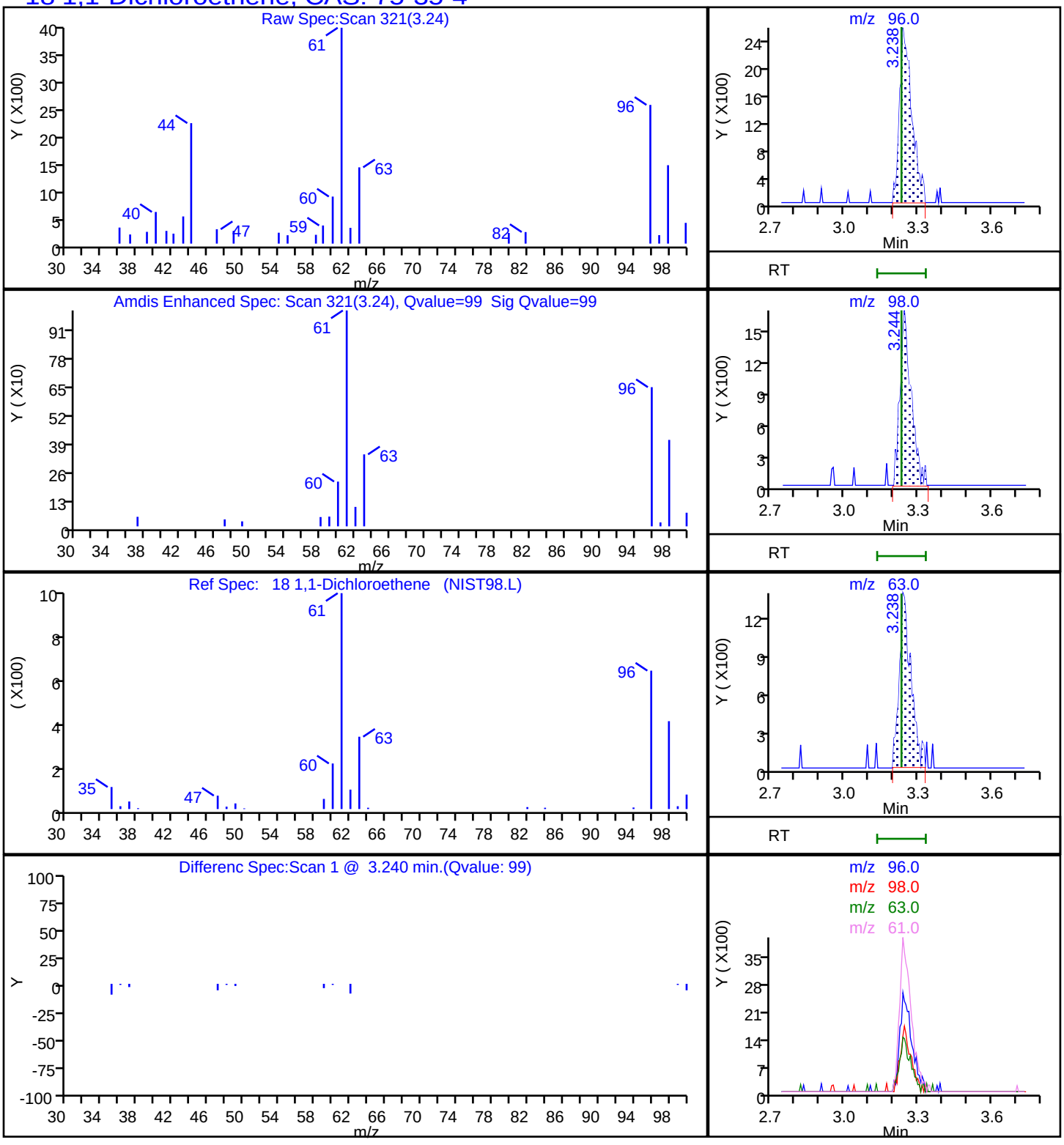
37 1,1-Dichloroethane, CAS: 75-34-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X13.D				
Injection Date:	25-Mar-2024 23:47:30	Instrument ID:	10193		
Lims ID:	410-164764-A-6	Lab Sample ID:	410-164764-6		
Client ID:	HD-COD-SW-15-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

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

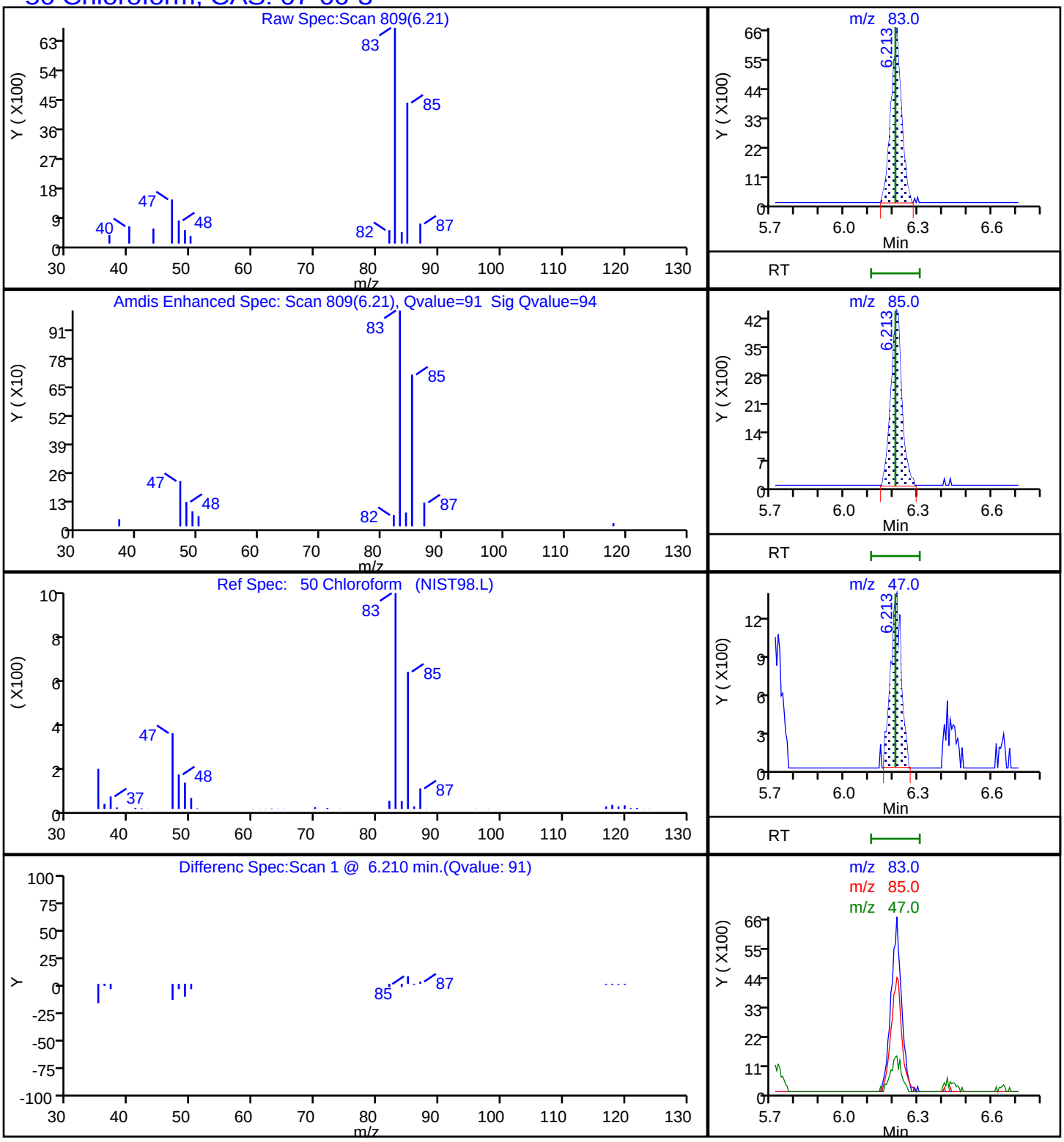


Report Date: 26-Mar-2024 12:32:08 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X13.D				
Injection Date:	25-Mar-2024 23:47:30	Instrument ID:	10193		
Lims ID:	410-164764-A-6	Lab Sample ID:	410-164764-6		
Client ID:	HD-COD-SW-15-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

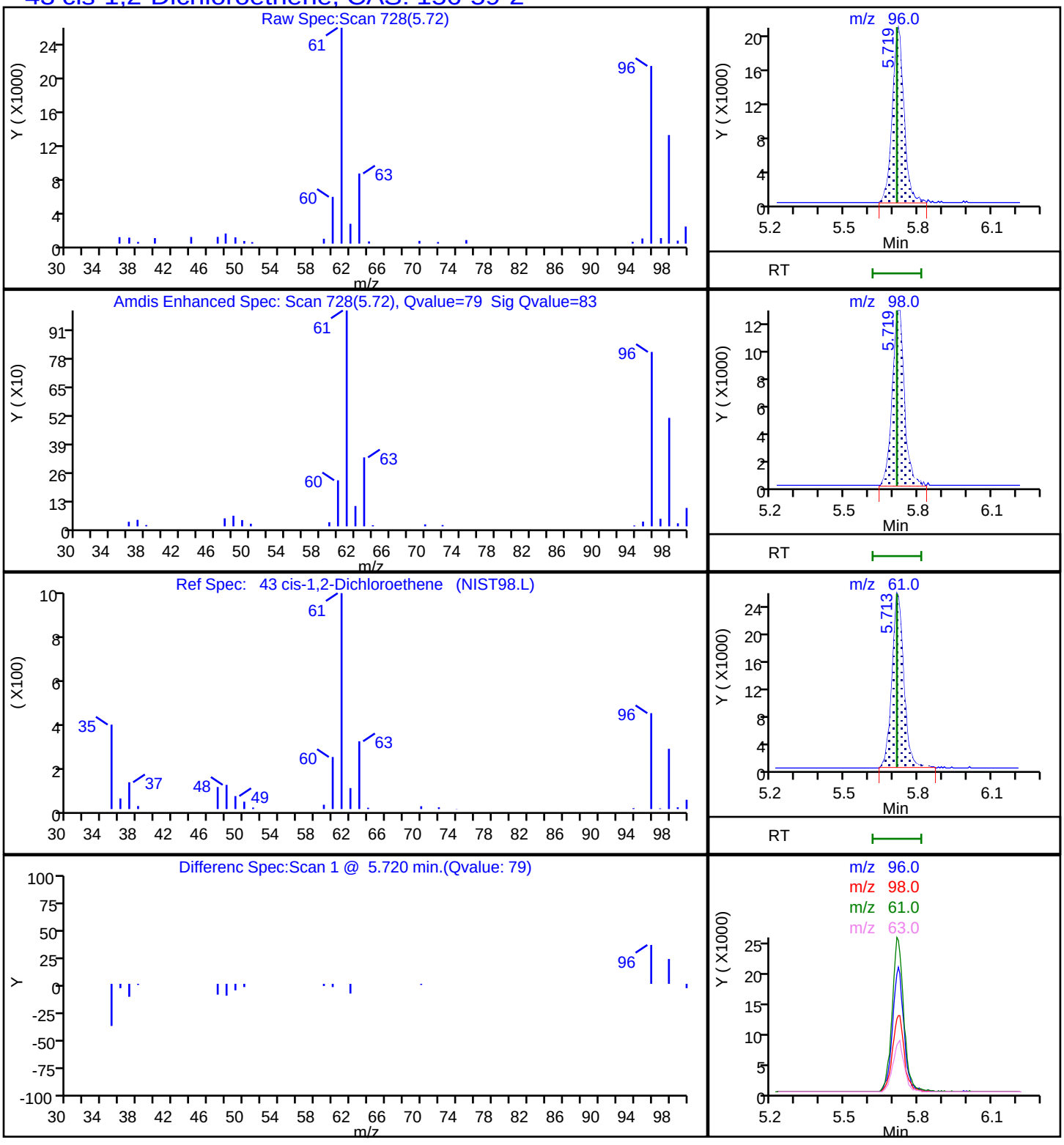
50 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X13.D				
Injection Date:	25-Mar-2024 23:47:30	Instrument ID:	10193		
Lims ID:	410-164764-A-6	Lab Sample ID:	410-164764-6		
Client ID:	HD-COD-SW-15-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

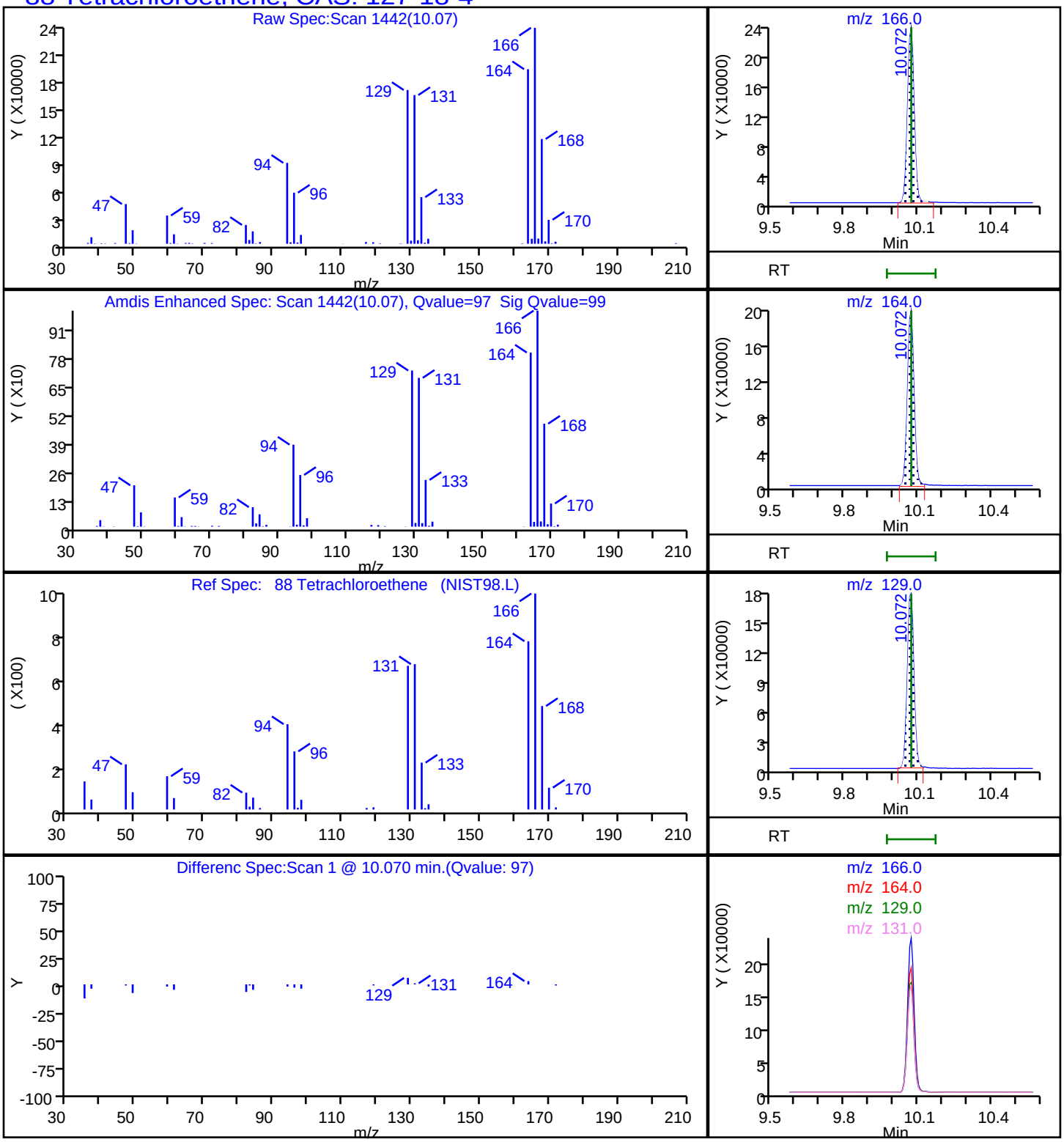
43 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X13.D				
Injection Date:	25-Mar-2024 23:47:30	Instrument ID:	10193		
Lims ID:	410-164764-A-6	Lab Sample ID:	410-164764-6		
Client ID:	HD-COD-SW-15-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

88 Tetrachloroethene, CAS: 127-18-4



Report Date: 26-Mar-2024 12:32:09 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X13.D

Injection Date: 25-Mar-2024 23:47:30 Instrument ID: 10193

Lims ID: 410-164764-A-6 Lab Sample ID: 410-164764-6

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

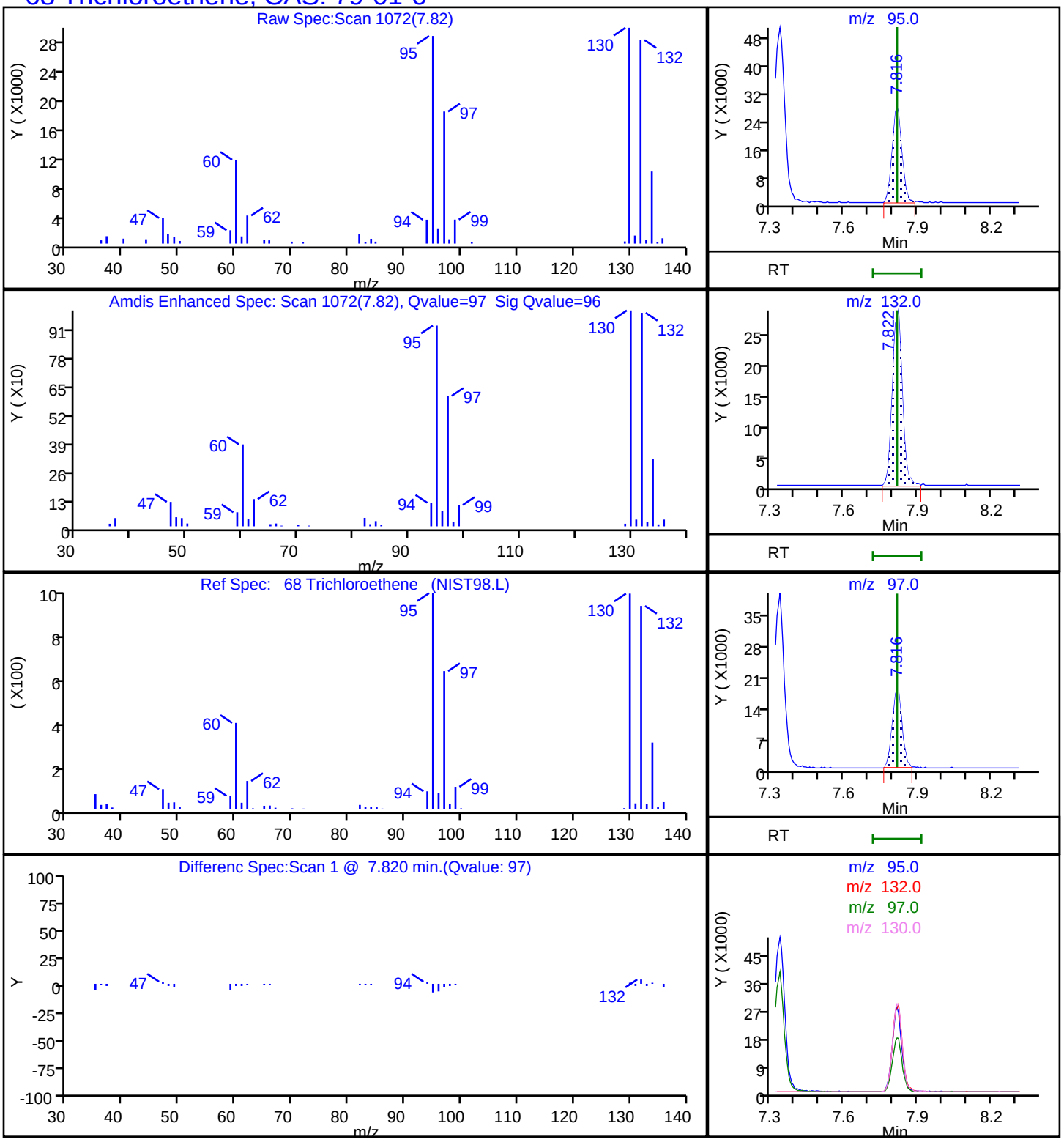
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 14

Purge Vol: 25.000 mL Dil. Factor: 1.0000

Method: MSV_10193_25mL Limit Group: MSV - 8260C_D

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

68 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

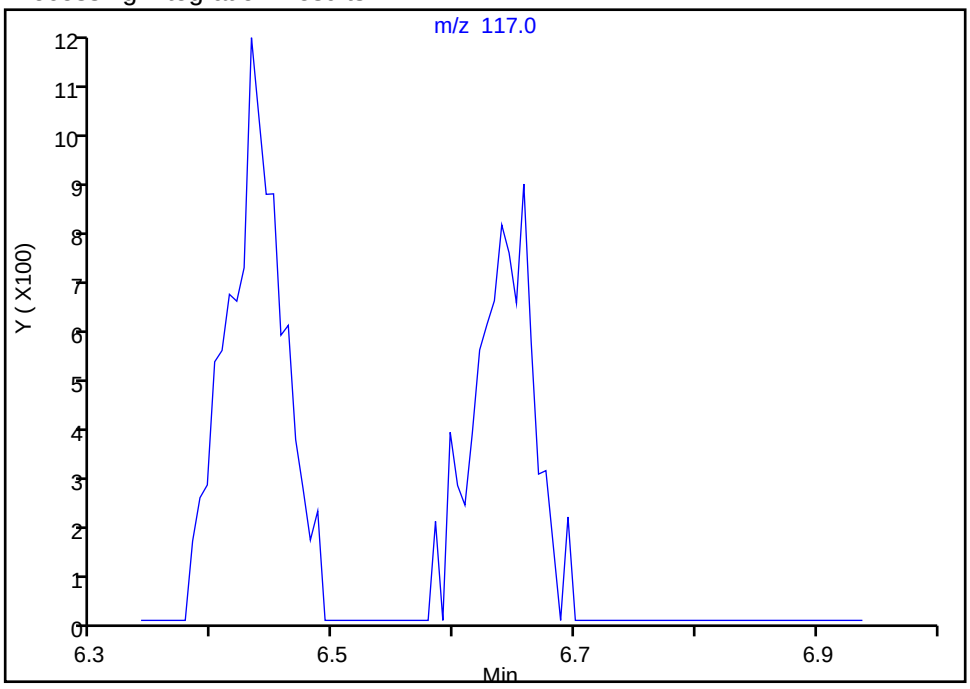
Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X13.D				
Injection Date:	25-Mar-2024 23:47:30	Instrument ID:	10193		
Lims ID:	410-164764-A-6	Lab Sample ID:	410-164764-6		
Client ID:	HD-COD-SW-15-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

56 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

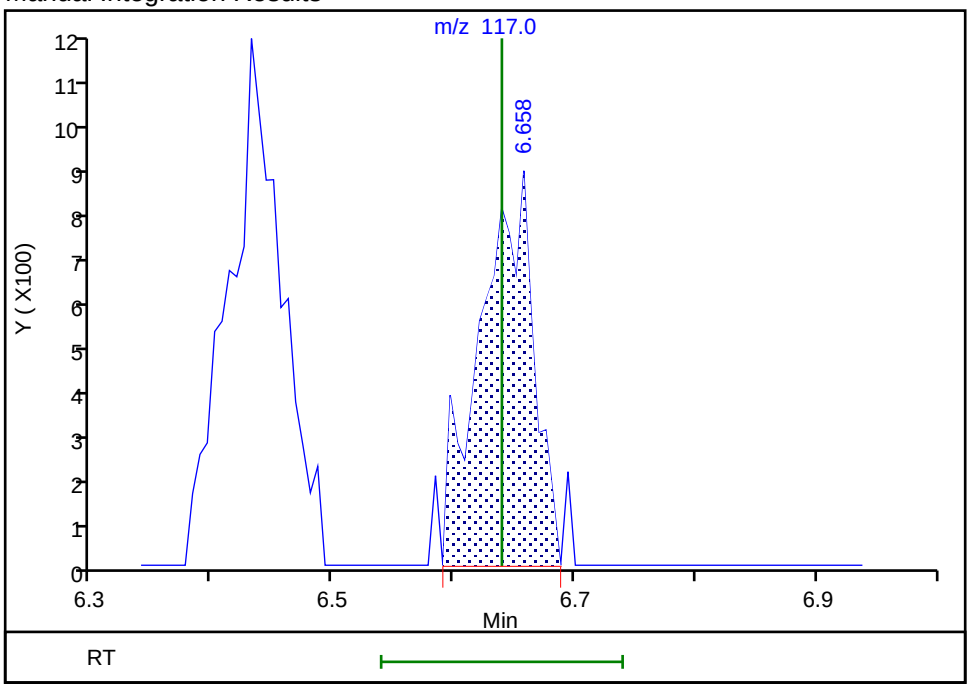
Not Detected
Expected RT: 6.64

Processing Integration Results



Manual Integration Results

RT: 6.66
Area: 2731
Amount: 0.043782
Amount Units: ug/l



Reviewer: FQ4L, 26-Mar-2024 12:28:31 07:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-16-0/1-0
Lab Sample ID: 410-164764-7

Matrix: Water
Lab File ID: CM25X22.D

Analysis Method: 8260D
Date Collected: 03/20/2024 08:35

Sample wt/vol: 25(mL)
Date Analyzed: 03/26/2024 03:08

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 486836
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	0.11	J	0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	1.6	J ^c cn	5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.095	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	1.6		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-16-0/1-0
Lab Sample ID: 410-164764-7

Matrix: Water
Lab File ID: CM25X22.D

Analysis Method: 8260D
Date Collected: 03/20/2024 08:35

Sample wt/vol: 25(mL)
Date Analyzed: 03/26/2024 03:08

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 486836
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	0.11	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		80-120
460-00-4	4-Bromofluorobenzene (Surr)	89		80-120
1868-53-7	Dibromofluoromethane (Surr)	113		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X22.D
Lims ID: 410-164764-A-7
Client ID: HD-COD-SW-16-0/1-0
Sample Type: Client
Inject. Date: 26-Mar-2024 03:08:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109513-023
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Mar-2024 14:33:24 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: FQ4L Date: 26-Mar-2024 14:33:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.994	2.000	-0.006	95	2760	0.0404	
6 Vinyl chloride	62		2.104				ND	7
9 Bromomethane	94		2.402				ND	7
10 Chloroethane	64		2.470				ND	
18 1,1-Dichloroethene	96		3.232				ND	7
20 Acetone	43	3.268	3.262	0.006	71	8479	1.56	
25 Carbon disulfide	76		3.494				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.841	3.829	0.012	95	104078	50.0	
30 Methylene Chloride	84		3.835				ND	7
34 Methyl tert-butyl ether	73		4.195				ND	
35 trans-1,2-Dichloroethene	96		4.201				ND	
37 1,1-Dichloroethane	63		4.865				ND	7
42 2-Butanone (MEK)	43		5.682				ND	7
43 cis-1,2-Dichloroethene	96	5.713	5.713	0.000	76	4872	0.0949	
48 Chlorobromomethane	128		6.042				ND	
50 Chloroform	83	6.213	6.207	0.006	86	3457	0.0407	
$ 54 Dibromofluoromethane (Surr)	113	6.426	6.426	0.000	94	430799	11.3	
53 1,1,1-Trichloroethane	97	6.426	6.432	-0.006	44	7446	0.1055	
56 Carbon tetrachloride	117		6.639				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.889	6.883	0.006	99	90100	11.7	
60 Benzene	78		6.914				ND	7
61 1,2-Dichloroethane	62		6.987				ND	
* 65 Fluorobenzene (IS)	96	7.328	7.328	0.000	99	1713290	10.0	
68 Trichloroethene	95	7.816	7.816	0.000	95	5479	0.1090	a
70 1,2-Dichloropropane	63		8.157				ND	
76 Dichlorobromomethane	83		8.517				ND	
80 cis-1,3-Dichloropropene	75		9.084				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.291				ND	7
$ 83 Toluene-d8 (Surr)	98	9.413	9.413	0.000	93	1763657	10.2	
84 Toluene	92	9.486	9.493	-0.007	98	4676	0.0354	
85 trans-1,3-Dichloropropene	75		9.779				ND	
87 1,1,2-Trichloroethane	97		9.992				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166	10.066	10.072	-0.006	98	96696	1.59	
106 2-Hexanone	43		10.224				ND	7
108 Chlorodibromomethane	129		10.377				ND	
110 Ethylene Dibromide	107		10.486				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.944	10.943	0.001	85	1372051	10.0	
113 Chlorobenzene	112		10.974				ND	
114 1,1,1,2-Tetrachloroethane	131		11.059				ND	
115 Ethylbenzene	91		11.065				ND	7
116 m-Xylene & p-Xylene	106		11.187				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.523				ND	7
119 Styrene	104		11.541				ND	7
120 Bromoform	173		11.693				ND	7
$ 124 4-Bromofluorobenzene (Surr)	95	11.980	11.980	0.000	96	618433	8.88	
126 1,1,2,2-Tetrachloroethane	83		12.096				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	779468	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00085 Amount Added: 1.00 Units: uL Run Reagent

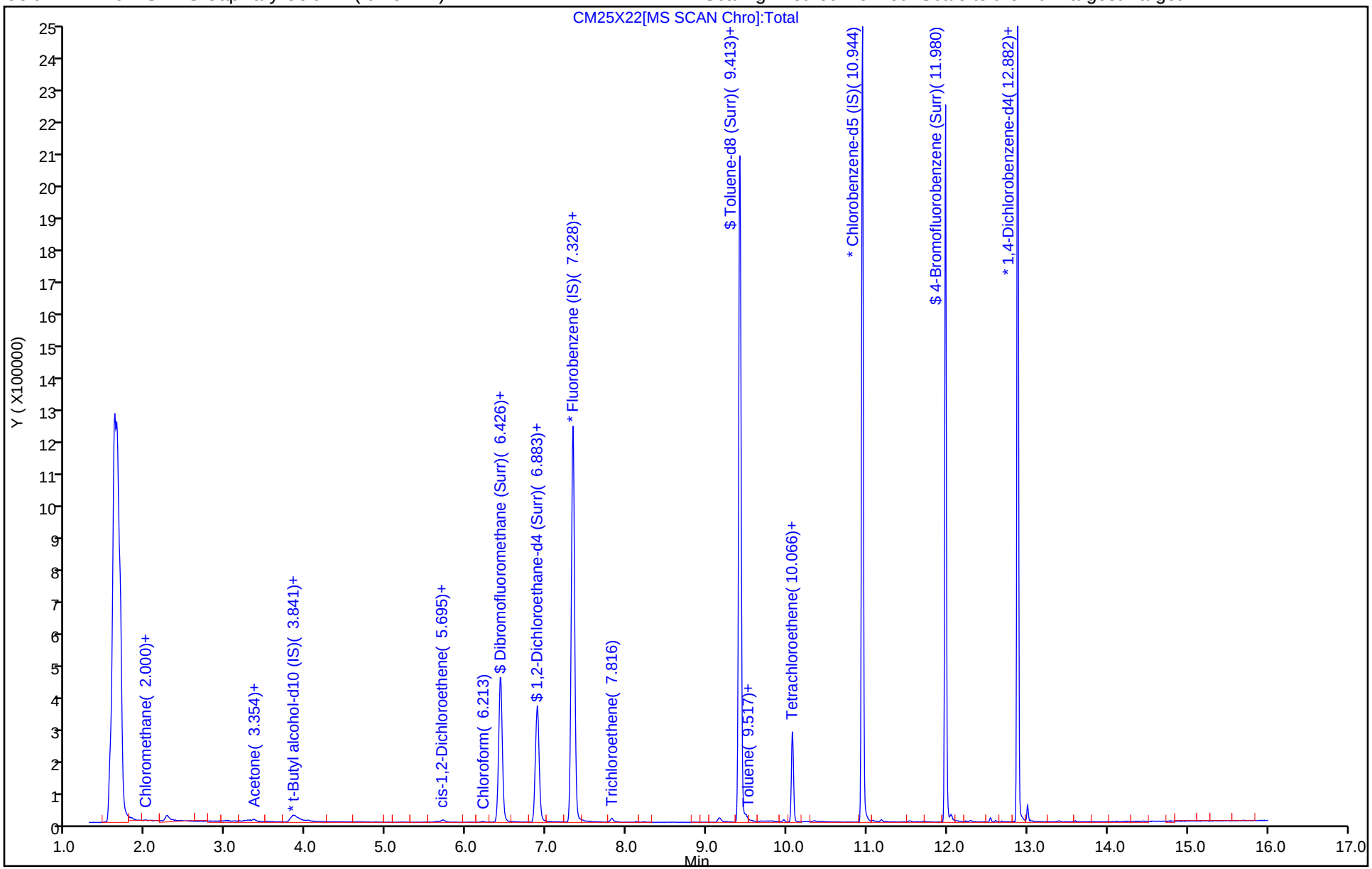
Report Date: 26-Mar-2024 14:33:48 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X22.D

Injection Date:	26-Mar-2024 03:08:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	410-164764-A-7	Lab Sample ID:	410-164764-7	Worklist Smp#:	23
Client ID:	HD-COD-SW-16-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X22.D				
Lims ID:	410-164764-A-7				
Client ID:	HD-COD-SW-16-0/1-0				
Sample Type:	Client				
Inject. Date:	26-Mar-2024 03:08:30	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0109513-023				
Operator ID:	gaw91131	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	26-Mar-2024 14:33:24	Calib Date:	11-Dec-2023 23:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1660				

First Level Reviewer: FQ4L Date: 26-Mar-2024 14:33:47

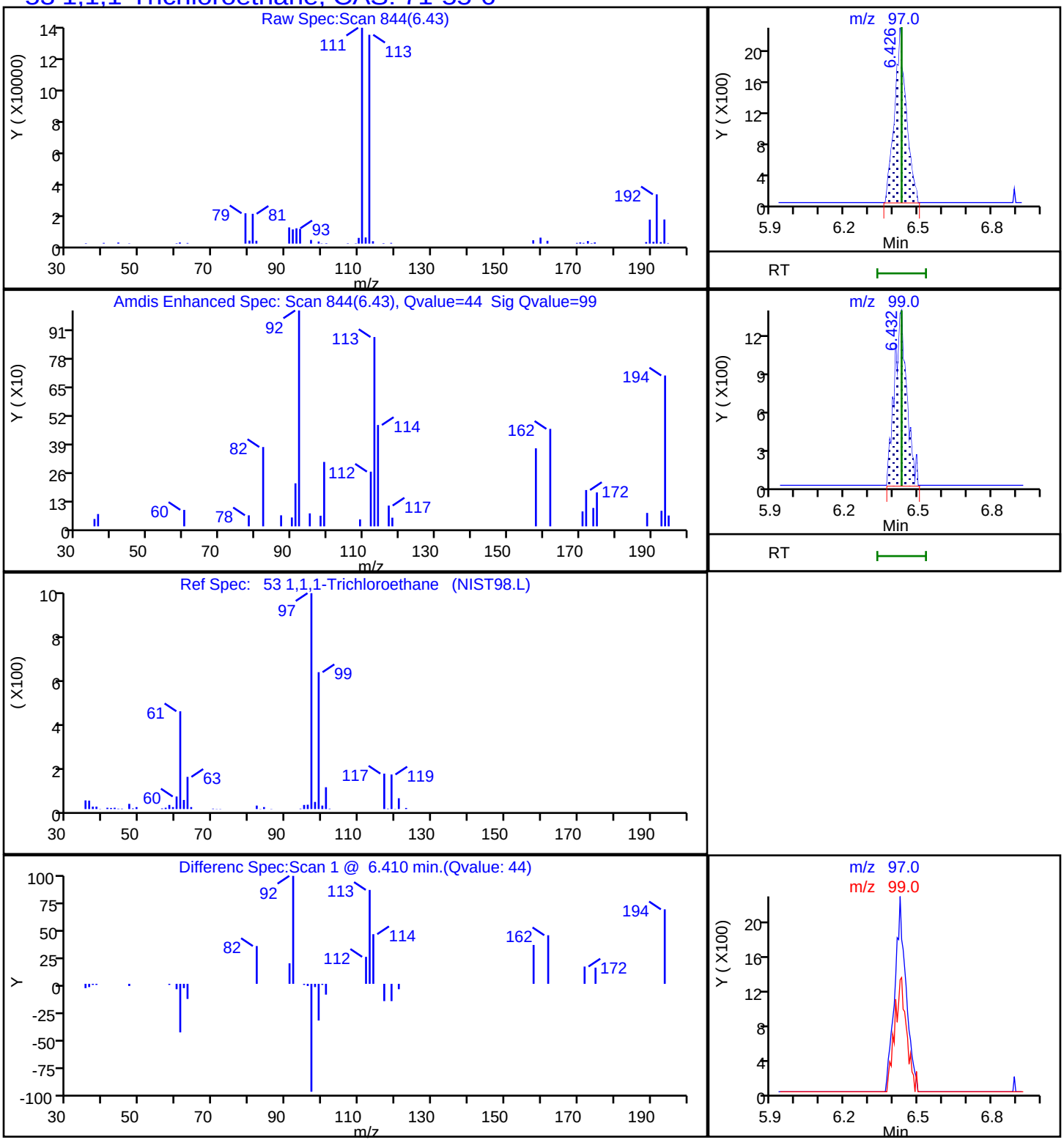
Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.3	112.74
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	11.7	116.50
$ 83 Toluene-d8 (Surr)	10.0	10.2	101.69
$ 124 4-Bromofluorobenzene (Surr)	10.0	8.88	88.79

Report Date: 26-Mar-2024 14:33:48 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X22.D				
Injection Date:	26-Mar-2024 03:08:30	Instrument ID:	10193		
Lims ID:	410-164764-A-7	Lab Sample ID:	410-164764-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

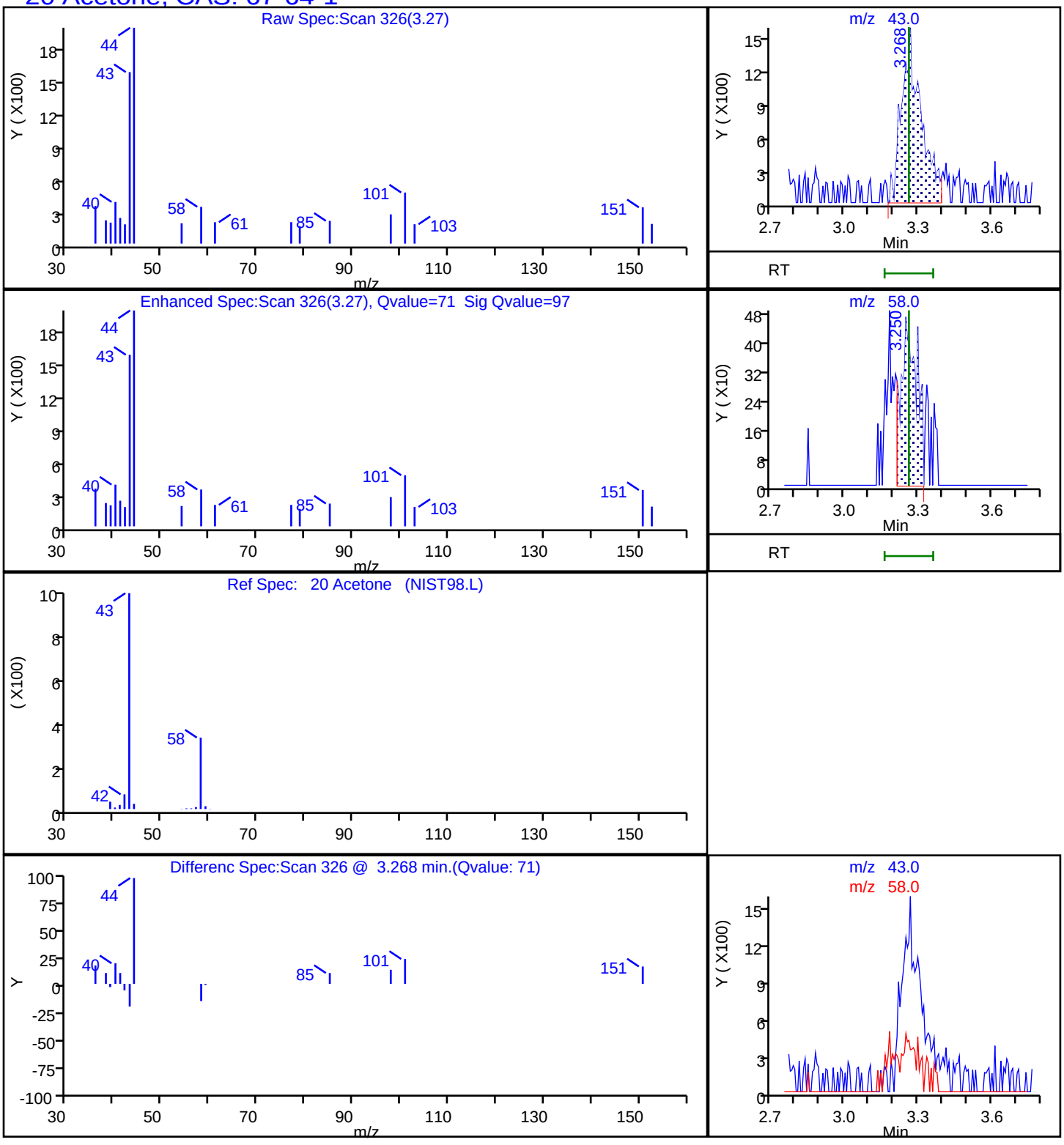
53 1,1,1-Trichloroethane, CAS: 71-55-6



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X22.D				
Injection Date:	26-Mar-2024 03:08:30	Instrument ID:	10193		
Lims ID:	410-164764-A-7	Lab Sample ID:	410-164764-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

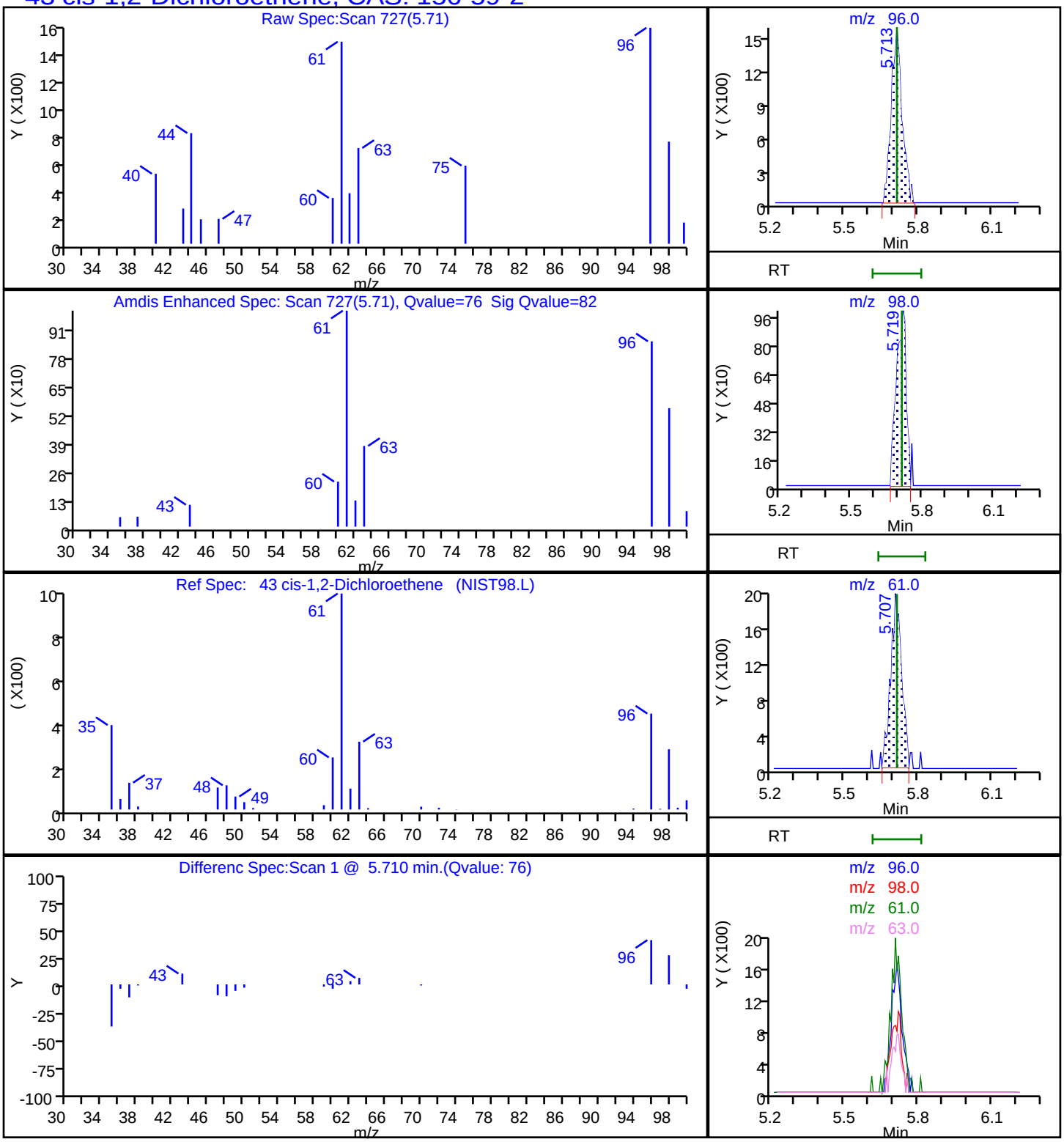
20 Acetone, CAS: 67-64-1



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X22.D				
Injection Date:	26-Mar-2024 03:08:30	Instrument ID:	10193		
Lims ID:	410-164764-A-7	Lab Sample ID:	410-164764-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

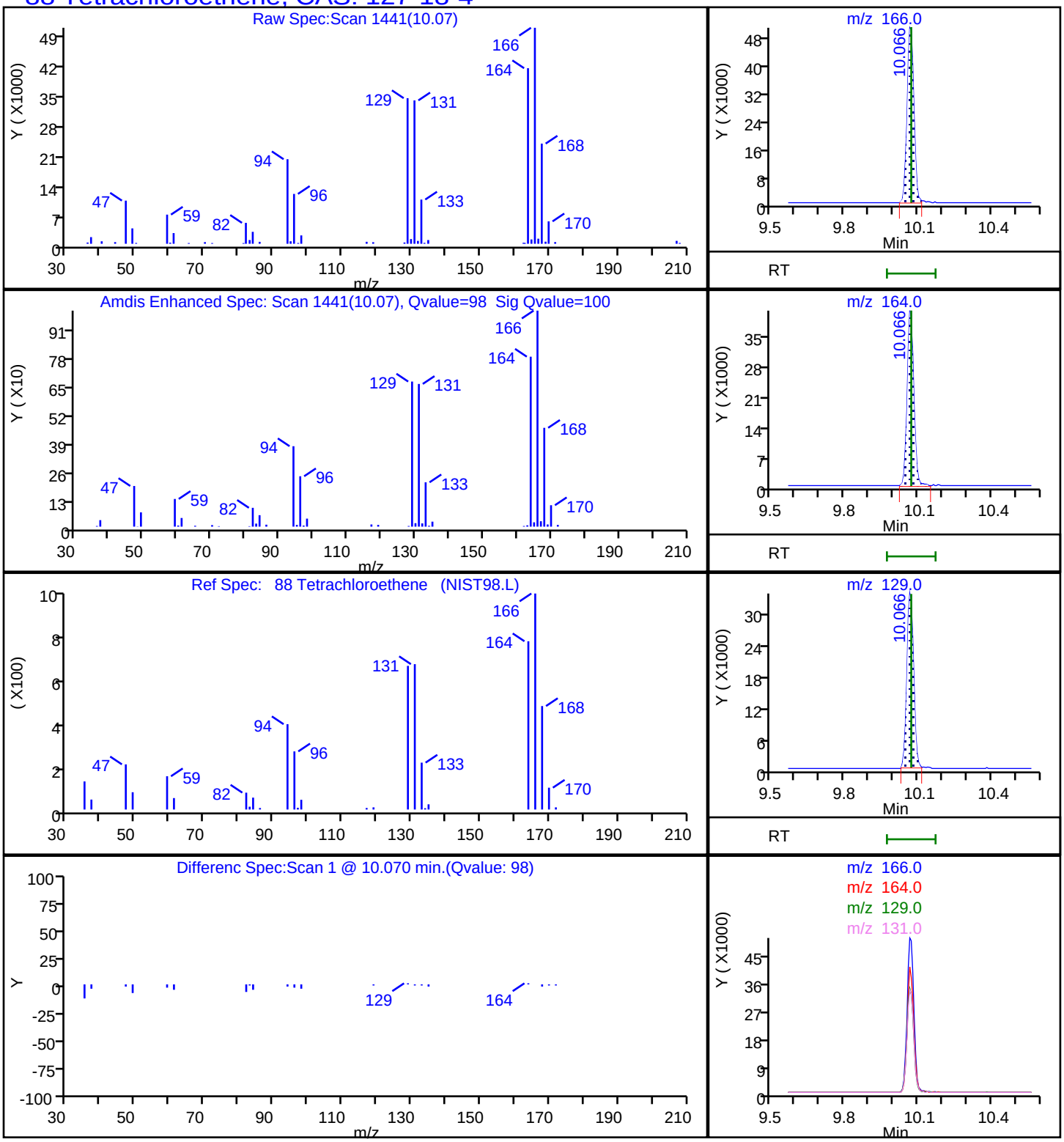
43 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X22.D				
Injection Date:	26-Mar-2024 03:08:30	Instrument ID:	10193		
Lims ID:	410-164764-A-7	Lab Sample ID:	410-164764-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

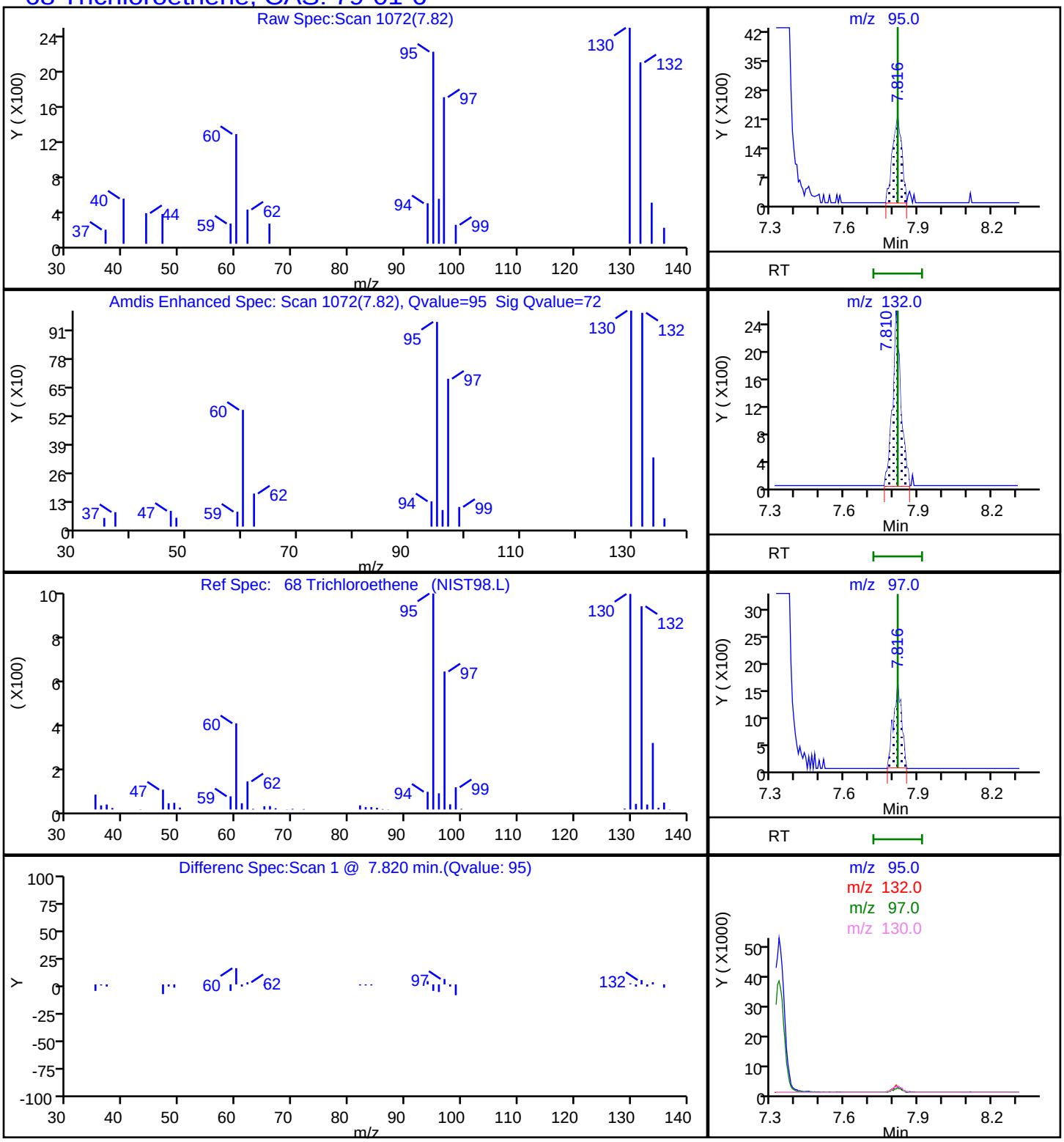
88 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X22.D				
Injection Date:	26-Mar-2024 03:08:30	Instrument ID:	10193		
Lims ID:	410-164764-A-7	Lab Sample ID:	410-164764-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

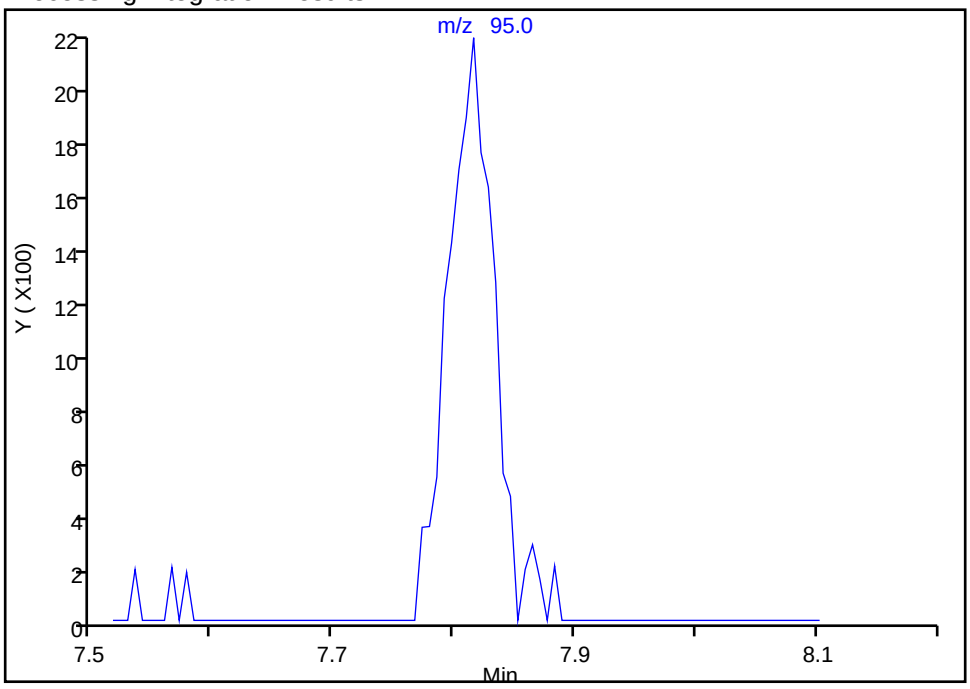
Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X22.D				
Injection Date:	26-Mar-2024 03:08:30	Instrument ID:	10193		
Lims ID:	410-164764-A-7	Lab Sample ID:	410-164764-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6

Signal: 1

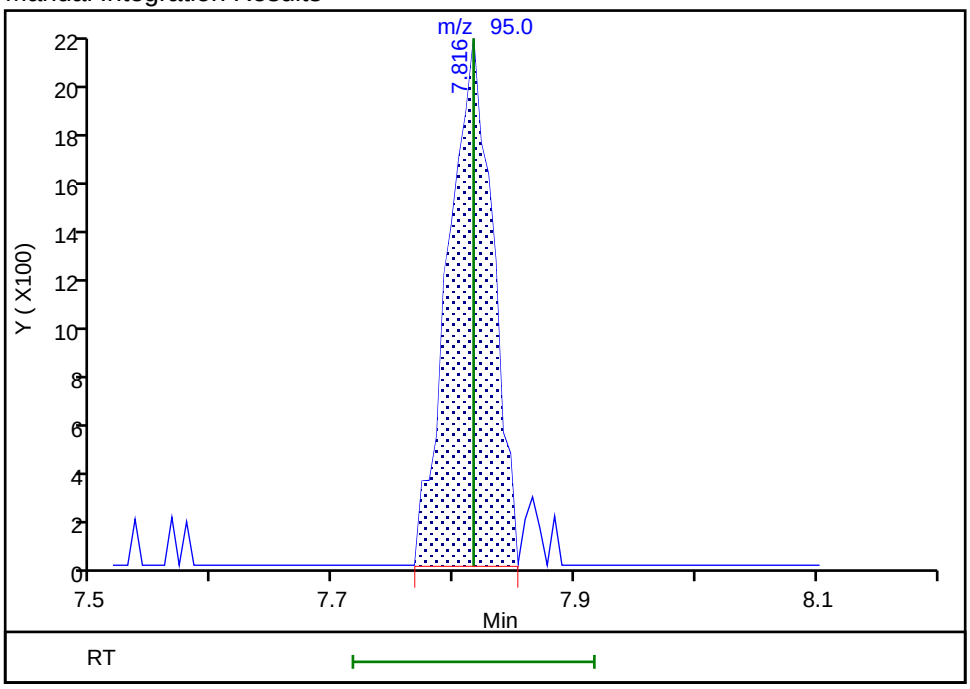
Not Detected
Expected RT: 7.82

Processing Integration Results



Manual Integration Results

RT: 7.82
Area: 5479
Amount: 0.108992
Amount Units: ug/l



Reviewer: FQ4L, 26-Mar-2024 14:33:21 07:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-17-0/1-0
Lab Sample ID: 410-164764-8

Matrix: Water
Lab File ID: CM25X23.D

Analysis Method: 8260D
Date Collected: 03/20/2024 08:45

Sample wt/vol: 25(mL)
Date Analyzed: 03/26/2024 03:30

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 486836
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	9.2		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	1.7		0.50	0.10
75-35-4	1,1-Dichloroethene	0.73		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND	^c cn	5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.16	J	0.50	0.090
74-87-3	Chloromethane	0.19	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	4.8		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
108-88-3	Toluene	ND		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-17-0/1-0
Lab Sample ID: 410-164764-8

Matrix: Water
Lab File ID: CM25X23.D

Analysis Method: 8260D
Date Collected: 03/20/2024 08:45

Sample wt/vol: 25(mL)
Date Analyzed: 03/26/2024 03:30

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 486836
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	4.6		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		80-120
460-00-4	4-Bromofluorobenzene (Surr)	88		80-120
1868-53-7	Dibromofluoromethane (Surr)	112		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X23.D
Lims ID: 410-164764-A-8
Client ID: HD-COD-SW-17-0/1-0
Sample Type: Client
Inject. Date: 26-Mar-2024 03:30:30 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109513-024
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Mar-2024 14:53:50 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: FQ4L Date: 26-Mar-2024 14:53:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.000	2.000	0.000	97	13060	0.1873	
6 Vinyl chloride	62	2.110	2.104	0.006	1	2900	0.0456	
9 Bromomethane	94		2.402				ND	7
10 Chloroethane	64		2.470				ND	
18 1,1-Dichloroethene	96	3.256	3.232	0.024	96	28416	0.7279	
20 Acetone	43	3.280	3.262	0.018	22	6195	0.8963	
25 Carbon disulfide	76		3.494				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.853	3.829	0.024	96	132040	50.0	
30 Methylene Chloride	84		3.835				ND	7
34 Methyl tert-butyl ether	73		4.195				ND	7
35 trans-1,2-Dichloroethene	96	4.207	4.201	0.006	98	2315	0.0498	
37 1,1-Dichloroethane	63	4.872	4.865	0.007	96	141835	1.66	
42 2-Butanone (MEK)	43		5.682				ND	
43 cis-1,2-Dichloroethene	96	5.719	5.713	0.006	80	254081	4.85	
48 Chlorobromomethane	128		6.042				ND	
50 Chloroform	83	6.213	6.207	0.006	92	14167	0.1634	
$ 54 Dibromofluoromethane (Surr)	113	6.432	6.426	0.006	88	438611	11.2	
53 1,1,1-Trichloroethane	97	6.432	6.432	0.000	98	660449	9.17	
56 Carbon tetrachloride	117	6.640	6.639	0.001	44	2476	0.0390	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.883	6.883	0.000	99	93602	11.9	
60 Benzene	78		6.914				ND	7
61 1,2-Dichloroethane	62		6.987				ND	
* 65 Fluorobenzene (IS)	96	7.335	7.328	0.006	99	1749492	10.0	
68 Trichloroethene	95	7.816	7.816	0.000	98	236029	4.60	
70 1,2-Dichloropropane	63		8.157				ND	
76 Dichlorobromomethane	83		8.517				ND	
80 cis-1,3-Dichloropropene	75		9.084				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.291				ND	7
$ 83 Toluene-d8 (Surr)	98	9.413	9.413	0.000	94	1782096	9.82	
84 Toluene	92	9.499	9.493	0.006	95	4611	0.0334	
85 trans-1,3-Dichloropropene	75		9.779				ND	
87 1,1,2-Trichloroethane	97		9.992				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166	10.072	10.072	0.000	97	9283206	145.8	E
106 2-Hexanone	43		10.224				ND	7
108 Chlorodibromomethane	129		10.377				ND	
110 Ethylene Dibromide	107		10.486				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.944	10.943	0.001	85	1435018	10.0	
113 Chlorobenzene	112	10.974	10.974	0.000	82	1733	0.0108	7a
114 1,1,1,2-Tetrachloroethane	131		11.059				ND	
115 Ethylbenzene	91		11.065				ND	7
116 m-Xylene & p-Xylene	106		11.187				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.523				ND	7
119 Styrene	104		11.541				ND	7
120 Bromoform	173		11.693				ND	7
$ 124 4-Bromofluorobenzene (Surr)	95	11.980	11.980	0.000	95	640404	8.79	
126 1,1,2,2-Tetrachloroethane	83		12.096				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	796604	10.0	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00085 Amount Added: 1.00 Units: uL Run Reagent

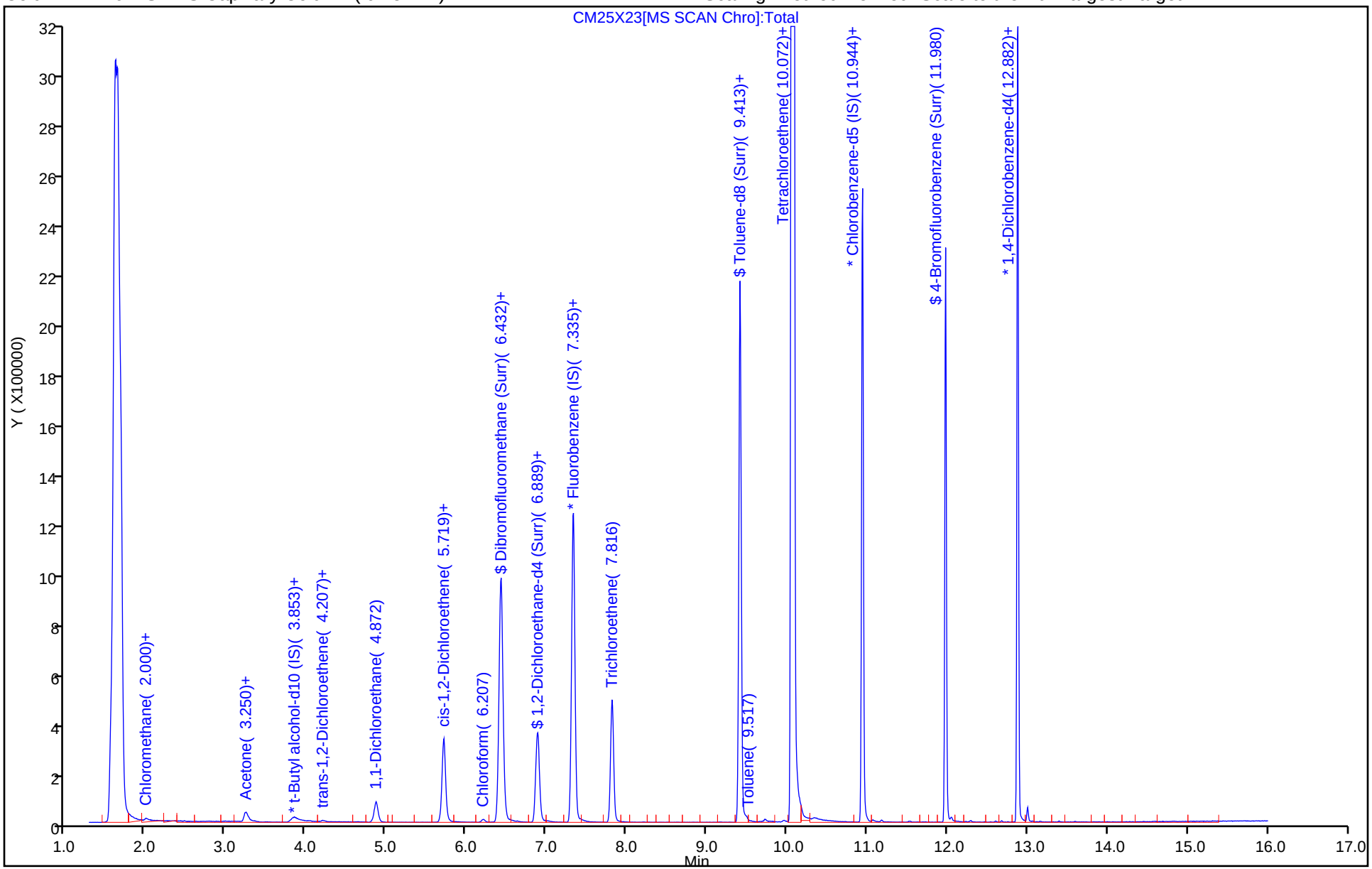
Report Date: 26-Mar-2024 14:53:50 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X23.D

Injection Date:	26-Mar-2024 03:30:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	410-164764-A-8	Lab Sample ID:	410-164764-8	Worklist Smp#:	24
Client ID:	HD-COD-SW-17-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X23.D				
Lims ID:	410-164764-A-8				
Client ID:	HD-COD-SW-17-0/1-0				
Sample Type:	Client				
Inject. Date:	26-Mar-2024 03:30:30	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0109513-024				
Operator ID:	gaw91131	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	26-Mar-2024 14:53:50	Calib Date:	11-Dec-2023 23:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1660				

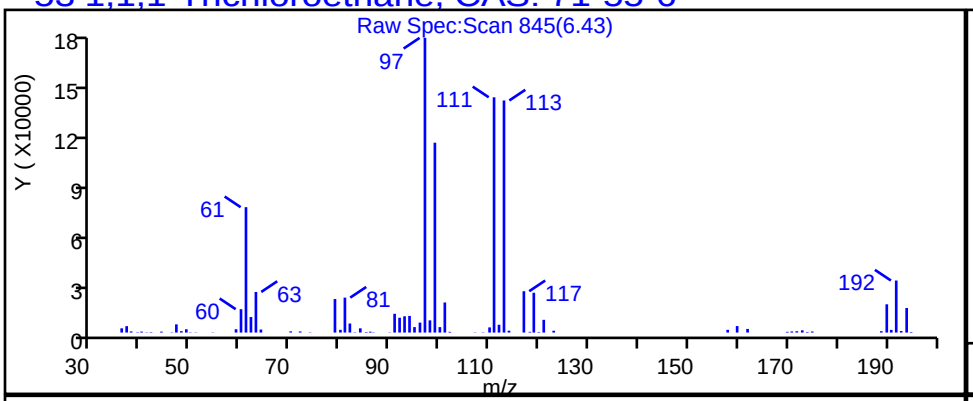
First Level Reviewer: FQ4L Date: 26-Mar-2024 14:53:50

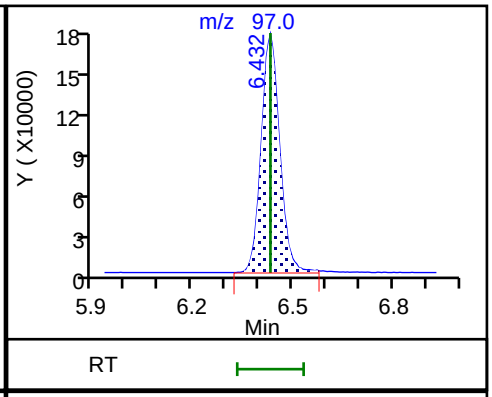
Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.2	112.41
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	11.9	118.53
$ 83 Toluene-d8 (Surr)	10.0	9.82	98.24
$ 124 4-Bromofluorobenzene (Surr)	10.0	8.79	87.91

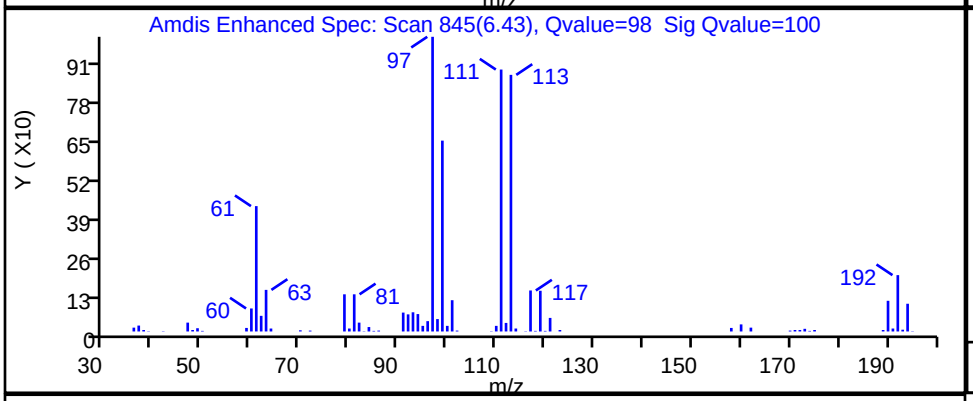
Eurofins Lancaster Laboratories Environment Testing, LLC

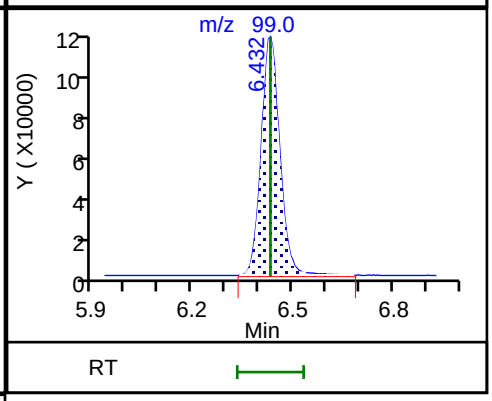
Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X23.D				
Injection Date:	26-Mar-2024 03:30:30	Instrument ID:	10193		
Lims ID:	410-164764-A-8	Lab Sample ID:	410-164764-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

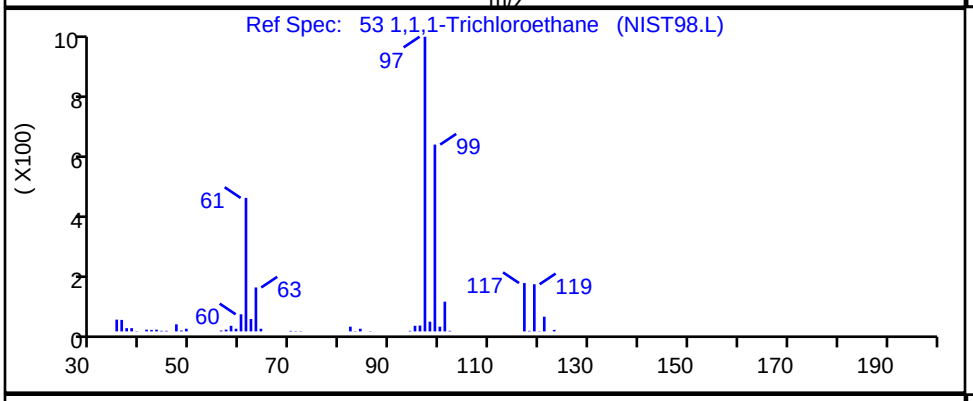
53 1,1,1-Trichloroethane, CAS: 71-55-6

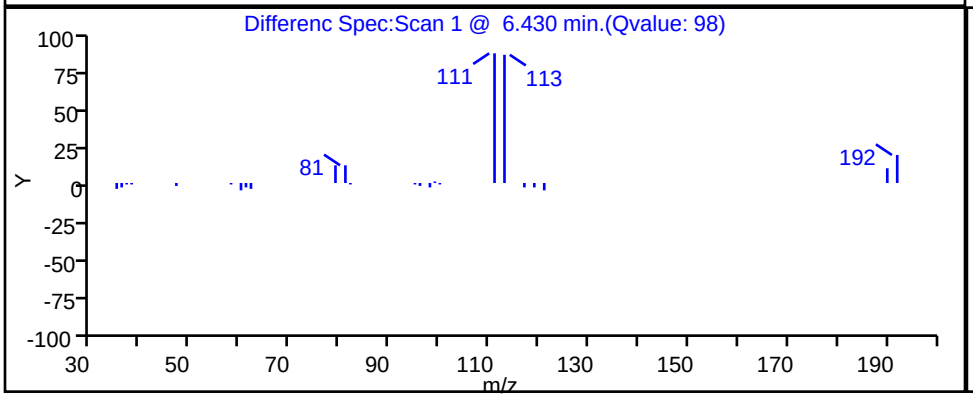


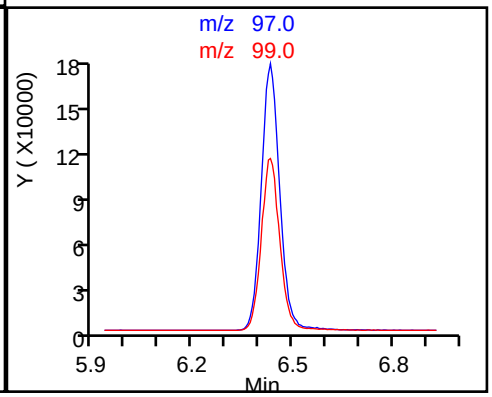








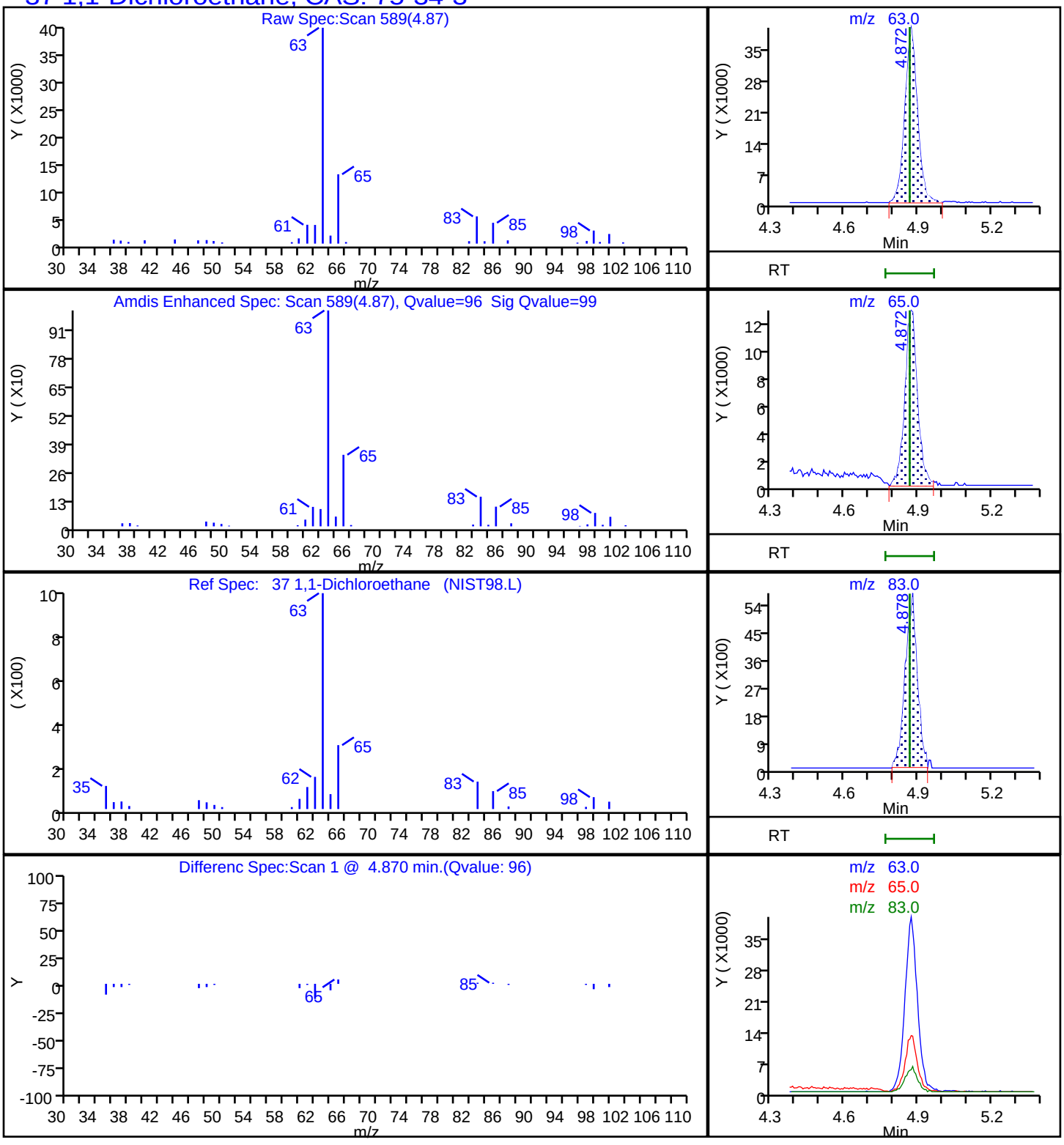




Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X23.D				
Injection Date:	26-Mar-2024 03:30:30	Instrument ID:	10193		
Lims ID:	410-164764-A-8	Lab Sample ID:	410-164764-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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



Report Date: 26-Mar-2024 14:53:50 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X23.D

Injection Date: 26-Mar-2024 03:30:30 Instrument ID: 10193

Lims ID: 410-164764-A-8 Lab Sample ID: 410-164764-8

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

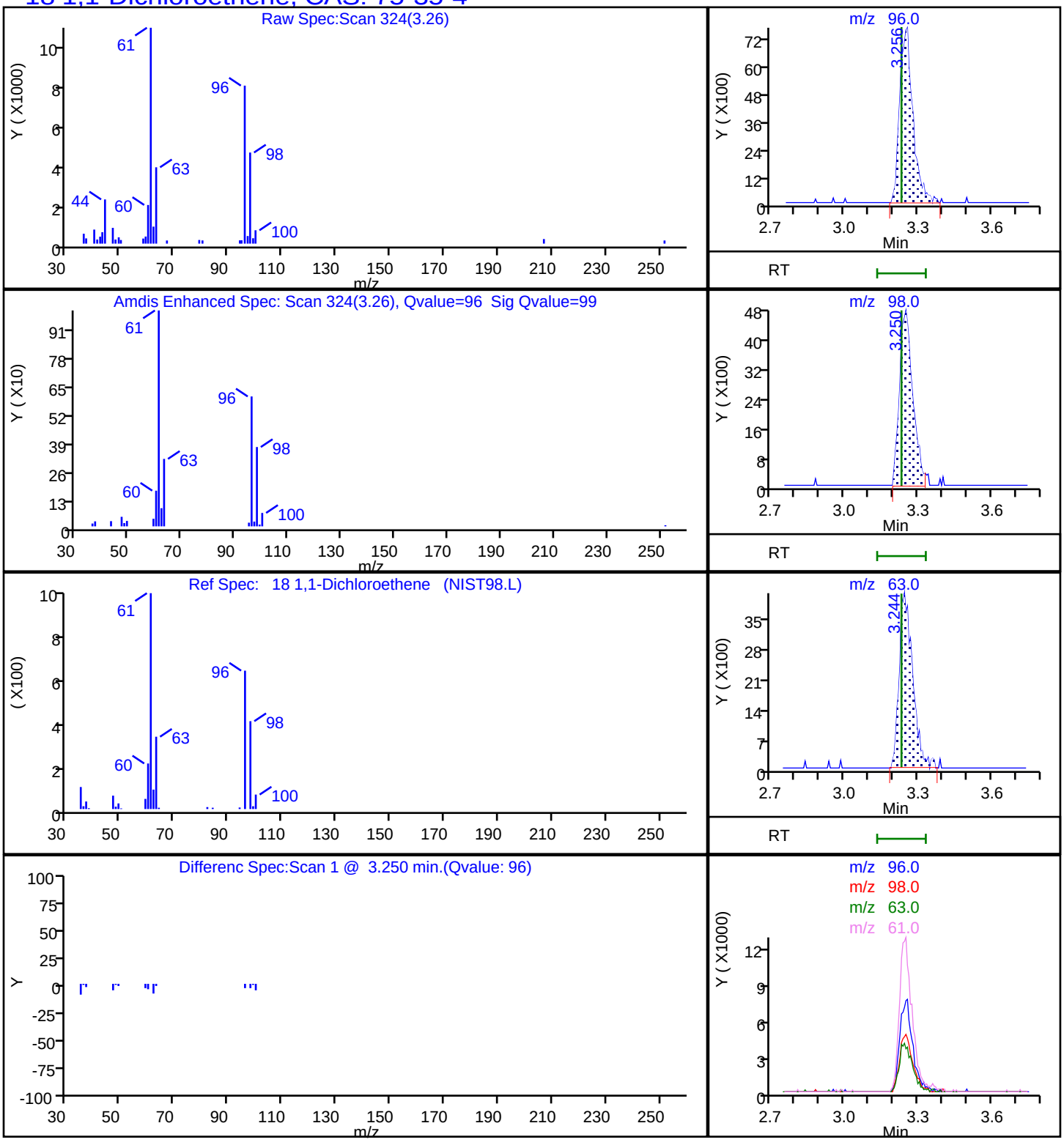
Operator ID: gaw91131 ALS Bottle#: 23 Worklist Smp#: 24

Purge Vol: 25.000 mL Dil. Factor: 1.0000

Method: MSV_10193_25mL Limit Group: MSV - 8260C_D

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

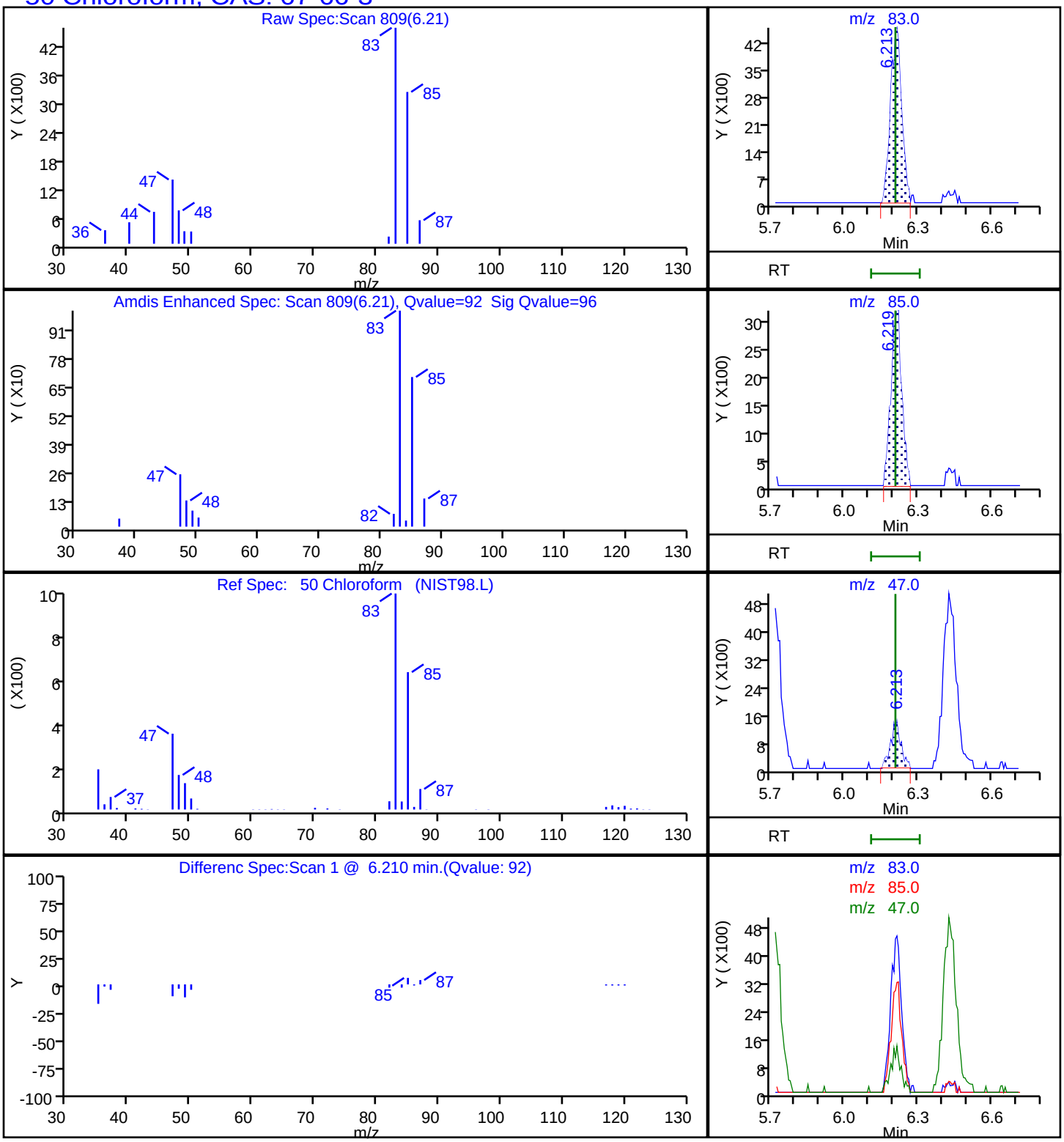
18 1,1-Dichloroethene, CAS: 75-35-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X23.D				
Injection Date:	26-Mar-2024 03:30:30	Instrument ID:	10193		
Lims ID:	410-164764-A-8	Lab Sample ID:	410-164764-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

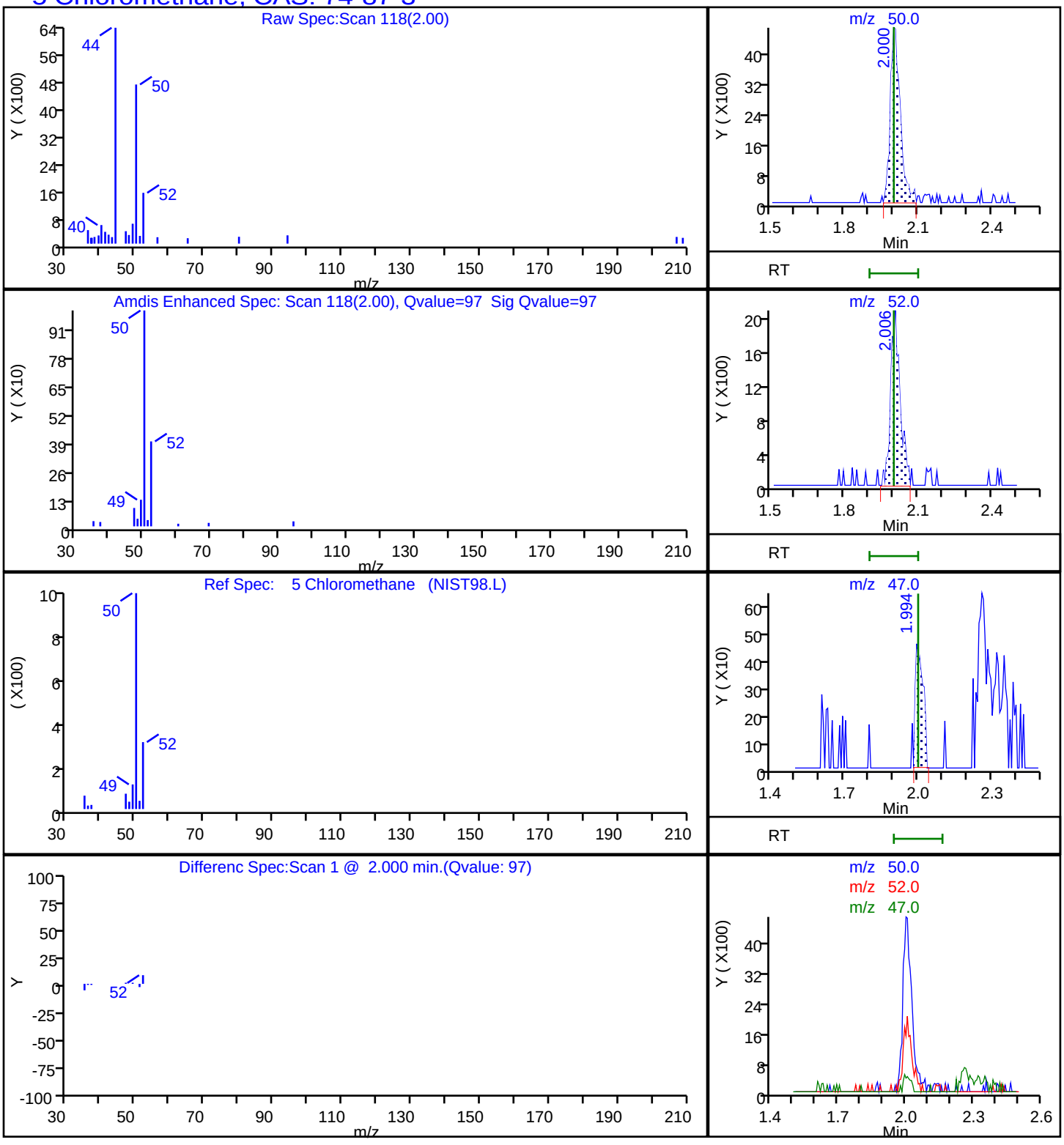
50 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X23.D				
Injection Date:	26-Mar-2024 03:30:30	Instrument ID:	10193		
Lims ID:	410-164764-A-8	Lab Sample ID:	410-164764-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

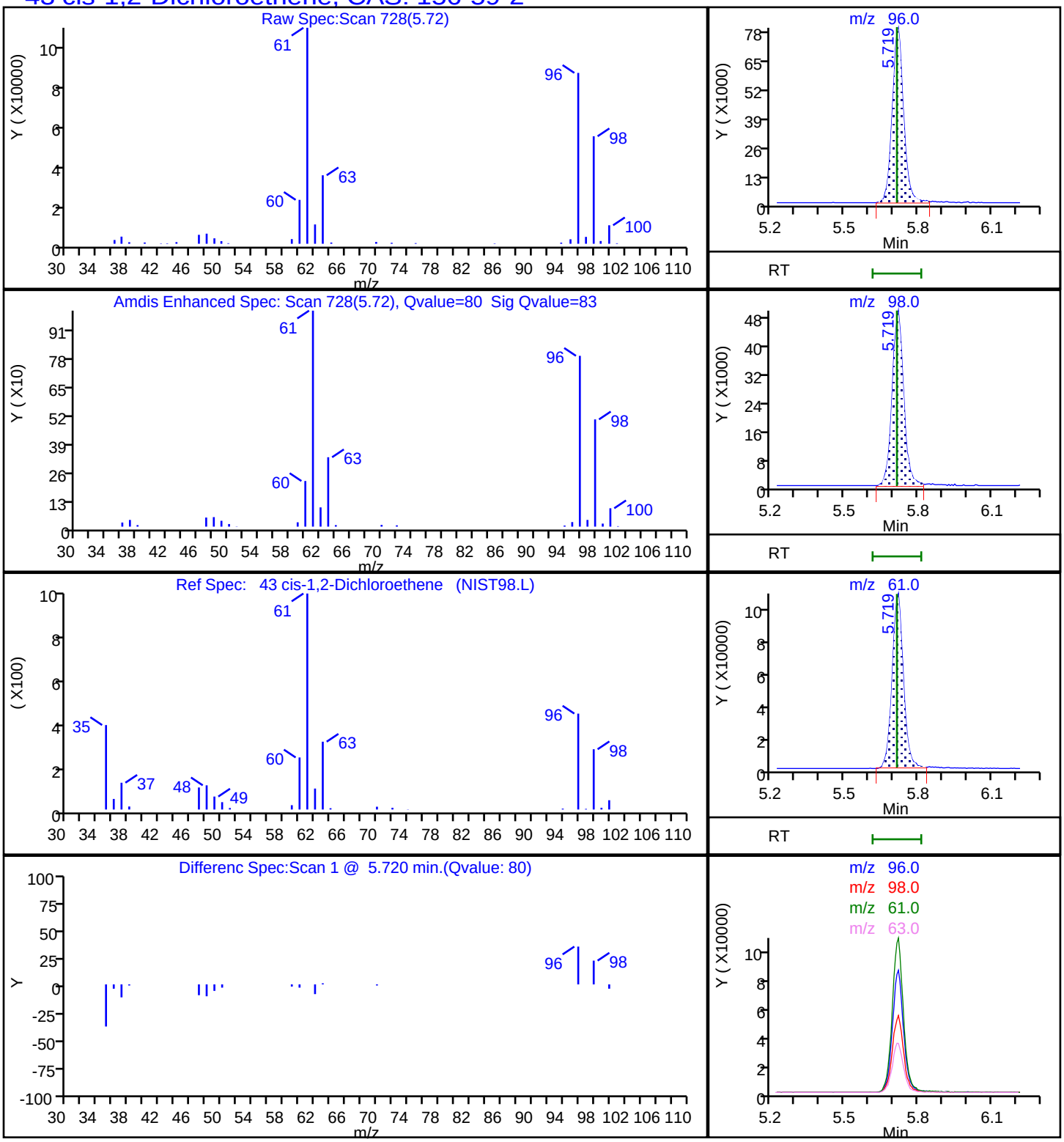
5 Chloromethane, CAS: 74-87-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X23.D				
Injection Date:	26-Mar-2024 03:30:30	Instrument ID:	10193		
Lims ID:	410-164764-A-8	Lab Sample ID:	410-164764-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

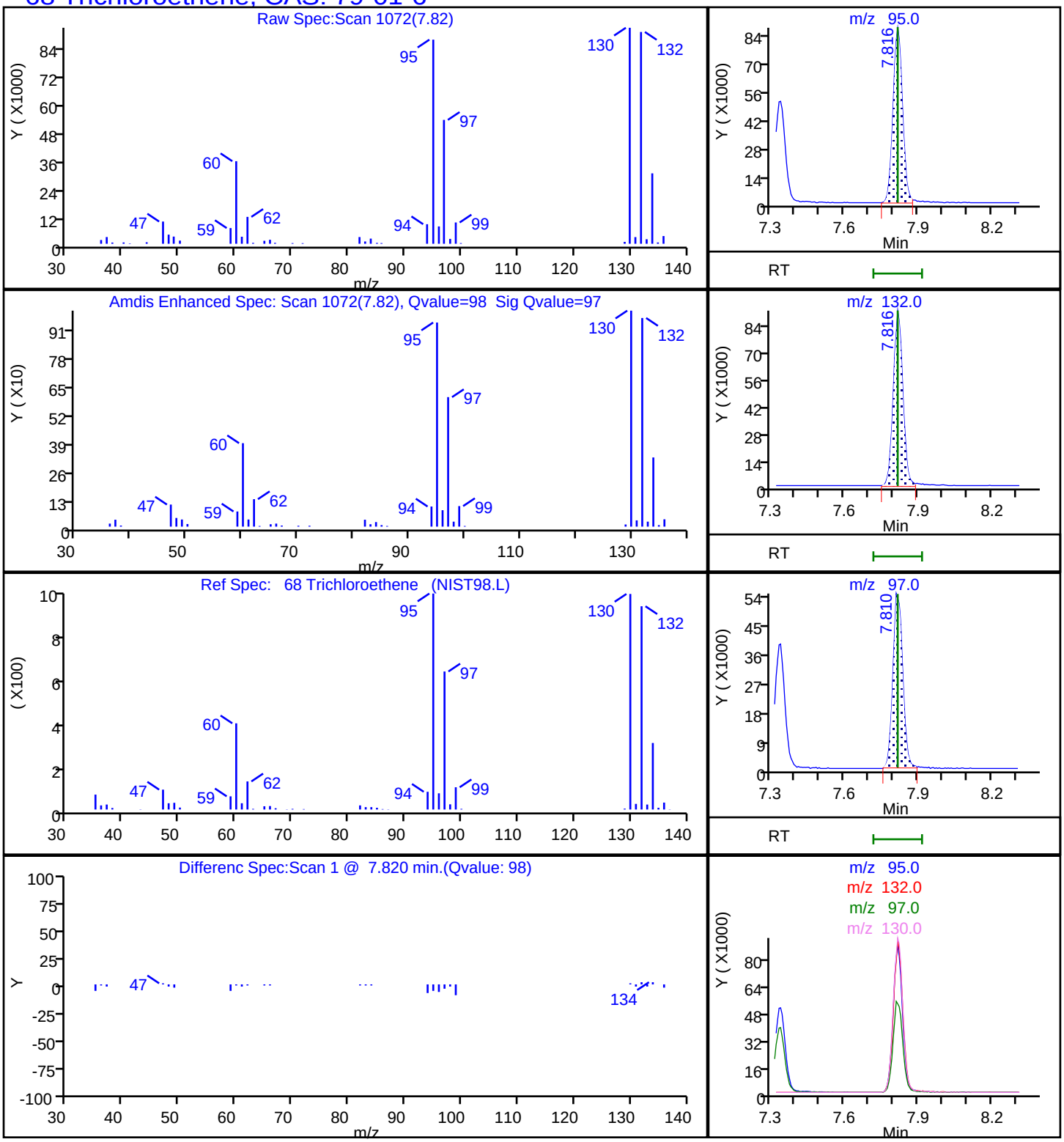
43 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X23.D				
Injection Date:	26-Mar-2024 03:30:30	Instrument ID:	10193		
Lims ID:	410-164764-A-8	Lab Sample ID:	410-164764-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

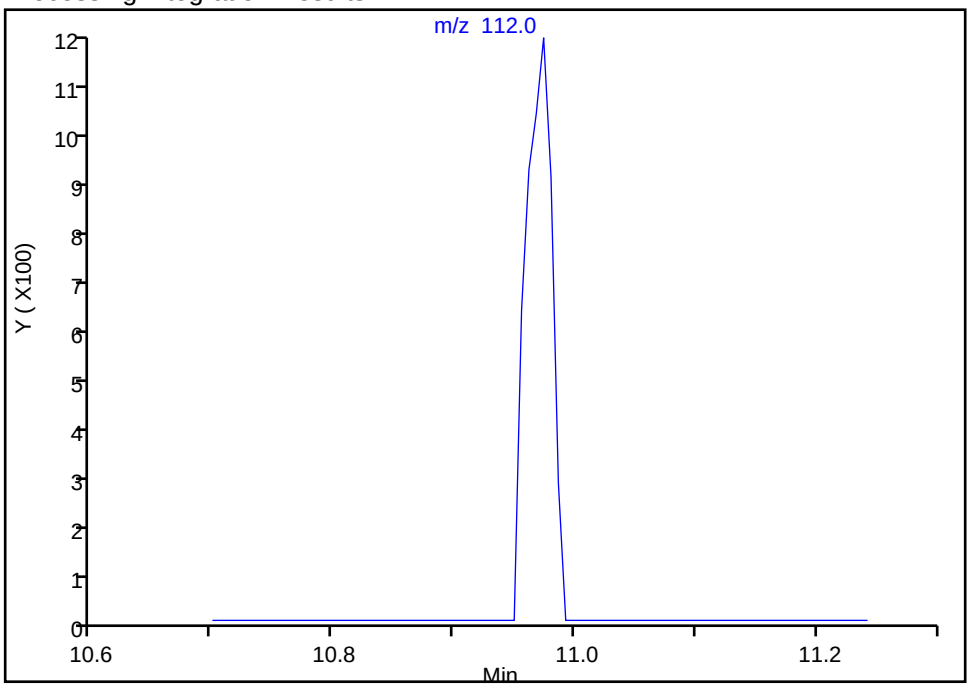
Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X23.D				
Injection Date:	26-Mar-2024 03:30:30	Instrument ID:	10193		
Lims ID:	410-164764-A-8	Lab Sample ID:	410-164764-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

113 Chlorobenzene, CAS: 108-90-7

Signal: 1

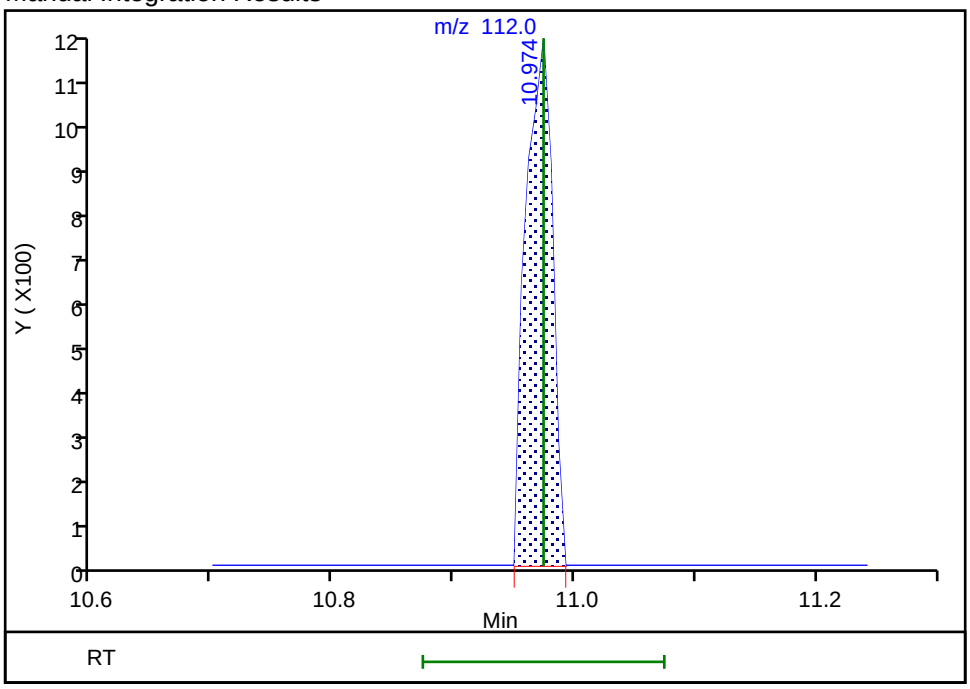
Not Detected
Expected RT: 10.97

Processing Integration Results



Manual Integration Results

RT: 10.97
Area: 1733
Amount: 0.010753
Amount Units: ug/l



Reviewer: FQ4L, 26-Mar-2024 14:53:43 07:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-17-0/1-0 DL
Lab Sample ID: 410-164764-8 DL

Matrix: Water
Lab File ID: CM25X24.D

Analysis Method: 8260D
Date Collected: 03/20/2024 08:45

Sample wt/vol: 25(mL)
Date Analyzed: 03/26/2024 03:52

Soil Aliquot Vol:
Dilution Factor: 10

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

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

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

Analysis Batch No.: 486836
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	120		5.0	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	121	S1+	80-120
460-00-4	4-Bromofluorobenzene (Surr)	88		80-120
1868-53-7	Dibromofluoromethane (Surr)	113		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X24.D
Lims ID: 410-164764-B-8 DL
Client ID: HD-COD-SW-17-0/1-0
Sample Type: Client
Inject. Date: 26-Mar-2024 03:52:30 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 25.000 mL Dil. Factor: 10.0000
Sample Info: 410-0109513-025
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Mar-2024 15:18:23 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: FQ4L Date: 26-Mar-2024 15:18:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.000				ND	7
6 Vinyl chloride	62		2.104				ND	7
9 Bromomethane	94		2.402				ND	7
10 Chloroethane	64		2.470				ND	
18 1,1-Dichloroethene	96	3.232	3.232	0.000	90	2395	0.0620	M
20 Acetone	43		3.262				ND	7
25 Carbon disulfide	76		3.494				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.853	3.829	0.024	94	137124	50.0	
30 Methylene Chloride	84		3.835				ND	
34 Methyl tert-butyl ether	73		4.195				ND	
35 trans-1,2-Dichloroethene	96		4.201				ND	
37 1,1-Dichloroethane	63	4.853	4.865	-0.012	96	12504	0.1482	
42 2-Butanone (MEK)	43		5.682				ND	7
43 cis-1,2-Dichloroethene	96	5.713	5.713	0.000	79	23963	0.4620	
48 Chlorobromomethane	128		6.042				ND	
50 Chloroform	83	6.207	6.207	0.000	95	5562	0.0649	
$ 54 Dibromofluoromethane (Surr)	113	6.420	6.426	-0.006	94	435465	11.3	
53 1,1,1-Trichloroethane	97	6.432	6.432	0.000	41	56881	0.7981	
56 Carbon tetrachloride	117		6.639				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.889	6.883	0.006	99	94449	12.1	
60 Benzene	78		6.914				ND	
61 1,2-Dichloroethane	62		6.987				ND	
* 65 Fluorobenzene (IS)	96	7.328	7.328	0.000	99	1730909	10.0	
68 Trichloroethene	95	7.816	7.816	0.000	98	21418	0.4217	
70 1,2-Dichloropropane	63		8.157				ND	7
76 Dichlorobromomethane	83		8.517				ND	
80 cis-1,3-Dichloropropene	75		9.084				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.291				ND	
$ 83 Toluene-d8 (Surr)	98	9.413	9.413	0.000	93	1770896	9.97	
84 Toluene	92		9.493				ND	7
85 trans-1,3-Dichloropropene	75		9.779				ND	
87 1,1,2-Trichloroethane	97		9.992				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166	10.072	10.072	0.000	98	757658	12.2	
106 2-Hexanone	43		10.224				ND	
108 Chlorodibromomethane	129		10.377				ND	
110 Ethylene Dibromide	107		10.486				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.943	10.943	0.000	85	1404789	10.0	
113 Chlorobenzene	112		10.974				ND	
114 1,1,1,2-Tetrachloroethane	131		11.059				ND	
115 Ethylbenzene	91		11.065				ND	
116 m-Xylene & p-Xylene	106		11.187				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.523				ND	
119 Styrene	104		11.541				ND	
120 Bromoform	173		11.693				ND	7
$ 124 4-Bromofluorobenzene (Surr)	95	11.980	11.980	0.000	94	624255	8.75	
126 1,1,2,2-Tetrachloroethane	83		12.096				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	786681	10.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

MSV_HP25_ISSS_00085 Amount Added: 1.00 Units: uL Run Reagent

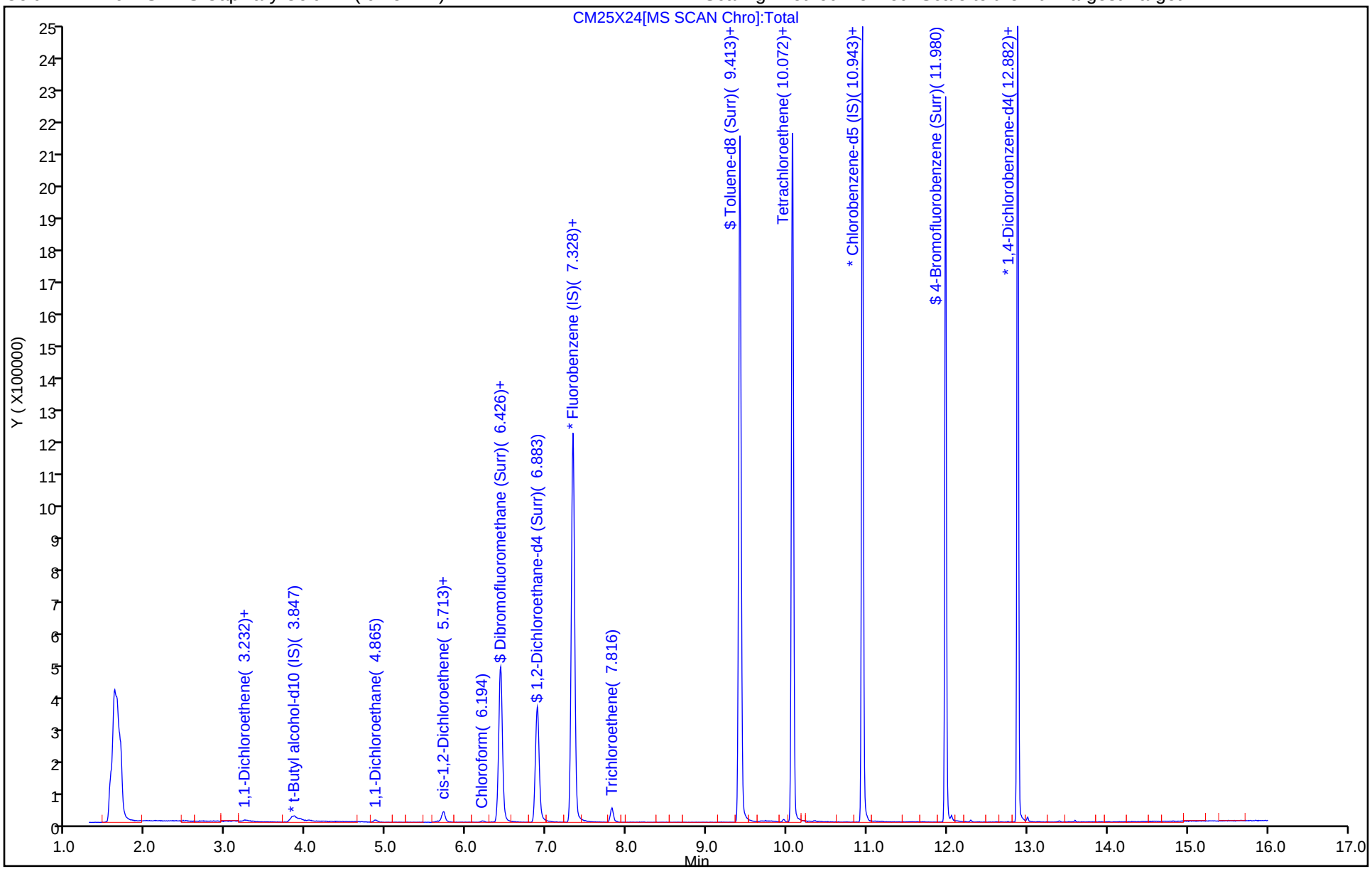
Report Date: 26-Mar-2024 15:18:23 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X24.D

Injection Date:	26-Mar-2024 03:52:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	410-164764-B-8 DL	Lab Sample ID:	410-164764-8	Worklist Smp#:	25
Client ID:	HD-COD-SW-17-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	24
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X24.D				
Lims ID:	410-164764-B-8 DL				
Client ID:	HD-COD-SW-17-0/1-0				
Sample Type:	Client				
Inject. Date:	26-Mar-2024 03:52:30	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	25.000 mL	Dil. Factor:	10.0000		
Sample Info:	410-0109513-025				
Operator ID:	gaw91131	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	26-Mar-2024 15:18:23	Calib Date:	11-Dec-2023 23:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1660				

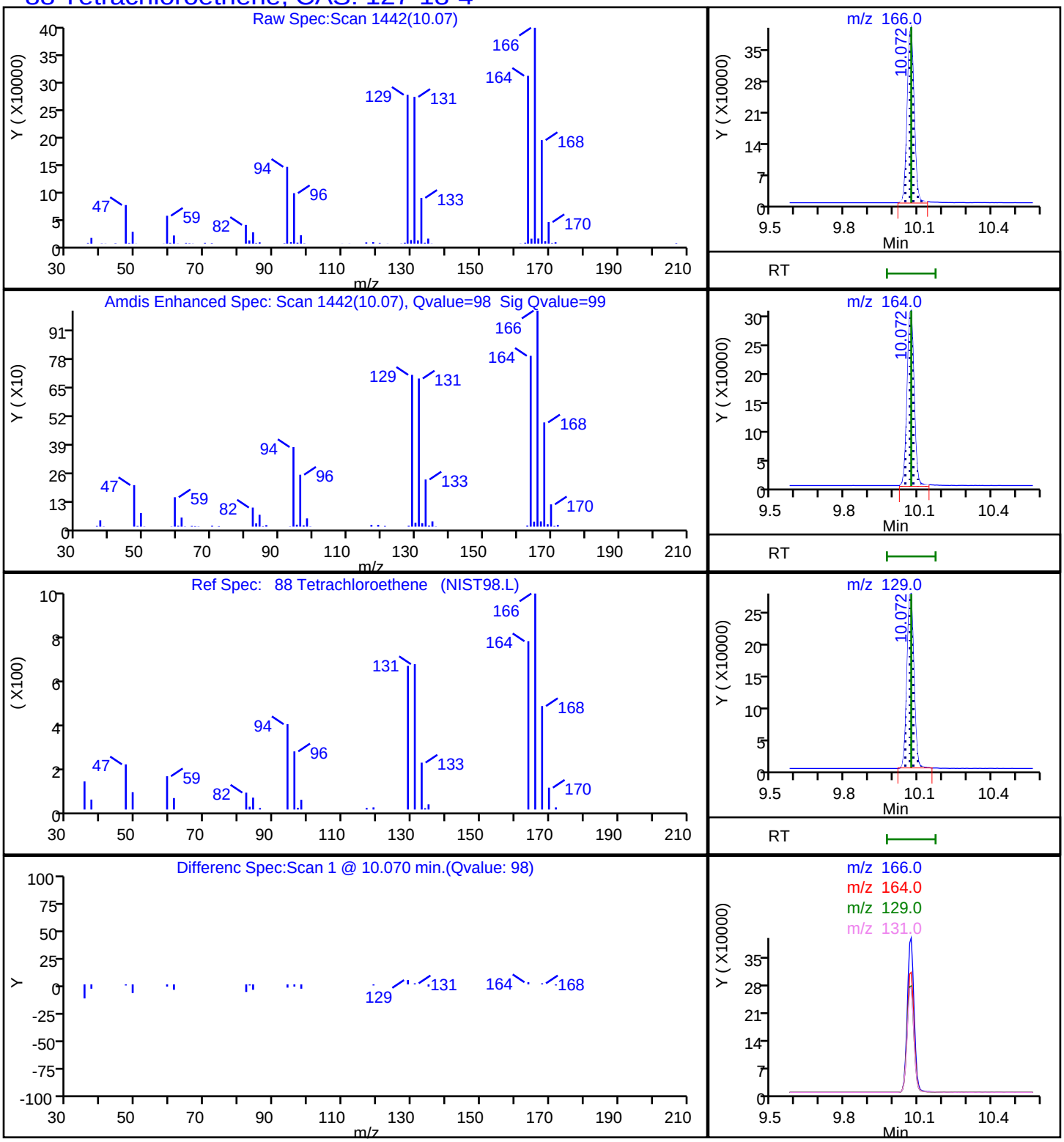
First Level Reviewer: FQ4L Date: 26-Mar-2024 15:18:23

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.3	112.80
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	12.1	120.88
$ 83 Toluene-d8 (Surr)	10.0	9.97	99.72
$ 124 4-Bromofluorobenzene (Surr)	10.0	8.75	87.54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X24.D				
Injection Date:	26-Mar-2024 03:52:30	Instrument ID:	10193		
Lims ID:	410-164764-B-8 DL	Lab Sample ID:	410-164764-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	25.000 mL	Dil. Factor:	10.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

88 Tetrachloroethene, CAS: 127-18-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-26-0/1-0
Lab Sample ID: 410-164764-9

Matrix: Water
Lab File ID: CM27X16.D

Analysis Method: 8260D
Date Collected: 03/20/2024 09:50

Sample wt/vol: 25(mL)
Date Analyzed: 03/27/2024 15:51

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 487558
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.16	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.89		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-26-0/1-0
Lab Sample ID: 410-164764-9

Matrix: Water
Lab File ID: CM27X16.D

Analysis Method: 8260D
Date Collected: 03/20/2024 09:50

Sample wt/vol: 25(mL)
Date Analyzed: 03/27/2024 15:51

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 487558
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	0.097	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		80-120
460-00-4	4-Bromofluorobenzene (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		80-120
2037-26-5	Toluene-d8 (Surr)	107		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27X16.D
Lims ID: 410-164764-A-9
Client ID: HD-COD-SW-26-0/1-0
Sample Type: Client
Inject. Date: 27-Mar-2024 15:51:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109672-017
Operator ID: knk41612 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20240327-109672.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2024 09:00:55 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1612

First Level Reviewer: N9NA Date: 28-Mar-2024 09:01:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.000				ND	7
6 Vinyl chloride	62		2.104				ND	7
9 Bromomethane	94		2.409				ND	
10 Chloroethane	64		2.470				ND	
18 1,1-Dichloroethene	96	3.231	3.238	-0.007	3	1534	0.0356	
20 Acetone	43	3.250	3.262	-0.012	44	6786	0.8931	
25 Carbon disulfide	76		3.500				ND	7
30 Methylene Chloride	84		3.835				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.841	3.835	0.006	96	145145	50.0	
34 Methyl tert-butyl ether	73		4.201				ND	7
35 trans-1,2-Dichloroethene	96		4.207				ND	
37 1,1-Dichloroethane	63		4.866				ND	7
42 2-Butanone (MEK)	43		5.676				ND	7
43 cis-1,2-Dichloroethene	96	5.707	5.713	-0.006	77	3231	0.0558	
48 Chlorobromomethane	128		6.048				ND	
50 Chloroform	83	6.200	6.207	-0.007	89	14973	0.1563	
$ 54 Dibromofluoromethane (Surr)	113	6.426	6.426	0.000	94	449123	10.4	
53 1,1,1-Trichloroethane	97		6.432				ND	
56 Carbon tetrachloride	117		6.640				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.883	6.883	0.000	99	93569	10.7	
60 Benzene	78		6.914				ND	7
61 1,2-Dichloroethane	62		6.993				ND	
* 65 Fluorobenzene (IS)	96	7.328	7.335	-0.007	99	1933707	10.0	
68 Trichloroethene	95	7.810	7.816	-0.006	97	5530	0.0975	
70 1,2-Dichloropropane	63		8.158				ND	
76 Dichlorobromomethane	83		8.511				ND	7
80 cis-1,3-Dichloropropene	75		9.084				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.291				ND	7
$ 83 Toluene-d8 (Surr)	98	9.413	9.413	0.000	94	1971071	10.7	
84 Toluene	92	9.499	9.493	0.005	98	6057	0.0433	
85 trans-1,3-Dichloropropene	75		9.779				ND	7
87 1,1,2-Trichloroethane	97		9.993				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166	10.072	10.072	0.000	97	57240	0.8858	
106 2-Hexanone	43		10.230				ND	7
108 Chlorodibromomethane	129		10.383				ND	7
110 Ethylene Dibromide	107		10.492				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.943	10.944	-0.001	85	1456537	10.0	
113 Chlorobenzene	112		10.974				ND	7
114 1,1,1,2-Tetrachloroethane	131		11.059				ND	
115 Ethylbenzene	91		11.066				ND	7
116 m-Xylene & p-Xylene	106		11.187				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.523				ND	7
119 Styrene	104		11.541				ND	7
120 Bromoform	173		11.700				ND	7
$ 124 4-Bromofluorobenzene (Surr)	95	11.980	11.980	0.000	94	666273	9.01	
126 1,1,2,2-Tetrachloroethane	83		12.096				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	858261	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

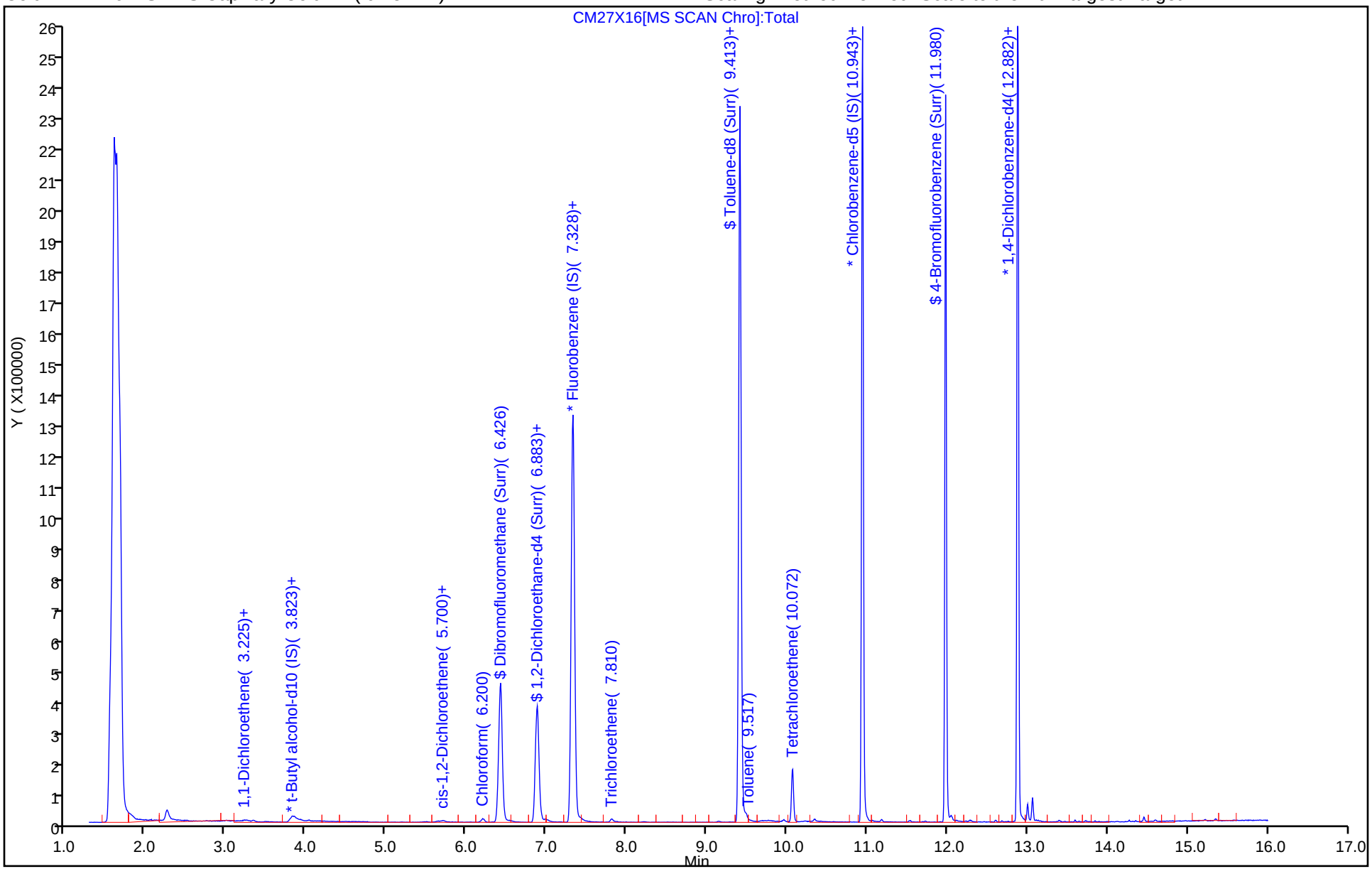
MSV_HP25_ISSS_00086 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 28-Mar-2024 09:01:29 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27X16.D				
Injection Date:	27-Mar-2024 15:51:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	410-164764-A-9	Lab Sample ID:	410-164764-9	Worklist Smp#:	17
Client ID:	HD-COD-SW-26-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27X16.D
Lims ID: 410-164764-A-9
Client ID: HD-COD-SW-26-0/1-0
Sample Type: Client
Inject. Date: 27-Mar-2024 15:51:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109672-017
Operator ID: knk41612 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20240327-109672.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2024 09:00:55 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1612

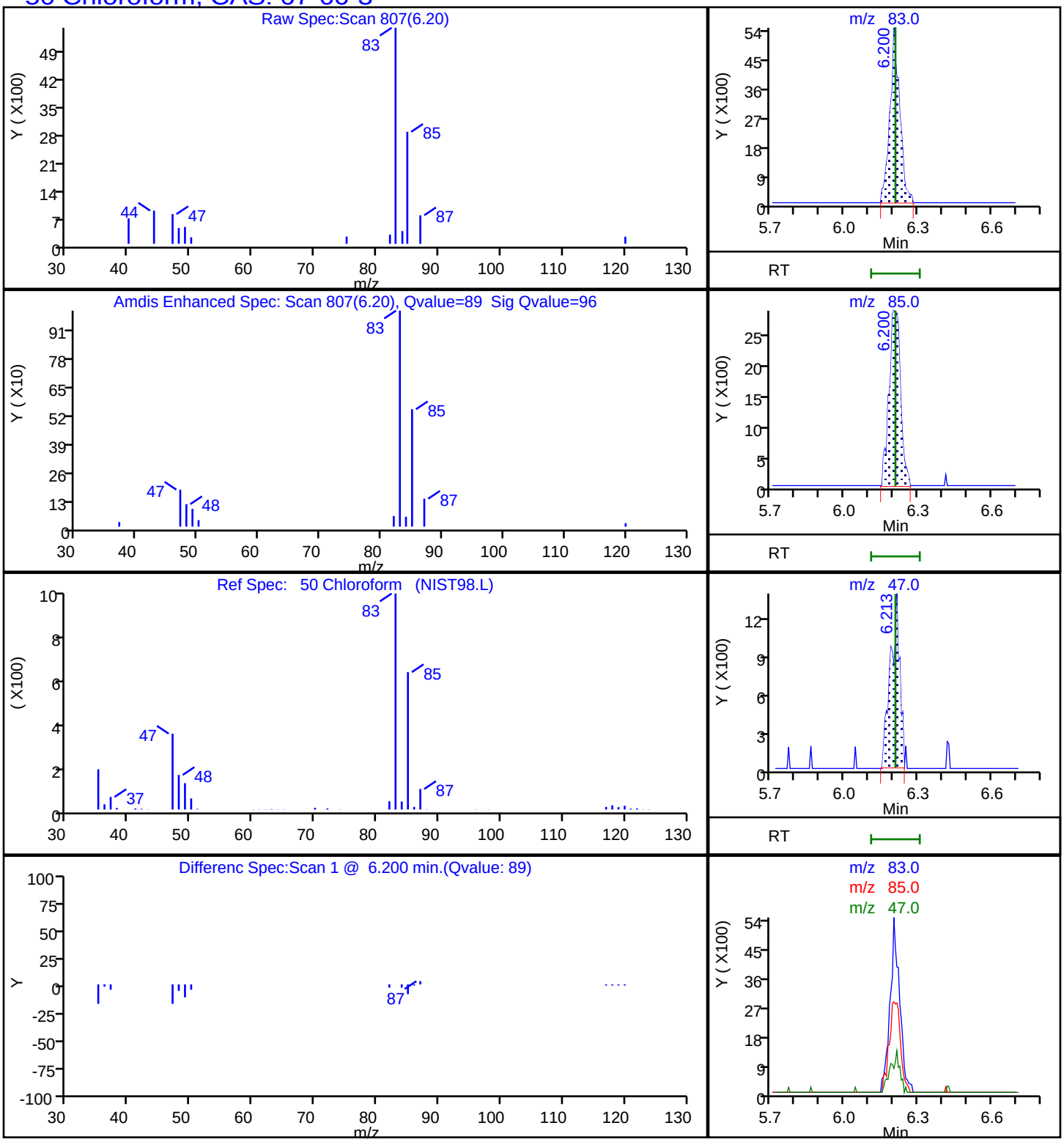
First Level Reviewer: N9NA Date: 28-Mar-2024 09:01:28

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	10.4	104.14
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.7	107.20
$ 83 Toluene-d8 (Surr)	10.0	10.7	107.05
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.01	90.11

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27X16.D				
Injection Date:	27-Mar-2024 15:51:30	Instrument ID:	10193		
Lims ID:	410-164764-A-9	Lab Sample ID:	410-164764-9		
Client ID:	HD-COD-SW-26-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

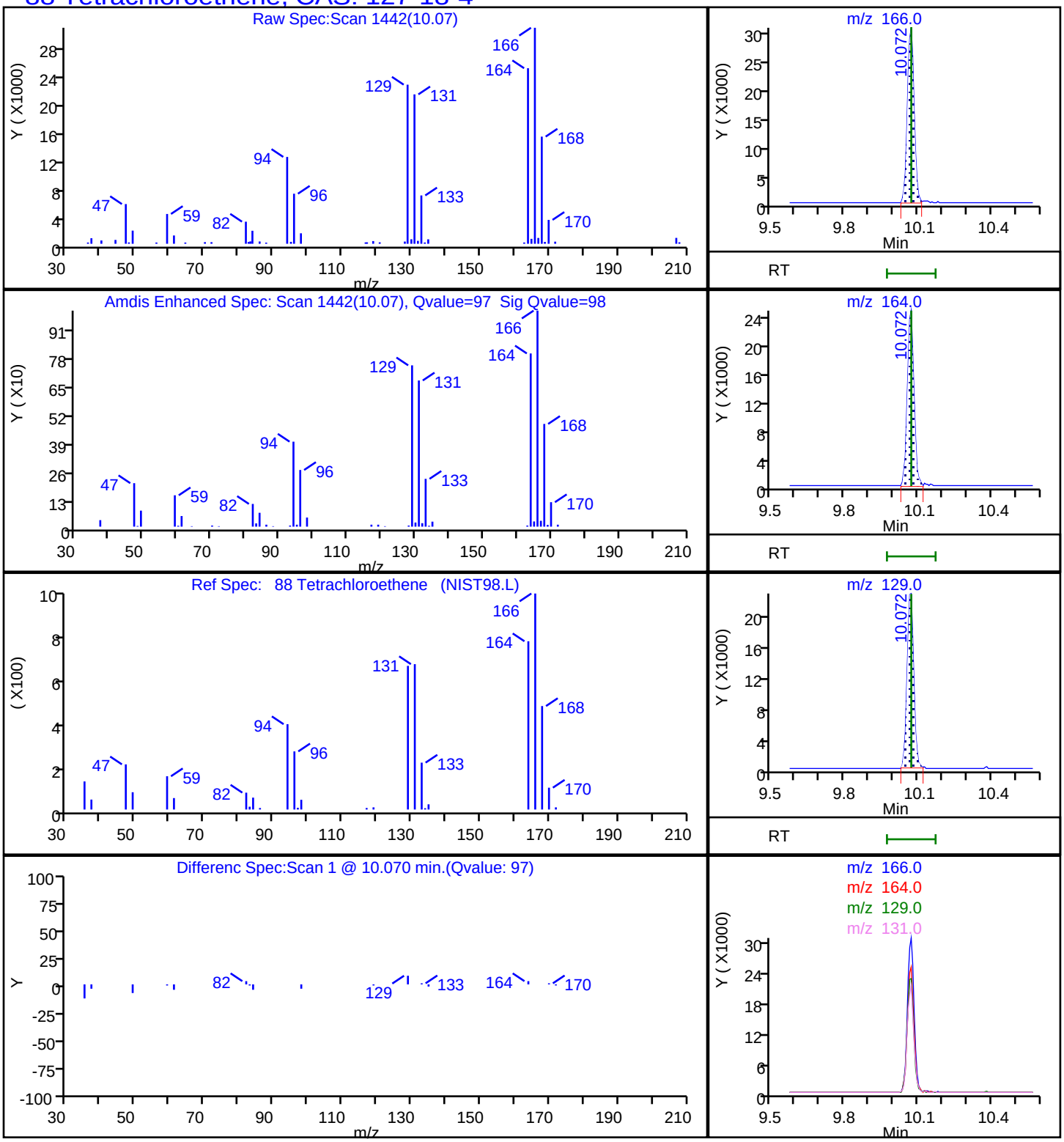
50 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27X16.D				
Injection Date:	27-Mar-2024 15:51:30	Instrument ID:	10193		
Lims ID:	410-164764-A-9	Lab Sample ID:	410-164764-9		
Client ID:	HD-COD-SW-26-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

88 Tetrachloroethene, CAS: 127-18-4

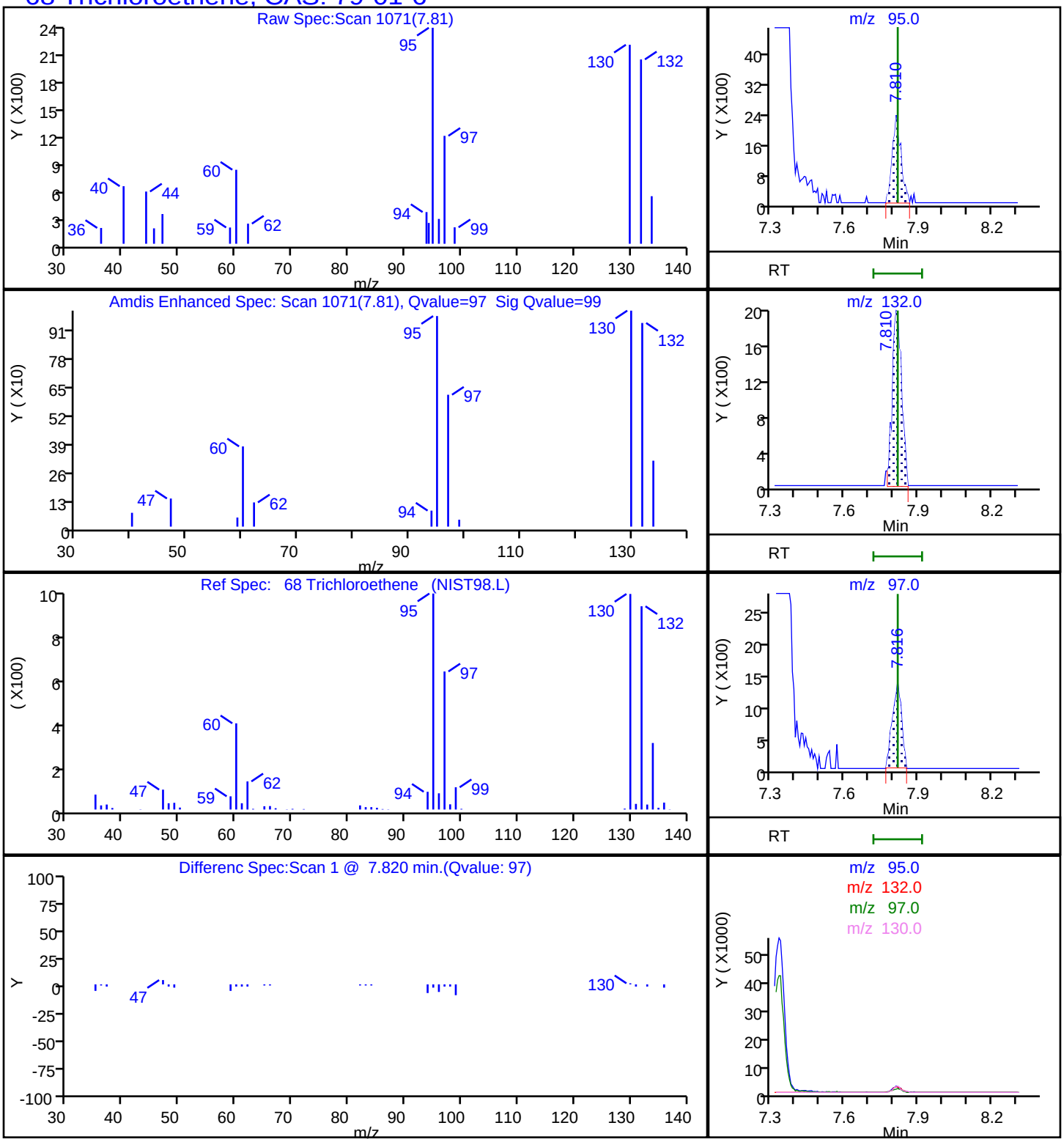


Report Date: 28-Mar-2024 09:01:29 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27X16.D				
Injection Date:	27-Mar-2024 15:51:30	Instrument ID:	10193		
Lims ID:	410-164764-A-9	Lab Sample ID:	410-164764-9		
Client ID:	HD-COD-SW-26-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-27-0/1-0
Lab Sample ID: 410-164764-10

Matrix: Water
Lab File ID: CM27X17.D

Analysis Method: 8260D
Date Collected: 03/20/2024 10:25

Sample wt/vol: 25(mL)
Date Analyzed: 03/27/2024 16:13

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 487558
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	1.3	J	5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	0.10	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.082	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-27-0/1-0
Lab Sample ID: 410-164764-10

Matrix: Water
Lab File ID: CM27X17.D

Analysis Method: 8260D
Date Collected: 03/20/2024 10:25

Sample wt/vol: 25(mL)
Date Analyzed: 03/27/2024 16:13

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 487558
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	0.096	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		80-120
460-00-4	4-Bromofluorobenzene (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	111		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27X17.D
Lims ID: 410-164764-A-10
Client ID: HD-COD-SW-27-0/1-0
Sample Type: Client
Inject. Date: 27-Mar-2024 16:13:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109672-018
Operator ID: knk41612 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20240327-109672.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2024 09:00:55 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1612

First Level Reviewer: N9NA Date: 28-Mar-2024 09:02:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.988	2.000	-0.012	99	7218	0.1021	
6 Vinyl chloride	62		2.104				ND	
9 Bromomethane	94		2.409				ND	7
10 Chloroethane	64		2.470				ND	
18 1,1-Dichloroethene	96		3.238				ND	7
20 Acetone	43	3.268	3.262	0.006	87	9541	1.27	
25 Carbon disulfide	76	3.500	3.500	0.000	94	4339	0.0315	
30 Methylene Chloride	84		3.835				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.835	3.835	0.000	96	143947	50.0	
34 Methyl tert-butyl ether	73		4.201				ND	7
35 trans-1,2-Dichloroethene	96		4.207				ND	
37 1,1-Dichloroethane	63		4.866				ND	
42 2-Butanone (MEK)	43		5.676				ND	7
43 cis-1,2-Dichloroethene	96	5.719	5.713	0.006	77	4349	0.0818	
48 Chlorobromomethane	128		6.048				ND	
50 Chloroform	83	6.201	6.207	-0.006	91	3851	0.0438	
$ 54 Dibromofluoromethane (Surr)	113	6.426	6.426	0.000	94	437863	11.1	
53 1,1,1-Trichloroethane	97		6.432				ND	
56 Carbon tetrachloride	117		6.640				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.877	6.883	-0.006	99	95216	11.9	
60 Benzene	78		6.914				ND	7
61 1,2-Dichloroethane	62		6.993				ND	
* 65 Fluorobenzene (IS)	96	7.328	7.335	-0.007	99	1773322	10.0	
68 Trichloroethene	95	7.816	7.816	0.000	94	4994	0.0960	
70 1,2-Dichloropropane	63		8.158				ND	
76 Dichlorobromomethane	83		8.511				ND	
80 cis-1,3-Dichloropropene	75		9.084				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.291				ND	7
$ 83 Toluene-d8 (Surr)	98	9.413	9.413	0.000	94	1820846	10.2	
84 Toluene	92	9.493	9.493	0.000	97	7260	0.0537	
85 trans-1,3-Dichloropropene	75		9.779				ND	7
87 1,1,2-Trichloroethane	97		9.993				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166	10.066	10.072	-0.006	93	5234	0.0838	
106 2-Hexanone	43		10.230				ND	7
108 Chlorodibromomethane	129		10.383				ND	
110 Ethylene Dibromide	107		10.492				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.944	10.944	0.000	85	1407313	10.0	
113 Chlorobenzene	112		10.974				ND	
114 1,1,1,2-Tetrachloroethane	131		11.059				ND	
115 Ethylbenzene	91		11.066				ND	7
116 m-Xylene & p-Xylene	106		11.187				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.523				ND	7
119 Styrene	104		11.541				ND	7
120 Bromoform	173		11.700				ND	7
$ 124 4-Bromofluorobenzene (Surr)	95	11.980	11.980	0.000	94	641034	8.97	
126 1,1,2,2-Tetrachloroethane	83		12.096				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	790211	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

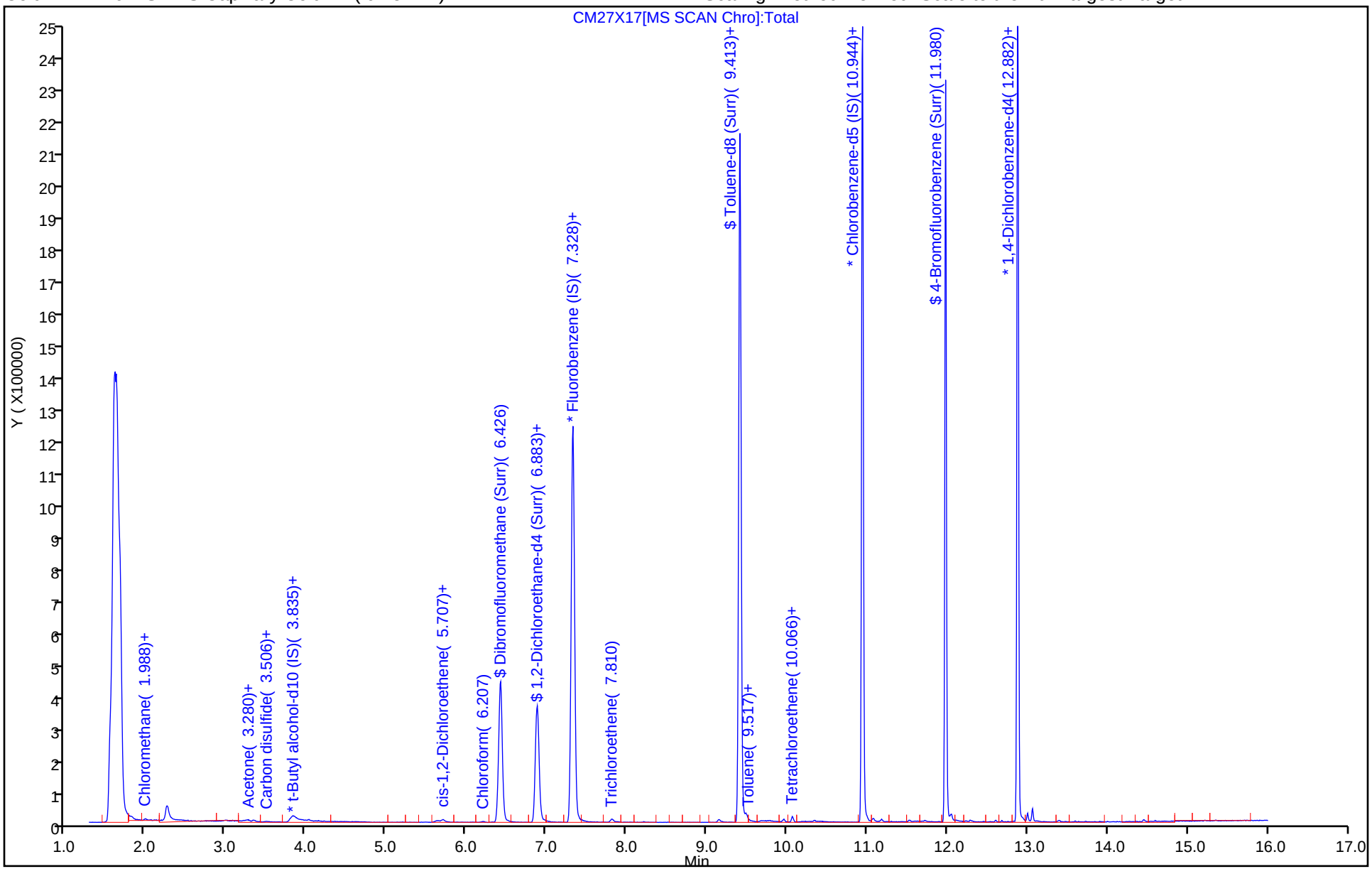
MSV_HP25_ISSS_00086 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 28-Mar-2024 09:02:04 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27X17.D				
Injection Date:	27-Mar-2024 16:13:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	410-164764-A-10	Lab Sample ID:	410-164764-10	Worklist Smp#:	18
Client ID:	HD-COD-SW-27-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27X17.D				
Lims ID:	410-164764-A-10				
Client ID:	HD-COD-SW-27-0/1-0				
Sample Type:	Client				
Inject. Date:	27-Mar-2024 16:13:30	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0109672-018				
Operator ID:	knk41612	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20240327-109672.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	28-Mar-2024 09:00:55	Calib Date:	11-Dec-2023 23:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1612				

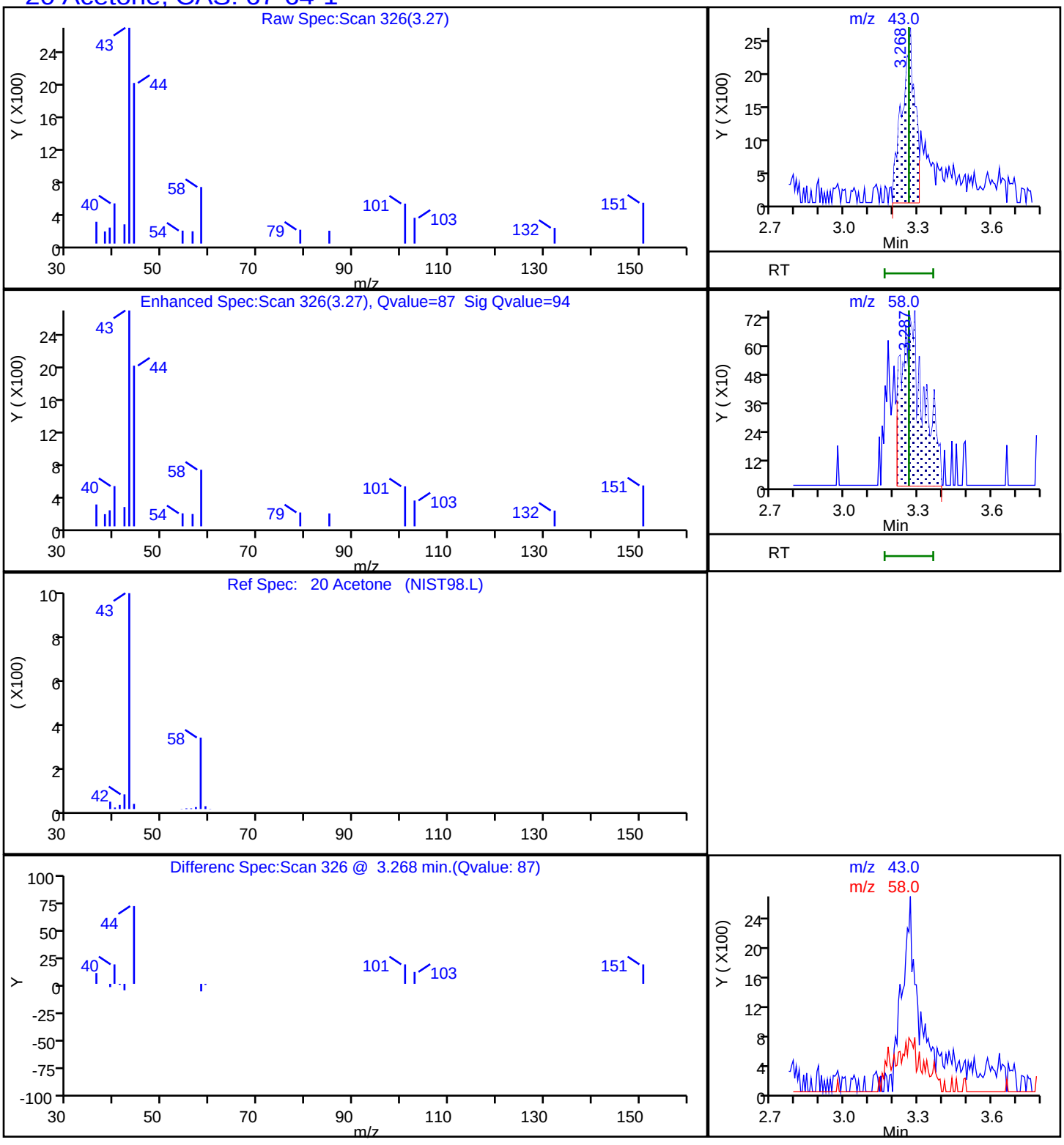
First Level Reviewer: N9NA Date: 28-Mar-2024 09:02:04

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.1	110.71
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	11.9	118.95
$ 83 Toluene-d8 (Surr)	10.0	10.2	102.35
$ 124 4-Bromofluorobenzene (Surr)	10.0	8.97	89.73

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27X17.D				
Injection Date:	27-Mar-2024 16:13:30	Instrument ID:	10193		
Lims ID:	410-164764-A-10	Lab Sample ID:	410-164764-10		
Client ID:	HD-COD-SW-27-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

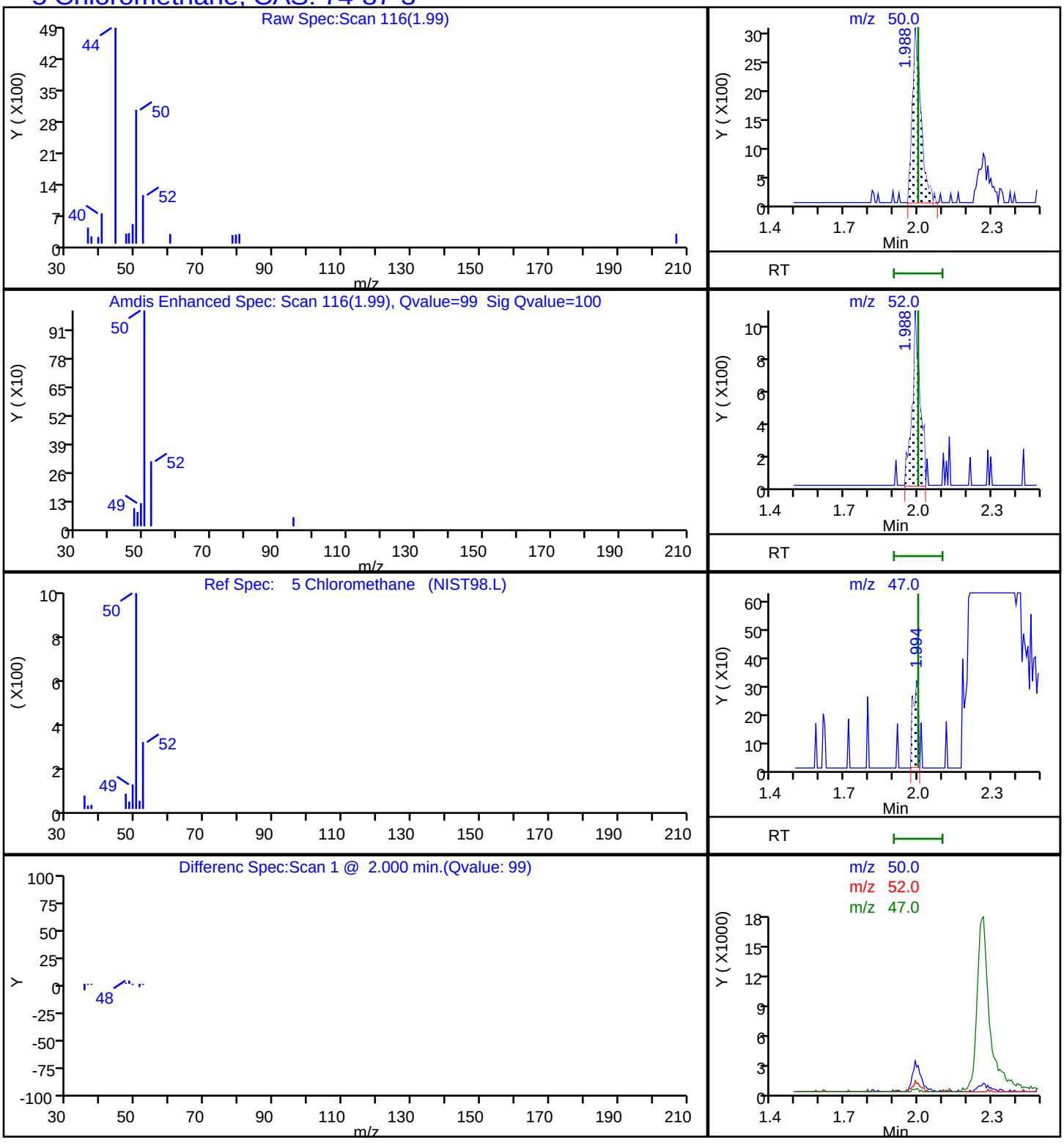
20 Acetone, CAS: 67-64-1



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27X17.D				
Injection Date:	27-Mar-2024 16:13:30	Instrument ID:	10193		
Lims ID:	410-164764-A-10	Lab Sample ID:	410-164764-10		
Client ID:	HD-COD-SW-27-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

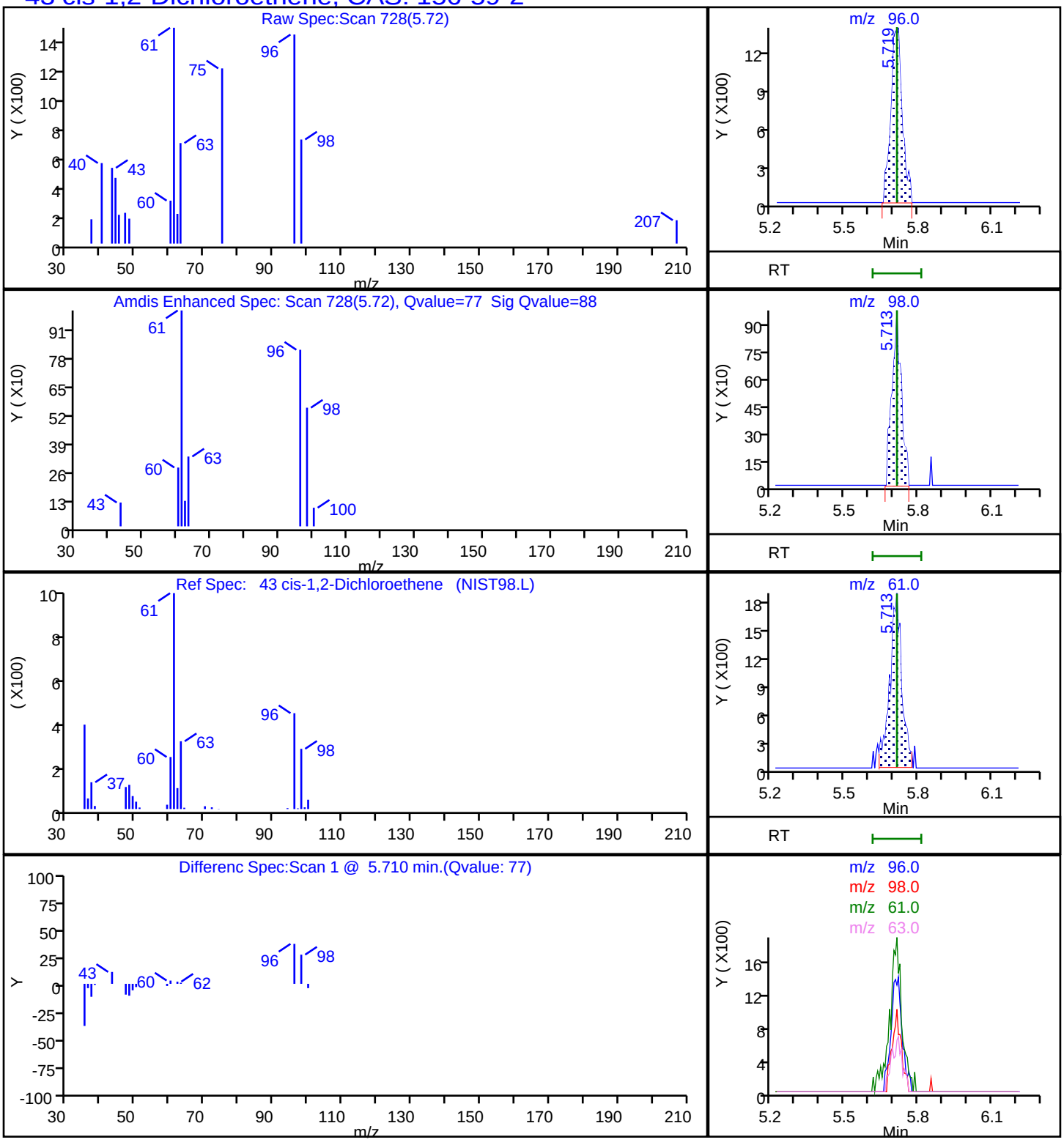
5 Chloromethane, CAS: 74-87-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27X17.D				
Injection Date:	27-Mar-2024 16:13:30	Instrument ID:	10193		
Lims ID:	410-164764-A-10	Lab Sample ID:	410-164764-10		
Client ID:	HD-COD-SW-27-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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

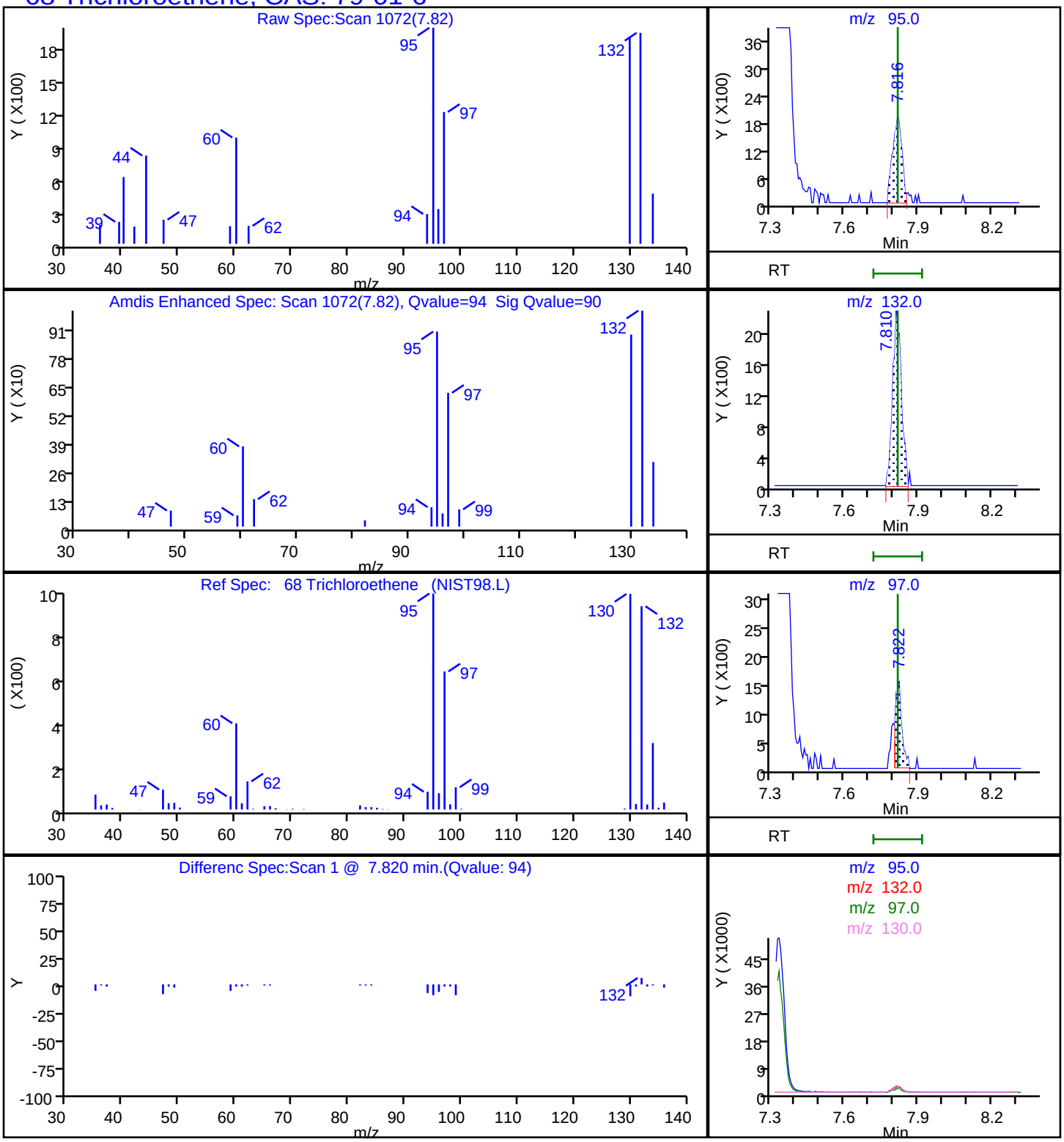


Report Date: 28-Mar-2024 09:02:04 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27X17.D				
Injection Date:	27-Mar-2024 16:13:30	Instrument ID:	10193		
Lims ID:	410-164764-A-10	Lab Sample ID:	410-164764-10		
Client ID:	HD-COD-SW-27-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-28-0/1-0
Lab Sample ID: 410-164764-11

Matrix: Water
Lab File ID: HM28X09.D

Analysis Method: 8260D
Date Collected: 03/20/2024 11:37

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2024 10:22

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 487972
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	1.9	J	5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.29	J	0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-28-0/1-0
Lab Sample ID: 410-164764-11

Matrix: Water
Lab File ID: HM28X09.D

Analysis Method: 8260D
Date Collected: 03/20/2024 11:37

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2024 10:22

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 487972
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	0.095	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X09.D
Lims ID: 410-164764-A-11
Client ID: HD-COD-SW-28-0/1-0
Sample Type: Client
Inject. Date: 28-Mar-2024 10:22:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109765-010
Operator ID: knk41612 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 29-Mar-2024 07:36:37 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.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 07:36:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.056	2.062	-0.006	93	4078	0.0760	
6 Vinyl chloride	62		2.172				ND	
9 Bromomethane	94		2.489				ND	
10 Chloroethane	64		2.562				ND	
17 1,1-Dichloroethene	96		3.367				ND	
19 Acetone	43	3.452	3.398	0.054	77	8581	1.90	
23 Carbon disulfide	76	3.660	3.660	0.000	48	4002	0.0416	M
27 Methylene Chloride	84		3.989				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.995	3.989	0.006	23	74474	50.0	
32 Methyl tert-butyl ether	73		4.379				ND	
33 trans-1,2-Dichloroethene	96		4.385				ND	
36 1,1-Dichloroethane	63		5.044				ND	
41 2-Butanone (MEK)	43		5.848				ND	7
42 cis-1,2-Dichloroethene	96	5.897	5.885	0.012	76	2985	0.0677	
48 Chlorobromomethane	128		6.220				ND	
50 Chloroform	83	6.379	6.379	0.000	90	5242	0.0728	
$ 52 Dibromofluoromethane (Surr)	113	6.592	6.592	0.000	94	424683	10.1	
53 1,1,1-Trichloroethane	97		6.604				ND	7
56 Carbon tetrachloride	117		6.818				ND	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.049	7.049	0.000	58	83484	10.6	
59 Benzene	78		7.080				ND	7
60 1,2-Dichloroethane	62		7.159				ND	
* 64 Fluorobenzene (IS)	96	7.494	7.494	0.000	99	1653455	10.0	
68 Trichloroethene	95	7.982	7.982	0.000	91	4207	0.0945	
70 1,2-Dichloropropane	63		8.311				ND	
76 Dichlorobromomethane	83		8.665				ND	7
80 cis-1,3-Dichloropropene	75		9.226				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.402				ND	
$ 83 Toluene-d8 (Surr)	98	9.549	9.543	0.006	93	1755827	9.60	
84 Toluene	92	9.628	9.622	0.006	97	6289	0.0550	
85 trans-1,3-Dichloropropene	75		9.890				ND	
106 1,1,2-Trichloroethane	97		10.104				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.195	10.189	0.006	93	15588	0.2854	
109 2-Hexanone	43		10.323				ND	
111 Chlorodibromomethane	129		10.488				ND	
112 Ethylene Dibromide	107		10.597				ND	
* 113 Chlorobenzene-d5 (IS)	117	11.042	11.042	0.000	85	1384290	10.0	
115 Chlorobenzene	112		11.067				ND	
116 1,1,1,2-Tetrachloroethane	131		11.152				ND	
117 Ethylbenzene	91		11.158				ND	7
S 118 Xylenes, Total	106		11.245				ND	7
119 m-Xylene & p-Xylene	106		11.274				ND	7
120 o-Xylene	106		11.603				ND	7
121 Styrene	104		11.622				ND	7
122 Bromoform	173		11.780				ND	
$ 126 4-Bromofluorobenzene (Surr)	95	12.061	12.054	0.006	93	638846	9.32	
127 1,1,2,2-Tetrachloroethane	83		12.158				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	731466	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_LLcentISS_00012 Amount Added: 5.00 Units: uL Run Reagent

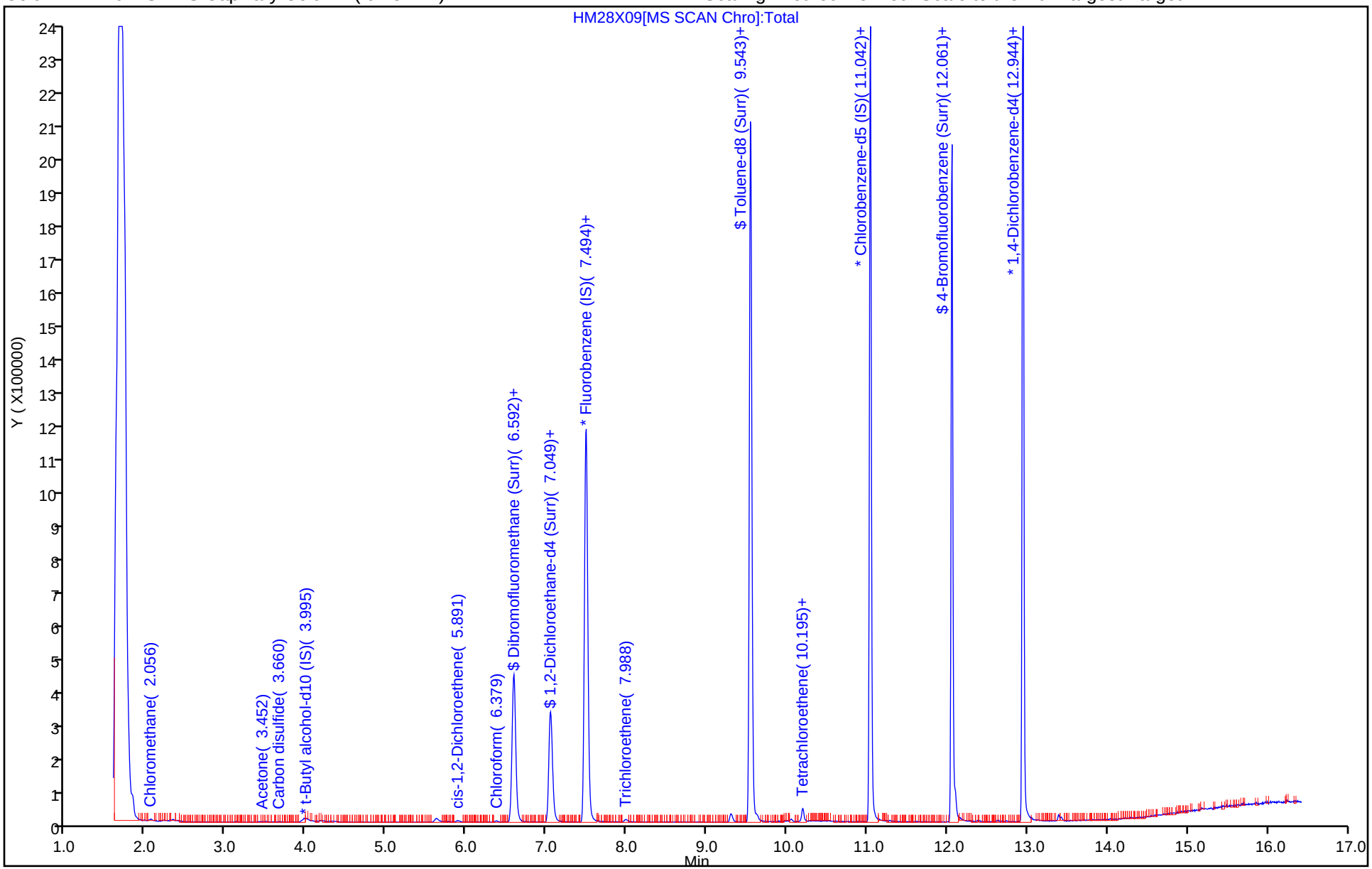
Report Date: 29-Mar-2024 07:36:38 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X09.D

Injection Date:	28-Mar-2024 10:22:30	Instrument ID:	19094	Operator ID:	knk41612
Lims ID:	410-164764-A-11	Lab Sample ID:	410-164764-11	Worklist Smp#:	10
Client ID:	HD-COD-SW-28-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X09.D
Lims ID: 410-164764-A-11
Client ID: HD-COD-SW-28-0/1-0
Sample Type: Client
Inject. Date: 28-Mar-2024 10:22:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109765-010
Operator ID: knk41612 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 29-Mar-2024 07:36:37 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

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

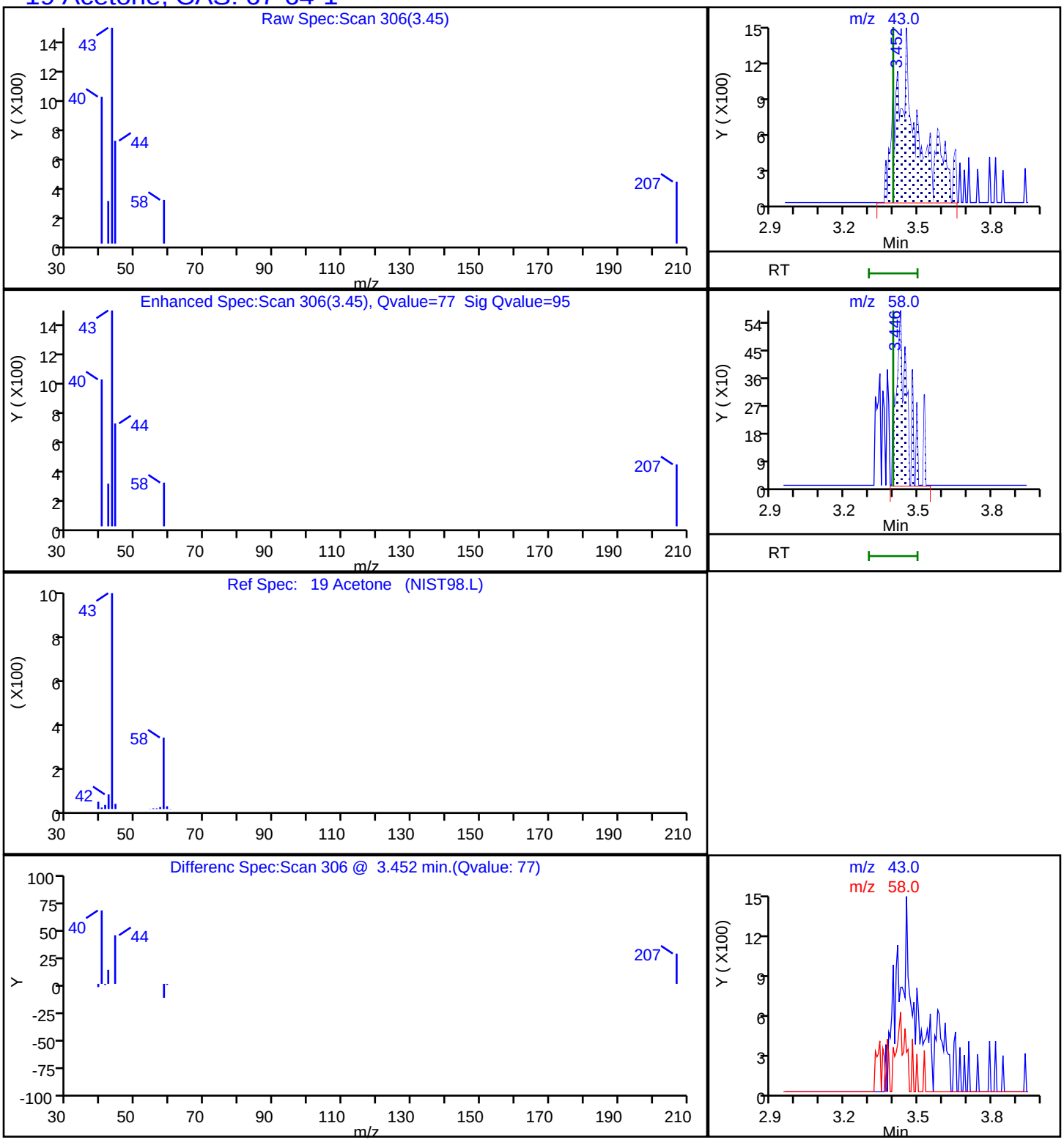
First Level Reviewer: FQ4L Date: 29-Mar-2024 07:36:37

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	10.1	101.37
$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.6	105.71
$ 83 Toluene-d8 (Surr)	10.0	9.60	95.97
$ 126 4-Bromofluorobenzene (Surr)	10.0	9.32	93.25

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X09.D				
Injection Date:	28-Mar-2024 10:22:30	Instrument ID:	19094		
Lims ID:	410-164764-A-11	Lab Sample ID:	410-164764-11		
Client ID:	HD-COD-SW-28-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

19 Acetone, CAS: 67-64-1

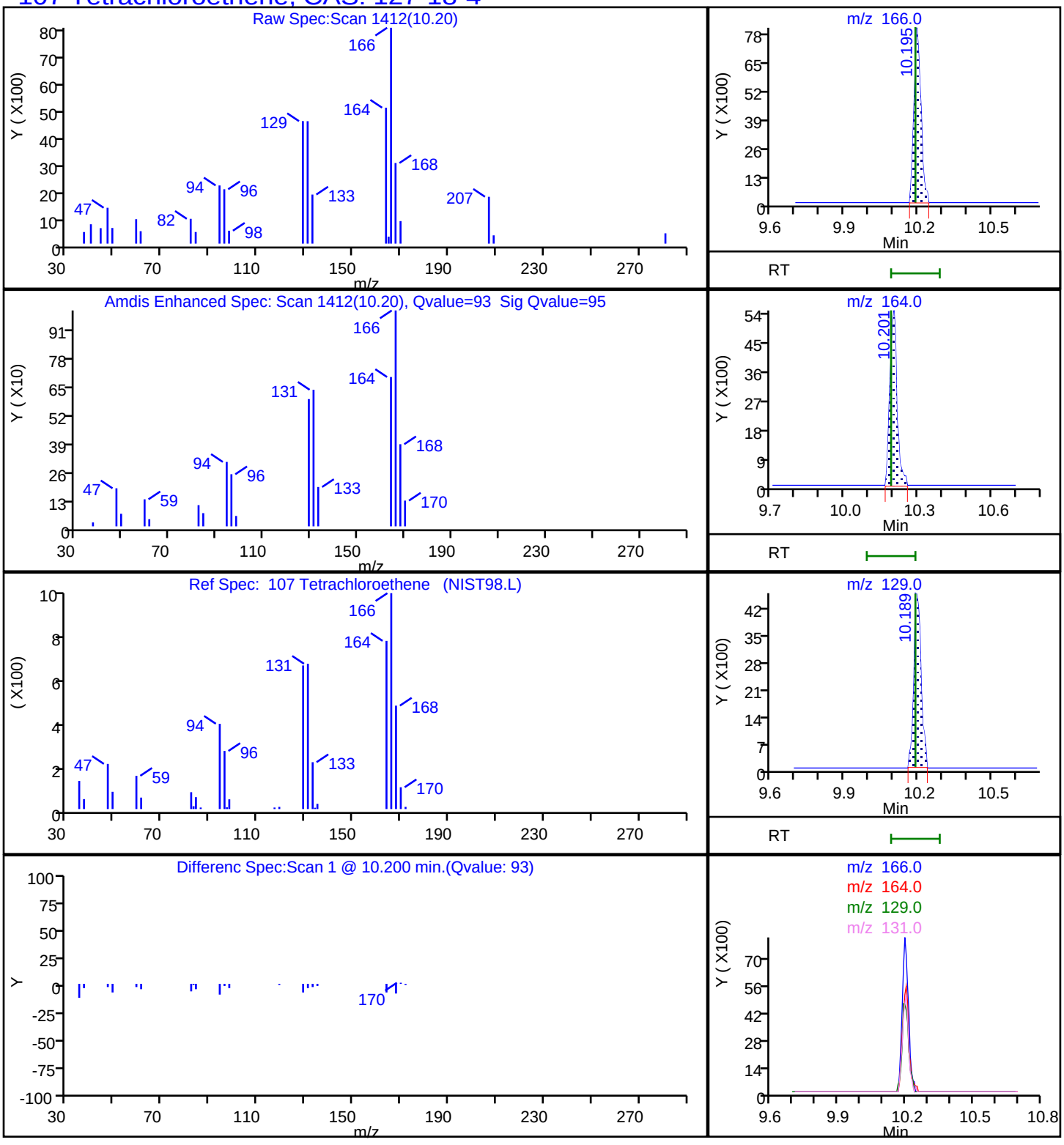


Report Date: 29-Mar-2024 07:36:38 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X09.D				
Injection Date:	28-Mar-2024 10:22:30	Instrument ID:	19094		
Lims ID:	410-164764-A-11	Lab Sample ID:	410-164764-11		
Client ID:	HD-COD-SW-28-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

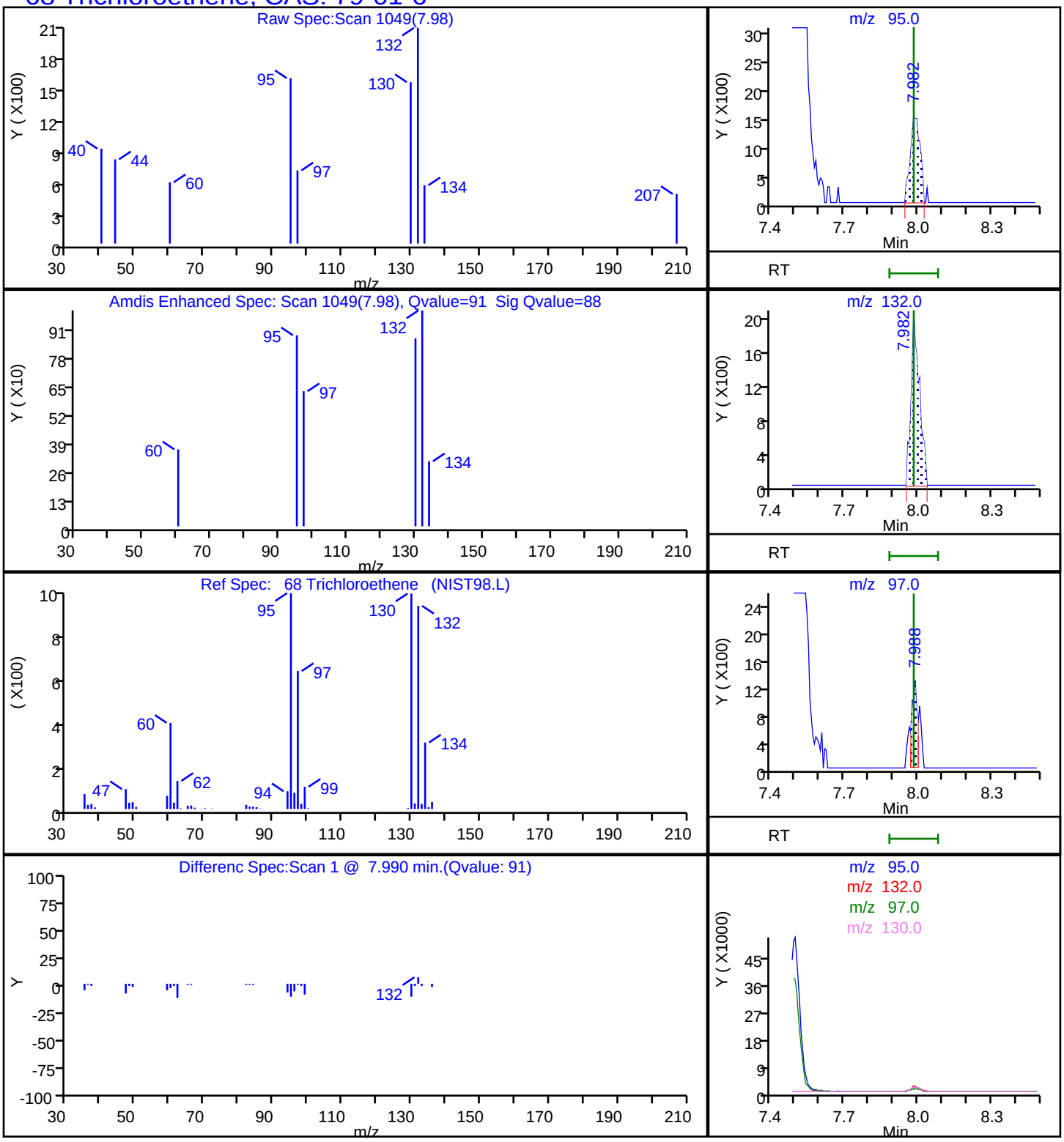
107 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X09.D				
Injection Date:	28-Mar-2024 10:22:30	Instrument ID:	19094		
Lims ID:	410-164764-A-11	Lab Sample ID:	410-164764-11		
Client ID:	HD-COD-SW-28-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

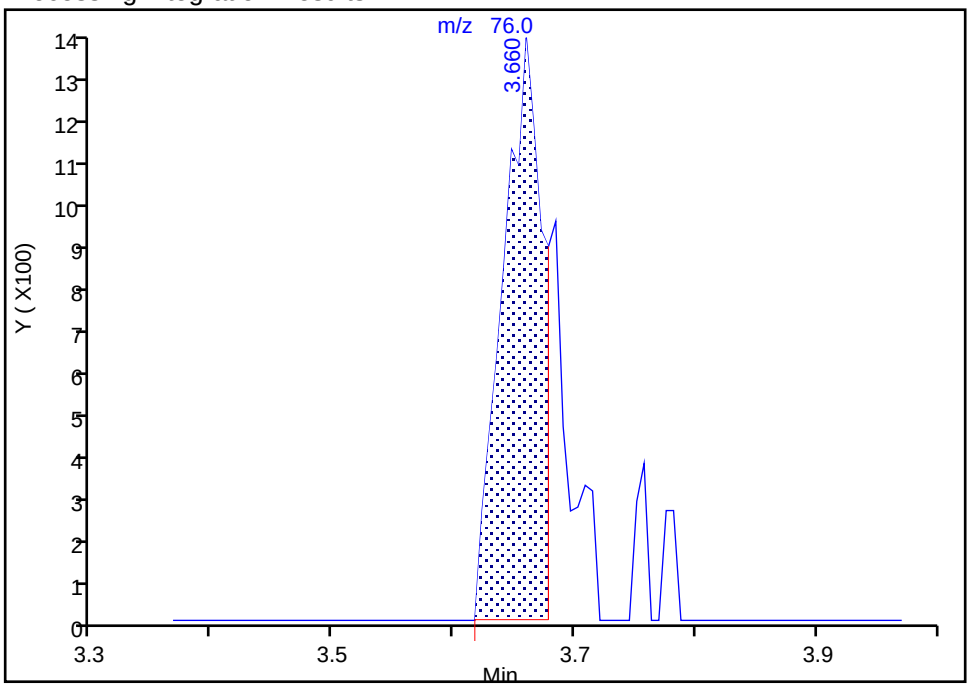
Data File:	\\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X09.D				
Injection Date:	28-Mar-2024 10:22:30	Instrument ID:	19094		
Lims ID:	410-164764-A-11	Lab Sample ID:	410-164764-11		
Client ID:	HD-COD-SW-28-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

23 Carbon disulfide, CAS: 75-15-0

Signal: 1

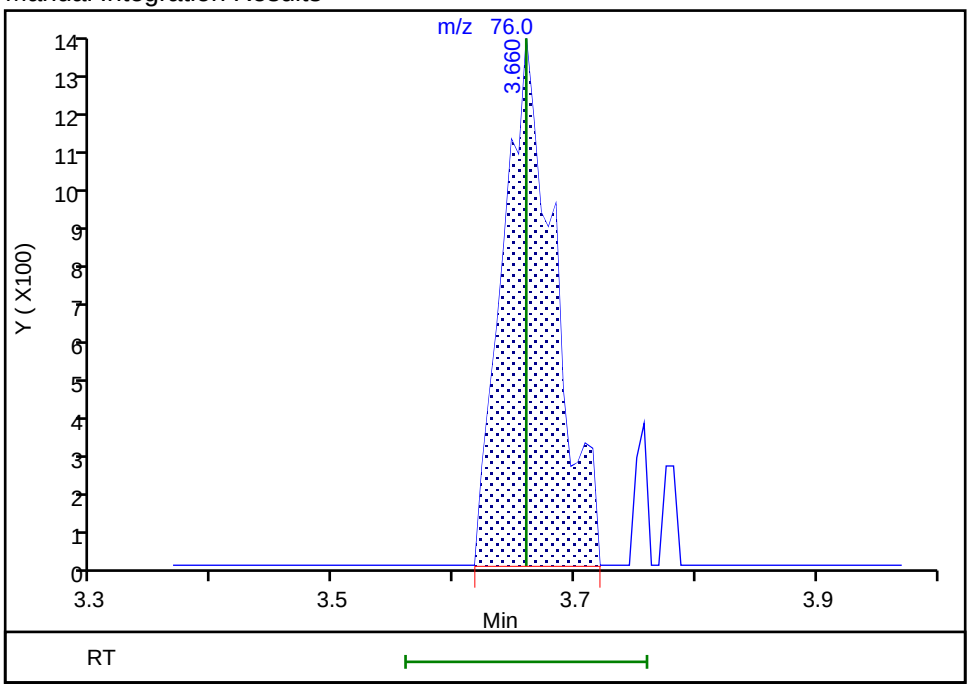
Processing Integration Results

RT: 3.66
Area: 3095
Amount: 0.032165
Amount Units: ug/l



Manual Integration Results

RT: 3.66
Area: 4002
Amount: 0.041591
Amount Units: ug/l



Reviewer: FQ4L, 29-Mar-2024 07:34:20 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-29-0/1-0
Lab Sample ID: 410-164764-12

Matrix: Water
Lab File ID: HM28X10.D

Analysis Method: 8260D
Date Collected: 03/20/2024 07:50

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2024 10:42

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 487972
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.36	J	0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-29-0/1-0
Lab Sample ID: 410-164764-12

Matrix: Water
Lab File ID: HM28X10.D

Analysis Method: 8260D
Date Collected: 03/20/2024 07:50

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2024 10:42

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 487972
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	0.086	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		80-120
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X10.D
Lims ID: 410-164764-A-12
Client ID: HD-COD-SW-29-0/1-0
Sample Type: Client
Inject. Date: 28-Mar-2024 10:42:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109765-011
Operator ID: knk41612 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 29-Mar-2024 07:45:57 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.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 07:45:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.062				ND	7
6 Vinyl chloride	62		2.172				ND	
9 Bromomethane	94		2.489				ND	
10 Chloroethane	64		2.562				ND	
17 1,1-Dichloroethene	96		3.367				ND	
19 Acetone	43		3.398				ND	U
23 Carbon disulfide	76		3.660				ND	7
27 Methylene Chloride	84		3.989				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.983	3.989	-0.006	22	73784	50.0	
32 Methyl tert-butyl ether	73		4.379				ND	
33 trans-1,2-Dichloroethene	96		4.385				ND	
36 1,1-Dichloroethane	63		5.044				ND	
41 2-Butanone (MEK)	43		5.848				ND	
42 cis-1,2-Dichloroethene	96	5.879	5.885	-0.006	75	3383	0.0777	
48 Chlorobromomethane	128		6.220				ND	
50 Chloroform	83	6.373	6.379	-0.006	1	2596	0.0365	
$ 52 Dibromofluoromethane (Surr)	113	6.592	6.592	0.000	93	425302	10.3	
53 1,1,1-Trichloroethane	97		6.604				ND	7
56 Carbon tetrachloride	117		6.818				ND	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.049	7.049	0.000	47	84318	10.8	
59 Benzene	78		7.080				ND	7
60 1,2-Dichloroethane	62		7.159				ND	
* 64 Fluorobenzene (IS)	96	7.488	7.494	-0.006	99	1634233	10.0	
68 Trichloroethene	95	7.988	7.982	0.006	89	3767	0.0856	M
70 1,2-Dichloropropane	63		8.311				ND	
76 Dichlorobromomethane	83		8.665				ND	
80 cis-1,3-Dichloropropene	75		9.226				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.402				ND	
$ 83 Toluene-d8 (Surr)	98	9.543	9.543	0.000	93	1744303	9.57	
84 Toluene	92	9.628	9.622	0.006	97	4219	0.0371	
85 trans-1,3-Dichloropropene	75		9.890				ND	
106 1,1,2-Trichloroethane	97		10.104				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.201	10.189	0.012	97	19779	0.3636	
109 2-Hexanone	43		10.323				ND	
111 Chlorodibromomethane	129		10.488				ND	
112 Ethylene Dibromide	107		10.597				ND	
* 113 Chlorobenzene-d5 (IS)	117	11.042	11.042	0.000	85	1378478	10.0	
115 Chlorobenzene	112		11.067				ND	
116 1,1,1,2-Tetrachloroethane	131		11.152				ND	
117 Ethylbenzene	91		11.158				ND	7
S 118 Xylenes, Total	106		11.245				ND	7
119 m-Xylene & p-Xylene	106		11.274				ND	7
120 o-Xylene	106		11.603				ND	7
121 Styrene	104		11.622				ND	
122 Bromoform	173		11.780				ND	
$ 126 4-Bromofluorobenzene (Surr)	95	12.061	12.054	0.007	94	636981	9.34	
127 1,1,2,2-Tetrachloroethane	83		12.158				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	728357	10.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

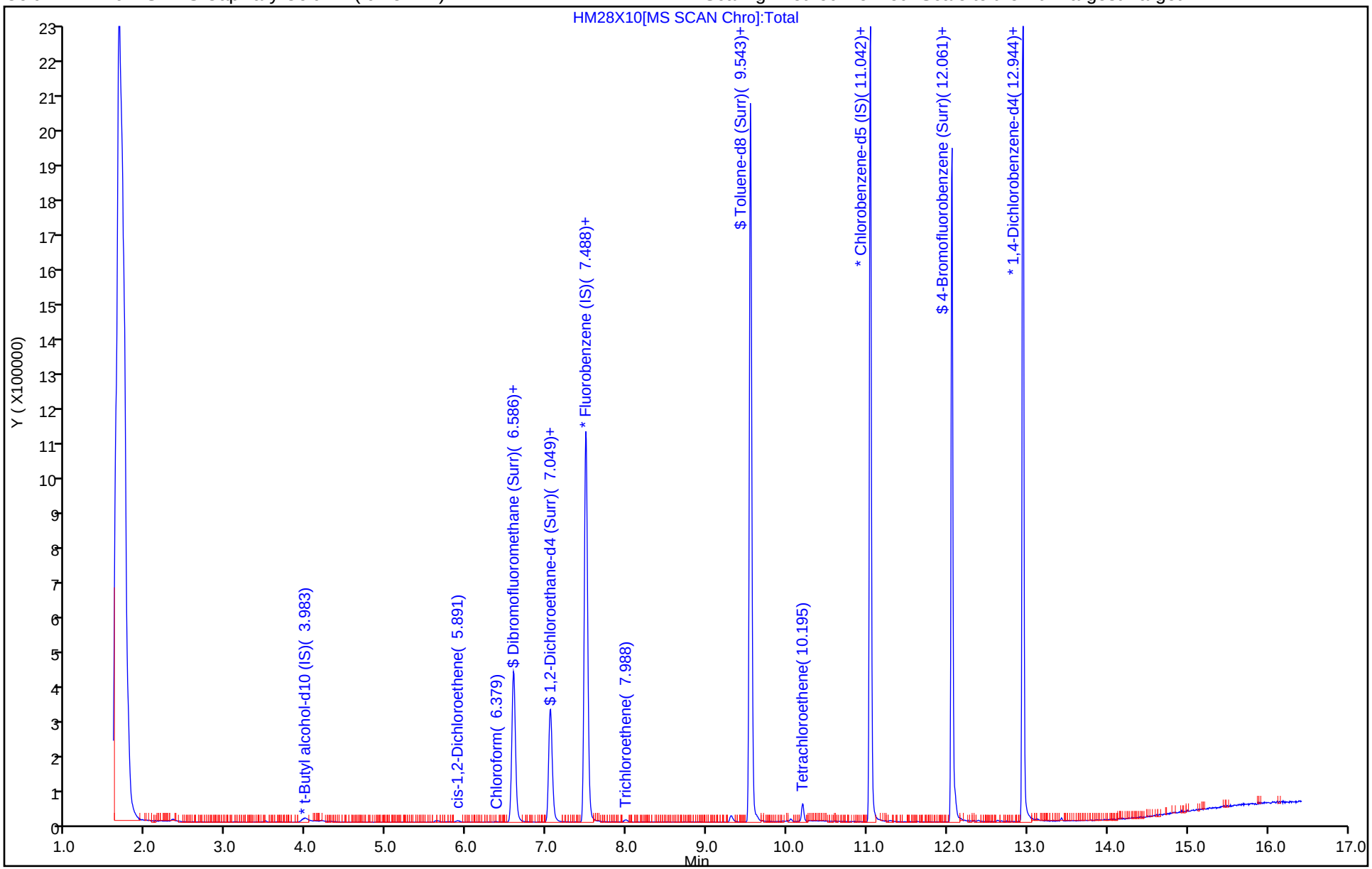
MSV_LLcentISS_00012 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 29-Mar-2024 07:45:57 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X10.D				
Injection Date:	28-Mar-2024 10:42:30	Instrument ID:	19094	Operator ID:	knk41612
Lims ID:	410-164764-A-12	Lab Sample ID:	410-164764-12	Worklist Smp#:	11
Client ID:	HD-COD-SW-29-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X10.D
Lims ID: 410-164764-A-12
Client ID: HD-COD-SW-29-0/1-0
Sample Type: Client
Inject. Date: 28-Mar-2024 10:42:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109765-011
Operator ID: knk41612 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 29-Mar-2024 07:45:57 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

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

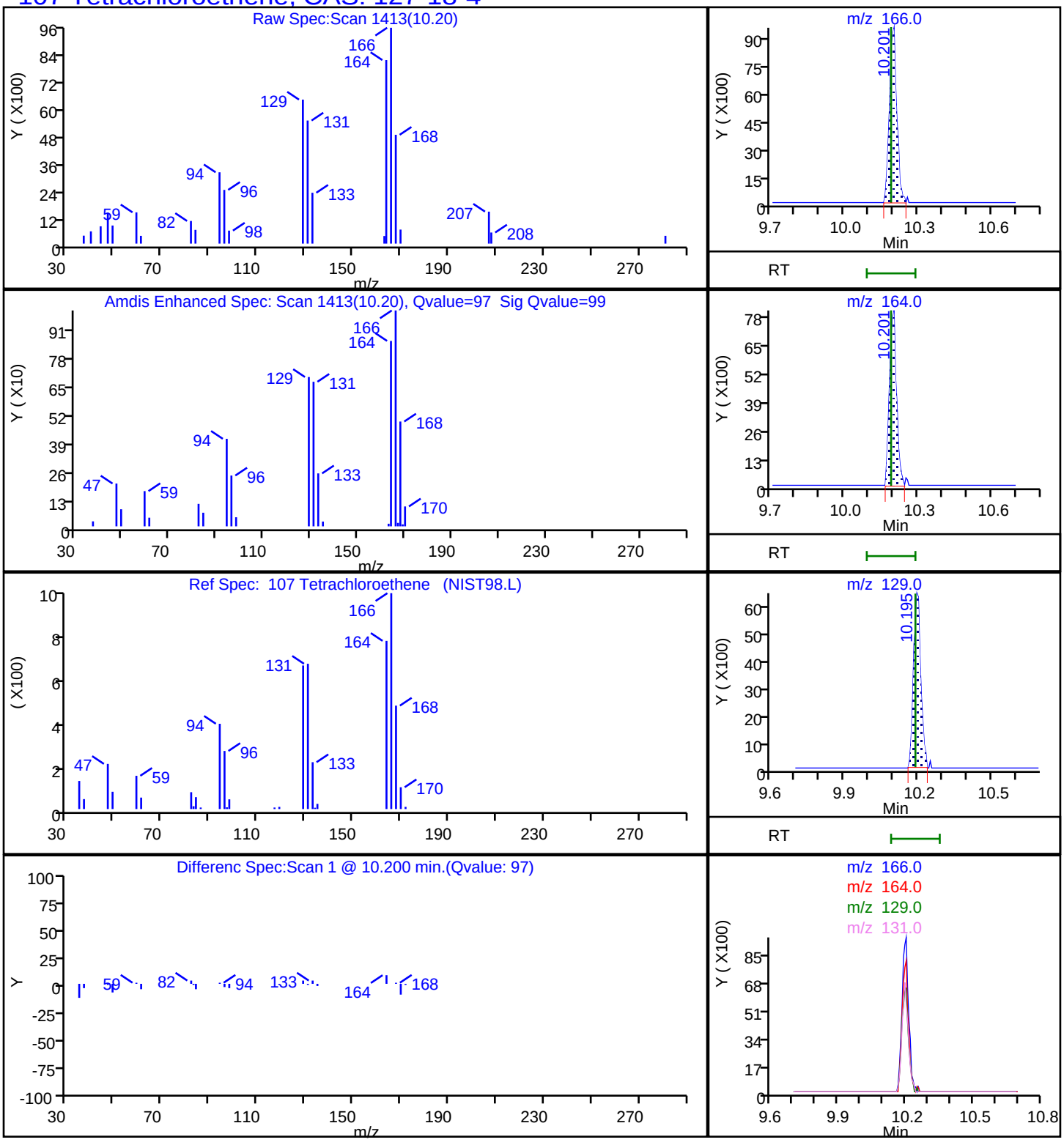
First Level Reviewer: FQ4L Date: 29-Mar-2024 07:45:57

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	10.3	102.72
$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.8	108.02
$ 83 Toluene-d8 (Surr)	10.0	9.57	95.74
$ 126 4-Bromofluorobenzene (Surr)	10.0	9.34	93.37

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X10.D				
Injection Date:	28-Mar-2024 10:42:30	Instrument ID:	19094		
Lims ID:	410-164764-A-12	Lab Sample ID:	410-164764-12		
Client ID:	HD-COD-SW-29-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

107 Tetrachloroethene, CAS: 127-18-4

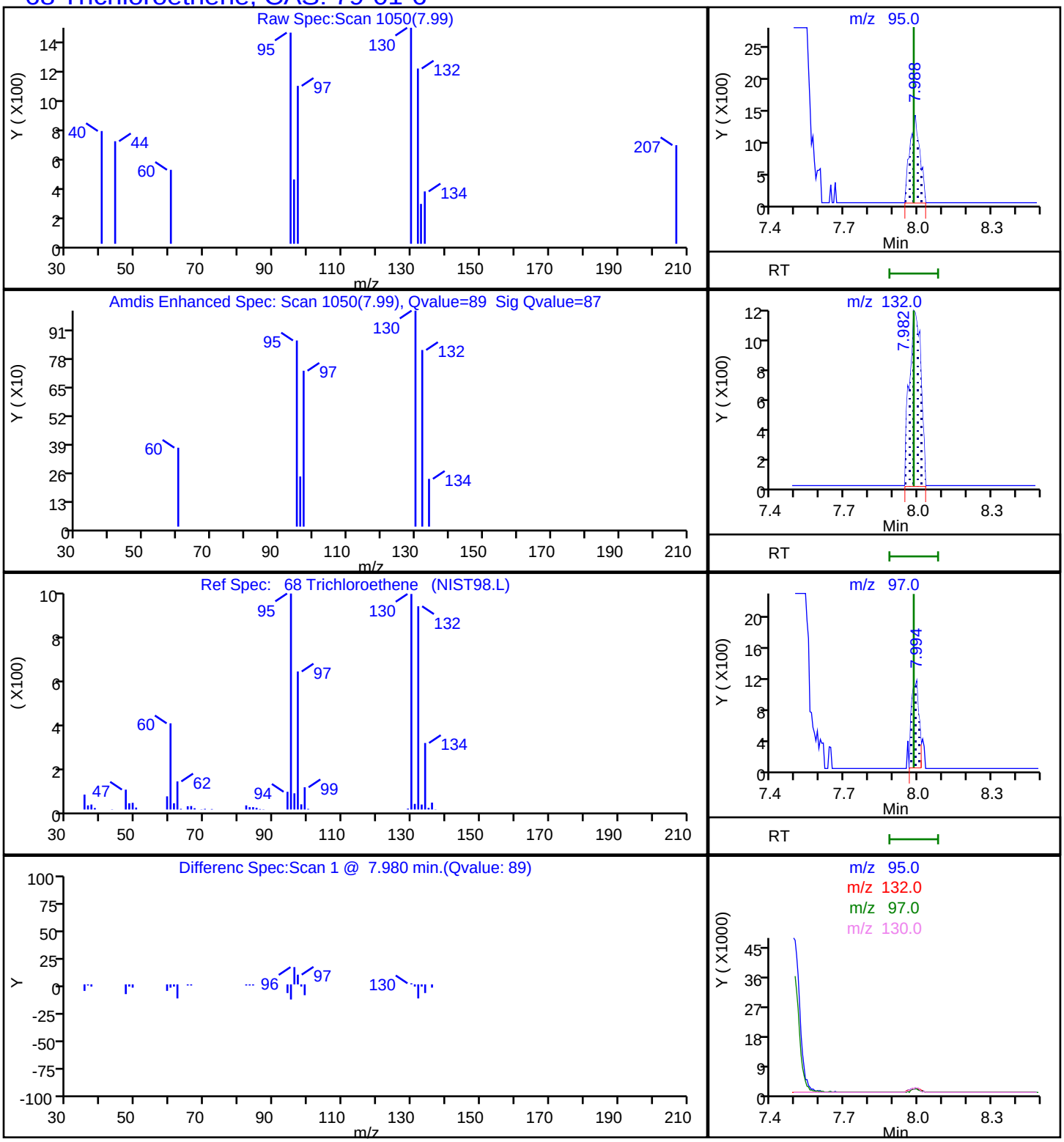


Report Date: 29-Mar-2024 07:45:57 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X10.D				
Injection Date:	28-Mar-2024 10:42:30	Instrument ID:	19094		
Lims ID:	410-164764-A-12	Lab Sample ID:	410-164764-12		
Client ID:	HD-COD-SW-29-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



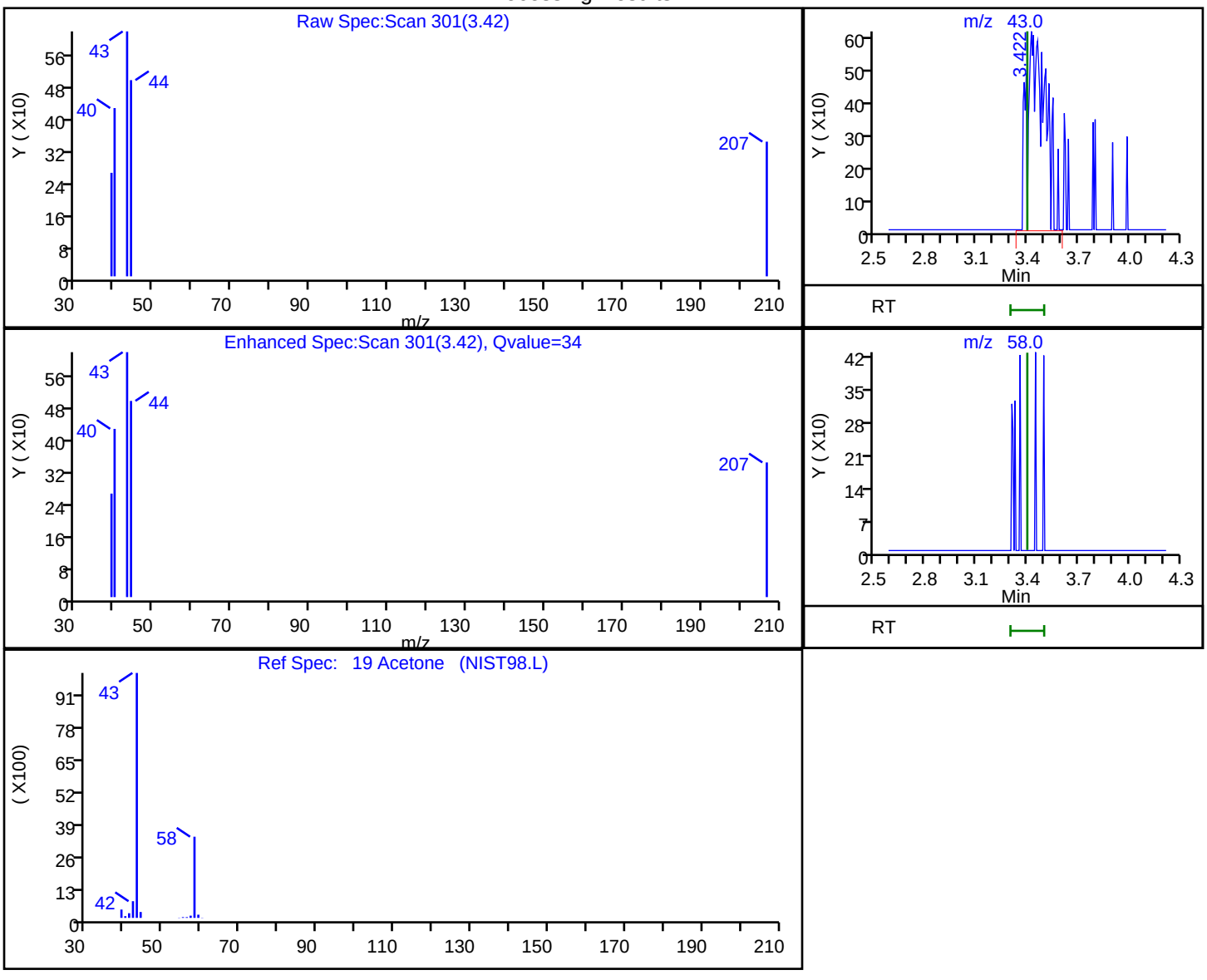
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X10.D				
Injection Date:	28-Mar-2024 10:42:30	Instrument ID:	19094		
Lims ID:	410-164764-A-12	Lab Sample ID:	410-164764-12		
Client ID:	HD-COD-SW-29-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

19 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.42	43.00	4591	1.028124
3.40	58.00	0	

Reviewer: FQ4L, 29-Mar-2024 07:45:08 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

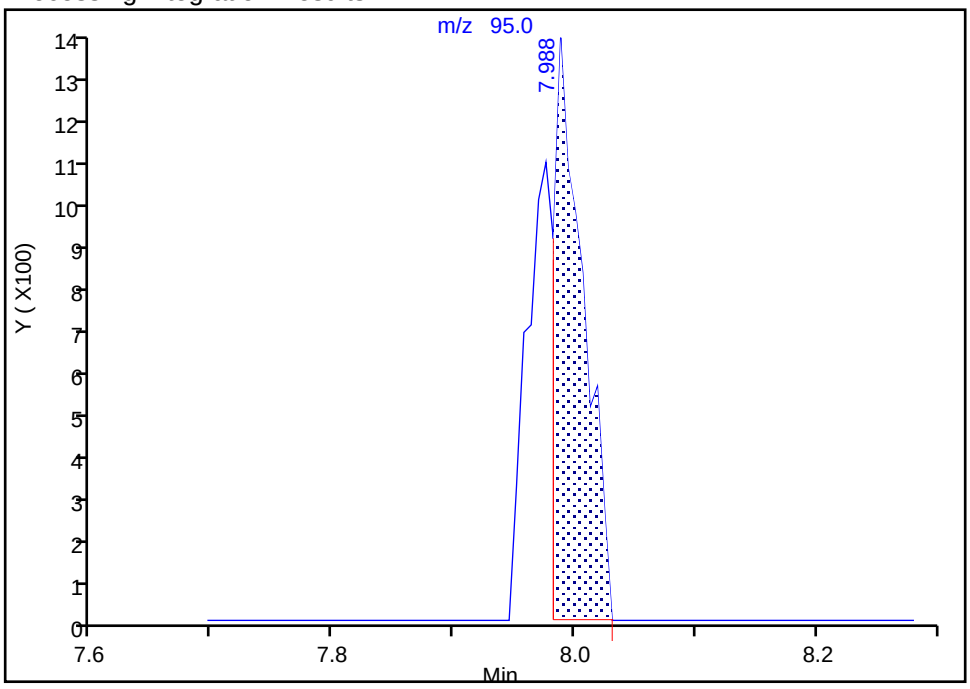
Data File:	\\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X10.D				
Injection Date:	28-Mar-2024 10:42:30	Instrument ID:	19094		
Lims ID:	410-164764-A-12	Lab Sample ID:	410-164764-12		
Client ID:	HD-COD-SW-29-0/1-0				
Operator ID:	knk41612	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6

Signal: 1

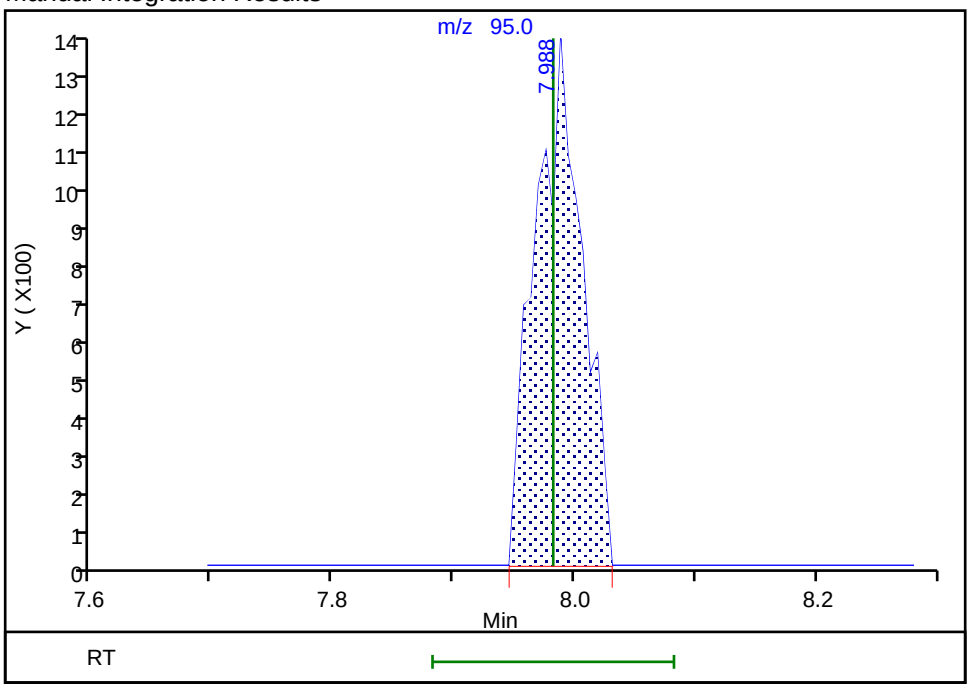
Processing Integration Results

RT: 7.99
Area: 2376
Amount: 0.054013
Amount Units: ug/l



Manual Integration Results

RT: 7.99
Area: 3767
Amount: 0.085634
Amount Units: ug/l



Reviewer: FQ4L, 29-Mar-2024 07:45:32 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-QC1-0/1-1
Lab Sample ID: 410-164764-13

Matrix: Water
Lab File ID: HM28X21.D

Analysis Method: 8260D
Date Collected: 03/20/2024 10:00

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2024 14:25

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 487972
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	8.5		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	1.8		0.50	0.10
75-35-4	1,1-Dichloroethene	0.68		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.17	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.2		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
108-88-3	Toluene	ND		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-QC1-0/1-1
Lab Sample ID: 410-164764-13

Matrix: Water
Lab File ID: HM28X21.D

Analysis Method: 8260D
Date Collected: 03/20/2024 10:00

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2024 14:25

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 487972
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	4.7		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		80-120
2037-26-5	Toluene-d8 (Surr)	91		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X21.D
Lims ID: 410-164764-A-13
Client ID: HD-QC1-0/1-1
Sample Type: Client
Inject. Date: 28-Mar-2024 14:25:30 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109765-022
Operator ID: knk41612 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 29-Mar-2024 07:50:37 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.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 07:56:01

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	5 Chloromethane	50		2.062				ND	
	6 Vinyl chloride	62		2.172				ND	7
	9 Bromomethane	94		2.489				ND	
	10 Chloroethane	64		2.562				ND	
	17 1,1-Dichloroethene	96	3.379	3.367	0.012	98	22545	0.6829	
	19 Acetone	43		3.398				ND	7
	23 Carbon disulfide	76		3.660				ND	7
	27 Methylene Chloride	84		3.989				ND	
*	28 t-Butyl alcohol-d10 (IS)	65	3.989	3.989	0.000	25	78362	50.0	
	32 Methyl tert-butyl ether	73		4.379				ND	7
	33 trans-1,2-Dichloroethene	96	4.397	4.385	0.012	5	2034	0.0542	
	36 1,1-Dichloroethane	63	5.050	5.044	0.006	96	122002	1.83	
	41 2-Butanone (MEK)	43		5.848				ND	
	42 cis-1,2-Dichloroethene	96	5.885	5.885	0.000	79	218475	5.19	
	48 Chlorobromomethane	128		6.220				ND	
	50 Chloroform	83	6.379	6.379	0.000	92	11814	0.1718	
$	52 Dibromofluoromethane (Surr)	113	6.592	6.592	0.000	94	413843	10.3	
	53 1,1,1-Trichloroethane	97	6.598	6.604	-0.006	98	549120	8.51	
	56 Carbon tetrachloride	117		6.818				ND	7
$	58 1,2-Dichloroethane-d4 (Surr)	102	7.049	7.049	0.000	47	83139	11.0	
	59 Benzene	78		7.080				ND	7
	60 1,2-Dichloroethane	62		7.159				ND	7
*	64 Fluorobenzene (IS)	96	7.494	7.494	0.000	99	1579372	10.0	
	68 Trichloroethene	95	7.982	7.982	0.000	98	201760	4.75	
	70 1,2-Dichloropropane	63		8.311				ND	
	76 Dichlorobromomethane	83		8.665				ND	
	80 cis-1,3-Dichloropropene	75		9.226				ND	
	82 4-Methyl-2-pentanone (MIBK)	43		9.402				ND	
$	83 Toluene-d8 (Surr)	98	9.549	9.543	0.006	93	1756638	9.09	
	84 Toluene	92	9.622	9.622	0.000	89	4197	0.0348	
	85 trans-1,3-Dichloropropene	75		9.890				ND	
	106 1,1,2-Trichloroethane	97		10.104				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.195	10.189	0.006	98	7417761	128.6	E
109 2-Hexanone	43		10.323				ND	
111 Chlorodibromomethane	129		10.488				ND	7
112 Ethylene Dibromide	107		10.597				ND	
* 113 Chlorobenzene-d5 (IS)	117	11.042	11.042	0.000	85	1462054	10.0	
115 Chlorobenzene	112		11.067				ND	7
116 1,1,1,2-Tetrachloroethane	131		11.152				ND	
117 Ethylbenzene	91		11.158				ND	7
S 118 Xylenes, Total	106		11.245				ND	7
119 m-Xylene & p-Xylene	106		11.274				ND	7
120 o-Xylene	106		11.603				ND	7
121 Styrene	104		11.622				ND	
122 Bromoform	173		11.780				ND	7
$ 126 4-Bromofluorobenzene (Surr)	95	12.060	12.054	0.006	93	677811	9.37	
127 1,1,2,2-Tetrachloroethane	83		12.158				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	778762	10.0	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Reagents:

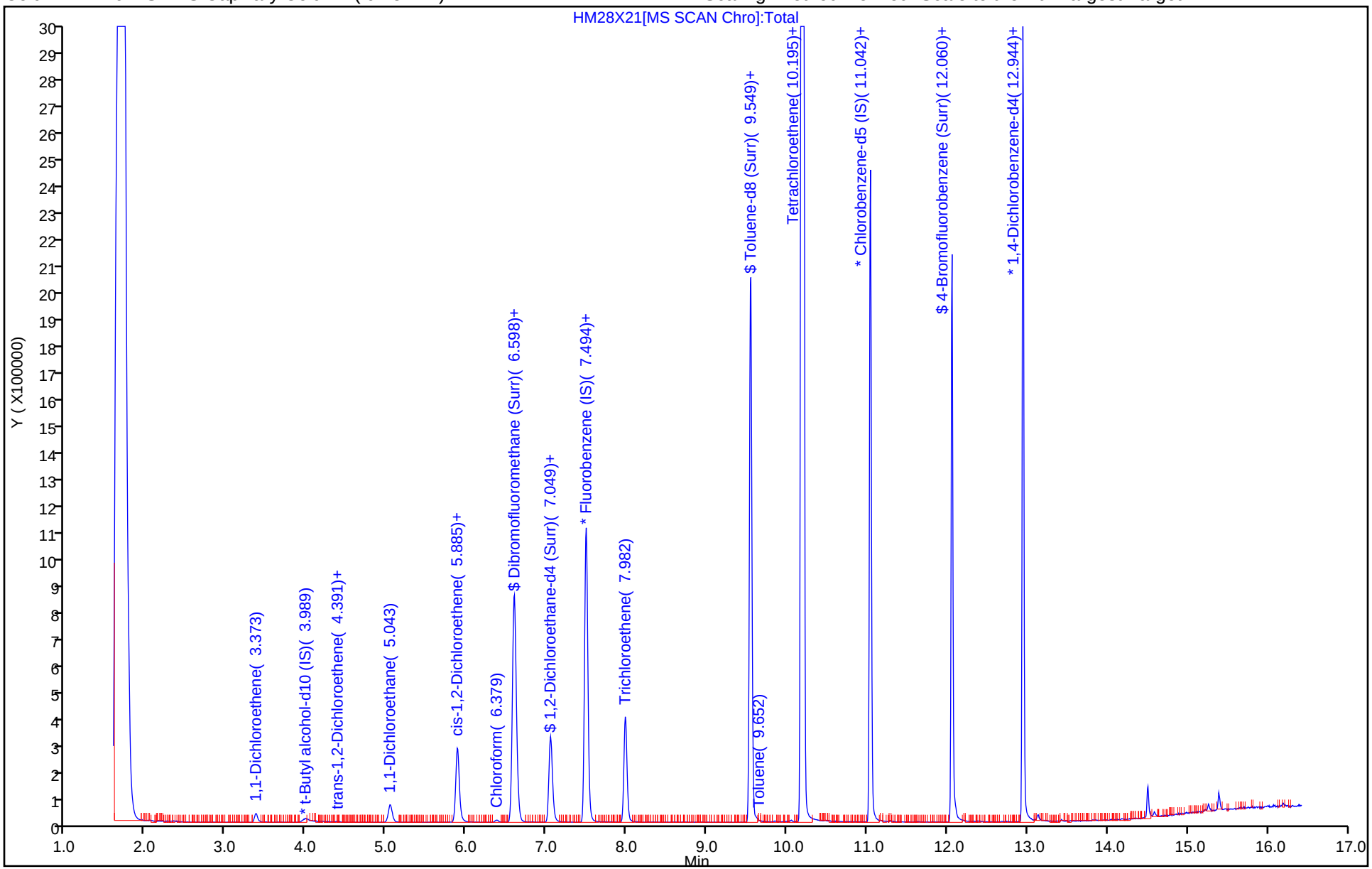
MSV_LLcentISS_00012 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 29-Mar-2024 07:56:02 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X21.D				
Injection Date:	28-Mar-2024 14:25:30	Instrument ID:	19094	Operator ID:	knk41612
Lims ID:	410-164764-A-13	Lab Sample ID:	410-164764-13	Worklist Smp#:	22
Client ID:	HD-QC1-0/1-1				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X21.D				
Lims ID:	410-164764-A-13				
Client ID:	HD-QC1-0/1-1				
Sample Type:	Client				
Inject. Date:	28-Mar-2024 14:25:30	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0109765-022				
Operator ID:	knk41612	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20240328-109765.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	29-Mar-2024 07:50:37	Calib Date:	17-Oct-2023 09:43:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1677				

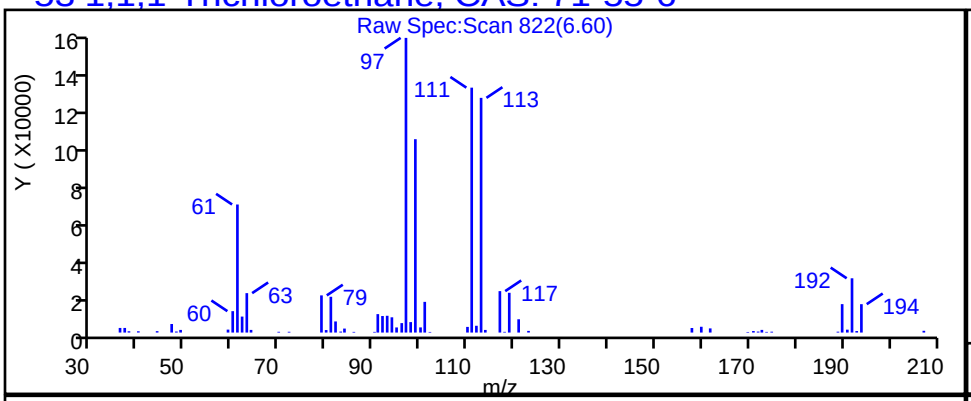
First Level Reviewer: FQ4L Date: 29-Mar-2024 07:56:01

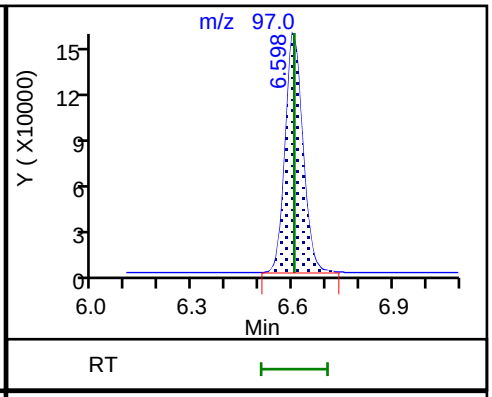
Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	10.3	103.42
$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	11.0	110.21
$ 83 Toluene-d8 (Surr)	10.0	9.09	90.91
$ 126 4-Bromofluorobenzene (Surr)	10.0	9.37	93.67

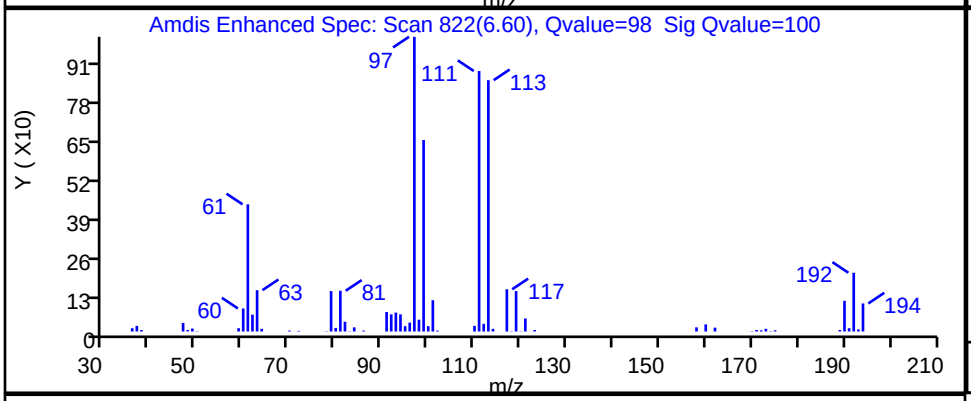
Eurofins Lancaster Laboratories Environment Testing, LLC

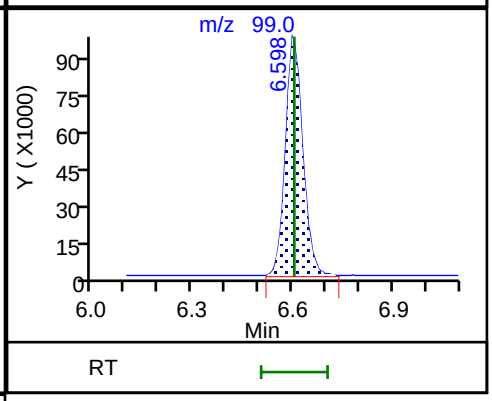
Data File:	\\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X21.D				
Injection Date:	28-Mar-2024 14:25:30	Instrument ID:	19094		
Lims ID:	410-164764-A-13	Lab Sample ID:	410-164764-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	knk41612	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

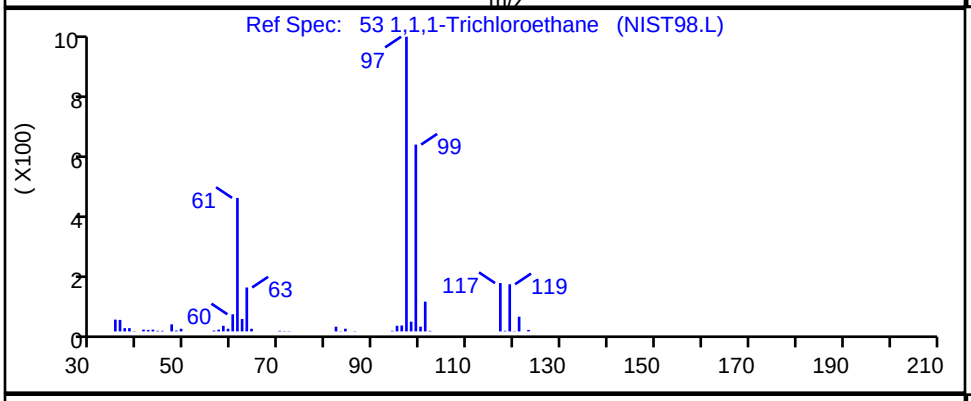
53 1,1,1-Trichloroethane, CAS: 71-55-6

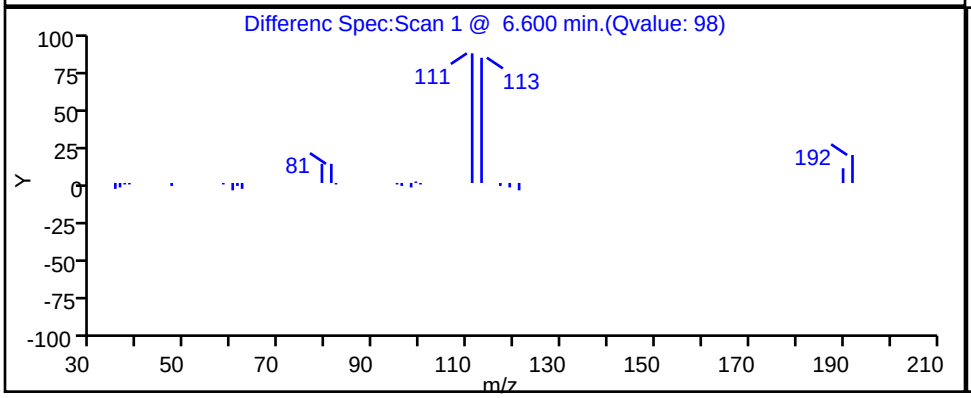


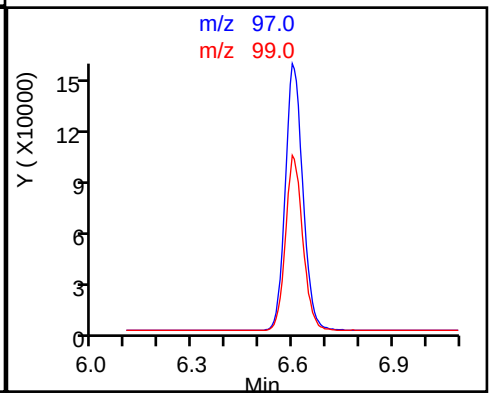








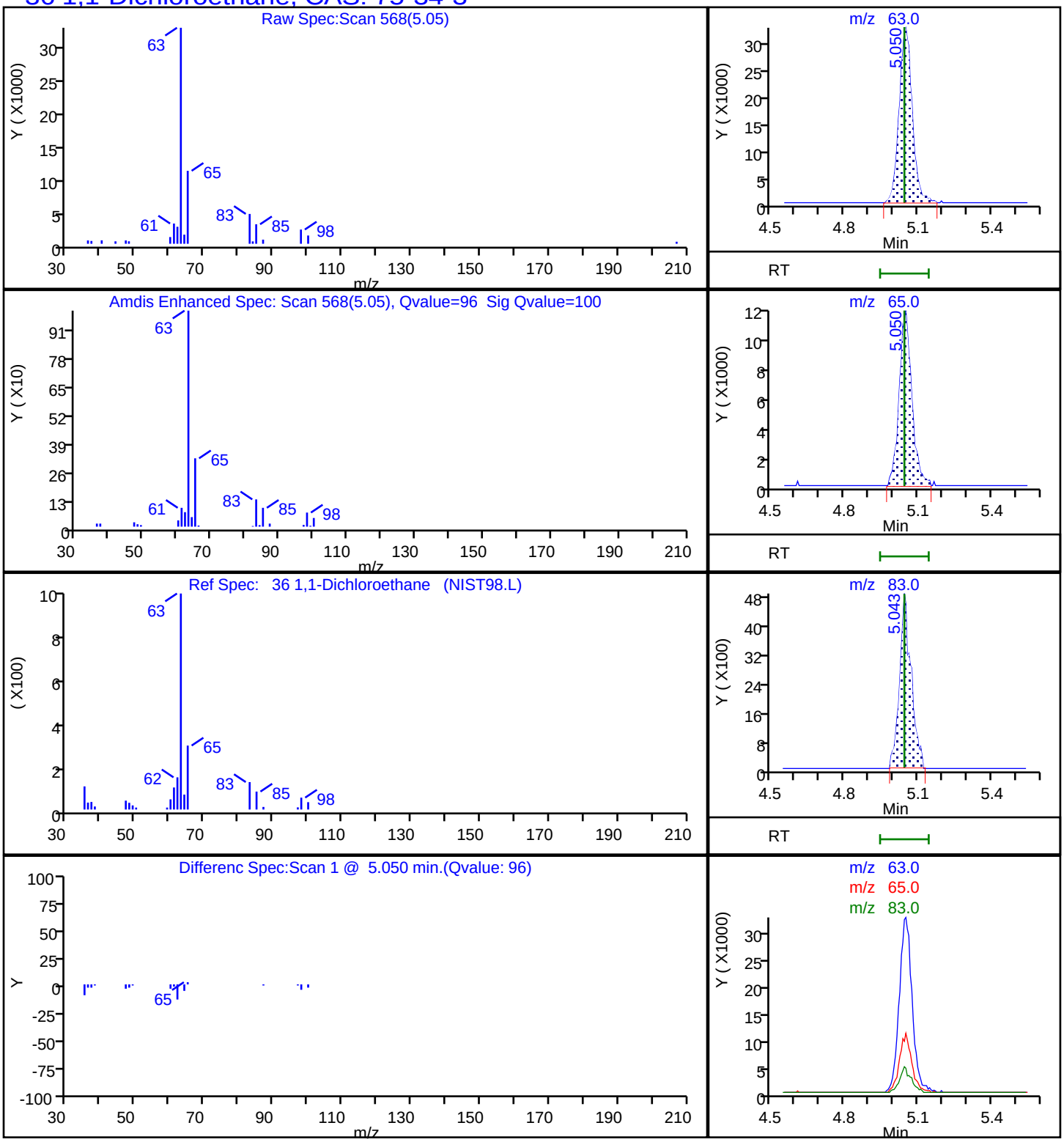




Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X21.D				
Injection Date:	28-Mar-2024 14:25:30	Instrument ID:	19094		
Lims ID:	410-164764-A-13	Lab Sample ID:	410-164764-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	knk41612	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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

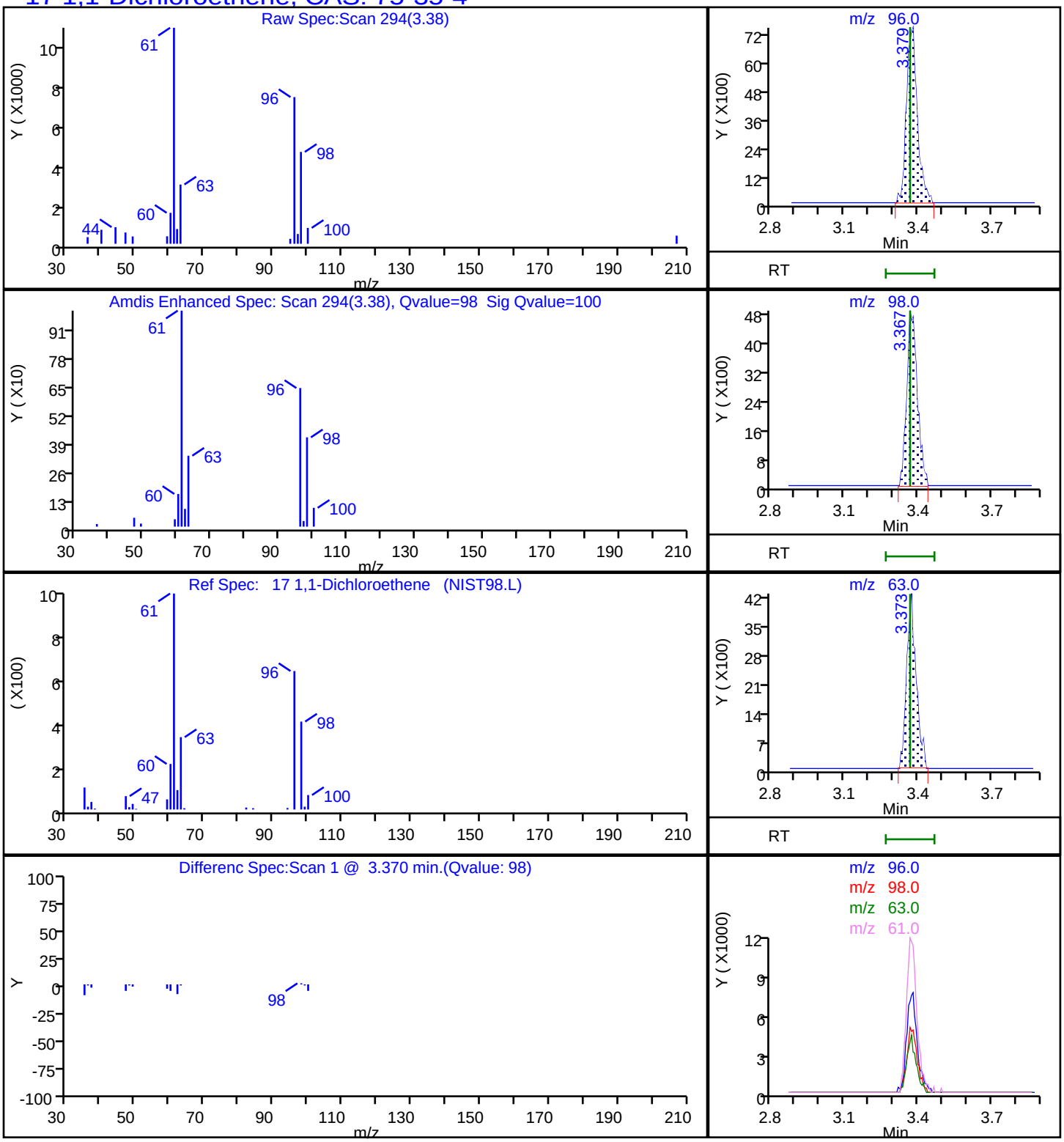


Report Date: 29-Mar-2024 07:56:02 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X21.D				
Injection Date:	28-Mar-2024 14:25:30	Instrument ID:	19094		
Lims ID:	410-164764-A-13	Lab Sample ID:	410-164764-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	knk41612	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

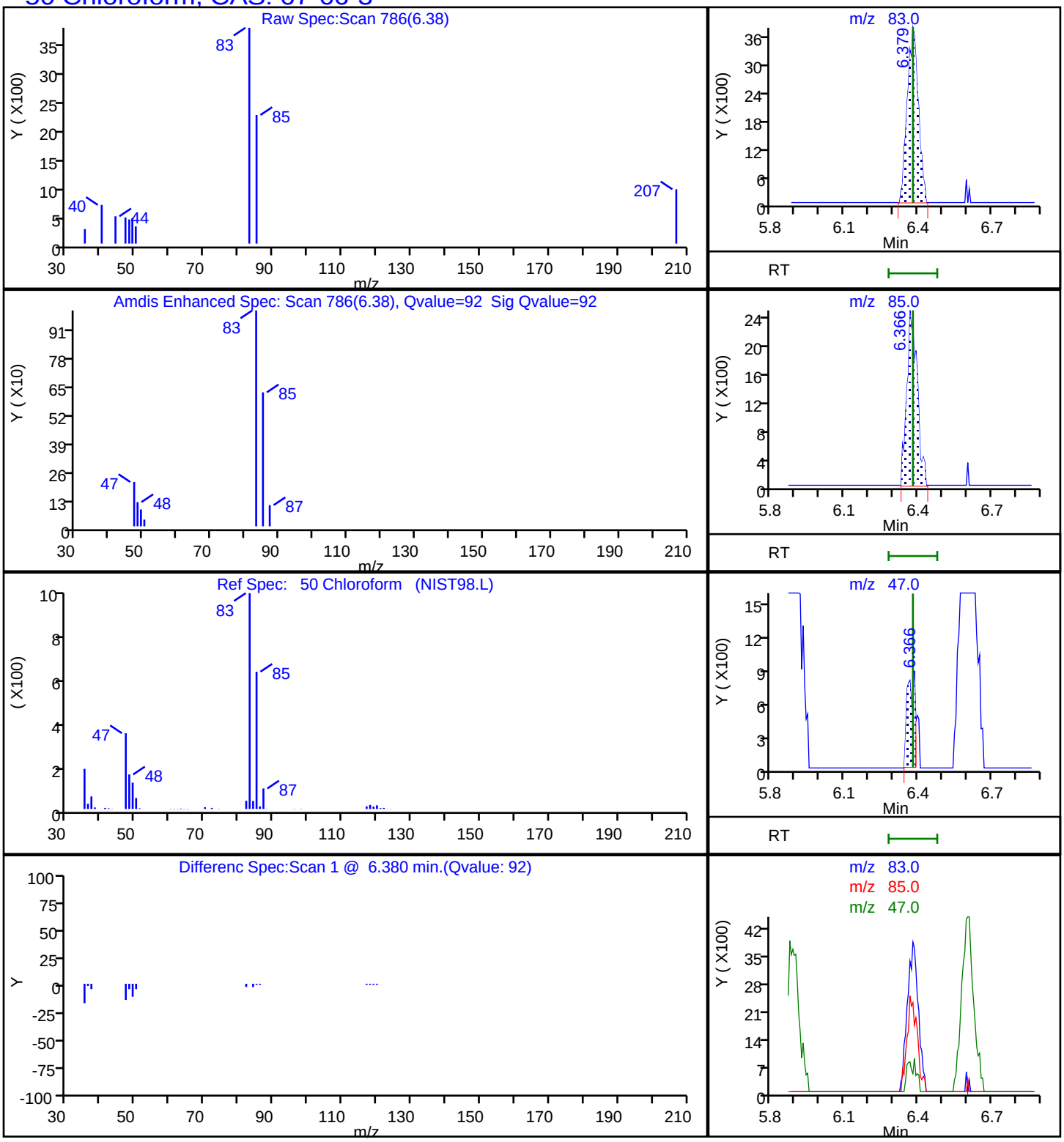
17 1,1-Dichloroethene, CAS: 75-35-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X21.D				
Injection Date:	28-Mar-2024 14:25:30	Instrument ID:	19094		
Lims ID:	410-164764-A-13	Lab Sample ID:	410-164764-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	knk41612	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

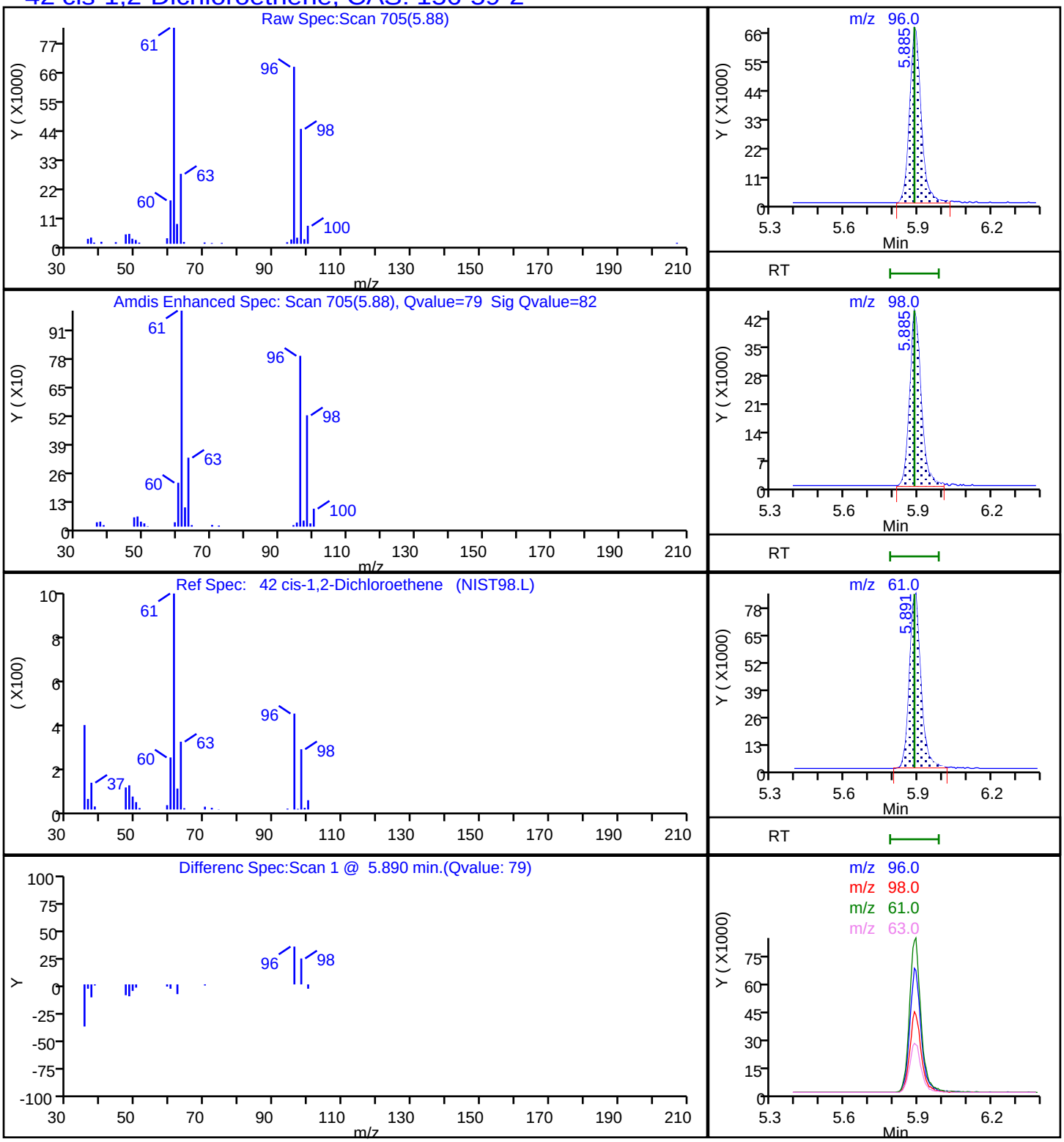
50 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X21.D				
Injection Date:	28-Mar-2024 14:25:30	Instrument ID:	19094		
Lims ID:	410-164764-A-13	Lab Sample ID:	410-164764-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	knk41612	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

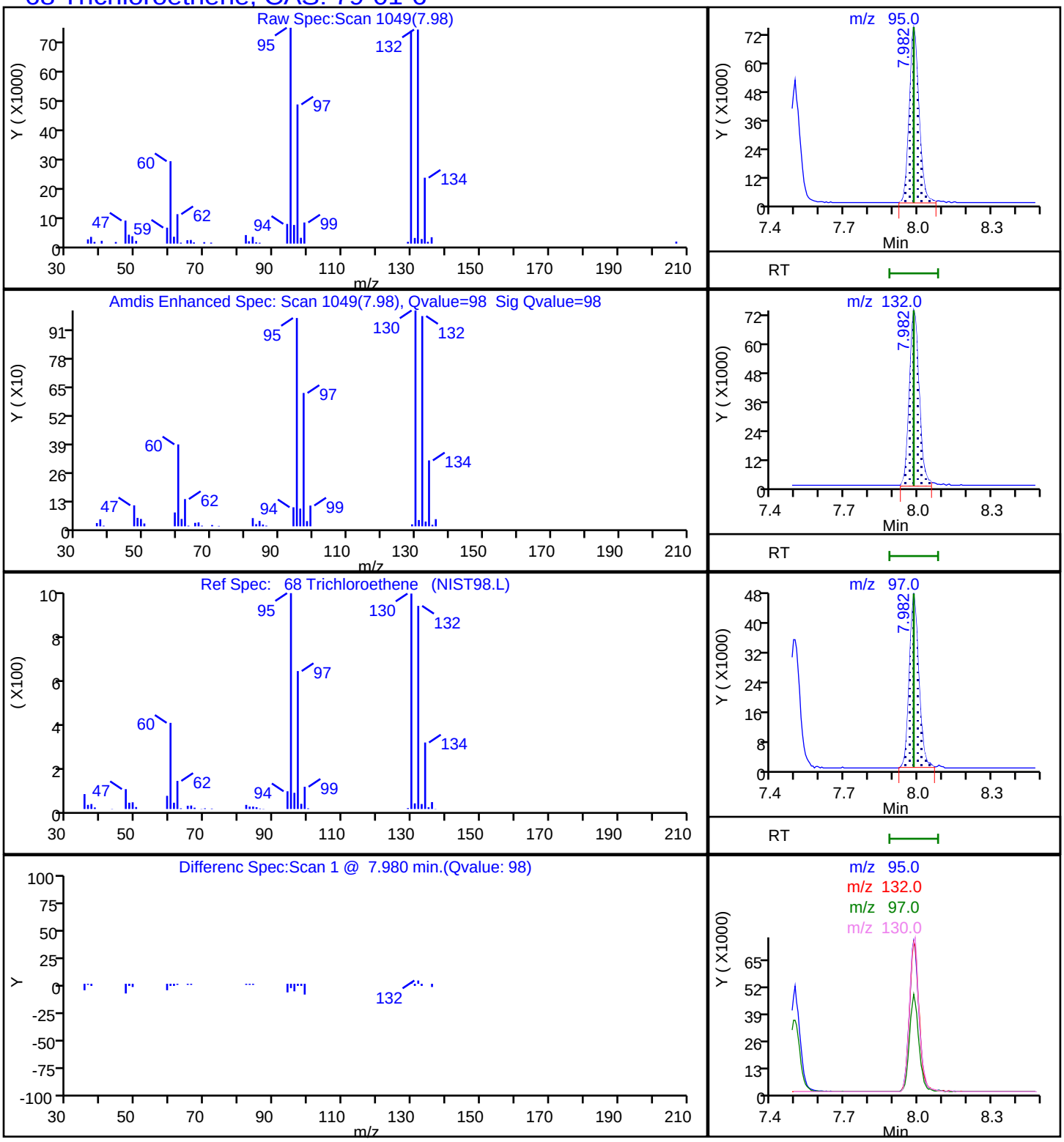
42 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X21.D				
Injection Date:	28-Mar-2024 14:25:30	Instrument ID:	19094		
Lims ID:	410-164764-A-13	Lab Sample ID:	410-164764-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	knk41612	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-QC1-0/1-1 DL
Lab Sample ID: 410-164764-13 DL

Matrix: Water
Lab File ID: HM28X22.D

Analysis Method: 8260D
Date Collected: 03/20/2024 10:00

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2024 14:45

Soil Aliquot Vol:
Dilution Factor: 10

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

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

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

Analysis Batch No.: 487972
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	110		5.0	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		80-120
2037-26-5	Toluene-d8 (Surr)	91		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X22.D
Lims ID: 410-164764-B-13 DL
Client ID: HD-QC1-0/1-1
Sample Type: Client
Inject. Date: 28-Mar-2024 14:45:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 25.000 mL Dil. Factor: 10.0000
Sample Info: 410-0109765-023
Operator ID: knk41612 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 29-Mar-2024 07:56:35 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.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 07:56:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.062				ND	
6 Vinyl chloride	62		2.172				ND	
9 Bromomethane	94		2.489				ND	
10 Chloroethane	64		2.562				ND	
17 1,1-Dichloroethene	96	3.373	3.367	0.006	92	1588	0.0487	
19 Acetone	43		3.398				ND	
23 Carbon disulfide	76		3.660				ND	7
27 Methylene Chloride	84	3.983	3.989	-0.006	57	2620	0.0758	
* 28 t-Butyl alcohol-d10 (IS)	65	3.995	3.989	0.006	59	79141	50.0	
32 Methyl tert-butyl ether	73		4.379				ND	
33 trans-1,2-Dichloroethene	96		4.385				ND	
36 1,1-Dichloroethane	63	5.043	5.044	-0.001	94	9924	0.1506	
41 2-Butanone (MEK)	43		5.848				ND	
42 cis-1,2-Dichloroethene	96	5.891	5.885	0.006	78	18087	0.4355	
48 Chlorobromomethane	128		6.220				ND	
50 Chloroform	83	6.366	6.379	-0.013	92	10940	0.1612	
$ 52 Dibromofluoromethane (Surr)	113	6.586	6.592	-0.006	94	411299	10.4	
53 1,1,1-Trichloroethane	97	6.592	6.604	-0.012	82	45884	0.7208	
56 Carbon tetrachloride	117		6.818				ND	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.043	7.049	-0.006	47	81706	11.0	
59 Benzene	78		7.080				ND	
60 1,2-Dichloroethane	62		7.159				ND	7
* 64 Fluorobenzene (IS)	96	7.494	7.494	0.000	99	1558559	10.0	
68 Trichloroethene	95	7.982	7.982	0.000	96	15874	0.3784	
70 1,2-Dichloropropane	63		8.311				ND	
76 Dichlorobromomethane	83		8.665				ND	
80 cis-1,3-Dichloropropene	75		9.226				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.402				ND	
$ 83 Toluene-d8 (Surr)	98	9.543	9.543	0.000	93	1709989	9.13	
84 Toluene	92		9.622				ND	7
85 trans-1,3-Dichloropropene	75		9.890				ND	
106 1,1,2-Trichloroethane	97		10.104				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.195	10.189	0.006	98	595399	10.6	
109 2-Hexanone	43		10.323				ND	
111 Chlorodibromomethane	129		10.488				ND	
112 Ethylene Dibromide	107		10.597				ND	
* 113 Chlorobenzene-d5 (IS)	117	11.042	11.042	0.000	85	1417678	10.0	
115 Chlorobenzene	112		11.067				ND	
116 1,1,1,2-Tetrachloroethane	131		11.152				ND	
117 Ethylbenzene	91		11.158				ND	
S 118 Xylenes, Total	106		11.245				ND	7
119 m-Xylene & p-Xylene	106		11.274				ND	
120 o-Xylene	106		11.603				ND	
121 Styrene	104		11.622				ND	
122 Bromoform	173		11.780				ND	
$ 126 4-Bromofluorobenzene (Surr)	95	12.060	12.054	0.006	93	668200	9.52	
127 1,1,2,2-Tetrachloroethane	83		12.158				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	769857	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_LLcentISS_00012 Amount Added: 5.00 Units: uL Run Reagent

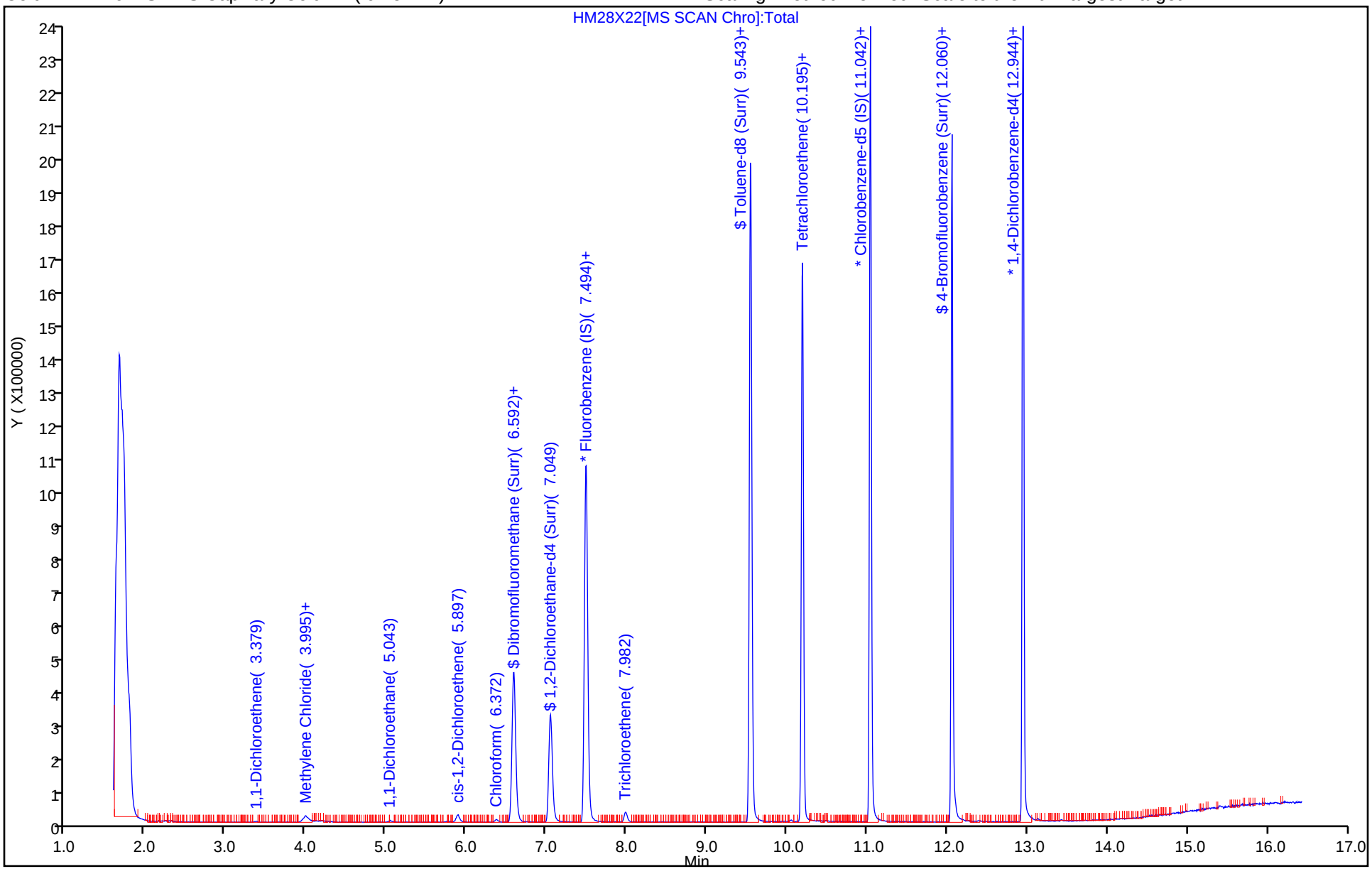
Report Date: 29-Mar-2024 07:56:36 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X22.D

Injection Date:	28-Mar-2024 14:45:30	Instrument ID:	19094	Operator ID:	knk41612
Lims ID:	410-164764-B-13 DL	Lab Sample ID:	410-164764-13	Worklist Smp#:	23
Client ID:	HD-QC1-0/1-1				
Purge Vol:	25.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	22
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X22.D
Lims ID: 410-164764-B-13 DL
Client ID: HD-QC1-0/1-1
Sample Type: Client
Inject. Date: 28-Mar-2024 14:45:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 25.000 mL Dil. Factor: 10.0000
Sample Info: 410-0109765-023
Operator ID: knk41612 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 29-Mar-2024 07:56:35 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

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

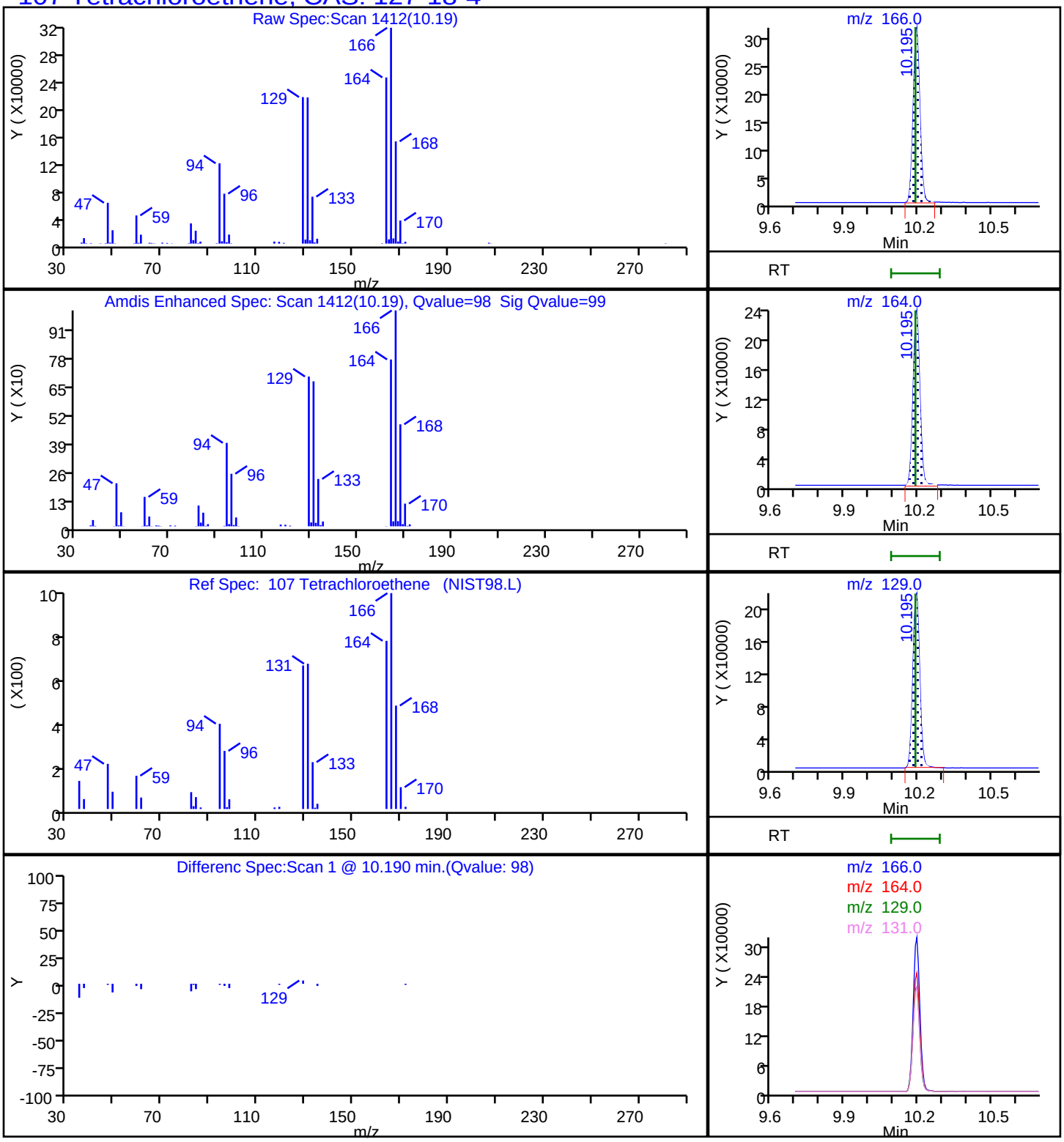
First Level Reviewer: FQ4L Date: 29-Mar-2024 07:56:35

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	10.4	104.16
$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	11.0	109.75
$ 83 Toluene-d8 (Surr)	10.0	9.13	91.26
$ 126 4-Bromofluorobenzene (Surr)	10.0	9.52	95.24

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X22.D				
Injection Date:	28-Mar-2024 14:45:30	Instrument ID:	19094		
Lims ID:	410-164764-B-13 DL	Lab Sample ID:	410-164764-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	knk41612	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	25.000 mL	Dil. Factor:	10.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

107 Tetrachloroethene, CAS: 127-18-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-QC1-0/1-2
Lab Sample ID: 410-164764-14

Matrix: Water
Lab File ID: HM28X07.D

Analysis Method: 8260D
Date Collected: 03/20/2024 12:00

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2024 09:42

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 487972
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.12	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-QC1-0/1-2
Lab Sample ID: 410-164764-14

Matrix: Water
Lab File ID: HM28X07.D

Analysis Method: 8260D
Date Collected: 03/20/2024 12:00

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2024 09:42

Soil Aliquot Vol:
Dilution Factor: 1

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

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

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

Analysis Batch No.: 487972
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	ND		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	120		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		80-120
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X07.D
Lims ID: 410-164764-A-14
Client ID: HD-QC1-0/1-2
Sample Type: Client
Inject. Date: 28-Mar-2024 09:42:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109765-008
Operator ID: knk41612 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 29-Mar-2024 07:30:53 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.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 07:30:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.062				ND	U
6 Vinyl chloride	62		2.172				ND	
9 Bromomethane	94		2.489				ND	
10 Chloroethane	64		2.562				ND	
17 1,1-Dichloroethene	96		3.367				ND	
19 Acetone	43		3.398				ND	
23 Carbon disulfide	76		3.660				ND	7
27 Methylene Chloride	84	3.989	3.989	0.000	38	3236	0.0912	
* 28 t-Butyl alcohol-d10 (IS)	65	3.983	3.989	-0.006	31	93654	50.0	
32 Methyl tert-butyl ether	73	4.379	4.379	0.000	18	5709	0.0677	
33 trans-1,2-Dichloroethene	96		4.385				ND	
36 1,1-Dichloroethane	63		5.044				ND	
41 2-Butanone (MEK)	43		5.848				ND	7
42 cis-1,2-Dichloroethene	96		5.885				ND	
48 Chlorobromomethane	128		6.220				ND	
50 Chloroform	83	6.372	6.379	-0.007	88	8110	0.1164	
$ 52 Dibromofluoromethane (Surr)	113	6.586	6.592	-0.006	94	426058	10.5	
53 1,1,1-Trichloroethane	97		6.604				ND	
56 Carbon tetrachloride	117		6.818				ND	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.049	7.049	0.000	47	91828	12.0	
59 Benzene	78		7.080				ND	7
60 1,2-Dichloroethane	62		7.159				ND	
* 64 Fluorobenzene (IS)	96	7.488	7.494	-0.006	99	1599487	10.0	
68 Trichloroethene	95		7.982				ND	
70 1,2-Dichloropropane	63		8.311				ND	
76 Dichlorobromomethane	83		8.665				ND	
80 cis-1,3-Dichloropropene	75		9.226				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.402				ND	
$ 83 Toluene-d8 (Surr)	98	9.543	9.543	0.000	93	1699918	9.53	
84 Toluene	92		9.622				ND	
85 trans-1,3-Dichloropropene	75		9.890				ND	
106 1,1,2-Trichloroethane	97		10.104				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166		10.189				ND	
109 2-Hexanone	43		10.323				ND	
111 Chlorodibromomethane	129		10.488				ND	
112 Ethylene Dibromide	107		10.597				ND	
* 113 Chlorobenzene-d5 (IS)	117	11.042	11.042	0.000	85	1350183	10.0	
115 Chlorobenzene	112		11.067				ND	
116 1,1,1,2-Tetrachloroethane	131		11.152				ND	
117 Ethylbenzene	91		11.158				ND	
S 118 Xylenes, Total	106		11.245				ND	7
119 m-Xylene & p-Xylene	106		11.274				ND	
120 o-Xylene	106		11.603				ND	
121 Styrene	104		11.622				ND	
122 Bromoform	173		11.780				ND	
$ 126 4-Bromofluorobenzene (Surr)	95	12.060	12.054	0.006	94	634927	9.50	
127 1,1,2,2-Tetrachloroethane	83		12.158				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	733603	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_LLcentISS_00012 Amount Added: 5.00 Units: uL Run Reagent

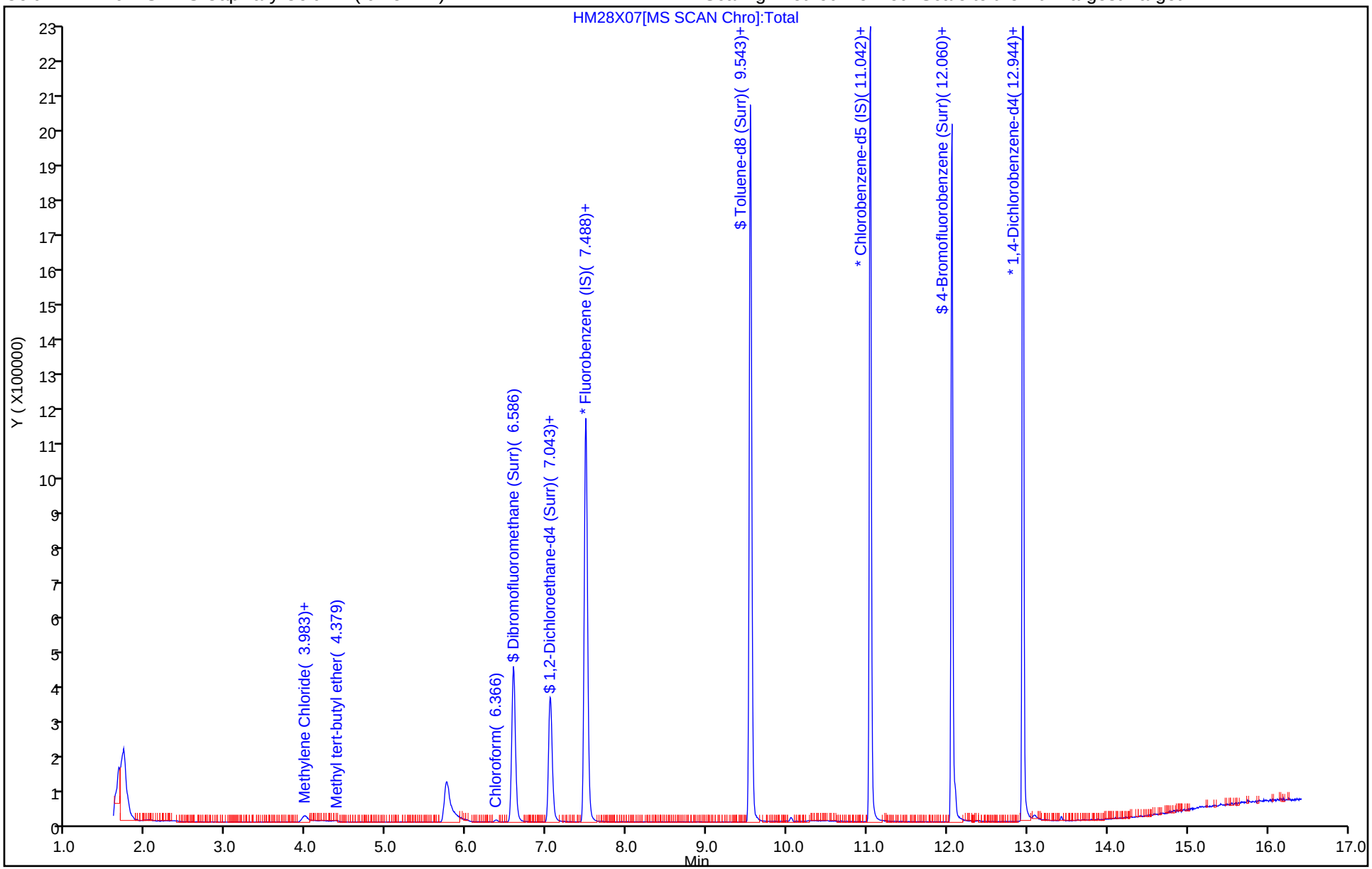
Report Date: 29-Mar-2024 07:30:53 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X07.D

Injection Date:	28-Mar-2024 09:42:30	Instrument ID:	19094	Operator ID:	knk41612
Lims ID:	410-164764-A-14	Lab Sample ID:	410-164764-14	Worklist Smp#:	8
Client ID:	HD-QC1-0/1-2				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X07.D				
Lims ID:	410-164764-A-14				
Client ID:	HD-QC1-0/1-2				
Sample Type:	Client				
Inject. Date:	28-Mar-2024 09:42:30	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0109765-008				
Operator ID:	knk41612	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20240328-109765.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	29-Mar-2024 07:30:53	Calib Date:	17-Oct-2023 09:43:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1677				

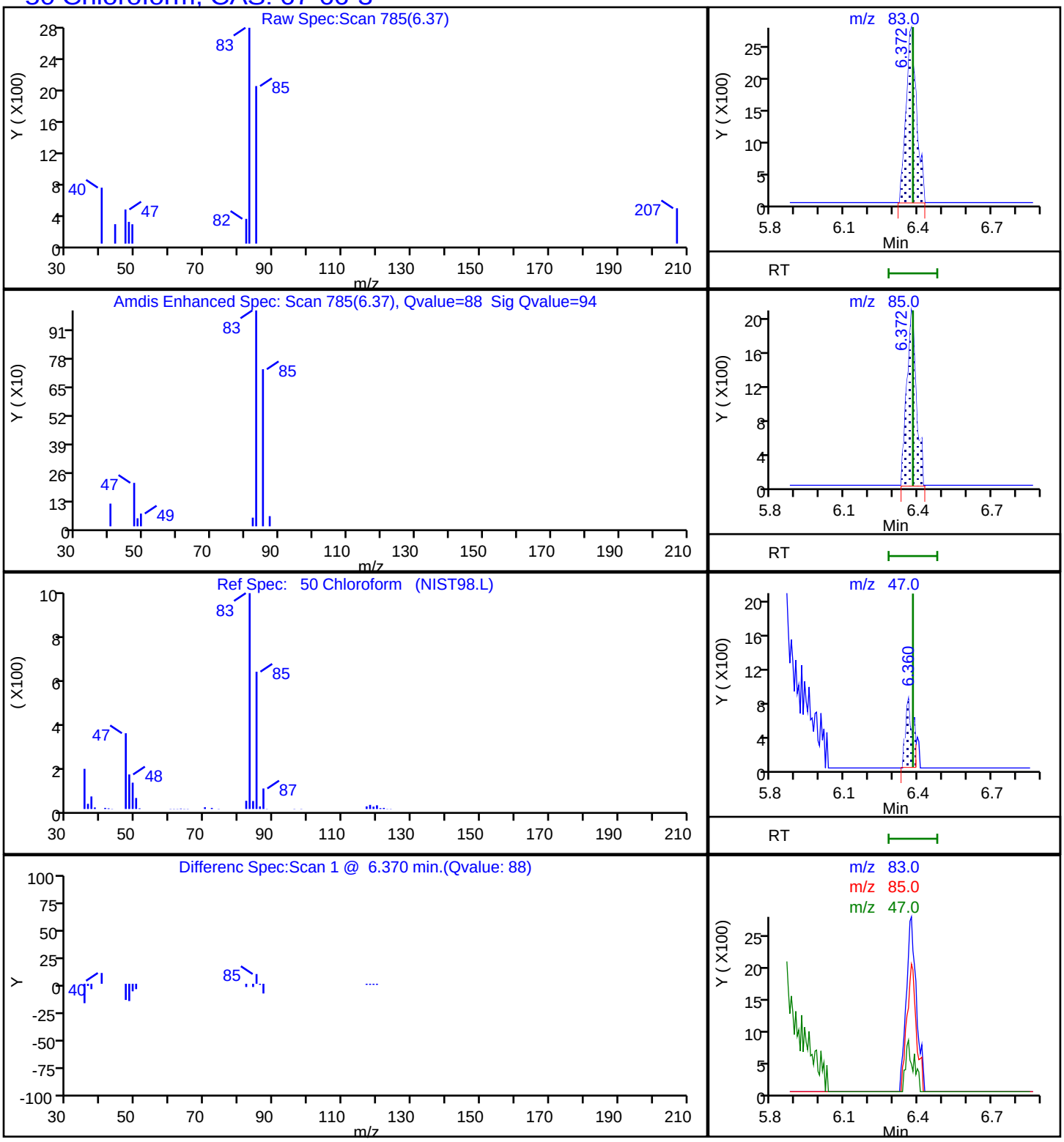
First Level Reviewer: FQ4L Date: 29-Mar-2024 07:30:53

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	10.5	105.13
$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	12.0	120.19
$ 83 Toluene-d8 (Surr)	10.0	9.53	95.26
$ 126 4-Bromofluorobenzene (Surr)	10.0	9.50	95.02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X07.D				
Injection Date:	28-Mar-2024 09:42:30	Instrument ID:	19094		
Lims ID:	410-164764-A-14	Lab Sample ID:	410-164764-14		
Client ID:	HD-QC1-0/1-2				
Operator ID:	knk41612	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

50 Chloroform, CAS: 67-66-3



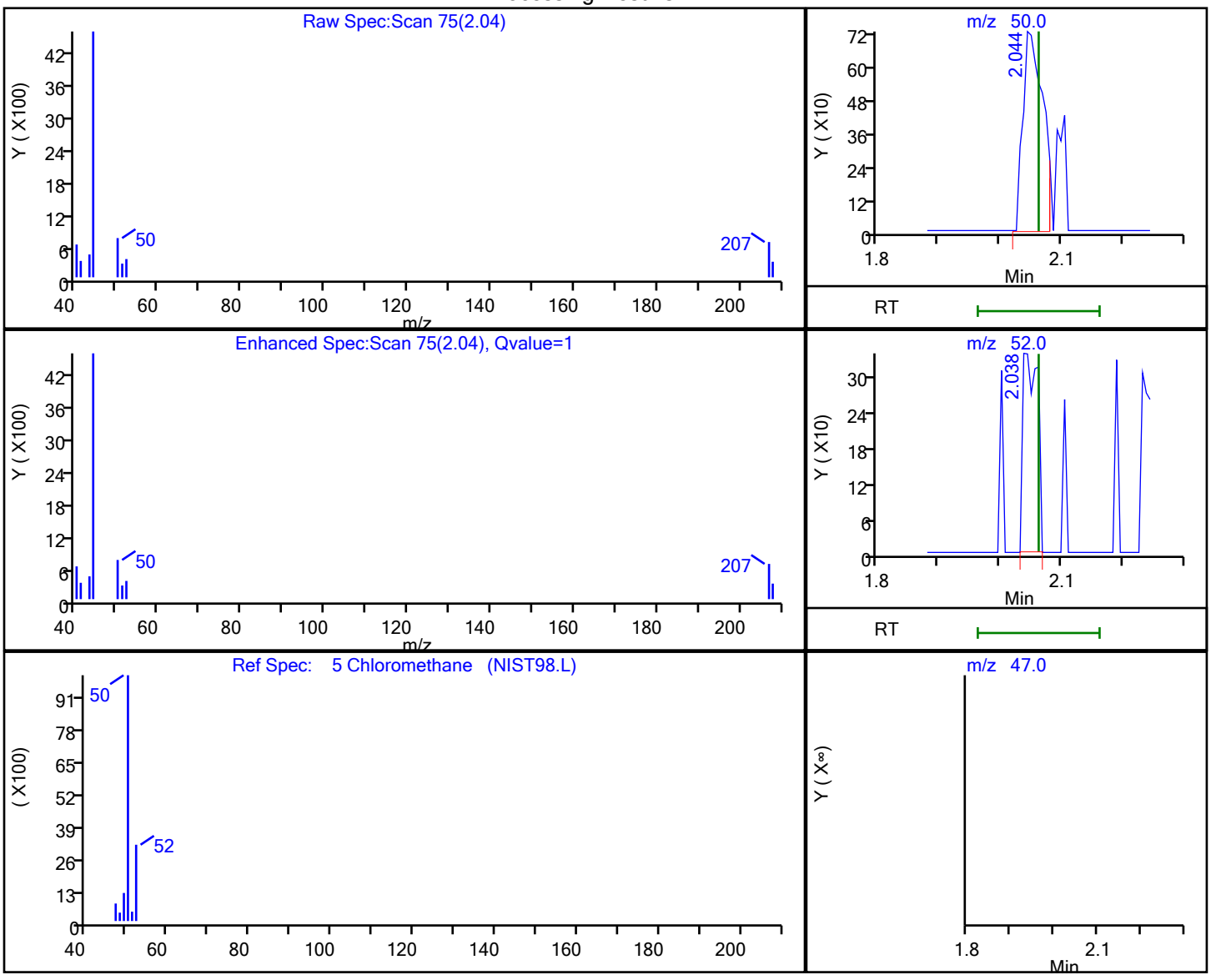
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X07.D				
Injection Date:	28-Mar-2024 09:42:30	Instrument ID:	19094		
Lims ID:	410-164764-A-14	Lab Sample ID:	410-164764-14		
Client ID:	HD-QC1-0/1-2				
Operator ID:	knk41612	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

5 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
2.04	50.00	1652	0.031830
2.04	52.00	573	
2.06	47.00	0	

Reviewer: FQ4L, 29-Mar-2024 07:30:33 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 102081

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2021 19:26 Calibration End Date: 03/11/2021 21:40 Calibration ID: 21794

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-102081/18	CM11X18.D
Level 2	IC 410-102081/17	CM11X17.D
Level 3	IC 410-102081/16	CM11X16.D
Level 4	IC 410-102081/15	CM11X15.D
Level 5	IC 410-102081/14	CM11X14.D
Level 6	ICIS 410-102081/13	CM11X13.D
Level 7	IC 410-102081/12	CM11X12.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	+++++ 0.2868	0.2407 0.2935	0.2474	0.2524	0.2643	Ave		0.2642			0.1000	8.2		20.0			
Chloromethane	0.3752 0.3347	0.3265 0.3251	0.3014	0.3014	0.3209	Ave		0.3264			0.1000	7.6		20.0			
1,3-Butadiene	0.3605 0.3474	0.3846 0.3474	0.3552	0.3624	0.3505	Ave		0.3583				3.6		20.0			
Vinyl chloride	0.2715 0.3238	0.2865 0.3208	0.2894	0.2921	0.3035	Ave		0.2982			0.1000	6.4		20.0			
Bromomethane	0.2388 0.2173	0.2165 0.2137	0.2040	0.1997	0.2113	Ave		0.2145			0.1000	5.8		20.0			
Chloroethane	0.2013 0.2015	0.1898 0.2010	0.1905	0.1844	0.1990	Ave		0.1954			0.1000	3.6		20.0			
Dichlorofluoromethane	0.4792 0.4671	0.4345 0.4641	0.4278	0.4222	0.4565	Ave		0.4502			0.1000	4.9		20.0			
Trichlorofluoromethane	+++++ 0.4374	0.3884 0.4323	0.3891	0.3858	0.4067	Ave		0.4066			0.1000	5.7		20.0			
Ethyl ether	0.2147 0.2317	0.2333 0.2273	0.2054	0.2087	0.2234	Ave		0.2206				5.1		20.0			
Freon 123a	0.2953 0.3157	0.3295 0.3240	0.3245	0.3237	0.3178	Ave		0.3186				3.5		20.0			
Acrolein	1.7897 1.5098	2.0571 2.1489	2.1340	2.0528	2.0064	Ave		1.9570				11.8		20.0			
1,1-Dichloroethene	0.2240 0.2279	0.2369 0.2306	0.2324	0.2287	0.2257	Ave		0.2295			0.1000	1.9		20.0			
Freon 113	0.1993 0.2587	0.2610 0.2626	0.2513	0.2582	0.2576	Ave		0.2498			0.1000	9.0		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.: 410-164764-1 Analy Batch No.: 102081

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2021 19:26 Calibration End Date: 03/11/2021 21:40 Calibration ID: 21794

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetone	2.1036 2.1276	2.3282 2.4595	2.3963	2.3914	2.3604	Ave		2.3096			0.1000	6.0		20.0			
Methyl iodide	0.4418 0.4498	0.4556 0.4514	0.4464	0.4498	0.4439	Ave		0.4484				1.0		20.0			
Ethyl bromide	0.1833 0.1997	0.2041 0.1984	0.1812	0.1823	0.1977	Ave		0.1924				5.0		20.0			
Carbon disulfide	0.7287 0.8139	0.7827 0.8189	0.7749	0.7767	0.7896	Ave		0.7836			0.1000	3.8		20.0			
Methyl acetate	4.3737 5.4862	4.7356 6.4960	4.5544	4.2722	5.5313	Ave		5.0642			0.1000	16.0		20.0			
Allyl chloride	0.4432 0.4378	0.4408 0.4361	0.3892	0.3896	0.4333	Ave		0.4243				5.7		20.0			
Methylene Chloride	0.2644 0.2571	0.2606 0.2556	0.2548	0.2568	0.2541	Ave		0.2576			0.1000	1.4		20.0			
t-Butyl alcohol	0.8752 0.8020	0.9651 0.9987	1.0057	0.8184	0.7927	Ave		0.8940				10.5		20.0			
Acrylonitrile	2.8111 3.1799	3.3883 3.5101	3.4613	3.1918	3.4262	Ave		3.2812				7.4		20.0			
Methyl tertiary butyl ether	0.7385 0.7676	0.7697 0.7540	0.7563	0.7660	0.7475	Ave		0.7571			0.1000	1.5		20.0			
trans-1,2-Dichloroethene	0.2705 0.2612	0.2680 0.2644	0.2582	0.2649	0.2557	Ave		0.2633			0.1000	2.0		20.0			
n-Hexane	0.3485 0.4357	0.4327 0.4427	0.4098	0.4187	0.4250	Ave		0.4162				7.6		20.0			
1,1-Dichloroethane	0.4880 0.5050	0.5021 0.4989	0.5037	0.4957	0.4966	Ave		0.4986			0.2000	1.2		20.0			
di-Isopropyl ether	0.9094 0.9471	0.9427 0.9490	0.9396	0.9502	0.9311	Ave		0.9384				1.5		20.0			
2-Chloro-1,3-butadiene	0.4221 0.4646	0.4495 0.4774	0.4486	0.4476	0.4557	Ave		0.4522				3.8		20.0			
Ethyl t-butyl ether	0.8953 0.9201	0.9166 0.9151	0.9184	0.9197	0.9069	Ave		0.9132				1.0		20.0			
2-Butanone	4.5493 4.4436	4.6060 4.9875	4.6974	4.8294	4.7430	Ave		4.6937			0.1000	3.9		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 102081

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2021 19:26 Calibration End Date: 03/11/2021 21:40 Calibration ID: 21794

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
cis-1,2-Dichloroethene	0.2956 0.2951	0.3061 0.2972	0.2902	0.3007	0.2879	Ave		0.2961			0.1000	2.1		20.0			
2,2-Dichloropropane	0.3821 0.4121	0.4087 0.4199	0.4003	0.4097	0.4018	Ave		0.4049				3.0		20.0			
Propionitrile	1.1615 1.2455	1.1135 1.3697	1.1352	1.3221	1.3168	Ave		1.2377				8.3		20.0			
Methacrylonitrile	4.4673 4.3334	4.6032 5.0491	4.6880	4.6025	4.6775	Ave		4.6316				4.8		20.0			
Bromochloromethane	0.1280 0.1353	0.1411 0.1341	0.1249	0.1252	0.1323	Ave		0.1316				4.5		20.0			
Tetrahydrofuran	1.2020 1.2950	1.3535 1.4765	1.3624	1.3960	1.3764	Ave		1.3517				6.3		20.0			
Chloroform	0.4716 0.4771	0.4900 0.4812	0.4744	0.4766	0.4662	Ave		0.4767			0.2000	1.6		20.0			
1,1,1-Trichloroethane	0.3890 0.4249	0.4383 0.4347	0.4134	0.4192	0.4170	Ave		0.4195			0.1000	3.9		20.0			
Cyclohexane	0.4367 0.5206	0.5050 0.5344	0.4985	0.5078	0.5070	Ave		0.5014			0.1000	6.2		20.0			
Carbon tetrachloride	0.3005 0.3661	0.3515 0.3788	0.3488	0.3482	0.3563	Ave		0.3500			0.1000	7.0		20.0			
1,1-Dichloropropene	0.3728 0.3967	0.3943 0.4064	0.3833	0.3872	0.3876	Ave		0.3897				2.7		20.0			
Isobutyl alcohol	0.3363 0.3289	0.3164 0.3803	0.3370	0.3019	0.3229	Ave		0.3320				7.4		20.0			
Benzene	1.1006 1.1323	1.1629 1.1485	1.1182	1.1212	1.1222	Ave		1.1294			0.5000	1.8		20.0			
1,2-Dichloroethane	0.3575 0.3307	0.3531 0.3278	0.3264	0.3313	0.3293	Ave		0.3366			0.1000	3.8		20.0			
t-Amyl methyl ether	0.7739 0.8284	0.8269 0.8175	0.8057	0.8183	0.8196	Ave		0.8129				2.3		20.0			
n-Heptane	0.4399 0.4836	0.4562 0.4867	0.4407	0.4431	0.4518	Ave		0.4574				4.3		20.0			
n-Butanol	0.2349 0.3006	0.2657 0.3702	0.2716	0.2524	0.2752	Ave		0.2815				15.6		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 102081

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2021 19:26 Calibration End Date: 03/11/2021 21:40 Calibration ID: 21794

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Trichloroethene	0.2727 0.2885	0.2926 0.2951	0.2852	0.2861	0.2835	Ave		0.2862			0.2000	2.5		20.0			
Methylcyclohexane	+++++ 0.5446	0.5161 0.5436	0.4791	0.4632	0.5276	Ave		0.5124			0.1000	6.6		20.0			
1,2-Dichloropropane	0.2808 0.2956	0.2970 0.3025	0.2850	0.2920	0.2900	Ave		0.2918			0.1000	2.5		20.0			
Methyl methacrylate	8.5666 8.6493	8.8253 11.051	9.3723	9.6958	9.4060	Ave		9.3667				9.1		20.0			
Dibromomethane	0.1287 0.1401	0.1345 0.1399	0.1366	0.1369	0.1373	Ave		0.1363				2.8		20.0			
1,4-Dioxane	+++++ 0.0490	0.0718 0.0735	0.0628	0.0526	0.0522	Ave		0.0603			0.0050	17.6		20.0			
Bromodichloromethane	0.3187 0.3494	0.3315 0.3562	0.3332	0.3373	0.3385	Ave		0.3378			0.2000	3.6		20.0			
2-Nitropropane	3.0227 2.9296	2.6333 3.5570	3.0168	3.1243	3.1422	Ave		3.0608				9.0		20.0			
1-Bromo-2-chloroethane	0.2537 0.2948	0.2908 0.2892	0.2611	0.2667	0.2869	Ave		0.2776				6.0		20.0			
cis-1,3-Dichloropropene	0.4138 0.4529	0.4239 0.4618	0.4188	0.4442	0.4400	Ave		0.4365			0.2000	4.2		20.0			
4-Methyl-2-pentanone	11.126 12.213	12.449 14.989	12.890	13.367	13.367	Ave		12.914			0.1000	9.3		20.0			
Toluene	0.9483 0.9804	0.9837 1.0093	0.9708	0.9802	0.9627	Ave		0.9765			0.4000	2.0		20.0			
trans-1,3-Dichloropropene	0.4777 0.5209	0.4712 0.5390	0.4785	0.4873	0.5083	Ave		0.4976			0.1000	5.1		20.0			
Ethyl methacrylate	0.3816 0.4530	0.3820 0.4573	0.4079	0.4387	0.4332	Ave		0.4219				7.5		20.0			
1,1,2-Trichloroethane	0.2788 0.2698	0.2771 0.2709	0.2636	0.2752	0.2650	Ave		0.2715			0.1000	2.2		20.0			
Tetrachloroethene	0.3769 0.4172	0.4279 0.4324	0.4073	0.4197	0.4160	Ave		0.4139			0.2000	4.4		20.0			
1,3-Dichloropropane	0.4704 0.4943	0.4847 0.4931	0.4764	0.4884	0.4860	Ave		0.4847				1.8		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 102081

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2021 19:26 Calibration End Date: 03/11/2021 21:40 Calibration ID: 21794

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	9.1578 8.8425	8.9604 10.902	9.1325	9.5103	9.6798	Ave		9.4551			0.1000	7.4		20.0			
Dibromochloromethane	0.2606 0.3332	0.2862 0.3438	0.2875	0.3071	0.3189	Ave		0.3053				9.6		20.0			
1,2-Dibromoethane	0.2411 0.2694	0.2601 0.2726	0.2565	0.2669	0.2666	Ave		0.2619			0.1000	4.1		20.0			
1-Chlorohexane	0.5755 0.5570	0.5814 0.5805	0.5423	0.5530	0.5471	Ave		0.5624				2.9		20.0			
Chlorobenzene	1.1039 1.0997	1.1268 1.1255	1.0908	1.0808	1.0810	Ave		1.1012			0.5000	1.7		20.0			
1,1,1,2-Tetrachloroethane	0.3450 0.3823	0.3542 0.3963	0.3503	0.3720	0.3716	Ave		0.3674				5.0		20.0			
Ethylbenzene	1.8210 1.9320	1.9020 1.9996	1.8818	1.9030	1.8903	Ave		1.9042			0.1000	2.8		20.0			
m&p-Xylene	0.6924 0.7519	0.7421 0.7747	0.7289	0.7421	0.7394	Ave		0.7388			0.1000	3.4		20.0			
o-Xylene	0.7020 0.7411	0.7364 0.7691	0.7181	0.7455	0.7345	Ave		0.7352			0.3000	2.9		20.0			
Styrene	1.1583 1.2656	1.2148 1.3049	1.1860	1.2297	1.2317	Ave		1.2273			0.3000	4.0		20.0			
Bromoform	0.1422 0.1940	0.1604 0.2036	0.1595	0.1737	0.1815	Ave		0.1736			0.1000	12.3		20.0			
Isopropylbenzene	1.7449 1.9465	1.9163 2.0111	1.8833	1.9162	1.9269	Ave		1.9065			0.1000	4.3		20.0			
1,1,2,2-Tetrachloroethane	0.5823 0.6508	0.6418 0.6497	0.6382	0.6216	0.6393	Ave		0.6320			0.3000	3.8		20.0			
Bromobenzene	0.8547 0.8409	0.8627 0.8544	0.8515	0.8484	0.8425	Ave		0.8507				0.9		20.0			
trans-1,4-Dichloro-2-butene	0.1526 0.1995	0.1751 0.2041	0.1842	0.1880	0.1911	Ave		0.1849				9.3		20.0			
1,2,3-Trichloropropane	0.1594 0.1746	0.1737 0.1703	0.1712	0.1748	0.1713	Ave		0.1708				3.1		20.0			
N-Propylbenzene	3.8559 4.1319	4.2223 4.2515	4.1212	4.0623	4.1745	Ave		4.1171				3.2		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 102081

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2021 19:26 Calibration End Date: 03/11/2021 21:40 Calibration ID: 21794

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	0.8450 0.8478	0.8775 0.8613	0.8397	0.8512	0.8428	Ave		0.8522				1.5		20.0			
1,3,5-Trimethylbenzene	2.8382 3.0501	3.0135 3.1572	3.0190	2.9969	3.0422	Ave		3.0167				3.1		20.0			
4-Chlorotoluene	0.8670 0.8784	0.9375 0.8989	0.8924	0.8849	0.8843	Ave		0.8919				2.5		20.0			
tert-Butylbenzene	0.6441 0.6576	0.6478 0.6768	0.6387	0.6454	0.6542	Ave		0.6521				1.9		20.0			
Pentachloroethane	0.4071 0.5210	0.4617 0.5395	0.4154	0.4370	0.5055	Ave		0.4696				11.3		20.0			
1,2,4-Trimethylbenzene	2.8279 3.1882	3.1600 3.3059	3.0581	3.1365	3.1712	Ave		3.1211				4.8		20.0			
sec-Butylbenzene	3.4504 3.9674	3.8585 4.0784	3.9054	3.8693	3.9338	Ave		3.8662				5.1		20.0			
1,3-Dichlorobenzene	1.6201 1.6859	1.6718 1.7265	1.6948	1.6902	1.6743	Ave		1.6805			0.6000	1.9		20.0			
p-Isopropyltoluene	3.0024 3.4343	3.3569 3.5772	3.3416	3.3747	3.4252	Ave		3.3589				5.2		20.0			
1,4-Dichlorobenzene	1.7319 1.7202	1.7473 1.7495	1.7241	1.7128	1.6992	Ave		1.7264			0.5000	1.0		20.0			
1,2,3-Trimethylbenzene	1.4210 1.4153	1.4358 1.4246	1.3128	1.2867	1.4129	Ave		1.3870				4.4		20.0			
Benzyl chloride	0.1745 0.2722	0.1997 0.2848	0.2191	0.2392	0.2605	Ave		0.2357				17.0		20.0			
n-Butylbenzene	1.6456 1.7625	1.6566 1.8201	1.6724	1.6895	1.7487	Ave		1.7136				3.8		20.0			
1,2-Dichlorobenzene	1.5864 1.5782	1.5916 1.5941	1.5934	1.5706	1.5674	Ave		1.5831			0.4000	0.7		20.0			
1,2-Dibromo-3-Chloropropane	0.0692 0.0985	0.0806 0.0983	0.0844	0.0907	0.0902	Ave		0.0874			0.0500	11.9		20.0			
1,3,5-Trichlorobenzene	1.3585 1.3736	1.4033 1.4118	1.3635	1.3662	1.3753	Ave		1.3789				1.5		20.0			
1,2,4-Trichlorobenzene	1.2097 1.2527	1.2399 1.2568	1.2231	1.2474	1.2426	Ave		1.2389			0.2000	1.4		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.: 410-164764-1 Analy Batch No.: 102081

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2021 19:26 Calibration End Date: 03/11/2021 21:40 Calibration ID: 21794

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.5169 0.6110	0.6018 0.6204	0.5963	0.5770	0.5957	Ave		0.5884				5.8		20.0			
Naphthalene	2.1636 2.3099	2.1932 2.2323	2.1713	2.3029	2.2648	Ave		2.2340				2.7		20.0			
1,2,3-Trichlorobenzene	1.1382 1.0983	1.1033 1.0862	1.0888	1.1002	1.0930	Ave		1.1011				1.6		20.0			
Dibromofluoromethane (Surr)	0.2355 0.2387	0.2370 0.2377	0.2362	0.2372	0.2351	Ave		0.2368				0.5		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0486 0.0493	0.0490 0.0480	0.0493	0.0489	0.0483	Ave		0.0488				1.0		20.0			
Toluene-d8 (Surr)	1.3363 1.3424	1.3407 1.3415	1.3256	1.3406	1.3371	Ave		1.3378				0.4		20.0			
4-Bromofluorobenzene (Surr)	0.5107 0.5181	0.5115 0.5143	0.5067	0.5117	0.5137	Ave		0.5124				0.7		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-164764-1 | Analy Batch No.: 102081

SDG No.:

Instrument ID: 10193 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2021 19:26 | Calibration End Date: 03/11/2021 21:40 | Calibration ID: 21794

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-102081/18	CM11X18.D
Level 2	IC 410-102081/17	CM11X17.D
Level 3	IC 410-102081/16	CM11X16.D
Level 4	IC 410-102081/15	CM11X15.D
Level 5	IC 410-102081/14	CM11X14.D
Level 6	ICIS 410-102081/13	CM11X13.D
Level 7	IC 410-102081/12	CM11X12.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	+++++ 638910	26325 1652589	54318	111163	294102	+++++ 10.0	0.500 25.0	1.00	2.00	5.00
Chloromethane	FB	Ave	16127 745676	35701 1830118	66165	132701	357138	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Butadiene	FB	Ave	15497 773897	42056 1956045	77994	159570	390039	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Vinyl chloride	FB	Ave	11671 721419	31326 1805860	63531	128627	337747	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromomethane	FB	Ave	10263 484085	23670 1202958	44794	87944	235118	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloroethane	FB	Ave	8651 448998	20758 1131496	41826	81222	221465	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dichlorofluoromethane	FB	Ave	20597 1040739	47511 2612848	93918	185905	508015	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Trichlorofluoromethane	FB	Ave	+++++ 974568	42470 2433596	85429	169901	452638	+++++ 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl ether	FB	Ave	9230 516266	25522 1279724	45094	91906	248665	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Freon 123a	FB	Ave	12692 703428	36027 1823966	71240	142547	353727	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acrolein	TBAd10	Ave	62338 2949165	175965 8359764	353509	710384	1720138	10.00 500	25.0 1250	50.0	100.0	250
1,1-Dichloroethene	FB	Ave	9628 507852	25908 1298230	51031	100690	251228	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Freon 113	FB	Ave	8566 576399	28545 1478508	55171	113688	286674	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetone	TBAd10	Ave	14655 831213	39833 1913703	79397	165522	404761	2.00 100	5.00 250	10.0	20.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 102081

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2021 19:26 Calibration End Date: 03/11/2021 21:40 Calibration ID: 21794

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methyl iodide	FB	Ave	18991 1002107	49816 2541566	98011	198061	494002	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl bromide	FB	Ave	7881 445062	22324 1117620	39807	80324	220183	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon disulfide	FB	Ave	31322 1813268	85582 4610358	170125	342025	878787	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl acetate	TBAd10	Ave	3047 214332	8102 505443	15090	29570	94849	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Allyl chloride	FB	Ave	19050 975407	48201 2455479	85456	171541	482293	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylene Chloride	FB	Ave	11365 572783	28496 1438992	55939	113062	282773	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Butyl alcohol	TBAd10	Ave	12195 626623	33022 1554132	66645	113296	271870	4.00 200	10.0 500	20.0	40.0	100
Acrylonitrile	TBAd10	Ave	9792 621154	28985 1365561	57341	110460	293755	1.00 50.0	2.50 125	5.00	10.0	25.0
Methyl tertiary butyl ether	FB	Ave	31742 1710267	84164 4245068	166043	337303	831909	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,2-Dichloroethene	FB	Ave	11628 582033	29304 1488618	56687	116638	284572	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Hexane	FB	Ave	14981 970731	47320 2492359	89978	184368	473040	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloroethane	FB	Ave	20975 1125021	54906 2808790	110580	218292	552735	0.200 10.0	0.500 25.0	1.00	2.00	5.00
di-Isopropyl ether	FB	Ave	39087 2110173	103081 5342831	206284	418436	1036220	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloro-1,3-butadiene	FB	Ave	18141 1035042	49154 2687975	98492	197110	507130	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl t-butyl ether	FB	Ave	38483 2049982	100234 5152143	201628	404995	1009285	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Butanone	TBAd10	Ave	31693 1736002	78803 3880715	155637	334264	813308	2.00 100	5.00 250	10.0	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	12707 657423	33468 1673100	63722	132404	320444	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2,2-Dichloropropane	FB	Ave	16422 918101	44691 2363941	87880	180432	447147	0.200 10.0	0.500 25.0	1.00	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 102081

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2021 19:26 Calibration End Date: 03/11/2021 21:40 Calibration ID: 21794

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	16183 973196	38100 2131411	75221	183011	451607	4.00 200	10.0 500	20.0	40.0	100
Methacrylonitrile	TBAd10	Ave	31122 1692968	78755 3928598	155324	318559	802091	2.00 100	5.00 250	10.0	20.0	50.0
Bromochloromethane	FB	Ave	5501 301517	15433 754935	27419	55137	147269	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrahydrofuran	TBAd10	Ave	8374 505929	23156 1148846	45139	96621	236023	2.00 100	5.00 250	10.0	20.0	50.0
Chloroform	FB	Ave	20269 1062972	53577 2709148	104144	209889	518824	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1-Trichloroethane	FB	Ave	16721 946677	47924 2447521	90751	184579	464120	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Cyclohexane	FB	Ave	18772 1159833	55219 3008460	109442	223626	564209	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon tetrachloride	FB	Ave	12915 815634	38434 2132402	76572	153315	396536	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloropropene	FB	Ave	16022 883868	43115 2287812	84150	170486	431370	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isobutyl alcohol	TBAd10	Ave	11714 642545	27067 1479573	55836	104478	276854	10.0 500	25.0 1250	50.0	100	250
Benzene	FB	Ave	47305 2522805	127165 6465992	245502	493717	1248937	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloroethane	FB	Ave	15366 736795	38607 1845635	71667	145889	366485	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Amyl methyl ether	FB	Ave	33265 1845644	90424 4602714	176879	360361	912145	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Heptane	FB	Ave	18909 1077491	49882 2739891	96761	195123	502833	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butanol	TBAd10	Ave	16368 1174357	45459 2880806	89995	174724	471831	20.0 1000	50.0 2500	100	200	500
Trichloroethene	FB	Ave	11721 642792	31990 1661655	62611	125981	315510	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylcyclohexane	FB	Ave	+++++ 1213428	56435 3060627	105184	203974	587148	+++++ 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloropropane	FB	Ave	12070 658625	32475 1702805	62574	128598	322727	0.200 10.0	0.500 25.0	1.00	2.00	5.00

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 102081

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2021 19:26 Calibration End Date: 03/11/2021 21:40 Calibration ID: 21794

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methyl methacrylate	TBAd10	Ave	5968 337909	15099 859899	31053	67109	161291	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dibromomethane	FB	Ave	5533 312160	14702 787764	29994	60285	152781	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dioxane	TBAd10	Ave	+++++ 95813	6141 286043	10402	18216	44758	+++++ 500	25.0 1250	50.0	100	250
Bromodichloromethane	FB	Ave	13700 778515	36245 2005156	73153	148536	376731	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Nitropropane	TBAd10	Ave	21058 1144511	45053 2767627	99954	216244	538810	2.00 100	5.00 250	10.0	20.0	50.0
1-Bromo-2-chloroethane	FB	Ave	10904 656800	31800 1628300	57317	117451	319358	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,3-Dichloropropene	FB	Ave	17787 1009092	46348 2599891	91944	195611	489649	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Methyl-2-pentanone	TBAd10	Ave	77509 4771407	212989 11662350	427068	925221	2292161	2.00 100	5.00 250	10.0	20.0	50.0
Toluene	CBZd5	Ave	30140 1605937	79287 4165555	157189	318476	789331	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,3-Dichloropropene	CBZd5	Ave	15184 853284	37981 2224350	77480	158328	416755	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl methacrylate	CBZd5	Ave	12129 742086	30786 1887282	66038	142527	355177	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2-Trichloroethane	CBZd5	Ave	8862 441913	22332 1117976	42688	89420	217256	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrachloroethene	CBZd5	Ave	11980 683362	34486 1784436	65949	136374	341079	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Dichloropropane	CBZd5	Ave	14952 809652	39064 2035100	77132	158670	398453	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Hexanone	TBAd10	Ave	63799 3454536	153300 8482959	302584	658249	1659867	2.00 100	5.00 250	10.0	20.0	50.0
Dibromochloromethane	CBZd5	Ave	8282 545778	23068 1418943	46550	99777	261477	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromoethane	CBZd5	Ave	7663 441336	20961 1125164	41539	86725	218598	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1-Chlorohexane	CBZd5	Ave	18290 912423	46860 2395674	87814	179673	448580	0.200 10.0	0.500 25.0	1.00	2.00	5.00

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 102081

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2021 19:26 Calibration End Date: 03/11/2021 21:40 Calibration ID: 21794

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZd5	Ave	35087 1801305	90818 4644976	176620	351160	886357	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1,2-Tetrachloroethane	CBZd5	Ave	10966 626288	28551 1635507	56719	120869	304715	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethylbenzene	CBZd5	Ave	57877 3164725	153300 8252418	304702	618284	1549862	0.200 10.0	0.500 25.0	1.00	2.00	5.00
m&p-Xylene	CBZd5	Ave	44013 2463343	119625 6394334	236059	482205	1212550	0.400 20.0	1.00 50.0	2.00	4.00	10.0
o-Xylene	CBZd5	Ave	22311 1213911	59355 3174221	116267	242196	602252	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Styrene	CBZd5	Ave	36816 2073083	97913 5385417	192033	399519	1009923	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromoform	CBZd5	Ave	4521 317762	12929 840188	25830	56445	148820	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isopropylbenzene	CBZd5	Ave	55459 3188415	154456 8299693	304935	622578	1579935	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2,2-Tetrachloroethane	DCBd4	Ave	10091 592875	27999 1491735	55717	110832	286030	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromobenzene	DCBd4	Ave	14812 766044	37632 1961825	74343	151266	376924	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,4-Dichloro-2-butene	DCBd4	Ave	26446 1817706	76366 4687257	160817	335202	854847	2.00 100	5.00 250	10.0	20.0	50.0
1,2,3-Trichloropropane	DCBd4	Ave	2762 159063	7579 391011	14947	31166	76620	0.200 10.0	0.500 25.0	1.00	2.00	5.00
N-Propylbenzene	DCBd4	Ave	66820 3763997	184191 9762204	359813	724330	1867683	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chlorotoluene	DCBd4	Ave	14644 772351	38280 1977820	73314	151778	377056	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trimethylbenzene	DCBd4	Ave	49185 2778516	131460 7249442	263579	534368	1361103	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Chlorotoluene	DCBd4	Ave	15024 800200	40898 2064098	77916	157773	395625	0.200 10.0	0.500 25.0	1.00	2.00	5.00
tert-Butylbenzene	DCBd4	Ave	11161 599057	28261 1553945	55767	115071	292682	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Pentachloroethane	DCBd4	Ave	7055 474580	20143 1238770	36271	77921	226171	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trimethylbenzene	DCBd4	Ave	49005 2904330	137851 7590861	266991	559260	1418798	0.200 10.0	0.500 25.0	1.00	2.00	5.00
sec-Butylbenzene	DCBd4	Ave	59794 3614098	168319 9364813	340967	689917	1759985	0.200 10.0	0.500 25.0	1.00	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 102081

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2021 19:26 Calibration End Date: 03/11/2021 21:40 Calibration ID: 21794

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,3-Dichlorobenzene	DCBd4	Ave	28076 1535756	72929 3964367	147971	301375	749097	0.200 10.0	0.500 25.0	1.00	2.00	5.00
p-Isopropyltoluene	DCBd4	Ave	52030 3128497	146440 8213926	291744	601720	1532453	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dichlorobenzene	DCBd4	Ave	30013 1567051	76222 4017272	150524	305402	760244	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trimethylbenzene	DCBd4	Ave	24625 1289256	62634 3271199	114621	229432	632118	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Benzyl chloride	DCBd4	Ave	3024 247999	8712 654069	19132	42651	116529	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butylbenzene	DCBd4	Ave	28518 1605529	72265 4179344	146017	301250	782387	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichlorobenzene	DCBd4	Ave	27492 1437655	69431 3660345	139116	280041	701278	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	1199 89706	3514 225774	7365	16170	40377	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trichlorobenzene	DCBd4	Ave	23542 1251301	61216 3241837	119040	243600	615322	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trichlorobenzene	DCBd4	Ave	20963 1141116	54089 2885935	106787	222413	555942	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Hexachlorobutadiene	DCBd4	Ave	8957 556571	26251 1424579	52061	102890	266521	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Naphthalene	DCBd4	Ave	37493 2104181	95674 5125836	189574	410615	1013305	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trichlorobenzene	DCBd4	Ave	19725 1000463	48128 2494082	95061	196165	488994	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dibromofluoromethane (Surr)	FB	Ave	506093 531772	518402 535299	518482	522307	523395	10.0 10.0	10.0 10.0	10.0	10.0	10.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	104513 109786	107097 108178	108133	107636	107522	10.0 10.0	10.0 10.0	10.0	10.0	10.0
Toluene-d8 (Surr)	CBZd5	Ave	2123666 2198871	2161262 2214550	2146383	2177829	2192656	10.0 10.0	10.0 10.0	10.0	10.0	10.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	811561 848690	824527 848962	820392	831177	842387	10.0 10.0	10.0 10.0	10.0	10.0	10.0

Curve Type Legend:
Ave = Average ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 102081

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2021 19:26 Calibration End Date: 03/11/2021 21:40 Calibration ID: 21794

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-102081/18	CM11X18.D
Level 2	IC 410-102081/17	CM11X17.D
Level 3	IC 410-102081/16	CM11X16.D
Level 4	IC 410-102081/15	CM11X15.D
Level 5	IC 410-102081/14	CM11X14.D
Level 6	ICIS 410-102081/13	CM11X13.D
Level 7	IC 410-102081/12	CM11X12.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	+++++ 11.1	-8.9	-6.4	-4.4	0.0	8.5	30	50	30	30	30	30
Chloromethane	14.9 -0.4	0.0	-7.7	-7.7	-1.7	2.5	50 30	30	30	30	30	30
1,3-Butadiene	0.6 -3.0	7.3	-0.8	1.1	-2.2	-3.1	50 30	30	30	30	30	30
Vinyl chloride	-8.9 7.6	-3.9	-3.0	-2.1	1.8	8.6	50 30	30	30	30	30	30
Bromomethane	11.3 -0.4	0.9	-4.9	-6.9	-1.5	1.3	50 30	30	30	30	30	30
Chloroethane	3.0 2.9	-2.8	-2.5	-5.6	1.9	3.2	50 30	30	30	30	30	30
Dichlorofluoromethane	6.4 3.1	-3.5	-5.0	-6.2	1.4	3.8	50 30	30	30	30	30	30
Trichlorofluoromethane	+++++ 6.3	-4.5	-4.3	-5.1	0.0	7.6	30	50	30	30	30	30
Ethyl ether	-2.7 3.0	5.8	-6.9	-5.4	1.3	5.0	50 30	30	30	30	30	30
Freon 123a	-7.3 1.7	3.4	1.8	1.6	-0.3	-0.9	50 30	30	30	30	30	30
Acrolein	-8.5 9.8	5.1	9.0	4.9	2.5	-22.8	50 30	30	30	30	30	30
1,1-Dichloroethene	-2.4 0.5	3.3	1.3	-0.4	-1.6	-0.7	50 30	30	30	30	30	30
Freon 113	-20.2 5.1	4.5	0.6	3.3	3.1	3.6	50 30	30	30	30	30	30
Acetone	-8.9 6.5	0.8	3.8	3.5	2.2	-7.9	50 30	30	30	30	30	30
Methyl iodide	-1.5 0.7	1.6	-0.4	0.3	-1.0	0.3	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 102081

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2021 19:26 Calibration End Date: 03/11/2021 21:40 Calibration ID: 21794

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Ethyl bromide	-4.7 3.1	6.1	-5.8	-5.2	2.8	3.8	50 30	30	30	30	30	30
Carbon disulfide	-7.0 4.5	-0.1	-1.1	-0.9	0.8	3.9	50 30	30	30	30	30	30
Methyl acetate	-13.6 28.3	-6.5	-10.1	-15.6	9.2	8.3	50 30	30	30	30	30	30
Allyl chloride	4.5 2.8	3.9	-8.3	-8.2	2.1	3.2	50 30	30	30	30	30	30
Methylene Chloride	2.6 -0.8	1.2	-1.1	-0.3	-1.4	-0.2	50 30	30	30	30	30	30
t-Butyl alcohol	-2.1 11.7	8.0	12.5	-8.4	-11.3	-10.3	50 30	30	30	30	30	30
Acrylonitrile	-14.3 7.0	3.3	5.5	-2.7	4.4	-3.1	50 30	30	30	30	30	30
Methyl tertiary butyl ether	-2.5 -0.4	1.7	-0.1	1.2	-1.3	1.4	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	2.8 0.4	1.8	-1.9	0.6	-2.9	-0.8	50 30	30	30	30	30	30
n-Hexane	-16.3 6.4	4.0	-1.5	0.6	2.1	4.7	50 30	30	30	30	30	30
1,1-Dichloroethane	-2.1 0.1	0.7	1.0	-0.6	-0.4	1.3	50 30	30	30	30	30	30
di-Isopropyl ether	-3.1 1.1	0.5	0.1	1.3	-0.8	0.9	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-6.7 5.6	-0.6	-0.8	-1.0	0.8	2.7	50 30	30	30	30	30	30
Ethyl t-butyl ether	-2.0 0.2	0.4	0.6	0.7	-0.7	0.8	50 30	30	30	30	30	30
2-Butanone	-3.1 6.3	-1.9	0.1	2.9	1.0	-5.3	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	-0.2 0.4	3.4	-2.0	1.5	-2.8	-0.4	50 30	30	30	30	30	30
2,2-Dichloropropane	-5.6 3.7	0.9	-1.1	1.2	-0.8	1.8	50 30	30	30	30	30	30
Propionitrile	-6.2 10.7	-10.0	-8.3	6.8	6.4	0.6	50 30	30	30	30	30	30
Methacrylonitrile	-3.5 9.0	-0.6	1.2	-0.6	1.0	-6.4	50 30	30	30	30	30	30
Bromochloromethane	-2.7 1.9	7.3	-5.1	-4.8	0.6	2.9	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 102081

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2021 19:26 Calibration End Date: 03/11/2021 21:40 Calibration ID: 21794

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Tetrahydrofuran	-11.1 9.2	0.1	0.8	3.3	1.8	-4.2	50 30	30	30	30	30	30
Chloroform	-1.1 0.9	2.8	-0.5	0.0	-2.2	0.1	50 30	30	30	30	30	30
1,1,1-Trichloroethane	-7.3 3.6	4.5	-1.5	-0.1	-0.6	1.3	50 30	30	30	30	30	30
Cyclohexane	-12.9 6.6	0.7	-0.6	1.3	1.1	3.8	50 30	30	30	30	30	30
Carbon tetrachloride	-14.2 8.2	0.4	-0.4	-0.5	1.8	4.6	50 30	30	30	30	30	30
1,1-Dichloropropene	-4.4 4.3	1.2	-1.7	-0.7	-0.6	1.8	50 30	30	30	30	30	30
Isobutyl alcohol	1.3 14.6	-4.7	1.5	-9.1	-2.7	-0.9	50 30	30	30	30	30	30
Benzene	-2.6 1.7	3.0	-1.0	-0.7	-0.6	0.3	50 30	30	30	30	30	30
1,2-Dichloroethane	6.2 -2.6	4.9	-3.0	-1.6	-2.2	-1.7	50 30	30	30	30	30	30
t-Amyl methyl ether	-4.8 0.6	1.7	-0.9	0.7	0.8	1.9	50 30	30	30	30	30	30
n-Heptane	-3.8 6.4	-0.3	-3.7	-3.1	-1.2	5.7	50 30	30	30	30	30	30
n-Butanol	-16.5 31.5 *	-5.6	-3.5	-10.3	-2.3	6.8	50 30	30	30	30	30	30
Trichloroethene	-4.7 3.1	2.2	-0.4	-0.1	-1.0	0.8	50 30	30	30	30	30	30
Methylcyclohexane	+++++ 6.1	0.7	-6.5	-9.6	3.0	6.3	 30	50	30	30	30	30
1,2-Dichloropropane	-3.8 3.6	1.8	-2.3	0.1	-0.6	1.3	50 30	30	30	30	30	30
Methyl methacrylate	-8.5 18.0	-5.8	0.1	3.5	0.4	-7.7	50 30	30	30	30	30	30
Dibromomethane	-5.5 2.7	-1.3	0.2	0.5	0.7	2.8	50 30	30	30	30	30	30
1,4-Dioxane	+++++ 21.9	19.0	4.1	-12.8	-13.5	-18.7	 30	50	30	30	30	30
Bromodichloromethane	-5.7 5.4	-1.9	-1.4	-0.2	0.2	3.4	50 30	30	30	30	30	30
2-Nitropropane	-1.2 16.2	-14.0	-1.4	2.1	2.7	-4.3	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.: 410-164764-1 Analy Batch No.: 102081

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2021 19:26 Calibration End Date: 03/11/2021 21:40 Calibration ID: 21794

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1-Bromo-2-chloroethane	-8.6 4.2	4.8	-6.0	-3.9	3.4	6.2	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-5.2 5.8	-2.9	-4.1	1.8	0.8	3.8	50 30	30	30	30	30	30
4-Methyl-2-pentanone	-13.8 16.1	-3.6	-0.2	3.5	3.5	-5.4	50 30	30	30	30	30	30
Toluene	-2.9 3.4	0.7	-0.6	0.4	-1.4	0.4	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-4.0 8.3	-5.3	-3.8	-2.1	2.2	4.7	50 30	30	30	30	30	30
Ethyl methacrylate	-9.6 8.4	-9.5	-3.3	4.0	2.7	7.4	50 30	30	30	30	30	30
1,1,2-Trichloroethane	2.7 -0.2	2.1	-2.9	1.4	-2.4	-0.6	50 30	30	30	30	30	30
Tetrachloroethene	-8.9 4.5	3.4	-1.6	1.4	0.5	0.8	50 30	30	30	30	30	30
1,3-Dichloropropane	-3.0 1.7	0.0	-1.7	0.7	0.3	2.0	50 30	30	30	30	30	30
2-Hexanone	-3.1 15.3	-5.2	-3.4	0.6	2.4	-6.5	50 30	30	30	30	30	30
Dibromochloromethane	-14.7 12.6	-6.3	-5.8	0.6	4.4	9.1	50 30	30	30	30	30	30
1,2-Dibromoethane	-7.9 4.1	-0.7	-2.0	1.9	1.8	2.9	50 30	30	30	30	30	30
1-Chlorohexane	2.3 3.2	3.4	-3.6	-1.7	-2.7	-1.0	50 30	30	30	30	30	30
Chlorobenzene	0.2 2.2	2.3	-0.9	-1.9	-1.8	-0.1	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-6.1 7.9	-3.6	-4.7	1.3	1.2	4.1	50 30	30	30	30	30	30
Ethylbenzene	-4.4 5.0	-0.1	-1.2	-0.1	-0.7	1.5	50 30	30	30	30	30	30
m&p-Xylene	-6.3 4.9	0.4	-1.3	0.4	0.1	1.8	50 30	30	30	30	30	30
o-Xylene	-4.5 4.6	0.2	-2.3	1.4	-0.1	0.8	50 30	30	30	30	30	30
Styrene	-5.6 6.3	-1.0	-3.4	0.2	0.4	3.1	50 30	30	30	30	30	30
Bromoform	-18.0 17.3	-7.6	-8.1	0.1	4.6	11.8	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 102081

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2021 19:26 Calibration End Date: 03/11/2021 21:40 Calibration ID: 21794

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Isopropylbenzene	-8.5 5.5	0.5	-1.2	0.5	1.1	2.1	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-7.9 2.8	1.6	1.0	-1.6	1.2	3.0	50 30	30	30	30	30	30
Bromobenzene	0.5 0.4	1.4	0.1	-0.3	-1.0	-1.2	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-17.5 10.4	-5.3	-0.4	1.7	3.3	7.9	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-6.7 -0.3	1.7	0.3	2.4	0.3	2.3	50 30	30	30	30	30	30
N-Propylbenzene	-6.3 3.3	2.6	0.1	-1.3	1.4	0.4	50 30	30	30	30	30	30
2-Chlorotoluene	-0.8 1.1	3.0	-1.5	-0.1	-1.1	-0.5	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-5.9 4.7	-0.1	0.1	-0.7	0.8	1.1	50 30	30	30	30	30	30
4-Chlorotoluene	-2.8 0.8	5.1	0.1	-0.8	-0.9	-1.5	50 30	30	30	30	30	30
tert-Butylbenzene	-1.2 3.8	-0.6	-2.0	-1.0	0.3	0.8	50 30	30	30	30	30	30
Pentachloroethane	-13.3 14.9	-1.7	-11.5	-6.9	7.6	10.9	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-9.4 5.9	1.2	-2.0	0.5	1.6	2.2	50 30	30	30	30	30	30
sec-Butylbenzene	-10.8 5.5	-0.2	1.0	0.1	1.7	2.6	50 30	30	30	30	30	30
1,3-Dichlorobenzene	-3.6 2.7	-0.5	0.9	0.6	-0.4	0.3	50 30	30	30	30	30	30
p-Isopropyltoluene	-10.6 6.5	-0.1	-0.5	0.5	2.0	2.2	50 30	30	30	30	30	30
1,4-Dichlorobenzene	0.3 1.3	1.2	-0.1	-0.8	-1.6	-0.4	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	2.4 2.7	3.5	-5.3	-7.2	1.9	2.0	50 30	30	30	30	30	30
Benzyl chloride	-26.0 20.8	-15.3	-7.0	1.5	10.5	15.5	50 30	30	30	30	30	30
n-Butylbenzene	-4.0 6.2	-3.3	-2.4	-1.4	2.0	2.8	50 30	30	30	30	30	30
1,2-Dichlorobenzene	0.2 0.7	0.5	0.7	-0.8	-1.0	-0.3	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 102081

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2021 19:26 Calibration End Date: 03/11/2021 21:40 Calibration ID: 21794

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,2-Dibromo-3-Chloropropane	-20.8 12.5	-7.8	-3.5	3.8	3.3	12.7	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-1.5 2.4	1.8	-1.1	-0.9	-0.3	-0.4	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-2.4 1.4	0.1	-1.3	0.7	0.3	1.1	50 30	30	30	30	30	30
Hexachlorobutadiene	-12.2 5.4	2.3	1.3	-1.9	1.2	3.8	50 30	30	30	30	30	30
Naphthalene	-3.2 -0.1	-1.8	-2.8	3.1	1.4	3.4	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	3.4 -1.4	0.2	-1.1	-0.1	-0.7	-0.3	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	-0.5 0.4	0.1	-0.3	0.2	-0.7	0.8	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	-0.3 -1.5	0.4	1.0	0.2	-0.9	1.0	50 30	30	30	30	30	30
Toluene-d8 (Surr)	-0.1 0.3	0.2	-0.9	0.2	0.0	0.3	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-0.3 0.4	-0.2	-1.1	-0.1	0.3	1.1	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X12.D
Lims ID: IC STD25 Lg
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 11-Mar-2021 19:26:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0023820-012
Misc. Info.: IC STD25 LG
Operator ID: SRK36897 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 23-Mar-2021 16:55:31 Calib Date: 11-Mar-2021 21:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1638

First Level Reviewer: knouses Date: 12-Mar-2021 08:55:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.886	1.879	0.007	99	1652589	25.0	27.8	
3 Chloromethane	50	2.081	2.075	0.006	99	1830118	25.0	24.9	
4 Butadiene	39	2.184	2.178	0.006	93	1956045	25.0	24.2	
5 Vinyl chloride	62	2.191	2.184	0.006	98	1805860	25.0	26.9	
6 Bromomethane	94	2.495	2.495	0.000	91	1202958	25.0	24.9	
7 Chloroethane	64	2.575	2.568	0.007	100	1131496	25.0	25.7	
8 Dichlorofluoromethane	67	2.806	2.800	0.006	97	2612848	25.0	25.8	
9 Trichlorofluoromethane	101	2.867	2.861	0.006	98	2433596	25.0	26.6	
11 Ethyl ether	59	3.093	3.087	0.006	93	1279724	25.0	25.8	
12 1,2-Dichloro-1,1,2-trifluoroetha	67	3.184	3.178	0.006	94	1823966	25.0	25.4	
13 Acrolein	56	3.263	3.257	0.006	99	8359764	1249.9	1372.5	
14 1,1-Dichloroethene	96	3.385	3.379	0.006	96	1298230	25.0	25.1	
15 112TCTFE	101	3.422	3.416	0.006	94	1478508	25.0	26.3	
16 Acetone	43	3.422	3.416	0.006	99	1913703	250.0	266.2	
17 Iodomethane	142	3.574	3.568	0.006	99	2541566	25.0	25.2	
18 Isopropyl alcohol	45	3.587	3.580	0.007	36	942706	500.0	552.2	
19 Ethyl bromide	108	3.599	3.593	0.006	98	1117620	25.0	25.8	
20 Carbon disulfide	76	3.672	3.660	0.012	100	4610358	25.0	26.1	
22 Methyl acetate	43	3.818	3.812	0.006	97	505443	25.0	32.1	M
23 3-Chloro-1-propene	41	3.837	3.830	0.007	90	2455479	25.0	25.7	
24 Methylene Chloride	84	4.019	4.013	0.006	94	1438992	25.0	24.8	
* 25 t-Butyl alcohol-d10 (IS)	65	4.062	4.044	0.018	0	155617	50.0	50.0	
26 2-Methyl-2-propanol	59	4.172	4.160	0.012	99	1554132	500.0	558.6	
27 Acrylonitrile	53	4.355	4.355	0.000	98	1365561	125.0	133.7	
28 Methyl tert-butyl ether	73	4.397	4.397	0.000	96	4245068	25.0	24.9	
29 trans-1,2-Dichloroethene	96	4.410	4.403	0.007	97	1488618	25.0	25.1	
30 Hexane	57	4.830	4.830	0.000	94	2492359	25.0	26.6	
32 1,1-Dichloroethane	63	5.074	5.074	0.000	96	2808790	25.0	25.0	
33 Isopropyl ether	45	5.141	5.129	0.012	93	5342831	25.0	25.3	
34 2-Chloro-1,3-butadiene	53	5.184	5.184	0.000	92	2687975	25.0	26.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Tert-butyl ethyl ether	59	5.678	5.671	0.007	98	5152143	25.0	25.1	
36 2-Butanone (MEK)	43	5.879	5.879	0.000	100	3880715	250.0	265.6	
37 cis-1,2-Dichloroethene	96	5.915	5.915	0.000	84	1673100	25.0	25.1	
38 2,2-Dichloropropane	77	5.934	5.927	0.007	90	2363941	25.0	25.9	
40 Propionitrile	54	5.982	5.982	0.000	99	2131411	500.0	553.3	
S 42 1,2-Dichloroethene, Total	100				0			50.2	
43 Methacrylonitrile	67	6.202	6.196	0.006	94	3928598	250.0	272.5	
44 Chlorobromomethane	128	6.251	6.244	0.007	97	754935	25.0	25.5	
45 Tetrahydrofuran	71	6.263	6.251	0.012	92	1148846	250.0	273.1	
46 Chloroform	83	6.409	6.409	0.000	94	2709148	25.0	25.2	
$ 47 Dibromofluoromethane (Surr)	113	6.623	6.622	0.001	51	535299	10.0	10.0	
48 1,1,1-Trichloroethane	97	6.623	6.622	0.001	99	2447521	25.0	25.9	
49 Cyclohexane	56	6.720	6.714	0.006	92	3008460	25.0	26.6	
50 Carbon tetrachloride	117	6.830	6.830	0.000	97	2132402	25.0	27.1	
51 1,1-Dichloropropene	75	6.842	6.842	0.000	96	2287812	25.0	26.1	
52 Isobutyl alcohol	41	7.019	7.019	0.000	93	1479573	1250.0	1432.0	
$ 53 1,2-Dichloroethane-d4 (Surr)	102	7.086	7.080	0.006	0	108178	10.0	9.85	
54 Benzene	78	7.110	7.104	0.006	97	6465992	25.0	25.4	
55 1,2-Dichloroethane	62	7.183	7.183	0.000	98	1845635	25.0	24.3	
56 Tert-amyl methyl ether	73	7.305	7.299	0.006	98	4602714	25.0	25.1	
* 57 Fluorobenzene (IS)	96	7.519	7.512	0.007	99	2252002	10.0	10.0	
58 n-Heptane	43	7.525	7.525	0.000	92	2739891	25.0	26.6	
59 n-Butanol	56	7.909	7.915	-0.006	90	2880806	2500.0	3287.8	
60 Trichloroethene	95	8.000	7.994	0.006	98	1661655	25.0	25.8	
61 Methylcyclohexane	83	8.299	8.299	0.000	92	3060627	25.0	26.5	
62 1,2-Dichloropropane	63	8.336	8.329	0.007	95	1702805	25.0	25.9	
63 2-ethoxy-2-methyl butane	87	8.348	8.348	0.000	93	2661718	25.0	26.1	
64 Methyl methacrylate	69	8.427	8.427	0.000	92	859899	25.0	29.5	
65 1,4-Dioxane	88	8.439	8.439	0.000	30	286043	1250.0	1523.3	M
66 Dibromomethane	93	8.445	8.445	0.000	97	787764	25.0	25.7	
67 Dichlorobromomethane	83	8.689	8.689	0.000	99	2005156	25.0	26.4	
68 2-Nitropropane	41	8.970	8.970	0.000	98	2767627	250.0	290.5	
71 1-Bromo-2-chloroethane	63	9.085	9.079	0.006	99	1628300	25.0	26.0	
72 cis-1,3-Dichloropropene	75	9.250	9.244	0.006	94	2599891	25.0	26.4	
73 4-Methyl-2-pentanone (MIBK)	43	9.439	9.433	0.006	97	11662350	250.0	290.2	
$ 74 Toluene-d8 (Surr)	98	9.567	9.567	0.000	94	2214550	10.0	10.0	
75 Toluene	92	9.646	9.640	0.006	98	4165555	25.0	25.8	
76 trans-1,3-Dichloropropene	75	9.915	9.915	0.001	95	2224350	25.0	27.1	
78 Ethyl methacrylate	69	9.982	9.982	0.000	90	1887282	25.0	27.1	
S 77 1,3-Dichloropropene, Total	100				0			53.5	
79 1,1,2-Trichloroethane	97	10.128	10.122	0.006	92	1117976	25.0	24.9	
80 Tetrachloroethene	166	10.207	10.201	0.006	96	1784436	25.0	26.1	
81 1,3-Dichloropropane	76	10.293	10.292	0.001	93	2035100	25.0	25.4	
82 2-Hexanone	43	10.354	10.347	0.007	97	8482959	250.0	288.3	
83 Chlorodibromomethane	129	10.506	10.506	0.000	90	1418943	25.0	28.2	
84 Ethylene Dibromide	107	10.616	10.616	0.000	99	1125164	25.0	26.0	
* 85 Chlorobenzene-d5 (IS)	117	11.061	11.060	0.001	87	1650800	10.0	10.0	
86 1-Chlorohexane	91	11.073	11.073	0.000	98	2395674	25.0	25.8	
87 Chlorobenzene	112	11.085	11.085	0.000	96	4644976	25.0	25.6	
89 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	94	1635507	25.0	27.0	
90 Ethylbenzene	91	11.177	11.176	0.001	98	8252418	25.0	26.3	
S 88 Xylenes, Total	106				0			78.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
91 m-Xylene & p-Xylene	106	11.292	11.292	0.000	99	6394334	50.0	52.4	
92 o-Xylene	106	11.628	11.628	0.000	97	3174221	25.0	26.2	
93 Styrene	104	11.646	11.640	0.006	95	5385417	25.0	26.6	
94 Bromoform	173	11.798	11.798	0.000	96	840188	25.0	29.3	
95 Isopropylbenzene	105	11.933	11.932	0.000	96	8299693	25.0	26.4	
$ 98 4-Bromofluorobenzene (Surr)	95	12.079	12.079	0.000	88	848962	10.0	10.0	
99 1,1,2,2-Tetrachloroethane	83	12.189	12.188	0.001	95	1491735	25.0	25.7	
100 Bromobenzene	156	12.195	12.195	0.000	95	1961825	25.0	25.1	
101 trans-1,4-Dichloro-2-butene	53	12.213	12.213	0.000	96	4687257	250.0	275.9	
102 1,2,3-Trichloropropane	110	12.231	12.231	0.000	80	391011	25.0	24.9	
103 N-Propylbenzene	91	12.268	12.268	0.000	99	9762204	25.0	25.8	
104 2-Chlorotoluene	126	12.341	12.341	0.000	96	1977820	25.0	25.3	
105 1,3,5-Trimethylbenzene	105	12.408	12.402	0.006	94	7249442	25.0	26.2	
106 4-Chlorotoluene	126	12.439	12.438	0.000	98	2064098	25.0	25.2	
107 tert-Butylbenzene	134	12.646	12.646	0.000	93	1553945	25.0	25.9	
108 Pentachloroethane	167	12.682	12.682	0.000	93	1238770	25.0	28.7	
109 1,2,4-Trimethylbenzene	105	12.695	12.688	0.007	97	7590861	25.0	26.5	
110 sec-Butylbenzene	105	12.816	12.816	0.000	95	9364813	25.0	26.4	
111 1,3-Dichlorobenzene	146	12.914	12.914	0.000	97	3964367	25.0	25.7	
112 4-Isopropyltoluene	119	12.926	12.920	0.006	97	8213926	25.0	26.6	
* 113 1,4-Dichlorobenzene-d4	152	12.969	12.969	0.000	98	918475	10.0	10.0	
114 1,4-Dichlorobenzene	146	12.987	12.987	0.000	93	4017272	25.0	25.3	
115 1,2,3-Trimethylbenzene	120	12.999	12.999	0.000	99	3271199	25.0	25.7	
116 Benzyl chloride	126	13.066	13.066	0.000	99	654069	25.0	30.2	
119 n-Butylbenzene	92	13.219	13.219	0.000	97	4179344	25.0	26.6	
120 1,2-Dichlorobenzene	146	13.249	13.249	0.000	97	3660345	25.0	25.2	
118 p-Diethylbenzene	119	13.274	13.274	0.000	86	4135696	25.0	26.2	
123 1,2-Dibromo-3-Chloropropane	155	13.798	13.798	0.000	84	225774	25.0	28.1	
124 1,3,5-Trichlorobenzene	180	13.926	13.926	0.000	97	3241837	25.0	25.6	
125 1,2,4-Trichlorobenzene	180	14.353	14.353	0.000	94	2885935	25.0	25.4	
126 Hexachlorobutadiene	225	14.438	14.432	0.006	98	1424579	25.0	26.4	
127 Naphthalene	128	14.536	14.536	0.000	97	5125836	25.0	25.0	
128 1,2,3-Trichlorobenzene	180	14.682	14.676	0.006	95	2494082	25.0	24.7	
129 2-Methylnaphthalene	142	15.298	15.304	-0.006	92	3416406	25.0	24.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_RV1_826_00041	Amount Added: 25.00	Units: uL	
MSV_RV4_826_00047	Amount Added: 25.00	Units: uL	
MSV_RV4GAS826_00118	Amount Added: 25.00	Units: uL	
MSV_HP25_ISSS_00023	Amount Added: 1.00	Units: uL	Run Reagent

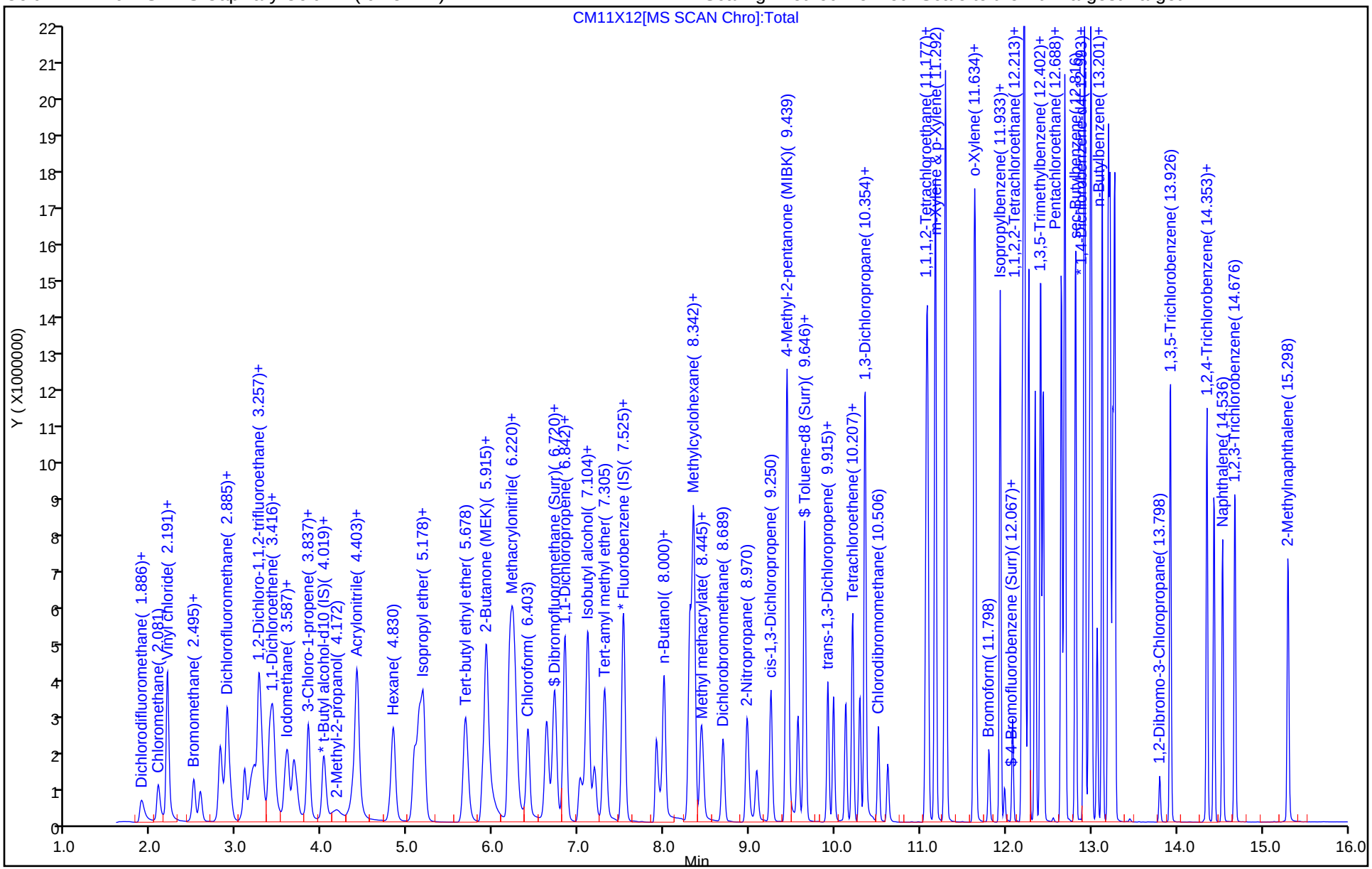
Report Date: 23-Mar-2021 16:55:33 Chrom Revision: 2.3 19-Mar-2021 08:24:58

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X12.D

Injection Date:	11-Mar-2021 19:26:30	Instrument ID:	10193	Operator ID:	SRK36897
Lims ID:	IC STD25 Lg			Worklist Smp#:	12
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

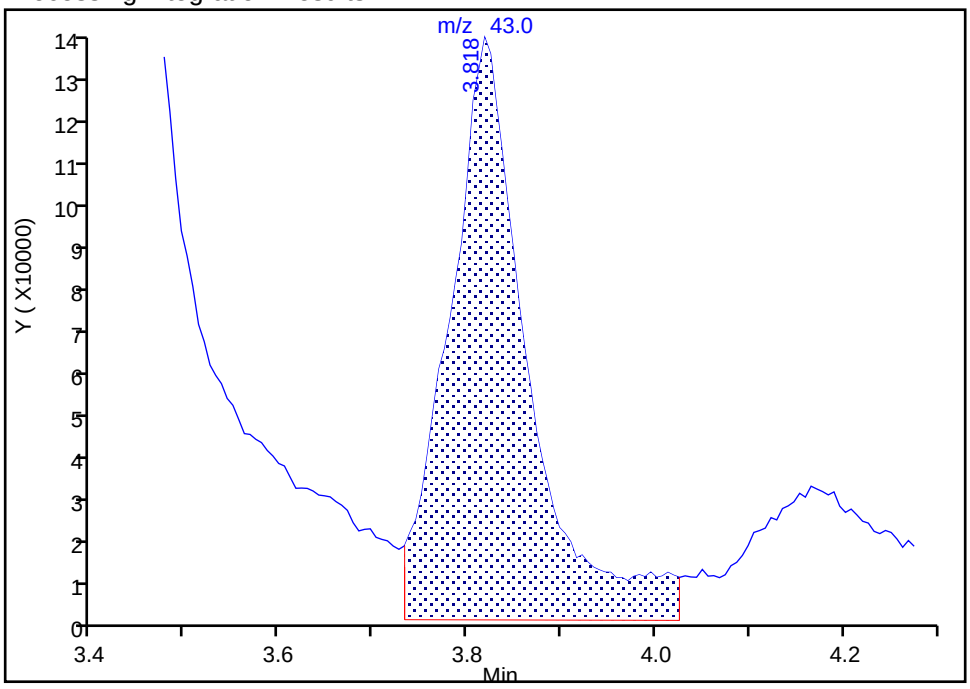
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X12.D				
Injection Date:	11-Mar-2021 19:26:30	Instrument ID:	10193		
Lims ID:	IC STD25 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

22 Methyl acetate, CAS: 79-20-9

Signal: 1

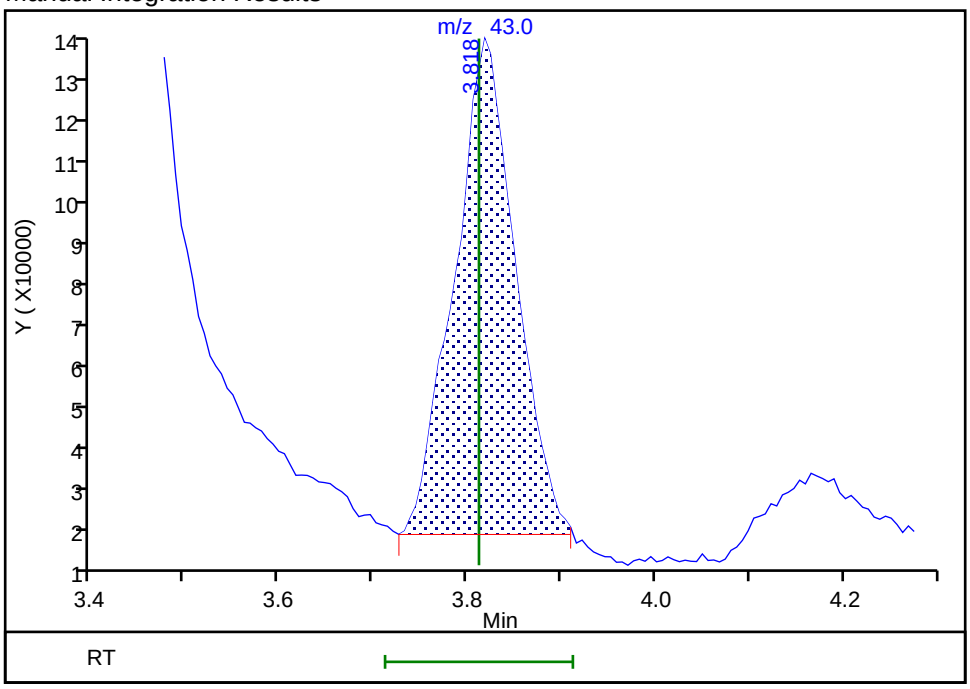
Processing Integration Results

RT: 3.82
Area: 748573
Amount: 27.333555
Amount Units: ug/l



Manual Integration Results

RT: 3.82
Area: 505443
Amount: 32.068131
Amount Units: ug/l



Reviewer: knouses, 23-Mar-2021 12:19:36
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

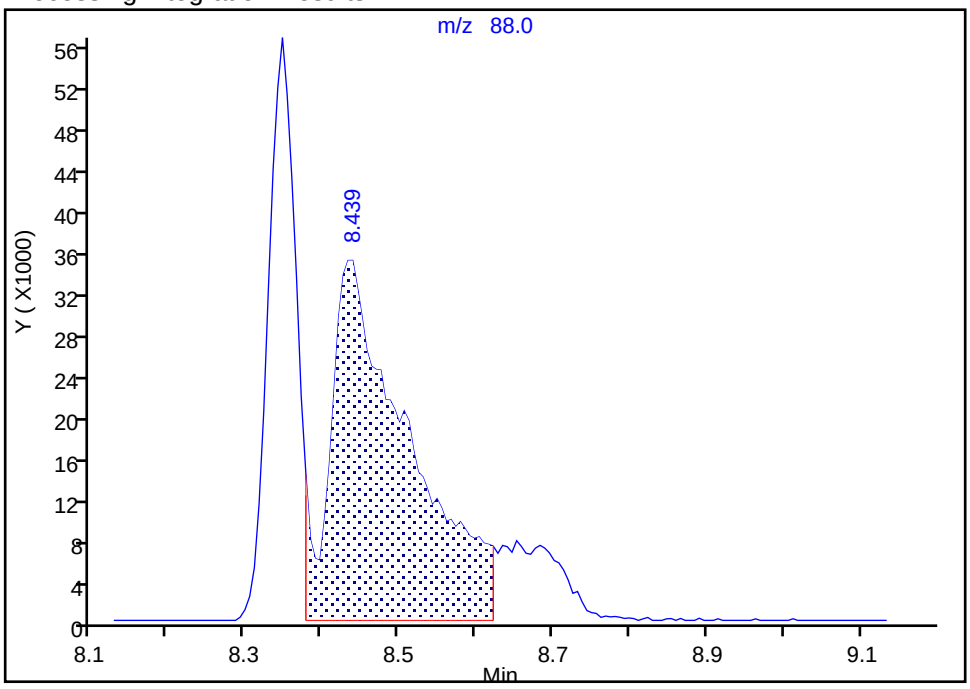
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X12.D
Injection Date: 11-Mar-2021 19:26:30 Instrument ID: 10193
Lims ID: IC STD25 Lg
Client ID:
Operator ID: SRK36897 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

65 1,4-Dioxane, CAS: 123-91-1

Signal: 1

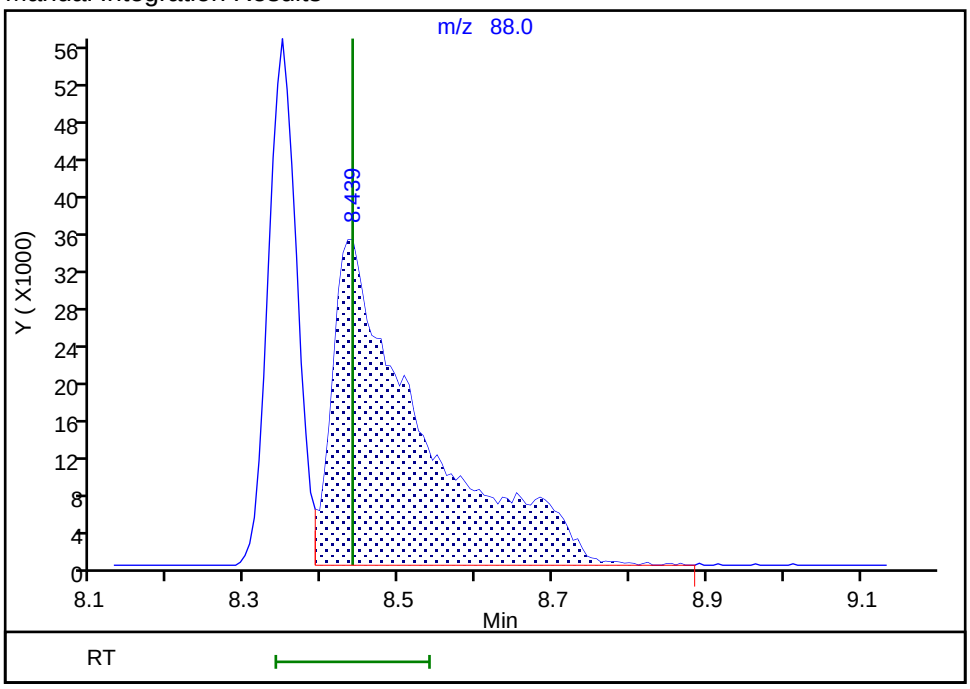
Processing Integration Results

RT: 8.44
Area: 251267
Amount: 1401.3815
Amount Units: ug/l



Manual Integration Results

RT: 8.44
Area: 286043
Amount: 1523.3380
Amount Units: ug/l



Reviewer: knouses, 23-Mar-2021 12:07:35
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X13.D
Lims ID: ICIS STD10 Lg
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 11-Mar-2021 19:49:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0023820-013
Misc. Info.: IC STD5 LG
Operator ID: SRK36897 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 23-Mar-2021 16:55:45 Calib Date: 11-Mar-2021 21:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1638

First Level Reviewer: knouses Date: 12-Mar-2021 09:08:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.879	1.879	0.000	99	638910	10.0	10.9	
3 Chloromethane	50	2.075	2.075	0.000	99	745676	10.0	10.3	
4 Butadiene	39	2.178	2.178	0.000	92	773897	10.0	9.69	
5 Vinyl chloride	62	2.184	2.184	0.000	98	721419	10.0	10.9	
6 Bromomethane	94	2.495	2.495	0.000	91	484085	10.0	10.1	
7 Chloroethane	64	2.568	2.568	0.000	100	448998	10.0	10.3	
8 Dichlorofluoromethane	67	2.800	2.800	0.000	97	1040739	10.0	10.4	
9 Trichlorofluoromethane	101	2.861	2.861	0.000	99	974568	10.0	10.8	
11 Ethyl ether	59	3.087	3.087	0.000	93	516266	10.0	10.5	
12 1,2-Dichloro-1,1,2-trifluoroetha	67	3.178	3.178	0.000	94	703428	10.0	9.91	
13 Acrolein	56	3.257	3.257	0.000	100	2949165	500.0	385.7	
14 1,1-Dichloroethene	96	3.379	3.379	0.000	96	507852	10.0	9.93	
15 112TCTFE	101	3.416	3.416	0.000	93	576399	10.0	10.4	
16 Acetone	43	3.416	3.416	0.000	64	831213	100.0	92.1	M
17 Iodomethane	142	3.568	3.568	0.000	98	1002107	10.0	10.0	
18 Isopropyl alcohol	45	3.580	3.580	0.000	38	422637	200.0	197.2	
19 Ethyl bromide	108	3.593	3.593	0.000	98	445062	10.0	10.4	
20 Carbon disulfide	76	3.660	3.660	0.000	100	1813268	10.0	10.4	
22 Methyl acetate	43	3.812	3.812	0.000	97	214332	10.0	10.8	M
23 3-Chloro-1-propene	41	3.830	3.830	0.000	91	975407	10.0	10.3	
24 Methylene Chloride	84	4.013	4.013	0.000	94	572783	10.0	9.98	
* 25 t-Butyl alcohol-d10 (IS)	65	4.050	4.050	0.000	0	195338	50.0	50.0	
26 2-Methyl-2-propanol	59	4.160	4.160	0.000	100	626623	200.0	179.4	
27 Acrylonitrile	53	4.355	4.355	0.000	98	621154	50.0	48.5	
28 Methyl tert-butyl ether	73	4.397	4.397	0.000	96	1710267	10.0	10.1	
29 trans-1,2-Dichloroethene	96	4.403	4.403	0.000	97	582033	10.0	9.92	
30 Hexane	57	4.830	4.830	0.000	94	970731	10.0	10.5	
32 1,1-Dichloroethane	63	5.074	5.074	0.000	96	1125021	10.0	10.1	
33 Isopropyl ether	45	5.129	5.129	0.000	94	2110173	10.0	10.1	
34 2-Chloro-1,3-butadiene	53	5.184	5.184	0.000	92	1035042	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
35 Tert-butyl ethyl ether	59	5.671	5.671	0.000	98	2049982	10.0	10.1	
36 2-Butanone (MEK)	43	5.879	5.879	0.000	100	1736002	100.0	94.7	
37 cis-1,2-Dichloroethene	96	5.915	5.915	0.000	84	657423	10.0	9.96	
38 2,2-Dichloropropane	77	5.927	5.927	0.000	89	918101	10.0	10.2	
40 Propionitrile	54	5.982	5.982	0.000	99	973196	200.0	201.3	
43 Methacrylonitrile	67	6.196	6.196	0.000	93	1692968	100.0	93.6	
44 Chlorobromomethane	128	6.244	6.244	0.000	96	301517	10.0	10.3	
45 Tetrahydrofuran	71	6.251	6.251	0.000	80	505929	100.0	95.8	
46 Chloroform	83	6.409	6.409	0.000	94	1062972	10.0	10.0	
$ 47 Dibromofluoromethane (Surr)	113	6.622	6.622	0.000	94	531772	10.0	10.1	
48 1,1,1-Trichloroethane	97	6.622	6.622	0.000	99	946677	10.0	10.1	
49 Cyclohexane	56	6.714	6.714	0.000	92	1159833	10.0	10.4	
50 Carbon tetrachloride	117	6.830	6.830	0.000	97	815634	10.0	10.5	
51 1,1-Dichloropropene	75	6.842	6.842	0.000	96	883868	10.0	10.2	
52 Isobutyl alcohol	41	7.019	7.019	0.000	95	642545	500.0	495.4	
$ 53 1,2-Dichloroethane-d4 (Surr)	102	7.080	7.080	0.000	0	109786	10.0	10.1	
54 Benzene	78	7.104	7.104	0.000	97	2522805	10.0	10.0	
55 1,2-Dichloroethane	62	7.183	7.183	0.000	98	736795	10.0	9.83	
56 Tert-amyl methyl ether	73	7.299	7.299	0.000	98	1845644	10.0	10.2	
* 57 Fluorobenzene (IS)	96	7.519	7.519	0.000	99	2227977	10.0	10.0	
58 n-Heptane	43	7.525	7.525	0.000	95	1077491	10.0	10.6	
59 n-Butanol	56	7.915	7.915	0.000	89	1174357	1000.0	1067.7	
60 Trichloroethene	95	7.994	7.994	0.000	98	642792	10.0	10.1	
61 Methylcyclohexane	83	8.299	8.299	0.000	92	1213428	10.0	10.6	
62 1,2-Dichloropropane	63	8.329	8.329	0.000	94	658625	10.0	10.1	
63 2-ethoxy-2-methyl butane	87	8.348	8.348	0.000	92	1038832	10.0	10.3	
64 Methyl methacrylate	69	8.427	8.427	0.000	92	337909	10.0	9.23	
65 1,4-Dioxane	88	8.439	8.439	0.000	33	95813	500.0	406.5	
66 Dibromomethane	93	8.445	8.445	0.000	97	312160	10.0	10.3	
67 Dichlorobromomethane	83	8.689	8.689	0.000	99	778515	10.0	10.3	
68 2-Nitropropane	41	8.970	8.970	0.000	98	1144511	100.0	95.7	
71 1-Bromo-2-chloroethane	63	9.079	9.079	0.000	99	656800	10.0	10.6	
72 cis-1,3-Dichloropropene	75	9.244	9.244	0.000	96	1009092	10.0	10.4	
73 4-Methyl-2-pentanone (MIBK)	43	9.433	9.433	0.000	97	4771407	100.0	94.6	
$ 74 Toluene-d8 (Surr)	98	9.567	9.567	0.000	94	2198871	10.0	10.0	
75 Toluene	92	9.640	9.640	0.000	98	1605937	10.0	10.0	
76 trans-1,3-Dichloropropene	75	9.915	9.915	0.000	95	853284	10.0	10.5	
78 Ethyl methacrylate	69	9.982	9.982	0.000	90	742086	10.0	10.7	
79 1,1,2-Trichloroethane	97	10.122	10.122	0.000	92	441913	10.0	9.94	
80 Tetrachloroethene	166	10.201	10.201	0.000	96	683362	10.0	10.1	
81 1,3-Dichloropropane	76	10.292	10.292	0.000	93	809652	10.0	10.2	
82 2-Hexanone	43	10.347	10.347	0.000	97	3454536	100.0	93.5	
83 Chlorodibromomethane	129	10.506	10.506	0.000	90	545778	10.0	10.9	
84 Ethylene Dibromide	107	10.616	10.616	0.000	99	441336	10.0	10.3	
* 85 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	87	1638044	10.0	10.0	
86 1-Chlorohexane	91	11.073	11.073	0.000	97	912423	10.0	9.90	
87 Chlorobenzene	112	11.085	11.085	0.000	95	1801305	10.0	9.99	
89 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	96	626288	10.0	10.4	
90 Ethylbenzene	91	11.176	11.176	0.000	99	3164725	10.0	10.1	
91 m-Xylene & p-Xylene	106	11.292	11.292	0.000	99	2463343	20.0	20.4	
92 o-Xylene	106	11.628	11.628	0.000	96	1213911	10.0	10.1	
93 Styrene	104	11.640	11.640	0.000	95	2073083	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
94 Bromoform	173	11.798	11.798	0.000	96	317762	10.0	11.2	
95 Isopropylbenzene	105	11.932	11.932	0.000	96	3188415	10.0	10.2	
$ 98 4-Bromofluorobenzene (Surr)	95	12.079	12.079	0.000	89	848690	10.0	10.1	
99 1,1,2,2-Tetrachloroethane	83	12.188	12.188	0.000	93	592875	10.0	10.3	
100 Bromobenzene	156	12.195	12.195	0.000	95	766044	10.0	9.88	
101 trans-1,4-Dichloro-2-butene	53	12.213	12.213	0.000	96	1817706	100.0	107.9	
102 1,2,3-Trichloropropane	110	12.231	12.231	0.000	81	159063	10.0	10.2	
103 N-Propylbenzene	91	12.268	12.268	0.000	99	3763997	10.0	10.0	
104 2-Chlorotoluene	126	12.341	12.341	0.000	96	772351	10.0	9.95	
105 1,3,5-Trimethylbenzene	105	12.402	12.402	0.000	94	2778516	10.0	10.1	
106 4-Chlorotoluene	126	12.438	12.438	0.000	98	800200	10.0	9.85	
107 tert-Butylbenzene	134	12.646	12.646	0.000	93	599057	10.0	10.1	
108 Pentachloroethane	167	12.682	12.682	0.000	90	474580	10.0	11.1	
109 1,2,4-Trimethylbenzene	105	12.688	12.688	0.000	97	2904330	10.0	10.2	
110 sec-Butylbenzene	105	12.816	12.816	0.000	94	3614098	10.0	10.3	
111 1,3-Dichlorobenzene	146	12.914	12.914	0.000	98	1535756	10.0	10.0	
112 4-Isopropyltoluene	119	12.920	12.920	0.000	97	3128497	10.0	10.2	
* 113 1,4-Dichlorobenzene-d4	152	12.969	12.969	0.000	95	910957	10.0	10.0	
114 1,4-Dichlorobenzene	146	12.987	12.987	0.000	94	1567051	10.0	9.96	
115 1,2,3-Trimethylbenzene	120	12.999	12.999	0.000	99	1289256	10.0	10.2	
116 Benzyl chloride	126	13.066	13.066	0.000	99	247999	10.0	11.5	
119 n-Butylbenzene	92	13.219	13.219	0.000	97	1605529	10.0	10.3	
120 1,2-Dichlorobenzene	146	13.249	13.249	0.000	97	1437655	10.0	9.97	
118 p-Diethylbenzene	119	13.274	13.274	0.000	86	1608512	10.0	10.3	
123 1,2-Dibromo-3-Chloropropane	155	13.798	13.798	0.000	92	89706	10.0	11.3	
124 1,3,5-Trichlorobenzene	180	13.926	13.926	0.000	97	1251301	10.0	9.96	
125 1,2,4-Trichlorobenzene	180	14.353	14.353	0.000	94	1141116	10.0	10.1	
126 Hexachlorobutadiene	225	14.432	14.432	0.000	98	556571	10.0	10.4	
127 Naphthalene	128	14.536	14.536	0.000	97	2104181	10.0	10.3	
128 1,2,3-Trichlorobenzene	180	14.676	14.676	0.000	95	1000463	10.0	9.97	
129 2-Methylnaphthalene	142	15.304	15.304	0.000	92	1494646	10.0	10.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_RV1_826_00041	Amount Added:	10.00	Units: uL	
MSV_RV4_826_00047	Amount Added:	10.00	Units: uL	
MSV_RV4GAS826_00118	Amount Added:	10.00	Units: uL	
MSV_HP25_ISSS_00023	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 23-Mar-2021 16:55:47 Chrom Revision: 2.3 19-Mar-2021 08:24:58

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X13.D

Injection Date: 11-Mar-2021 19:49:30 Instrument ID: 10193 Operator ID: SRK36897

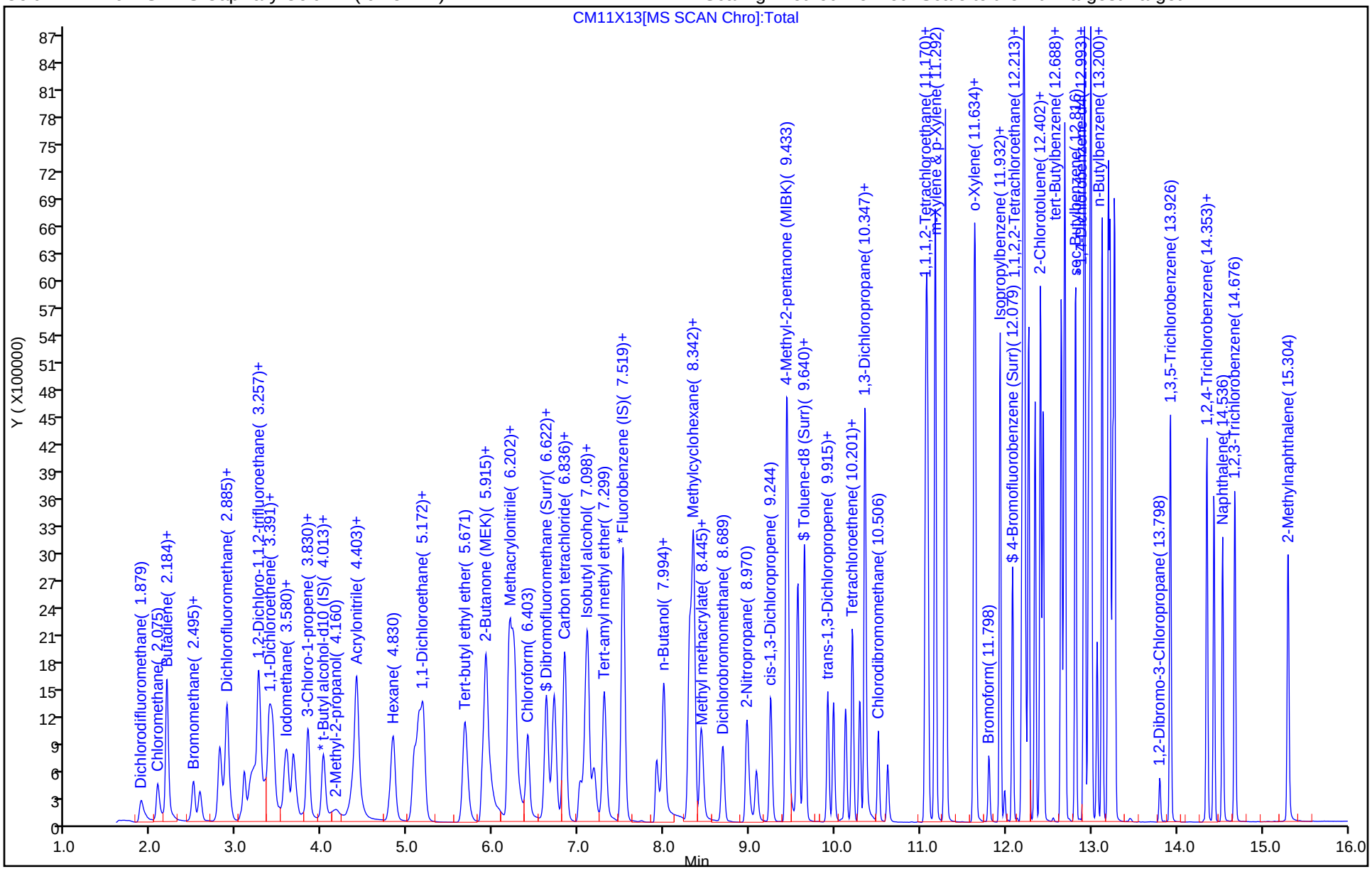
Lims ID: ICIS STD10 Lg Worklist Smp#: 13

Client ID:

Purge Vol: 25.000 mL Dil. Factor: 1.0000 ALS Bottle#: 13

Method: MSV_10193_25mL Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

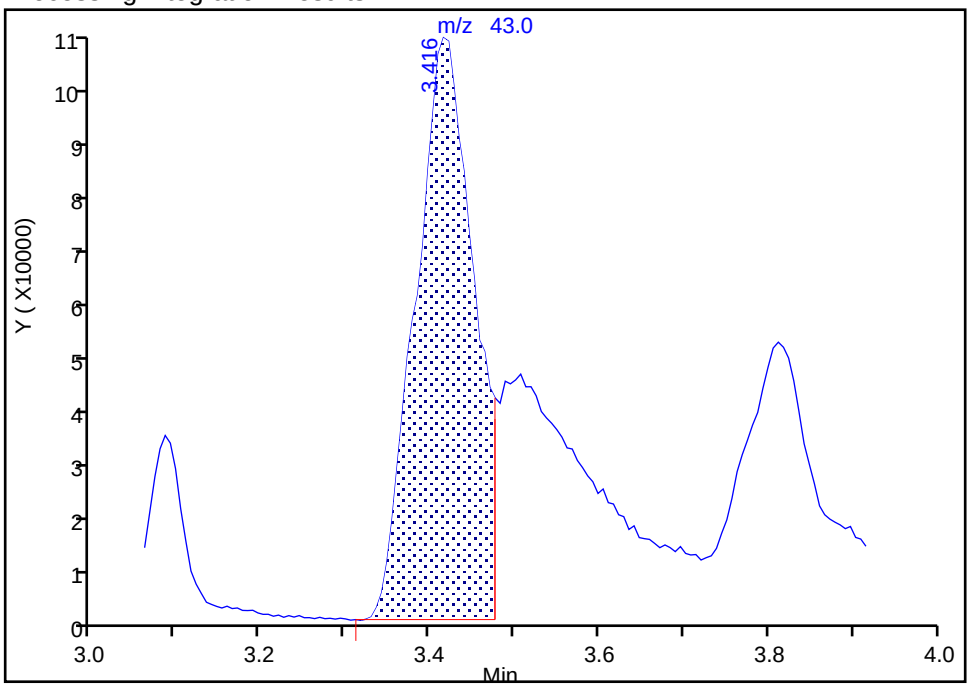
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X13.D
Injection Date: 11-Mar-2021 19:49:30 Instrument ID: 10193
Lims ID: ICIS STD10 Lg
Client ID:
Operator ID: SRK36897 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

16 Acetone, CAS: 67-64-1

Signal: 1

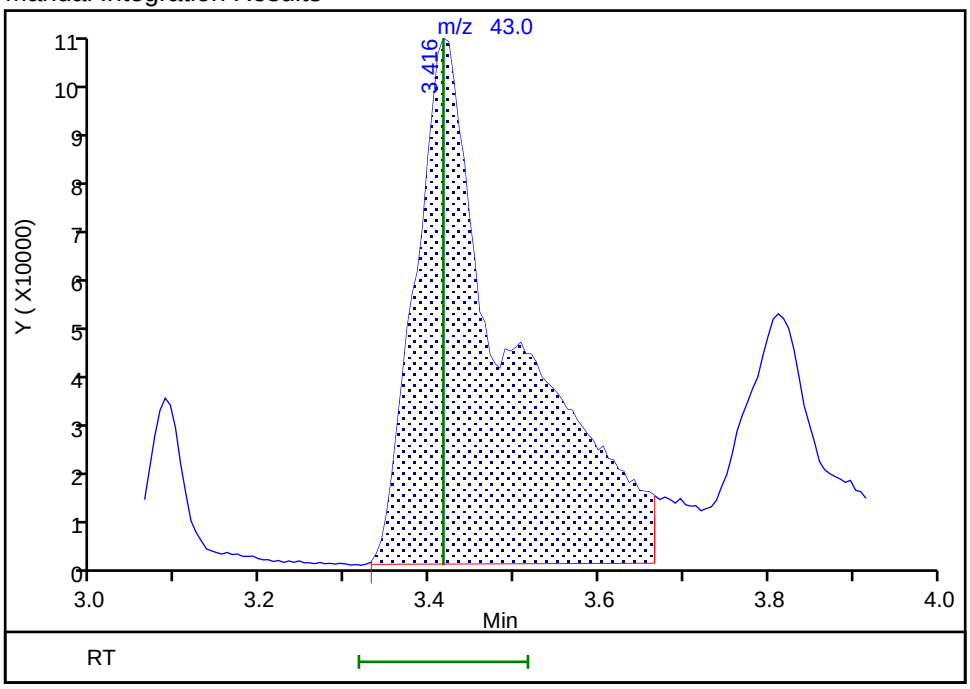
Processing Integration Results

RT: 3.42
Area: 506420
Amount: 59.167734
Amount Units: ug/l



Manual Integration Results

RT: 3.42
Area: 831213
Amount: 92.121100
Amount Units: ug/l



Reviewer: spositok, 23-Mar-2021 16:34:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

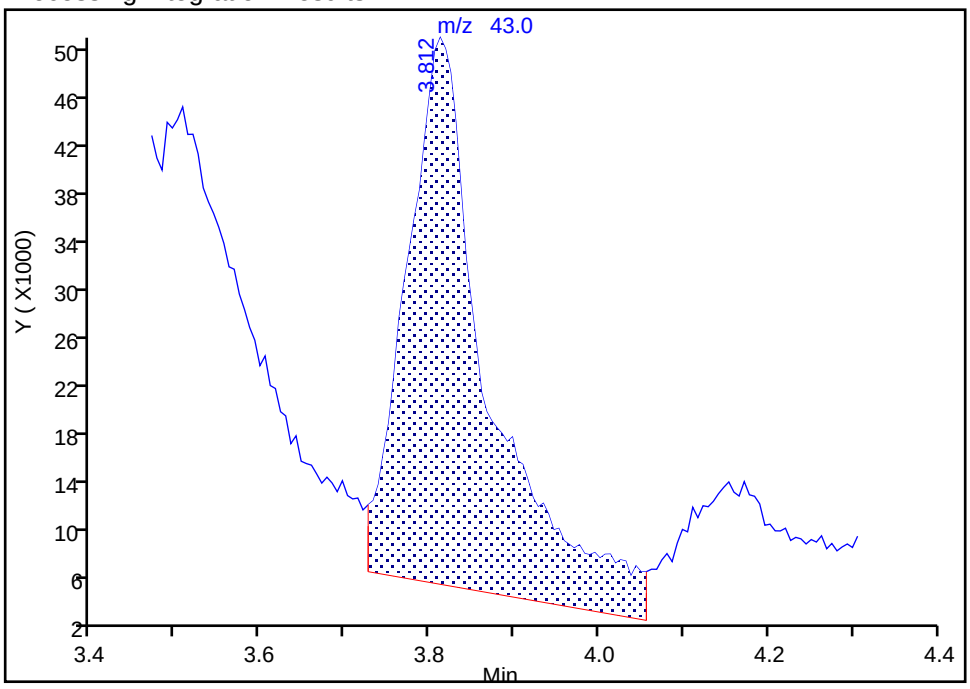
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X13.D				
Injection Date:	11-Mar-2021 19:49:30	Instrument ID:	10193		
Lims ID:	ICIS STD10 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

22 Methyl acetate, CAS: 79-20-9

Signal: 1

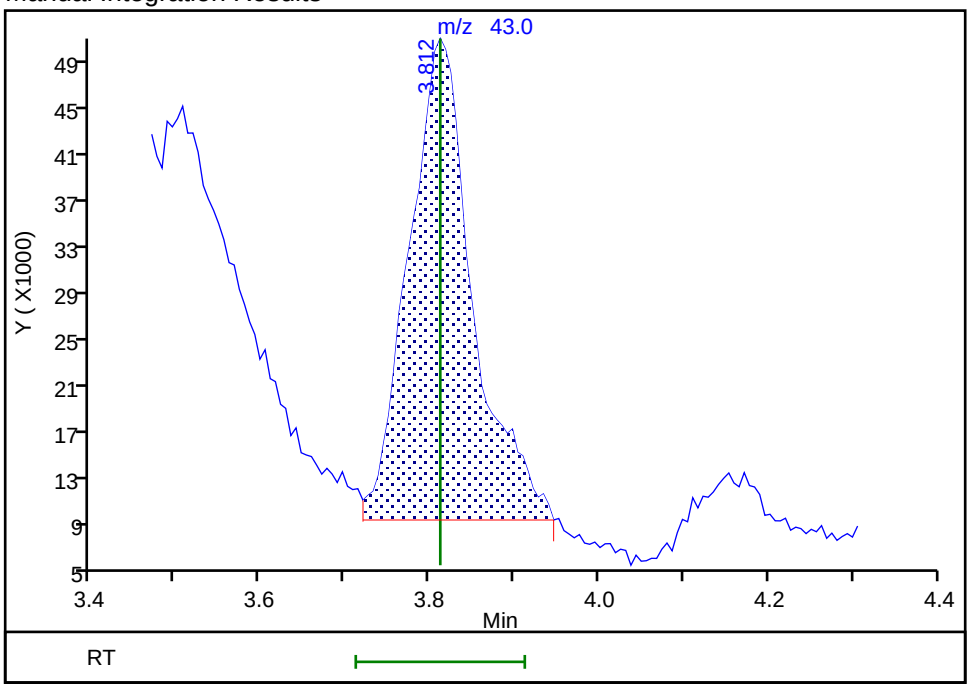
Processing Integration Results

RT: 3.81
Area: 309844
Amount: 10.928972
Amount Units: ug/l



Manual Integration Results

RT: 3.81
Area: 214332
Amount: 10.833250
Amount Units: ug/l



Reviewer: spositok, 23-Mar-2021 16:37:15

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X14.D
Lims ID: IC STD5 Lg
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 11-Mar-2021 20:11:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0023820-014
Misc. Info.: IC STD5 LG
Operator ID: SRK36897 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 23-Mar-2021 16:55:58 Calib Date: 11-Mar-2021 21:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1638

First Level Reviewer: knouses Date: 12-Mar-2021 09:14:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.879	1.879	0.000	99	294102	5.00	5.00	
3 Chloromethane	50	2.068	2.075	-0.007	99	357138	5.00	4.92	
4 Butadiene	39	2.178	2.178	0.000	93	390039	5.00	4.89	
5 Vinyl chloride	62	2.184	2.184	0.000	98	337747	5.00	5.09	
6 Bromomethane	94	2.489	2.495	-0.006	91	235118	5.00	4.93	
7 Chloroethane	64	2.562	2.568	-0.006	100	221465	5.00	5.09	
8 Dichlorofluoromethane	67	2.800	2.800	0.000	97	508015	5.00	5.07	
9 Trichlorofluoromethane	101	2.861	2.861	0.000	98	452638	5.00	5.00	
11 Ethyl ether	59	3.086	3.087	-0.001	93	248665	5.00	5.06	
12 1,2-Dichloro-1,1,2-trifluoroetha	67	3.172	3.178	-0.006	94	353727	5.00	4.99	
13 Acrolein	56	3.251	3.257	-0.006	99	1720138	250.0	256.3	
14 1,1-Dichloroethene	96	3.379	3.379	0.000	96	251228	5.00	4.92	
15 112TCTFE	101	3.416	3.416	0.000	92	286674	5.00	5.16	
16 Acetone	43	3.416	3.416	0.000	60	404761	50.0	51.1	M
17 Iodomethane	142	3.562	3.568	-0.006	99	494002	5.00	4.95	
18 Isopropyl alcohol	45	3.586	3.580	0.006	29	183530	100.0	97.6	M
19 Ethyl bromide	108	3.586	3.593	-0.007	99	220183	5.00	5.14	
20 Carbon disulfide	76	3.660	3.660	0.000	100	878787	5.00	5.04	
22 Methyl acetate	43	3.812	3.812	0.000	20	94849	5.00	5.46	M
23 3-Chloro-1-propene	41	3.830	3.830	0.000	90	482293	5.00	5.11	
24 Methylene Chloride	84	4.007	4.013	-0.006	94	282773	5.00	4.93	
* 25 t-Butyl alcohol-d10 (IS)	65	4.025	4.050	-0.025	0	171477	50.0	50.0	
26 2-Methyl-2-propanol	59	4.141	4.160	-0.019	99	271870	100.0	88.7	M
27 Acrylonitrile	53	4.348	4.355	-0.007	99	293755	25.0	26.1	
28 Methyl tert-butyl ether	73	4.391	4.397	-0.006	96	831909	5.00	4.94	
29 trans-1,2-Dichloroethene	96	4.403	4.403	0.000	97	284572	5.00	4.86	
30 Hexane	57	4.824	4.830	-0.006	93	473040	5.00	5.11	
32 1,1-Dichloroethane	63	5.068	5.074	-0.006	96	552735	5.00	4.98	
33 Isopropyl ether	45	5.129	5.129	0.000	93	1036220	5.00	4.96	
34 2-Chloro-1,3-butadiene	53	5.178	5.184	-0.006	92	507130	5.00	5.04	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Tert-butyl ethyl ether	59	5.665	5.671	-0.006	98	1009285	5.00	4.97	
36 2-Butanone (MEK)	43	5.879	5.879	0.000	100	813308	50.0	50.5	
37 cis-1,2-Dichloroethene	96	5.915	5.915	0.000	84	320444	5.00	4.86	
38 2,2-Dichloropropane	77	5.921	5.927	-0.006	90	447147	5.00	4.96	
40 Propionitrile	54	5.982	5.982	0.000	99	451607	100.0	106.4	
S 42 1,2-Dichloroethene, Total	100				0			9.72	
43 Methacrylonitrile	67	6.190	6.196	-0.006	93	802091	50.0	50.5	
44 Chlorobromomethane	128	6.244	6.244	0.000	85	147269	5.00	5.03	
45 Tetrahydrofuran	71	6.244	6.251	-0.007	79	236023	50.0	50.9	
46 Chloroform	83	6.403	6.409	-0.006	94	518824	5.00	4.89	
$ 47 Dibromofluoromethane (Surr)	113	6.622	6.622	0.000	93	523395	10.0	9.93	
48 1,1,1-Trichloroethane	97	6.622	6.622	0.000	98	464120	5.00	4.97	
49 Cyclohexane	56	6.714	6.714	0.000	92	564209	5.00	5.06	
50 Carbon tetrachloride	117	6.830	6.830	0.000	96	396536	5.00	5.09	
51 1,1-Dichloropropene	75	6.836	6.842	-0.006	96	431370	5.00	4.97	
52 Isobutyl alcohol	41	7.019	7.019	0.000	94	276854	250.0	243.2	M
$ 53 1,2-Dichloroethane-d4 (Surr)	102	7.073	7.080	-0.007	0	107522	10.0	9.91	
54 Benzene	78	7.098	7.104	-0.006	97	1248937	5.00	4.97	
55 1,2-Dichloroethane	62	7.177	7.183	-0.006	97	366485	5.00	4.89	M
56 Tert-amyl methyl ether	73	7.299	7.299	0.000	98	912145	5.00	5.04	
* 57 Fluorobenzene (IS)	96	7.512	7.519	-0.007	99	2225895	10.0	10.0	
58 n-Heptane	43	7.525	7.525	0.000	95	502833	5.00	4.94	M
59 n-Butanol	56	7.921	7.915	0.006	90	471831	500.0	488.7	
60 Trichloroethene	95	7.994	7.994	0.000	98	315510	5.00	4.95	
61 Methylcyclohexane	83	8.299	8.299	0.000	94	587148	5.00	5.15	
62 1,2-Dichloropropane	63	8.335	8.329	0.006	95	322727	5.00	4.97	
63 2-ethoxy-2-methyl butane	87	8.348	8.348	0.000	92	506402	5.00	5.02	
64 Methyl methacrylate	69	8.433	8.427	0.006	91	161291	5.00	5.02	
65 1,4-Dioxane	88	8.451	8.439	0.012	33	44758	250.0	216.3	M
66 Dibromomethane	93	8.445	8.445	0.000	96	152781	5.00	5.04	
67 Dichlorobromomethane	83	8.683	8.689	-0.006	99	376731	5.00	5.01	
68 2-Nitropropane	41	8.969	8.970	-0.001	99	538810	50.0	51.3	
71 1-Bromo-2-chloroethane	63	9.079	9.079	0.000	99	319358	5.00	5.17	
72 cis-1,3-Dichloropropene	75	9.250	9.244	0.006	94	489649	5.00	5.04	
73 4-Methyl-2-pentanone (MIBK)	43	9.439	9.433	0.006	97	2292161	50.0	51.8	
$ 74 Toluene-d8 (Surr)	98	9.561	9.567	-0.006	94	2192656	10.0	10.0	
75 Toluene	92	9.640	9.640	0.000	98	789331	5.00	4.93	
76 trans-1,3-Dichloropropene	75	9.914	9.915	0.000	95	416755	5.00	5.11	
78 Ethyl methacrylate	69	9.981	9.982	-0.001	90	355177	5.00	5.13	
S 77 1,3-Dichloropropene, Total	100				0			10.1	
79 1,1,2-Trichloroethane	97	10.122	10.122	0.000	91	217256	5.00	4.88	
80 Tetrachloroethene	166	10.207	10.201	0.006	96	341079	5.00	5.03	
81 1,3-Dichloropropane	76	10.286	10.292	-0.006	93	398453	5.00	5.01	
82 2-Hexanone	43	10.353	10.347	0.006	97	1659867	50.0	51.2	
83 Chlorodibromomethane	129	10.506	10.506	0.000	90	261477	5.00	5.22	
84 Ethylene Dibromide	107	10.615	10.616	-0.001	98	218598	5.00	5.09	
* 85 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	87	1639832	10.0	10.0	
86 1-Chlorohexane	91	11.073	11.073	0.000	98	448580	5.00	4.86	
87 Chlorobenzene	112	11.085	11.085	0.000	95	886357	5.00	4.91	
89 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	95	304715	5.00	5.06	
90 Ethylbenzene	91	11.176	11.176	0.000	98	1549862	5.00	4.96	
S 88 Xylenes, Total	106				0			15.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
91 m-Xylene & p-Xylene	106	11.292	11.292	0.000	99	1212550	10.0	10.0	
92 o-Xylene	106	11.627	11.628	-0.001	96	602252	5.00	5.00	
93 Styrene	104	11.646	11.640	0.006	95	1009923	5.00	5.02	
94 Bromoform	173	11.804	11.798	0.006	96	148820	5.00	5.23	
95 Isopropylbenzene	105	11.932	11.932	0.000	96	1579935	5.00	5.05	
$ 98 4-Bromofluorobenzene (Surr)	95	12.079	12.079	0.000	88	842387	10.0	10.0	
99 1,1,2,2-Tetrachloroethane	83	12.188	12.188	0.000	93	286030	5.00	5.06	
100 Bromobenzene	156	12.194	12.195	-0.001	96	376924	5.00	4.95	
101 trans-1,4-Dichloro-2-butene	53	12.213	12.213	0.000	96	854847	50.0	51.7	
102 1,2,3-Trichloropropane	110	12.231	12.231	0.000	81	76620	5.00	5.01	
103 N-Propylbenzene	91	12.268	12.268	0.000	99	1867683	5.00	5.07	
104 2-Chlorotoluene	126	12.341	12.341	0.000	96	377056	5.00	4.94	
105 1,3,5-Trimethylbenzene	105	12.408	12.402	0.006	94	1361103	5.00	5.04	
106 4-Chlorotoluene	126	12.438	12.438	0.000	98	395625	5.00	4.96	
107 tert-Butylbenzene	134	12.646	12.646	0.000	94	292682	5.00	5.02	
108 Pentachloroethane	167	12.682	12.682	0.000	91	226171	5.00	5.38	
109 1,2,4-Trimethylbenzene	105	12.688	12.688	0.000	97	1418798	5.00	5.08	
110 sec-Butylbenzene	105	12.816	12.816	0.000	94	1759985	5.00	5.09	
111 1,3-Dichlorobenzene	146	12.914	12.914	0.000	98	749097	5.00	4.98	
112 4-Isopropyltoluene	119	12.926	12.920	0.006	97	1532453	5.00	5.10	
* 113 1,4-Dichlorobenzene-d4	152	12.969	12.969	0.000	96	894811	10.0	10.0	
114 1,4-Dichlorobenzene	146	12.987	12.987	0.000	94	760244	5.00	4.92	
115 1,2,3-Trimethylbenzene	120	12.999	12.999	0.000	99	632118	5.00	5.09	
116 Benzyl chloride	126	13.066	13.066	0.000	99	116529	5.00	5.52	
119 n-Butylbenzene	92	13.219	13.219	0.000	97	782387	5.00	5.10	
120 1,2-Dichlorobenzene	146	13.249	13.249	0.000	97	701278	5.00	4.95	
118 p-Diethylbenzene	119	13.274	13.274	0.000	87	788150	5.00	5.13	
123 1,2-Dibromo-3-Chloropropane	155	13.804	13.798	0.006	83	40377	5.00	5.16	
124 1,3,5-Trichlorobenzene	180	13.926	13.926	0.000	97	615322	5.00	4.99	
125 1,2,4-Trichlorobenzene	180	14.353	14.353	0.000	94	555942	5.00	5.01	
126 Hexachlorobutadiene	225	14.438	14.432	0.006	98	266521	5.00	5.06	
127 Naphthalene	128	14.535	14.536	-0.001	97	1013305	5.00	5.07	
128 1,2,3-Trichlorobenzene	180	14.682	14.676	0.006	95	488994	5.00	4.96	
129 2-Methylnaphthalene	142	15.304	15.304	0.000	92	718911	5.00	5.20	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_RV1_826_00041	Amount Added:	5.00	Units: uL	
MSV_RV4_826_00047	Amount Added:	5.00	Units: uL	
MSV_RV4GAS826_00118	Amount Added:	5.00	Units: uL	
MSV_HP25_ISSS_00023	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 23-Mar-2021 16:56:00 Chrom Revision: 2.3 19-Mar-2021 08:24:58

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X14.D

Injection Date: 11-Mar-2021 20:11:30 Instrument ID: 10193 Operator ID: SRK36897

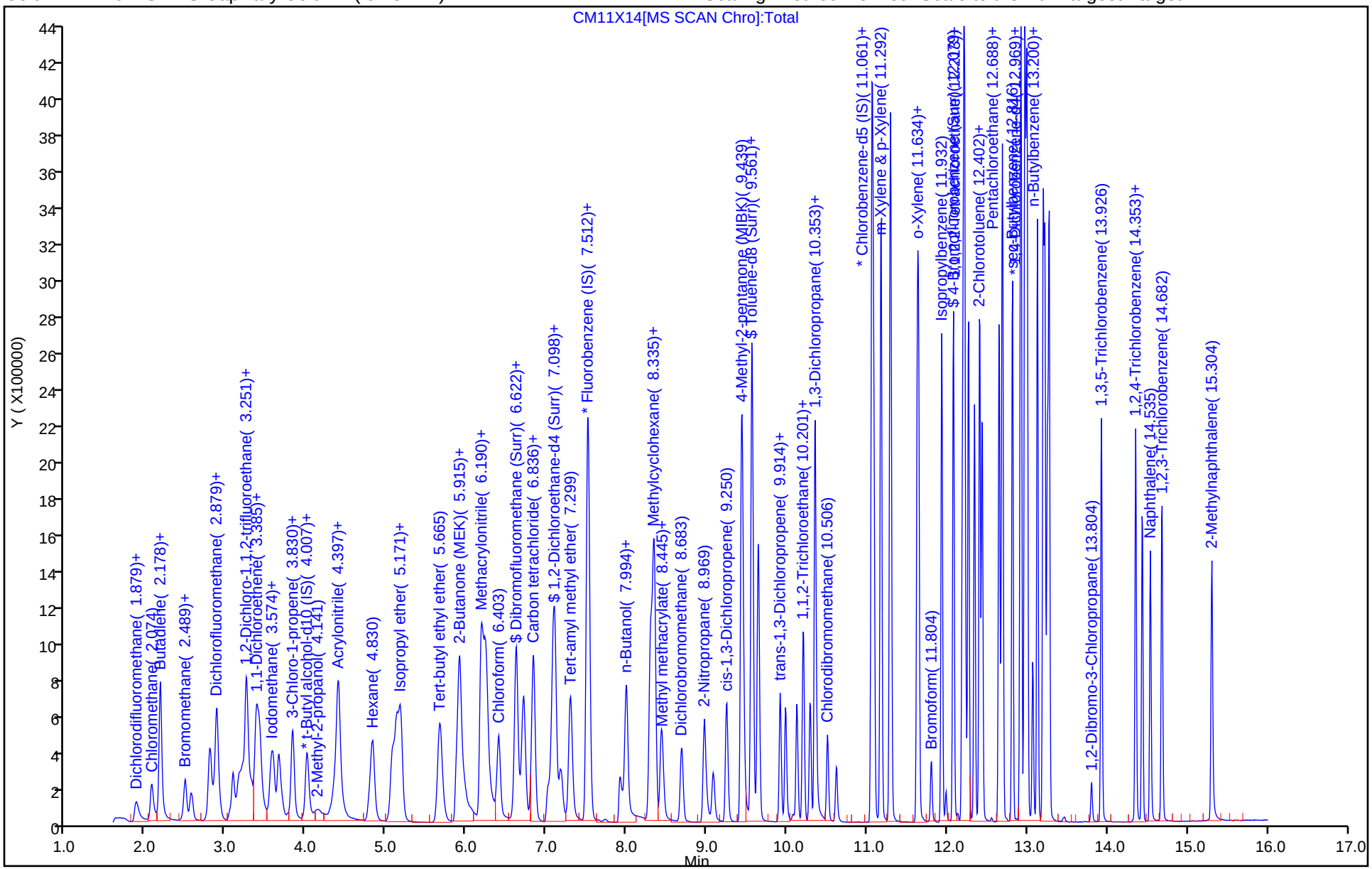
Lims ID: IC STD5 Lg Worklist Smp#: 14

Client ID:

Purge Vol: 25.000 mL Dil. Factor: 1.0000 ALS Bottle#: 14

Method: MSV_10193_25mL Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

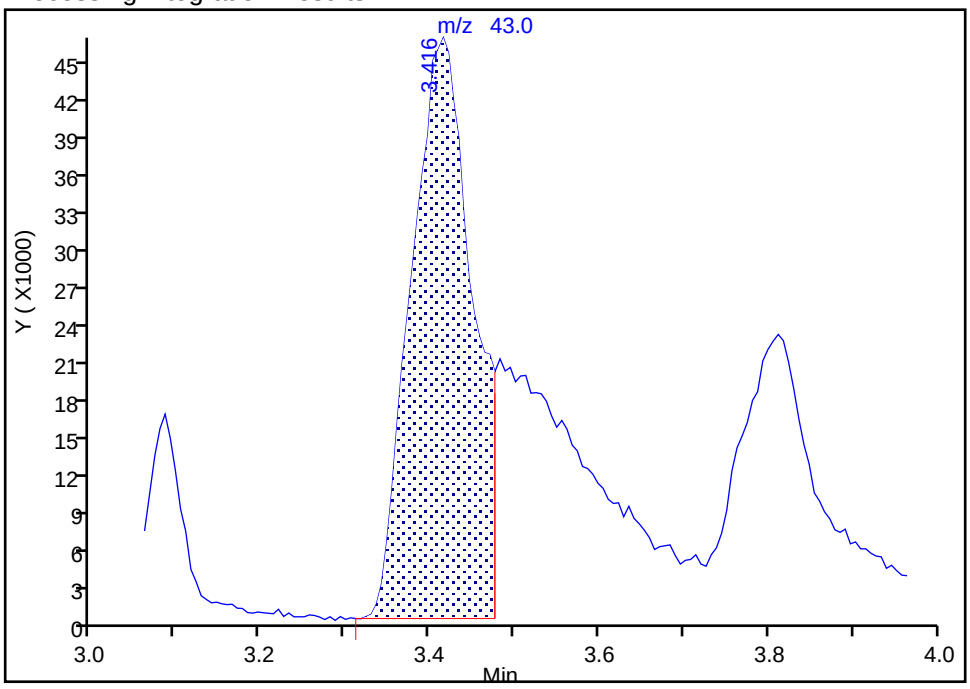
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X14.D				
Injection Date:	11-Mar-2021 20:11:30	Instrument ID:	10193		
Lims ID:	IC STD5 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

16 Acetone, CAS: 67-64-1

Signal: 1

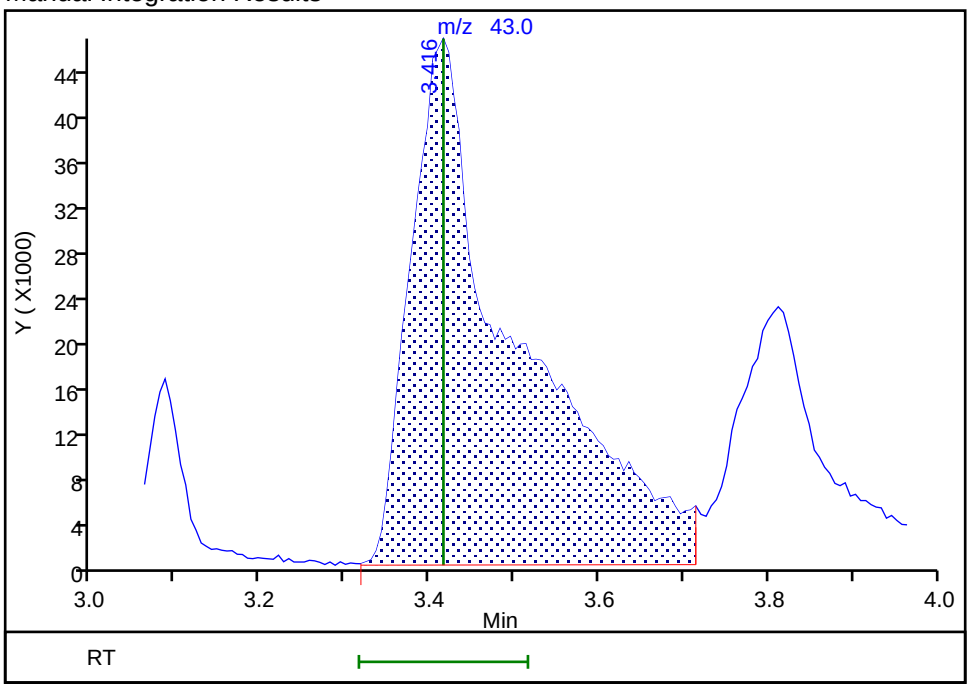
Processing Integration Results

RT: 3.42
Area: 235215
Amount: 34.071842
Amount Units: ug/l



Manual Integration Results

RT: 3.42
Area: 404761
Amount: 51.100636
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 09:09:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

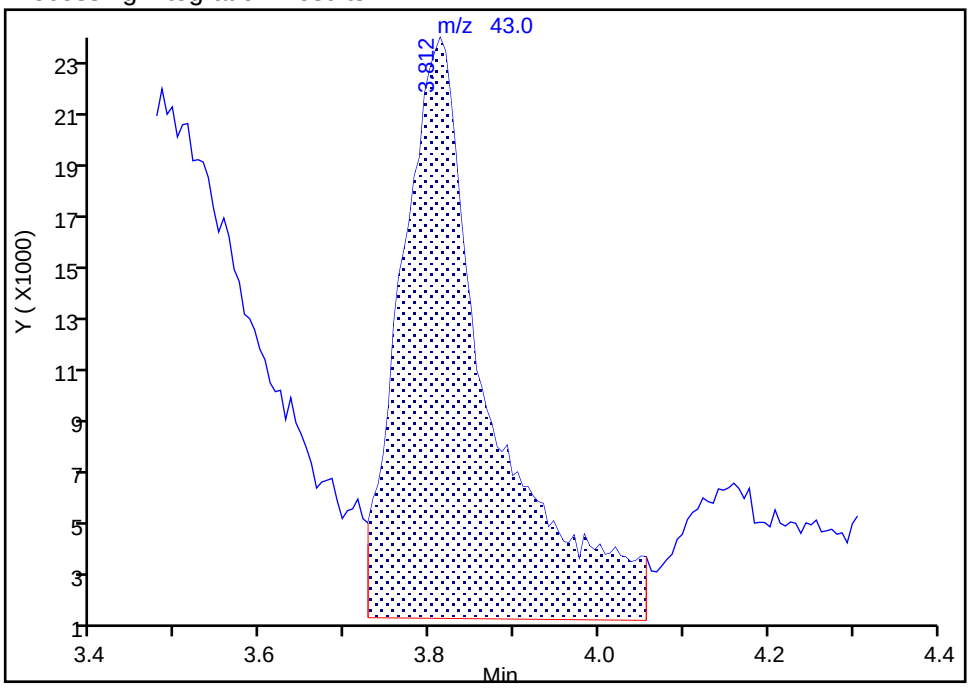
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X14.D				
Injection Date:	11-Mar-2021 20:11:30	Instrument ID:	10193		
Lims ID:	IC STD5 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

22 Methyl acetate, CAS: 79-20-9

Signal: 1

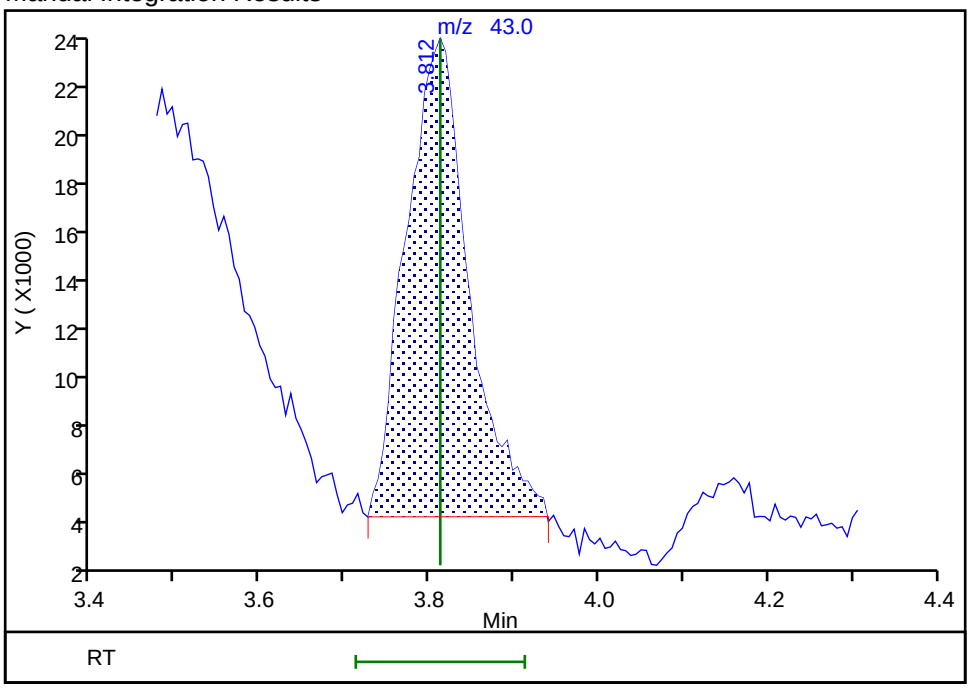
Processing Integration Results

RT: 3.81
Area: 161863
Amount: 5.407211
Amount Units: ug/l



Manual Integration Results

RT: 3.81
Area: 94849
Amount: 5.461166
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 09:10:16
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

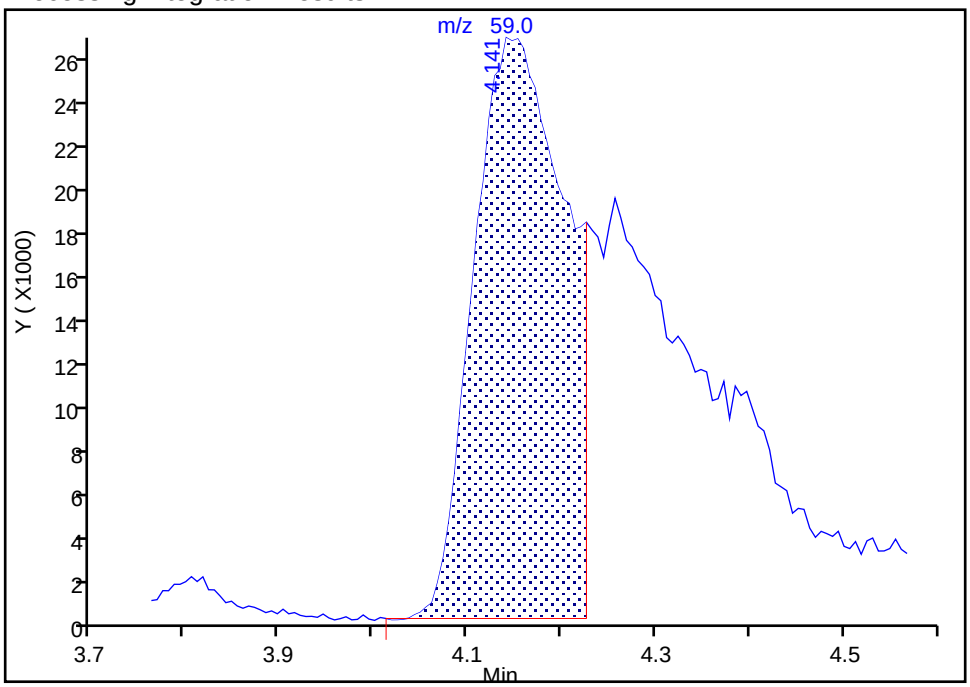
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X14.D
Injection Date: 11-Mar-2021 20:11:30 Instrument ID: 10193
Lims ID: IC STD5 Lg
Client ID:
Operator ID: SRK36897 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

26 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

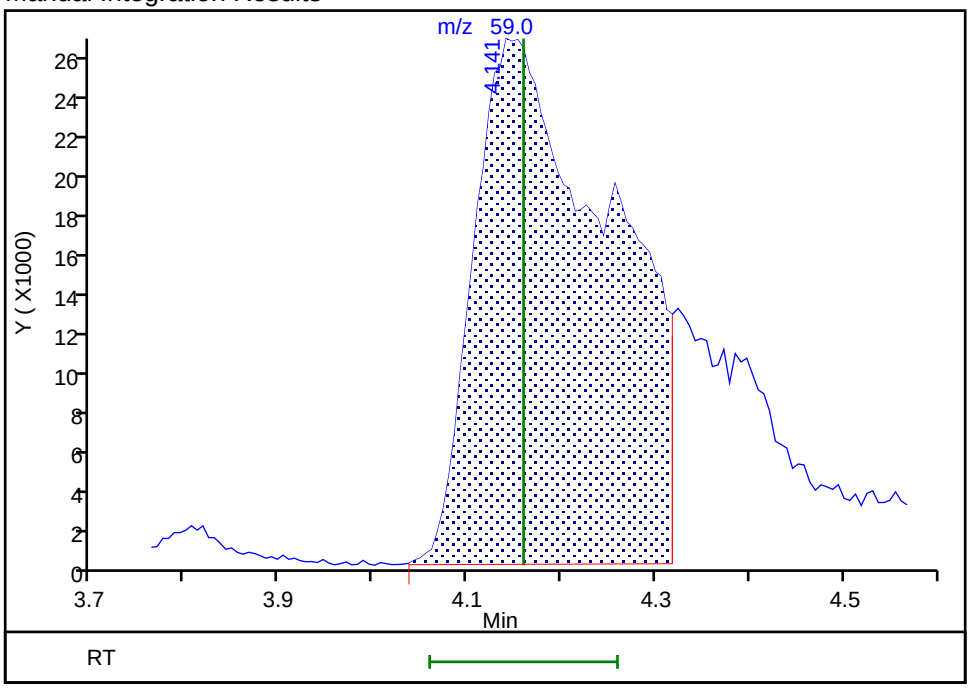
Processing Integration Results

RT: 4.14
Area: 181784
Amount: 77.819315
Amount Units: ug/l



Manual Integration Results

RT: 4.14
Area: 271870
Amount: 88.673993
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 09:10:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

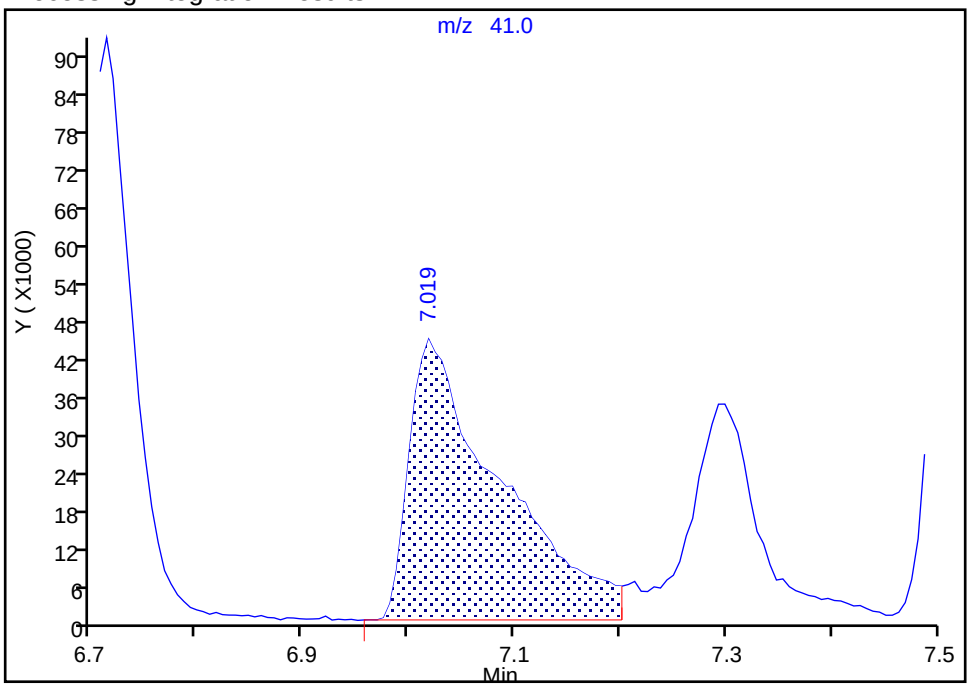
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X14.D				
Injection Date:	11-Mar-2021 20:11:30	Instrument ID:	10193		
Lims ID:	IC STD5 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

52 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

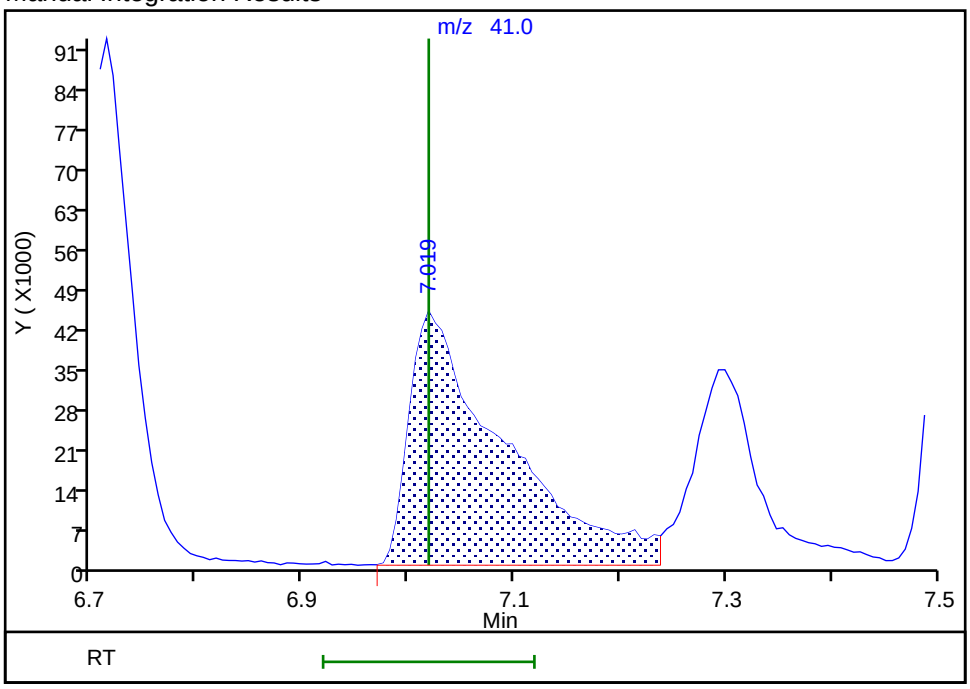
Processing Integration Results

RT: 7.02
Area: 264541
Amount: 228.6949
Amount Units: ug/l



Manual Integration Results

RT: 7.02
Area: 276854
Amount: 243.1722
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 09:11:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

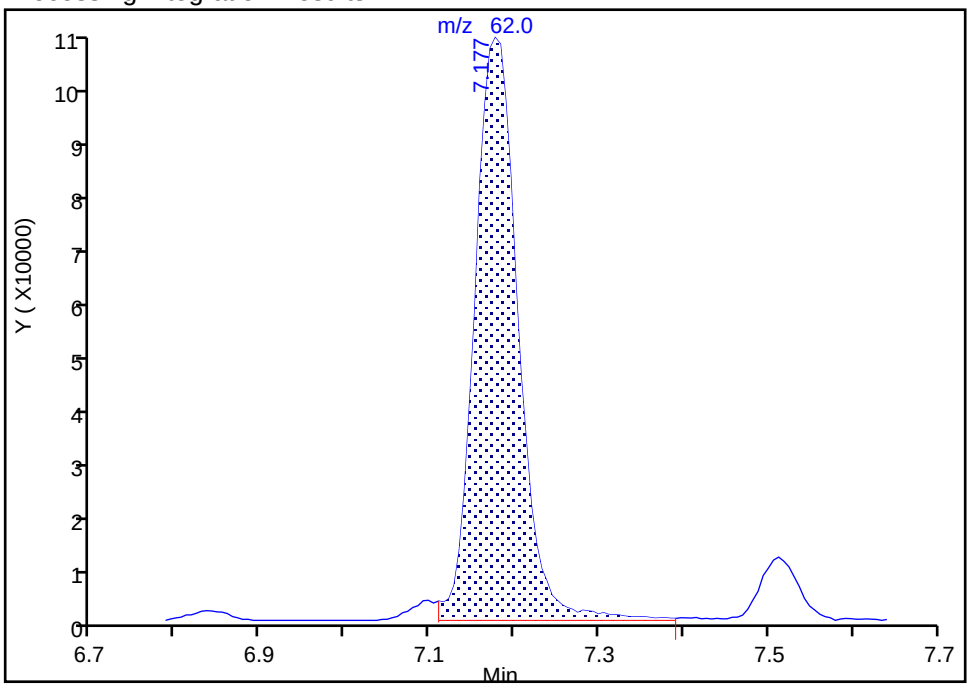
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X14.D				
Injection Date:	11-Mar-2021 20:11:30	Instrument ID:	10193		
Lims ID:	IC STD5 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

55 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

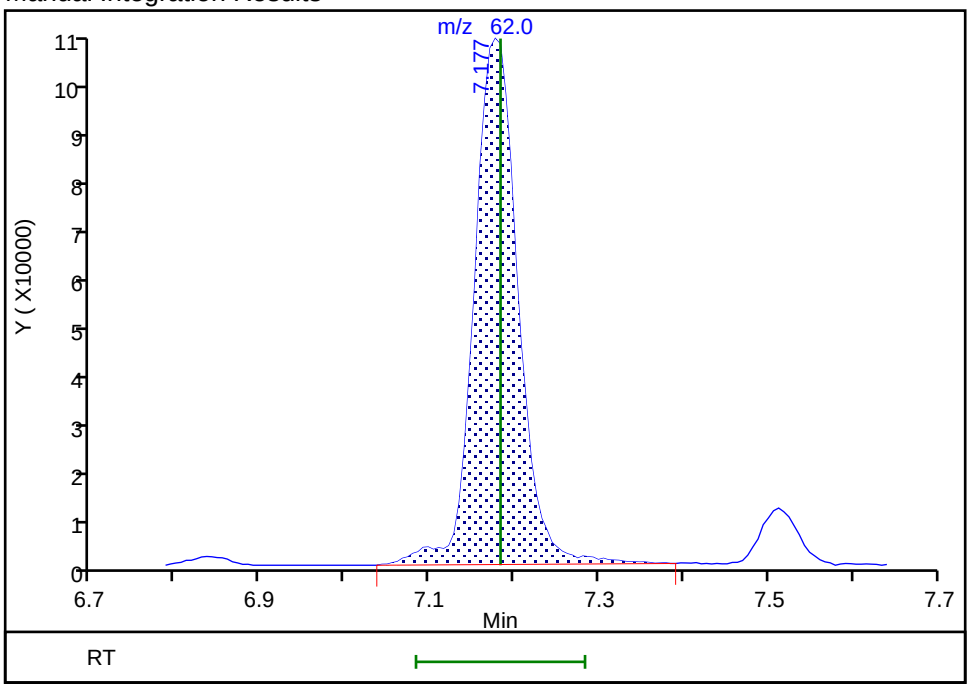
Processing Integration Results

RT: 7.18
Area: 363157
Amount: 4.865798
Amount Units: ug/l



Manual Integration Results

RT: 7.18
Area: 366485
Amount: 4.891659
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 09:11:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

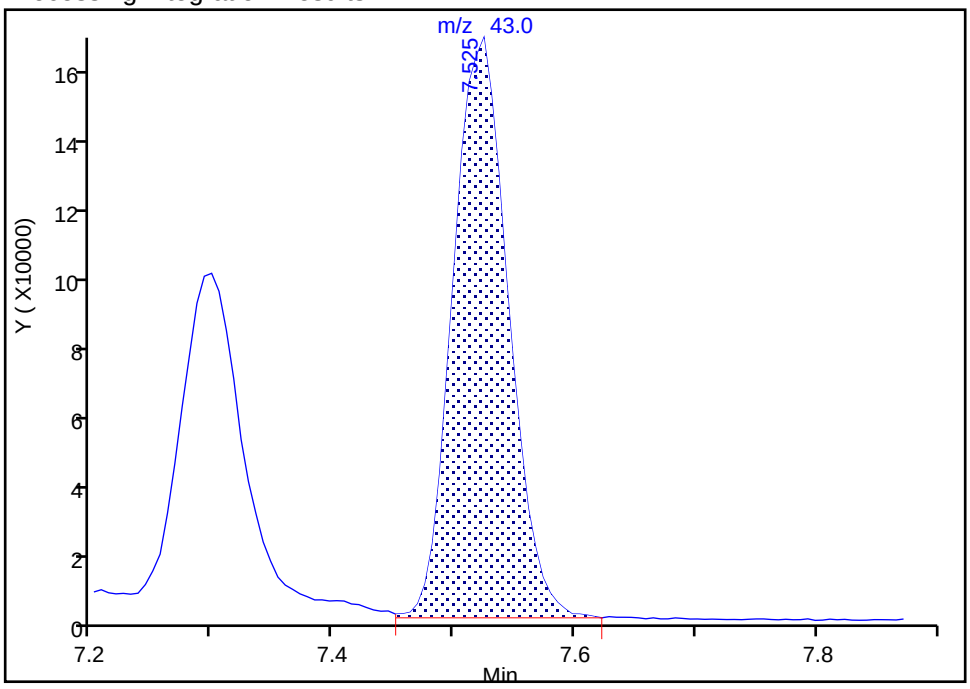
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X14.D				
Injection Date:	11-Mar-2021 20:11:30	Instrument ID:	10193		
Lims ID:	IC STD5 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

58 n-Heptane, CAS: 142-82-5

Signal: 1

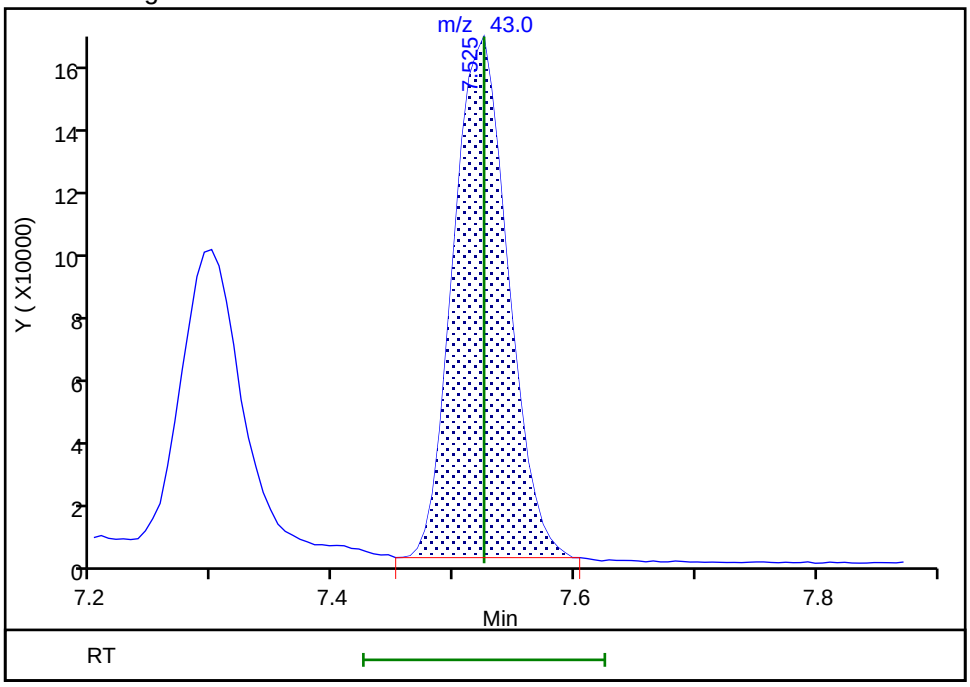
Processing Integration Results

RT: 7.52
Area: 512899
Amount: 5.121732
Amount Units: ug/l



Manual Integration Results

RT: 7.52
Area: 502833
Amount: 4.938499
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 09:12:33
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

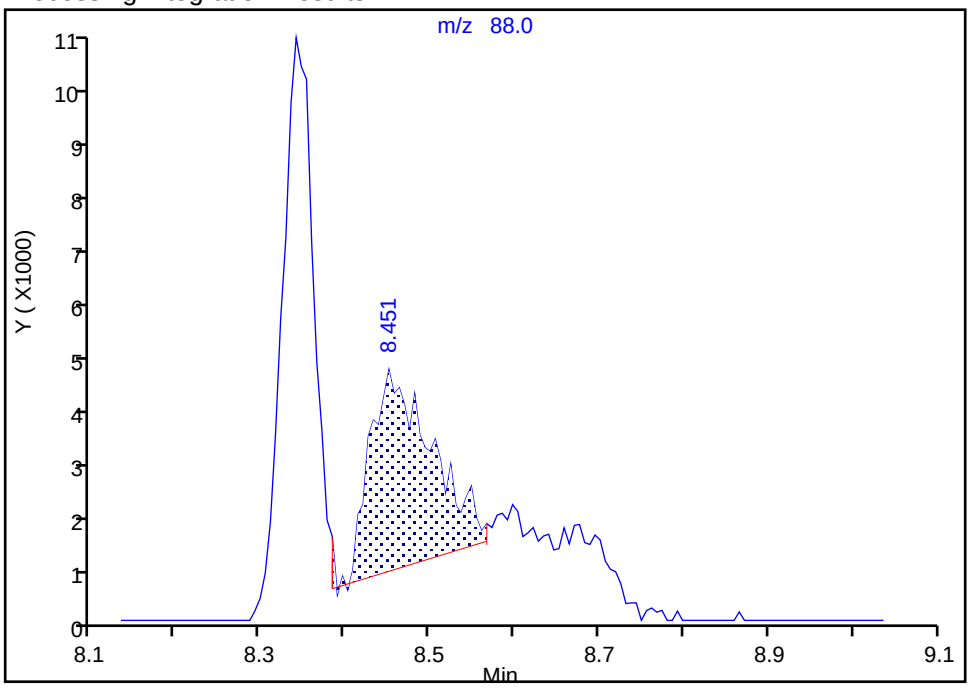
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X14.D				
Injection Date:	11-Mar-2021 20:11:30	Instrument ID:	10193		
Lims ID:	IC STD5 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

65 1,4-Dioxane, CAS: 123-91-1

Signal: 1

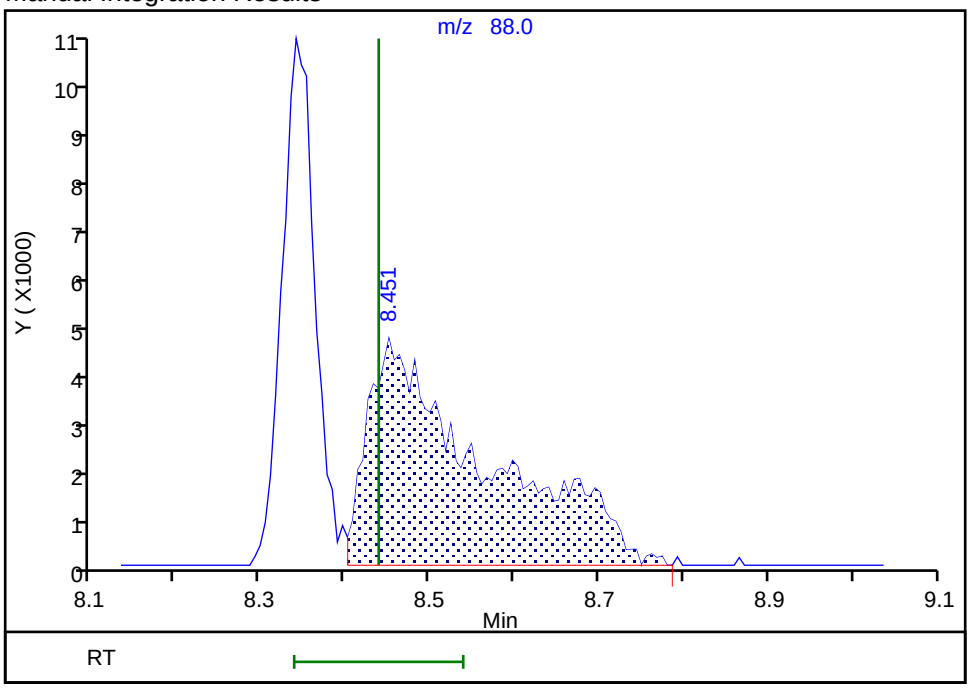
Processing Integration Results

RT: 8.45
Area: 18915
Amount: 136.3588
Amount Units: ug/l



Manual Integration Results

RT: 8.45
Area: 44758
Amount: 216.3151
Amount Units: ug/l



Reviewer: knouses, 23-Mar-2021 12:01:14
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X15.D
Lims ID: IC STD2 Lg
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 11-Mar-2021 20:33:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0023820-015
Misc. Info.: IC STD2 LG
Operator ID: SRK36897 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 23-Mar-2021 16:56:12 Calib Date: 11-Mar-2021 21:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1638

First Level Reviewer: knouses Date: 12-Mar-2021 09:20:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.879	1.879	0.000	99	111163	2.00	1.91	
3 Chloromethane	50	2.074	2.074	0.000	99	132701	2.00	1.85	M
4 Butadiene	39	2.178	2.178	0.000	93	159570	2.00	2.02	
5 Vinyl chloride	62	2.184	2.184	0.000	67	128627	2.00	1.96	
6 Bromomethane	94	2.489	2.489	0.000	92	87944	2.00	1.86	
7 Chloroethane	64	2.562	2.562	0.000	99	81222	2.00	1.89	
8 Dichlorofluoromethane	67	2.800	2.800	0.000	97	185905	2.00	1.88	
9 Trichlorofluoromethane	101	2.861	2.861	0.000	97	169901	2.00	1.90	M
11 Ethyl ether	59	3.086	3.086	0.000	91	91906	2.00	1.89	
12 1,2-Dichloro-1,1,2-trifluoroetha	67	3.172	3.172	0.000	95	142547	2.00	2.03	
13 Acrolein	56	3.257	3.257	0.000	99	710384	100.0	104.9	
14 1,1-Dichloroethene	96	3.379	3.379	0.000	96	100690	2.00	1.99	
15 112TCTFE	101	3.410	3.410	0.000	93	113688	2.00	2.07	
16 Acetone	43	3.416	3.416	0.000	60	165522	20.0	20.7	M
17 Iodomethane	142	3.562	3.562	0.000	99	198061	2.00	2.01	
18 Isopropyl alcohol	45	3.586	3.586	0.000	38	62557	40.0	33.0	
19 Ethyl bromide	108	3.592	3.592	0.000	97	80324	2.00	1.90	
20 Carbon disulfide	76	3.659	3.659	0.000	100	342025	2.00	1.98	
22 Methyl acetate	43	3.824	3.824	0.000	96	29570	2.00	1.69	M
23 3-Chloro-1-propene	41	3.830	3.830	0.000	90	171541	2.00	1.84	
24 Methylene Chloride	84	4.007	4.007	0.000	94	113062	2.00	1.99	
* 25 t-Butyl alcohol-d10 (IS)	65	4.050	4.050	0.000	0	173036	50.0	50.0	
26 2-Methyl-2-propanol	59	4.165	4.165	0.000	99	113296	40.0	36.6	
27 Acrylonitrile	53	4.354	4.354	0.000	99	110460	10.0	9.73	
28 Methyl tert-butyl ether	73	4.391	4.391	0.000	95	337303	2.00	2.02	
29 trans-1,2-Dichloroethene	96	4.403	4.403	0.000	97	116638	2.00	2.01	
30 Hexane	57	4.824	4.824	0.000	94	184368	2.00	2.01	
32 1,1-Dichloroethane	63	5.074	5.074	0.000	96	218292	2.00	1.99	
33 Isopropyl ether	45	5.129	5.129	0.000	94	418436	2.00	2.03	
34 2-Chloro-1,3-butadiene	53	5.184	5.184	0.000	92	197110	2.00	1.98	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Tert-butyl ethyl ether	59	5.665	5.665	0.000	98	404995	2.00	2.01	
36 2-Butanone (MEK)	43	5.885	5.885	0.000	100	334264	20.0	20.6	
37 cis-1,2-Dichloroethene	96	5.915	5.915	0.000	83	132404	2.00	2.03	
38 2,2-Dichloropropane	77	5.921	5.921	0.000	90	180432	2.00	2.02	
40 Propionitrile	54	5.988	5.988	0.000	99	183011	40.0	42.7	
S 42 1,2-Dichloroethene, Total	100				0			4.04	
43 Methacrylonitrile	67	6.189	6.189	0.000	92	318559	20.0	19.9	
44 Chlorobromomethane	128	6.244	6.244	0.000	93	55137	2.00	1.90	
45 Tetrahydrofuran	71	6.250	6.250	0.000	91	96621	20.0	20.7	
46 Chloroform	83	6.403	6.403	0.000	94	209889	2.00	2.00	
$ 47 Dibromofluoromethane (Surr)	113	6.622	6.622	0.000	93	522307	10.0	10.0	
48 1,1,1-Trichloroethane	97	6.622	6.622	0.000	89	184579	2.00	2.00	
49 Cyclohexane	56	6.714	6.714	0.000	93	223626	2.00	2.03	
50 Carbon tetrachloride	117	6.830	6.830	0.000	98	153315	2.00	1.99	
51 1,1-Dichloropropene	75	6.842	6.842	0.000	95	170486	2.00	1.99	
52 Isobutyl alcohol	41	7.031	7.031	0.000	94	104478	100.0	90.9	M
$ 53 1,2-Dichloroethane-d4 (Surr)	102	7.080	7.080	0.000	0	107636	10.0	10.0	
54 Benzene	78	7.104	7.104	0.000	95	493717	2.00	1.99	
55 1,2-Dichloroethane	62	7.171	7.171	0.000	97	145889	2.00	1.97	M
56 Tert-amyl methyl ether	73	7.299	7.299	0.000	98	360361	2.00	2.01	
* 57 Fluorobenzene (IS)	96	7.512	7.512	0.000	99	2201773	10.0	10.0	
58 n-Heptane	43	7.525	7.525	0.000	94	195123	2.00	1.94	
59 n-Butanol	56	7.927	7.927	0.000	90	174724	200.0	179.3	M
60 Trichloroethene	95	7.994	7.994	0.000	97	125981	2.00	2.00	
61 Methylcyclohexane	83	8.299	8.299	0.000	93	203974	2.00	1.81	
62 1,2-Dichloropropane	63	8.335	8.335	0.000	95	128598	2.00	2.00	
63 2-ethoxy-2-methyl butane	87	8.342	8.342	0.000	93	202202	2.00	2.03	
64 Methyl methacrylate	69	8.433	8.433	0.000	92	67109	2.00	2.07	
65 1,4-Dioxane	88	8.482	8.482	0.000	30	18216	100.0	87.2	M
66 Dibromomethane	93	8.439	8.439	0.000	98	60285	2.00	2.01	
67 Dichlorobromomethane	83	8.689	8.689	0.000	99	148536	2.00	2.00	
68 2-Nitropropane	41	8.969	8.969	0.000	99	216244	20.0	20.4	
71 1-Bromo-2-chloroethane	63	9.079	9.079	0.000	99	117451	2.00	1.92	
72 cis-1,3-Dichloropropene	75	9.250	9.250	0.000	94	195611	2.00	2.04	
73 4-Methyl-2-pentanone (MIBK)	43	9.433	9.433	0.000	97	925221	20.0	20.7	
$ 74 Toluene-d8 (Surr)	98	9.561	9.561	0.000	94	2177829	10.0	10.0	
75 Toluene	92	9.640	9.640	0.000	98	318476	2.00	2.01	
76 trans-1,3-Dichloropropene	75	9.914	9.914	0.000	95	158328	2.00	1.96	
78 Ethyl methacrylate	69	9.981	9.981	0.000	90	142527	2.00	2.08	
S 77 1,3-Dichloropropene, Total	100				0			3.99	
79 1,1,2-Trichloroethane	97	10.122	10.122	0.000	91	89420	2.00	2.03	
80 Tetrachloroethene	166	10.201	10.201	0.000	96	136374	2.00	2.03	
81 1,3-Dichloropropane	76	10.292	10.292	0.000	93	158670	2.00	2.01	
82 2-Hexanone	43	10.353	10.353	0.000	97	658249	20.0	20.1	
83 Chlorodibromomethane	129	10.506	10.506	0.000	90	99777	2.00	2.01	
84 Ethylene Dibromide	107	10.615	10.615	0.000	98	86725	2.00	2.04	
* 85 Chlorobenzene-d5 (IS)	117	11.060	11.060	0.000	87	1624493	10.0	10.0	
86 1-Chlorohexane	91	11.073	11.073	0.000	98	179673	2.00	1.97	
87 Chlorobenzene	112	11.085	11.085	0.000	95	351160	2.00	1.96	
89 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	93	120869	2.00	2.03	
90 Ethylbenzene	91	11.176	11.176	0.000	99	618284	2.00	2.00	
S 88 Xylenes, Total	106				0			6.05	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
91 m-Xylene & p-Xylene	106	11.292	11.292	0.000	99	482205	4.00	4.02	
92 o-Xylene	106	11.627	11.627	0.000	96	242196	2.00	2.03	
93 Styrene	104	11.646	11.646	0.000	95	399519	2.00	2.00	
94 Bromoform	173	11.804	11.804	0.000	95	56445	2.00	2.00	
95 Isopropylbenzene	105	11.932	11.932	0.000	96	622578	2.00	2.01	
$ 98 4-Bromofluorobenzene (Surr)	95	12.079	12.079	0.000	88	831177	10.0	9.99	
99 1,1,2,2-Tetrachloroethane	83	12.188	12.188	0.000	95	110832	2.00	1.97	
100 Bromobenzene	156	12.194	12.194	0.000	95	151266	2.00	1.99	
101 trans-1,4-Dichloro-2-butene	53	12.213	12.213	0.000	96	335202	20.0	20.3	
102 1,2,3-Trichloropropane	110	12.231	12.231	0.000	80	31166	2.00	2.05	
103 N-Propylbenzene	91	12.268	12.268	0.000	99	724330	2.00	1.97	
104 2-Chlorotoluene	126	12.341	12.341	0.000	96	151778	2.00	2.00	
105 1,3,5-Trimethylbenzene	105	12.408	12.408	0.000	94	534368	2.00	1.99	
106 4-Chlorotoluene	126	12.438	12.438	0.000	98	157773	2.00	1.98	
107 tert-Butylbenzene	134	12.646	12.646	0.000	94	115071	2.00	1.98	
108 Pentachloroethane	167	12.682	12.682	0.000	90	77921	2.00	1.86	
109 1,2,4-Trimethylbenzene	105	12.694	12.694	0.000	98	559260	2.00	2.01	
110 sec-Butylbenzene	105	12.816	12.816	0.000	94	689917	2.00	2.00	
111 1,3-Dichlorobenzene	146	12.914	12.914	0.000	97	301375	2.00	2.01	
112 4-Isopropyltoluene	119	12.926	12.926	0.000	97	601720	2.00	2.01	
* 113 1,4-Dichlorobenzene-d4	152	12.969	12.969	0.000	96	891523	10.0	10.0	
114 1,4-Dichlorobenzene	146	12.987	12.987	0.000	96	305402	2.00	1.98	
115 1,2,3-Trimethylbenzene	120	12.999	12.999	0.000	99	229432	2.00	1.86	
116 Benzyl chloride	126	13.072	13.072	0.000	99	42651	2.00	2.03	
119 n-Butylbenzene	92	13.219	13.219	0.000	98	301250	2.00	1.97	
120 1,2-Dichlorobenzene	146	13.249	13.249	0.000	97	280041	2.00	1.98	
118 p-Diethylbenzene	119	13.273	13.273	0.000	86	283452	2.00	1.85	
123 1,2-Dibromo-3-Chloropropane	155	13.804	13.804	0.000	95	16170	2.00	2.08	
124 1,3,5-Trichlorobenzene	180	13.926	13.926	0.000	97	243600	2.00	1.98	
125 1,2,4-Trichlorobenzene	180	14.353	14.353	0.000	94	222413	2.00	2.01	
126 Hexachlorobutadiene	225	14.438	14.438	0.000	98	102890	2.00	1.96	
127 Naphthalene	128	14.535	14.535	0.000	97	410615	2.00	2.06	
128 1,2,3-Trichlorobenzene	180	14.682	14.682	0.000	95	196165	2.00	2.00	
129 2-Methylnaphthalene	142	15.304	15.304	0.000	92	272634	2.00	1.98	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_RV1_826_00041	Amount Added:	2.00	Units: uL	
MSV_RV4_826_00047	Amount Added:	2.00	Units: uL	
MSV_RV4GAS826_00118	Amount Added:	2.00	Units: uL	
MSV_HP25_ISSS_00023	Amount Added:	1.00	Units: uL	Run Reagent

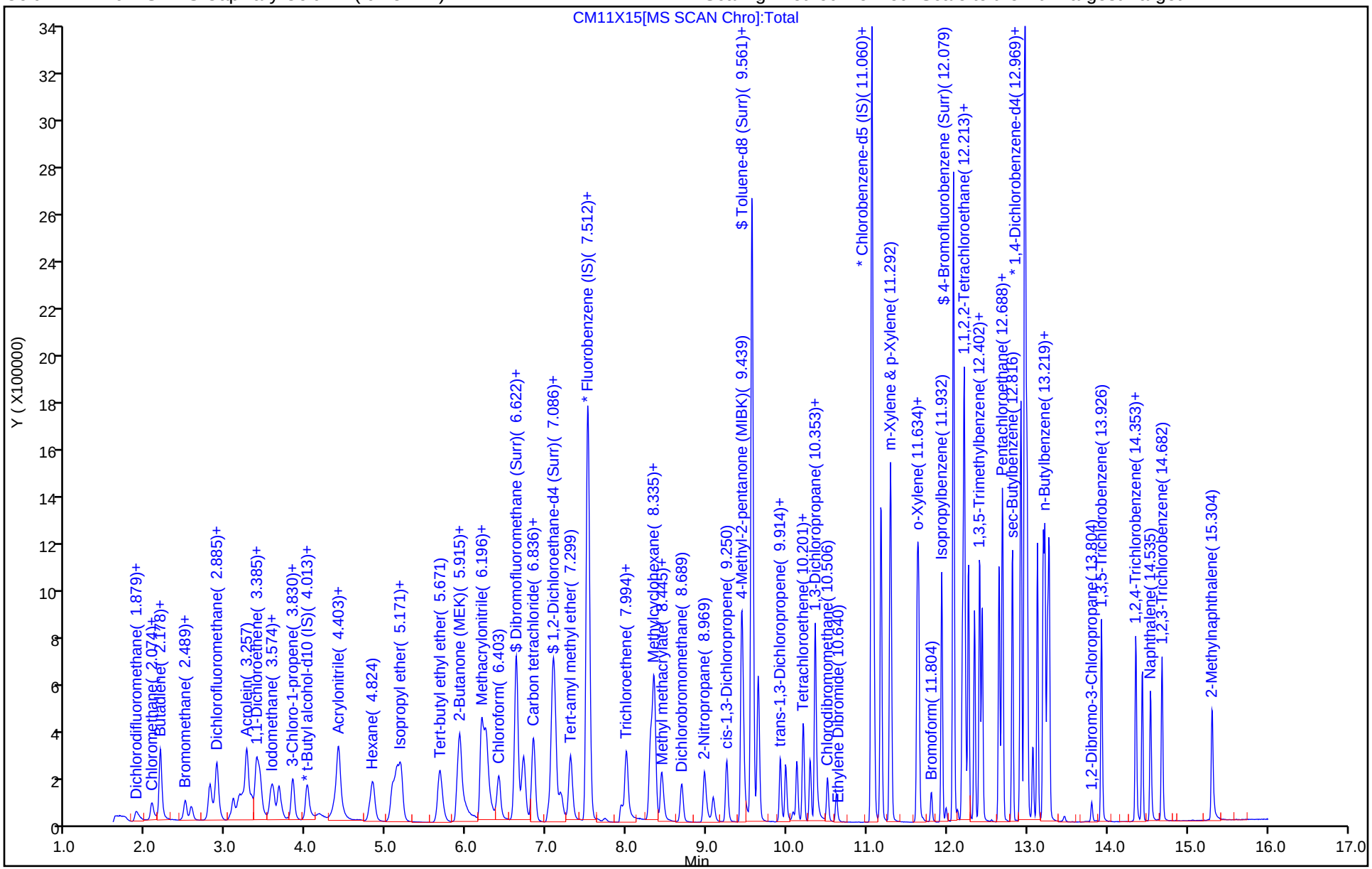
Report Date: 23-Mar-2021 16:56:13 Chrom Revision: 2.3 19-Mar-2021 08:24:58

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X15.D

Injection Date:	11-Mar-2021 20:33:30	Instrument ID:	10193	Operator ID:	SRK36897
Lims ID:	IC STD2 Lg			Worklist Smp#:	15
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

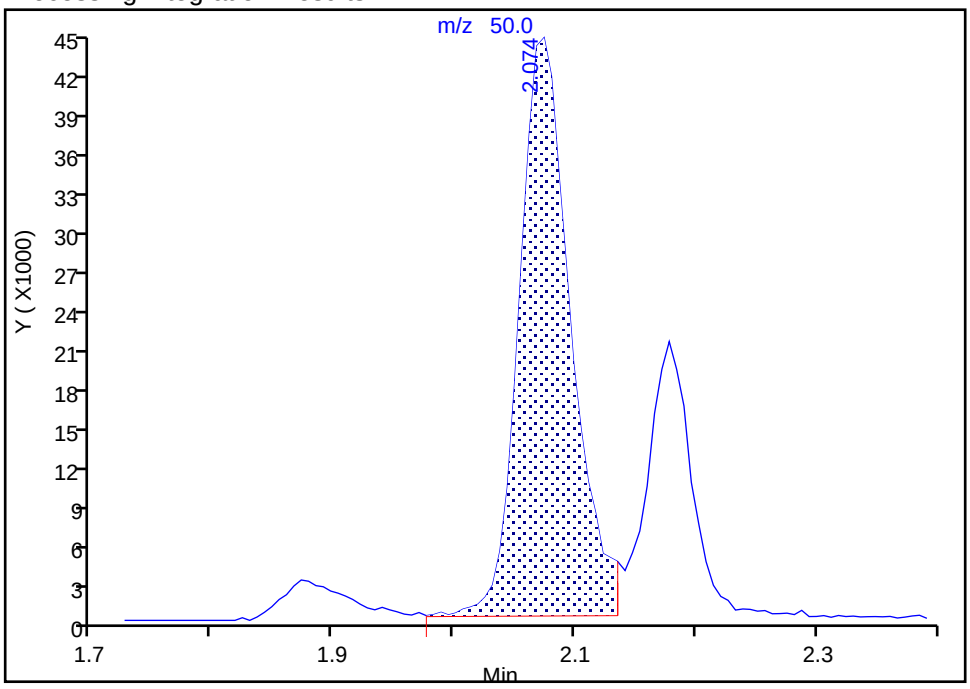
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X15.D				
Injection Date:	11-Mar-2021 20:33:30	Instrument ID:	10193		
Lims ID:	IC STD2 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

3 Chloromethane, CAS: 74-87-3

Signal: 1

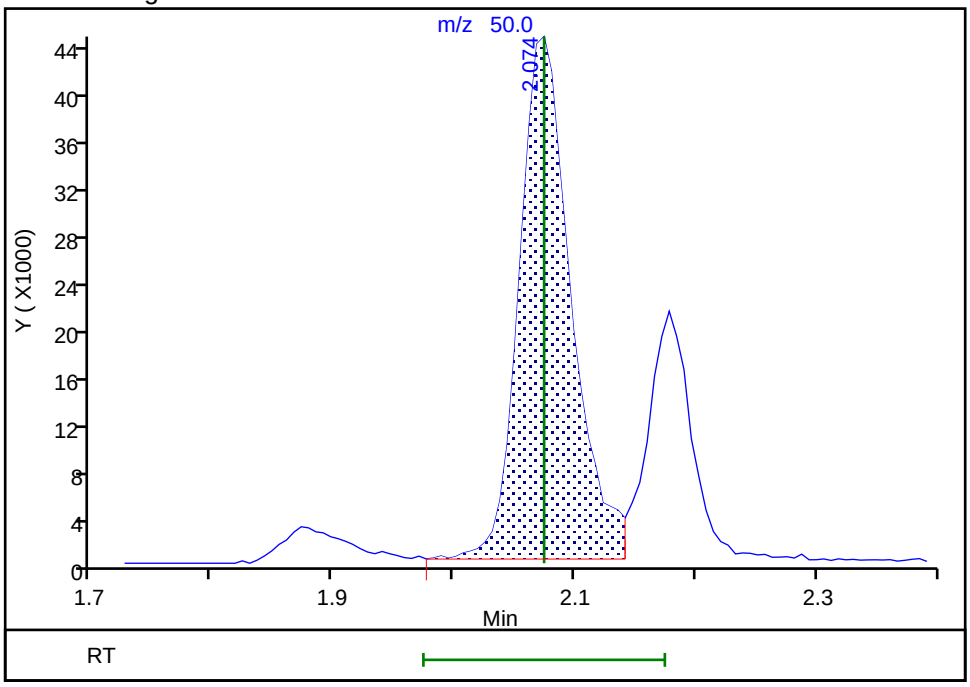
Processing Integration Results

RT: 2.07
Area: 131751
Amount: 1.468549
Amount Units: ug/l



Manual Integration Results

RT: 2.07
Area: 132701
Amount: 1.846308
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 09:15:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

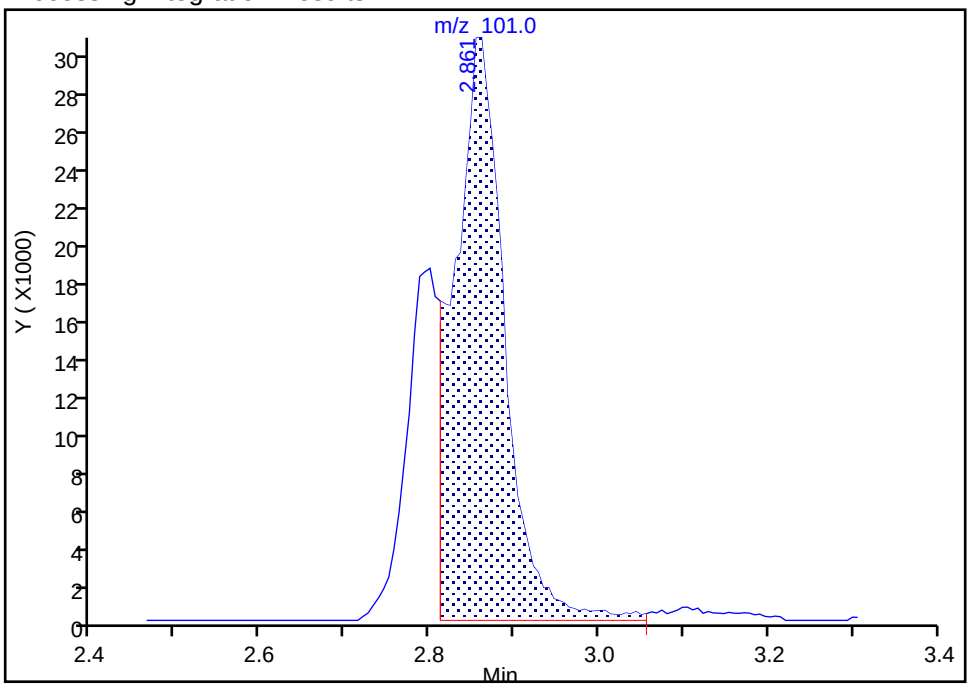
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X15.D				
Injection Date:	11-Mar-2021 20:33:30	Instrument ID:	10193		
Lims ID:	IC STD2 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

9 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

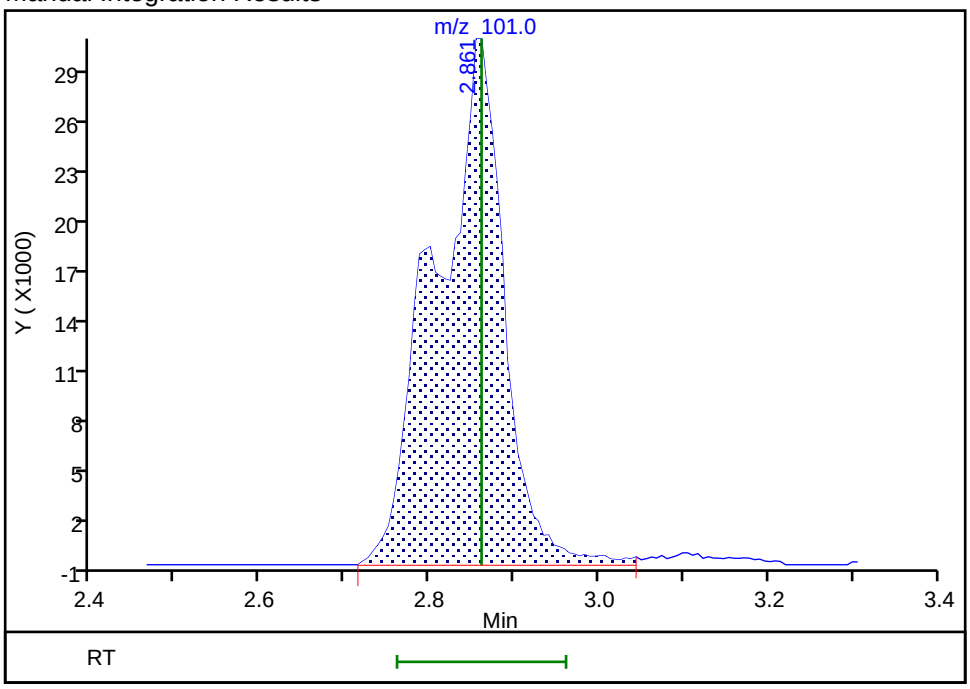
Processing Integration Results

RT: 2.86
Area: 125535
Amount: 1.223527
Amount Units: ug/l



Manual Integration Results

RT: 2.86
Area: 169901
Amount: 1.897737
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 09:15:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

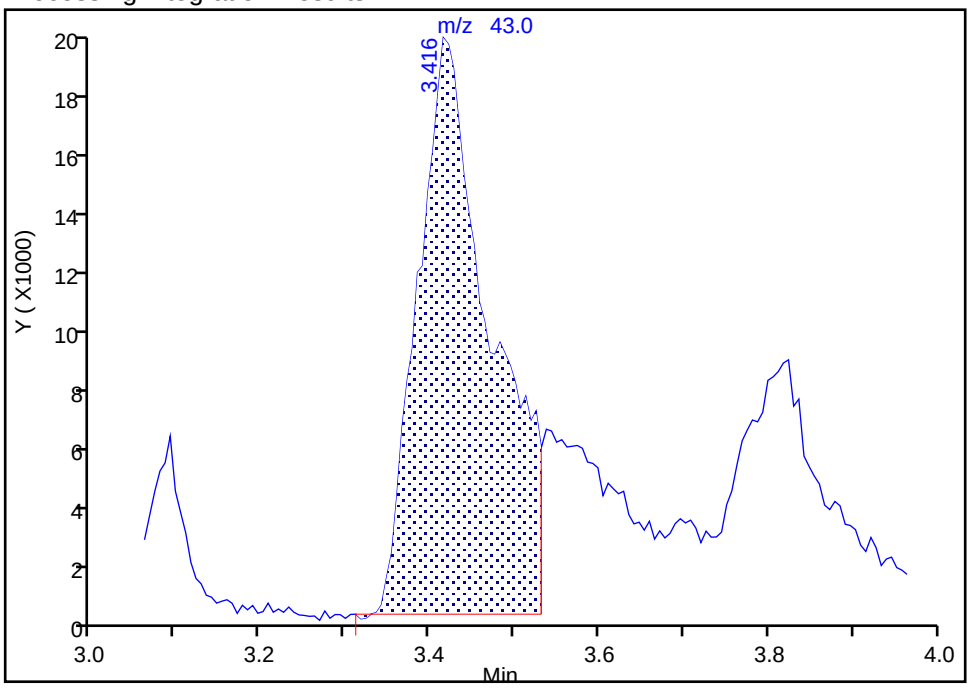
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X15.D				
Injection Date:	11-Mar-2021 20:33:30	Instrument ID:	10193		
Lims ID:	IC STD2 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

16 Acetone, CAS: 67-64-1

Signal: 1

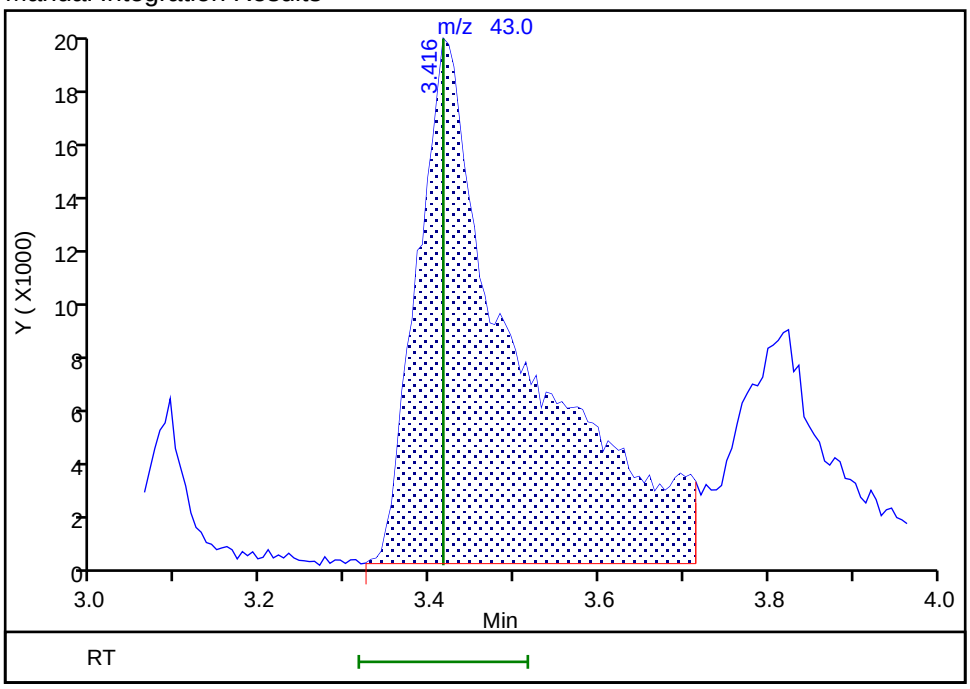
Processing Integration Results

RT: 3.42
Area: 116761
Amount: 16.961657
Amount Units: ug/l



Manual Integration Results

RT: 3.42
Area: 165522
Amount: 20.708697
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 09:16:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

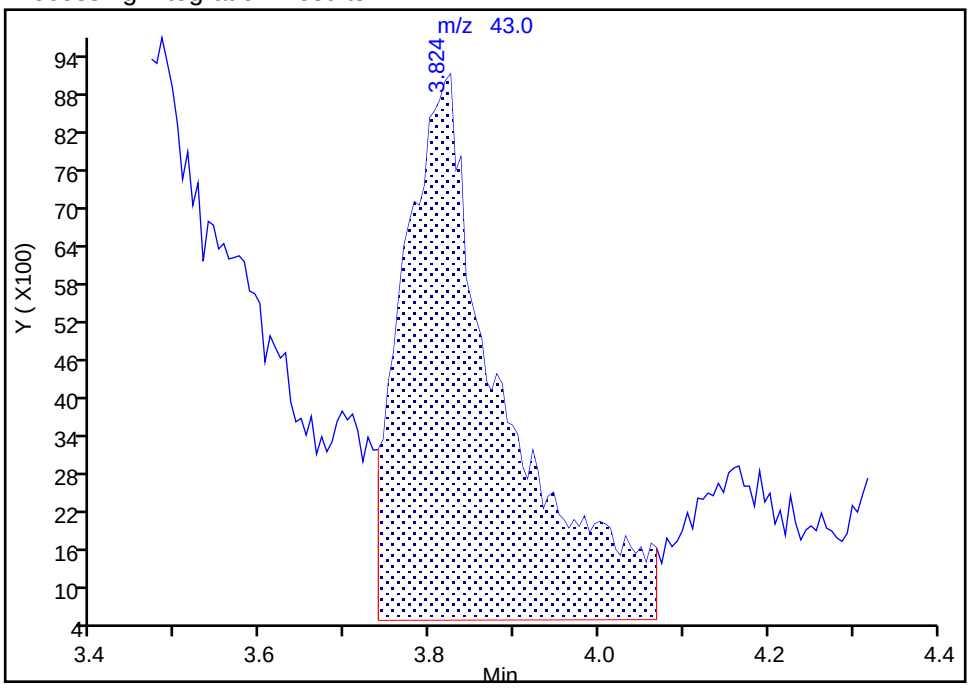
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X15.D				
Injection Date:	11-Mar-2021 20:33:30	Instrument ID:	10193		
Lims ID:	IC STD2 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

22 Methyl acetate, CAS: 79-20-9

Signal: 1

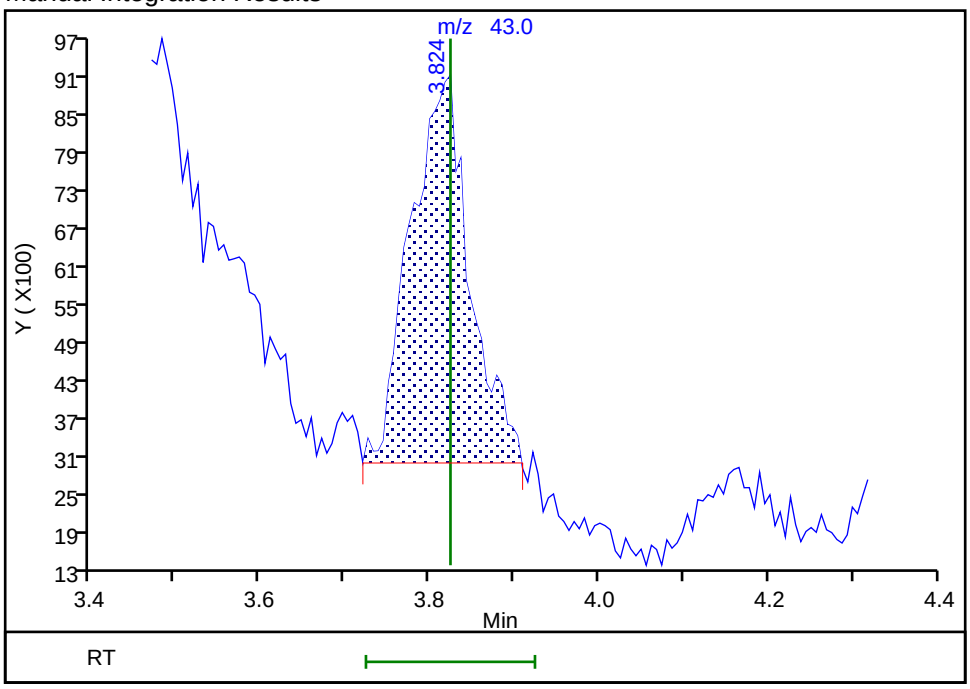
Processing Integration Results

RT: 3.82
Area: 70542
Amount: 2.617640
Amount Units: ug/l



Manual Integration Results

RT: 3.82
Area: 29570
Amount: 1.687226
Amount Units: ug/l



Reviewer: knouses, 23-Mar-2021 12:22:30

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

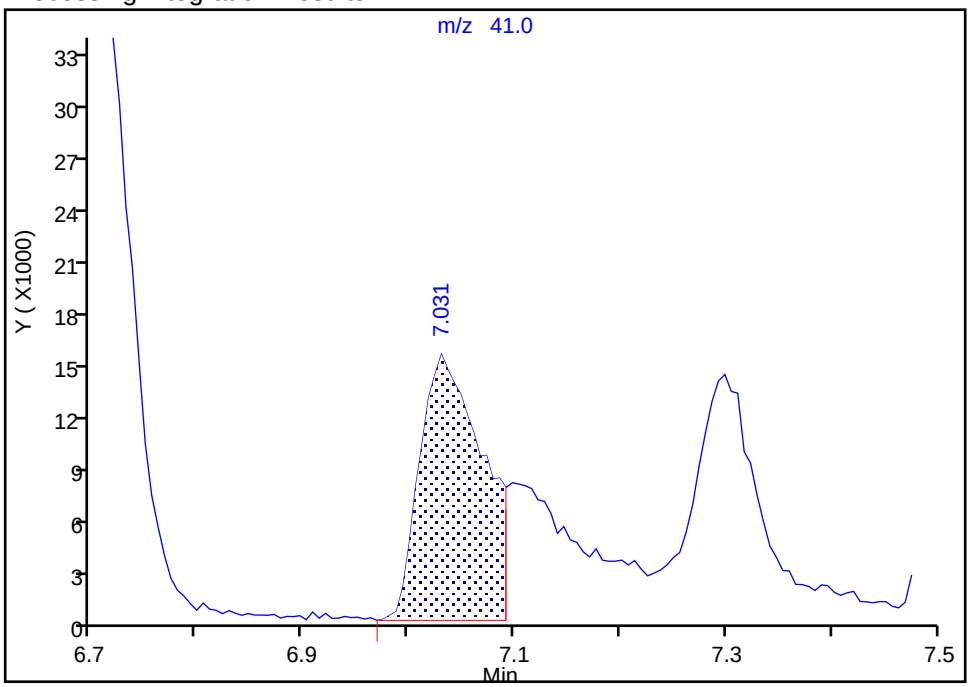
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X15.D				
Injection Date:	11-Mar-2021 20:33:30	Instrument ID:	10193		
Lims ID:	IC STD2 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

52 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

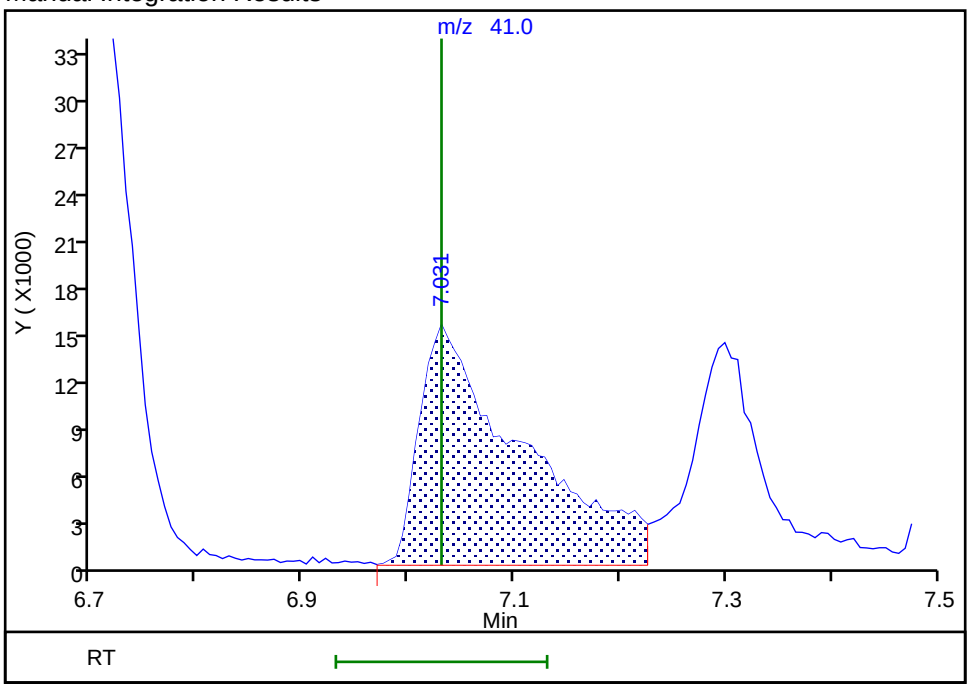
Processing Integration Results

RT: 7.03
Area: 64052
Amount: 73.677688
Amount Units: ug/l



Manual Integration Results

RT: 7.03
Area: 104478
Amount: 90.940516
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 09:18:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

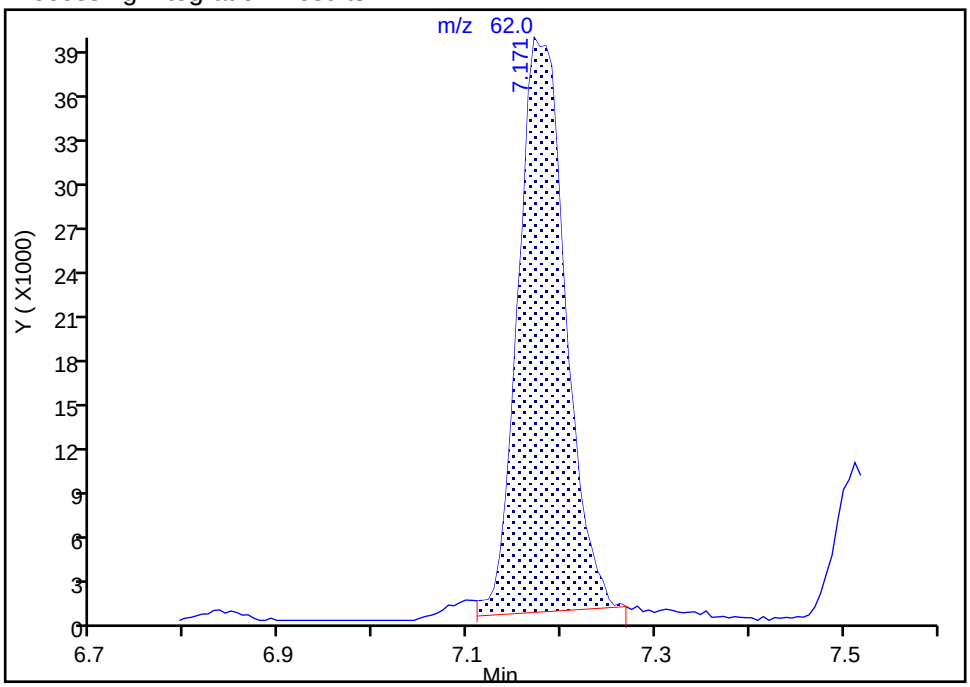
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X15.D				
Injection Date:	11-Mar-2021 20:33:30	Instrument ID:	10193		
Lims ID:	IC STD2 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

55 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

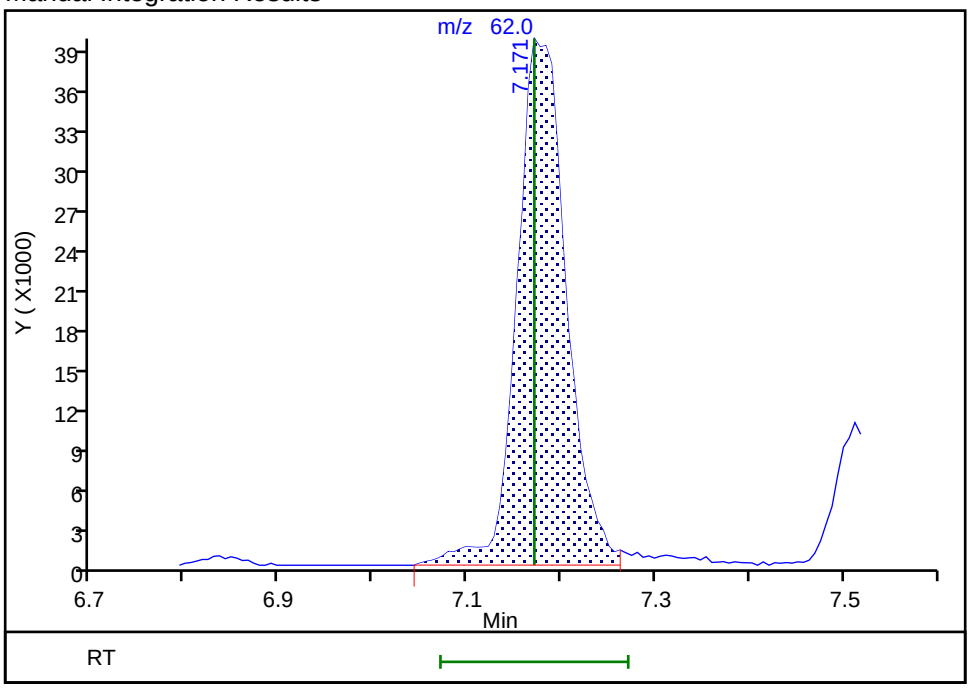
Processing Integration Results

RT: 7.17
Area: 137360
Amount: 1.858229
Amount Units: ug/l



Manual Integration Results

RT: 7.17
Area: 145889
Amount: 1.968587
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 09:18:35

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

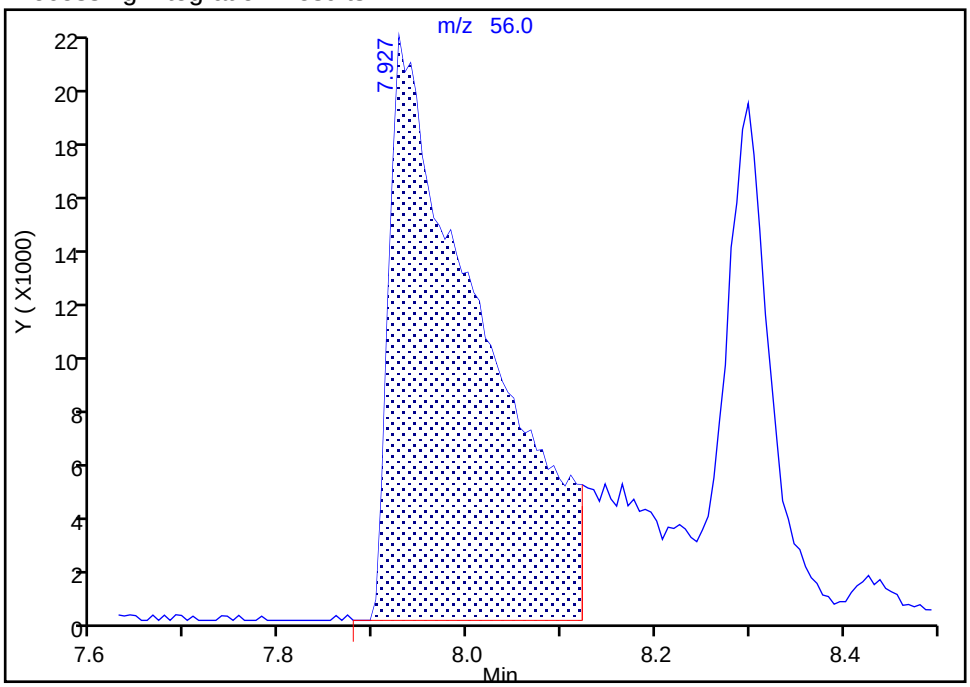
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X15.D				
Injection Date:	11-Mar-2021 20:33:30	Instrument ID:	10193		
Lims ID:	IC STD2 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

59 n-Butanol, CAS: 71-36-3

Signal: 1

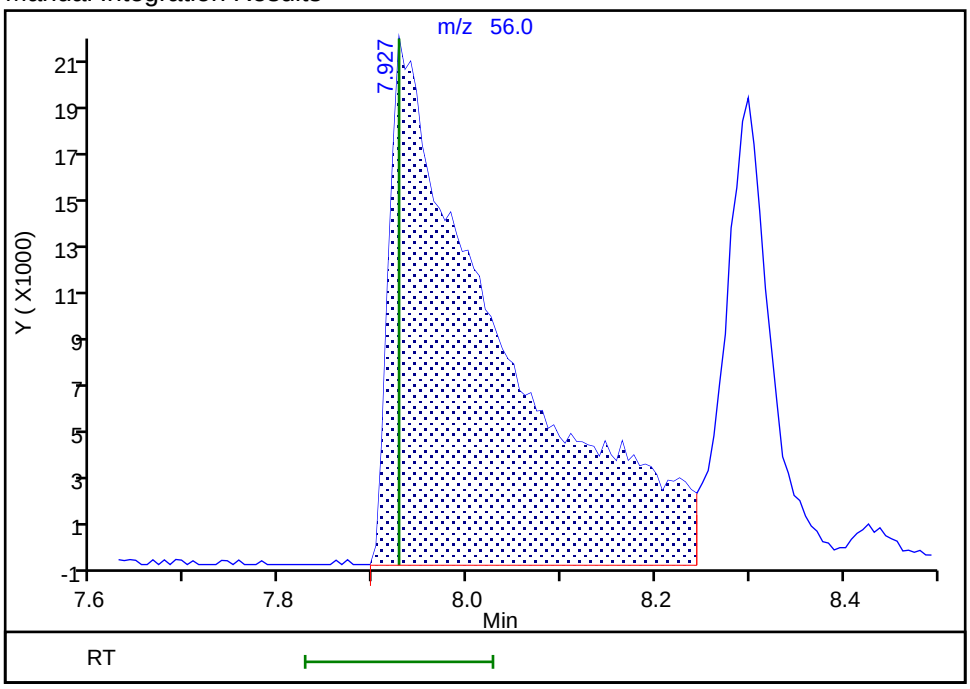
Processing Integration Results

RT: 7.93
Area: 144833
Amount: 179.4919
Amount Units: ug/l



Manual Integration Results

RT: 7.93
Area: 174724
Amount: 179.3333
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 09:19:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

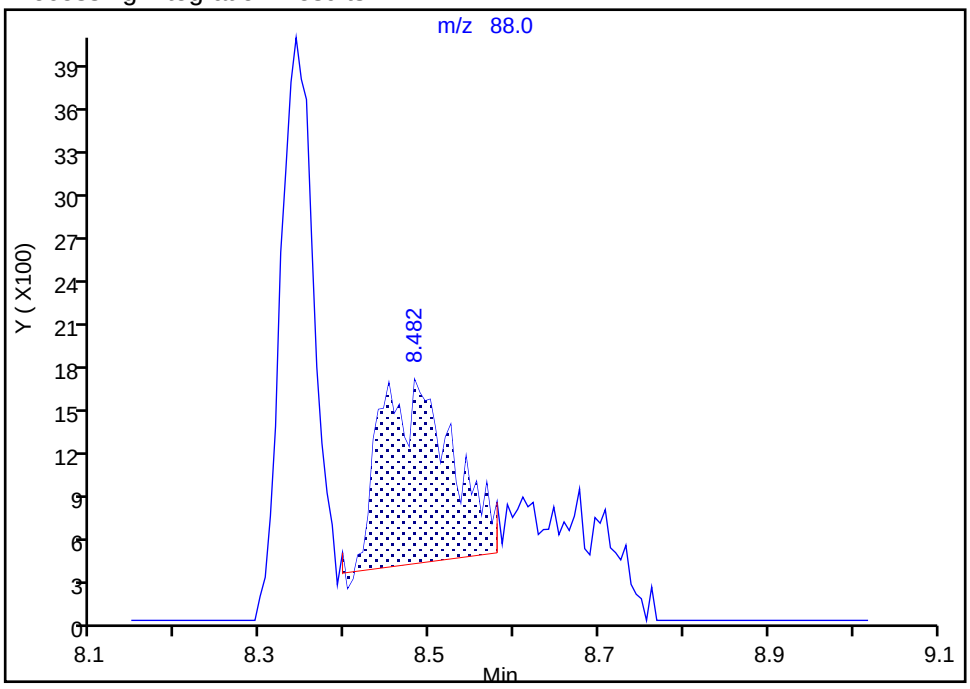
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X15.D
Injection Date: 11-Mar-2021 20:33:30 Instrument ID: 10193
Lims ID: IC STD2 Lg
Client ID:
Operator ID: SRK36897 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

65 1,4-Dioxane, CAS: 123-91-1

Signal: 1

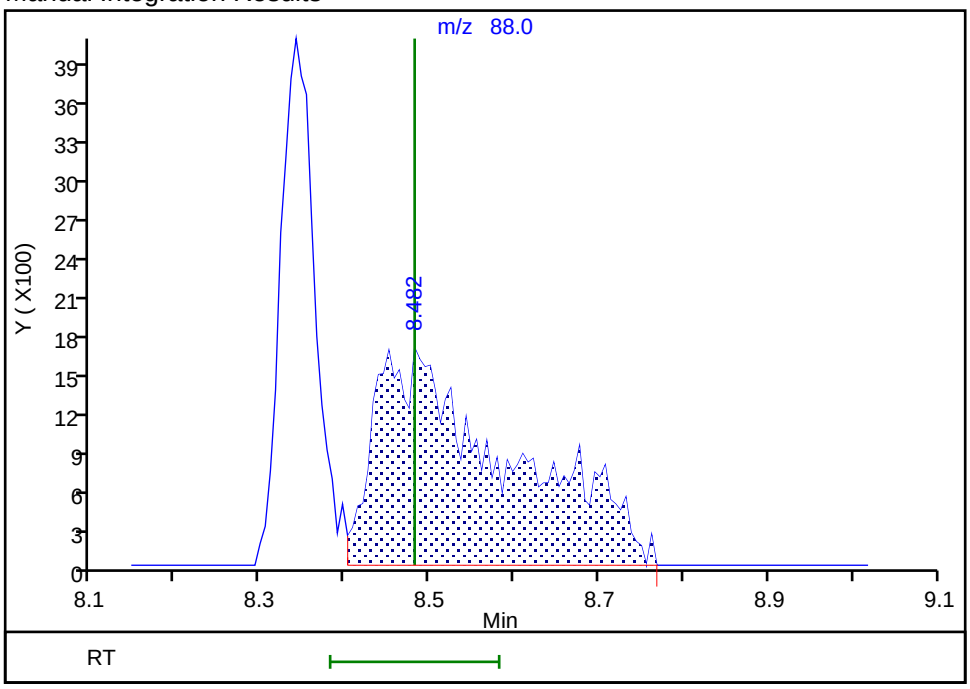
Processing Integration Results

RT: 8.48
Area: 7563
Amount: 49.388293
Amount Units: ug/l



Manual Integration Results

RT: 8.48
Area: 18216
Amount: 87.244596
Amount Units: ug/l



Reviewer: knouses, 23-Mar-2021 12:00:03
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X16.D
Lims ID: IC STD1 Lg
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 11-Mar-2021 20:55:30 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0023820-016
Misc. Info.: IC STD.5 LG
Operator ID: SRK36897 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 23-Mar-2021 16:56:26 Calib Date: 11-Mar-2021 21:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1638

First Level Reviewer: knouses Date: 12-Mar-2021 09:26:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.886	1.879	0.007	98	54318	1.00	0.9365	
3 Chloromethane	50	2.087	2.074	0.013	99	66165	1.00	0.9232	M
4 Butadiene	39	2.190	2.178	0.012	94	77994	1.00	0.99	M
5 Vinyl chloride	62	2.196	2.184	0.012	69	63531	1.00	0.9704	
6 Bromomethane	94	2.501	2.489	0.012	91	44794	1.00	0.9514	
7 Chloroethane	64	2.574	2.562	0.012	99	41826	1.00	0.9752	
8 Dichlorofluoromethane	67	2.812	2.800	0.012	98	93918	1.00	0.9502	
9 Trichlorofluoromethane	101	2.873	2.861	0.012	97	85429	1.00	0.9570	
11 Ethyl ether	59	3.105	3.086	0.019	92	45094	1.00	0.9310	
12 1,2-Dichloro-1,1,2-trifluoroetha	67	3.184	3.172	0.012	94	71240	1.00	1.02	
13 Acrolein	56	3.269	3.257	0.012	99	353509	50.0	54.5	
14 1,1-Dichloroethene	96	3.391	3.379	0.012	97	51031	1.00	1.01	
15 112TCTFE	101	3.434	3.410	0.024	92	55171	1.00	1.01	
16 Acetone	43	3.434	3.416	0.018	65	79397	10.0	10.4	M
17 Iodomethane	142	3.580	3.562	0.018	99	98011	1.00	1.00	
18 Isopropyl alcohol	45	3.568	3.586	-0.018	29	31971	20.0	17.6	
19 Ethyl bromide	108	3.605	3.592	0.013	98	39807	1.00	0.9425	
20 Carbon disulfide	76	3.672	3.659	0.013	100	170125	1.00	0.9889	
22 Methyl acetate	43	3.836	3.824	0.012	23	15090	1.00	0.8993	M
23 3-Chloro-1-propene	41	3.849	3.830	0.019	89	85456	1.00	0.9174	
24 Methylene Chloride	84	4.025	4.007	0.018	95	55939	1.00	0.9890	
* 25 t-Butyl alcohol-d10 (IS)	65	4.062	4.050	0.012	0	165663	50.0	50.0	
26 2-Methyl-2-propanol	59	4.172	4.165	0.007	97	66645	20.0	22.5	
27 Acrylonitrile	53	4.373	4.354	0.019	98	57341	5.00	5.27	
28 Methyl tert-butyl ether	73	4.409	4.391	0.018	96	166043	1.00	1.00	
29 trans-1,2-Dichloroethene	96	4.422	4.403	0.019	96	56687	1.00	0.9807	
30 Hexane	57	4.836	4.824	0.012	94	89978	1.00	0.9848	
32 1,1-Dichloroethane	63	5.080	5.074	0.006	96	110580	1.00	1.01	
33 Isopropyl ether	45	5.141	5.129	0.012	93	206284	1.00	1.00	
34 2-Chloro-1,3-butadiene	53	5.190	5.184	0.006	93	98492	1.00	0.99	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Tert-butyl ethyl ether	59	5.671	5.665	0.006	98	201628	1.00	1.01	
36 2-Butanone (MEK)	43	5.891	5.885	0.006	99	155637	10.0	10.0	
37 cis-1,2-Dichloroethene	96	5.927	5.915	0.012	84	63722	1.00	0.9802	
38 2,2-Dichloropropane	77	5.927	5.921	0.006	85	87880	1.00	0.9885	
40 Propionitrile	54	5.988	5.988	0.000	99	75221	20.0	18.3	
S 42 1,2-Dichloroethene, Total	100				0			1.96	
43 Methacrylonitrile	67	6.202	6.189	0.013	93	155324	10.0	10.1	
44 Chlorobromomethane	128	6.263	6.244	0.019	78	27419	1.00	0.9492	
45 Tetrahydrofuran	71	6.251	6.250	0.001	80	45139	10.0	10.1	
46 Chloroform	83	6.415	6.403	0.012	94	104144	1.00	1.00	
$ 47 Dibromofluoromethane (Surr)	113	6.629	6.622	0.007	93	518482	10.0	9.97	
48 1,1,1-Trichloroethane	97	6.629	6.622	0.007	44	90751	1.00	0.9854	
49 Cyclohexane	56	6.714	6.714	0.000	91	109442	1.00	0.99	
50 Carbon tetrachloride	117	6.836	6.830	0.006	97	76572	1.00	1.00	
51 1,1-Dichloropropene	75	6.848	6.842	0.006	96	84150	1.00	0.9835	
52 Isobutyl alcohol	41	7.025	7.031	-0.006	91	55836	50.0	50.8	
$ 53 1,2-Dichloroethane-d4 (Surr)	102	7.086	7.080	0.006	0	108133	10.0	10.1	
54 Benzene	78	7.110	7.104	0.006	93	245502	1.00	0.99	
55 1,2-Dichloroethane	62	7.183	7.171	0.012	98	71667	1.00	0.9698	M
56 Tert-amyl methyl ether	73	7.305	7.299	0.006	98	176879	1.00	0.99	
* 57 Fluorobenzene (IS)	96	7.519	7.512	0.007	99	2195473	10.0	10.0	
58 n-Heptane	43	7.531	7.525	0.006	90	96761	1.00	0.9635	
59 n-Butanol	56	7.927	7.927	0.000	92	89995	100.0	96.5	
60 Trichloroethene	95	8.000	7.994	0.006	97	62611	1.00	1.00	
61 Methylcyclohexane	83	8.299	8.299	0.000	92	105184	1.00	0.9351	
62 1,2-Dichloropropane	63	8.336	8.335	0.001	95	62574	1.00	0.9766	
63 2-ethoxy-2-methyl butane	87	8.348	8.342	0.006	91	98701	1.00	0.99	
64 Methyl methacrylate	69	8.433	8.433	0.000	94	31053	1.00	1.00	
66 Dibromomethane	93	8.451	8.439	0.012	96	29994	1.00	1.00	
65 1,4-Dioxane	88	8.464	8.482	-0.018	32	10402	50.0	52.0	M
67 Dichlorobromomethane	83	8.689	8.689	0.000	99	73153	1.00	0.9863	
68 2-Nitropropane	41	8.976	8.969	0.007	99	99954	10.0	9.86	M
71 1-Bromo-2-chloroethane	63	9.085	9.079	0.006	99	57317	1.00	0.9404	
72 cis-1,3-Dichloropropene	75	9.250	9.250	0.000	95	91944	1.00	0.9595	
73 4-Methyl-2-pentanone (MIBK)	43	9.439	9.433	0.006	97	427068	10.0	9.98	
$ 74 Toluene-d8 (Surr)	98	9.567	9.561	0.006	94	2146383	10.0	9.91	
75 Toluene	92	9.646	9.640	0.006	98	157189	1.00	0.99	
76 trans-1,3-Dichloropropene	75	9.921	9.914	0.007	95	77480	1.00	0.9617	
78 Ethyl methacrylate	69	9.988	9.981	0.007	89	66038	1.00	0.9666	
S 77 1,3-Dichloropropene, Total	100				0			1.92	
79 1,1,2-Trichloroethane	97	10.128	10.122	0.006	92	42688	1.00	0.9711	
80 Tetrachloroethene	166	10.207	10.201	0.006	96	65949	1.00	0.9840	
81 1,3-Dichloropropane	76	10.292	10.292	0.000	94	77132	1.00	0.9827	
82 2-Hexanone	43	10.353	10.353	0.000	96	302584	10.0	9.66	
83 Chlorodibromomethane	129	10.506	10.506	0.000	90	46550	1.00	0.9416	
84 Ethylene Dibromide	107	10.616	10.615	0.001	98	41539	1.00	0.9795	
* 85 Chlorobenzene-d5 (IS)	117	11.061	11.060	0.001	87	1619173	10.0	10.0	
86 1-Chlorohexane	91	11.073	11.073	0.000	95	87814	1.00	0.9643	
87 Chlorobenzene	112	11.085	11.085	0.000	94	176620	1.00	0.99	
89 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	92	56719	1.00	0.9534	
90 Ethylbenzene	91	11.176	11.176	0.000	98	304702	1.00	0.9882	
S 88 Xylenes, Total	106				0			2.95	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
91 m-Xylene & p-Xylene	106	11.292	11.292	0.000	99	236059	2.00	1.97	
92 o-Xylene	106	11.628	11.627	0.001	97	116267	1.00	0.9766	
93 Styrene	104	11.646	11.646	0.000	95	192033	1.00	0.9664	
94 Bromoform	173	11.804	11.804	0.000	95	25830	1.00	0.9191	
95 Isopropylbenzene	105	11.932	11.932	0.000	96	304935	1.00	0.9878	
$ 98 4-Bromofluorobenzene (Surr)	95	12.079	12.079	0.000	88	820392	10.0	9.89	
99 1,1,2,2-Tetrachloroethane	83	12.188	12.188	0.000	94	55717	1.00	1.01	
100 Bromobenzene	156	12.195	12.194	0.000	96	74343	1.00	1.00	
101 trans-1,4-Dichloro-2-butene	53	12.213	12.213	0.000	96	160817	10.0	9.96	
102 1,2,3-Trichloropropane	110	12.231	12.231	0.000	80	14947	1.00	1.00	
103 N-Propylbenzene	91	12.268	12.268	0.000	99	359813	1.00	1.00	
104 2-Chlorotoluene	126	12.341	12.341	0.000	96	73314	1.00	0.9853	
105 1,3,5-Trimethylbenzene	105	12.408	12.408	0.000	94	263579	1.00	1.00	
106 4-Chlorotoluene	126	12.438	12.438	0.000	98	77916	1.00	1.00	
107 tert-Butylbenzene	134	12.652	12.646	0.006	93	55767	1.00	0.9796	
108 Pentachloroethane	167	12.682	12.682	0.000	88	36271	1.00	0.8846	
109 1,2,4-Trimethylbenzene	105	12.694	12.694	0.000	97	266991	1.00	0.9798	
110 sec-Butylbenzene	105	12.816	12.816	0.000	94	340967	1.00	1.01	
111 1,3-Dichlorobenzene	146	12.914	12.914	0.000	98	147971	1.00	1.01	
112 4-Isopropyltoluene	119	12.926	12.926	0.000	97	291744	1.00	0.99	
* 113 1,4-Dichlorobenzene-d4	152	12.969	12.969	0.000	96	873073	10.0	10.0	
114 1,4-Dichlorobenzene	146	12.987	12.987	0.000	95	150524	1.00	1.00	
115 1,2,3-Trimethylbenzene	120	12.999	12.999	0.000	99	114621	1.00	0.9465	
116 Benzyl chloride	126	13.072	13.072	0.000	99	19132	1.00	0.9296	
119 n-Butylbenzene	92	13.219	13.219	0.000	97	146017	1.00	0.9760	
120 1,2-Dichlorobenzene	146	13.249	13.249	0.000	97	139116	1.00	1.01	
118 p-Diethylbenzene	119	13.274	13.273	0.001	86	141712	1.00	0.9451	
123 1,2-Dibromo-3-Chloropropane	155	13.804	13.804	0.000	83	7365	1.00	0.9651	
124 1,3,5-Trichlorobenzene	180	13.926	13.926	0.000	97	119040	1.00	0.9888	
125 1,2,4-Trichlorobenzene	180	14.359	14.353	0.006	94	106787	1.00	0.9873	
126 Hexachlorobutadiene	225	14.438	14.438	0.000	98	52061	1.00	1.01	
127 Naphthalene	128	14.542	14.535	0.007	97	189574	1.00	0.9720	
128 1,2,3-Trichlorobenzene	180	14.682	14.682	0.000	95	95061	1.00	0.9888	
129 2-Methylnaphthalene	142	15.310	15.304	0.006	92	124496	1.00	0.9223	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_RV1_826_00041	Amount Added:	2.00	Units: uL	
MSV_RV4_826_00047	Amount Added:	2.00	Units: uL	
MSV_RV4GAS826_00118	Amount Added:	2.00	Units: uL	
MSV_HP25_ISSS_00023	Amount Added:	1.00	Units: uL	Run Reagent

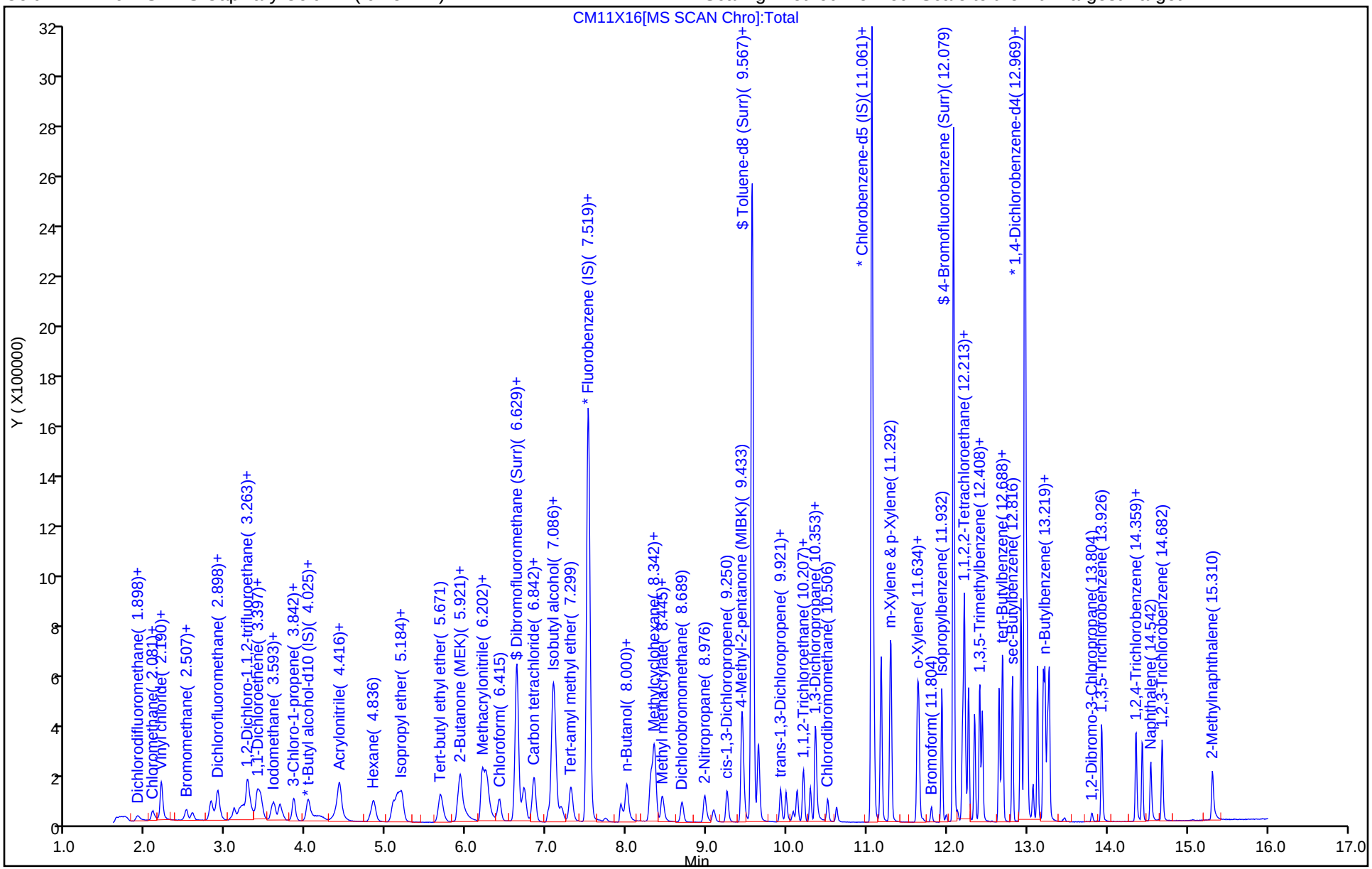
Report Date: 23-Mar-2021 16:56:27 Chrom Revision: 2.3 19-Mar-2021 08:24:58

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X16.D

Injection Date:	11-Mar-2021 20:55:30	Instrument ID:	10193	Operator ID:	SRK36897
Lims ID:	IC STD1 Lg			Worklist Smp#:	16
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

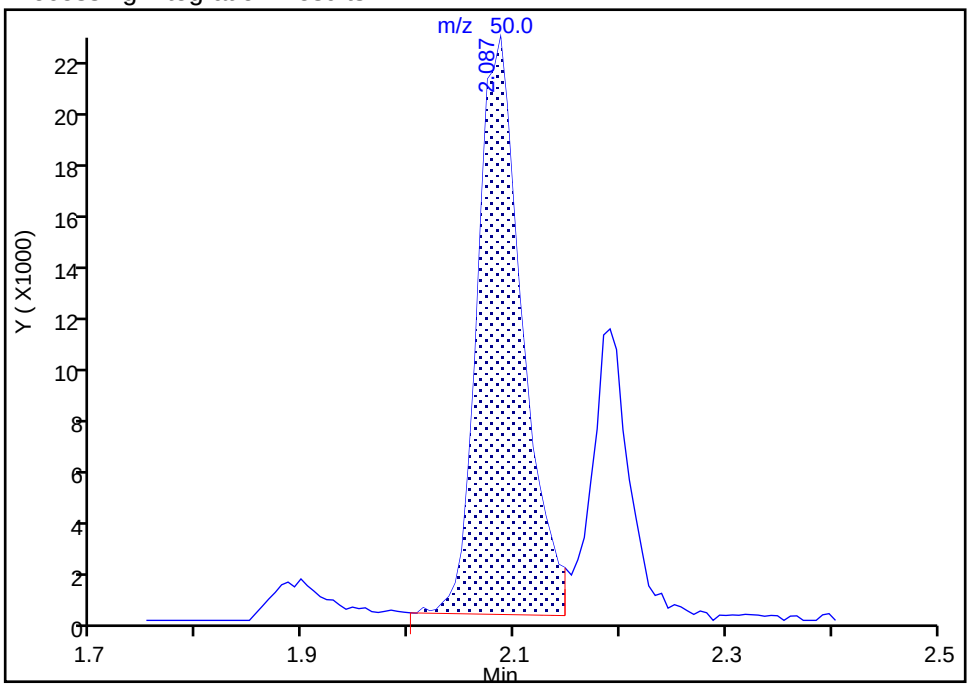
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X16.D
Injection Date: 11-Mar-2021 20:55:30 Instrument ID: 10193
Lims ID: IC STD1 Lg
Client ID:
Operator ID: SRK36897 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

3 Chloromethane, CAS: 74-87-3

Signal: 1

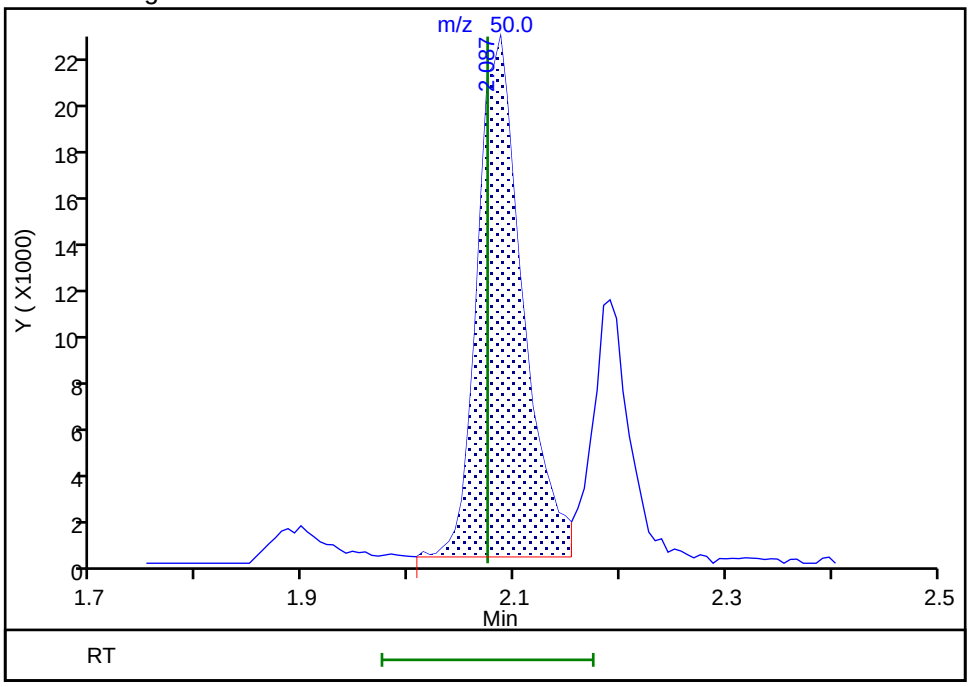
Processing Integration Results

RT: 2.09
Area: 65929
Amount: 0.736284
Amount Units: ug/l



Manual Integration Results

RT: 2.09
Area: 66165
Amount: 0.923215
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 09:21:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

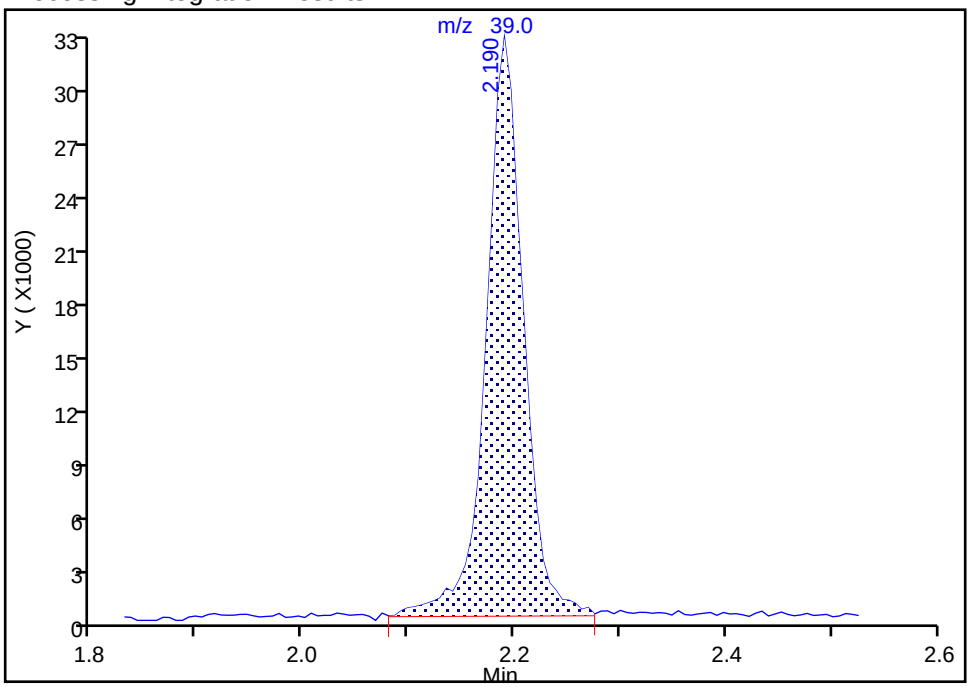
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X16.D
Injection Date: 11-Mar-2021 20:55:30 Instrument ID: 10193
Lims ID: IC STD1 Lg
Client ID:
Operator ID: SRK36897 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

4 Butadiene, CAS: 106-99-0

Signal: 1

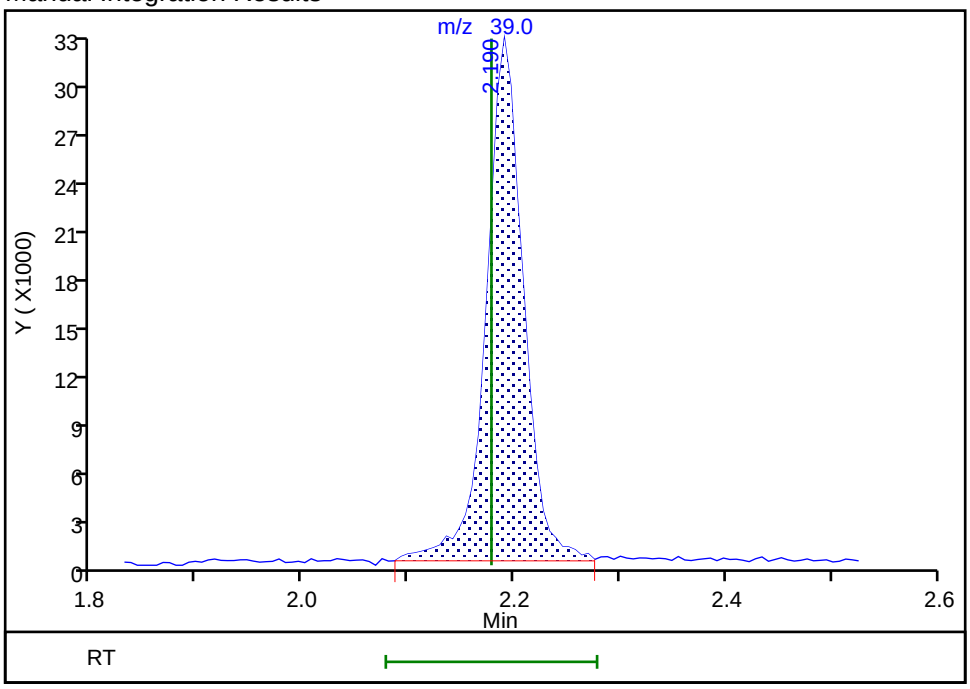
Processing Integration Results

RT: 2.19
Area: 78478
Amount: 1.035009
Amount Units: ug/l



Manual Integration Results

RT: 2.19
Area: 77994
Amount: 0.991524
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 09:21:57
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

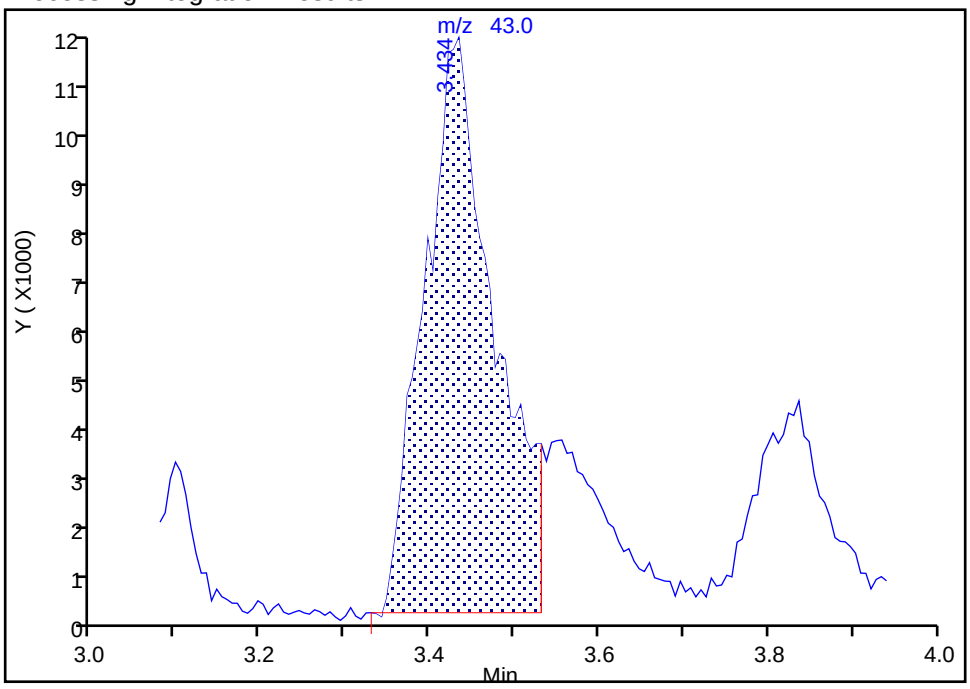
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X16.D				
Injection Date:	11-Mar-2021 20:55:30	Instrument ID:	10193		
Lims ID:	IC STD1 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

16 Acetone, CAS: 67-64-1

Signal: 1

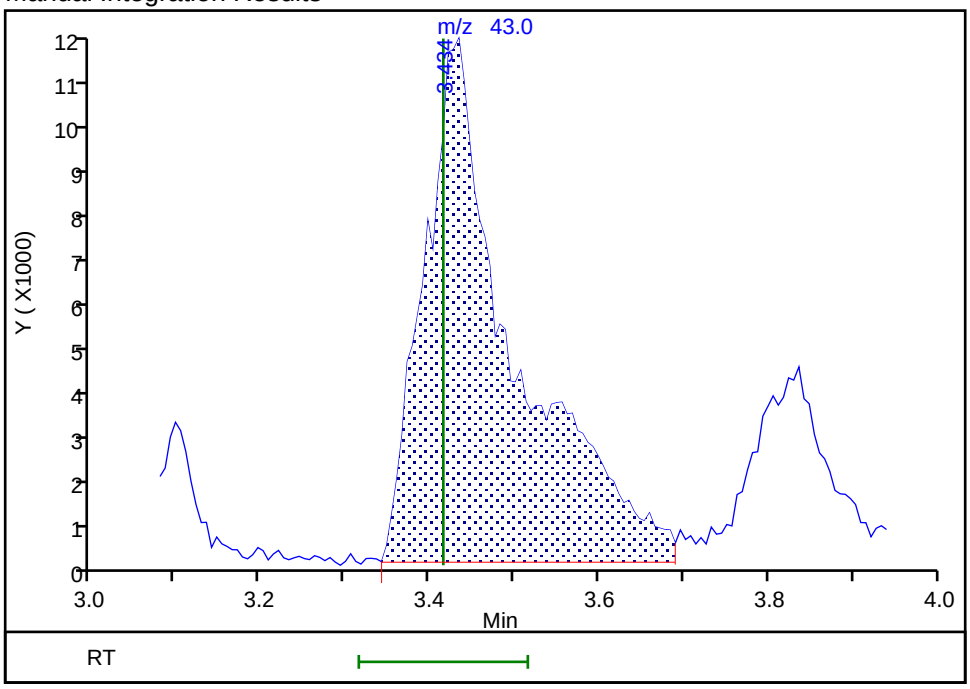
Processing Integration Results

RT: 3.43
Area: 61268
Amount: 8.659206
Amount Units: ug/l



Manual Integration Results

RT: 3.43
Area: 79397
Amount: 10.375573
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 09:22:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

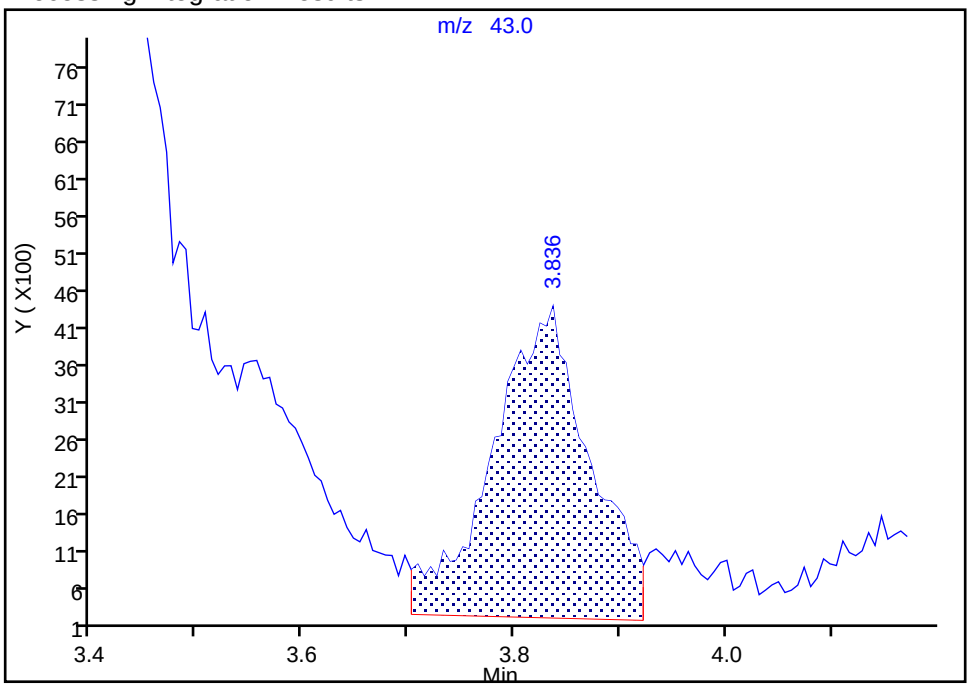
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X16.D				
Injection Date:	11-Mar-2021 20:55:30	Instrument ID:	10193		
Lims ID:	IC STD1 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

22 Methyl acetate, CAS: 79-20-9

Signal: 1

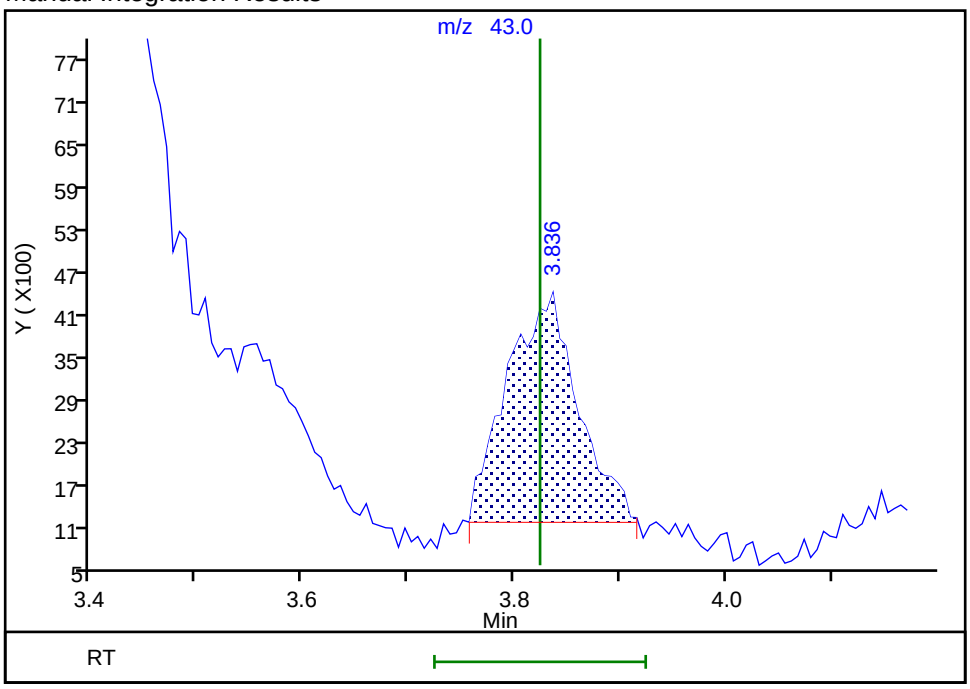
Processing Integration Results

RT: 3.84
Area: 26679
Amount: 1.309079
Amount Units: ug/l



Manual Integration Results

RT: 3.84
Area: 15090
Amount: 0.899337
Amount Units: ug/l



Reviewer: knouses, 23-Mar-2021 12:23:35
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

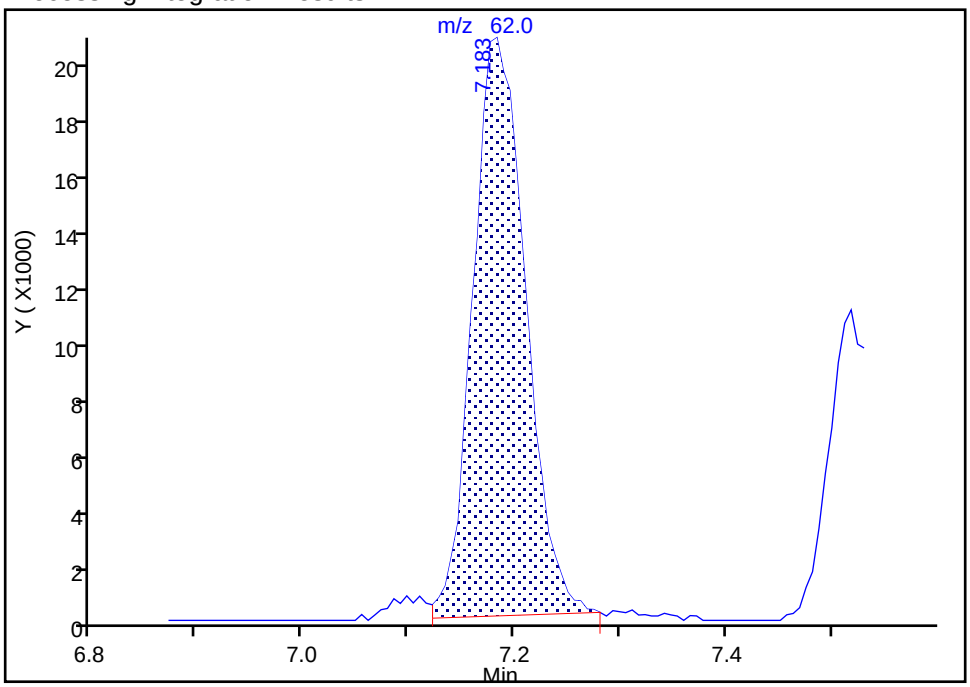
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X16.D				
Injection Date:	11-Mar-2021 20:55:30	Instrument ID:	10193		
Lims ID:	IC STD1 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

55 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

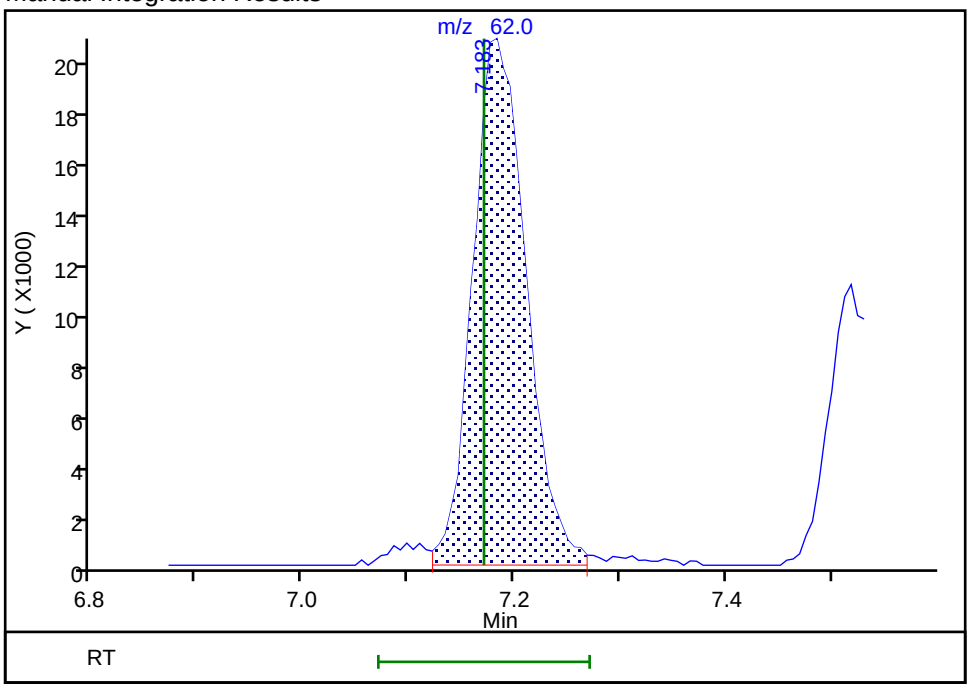
Processing Integration Results

RT: 7.18
Area: 70205
Amount: 0.944684
Amount Units: ug/l



Manual Integration Results

RT: 7.18
Area: 71667
Amount: 0.969830
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 09:24:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

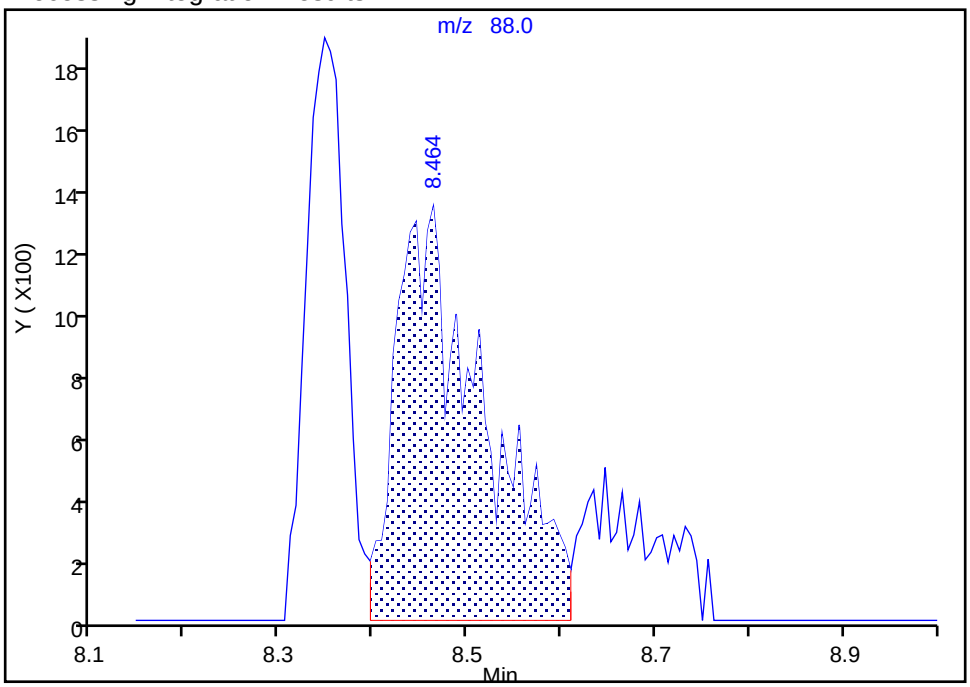
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X16.D				
Injection Date:	11-Mar-2021 20:55:30	Instrument ID:	10193		
Lims ID:	IC STD1 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

65 1,4-Dioxane, CAS: 123-91-1

Signal: 1

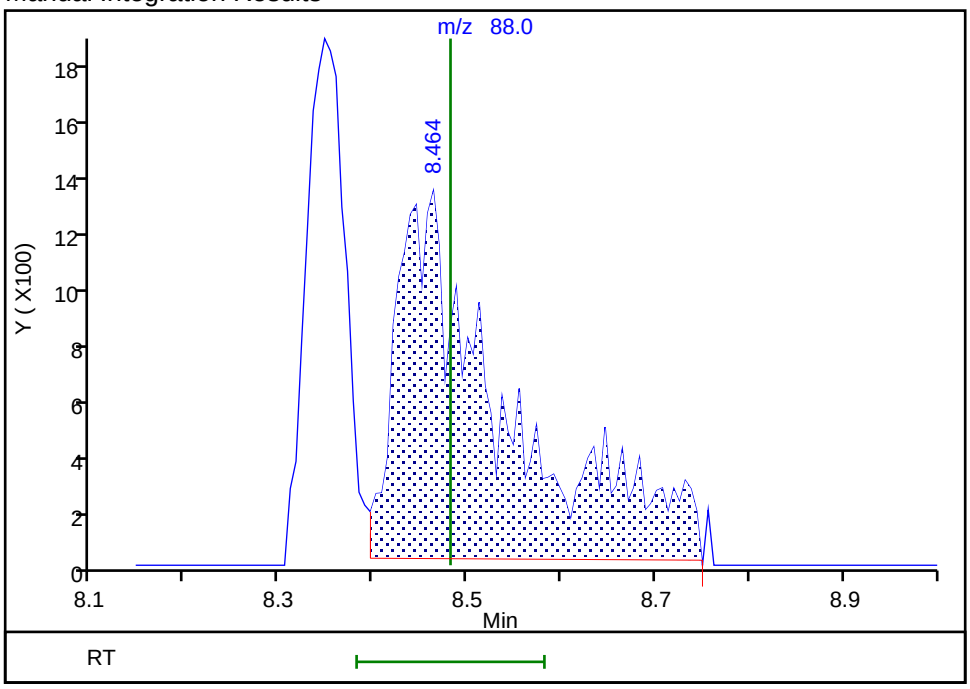
Processing Integration Results

RT: 8.46
Area: 8534
Amount: 55.063158
Amount Units: ug/l



Manual Integration Results

RT: 8.46
Area: 10402
Amount: 52.037127
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 09:25:40

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

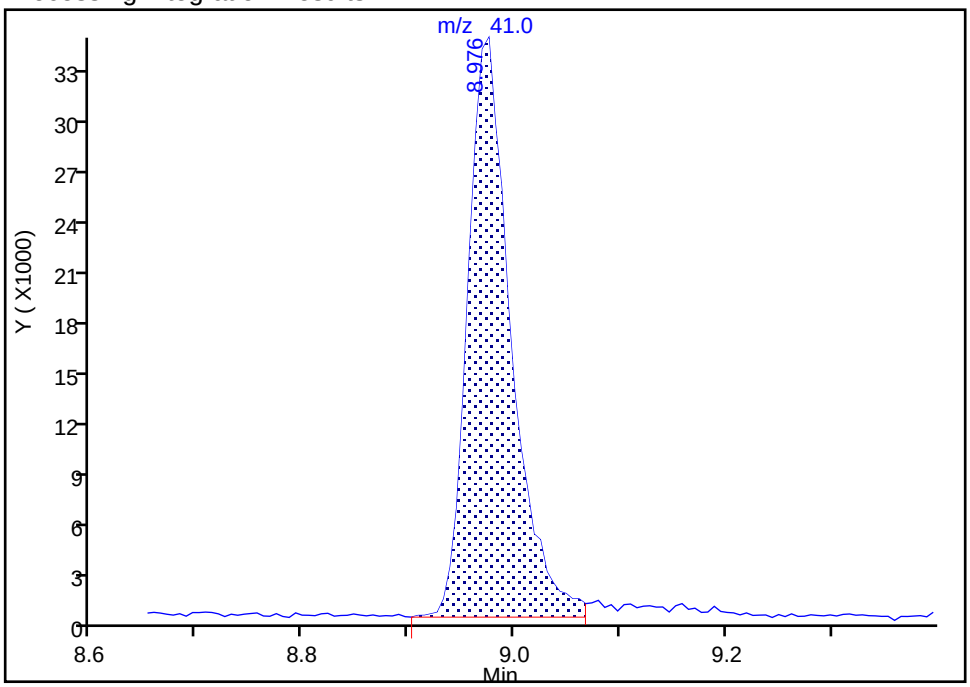
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X16.D				
Injection Date:	11-Mar-2021 20:55:30	Instrument ID:	10193		
Lims ID:	IC STD1 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

68 2-Nitropropane, CAS: 79-46-9

Signal: 1

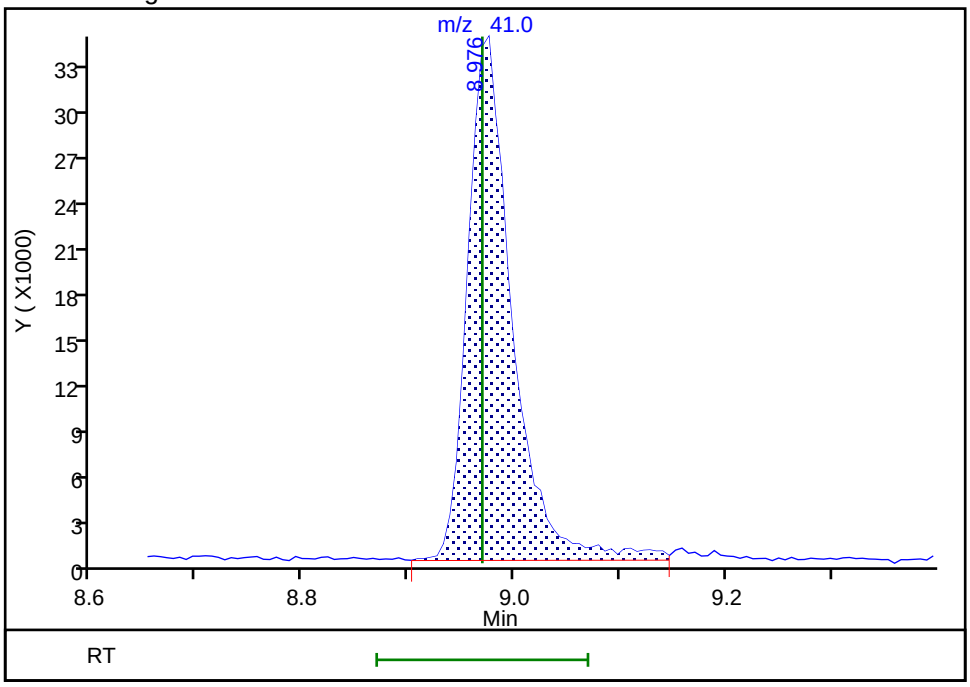
Processing Integration Results

RT: 8.98
Area: 96851
Amount: 9.806250
Amount Units: ug/l



Manual Integration Results

RT: 8.98
Area: 99954
Amount: 9.856110
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 09:26:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X17.D
Lims ID: IC STD.5 Lg
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-Mar-2021 21:18:30 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0023820-017
Misc. Info.: IC STD.5 LG
Operator ID: SRK36897 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 23-Mar-2021 16:56:39 Calib Date: 11-Mar-2021 21:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1638

First Level Reviewer: knouses Date: 12-Mar-2021 09:43:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.873	1.879	-0.006	99	26325	0.5000	0.4556	
3 Chloromethane	50	2.074	2.074	0.000	98	35701	0.5000	0.5001	
4 Butadiene	39	2.184	2.178	0.006	93	42056	0.5000	0.5367	M
5 Vinyl chloride	62	2.184	2.184	0.000	69	31326	0.5000	0.4803	M
6 Bromomethane	94	2.495	2.489	0.006	91	23670	0.5000	0.5047	M
7 Chloroethane	64	2.568	2.562	0.006	99	20758	0.5000	0.4858	
8 Dichlorofluoromethane	67	2.800	2.800	0.000	97	47511	0.5000	0.4826	
9 Trichlorofluoromethane	101	2.861	2.861	0.000	97	42470	0.5000	0.4776	
11 Ethyl ether	59	3.086	3.086	0.000	92	25522	0.5001	0.5290	
12 1,2-Dichloro-1,1,2-trifluoroetha	67	3.184	3.172	0.012	94	36027	0.5000	0.5170	
13 Acrolein	56	3.257	3.257	0.000	98	175965	25.0	26.3	
14 1,1-Dichloroethene	96	3.379	3.379	0.000	96	25908	0.5000	0.5163	
15 112TCTFE	101	3.422	3.410	0.012	92	28545	0.5000	0.5225	
16 Acetone	43	3.422	3.416	0.006	77	39833	5.00	5.04	M
17 Iodomethane	142	3.568	3.562	0.006	100	49816	0.5000	0.5080	
18 Isopropyl alcohol	45	3.550	3.586	-0.036	29	21348	10.0	11.4	
19 Ethyl bromide	108	3.592	3.592	0.000	98	22324	0.5002	0.5306	
20 Carbon disulfide	76	3.660	3.659	0.001	99	85582	0.5000	0.4994	
22 Methyl acetate	43	3.818	3.824	-0.006	25	8102	0.5000	0.4676	M
23 3-Chloro-1-propene	41	3.836	3.830	0.006	90	48201	0.5000	0.5194	
24 Methylene Chloride	84	4.013	4.007	0.006	95	28496	0.5000	0.5058	
* 25 t-Butyl alcohol-d10 (IS)	65	4.044	4.050	-0.006	0	171087	50.0	50.0	
26 2-Methyl-2-propanol	59	4.178	4.165	0.013	95	33022	10.0	10.8	
27 Acrylonitrile	53	4.361	4.354	0.007	92	28985	2.50	2.58	
28 Methyl tert-butyl ether	73	4.403	4.391	0.012	97	84164	0.5000	0.5083	
29 trans-1,2-Dichloroethene	96	4.409	4.403	0.006	96	29304	0.5000	0.5089	
30 Hexane	57	4.830	4.824	0.006	94	47320	0.5000	0.5199	
32 1,1-Dichloroethane	63	5.080	5.074	0.006	96	54906	0.5000	0.5036	
33 Isopropyl ether	45	5.135	5.129	0.006	92	103081	0.5000	0.5023	
34 2-Chloro-1,3-butadiene	53	5.184	5.184	0.000	93	49154	0.5000	0.4970	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Tert-butyl ethyl ether	59	5.671	5.665	0.006	98	100234	0.5000	0.5019	
36 2-Butanone (MEK)	43	5.891	5.885	0.006	99	78803	5.00	4.91	M
37 cis-1,2-Dichloroethene	96	5.915	5.915	0.000	83	33468	0.5000	0.5168	
38 2,2-Dichloropropane	77	5.927	5.921	0.006	68	44691	0.5000	0.5047	
40 Propionitrile	54	5.982	5.988	-0.006	98	38100	10.0	9.00	
S 42 1,2-Dichloroethene, Total	100				0			1.03	
43 Methacrylonitrile	67	6.202	6.189	0.013	92	78755	5.00	4.97	M
44 Chlorobromomethane	128	6.244	6.244	0.000	82	15433	0.5000	0.5364	
45 Tetrahydrofuran	71	6.257	6.250	0.007	80	23156	5.00	5.01	
46 Chloroform	83	6.403	6.403	0.000	94	53577	0.5000	0.5139	
$ 47 Dibromofluoromethane (Surr)	113	6.622	6.622	0.000	93	518402	10.0	10.0	
48 1,1,1-Trichloroethane	97	6.622	6.622	0.000	40	47924	0.5000	0.5224	
49 Cyclohexane	56	6.720	6.714	0.006	92	55219	0.5000	0.5036	
50 Carbon tetrachloride	117	6.830	6.830	0.000	94	38434	0.5000	0.5021	
51 1,1-Dichloropropene	75	6.842	6.842	0.000	96	43115	0.5000	0.5058	
52 Isobutyl alcohol	41	7.025	7.031	-0.006	92	27067	25.0	23.8	
$ 53 1,2-Dichloroethane-d4 (Surr)	102	7.073	7.080	-0.007	0	107097	10.0	10.0	
54 Benzene	78	7.104	7.104	0.000	95	127165	0.5000	0.5148	
55 1,2-Dichloroethane	62	7.183	7.171	0.012	97	38607	0.5000	0.5245	
56 Tert-amyl methyl ether	73	7.299	7.299	0.000	98	90424	0.5000	0.5086	
* 57 Fluorobenzene (IS)	96	7.512	7.512	0.000	98	2186974	10.0	10.0	
58 n-Heptane	43	7.519	7.525	-0.006	38	49882	0.5000	0.4986	
59 n-Butanol	56	7.939	7.927	0.012	89	45459	50.0	47.2	
60 Trichloroethene	95	8.000	7.994	0.006	98	31990	0.5000	0.5110	
61 Methylcyclohexane	83	8.299	8.299	0.000	92	56435	0.5000	0.5036	
62 1,2-Dichloropropane	63	8.329	8.335	-0.006	93	32475	0.5000	0.5088	
63 2-ethoxy-2-methyl butane	87	8.342	8.342	0.000	90	49965	0.5000	0.5038	
64 Methyl methacrylate	69	8.445	8.433	0.012	92	15099	0.5000	0.4711	
66 Dibromomethane	93	8.445	8.439	0.006	88	14702	0.5000	0.4933	
65 1,4-Dioxane	88	8.439	8.482	-0.043	31	6141	25.0	29.7	M
67 Dichlorobromomethane	83	8.689	8.689	0.000	99	36245	0.5000	0.4906	
68 2-Nitropropane	41	8.976	8.969	0.007	99	45053	5.00	4.30	
71 1-Bromo-2-chloroethane	63	9.085	9.079	0.006	98	31800	0.5000	0.5238	
72 cis-1,3-Dichloropropene	75	9.250	9.250	0.000	94	46348	0.5000	0.4855	
73 4-Methyl-2-pentanone (MIBK)	43	9.439	9.433	0.006	98	212989	5.00	4.82	
$ 74 Toluene-d8 (Surr)	98	9.567	9.561	0.006	94	2161262	10.0	10.0	
75 Toluene	92	9.646	9.640	0.006	97	79287	0.5000	0.5037	
76 trans-1,3-Dichloropropene	75	9.920	9.914	0.006	95	37981	0.5000	0.4735	
78 Ethyl methacrylate	69	9.988	9.981	0.007	90	30786	0.5000	0.4526	
S 77 1,3-Dichloropropene, Total	100				0			0.9591	
79 1,1,2-Trichloroethane	97	10.128	10.122	0.006	91	22332	0.5000	0.5103	
80 Tetrachloroethene	166	10.207	10.201	0.006	96	34486	0.5000	0.5169	
81 1,3-Dichloropropane	76	10.292	10.292	0.000	94	39064	0.5000	0.4999	
82 2-Hexanone	43	10.359	10.353	0.006	98	153300	5.00	4.74	M
83 Chlorodibromomethane	129	10.512	10.506	0.006	89	23068	0.5000	0.4687	
84 Ethylene Dibromide	107	10.622	10.615	0.007	98	20961	0.5000	0.4965	M
* 85 Chlorobenzene-d5 (IS)	117	11.061	11.060	0.000	87	1612013	10.0	10.0	
86 1-Chlorohexane	91	11.073	11.073	0.000	97	46860	0.5000	0.5169	
87 Chlorobenzene	112	11.085	11.085	0.000	94	90818	0.5000	0.5116	
89 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	93	28551	0.5000	0.4821	
90 Ethylbenzene	91	11.176	11.176	0.000	99	153300	0.5000	0.4994	
S 88 Xylenes, Total	106				0			1.51	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
91 m-Xylene & p-Xylene	106	11.292	11.292	0.000	99	119625	1.00	1.00	
92 o-Xylene	106	11.627	11.627	0.000	96	59355	0.5000	0.5008	
93 Styrene	104	11.646	11.646	0.000	95	97913	0.5000	0.4949	
94 Bromoform	173	11.804	11.804	0.000	95	12929	0.5000	0.4621	
95 Isopropylbenzene	105	11.932	11.932	0.000	96	154456	0.5000	0.5026	
$ 98 4-Bromofluorobenzene (Surr)	95	12.079	12.079	0.000	89	824527	10.0	9.98	
99 1,1,2,2-Tetrachloroethane	83	12.188	12.188	0.000	93	27999	0.5000	0.5078	
100 Bromobenzene	156	12.194	12.194	0.000	96	37632	0.5000	0.5070	
101 trans-1,4-Dichloro-2-butene	53	12.213	12.213	0.000	95	76366	5.00	4.73	
102 1,2,3-Trichloropropane	110	12.231	12.231	0.000	80	7579	0.5000	0.5087	
103 N-Propylbenzene	91	12.268	12.268	0.000	99	184191	0.5000	0.5128	
104 2-Chlorotoluene	126	12.341	12.341	0.000	96	38280	0.5000	0.5148	
105 1,3,5-Trimethylbenzene	105	12.408	12.408	0.000	94	131460	0.5000	0.4995	
106 4-Chlorotoluene	126	12.438	12.438	0.000	98	40898	0.5000	0.5256	
107 tert-Butylbenzene	134	12.652	12.646	0.006	93	28261	0.5000	0.4968	
108 Pentachloroethane	167	12.682	12.682	0.000	76	20143	0.5000	0.4916	
109 1,2,4-Trimethylbenzene	105	12.694	12.694	0.000	98	137851	0.5000	0.5062	
110 sec-Butylbenzene	105	12.816	12.816	0.000	94	168319	0.5000	0.4990	
111 1,3-Dichlorobenzene	146	12.914	12.914	0.000	97	72929	0.5000	0.4974	
112 4-Isopropyltoluene	119	12.926	12.926	0.000	98	146440	0.5000	0.4997	
* 113 1,4-Dichlorobenzene-d4	152	12.969	12.969	0.000	96	872465	10.0	10.0	
114 1,4-Dichlorobenzene	146	12.987	12.987	0.000	93	76222	0.5000	0.5060	
115 1,2,3-Trimethylbenzene	120	12.999	12.999	0.000	98	62634	0.5000	0.5176	
116 Benzyl chloride	126	13.072	13.072	0.000	99	8712	0.5000	0.4236	
119 n-Butylbenzene	92	13.219	13.219	0.000	98	72265	0.5000	0.4833	
120 1,2-Dichlorobenzene	146	13.255	13.249	0.006	97	69431	0.5000	0.5027	
118 p-Diethylbenzene	119	13.273	13.273	0.000	86	79873	0.5000	0.5330	
123 1,2-Dibromo-3-Chloropropane	155	13.810	13.804	0.006	81	3514	0.5000	0.4608	M
124 1,3,5-Trichlorobenzene	180	13.932	13.926	0.006	97	61216	0.5000	0.5088	
125 1,2,4-Trichlorobenzene	180	14.359	14.353	0.006	94	54089	0.5000	0.5004	
126 Hexachlorobutadiene	225	14.438	14.438	0.000	97	26251	0.5000	0.5113	
127 Naphthalene	128	14.548	14.535	0.013	97	95674	0.5000	0.4909	
128 1,2,3-Trichlorobenzene	180	14.688	14.682	0.006	96	48128	0.5000	0.5010	
129 2-Methylnaphthalene	142	15.316	15.304	0.012	91	66474	0.5000	0.4928	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_RV1_826_00041	Amount Added:	2.00	Units: uL	
MSV_RV4_826_00047	Amount Added:	2.00	Units: uL	
MSV_RV4GAS826_00118	Amount Added:	2.00	Units: uL	
MSV_HP25_ISSS_00023	Amount Added:	1.00	Units: uL	Run Reagent

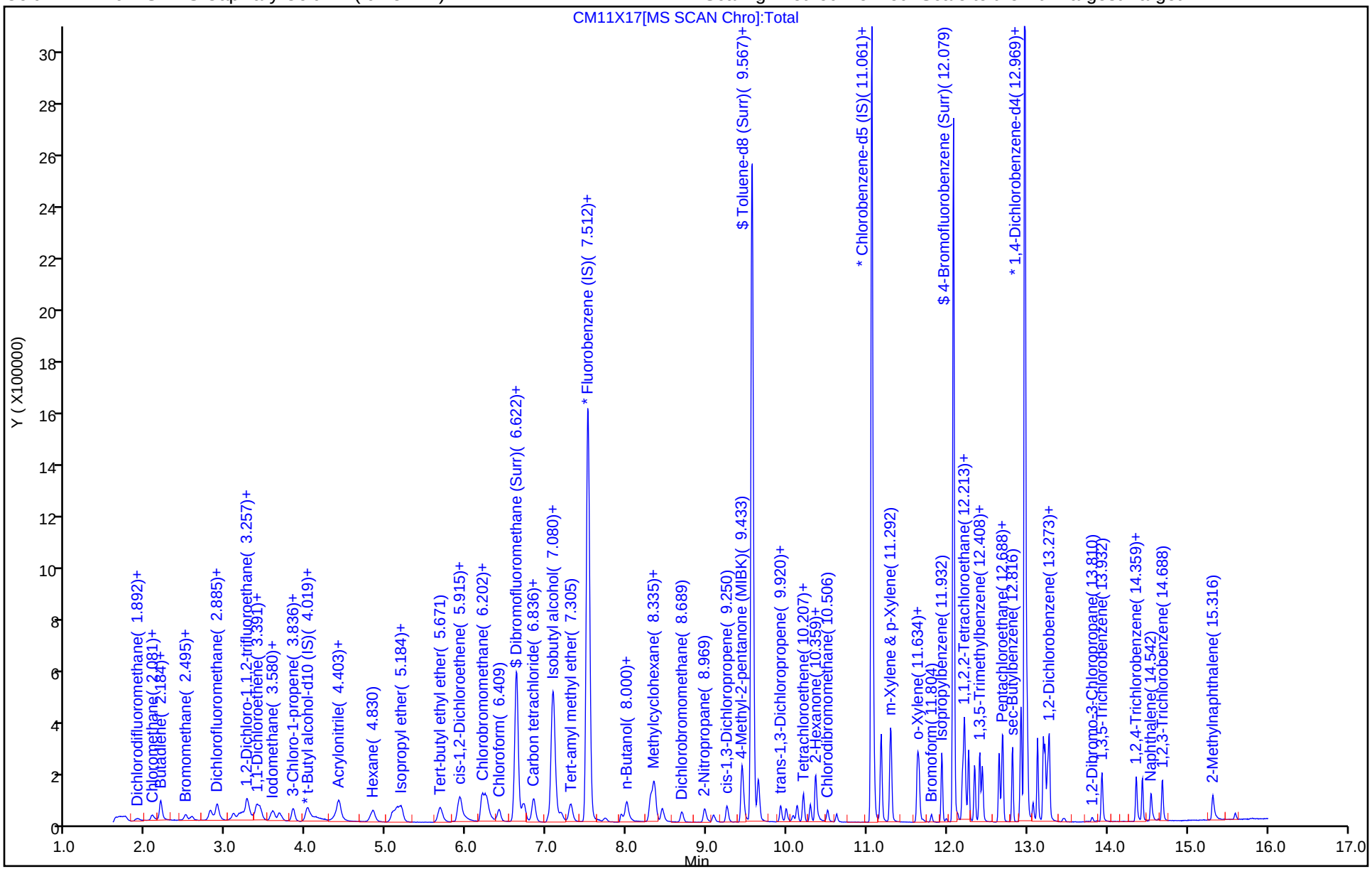
Report Date: 23-Mar-2021 16:56:41 Chrom Revision: 2.3 19-Mar-2021 08:24:58

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X17.D

Injection Date:	11-Mar-2021 21:18:30	Instrument ID:	10193	Operator ID:	SRK36897
Lims ID:	IC STD.5 Lg			Worklist Smp#:	17
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

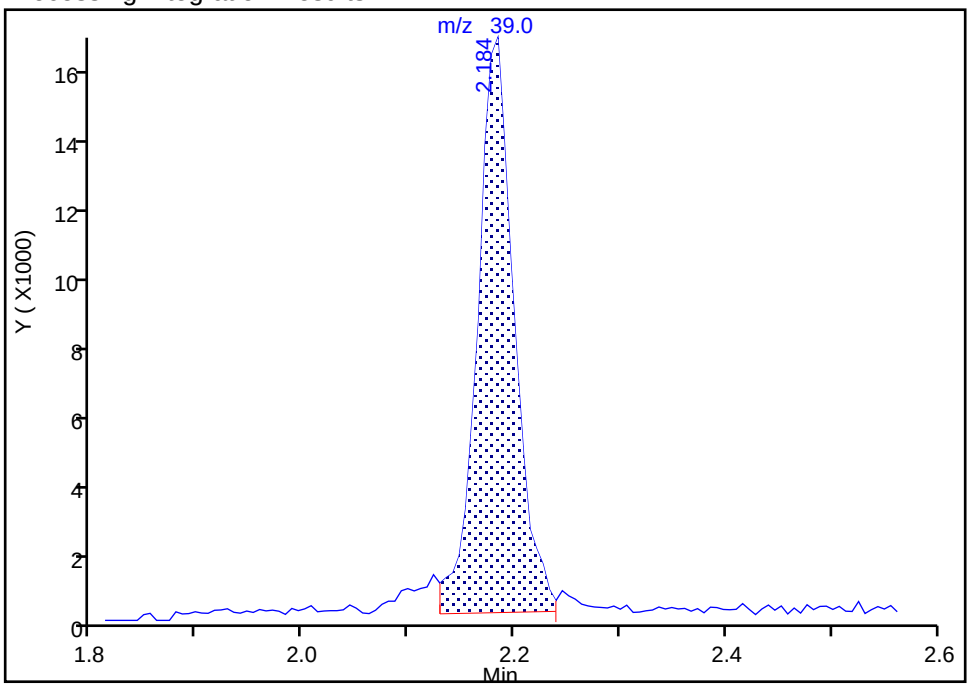
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X17.D				
Injection Date:	11-Mar-2021 21:18:30	Instrument ID:	10193		
Lims ID:	IC STD.5 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

4 Butadiene, CAS: 106-99-0

Signal: 1

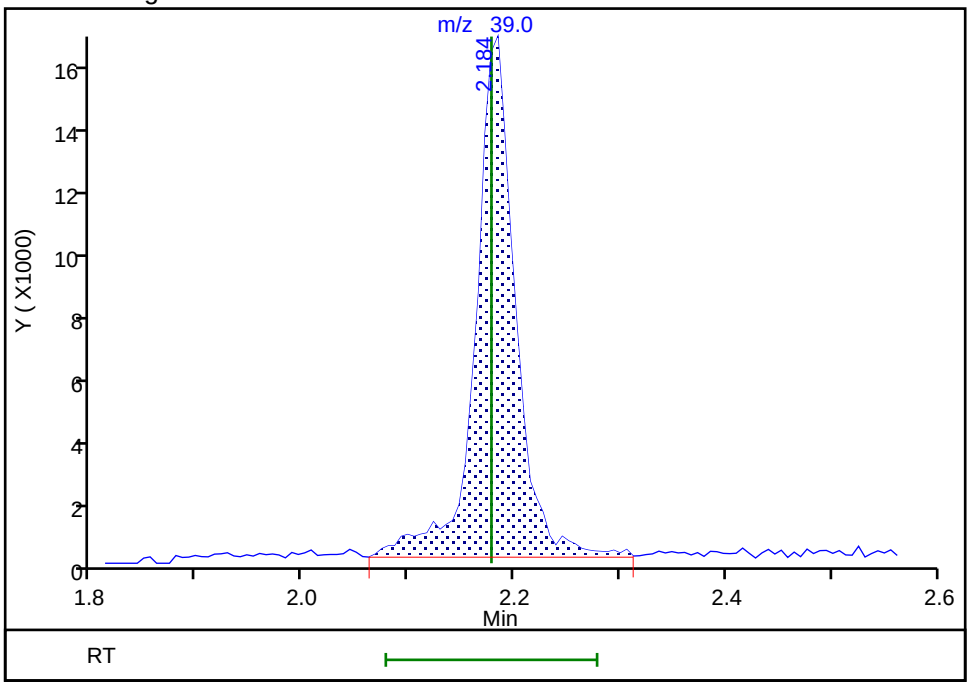
Processing Integration Results

RT: 2.18
Area: 38680
Amount: 0.499796
Amount Units: ug/l



Manual Integration Results

RT: 2.18
Area: 42056
Amount: 0.536729
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 12:10:09

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

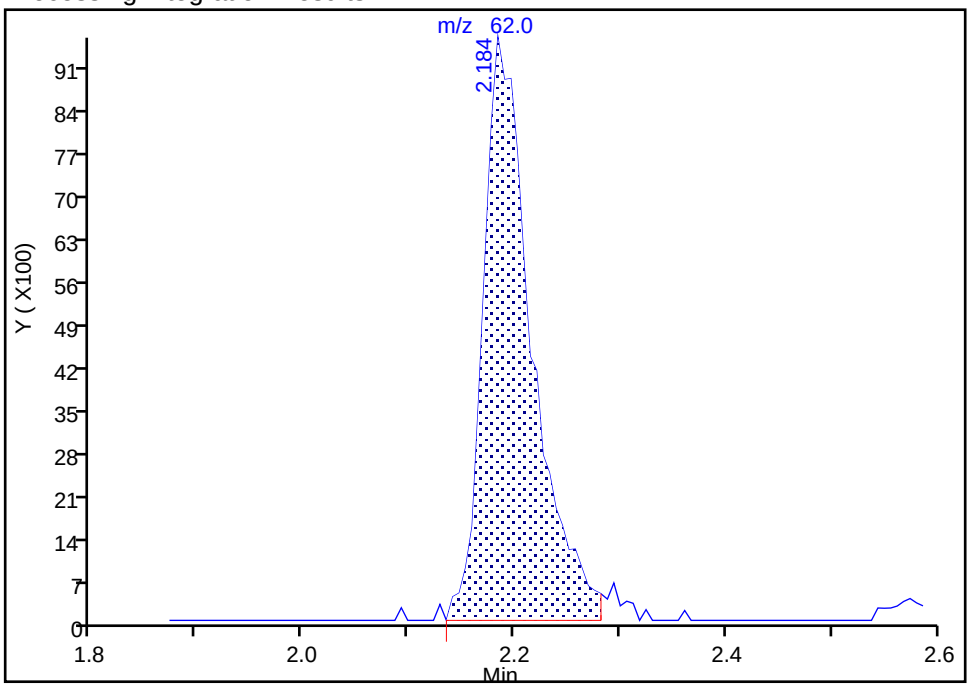
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X17.D				
Injection Date:	11-Mar-2021 21:18:30	Instrument ID:	10193		
Lims ID:	IC STD.5 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

5 Vinyl chloride, CAS: 75-01-4

Signal: 1

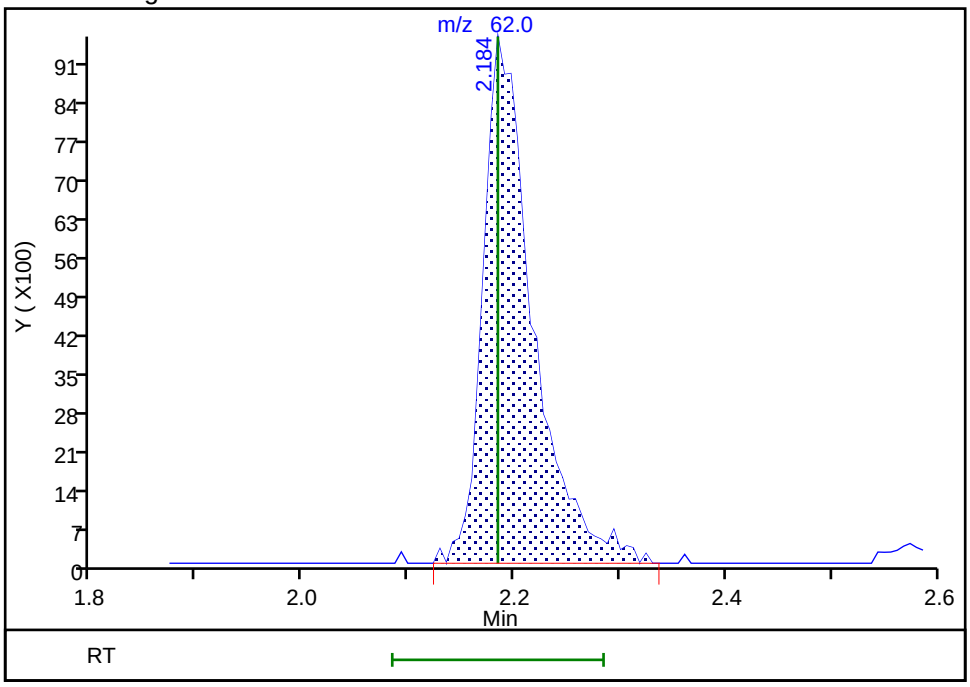
Processing Integration Results

RT: 2.18
Area: 30508
Amount: 0.375569
Amount Units: ug/l



Manual Integration Results

RT: 2.18
Area: 31326
Amount: 0.480322
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 12:12:22

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

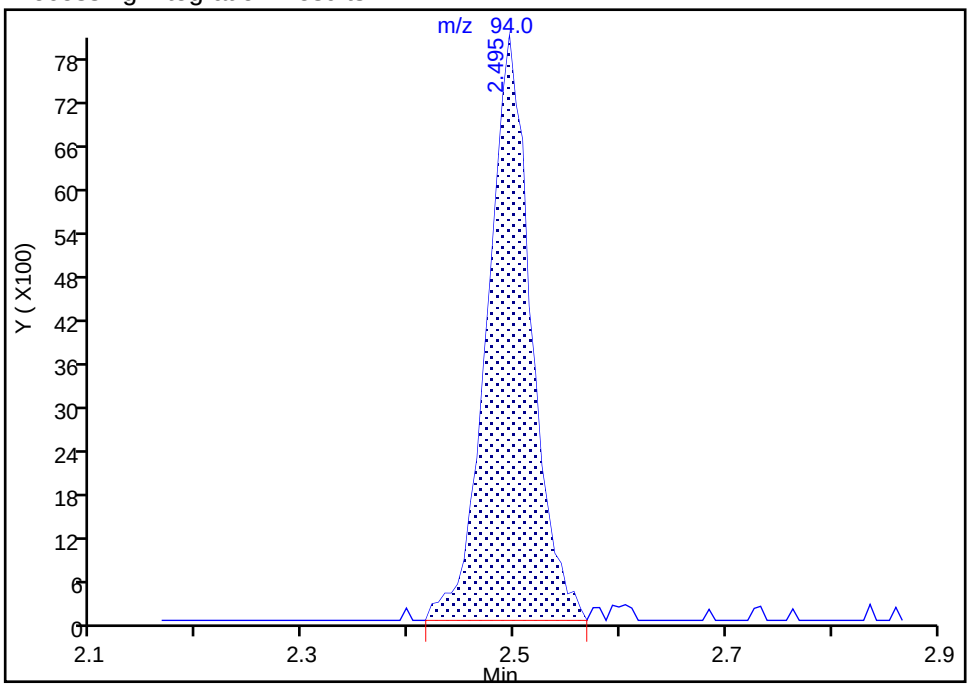
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X17.D				
Injection Date:	11-Mar-2021 21:18:30	Instrument ID:	10193		
Lims ID:	IC STD.5 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

6 Bromomethane, CAS: 74-83-9

Signal: 1

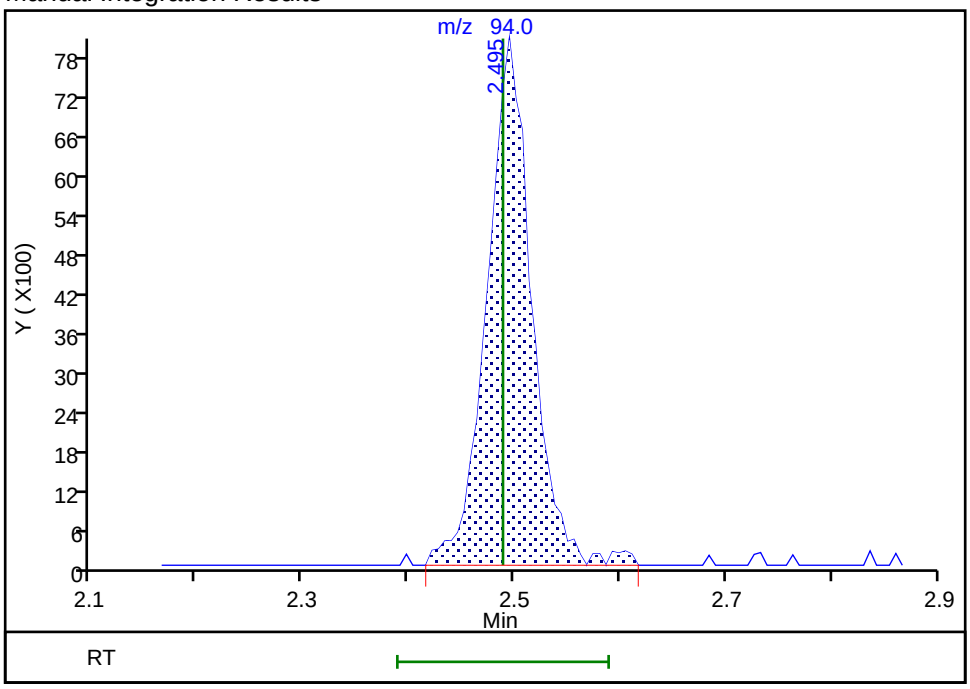
Processing Integration Results

RT: 2.50
Area: 23258
Amount: 0.397720
Amount Units: ug/l



Manual Integration Results

RT: 2.50
Area: 23670
Amount: 0.504686
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 12:12:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

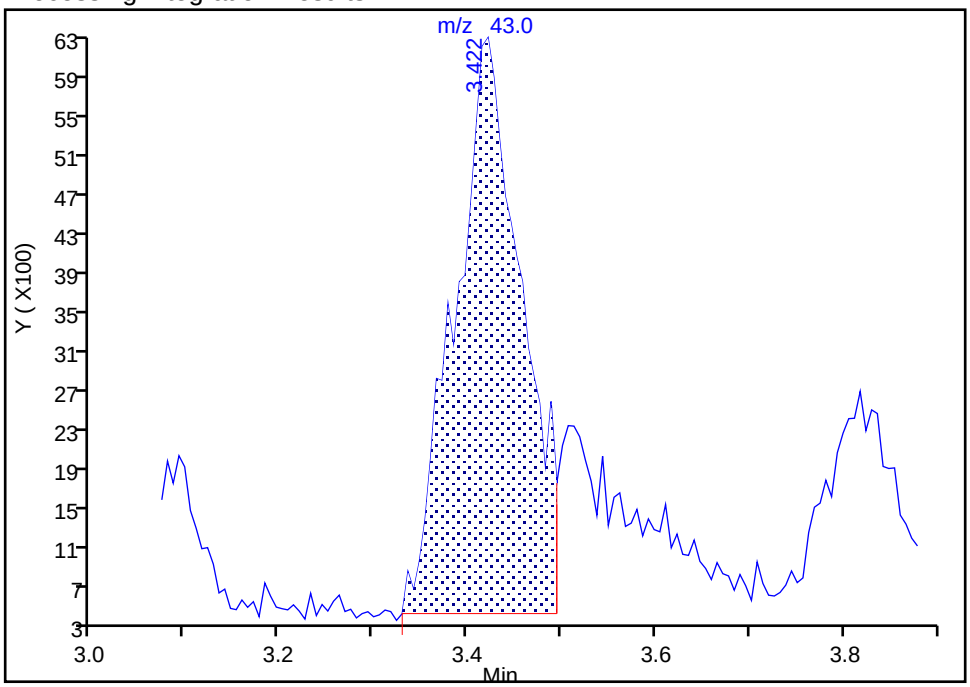
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X17.D
Injection Date: 11-Mar-2021 21:18:30 Instrument ID: 10193
Lims ID: IC STD.5 Lg
Client ID:
Operator ID: SRK36897 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

16 Acetone, CAS: 67-64-1

Signal: 1

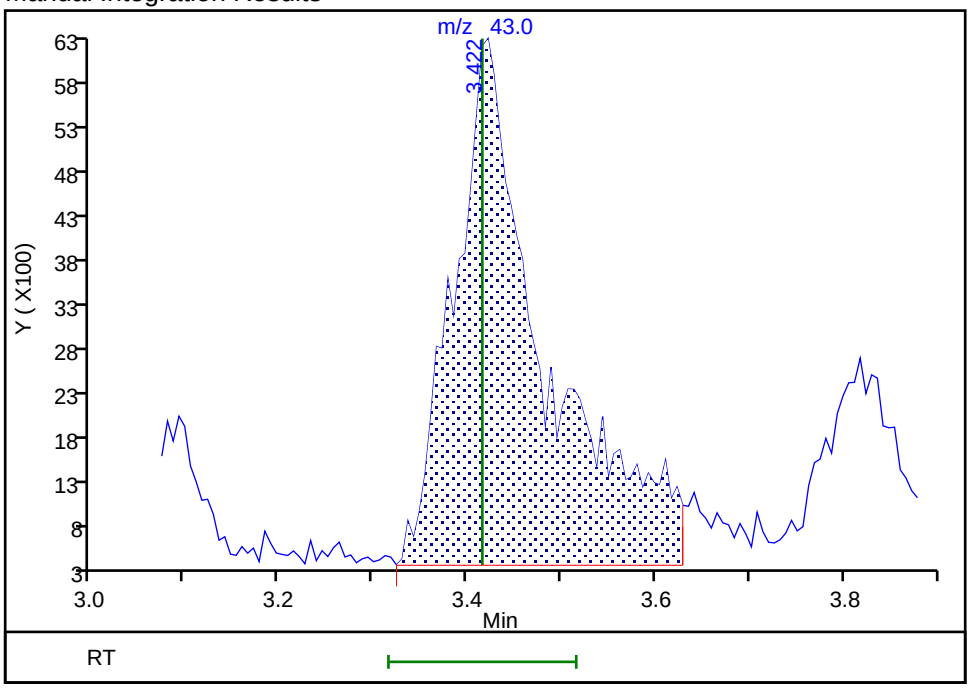
Processing Integration Results

RT: 3.42
Area: 29138
Amount: 3.846804
Amount Units: ug/l



Manual Integration Results

RT: 3.42
Area: 39833
Amount: 5.040336
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 09:35:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

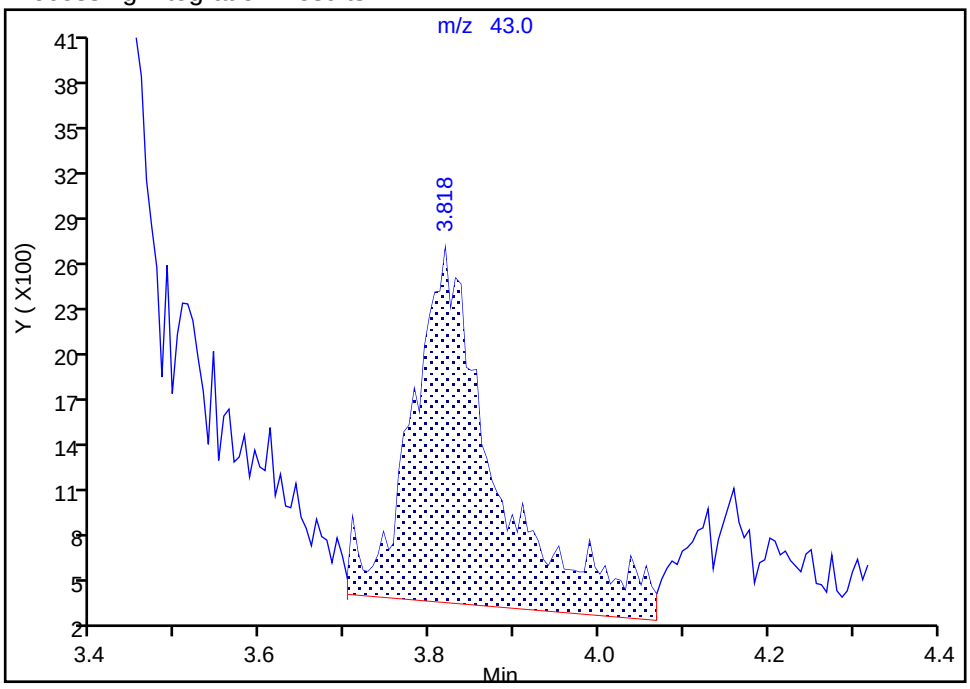
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X17.D				
Injection Date:	11-Mar-2021 21:18:30	Instrument ID:	10193		
Lims ID:	IC STD.5 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

22 Methyl acetate, CAS: 79-20-9

Signal: 1

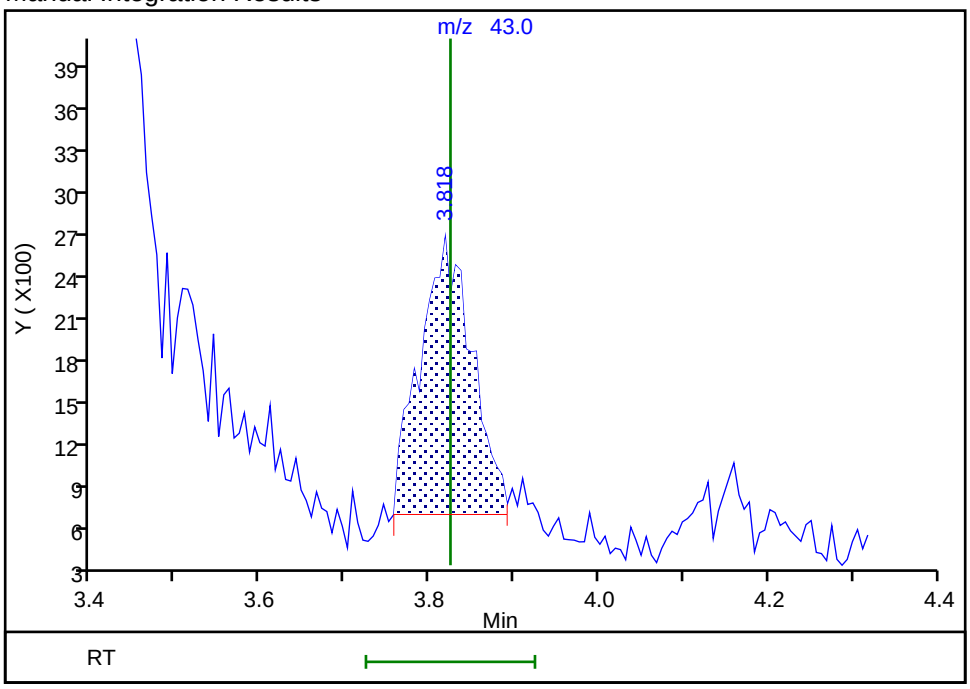
Processing Integration Results

RT: 3.82
Area: 15827
Amount: 0.965731
Amount Units: ug/l



Manual Integration Results

RT: 3.82
Area: 8102
Amount: 0.467556
Amount Units: ug/l



Reviewer: knouses, 23-Mar-2021 12:25:14
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

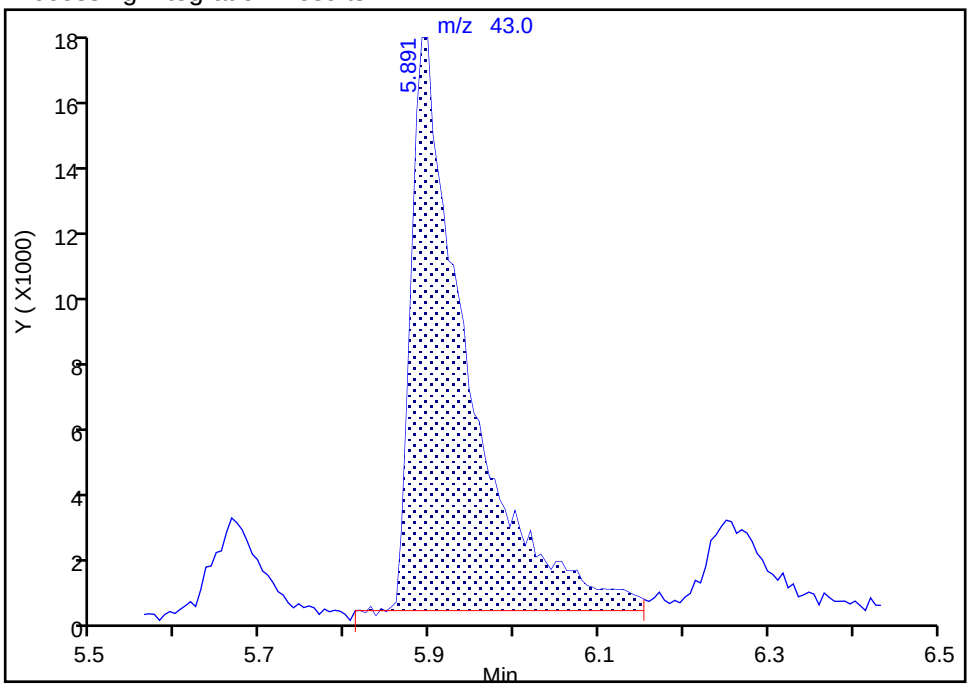
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X17.D				
Injection Date:	11-Mar-2021 21:18:30	Instrument ID:	10193		
Lims ID:	IC STD.5 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

36 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

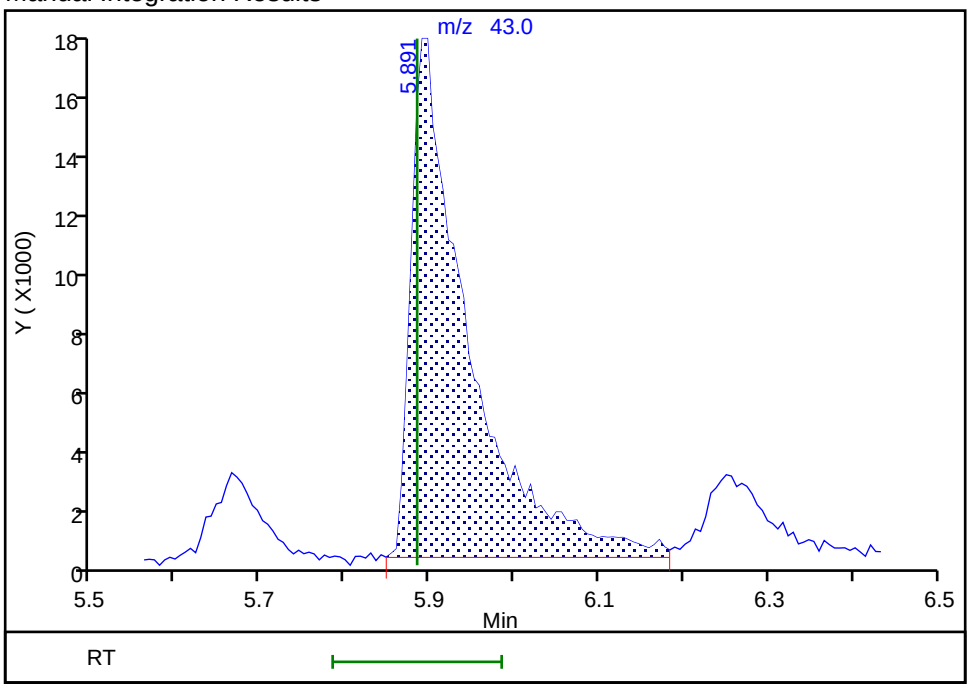
Processing Integration Results

RT: 5.89
Area: 77519
Amount: 4.951846
Amount Units: ug/l



Manual Integration Results

RT: 5.89
Area: 78803
Amount: 4.906559
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 09:38:30

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

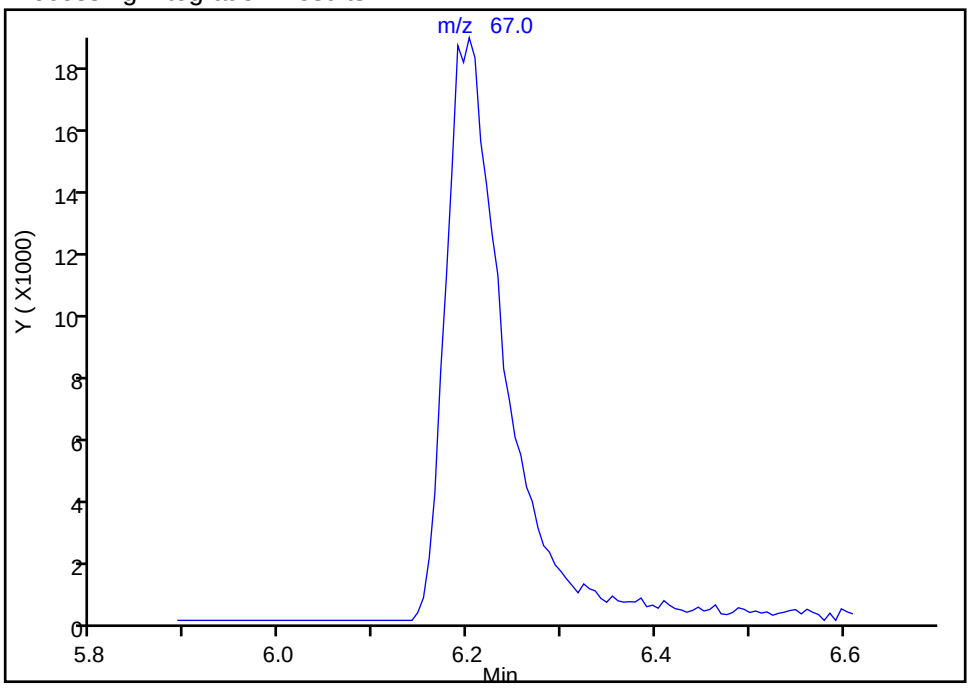
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X17.D				
Injection Date:	11-Mar-2021 21:18:30	Instrument ID:	10193		
Lims ID:	IC STD.5 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

43 Methacrylonitrile, CAS: 126-98-7

Signal: 1

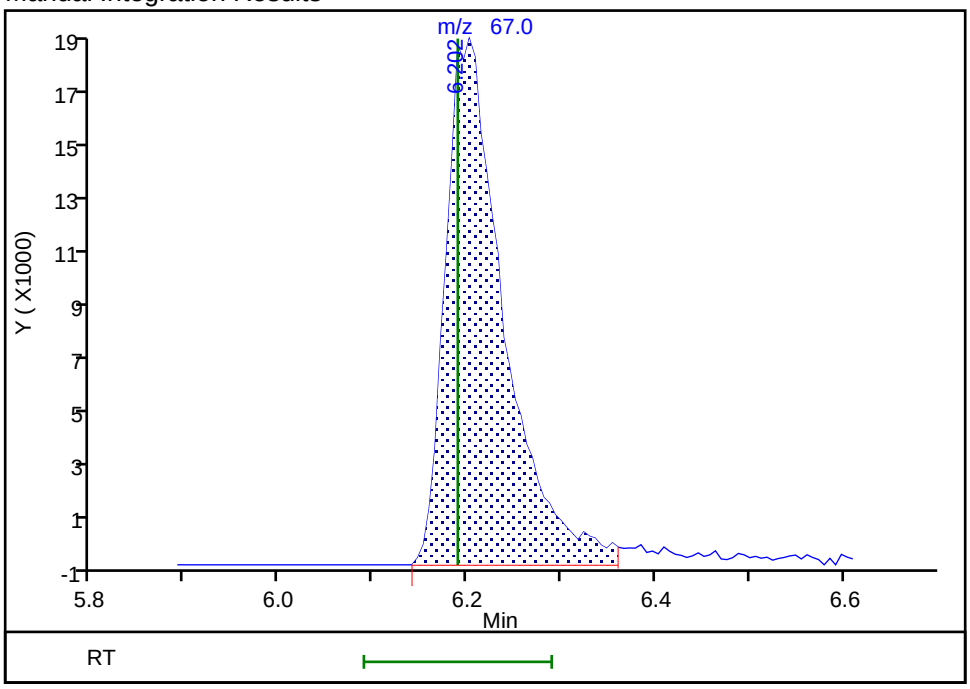
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.20
Area: 78755
Amount: 4.969385
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 09:39:02
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

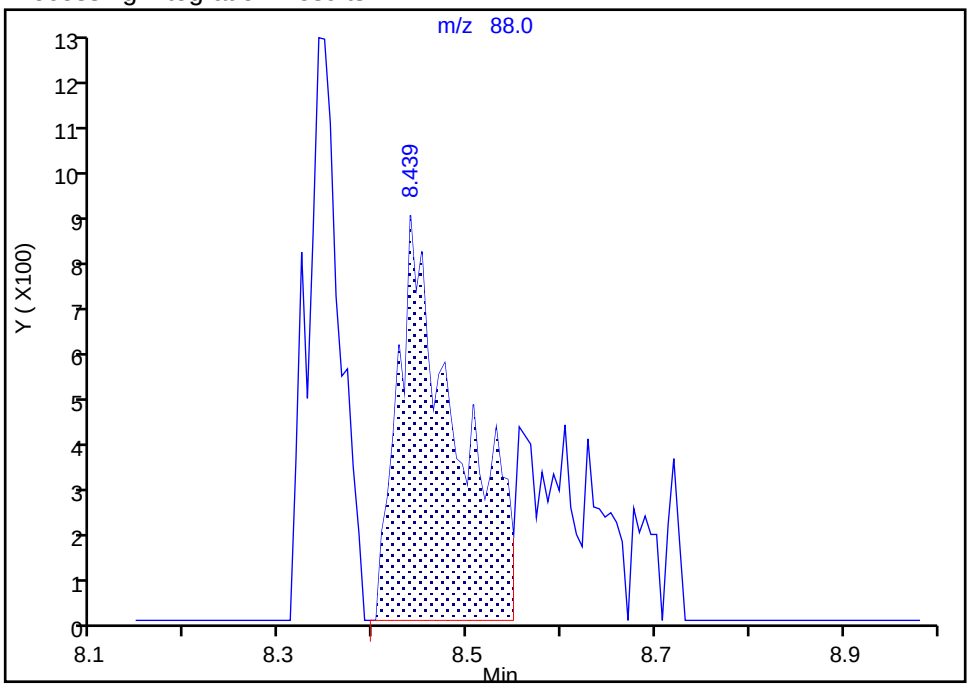
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X17.D				
Injection Date:	11-Mar-2021 21:18:30	Instrument ID:	10193		
Lims ID:	IC STD.5 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

65 1,4-Dioxane, CAS: 123-91-1

Signal: 1

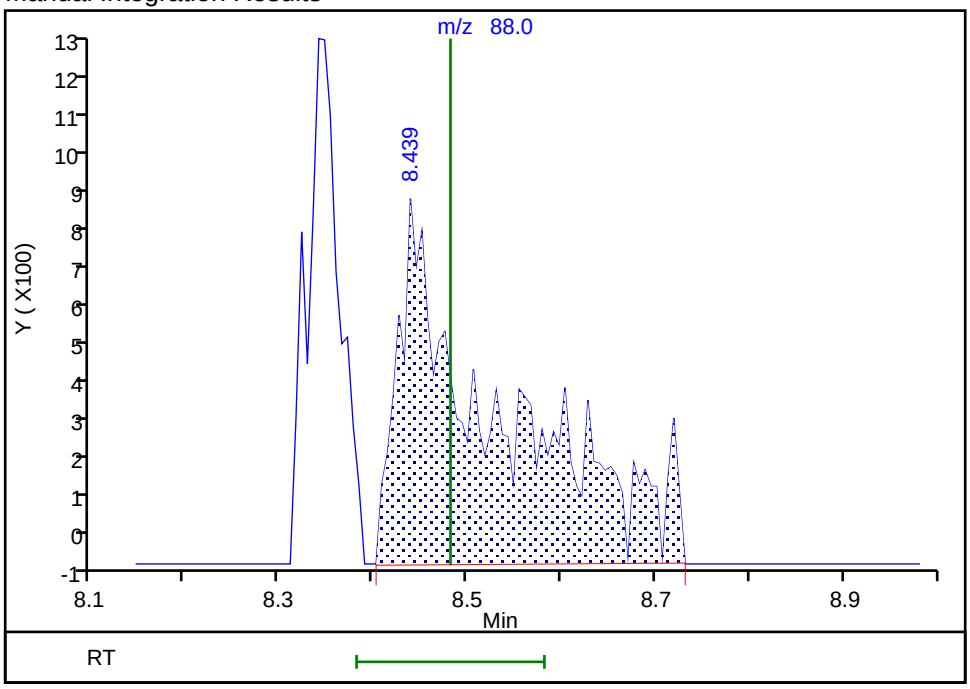
Processing Integration Results

RT: 8.44
Area: 3650
Amount: 22.044795
Amount Units: ug/l



Manual Integration Results

RT: 8.44
Area: 6141
Amount: 29.747061
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 09:40:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

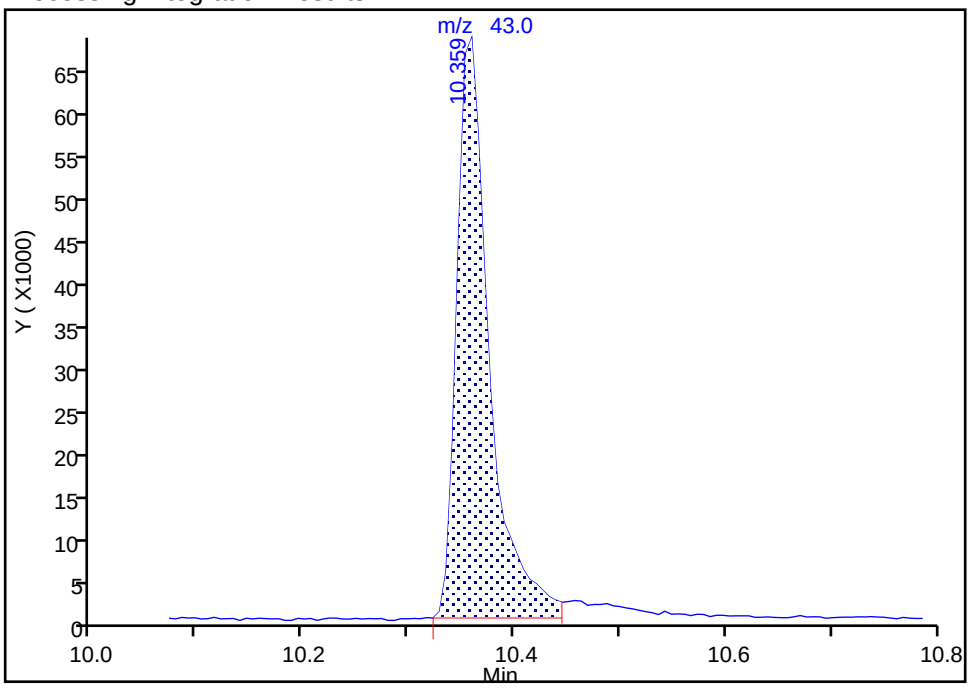
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X17.D
Injection Date: 11-Mar-2021 21:18:30 Instrument ID: 10193
Lims ID: IC STD.5 Lg
Client ID:
Operator ID: SRK36897 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

82 2-Hexanone, CAS: 591-78-6

Signal: 1

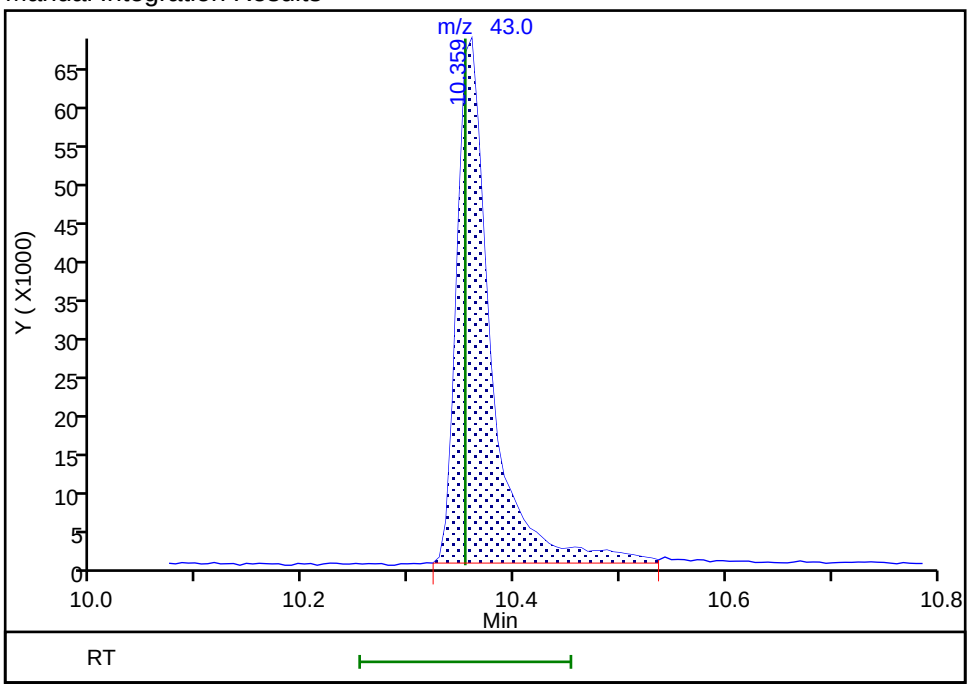
Processing Integration Results

RT: 10.36
Area: 145985
Amount: 4.691289
Amount Units: ug/l



Manual Integration Results

RT: 10.36
Area: 153300
Amount: 4.738375
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 09:46:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

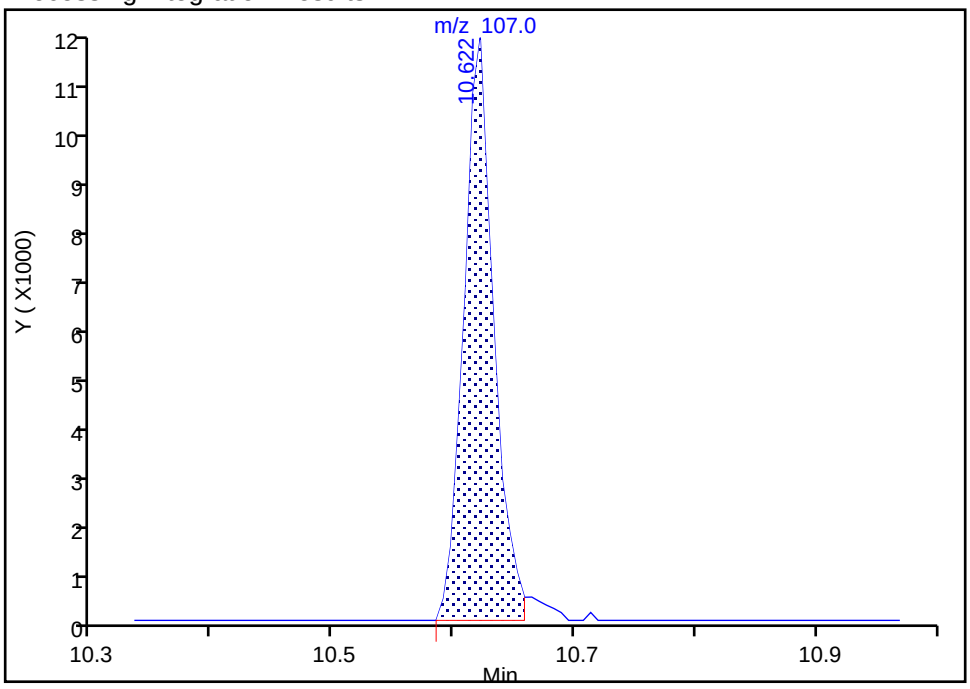
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X17.D				
Injection Date:	11-Mar-2021 21:18:30	Instrument ID:	10193		
Lims ID:	IC STD.5 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

84 Ethylene Dibromide, CAS: 106-93-4

Signal: 1

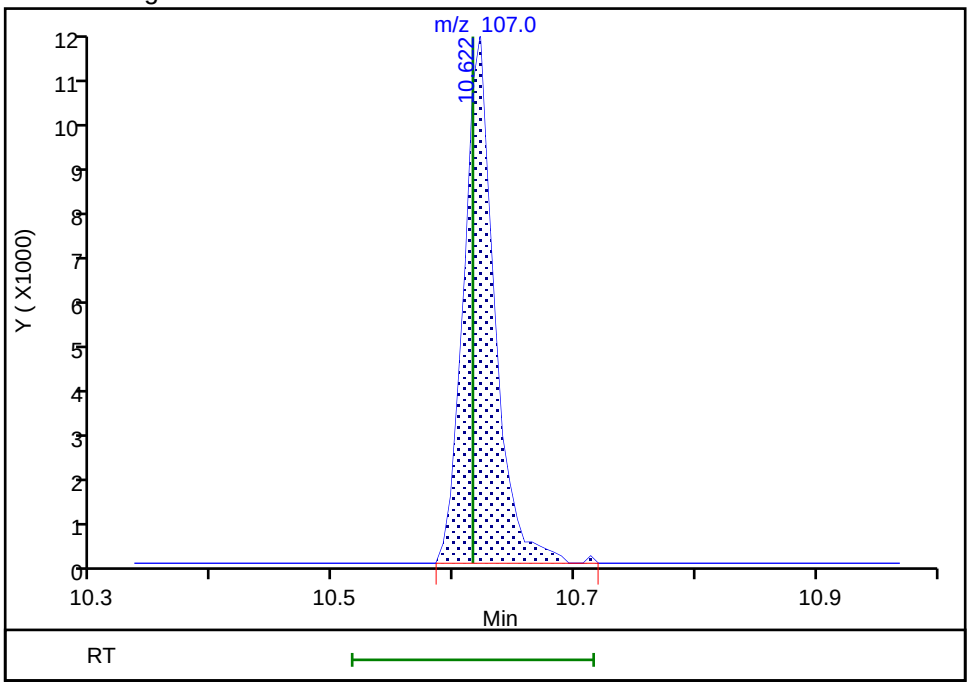
Processing Integration Results

RT: 10.62
Area: 20326
Amount: 0.483522
Amount Units: ug/l



Manual Integration Results

RT: 10.62
Area: 20961
Amount: 0.496485
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 09:46:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

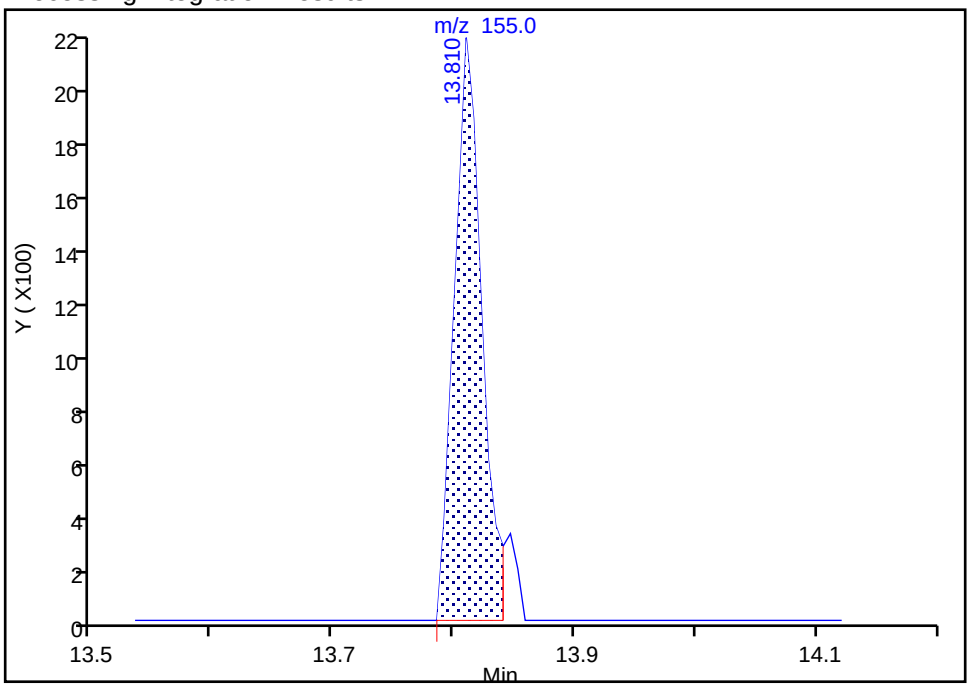
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X17.D
Injection Date: 11-Mar-2021 21:18:30 Instrument ID: 10193
Lims ID: IC STD.5 Lg
Client ID:
Operator ID: SRK36897 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

123 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

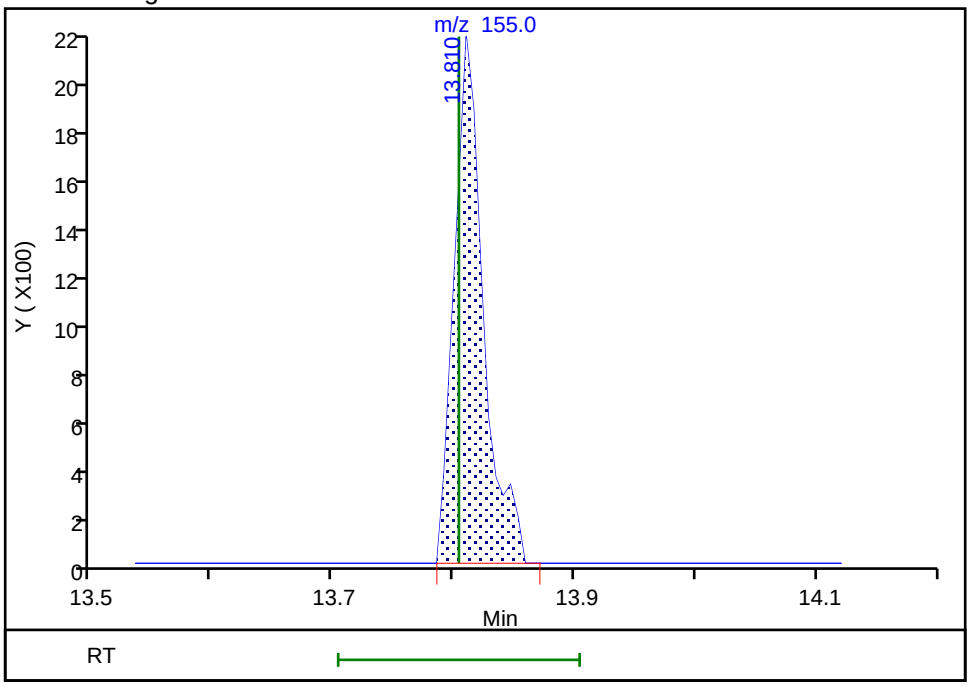
Processing Integration Results

RT: 13.81
Area: 3331
Amount: 0.439824
Amount Units: ug/l



Manual Integration Results

RT: 13.81
Area: 3514
Amount: 0.460806
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 09:46:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D
Lims ID: IC STD.2 Lg
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 11-Mar-2021 21:40:30 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0023820-018
Misc. Info.: ICV LG
Operator ID: SRK36897 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 23-Mar-2021 16:56:53 Calib Date: 11-Mar-2021 21:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1638

First Level Reviewer: knouses Date: 12-Mar-2021 10:55:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.879	1.879	0.000	30	4909	0.2000	0.0865	
3 Chloromethane	50	2.080	2.074	0.006	98	16127	0.2000	0.2299	
4 Butadiene	39	2.184	2.178	0.006	91	15497	0.2000	0.2013	M
5 Vinyl chloride	62	2.184	2.184	0.000	69	11671	0.2000	0.1821	
6 Bromomethane	94	2.495	2.489	0.006	90	10263	0.2000	0.2227	
7 Chloroethane	64	2.568	2.562	0.006	98	8651	0.2000	0.2060	
8 Dichlorofluoromethane	67	2.800	2.800	0.000	97	20597	0.2000	0.2129	
9 Trichlorofluoromethane	101	2.861	2.861	0.000	98	8323	0.2000	0.0952	
11 Ethyl ether	59	3.086	3.086	0.000	93	9230	0.2000	0.1947	
12 1,2-Dichloro-1,1,2-trifluoroetha	67	3.172	3.172	0.000	92	12692	0.2000	0.1853	
13 Acrolein	56	3.257	3.257	0.000	99	62338	10.0	9.14	
14 1,1-Dichloroethene	96	3.385	3.379	0.006	97	9628	0.2000	0.1952	
15 112TCTFE	101	3.416	3.410	0.006	87	8566	0.2000	0.1595	
16 Acetone	43	3.422	3.416	0.006	42	14655	2.00	1.82	M
17 Iodomethane	142	3.568	3.562	0.006	100	18991	0.2000	0.1971	
18 Isopropyl alcohol	45	3.562	3.586	-0.024	37	8354	4.00	4.37	
19 Ethyl bromide	108	3.592	3.592	0.000	94	7881	0.2001	0.1906	M
20 Carbon disulfide	76	3.672	3.659	0.013	99	31322	0.2000	0.1860	
22 Methyl acetate	43	3.818	3.824	-0.006	27	3047	0.2000	0.1727	M
23 3-Chloro-1-propene	41	3.824	3.830	-0.006	88	19050	0.2000	0.2089	M
24 Methylene Chloride	84	4.013	4.007	0.006	96	11365	0.2000	0.2053	M
* 25 t-Butyl alcohol-d10 (IS)	65	4.068	4.050	0.018	0	174165	50.0	50.0	
26 2-Methyl-2-propanol	59	4.141	4.165	-0.024	44	12195	4.00	3.92	M
27 Acrylonitrile	53	4.354	4.354	0.000	96	9792	1.00	0.8567	
28 Methyl tert-butyl ether	73	4.403	4.391	0.012	95	31742	0.2000	0.1951	
29 trans-1,2-Dichloroethene	96	4.409	4.403	0.006	96	11628	0.2000	0.2055	
30 Hexane	57	4.830	4.824	0.006	92	14981	0.2000	0.1675	
32 1,1-Dichloroethane	63	5.074	5.074	0.000	96	20975	0.2000	0.1958	
33 Isopropyl ether	45	5.141	5.129	0.012	92	39087	0.2000	0.1938	
34 2-Chloro-1,3-butadiene	53	5.184	5.184	0.000	93	18141	0.2000	0.1867	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Tert-butyl ethyl ether	59	5.665	5.665	0.000	98	38483	0.2000	0.1961	M
36 2-Butanone (MEK)	43	5.903	5.885	0.018	98	31693	2.00	1.94	M
37 cis-1,2-Dichloroethene	96	5.921	5.915	0.006	83	12707	0.2000	0.1997	
38 2,2-Dichloropropane	77	5.927	5.921	0.006	62	16422	0.2000	0.1887	M
40 Propionitrile	54	6.007	5.988	0.019	98	16183	4.00	3.75	M
S 42 1,2-Dichloroethene, Total	100				0			0.4052	
43 Methacrylonitrile	67	6.208	6.189	0.019	90	31122	2.00	1.93	M
44 Chlorobromomethane	128	6.244	6.244	0.000	87	5501	0.2000	0.1945	
45 Tetrahydrofuran	71	6.275	6.250	0.025	60	8374	2.00	1.78	M
46 Chloroform	83	6.409	6.403	0.006	95	20269	0.2000	0.1978	
$ 47 Dibromofluoromethane (Surr)	113	6.622	6.622	0.000	93	506093	10.0	9.95	
48 1,1,1-Trichloroethane	97	6.616	6.622	-0.006	45	16721	0.2000	0.1855	
49 Cyclohexane	56	6.720	6.714	0.006	93	18772	0.2000	0.1742	
50 Carbon tetrachloride	117	6.836	6.830	0.006	78	12915	0.2000	0.1717	
51 1,1-Dichloropropene	75	6.848	6.842	0.006	93	16022	0.2000	0.1913	
52 Isobutyl alcohol	41	7.043	7.031	0.012	78	11714	10.0	10.1	M
$ 53 1,2-Dichloroethane-d4 (Surr)	102	7.073	7.080	-0.007	0	104513	10.0	9.97	
54 Benzene	78	7.104	7.104	0.000	94	47305	0.2000	0.1949	
55 1,2-Dichloroethane	62	7.183	7.171	0.012	94	15366	0.2000	0.2124	M
56 Tert-amyl methyl ether	73	7.305	7.299	0.006	97	33265	0.2000	0.1904	M
* 57 Fluorobenzene (IS)	96	7.512	7.512	0.000	98	2149149	10.0	10.0	
58 n-Heptane	43	7.518	7.525	-0.007	37	18909	0.2000	0.1923	M
59 n-Butanol	56	7.951	7.927	0.024	95	16368	20.0	16.7	M
60 Trichloroethene	95	8.000	7.994	0.006	97	11721	0.2000	0.1905	
61 Methylcyclohexane	83	8.305	8.299	0.006	79	8827	0.2000	0.0802	
62 1,2-Dichloropropane	63	8.335	8.335	0.000	89	12070	0.2000	0.1924	
63 2-ethoxy-2-methyl butane	87	8.348	8.342	0.006	94	17827	0.2000	0.1829	
64 Methyl methacrylate	69	8.457	8.433	0.024	87	5968	0.2000	0.1829	M
66 Dibromomethane	93	8.451	8.439	0.012	93	5533	0.2000	0.1889	
65 1,4-Dioxane	88	8.445	8.482	-0.037	30	1384	10.0	6.59	M
67 Dichlorobromomethane	83	8.689	8.689	0.000	98	13700	0.2000	0.1887	
68 2-Nitropropane	41	8.975	8.969	0.006	98	21058	2.00	1.98	M
71 1-Bromo-2-chloroethane	63	9.091	9.079	0.012	99	10904	0.2000	0.1828	
72 cis-1,3-Dichloropropene	75	9.256	9.250	0.006	94	17787	0.2000	0.1896	M
73 4-Methyl-2-pentanone (MIBK)	43	9.439	9.433	0.006	97	77509	2.00	1.72	
$ 74 Toluene-d8 (Surr)	98	9.561	9.561	0.000	94	2123666	10.0	9.99	
75 Toluene	92	9.646	9.640	0.006	97	30140	0.2000	0.1942	
76 trans-1,3-Dichloropropene	75	9.920	9.914	0.006	96	15184	0.2000	0.1920	M
78 Ethyl methacrylate	69	9.994	9.981	0.013	89	12129	0.2000	0.1809	M
S 77 1,3-Dichloropropene, Total	100				0			0.3816	
79 1,1,2-Trichloroethane	97	10.128	10.122	0.006	92	8862	0.2000	0.2054	M
80 Tetrachloroethene	166	10.201	10.201	0.000	95	11980	0.2000	0.1821	
81 1,3-Dichloropropane	76	10.292	10.292	0.000	92	14952	0.2000	0.1941	M
82 2-Hexanone	43	10.365	10.353	0.012	97	63799	2.00	1.94	M
83 Chlorodibromomethane	129	10.506	10.506	0.000	93	8282	0.2000	0.1707	
84 Ethylene Dibromide	107	10.622	10.615	0.007	94	7663	0.2000	0.1841	
* 85 Chlorobenzene-d5 (IS)	117	11.060	11.060	0.000	87	1589174	10.0	10.0	
86 1-Chlorohexane	91	11.073	11.073	0.000	87	18290	0.2000	0.2046	
87 Chlorobenzene	112	11.085	11.085	0.000	95	35087	0.2000	0.2005	
89 1,1,1,2-Tetrachloroethane	131	11.176	11.170	0.006	90	10966	0.2000	0.1878	
90 Ethylbenzene	91	11.176	11.176	0.000	99	57877	0.2000	0.1913	
S 88 Xylenes, Total	106				0			0.5658	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
91 m-Xylene & p-Xylene	106	11.298	11.292	0.006	99	44013	0.4000	0.3749	
92 o-Xylene	106	11.634	11.627	0.007	97	22311	0.2000	0.1910	
93 Styrene	104	11.652	11.646	0.006	95	36816	0.2000	0.1888	M
94 Bromoform	173	11.804	11.804	0.000	95	4521	0.2000	0.1639	
95 Isopropylbenzene	105	11.932	11.932	0.000	96	55459	0.2000	0.1831	
$ 98 4-Bromofluorobenzene (Surr)	95	12.079	12.079	0.000	88	811561	10.0	9.97	
99 1,1,2,2-Tetrachloroethane	83	12.188	12.188	0.000	94	10091	0.2000	0.1843	
100 Bromobenzene	156	12.194	12.194	0.000	94	14812	0.2000	0.2009	
101 trans-1,4-Dichloro-2-butene	53	12.219	12.213	0.006	92	26446	2.00	1.65	
102 1,2,3-Trichloropropane	110	12.237	12.231	0.006	80	2762	0.2000	0.1867	
103 N-Propylbenzene	91	12.268	12.268	0.000	99	66820	0.2000	0.1873	
104 2-Chlorotoluene	126	12.347	12.341	0.006	96	14644	0.2000	0.1983	
105 1,3,5-Trimethylbenzene	105	12.408	12.408	0.000	94	49185	0.2000	0.1882	
106 4-Chlorotoluene	126	12.444	12.438	0.006	97	15024	0.2000	0.1944	
107 tert-Butylbenzene	134	12.652	12.646	0.006	94	11161	0.2000	0.1975	M
108 Pentachloroethane	167	12.682	12.682	0.000	74	7055	0.2000	0.1734	
109 1,2,4-Trimethylbenzene	105	12.694	12.694	0.000	98	49005	0.2000	0.1812	
110 sec-Butylbenzene	105	12.816	12.816	0.000	95	59794	0.2000	0.1785	
111 1,3-Dichlorobenzene	146	12.914	12.914	0.000	97	28076	0.2000	0.1928	
112 4-Isopropyltoluene	119	12.926	12.926	0.000	96	52030	0.2000	0.1788	
* 113 1,4-Dichlorobenzene-d4	152	12.969	12.969	0.000	96	866469	10.0	10.0	
114 1,4-Dichlorobenzene	146	12.987	12.987	0.000	95	30013	0.2000	0.2006	
115 1,2,3-Trimethylbenzene	120	12.999	12.999	0.000	97	24625	0.2000	0.2049	
116 Benzyl chloride	126	13.078	13.072	0.006	99	3024	0.2000	0.1481	
119 n-Butylbenzene	92	13.225	13.219	0.006	97	28518	0.2000	0.1921	M
120 1,2-Dichlorobenzene	146	13.255	13.249	0.006	98	27492	0.2000	0.2004	
118 p-Diethylbenzene	119	13.273	13.273	0.000	86	28594	0.2000	0.1921	M
123 1,2-Dibromo-3-Chloropropane	155	13.810	13.804	0.006	76	1199	0.2000	0.1583	
124 1,3,5-Trichlorobenzene	180	13.938	13.926	0.012	97	23542	0.2000	0.1970	M
125 1,2,4-Trichlorobenzene	180	14.365	14.353	0.012	94	20963	0.2000	0.1953	M
126 Hexachlorobutadiene	225	14.438	14.438	0.000	95	8957	0.2000	0.1757	
127 Naphthalene	128	14.554	14.535	0.019	97	37493	0.2000	0.1937	M
128 1,2,3-Trichlorobenzene	180	14.688	14.682	0.006	95	19725	0.2000	0.2067	M
129 2-Methylnaphthalene	142	15.328	15.304	0.024	92	27865	0.2000	0.2080	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_RV1_826_00041	Amount Added:	2.00	Units: uL	
MSV_RV4_826_00047	Amount Added:	2.00	Units: uL	
MSV_RV4GAS826_00118	Amount Added:	2.00	Units: uL	
MSV_HP25_ISSS_00023	Amount Added:	1.00	Units: uL	Run Reagent

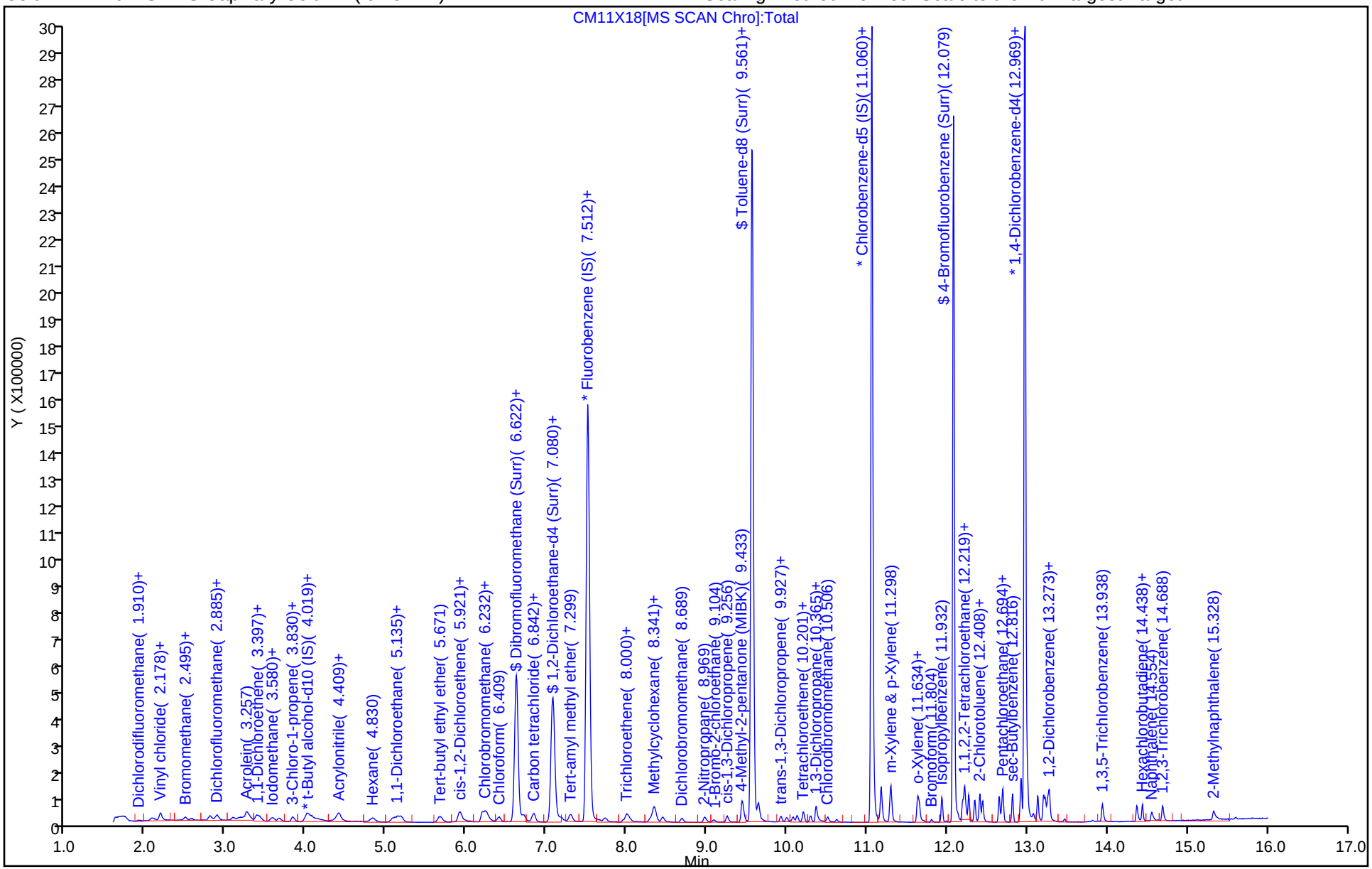
Report Date: 23-Mar-2021 16:56:55 Chrom Revision: 2.3 19-Mar-2021 08:24:58

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D

Injection Date:	11-Mar-2021 21:40:30	Instrument ID:	10193	Operator ID:	SRK36897
Lims ID:	IC STD.2 Lg			Worklist Smp#:	18
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

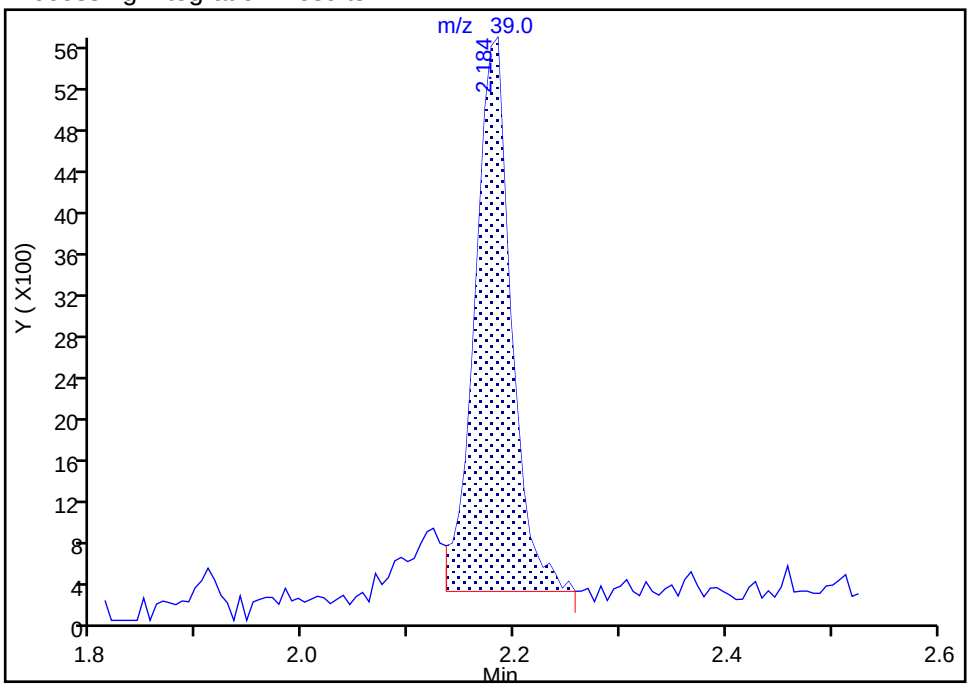
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D				
Injection Date:	11-Mar-2021 21:40:30	Instrument ID:	10193		
Lims ID:	IC STD.2 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

4 Butadiene, CAS: 106-99-0

Signal: 1

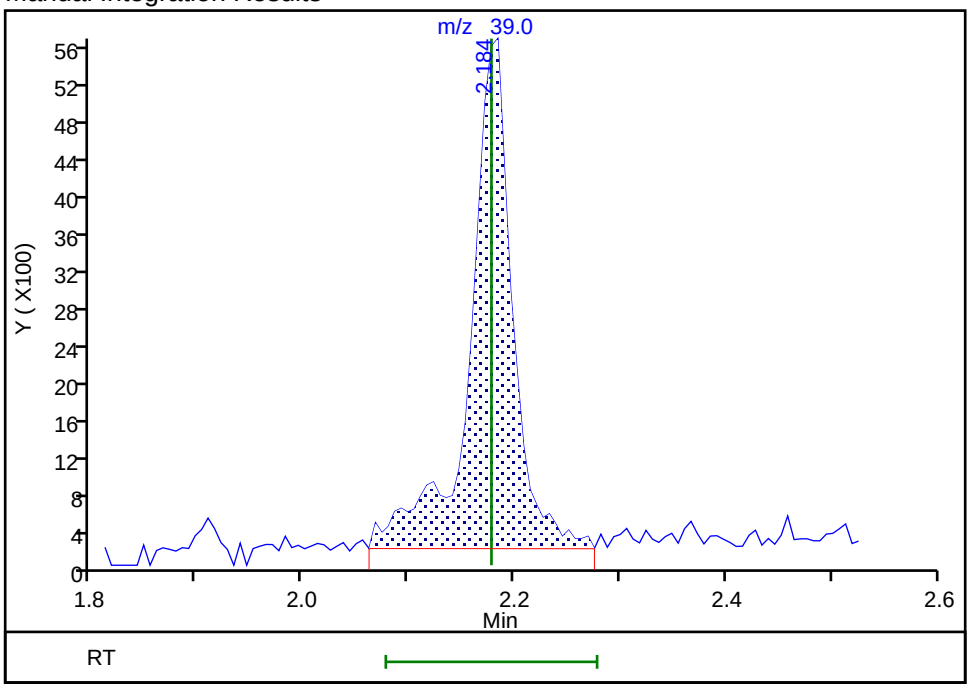
Processing Integration Results

RT: 2.18
Area: 12841
Amount: 0.173162
Amount Units: ug/l



Manual Integration Results

RT: 2.18
Area: 15497
Amount: 0.201257
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 10:46:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

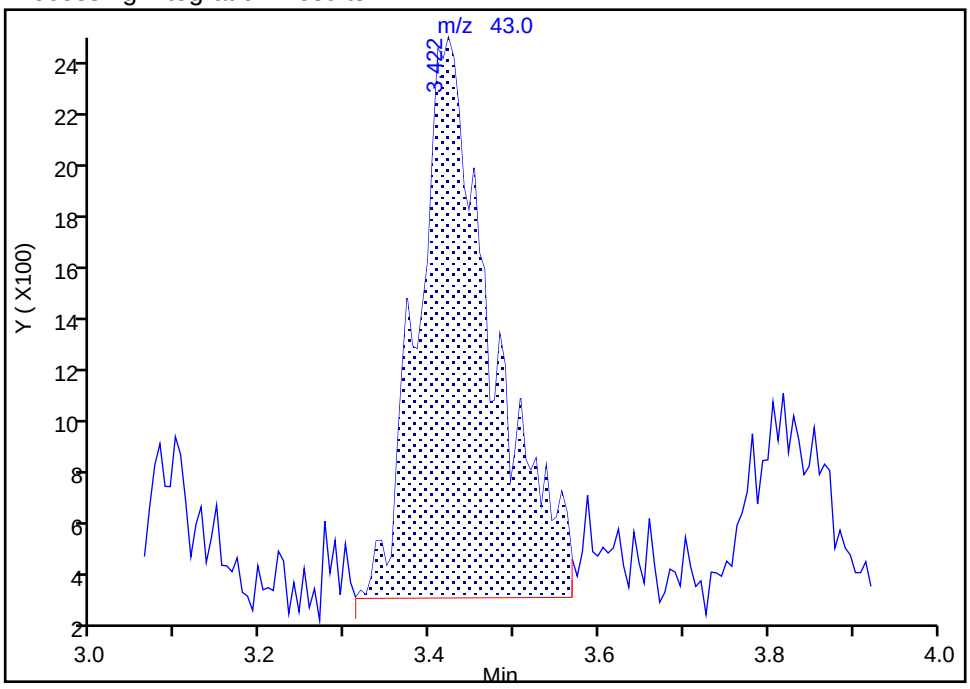
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D
Injection Date: 11-Mar-2021 21:40:30 Instrument ID: 10193
Lims ID: IC STD.2 Lg
Client ID:
Operator ID: SRK36897 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

16 Acetone, CAS: 67-64-1

Signal: 1

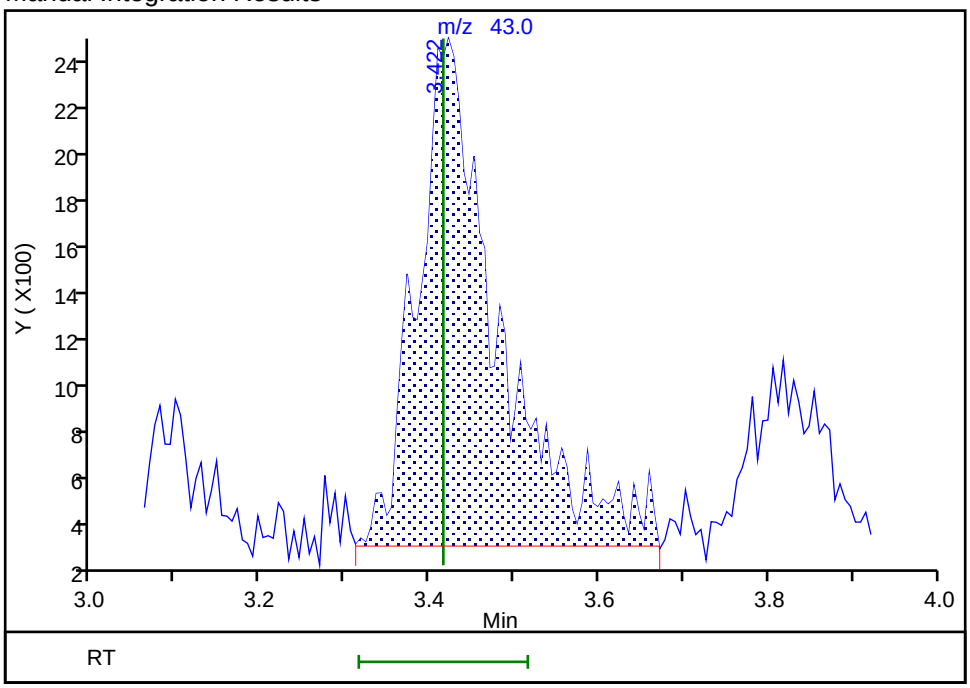
Processing Integration Results

RT: 3.42
Area: 13485
Amount: 1.681014
Amount Units: ug/l



Manual Integration Results

RT: 3.42
Area: 14655
Amount: 1.821623
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 11:47:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

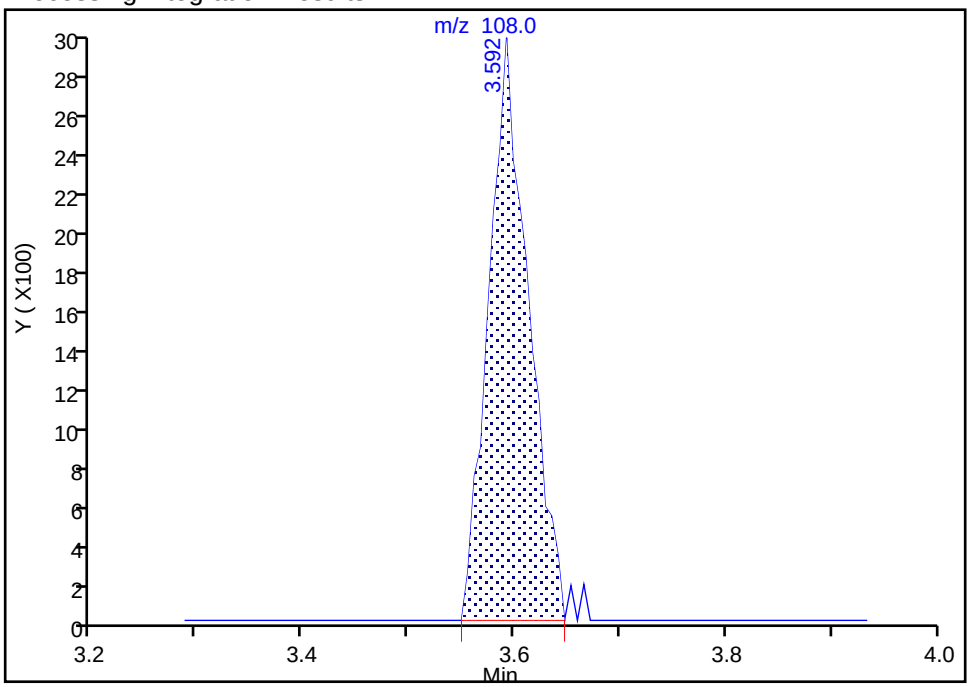
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D
Injection Date: 11-Mar-2021 21:40:30 Instrument ID: 10193
Lims ID: IC STD.2 Lg
Client ID:
Operator ID: SRK36897 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

19 Ethyl bromide, CAS: 74-96-4

Signal: 1

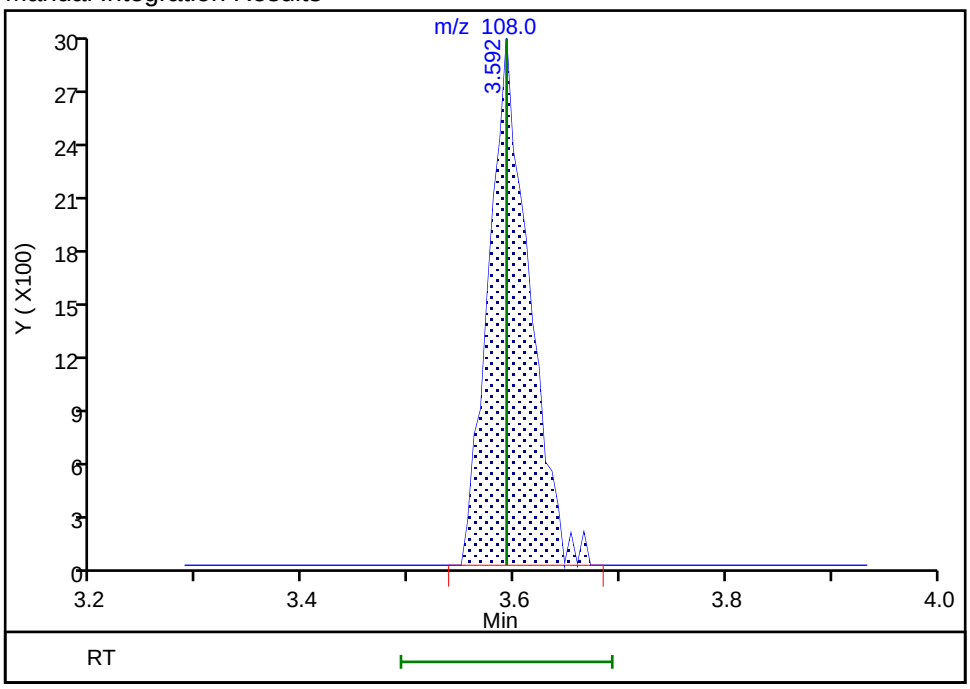
Processing Integration Results

RT: 3.59
Area: 7748
Amount: 0.187824
Amount Units: ug/l



Manual Integration Results

RT: 3.59
Area: 7881
Amount: 0.190610
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 11:49:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

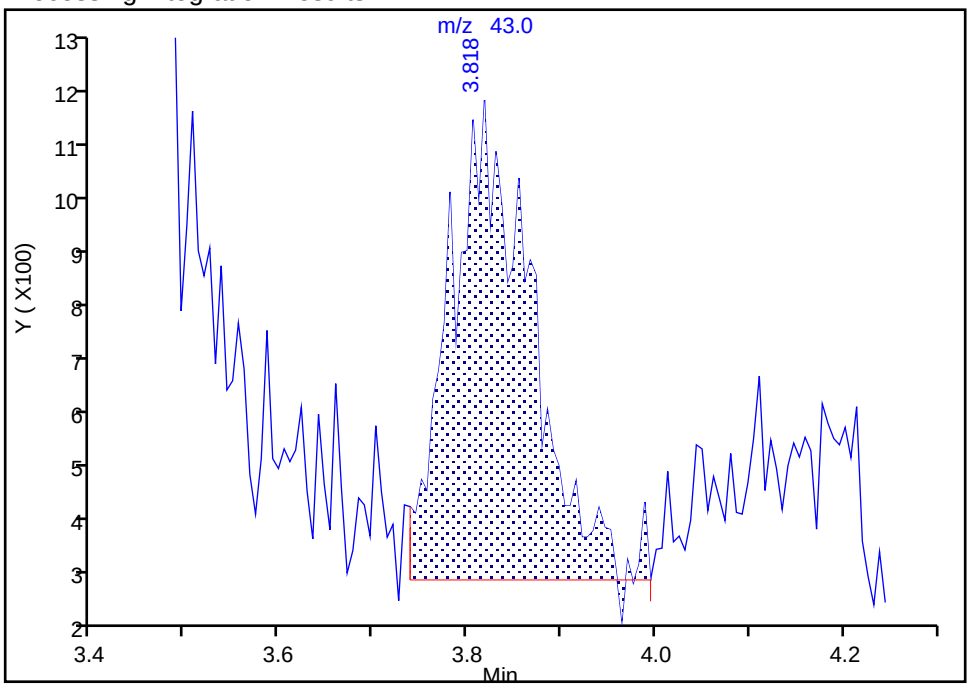
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D				
Injection Date:	11-Mar-2021 21:40:30	Instrument ID:	10193		
Lims ID:	IC STD.2 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

22 Methyl acetate, CAS: 79-20-9

Signal: 1

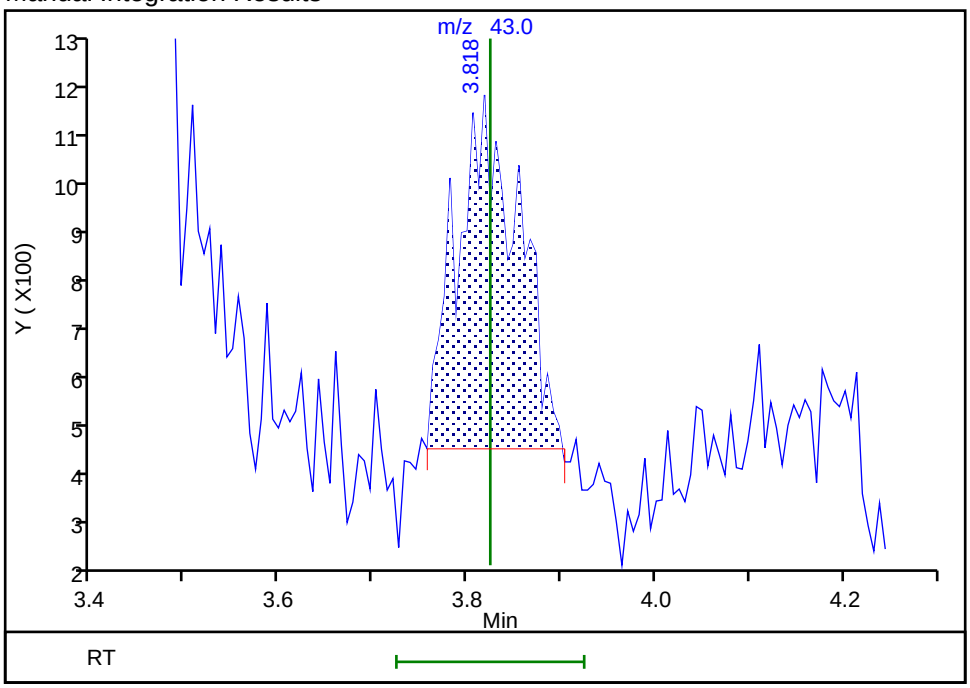
Processing Integration Results

RT: 3.82
Area: 4953
Amount: 0.639304
Amount Units: ug/l



Manual Integration Results

RT: 3.82
Area: 3047
Amount: 0.172731
Amount Units: ug/l



Reviewer: knouses, 23-Mar-2021 12:27:11
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

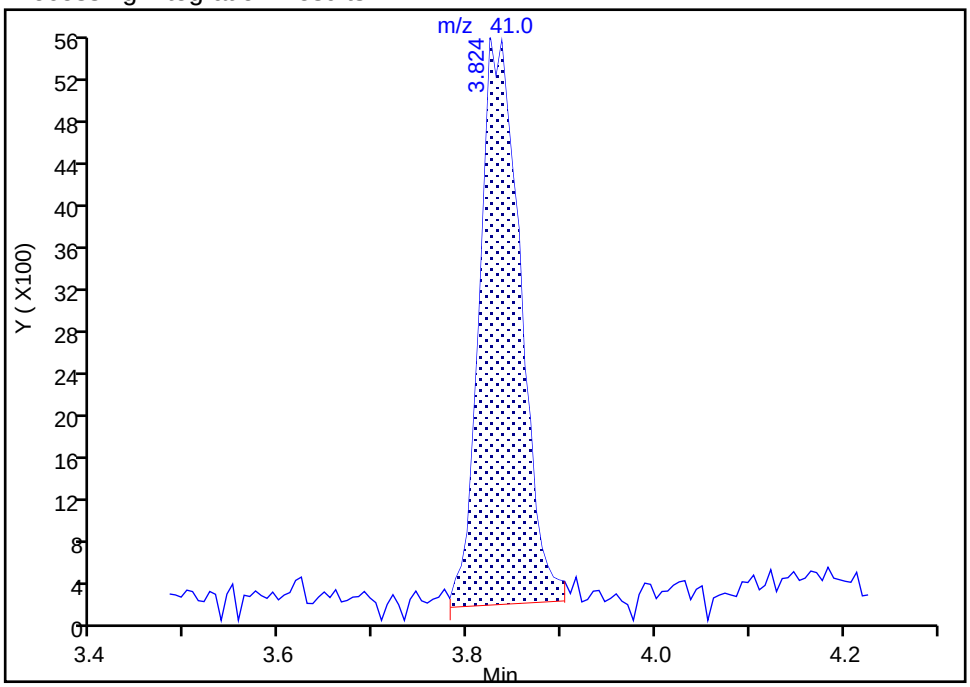
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D
Injection Date: 11-Mar-2021 21:40:30 Instrument ID: 10193
Lims ID: IC STD.2 Lg
Client ID:
Operator ID: SRK36897 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

23 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

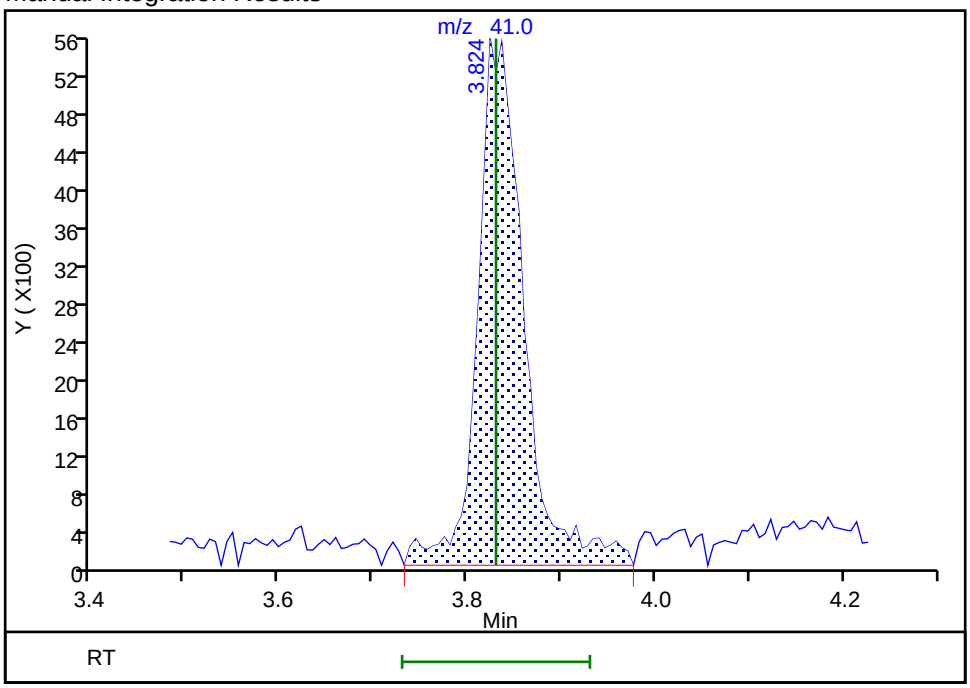
Processing Integration Results

RT: 3.82
Area: 16329
Amount: 0.182970
Amount Units: ug/l



Manual Integration Results

RT: 3.82
Area: 19050
Amount: 0.208910
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 11:52:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

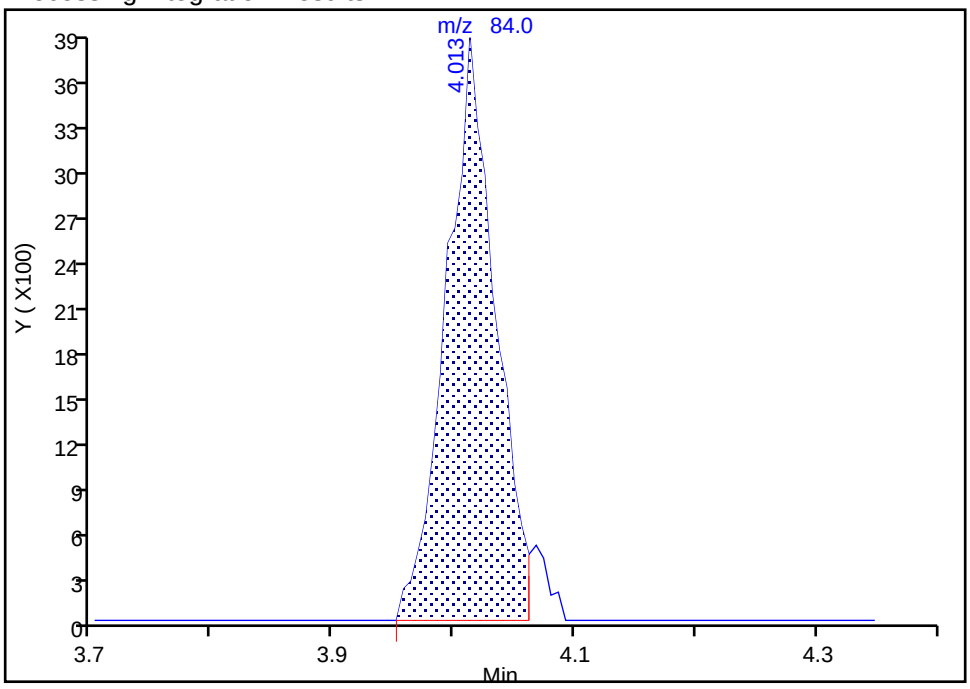
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D				
Injection Date:	11-Mar-2021 21:40:30	Instrument ID:	10193		
Lims ID:	IC STD.2 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

24 Methylene Chloride, CAS: 75-09-2

Signal: 1

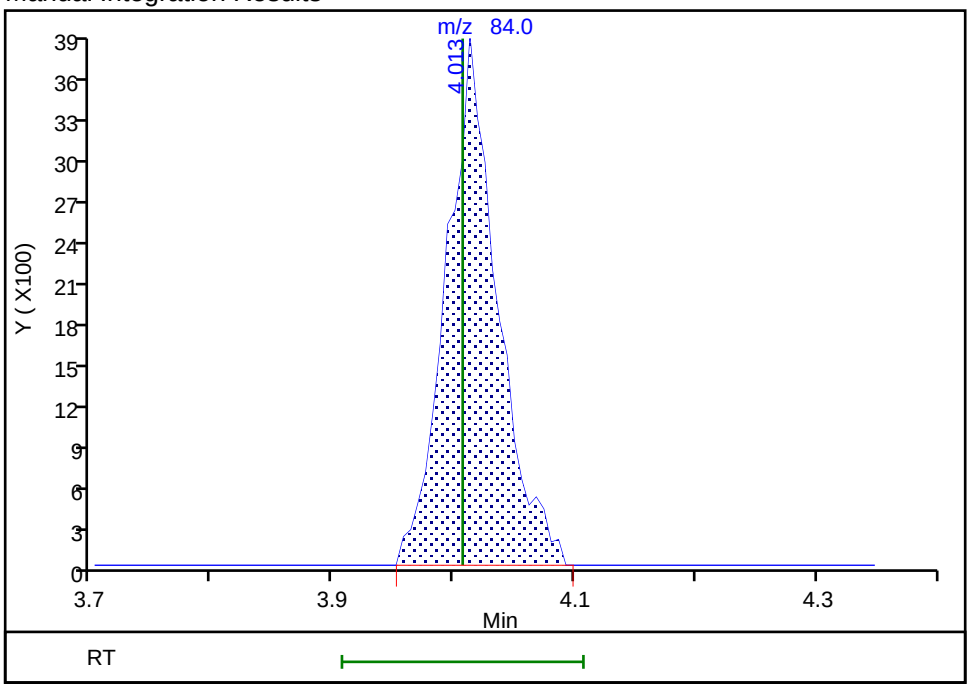
Processing Integration Results

RT: 4.01
Area: 10906
Amount: 0.198156
Amount Units: ug/l



Manual Integration Results

RT: 4.01
Area: 11365
Amount: 0.205273
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 10:48:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

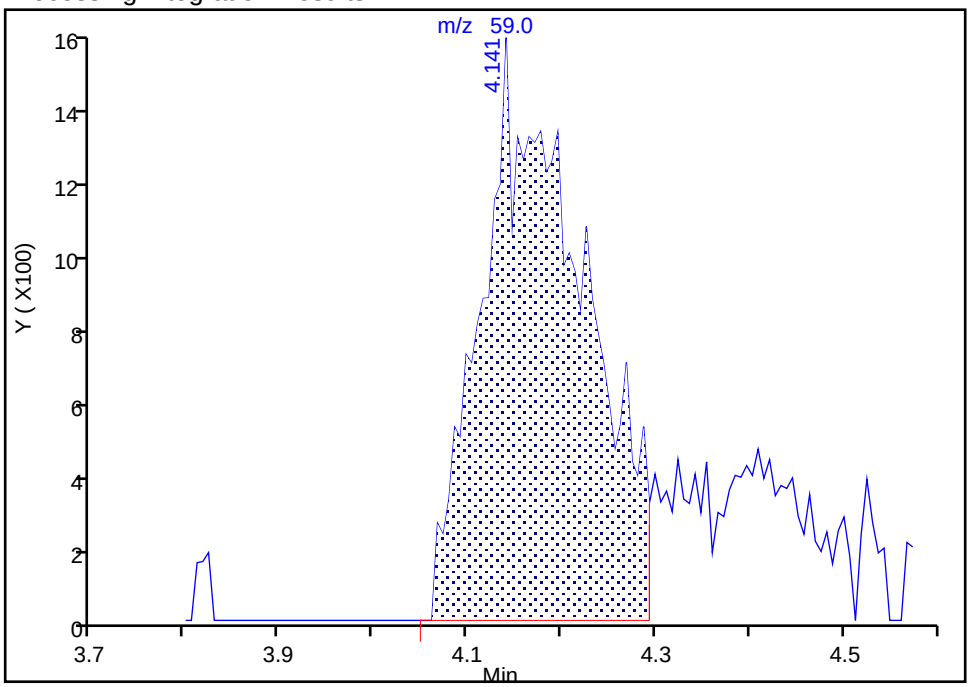
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D
Injection Date: 11-Mar-2021 21:40:30 Instrument ID: 10193
Lims ID: IC STD.2 Lg
Client ID:
Operator ID: SRK36897 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

26 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

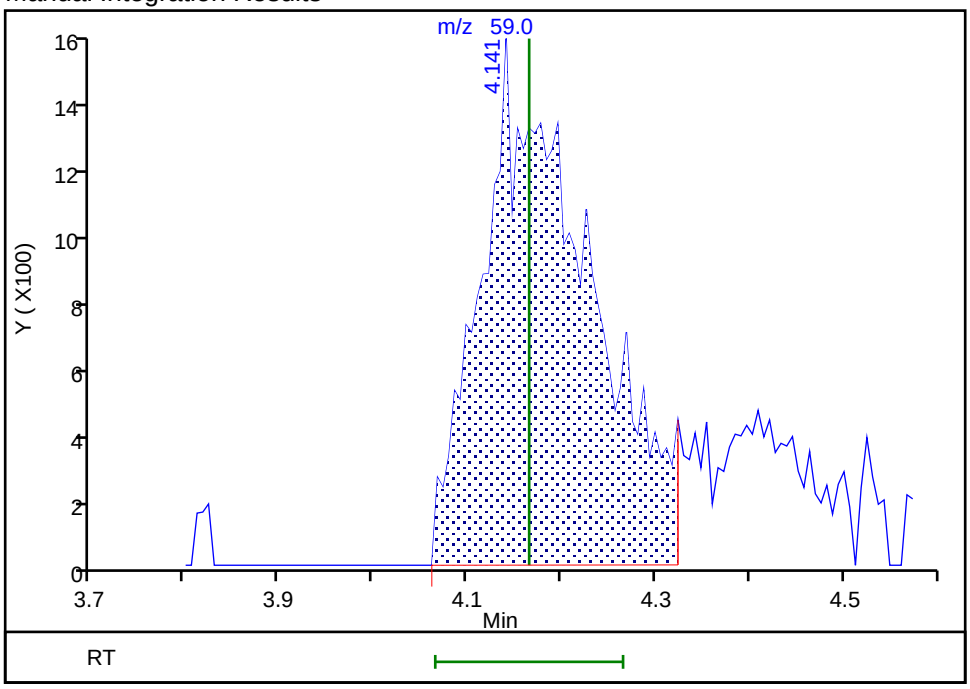
Processing Integration Results

RT: 4.14
Area: 11556
Amount: 3.739788
Amount Units: ug/l



Manual Integration Results

RT: 4.14
Area: 12195
Amount: 3.916172
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 10:48:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

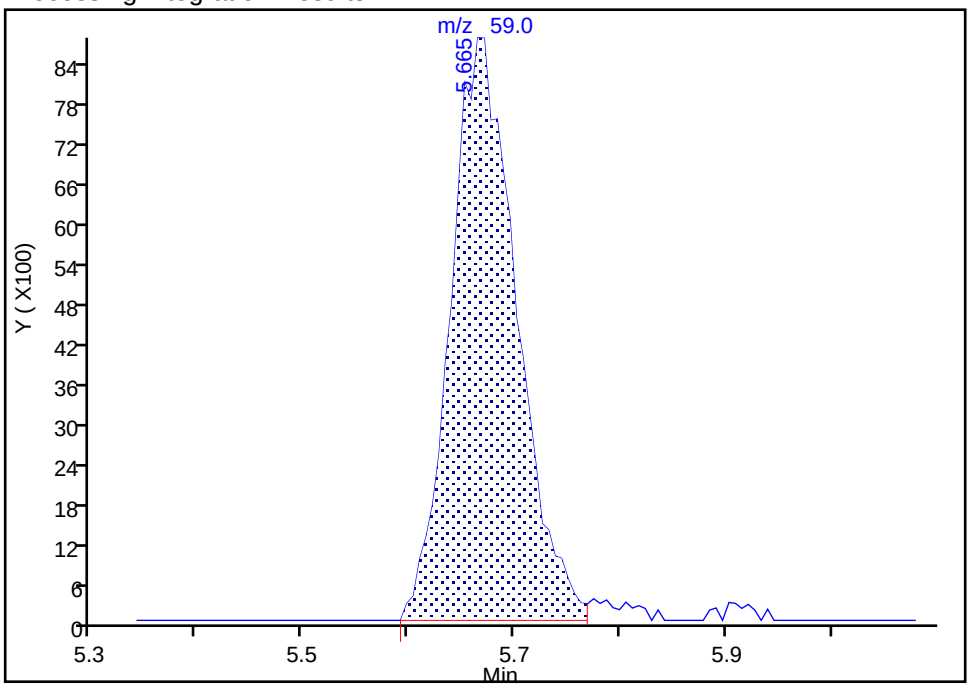
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D				
Injection Date:	11-Mar-2021 21:40:30	Instrument ID:	10193		
Lims ID:	IC STD.2 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

35 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

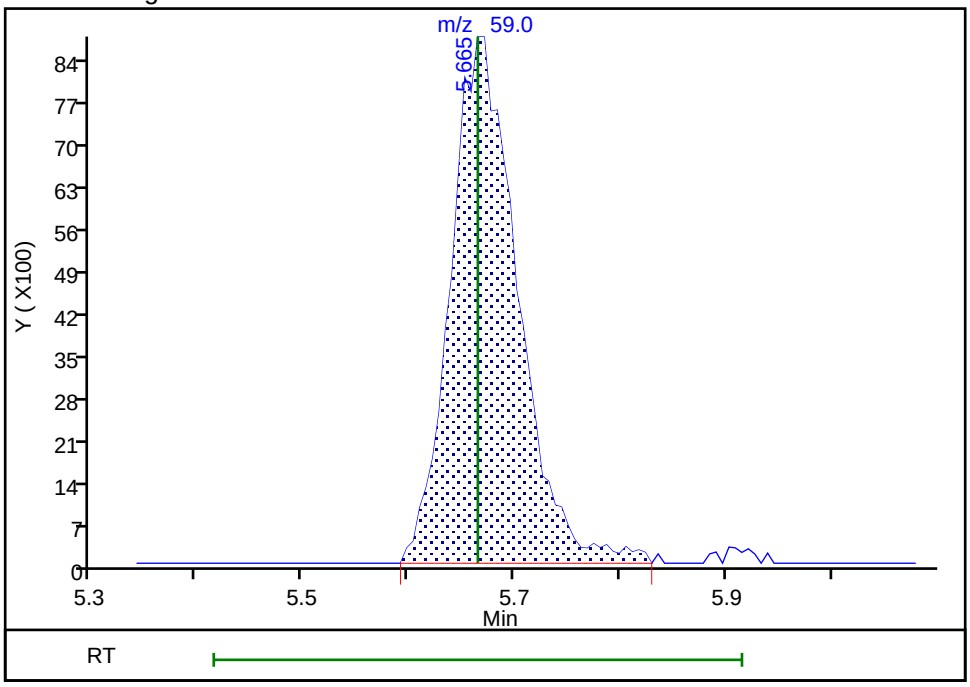
Processing Integration Results

RT: 5.67
Area: 37719
Amount: 0.192733
Amount Units: ug/l



Manual Integration Results

RT: 5.67
Area: 38483
Amount: 0.196090
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 11:53:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

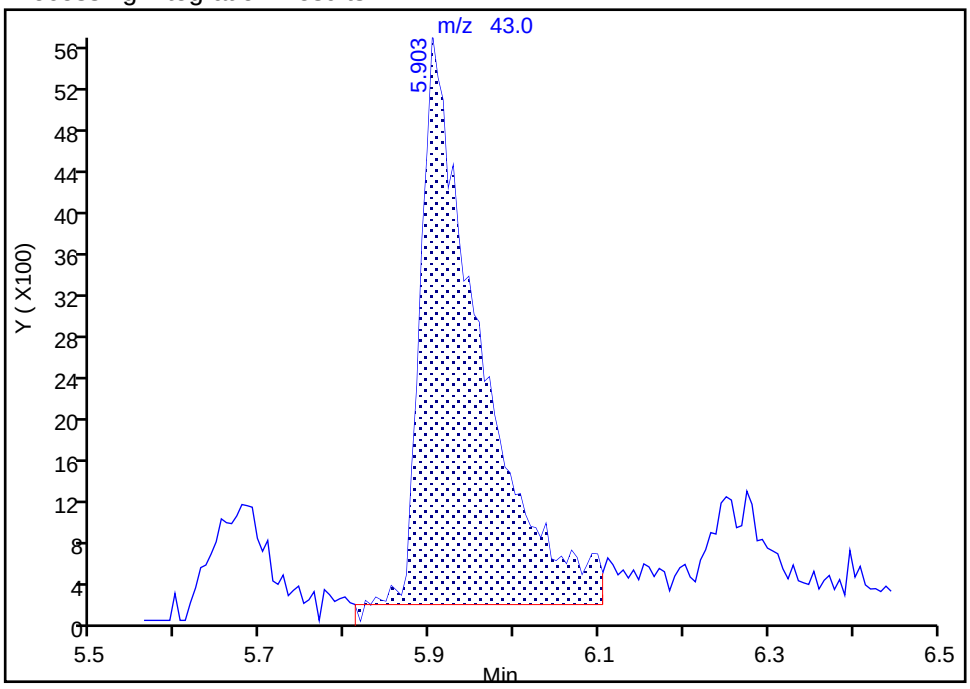
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D				
Injection Date:	11-Mar-2021 21:40:30	Instrument ID:	10193		
Lims ID:	IC STD.2 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

36 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

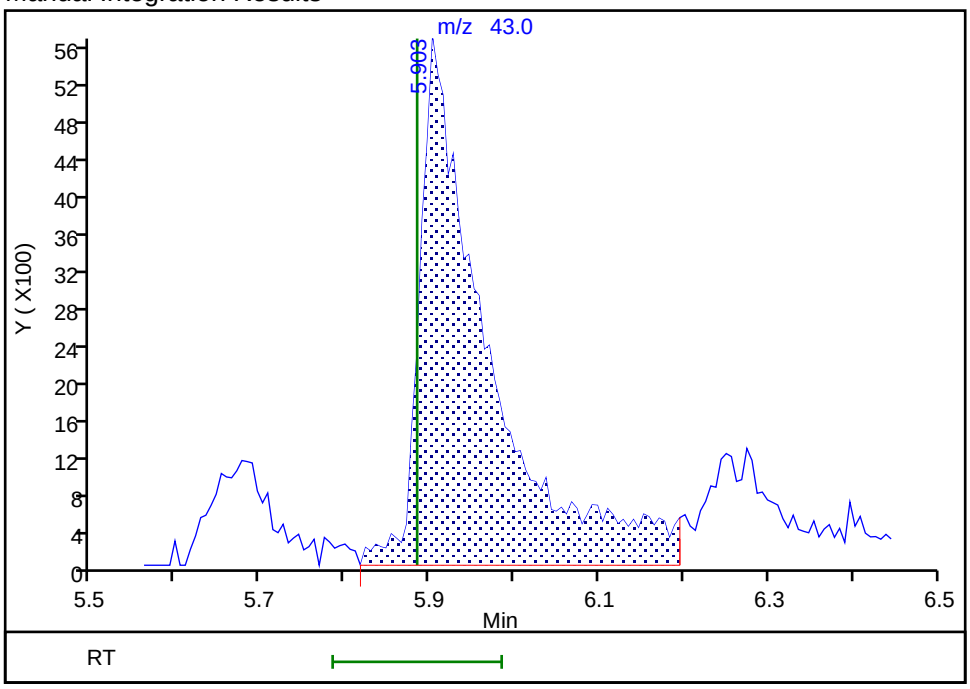
Processing Integration Results

RT: 5.90
Area: 26427
Amount: 1.654422
Amount Units: ug/l



Manual Integration Results

RT: 5.90
Area: 31693
Amount: 1.938446
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 11:53:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

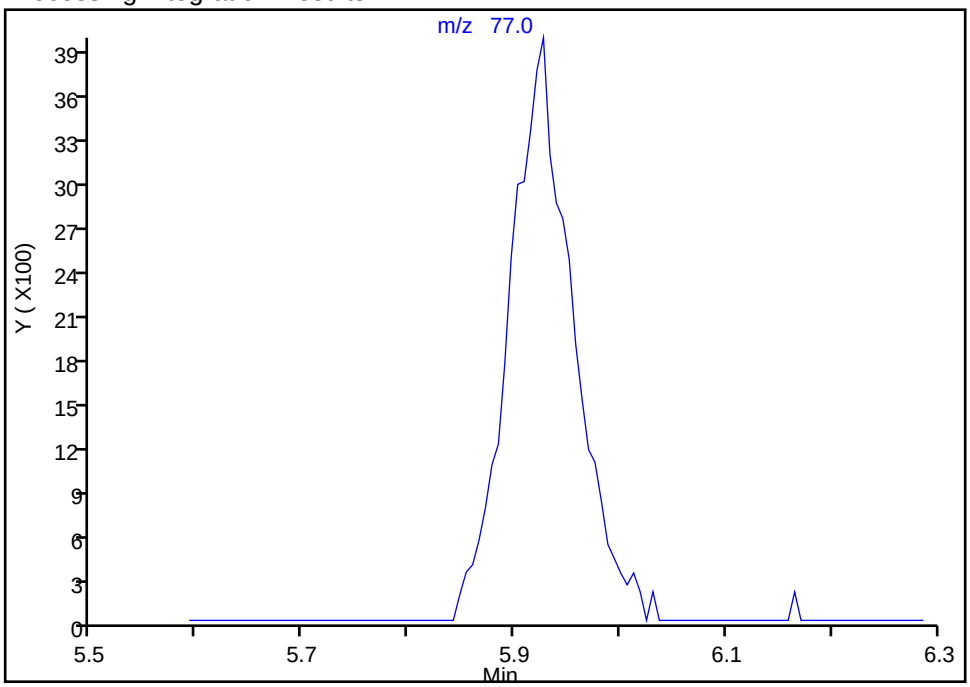
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D
Injection Date: 11-Mar-2021 21:40:30 Instrument ID: 10193
Lims ID: IC STD.2 Lg
Client ID:
Operator ID: SRK36897 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

38 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

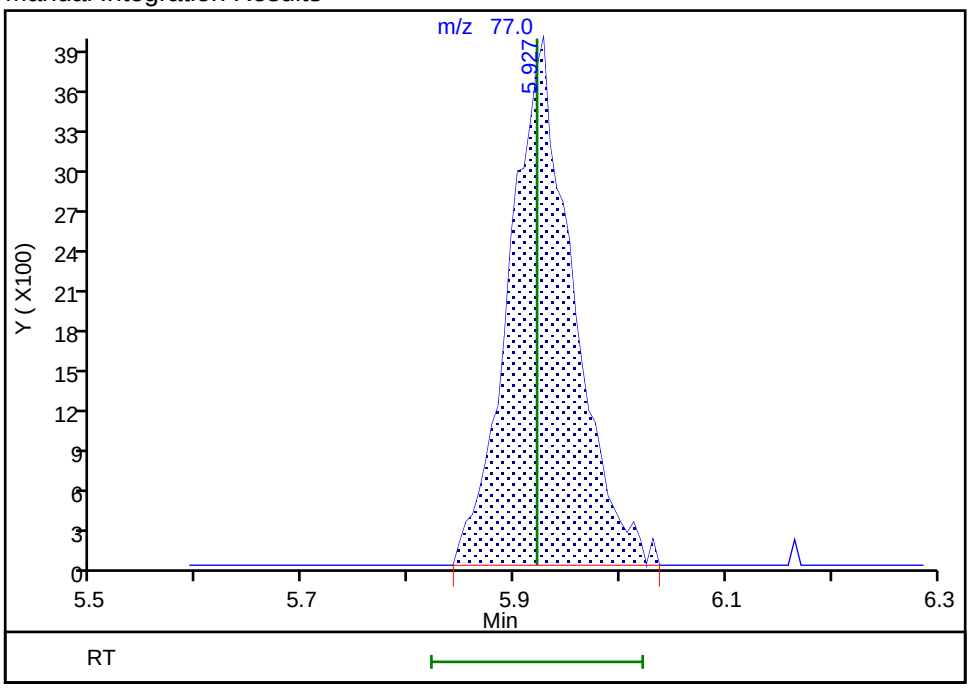
Not Detected
Expected RT: 5.92

Processing Integration Results



Manual Integration Results

RT: 5.93
Area: 16422
Amount: 0.188703
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 10:49:00
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

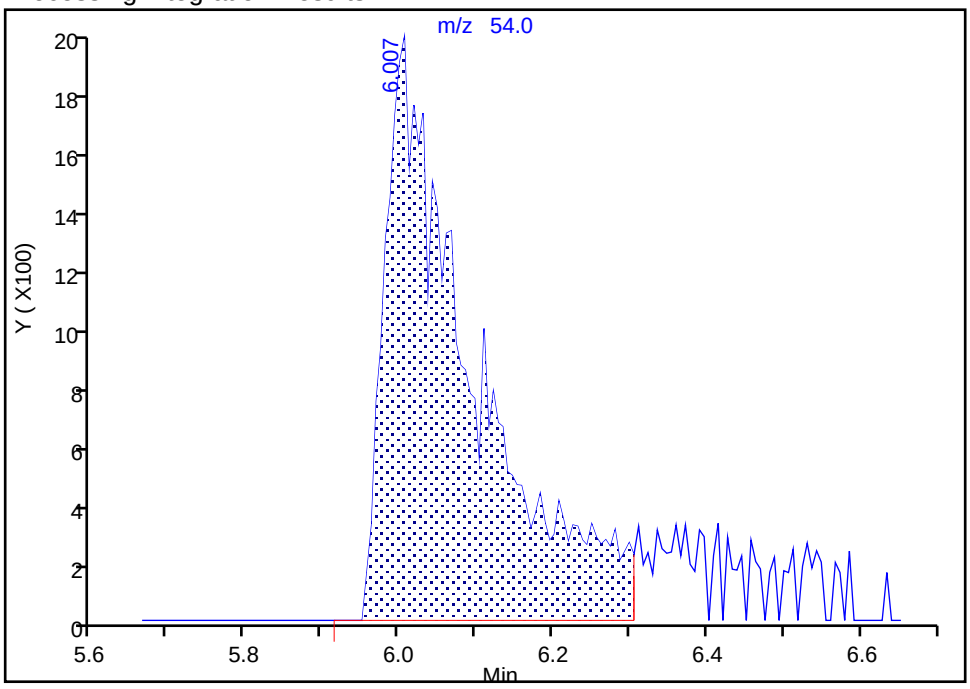
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D				
Injection Date:	11-Mar-2021 21:40:30	Instrument ID:	10193		
Lims ID:	IC STD.2 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

40 Propionitrile, CAS: 107-12-0

Signal: 1

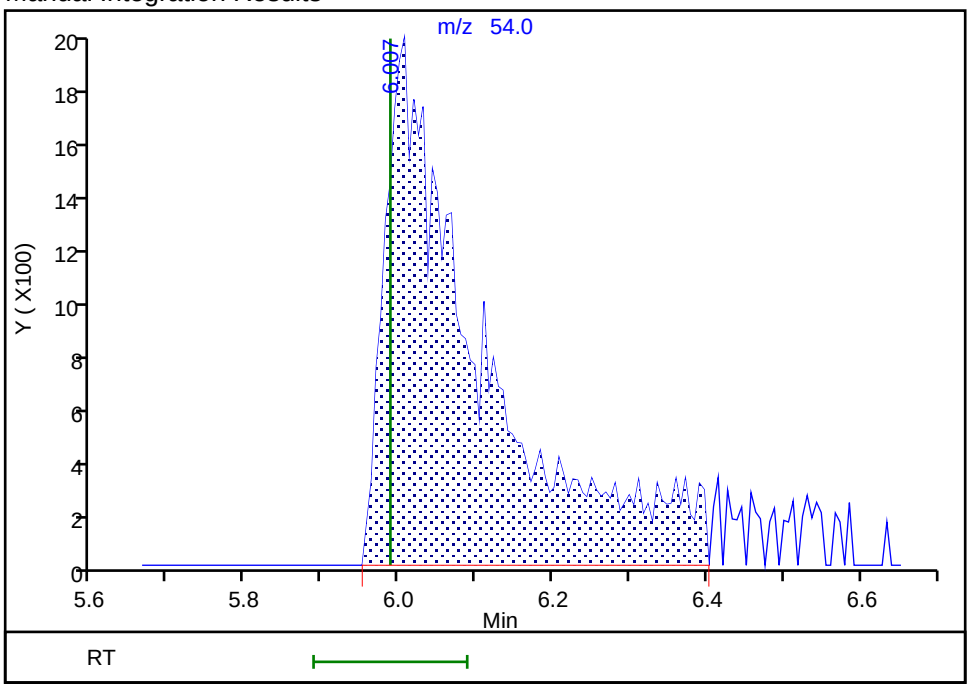
Processing Integration Results

RT: 6.01
Area: 14876
Amount: 3.488151
Amount Units: ug/l



Manual Integration Results

RT: 6.01
Area: 16183
Amount: 3.753536
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 11:54:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

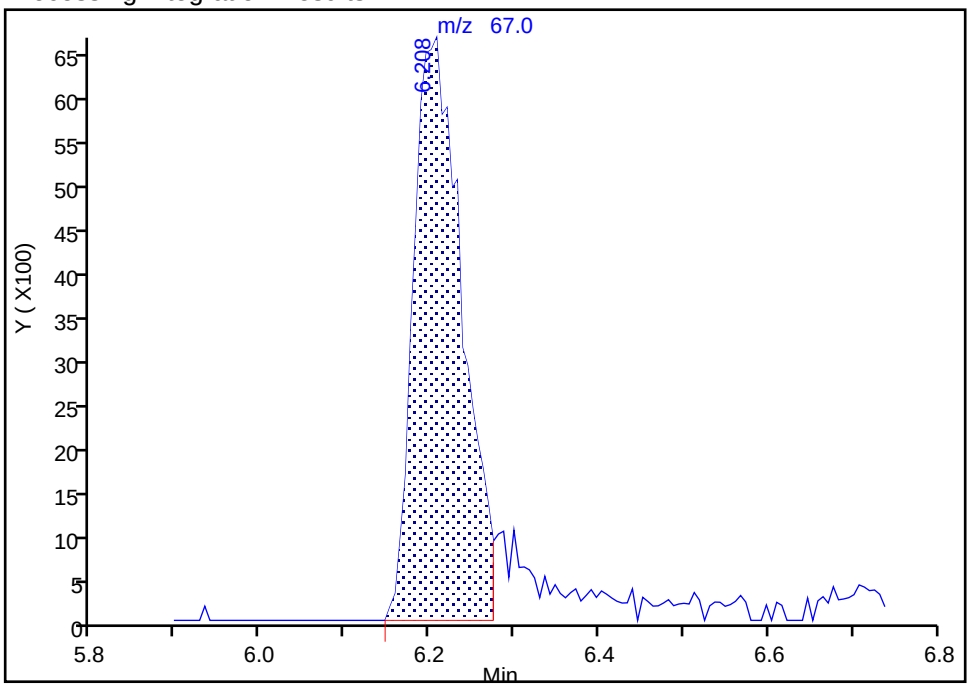
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D				
Injection Date:	11-Mar-2021 21:40:30	Instrument ID:	10193		
Lims ID:	IC STD.2 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

43 Methacrylonitrile, CAS: 126-98-7

Signal: 1

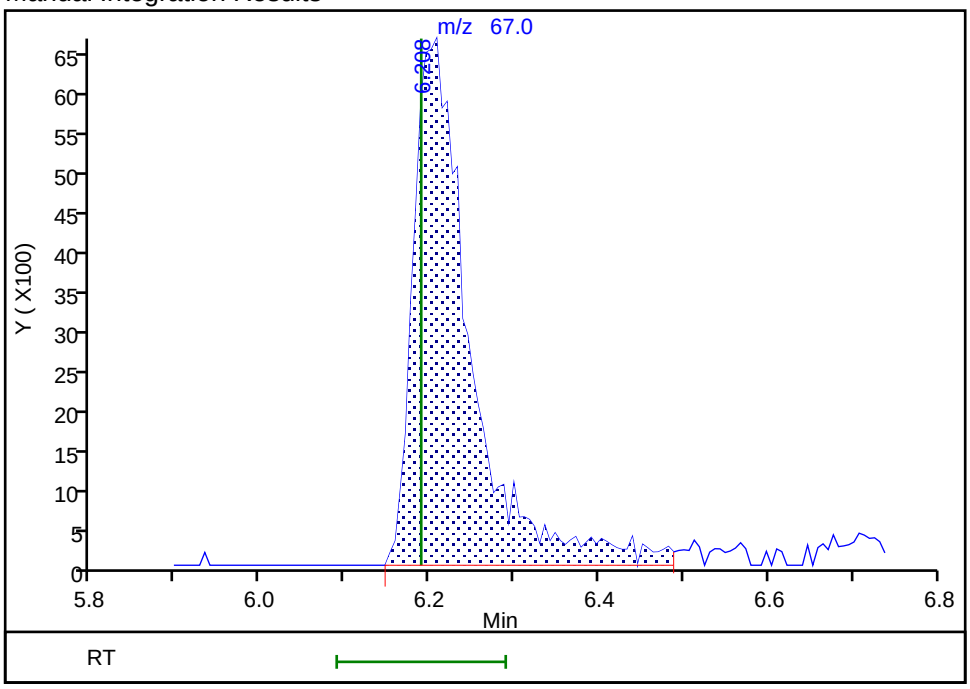
Processing Integration Results

RT: 6.21
Area: 26427
Amount: 1.672828
Amount Units: ug/l



Manual Integration Results

RT: 6.21
Area: 31122
Amount: 1.929071
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 10:50:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

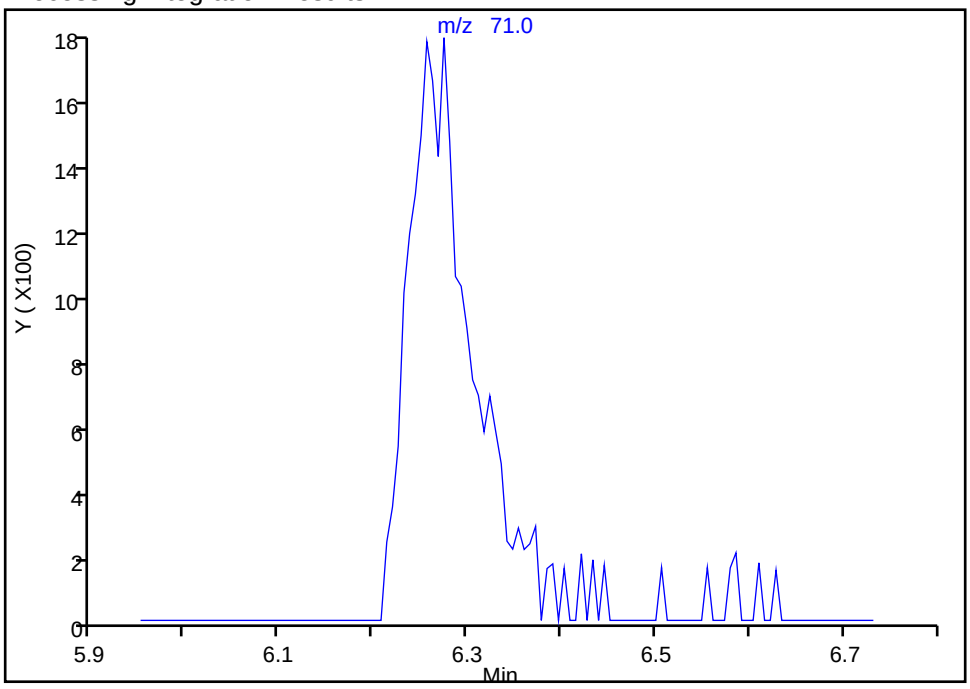
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D				
Injection Date:	11-Mar-2021 21:40:30	Instrument ID:	10193		
Lims ID:	IC STD.2 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

45 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

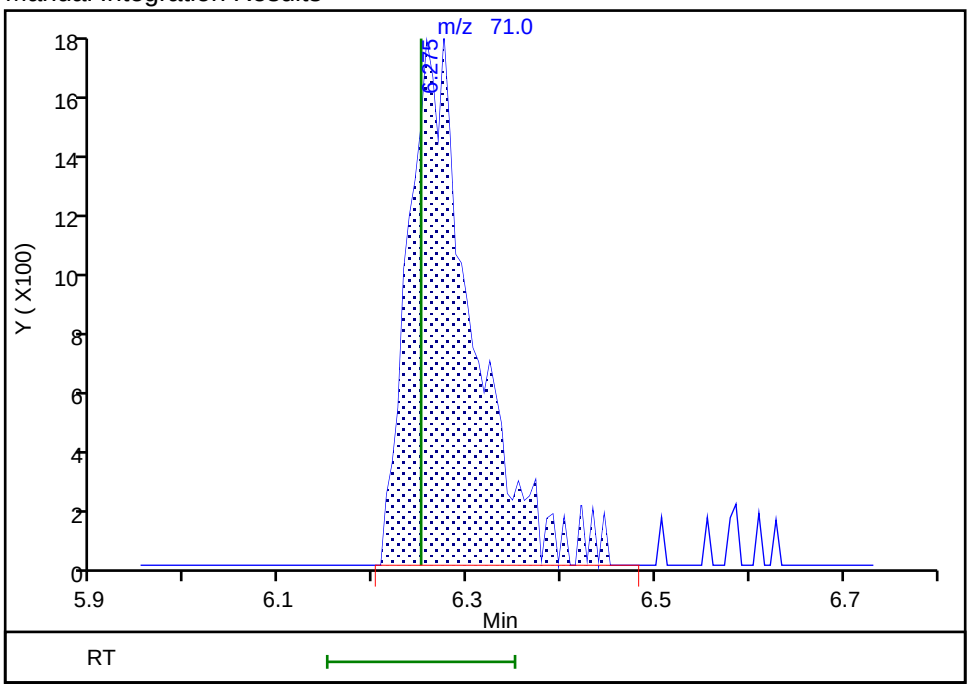
Not Detected
Expected RT: 6.25

Processing Integration Results



Manual Integration Results

RT: 6.27
Area: 8374
Amount: 1.778560
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 10:50:27
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

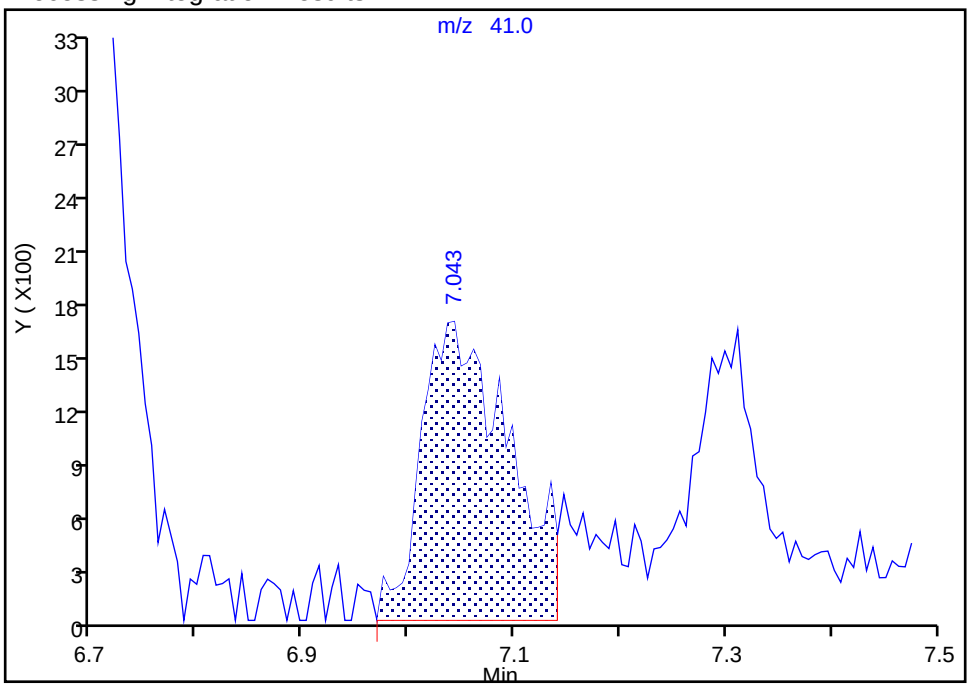
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D				
Injection Date:	11-Mar-2021 21:40:30	Instrument ID:	10193		
Lims ID:	IC STD.2 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

52 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

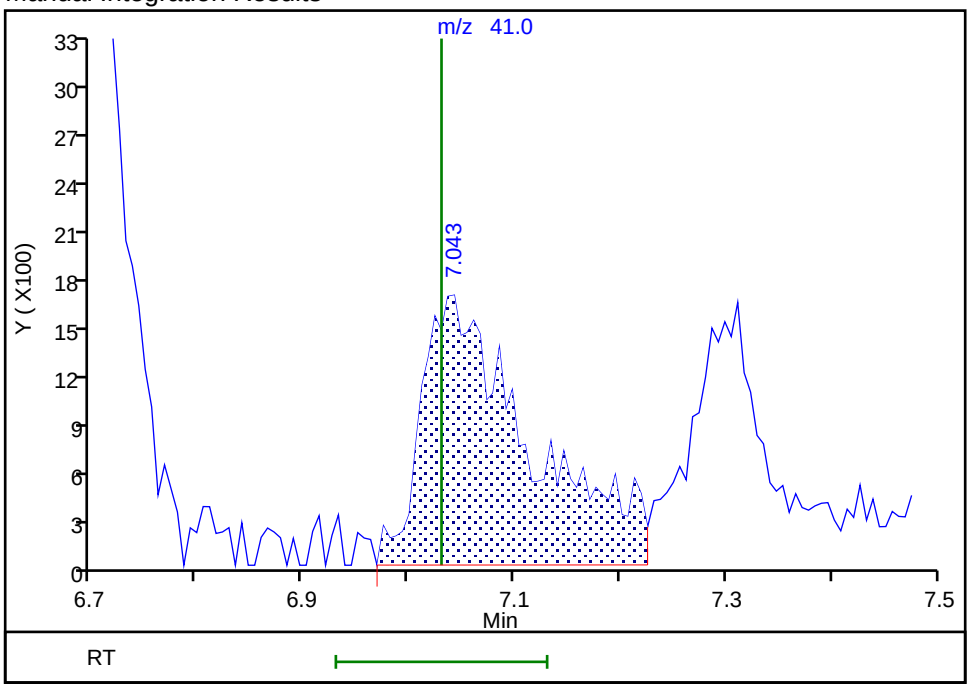
Processing Integration Results

RT: 7.04
Area: 9424
Amount: 8.387009
Amount Units: ug/l



Manual Integration Results

RT: 7.04
Area: 11714
Amount: 10.130091
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 10:51:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

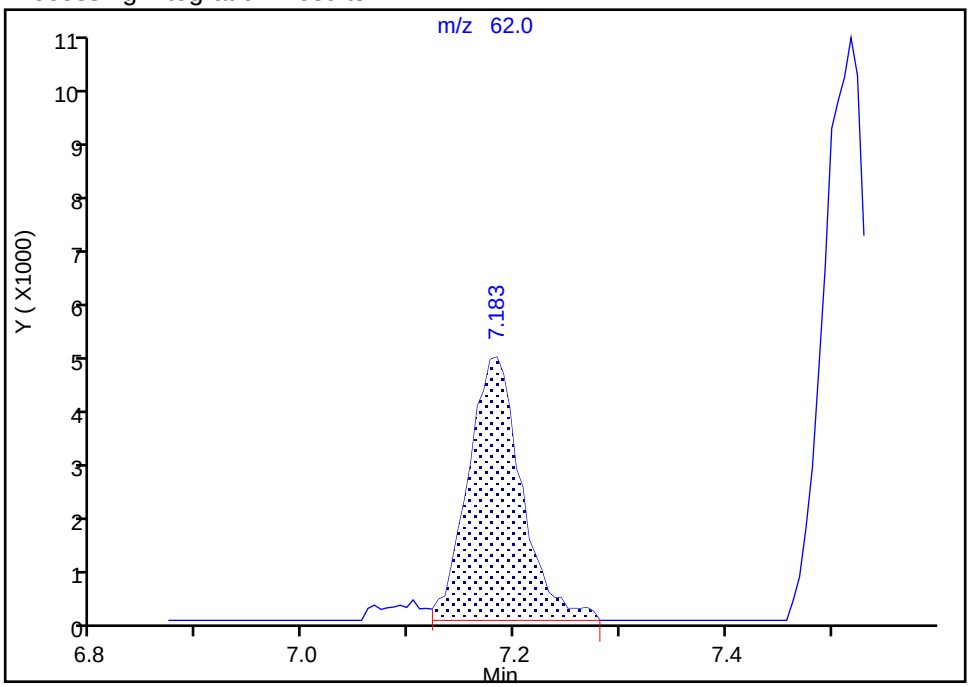
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D
Injection Date: 11-Mar-2021 21:40:30 Instrument ID: 10193
Lims ID: IC STD.2 Lg
Client ID:
Operator ID: SRK36897 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

55 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

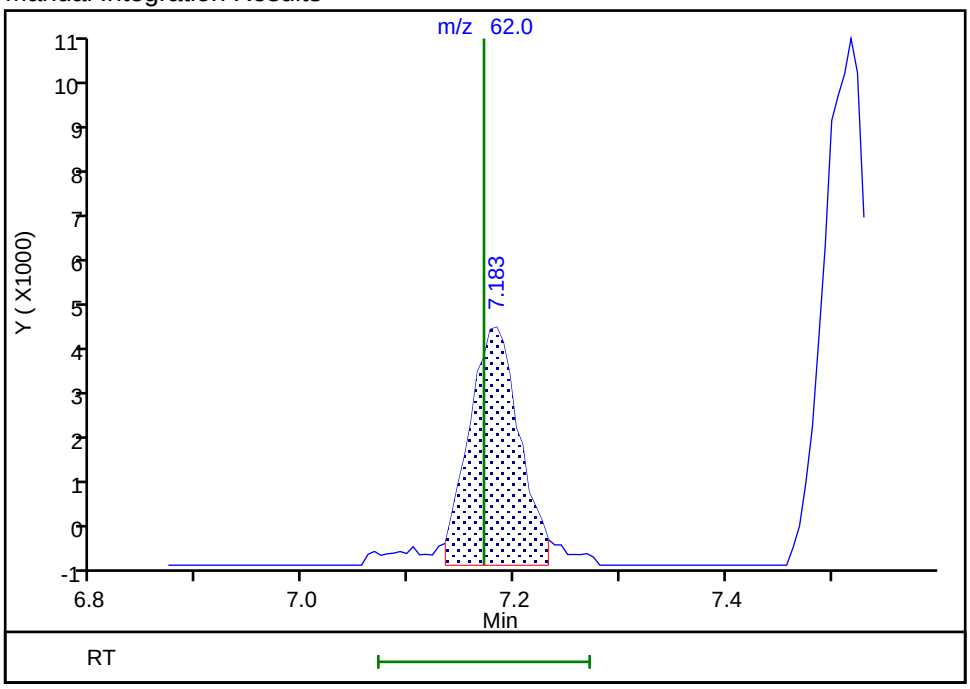
Processing Integration Results

RT: 7.18
Area: 16227
Amount: 0.222433
Amount Units: ug/l



Manual Integration Results

RT: 7.18
Area: 15366
Amount: 0.212422
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 12:00:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

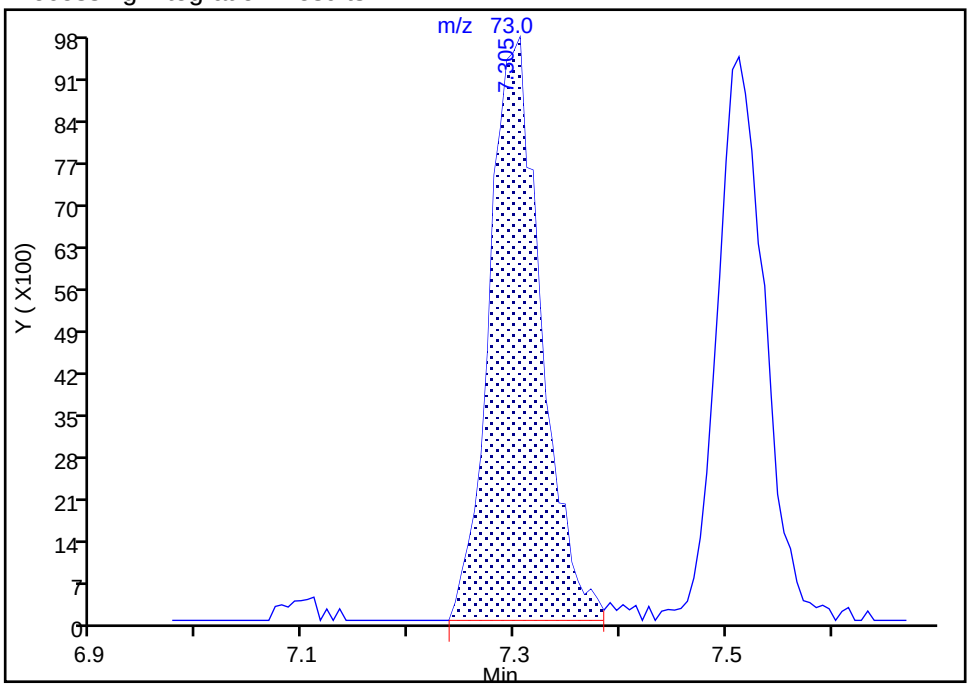
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D				
Injection Date:	11-Mar-2021 21:40:30	Instrument ID:	10193		
Lims ID:	IC STD.2 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

56 Tert-amyl methyl ether, CAS: 994-05-8

Signal: 1

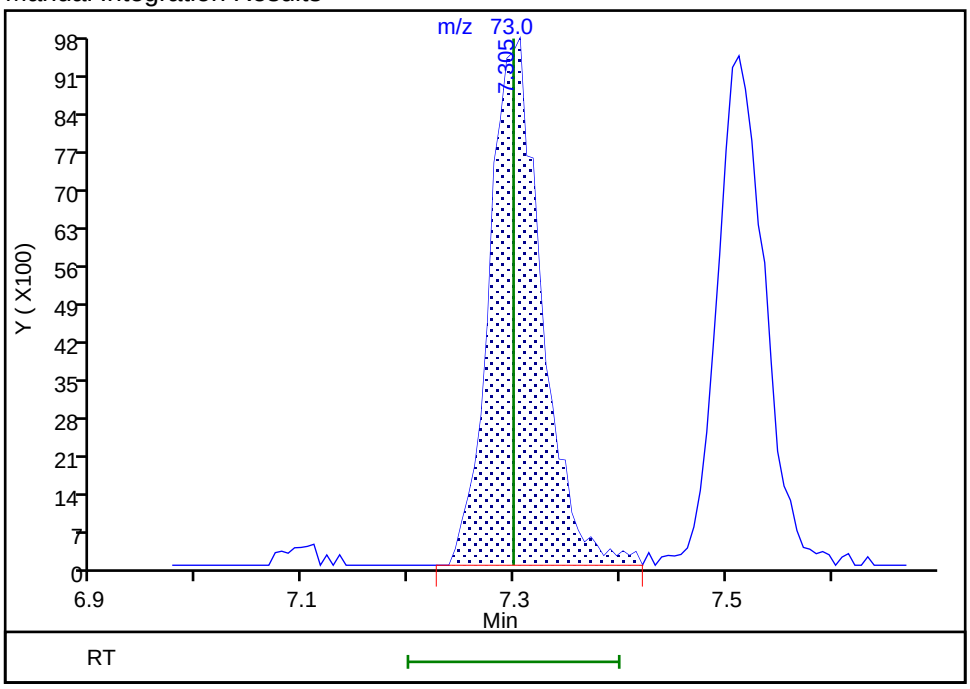
Processing Integration Results

RT: 7.31
Area: 32847
Amount: 0.188335
Amount Units: ug/l



Manual Integration Results

RT: 7.31
Area: 33265
Amount: 0.190406
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 12:01:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

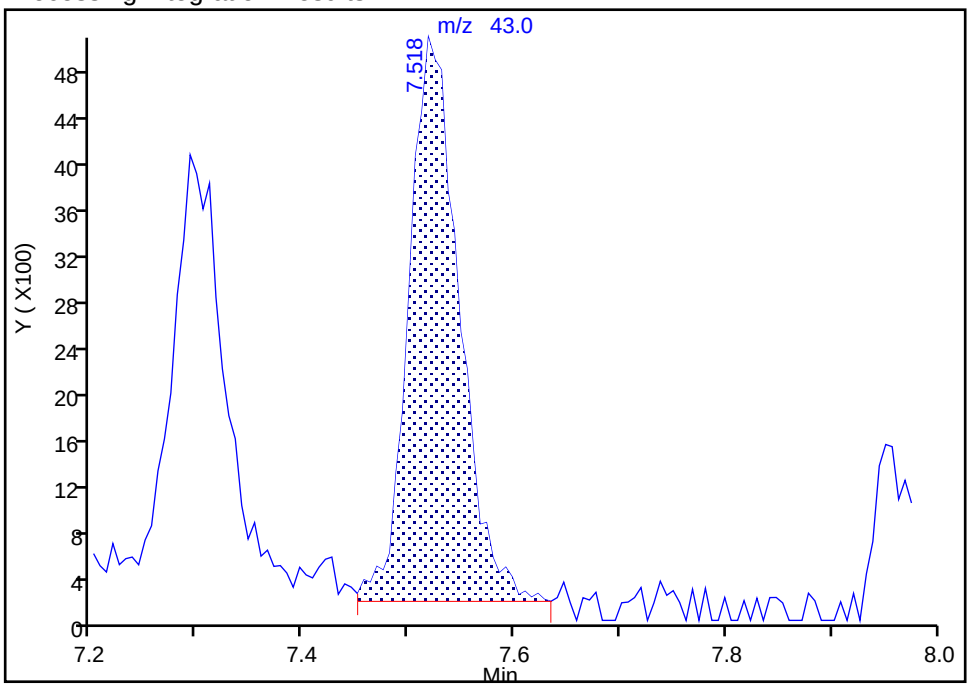
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D
Injection Date: 11-Mar-2021 21:40:30 Instrument ID: 10193
Lims ID: IC STD.2 Lg
Client ID:
Operator ID: SRK36897 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

58 n-Heptane, CAS: 142-82-5

Signal: 1

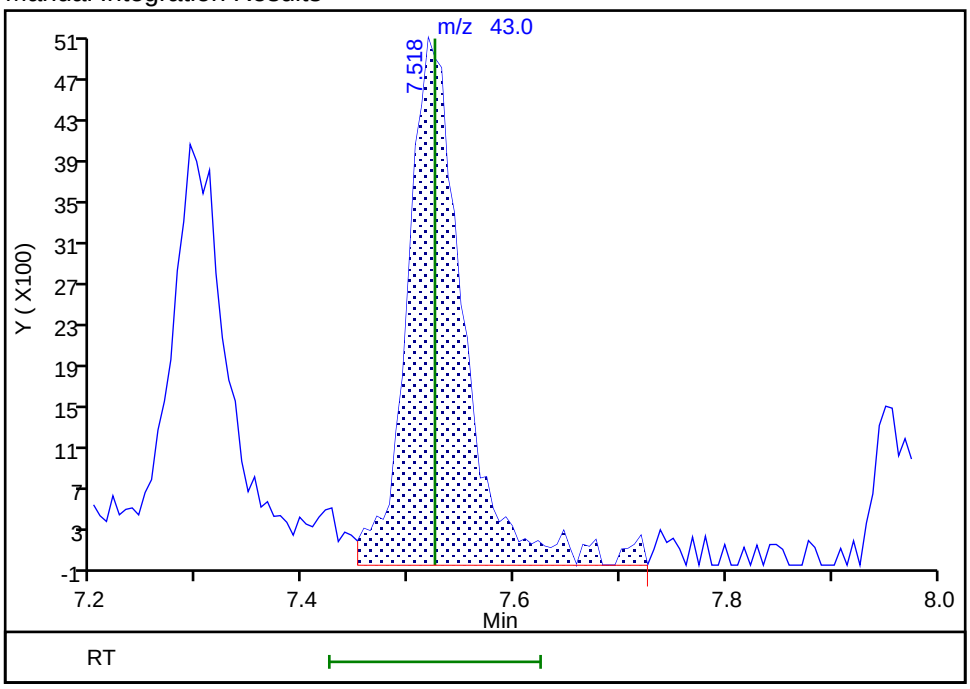
RT: 7.52
Area: 16253
Amount: 0.168580
Amount Units: ug/l

Processing Integration Results



Manual Integration Results

RT: 7.52
Area: 18909
Amount: 0.192344
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 12:02:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

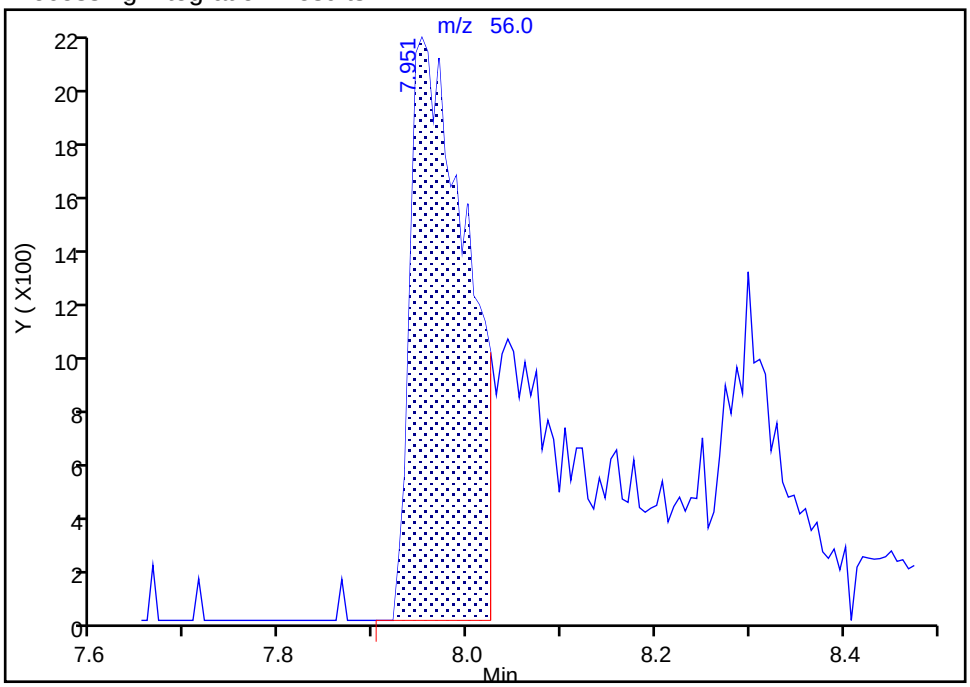
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D
Injection Date: 11-Mar-2021 21:40:30 Instrument ID: 10193
Lims ID: IC STD.2 Lg
Client ID:
Operator ID: SRK36897 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

59 n-Butanol, CAS: 71-36-3

Signal: 1

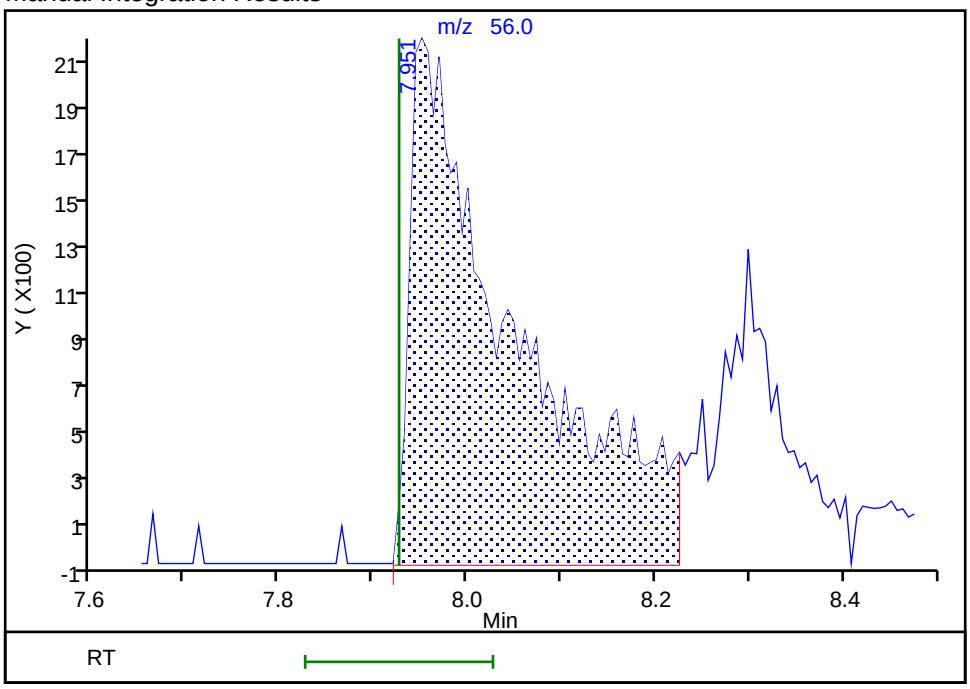
Processing Integration Results

RT: 7.95
Area: 8897
Amount: 69.162171
Amount Units: ug/l



Manual Integration Results

RT: 7.95
Area: 16368
Amount: 16.690892
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 12:02:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

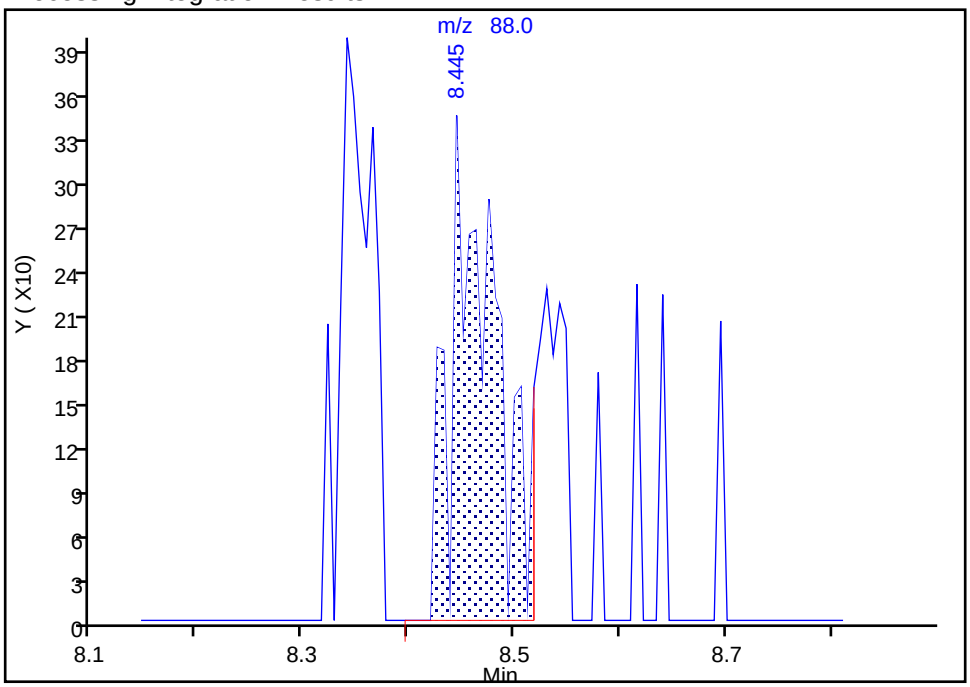
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D				
Injection Date:	11-Mar-2021 21:40:30	Instrument ID:	10193		
Lims ID:	IC STD.2 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

65 1,4-Dioxane, CAS: 123-91-1

Signal: 1

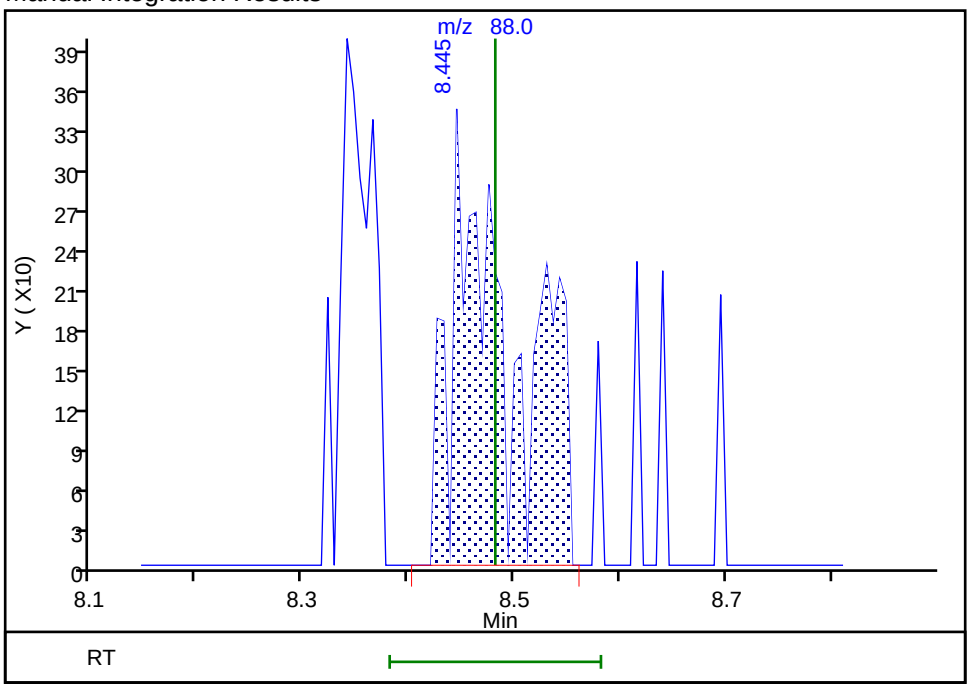
Processing Integration Results

RT: 8.45
Area: 1014
Amount: 5.539739
Amount Units: ug/l



Manual Integration Results

RT: 8.45
Area: 1384
Amount: 6.585628
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 10:52:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

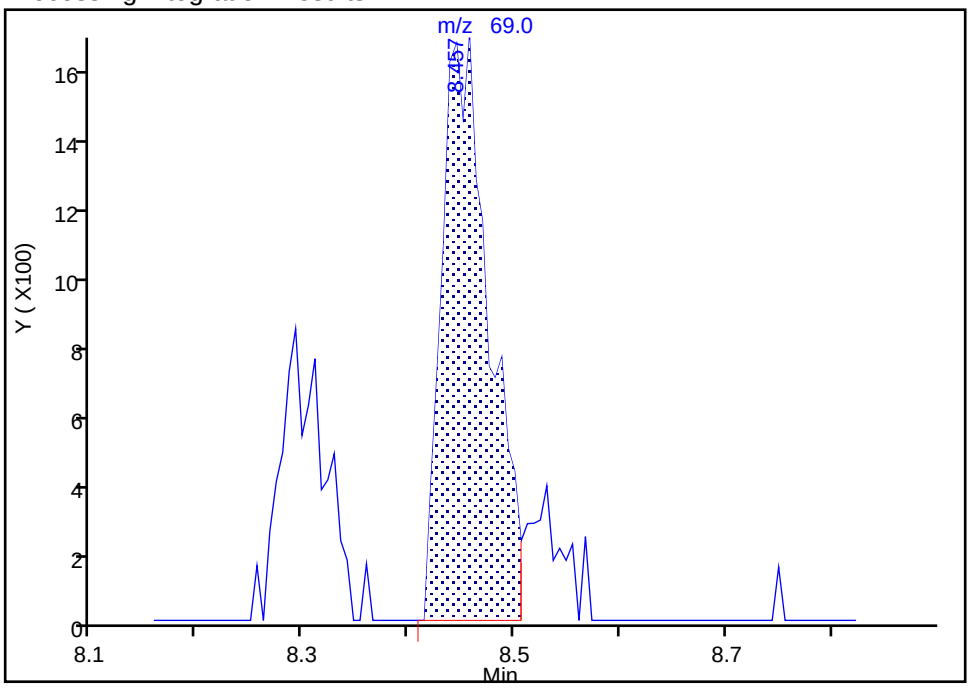
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D				
Injection Date:	11-Mar-2021 21:40:30	Instrument ID:	10193		
Lims ID:	IC STD.2 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

64 Methyl methacrylate, CAS: 80-62-6

Signal: 1

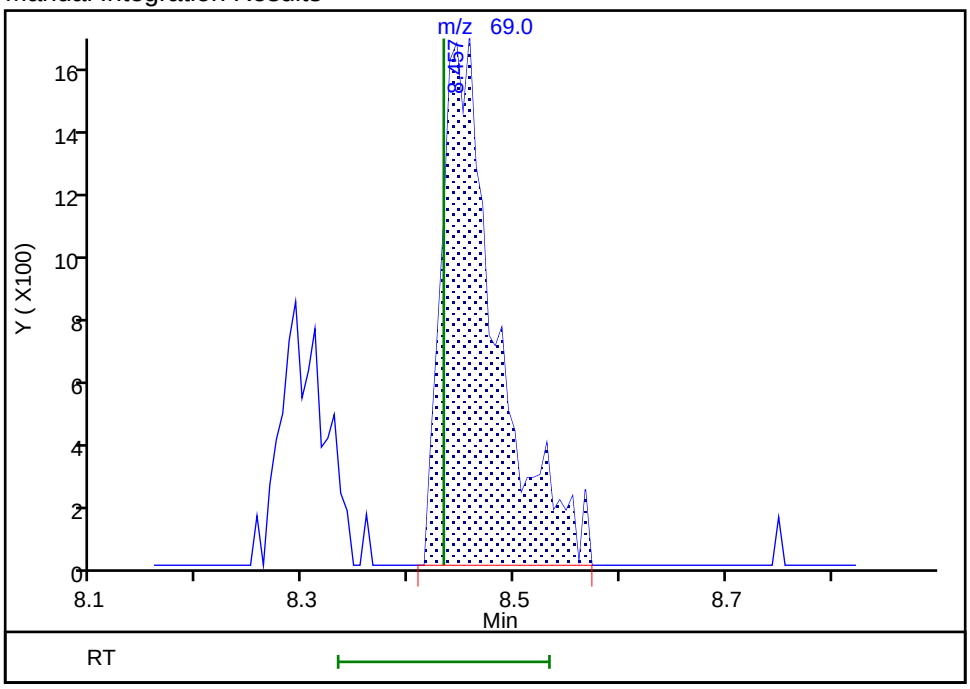
Processing Integration Results

RT: 8.46
Area: 5159
Amount: 0.160971
Amount Units: ug/l



Manual Integration Results

RT: 8.46
Area: 5968
Amount: 0.182916
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 12:03:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

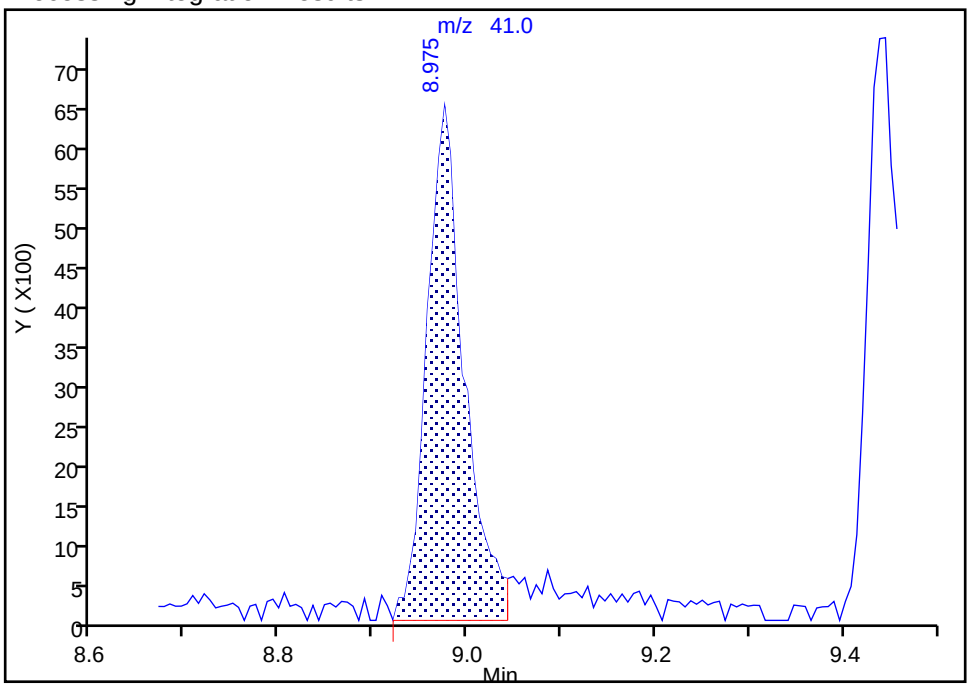
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D				
Injection Date:	11-Mar-2021 21:40:30	Instrument ID:	10193		
Lims ID:	IC STD.2 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

68 2-Nitropropane, CAS: 79-46-9

Signal: 1

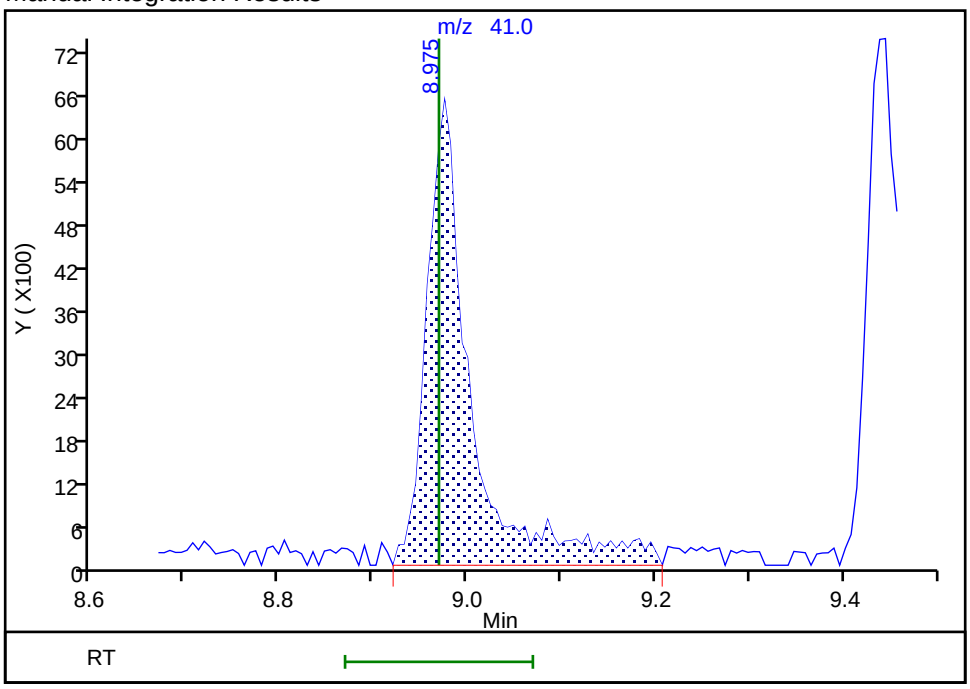
Processing Integration Results

RT: 8.98
Area: 17812
Amount: 1.707778
Amount Units: ug/l



Manual Integration Results

RT: 8.98
Area: 21058
Amount: 1.975091
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 10:52:34
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

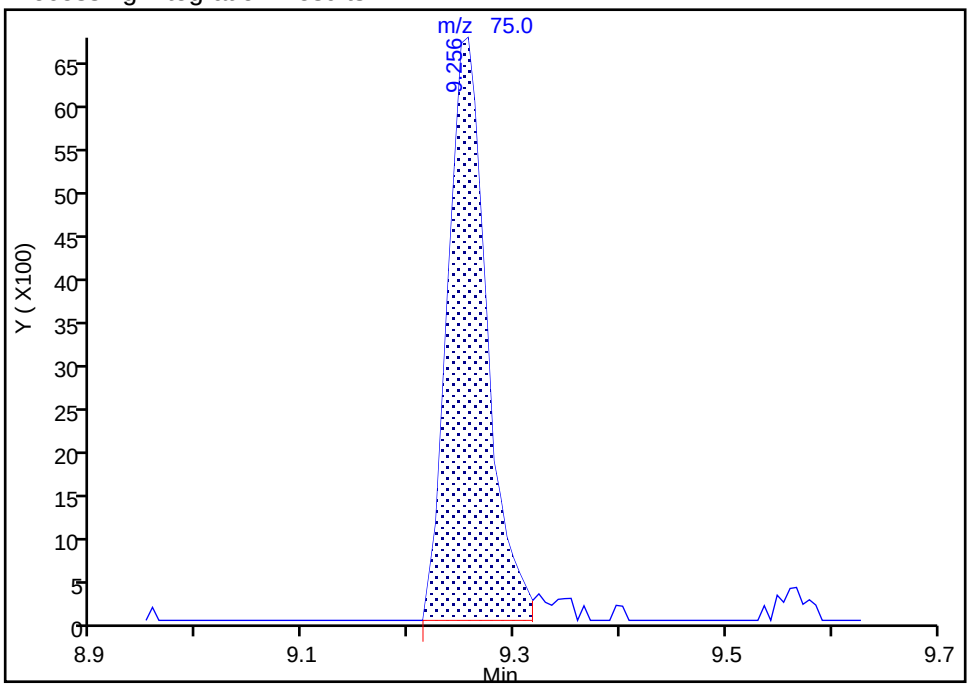
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D
Injection Date: 11-Mar-2021 21:40:30 Instrument ID: 10193
Lims ID: IC STD.2 Lg
Client ID:
Operator ID: SRK36897 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

72 cis-1,3-Dichloropropene, CAS: 10061-01-5

Signal: 1

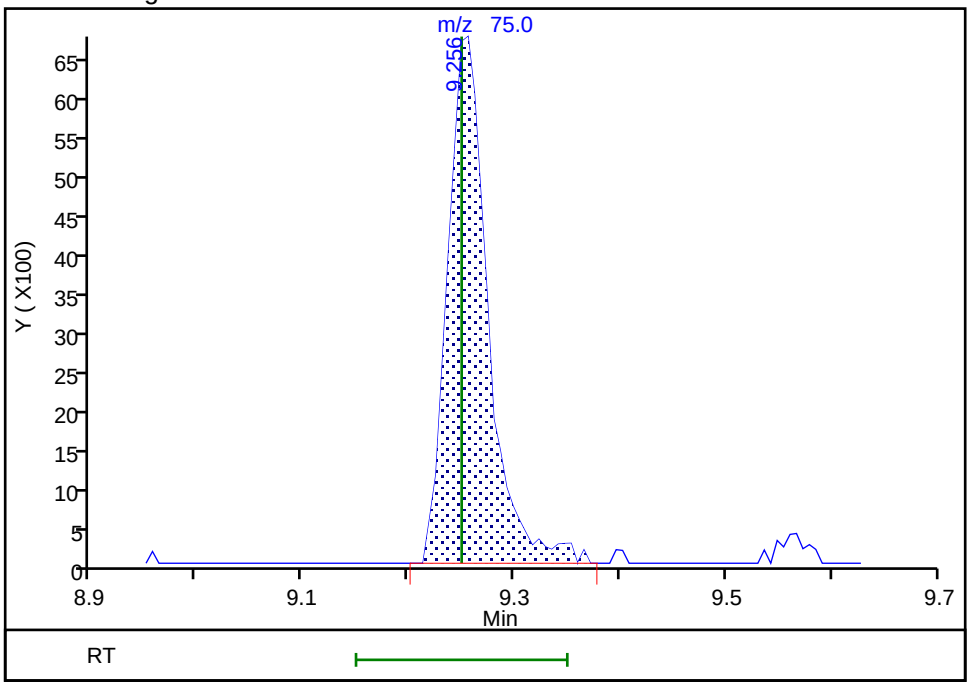
Processing Integration Results

RT: 9.26
Area: 17200
Amount: 0.184182
Amount Units: ug/l



Manual Integration Results

RT: 9.26
Area: 17787
Amount: 0.189616
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 12:03:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

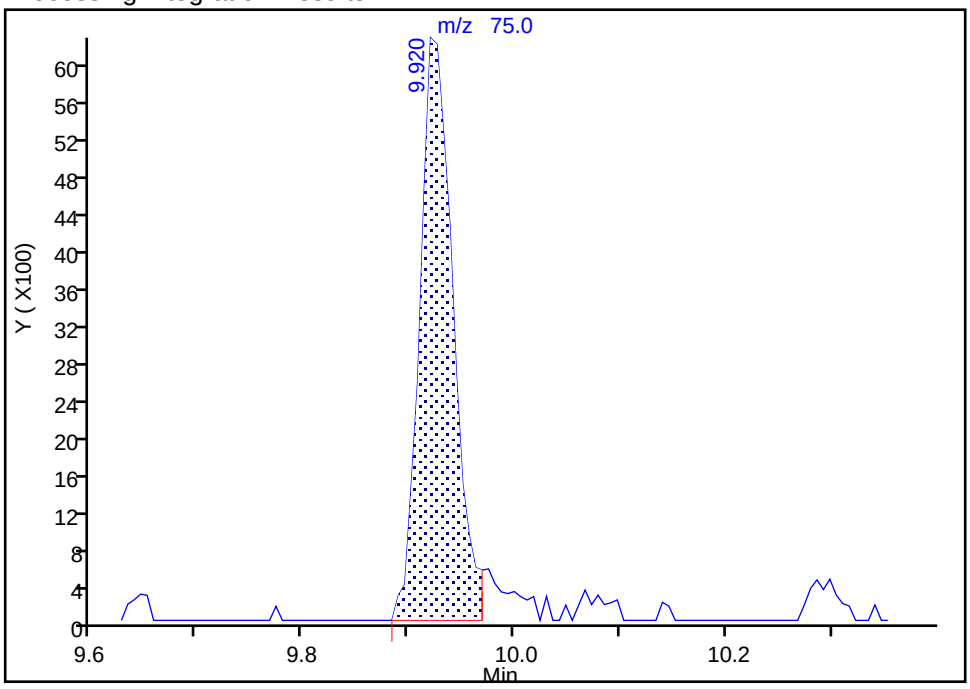
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D				
Injection Date:	11-Mar-2021 21:40:30	Instrument ID:	10193		
Lims ID:	IC STD.2 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

76 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

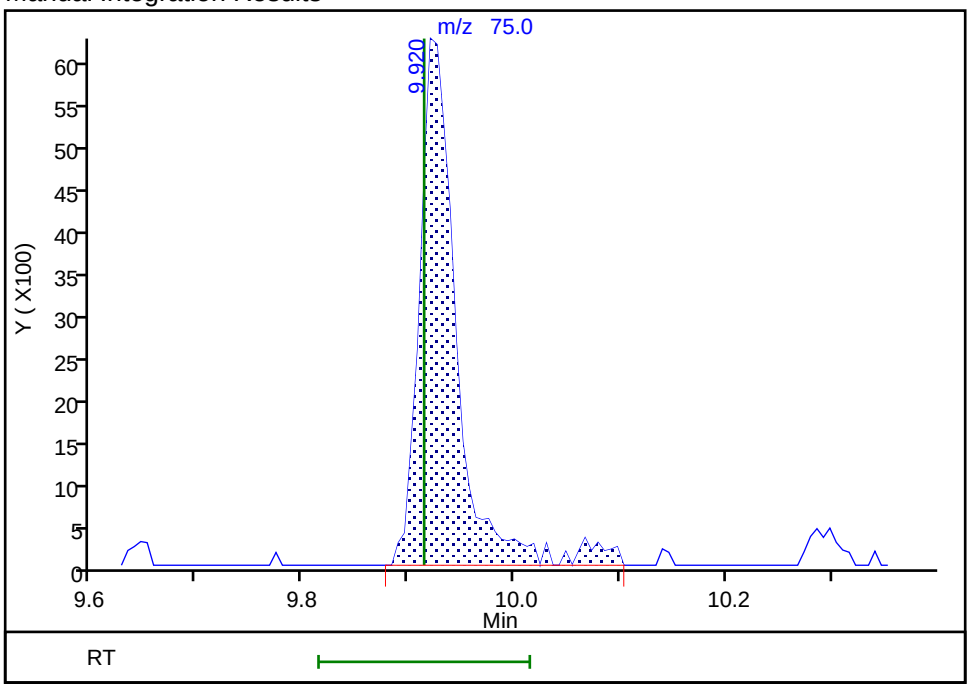
Processing Integration Results

RT: 9.92
Area: 13549
Amount: 0.173919
Amount Units: ug/l



Manual Integration Results

RT: 9.92
Area: 15184
Amount: 0.192027
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 10:52:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

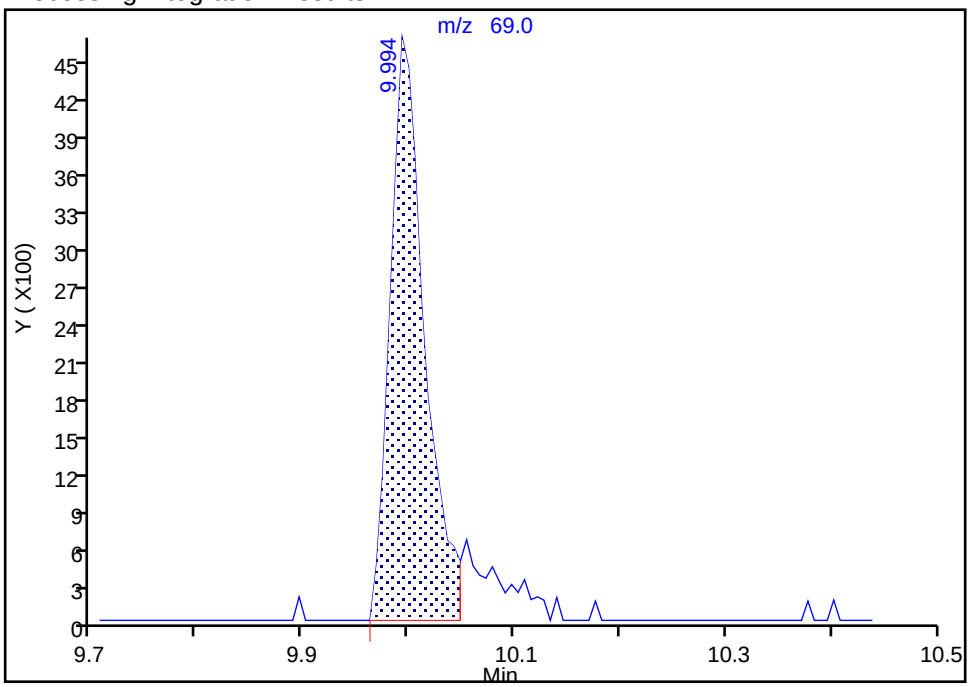
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D
Injection Date: 11-Mar-2021 21:40:30 Instrument ID: 10193
Lims ID: IC STD.2 Lg
Client ID:
Operator ID: SRK36897 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

78 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

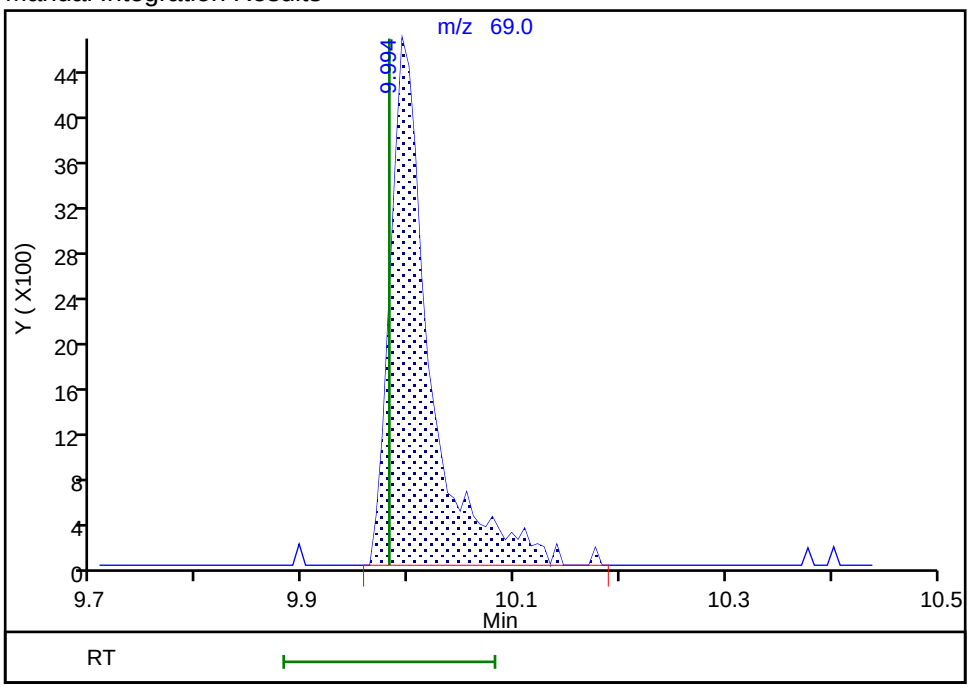
Processing Integration Results

RT: 9.99
Area: 10507
Amount: 0.159448
Amount Units: ug/l



Manual Integration Results

RT: 9.99
Area: 12129
Amount: 0.180883
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 10:53:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

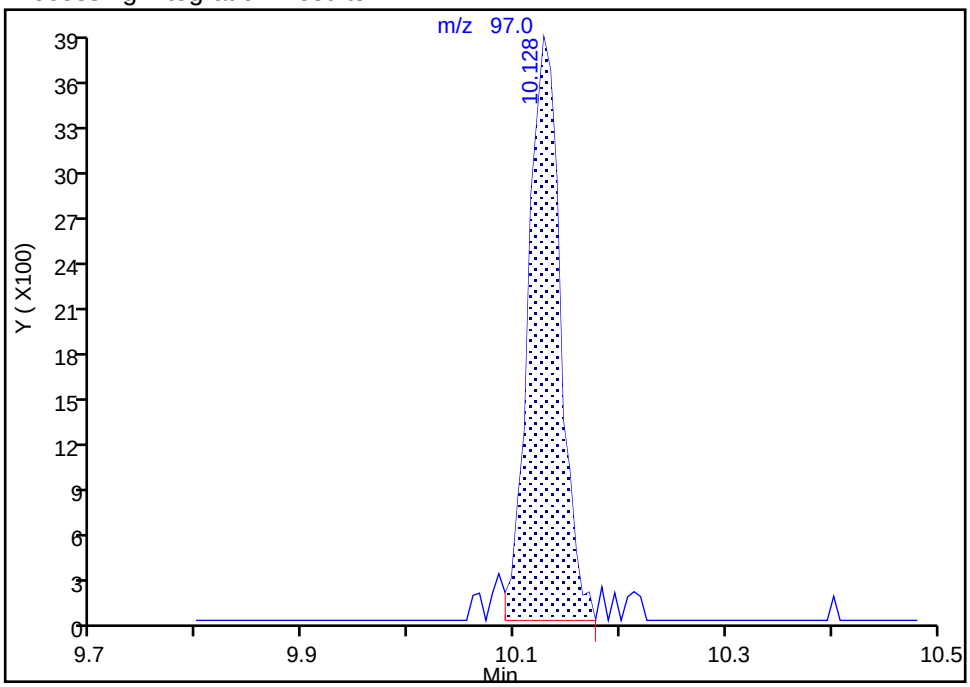
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D				
Injection Date:	11-Mar-2021 21:40:30	Instrument ID:	10193		
Lims ID:	IC STD.2 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

79 1,1,2-Trichloroethane, CAS: 79-00-5

Signal: 1

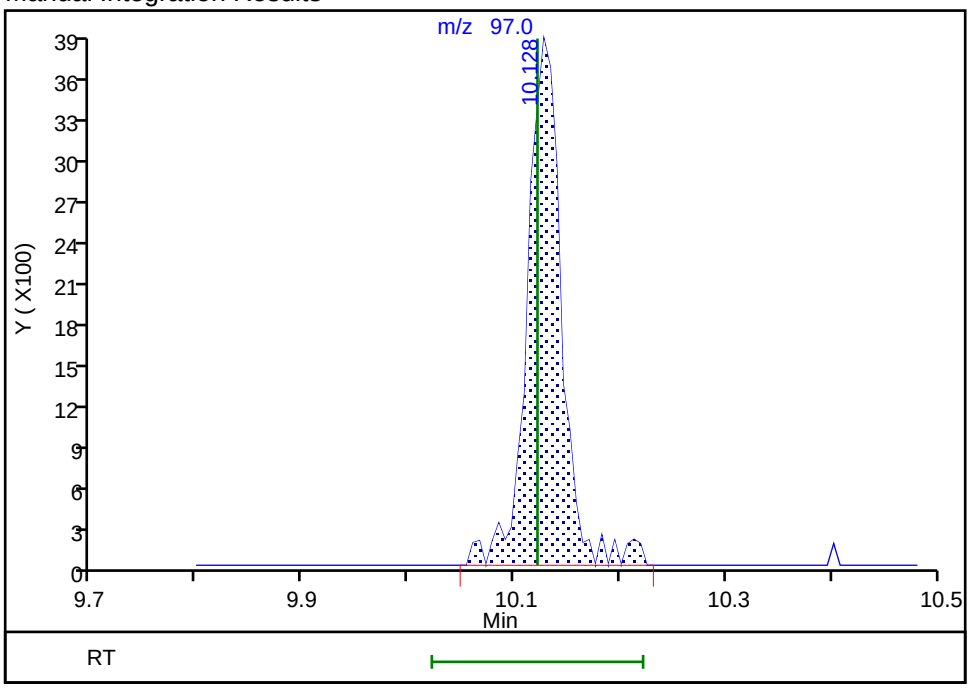
Processing Integration Results

RT: 10.13
Area: 8220
Amount: 0.192572
Amount Units: ug/l



Manual Integration Results

RT: 10.13
Area: 8862
Amount: 0.205405
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 12:03:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

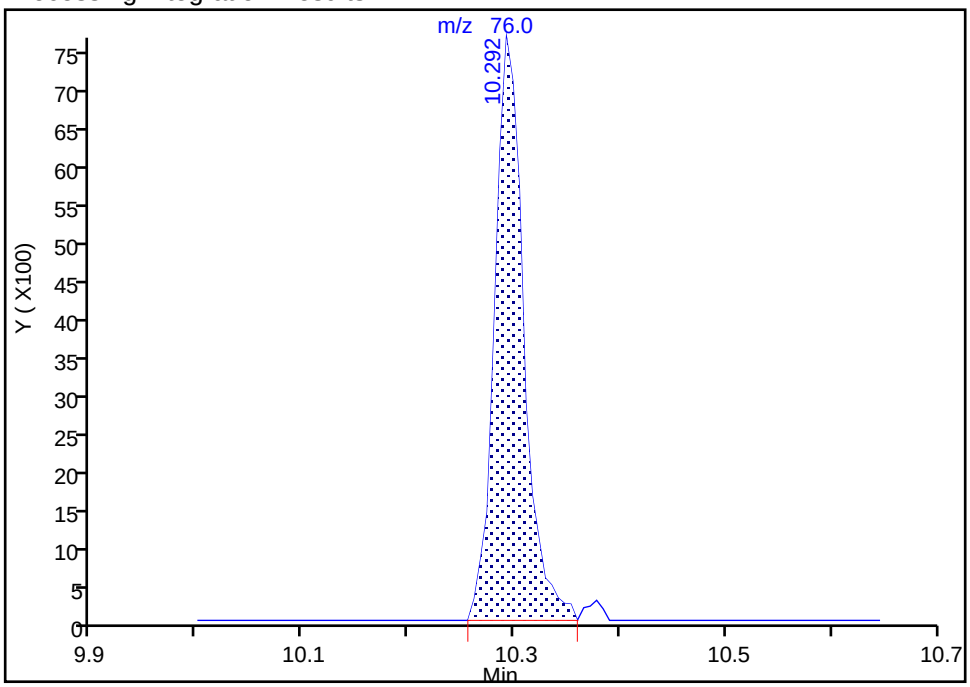
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D
Injection Date: 11-Mar-2021 21:40:30 Instrument ID: 10193
Lims ID: IC STD.2 Lg
Client ID:
Operator ID: SRK36897 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

81 1,3-Dichloropropane, CAS: 142-28-9

Signal: 1

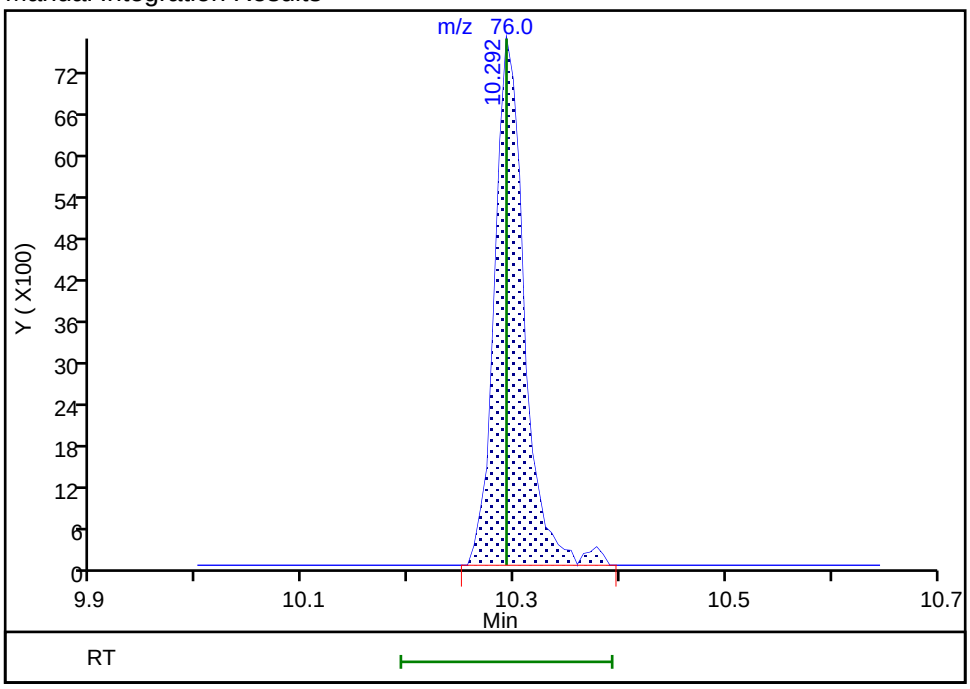
Processing Integration Results

RT: 10.29
Area: 14673
Amount: 0.190968
Amount Units: ug/l



Manual Integration Results

RT: 10.29
Area: 14952
Amount: 0.194096
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 12:04:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

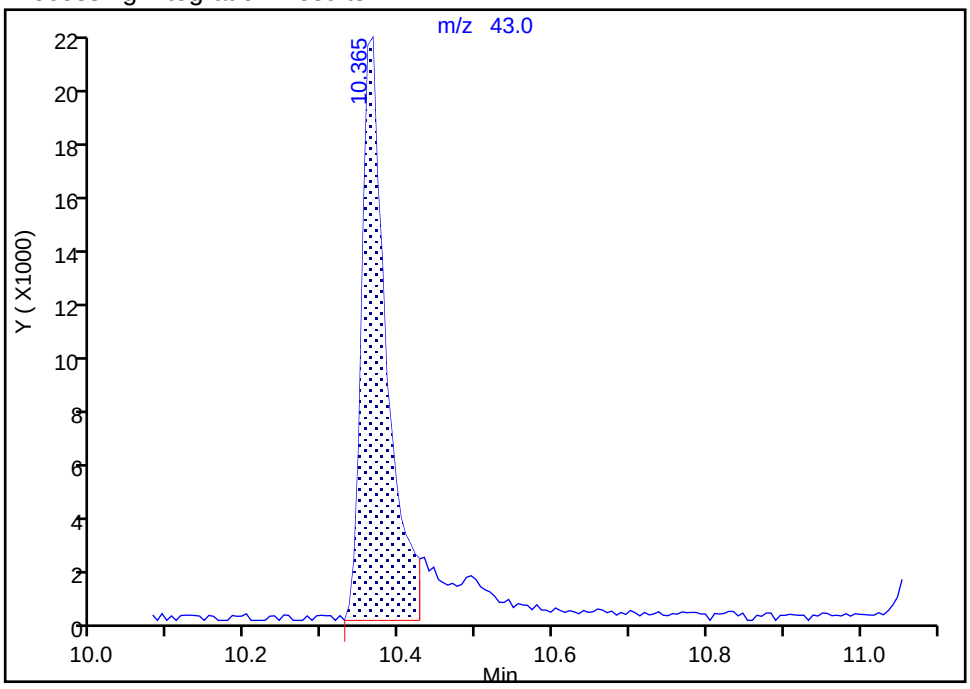
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D
Injection Date: 11-Mar-2021 21:40:30 Instrument ID: 10193
Lims ID: IC STD.2 Lg
Client ID:
Operator ID: SRK36897 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

82 2-Hexanone, CAS: 591-78-6

Signal: 1

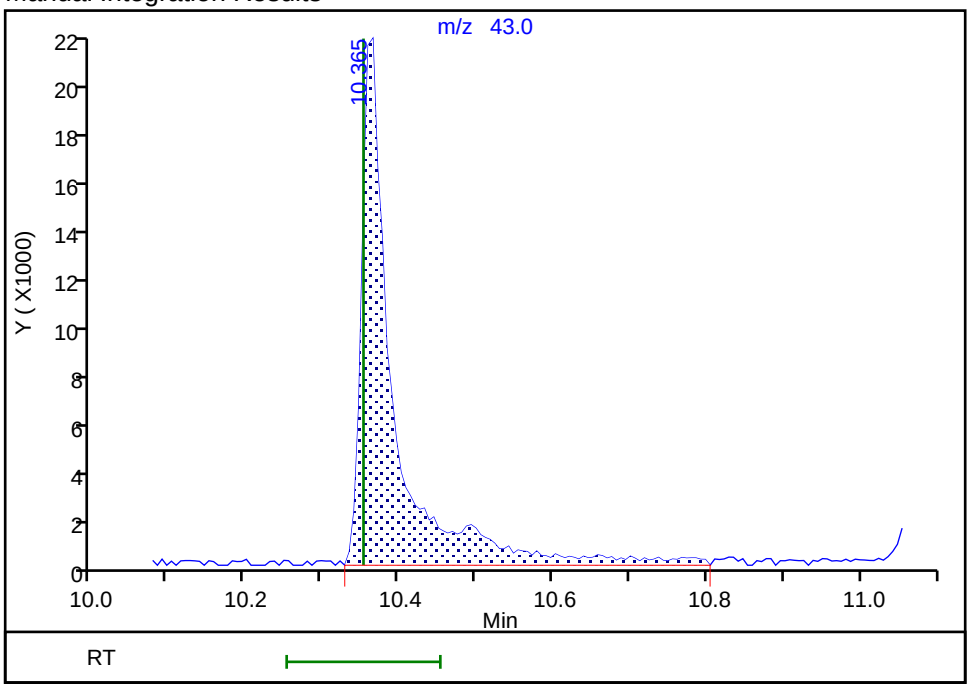
Processing Integration Results

RT: 10.37
Area: 49183
Amount: 1.542226
Amount Units: ug/l



Manual Integration Results

RT: 10.37
Area: 63799
Amount: 1.937123
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 12:06:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

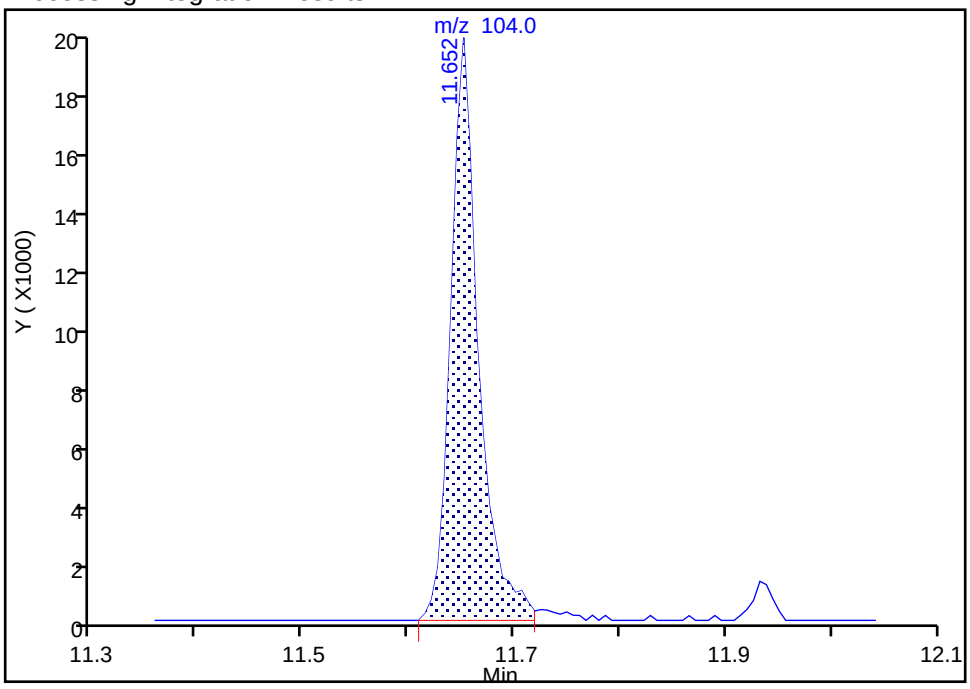
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D				
Injection Date:	11-Mar-2021 21:40:30	Instrument ID:	10193		
Lims ID:	IC STD.2 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

93 Styrene, CAS: 100-42-5

Signal: 1

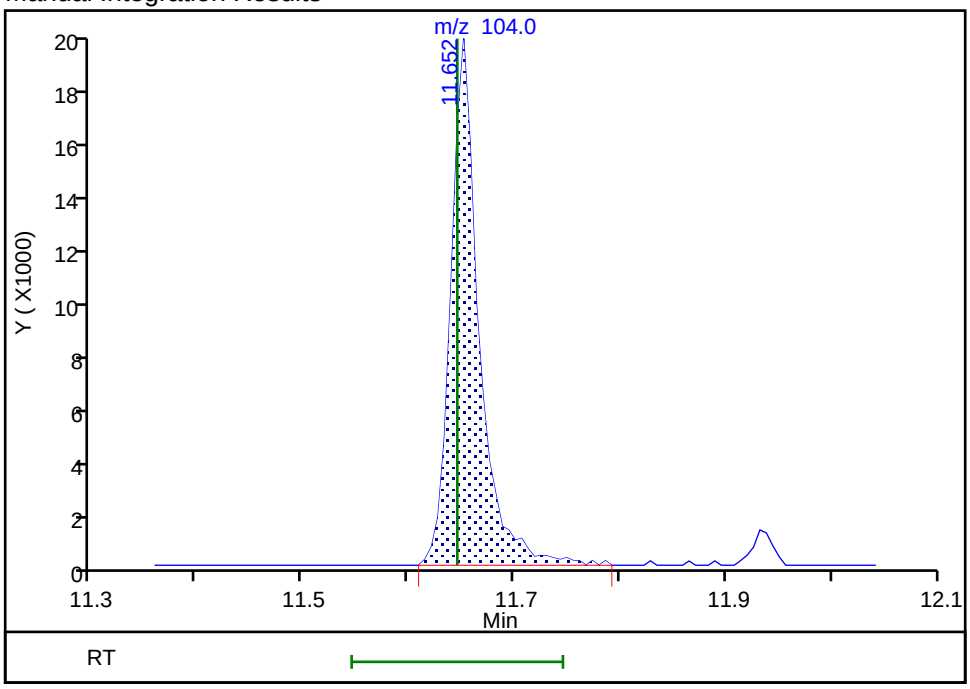
Processing Integration Results

RT: 11.65
Area: 36021
Amount: 0.185226
Amount Units: ug/l



Manual Integration Results

RT: 11.65
Area: 36816
Amount: 0.188763
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 12:07:10

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

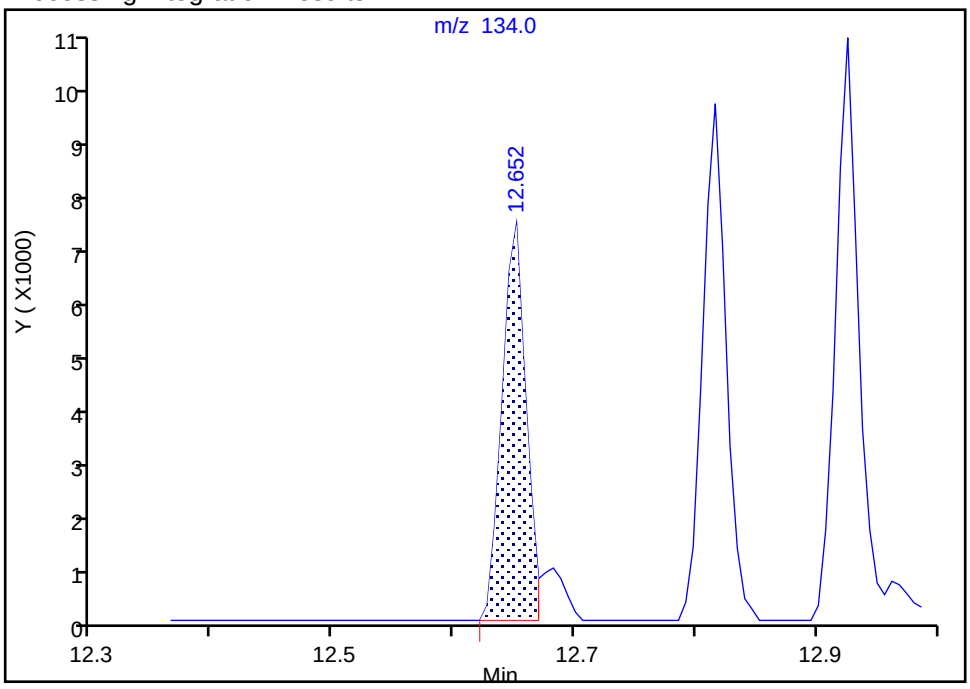
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D
Injection Date: 11-Mar-2021 21:40:30 Instrument ID: 10193
Lims ID: IC STD.2 Lg
Client ID:
Operator ID: SRK36897 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

107 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

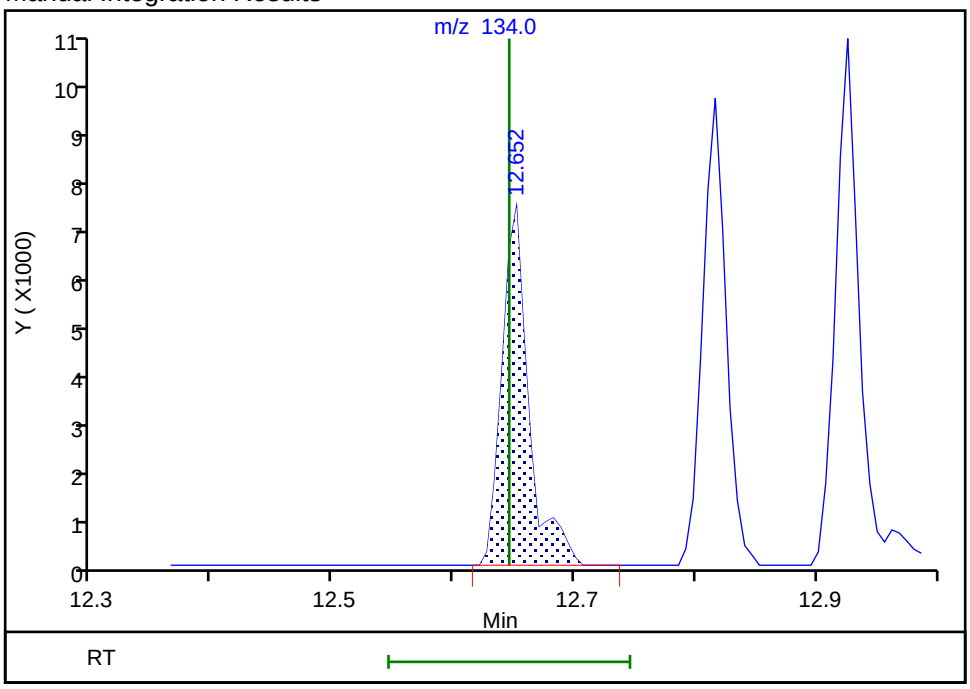
Processing Integration Results

RT: 12.65
Area: 9990
Amount: 0.179470
Amount Units: ug/l



Manual Integration Results

RT: 12.65
Area: 11161
Amount: 0.197538
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 10:53:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

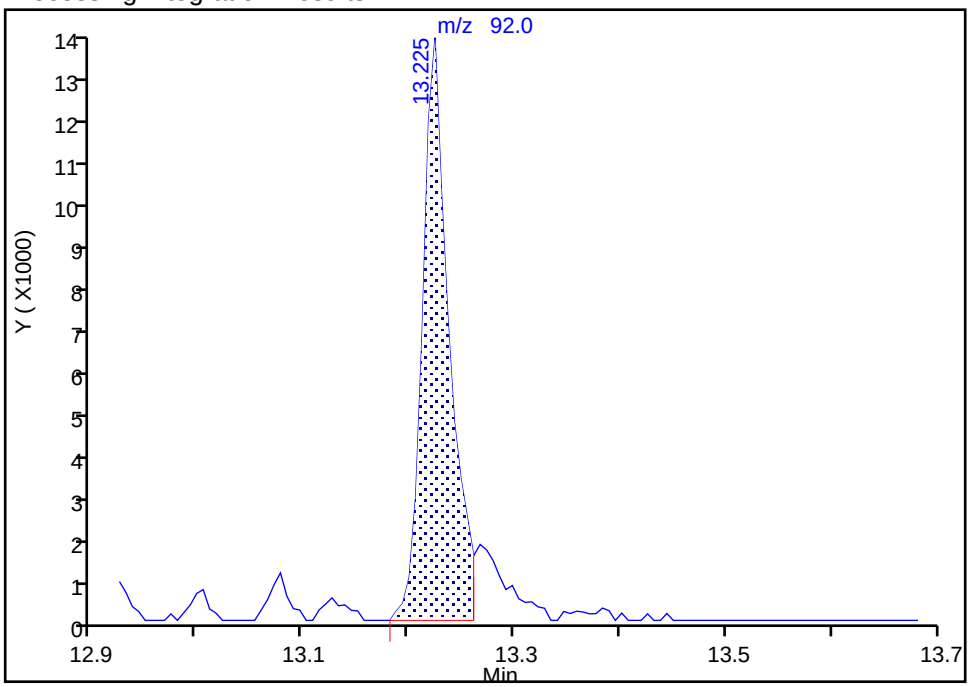
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D
Injection Date: 11-Mar-2021 21:40:30 Instrument ID: 10193
Lims ID: IC STD.2 Lg
Client ID:
Operator ID: SRK36897 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

119 n-Butylbenzene, CAS: 104-51-8

Signal: 1

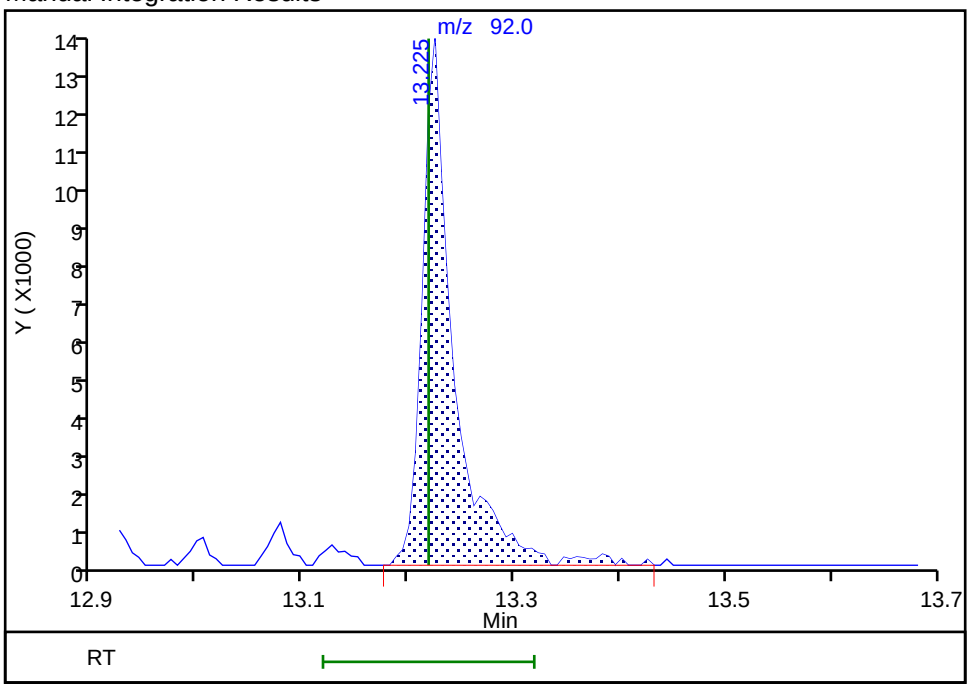
Processing Integration Results

RT: 13.22
Area: 24328
Amount: 0.167215
Amount Units: ug/l



Manual Integration Results

RT: 13.22
Area: 28518
Amount: 0.192064
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 10:54:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

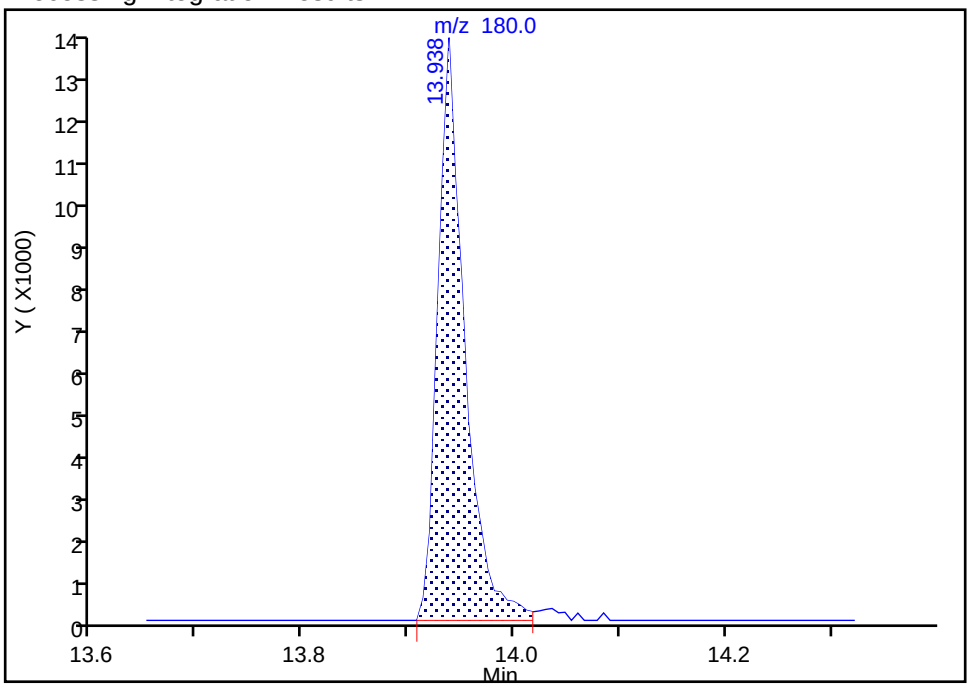
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D
Injection Date: 11-Mar-2021 21:40:30 Instrument ID: 10193
Lims ID: IC STD.2 Lg
Client ID:
Operator ID: SRK36897 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

124 1,3,5-Trichlorobenzene, CAS: 108-70-3

Signal: 1

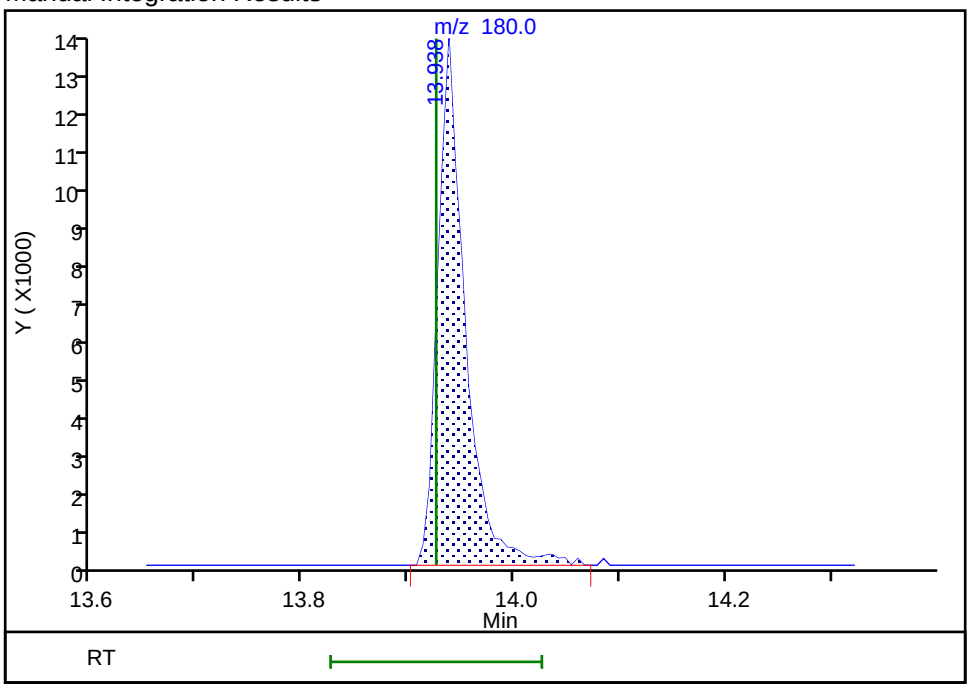
Processing Integration Results

RT: 13.94
Area: 23086
Amount: 0.193755
Amount Units: ug/l



Manual Integration Results

RT: 13.94
Area: 23542
Amount: 0.197043
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 12:08:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

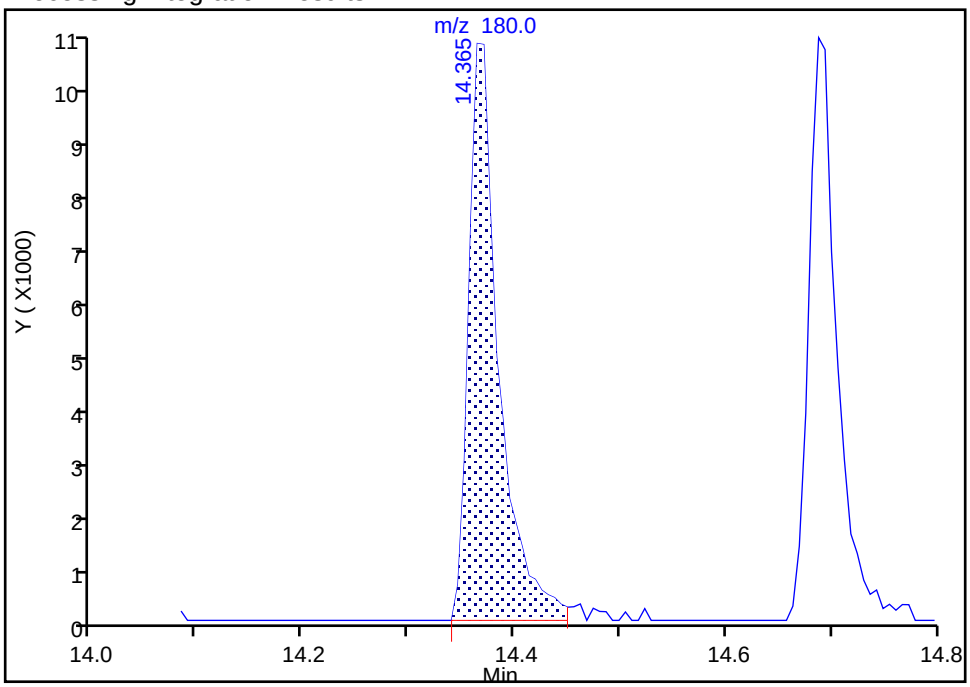
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D
Injection Date: 11-Mar-2021 21:40:30 Instrument ID: 10193
Lims ID: IC STD.2 Lg
Client ID:
Operator ID: SRK36897 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

125 1,2,4-Trichlorobenzene, CAS: 120-82-1

Signal: 1

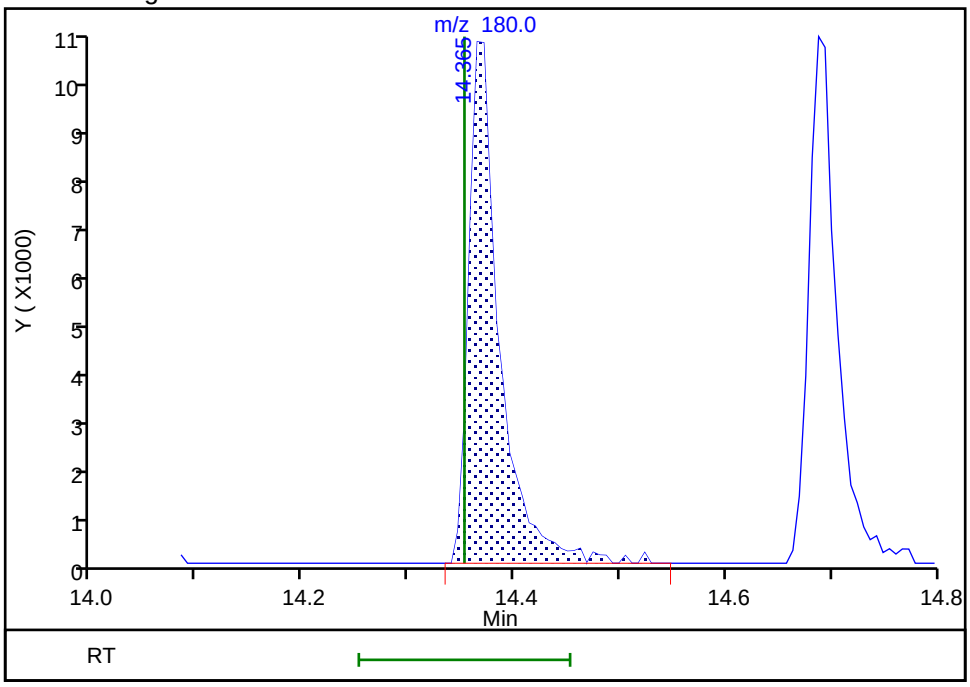
Processing Integration Results

RT: 14.36
Area: 20437
Amount: 0.191054
Amount Units: ug/l



Manual Integration Results

RT: 14.36
Area: 20963
Amount: 0.195286
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 12:08:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

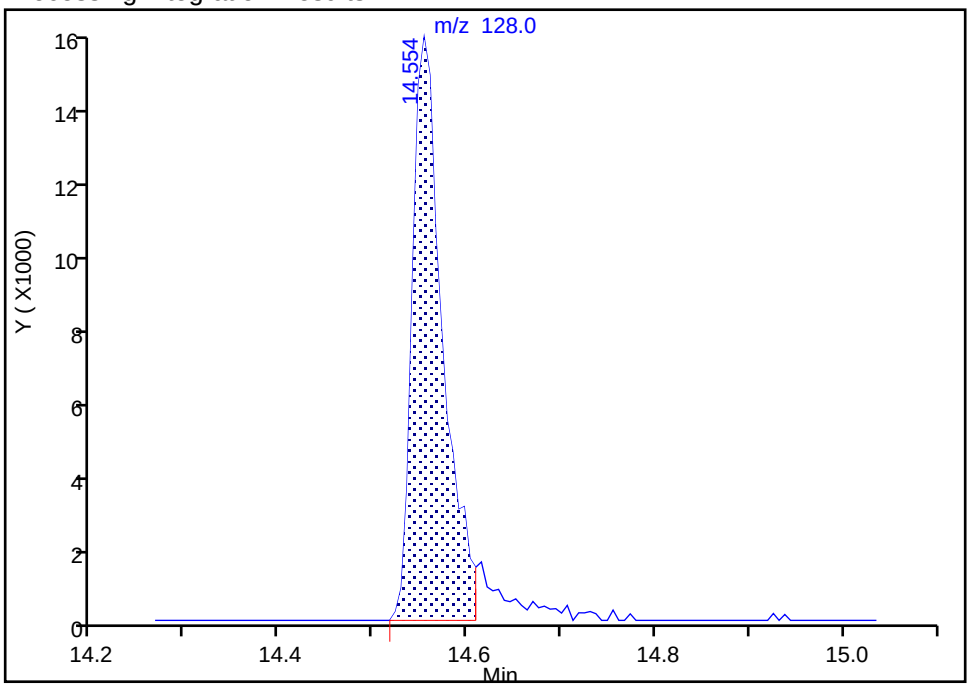
Data File:	\\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D				
Injection Date:	11-Mar-2021 21:40:30	Instrument ID:	10193		
Lims ID:	IC STD.2 Lg				
Client ID:					
Operator ID:	SRK36897	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

127 Naphthalene, CAS: 91-20-3

Signal: 1

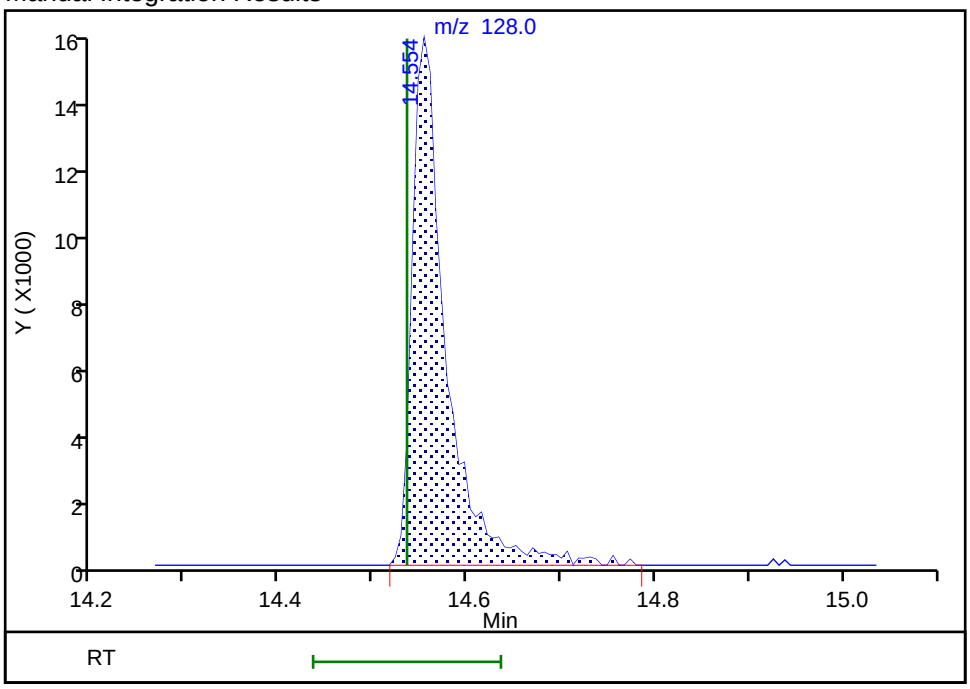
Processing Integration Results

RT: 14.55
Area: 33926
Amount: 0.177603
Amount Units: ug/l



Manual Integration Results

RT: 14.55
Area: 37493
Amount: 0.193693
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 10:54:51

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

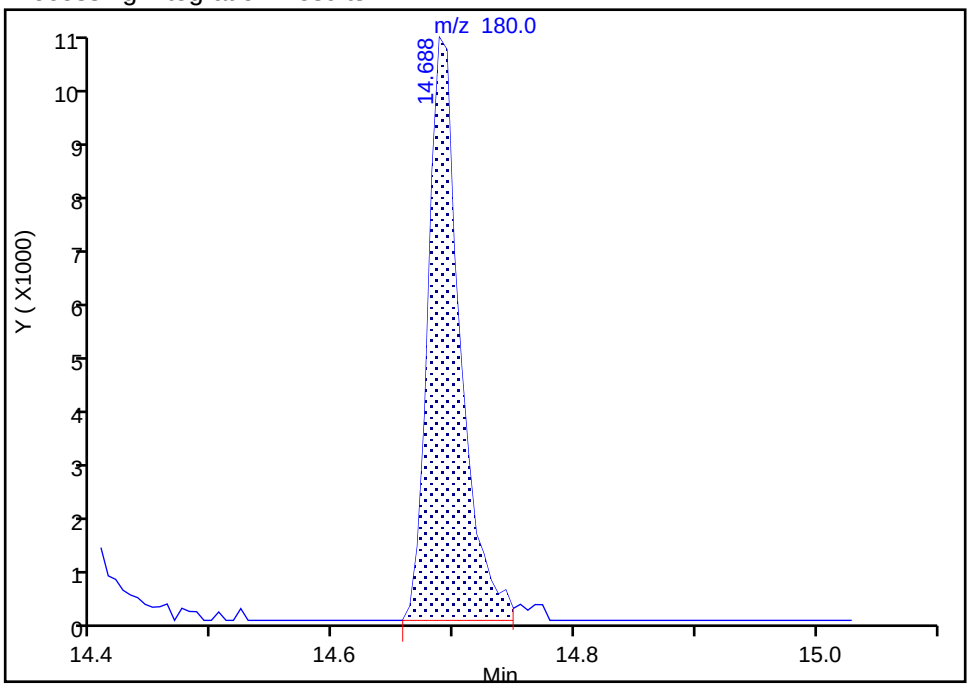
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D
Injection Date: 11-Mar-2021 21:40:30 Instrument ID: 10193
Lims ID: IC STD.2 Lg
Client ID:
Operator ID: SRK36897 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

128 1,2,3-Trichlorobenzene, CAS: 87-61-6

Signal: 1

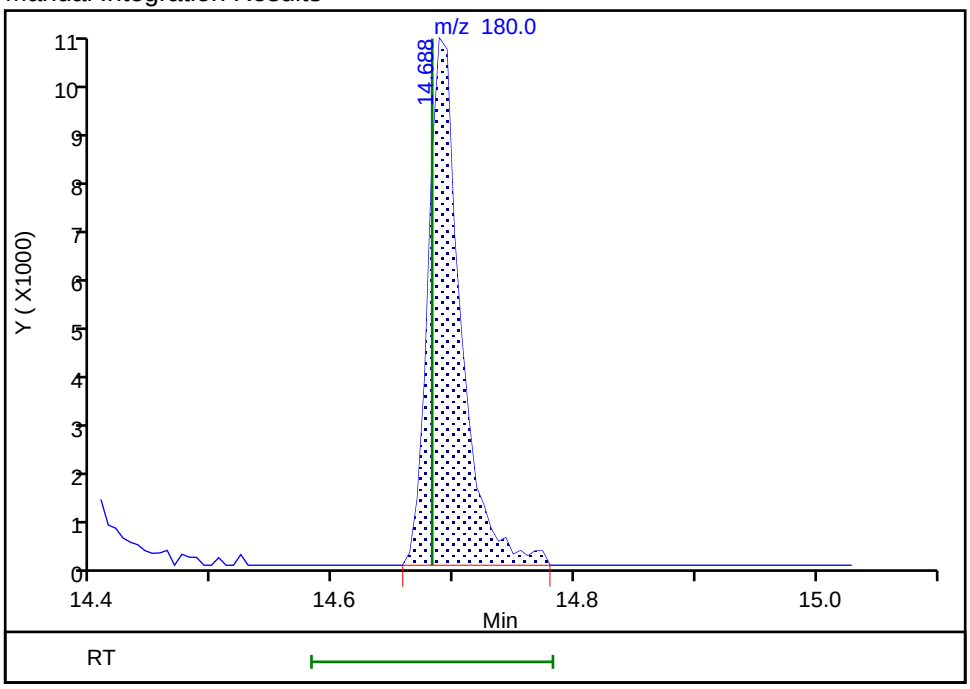
Processing Integration Results

RT: 14.69
Area: 19346
Amount: 0.203346
Amount Units: ug/l



Manual Integration Results

RT: 14.69
Area: 19725
Amount: 0.206741
Amount Units: ug/l



Reviewer: knouses, 12-Mar-2021 12:08:33
Audit Action: Manually Integrated 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

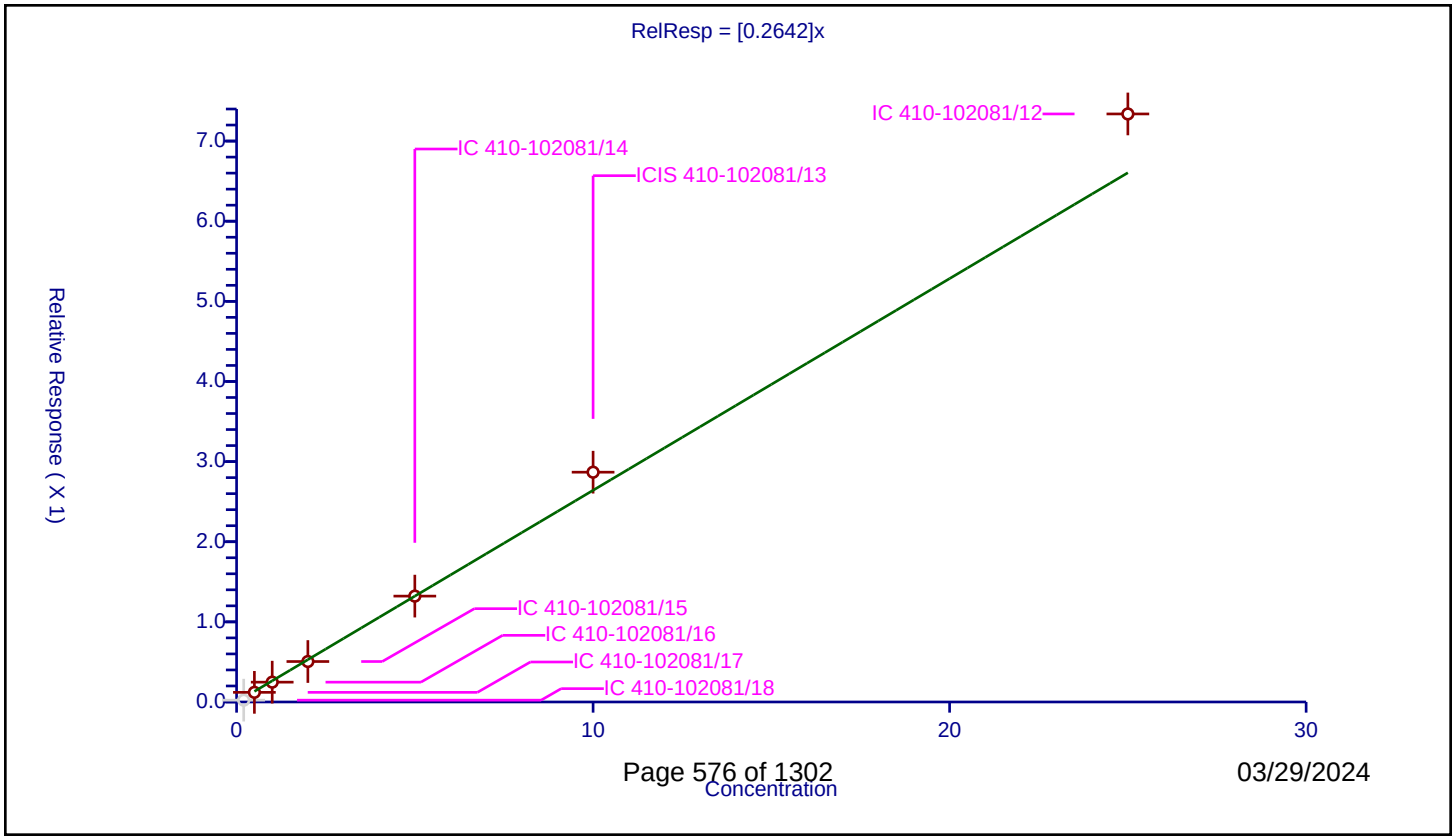
Curve Coefficients

Intercept:	0
Slope:	0.2642

Error Coefficients

Standard Error:	805000
Relative Standard Error:	8.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.022842	10.0	2149149.0	0.114208	N
2	IC 410-102081/17	0.5	0.120372	10.0	2186974.0	0.240744	Y
3	IC 410-102081/16	1.0	0.247409	10.0	2195473.0	0.247409	Y
4	IC 410-102081/15	2.0	0.504879	10.0	2201773.0	0.25244	Y
5	IC 410-102081/14	5.0	1.321275	10.0	2225895.0	0.264255	Y
6	ICIS 410-102081/13	10.0	2.867669	10.0	2227977.0	0.286767	Y
7	IC 410-102081/12	25.0	7.338311	10.0	2252002.0	0.293532	Y



Calibration / Chloromethane

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

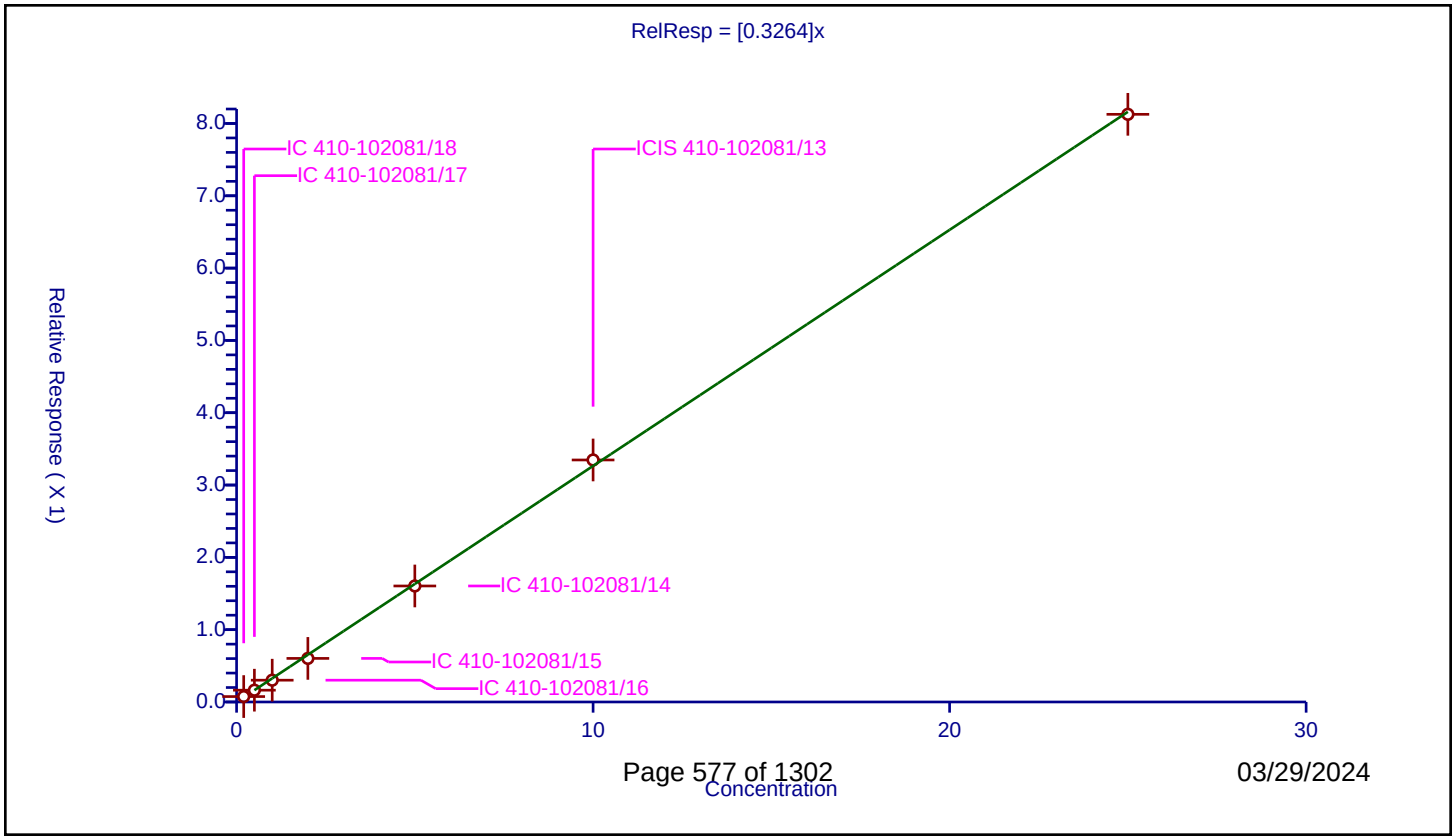
Curve Coefficients

Intercept:	0
Slope:	0.3264

Error Coefficients

Standard Error:	822000
Relative Standard Error:	7.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.075039	10.0	2149149.0	0.375195	Y
2	IC 410-102081/17	0.5	0.163244	10.0	2186974.0	0.326488	Y
3	IC 410-102081/16	1.0	0.30137	10.0	2195473.0	0.30137	Y
4	IC 410-102081/15	2.0	0.602701	10.0	2201773.0	0.30135	Y
5	IC 410-102081/14	5.0	1.604469	10.0	2225895.0	0.320894	Y
6	ICIS 410-102081/13	10.0	3.346875	10.0	2227977.0	0.334687	Y
7	IC 410-102081/12	25.0	8.126627	10.0	2252002.0	0.325065	Y



Calibration / Butadiene

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

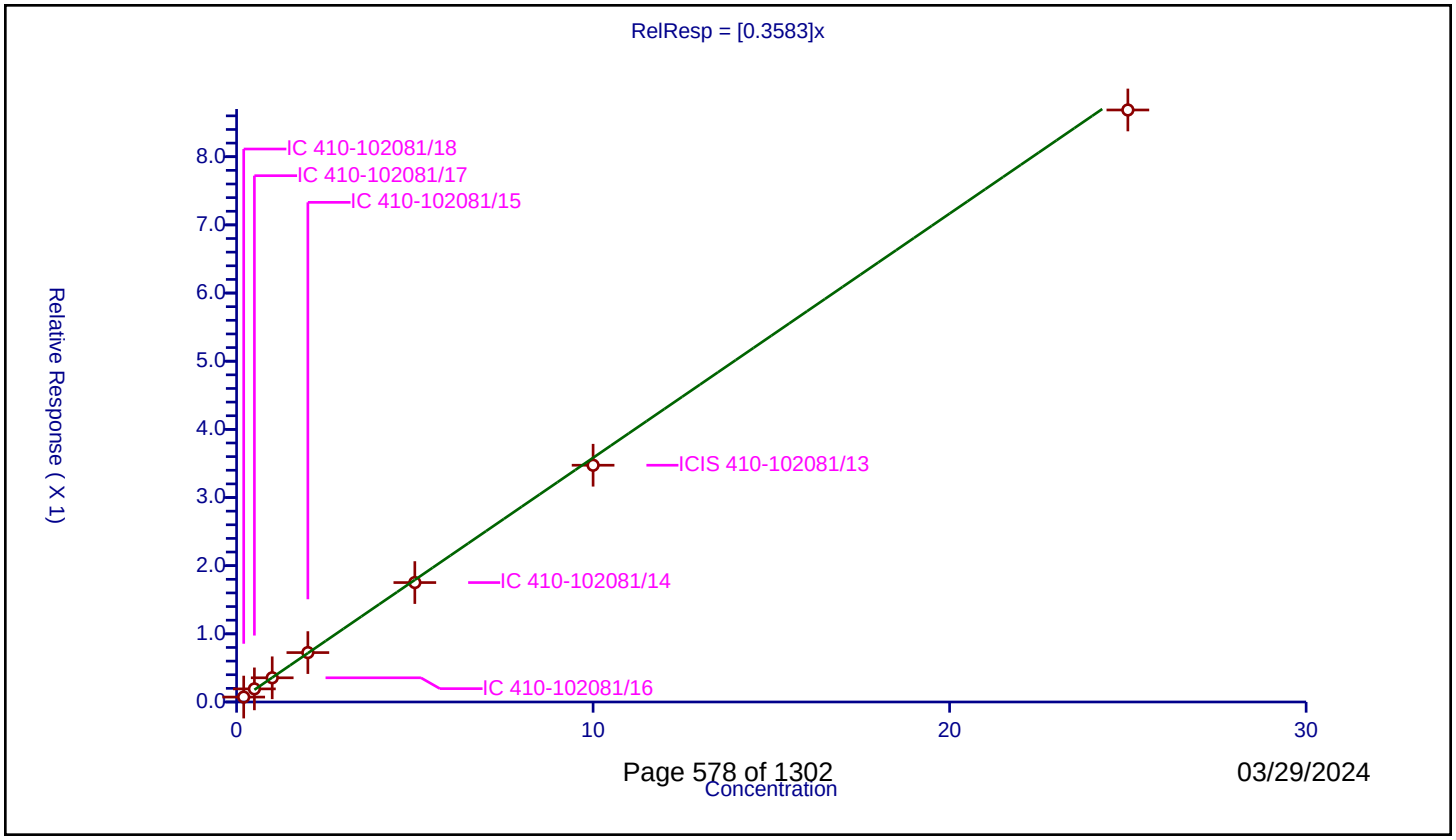
Curve Coefficients

Intercept:	0
Slope:	0.3583

Error Coefficients

Standard Error:	877000
Relative Standard Error:	3.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.072108	10.0	2149149.0	0.360538	Y
2	IC 410-102081/17	0.5	0.192302	10.0	2186974.0	0.384604	Y
3	IC 410-102081/16	1.0	0.355249	10.0	2195473.0	0.355249	Y
4	IC 410-102081/15	2.0	0.724734	10.0	2201773.0	0.362367	Y
5	IC 410-102081/14	5.0	1.752279	10.0	2225895.0	0.350456	Y
6	ICIS 410-102081/13	10.0	3.473541	10.0	2227977.0	0.347354	Y
7	IC 410-102081/12	25.0	8.685805	10.0	2252002.0	0.347432	Y



Calibration / Vinyl chloride

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

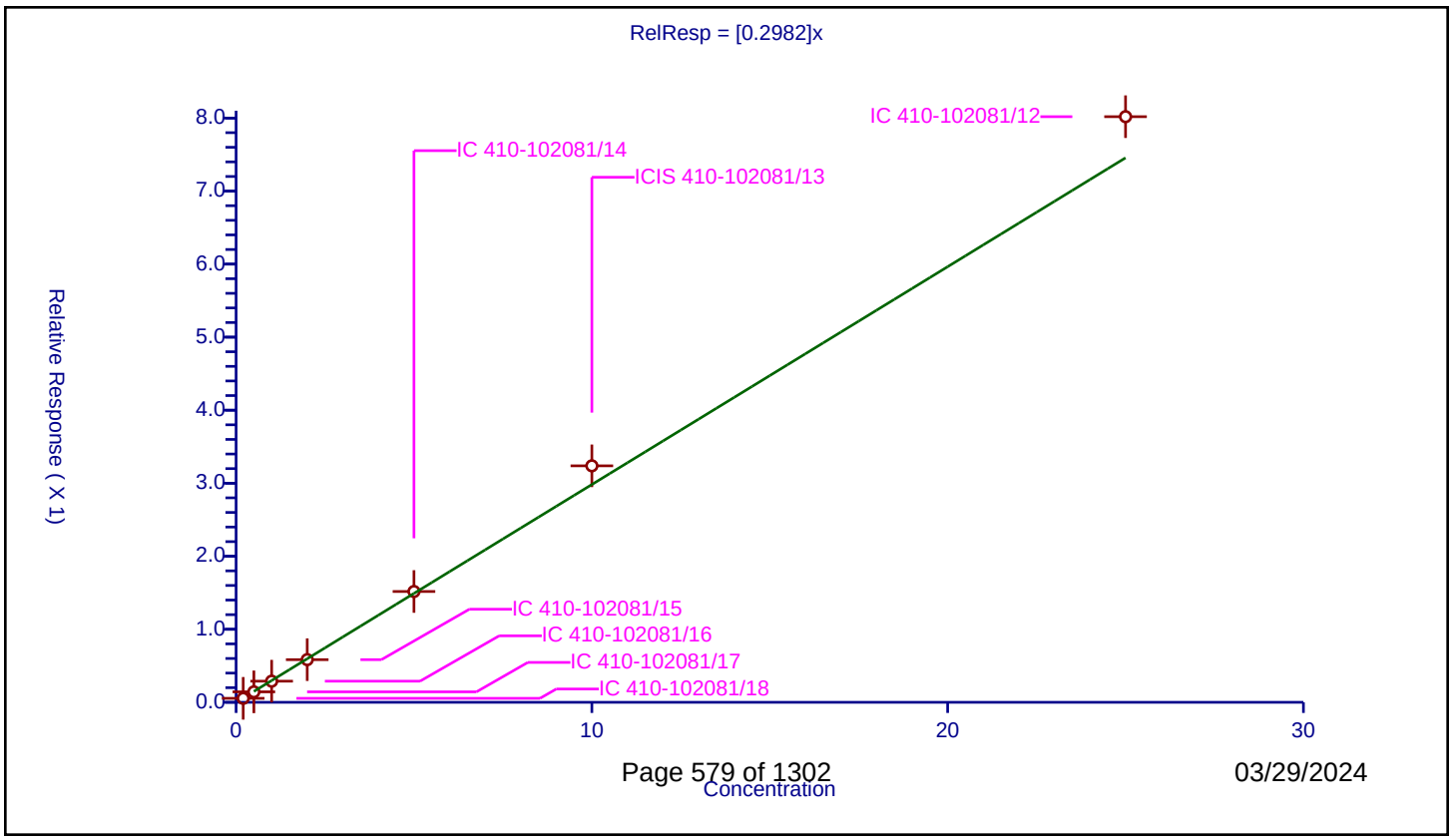
Curve Coefficients

Intercept:	0
Slope:	0.2982

Error Coefficients

Standard Error:	808000
Relative Standard Error:	6.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.054305	10.0	2149149.0	0.271526	Y
2	IC 410-102081/17	0.5	0.143239	10.0	2186974.0	0.286478	Y
3	IC 410-102081/16	1.0	0.289373	10.0	2195473.0	0.289373	Y
4	IC 410-102081/15	2.0	0.584197	10.0	2201773.0	0.292099	Y
5	IC 410-102081/14	5.0	1.517354	10.0	2225895.0	0.303471	Y
6	ICIS 410-102081/13	10.0	3.238	10.0	2227977.0	0.3238	Y
7	IC 410-102081/12	25.0	8.018909	10.0	2252002.0	0.320756	Y



Calibration / Bromomethane

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

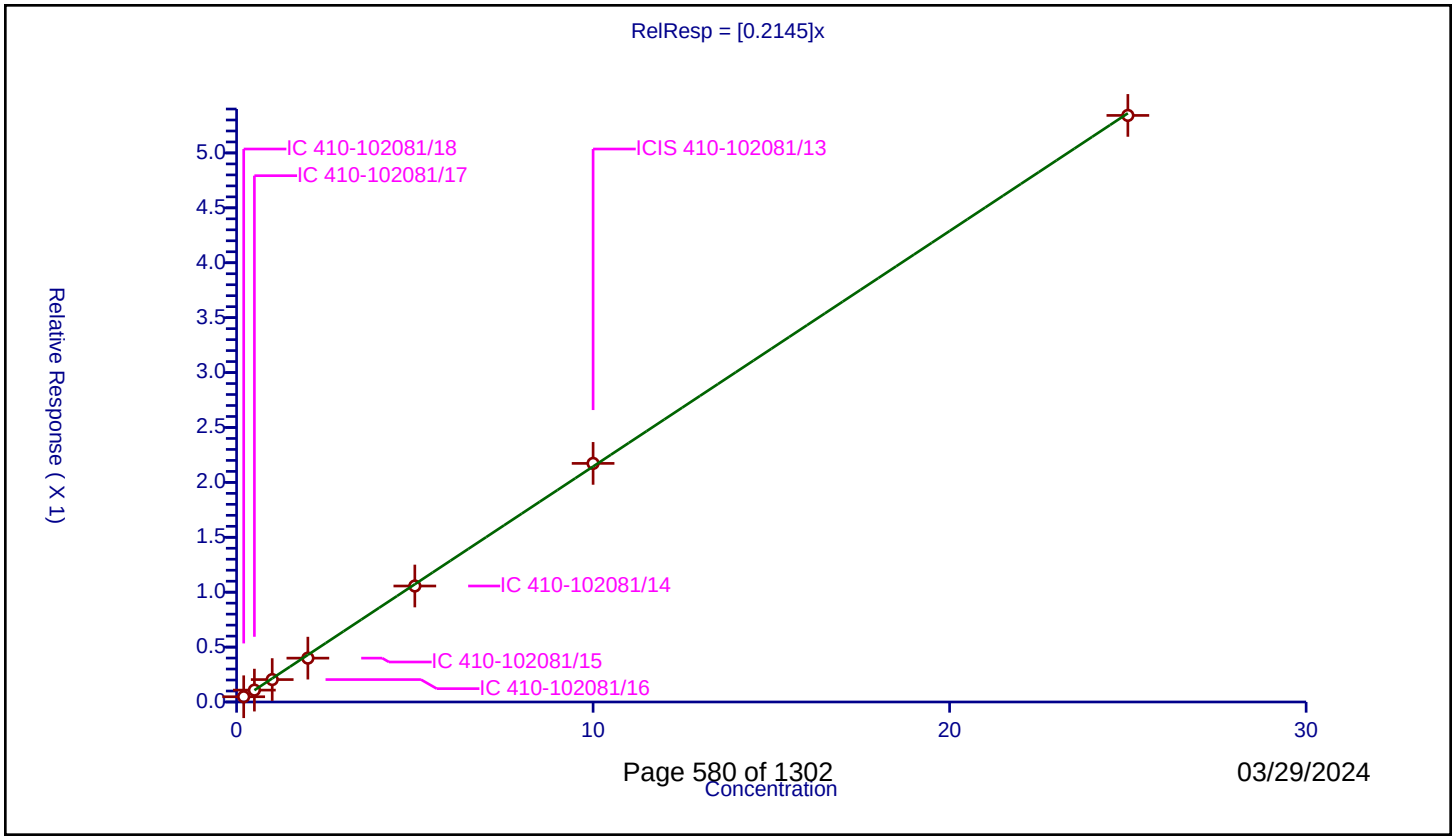
Curve Coefficients

Intercept:	0
Slope:	0.2145

Error Coefficients

Standard Error:	540000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.047754	10.0	2149149.0	0.238769	Y
2	IC 410-102081/17	0.5	0.108232	10.0	2186974.0	0.216463	Y
3	IC 410-102081/16	1.0	0.204029	10.0	2195473.0	0.204029	Y
4	IC 410-102081/15	2.0	0.399424	10.0	2201773.0	0.199712	Y
5	IC 410-102081/14	5.0	1.056285	10.0	2225895.0	0.211257	Y
6	ICIS 410-102081/13	10.0	2.172756	10.0	2227977.0	0.217276	Y
7	IC 410-102081/12	25.0	5.341727	10.0	2252002.0	0.213669	Y



Calibration / Chloroethane

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

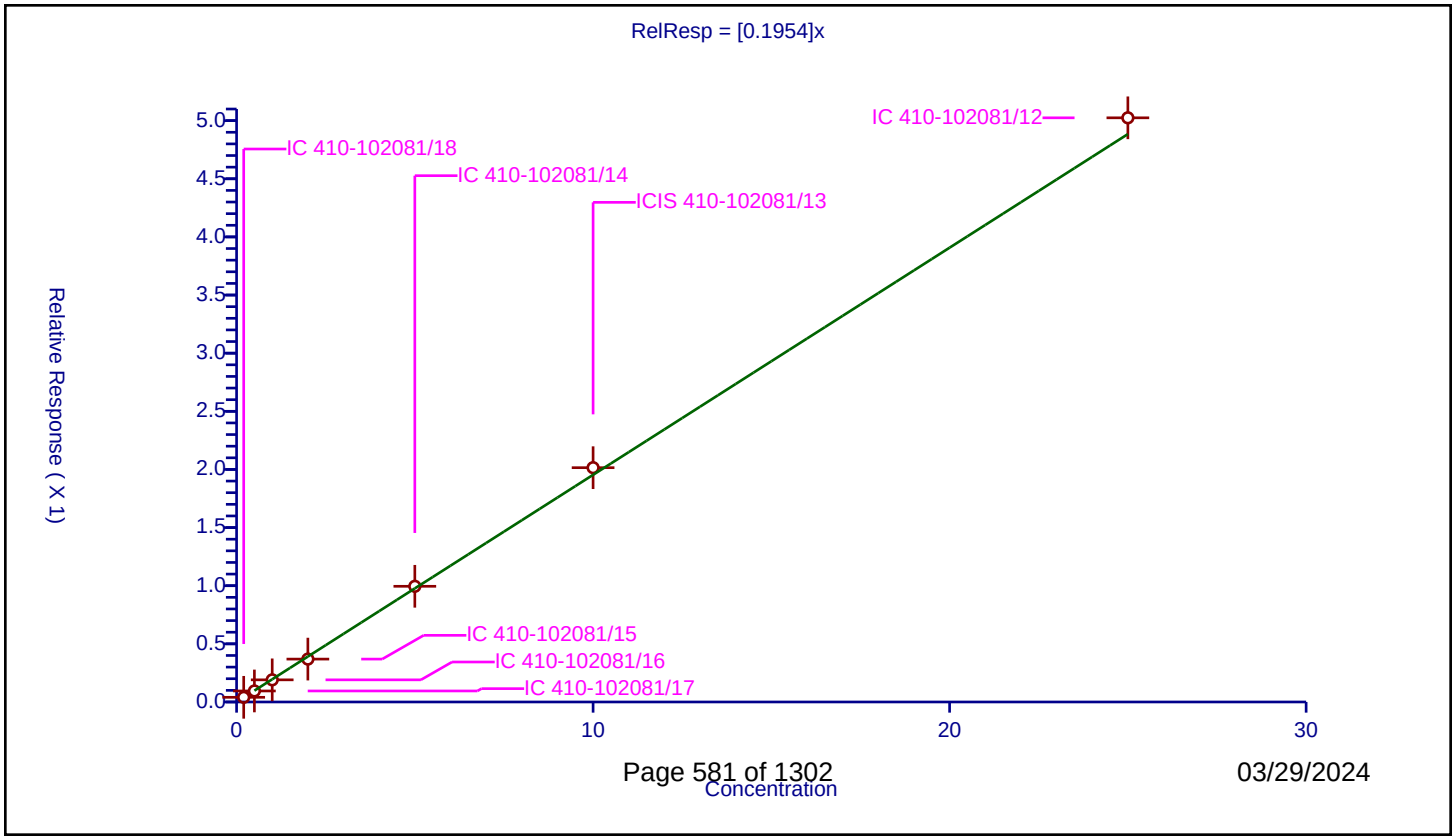
Curve Coefficients

Intercept:	0
Slope:	0.1954

Error Coefficients

Standard Error:	507000
Relative Standard Error:	3.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.040253	10.0	2149149.0	0.201266	Y
2	IC 410-102081/17	0.5	0.094917	10.0	2186974.0	0.189833	Y
3	IC 410-102081/16	1.0	0.19051	10.0	2195473.0	0.19051	Y
4	IC 410-102081/15	2.0	0.368894	10.0	2201773.0	0.184447	Y
5	IC 410-102081/14	5.0	0.994948	10.0	2225895.0	0.19899	Y
6	ICIS 410-102081/13	10.0	2.015272	10.0	2227977.0	0.201527	Y
7	IC 410-102081/12	25.0	5.024401	10.0	2252002.0	0.200976	Y



Calibration / Dichlorofluoromethane

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

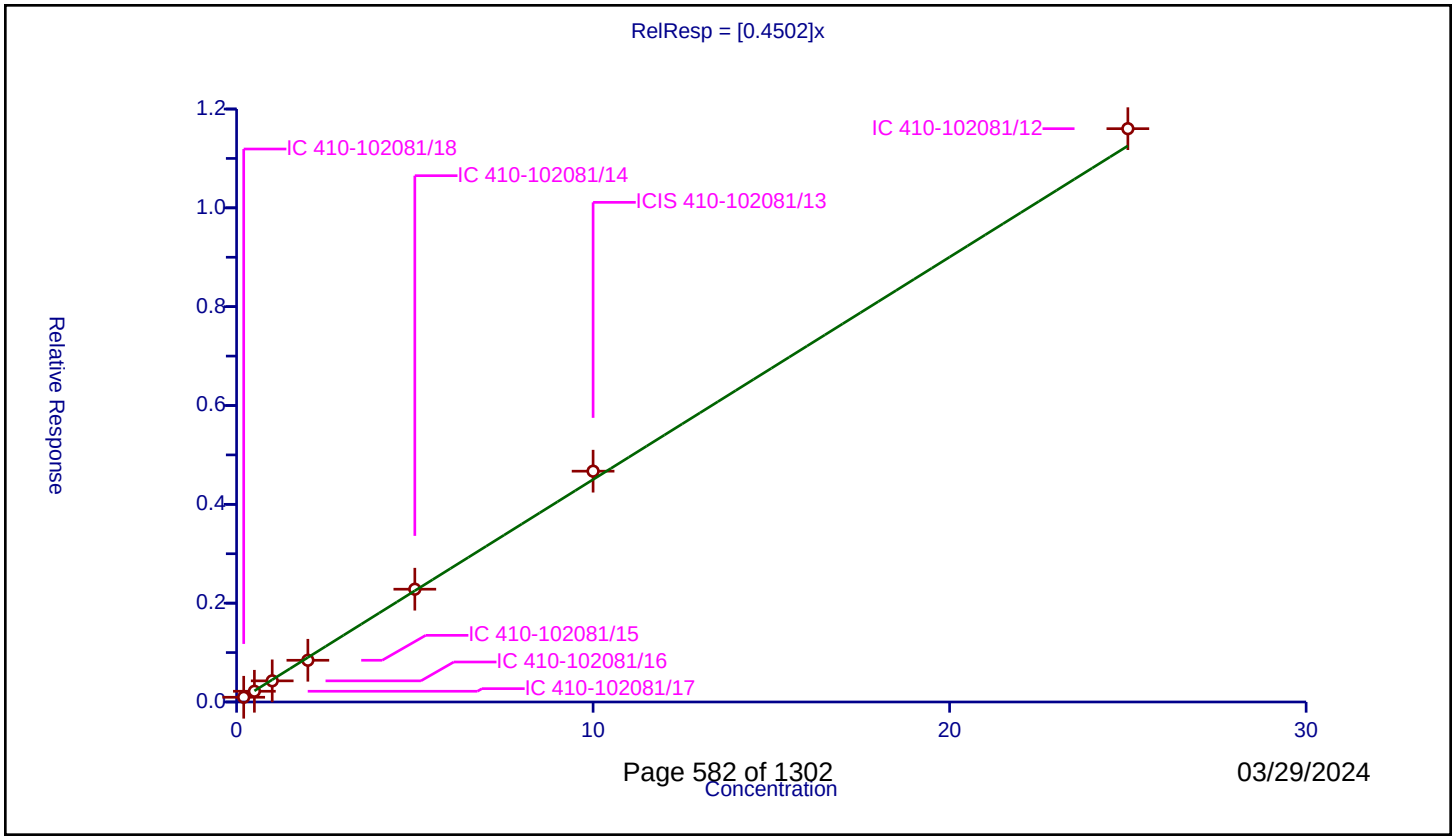
Curve Coefficients

Intercept:	0
Slope:	0.4502

Error Coefficients

Standard Error:	1170000
Relative Standard Error:	4.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.095838	10.0	2149149.0	0.47919	Y
2	IC 410-102081/17	0.5	0.217245	10.0	2186974.0	0.434491	Y
3	IC 410-102081/16	1.0	0.42778	10.0	2195473.0	0.42778	Y
4	IC 410-102081/15	2.0	0.844342	10.0	2201773.0	0.422171	Y
5	IC 410-102081/14	5.0	2.282295	10.0	2225895.0	0.456459	Y
6	ICIS 410-102081/13	10.0	4.671229	10.0	2227977.0	0.467123	Y
7	IC 410-102081/12	25.0	11.602334	10.0	2252002.0	0.464093	Y



Calibration / Trichlorofluoromethane

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

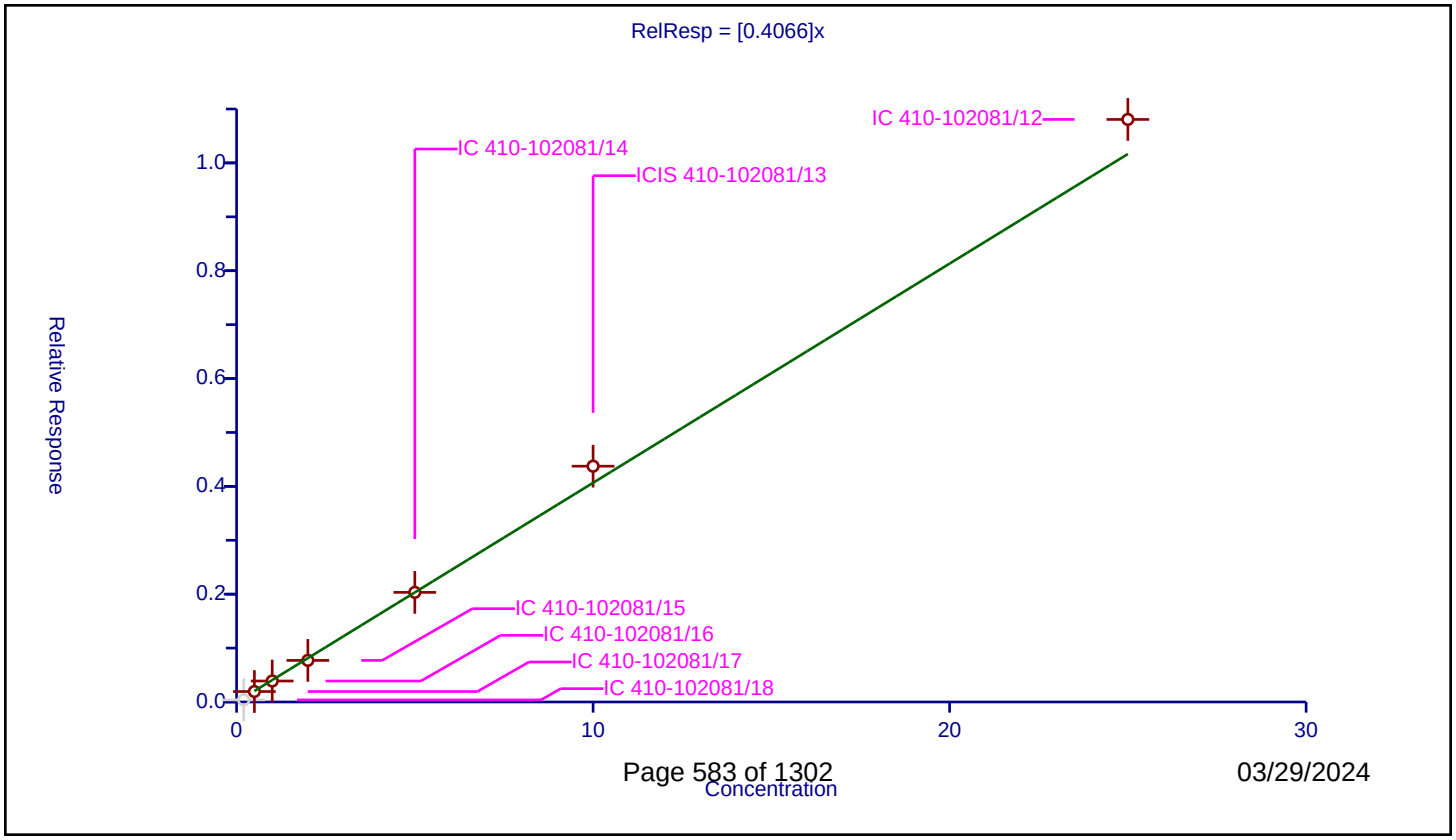
Curve Coefficients

Intercept:	0
Slope:	0.4066

Error Coefficients

Standard Error:	1190000
Relative Standard Error:	5.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.038727	10.0	2149149.0	0.193635	N
2	IC 410-102081/17	0.5	0.194195	10.0	2186974.0	0.388391	Y
3	IC 410-102081/16	1.0	0.389114	10.0	2195473.0	0.389114	Y
4	IC 410-102081/15	2.0	0.771655	10.0	2201773.0	0.385828	Y
5	IC 410-102081/14	5.0	2.03351	10.0	2225895.0	0.406702	Y
6	ICIS 410-102081/13	10.0	4.374228	10.0	2227977.0	0.437423	Y
7	IC 410-102081/12	25.0	10.806367	10.0	2252002.0	0.432255	Y



Calibration / Ethyl ether

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

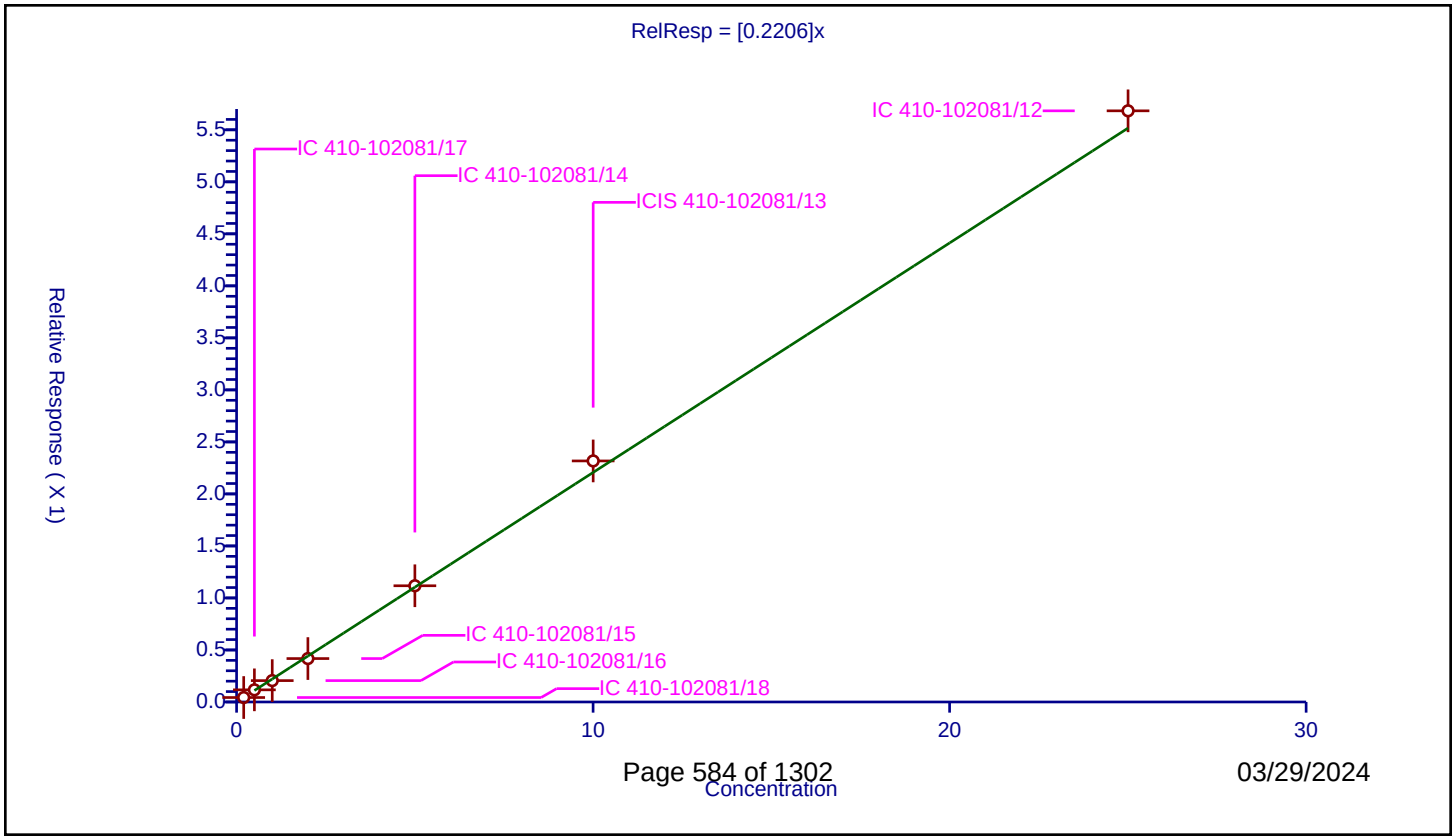
Curve Coefficients

Intercept:	0
Slope:	0.2206

Error Coefficients

Standard Error:	574000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.200043	0.042947	10.0	2149149.0	0.21469	Y
2	IC 410-102081/17	0.500108	0.1167	10.0	2186974.0	0.23335	Y
3	IC 410-102081/16	1.000215	0.205395	10.0	2195473.0	0.205351	Y
4	IC 410-102081/15	2.00043	0.417418	10.0	2201773.0	0.208664	Y
5	IC 410-102081/14	5.001075	1.117146	10.0	2225895.0	0.223381	Y
6	ICIS 410-102081/13	10.00215	2.317196	10.0	2227977.0	0.23167	Y
7	IC 410-102081/12	25.005375	5.682606	10.0	2252002.0	0.227255	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

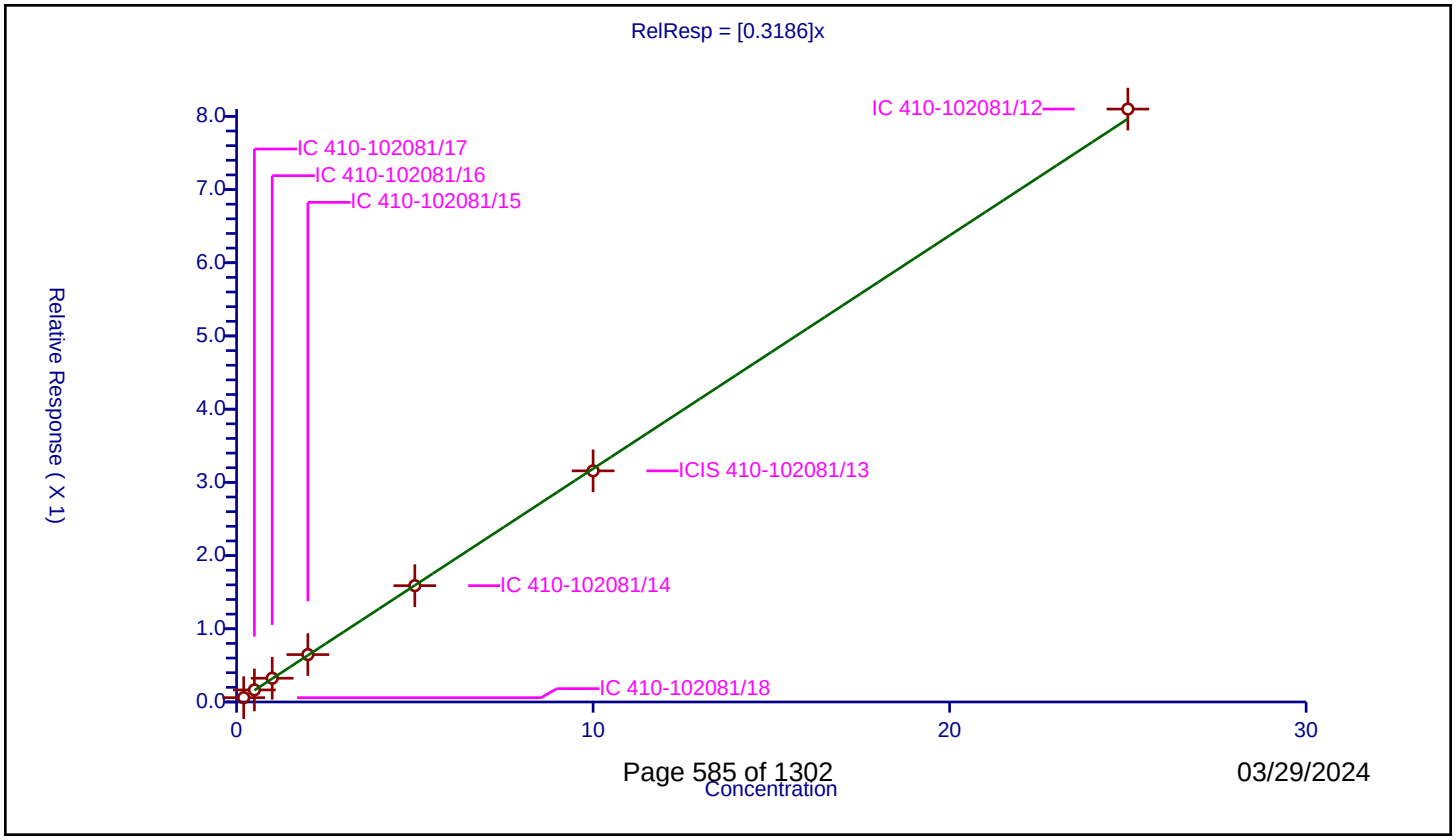
Curve Coefficients

Intercept:	0
Slope:	0.3186

Error Coefficients

Standard Error:	814000
Relative Standard Error:	3.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.059056	10.0	2149149.0	0.29528	Y
2	IC 410-102081/17	0.5	0.164734	10.0	2186974.0	0.329469	Y
3	IC 410-102081/16	1.0	0.324486	10.0	2195473.0	0.324486	Y
4	IC 410-102081/15	2.0	0.647419	10.0	2201773.0	0.32371	Y
5	IC 410-102081/14	5.0	1.589145	10.0	2225895.0	0.317829	Y
6	ICIS 410-102081/13	10.0	3.15725	10.0	2227977.0	0.315725	Y
7	IC 410-102081/12	25.0	8.099309	10.0	2252002.0	0.323972	Y



Calibration / Acrolein

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

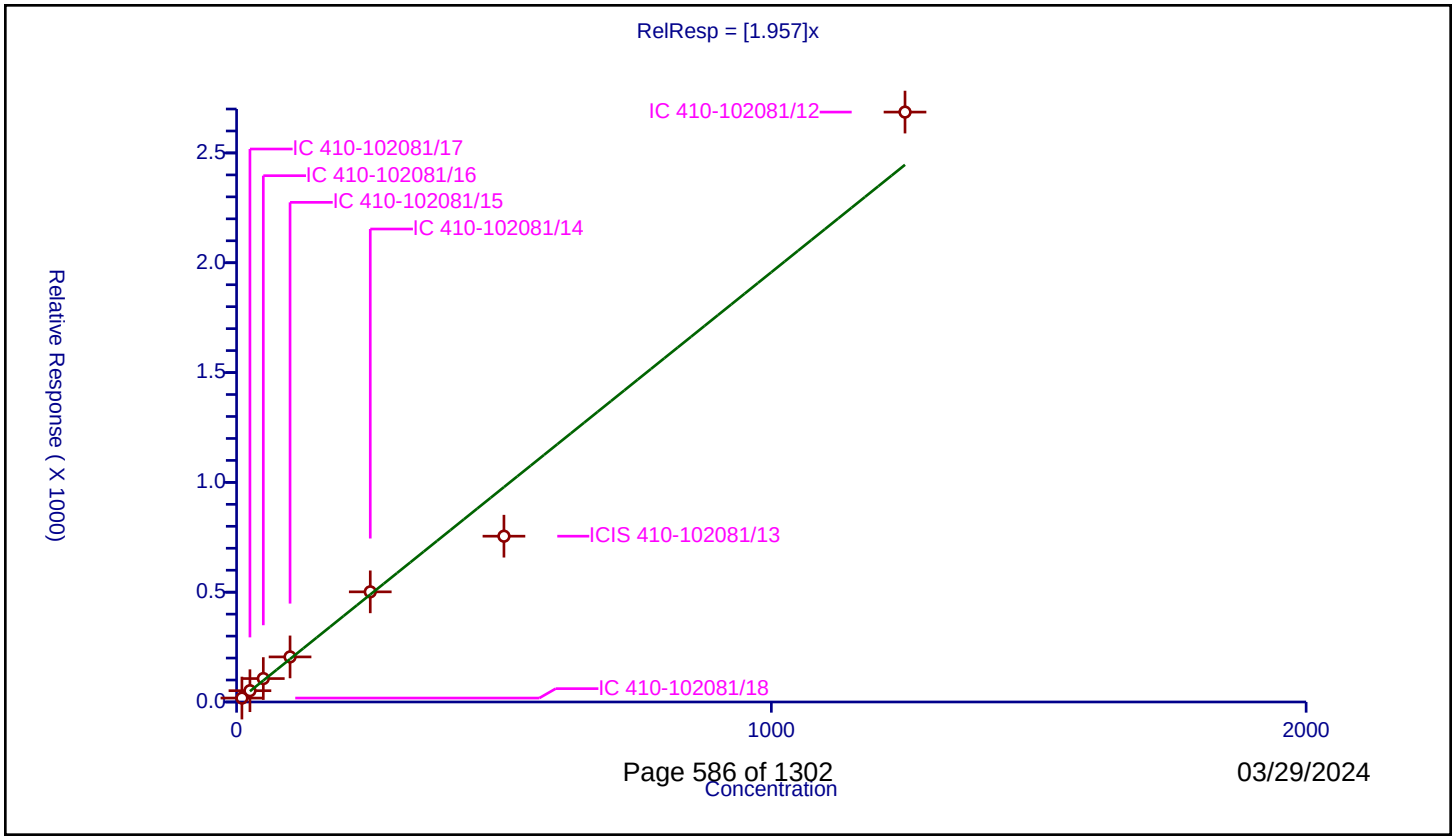
Curve Coefficients

Intercept:	0
Slope:	1.957

Error Coefficients

Standard Error:	3700000
Relative Standard Error:	11.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	9.999544	17.896248	50.0	174165.0	1.789706	Y
2	IC 410-102081/17	24.998861	51.42559	50.0	171087.0	2.057117	Y
3	IC 410-102081/16	49.997722	106.695219	50.0	165663.0	2.134002	Y
4	IC 410-102081/15	99.995444	205.27058	50.0	173036.0	2.052799	Y
5	IC 410-102081/14	249.988611	501.565224	50.0	171477.0	2.006352	Y
6	ICIS 410-102081/13	499.977222	754.887682	50.0	195338.0	1.509844	Y
7	IC 410-102081/12	1249.943055	2686.006028	50.0	155617.0	2.148903	Y



Calibration / 1,1-Dichloroethene

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

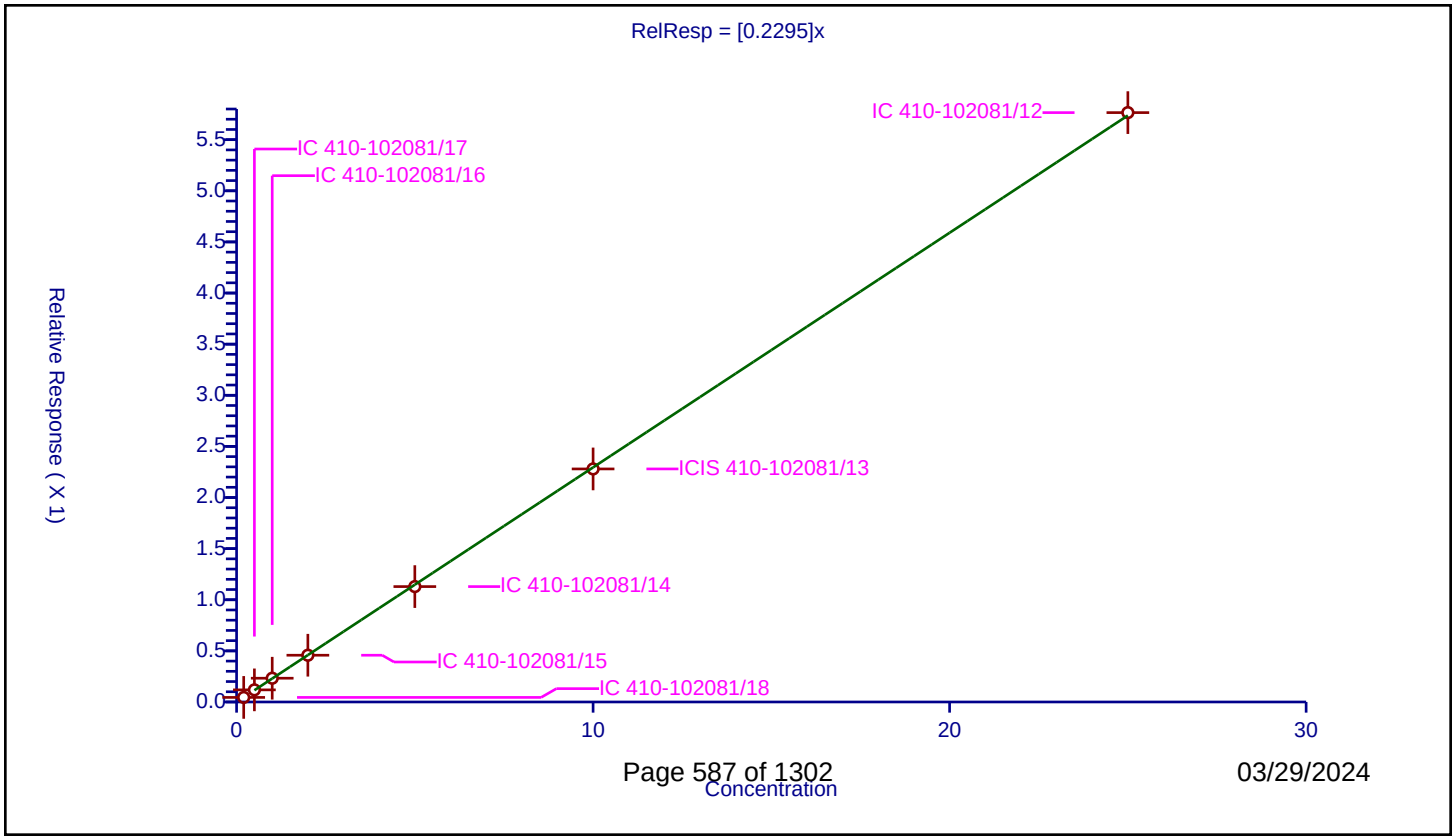
Curve Coefficients

Intercept:	0
Slope:	0.2295

Error Coefficients

Standard Error:	580000
Relative Standard Error:	1.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.044799	10.0	2149149.0	0.223996	Y
2	IC 410-102081/17	0.5	0.118465	10.0	2186974.0	0.23693	Y
3	IC 410-102081/16	1.0	0.232437	10.0	2195473.0	0.232437	Y
4	IC 410-102081/15	2.0	0.457313	10.0	2201773.0	0.228657	Y
5	IC 410-102081/14	5.0	1.128661	10.0	2225895.0	0.225732	Y
6	ICIS 410-102081/13	10.0	2.279431	10.0	2227977.0	0.227943	Y
7	IC 410-102081/12	25.0	5.764782	10.0	2252002.0	0.230591	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

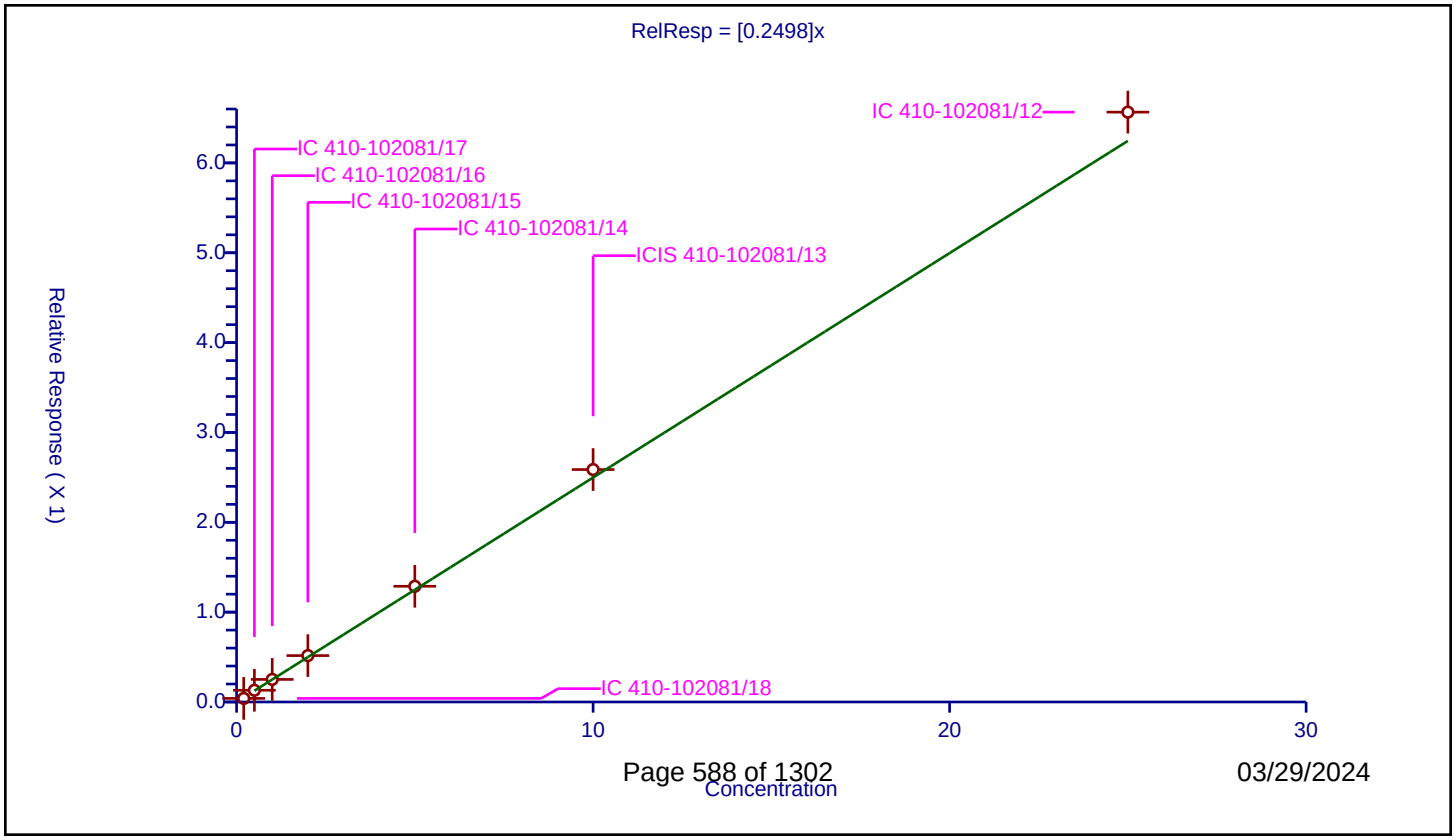
Curve Coefficients

Intercept:	0
Slope:	0.2498

Error Coefficients

Standard Error:	660000
Relative Standard Error:	9.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.039858	10.0	2149149.0	0.199288	Y
2	IC 410-102081/17	0.5	0.130523	10.0	2186974.0	0.261046	Y
3	IC 410-102081/16	1.0	0.251294	10.0	2195473.0	0.251294	Y
4	IC 410-102081/15	2.0	0.516348	10.0	2201773.0	0.258174	Y
5	IC 410-102081/14	5.0	1.287904	10.0	2225895.0	0.257581	Y
6	ICIS 410-102081/13	10.0	2.587096	10.0	2227977.0	0.25871	Y
7	IC 410-102081/12	25.0	6.565305	10.0	2252002.0	0.262612	Y



Calibration / Acetone

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

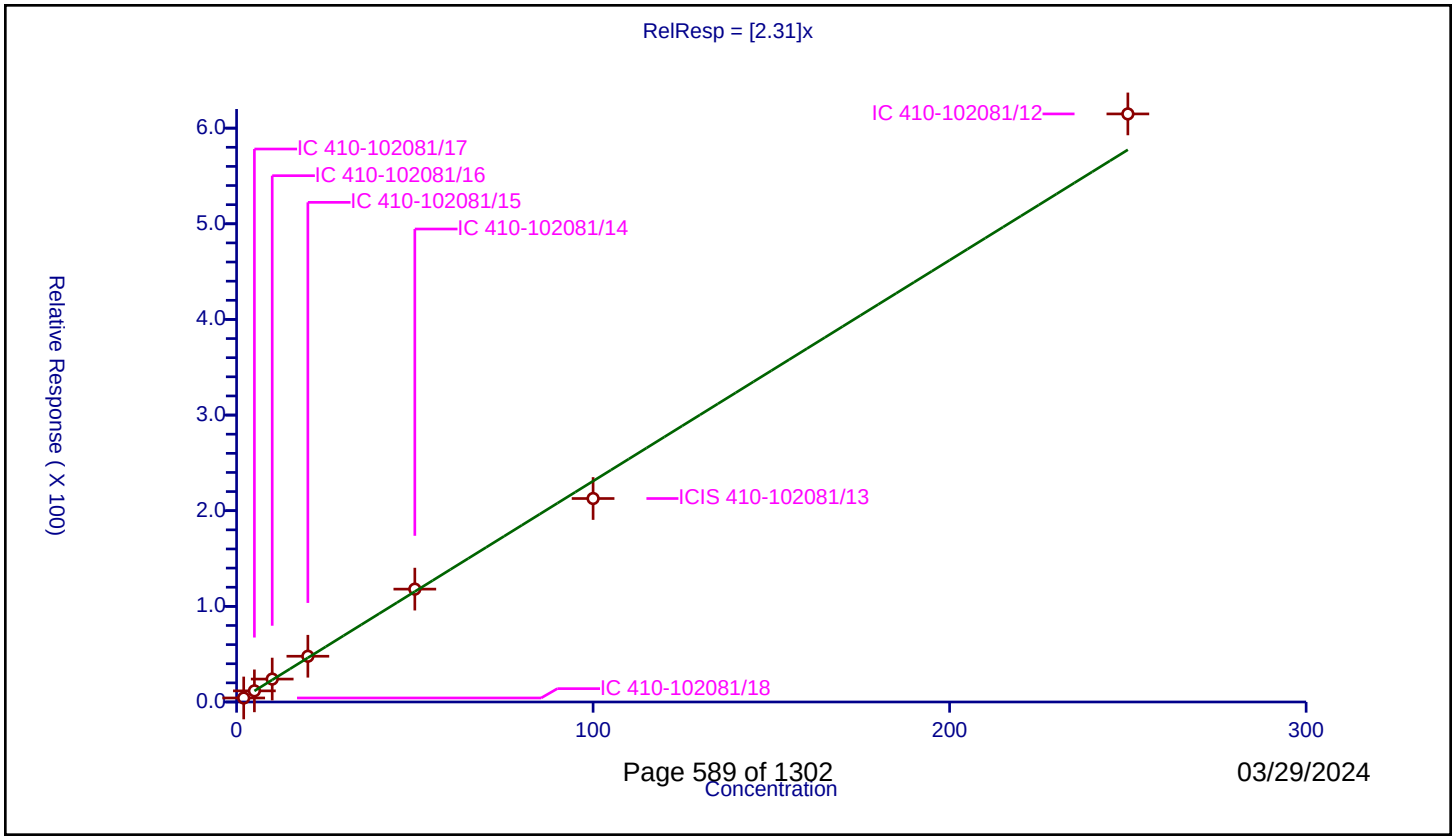
Curve Coefficients

Intercept:	0
Slope:	2.31

Error Coefficients

Standard Error:	871000
Relative Standard Error:	6.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	2.0	4.207217	50.0	174165.0	2.103609	Y
2	IC 410-102081/17	5.0	11.641153	50.0	171087.0	2.328231	Y
3	IC 410-102081/16	10.0	23.963408	50.0	165663.0	2.396341	Y
4	IC 410-102081/15	20.0	47.828776	50.0	173036.0	2.391439	Y
5	IC 410-102081/14	50.0	118.02195	50.0	171477.0	2.360439	Y
6	ICIS 410-102081/13	100.0	212.76275	50.0	195338.0	2.127627	Y
7	IC 410-102081/12	250.0	614.875945	50.0	155617.0	2.459504	Y



Calibration / Iodomethane

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

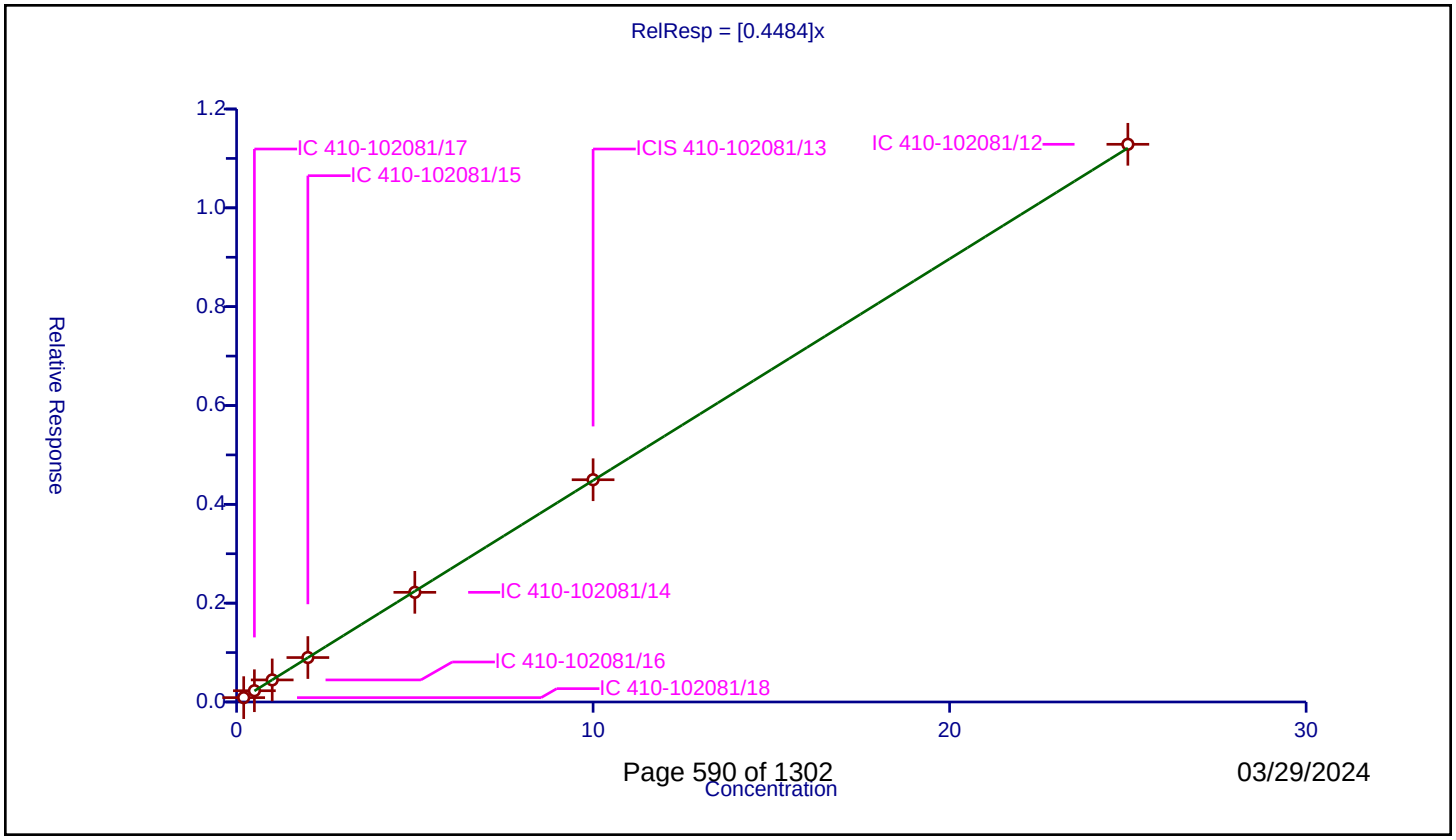
Curve Coefficients

Intercept:	0
Slope:	0.4484

Error Coefficients

Standard Error:	1140000
Relative Standard Error:	1.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.088365	10.0	2149149.0	0.441826	Y
2	IC 410-102081/17	0.5	0.227785	10.0	2186974.0	0.45557	Y
3	IC 410-102081/16	1.0	0.446423	10.0	2195473.0	0.446423	Y
4	IC 410-102081/15	2.0	0.899552	10.0	2201773.0	0.449776	Y
5	IC 410-102081/14	5.0	2.219341	10.0	2225895.0	0.443868	Y
6	ICIS 410-102081/13	10.0	4.497834	10.0	2227977.0	0.449783	Y
7	IC 410-102081/12	25.0	11.285807	10.0	2252002.0	0.451432	Y



Calibration / Ethyl bromide

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

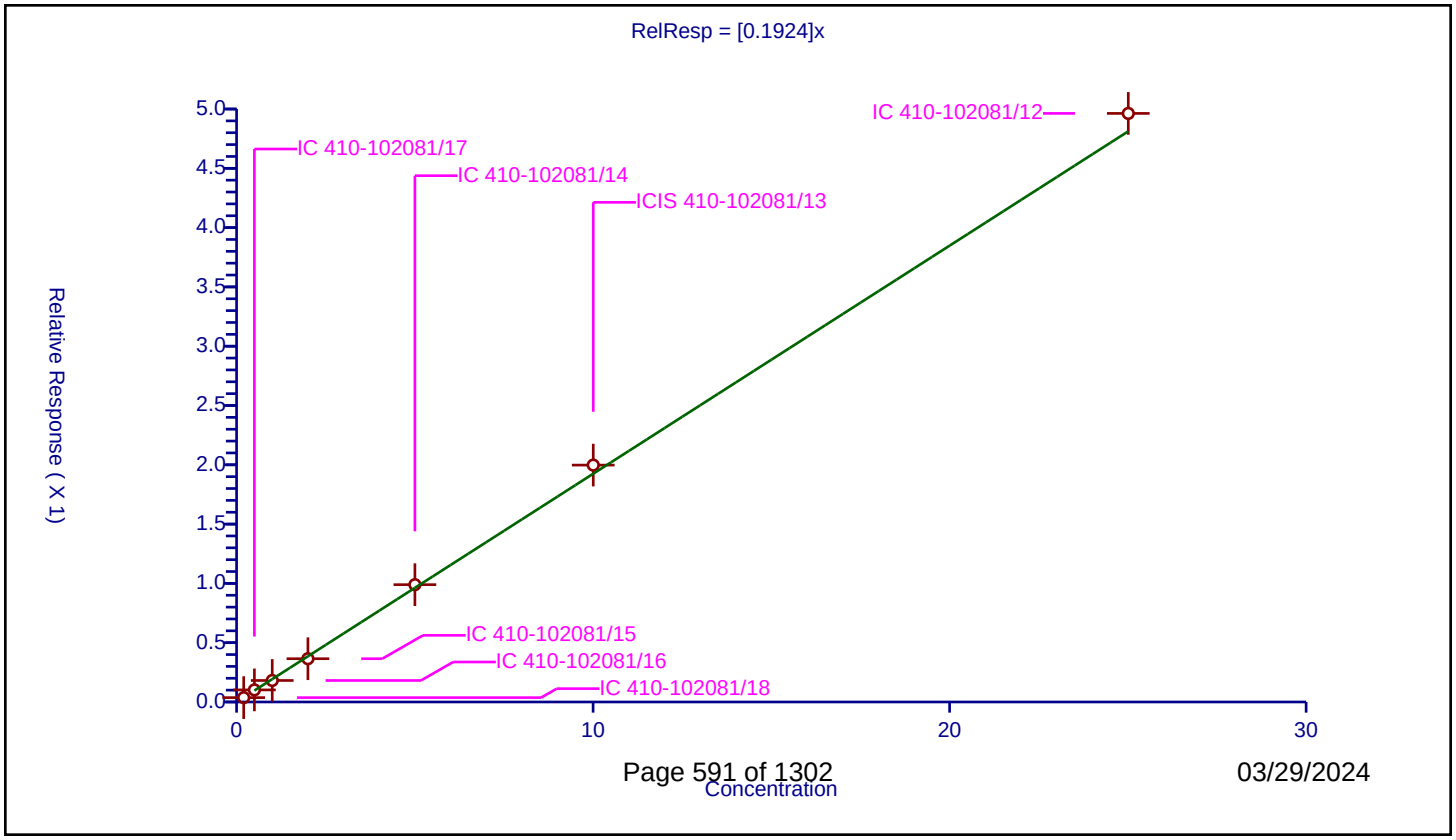
Curve Coefficients

Intercept:	0
Slope:	0.1924

Error Coefficients

Standard Error:	501000
Relative Standard Error:	5.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.200096	0.03667	10.0	2149149.0	0.183264	Y
2	IC 410-102081/17	0.50024	0.102077	10.0	2186974.0	0.204056	Y
3	IC 410-102081/16	1.00048	0.181314	10.0	2195473.0	0.181227	Y
4	IC 410-102081/15	2.00096	0.364815	10.0	2201773.0	0.18232	Y
5	IC 410-102081/14	5.0024	0.989189	10.0	2225895.0	0.197743	Y
6	ICIS 410-102081/13	10.0048	1.997606	10.0	2227977.0	0.199665	Y
7	IC 410-102081/12	25.012	4.962784	10.0	2252002.0	0.198416	Y



Calibration / Carbon disulfide

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

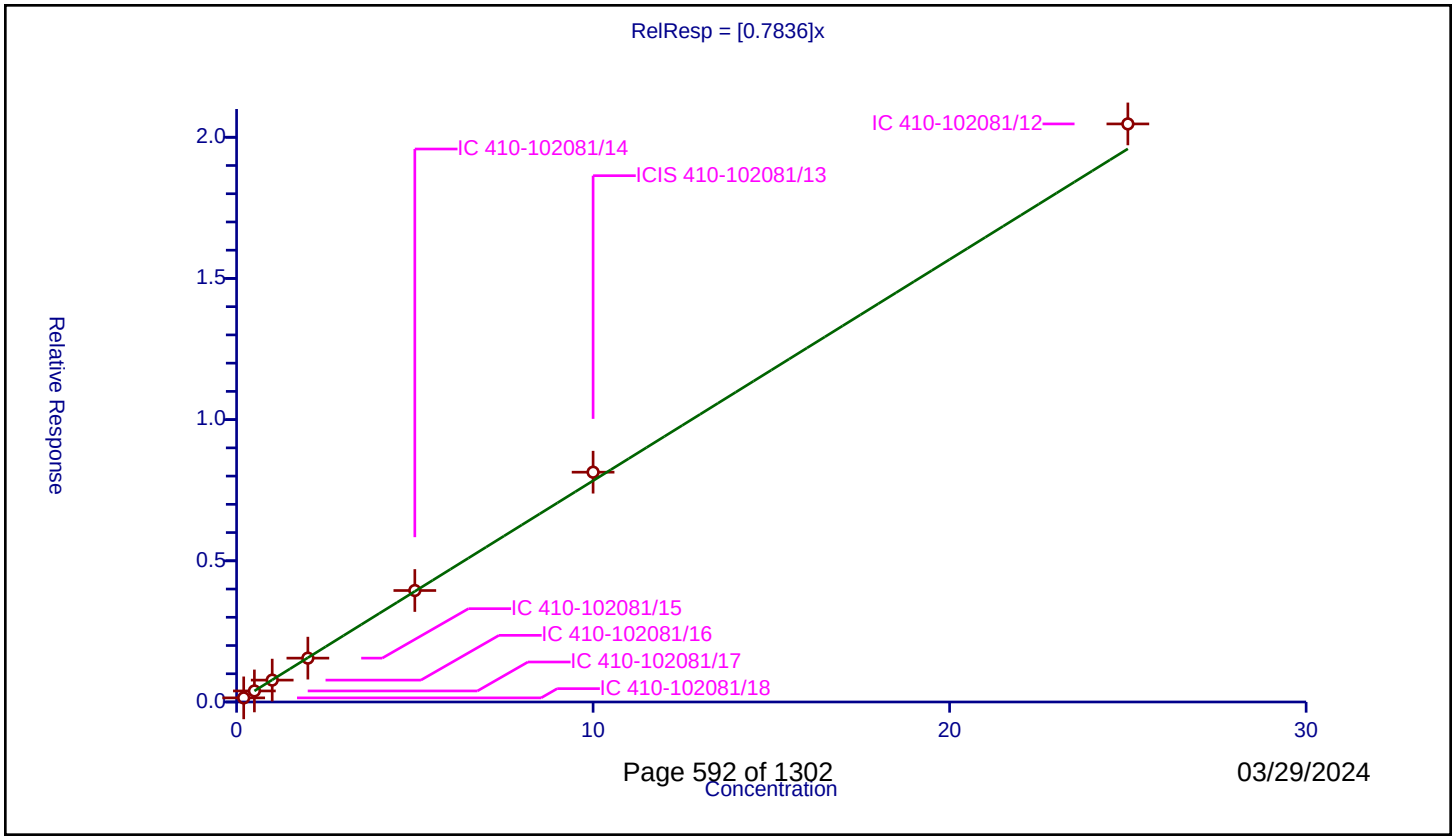
Curve Coefficients

Intercept:	0
Slope:	0.7836

Error Coefficients

Standard Error:	2060000
Relative Standard Error:	3.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.145741	10.0	2149149.0	0.728707	Y
2	IC 410-102081/17	0.5	0.391326	10.0	2186974.0	0.782652	Y
3	IC 410-102081/16	1.0	0.77489	10.0	2195473.0	0.77489	Y
4	IC 410-102081/15	2.0	1.553407	10.0	2201773.0	0.776704	Y
5	IC 410-102081/14	5.0	3.948016	10.0	2225895.0	0.789603	Y
6	ICIS 410-102081/13	10.0	8.13863	10.0	2227977.0	0.813863	Y
7	IC 410-102081/12	25.0	20.472264	10.0	2252002.0	0.818891	Y



Calibration / Methyl acetate

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

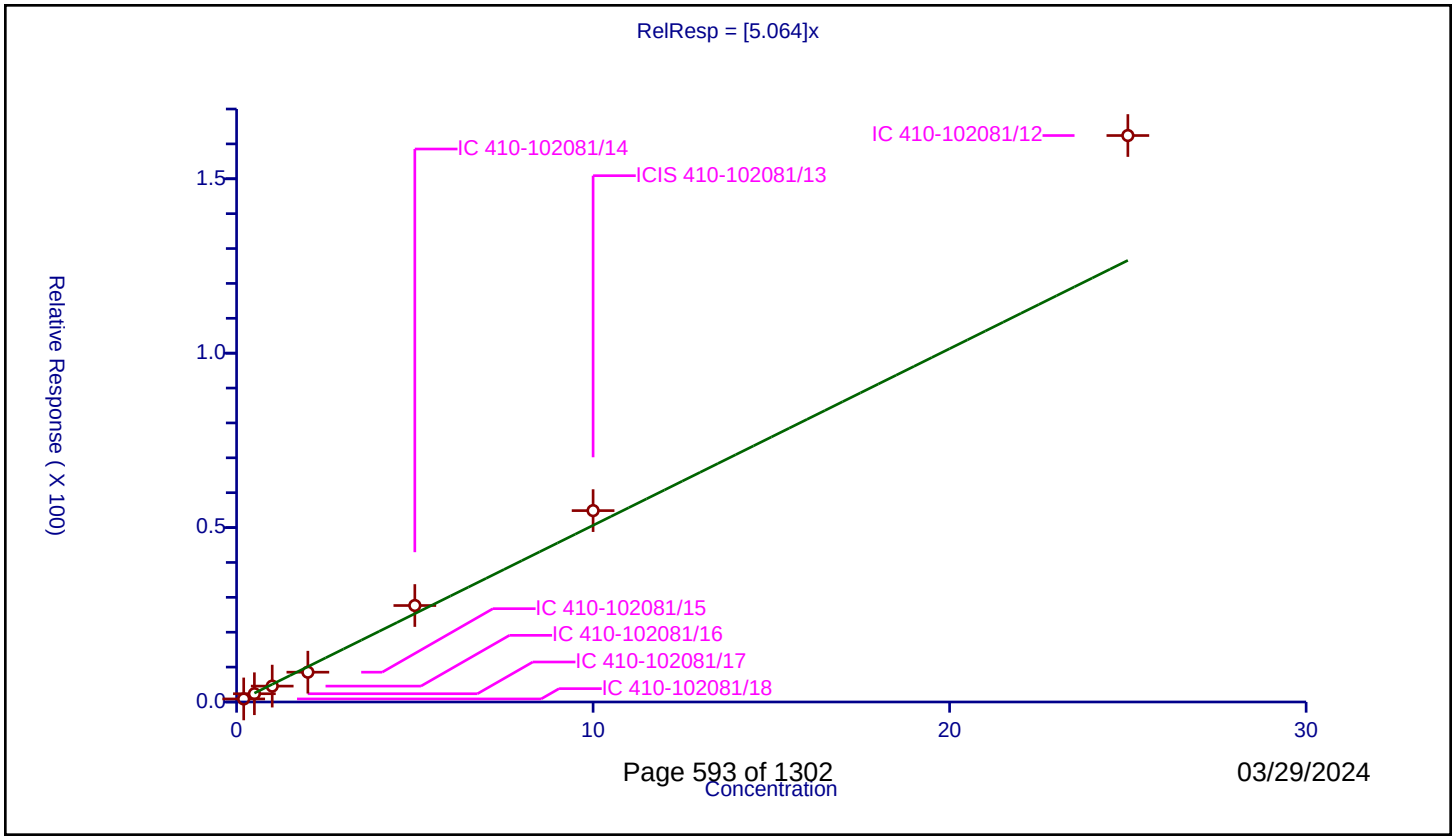
Curve Coefficients

Intercept:	0
Slope:	5.064

Error Coefficients

Standard Error:	228000
Relative Standard Error:	16.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.874745	50.0	174165.0	4.373726	Y
2	IC 410-102081/17	0.5	2.367801	50.0	171087.0	4.735602	Y
3	IC 410-102081/16	1.0	4.554427	50.0	165663.0	4.554427	Y
4	IC 410-102081/15	2.0	8.544465	50.0	173036.0	4.272232	Y
5	IC 410-102081/14	5.0	27.656479	50.0	171477.0	5.531296	Y
6	ICIS 410-102081/13	10.0	54.861829	50.0	195338.0	5.486183	Y
7	IC 410-102081/12	25.0	162.399674	50.0	155617.0	6.495987	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

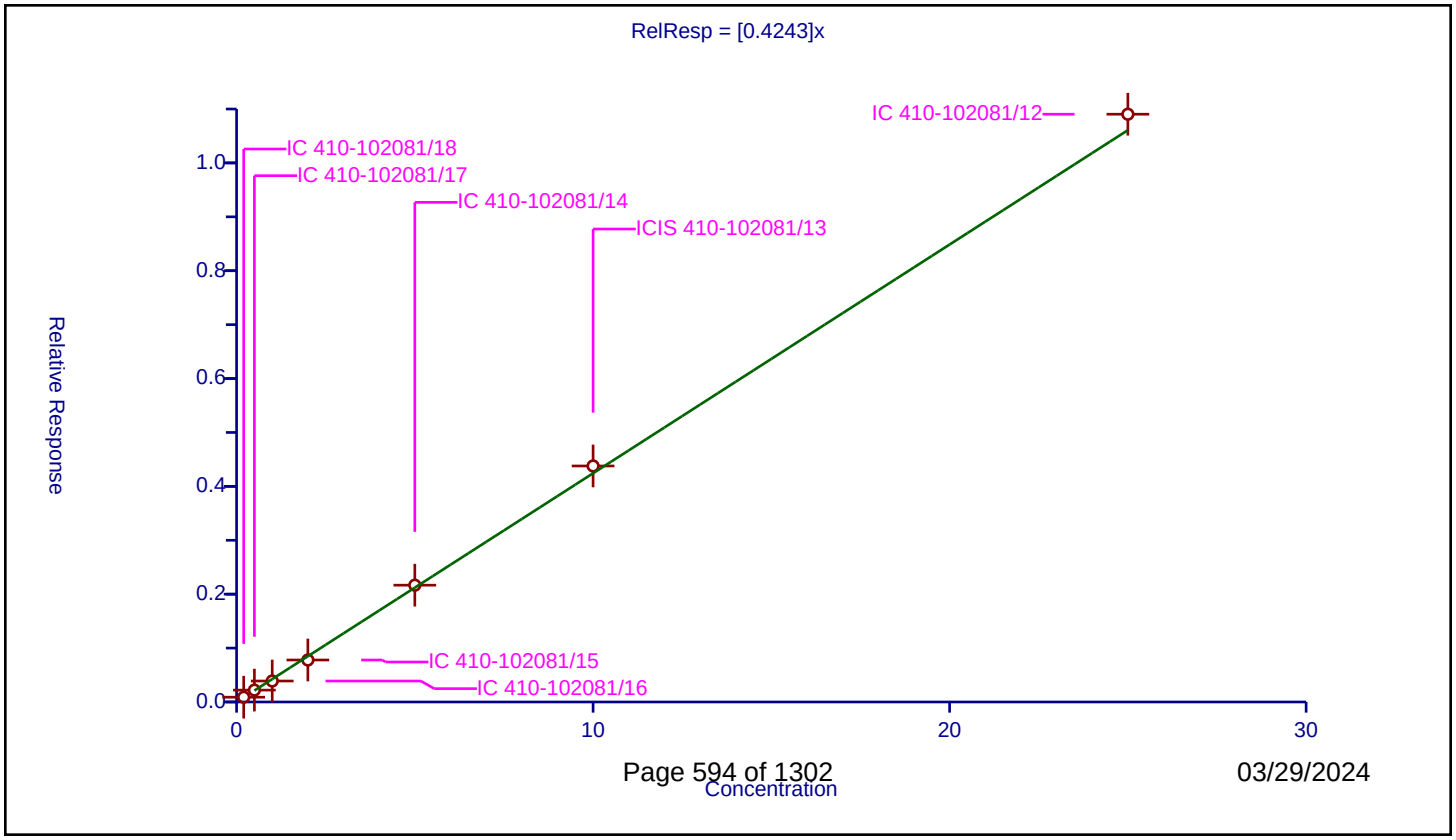
Curve Coefficients

Intercept:	0
Slope:	0.4243

Error Coefficients

Standard Error:	1100000
Relative Standard Error:	5.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.08864	10.0	2149149.0	0.443199	Y
2	IC 410-102081/17	0.5	0.2204	10.0	2186974.0	0.440801	Y
3	IC 410-102081/16	1.0	0.389237	10.0	2195473.0	0.389237	Y
4	IC 410-102081/15	2.0	0.779104	10.0	2201773.0	0.389552	Y
5	IC 410-102081/14	5.0	2.166737	10.0	2225895.0	0.433347	Y
6	ICIS 410-102081/13	10.0	4.377994	10.0	2227977.0	0.437799	Y
7	IC 410-102081/12	25.0	10.903538	10.0	2252002.0	0.436142	Y



Calibration / Methylene Chloride

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

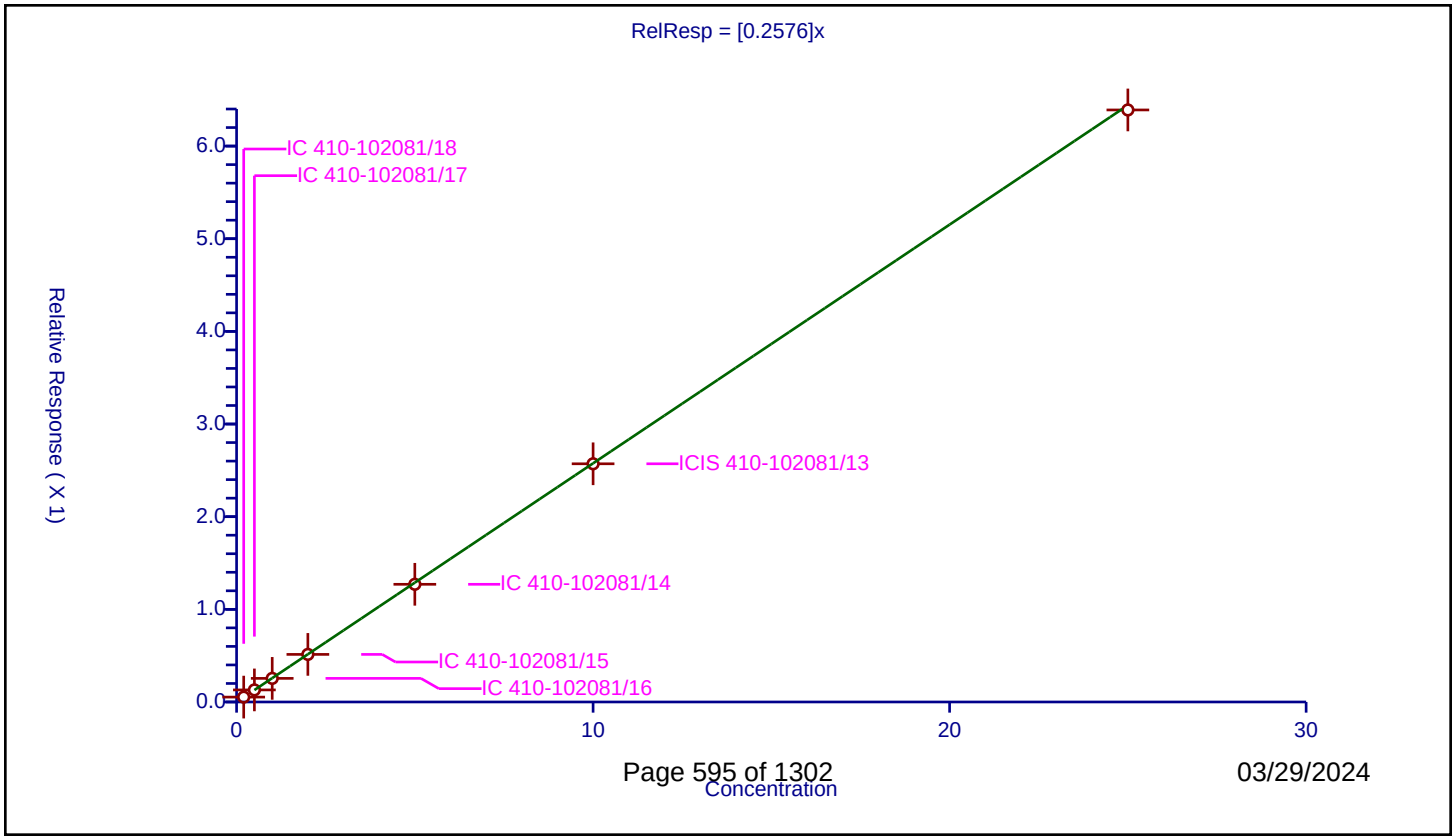
Curve Coefficients

Intercept:	0
Slope:	0.2576

Error Coefficients

Standard Error:	645000
Relative Standard Error:	1.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.052881	10.0	2149149.0	0.264407	Y
2	IC 410-102081/17	0.5	0.130299	10.0	2186974.0	0.260598	Y
3	IC 410-102081/16	1.0	0.254792	10.0	2195473.0	0.254792	Y
4	IC 410-102081/15	2.0	0.513504	10.0	2201773.0	0.256752	Y
5	IC 410-102081/14	5.0	1.270379	10.0	2225895.0	0.254076	Y
6	ICIS 410-102081/13	10.0	2.570866	10.0	2227977.0	0.257087	Y
7	IC 410-102081/12	25.0	6.389834	10.0	2252002.0	0.255593	Y



Calibration / 2-Methyl-2-propanol

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

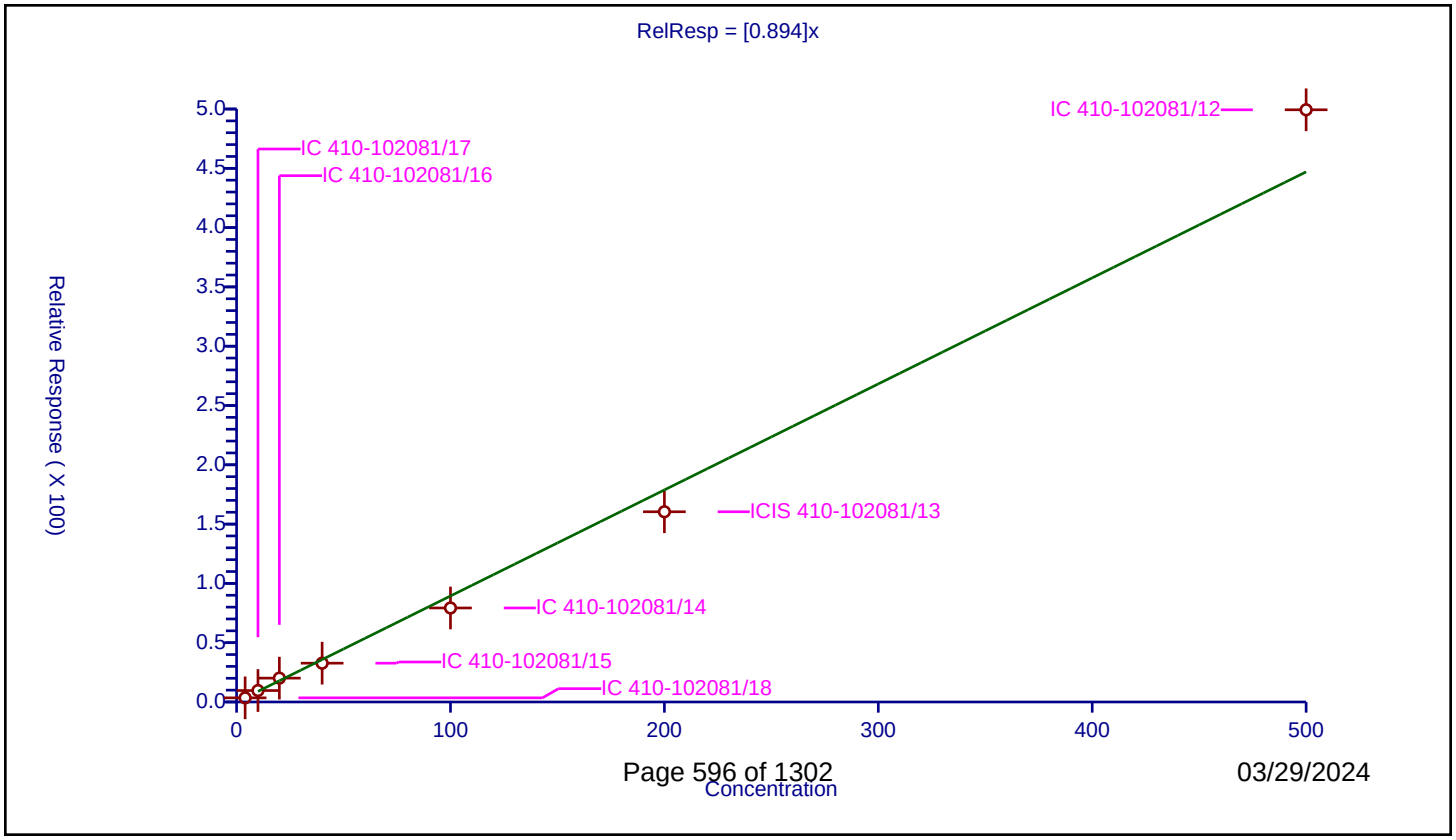
Curve Coefficients

Intercept:	0
Slope:	0.894

Error Coefficients

Standard Error:	695000
Relative Standard Error:	10.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	4.0	3.50099	50.0	174165.0	0.875248	Y
2	IC 410-102081/17	10.0	9.650646	50.0	171087.0	0.965065	Y
3	IC 410-102081/16	20.0	20.11463	50.0	165663.0	1.005732	Y
4	IC 410-102081/15	40.0	32.737696	50.0	173036.0	0.818442	Y
5	IC 410-102081/14	100.0	79.273022	50.0	171477.0	0.79273	Y
6	ICIS 410-102081/13	200.0	160.394547	50.0	195338.0	0.801973	Y
7	IC 410-102081/12	500.0	499.345187	50.0	155617.0	0.99869	Y



Calibration / Acrylonitrile

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

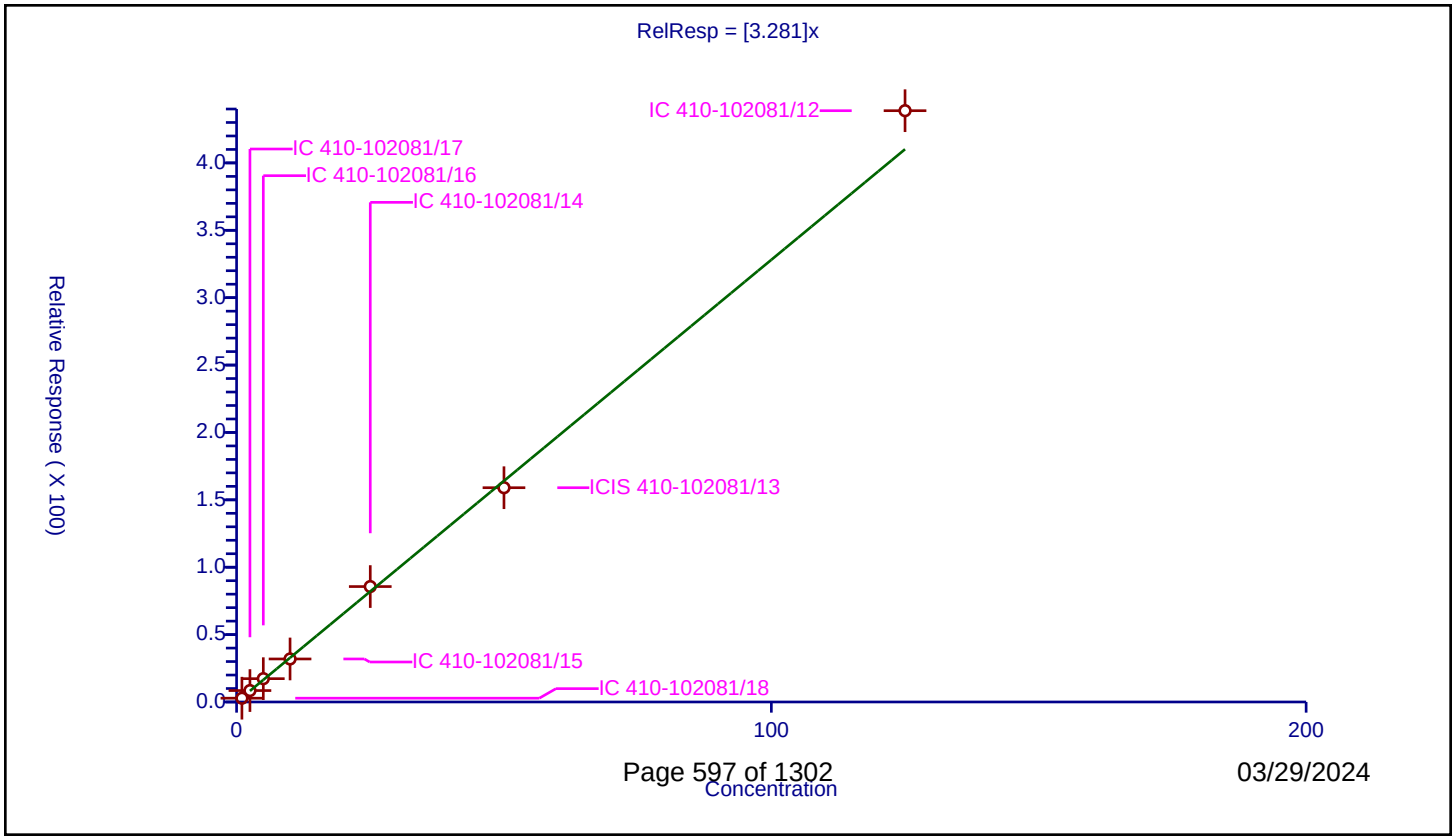
Curve Coefficients

Intercept:	0
Slope:	3.281

Error Coefficients

Standard Error:	626000
Relative Standard Error:	7.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	1.0	2.811127	50.0	174165.0	2.811127	Y
2	IC 410-102081/17	2.5	8.470836	50.0	171087.0	3.388335	Y
3	IC 410-102081/16	5.0	17.30652	50.0	165663.0	3.461304	Y
4	IC 410-102081/15	10.0	31.918214	50.0	173036.0	3.191821	Y
5	IC 410-102081/14	25.0	85.654344	50.0	171477.0	3.426174	Y
6	ICIS 410-102081/13	50.0	158.994666	50.0	195338.0	3.179893	Y
7	IC 410-102081/12	125.0	438.757012	50.0	155617.0	3.510056	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

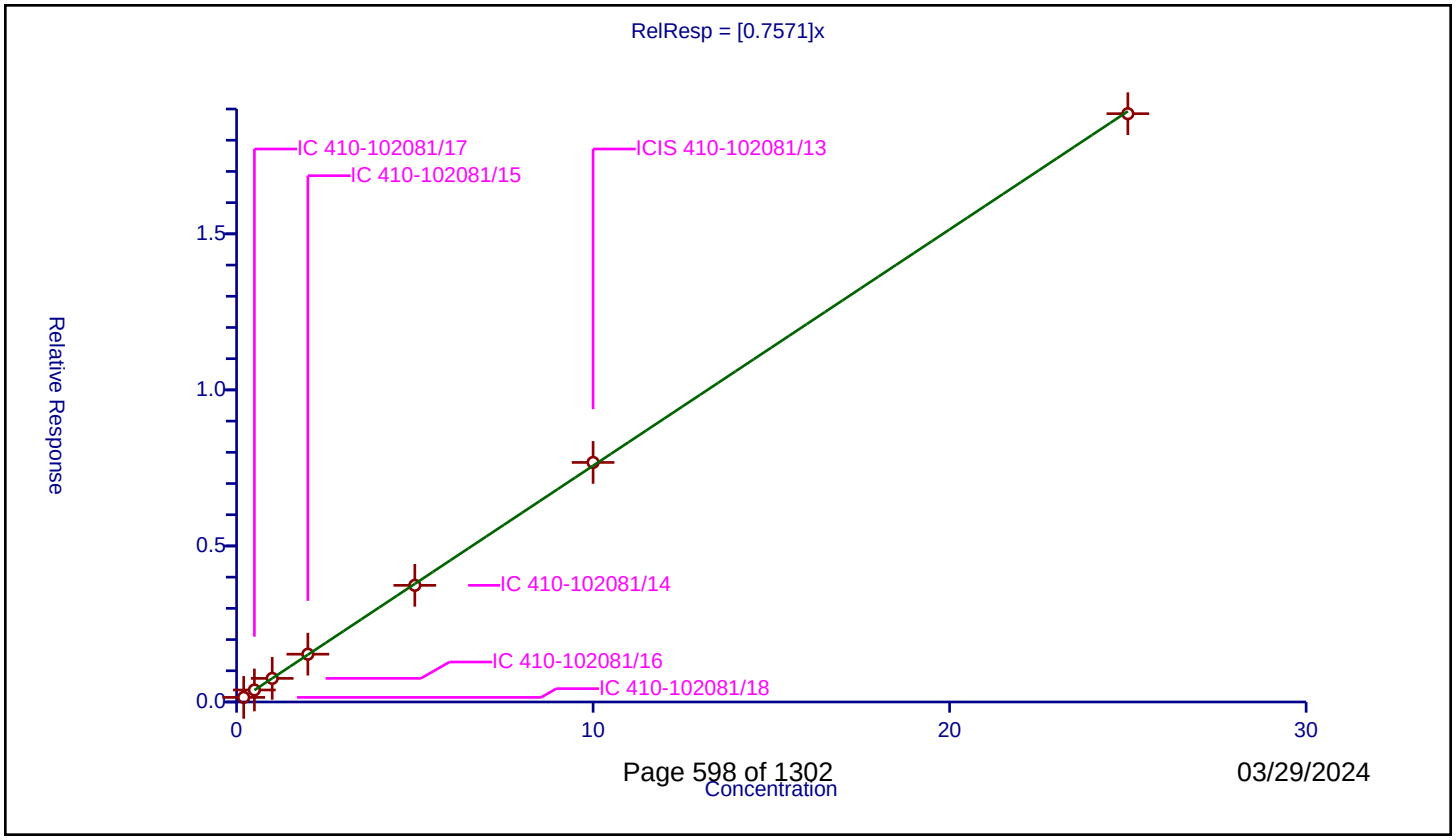
Curve Coefficients

Intercept:	0
Slope:	0.7571

Error Coefficients

Standard Error:	1910000
Relative Standard Error:	1.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.147696	10.0	2149149.0	0.738478	Y
2	IC 410-102081/17	0.5	0.384842	10.0	2186974.0	0.769685	Y
3	IC 410-102081/16	1.0	0.756297	10.0	2195473.0	0.756297	Y
4	IC 410-102081/15	2.0	1.531961	10.0	2201773.0	0.76598	Y
5	IC 410-102081/14	5.0	3.737413	10.0	2225895.0	0.747483	Y
6	ICIS 410-102081/13	10.0	7.676323	10.0	2227977.0	0.767632	Y
7	IC 410-102081/12	25.0	18.850196	10.0	2252002.0	0.754008	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

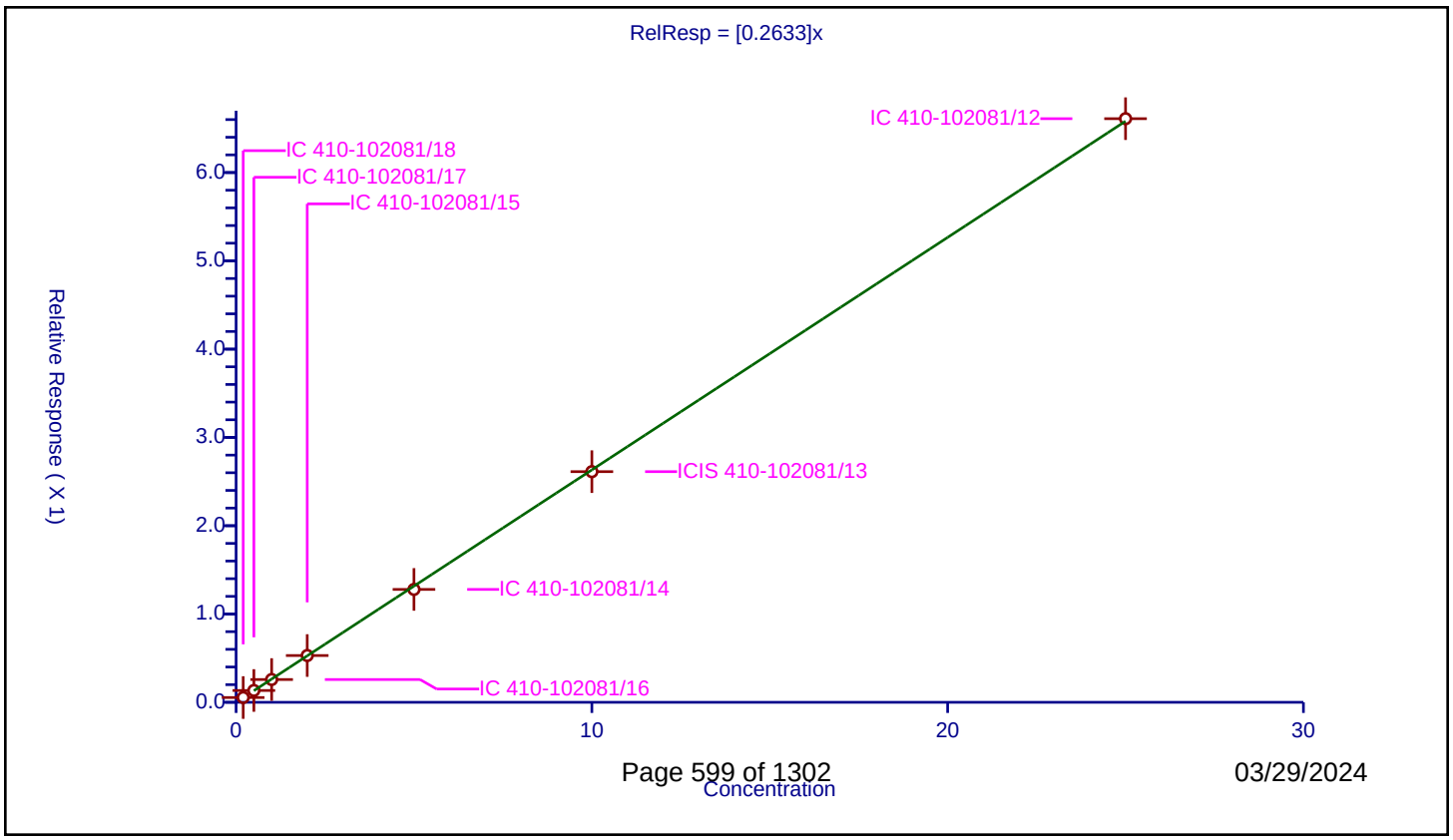
Curve Coefficients

Intercept:	0
Slope:	0.2633

Error Coefficients

Standard Error:	665000
Relative Standard Error:	2.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.054105	10.0	2149149.0	0.270526	Y
2	IC 410-102081/17	0.5	0.133993	10.0	2186974.0	0.267987	Y
3	IC 410-102081/16	1.0	0.258199	10.0	2195473.0	0.258199	Y
4	IC 410-102081/15	2.0	0.529746	10.0	2201773.0	0.264873	Y
5	IC 410-102081/14	5.0	1.278461	10.0	2225895.0	0.255692	Y
6	ICIS 410-102081/13	10.0	2.612383	10.0	2227977.0	0.261238	Y
7	IC 410-102081/12	25.0	6.610198	10.0	2252002.0	0.264408	Y



Calibration / Hexane

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

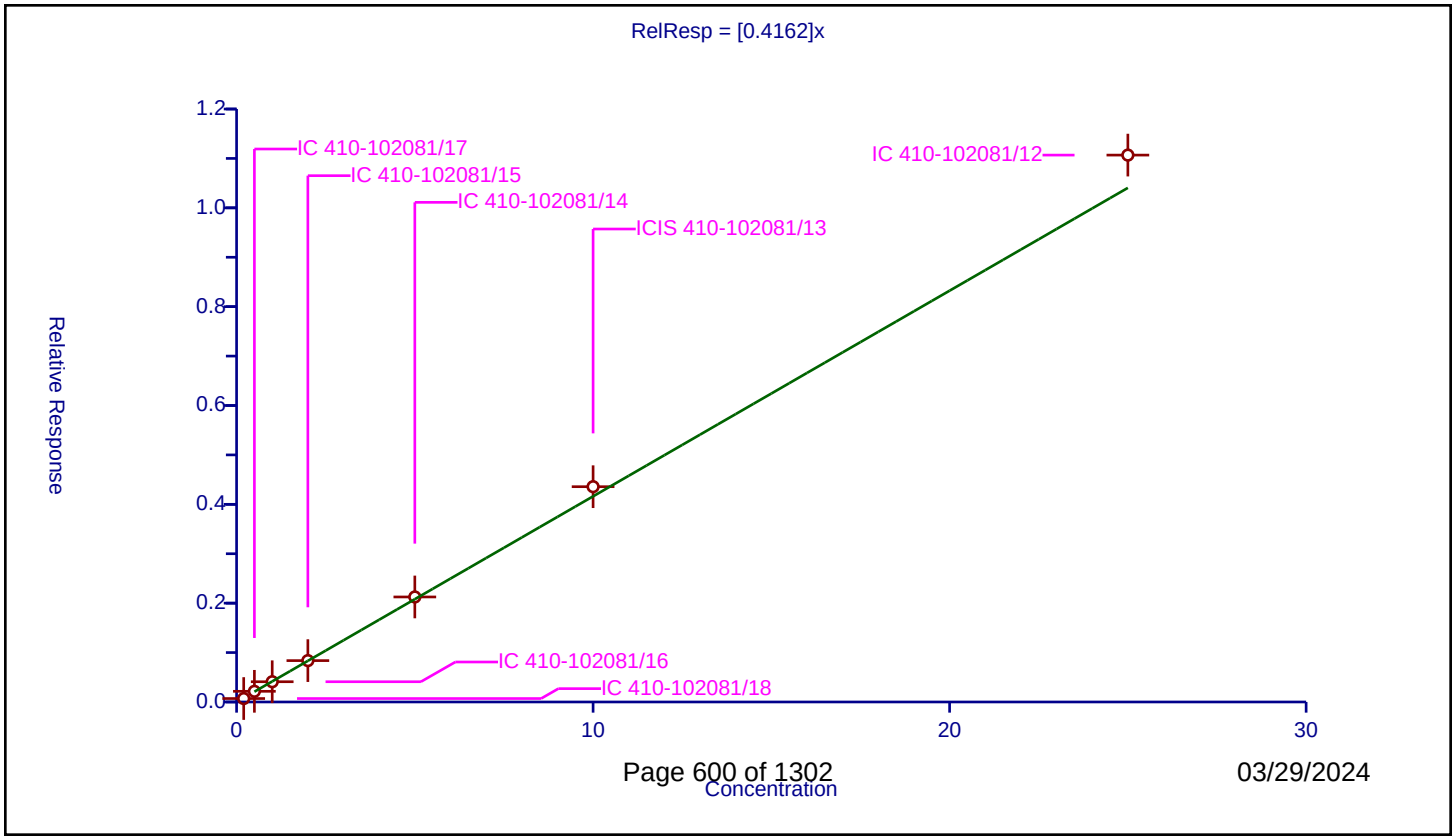
Curve Coefficients

Intercept:	0
Slope:	0.4162

Error Coefficients

Standard Error:	1110000
Relative Standard Error:	7.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.069707	10.0	2149149.0	0.348533	Y
2	IC 410-102081/17	0.5	0.216372	10.0	2186974.0	0.432744	Y
3	IC 410-102081/16	1.0	0.409834	10.0	2195473.0	0.409834	Y
4	IC 410-102081/15	2.0	0.837362	10.0	2201773.0	0.418681	Y
5	IC 410-102081/14	5.0	2.125168	10.0	2225895.0	0.425034	Y
6	ICIS 410-102081/13	10.0	4.357006	10.0	2227977.0	0.435701	Y
7	IC 410-102081/12	25.0	11.067304	10.0	2252002.0	0.442692	Y



Calibration / 1,1-Dichloroethane

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

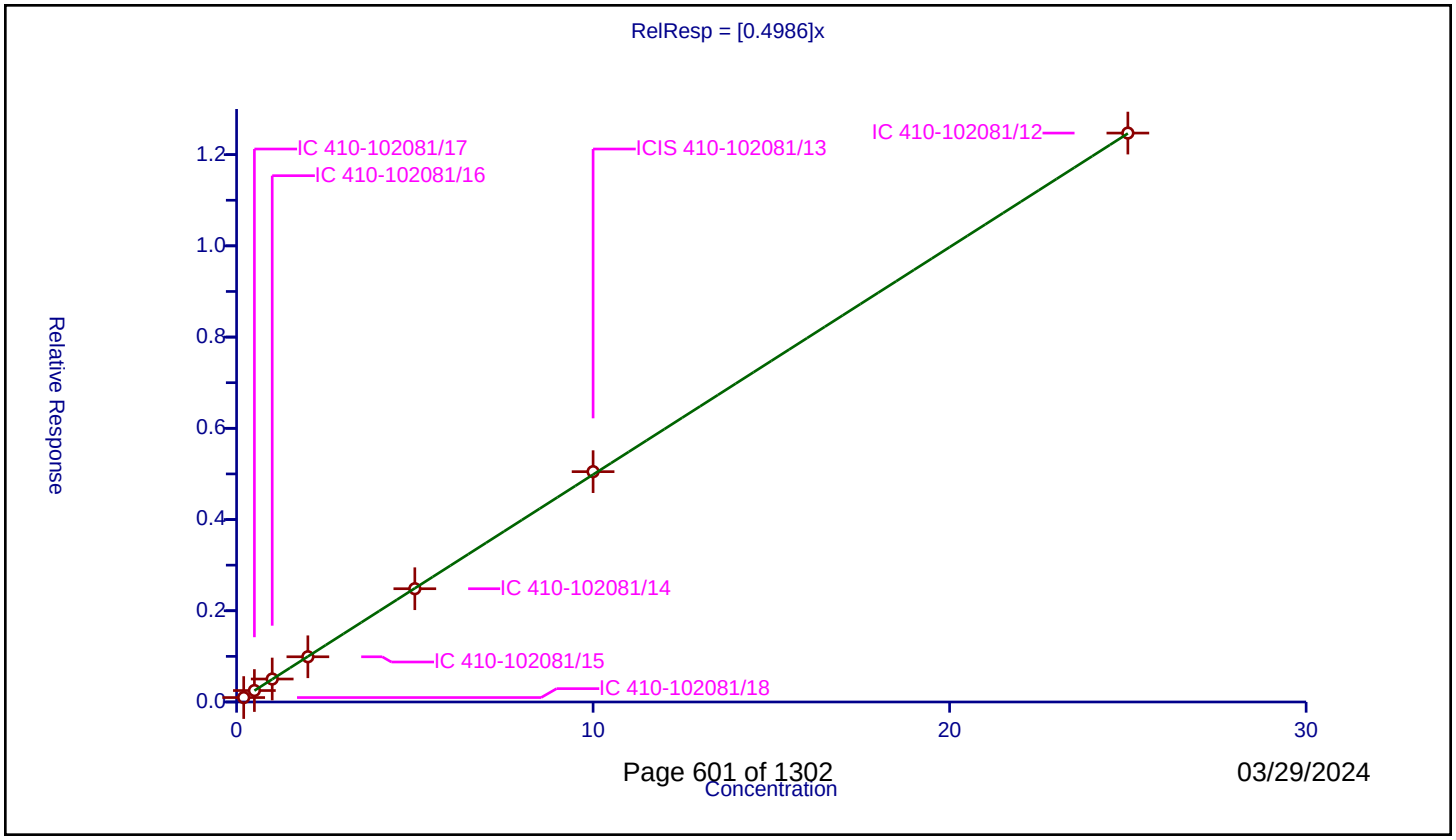
Curve Coefficients

Intercept:	0
Slope:	0.4986

Error Coefficients

Standard Error:	1260000
Relative Standard Error:	1.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.097597	10.0	2149149.0	0.487984	Y
2	IC 410-102081/17	0.5	0.251059	10.0	2186974.0	0.502118	Y
3	IC 410-102081/16	1.0	0.503673	10.0	2195473.0	0.503673	Y
4	IC 410-102081/15	2.0	0.991437	10.0	2201773.0	0.495719	Y
5	IC 410-102081/14	5.0	2.483203	10.0	2225895.0	0.496641	Y
6	ICIS 410-102081/13	10.0	5.049518	10.0	2227977.0	0.504952	Y
7	IC 410-102081/12	25.0	12.472413	10.0	2252002.0	0.498897	Y



Calibration / Isopropyl ether

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

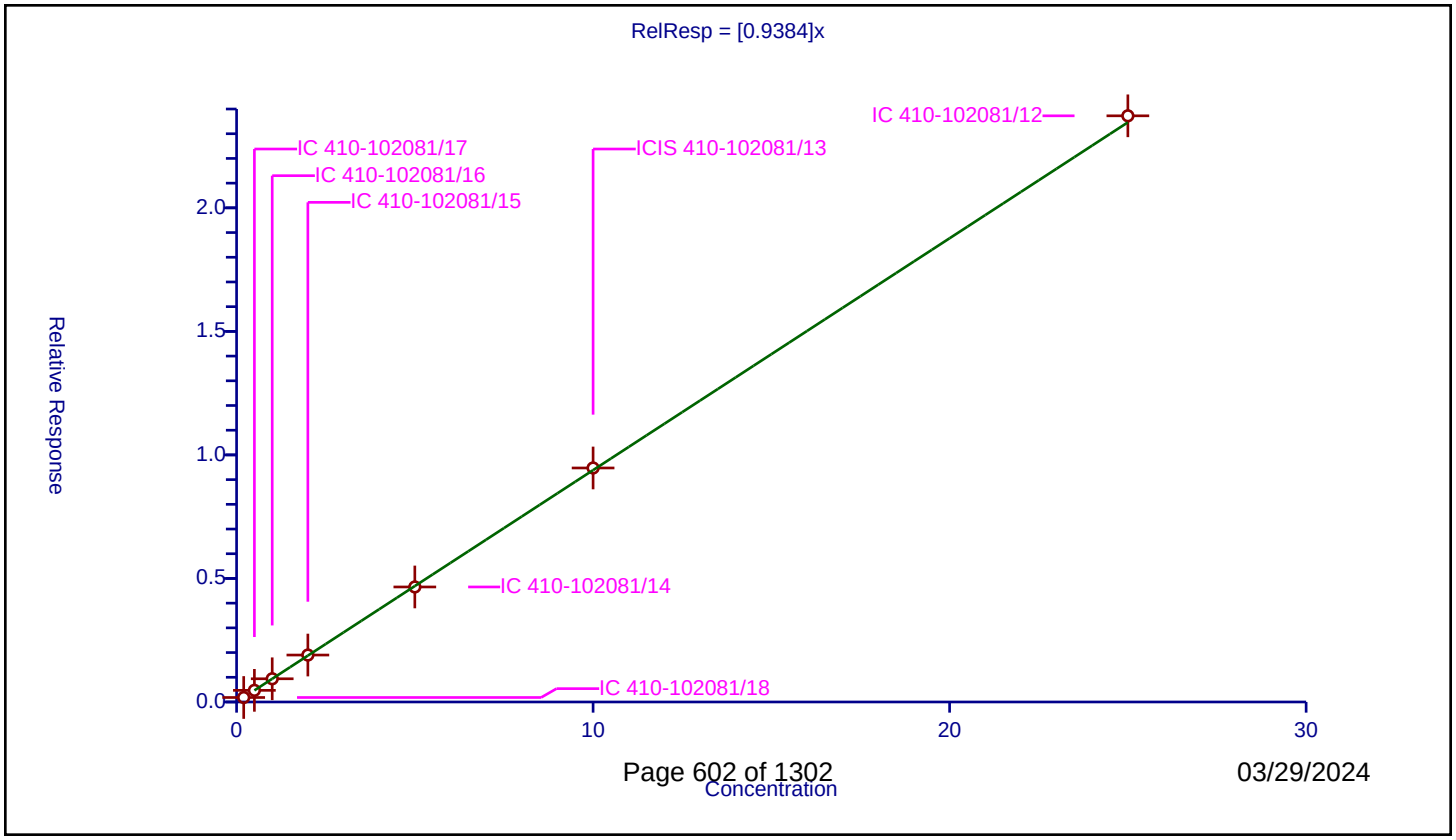
Curve Coefficients

Intercept:	0
Slope:	0.9384

Error Coefficients

Standard Error:	2390000
Relative Standard Error:	1.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.181872	10.0	2149149.0	0.90936	Y
2	IC 410-102081/17	0.5	0.471341	10.0	2186974.0	0.942682	Y
3	IC 410-102081/16	1.0	0.939588	10.0	2195473.0	0.939588	Y
4	IC 410-102081/15	2.0	1.90045	10.0	2201773.0	0.950225	Y
5	IC 410-102081/14	5.0	4.655296	10.0	2225895.0	0.931059	Y
6	ICIS 410-102081/13	10.0	9.471251	10.0	2227977.0	0.947125	Y
7	IC 410-102081/12	25.0	23.724806	10.0	2252002.0	0.948992	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

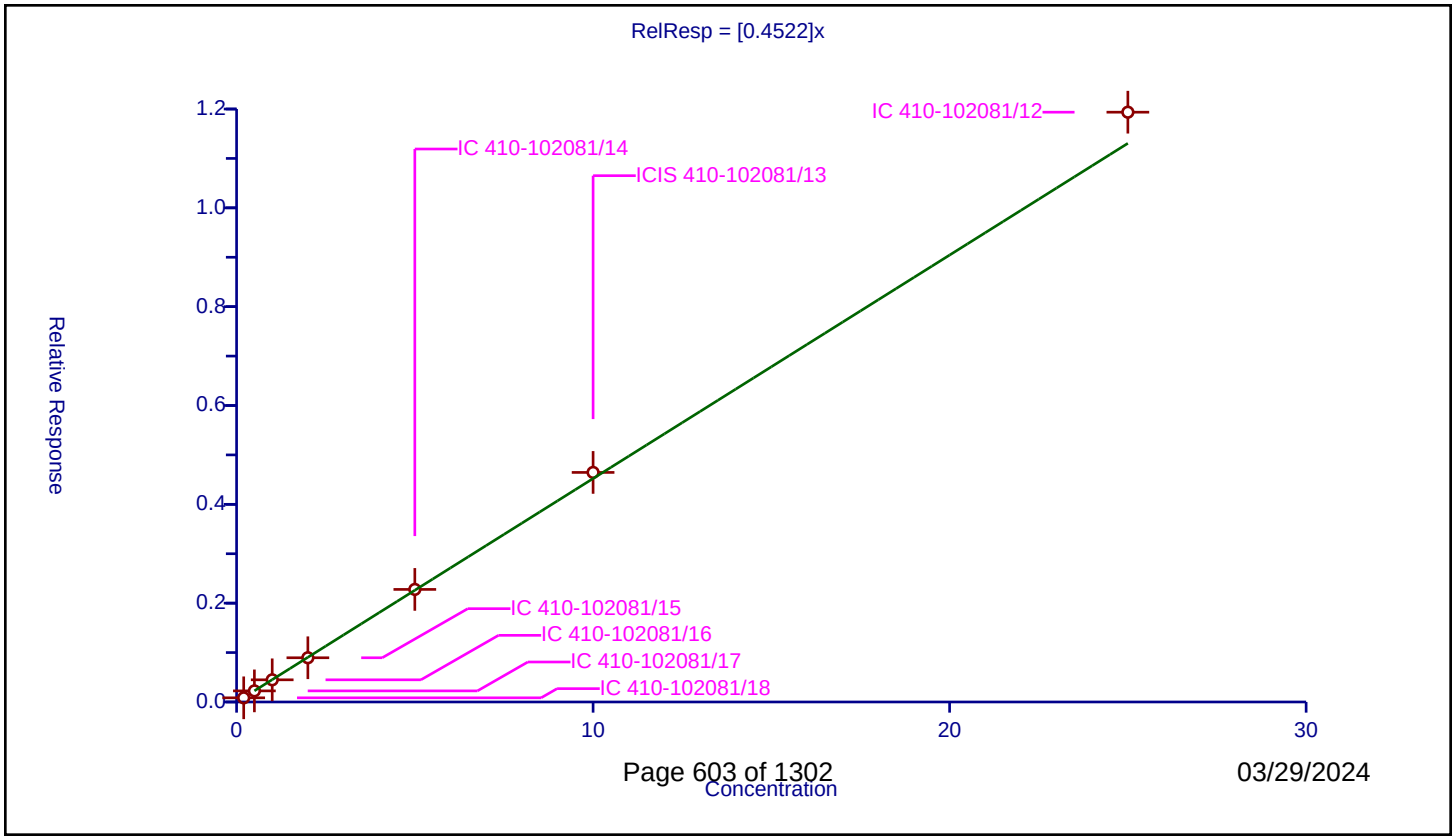
Curve Coefficients

Intercept:	0
Slope:	0.4522

Error Coefficients

Standard Error:	1200000
Relative Standard Error:	3.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.08441	10.0	2149149.0	0.422051	Y
2	IC 410-102081/17	0.5	0.224758	10.0	2186974.0	0.449516	Y
3	IC 410-102081/16	1.0	0.448614	10.0	2195473.0	0.448614	Y
4	IC 410-102081/15	2.0	0.895233	10.0	2201773.0	0.447617	Y
5	IC 410-102081/14	5.0	2.27832	10.0	2225895.0	0.455664	Y
6	ICIS 410-102081/13	10.0	4.645658	10.0	2227977.0	0.464566	Y
7	IC 410-102081/12	25.0	11.935935	10.0	2252002.0	0.477437	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

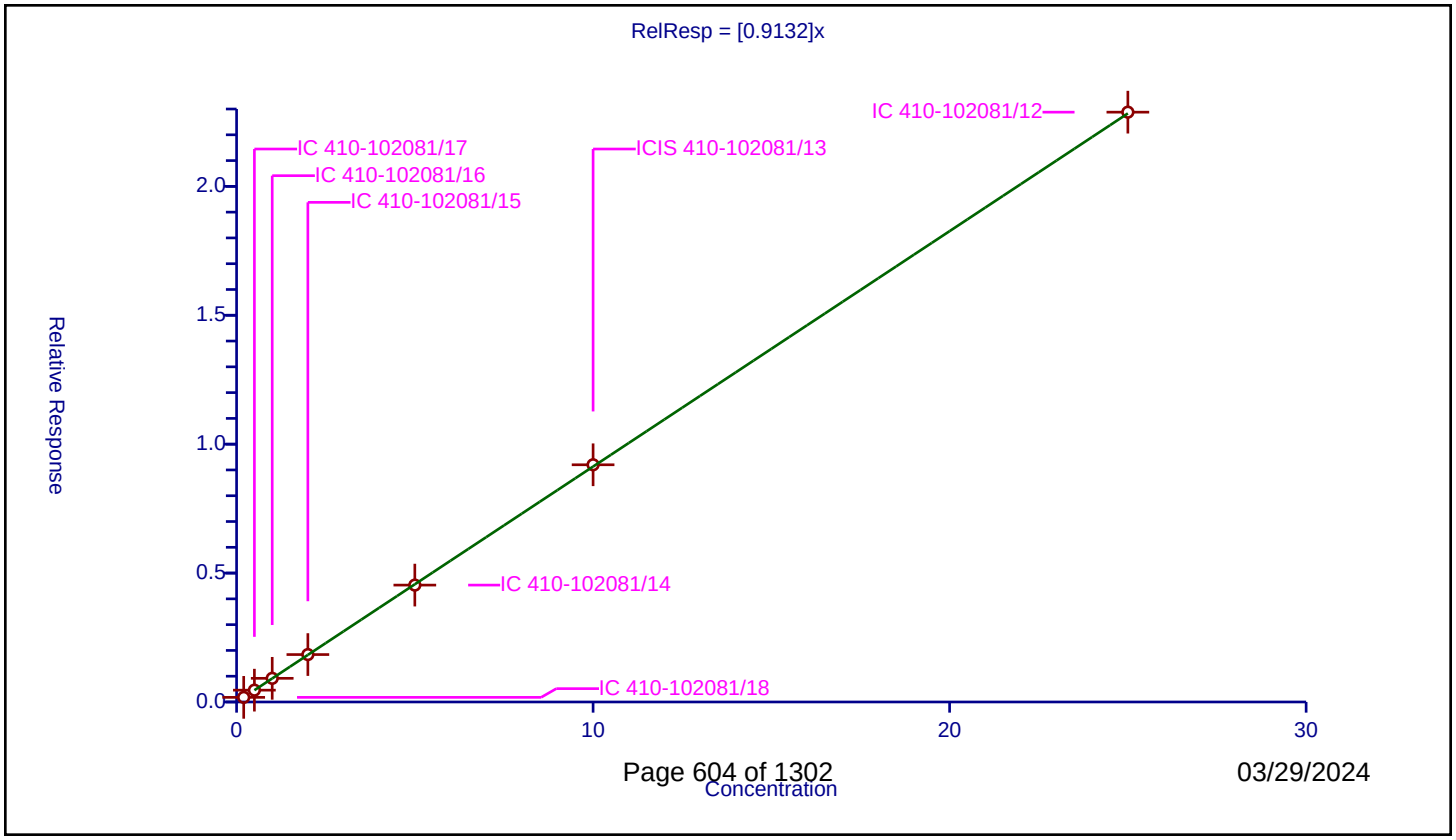
Curve Coefficients

Intercept:	0
Slope:	0.9132

Error Coefficients

Standard Error:	2310000
Relative Standard Error:	1.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.179062	10.0	2149149.0	0.895308	Y
2	IC 410-102081/17	0.5	0.458323	10.0	2186974.0	0.916646	Y
3	IC 410-102081/16	1.0	0.918381	10.0	2195473.0	0.918381	Y
4	IC 410-102081/15	2.0	1.839404	10.0	2201773.0	0.919702	Y
5	IC 410-102081/14	5.0	4.534288	10.0	2225895.0	0.906858	Y
6	ICIS 410-102081/13	10.0	9.201091	10.0	2227977.0	0.920109	Y
7	IC 410-102081/12	25.0	22.878057	10.0	2252002.0	0.915122	Y



Calibration / 2-Butanone (MEK)

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

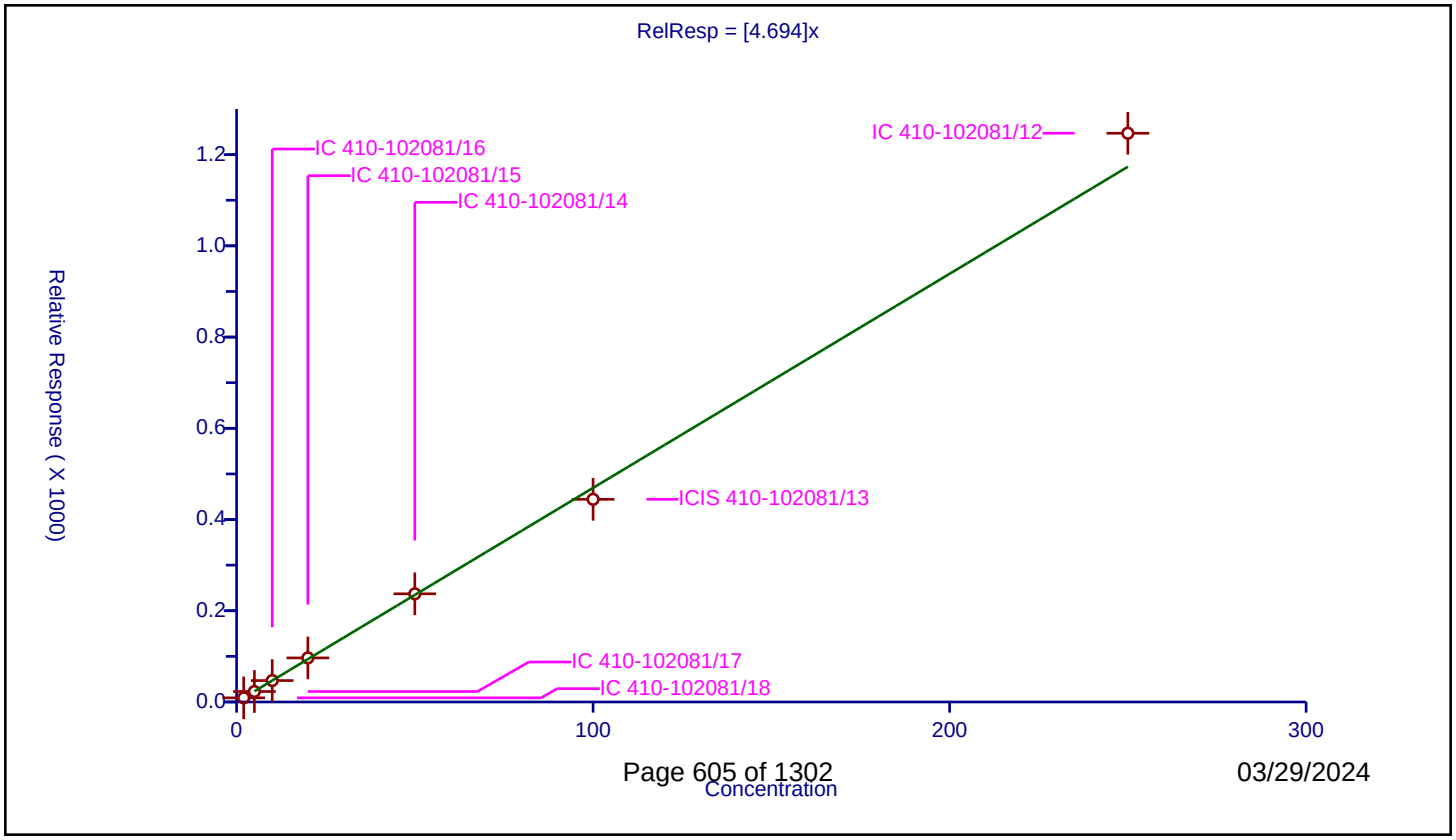
Curve Coefficients

Intercept:	0
Slope:	4.694

Error Coefficients

Standard Error:	1770000
Relative Standard Error:	3.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	2.0	9.098556	50.0	174165.0	4.549278	Y
2	IC 410-102081/17	5.0	23.030096	50.0	171087.0	4.606019	Y
3	IC 410-102081/16	10.0	46.973977	50.0	165663.0	4.697398	Y
4	IC 410-102081/15	20.0	96.587993	50.0	173036.0	4.8294	Y
5	IC 410-102081/14	50.0	237.147839	50.0	171477.0	4.742957	Y
6	ICIS 410-102081/13	100.0	444.358497	50.0	195338.0	4.443585	Y
7	IC 410-102081/12	250.0	1246.880161	50.0	155617.0	4.987521	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

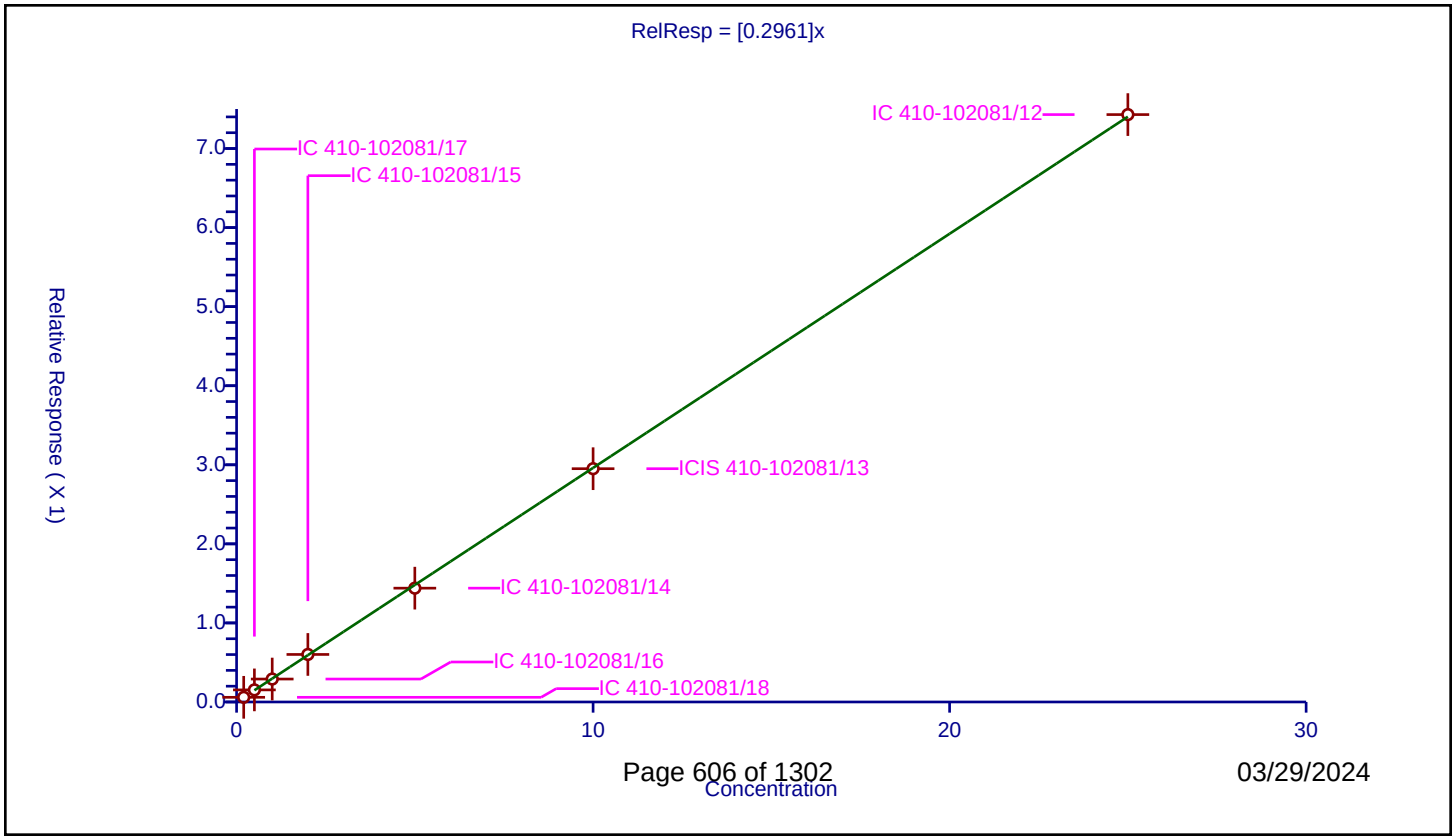
Curve Coefficients

Intercept:	0
Slope:	0.2961

Error Coefficients

Standard Error:	748000
Relative Standard Error:	2.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.059126	10.0	2149149.0	0.295629	Y
2	IC 410-102081/17	0.5	0.153033	10.0	2186974.0	0.306067	Y
3	IC 410-102081/16	1.0	0.290243	10.0	2195473.0	0.290243	Y
4	IC 410-102081/15	2.0	0.601352	10.0	2201773.0	0.300676	Y
5	IC 410-102081/14	5.0	1.439619	10.0	2225895.0	0.287924	Y
6	ICIS 410-102081/13	10.0	2.950762	10.0	2227977.0	0.295076	Y
7	IC 410-102081/12	25.0	7.429389	10.0	2252002.0	0.297176	Y



Calibration / 2,2-Dichloropropane

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

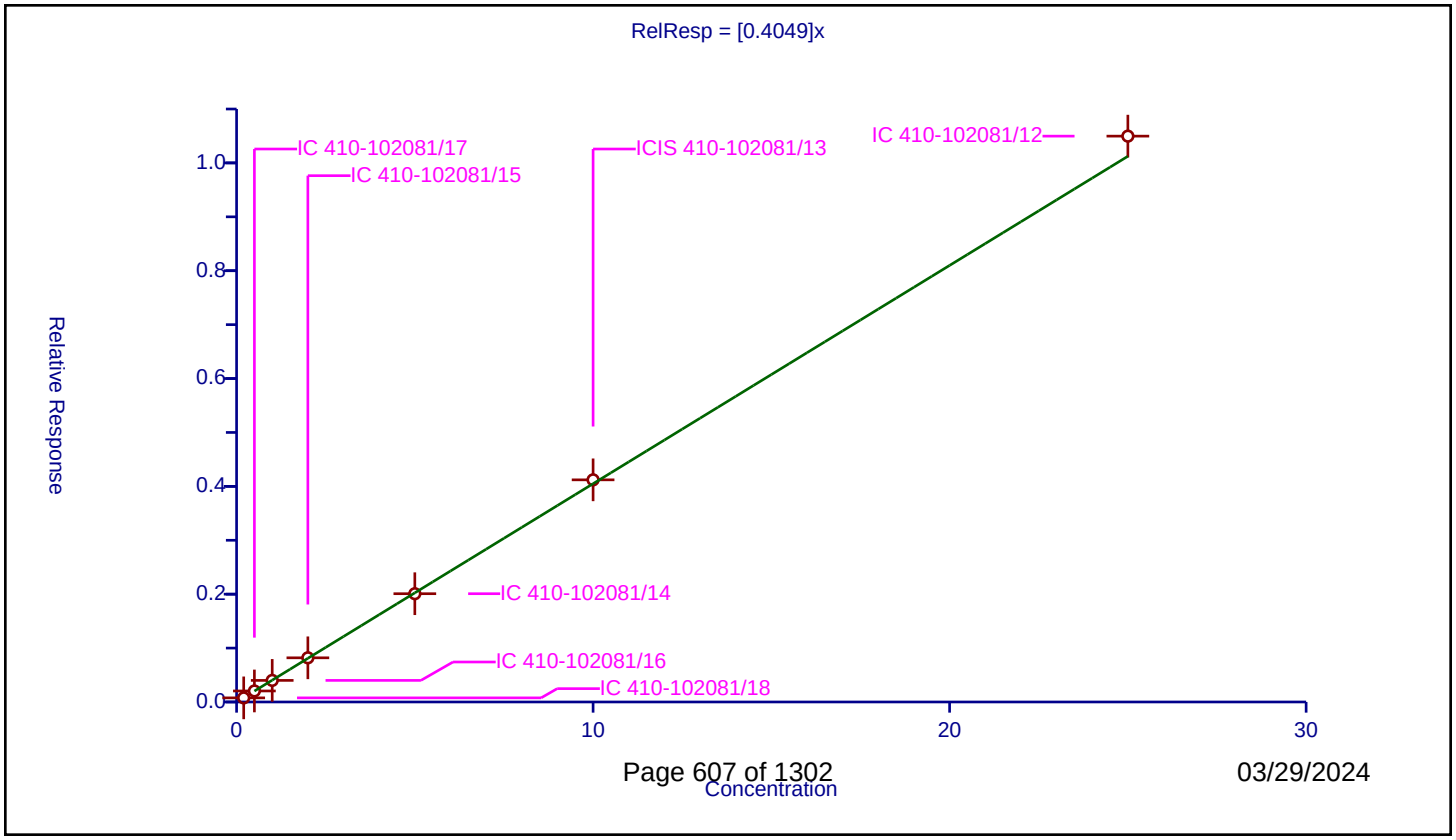
Curve Coefficients

Intercept:	0
Slope:	0.4049

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	3.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.076412	10.0	2149149.0	0.382058	Y
2	IC 410-102081/17	0.5	0.204351	10.0	2186974.0	0.408702	Y
3	IC 410-102081/16	1.0	0.400278	10.0	2195473.0	0.400278	Y
4	IC 410-102081/15	2.0	0.819485	10.0	2201773.0	0.409743	Y
5	IC 410-102081/14	5.0	2.008841	10.0	2225895.0	0.401768	Y
6	ICIS 410-102081/13	10.0	4.120783	10.0	2227977.0	0.412078	Y
7	IC 410-102081/12	25.0	10.497064	10.0	2252002.0	0.419883	Y



Calibration / Propionitrile

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

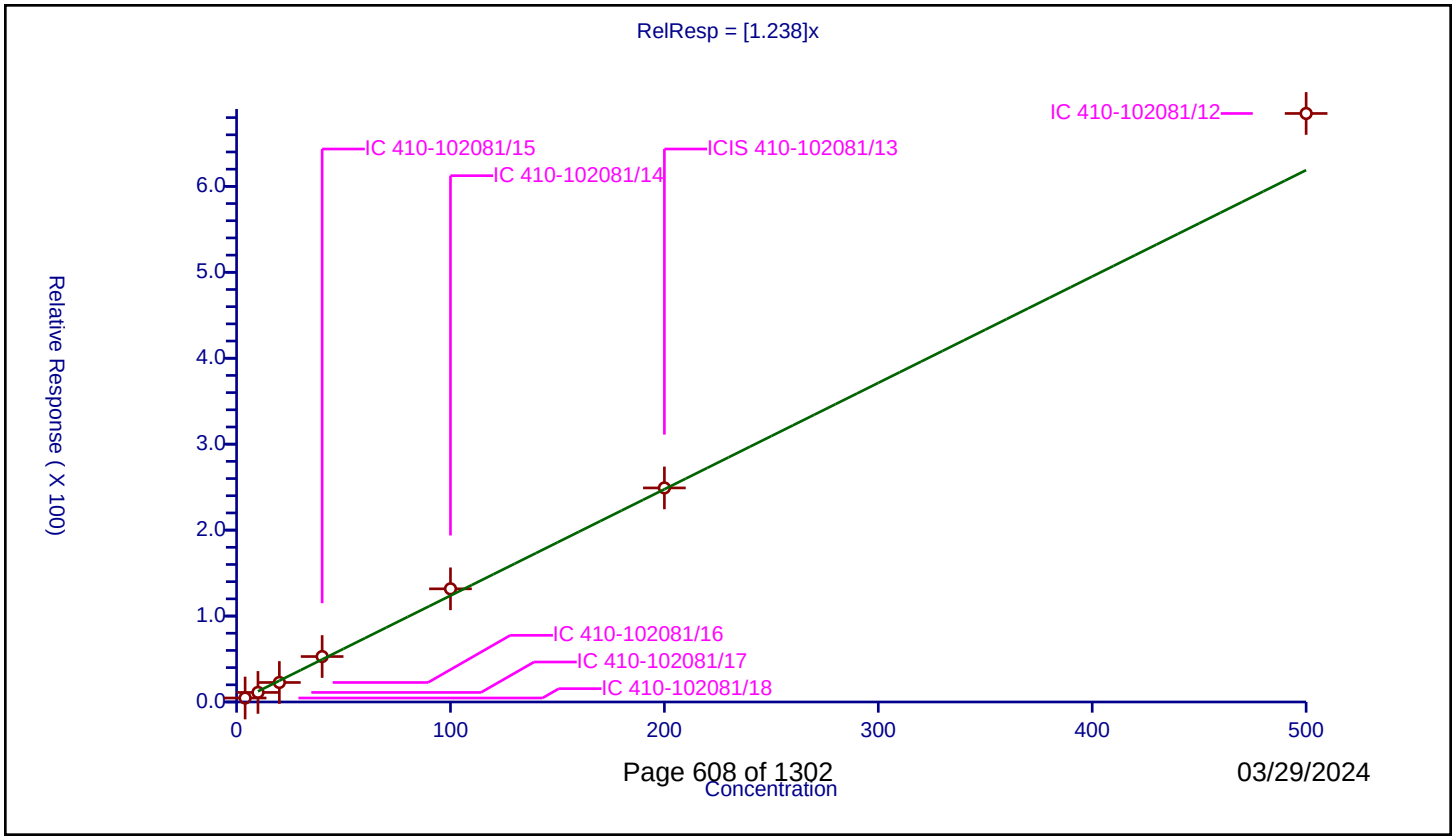
Curve Coefficients

Intercept:	0
Slope:	1.238

Error Coefficients

Standard Error:	977000
Relative Standard Error:	8.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	4.0	4.645882	50.0	174165.0	1.16147	Y
2	IC 410-102081/17	10.0	11.134686	50.0	171087.0	1.113469	Y
3	IC 410-102081/16	20.0	22.703018	50.0	165663.0	1.135151	Y
4	IC 410-102081/15	40.0	52.882348	50.0	173036.0	1.322059	Y
5	IC 410-102081/14	100.0	131.681508	50.0	171477.0	1.316815	Y
6	ICIS 410-102081/13	200.0	249.105653	50.0	195338.0	1.245528	Y
7	IC 410-102081/12	500.0	684.825887	50.0	155617.0	1.369652	Y



Calibration / Methacrylonitrile

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

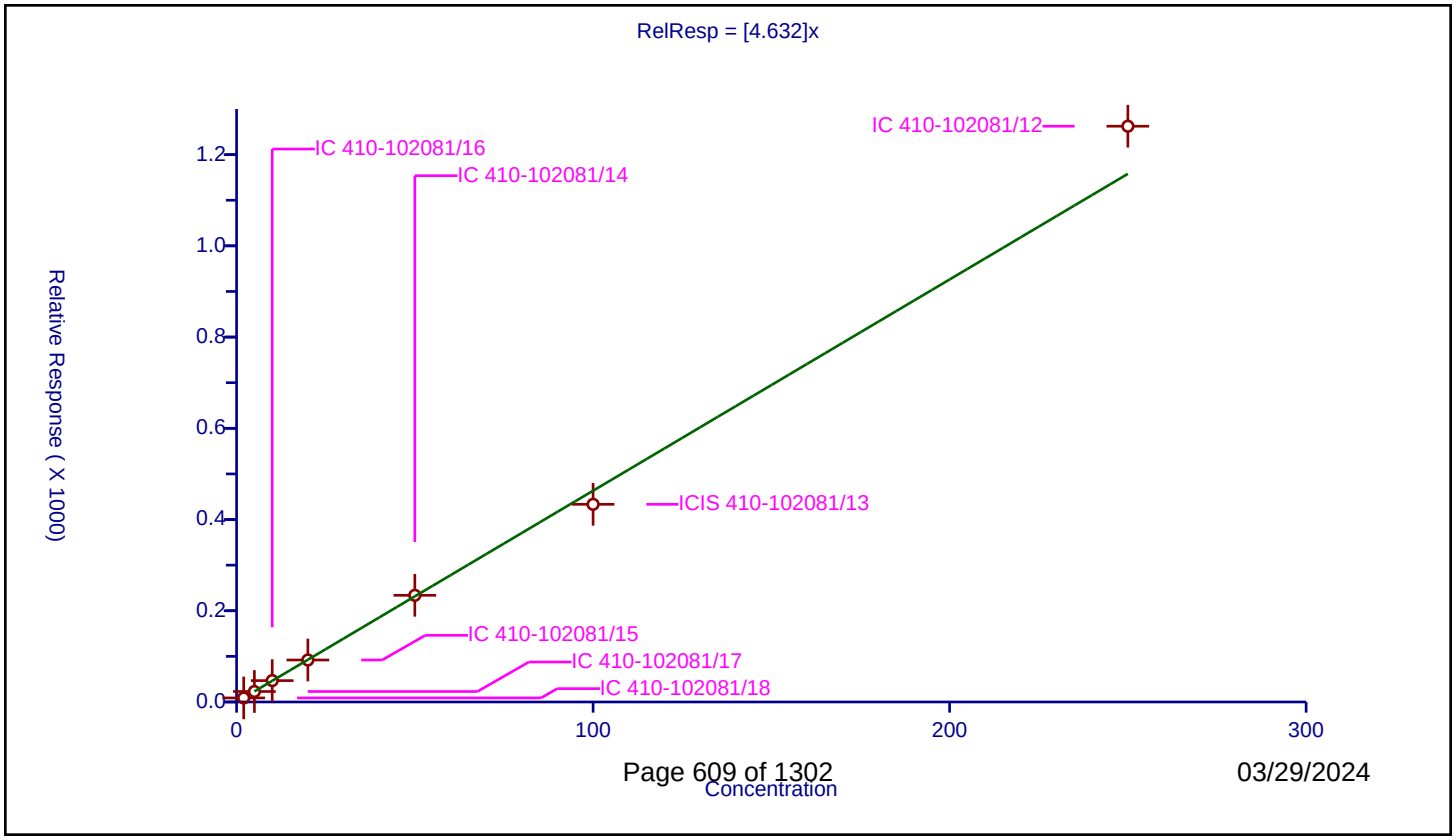
Curve Coefficients

Intercept:	0
Slope:	4.632

Error Coefficients

Standard Error:	1780000
Relative Standard Error:	4.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	2.0	8.934631	50.0	174165.0	4.467315	Y
2	IC 410-102081/17	5.0	23.016068	50.0	171087.0	4.603214	Y
3	IC 410-102081/16	10.0	46.879508	50.0	165663.0	4.687951	Y
4	IC 410-102081/15	20.0	92.04992	50.0	173036.0	4.602496	Y
5	IC 410-102081/14	50.0	233.877138	50.0	171477.0	4.677543	Y
6	ICIS 410-102081/13	100.0	433.343231	50.0	195338.0	4.333432	Y
7	IC 410-102081/12	250.0	1262.265048	50.0	155617.0	5.04906	Y



Calibration / Chlorobromomethane

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

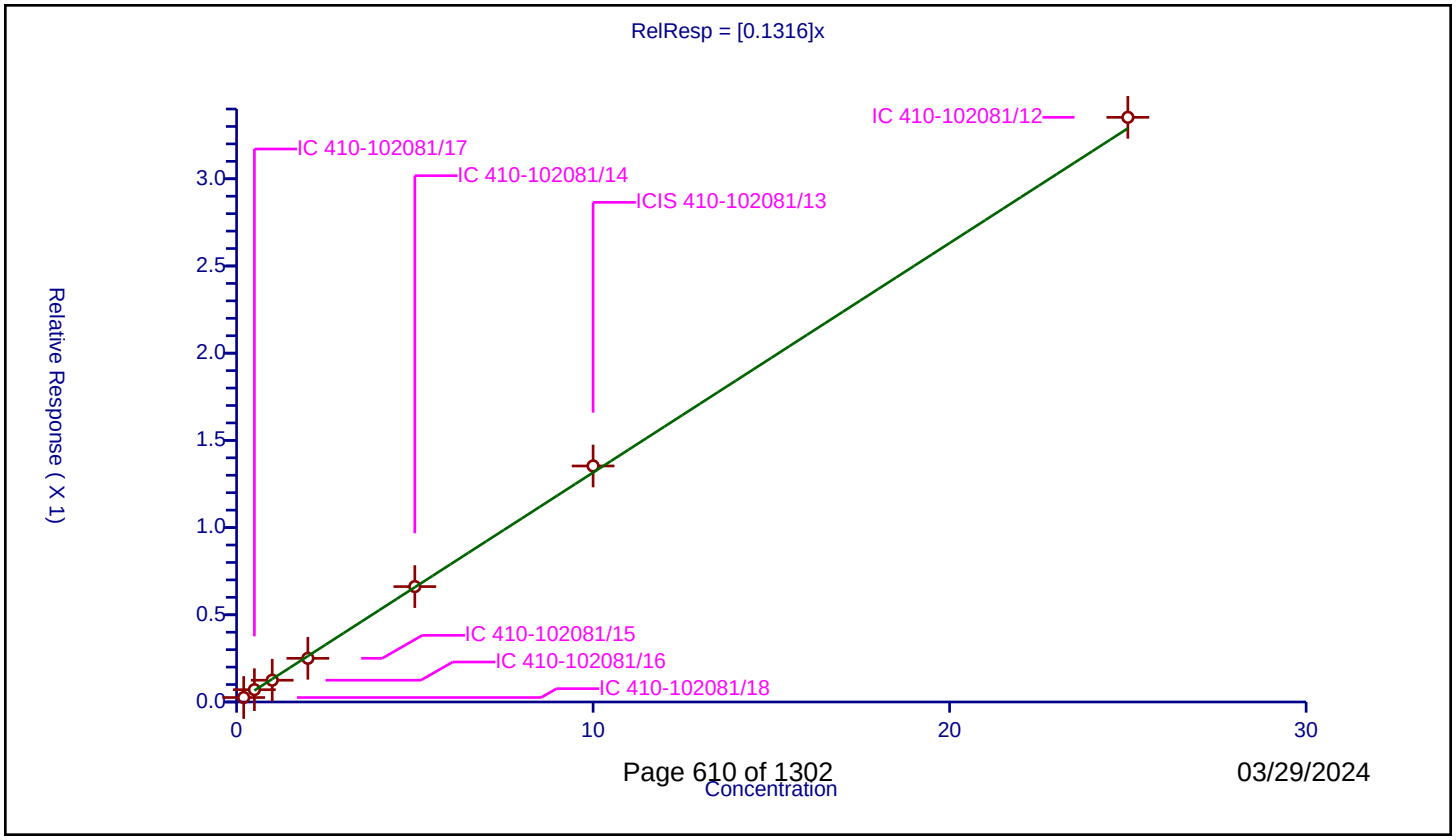
Curve Coefficients

Intercept:	0
Slope:	0.1316

Error Coefficients

Standard Error:	338000
Relative Standard Error:	4.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.025596	10.0	2149149.0	0.127981	Y
2	IC 410-102081/17	0.5	0.070568	10.0	2186974.0	0.141136	Y
3	IC 410-102081/16	1.0	0.124889	10.0	2195473.0	0.124889	Y
4	IC 410-102081/15	2.0	0.250421	10.0	2201773.0	0.12521	Y
5	IC 410-102081/14	5.0	0.661617	10.0	2225895.0	0.132323	Y
6	ICIS 410-102081/13	10.0	1.353322	10.0	2227977.0	0.135332	Y
7	IC 410-102081/12	25.0	3.352284	10.0	2252002.0	0.134091	Y



Calibration / Tetrahydrofuran

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

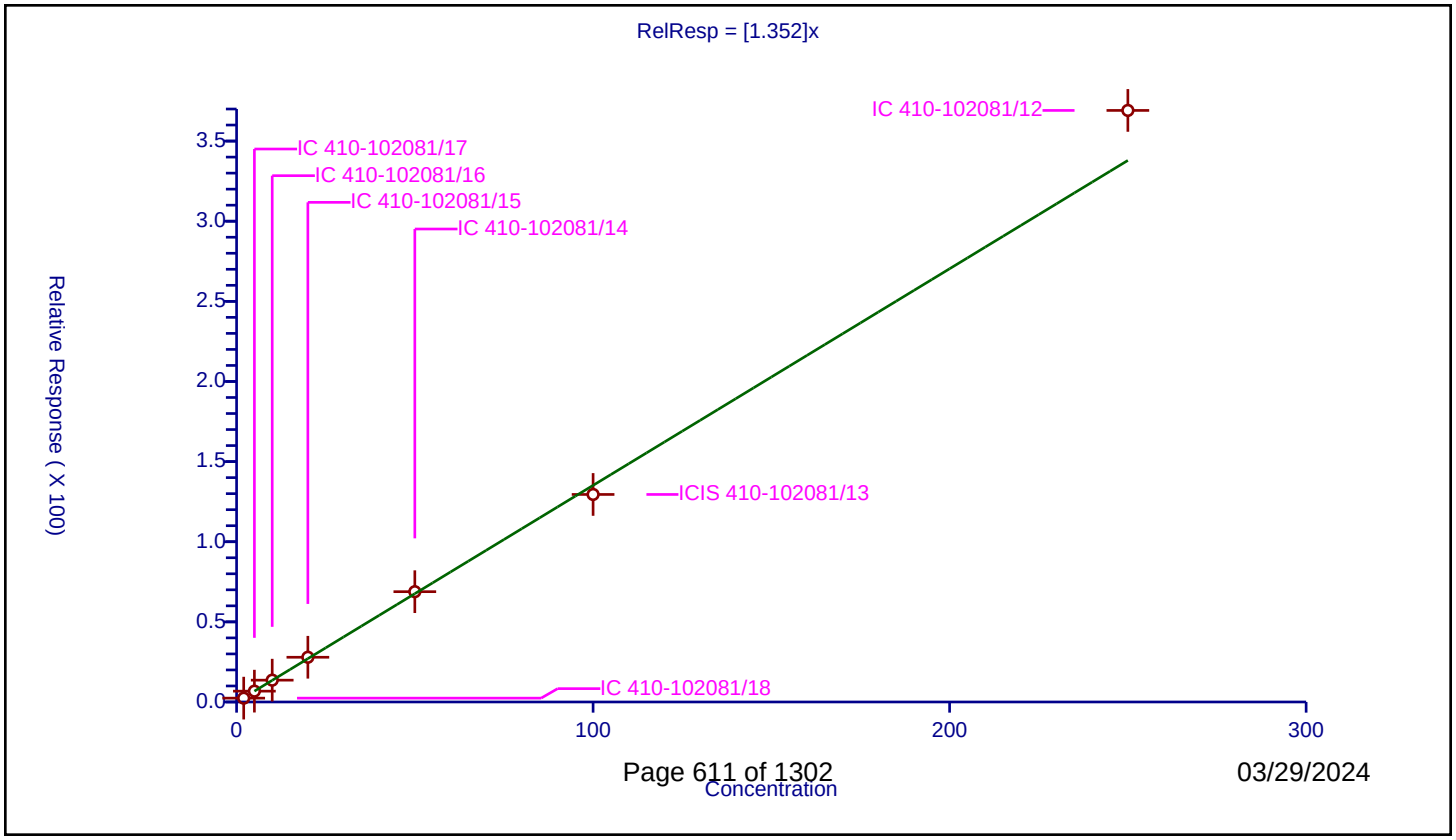
Curve Coefficients

Intercept:	0
Slope:	1.352

Error Coefficients

Standard Error:	523000
Relative Standard Error:	6.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	2.0	2.404042	50.0	174165.0	1.202021	Y
2	IC 410-102081/17	5.0	6.767317	50.0	171087.0	1.353463	Y
3	IC 410-102081/16	10.0	13.623742	50.0	165663.0	1.362374	Y
4	IC 410-102081/15	20.0	27.919335	50.0	173036.0	1.395967	Y
5	IC 410-102081/14	50.0	68.8206	50.0	171477.0	1.376412	Y
6	ICIS 410-102081/13	100.0	129.500916	50.0	195338.0	1.295009	Y
7	IC 410-102081/12	250.0	369.126124	50.0	155617.0	1.476504	Y



Calibration / Chloroform

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

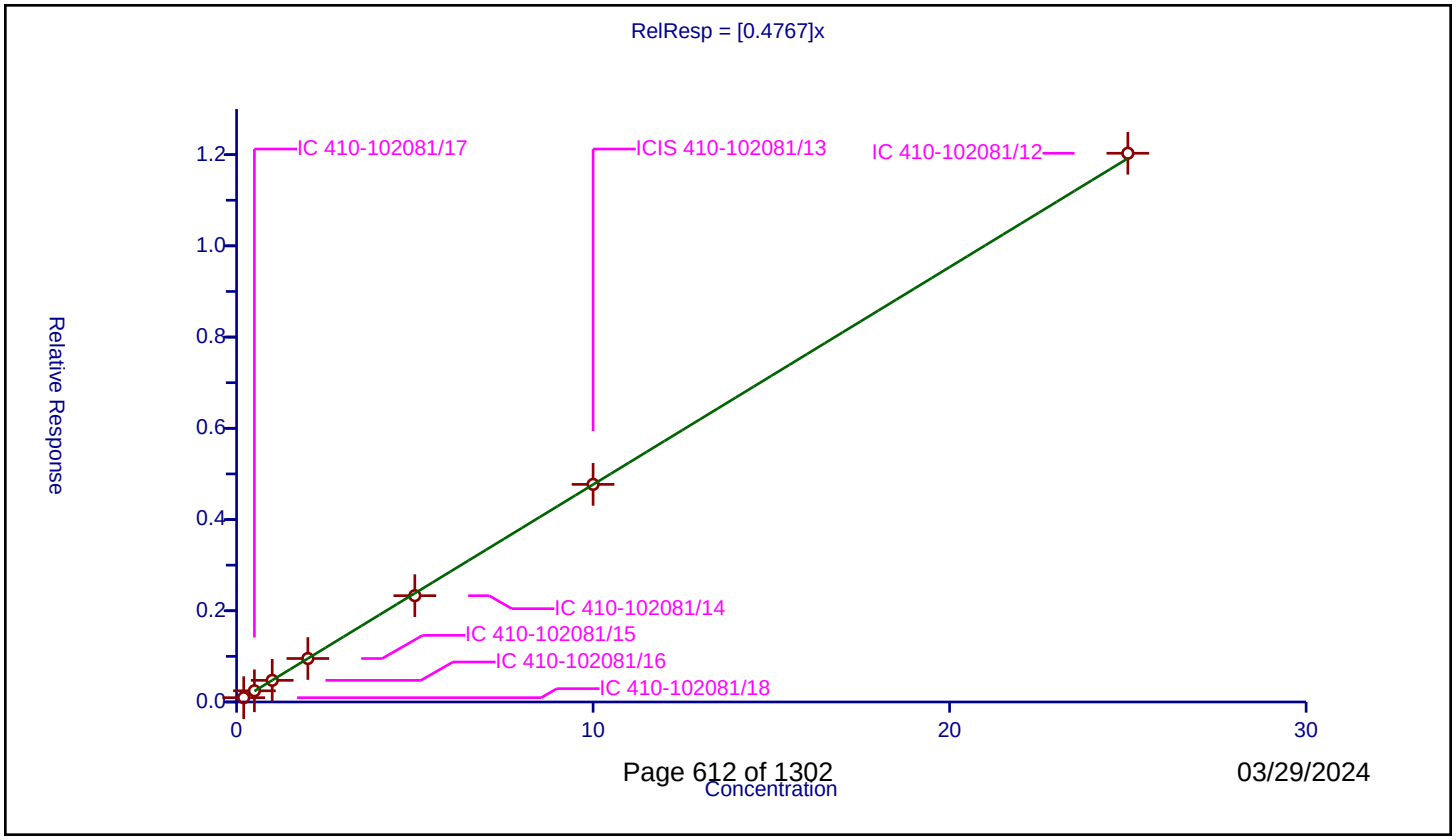
Curve Coefficients

Intercept:	0
Slope:	0.4767

Error Coefficients

Standard Error:	1210000
Relative Standard Error:	1.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.094312	10.0	2149149.0	0.471559	Y
2	IC 410-102081/17	0.5	0.244982	10.0	2186974.0	0.489965	Y
3	IC 410-102081/16	1.0	0.474358	10.0	2195473.0	0.474358	Y
4	IC 410-102081/15	2.0	0.953273	10.0	2201773.0	0.476636	Y
5	IC 410-102081/14	5.0	2.330856	10.0	2225895.0	0.466171	Y
6	ICIS 410-102081/13	10.0	4.771019	10.0	2227977.0	0.477102	Y
7	IC 410-102081/12	25.0	12.029954	10.0	2252002.0	0.481198	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

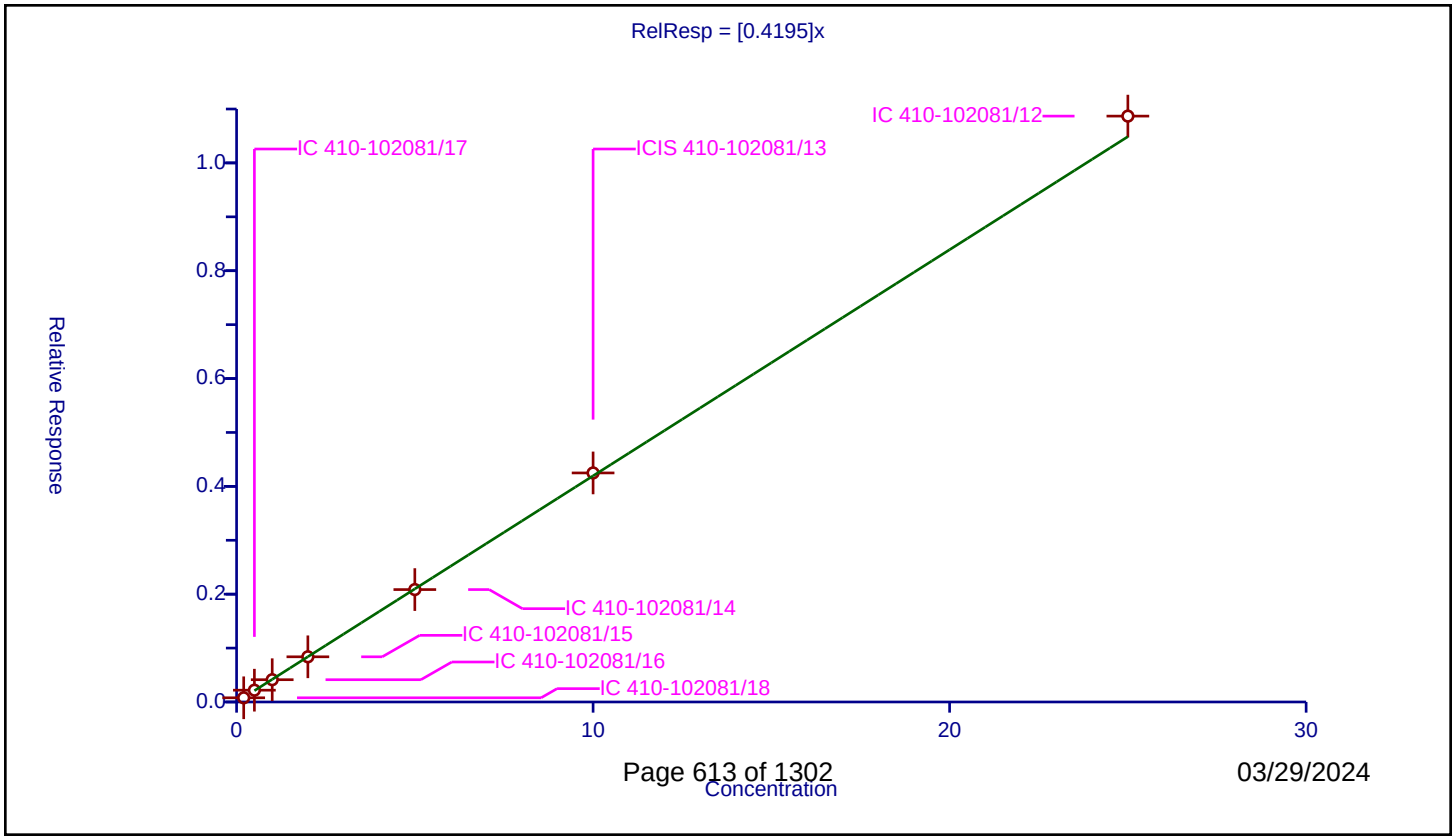
Curve Coefficients

Intercept:	0
Slope:	0.4195

Error Coefficients

Standard Error:	1090000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.077803	10.0	2149149.0	0.389014	Y
2	IC 410-102081/17	0.5	0.219134	10.0	2186974.0	0.438268	Y
3	IC 410-102081/16	1.0	0.413355	10.0	2195473.0	0.413355	Y
4	IC 410-102081/15	2.0	0.83832	10.0	2201773.0	0.41916	Y
5	IC 410-102081/14	5.0	2.085094	10.0	2225895.0	0.417019	Y
6	ICIS 410-102081/13	10.0	4.249043	10.0	2227977.0	0.424904	Y
7	IC 410-102081/12	25.0	10.868201	10.0	2252002.0	0.434728	Y



Calibration / Dibromofluoromethane (Surr)

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

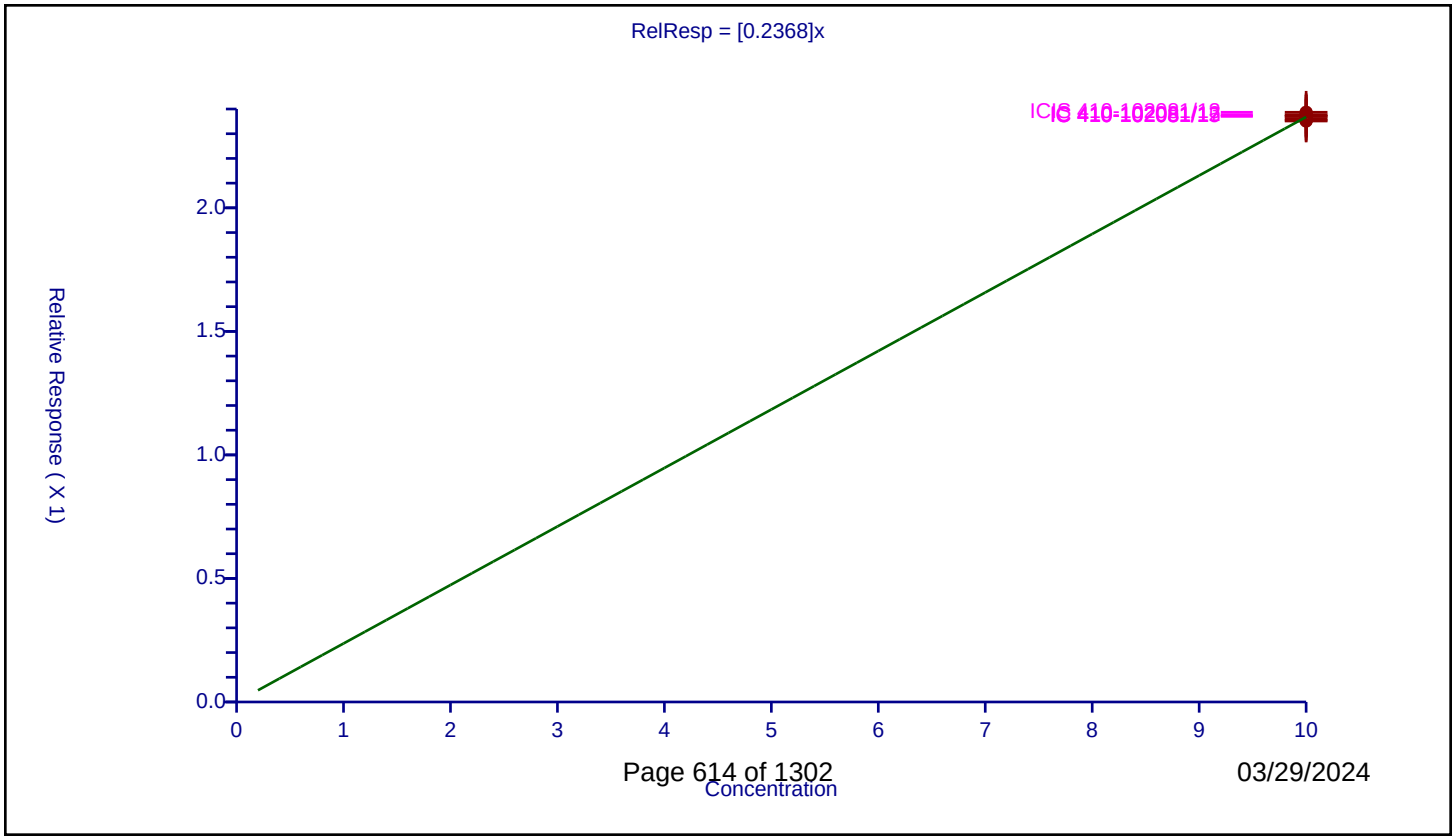
Curve Coefficients

Intercept:	0
Slope:	0.2368

Error Coefficients

Standard Error:	564000
Relative Standard Error:	0.5
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/12	10.0	2.376992	10.0	2252002.0	0.237699	Y
2	ICIS 410-102081/13	10.0	2.386793	10.0	2227977.0	0.238679	Y
3	IC 410-102081/14	10.0	2.351391	10.0	2225895.0	0.235139	Y
4	IC 410-102081/15	10.0	2.372211	10.0	2201773.0	0.237221	Y
5	IC 410-102081/16	10.0	2.361596	10.0	2195473.0	0.23616	Y
6	IC 410-102081/17	10.0	2.370408	10.0	2186974.0	0.237041	Y
7	IC 410-102081/18	10.0	2.354853	10.0	2149149.0	0.235485	Y



Calibration / Cyclohexane

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

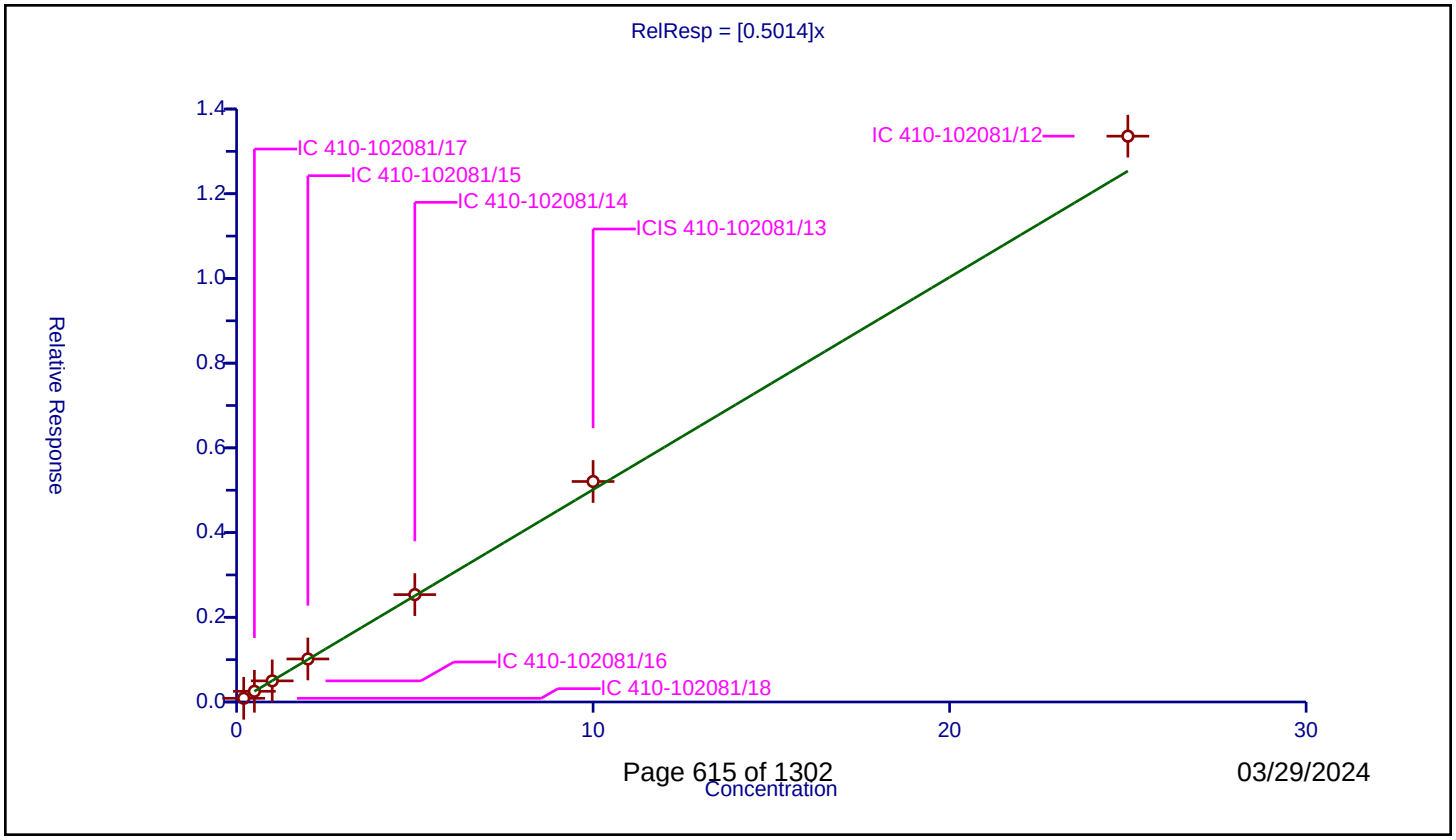
Curve Coefficients

Intercept:	0
Slope:	0.5014

Error Coefficients

Standard Error:	1340000
Relative Standard Error:	6.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.087346	10.0	2149149.0	0.436731	Y
2	IC 410-102081/17	0.5	0.25249	10.0	2186974.0	0.504981	Y
3	IC 410-102081/16	1.0	0.498489	10.0	2195473.0	0.498489	Y
4	IC 410-102081/15	2.0	1.015663	10.0	2201773.0	0.507832	Y
5	IC 410-102081/14	5.0	2.534751	10.0	2225895.0	0.50695	Y
6	ICIS 410-102081/13	10.0	5.205767	10.0	2227977.0	0.520577	Y
7	IC 410-102081/12	25.0	13.359047	10.0	2252002.0	0.534362	Y



Calibration / Carbon tetrachloride

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

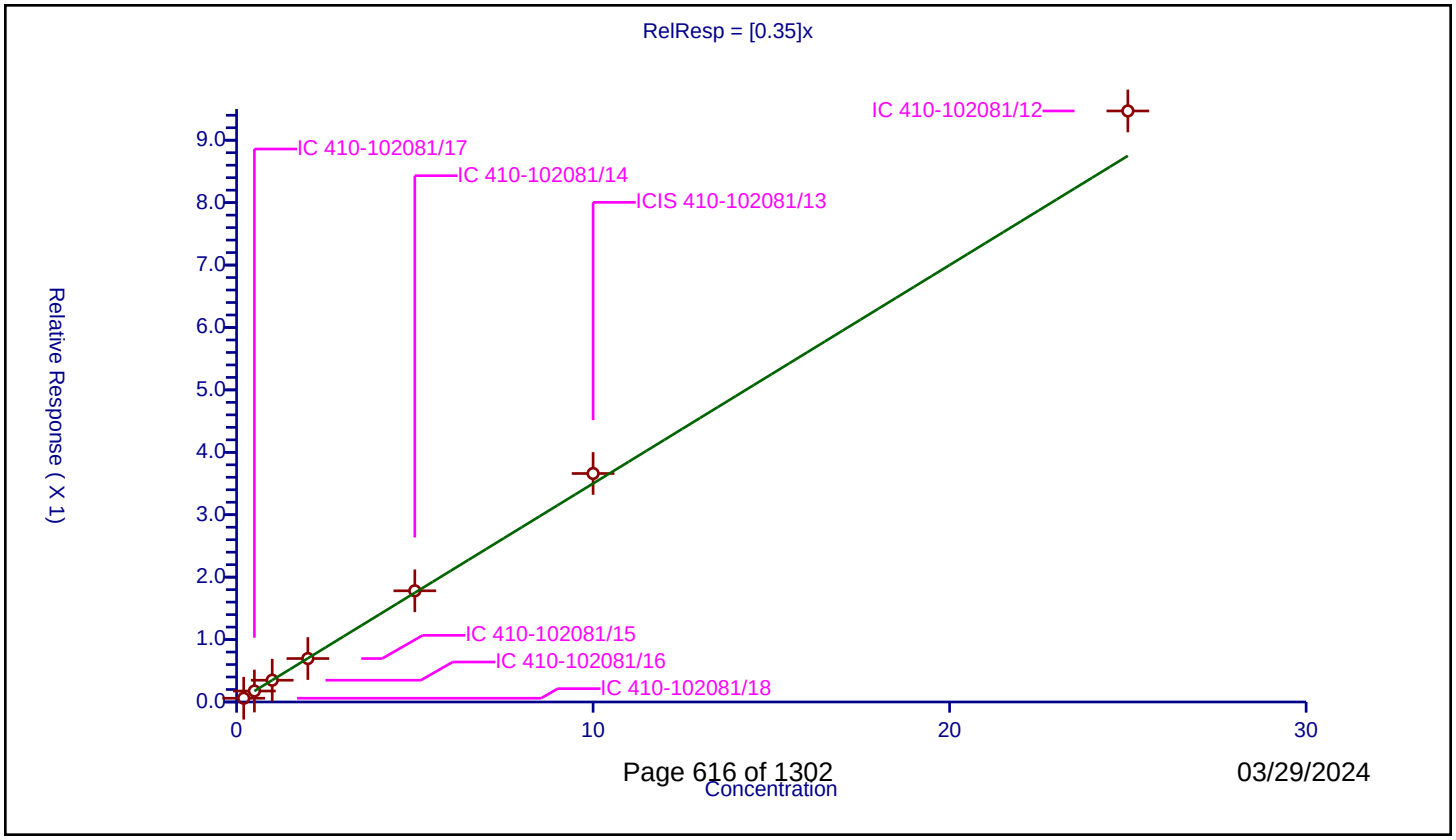
Curve Coefficients

Intercept:	0
Slope:	0.35

Error Coefficients

Standard Error:	949000
Relative Standard Error:	7.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.060094	10.0	2149149.0	0.300468	Y
2	IC 410-102081/17	0.5	0.175741	10.0	2186974.0	0.351481	Y
3	IC 410-102081/16	1.0	0.348772	10.0	2195473.0	0.348772	Y
4	IC 410-102081/15	2.0	0.696325	10.0	2201773.0	0.348163	Y
5	IC 410-102081/14	5.0	1.781468	10.0	2225895.0	0.356294	Y
6	ICIS 410-102081/13	10.0	3.660873	10.0	2227977.0	0.366087	Y
7	IC 410-102081/12	25.0	9.468917	10.0	2252002.0	0.378757	Y



Calibration / 1,1-Dichloropropene

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

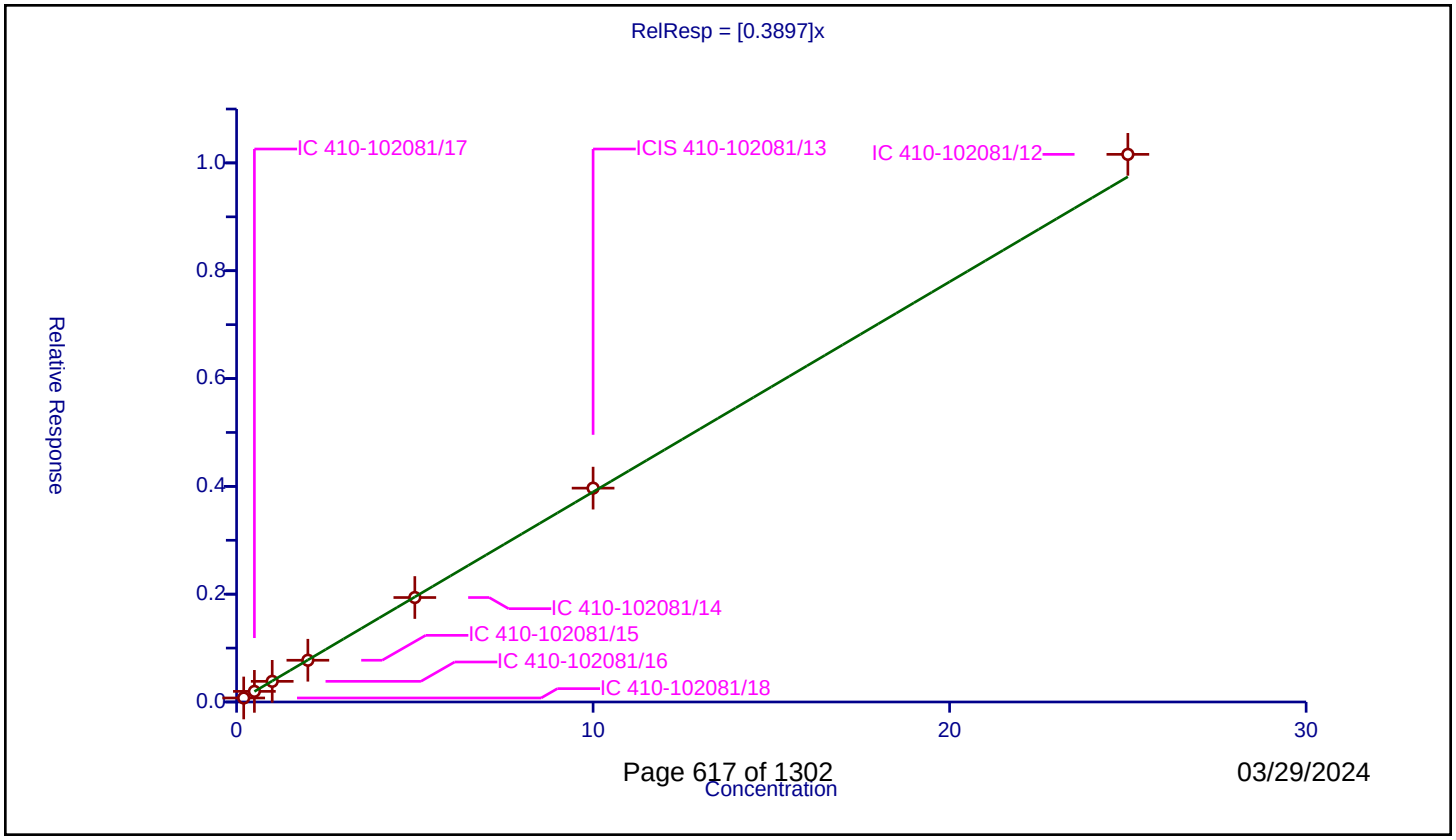
Curve Coefficients

Intercept:	0
Slope:	0.3897

Error Coefficients

Standard Error:	1020000
Relative Standard Error:	2.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.07455	10.0	2149149.0	0.372752	Y
2	IC 410-102081/17	0.5	0.197145	10.0	2186974.0	0.394289	Y
3	IC 410-102081/16	1.0	0.383289	10.0	2195473.0	0.383289	Y
4	IC 410-102081/15	2.0	0.774312	10.0	2201773.0	0.387156	Y
5	IC 410-102081/14	5.0	1.937962	10.0	2225895.0	0.387592	Y
6	ICIS 410-102081/13	10.0	3.967133	10.0	2227977.0	0.396713	Y
7	IC 410-102081/12	25.0	10.159014	10.0	2252002.0	0.406361	Y



Calibration / Isobutyl alcohol

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

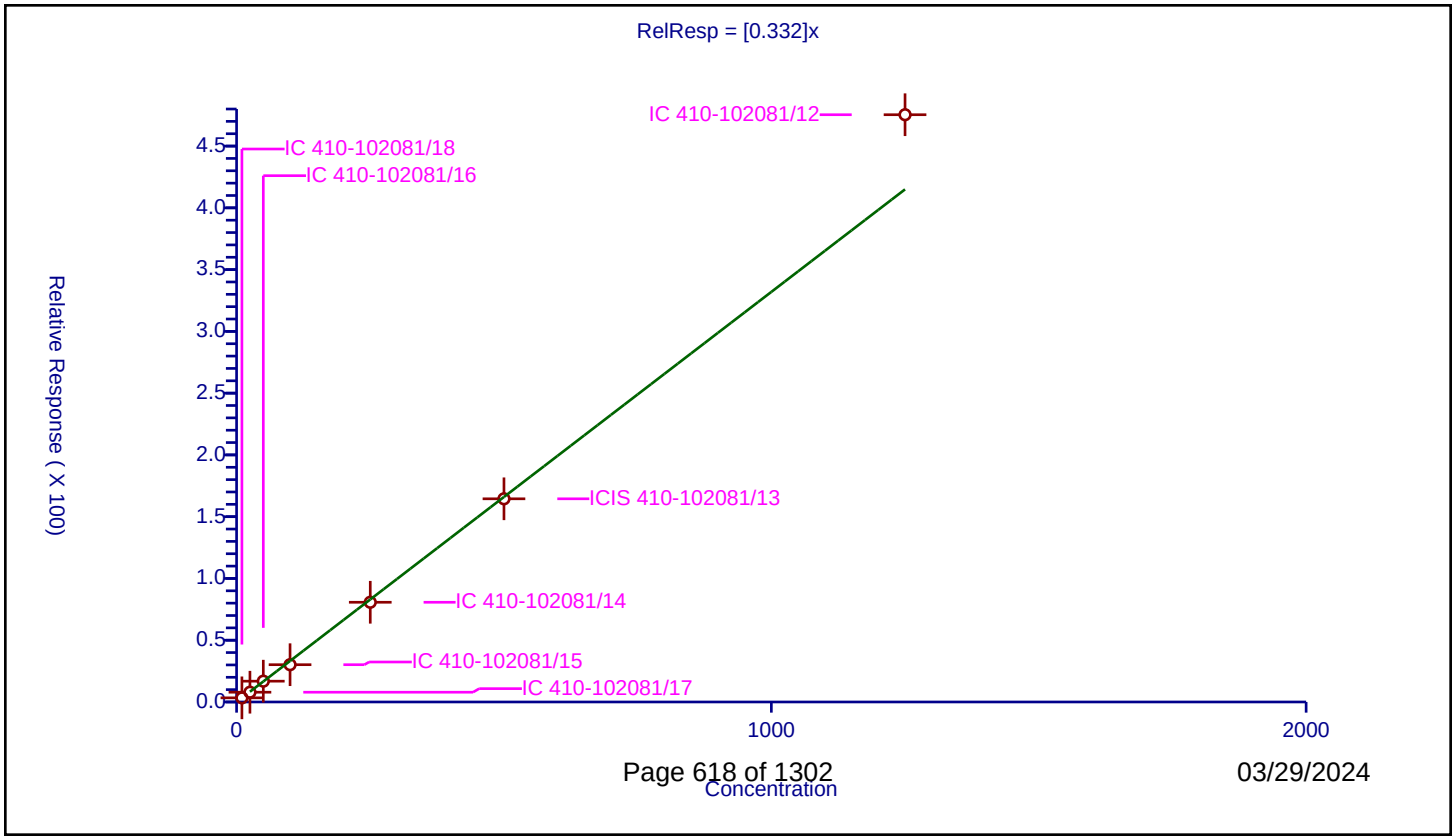
Curve Coefficients

Intercept:	0
Slope:	0.332

Error Coefficients

Standard Error:	670000
Relative Standard Error:	7.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	10.0	3.362903	50.0	174165.0	0.33629	Y
2	IC 410-102081/17	25.0	7.910303	50.0	171087.0	0.316412	Y
3	IC 410-102081/16	50.0	16.852284	50.0	165663.0	0.337046	Y
4	IC 410-102081/15	100.0	30.189672	50.0	173036.0	0.301897	Y
5	IC 410-102081/14	250.0	80.726278	50.0	171477.0	0.322905	Y
6	ICIS 410-102081/13	500.0	164.470047	50.0	195338.0	0.32894	Y
7	IC 410-102081/12	1250.0	475.389257	50.0	155617.0	0.380311	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

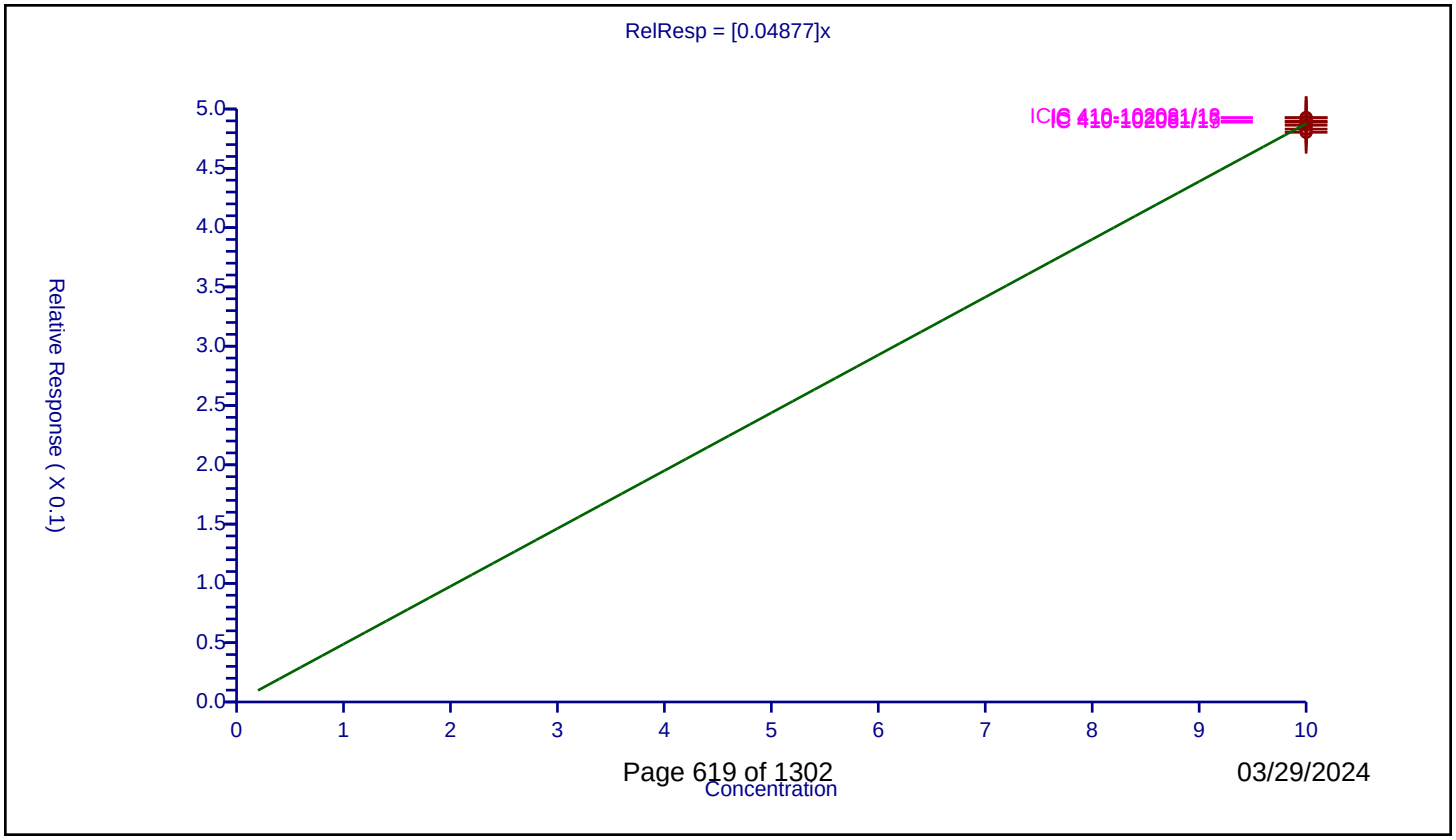
Curve Coefficients

Intercept:	0
Slope:	0.04877

Error Coefficients

Standard Error:	116000
Relative Standard Error:	1.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/12	10.0	0.480364	10.0	2252002.0	0.048036	Y
2	ICIS 410-102081/13	10.0	0.492761	10.0	2227977.0	0.049276	Y
3	IC 410-102081/14	10.0	0.483051	10.0	2225895.0	0.048305	Y
4	IC 410-102081/15	10.0	0.488861	10.0	2201773.0	0.048886	Y
5	IC 410-102081/16	10.0	0.492527	10.0	2195473.0	0.049253	Y
6	IC 410-102081/17	10.0	0.489704	10.0	2186974.0	0.04897	Y
7	IC 410-102081/18	10.0	0.486299	10.0	2149149.0	0.04863	Y



Calibration / Benzene

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

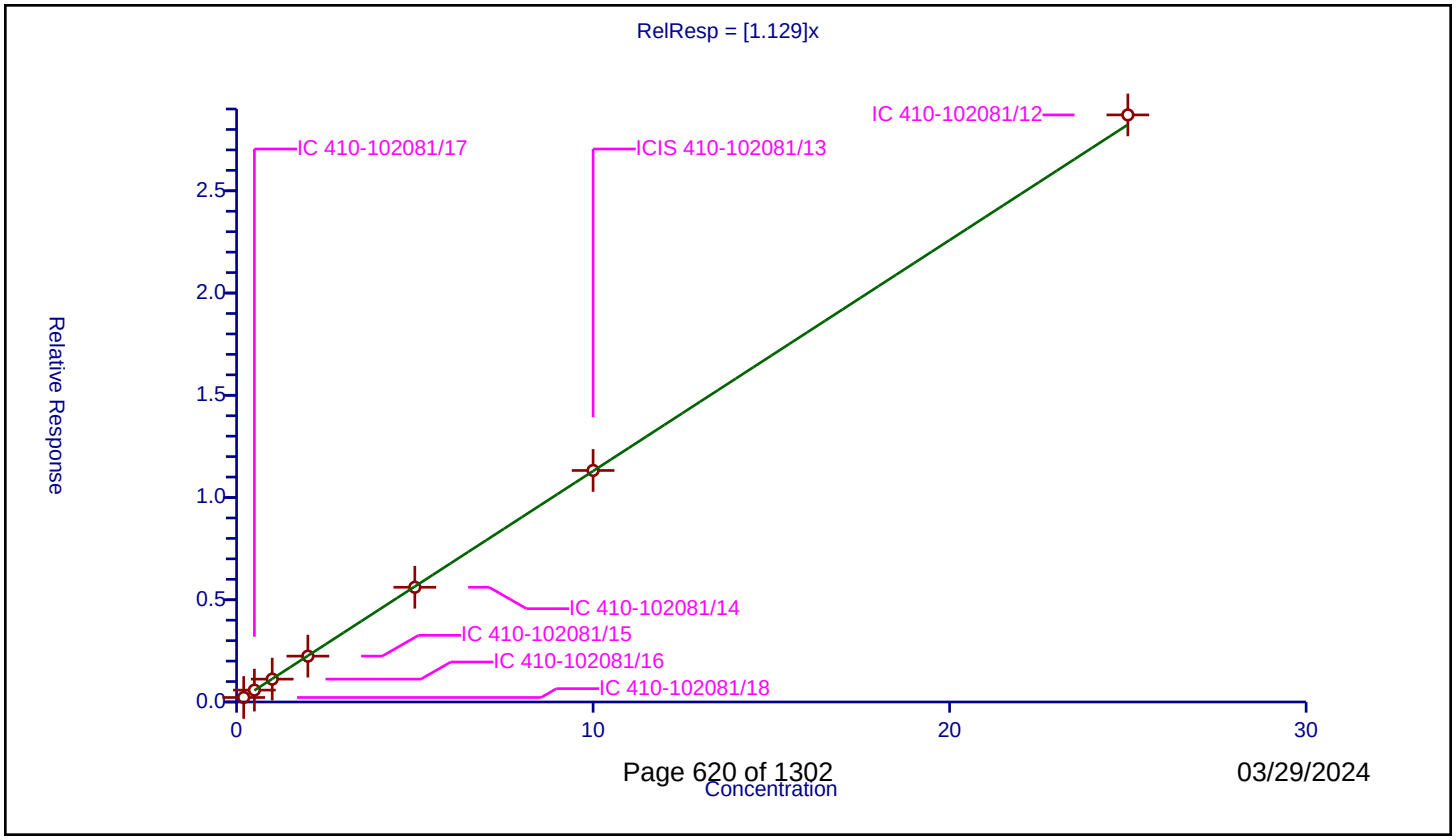
Curve Coefficients

Intercept:	0
Slope:	1.129

Error Coefficients

Standard Error:	2890000
Relative Standard Error:	1.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.22011	10.0	2149149.0	1.100552	Y
2	IC 410-102081/17	0.5	0.581466	10.0	2186974.0	1.162931	Y
3	IC 410-102081/16	1.0	1.118219	10.0	2195473.0	1.118219	Y
4	IC 410-102081/15	2.0	2.242361	10.0	2201773.0	1.121181	Y
5	IC 410-102081/14	5.0	5.610943	10.0	2225895.0	1.122189	Y
6	ICIS 410-102081/13	10.0	11.323299	10.0	2227977.0	1.13233	Y
7	IC 410-102081/12	25.0	28.712195	10.0	2252002.0	1.148488	Y



Calibration / 1,2-Dichloroethane

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

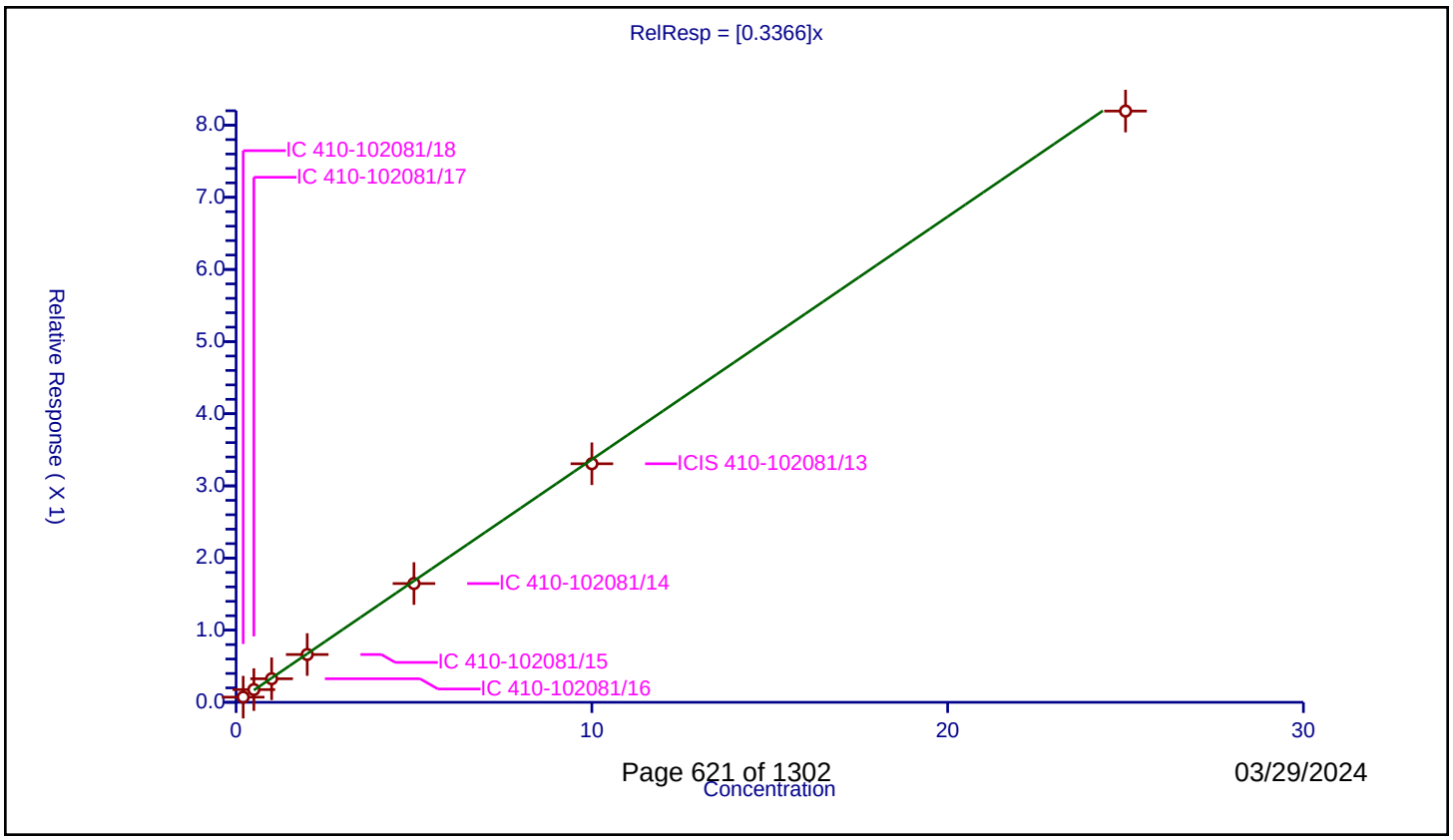
Curve Coefficients

Intercept:	0
Slope:	0.3366

Error Coefficients

Standard Error:	828000
Relative Standard Error:	3.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.071498	10.0	2149149.0	0.35749	Y
2	IC 410-102081/17	0.5	0.176532	10.0	2186974.0	0.353063	Y
3	IC 410-102081/16	1.0	0.326431	10.0	2195473.0	0.326431	Y
4	IC 410-102081/15	2.0	0.662598	10.0	2201773.0	0.331299	Y
5	IC 410-102081/14	5.0	1.646461	10.0	2225895.0	0.329292	Y
6	ICIS 410-102081/13	10.0	3.307013	10.0	2227977.0	0.330701	Y
7	IC 410-102081/12	25.0	8.19553	10.0	2252002.0	0.327821	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

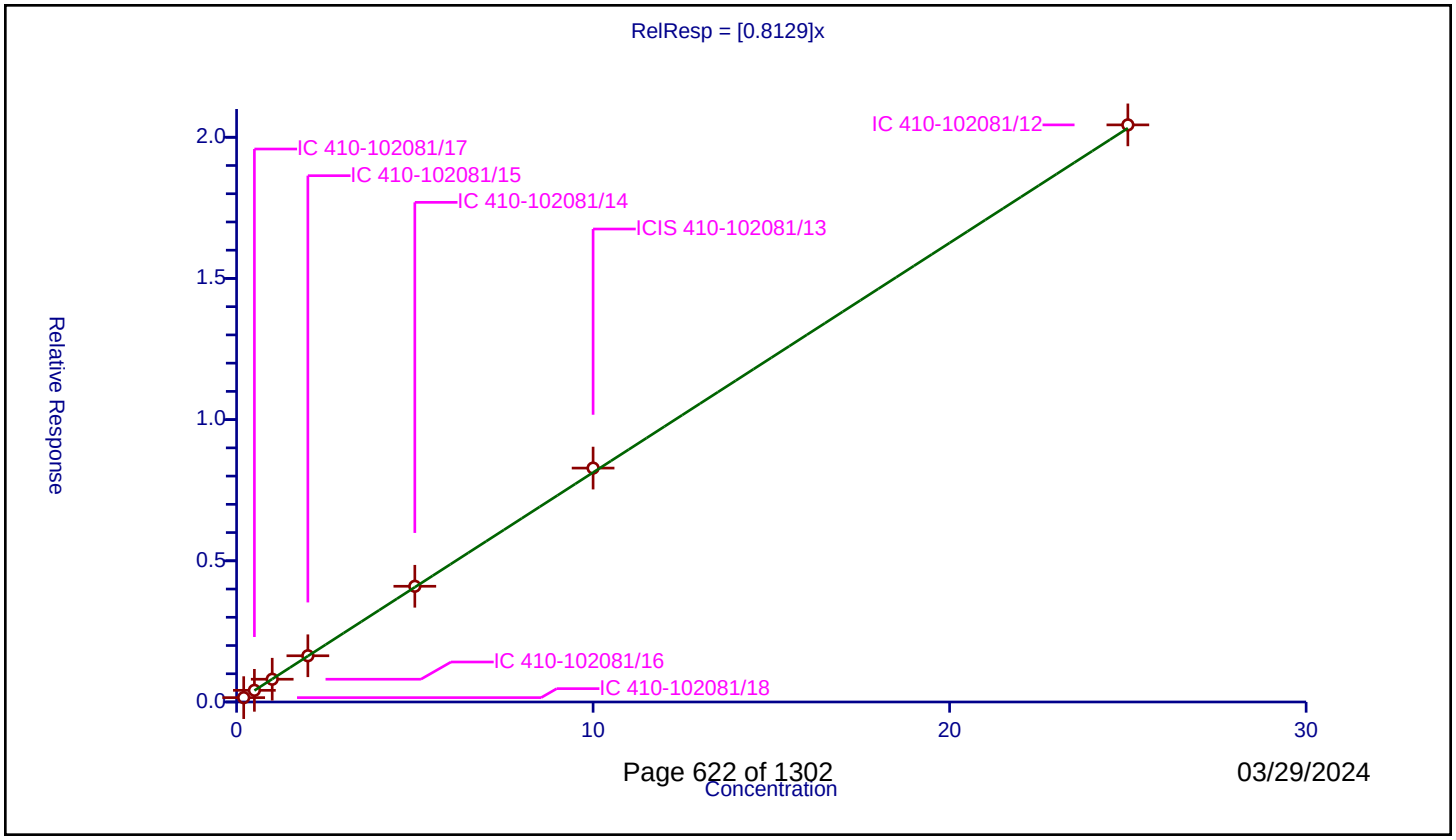
Curve Coefficients

Intercept:	0
Slope:	0.8129

Error Coefficients

Standard Error:	2070000
Relative Standard Error:	2.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.154782	10.0	2149149.0	0.773911	Y
2	IC 410-102081/17	0.5	0.413466	10.0	2186974.0	0.826933	Y
3	IC 410-102081/16	1.0	0.805653	10.0	2195473.0	0.805653	Y
4	IC 410-102081/15	2.0	1.636686	10.0	2201773.0	0.818343	Y
5	IC 410-102081/14	5.0	4.09788	10.0	2225895.0	0.819576	Y
6	ICIS 410-102081/13	10.0	8.283945	10.0	2227977.0	0.828395	Y
7	IC 410-102081/12	25.0	20.438321	10.0	2252002.0	0.817533	Y



Calibration / n-Heptane

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

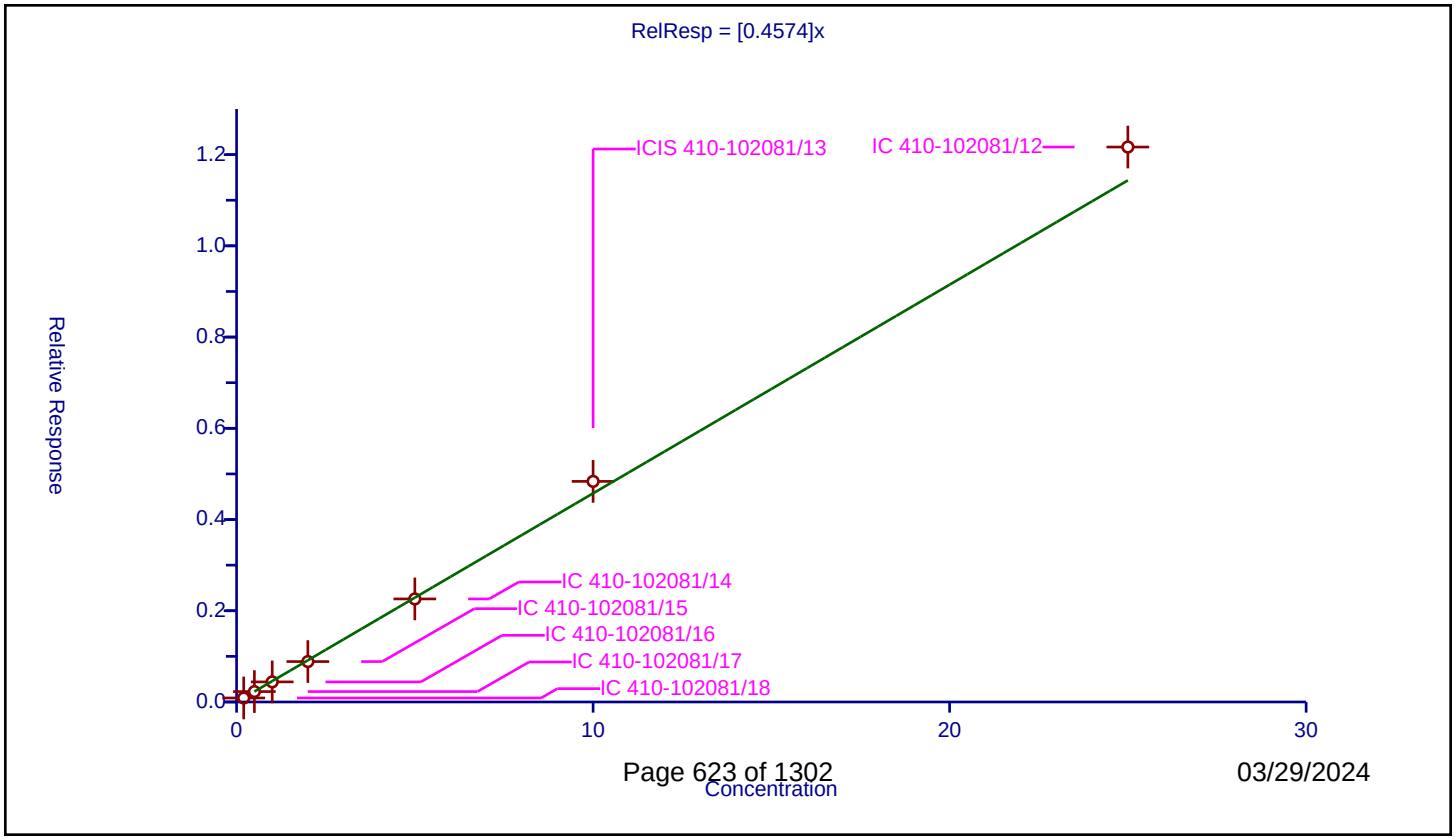
Curve Coefficients

Intercept:	0
Slope:	0.4574

Error Coefficients

Standard Error:	1220000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.087984	10.0	2149149.0	0.439918	Y
2	IC 410-102081/17	0.5	0.228087	10.0	2186974.0	0.456174	Y
3	IC 410-102081/16	1.0	0.44073	10.0	2195473.0	0.44073	Y
4	IC 410-102081/15	2.0	0.886209	10.0	2201773.0	0.443104	Y
5	IC 410-102081/14	5.0	2.259015	10.0	2225895.0	0.451803	Y
6	ICIS 410-102081/13	10.0	4.836185	10.0	2227977.0	0.483619	Y
7	IC 410-102081/12	25.0	12.166468	10.0	2252002.0	0.486659	Y



Calibration / n-Butanol

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

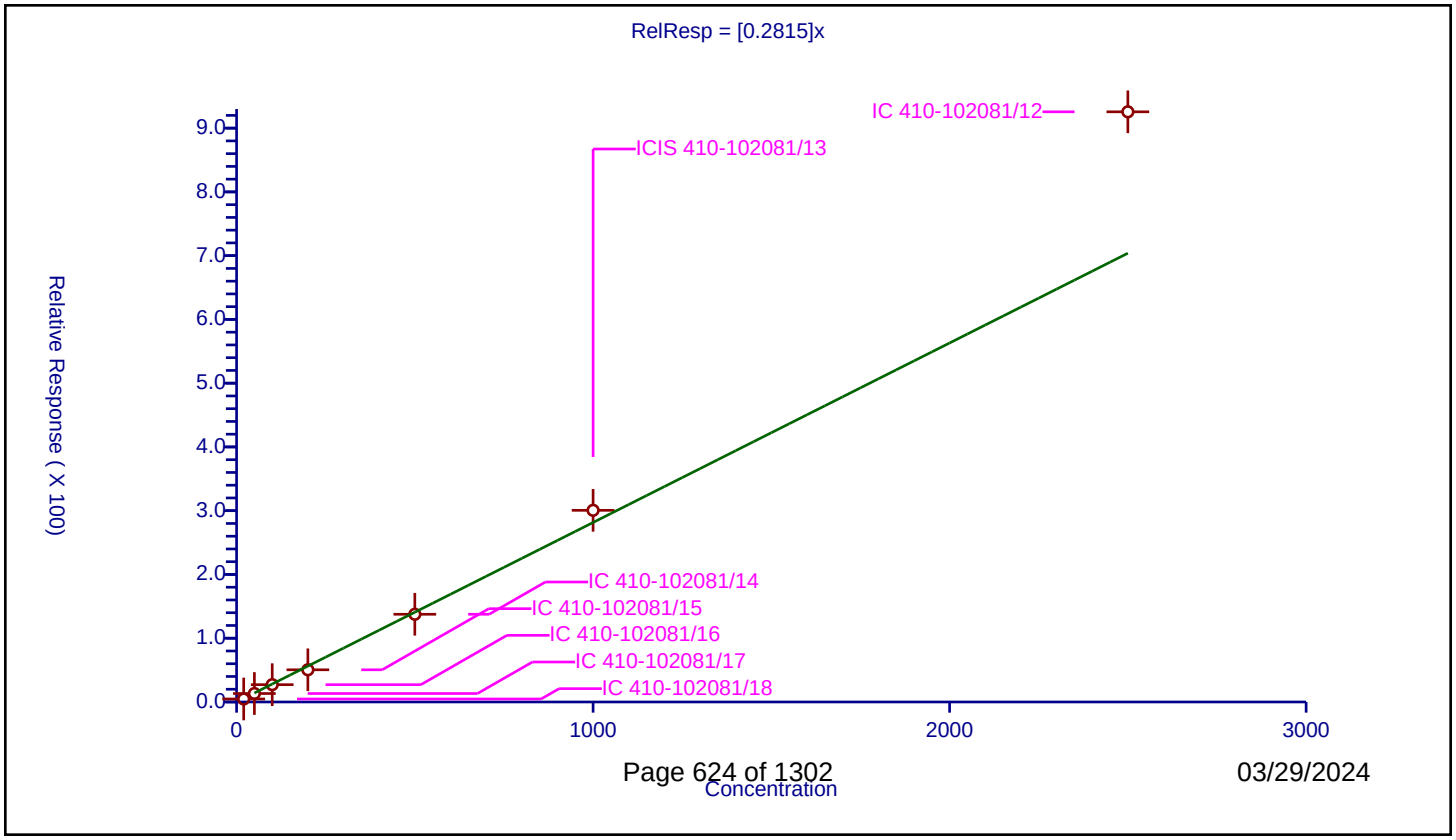
Curve Coefficients

Intercept:	0
Slope:	0.2815

Error Coefficients

Standard Error:	1290000
Relative Standard Error:	15.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	20.0	4.698992	50.0	174165.0	0.23495	Y
2	IC 410-102081/17	50.0	13.285346	50.0	171087.0	0.265707	Y
3	IC 410-102081/16	100.0	27.16207	50.0	165663.0	0.271621	Y
4	IC 410-102081/15	200.0	50.48776	50.0	173036.0	0.252439	Y
5	IC 410-102081/14	500.0	137.578509	50.0	171477.0	0.275157	Y
6	ICIS 410-102081/13	1000.0	300.596146	50.0	195338.0	0.300596	Y
7	IC 410-102081/12	2500.0	925.607742	50.0	155617.0	0.370243	Y



Calibration / Trichloroethene

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

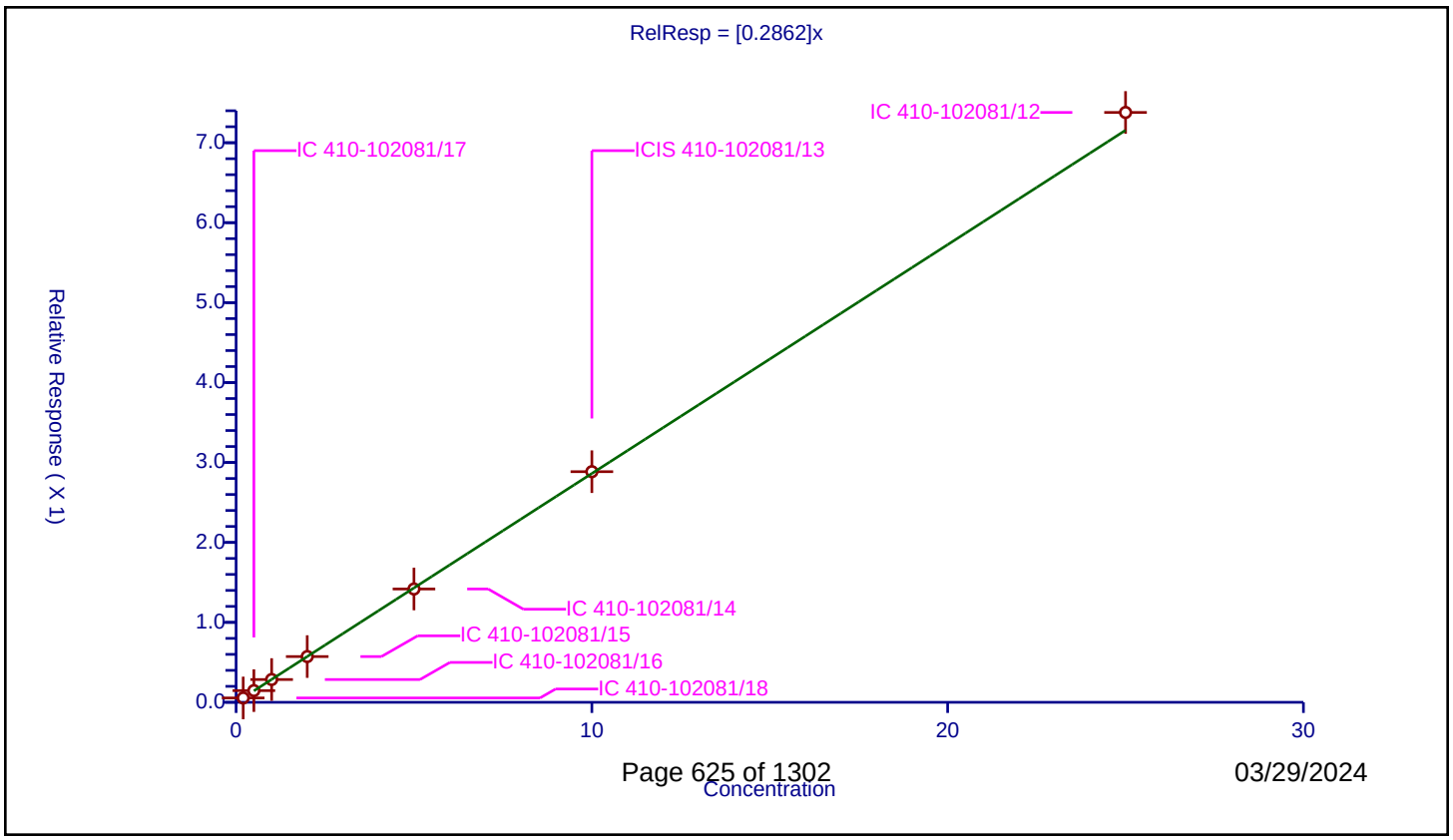
Curve Coefficients

Intercept:	0
Slope:	0.2862

Error Coefficients

Standard Error:	741000
Relative Standard Error:	2.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.054538	10.0	2149149.0	0.272689	Y
2	IC 410-102081/17	0.5	0.146275	10.0	2186974.0	0.29255	Y
3	IC 410-102081/16	1.0	0.285182	10.0	2195473.0	0.285182	Y
4	IC 410-102081/15	2.0	0.57218	10.0	2201773.0	0.28609	Y
5	IC 410-102081/14	5.0	1.417452	10.0	2225895.0	0.28349	Y
6	ICIS 410-102081/13	10.0	2.885093	10.0	2227977.0	0.288509	Y
7	IC 410-102081/12	25.0	7.378568	10.0	2252002.0	0.295143	Y



Calibration / Methylcyclohexane

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

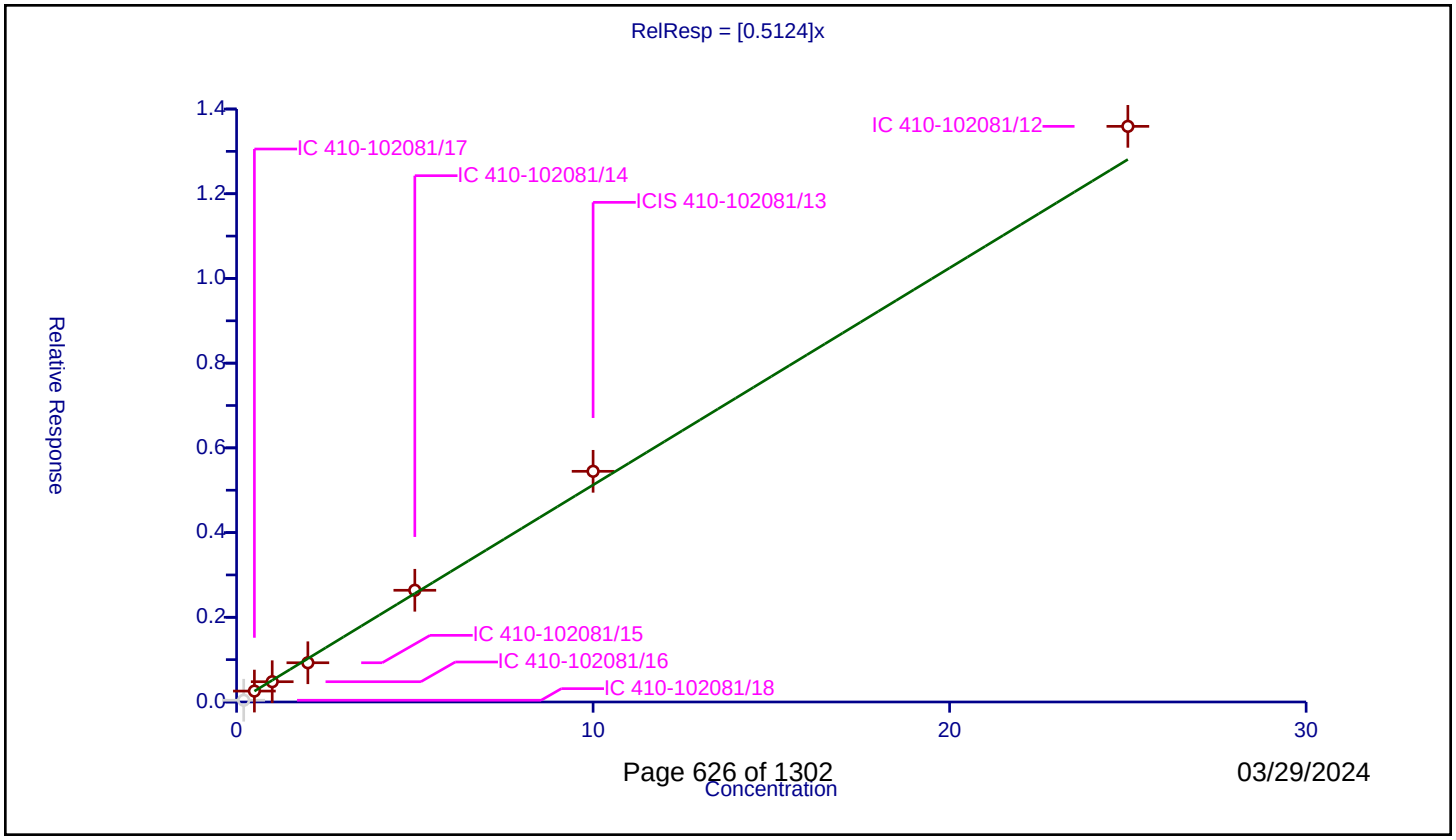
Curve Coefficients

Intercept:	0
Slope:	0.5124

Error Coefficients

Standard Error:	1500000
Relative Standard Error:	6.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.041072	10.0	2149149.0	0.20536	N
2	IC 410-102081/17	0.5	0.258051	10.0	2186974.0	0.516101	Y
3	IC 410-102081/16	1.0	0.479095	10.0	2195473.0	0.479095	Y
4	IC 410-102081/15	2.0	0.926408	10.0	2201773.0	0.463204	Y
5	IC 410-102081/14	5.0	2.637806	10.0	2225895.0	0.527561	Y
6	ICIS 410-102081/13	10.0	5.446322	10.0	2227977.0	0.544632	Y
7	IC 410-102081/12	25.0	13.590694	10.0	2252002.0	0.543628	Y



Calibration / 1,2-Dichloropropane

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

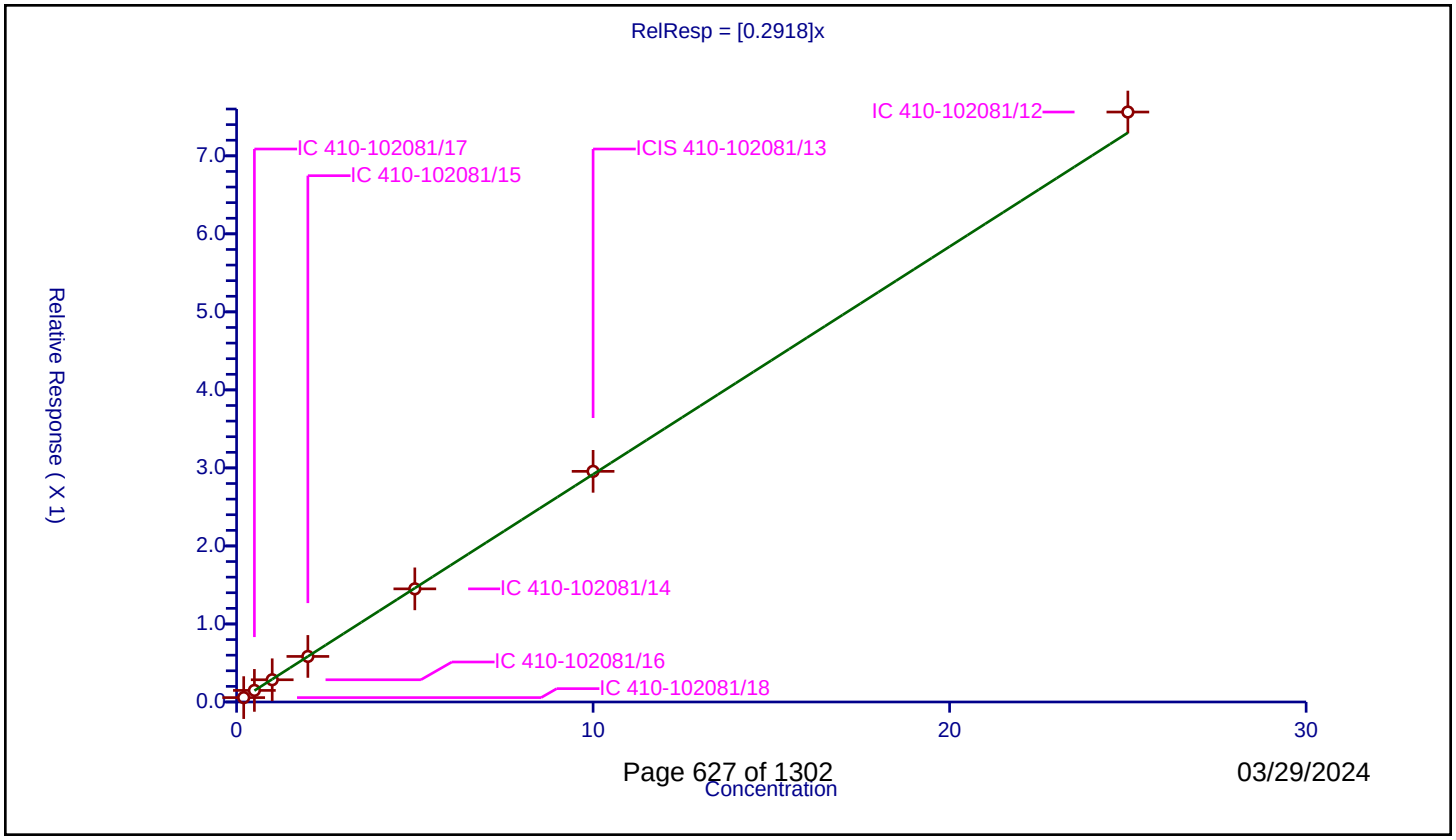
Curve Coefficients

Intercept:	0
Slope:	0.2918

Error Coefficients

Standard Error:	759000
Relative Standard Error:	2.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.056162	10.0	2149149.0	0.280809	Y
2	IC 410-102081/17	0.5	0.148493	10.0	2186974.0	0.296986	Y
3	IC 410-102081/16	1.0	0.285014	10.0	2195473.0	0.285014	Y
4	IC 410-102081/15	2.0	0.584066	10.0	2201773.0	0.292033	Y
5	IC 410-102081/14	5.0	1.449875	10.0	2225895.0	0.289975	Y
6	ICIS 410-102081/13	10.0	2.956157	10.0	2227977.0	0.295616	Y
7	IC 410-102081/12	25.0	7.561294	10.0	2252002.0	0.302452	Y



Calibration / Methyl methacrylate

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

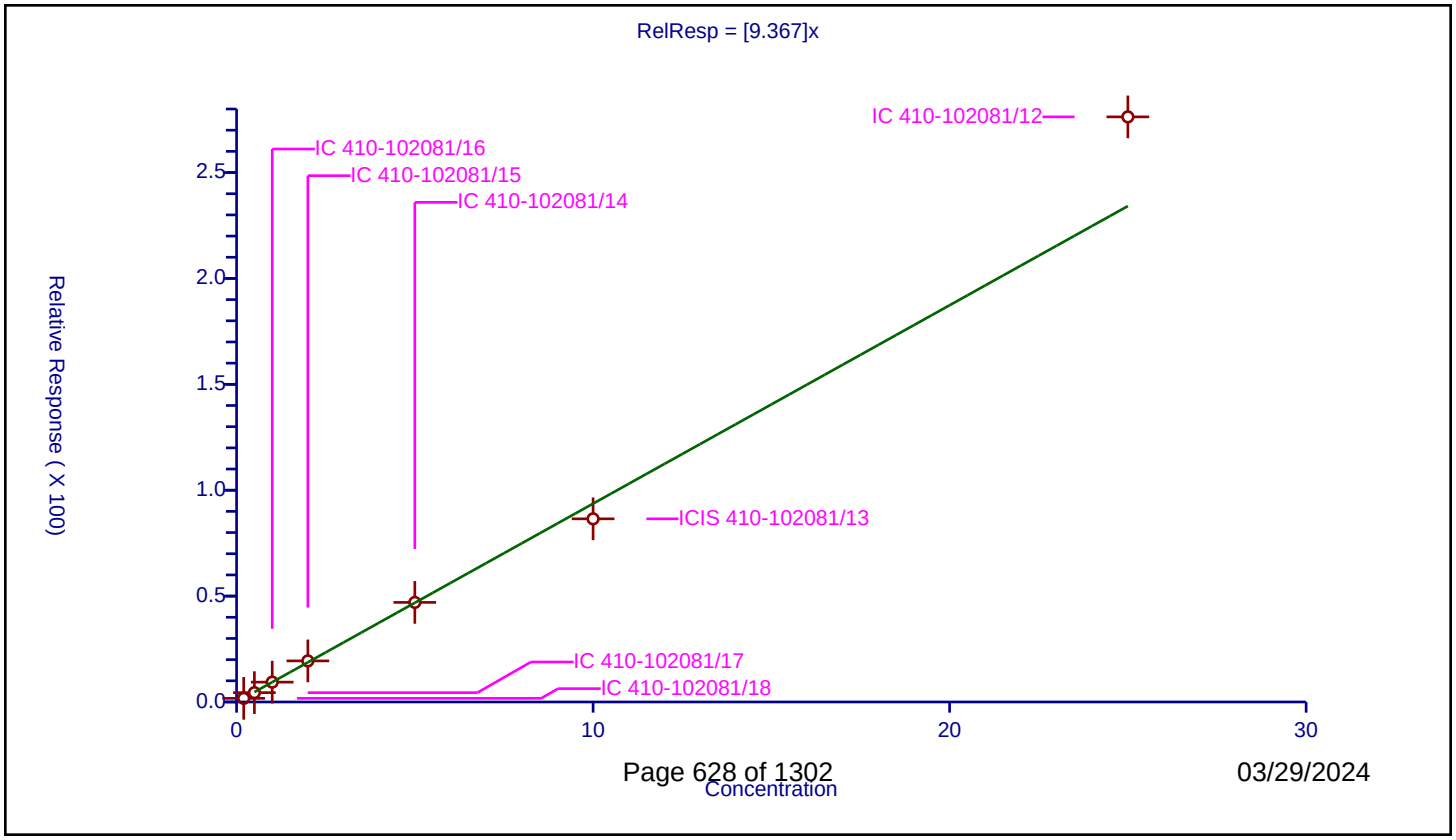
Curve Coefficients

Intercept:	0
Slope:	9.367

Error Coefficients

Standard Error:	384000
Relative Standard Error:	9.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	1.713318	50.0	174165.0	8.566589	Y
2	IC 410-102081/17	0.5	4.412667	50.0	171087.0	8.825334	Y
3	IC 410-102081/16	1.0	9.37234	50.0	165663.0	9.37234	Y
4	IC 410-102081/15	2.0	19.391629	50.0	173036.0	9.695815	Y
5	IC 410-102081/14	5.0	47.029922	50.0	171477.0	9.405984	Y
6	ICIS 410-102081/13	10.0	86.493411	50.0	195338.0	8.649341	Y
7	IC 410-102081/12	25.0	276.286974	50.0	155617.0	11.051479	Y



03/29/2024

Calibration / 1,4-Dioxane

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

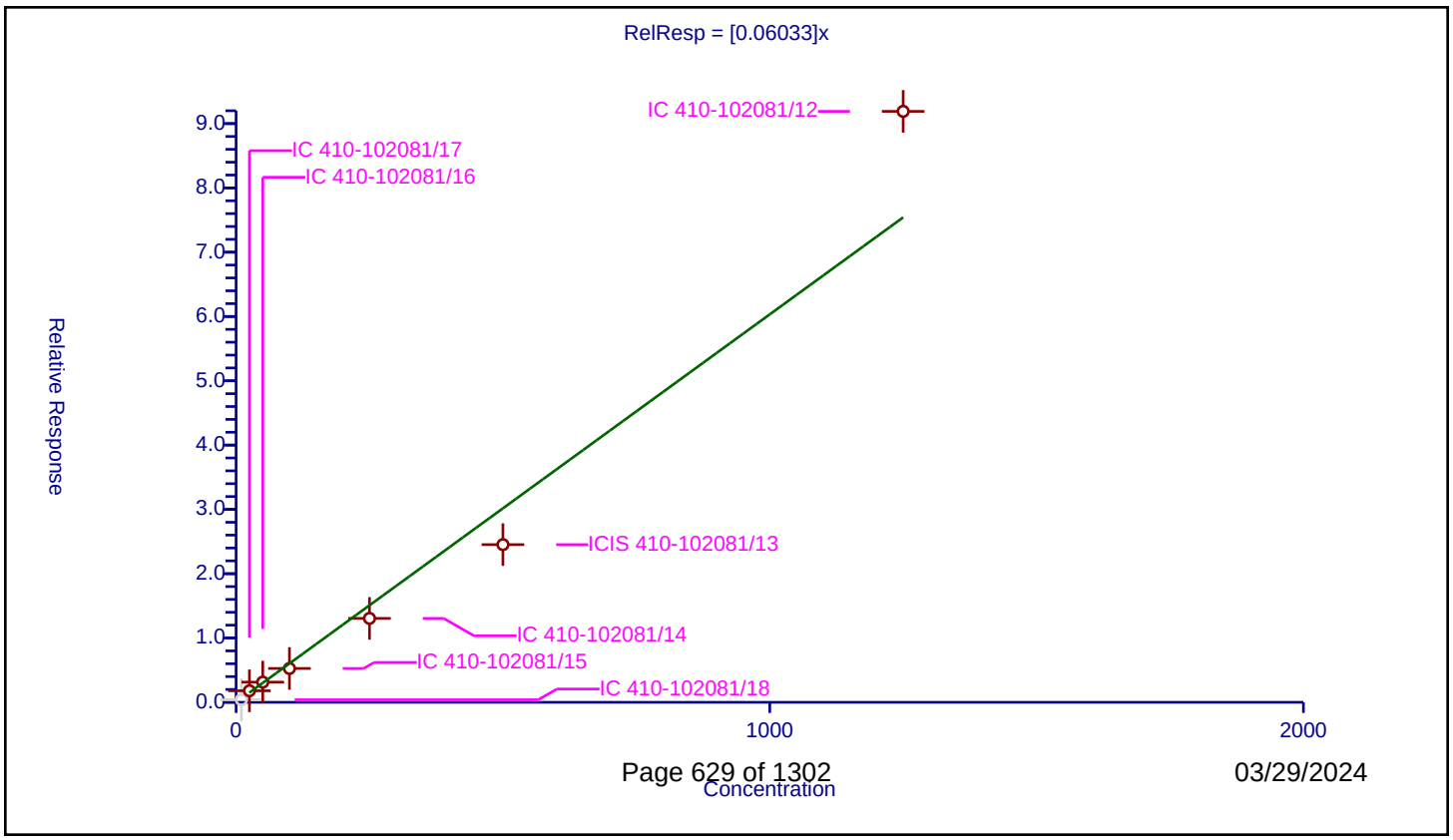
Curve Coefficients

Intercept:	0
Slope:	0.06033

Error Coefficients

Standard Error:	137000
Relative Standard Error:	17.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.946

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	10.0	0.397324	50.0	174165.0	0.039732	N
2	IC 410-102081/17	25.0	1.794701	50.0	171087.0	0.071788	Y
3	IC 410-102081/16	50.0	3.139506	50.0	165663.0	0.06279	Y
4	IC 410-102081/15	100.0	5.263645	50.0	173036.0	0.052636	Y
5	IC 410-102081/14	250.0	13.05073	50.0	171477.0	0.052203	Y
6	ICIS 410-102081/13	500.0	24.524926	50.0	195338.0	0.04905	Y
7	IC 410-102081/12	1250.0	91.90609	50.0	155617.0	0.073525	Y



Calibration / Dibromomethane

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

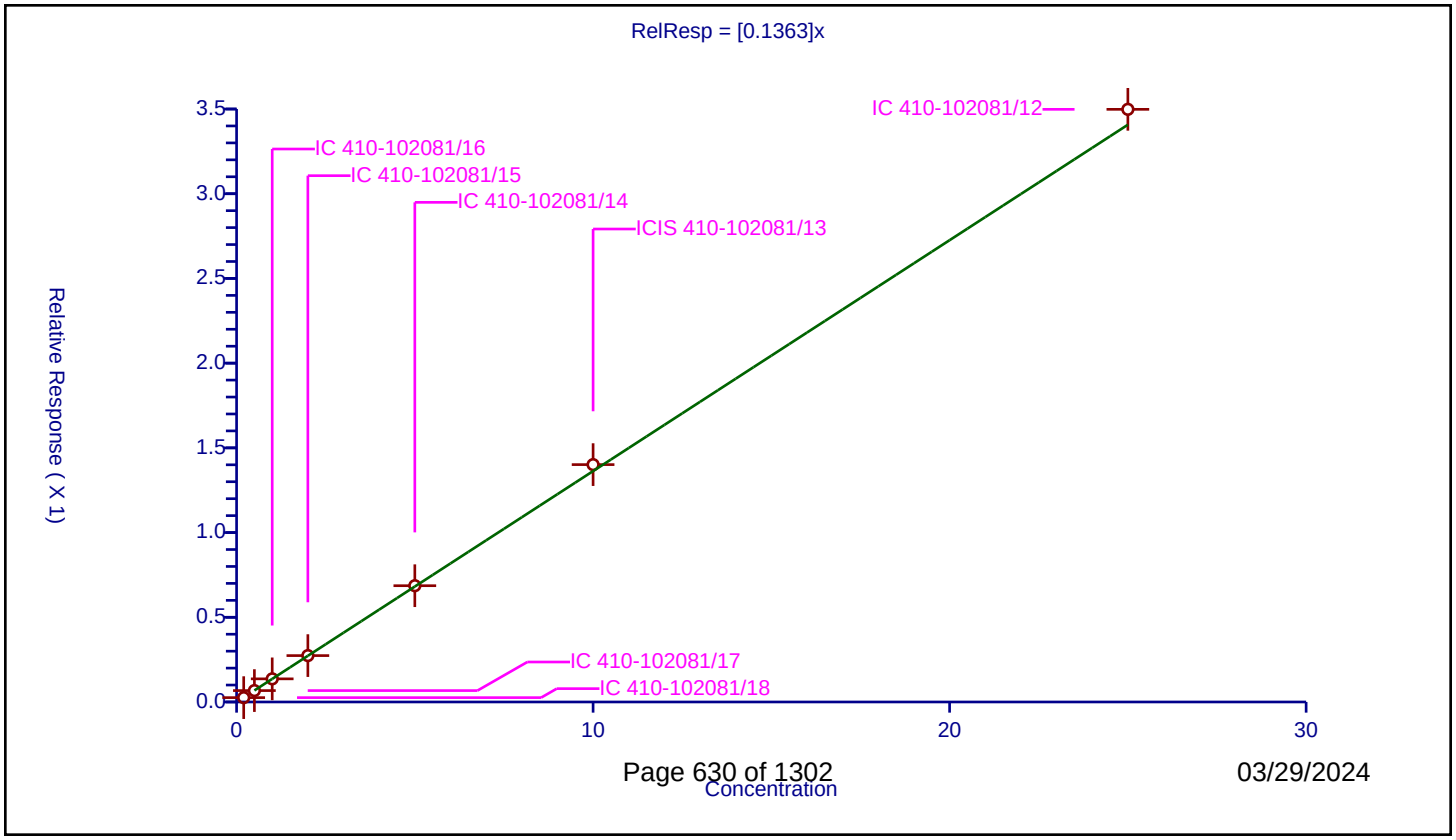
Curve Coefficients

Intercept:	0
Slope:	0.1363

Error Coefficients

Standard Error:	353000
Relative Standard Error:	2.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.025745	10.0	2149149.0	0.128725	Y
2	IC 410-102081/17	0.5	0.067225	10.0	2186974.0	0.134451	Y
3	IC 410-102081/16	1.0	0.136617	10.0	2195473.0	0.136617	Y
4	IC 410-102081/15	2.0	0.273802	10.0	2201773.0	0.136901	Y
5	IC 410-102081/14	5.0	0.68638	10.0	2225895.0	0.137276	Y
6	ICIS 410-102081/13	10.0	1.401092	10.0	2227977.0	0.140109	Y
7	IC 410-102081/12	25.0	3.498061	10.0	2252002.0	0.139922	Y



Calibration / Dichlorobromomethane

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

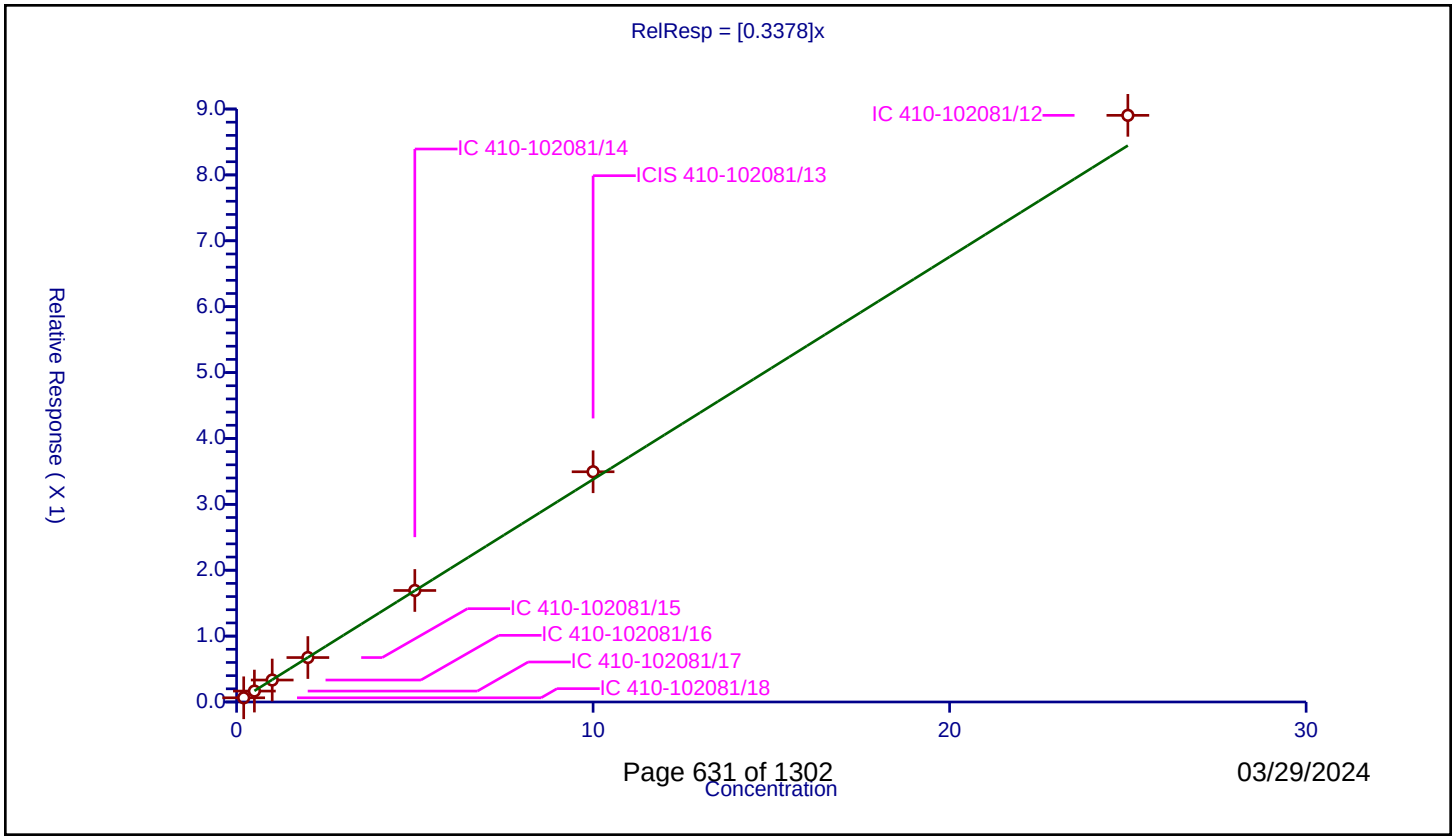
Curve Coefficients

Intercept:	0
Slope:	0.3378

Error Coefficients

Standard Error:	894000
Relative Standard Error:	3.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.063746	10.0	2149149.0	0.318731	Y
2	IC 410-102081/17	0.5	0.165731	10.0	2186974.0	0.331463	Y
3	IC 410-102081/16	1.0	0.333199	10.0	2195473.0	0.333199	Y
4	IC 410-102081/15	2.0	0.67462	10.0	2201773.0	0.33731	Y
5	IC 410-102081/14	5.0	1.692492	10.0	2225895.0	0.338498	Y
6	ICIS 410-102081/13	10.0	3.494269	10.0	2227977.0	0.349427	Y
7	IC 410-102081/12	25.0	8.903882	10.0	2252002.0	0.356155	Y



Calibration / 2-Nitropropane

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

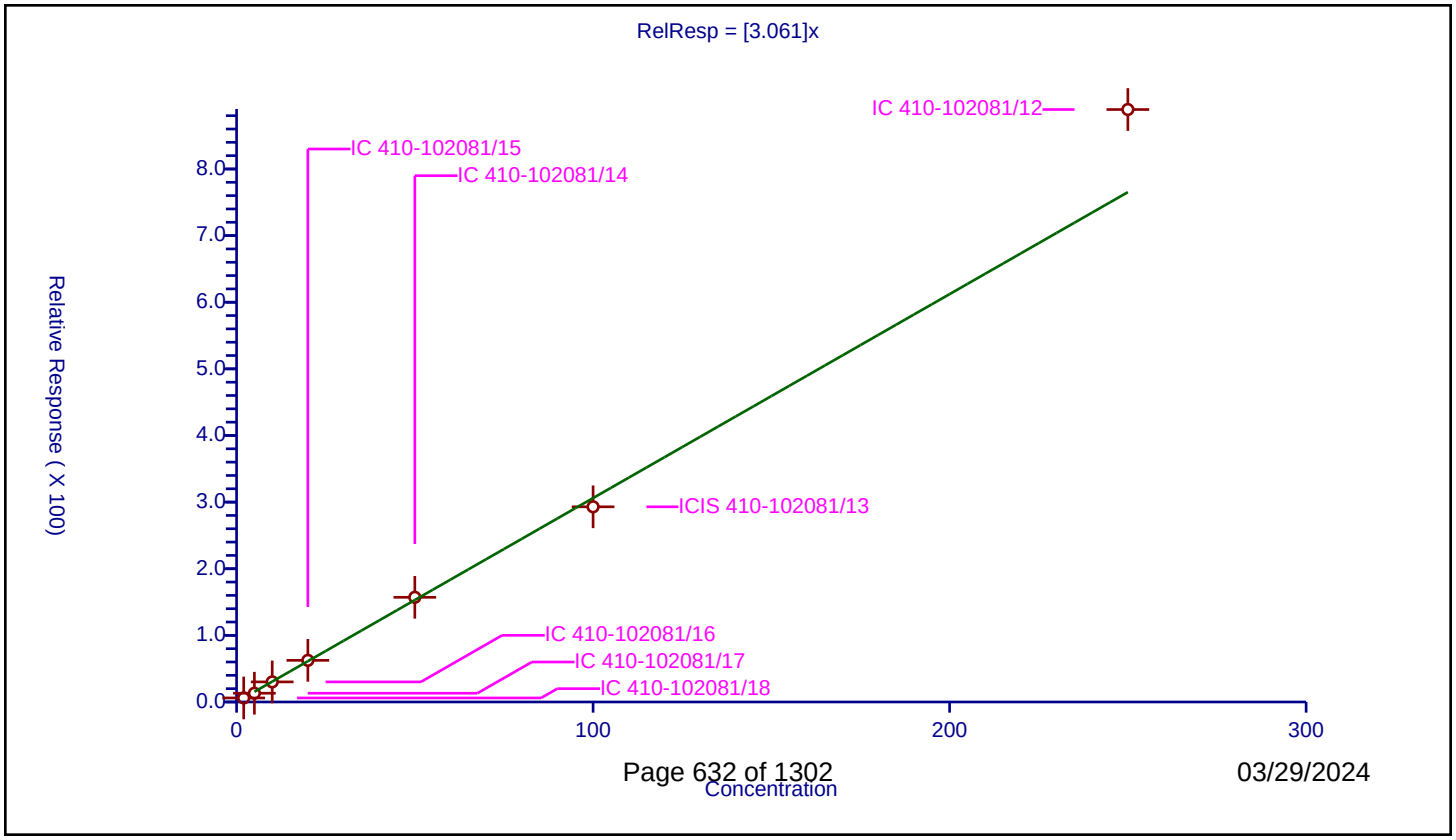
Curve Coefficients

Intercept:	0
Slope:	3.061

Error Coefficients

Standard Error:	1250000
Relative Standard Error:	9.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	2.0	6.045417	50.0	174165.0	3.022708	Y
2	IC 410-102081/17	5.0	13.166693	50.0	171087.0	2.633339	Y
3	IC 410-102081/16	10.0	30.167871	50.0	165663.0	3.016787	Y
4	IC 410-102081/15	20.0	62.485263	50.0	173036.0	3.124263	Y
5	IC 410-102081/14	50.0	157.108534	50.0	171477.0	3.142171	Y
6	ICIS 410-102081/13	100.0	292.956568	50.0	195338.0	2.929566	Y
7	IC 410-102081/12	250.0	889.243142	50.0	155617.0	3.556973	Y



Calibration / 1-Bromo-2-chloroethane

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

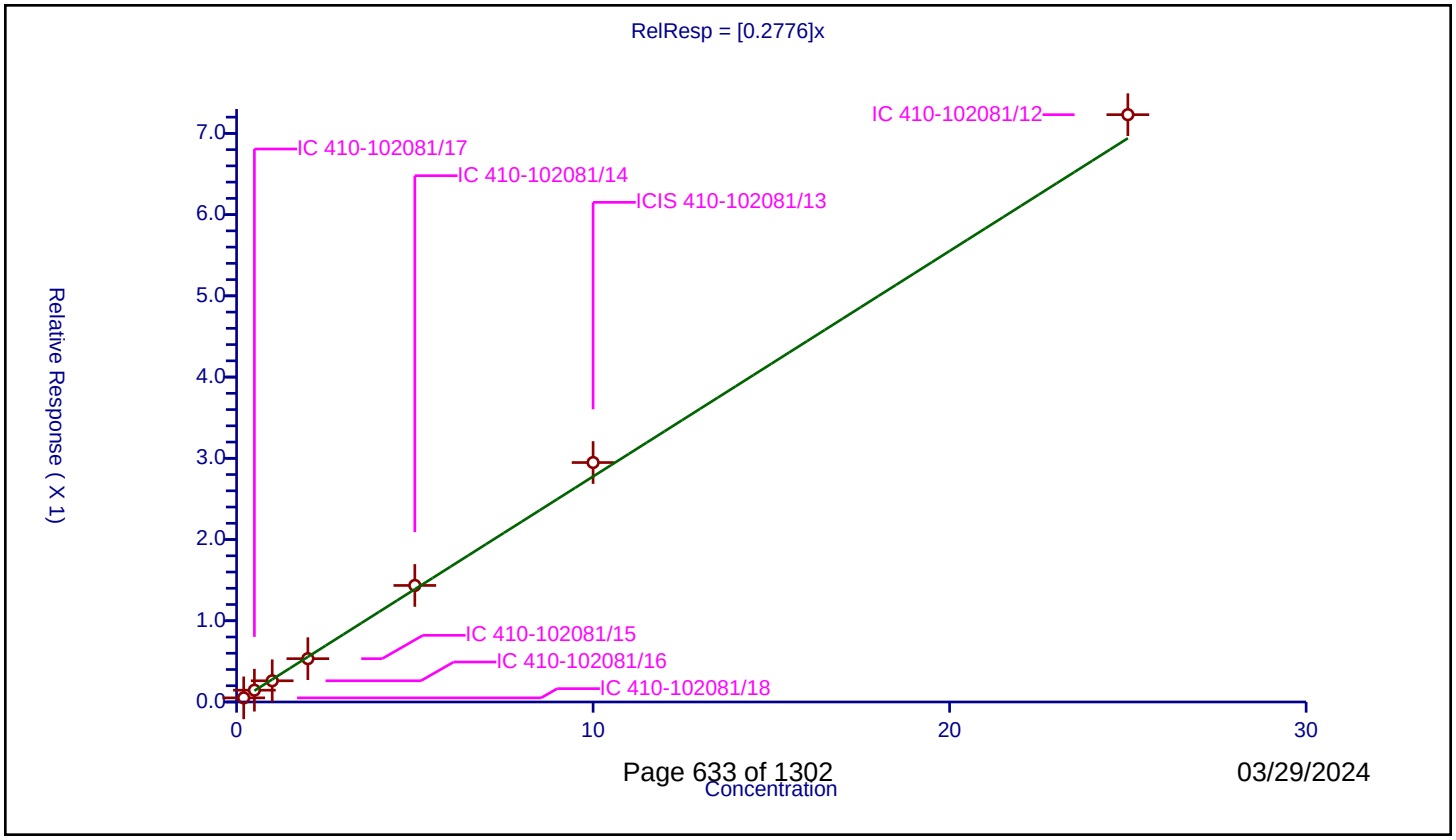
Curve Coefficients

Intercept:	0
Slope:	0.2776

Error Coefficients

Standard Error:	731000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.050736	10.0	2149149.0	0.253682	Y
2	IC 410-102081/17	0.5	0.145406	10.0	2186974.0	0.290813	Y
3	IC 410-102081/16	1.0	0.261069	10.0	2195473.0	0.261069	Y
4	IC 410-102081/15	2.0	0.533438	10.0	2201773.0	0.266719	Y
5	IC 410-102081/14	5.0	1.43474	10.0	2225895.0	0.286948	Y
6	ICIS 410-102081/13	10.0	2.947966	10.0	2227977.0	0.294797	Y
7	IC 410-102081/12	25.0	7.230455	10.0	2252002.0	0.289218	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

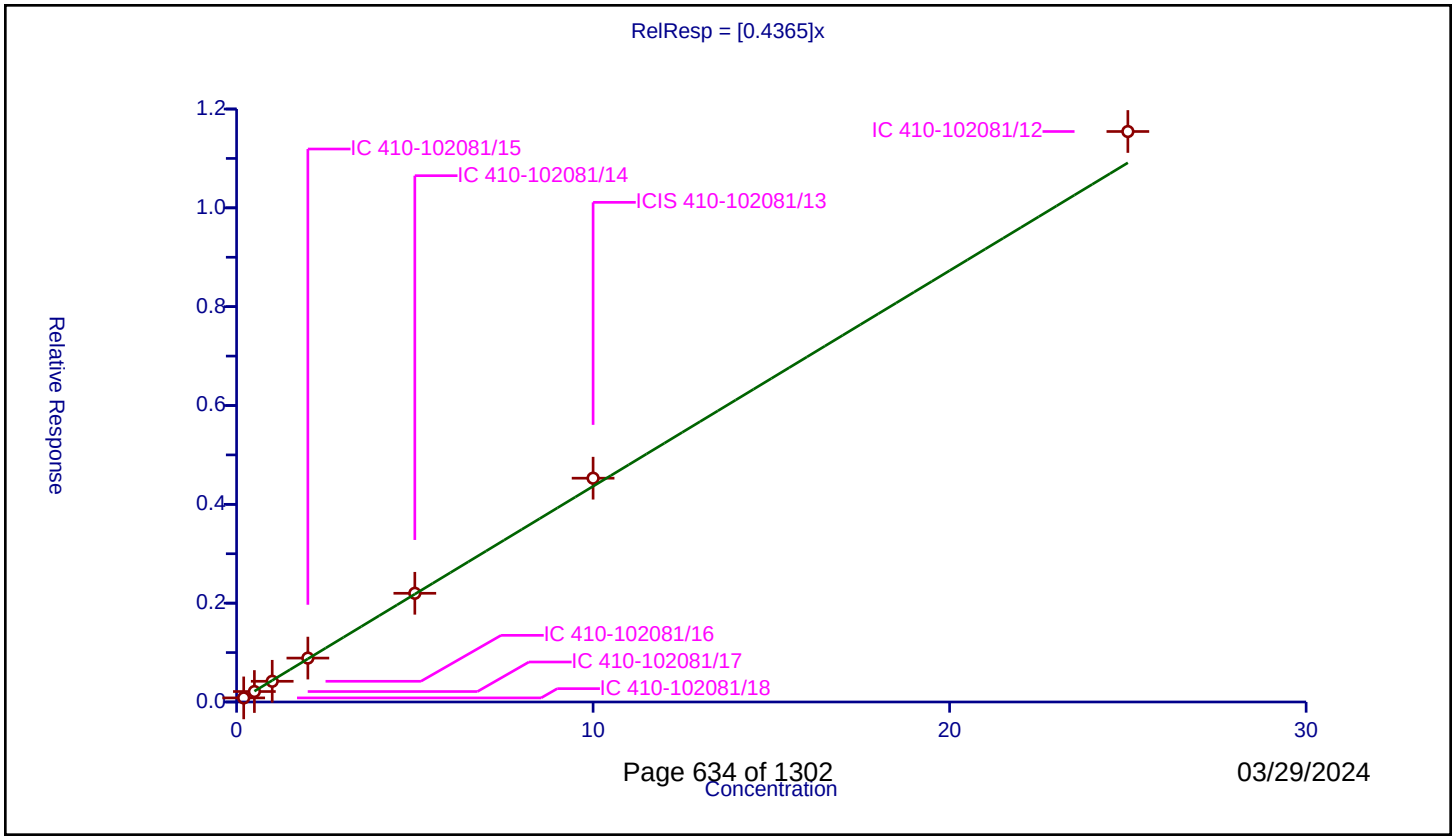
Curve Coefficients

Intercept:	0
Slope:	0.4365

Error Coefficients

Standard Error:	1160000
Relative Standard Error:	4.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.082763	10.0	2149149.0	0.413815	Y
2	IC 410-102081/17	0.5	0.211928	10.0	2186974.0	0.423855	Y
3	IC 410-102081/16	1.0	0.418789	10.0	2195473.0	0.418789	Y
4	IC 410-102081/15	2.0	0.888425	10.0	2201773.0	0.444212	Y
5	IC 410-102081/14	5.0	2.199785	10.0	2225895.0	0.439957	Y
6	ICIS 410-102081/13	10.0	4.529185	10.0	2227977.0	0.452918	Y
7	IC 410-102081/12	25.0	11.544799	10.0	2252002.0	0.461792	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

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

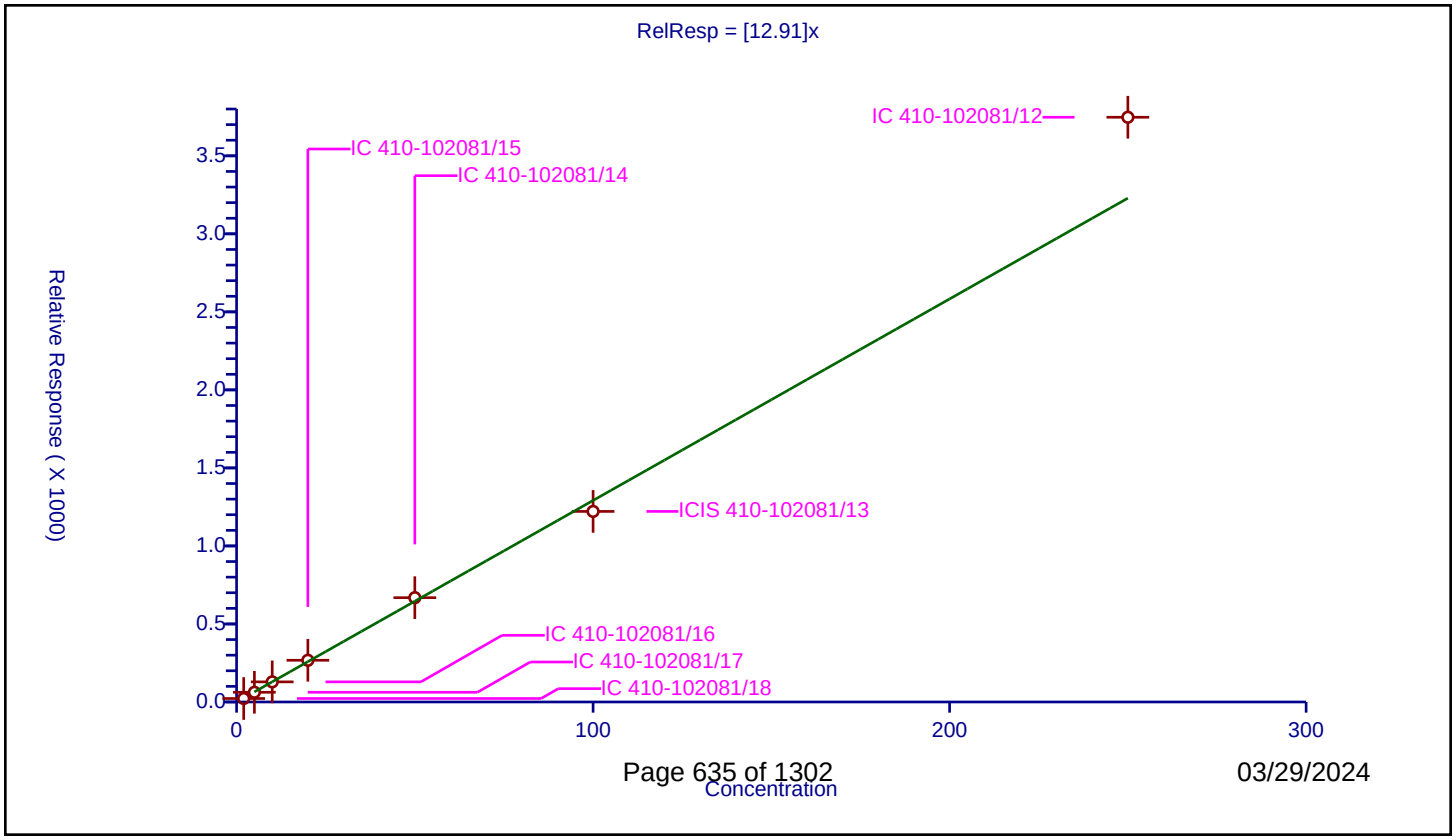
Curve Coefficients

Intercept:	0
Slope:	12.91

Error Coefficients

Standard Error:	5240000
Relative Standard Error:	9.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	2.0	22.2516	50.0	174165.0	11.1258	Y
2	IC 410-102081/17	5.0	62.245816	50.0	171087.0	12.449163	Y
3	IC 410-102081/16	10.0	128.896615	50.0	165663.0	12.889662	Y
4	IC 410-102081/15	20.0	267.34928	50.0	173036.0	13.367464	Y
5	IC 410-102081/14	50.0	668.358147	50.0	171477.0	13.367163	Y
6	ICIS 410-102081/13	100.0	1221.320736	50.0	195338.0	12.213207	Y
7	IC 410-102081/12	250.0	3747.132383	50.0	155617.0	14.98853	Y



Calibration / Toluene-d8 (Surr)

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

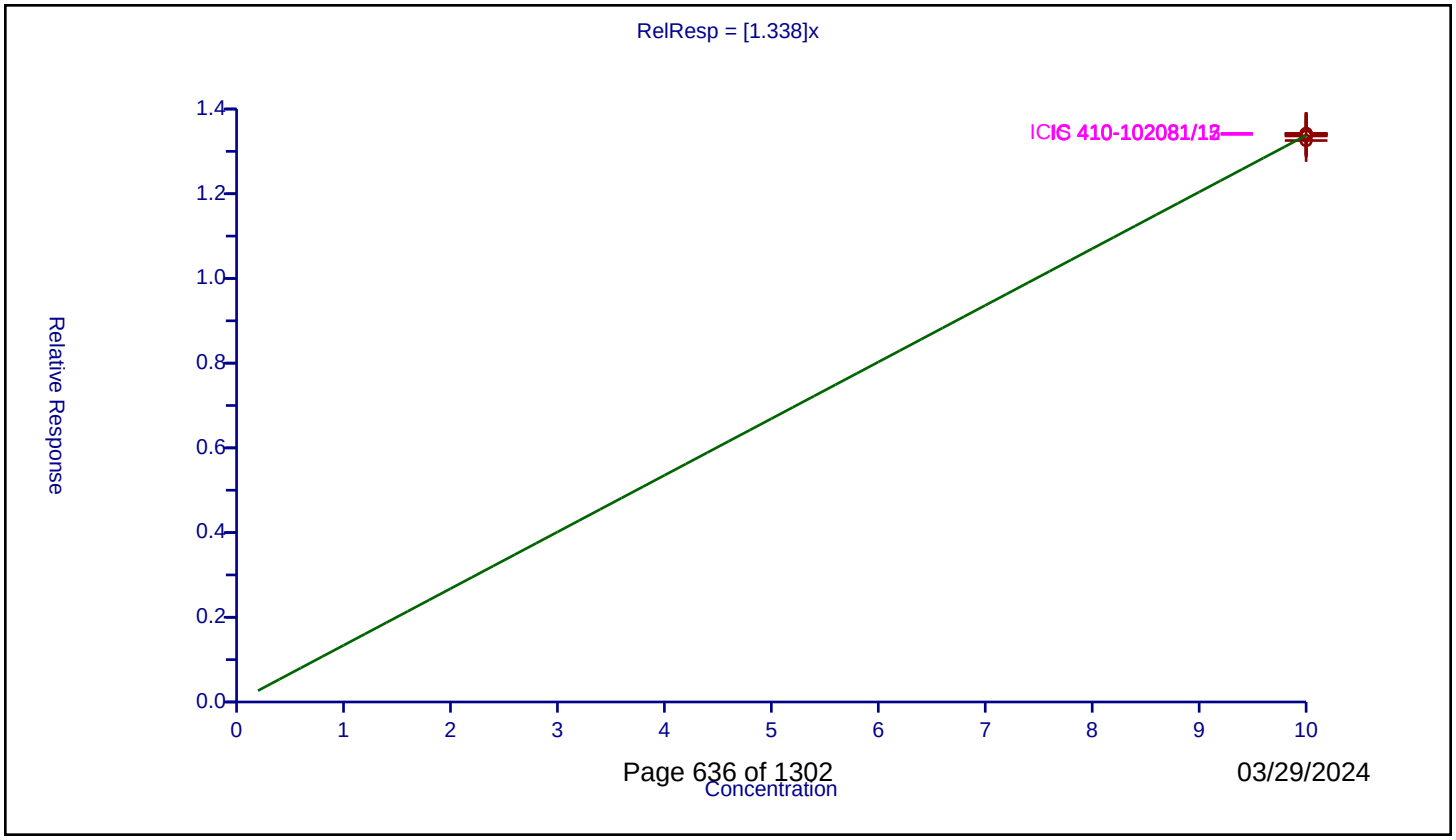
Curve Coefficients

Intercept:	0
Slope:	1.338

Error Coefficients

Standard Error:	2350000
Relative Standard Error:	0.4
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/12	10.0	13.415011	10.0	1650800.0	1.341501	Y
2	ICIS 410-102081/13	10.0	13.42376	10.0	1638044.0	1.342376	Y
3	IC 410-102081/14	10.0	13.371223	10.0	1639832.0	1.337122	Y
4	IC 410-102081/15	10.0	13.406207	10.0	1624493.0	1.340621	Y
5	IC 410-102081/16	10.0	13.256045	10.0	1619173.0	1.325604	Y
6	IC 410-102081/17	10.0	13.407224	10.0	1612013.0	1.340722	Y
7	IC 410-102081/18	10.0	13.363332	10.0	1589174.0	1.336333	Y



Calibration / Toluene

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

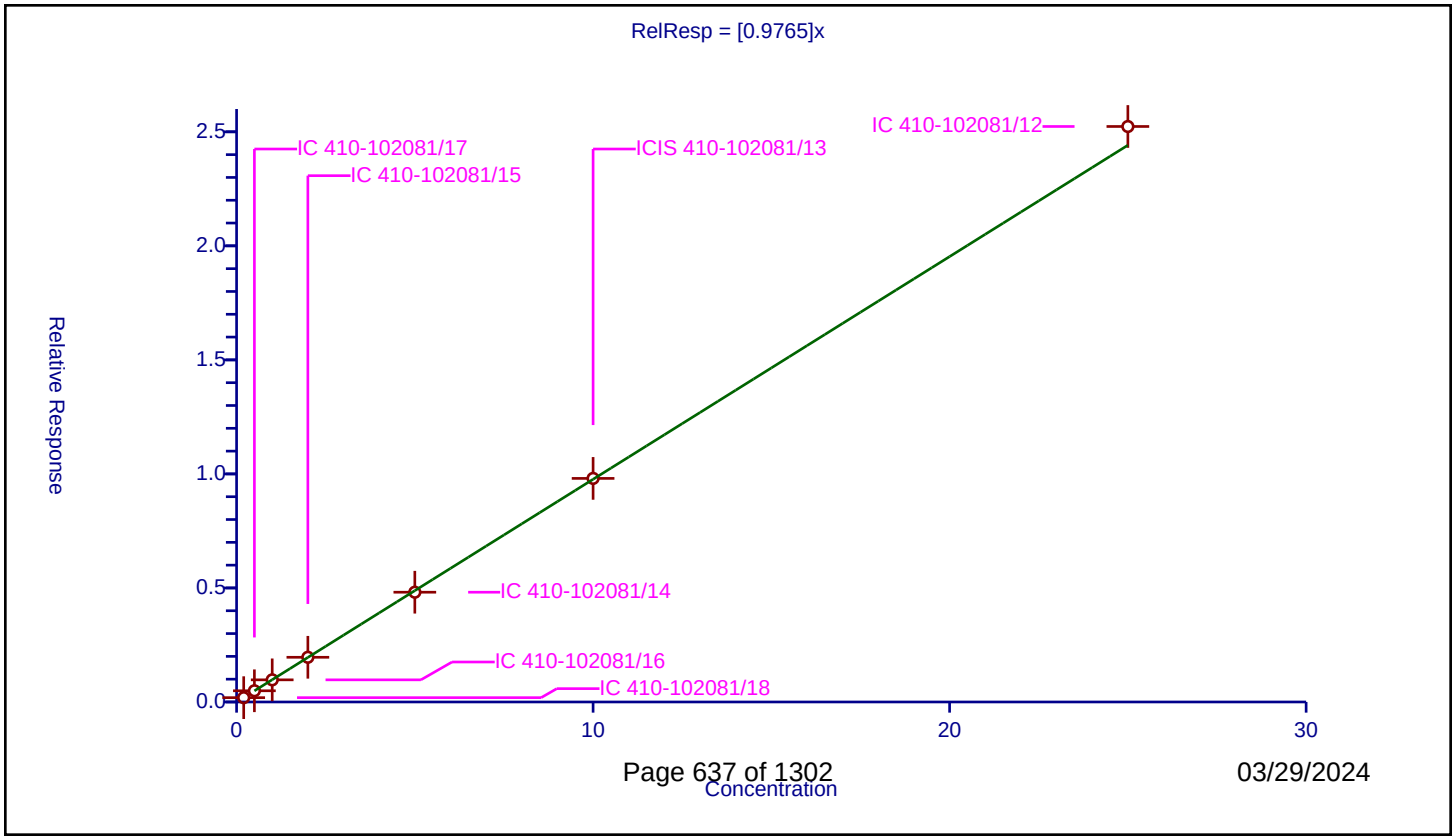
Curve Coefficients

Intercept:	0
Slope:	0.9765

Error Coefficients

Standard Error:	1860000
Relative Standard Error:	2.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.189658	10.0	1589174.0	0.948291	Y
2	IC 410-102081/17	0.5	0.491851	10.0	1612013.0	0.983702	Y
3	IC 410-102081/16	1.0	0.970798	10.0	1619173.0	0.970798	Y
4	IC 410-102081/15	2.0	1.960464	10.0	1624493.0	0.980232	Y
5	IC 410-102081/14	5.0	4.813487	10.0	1639832.0	0.962697	Y
6	ICIS 410-102081/13	10.0	9.803992	10.0	1638044.0	0.980399	Y
7	IC 410-102081/12	25.0	25.233553	10.0	1650800.0	1.009342	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

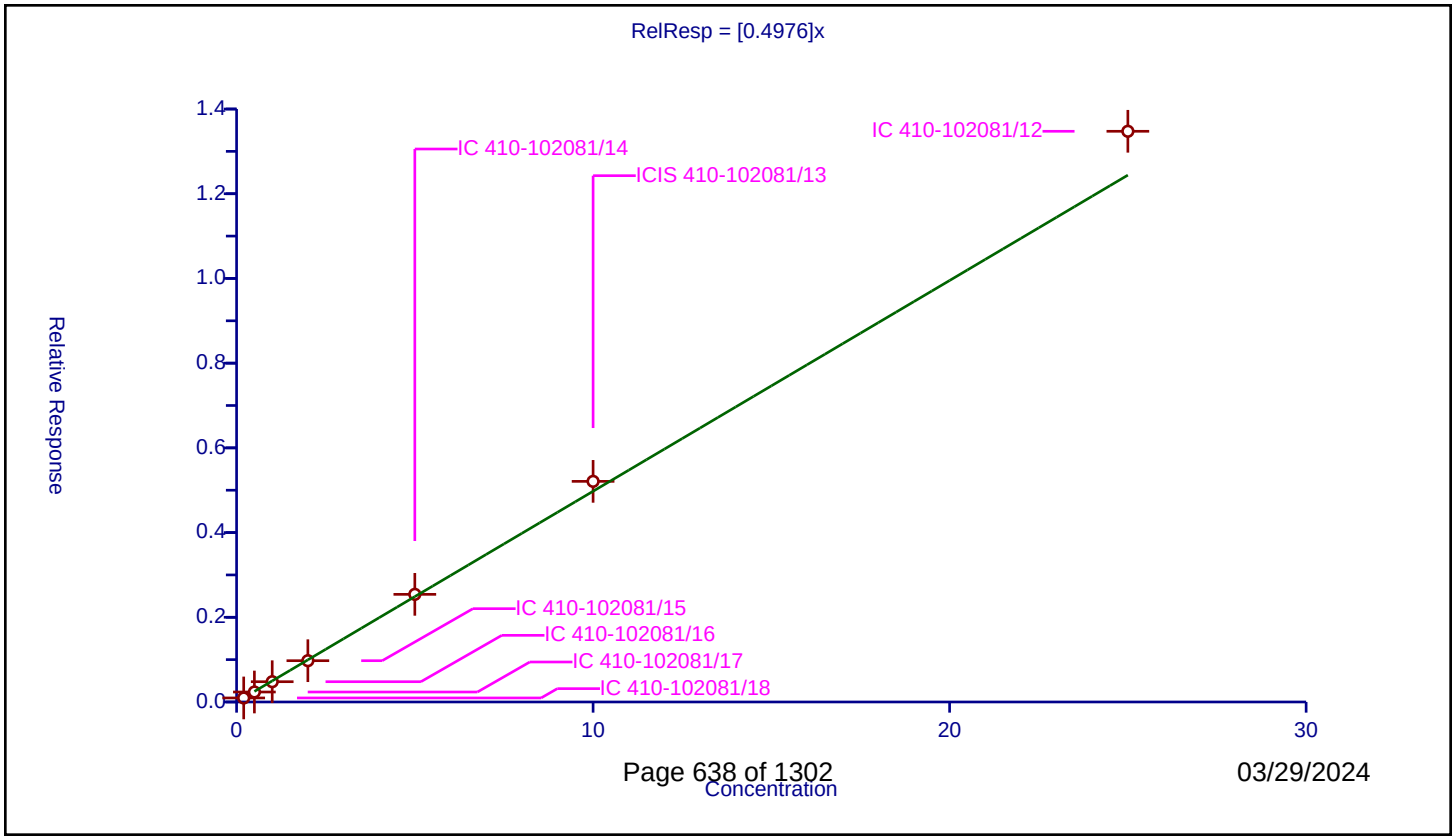
Curve Coefficients

Intercept:	0
Slope:	0.4976

Error Coefficients

Standard Error:	990000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.095546	10.0	1589174.0	0.477732	Y
2	IC 410-102081/17	0.5	0.235612	10.0	1612013.0	0.471224	Y
3	IC 410-102081/16	1.0	0.478516	10.0	1619173.0	0.478516	Y
4	IC 410-102081/15	2.0	0.97463	10.0	1624493.0	0.487315	Y
5	IC 410-102081/14	5.0	2.541449	10.0	1639832.0	0.50829	Y
6	ICIS 410-102081/13	10.0	5.209164	10.0	1638044.0	0.520916	Y
7	IC 410-102081/12	25.0	13.474376	10.0	1650800.0	0.538975	Y



Calibration / Ethyl methacrylate

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

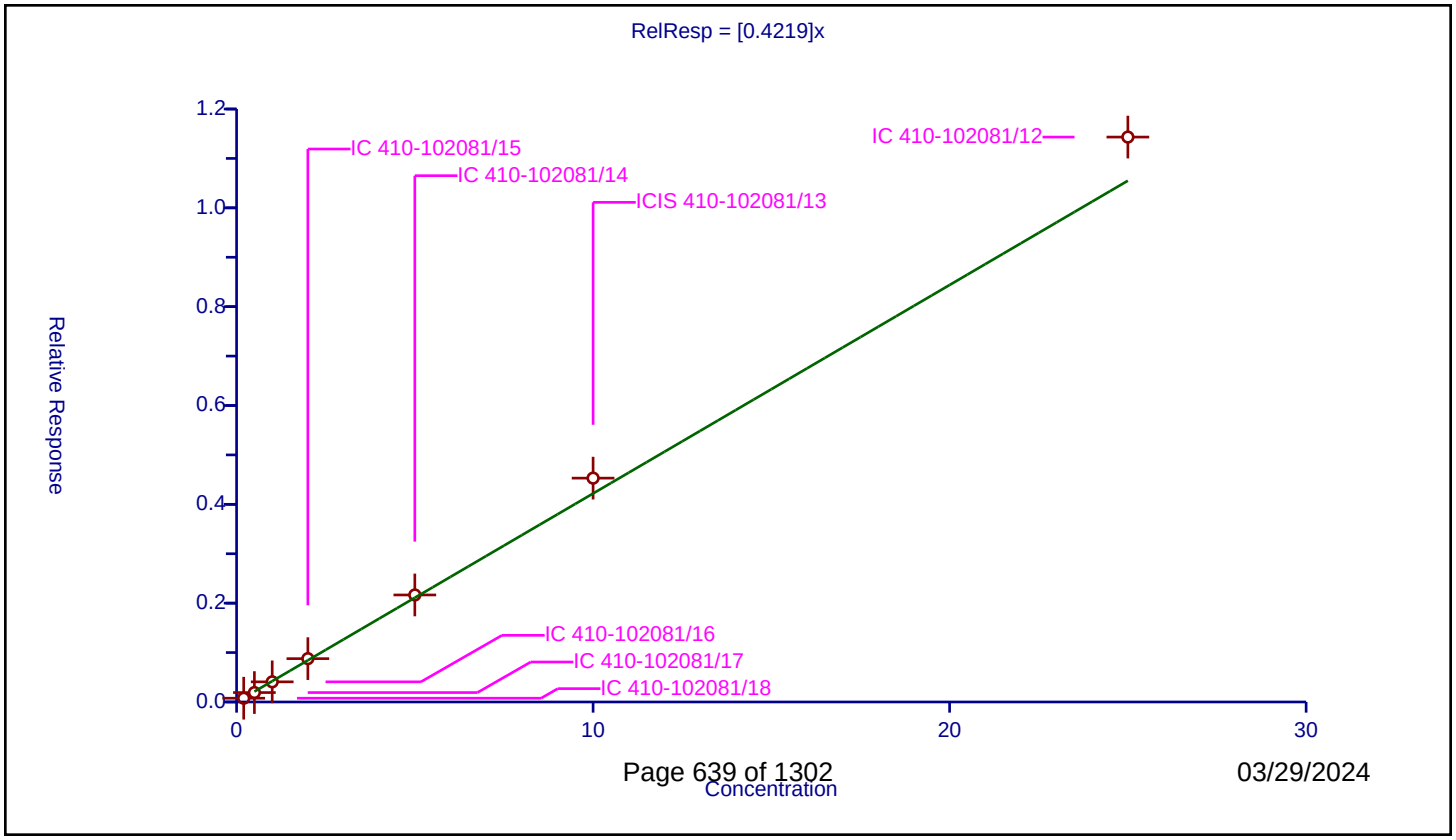
Curve Coefficients

Intercept:	0
Slope:	0.4219

Error Coefficients

Standard Error:	843000
Relative Standard Error:	7.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.076323	10.0	1589174.0	0.381613	Y
2	IC 410-102081/17	0.5	0.190979	10.0	1612013.0	0.381957	Y
3	IC 410-102081/16	1.0	0.40785	10.0	1619173.0	0.40785	Y
4	IC 410-102081/15	2.0	0.877363	10.0	1624493.0	0.438681	Y
5	IC 410-102081/14	5.0	2.165935	10.0	1639832.0	0.433187	Y
6	ICIS 410-102081/13	10.0	4.530318	10.0	1638044.0	0.453032	Y
7	IC 410-102081/12	25.0	11.43253	10.0	1650800.0	0.457301	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

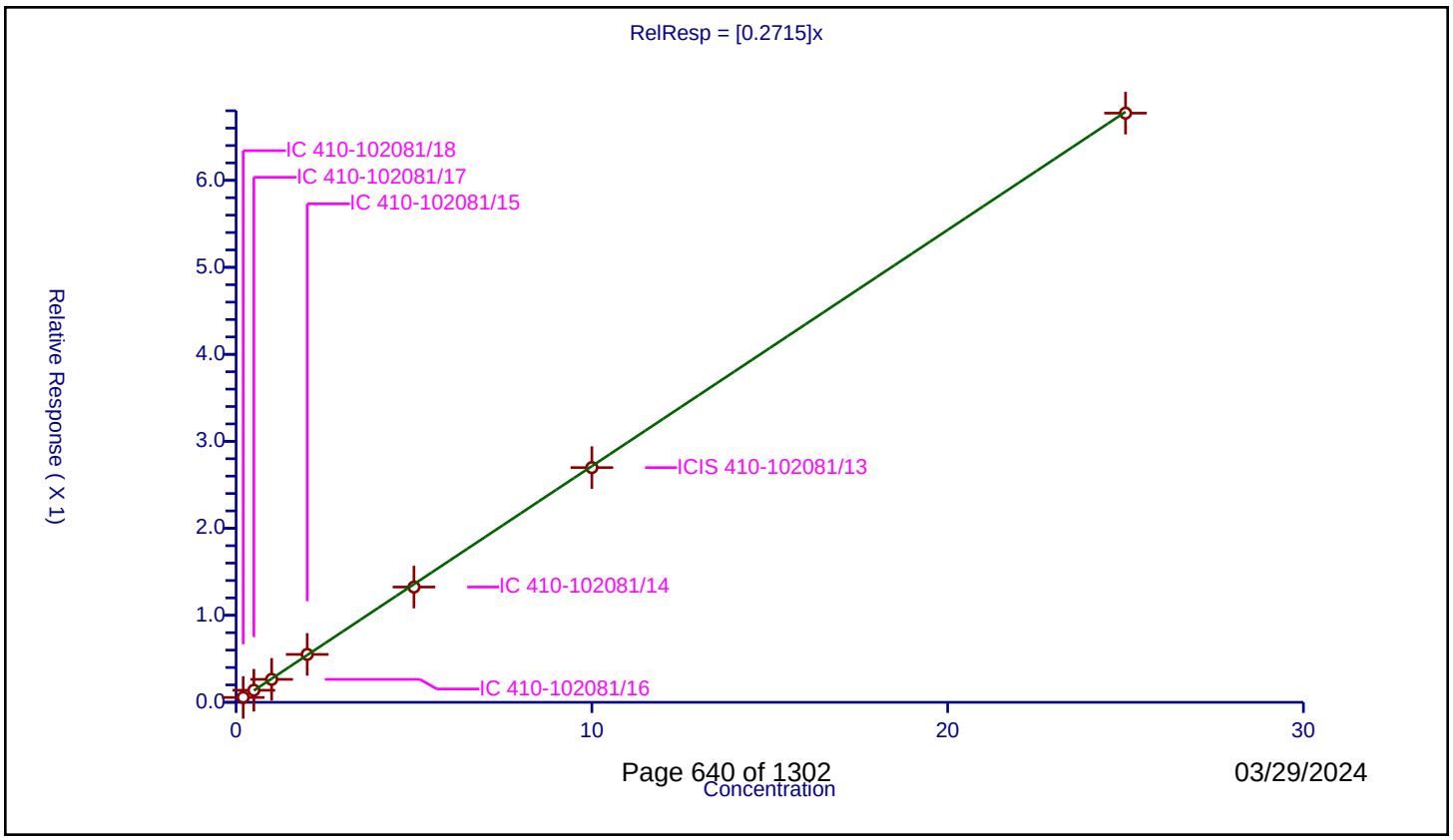
Curve Coefficients

Intercept:	0
Slope:	0.2715

Error Coefficients

Standard Error:	500000
Relative Standard Error:	2.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.055765	10.0	1589174.0	0.278824	Y
2	IC 410-102081/17	0.5	0.138535	10.0	1612013.0	0.27707	Y
3	IC 410-102081/16	1.0	0.263641	10.0	1619173.0	0.263641	Y
4	IC 410-102081/15	2.0	0.550449	10.0	1624493.0	0.275224	Y
5	IC 410-102081/14	5.0	1.324867	10.0	1639832.0	0.264973	Y
6	ICIS 410-102081/13	10.0	2.697809	10.0	1638044.0	0.269781	Y
7	IC 410-102081/12	25.0	6.772329	10.0	1650800.0	0.270893	Y



Calibration / Tetrachloroethene

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

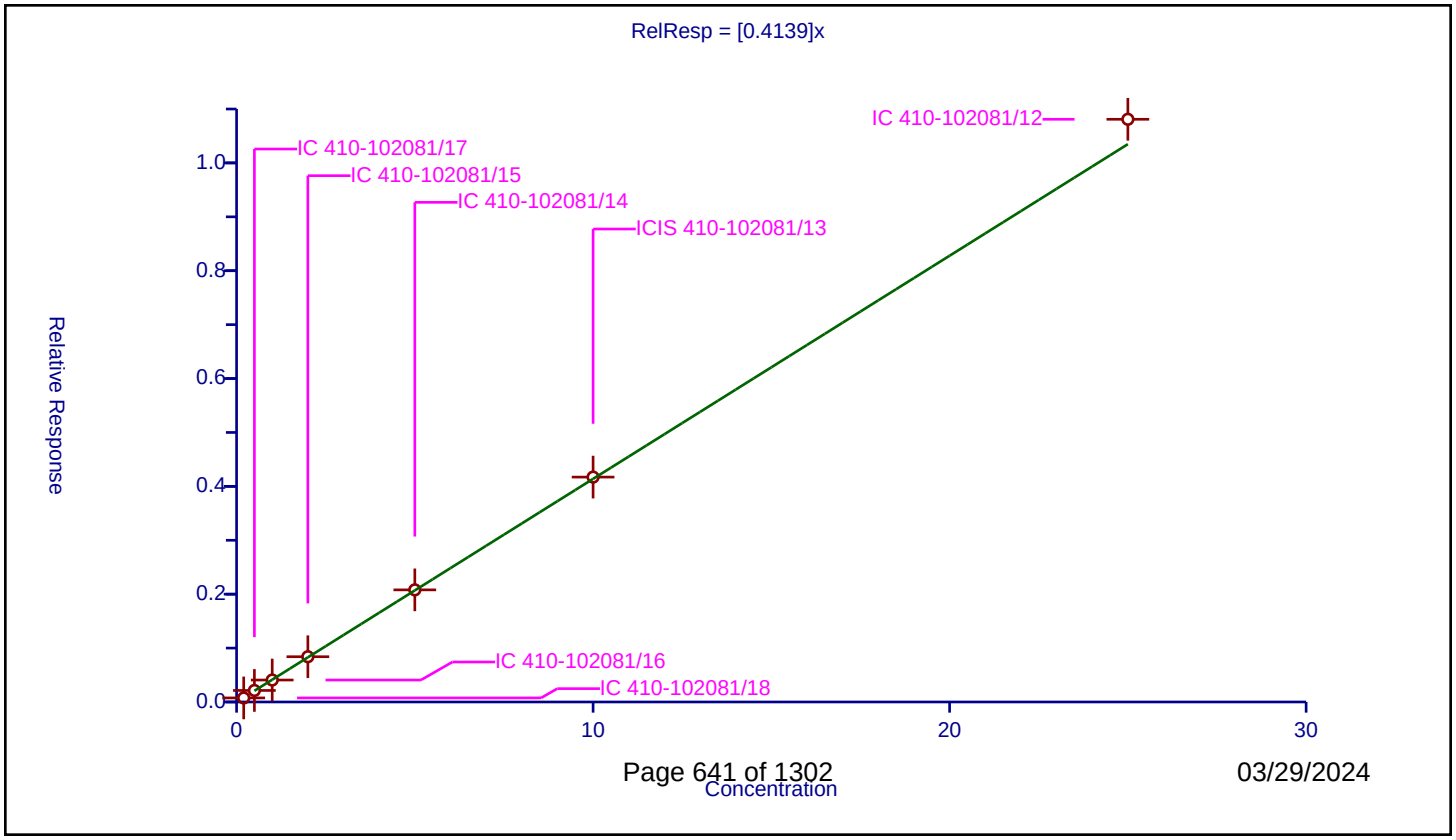
Curve Coefficients

Intercept:	0
Slope:	0.4139

Error Coefficients

Standard Error:	795000
Relative Standard Error:	4.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.075385	10.0	1589174.0	0.376925	Y
2	IC 410-102081/17	0.5	0.213931	10.0	1612013.0	0.427863	Y
3	IC 410-102081/16	1.0	0.407301	10.0	1619173.0	0.407301	Y
4	IC 410-102081/15	2.0	0.839487	10.0	1624493.0	0.419743	Y
5	IC 410-102081/14	5.0	2.079963	10.0	1639832.0	0.415993	Y
6	ICIS 410-102081/13	10.0	4.171817	10.0	1638044.0	0.417182	Y
7	IC 410-102081/12	25.0	10.809523	10.0	1650800.0	0.432381	Y



Calibration / 1,3-Dichloropropane

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

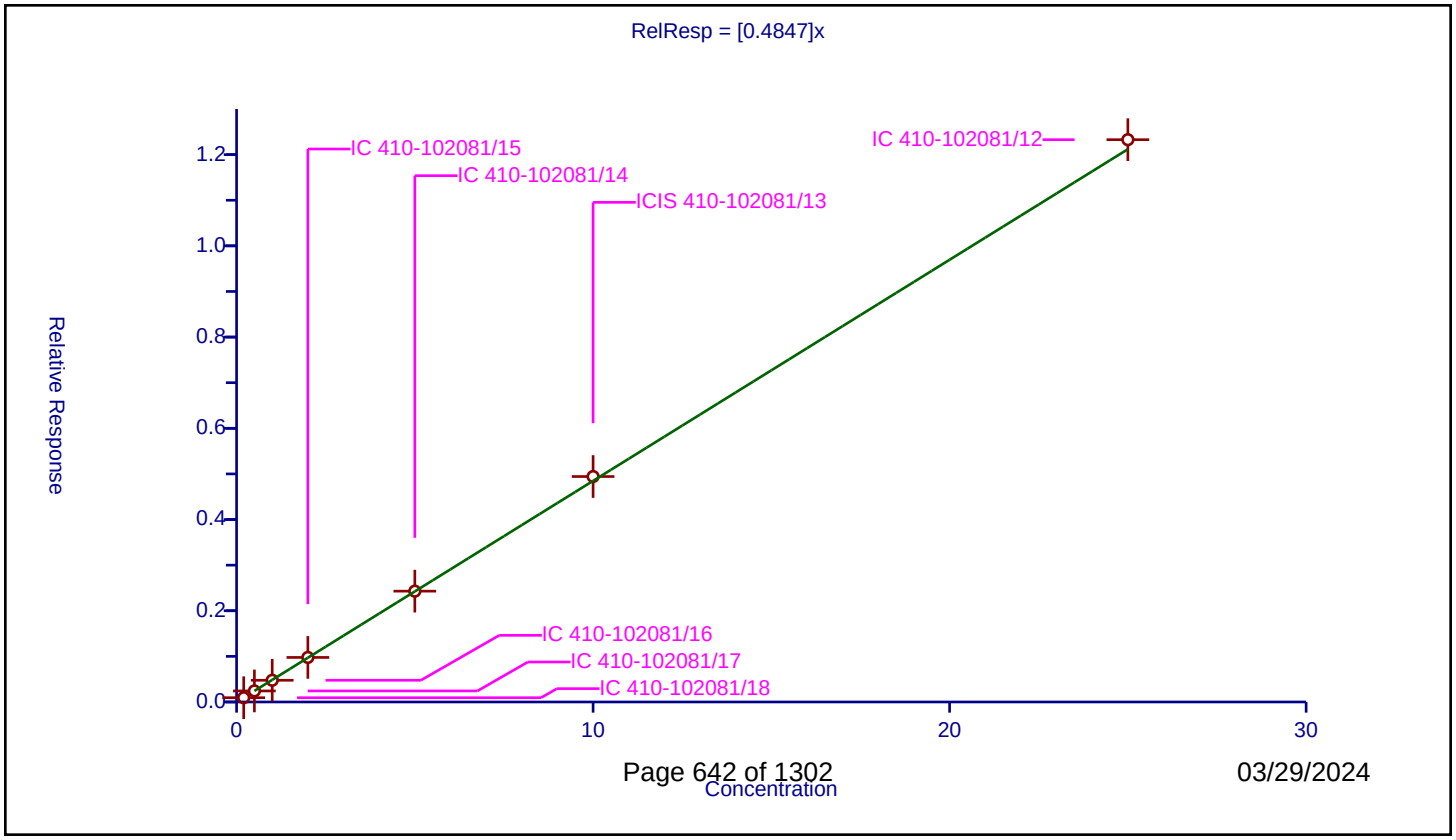
Curve Coefficients

Intercept:	0
Slope:	0.4847

Error Coefficients

Standard Error:	912000
Relative Standard Error:	1.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.094087	10.0	1589174.0	0.470433	Y
2	IC 410-102081/17	0.5	0.242331	10.0	1612013.0	0.484661	Y
3	IC 410-102081/16	1.0	0.476367	10.0	1619173.0	0.476367	Y
4	IC 410-102081/15	2.0	0.976736	10.0	1624493.0	0.488368	Y
5	IC 410-102081/14	5.0	2.42984	10.0	1639832.0	0.485968	Y
6	ICIS 410-102081/13	10.0	4.942798	10.0	1638044.0	0.49428	Y
7	IC 410-102081/12	25.0	12.327962	10.0	1650800.0	0.493118	Y



Calibration / 2-Hexanone

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

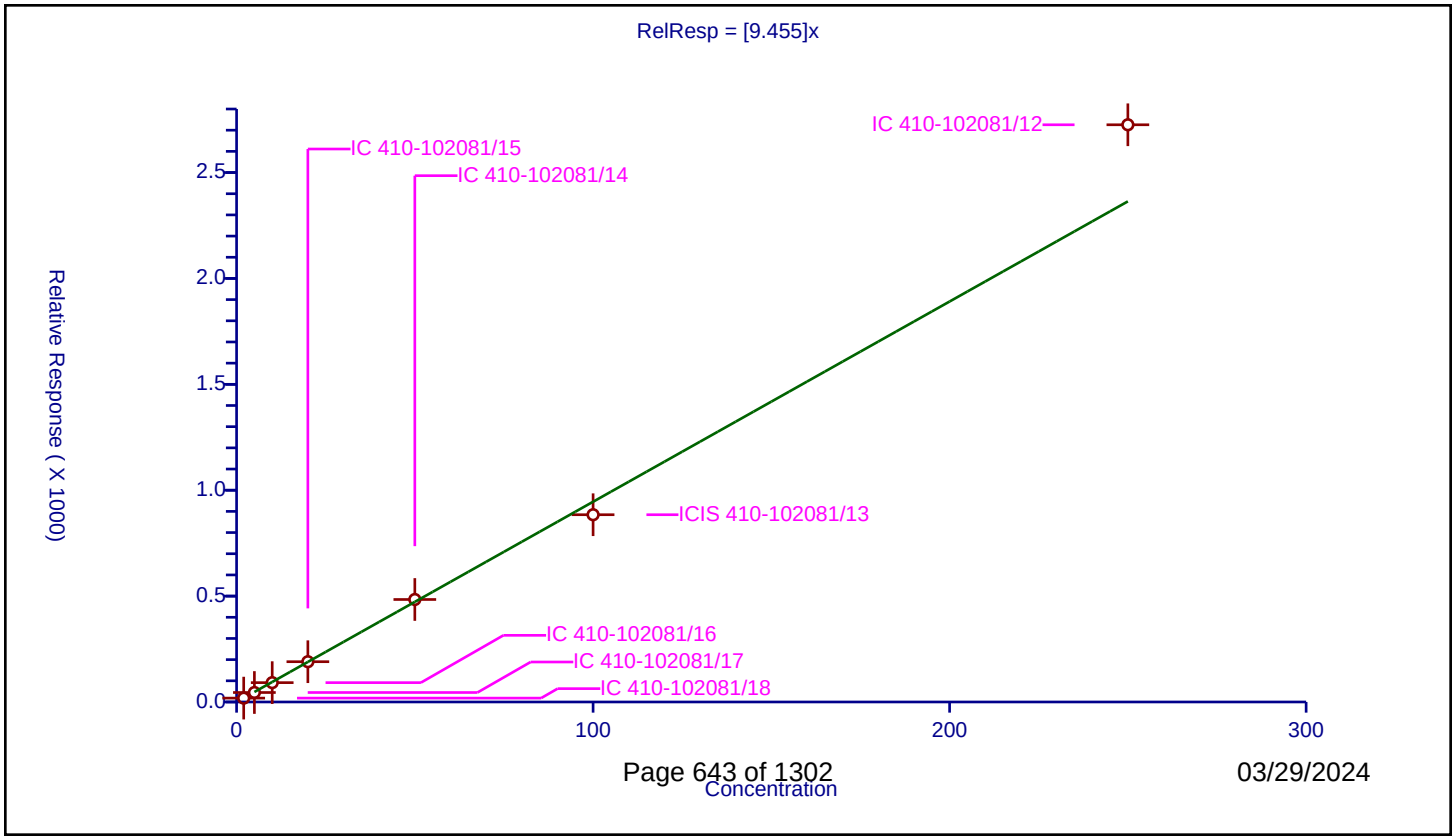
Curve Coefficients

Intercept:	0
Slope:	9.455

Error Coefficients

Standard Error:	3810000
Relative Standard Error:	7.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	2.0	18.315678	50.0	174165.0	9.157839	Y
2	IC 410-102081/17	5.0	44.801768	50.0	171087.0	8.960354	Y
3	IC 410-102081/16	10.0	91.32516	50.0	165663.0	9.132516	Y
4	IC 410-102081/15	20.0	190.205795	50.0	173036.0	9.51029	Y
5	IC 410-102081/14	50.0	483.991148	50.0	171477.0	9.679823	Y
6	ICIS 410-102081/13	100.0	884.245769	50.0	195338.0	8.842458	Y
7	IC 410-102081/12	250.0	2725.588785	50.0	155617.0	10.902355	Y



Calibration / Chlorodibromomethane

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

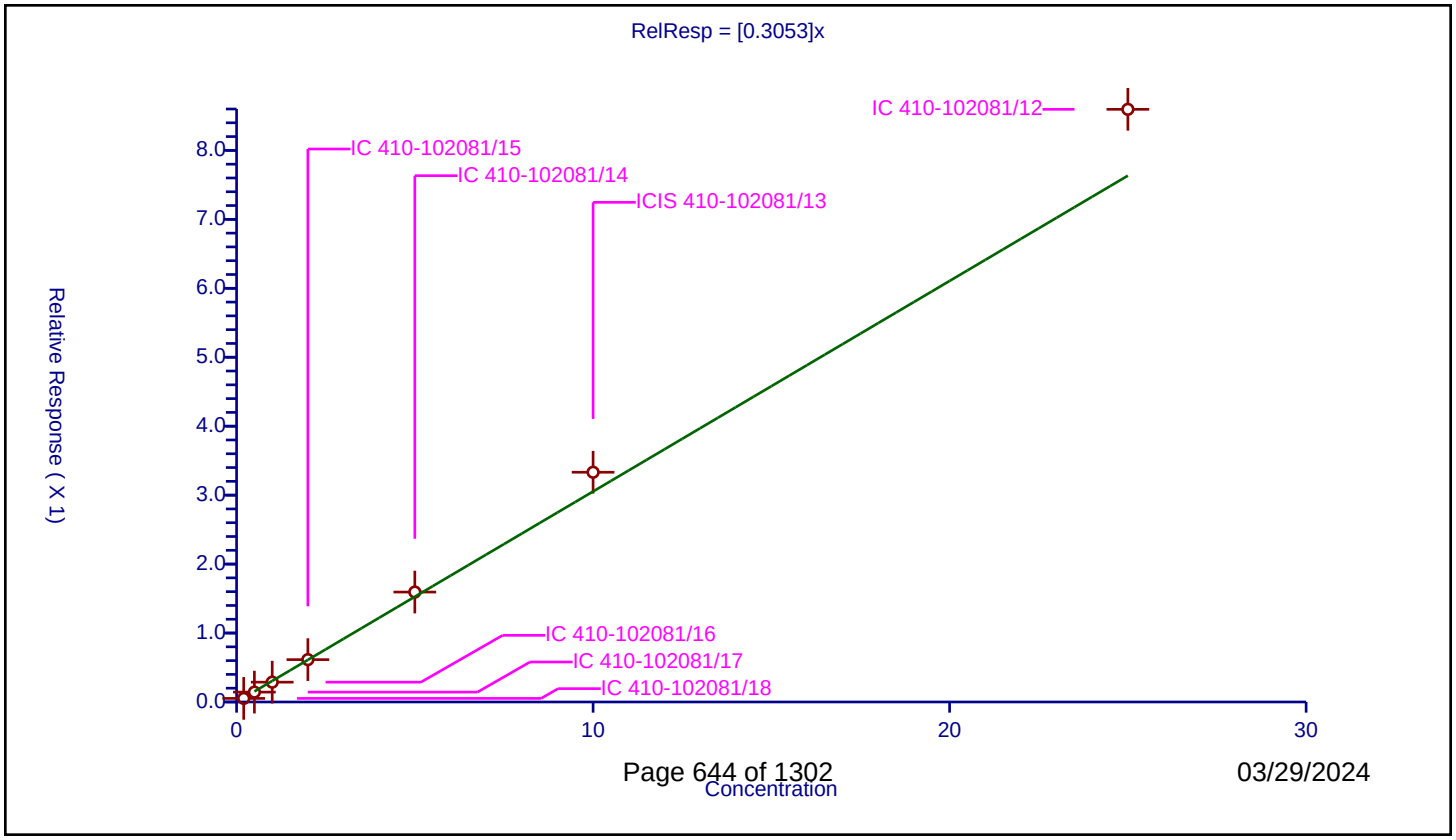
Curve Coefficients

Intercept:	0
Slope:	0.3053

Error Coefficients

Standard Error:	631000
Relative Standard Error:	9.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.052115	10.0	1589174.0	0.260576	Y
2	IC 410-102081/17	0.5	0.143101	10.0	1612013.0	0.286201	Y
3	IC 410-102081/16	1.0	0.287492	10.0	1619173.0	0.287492	Y
4	IC 410-102081/15	2.0	0.614204	10.0	1624493.0	0.307102	Y
5	IC 410-102081/14	5.0	1.594535	10.0	1639832.0	0.318907	Y
6	ICIS 410-102081/13	10.0	3.331889	10.0	1638044.0	0.333189	Y
7	IC 410-102081/12	25.0	8.595487	10.0	1650800.0	0.343819	Y



Calibration / Ethylene Dibromide

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

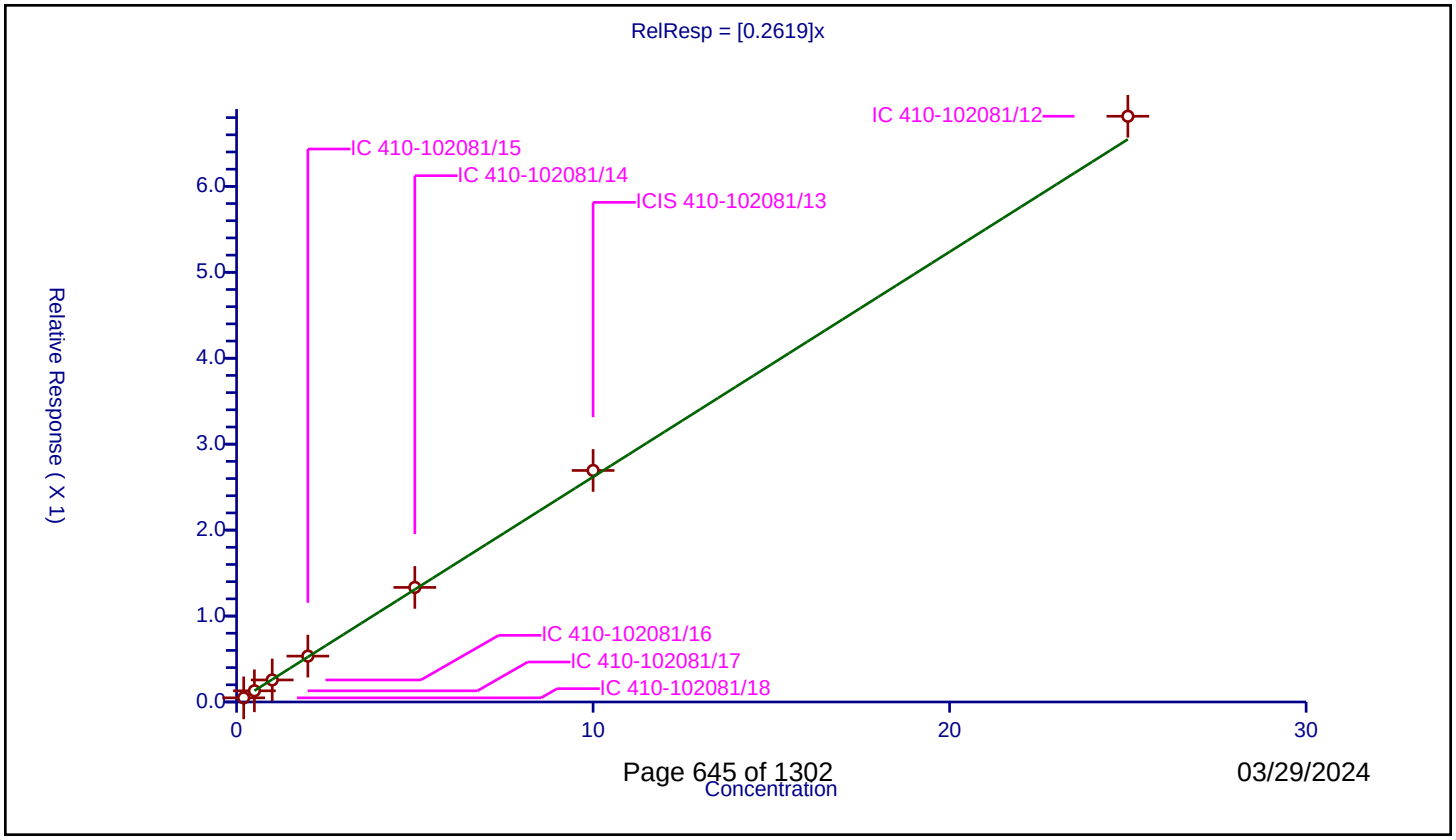
Curve Coefficients

Intercept:	0
Slope:	0.2619

Error Coefficients

Standard Error:	503000
Relative Standard Error:	4.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.04822	10.0	1589174.0	0.2411	Y
2	IC 410-102081/17	0.5	0.13003	10.0	1612013.0	0.26006	Y
3	IC 410-102081/16	1.0	0.256545	10.0	1619173.0	0.256545	Y
4	IC 410-102081/15	2.0	0.533859	10.0	1624493.0	0.266929	Y
5	IC 410-102081/14	5.0	1.333051	10.0	1639832.0	0.26661	Y
6	ICIS 410-102081/13	10.0	2.694287	10.0	1638044.0	0.269429	Y
7	IC 410-102081/12	25.0	6.815871	10.0	1650800.0	0.272635	Y



Calibration / 1-Chlorohexane

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

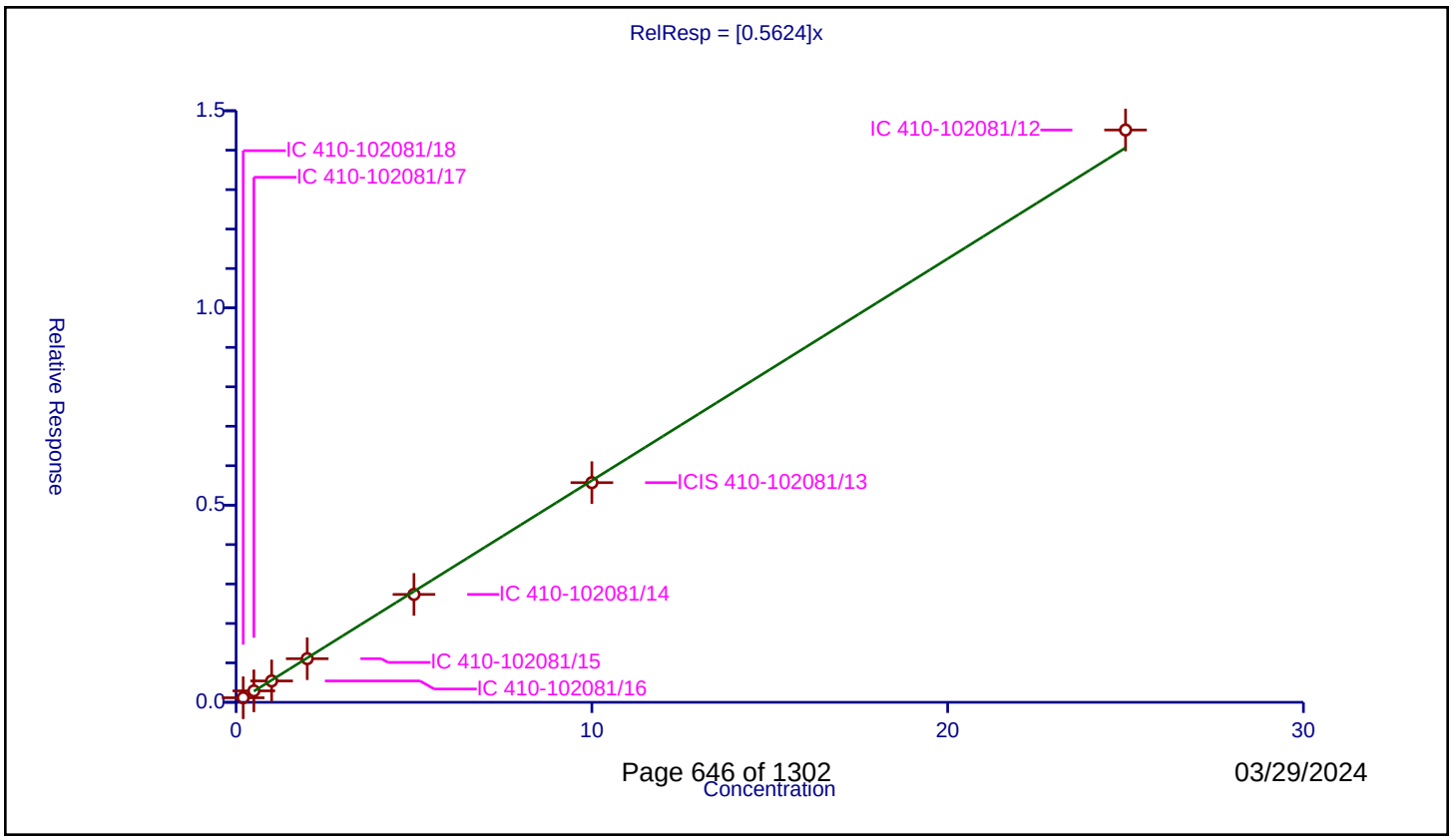
Curve Coefficients

Intercept:	0
Slope:	0.5624

Error Coefficients

Standard Error:	1070000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.115091	10.0	1589174.0	0.575456	Y
2	IC 410-102081/17	0.5	0.290692	10.0	1612013.0	0.581385	Y
3	IC 410-102081/16	1.0	0.542339	10.0	1619173.0	0.542339	Y
4	IC 410-102081/15	2.0	1.106025	10.0	1624493.0	0.553013	Y
5	IC 410-102081/14	5.0	2.735524	10.0	1639832.0	0.547105	Y
6	ICIS 410-102081/13	10.0	5.570198	10.0	1638044.0	0.55702	Y
7	IC 410-102081/12	25.0	14.5122	10.0	1650800.0	0.580488	Y



Calibration / Chlorobenzene

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

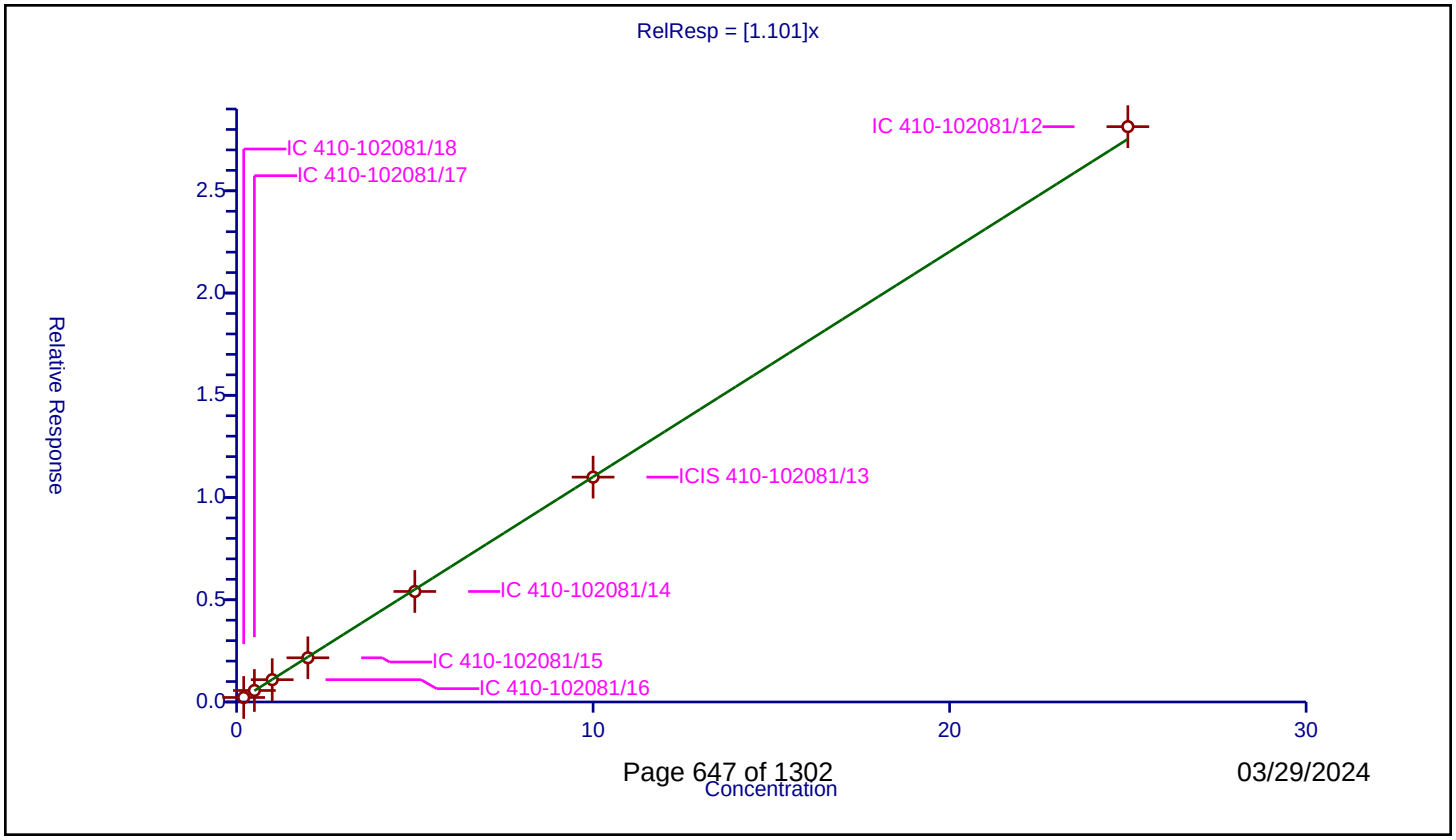
Curve Coefficients

Intercept:	0
Slope:	1.101

Error Coefficients

Standard Error:	2070000
Relative Standard Error:	1.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.220788	10.0	1589174.0	1.103938	Y
2	IC 410-102081/17	0.5	0.563383	10.0	1612013.0	1.126765	Y
3	IC 410-102081/16	1.0	1.090804	10.0	1619173.0	1.090804	Y
4	IC 410-102081/15	2.0	2.161659	10.0	1624493.0	1.08083	Y
5	IC 410-102081/14	5.0	5.40517	10.0	1639832.0	1.081034	Y
6	ICIS 410-102081/13	10.0	10.996683	10.0	1638044.0	1.099668	Y
7	IC 410-102081/12	25.0	28.137727	10.0	1650800.0	1.125509	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

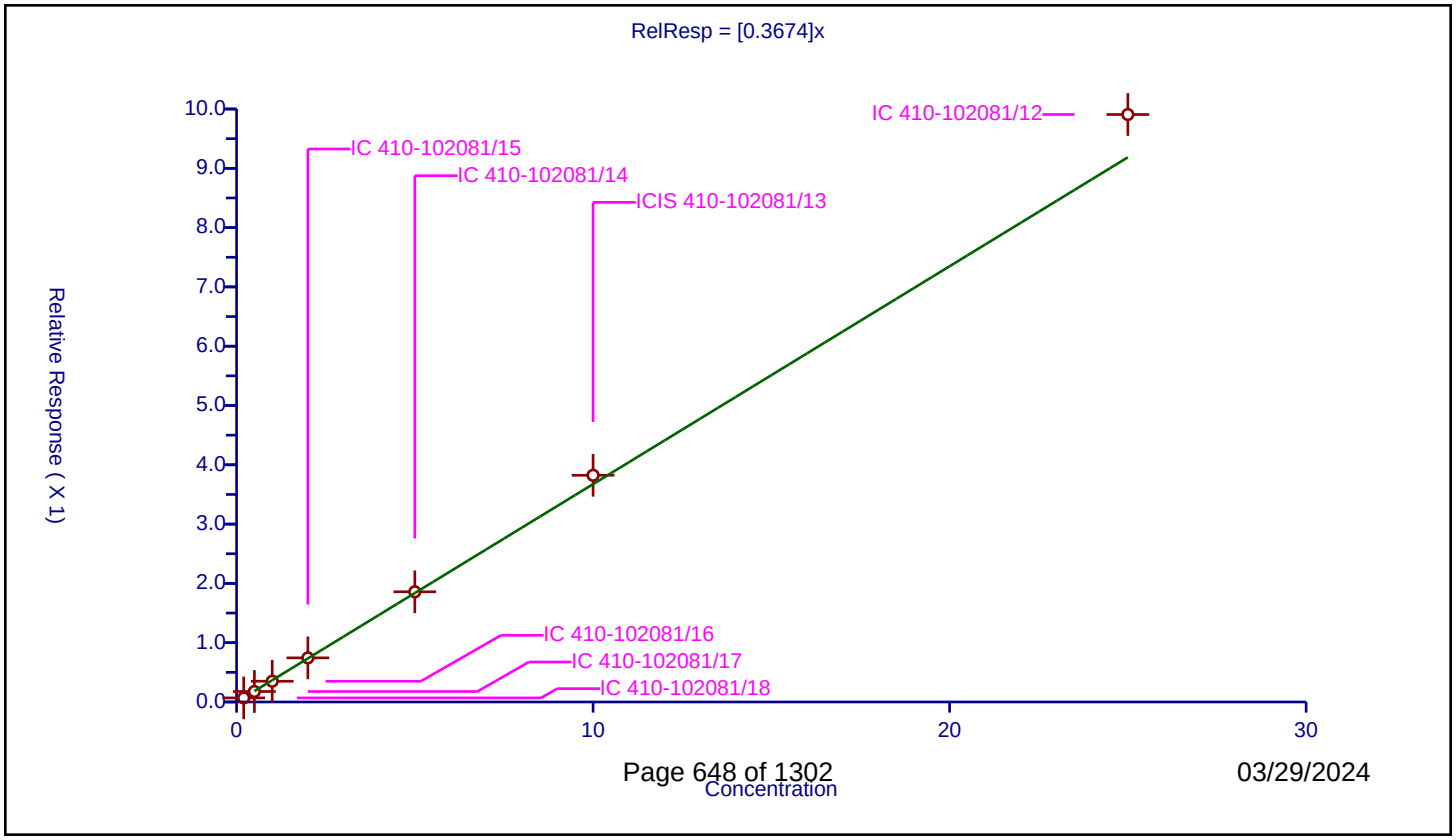
Curve Coefficients

Intercept:	0
Slope:	0.3674

Error Coefficients

Standard Error:	728000
Relative Standard Error:	5.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.069004	10.0	1589174.0	0.345022	Y
2	IC 410-102081/17	0.5	0.177114	10.0	1612013.0	0.354228	Y
3	IC 410-102081/16	1.0	0.350296	10.0	1619173.0	0.350296	Y
4	IC 410-102081/15	2.0	0.744041	10.0	1624493.0	0.372021	Y
5	IC 410-102081/14	5.0	1.858209	10.0	1639832.0	0.371642	Y
6	ICIS 410-102081/13	10.0	3.823389	10.0	1638044.0	0.382339	Y
7	IC 410-102081/12	25.0	9.90736	10.0	1650800.0	0.396294	Y



Calibration / Ethylbenzene

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

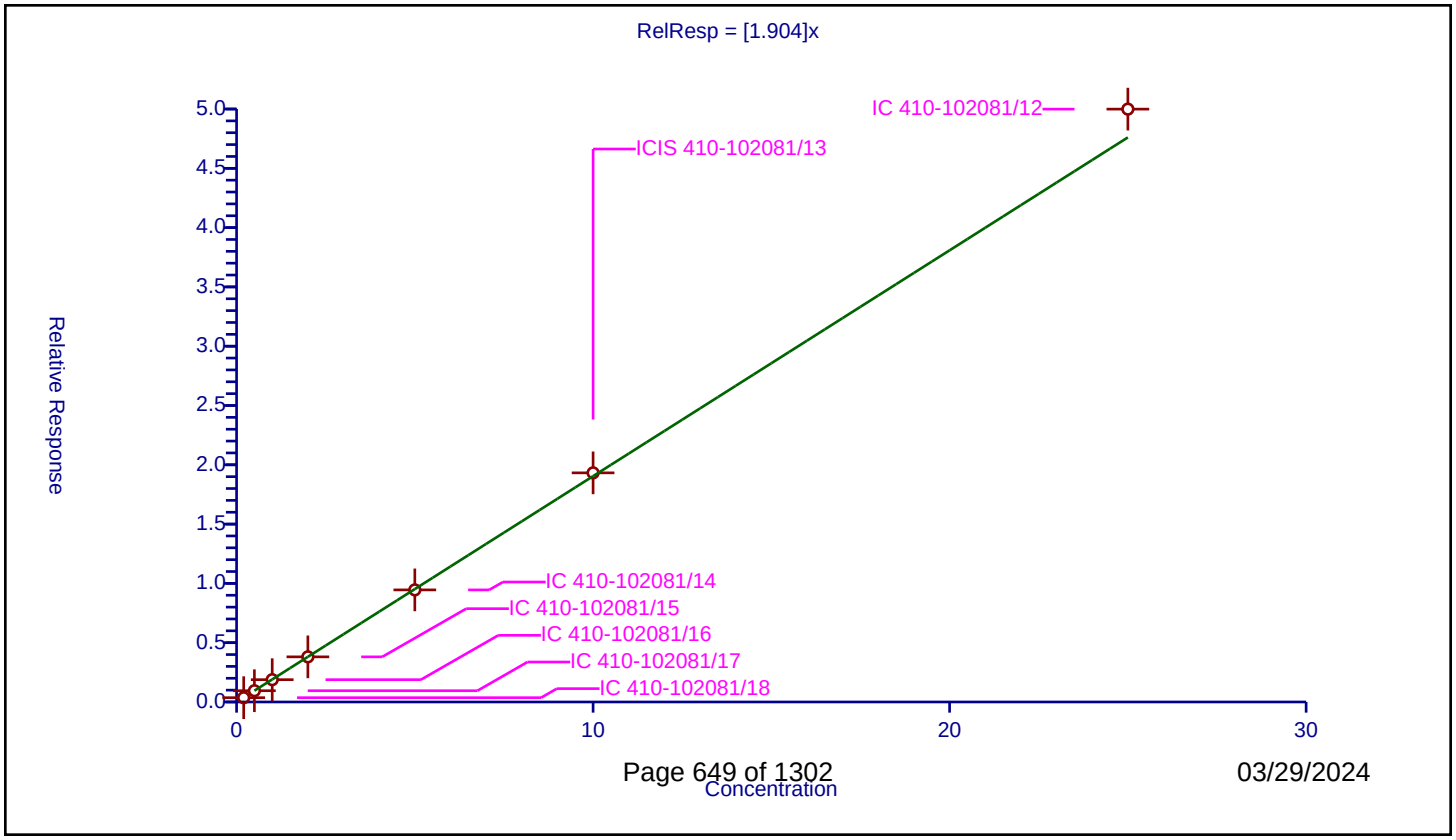
Curve Coefficients

Intercept:	0
Slope:	1.904

Error Coefficients

Standard Error:	3670000
Relative Standard Error:	2.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.364195	10.0	1589174.0	1.820977	Y
2	IC 410-102081/17	0.5	0.950985	10.0	1612013.0	1.90197	Y
3	IC 410-102081/16	1.0	1.881837	10.0	1619173.0	1.881837	Y
4	IC 410-102081/15	2.0	3.806012	10.0	1624493.0	1.903006	Y
5	IC 410-102081/14	5.0	9.451346	10.0	1639832.0	1.890269	Y
6	ICIS 410-102081/13	10.0	19.320146	10.0	1638044.0	1.932015	Y
7	IC 410-102081/12	25.0	49.990417	10.0	1650800.0	1.999617	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

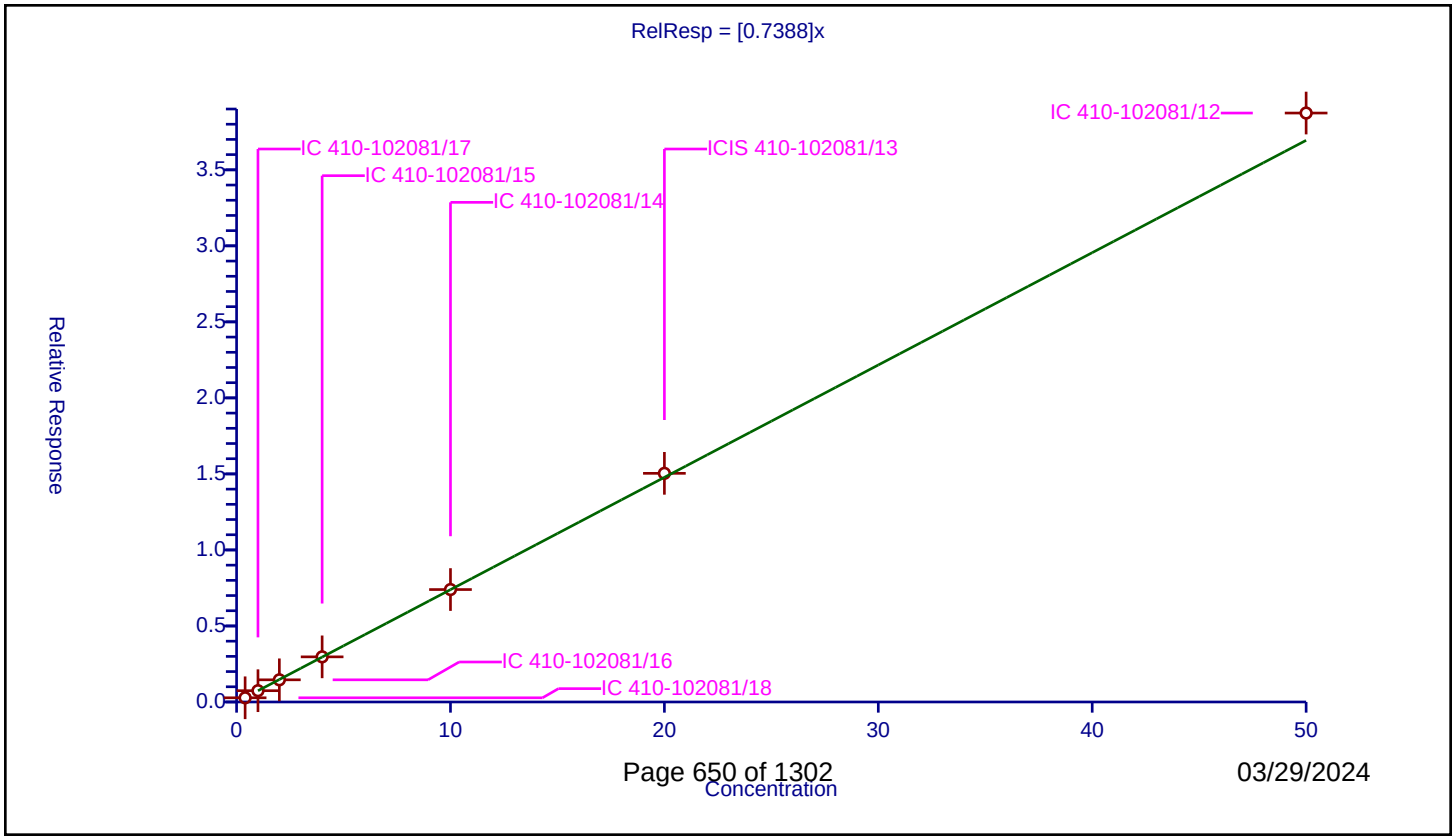
Curve Coefficients

Intercept:	0
Slope:	0.7388

Error Coefficients

Standard Error:	2850000
Relative Standard Error:	3.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.4	0.276955	10.0	1589174.0	0.692388	Y
2	IC 410-102081/17	1.0	0.742085	10.0	1612013.0	0.742085	Y
3	IC 410-102081/16	2.0	1.457899	10.0	1619173.0	0.728949	Y
4	IC 410-102081/15	4.0	2.968342	10.0	1624493.0	0.742085	Y
5	IC 410-102081/14	10.0	7.394355	10.0	1639832.0	0.739436	Y
6	ICIS 410-102081/13	20.0	15.03832	10.0	1638044.0	0.751916	Y
7	IC 410-102081/12	50.0	38.734759	10.0	1650800.0	0.774695	Y



Calibration / o-Xylene

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

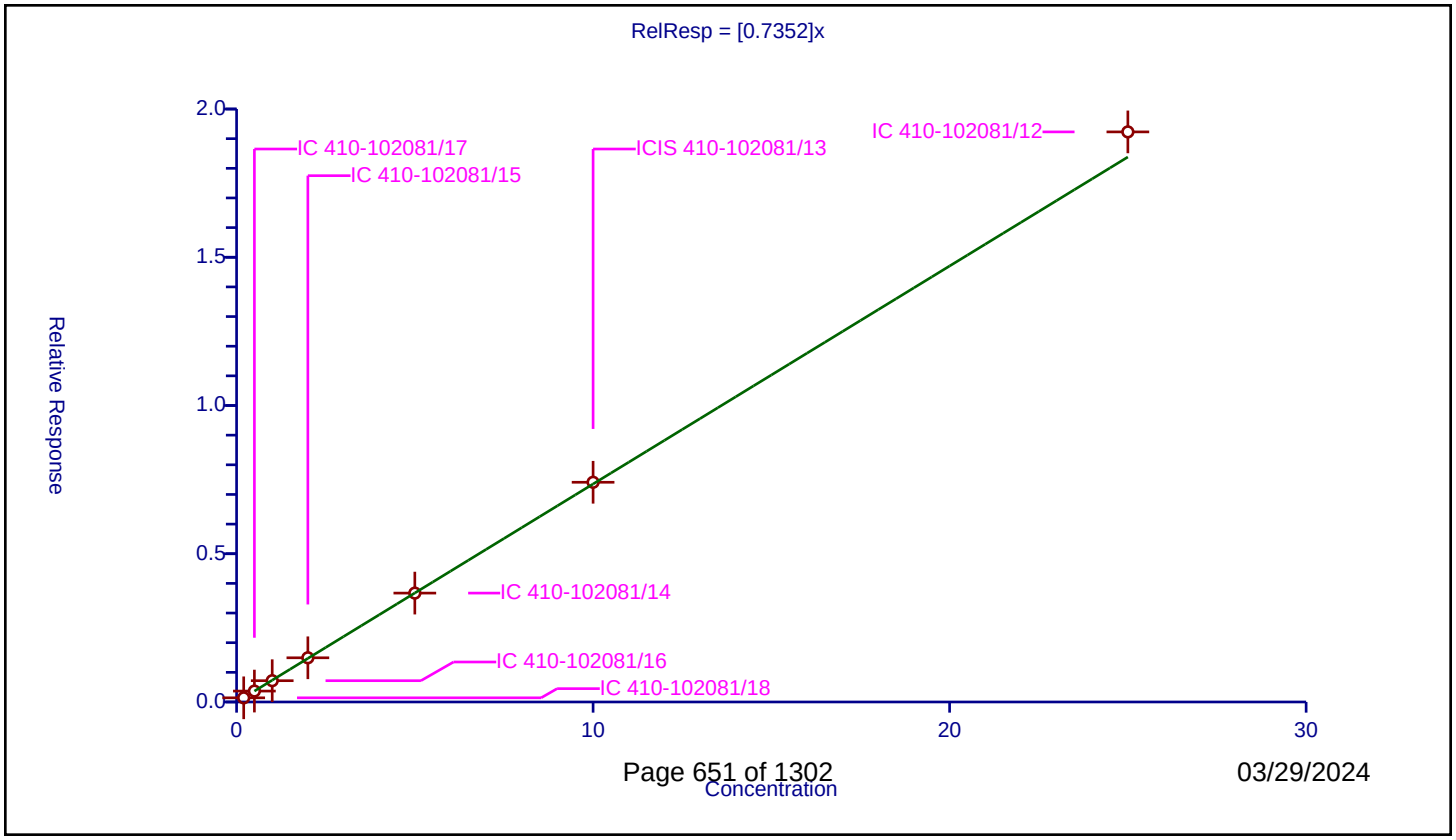
Curve Coefficients

Intercept:	0
Slope:	0.7352

Error Coefficients

Standard Error:	1410000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.140394	10.0	1589174.0	0.701968	Y
2	IC 410-102081/17	0.5	0.368204	10.0	1612013.0	0.736408	Y
3	IC 410-102081/16	1.0	0.718064	10.0	1619173.0	0.718064	Y
4	IC 410-102081/15	2.0	1.490902	10.0	1624493.0	0.745451	Y
5	IC 410-102081/14	5.0	3.672645	10.0	1639832.0	0.734529	Y
6	ICIS 410-102081/13	10.0	7.410735	10.0	1638044.0	0.741073	Y
7	IC 410-102081/12	25.0	19.22838	10.0	1650800.0	0.769135	Y



Calibration / Styrene

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

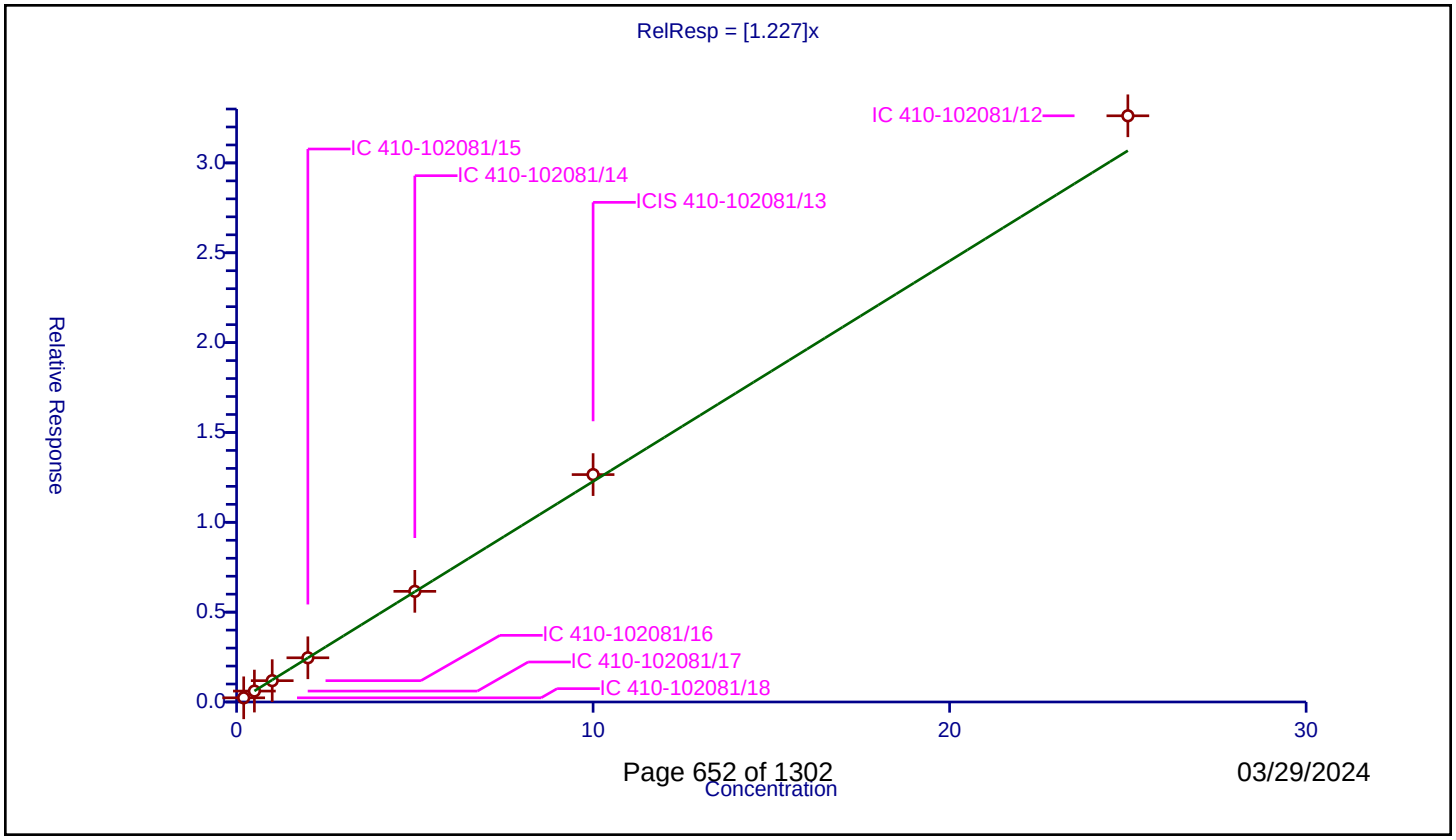
Curve Coefficients

Intercept:	0
Slope:	1.227

Error Coefficients

Standard Error:	2400000
Relative Standard Error:	4.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.231668	10.0	1589174.0	1.158338	Y
2	IC 410-102081/17	0.5	0.607396	10.0	1612013.0	1.214792	Y
3	IC 410-102081/16	1.0	1.185994	10.0	1619173.0	1.185994	Y
4	IC 410-102081/15	2.0	2.459346	10.0	1624493.0	1.229673	Y
5	IC 410-102081/14	5.0	6.158698	10.0	1639832.0	1.23174	Y
6	ICIS 410-102081/13	10.0	12.655844	10.0	1638044.0	1.265584	Y
7	IC 410-102081/12	25.0	32.623074	10.0	1650800.0	1.304923	Y



Calibration / Bromoform

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

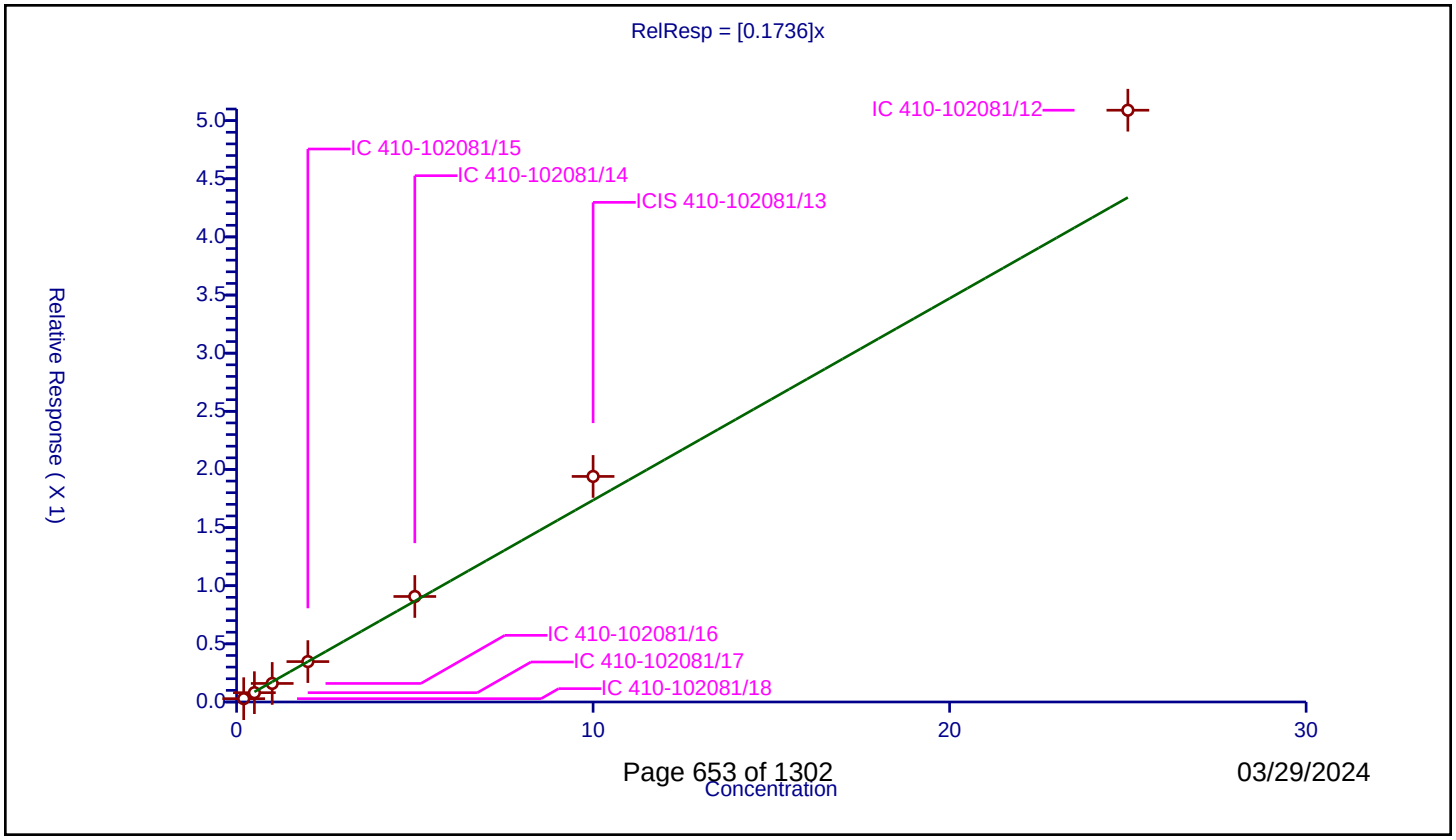
Curve Coefficients

Intercept:	0
Slope:	0.1736

Error Coefficients

Standard Error:	373000
Relative Standard Error:	12.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.028449	10.0	1589174.0	0.142244	Y
2	IC 410-102081/17	0.5	0.080204	10.0	1612013.0	0.160408	Y
3	IC 410-102081/16	1.0	0.159526	10.0	1619173.0	0.159526	Y
4	IC 410-102081/15	2.0	0.347462	10.0	1624493.0	0.173731	Y
5	IC 410-102081/14	5.0	0.907532	10.0	1639832.0	0.181506	Y
6	ICIS 410-102081/13	10.0	1.939887	10.0	1638044.0	0.193989	Y
7	IC 410-102081/12	25.0	5.089581	10.0	1650800.0	0.203583	Y



Calibration / Isopropylbenzene

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

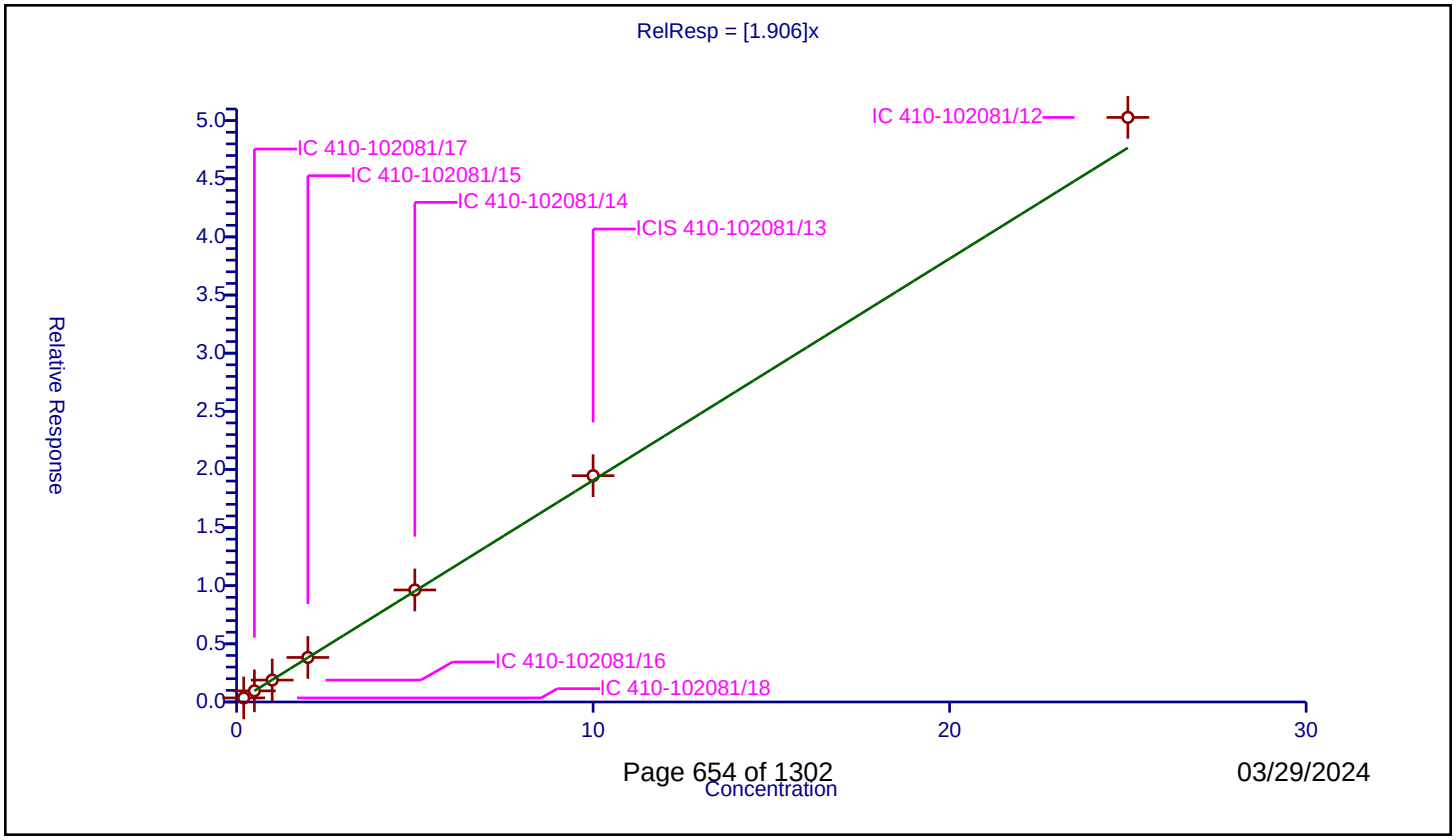
Curve Coefficients

Intercept:	0
Slope:	1.906

Error Coefficients

Standard Error:	3700000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.34898	10.0	1589174.0	1.7449	Y
2	IC 410-102081/17	0.5	0.958156	10.0	1612013.0	1.916312	Y
3	IC 410-102081/16	1.0	1.883276	10.0	1619173.0	1.883276	Y
4	IC 410-102081/15	2.0	3.832445	10.0	1624493.0	1.916222	Y
5	IC 410-102081/14	5.0	9.634737	10.0	1639832.0	1.926947	Y
6	ICIS 410-102081/13	10.0	19.46477	10.0	1638044.0	1.946477	Y
7	IC 410-102081/12	25.0	50.276793	10.0	1650800.0	2.011072	Y



Calibration / 4-Bromofluorobenzene (Surr)

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

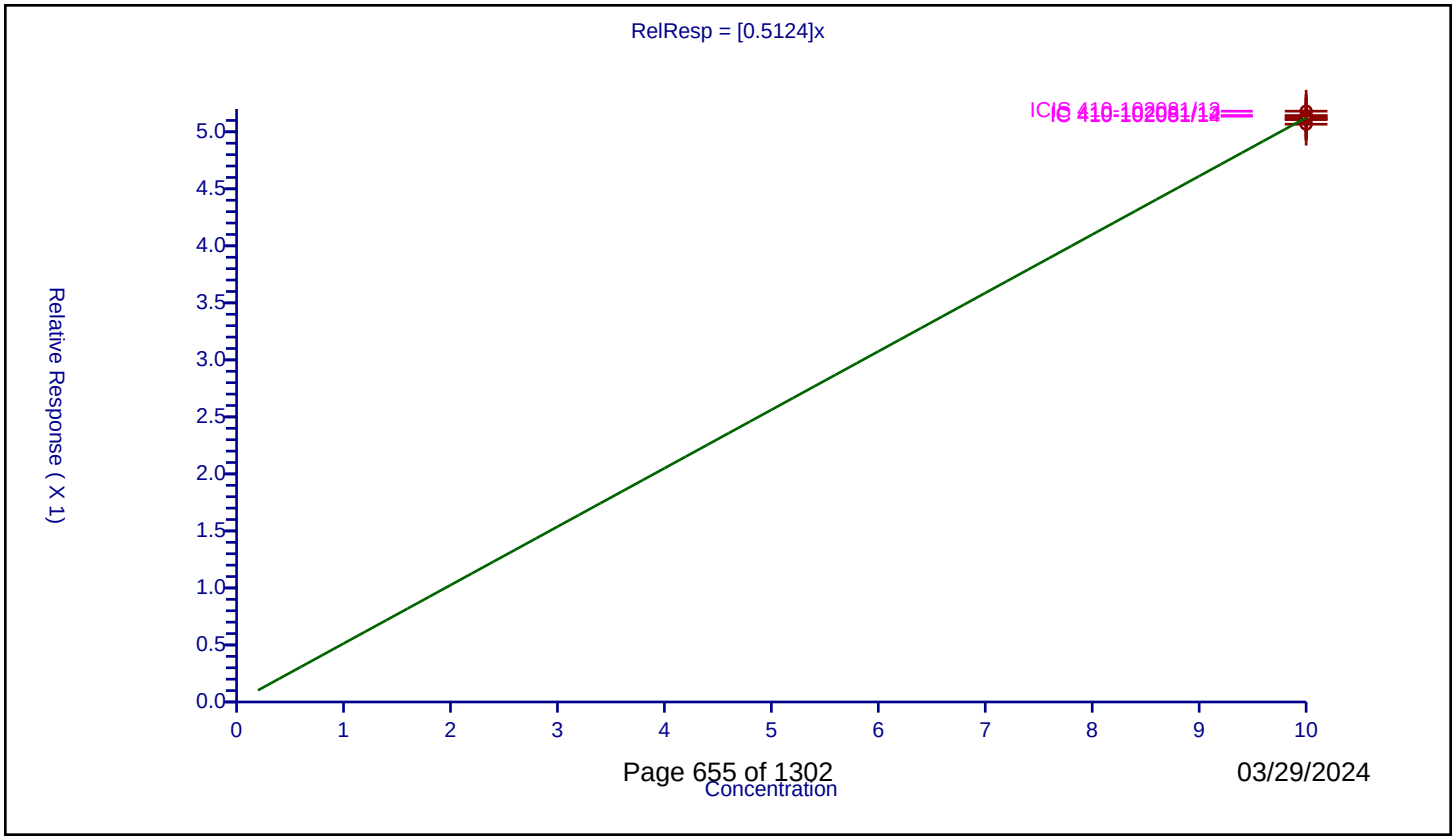
Curve Coefficients

Intercept:	0
Slope:	0.5124

Error Coefficients

Standard Error:	899000
Relative Standard Error:	0.7
Correlation Coefficient:	0
Coefficient of Determination (Adjusted):	0.000000000000000333

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/12	10.0	5.142731	10.0	1650800.0	0.514273	Y
2	ICIS 410-102081/13	10.0	5.181118	10.0	1638044.0	0.518112	Y
3	IC 410-102081/14	10.0	5.137032	10.0	1639832.0	0.513703	Y
4	IC 410-102081/15	10.0	5.116532	10.0	1624493.0	0.511653	Y
5	IC 410-102081/16	10.0	5.066735	10.0	1619173.0	0.506673	Y
6	IC 410-102081/17	10.0	5.114891	10.0	1612013.0	0.511489	Y
7	IC 410-102081/18	10.0	5.10681	10.0	1589174.0	0.510681	Y



Calibration / 1,1,2,2-Tetrachloroethane

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

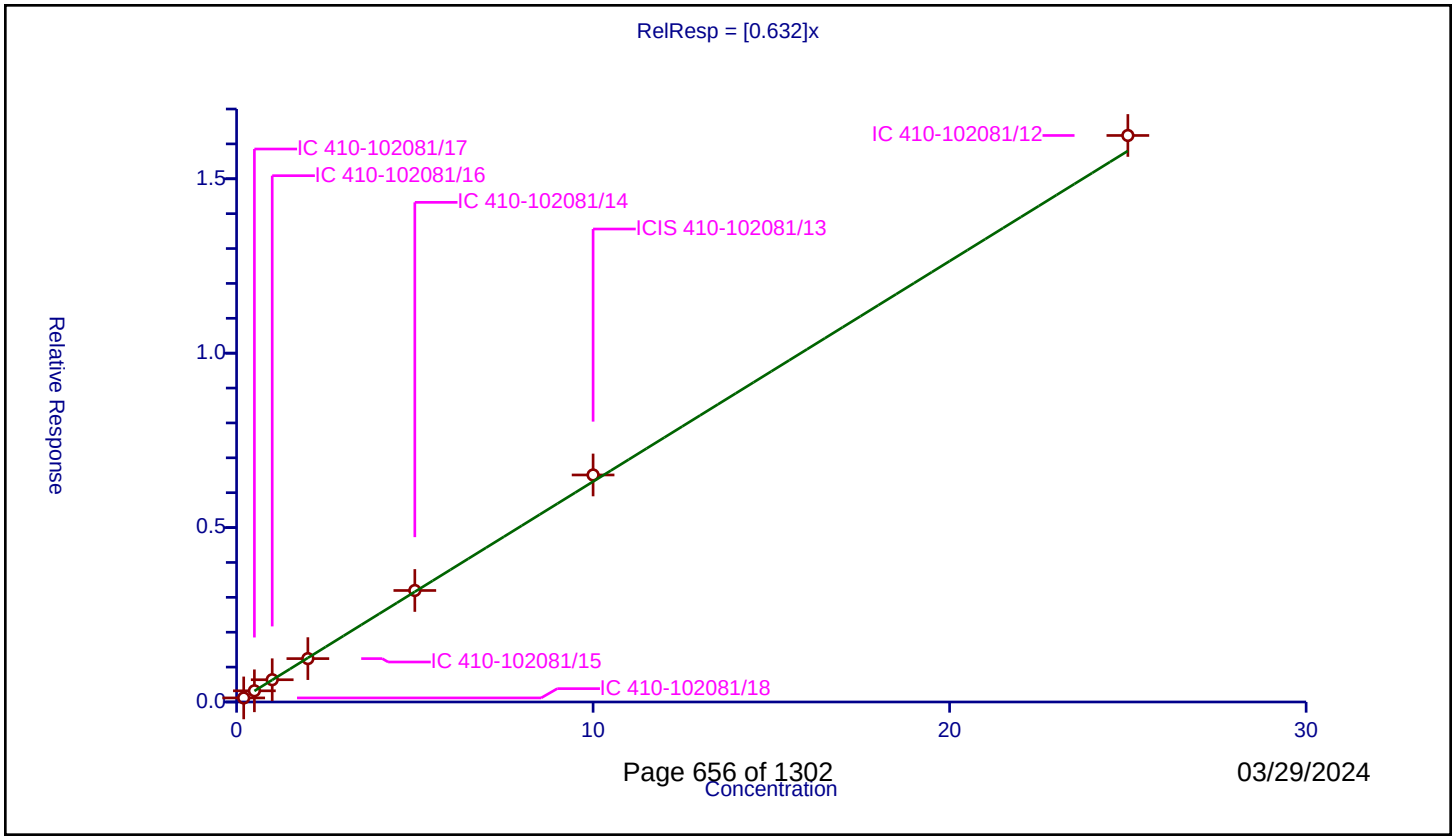
Curve Coefficients

Intercept:	0
Slope:	0.632

Error Coefficients

Standard Error:	668000
Relative Standard Error:	3.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.116461	10.0	866469.0	0.582306	Y
2	IC 410-102081/17	0.5	0.320918	10.0	872465.0	0.641837	Y
3	IC 410-102081/16	1.0	0.638171	10.0	873073.0	0.638171	Y
4	IC 410-102081/15	2.0	1.243176	10.0	891523.0	0.621588	Y
5	IC 410-102081/14	5.0	3.196541	10.0	894811.0	0.639308	Y
6	ICIS 410-102081/13	10.0	6.508265	10.0	910957.0	0.650827	Y
7	IC 410-102081/12	25.0	16.241433	10.0	918475.0	0.649657	Y



Calibration / Bromobenzene

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

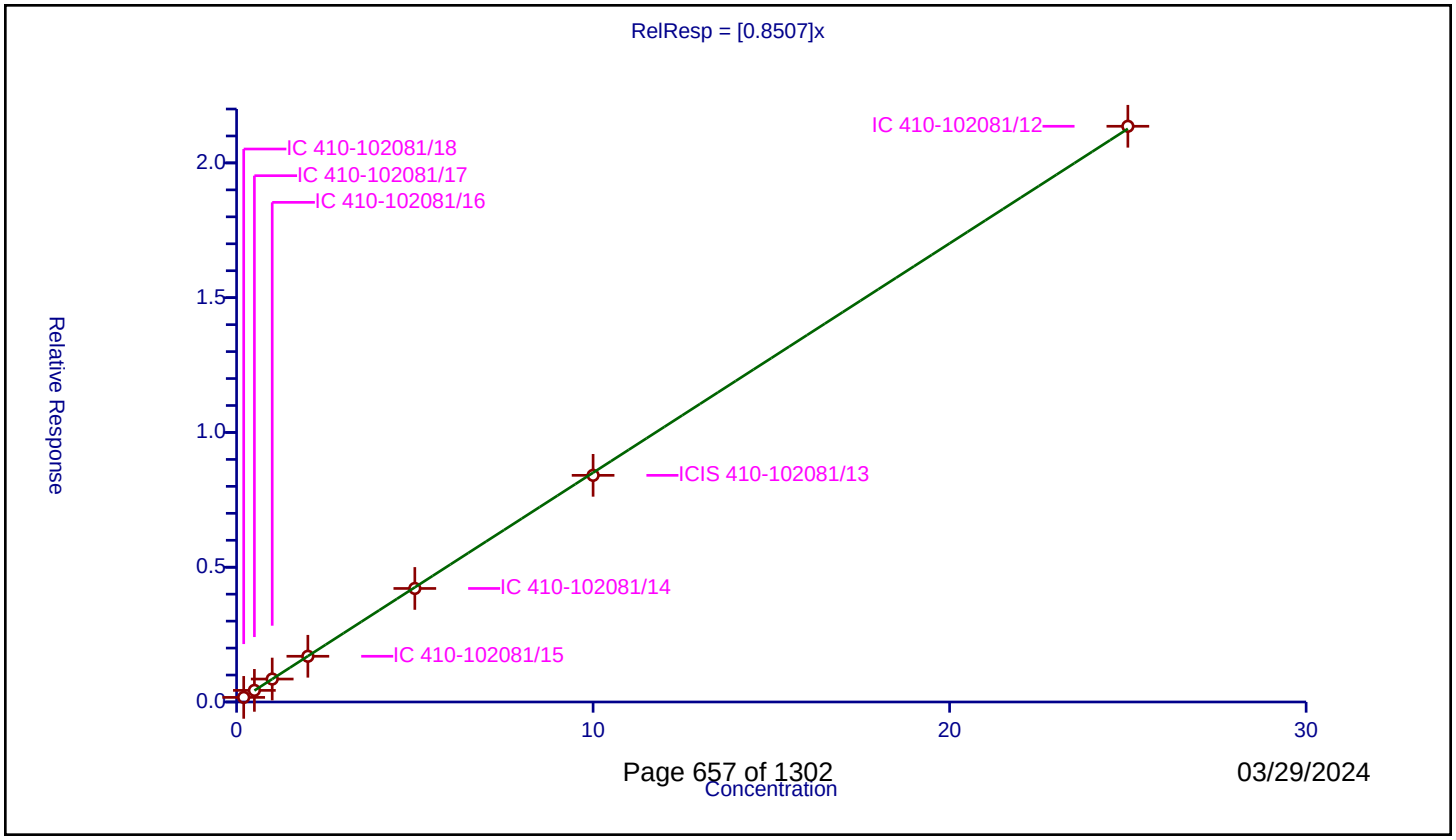
Curve Coefficients

Intercept:	0
Slope:	0.8507

Error Coefficients

Standard Error:	876000
Relative Standard Error:	0.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.170947	10.0	866469.0	0.854733	Y
2	IC 410-102081/17	0.5	0.43133	10.0	872465.0	0.862659	Y
3	IC 410-102081/16	1.0	0.85151	10.0	873073.0	0.85151	Y
4	IC 410-102081/15	2.0	1.696714	10.0	891523.0	0.848357	Y
5	IC 410-102081/14	5.0	4.212331	10.0	894811.0	0.842466	Y
6	ICIS 410-102081/13	10.0	8.409222	10.0	910957.0	0.840922	Y
7	IC 410-102081/12	25.0	21.359591	10.0	918475.0	0.854384	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

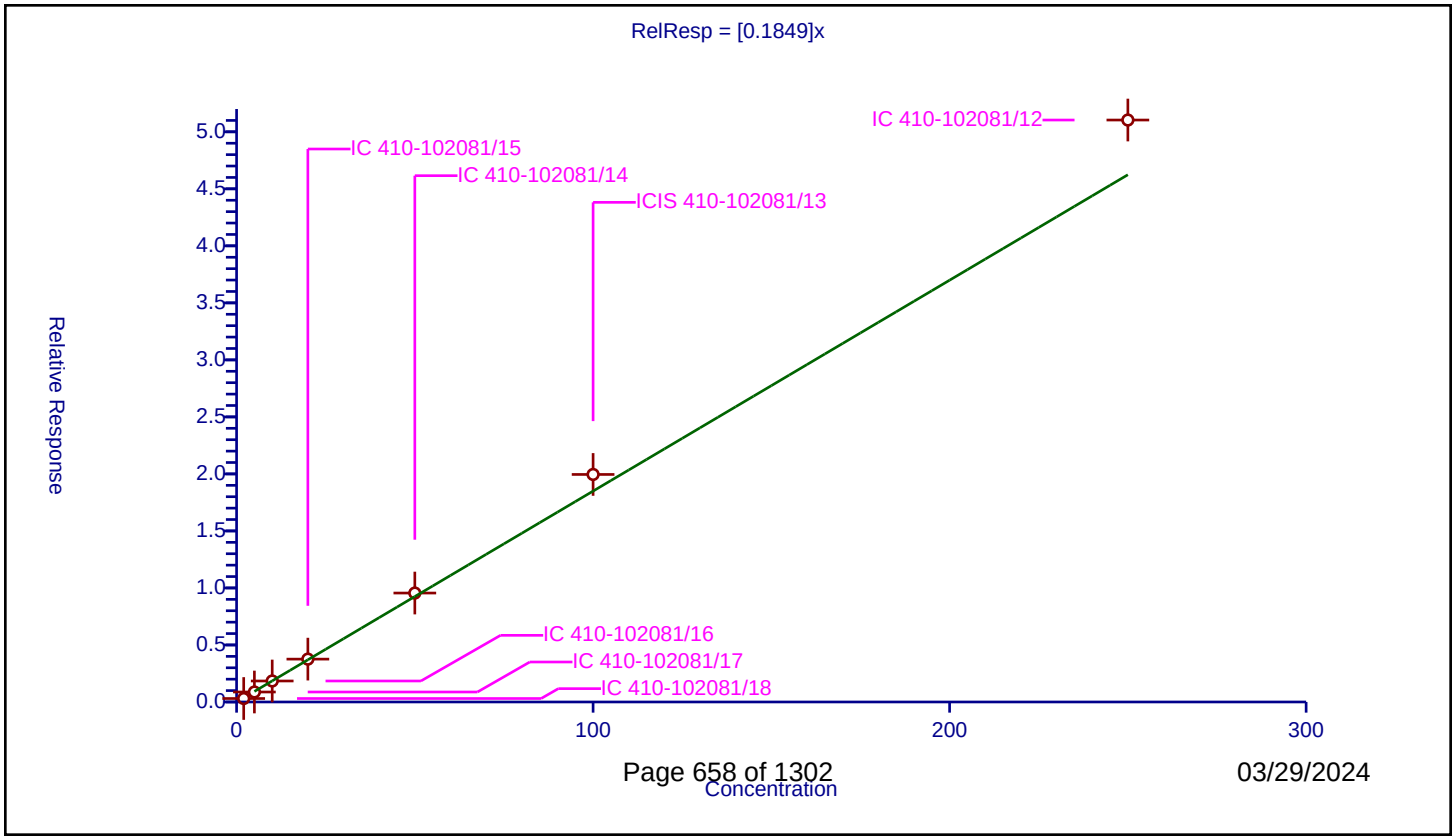
Curve Coefficients

Intercept:	0
Slope:	0.1849

Error Coefficients

Standard Error:	2090000
Relative Standard Error:	9.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	2.0	0.305216	10.0	866469.0	0.152608	Y
2	IC 410-102081/17	5.0	0.87529	10.0	872465.0	0.175058	Y
3	IC 410-102081/16	10.0	1.841965	10.0	873073.0	0.184197	Y
4	IC 410-102081/15	20.0	3.759881	10.0	891523.0	0.187994	Y
5	IC 410-102081/14	50.0	9.553381	10.0	894811.0	0.191068	Y
6	ICIS 410-102081/13	100.0	19.953807	10.0	910957.0	0.199538	Y
7	IC 410-102081/12	250.0	51.033038	10.0	918475.0	0.204132	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

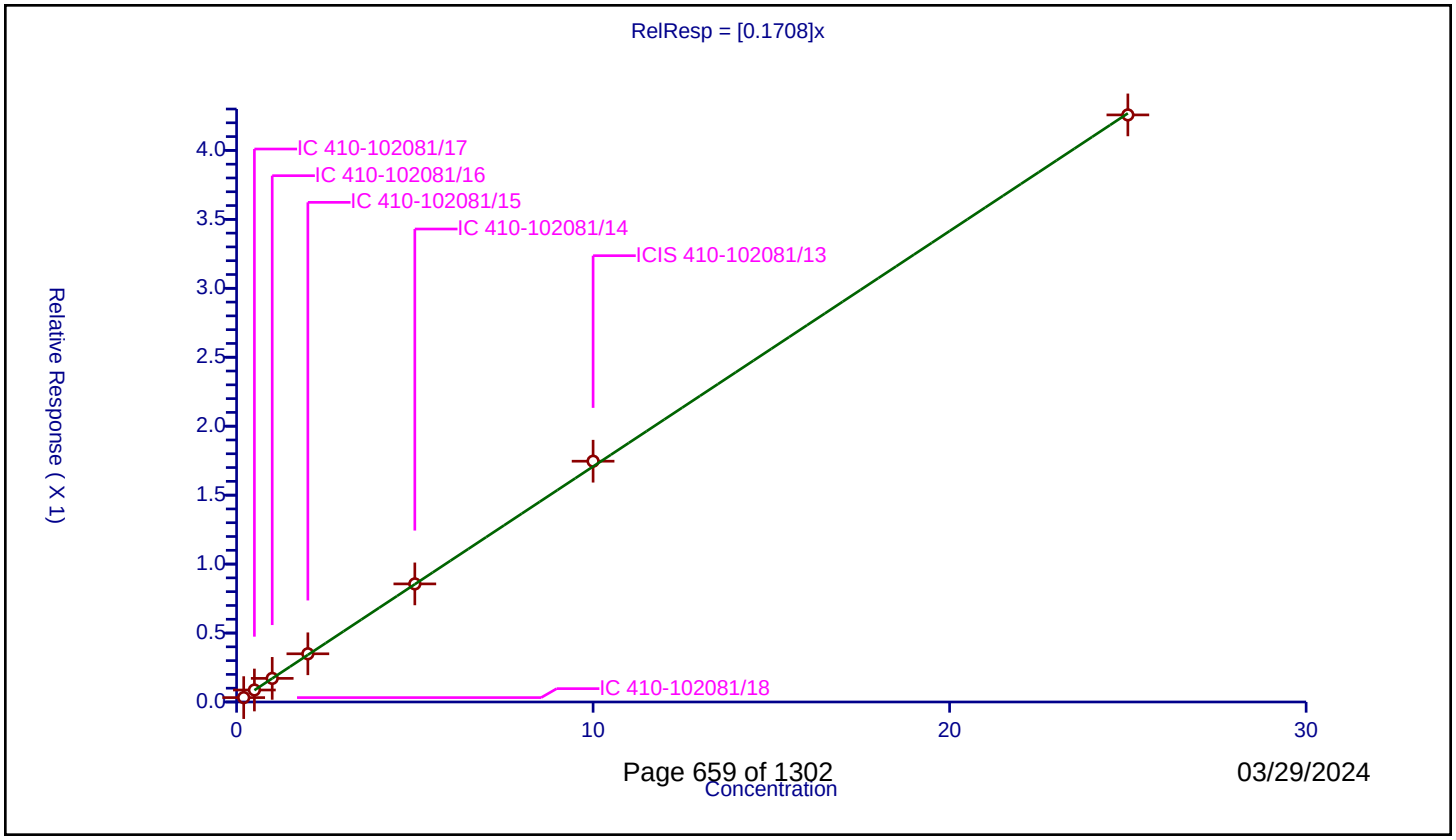
Curve Coefficients

Intercept:	0
Slope:	0.1708

Error Coefficients

Standard Error:	176000
Relative Standard Error:	3.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.031877	10.0	866469.0	0.159383	Y
2	IC 410-102081/17	0.5	0.086869	10.0	872465.0	0.173738	Y
3	IC 410-102081/16	1.0	0.1712	10.0	873073.0	0.1712	Y
4	IC 410-102081/15	2.0	0.349582	10.0	891523.0	0.174791	Y
5	IC 410-102081/14	5.0	0.85627	10.0	894811.0	0.171254	Y
6	ICIS 410-102081/13	10.0	1.746109	10.0	910957.0	0.174611	Y
7	IC 410-102081/12	25.0	4.257176	10.0	918475.0	0.170287	Y



Calibration / N-Propylbenzene

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

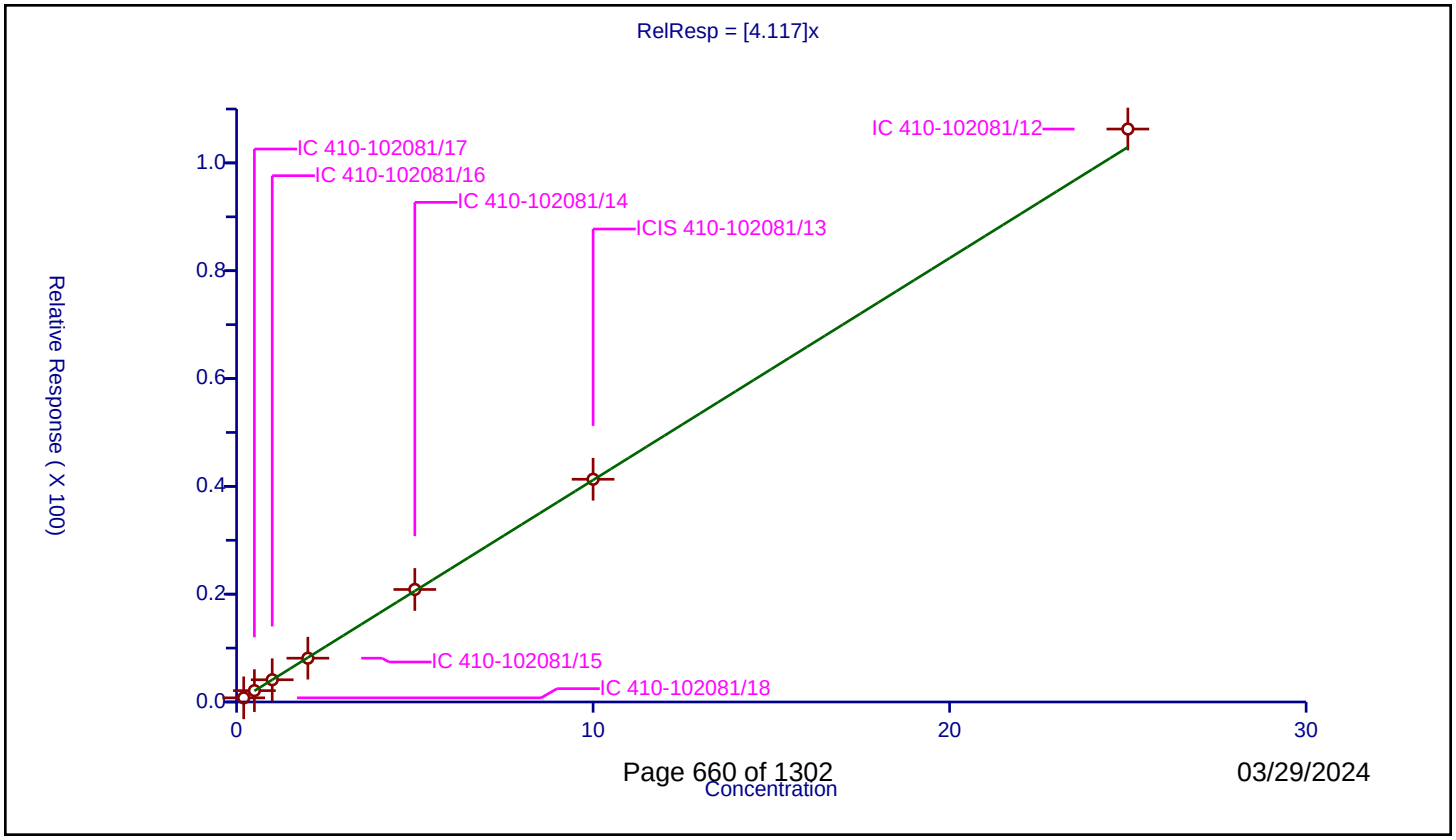
Curve Coefficients

Intercept:	0
Slope:	4.117

Error Coefficients

Standard Error:	4350000
Relative Standard Error:	3.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.771176	10.0	866469.0	3.855879	Y
2	IC 410-102081/17	0.5	2.111156	10.0	872465.0	4.222313	Y
3	IC 410-102081/16	1.0	4.121225	10.0	873073.0	4.121225	Y
4	IC 410-102081/15	2.0	8.124636	10.0	891523.0	4.062318	Y
5	IC 410-102081/14	5.0	20.872374	10.0	894811.0	4.174475	Y
6	ICIS 410-102081/13	10.0	41.319151	10.0	910957.0	4.131915	Y
7	IC 410-102081/12	25.0	106.287095	10.0	918475.0	4.251484	Y



Calibration / 2-Chlorotoluene

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

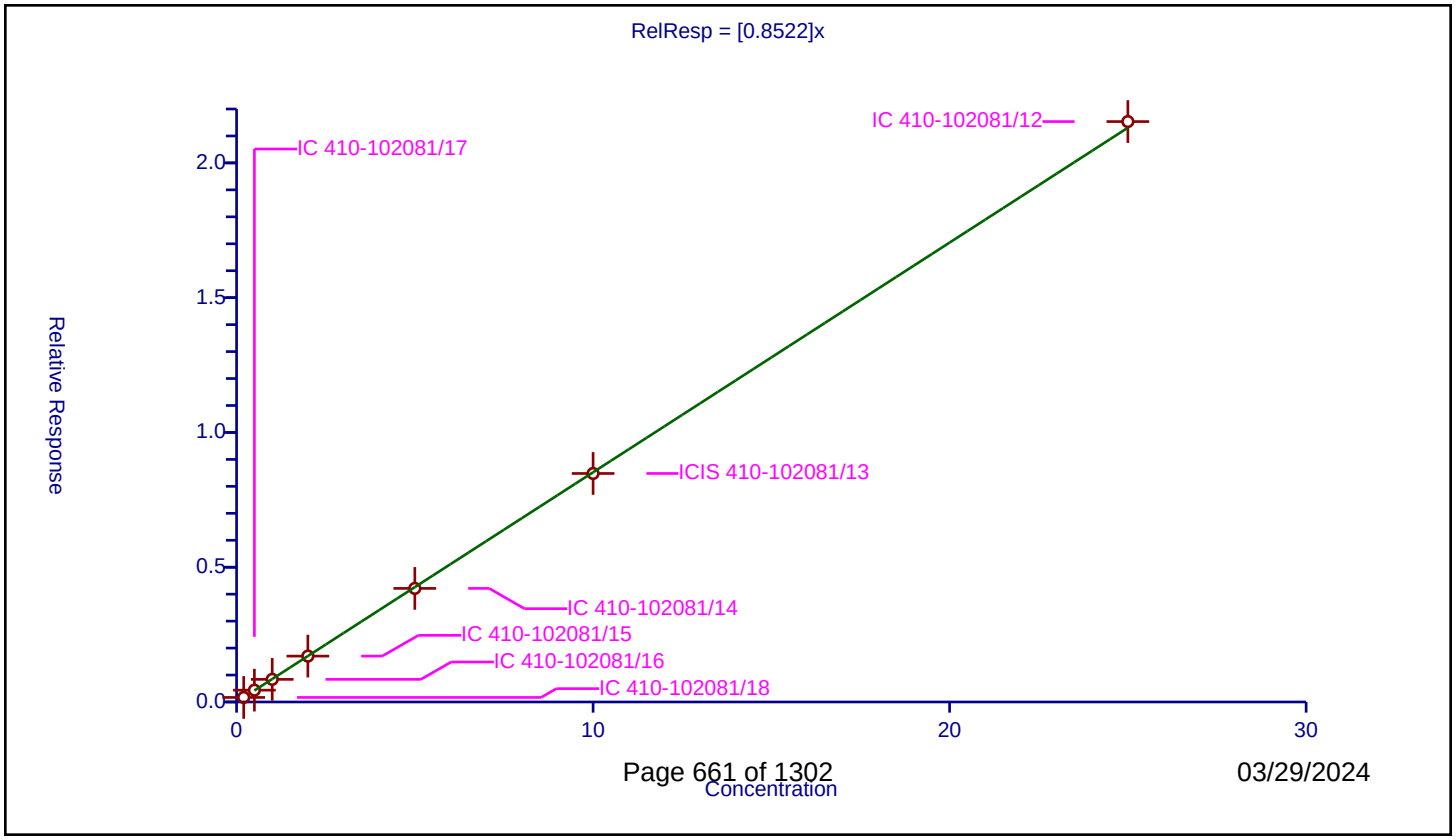
Curve Coefficients

Intercept:	0
Slope:	0.8522

Error Coefficients

Standard Error:	883000
Relative Standard Error:	1.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.169008	10.0	866469.0	0.845039	Y
2	IC 410-102081/17	0.5	0.438757	10.0	872465.0	0.877514	Y
3	IC 410-102081/16	1.0	0.839724	10.0	873073.0	0.839724	Y
4	IC 410-102081/15	2.0	1.702457	10.0	891523.0	0.851229	Y
5	IC 410-102081/14	5.0	4.213806	10.0	894811.0	0.842761	Y
6	ICIS 410-102081/13	10.0	8.478457	10.0	910957.0	0.847846	Y
7	IC 410-102081/12	25.0	21.533738	10.0	918475.0	0.86135	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

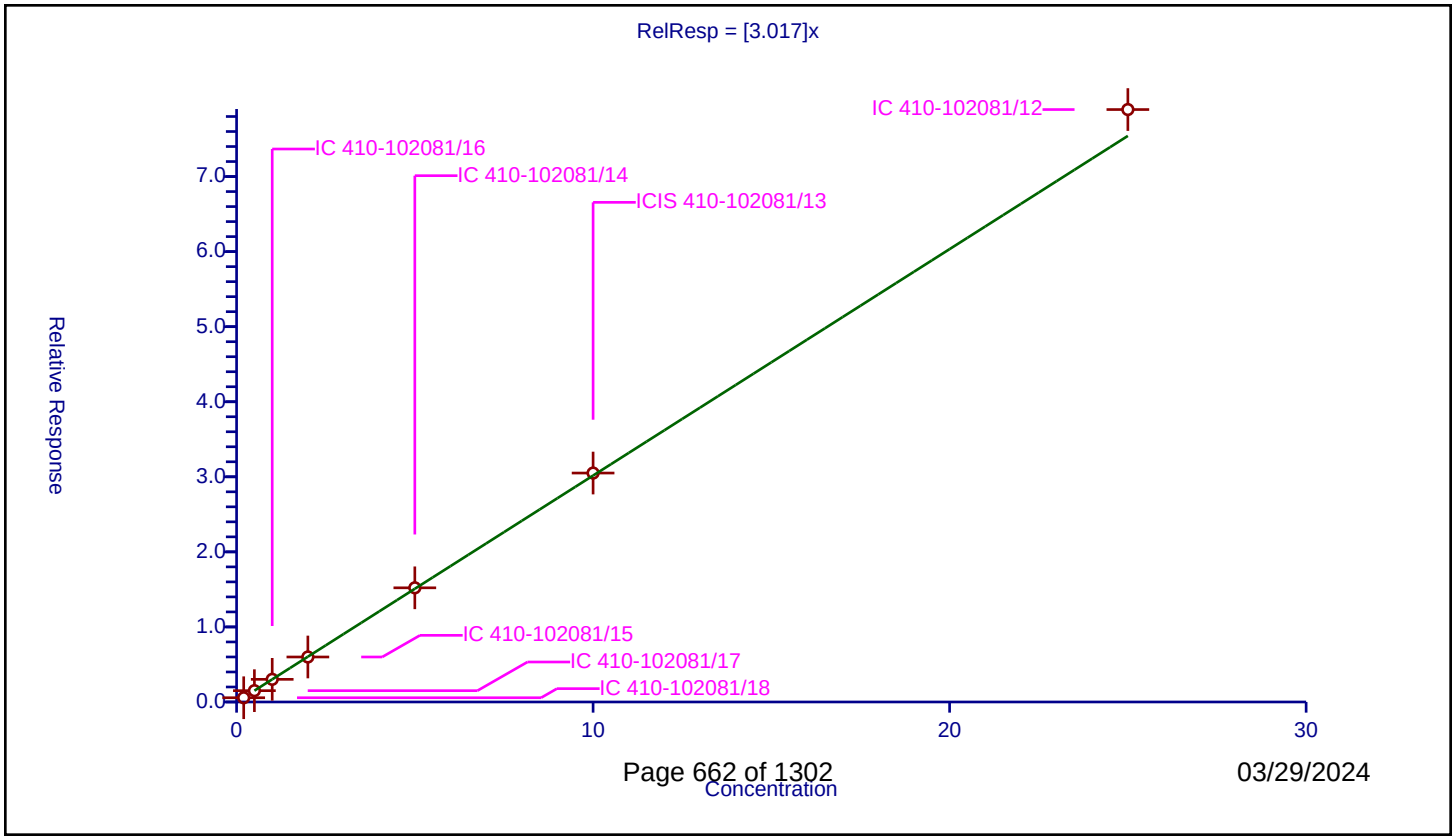
Curve Coefficients

Intercept:	0
Slope:	3.017

Error Coefficients

Standard Error:	3230000
Relative Standard Error:	3.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.567649	10.0	866469.0	2.838243	Y
2	IC 410-102081/17	0.5	1.506765	10.0	872465.0	3.013531	Y
3	IC 410-102081/16	1.0	3.01898	10.0	873073.0	3.01898	Y
4	IC 410-102081/15	2.0	5.993878	10.0	891523.0	2.996939	Y
5	IC 410-102081/14	5.0	15.211067	10.0	894811.0	3.042213	Y
6	ICIS 410-102081/13	10.0	30.501066	10.0	910957.0	3.050107	Y
7	IC 410-102081/12	25.0	78.929116	10.0	918475.0	3.157165	Y



Calibration / 4-Chlorotoluene

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

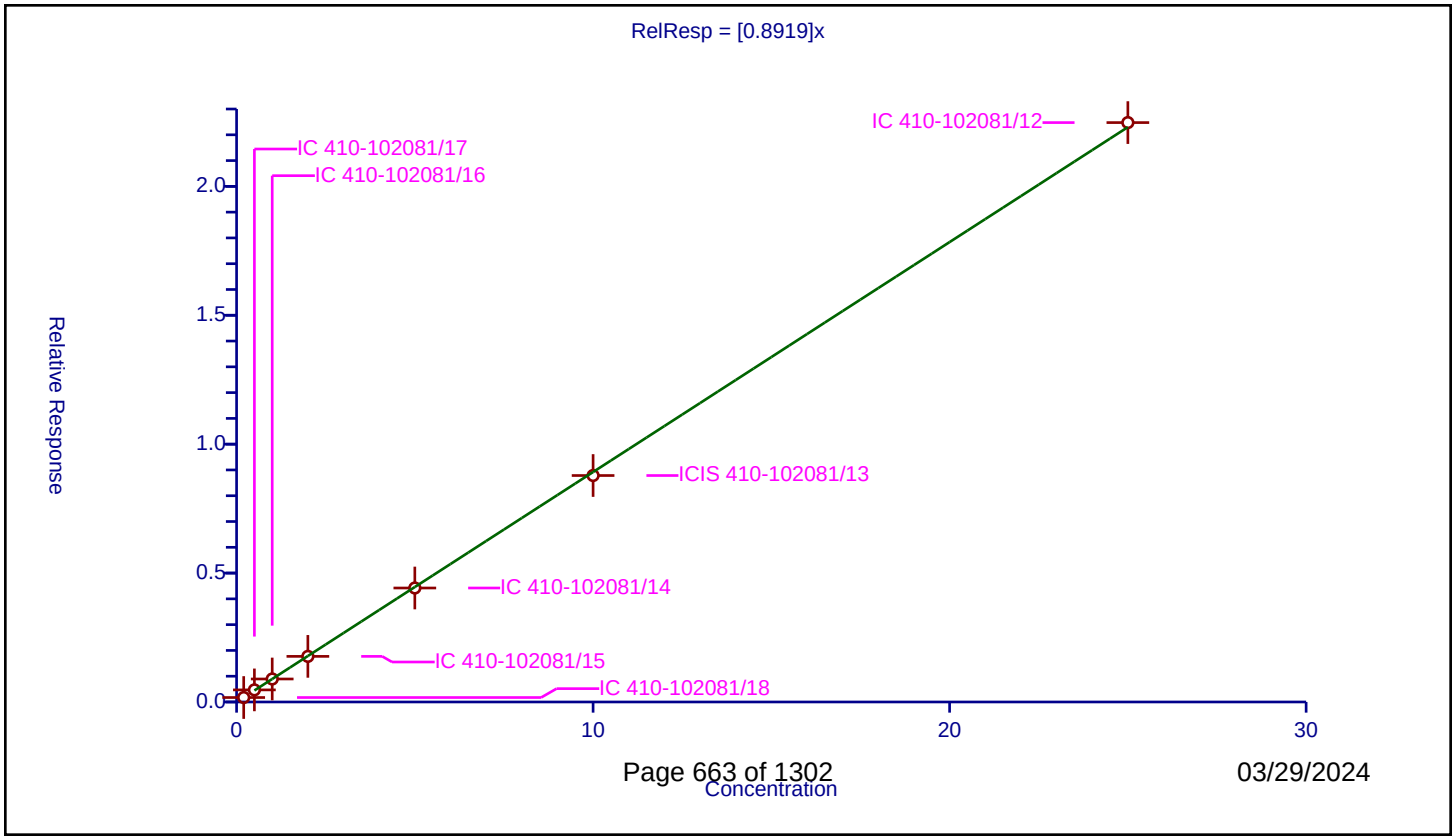
Curve Coefficients

Intercept:	0
Slope:	0.8919

Error Coefficients

Standard Error:	921000
Relative Standard Error:	2.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.173393	10.0	866469.0	0.866967	Y
2	IC 410-102081/17	0.5	0.468764	10.0	872465.0	0.937528	Y
3	IC 410-102081/16	1.0	0.892434	10.0	873073.0	0.892434	Y
4	IC 410-102081/15	2.0	1.769702	10.0	891523.0	0.884851	Y
5	IC 410-102081/14	5.0	4.421325	10.0	894811.0	0.884265	Y
6	ICIS 410-102081/13	10.0	8.784169	10.0	910957.0	0.878417	Y
7	IC 410-102081/12	25.0	22.473099	10.0	918475.0	0.898924	Y



Calibration / tert-Butylbenzene

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

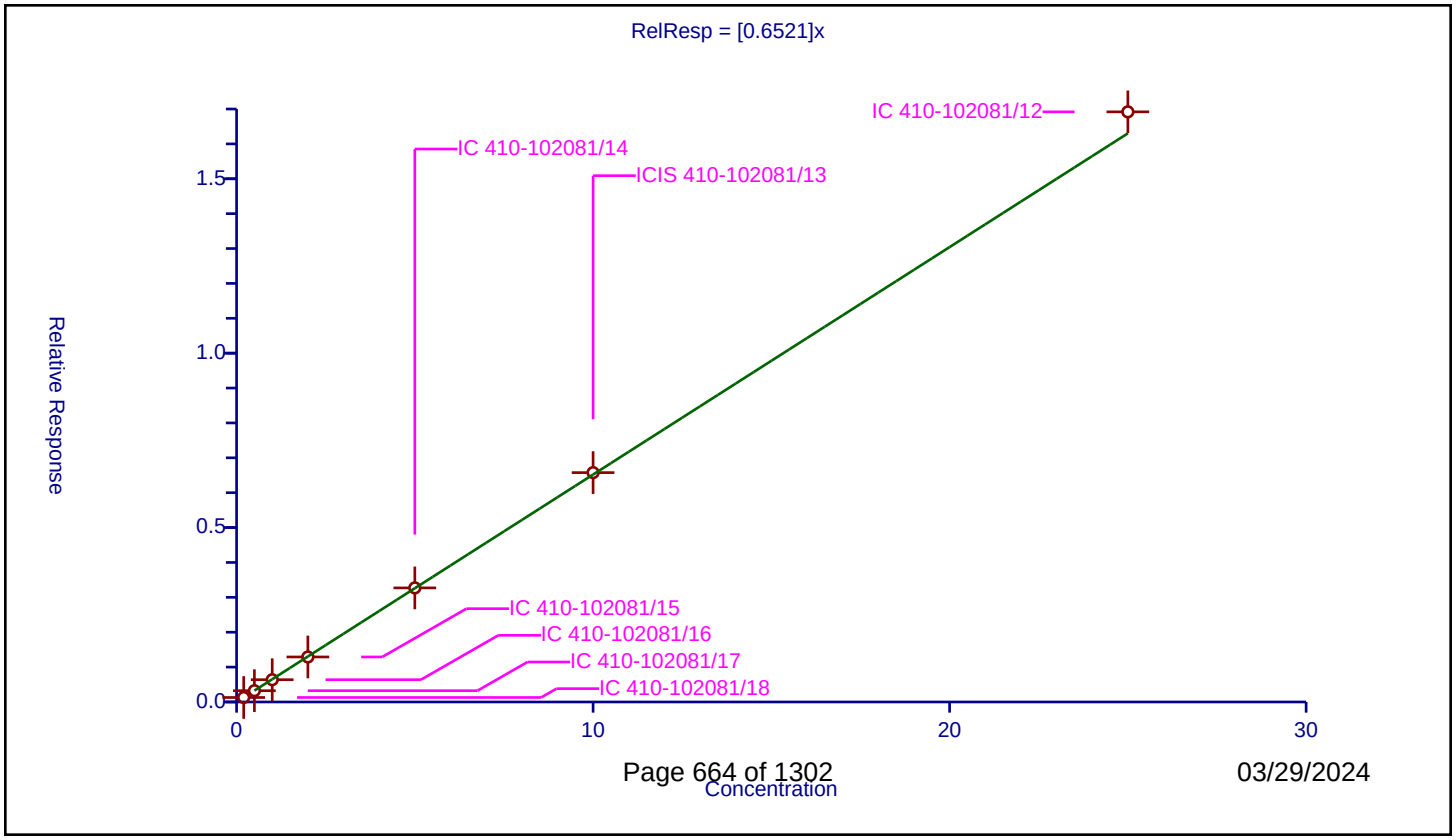
Curve Coefficients

Intercept:	0
Slope:	0.6521

Error Coefficients

Standard Error:	692000
Relative Standard Error:	1.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.12881	10.0	866469.0	0.644051	Y
2	IC 410-102081/17	0.5	0.323921	10.0	872465.0	0.647843	Y
3	IC 410-102081/16	1.0	0.638744	10.0	873073.0	0.638744	Y
4	IC 410-102081/15	2.0	1.290724	10.0	891523.0	0.645362	Y
5	IC 410-102081/14	5.0	3.270881	10.0	894811.0	0.654176	Y
6	ICIS 410-102081/13	10.0	6.576128	10.0	910957.0	0.657613	Y
7	IC 410-102081/12	25.0	16.918751	10.0	918475.0	0.67675	Y



Calibration / Pentachloroethane

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

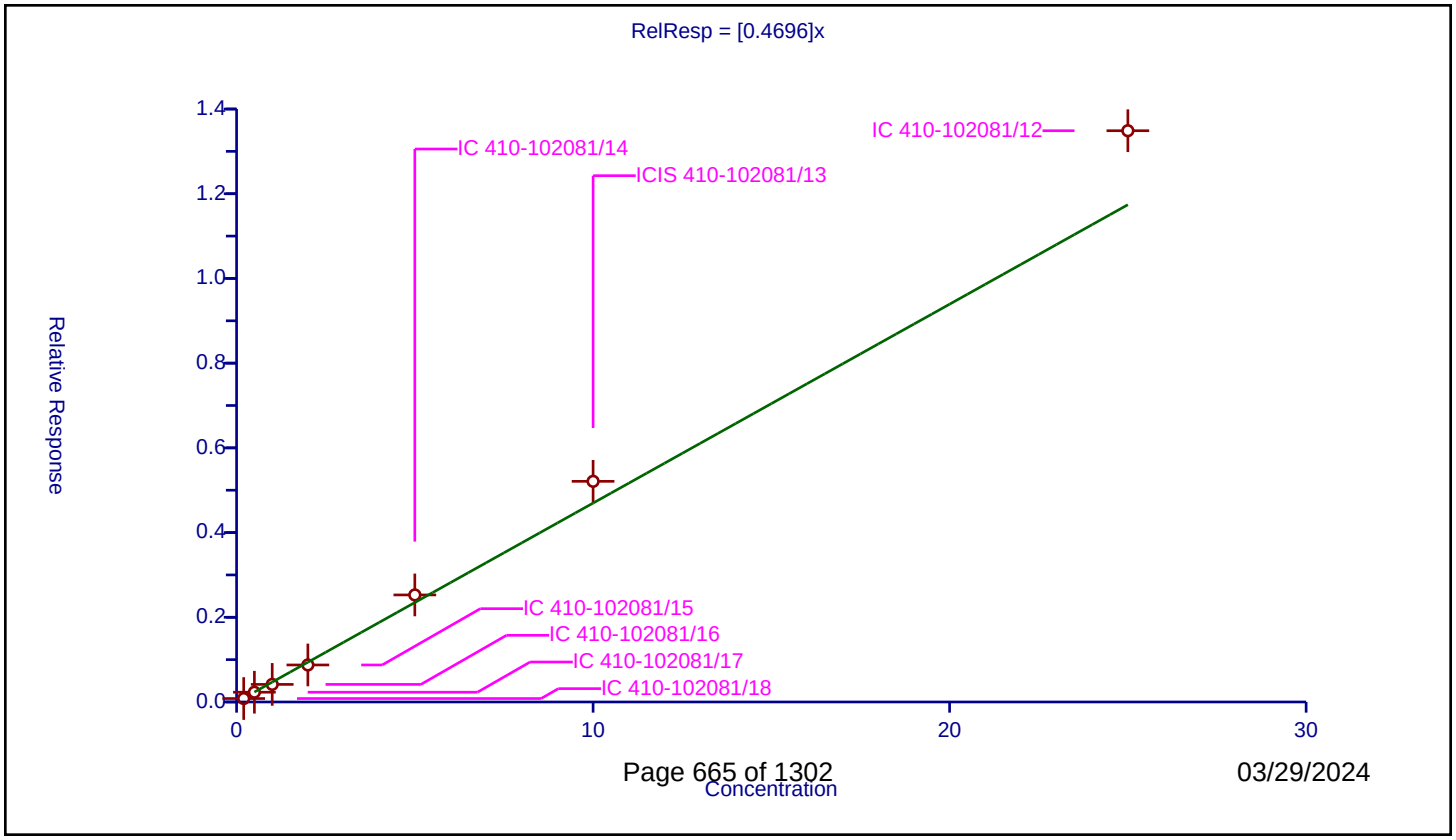
Curve Coefficients

Intercept:	0
Slope:	0.4696

Error Coefficients

Standard Error:	551000
Relative Standard Error:	11.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.081422	10.0	866469.0	0.407112	Y
2	IC 410-102081/17	0.5	0.230875	10.0	872465.0	0.461749	Y
3	IC 410-102081/16	1.0	0.415441	10.0	873073.0	0.415441	Y
4	IC 410-102081/15	2.0	0.874021	10.0	891523.0	0.437011	Y
5	IC 410-102081/14	5.0	2.527584	10.0	894811.0	0.505517	Y
6	ICIS 410-102081/13	10.0	5.209686	10.0	910957.0	0.520969	Y
7	IC 410-102081/12	25.0	13.487248	10.0	918475.0	0.53949	Y



Calibration / 1,2,4-Trimethylbenzene

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

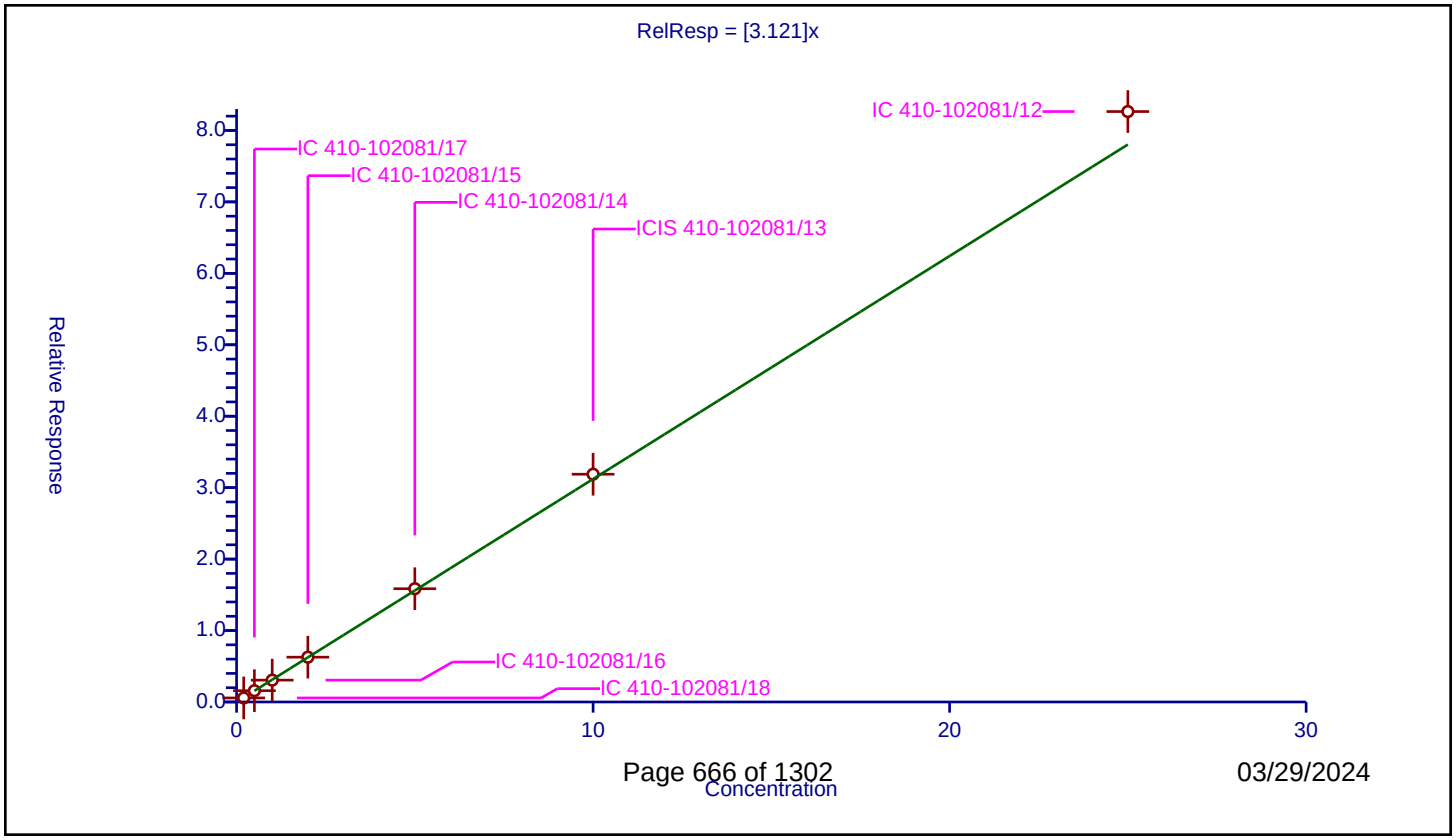
Curve Coefficients

Intercept:	0
Slope:	3.121

Error Coefficients

Standard Error:	3380000
Relative Standard Error:	4.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.565571	10.0	866469.0	2.827857	Y
2	IC 410-102081/17	0.5	1.580018	10.0	872465.0	3.160035	Y
3	IC 410-102081/16	1.0	3.05806	10.0	873073.0	3.05806	Y
4	IC 410-102081/15	2.0	6.273085	10.0	891523.0	3.136543	Y
5	IC 410-102081/14	5.0	15.85584	10.0	894811.0	3.171168	Y
6	ICIS 410-102081/13	10.0	31.882185	10.0	910957.0	3.188219	Y
7	IC 410-102081/12	25.0	82.646354	10.0	918475.0	3.305854	Y



Calibration / sec-Butylbenzene

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

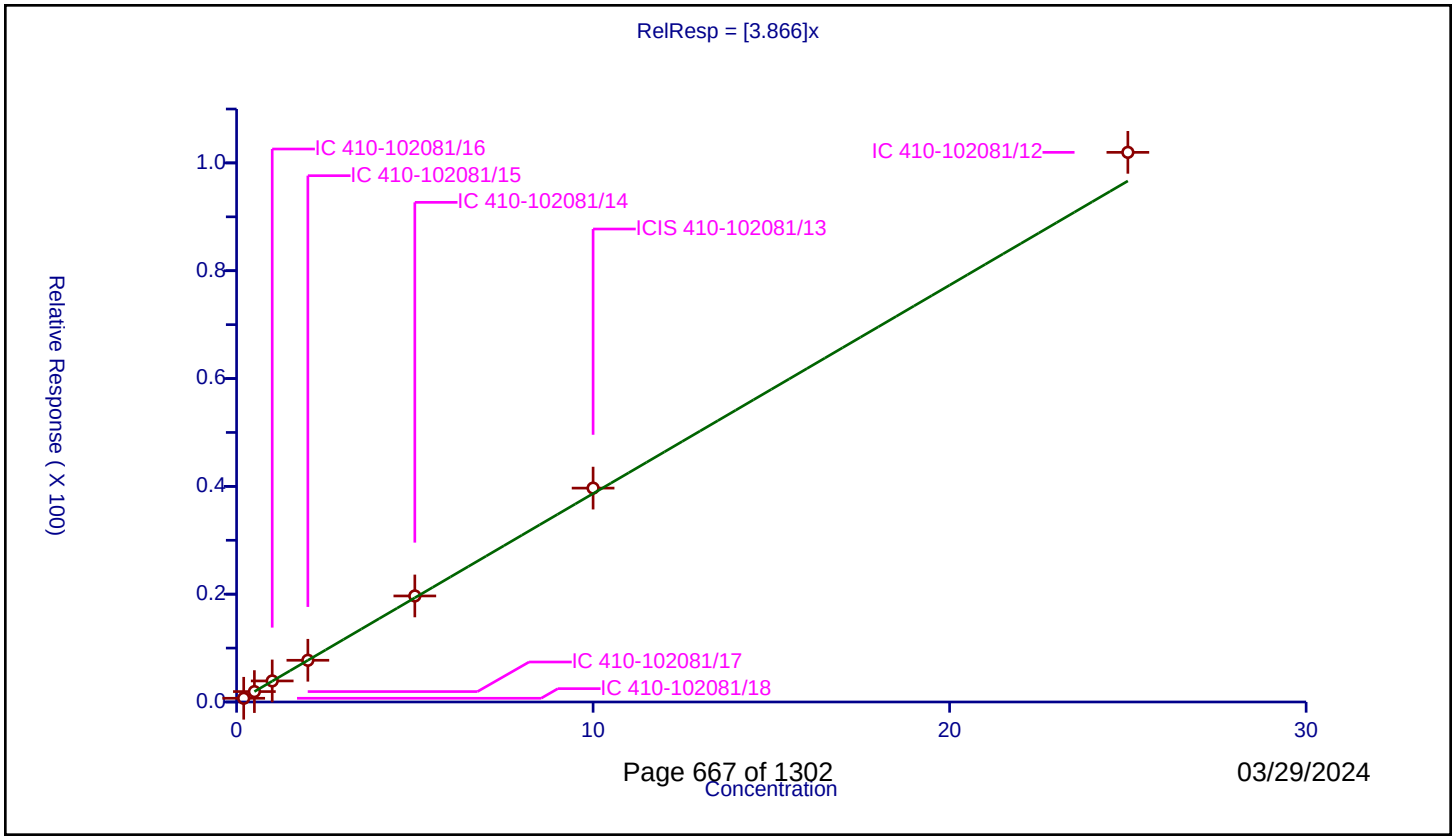
Curve Coefficients

Intercept:	0
Slope:	3.866

Error Coefficients

Standard Error:	4170000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.690088	10.0	866469.0	3.450441	Y
2	IC 410-102081/17	0.5	1.929235	10.0	872465.0	3.85847	Y
3	IC 410-102081/16	1.0	3.905366	10.0	873073.0	3.905366	Y
4	IC 410-102081/15	2.0	7.738634	10.0	891523.0	3.869317	Y
5	IC 410-102081/14	5.0	19.66879	10.0	894811.0	3.933758	Y
6	ICIS 410-102081/13	10.0	39.67364	10.0	910957.0	3.967364	Y
7	IC 410-102081/12	25.0	101.960456	10.0	918475.0	4.078418	Y



Calibration / 1,3-Dichlorobenzene

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

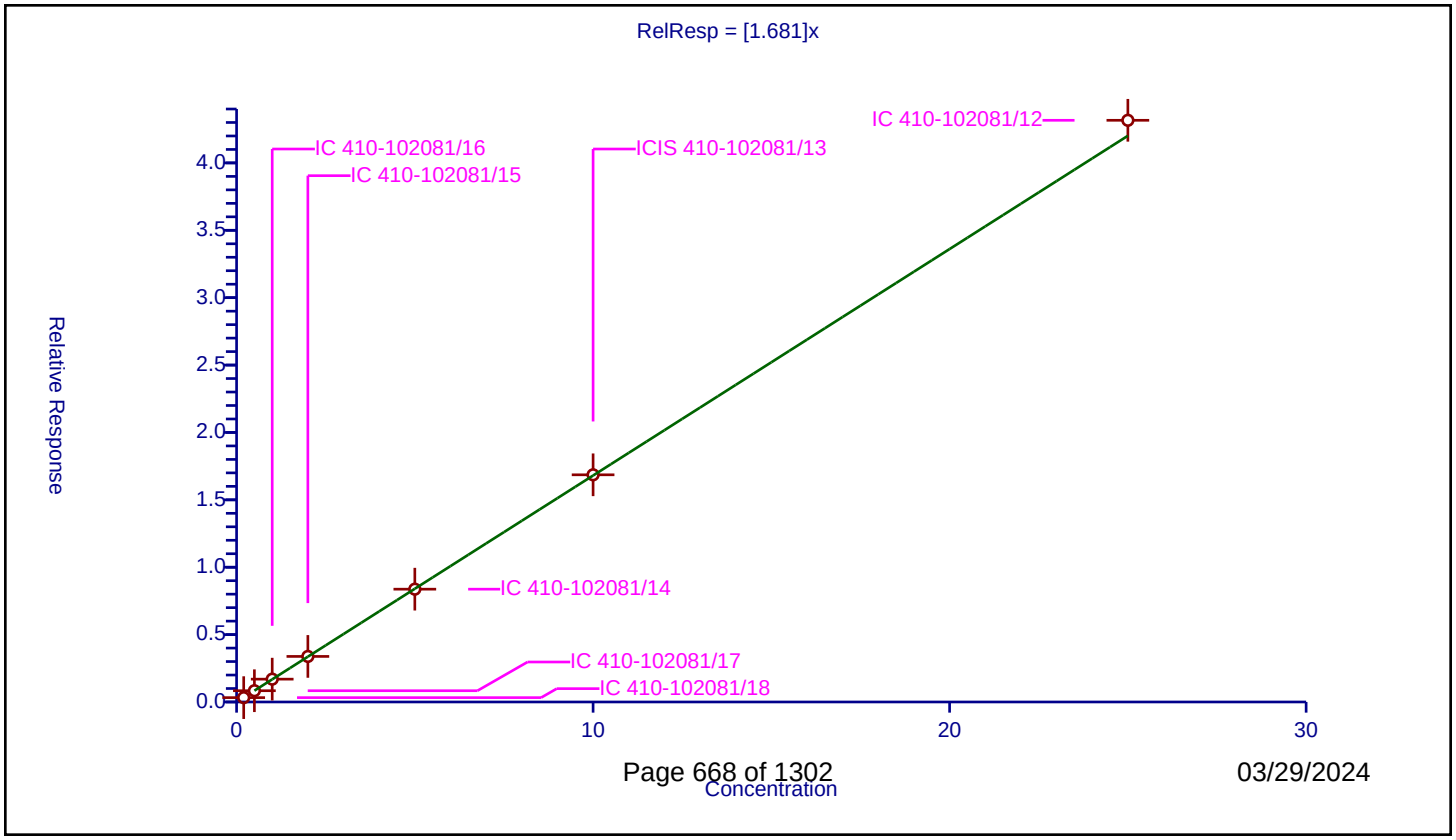
Curve Coefficients

Intercept:	0
Slope:	1.681

Error Coefficients

Standard Error:	1770000
Relative Standard Error:	1.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.324028	10.0	866469.0	1.620139	Y
2	IC 410-102081/17	0.5	0.835896	10.0	872465.0	1.671792	Y
3	IC 410-102081/16	1.0	1.69483	10.0	873073.0	1.69483	Y
4	IC 410-102081/15	2.0	3.380451	10.0	891523.0	1.690226	Y
5	IC 410-102081/14	5.0	8.371567	10.0	894811.0	1.674313	Y
6	ICIS 410-102081/13	10.0	16.85871	10.0	910957.0	1.685871	Y
7	IC 410-102081/12	25.0	43.162492	10.0	918475.0	1.7265	Y



Calibration / 4-Isopropyltoluene

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

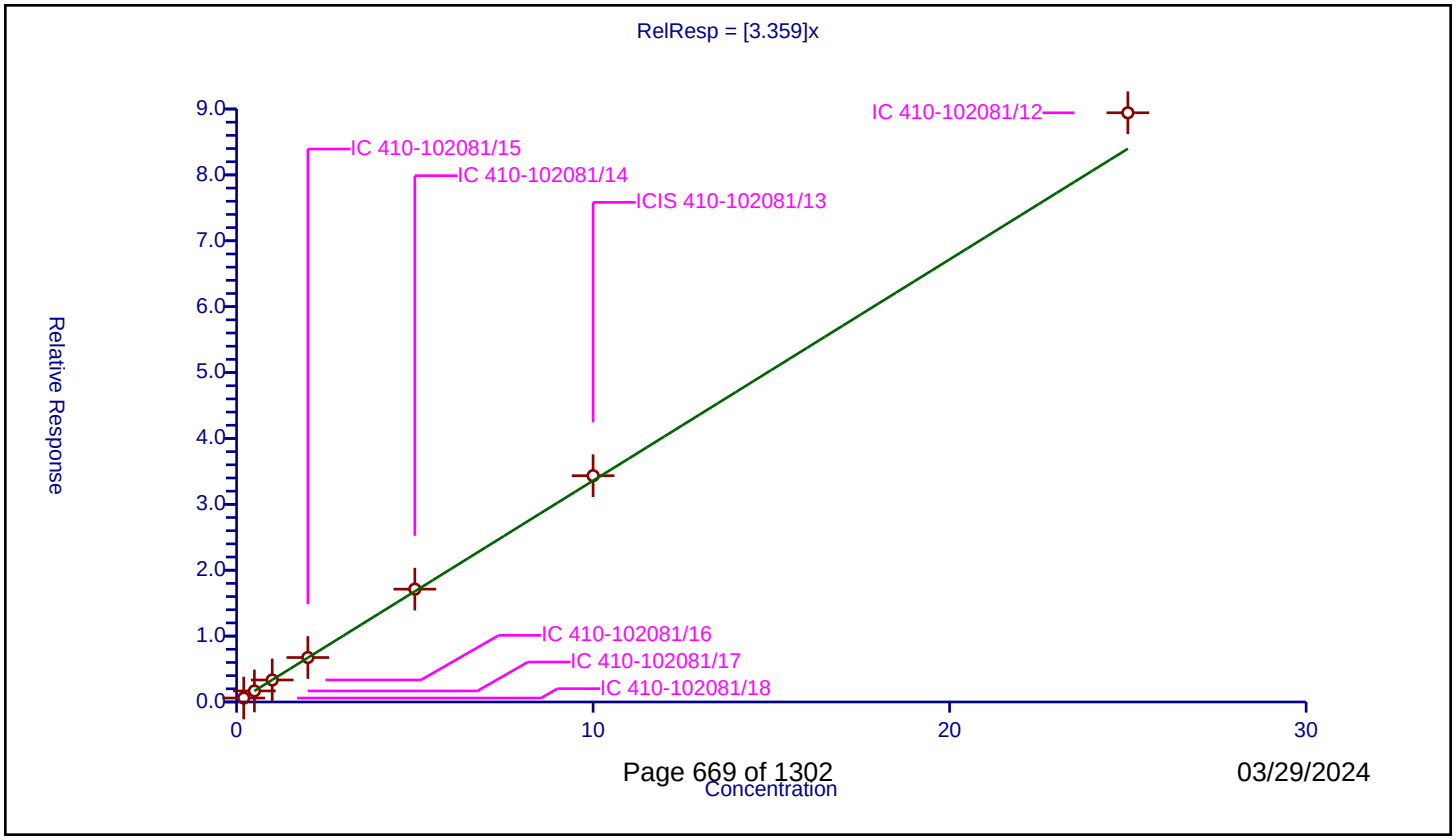
Curve Coefficients

Intercept:	0
Slope:	3.359

Error Coefficients

Standard Error:	3650000
Relative Standard Error:	5.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.600483	10.0	866469.0	3.002416	Y
2	IC 410-102081/17	0.5	1.678463	10.0	872465.0	3.356925	Y
3	IC 410-102081/16	1.0	3.341576	10.0	873073.0	3.341576	Y
4	IC 410-102081/15	2.0	6.749349	10.0	891523.0	3.374675	Y
5	IC 410-102081/14	5.0	17.125996	10.0	894811.0	3.425199	Y
6	ICIS 410-102081/13	10.0	34.342971	10.0	910957.0	3.434297	Y
7	IC 410-102081/12	25.0	89.430044	10.0	918475.0	3.577202	Y



Calibration / 1,4-Dichlorobenzene

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

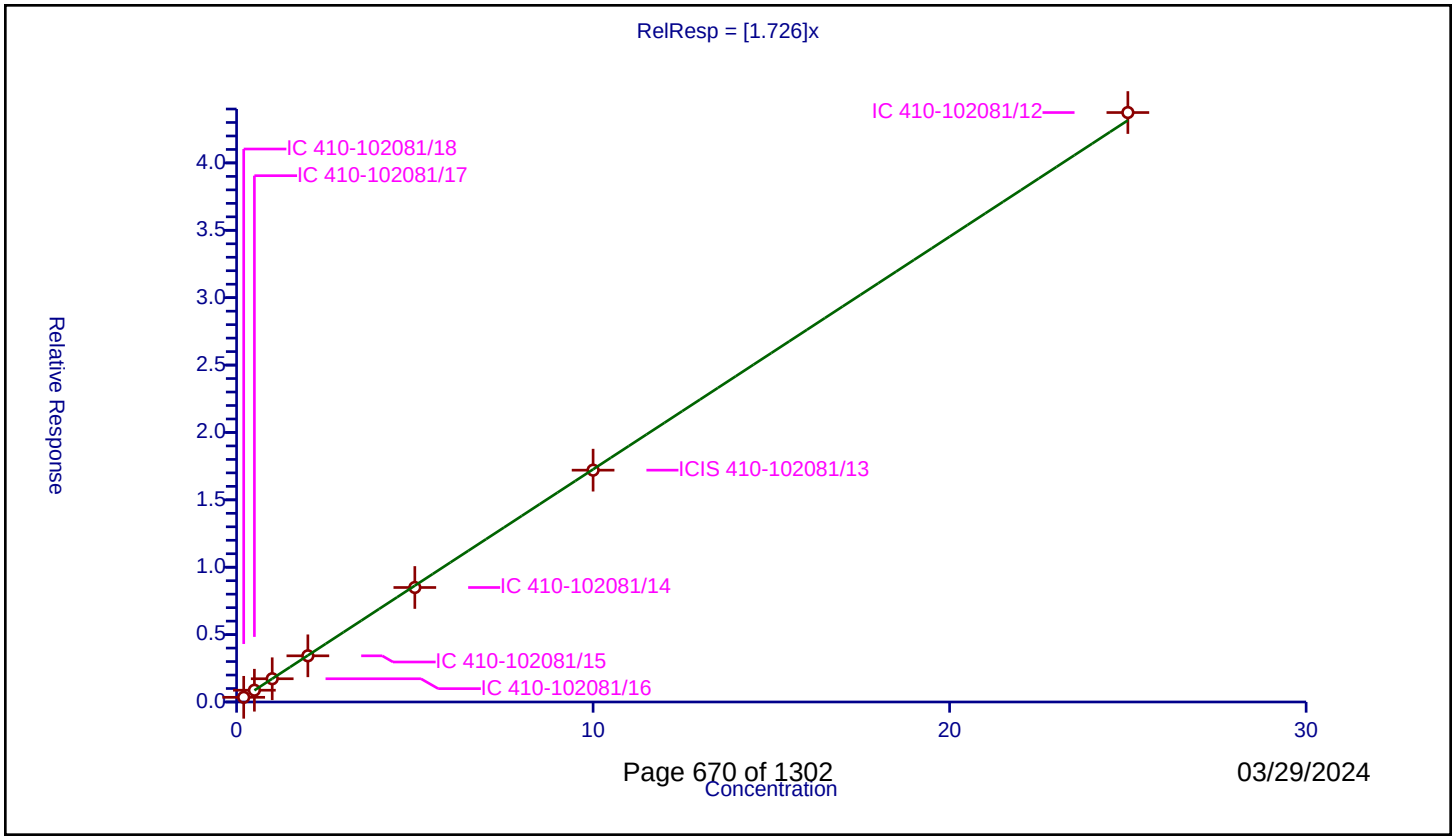
Curve Coefficients

Intercept:	0
Slope:	1.726

Error Coefficients

Standard Error:	1790000
Relative Standard Error:	1.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.346383	10.0	866469.0	1.731914	Y
2	IC 410-102081/17	0.5	0.87364	10.0	872465.0	1.747279	Y
3	IC 410-102081/16	1.0	1.724071	10.0	873073.0	1.724071	Y
4	IC 410-102081/15	2.0	3.425621	10.0	891523.0	1.712811	Y
5	IC 410-102081/14	5.0	8.496141	10.0	894811.0	1.699228	Y
6	ICIS 410-102081/13	10.0	17.20225	10.0	910957.0	1.720225	Y
7	IC 410-102081/12	25.0	43.738501	10.0	918475.0	1.74954	Y



Calibration / 1,2,3-Trimethylbenzene

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

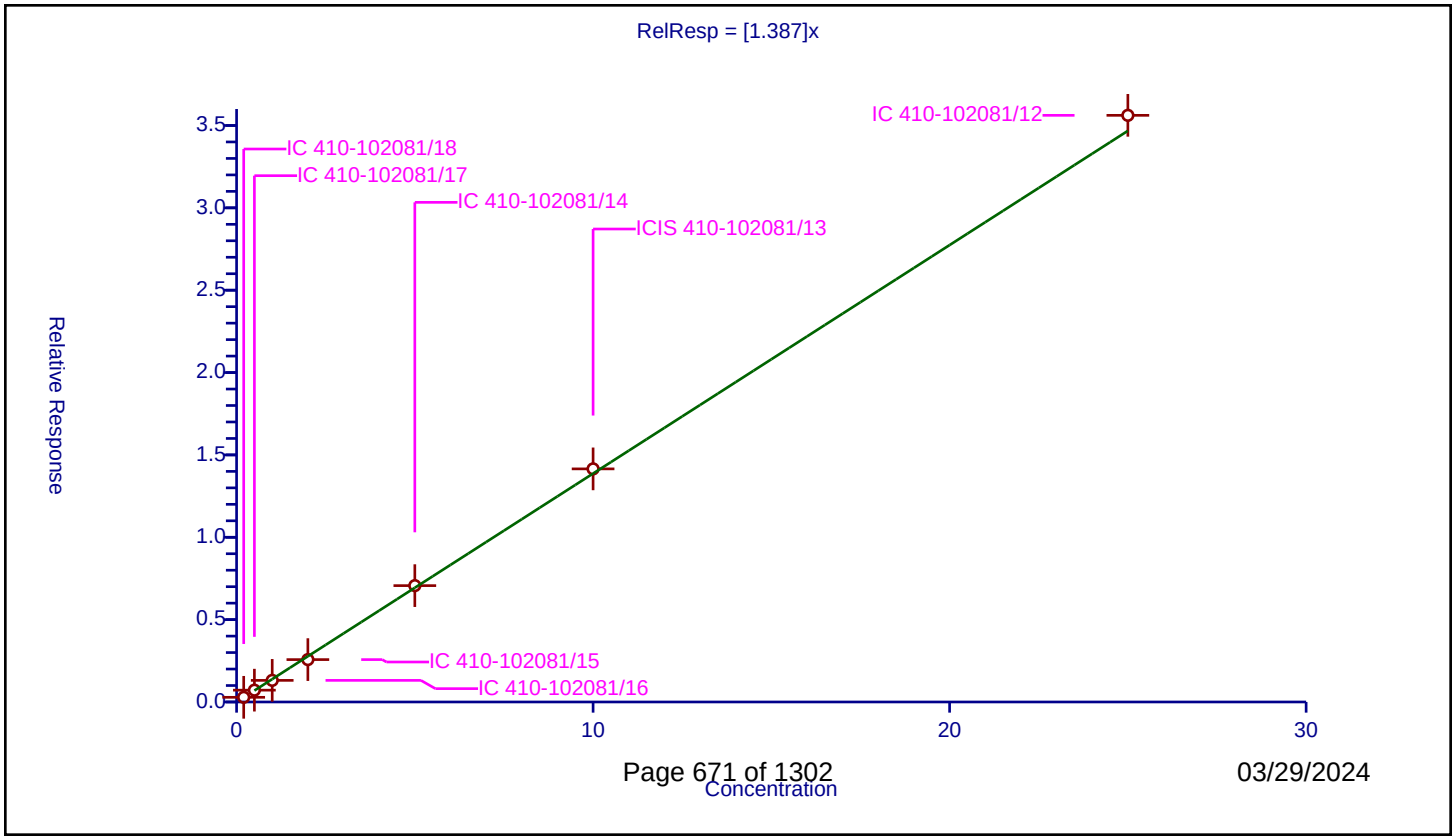
Curve Coefficients

Intercept:	0
Slope:	1.387

Error Coefficients

Standard Error:	1460000
Relative Standard Error:	4.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.284199	10.0	866469.0	1.420997	Y
2	IC 410-102081/17	0.5	0.717897	10.0	872465.0	1.435794	Y
3	IC 410-102081/16	1.0	1.312846	10.0	873073.0	1.312846	Y
4	IC 410-102081/15	2.0	2.573484	10.0	891523.0	1.286742	Y
5	IC 410-102081/14	5.0	7.064263	10.0	894811.0	1.412853	Y
6	ICIS 410-102081/13	10.0	14.152765	10.0	910957.0	1.415276	Y
7	IC 410-102081/12	25.0	35.615548	10.0	918475.0	1.424622	Y



Calibration / Benzyl chloride

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

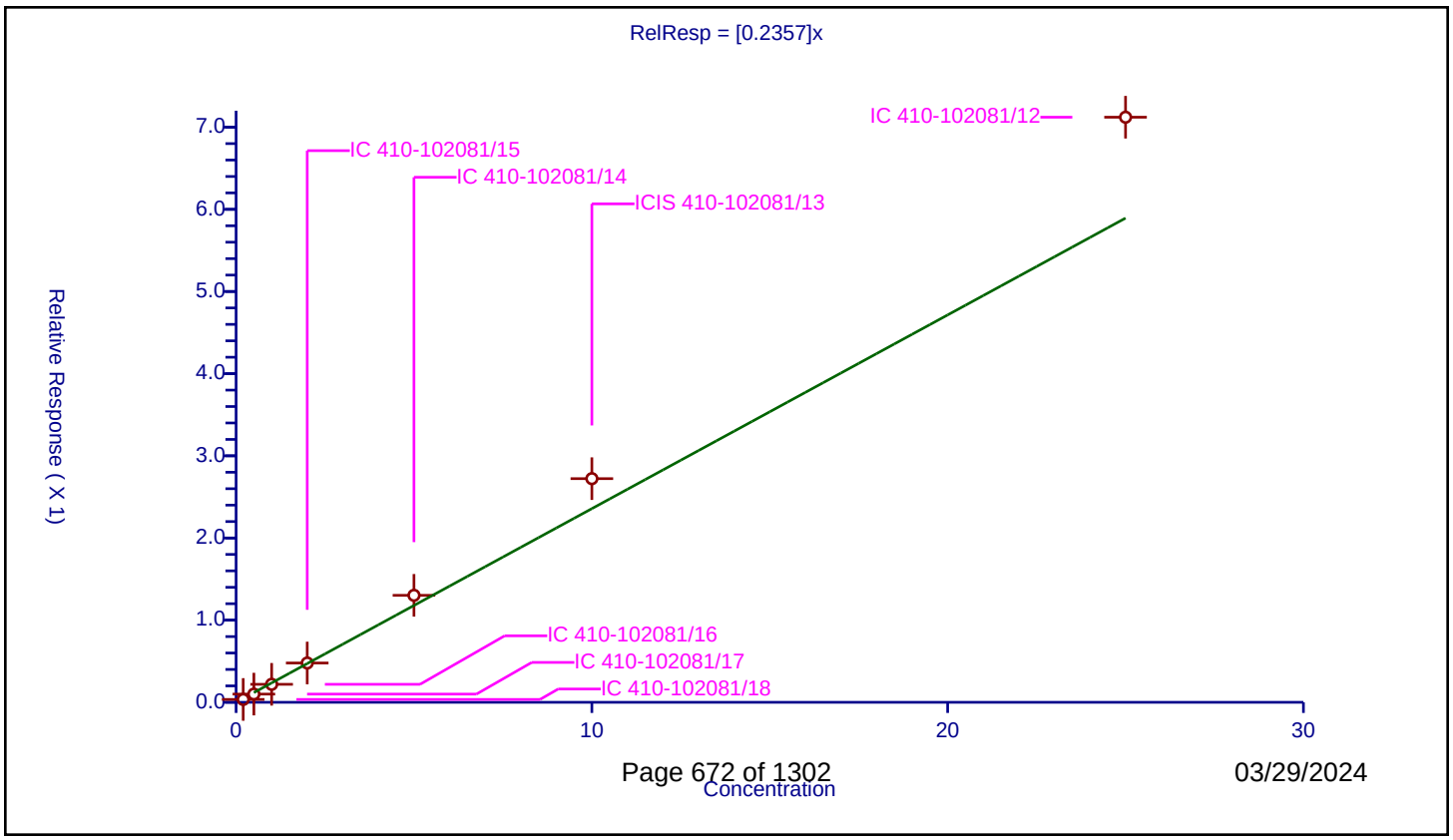
Curve Coefficients

Intercept:	0
Slope:	0.2357

Error Coefficients

Standard Error:	290000
Relative Standard Error:	17.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.0349	10.0	866469.0	0.174501	Y
2	IC 410-102081/17	0.5	0.099855	10.0	872465.0	0.19971	Y
3	IC 410-102081/16	1.0	0.219134	10.0	873073.0	0.219134	Y
4	IC 410-102081/15	2.0	0.478406	10.0	891523.0	0.239203	Y
5	IC 410-102081/14	5.0	1.302275	10.0	894811.0	0.260455	Y
6	ICIS 410-102081/13	10.0	2.722401	10.0	910957.0	0.27224	Y
7	IC 410-102081/12	25.0	7.12125	10.0	918475.0	0.28485	Y



Calibration / n-Butylbenzene

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

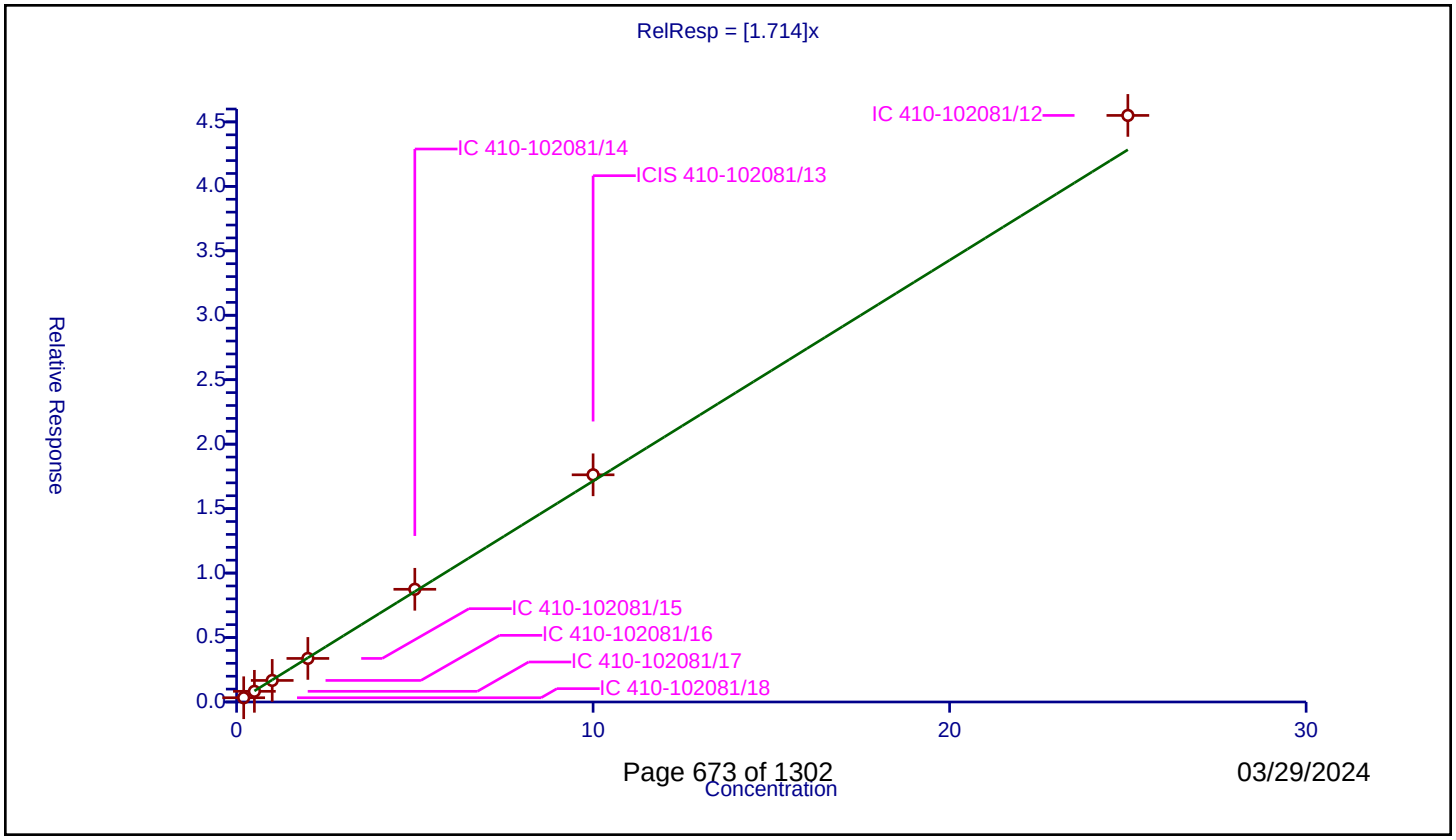
Curve Coefficients

Intercept:	0
Slope:	1.714

Error Coefficients

Standard Error:	1860000
Relative Standard Error:	3.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.329129	10.0	866469.0	1.645645	Y
2	IC 410-102081/17	0.5	0.828285	10.0	872465.0	1.656571	Y
3	IC 410-102081/16	1.0	1.672449	10.0	873073.0	1.672449	Y
4	IC 410-102081/15	2.0	3.379049	10.0	891523.0	1.689525	Y
5	IC 410-102081/14	5.0	8.743601	10.0	894811.0	1.74872	Y
6	ICIS 410-102081/13	10.0	17.624641	10.0	910957.0	1.762464	Y
7	IC 410-102081/12	25.0	45.503078	10.0	918475.0	1.820123	Y



Calibration / 1,2-Dichlorobenzene

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

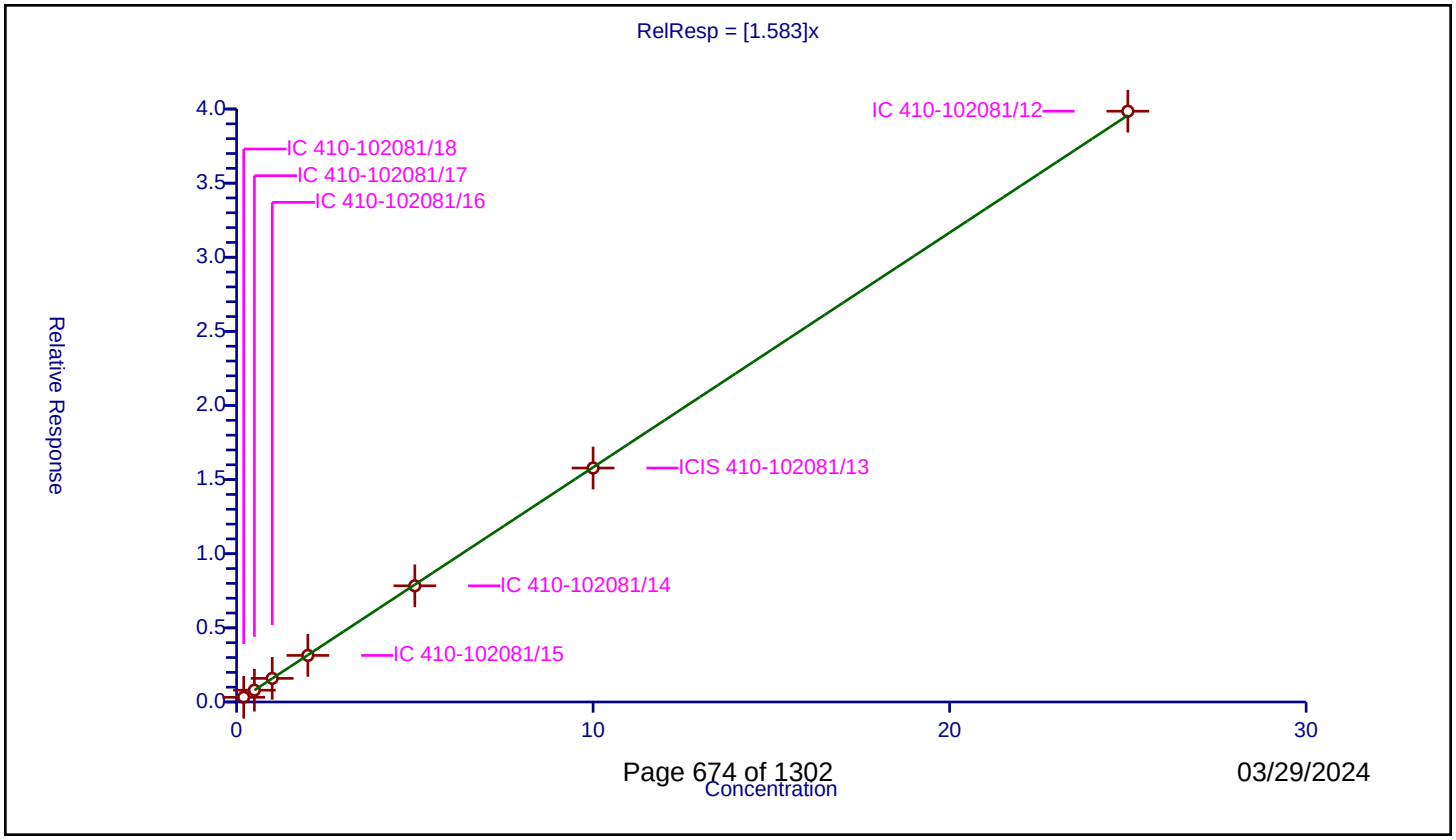
Curve Coefficients

Intercept:	0
Slope:	1.583

Error Coefficients

Standard Error:	1640000
Relative Standard Error:	0.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.317288	10.0	866469.0	1.586439	Y
2	IC 410-102081/17	0.5	0.795803	10.0	872465.0	1.591605	Y
3	IC 410-102081/16	1.0	1.593406	10.0	873073.0	1.593406	Y
4	IC 410-102081/15	2.0	3.141153	10.0	891523.0	1.570576	Y
5	IC 410-102081/14	5.0	7.837163	10.0	894811.0	1.567433	Y
6	ICIS 410-102081/13	10.0	15.78181	10.0	910957.0	1.578181	Y
7	IC 410-102081/12	25.0	39.852418	10.0	918475.0	1.594097	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

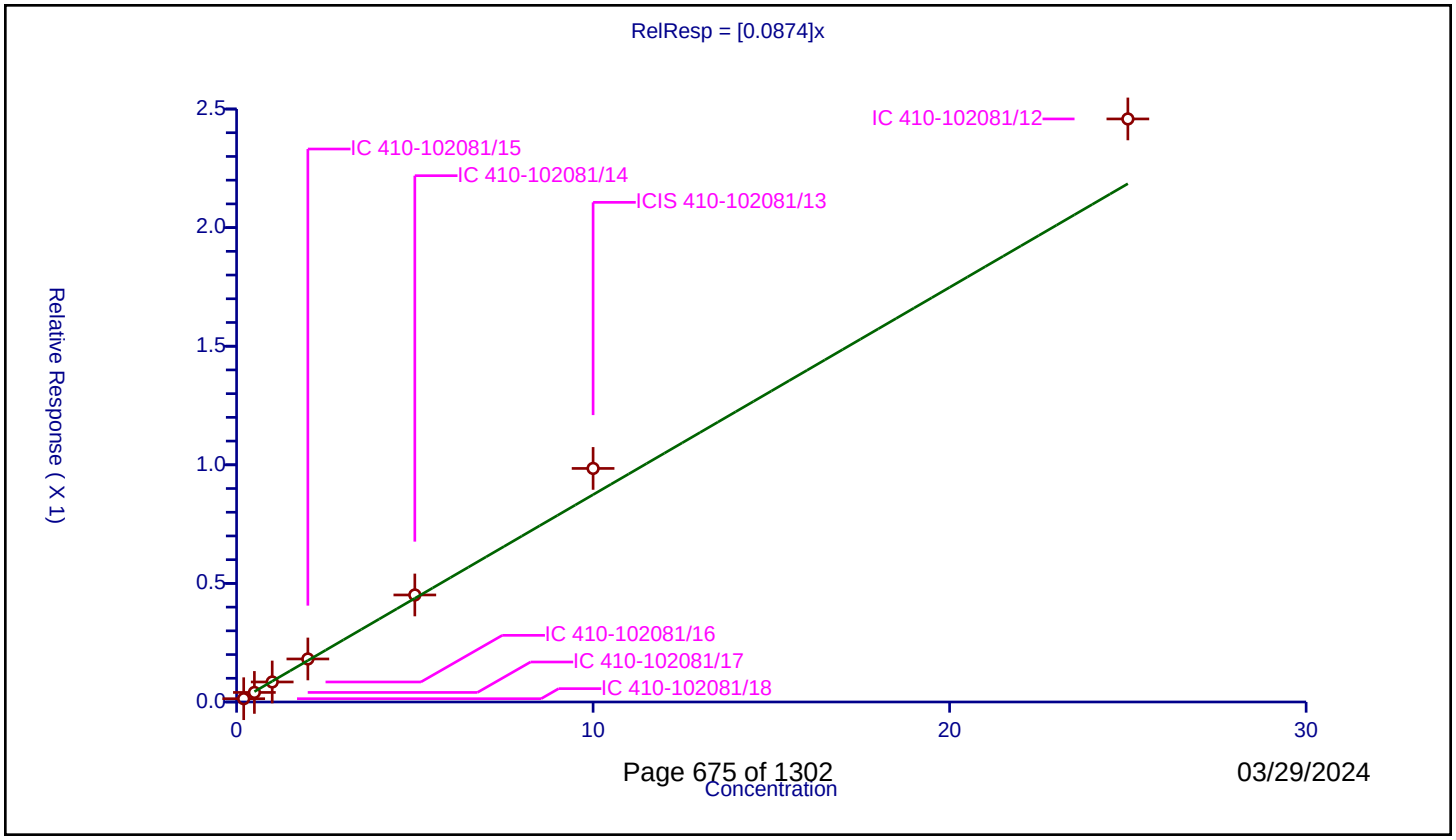
Curve Coefficients

Intercept:	0
Slope:	0.0874

Error Coefficients

Standard Error:	101000
Relative Standard Error:	11.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.013838	10.0	866469.0	0.069189	Y
2	IC 410-102081/17	0.5	0.040277	10.0	872465.0	0.080553	Y
3	IC 410-102081/16	1.0	0.084357	10.0	873073.0	0.084357	Y
4	IC 410-102081/15	2.0	0.181375	10.0	891523.0	0.090688	Y
5	IC 410-102081/14	5.0	0.451235	10.0	894811.0	0.090247	Y
6	ICIS 410-102081/13	10.0	0.984745	10.0	910957.0	0.098474	Y
7	IC 410-102081/12	25.0	2.45814	10.0	918475.0	0.098326	Y



Calibration / 1,3,5-Trichlorobenzene

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

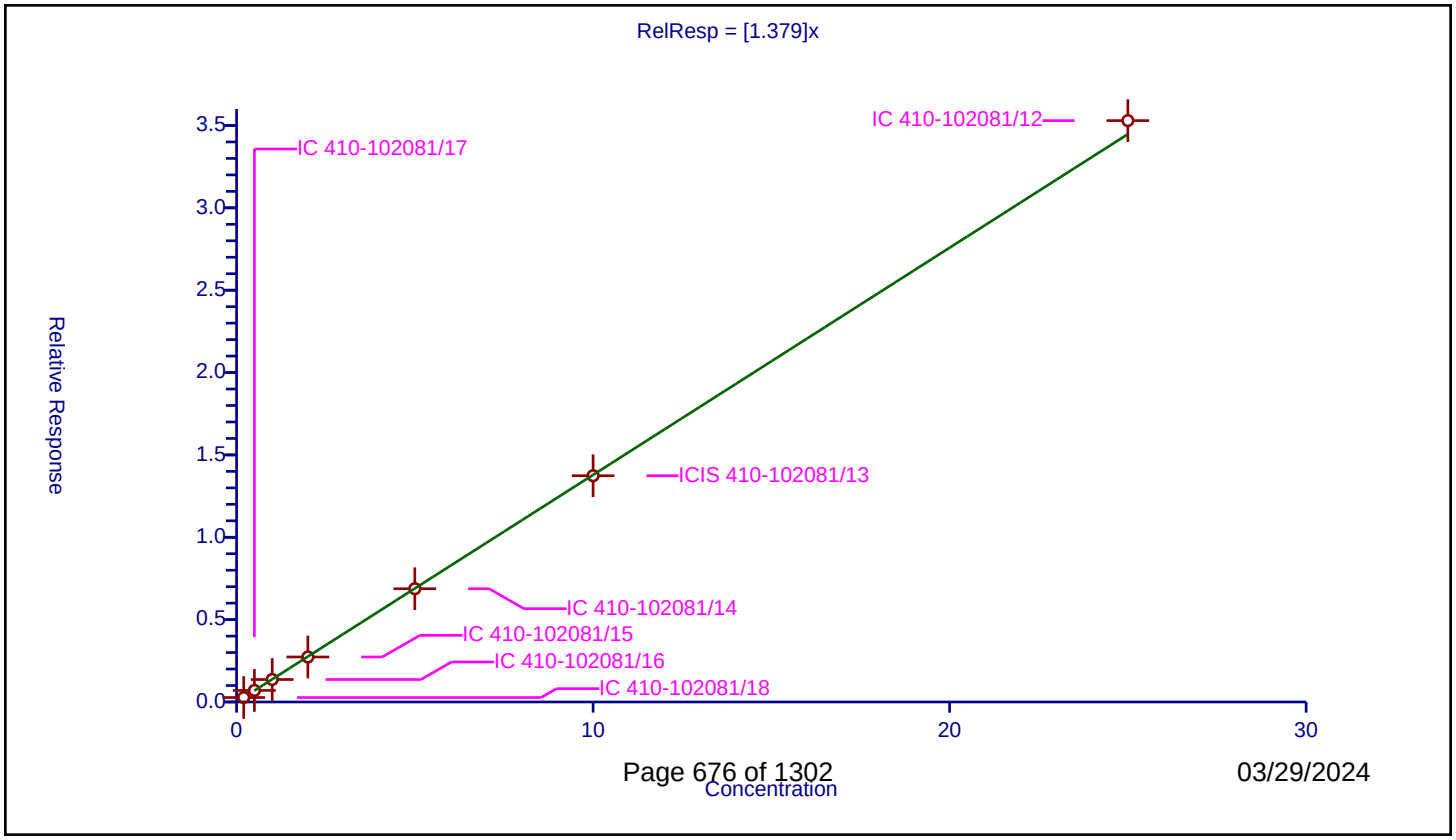
Curve Coefficients

Intercept:	0
Slope:	1.379

Error Coefficients

Standard Error:	1450000
Relative Standard Error:	1.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.2717	10.0	866469.0	1.358502	Y
2	IC 410-102081/17	0.5	0.701644	10.0	872465.0	1.403288	Y
3	IC 410-102081/16	1.0	1.36346	10.0	873073.0	1.36346	Y
4	IC 410-102081/15	2.0	2.732403	10.0	891523.0	1.366201	Y
5	IC 410-102081/14	5.0	6.876558	10.0	894811.0	1.375312	Y
6	ICIS 410-102081/13	10.0	13.736115	10.0	910957.0	1.373611	Y
7	IC 410-102081/12	25.0	35.295865	10.0	918475.0	1.411835	Y



Calibration / 1,2,4-Trichlorobenzene

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

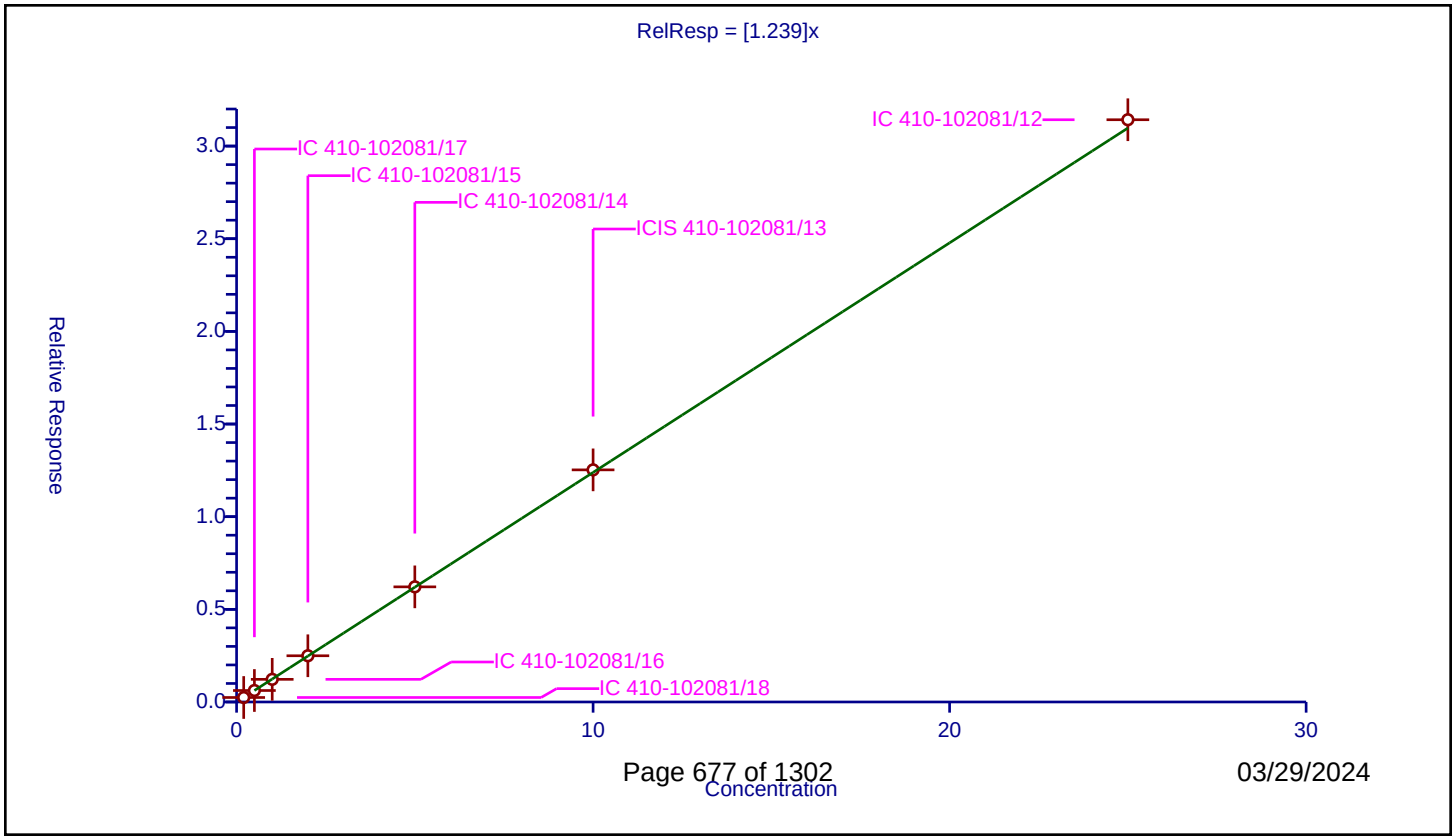
Curve Coefficients

Intercept:	0
Slope:	1.239

Error Coefficients

Standard Error:	1290000
Relative Standard Error:	1.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.241936	10.0	866469.0	1.20968	Y
2	IC 410-102081/17	0.5	0.619956	10.0	872465.0	1.239912	Y
3	IC 410-102081/16	1.0	1.223117	10.0	873073.0	1.223117	Y
4	IC 410-102081/15	2.0	2.494753	10.0	891523.0	1.247377	Y
5	IC 410-102081/14	5.0	6.212954	10.0	894811.0	1.242591	Y
6	ICIS 410-102081/13	10.0	12.526563	10.0	910957.0	1.252656	Y
7	IC 410-102081/12	25.0	31.420942	10.0	918475.0	1.256838	Y



Calibration / Hexachlorobutadiene

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

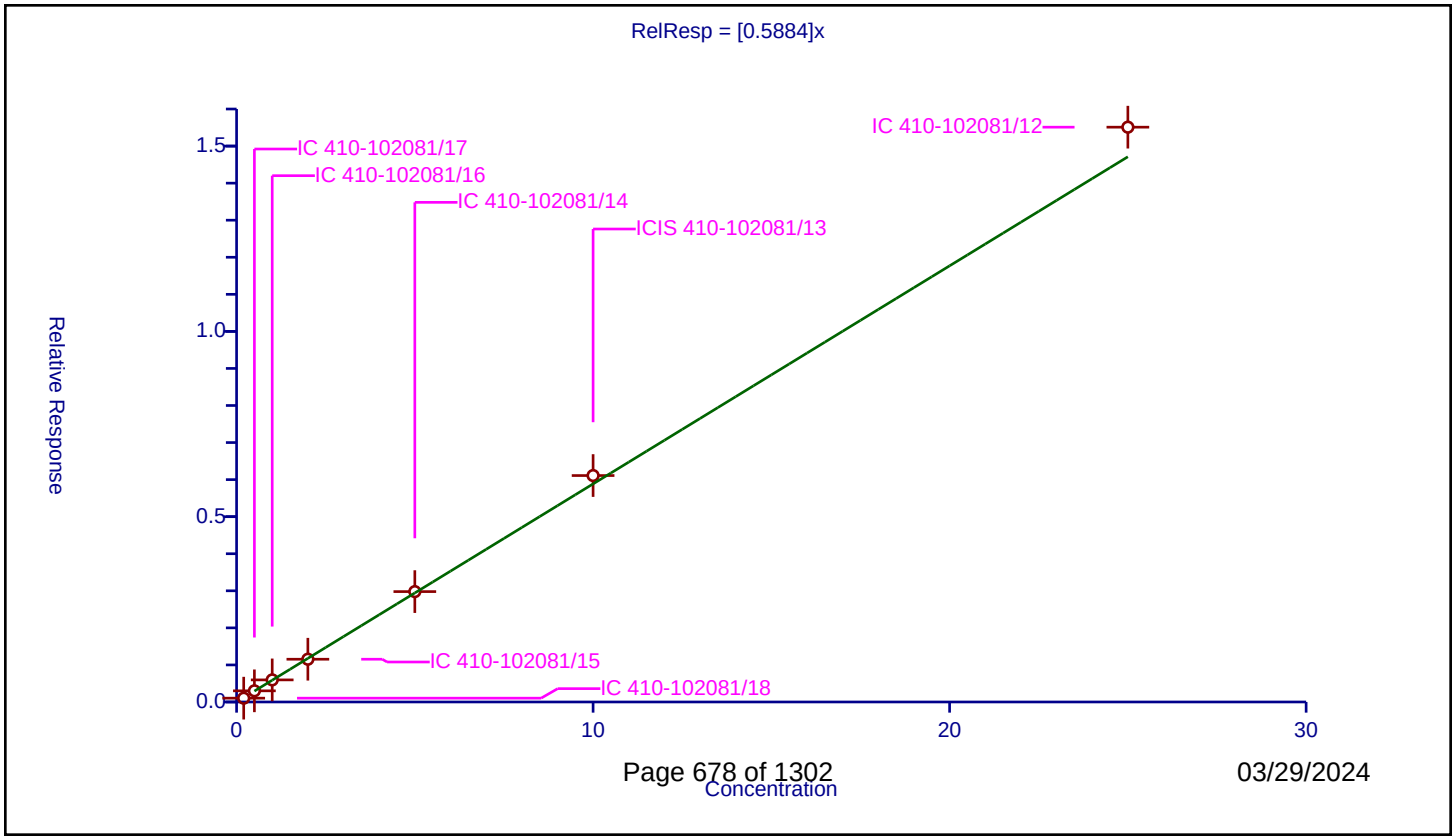
Curve Coefficients

Intercept:	0
Slope:	0.5884

Error Coefficients

Standard Error:	636000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.103374	10.0	866469.0	0.516868	Y
2	IC 410-102081/17	0.5	0.300883	10.0	872465.0	0.601766	Y
3	IC 410-102081/16	1.0	0.596296	10.0	873073.0	0.596296	Y
4	IC 410-102081/15	2.0	1.154092	10.0	891523.0	0.577046	Y
5	IC 410-102081/14	5.0	2.978517	10.0	894811.0	0.595703	Y
6	ICIS 410-102081/13	10.0	6.10974	10.0	910957.0	0.610974	Y
7	IC 410-102081/12	25.0	15.510264	10.0	918475.0	0.620411	Y



Calibration / Naphthalene

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

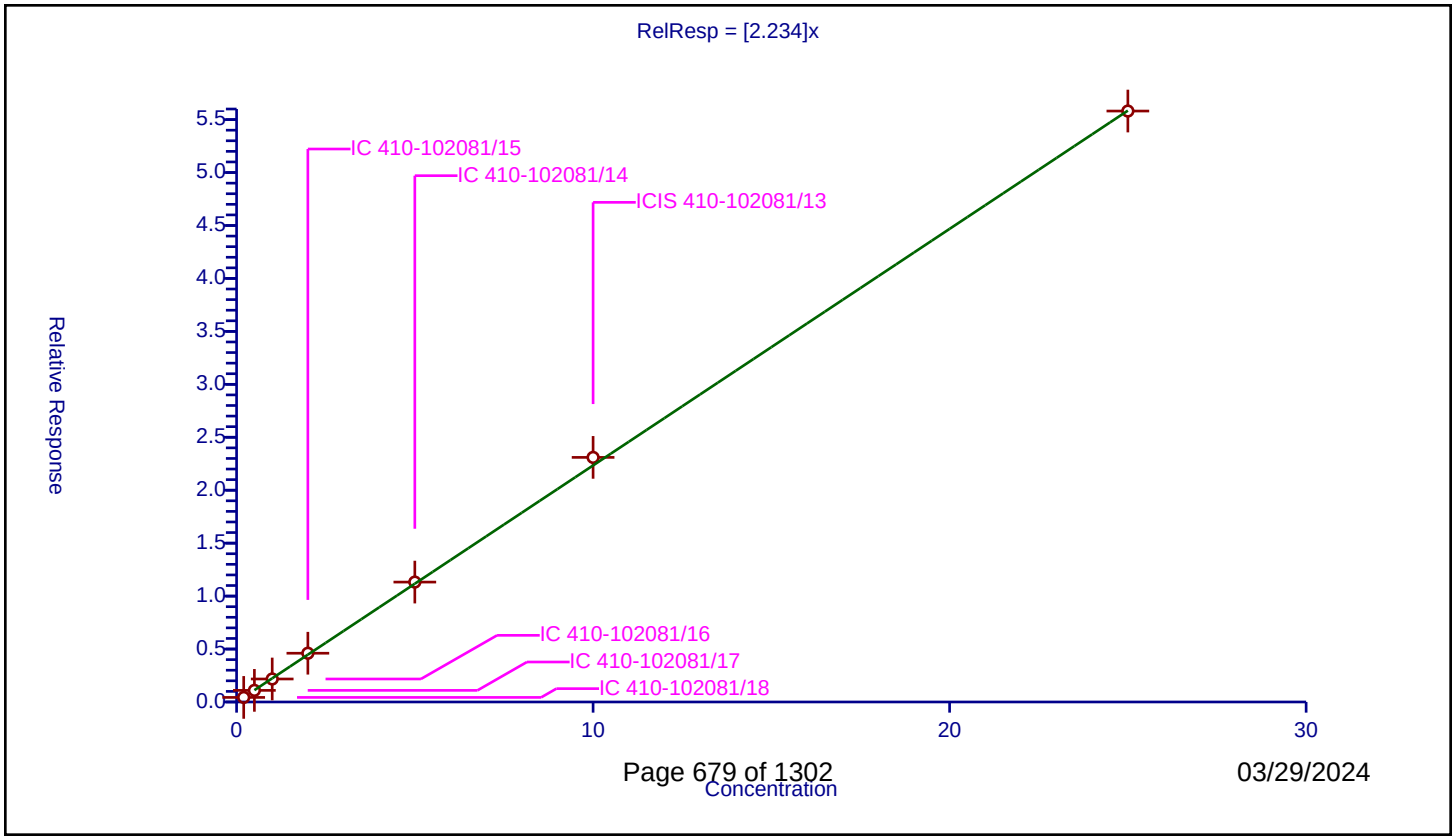
Curve Coefficients

Intercept:	0
Slope:	2.234

Error Coefficients

Standard Error:	2310000
Relative Standard Error:	2.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.43271	10.0	866469.0	2.163551	Y
2	IC 410-102081/17	0.5	1.096594	10.0	872465.0	2.193188	Y
3	IC 410-102081/16	1.0	2.171342	10.0	873073.0	2.171342	Y
4	IC 410-102081/15	2.0	4.60577	10.0	891523.0	2.302885	Y
5	IC 410-102081/14	5.0	11.324235	10.0	894811.0	2.264847	Y
6	ICIS 410-102081/13	10.0	23.098577	10.0	910957.0	2.309858	Y
7	IC 410-102081/12	25.0	55.808117	10.0	918475.0	2.232325	Y



Calibration / 1,2,3-Trichlorobenzene

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

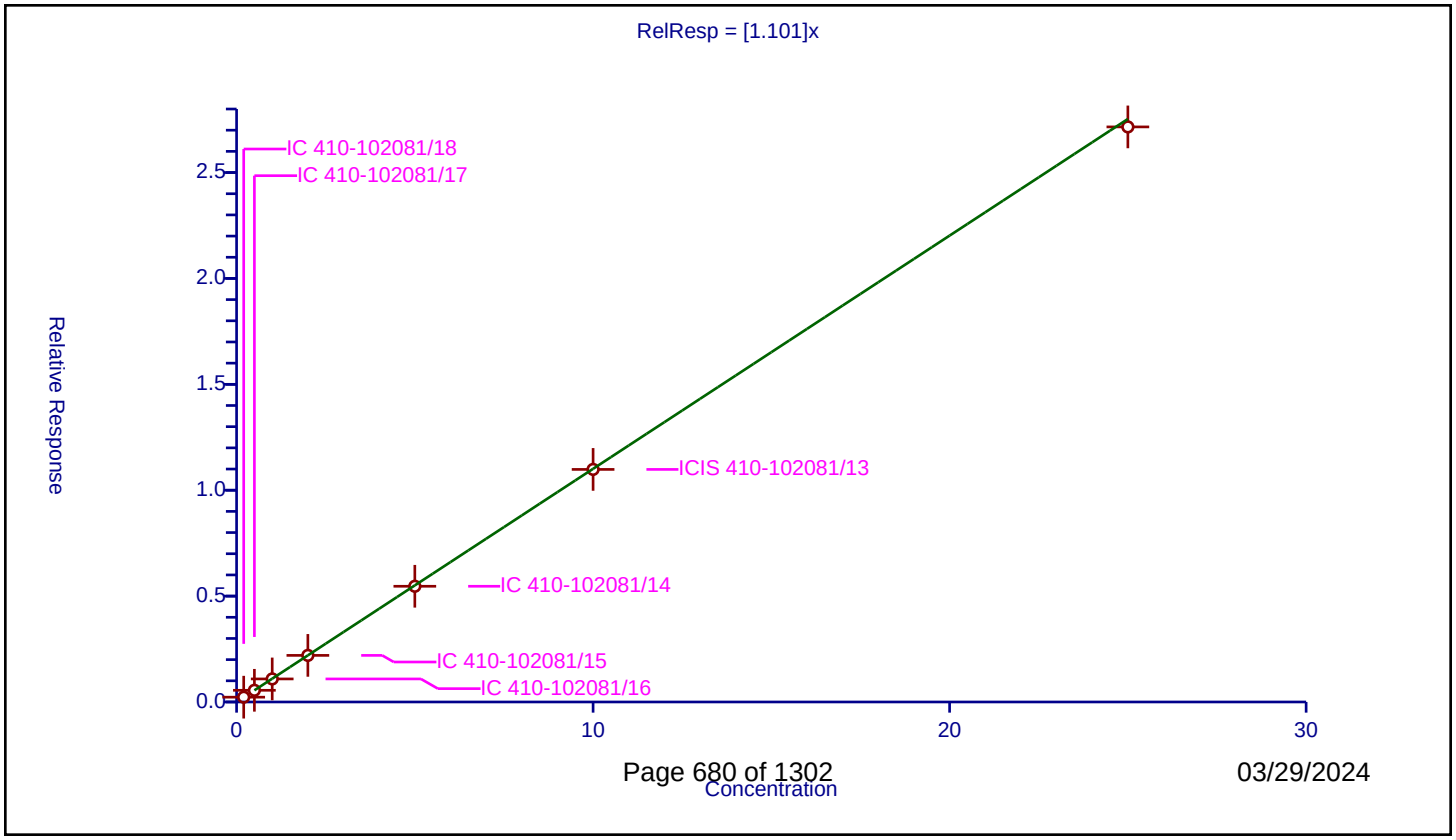
Curve Coefficients

Intercept:	0
Slope:	1.101

Error Coefficients

Standard Error:	1120000
Relative Standard Error:	1.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-102081/18	0.2	0.227648	10.0	866469.0	1.13824	Y
2	IC 410-102081/17	0.5	0.551632	10.0	872465.0	1.103265	Y
3	IC 410-102081/16	1.0	1.088809	10.0	873073.0	1.088809	Y
4	IC 410-102081/15	2.0	2.200336	10.0	891523.0	1.100168	Y
5	IC 410-102081/14	5.0	5.464774	10.0	894811.0	1.092955	Y
6	ICIS 410-102081/13	10.0	10.982549	10.0	910957.0	1.098255	Y
7	IC 410-102081/12	25.0	27.154599	10.0	918475.0	1.086184	Y



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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 452392

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2023 17:46 Calibration End Date: 12/11/2023 19:59 Calibration ID: 56722

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-452392/3	copy_CD11X02.D
Level 2	IC 410-452392/4	CD11X03.D
Level 3	IC 410-452392/5	CD11X04.D
Level 4	IC 410-452392/6	CD11X05.D
Level 5	IC 410-452392/7	CD11X06.D
Level 6	IC 410-452392/8	CD11X07.D
Level 7	IC 410-452392/9	CD11X08.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorodifluoromethane	+++++ 0.3814	0.2329 0.2305	0.3728	0.3454	0.4090	Qua	-0.169	0.5000	-0.010500						0.9990		0.9900
Methoxymethane	0.4245 0.4113	0.3717 0.4132	0.3772	0.4109	0.4633	Ave		0.4103				7.4		20.0			
Acetonitrile	+++++ 0.0149	+++++ 0.0135	0.0170	0.0175	0.0159	Ave		0.0158				10.4		20.0			
Vinyl acetate	0.4062 0.4552	0.3567 0.4510	0.3552	0.4065	0.4370	Ave		0.4097				10.1		20.0			
Ethyl acetate	0.2161 0.1856	0.1630 0.1802	0.1432	0.1706	0.1868	Ave		0.1779				12.7		20.0			
2-Chloroethyl vinyl ether	+++++ 0.1298	0.0699 0.0792	0.1137	0.1201	0.1361	Qua	-0.064	0.1698	-0.003520						1.0000		0.9900
cis-1,4-Dichloro-2-butene	+++++ 0.1134	+++++ 0.0699	0.0959	0.0987	0.1175	Ave		0.0991				18.9		20.0			
Cyclohexanone	0.3325 0.3635	0.3699 0.3550	0.3425	0.3662	0.3847	Ave		0.3592				4.9		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-164764-1 | Analy Batch No.: 452392

SDG No.:

Instrument ID: 10193 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2023 17:46 | Calibration End Date: 12/11/2023 19:59 | Calibration ID: 56722

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-452392/3	copy_CD11X02.D
Level 2	IC 410-452392/4	CD11X03.D
Level 3	IC 410-452392/5	CD11X04.D
Level 4	IC 410-452392/6	CD11X05.D
Level 5	IC 410-452392/7	CD11X06.D
Level 6	IC 410-452392/8	CD11X07.D
Level 7	IC 410-452392/9	CD11X08.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorodifluoromethane	FB	Qua	+++++ 783832	24232 1188050	77252	143502	418317	+++++ 10.0	0.500 25.0	1.00	2.00	5.00
Methoxymethane	FB	Ave	17780 845220	38670 2129157	78147	170700	473845	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetonitrile	FB	Ave	+++++ 152811	+++++ 346570	17601	36351	81522	+++++ 50.0	+++++ 125	5.00	10.0	25.0
Vinyl acetate	FB	Ave	17016 935464	37106 2324162	73590	168870	446945	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl acetate	FB	Ave	9052 381403	16960 928597	29661	70866	191013	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloroethyl vinyl ether	FB	Qua	+++++ 266720	7273 408242	23557	49903	139226	+++++ 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,4-Dichloro-2-butene	CBZd5	Ave	+++++ 364200	+++++ 564638	30960	64130	188049	+++++ 20.0	+++++ 50.0	2.00	4.00	10.00
Cyclohexanone	TBAd10	Ave	10211 477245	24751 1149678	42886	102609	267583	10.00 500	25.0 1250	50.0	100.0	250

Curve Type Legend:

Ave = Average ISTD
Qua = Quadratic ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 452392

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2023 17:46 Calibration End Date: 12/11/2023 19:59 Calibration ID: 56722

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-452392/3	copy_CD11X02.D
Level 2	IC 410-452392/4	CD11X03.D
Level 3	IC 410-452392/5	CD11X04.D
Level 4	IC 410-452392/6	CD11X05.D
Level 5	IC 410-452392/7	CD11X06.D
Level 6	IC 410-452392/8	CD11X07.D
Level 7	IC 410-452392/9	CD11X08.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Chlorodifluoromethane	+++++ -10.1	15.7	11.0	-10.6	-1.2	1.2	30	50	30	30	30	30
Methoxymethane	3.5 0.7	-9.4	-8.1	0.2	12.9	0.2	50 30	30	30	30	30	30
Acetonitrile	+++++ -14.6	+++++	7.9	11.1	1.2	-5.6	30		50	30	30	30
Vinyl acetate	-0.8 10.1	-12.9	-13.3	-0.8	6.7	11.1	50 30	30	30	30	30	30
Ethyl acetate	21.5 1.3	-8.4	-19.5	-4.1	5.0	4.3	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	+++++ -8.0	17.4	6.7	-7.0	-2.5	1.5	30	50	30	30	30	30
cis-1,4-Dichloro-2-butene	+++++ -29.5	+++++	-3.2	-0.4	18.6	14.5	30		50	30	30	30
Cyclohexanone	-7.4 -1.2	3.0	-4.6	1.9	7.1	1.2	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\copy_CD11X02.D
Lims ID: IC STD.2 Sm
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 11-Dec-2023 17:46:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0101546-003
Misc. Info.: IC STD.2 SM
Operator ID: gaw91131 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub43

Method: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 14-Dec-2023 10:49:15 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: DVW2 Date: 12-Dec-2023 14:21:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.787	1.787	0.000	54	5931	0.2000	0.1812	
3 Chlorodifluoromethane	51	1.836	1.836	0.000	97	15949	0.2000	0.4960	
4 Dimethyl ether	45	1.890	1.884	0.006	98	17780	0.2000	0.2069	M
8 2-Chloro-1,1,1-Trifluoroethane	118	2.177	2.183	-0.006	33	12941	0.2000	0.2118	
27 Acetonitrile	41	3.610	3.616	-0.006	22	7454	1.00	2.26	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.866	3.841	0.025	97	153562	50.0	50.0	
38 Vinyl acetate	43	4.853	4.859	-0.006	96	17016	0.2000	0.1983	
46 Ethyl acetate	43	5.780	5.762	0.018	94	9052	0.2000	0.2429	M
63 Isopropyl acetate	43	7.030	7.024	0.006	98	15882	0.2000	0.1994	
* 65 Fluorobenzene (IS)	96	7.334	7.328	0.006	99	2094331	10.0	10.0	
75 n-Propyl acetate	61	8.353	8.353	0.000	98	3326	0.2000	0.1931	
79 2-Chloroethyl vinyl ether	63	8.901	8.901	0.000	91	4414	0.2000	0.5034	
109 n-Butyl acetate	43	10.364	10.358	0.006	97	15603	0.2000	0.2087	
* 111 Chlorobenzene-d5 (IS)	117	10.950	10.944	0.006	85	1627599	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.895	11.895	0.000	96	6163	0.4000	0.3821	
123 Cyclohexanone	55	11.919	11.919	0.000	89	10211	10.0	9.26	
* 139 1,4-Dichlorobenzene-d4	152	12.888	12.882	0.006	94	938102	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00031	Amount Added:	0.20	Units: uL
MSV_V_SMRV4_00065	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00007	Amount Added:	1.60	Units: uL
MSV_HP29_ISO_00004	Amount Added:	1.00	Units: uL
MSV_DME_00050	Amount Added:	0.20	Units: uL

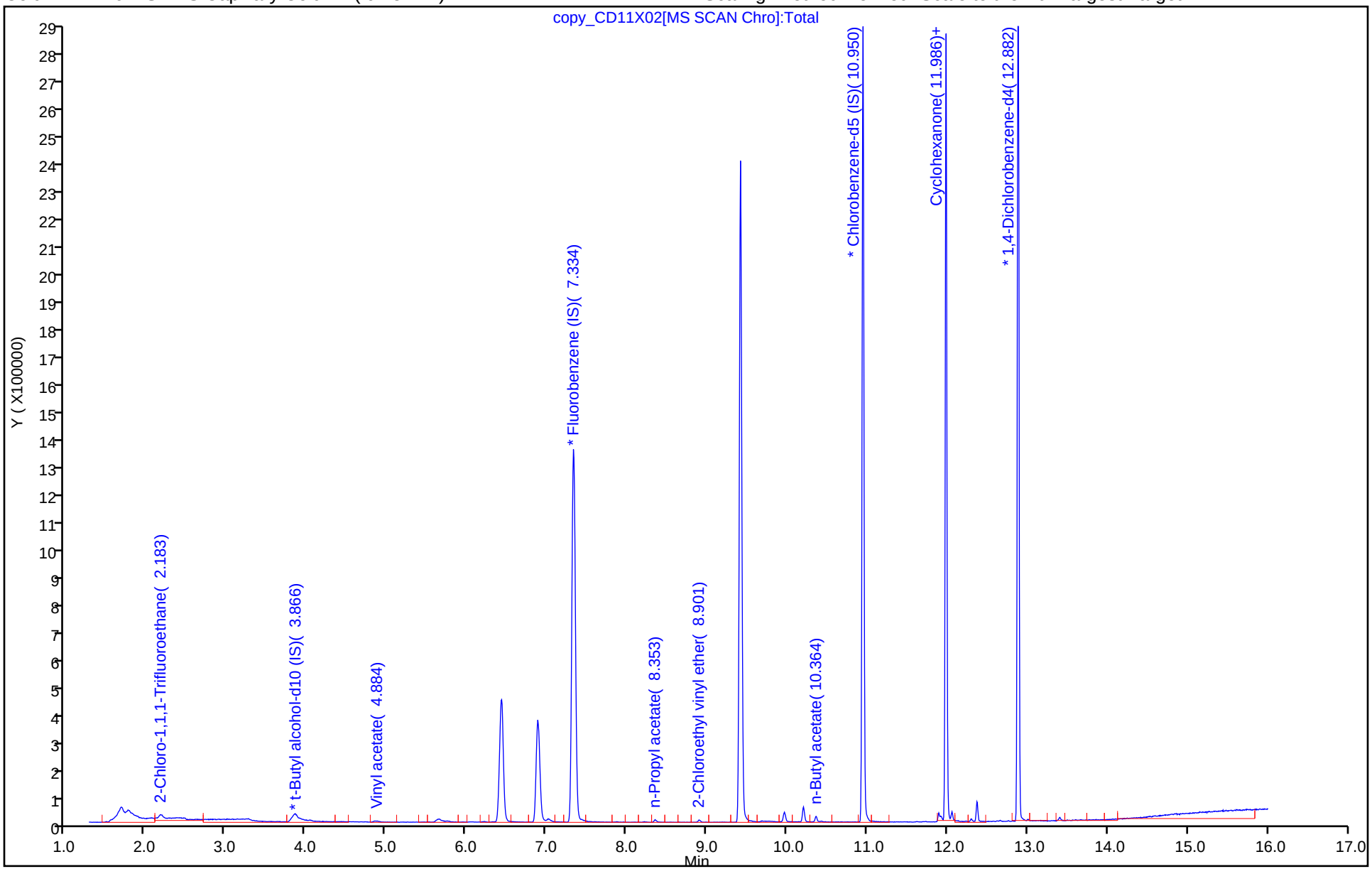
Report Date: 14-Dec-2023 10:49:15 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\copy_CD11X02.D

Injection Date:	11-Dec-2023 17:46:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	IC STD.2 Sm			Worklist Smp#:	3
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

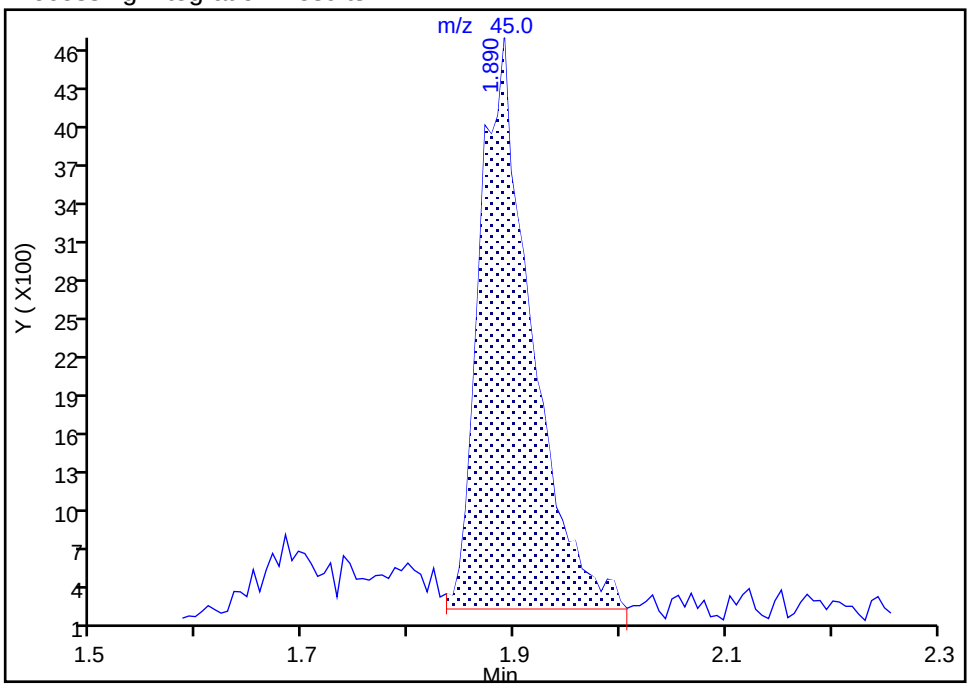
Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\copy_CD11X02.D
Injection Date: 11-Dec-2023 17:46:30 Instrument ID: 10193
Lims ID: IC STD.2 Sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

4 Dimethyl ether, CAS: 115-10-6

Signal: 1

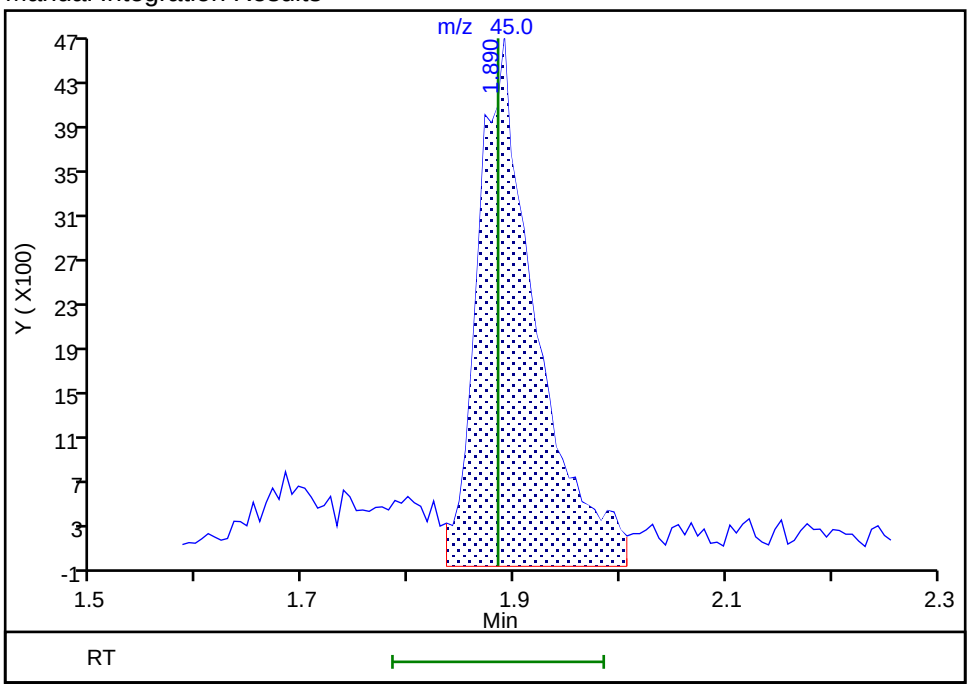
Processing Integration Results

RT: 1.89
Area: 15028
Amount: 0.000412
Amount Units: ug/l



Manual Integration Results

RT: 1.89
Area: 17780
Amount: 0.206920
Amount Units: ug/l



Reviewer: DVW2, 12-Dec-2023 10:42:19 -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

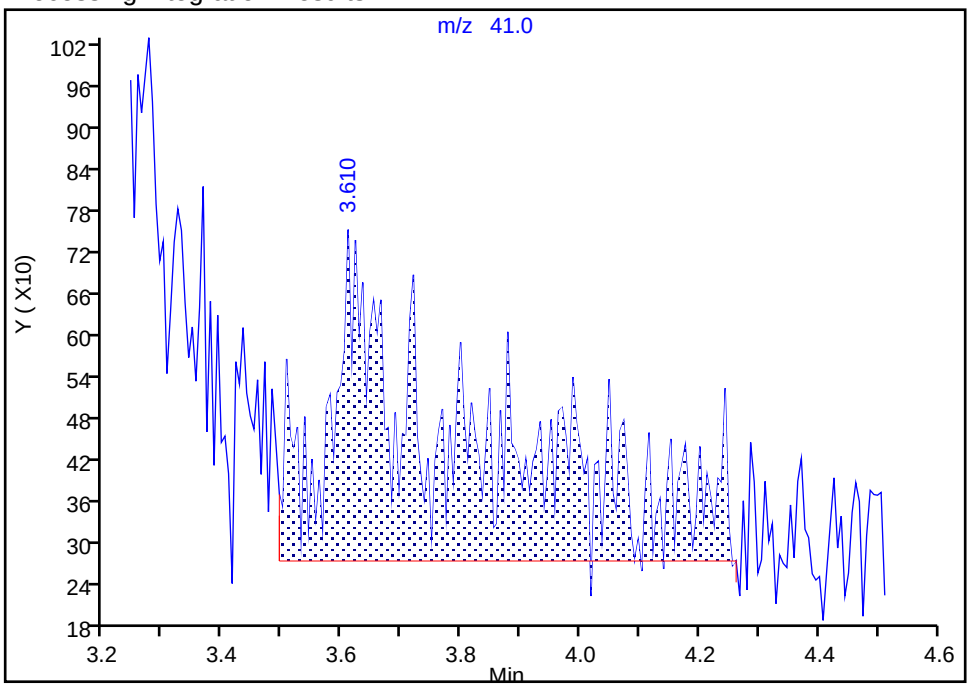
Data File:	\\chromfs\Lancaster\ChromData\10193\20231211-101546.b\copy_CD11X02.D				
Injection Date:	11-Dec-2023 17:46:30	Instrument ID:	10193		
Lims ID:	IC STD.2 Sm				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

27 Acetonitrile, CAS: 75-05-8

Signal: 1

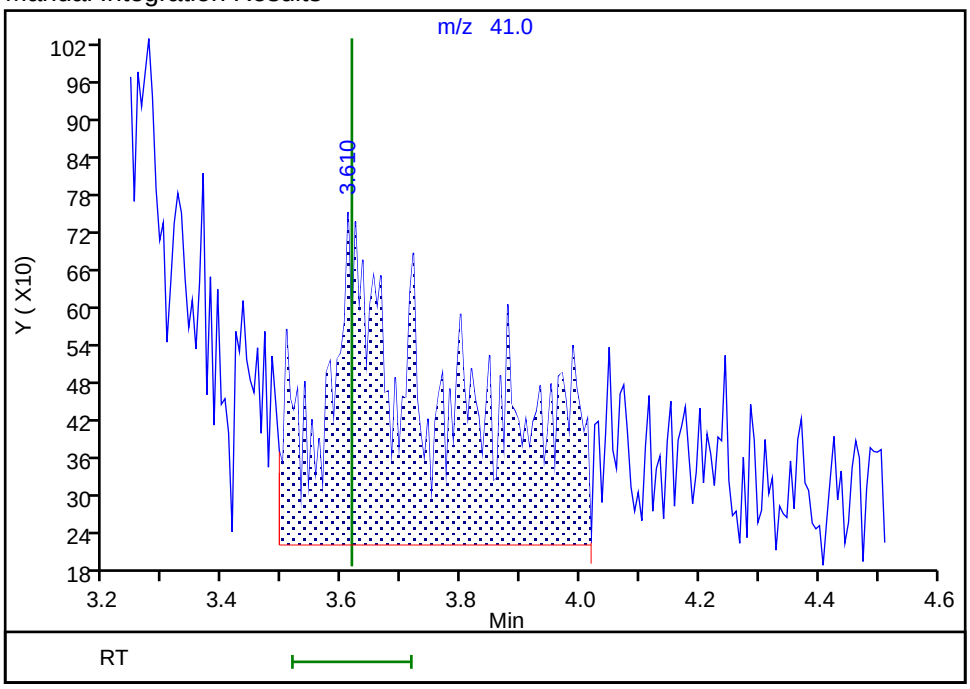
Processing Integration Results

RT: 3.61
Area: 7121
Amount: 1.633351
Amount Units: ug/l



Manual Integration Results

RT: 3.61
Area: 7454
Amount: 2.259674
Amount Units: ug/l



Reviewer: DVW2, 12-Dec-2023 12:21:01 -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

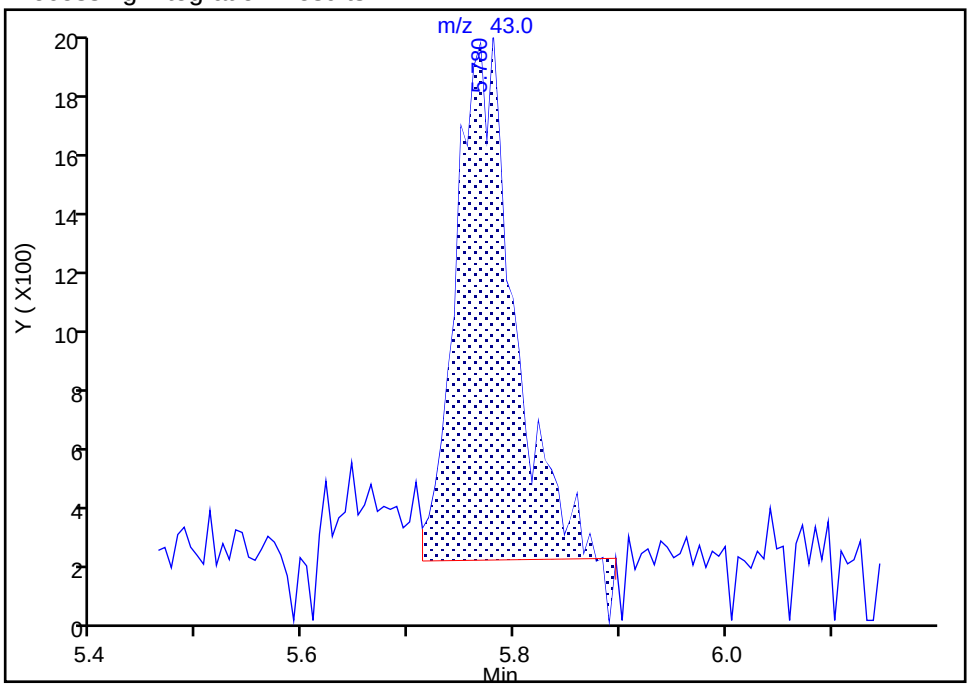
Data File:	\\chromfs\Lancaster\ChromData\10193\20231211-101546.b\copy_CD11X02.D				
Injection Date:	11-Dec-2023 17:46:30	Instrument ID:	10193		
Lims ID:	IC STD.2 Sm				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

46 Ethyl acetate, CAS: 141-78-6

Signal: 1

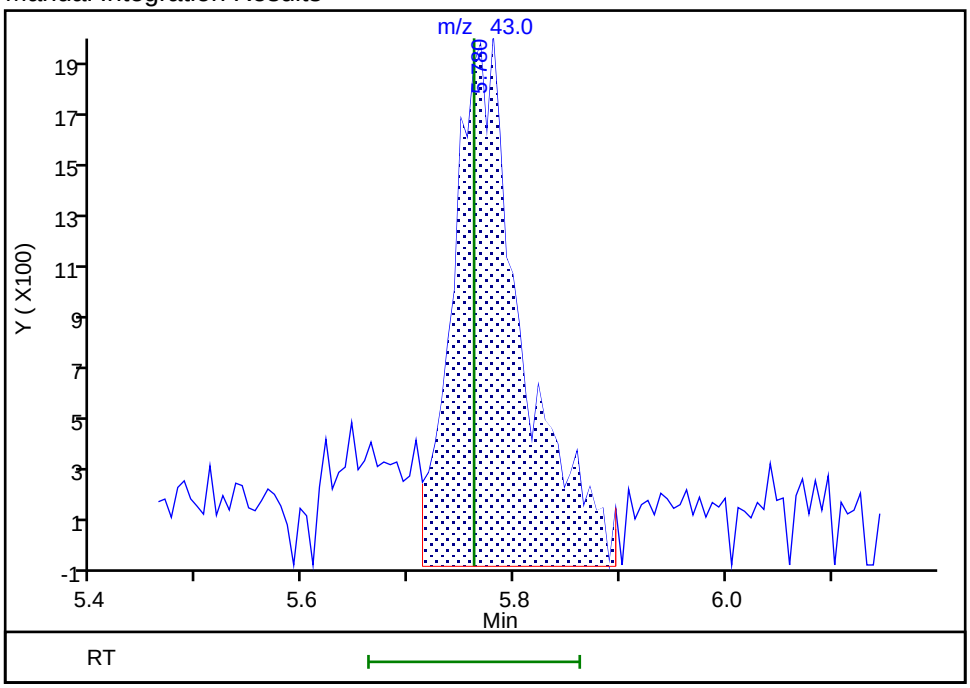
Processing Integration Results

RT: 5.78
Area: 6665
Amount: -0.743982
Amount Units: ug/l



Manual Integration Results

RT: 5.78
Area: 9052
Amount: 0.242931
Amount Units: ug/l



Reviewer: DVW2, 12-Dec-2023 10:42:35 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X03.D
Lims ID: IC STD.5 Sm
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-Dec-2023 18:08:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0101546-004
Misc. Info.: IC STD.5 SM
Operator ID: gaw91131 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub43

Method: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 14-Dec-2023 10:49:19 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: DVW2 Date: 12-Dec-2023 10:43:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.781	1.787	-0.006	76	10071	0.5000	0.3097	
3 Chlorodifluoromethane	51	1.835	1.836	-0.001	97	24232	0.5000	0.5785	
4 Dimethyl ether	45	1.878	1.884	-0.006	97	38670	0.5000	0.4530	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.183	2.183	0.000	38	20406	0.5000	0.3361	
27 Acetonitrile	41	3.622	3.616	0.006	70	12210	2.50	3.73	
* 31 t-Butyl alcohol-d10 (IS)	65	3.853	3.841	0.012	97	133812	50.0	50.0	
38 Vinyl acetate	43	4.859	4.859	0.000	98	37106	0.5000	0.4353	
46 Ethyl acetate	43	5.755	5.762	-0.007	98	16960	0.5000	0.4582	
63 Isopropyl acetate	43	7.023	7.024	-0.001	98	36368	0.5000	0.4597	
* 65 Fluorobenzene (IS)	96	7.334	7.328	0.006	99	2080638	10.0	10.0	
75 n-Propyl acetate	61	8.359	8.353	0.006	98	7902	0.5000	0.4618	
79 2-Chloroethyl vinyl ether	63	8.901	8.901	0.000	92	7273	0.5000	0.5870	
109 n-Butyl acetate	43	10.364	10.358	0.006	97	35662	0.5000	0.4804	
* 111 Chlorobenzene-d5 (IS)	117	10.950	10.944	0.006	85	1616304	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.894	11.895	-0.001	97	9384	1.00	0.5858	
123 Cyclohexanone	55	11.919	11.919	0.000	91	24751	25.0	25.7	
* 139 1,4-Dichlorobenzene-d4	152	12.888	12.882	0.006	94	918135	10.0	10.0	

QC Flag Legend
Processing Flags

Reagents:

MSV_CCV_V5ACE_00031	Amount Added:	0.50	Units: uL
MSV_CCV_CYC_00007	Amount Added:	4.00	Units: uL
MSV_V_SMRV4_00065	Amount Added:	2.50	Units: uL
MSV_HP29_ISO_00004	Amount Added:	1.00	Units: uL
MSV_DME_00050	Amount Added:	0.50	Units: uL

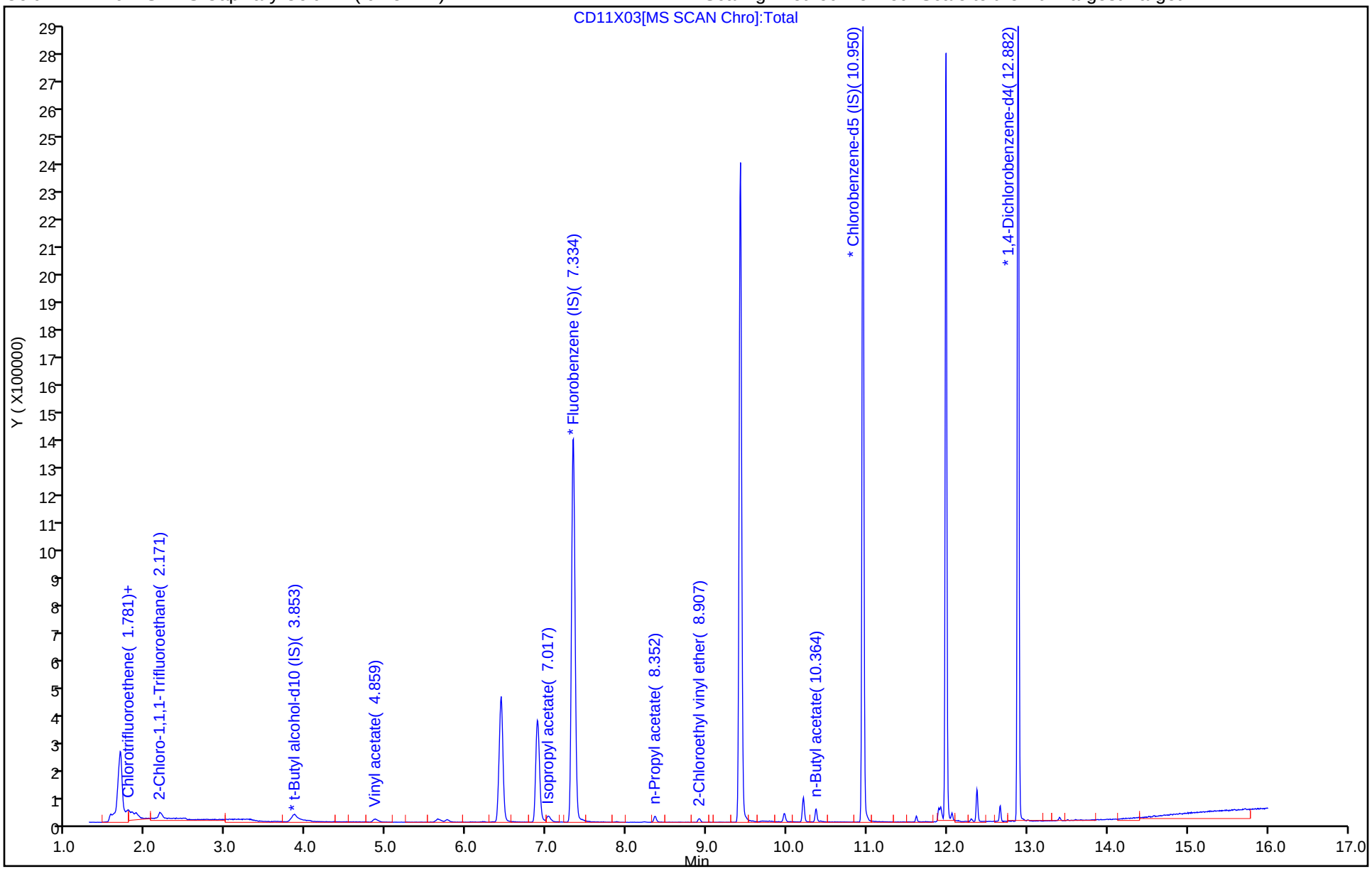
Report Date: 14-Dec-2023 10:49:19 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X03.D

Injection Date:	11-Dec-2023 18:08:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	IC STD.5 Sm			Worklist Smp#:	4
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X04.D
Lims ID: IC STD1 Sm
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 11-Dec-2023 18:30:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0101546-005
Misc. Info.: IC STD1 SM
Operator ID: gaw91131 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub43

Method: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 14-Dec-2023 10:49:23 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: DVW2 Date: 12-Dec-2023 10:44:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.781	1.787	-0.006	93	36512	1.00	1.13	
3 Chlorodifluoromethane	51	1.836	1.836	0.000	97	77252	1.00	1.11	
4 Dimethyl ether	45	1.884	1.884	0.000	100	78147	1.00	0.9192	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.177	2.183	-0.006	34	65433	1.00	1.08	
27 Acetonitrile	41	3.616	3.616	0.000	19	17601	5.00	5.39	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.847	3.841	0.006	97	125206	50.0	50.0	
38 Vinyl acetate	43	4.853	4.859	-0.006	97	73590	1.00	0.8669	
46 Ethyl acetate	43	5.756	5.762	-0.006	99	29661	1.00	0.8046	
63 Isopropyl acetate	43	7.017	7.024	-0.007	98	69225	1.00	0.8787	
* 65 Fluorobenzene (IS)	96	7.328	7.328	0.000	99	2072020	10.0	10.0	
75 n-Propyl acetate	61	8.353	8.353	0.000	99	14598	1.00	0.8567	
79 2-Chloroethyl vinyl ether	63	8.901	8.901	0.000	91	23557	1.00	1.07	
109 n-Butyl acetate	43	10.364	10.358	0.006	98	63697	1.00	0.8595	
* 111 Chlorobenzene-d5 (IS)	117	10.950	10.944	0.006	85	1613447	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.895	11.895	0.000	97	30960	2.00	1.94	
123 Cyclohexanone	55	11.919	11.919	0.000	91	42886	50.0	47.7	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	923738	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00031	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00007	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00065	Amount Added:	5.00	Units: uL
MSV_HP29_ISO_00004	Amount Added:	1.00	Units: uL
MSV_DME_00050	Amount Added:	1.00	Units: uL

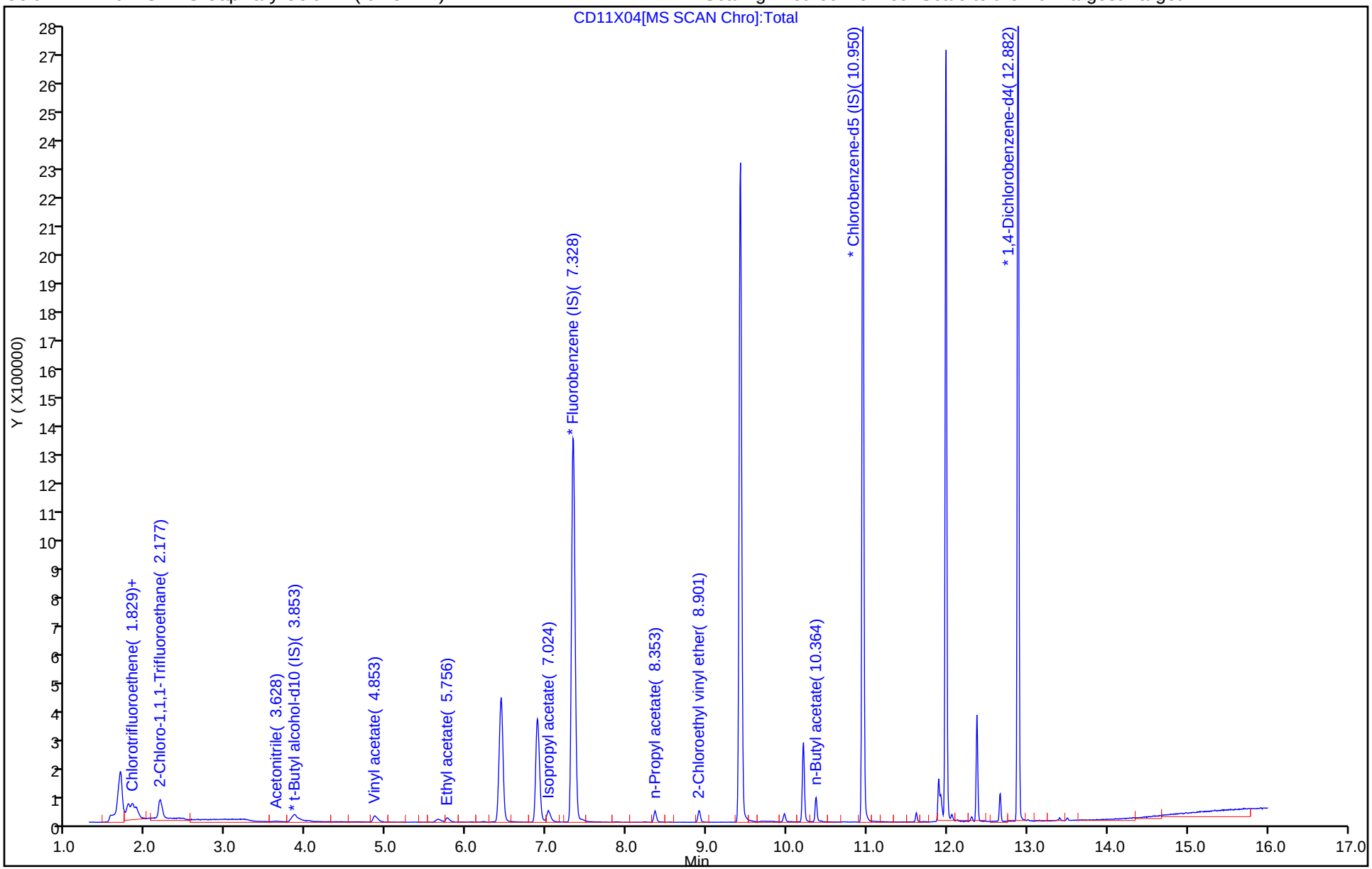
Report Date: 14-Dec-2023 10:49:23 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X04.D

Injection Date:	11-Dec-2023 18:30:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	IC STD1 Sm			Worklist Smp#:	5
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

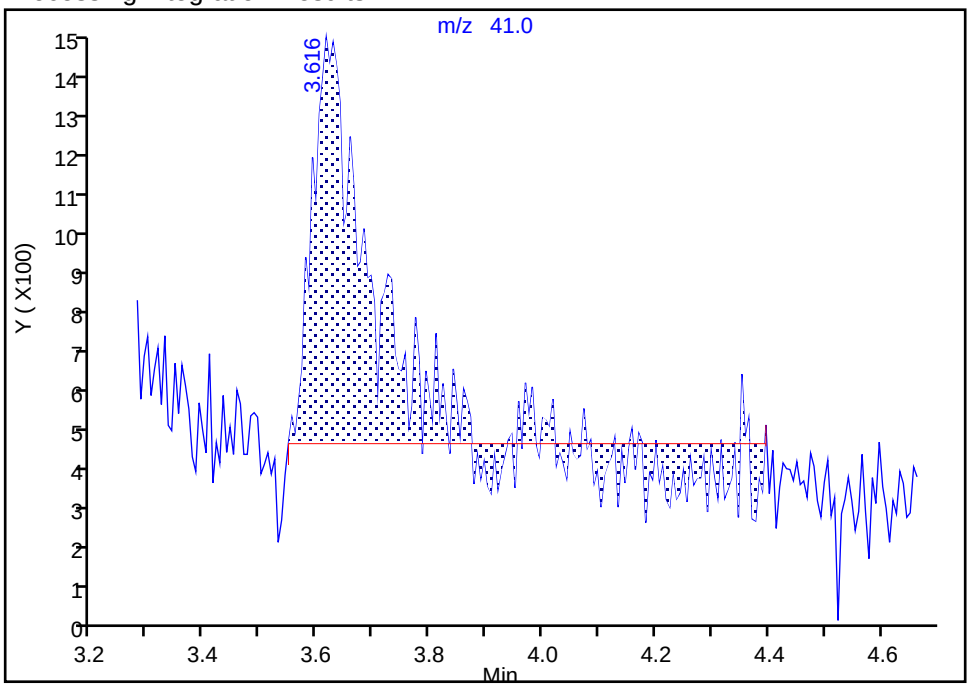
Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X04.D
Injection Date: 11-Dec-2023 18:30:30 Instrument ID: 10193
Lims ID: IC STD1 Sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

27 Acetonitrile, CAS: 75-05-8

Signal: 1

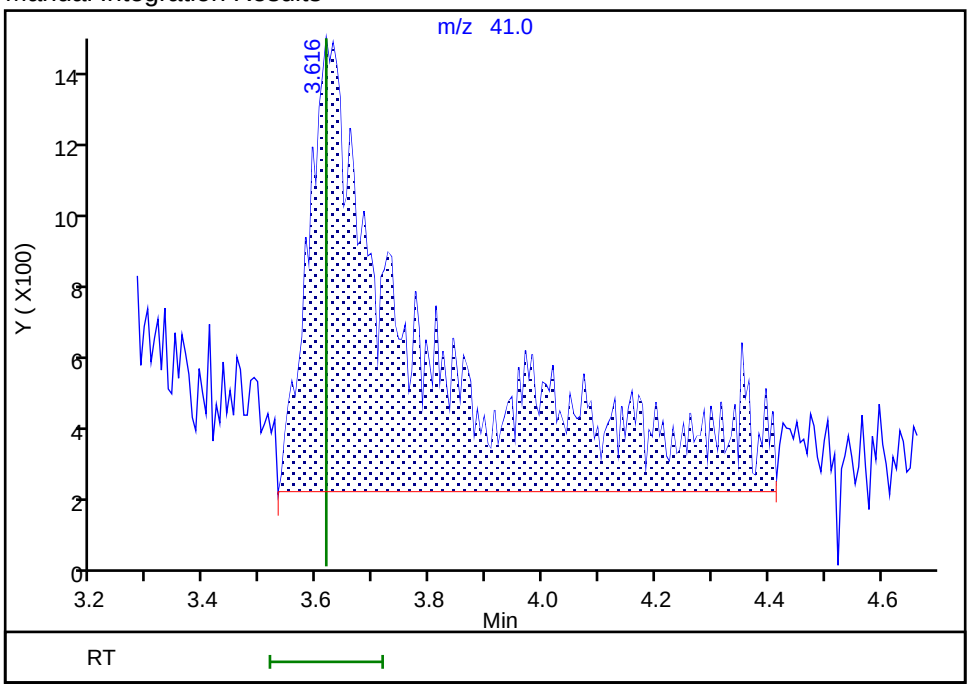
RT: 3.62
Area: 5208
Amount: 1.326132
Amount Units: ug/l

Processing Integration Results



Manual Integration Results

RT: 3.62
Area: 17601
Amount: 5.393182
Amount Units: ug/l



Reviewer: UKEK, 14-Dec-2023 10:33:34 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Other

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X05.D
Lims ID: IC STD2 Sm
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 11-Dec-2023 18:52:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0101546-006
Misc. Info.: IC STD2 SM
Operator ID: gaw91131 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub43

Method: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 14-Dec-2023 10:49:25 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: DVW2 Date: 12-Dec-2023 10:45:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.787	1.787	0.000	94	67369	2.00	2.08	
3 Chlorodifluoromethane	51	1.835	1.836	-0.001	97	143502	2.00	1.79	
4 Dimethyl ether	45	1.878	1.884	-0.006	99	170700	2.00	2.00	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.177	2.183	-0.006	34	129526	2.00	2.14	
27 Acetonitrile	41	3.609	3.616	-0.007	96	36351	10.0	11.1	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.859	3.841	0.018	97	140109	50.0	50.0	
38 Vinyl acetate	43	4.853	4.859	-0.006	97	168870	2.00	1.98	
46 Ethyl acetate	43	5.762	5.762	0.000	99	70866	2.00	1.92	
63 Isopropyl acetate	43	7.023	7.024	-0.001	98	151702	2.00	1.92	
* 65 Fluorobenzene (IS)	96	7.328	7.328	0.000	99	2077092	10.0	10.0	
75 n-Propyl acetate	61	8.352	8.353	-0.001	99	33488	2.00	1.96	
79 2-Chloroethyl vinyl ether	63	8.901	8.901	0.000	92	49903	2.00	1.86	
109 n-Butyl acetate	43	10.358	10.358	0.000	98	143802	2.00	1.93	
* 111 Chlorobenzene-d5 (IS)	117	10.950	10.944	0.006	85	1623854	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.894	11.895	-0.001	97	64130	4.00	3.98	
123 Cyclohexanone	55	11.919	11.919	0.000	92	102609	100.0	101.9	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	930962	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00031	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00007	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00065	Amount Added:	5.00	Units: uL
MSV_HP29_ISO_00004	Amount Added:	1.00	Units: uL
MSV_DME_00050	Amount Added:	1.00	Units: uL

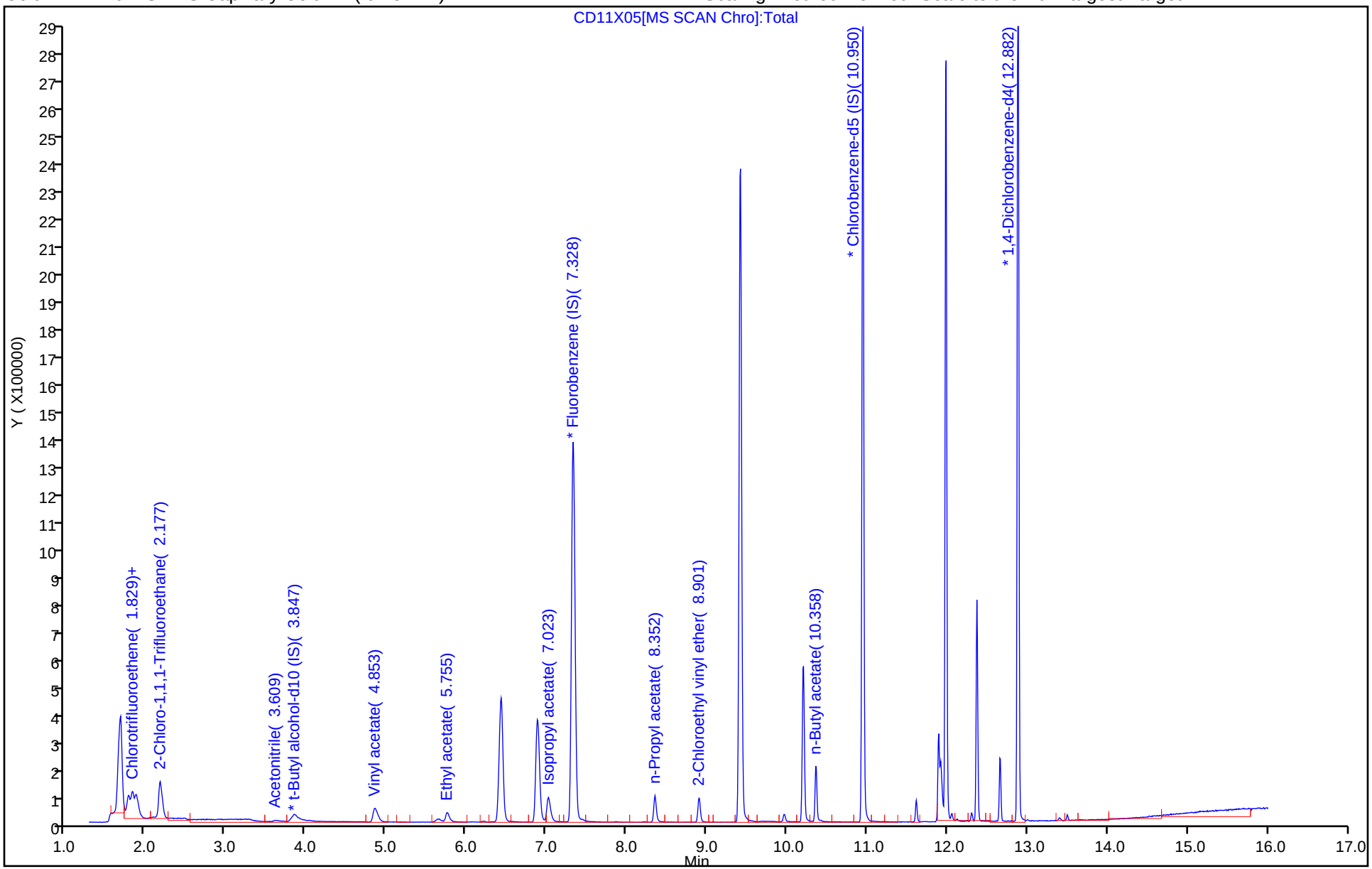
Report Date: 14-Dec-2023 10:49:26 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X05.D

Injection Date:	11-Dec-2023 18:52:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	IC STD2 Sm			Worklist Smp#:	6
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

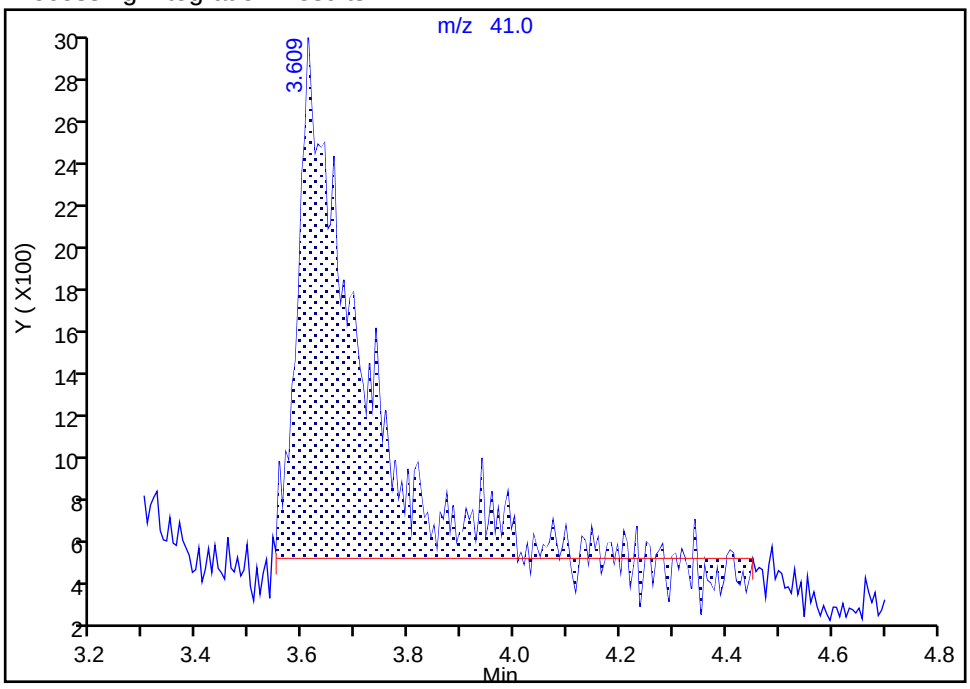
Data File:	\\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X05.D				
Injection Date:	11-Dec-2023 18:52:30	Instrument ID:	10193		
Lims ID:	IC STD2 Sm				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

27 Acetonitrile, CAS: 75-05-8

Signal: 1

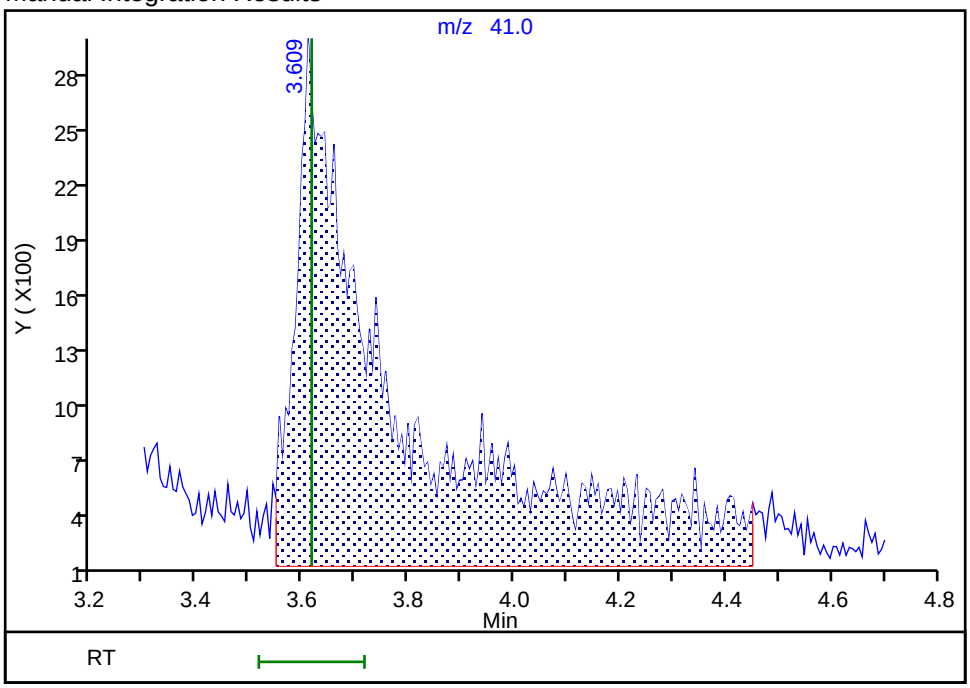
Processing Integration Results

RT: 3.61
Area: 18338
Amount: 4.160734
Amount Units: ug/l



Manual Integration Results

RT: 3.61
Area: 36351
Amount: 11.111235
Amount Units: ug/l



Reviewer: DVW2, 12-Dec-2023 10:45:19 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X06.D
Lims ID: IC STD5 Sm
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 11-Dec-2023 19:14:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0101546-007
Misc. Info.: IC STD5 SM
Operator ID: gaw91131 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub43

Method: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 14-Dec-2023 10:49:30 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: DVW2 Date: 12-Dec-2023 10:46:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.793	1.787	0.006	93	211360	5.00	6.61	
3 Chlorodifluoromethane	51	1.842	1.836	0.006	97	418317	5.00	4.94	
4 Dimethyl ether	45	1.884	1.884	0.000	98	473845	5.00	5.65	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.183	2.183	0.000	34	373342	5.00	6.26	
27 Acetonitrile	41	3.616	3.616	0.000	97	81522	25.0	25.3	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.866	3.841	0.025	96	139108	50.0	50.0	
38 Vinyl acetate	43	4.859	4.859	0.000	97	446945	5.00	5.33	
46 Ethyl acetate	43	5.768	5.762	0.006	99	191013	5.00	5.25	
63 Isopropyl acetate	43	7.024	7.024	0.000	98	428302	5.00	5.51	
* 65 Fluorobenzene (IS)	96	7.334	7.328	0.006	99	2045595	10.0	10.0	
75 n-Propyl acetate	61	8.353	8.353	0.000	99	91879	5.00	5.46	
79 2-Chloroethyl vinyl ether	63	8.901	8.901	0.000	92	139226	5.00	4.87	
109 n-Butyl acetate	43	10.364	10.358	0.006	98	385188	5.00	5.24	M
* 111 Chlorobenzene-d5 (IS)	117	10.950	10.944	0.006	85	1600367	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.895	11.895	0.000	98	188049	10.0	11.9	
123 Cyclohexanone	55	11.919	11.919	0.000	93	267583	250.0	267.8	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	918605	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00031	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00007	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00065	Amount Added:	5.00	Units: uL
MSV_HP29_ISO_00004	Amount Added:	1.00	Units: uL
MSV_DME_00050	Amount Added:	1.00	Units: uL

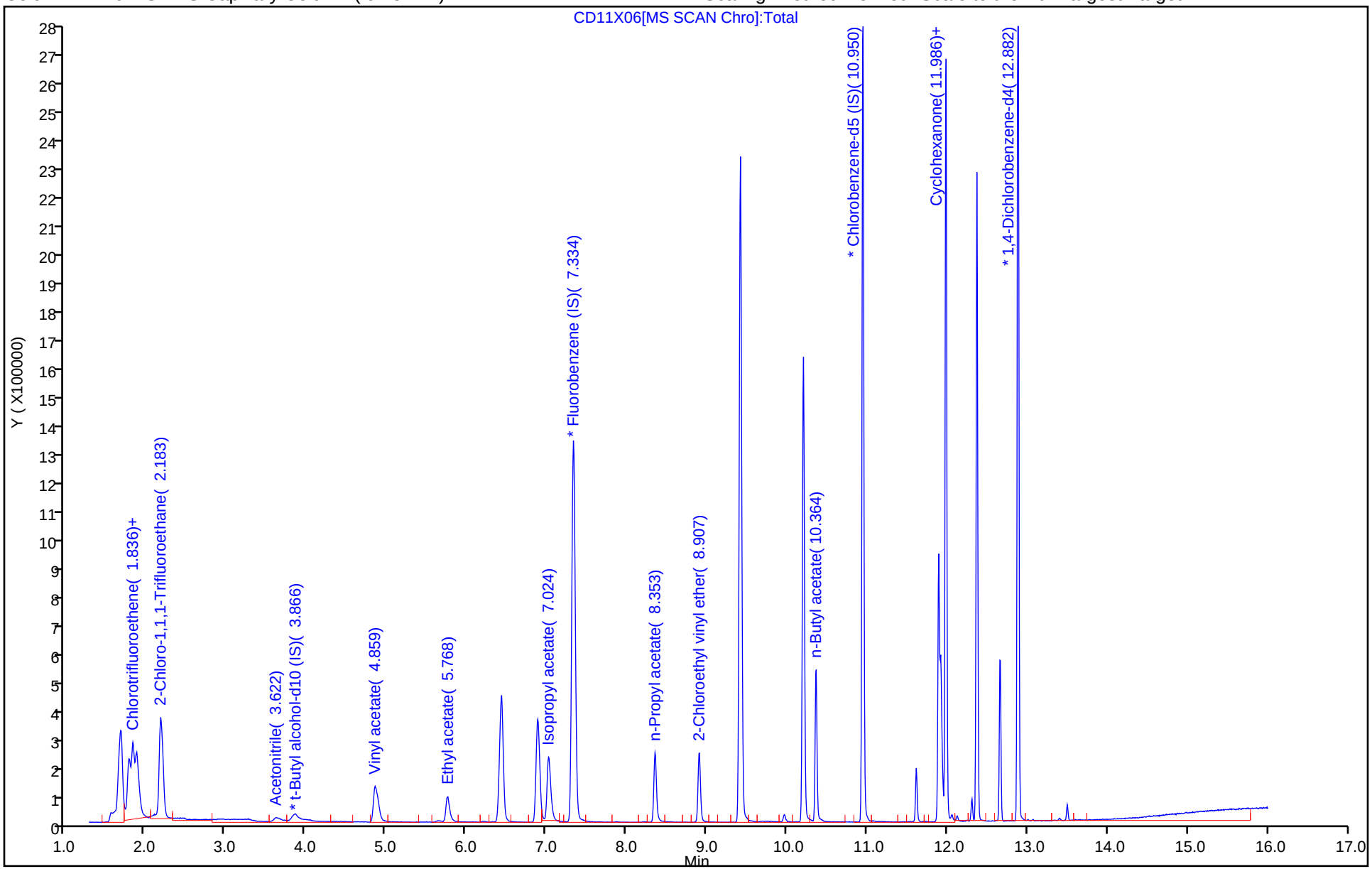
Report Date: 14-Dec-2023 10:49:30 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X06.D

Injection Date:	11-Dec-2023 19:14:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	IC STD5 Sm			Worklist Smp#:	7
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

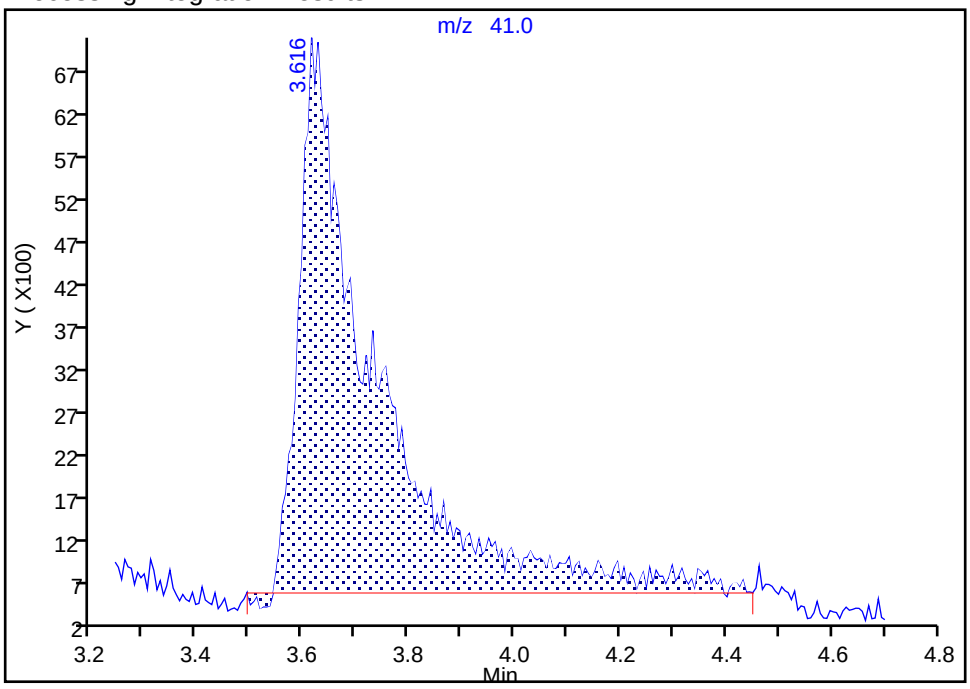
Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X06.D
Injection Date: 11-Dec-2023 19:14:30 Instrument ID: 10193
Lims ID: IC STD5 Sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

27 Acetonitrile, CAS: 75-05-8

Signal: 1

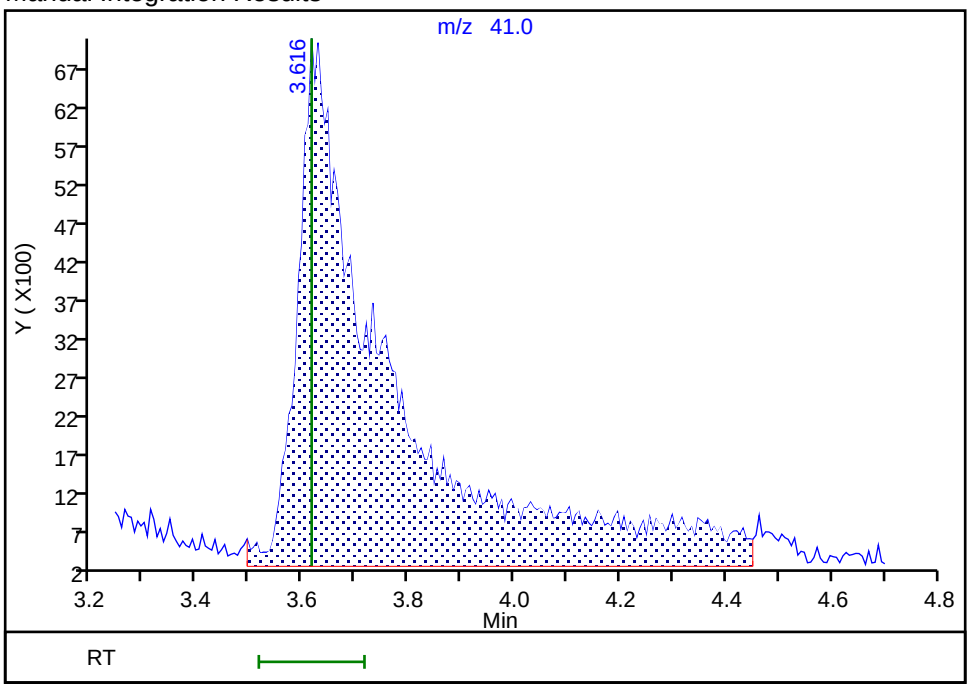
Processing Integration Results

RT: 3.62
Area: 62219
Amount: 14.377278
Amount Units: ug/l



Manual Integration Results

RT: 3.62
Area: 81522
Amount: 25.302118
Amount Units: ug/l



Reviewer: DVW2, 12-Dec-2023 10:46:07 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X07.D
Lims ID: IC STD10 Sm
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 11-Dec-2023 19:37:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0101546-008
Misc. Info.: IC STD10 SM
Operator ID: gaw91131 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub43

Method: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 14-Dec-2023 10:49:34 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: DVW2 Date: 12-Dec-2023 09:04:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.787	1.787	0.000	93	393209	10.0	12.2	
3 Chlorodifluoromethane	51	1.836	1.836	0.000	97	783832	10.0	10.1	
4 Dimethyl ether	45	1.884	1.884	0.000	99	845220	10.0	10.0	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.183	2.183	0.000	48	694699	10.0	11.6	
27 Acetonitrile	41	3.616	3.616	0.000	100	152811	50.0	47.2	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.853	3.853	0.000	97	131300	50.0	50.0	
38 Vinyl acetate	43	4.859	4.859	0.000	97	935464	10.0	11.1	
46 Ethyl acetate	43	5.762	5.762	0.000	99	381403	10.0	10.4	
63 Isopropyl acetate	43	7.024	7.024	0.000	98	859039	10.0	11.0	
* 65 Fluorobenzene (IS)	96	7.335	7.335	0.000	99	2055027	10.0	10.0	
75 n-Propyl acetate	61	8.353	8.353	0.000	99	187671	10.0	11.1	
79 2-Chloroethyl vinyl ether	63	8.901	8.901	0.000	92	266720	10.0	10.2	
109 n-Butyl acetate	43	10.358	10.358	0.000	98	798281	10.0	10.8	
* 111 Chlorobenzene-d5 (IS)	117	10.950	10.950	0.000	85	1605255	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.895	11.895	0.000	98	364200	20.0	22.9	
123 Cyclohexanone	55	11.919	11.919	0.000	92	477245	500.0	506.0	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	918278	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00031	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00007	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00065	Amount Added:	5.00	Units: uL
MSV_HP29_ISO_00004	Amount Added:	1.00	Units: uL
MSV_DME_00050	Amount Added:	1.00	Units: uL

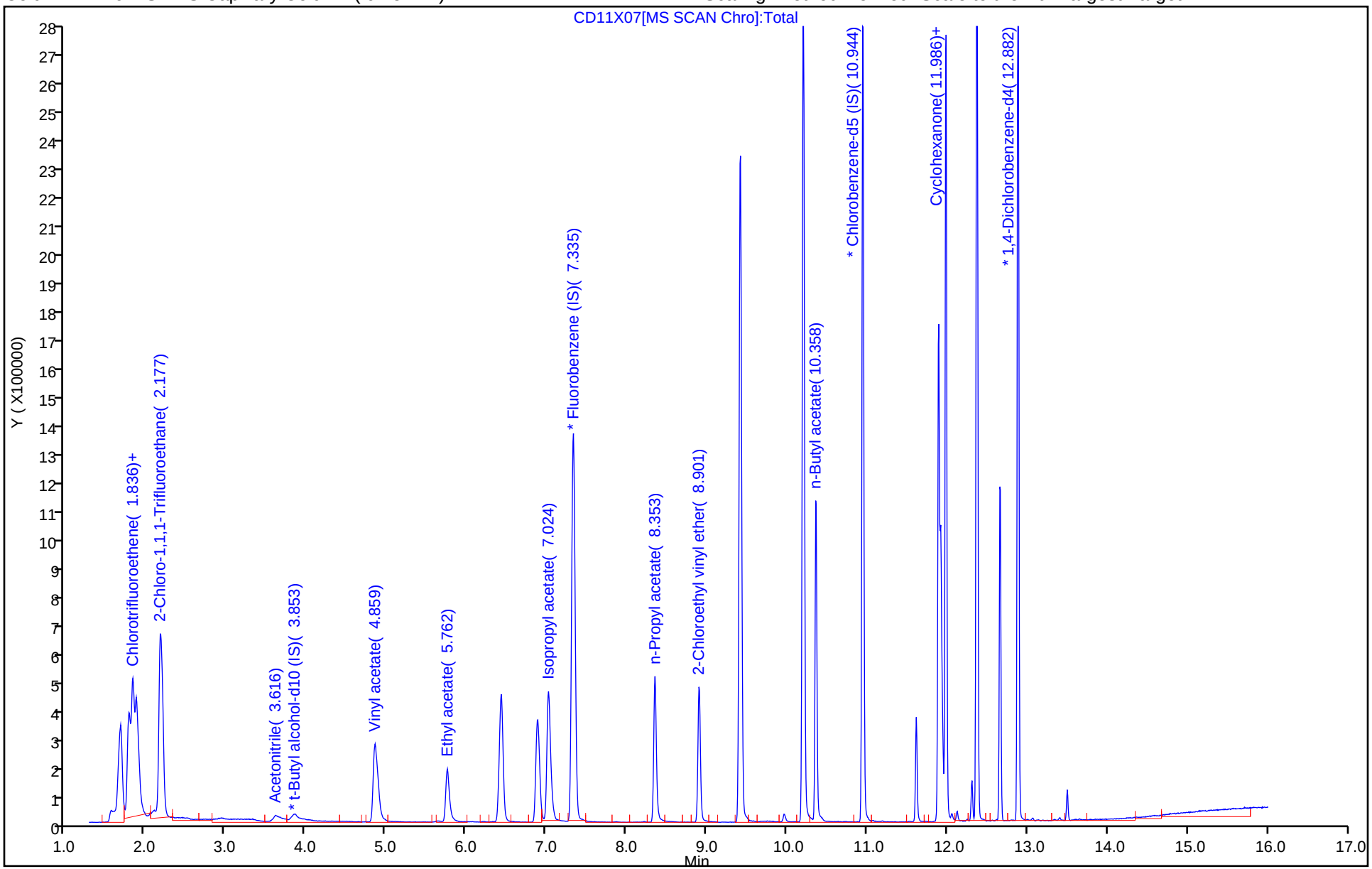
Report Date: 14-Dec-2023 10:49:34 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X07.D

Injection Date:	11-Dec-2023 19:37:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	IC STD10 Sm			Worklist Smp#:	8
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

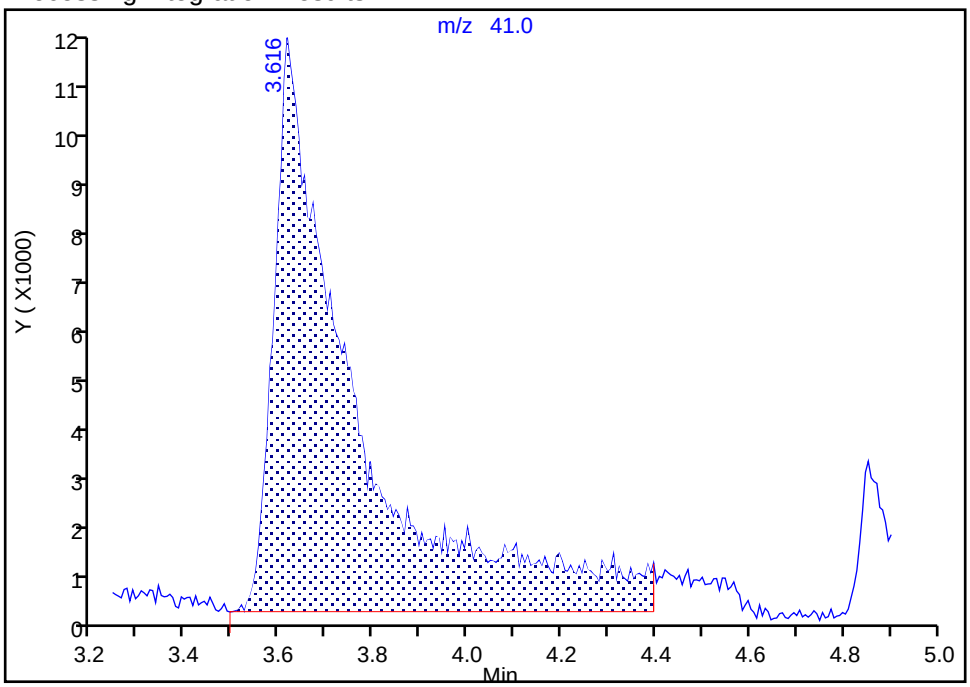
Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X07.D
Injection Date: 11-Dec-2023 19:37:30 Instrument ID: 10193
Lims ID: IC STD10 Sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

27 Acetonitrile, CAS: 75-05-8

Signal: 1

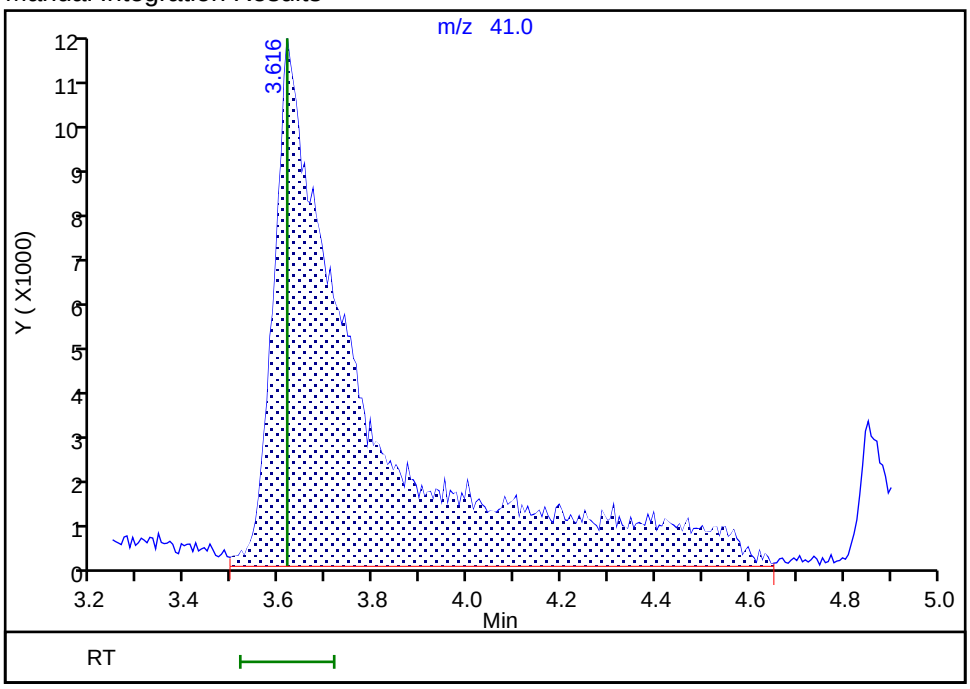
Processing Integration Results

RT: 3.62
Area: 133875
Amount: 29.968944
Amount Units: ug/l



Manual Integration Results

RT: 3.62
Area: 152811
Amount: 47.210520
Amount Units: ug/l



Reviewer: DVW2, 12-Dec-2023 10:47:30 -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\10193\20231211-101546.b\CD11X08.D
Lims ID: IC STD25 Sm
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 11-Dec-2023 19:59:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0101546-009
Misc. Info.: IC STD25 SM
Operator ID: gaw91131 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub43

Method: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 14-Dec-2023 10:49:36 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: DVW2 Date: 12-Dec-2023 10:48:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.787	1.787	0.000	94	615157	25.0	19.1	
3 Chlorodifluoromethane	51	1.842	1.836	0.006	97	1188050	25.0	22.5	
4 Dimethyl ether	45	1.884	1.884	0.000	99	2129157	25.0	25.2	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.183	2.183	0.000	34	1064663	25.0	17.7	
27 Acetonitrile	41	3.622	3.616	0.006	98	346570	125.0	106.7	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.859	3.853	0.006	97	129556	50.0	50.0	
38 Vinyl acetate	43	4.859	4.859	0.000	97	2324162	25.0	27.5	
46 Ethyl acetate	43	5.762	5.762	0.000	99	928597	25.0	25.3	
63 Isopropyl acetate	43	7.023	7.024	-0.001	98	2044568	25.0	26.1	
* 65 Fluorobenzene (IS)	96	7.334	7.335	-0.001	99	2061355	10.0	10.0	
75 n-Propyl acetate	61	8.352	8.353	-0.001	99	453900	25.0	26.8	
79 2-Chloroethyl vinyl ether	63	8.901	8.901	0.000	92	408242	25.0	23.0	
109 n-Butyl acetate	43	10.364	10.358	0.006	98	1932637	25.0	26.0	
* 111 Chlorobenzene-d5 (IS)	117	10.950	10.950	0.000	85	1615781	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.894	11.895	-0.001	98	564638	50.0	35.3	
123 Cyclohexanone	55	11.919	11.919	0.000	93	1149678	1250.0	1235.3	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	927383	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00031	Amount Added:	2.50	Units: uL
MSV_CCV_CYC_00007	Amount Added:	20.00	Units: uL
MSV_V_SMRV4_00065	Amount Added:	12.50	Units: uL
MSV_HP29_ISO_00004	Amount Added:	1.00	Units: uL
MSV_DME_00050	Amount Added:	2.50	Units: uL

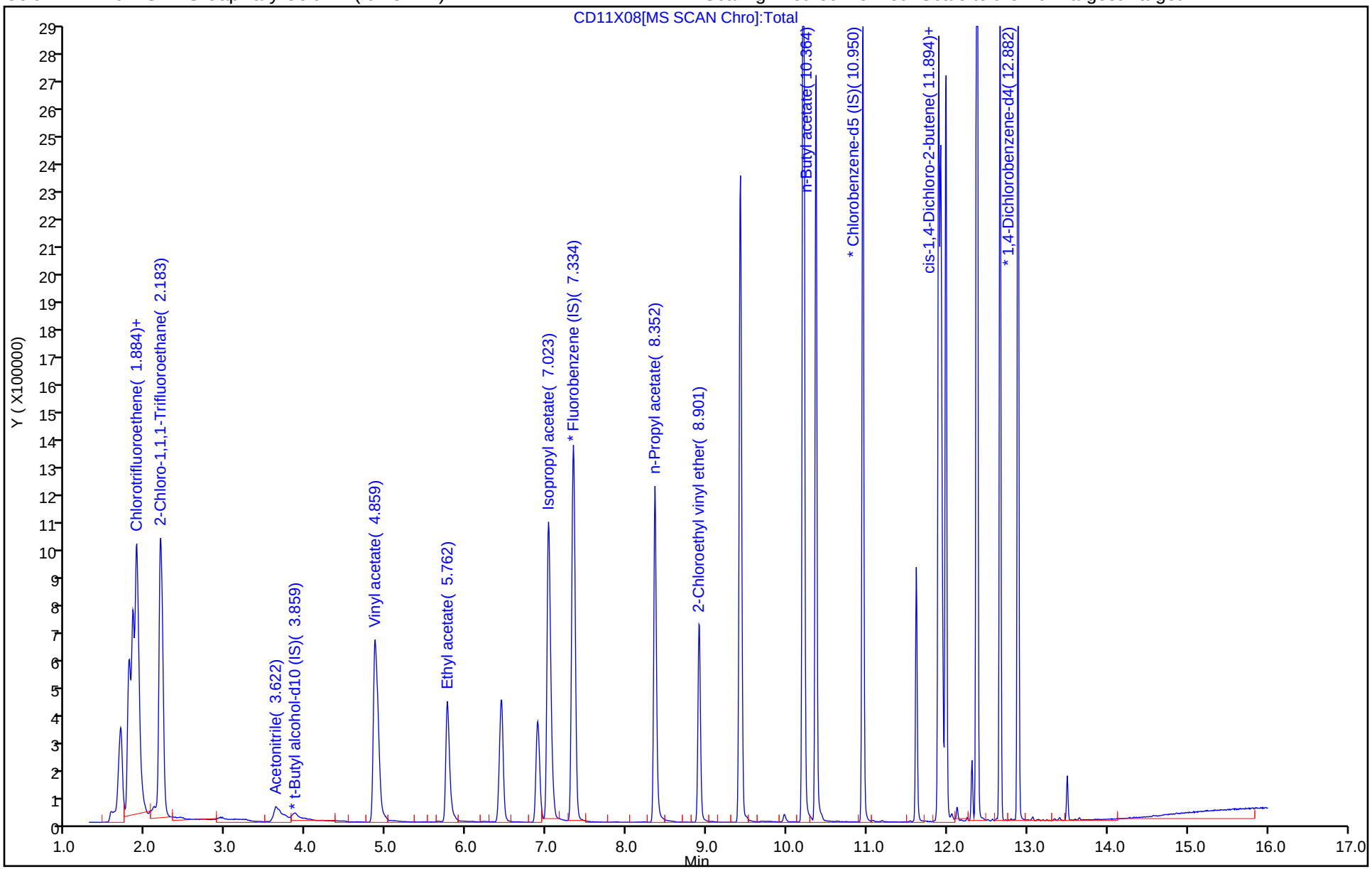
Report Date: 14-Dec-2023 10:49:37 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X08.D

Injection Date:	11-Dec-2023 19:59:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	IC STD25 Sm			Worklist Smp#:	9
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

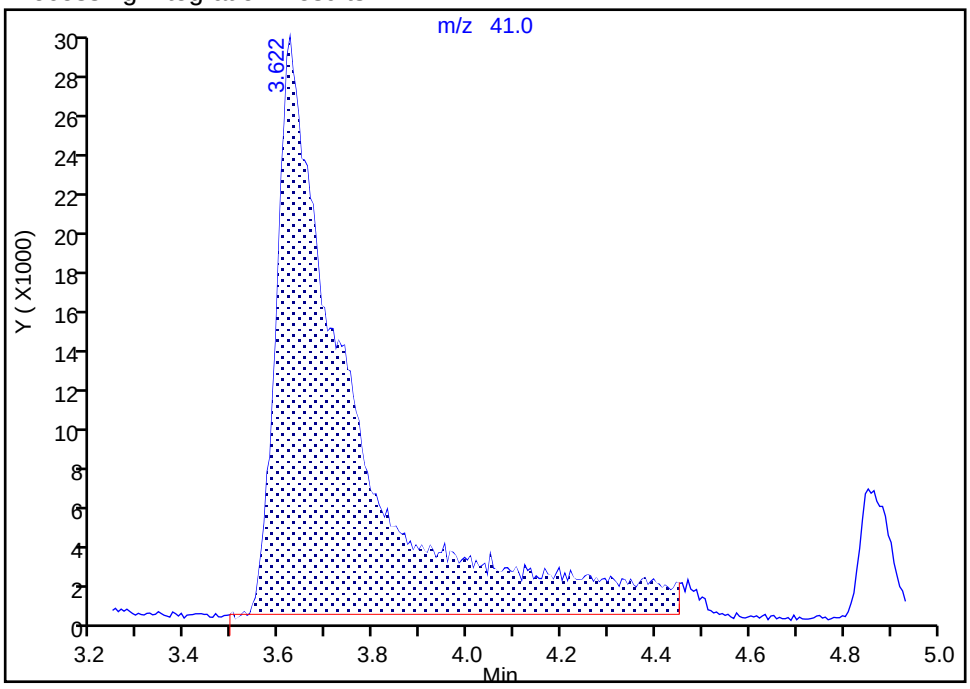
Data File:	\\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X08.D				
Injection Date:	11-Dec-2023 19:59:30	Instrument ID:	10193		
Lims ID:	IC STD25 Sm				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

27 Acetonitrile, CAS: 75-05-8

Signal: 1

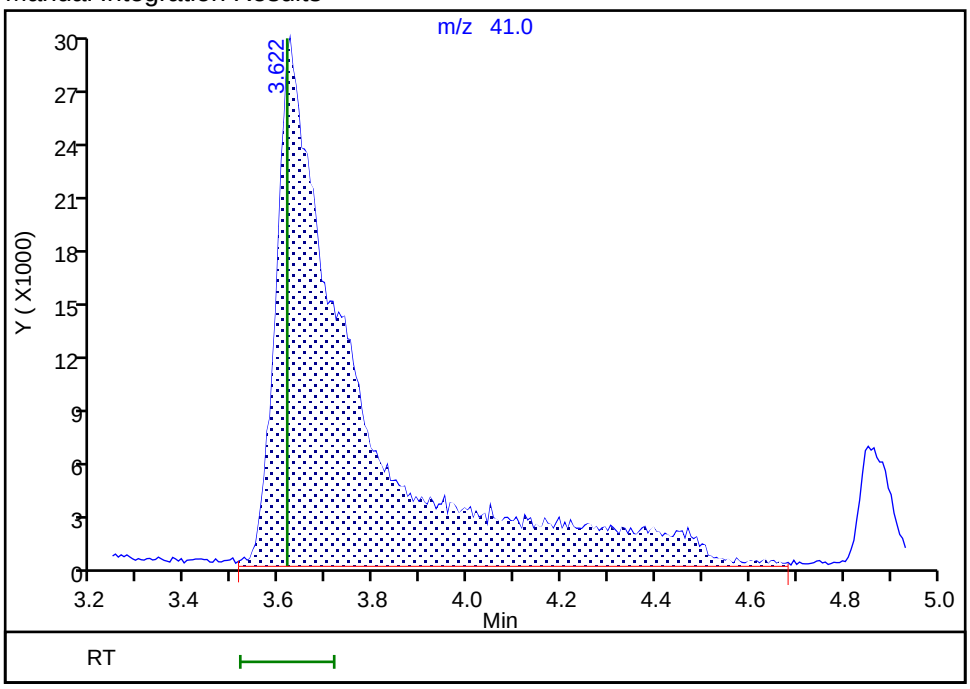
Processing Integration Results

RT: 3.62
Area: 322294
Amount: 75.596249
Amount Units: ug/l



Manual Integration Results

RT: 3.62
Area: 346570
Amount: 106.7431
Amount Units: ug/l



Reviewer: DVW2, 12-Dec-2023 10:48:26 -05:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Calibration / Chlorodifluoromethane

Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

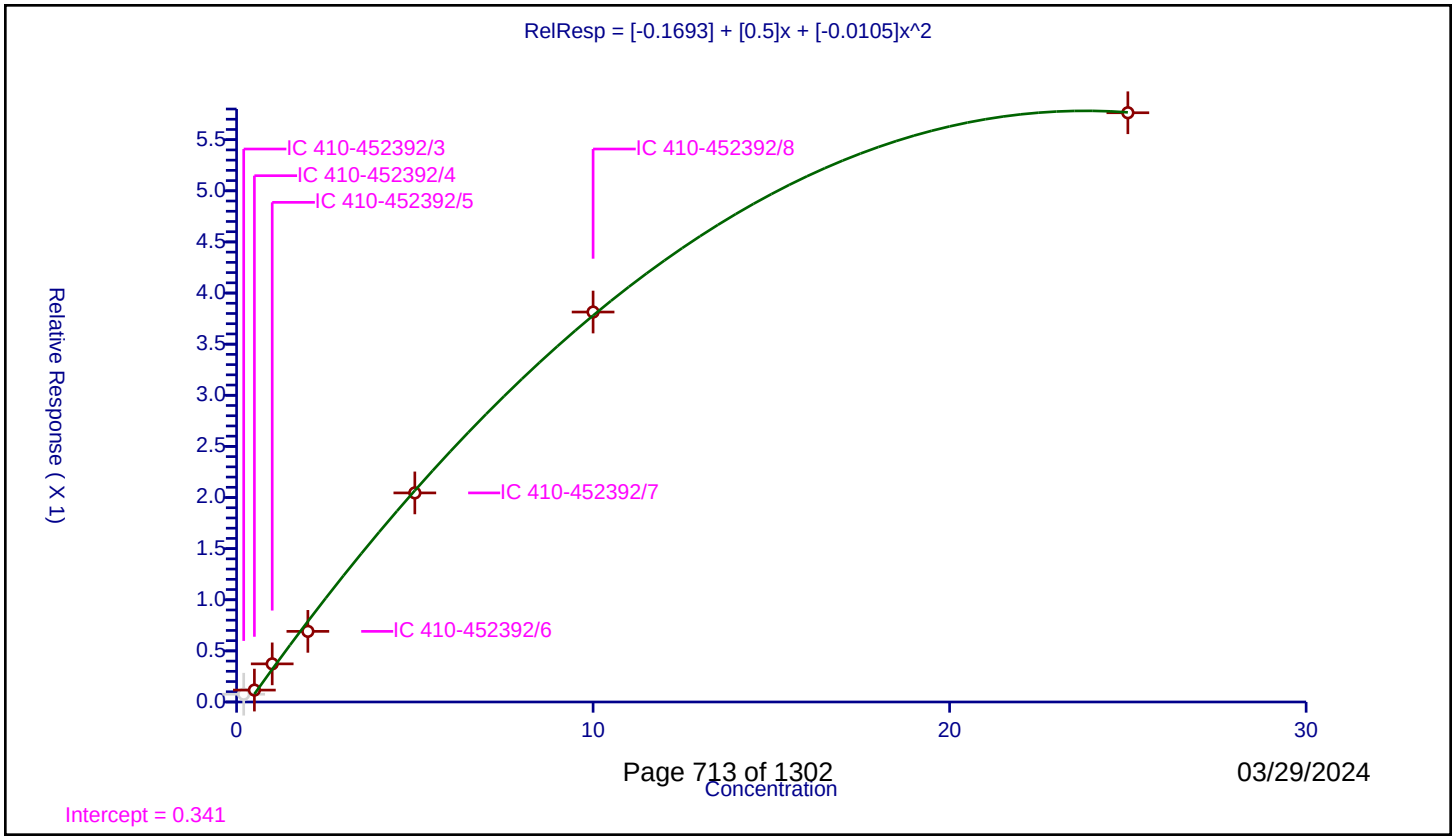
Curve Coefficients

Intercept:	-0.1693
Slope:	0.5
Second Order:	-0.0105

Error Coefficients

Standard Error:	862000
Relative Standard Error:	14.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/3	0.2	0.076153	10.0	2094331.0	0.380766	N
2	IC 410-452392/4	0.5	0.116464	10.0	2080638.0	0.232929	Y
3	IC 410-452392/5	1.0	0.372834	10.0	2072020.0	0.372834	Y
4	IC 410-452392/6	2.0	0.690879	10.0	2077092.0	0.34544	Y
5	IC 410-452392/7	5.0	2.044965	10.0	2045595.0	0.408993	Y
6	IC 410-452392/8	10.0	3.814218	10.0	2055027.0	0.381422	Y
7	IC 410-452392/9	25.0	5.763442	10.0	2061355.0	0.230538	Y



Calibration / Dimethyl ether

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

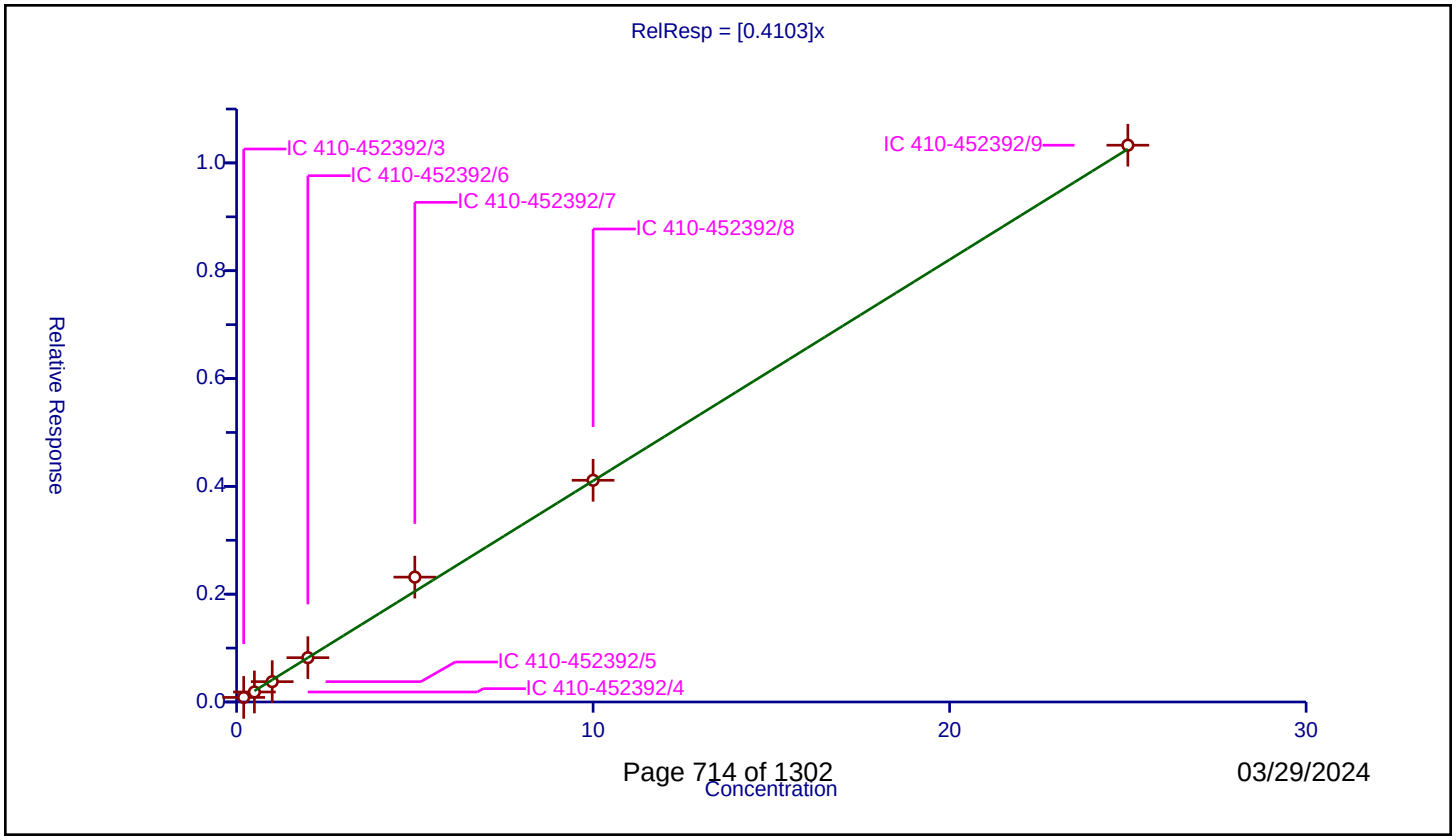
Curve Coefficients

Intercept:	0
Slope:	0.4103

Error Coefficients

Standard Error:	958000
Relative Standard Error:	7.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/3	0.2	0.084896	10.0	2094331.0	0.424479	Y
2	IC 410-452392/4	0.5	0.185856	10.0	2080638.0	0.371713	Y
3	IC 410-452392/5	1.0	0.377154	10.0	2072020.0	0.377154	Y
4	IC 410-452392/6	2.0	0.821822	10.0	2077092.0	0.410911	Y
5	IC 410-452392/7	5.0	2.316416	10.0	2045595.0	0.463283	Y
6	IC 410-452392/8	10.0	4.112939	10.0	2055027.0	0.411294	Y
7	IC 410-452392/9	25.0	10.32892	10.0	2061355.0	0.413157	Y



Calibration / Acetonitrile

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

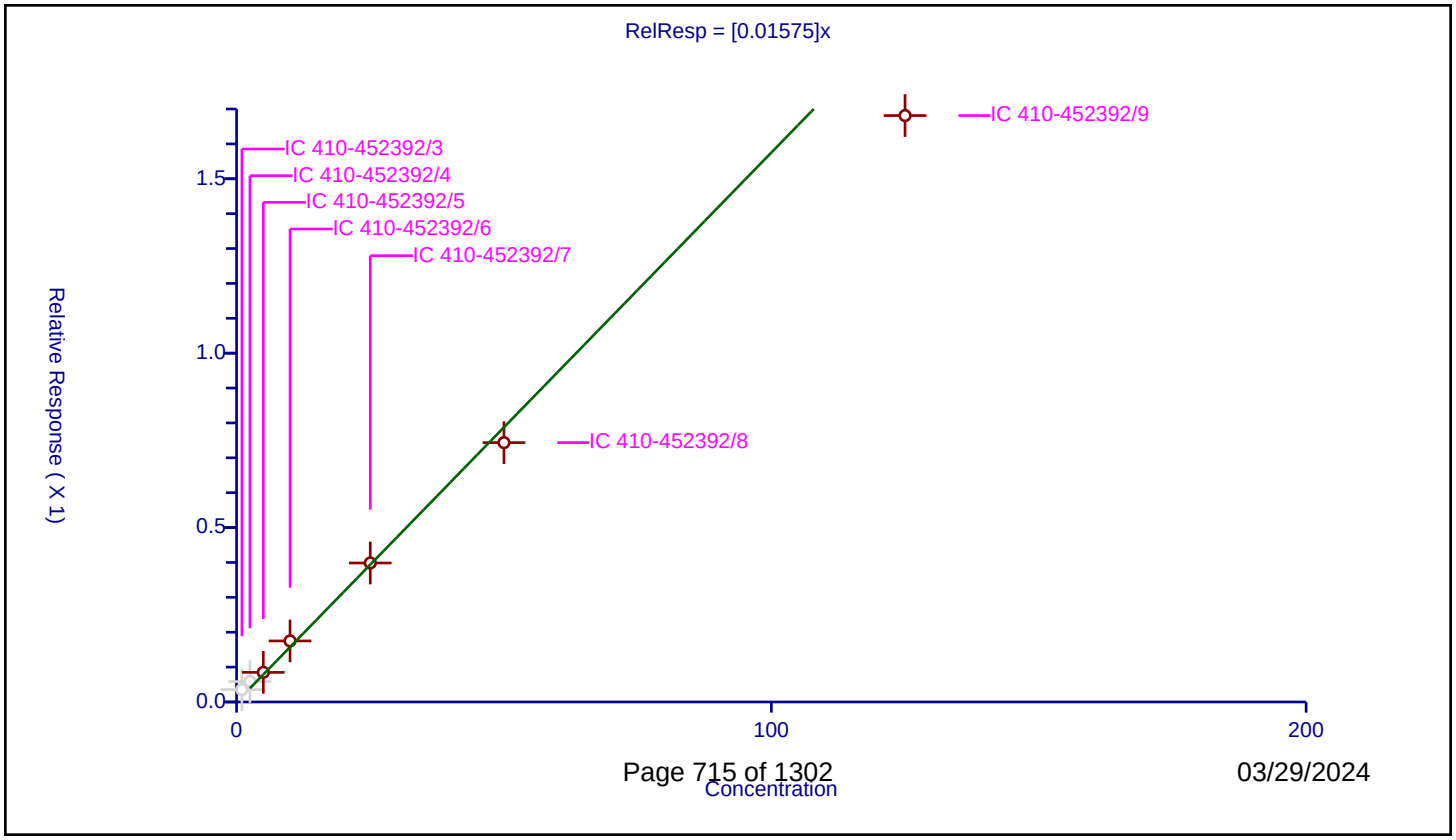
Curve Coefficients

Intercept:	0
Slope:	0.01575

Error Coefficients

Standard Error:	195000
Relative Standard Error:	10.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/3	1.0	0.035591	10.0	2094331.0	0.035591	N
2	IC 410-452392/4	2.5	0.058684	10.0	2080638.0	0.023474	N
3	IC 410-452392/5	5.0	0.084946	10.0	2072020.0	0.016989	Y
4	IC 410-452392/6	10.0	0.175009	10.0	2077092.0	0.017501	Y
5	IC 410-452392/7	25.0	0.398525	10.0	2045595.0	0.015941	Y
6	IC 410-452392/8	50.0	0.743596	10.0	2055027.0	0.014872	Y
7	IC 410-452392/9	125.0	1.681273	10.0	2061355.0	0.01345	Y



Calibration / Vinyl acetate

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

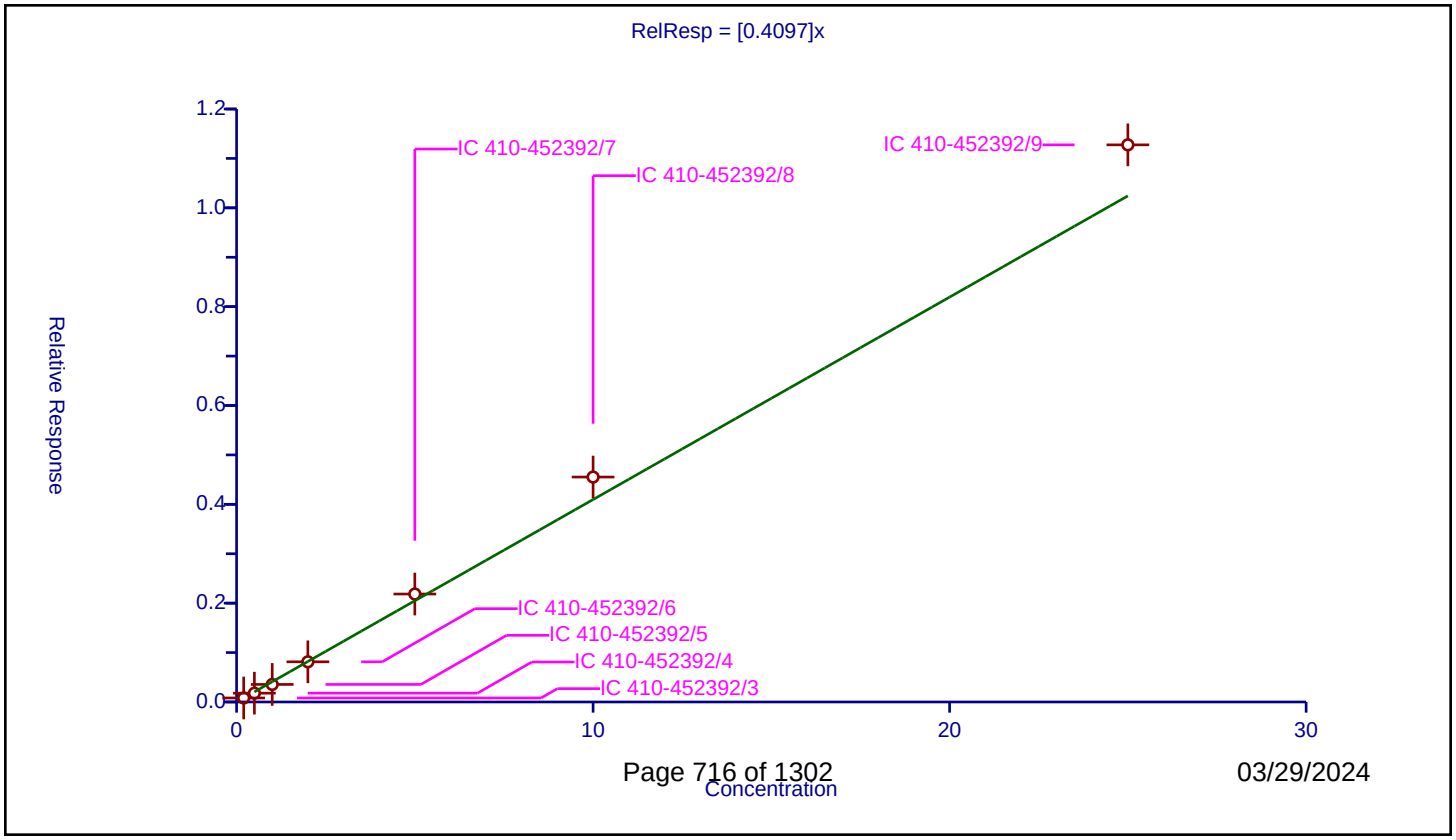
Curve Coefficients

Intercept:	0
Slope:	0.4097

Error Coefficients

Standard Error:	1040000
Relative Standard Error:	10.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/3	0.2	0.081248	10.0	2094331.0	0.40624	Y
2	IC 410-452392/4	0.5	0.17834	10.0	2080638.0	0.356679	Y
3	IC 410-452392/5	1.0	0.355161	10.0	2072020.0	0.355161	Y
4	IC 410-452392/6	2.0	0.813012	10.0	2077092.0	0.406506	Y
5	IC 410-452392/7	5.0	2.184914	10.0	2045595.0	0.436983	Y
6	IC 410-452392/8	10.0	4.552076	10.0	2055027.0	0.455208	Y
7	IC 410-452392/9	25.0	11.274924	10.0	2061355.0	0.450997	Y



Calibration / Ethyl acetate

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

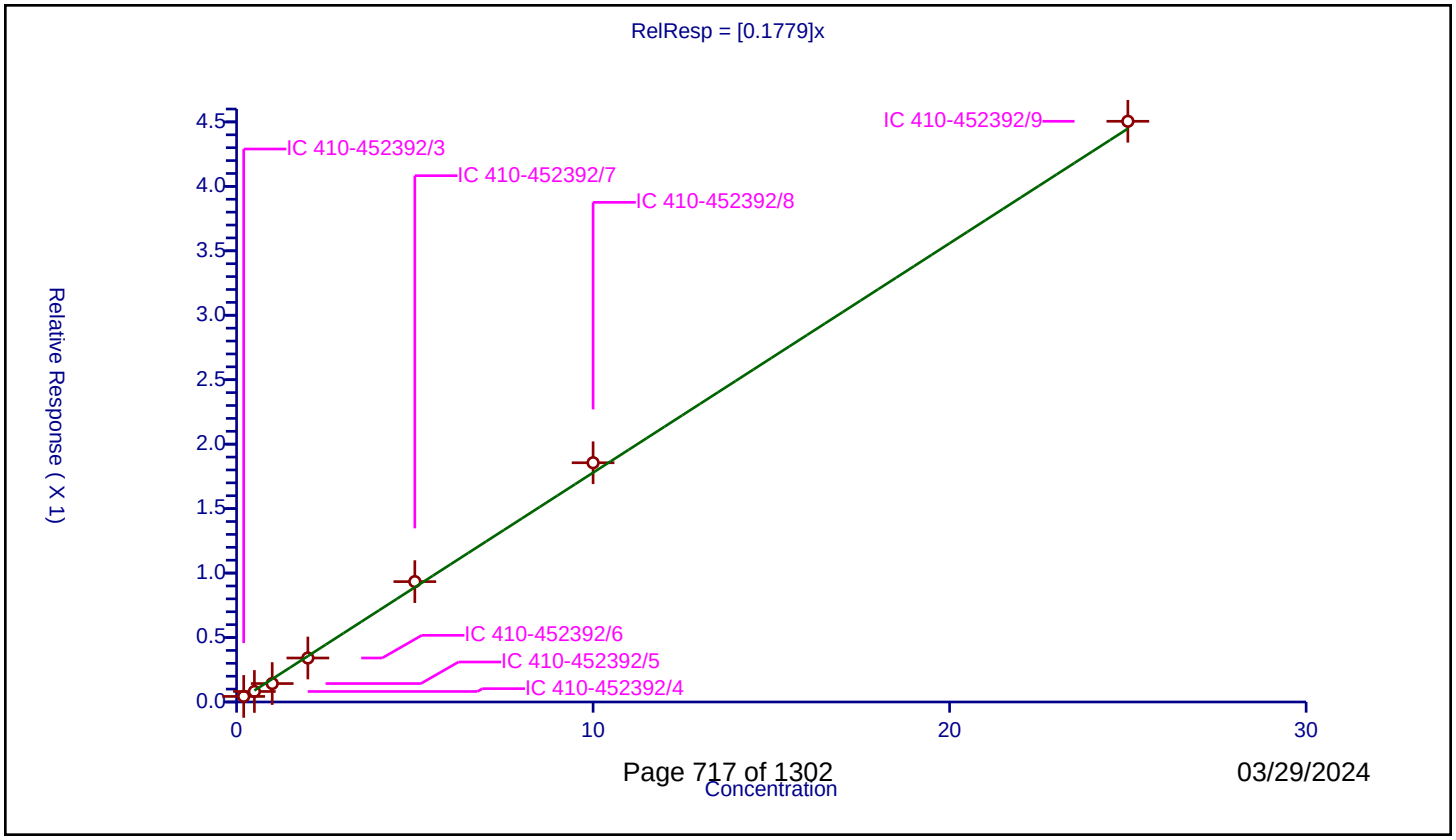
Curve Coefficients

Intercept:	0
Slope:	0.1779

Error Coefficients

Standard Error:	418000
Relative Standard Error:	12.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/3	0.2	0.043221	10.0	2094331.0	0.216107	Y
2	IC 410-452392/4	0.5	0.081513	10.0	2080638.0	0.163027	Y
3	IC 410-452392/5	1.0	0.14315	10.0	2072020.0	0.14315	Y
4	IC 410-452392/6	2.0	0.341179	10.0	2077092.0	0.170589	Y
5	IC 410-452392/7	5.0	0.933777	10.0	2045595.0	0.186755	Y
6	IC 410-452392/8	10.0	1.855951	10.0	2055027.0	0.185595	Y
7	IC 410-452392/9	25.0	4.504789	10.0	2061355.0	0.180192	Y



Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

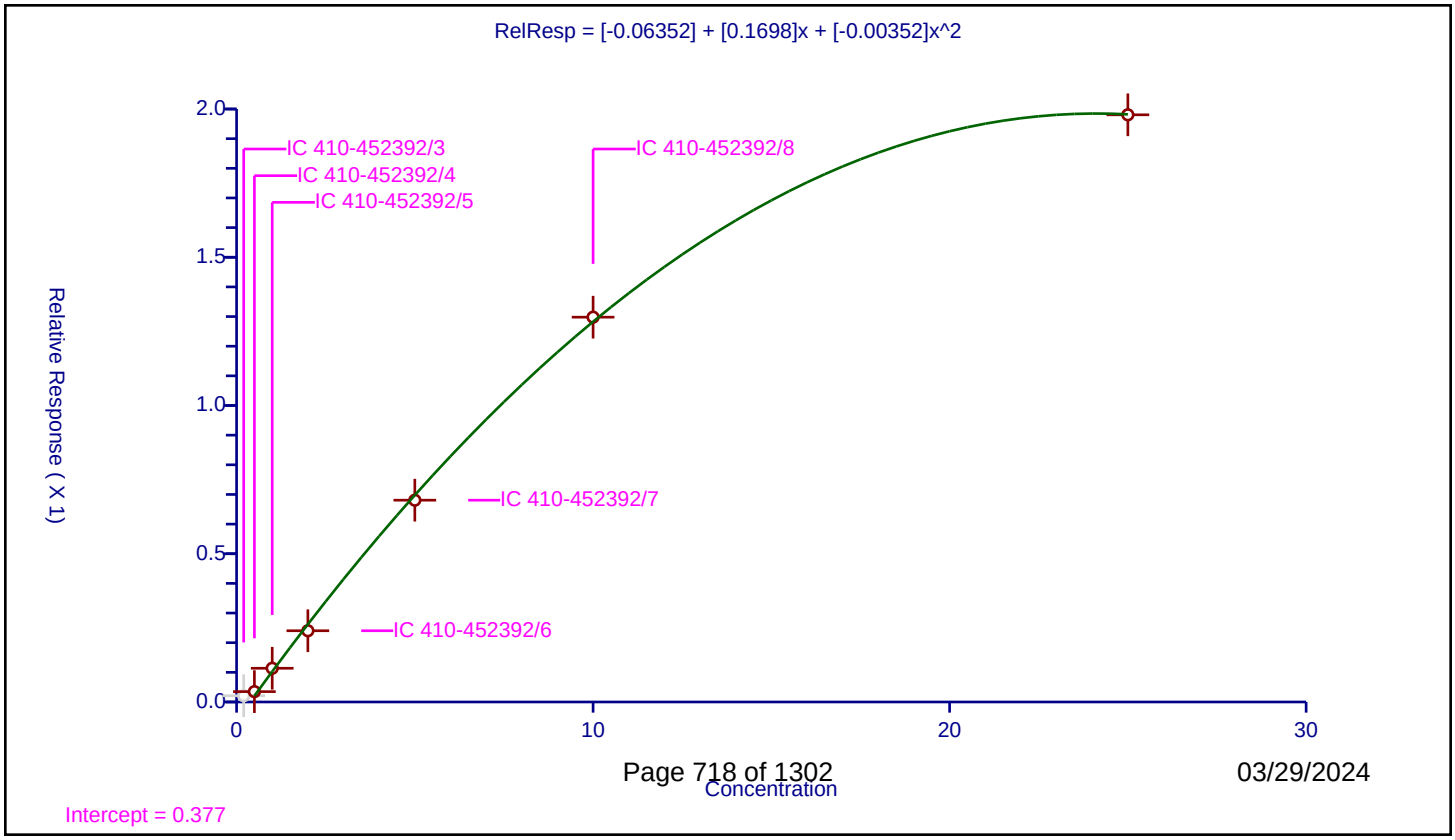
Curve Coefficients

Intercept:	-0.06352
Slope:	0.1698
Second Order:	-0.00352

Error Coefficients

Standard Error:	295000
Relative Standard Error:	12.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/3	0.2	0.021076	10.0	2094331.0	0.10538	N
2	IC 410-452392/4	0.5	0.034956	10.0	2080638.0	0.069911	Y
3	IC 410-452392/5	1.0	0.113691	10.0	2072020.0	0.113691	Y
4	IC 410-452392/6	2.0	0.240254	10.0	2077092.0	0.120127	Y
5	IC 410-452392/7	5.0	0.680614	10.0	2045595.0	0.136123	Y
6	IC 410-452392/8	10.0	1.29789	10.0	2055027.0	0.129789	Y
7	IC 410-452392/9	25.0	1.980455	10.0	2061355.0	0.079218	Y



Calibration / cis-1,4-Dichloro-2-butene

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

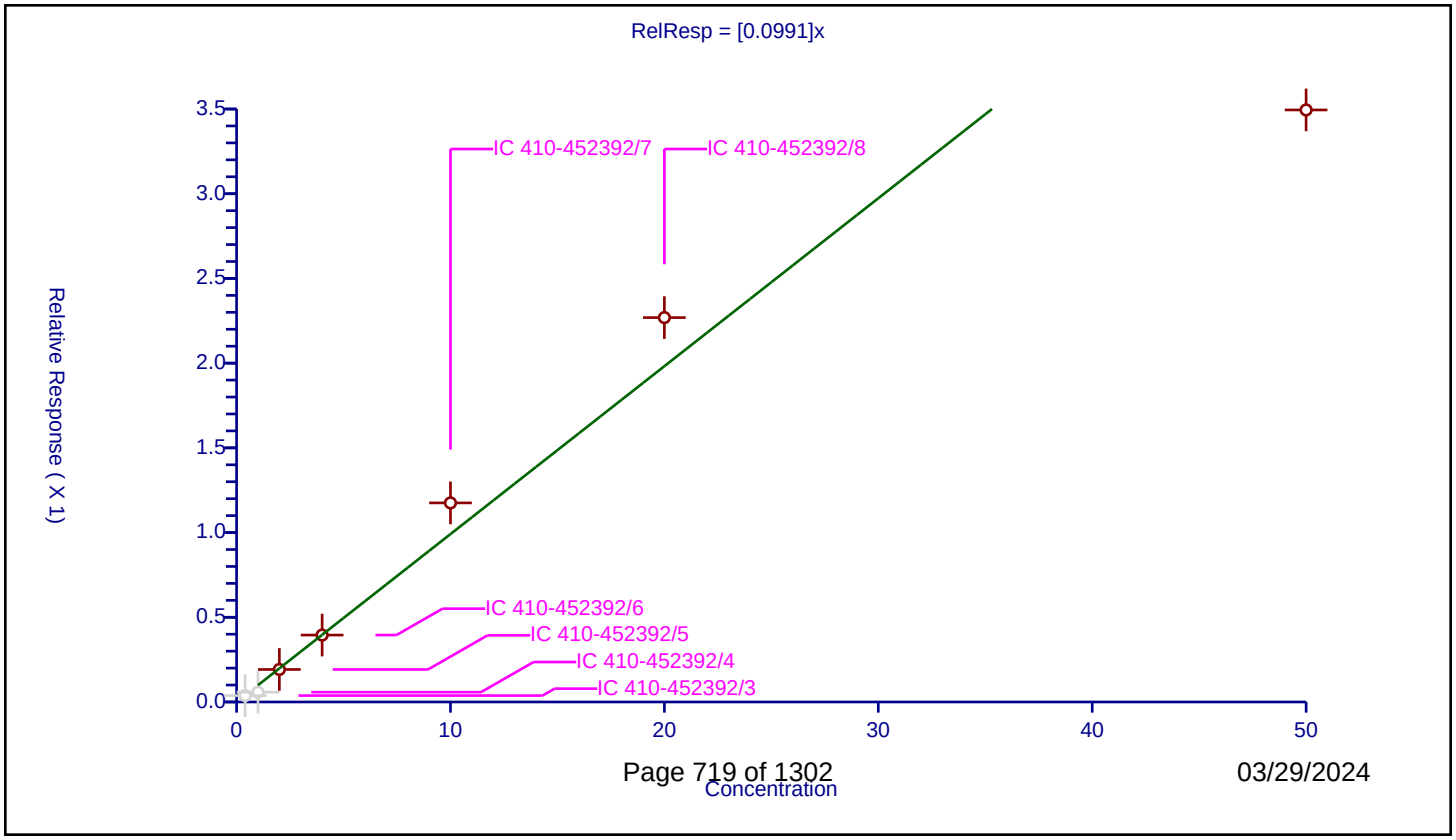
Curve Coefficients

Intercept:	0
Slope:	0.0991

Error Coefficients

Standard Error:	351000
Relative Standard Error:	18.9
Correlation Coefficient:	0.932
Coefficient of Determination (Adjusted):	0.943

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/3	0.39999	0.037866	10.0	1627599.0	0.094666	N
2	IC 410-452392/4	0.999976	0.058058	10.0	1616304.0	0.05806	N
3	IC 410-452392/5	1.999951	0.191887	10.0	1613447.0	0.095946	Y
4	IC 410-452392/6	3.999903	0.394925	10.0	1623854.0	0.098734	Y
5	IC 410-452392/7	9.999757	1.175037	10.0	1600367.0	0.117507	Y
6	IC 410-452392/8	19.999514	2.268798	10.0	1605255.0	0.113443	Y
7	IC 410-452392/9	49.998785	3.494521	10.0	1615781.0	0.069892	Y



Calibration / Cyclohexanone

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

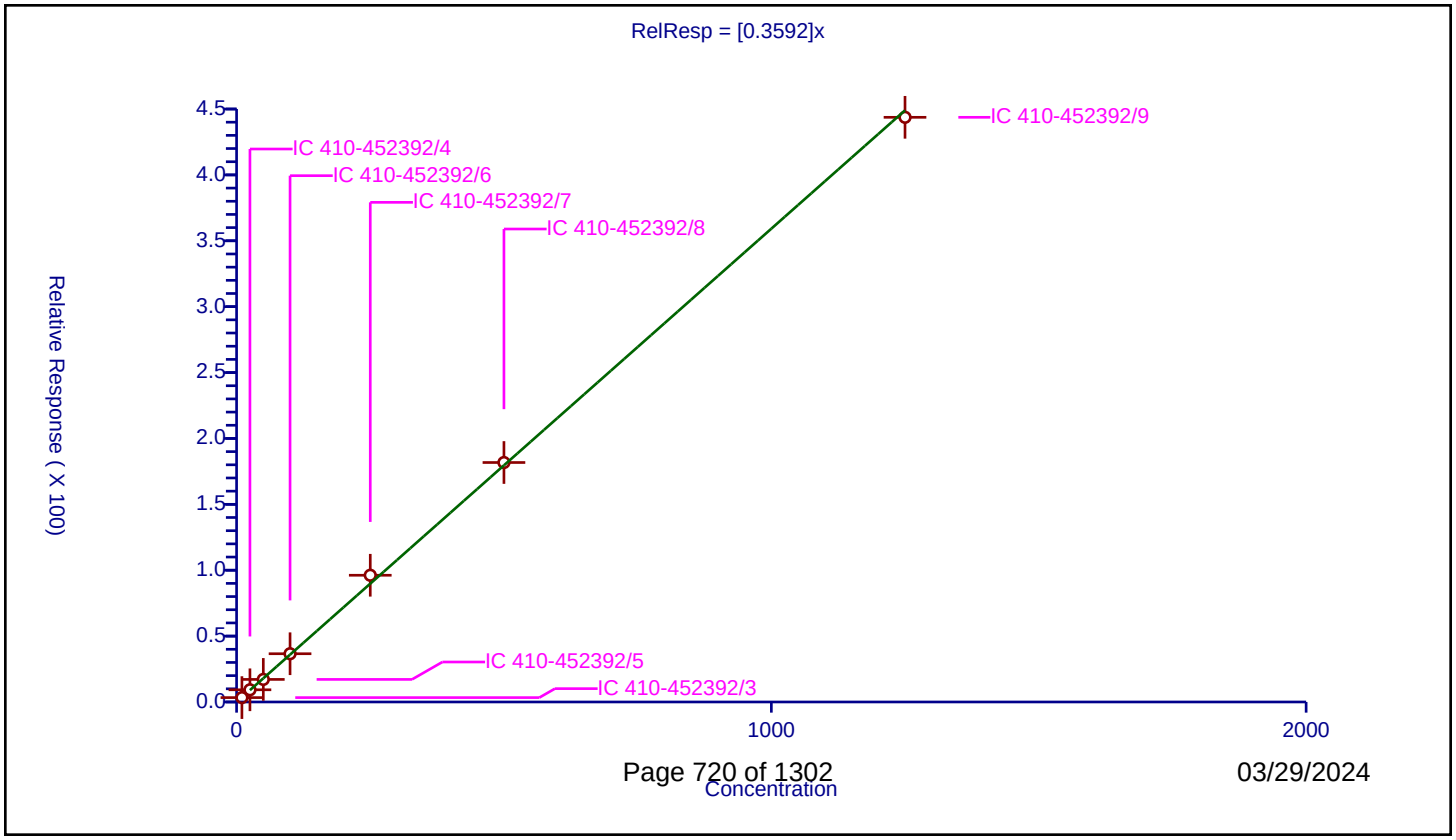
Curve Coefficients

Intercept:	0
Slope:	0.3592

Error Coefficients

Standard Error:	522000
Relative Standard Error:	4.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/3	9.999799	3.324716	50.0	153562.0	0.332478	Y
2	IC 410-452392/4	24.999498	9.248423	50.0	133812.0	0.369944	Y
3	IC 410-452392/5	49.998995	17.126176	50.0	125206.0	0.34253	Y
4	IC 410-452392/6	99.99799	36.617562	50.0	140109.0	0.366183	Y
5	IC 410-452392/7	249.994976	96.178149	50.0	139108.0	0.38472	Y
6	IC 410-452392/8	499.989952	181.738385	50.0	131300.0	0.363484	Y
7	IC 410-452392/9	1249.97488	443.69925	50.0	129556.0	0.354967	Y



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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 452392

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2023 21:27 Calibration End Date: 12/11/2023 23:41 Calibration ID: 56725

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-452392/13	CD11X12.D
Level 2	IC 410-452392/14	CD11X13.D
Level 3	IC 410-452392/15	CD11X14.D
Level 4	IC 410-452392/16	CD11X15.D
Level 5	IC 410-452392/17	CD11X16.D
Level 6	ICIS 410-452392/18	CD11X17.D
Level 7	IC 410-452392/19	CD11X18.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	0.2125 0.3431	0.3347 0.3323	0.3354	0.3364	0.3328	Ave		0.3182			0.1000	14.7		20.0			
Chloromethane	0.3743 0.3909	0.4356 0.3611	0.4277	0.4250	0.3751	Ave		0.3985			0.1000	7.6		20.0			
Vinyl chloride	0.3048 0.3718	0.3806 0.3502	0.3909	0.3845	0.3593	Ave		0.3631			0.1000	8.1		20.0			
1,3-Butadiene	0.3284 0.3799	0.3547 0.3539	0.3906	0.3764	0.3785	Ave		0.3661				5.8		20.0			
Bromomethane	0.2314 0.2487	0.2616 0.2313	0.2723	0.2678	0.2409	Ave		0.2506			0.1000	6.8		20.0			
Chloroethane	0.1919 0.1975	0.2073 0.1881	0.2130	0.2167	0.1947	Ave		0.2013			0.1000	5.5		20.0			
Dichlorofluoromethane	0.5139 0.5428	0.5698 0.5150	0.5833	0.5880	0.5258	Ave		0.5484			0.1000	5.8		20.0			
Trichlorofluoromethane	0.2872 0.4218	0.4080 0.3999	0.4236	0.4157	0.4088	Ave		0.3950			0.1000	12.2		20.0			
Ethyl ether	0.2054 0.2190	0.2191 0.2061	0.2209	0.2215	0.2139	Ave		0.2151				3.2		20.0			
Freon 123a	0.3171 0.3065	0.3335 0.2947	0.3205	0.3203	0.2946	Ave		0.3125				4.6		20.0			
Acrolein	2.0018 2.3893	2.1368 2.3320	2.2429	2.2998	2.2823	Ave		2.2407				5.9		20.0			
1,1-Dichloroethene	0.2213 0.2272	0.2330 0.2095	0.2319	0.2219	0.2172	Ave		0.2231			0.1000	3.7		20.0			
Acetone	3.3043 2.7562	2.6613 2.0219	2.4976	2.9070	2.1732	Ave		2.6174			0.1000	16.7		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 452392

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2023 21:27 Calibration End Date: 12/11/2023 23:41 Calibration ID: 56725

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Freon 113	0.1802 0.2555	0.2390 0.2354	0.2444	0.2441	0.2445	Ave		0.2347			0.1000	10.6		20.0			
Methyl iodide	0.4470 0.4778	0.4832 0.4497	0.4839	0.4753	0.4553	Ave		0.4675				3.5		20.0			
Ethyl bromide	0.1829 0.2150	0.2157 0.2041	0.2219	0.2136	0.2116	Ave		0.2093				6.1		20.0			
Carbon disulfide	0.7265 0.8172	0.8001 0.7702	0.7941	0.7703	0.7632	Ave		0.7774			0.1000	3.8		20.0			
Methyl acetate	10.643 8.2522	9.4022 8.3306	8.7907	8.7813	7.8631	Ave		8.8661			0.1000	10.4		20.0			
Allyl chloride	0.4117 0.4302	0.4193 0.4070	0.4292	0.4219	0.4077	Ave		0.4181				2.3		20.0			
Methylene Chloride	0.2539 0.2657	0.2817 0.2509	0.2655	0.2653	0.2518	Ave		0.2621			0.1000	4.2		20.0			
t-Butyl alcohol	1.2623 1.0524	1.2292 1.0856	1.1987	1.1233	0.9771	Ave		1.1327				9.1		20.0			
Acrylonitrile	4.2814 3.8807	4.2813 3.9194	4.3569	4.3880	3.6952	Ave		4.1147				6.7		20.0			
Methyl tert-butyl ether	0.7073 0.7413	0.7284 0.7036	0.7541	0.7479	0.7078	Ave		0.7272			0.1000	2.9		20.0			
trans-1,2-Dichloroethene	0.2629 0.2708	0.2700 0.2545	0.2741	0.2718	0.2561	Ave		0.2657			0.1000	3.0		20.0			
n-Hexane	0.3072 0.3935	0.3654 0.3628	0.3563	0.3660	0.3671	Ave		0.3597				7.2		20.0			
1,1-Dichloroethane	0.4764 0.4896	0.5030 0.4658	0.5053	0.4956	0.4754	Ave		0.4873			0.2000	3.1		20.0			
di-Isopropyl ether	0.8975 0.9263	0.9205 0.8840	0.9250	0.9280	0.8803	Ave		0.9088				2.3		20.0			
2-Chloro-1,3-butadiene	0.3770 0.4225	0.4067 0.3993	0.4117	0.3992	0.3927	Ave		0.4013				3.6		20.0			
Ethyl t-butyl ether	0.8367 0.8909	0.8831 0.8438	0.8774	0.8845	0.8397	Ave		0.8652				2.8		20.0			
2-Butanone (MEK)	6.0307 5.5281	5.3924 5.3310	5.6749	5.7656	5.3037	Ave		5.5752			0.1000	4.8		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.: 410-164764-1 Analy Batch No.: 452392

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2023 21:27 Calibration End Date: 12/11/2023 23:41 Calibration ID: 56725

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
cis-1,2-Dichloroethene	0.2874 0.3065	0.3092 0.2887	0.3070	0.3054	0.2934	Ave		0.2996			0.1000	3.1		20.0			
2,2-Dichloropropane	0.4169 0.4043	0.4313 0.3783	0.4183	0.4051	0.3770	Ave		0.4045				5.1		20.0			
Propionitrile	1.2840 1.3933	1.4594 1.4120	1.4854	1.4260	1.3634	Ave		1.4034				4.7		20.0			
Methacrylonitrile	4.7884 5.5083	5.1269 5.3088	5.5684	5.6837	5.2148	Ave		5.3142				5.8		20.0			
Bromochloromethane	0.1307 0.1383	0.1334 0.1313	0.1364	0.1388	0.1313	Ave		0.1343				2.6		20.0			
Tetrahydrofuran	1.5478 1.5790	1.6379 1.5175	1.6774	1.7244	1.5461	Ave		1.6043				4.8		20.0			
Chloroform	0.5573 0.4841	0.5241 0.4559	0.5000	0.4828	0.4638	Ave		0.4954			0.2000	7.1		20.0			
1,1,1-Trichloroethane	0.3805 0.4280	0.4260 0.4046	0.4309	0.4107	0.4015	Ave		0.4118			0.1000	4.4		20.0			
Cyclohexane	0.3615 0.5015	0.4560 0.4683	0.4667	0.4557	0.4645	Ave		0.4535			0.1000	9.6		20.0			
Carbon tetrachloride	0.3288 0.3906	0.3599 0.3667	0.3738	0.3595	0.3580	Ave		0.3625			0.1000	5.2		20.0			
1,1-Dichloropropene	0.3497 0.3824	0.3768 0.3629	0.3860	0.3675	0.3600	Ave		0.3693				3.5		20.0			
Isobutyl alcohol	0.4775 0.3988	0.3818 0.3884	0.4208	0.4115	0.3729	Ave		0.4074				8.6		20.0			
Benzene	1.1349 1.1550	1.1620 1.0836	1.1758	1.1362	1.0959	Ave		1.1348			0.5000	3.0		20.0			
1,2-Dichloroethane	0.3252 0.3042	0.3183 0.2845	0.3064	0.3086	0.2895	Ave		0.3053			0.1000	4.7		20.0			
t-Amyl methyl ether	0.7763 0.8078	0.7815 0.7726	0.8009	0.8082	0.7584	Ave		0.7865				2.5		20.0			
n-Heptane	0.3503 0.4173	0.3884 0.3874	0.3770	0.3849	0.3822	Ave		0.3839				5.1		20.0			
n-Butanol	0.3085 0.3792	0.3338 0.3612	0.3316	0.3764	0.3245	Ave		0.3450				7.9		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 452392

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2023 21:27 Calibration End Date: 12/11/2023 23:41 Calibration ID: 56725

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Trichloroethene	0.2938 0.2999	0.3007 0.2810	0.2999	0.2970	0.2816	Ave		0.2934			0.2000	2.9		20.0			
Methylcyclohexane	0.3820 0.5305	0.4785 0.4924	0.4814	0.4763	0.4904	Ave		0.4759			0.1000	9.5		20.0			
1,2-Dichloropropane	0.2902 0.2996	0.3004 0.2880	0.2997	0.3001	0.2867	Ave		0.2950			0.1000	2.1		20.0			
1,4-Dioxane	+++++ 0.0780	0.0648 0.0653	0.0774	0.0679	0.0670	Ave		0.0701			0.0050	8.6		20.0			
Methyl methacrylate	10.130 11.131	10.987 10.318	11.059	11.191	10.429	Ave		10.749				4.1		20.0			
Dibromomethane	0.1376 0.1482	0.1432 0.1395	0.1482	0.1492	0.1391	Ave		0.1436				3.4		20.0			
Bromodichloromethane	0.3299 0.3587	0.3408 0.3418	0.3425	0.3465	0.3376	Ave		0.3426			0.2000	2.6		20.0			
2-Nitropropane	2.9205 3.1780	2.8269 3.1334	3.1352	3.0835	2.9393	Ave		3.0310				4.4		20.0			
1-Bromo-2-chloroethane	0.2694 0.3156	0.3059 0.2945	0.3062	0.3180	0.3063	Ave		0.3023				5.4		20.0			
cis-1,3-Dichloropropene	0.4288 0.4700	0.4323 0.4499	0.4563	0.4537	0.4438	Ave		0.4478			0.2000	3.2		20.0			
4-Methyl-2-pentanone (MIBK)	12.539 14.429	13.573 14.067	14.358	14.717	13.681	Ave		13.909			0.1000	5.2		20.0			
Toluene	0.9386 0.9861	0.9768 0.9336	0.9874	0.9722	0.9355	Ave		0.9615			0.4000	2.6		20.0			
trans-1,3-Dichloropropene	0.4696 0.5169	0.4908 0.5050	0.4927	0.5002	0.4833	Ave		0.4941			0.1000	3.1		20.0			
Ethyl methacrylate	0.3828 0.4333	0.4092 0.4201	0.4090	0.4165	0.4102	Ave		0.4116				3.7		20.0			
1,1,2-Trichloroethane	0.2858 0.2721	0.2743 0.2612	0.2786	0.2785	0.2610	Ave		0.2731			0.1000	3.4		20.0			
Tetrachloroethene	0.4197 0.4594	0.4535 0.4385	0.4551	0.4468	0.4324	Ave		0.4436			0.2000	3.2		20.0			
1,3-Dichloropropane	0.4581 0.4793	0.4819 0.4601	0.4747	0.4790	0.4509	Ave		0.4691				2.7		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 452392

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2023 21:27 Calibration End Date: 12/11/2023 23:41 Calibration ID: 56725

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	9.3148 10.793	10.051 10.128	10.357	10.860	10.166	Ave		10.239			0.1000	5.1		20.0			
Dibromochloromethane	0.3039 0.3574	0.3237 0.3481	0.3342	0.3366	0.3277	Ave		0.3331				5.2		20.0			
1,2-Dibromoethane (EDB)	0.2483 0.2744	0.2788 0.2615	0.2679	0.2662	0.2588	Ave		0.2651			0.1000	3.8		20.0			
1-Chlorohexane	0.5796 0.5419	0.5564 0.5119	0.5351	0.5195	0.5050	Ave		0.5356				4.9		20.0			
Chlorobenzene	1.0892 1.1508	1.1201 1.0944	1.1650	1.1469	1.0953	Ave		1.1231			0.5000	2.8		20.0			
1,1,1,2-Tetrachloroethane	0.3684 0.4062	0.3851 0.3958	0.3891	0.3940	0.3784	Ave		0.3881				3.2		20.0			
Ethylbenzene	1.7777 1.9547	1.8991 1.8651	1.9192	1.8990	1.8267	Ave		1.8774			0.1000	3.2		20.0			
m&p-Xylene	0.7186 0.7824	0.7500 0.7474	0.7818	0.7641	0.7390	Ave		0.7548			0.1000	3.1		20.0			
o-Xylene	0.7154 0.7834	0.7448 0.7463	0.7770	0.7645	0.7327	Ave		0.7520			0.3000	3.2		20.0			
Styrene	1.1374 1.3064	1.2073 1.2544	1.2407	1.2652	1.2173	Ave		1.2327			0.3000	4.3		20.0			
Bromoform	0.2019 0.2235	0.1992 0.2194	0.2030	0.2102	0.2018	Ave		0.2084			0.1000	4.6		20.0			
Isopropylbenzene	1.6699 1.8748	1.7975 1.7795	1.8411	1.8183	1.7517	Ave		1.7904			0.1000	3.7		20.0			
1,1,2,2-Tetrachloroethane	0.5640 0.5926	0.5794 0.5655	0.5953	0.6042	0.5572	Ave		0.5797			0.3000	3.1		20.0			
Bromobenzene	0.8397 0.8626	0.8608 0.8213	0.8977	0.8917	0.8223	Ave		0.8566				3.6		20.0			
trans-1,4-Dichloro-2-butene	0.1424 0.1660	0.1526 0.1597	0.1590	0.1630	0.1538	Ave		0.1566				5.0		20.0			
1,2,3-Trichloropropane	0.1586 0.1541	0.1664 0.1521	0.1605	0.1615	0.1514	Ave		0.1578				3.5		20.0			
N-Propylbenzene	3.6984 3.8693	3.8384 3.6084	3.9508	3.8682	3.6709	Ave		3.7863				3.3		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 452392

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2023 21:27 Calibration End Date: 12/11/2023 23:41 Calibration ID: 56725

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	0.8258 0.8267	0.8399 0.7880	0.8610	0.8423	0.7835	Ave		0.8239				3.5		20.0			
1,3,5-Trimethylbenzene	2.7405 2.9005	2.8241 2.7510	2.9226	2.8921	2.7191	Ave		2.8214				3.0		20.0			
4-Chlorotoluene	0.8727 0.8694	0.8677 0.8259	0.8995	0.8886	0.8198	Ave		0.8634				3.5		20.0			
tert-Butylbenzene	0.5899 0.6721	0.6715 0.6360	0.6845	0.6782	0.6324	Ave		0.6521				5.2		20.0			
Pentachloroethane	0.4267 0.5376	0.4836 0.5218	0.5040	0.5247	0.5085	Ave		0.5010				7.4		20.0			
1,2,4-Trimethylbenzene	2.7863 2.9947	2.8786 2.8458	3.0167	3.0003	2.8013	Ave		2.9034				3.4		20.0			
sec-Butylbenzene	3.3060 3.7033	3.6174 3.4631	3.7003	3.6364	3.4627	Ave		3.5556				4.2		20.0			
1,3-Dichlorobenzene	1.6352 1.7381	1.7560 1.6487	1.7802	1.7424	1.6360	Ave		1.7052			0.6000	3.7		20.0			
p-Isopropyltoluene	3.0307 3.3333	3.2402 3.1372	3.3507	3.2843	3.0956	Ave		3.2103				3.9		20.0			
1,4-Dichlorobenzene	1.7362 1.7572	1.7353 1.6761	1.7706	1.7846	1.6470	Ave		1.7296			0.5000	2.9		20.0			
1,2,3-Trimethylbenzene	1.3012 1.3653	1.3565 1.3011	1.3677	1.3639	1.2791	Ave		1.3335				2.9		20.0			
Benzyl chloride	0.1909 0.2610	0.2133 0.2529	0.2317	0.2394	0.2336	Ave		0.2318				10.2		20.0			
n-Butylbenzene	1.4435 1.6142	1.5513 1.5317	1.6318	1.5967	1.5050	Ave		1.5535				4.3		20.0			
1,2-Dichlorobenzene	1.5397 1.5964	1.5463 1.5097	1.6236	1.5966	1.4827	Ave		1.5564			0.4000	3.3		20.0			
1,2-Dibromo-3-Chloropropane	0.0796 0.0901	0.0788 0.0876	0.0794	0.0789	0.0773	Ave		0.0817			0.0500	6.1		20.0			
1,3,5-Trichlorobenzene	1.1807 1.3170	1.2663 1.2424	1.3235	1.2949	1.2110	Ave		1.2623				4.3		20.0			
1,2,4-Trichlorobenzene	0.8590 1.0730	0.9227 1.0201	0.9946	0.9854	0.9684	Ave		0.9748			0.2000	7.1		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 452392

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2023 21:27 Calibration End Date: 12/11/2023 23:41 Calibration ID: 56725

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.4821 0.5491	0.5325 0.4994	0.5526	0.5408	0.5040	Ave		0.5229				5.3		20.0			
Naphthalene	1.1779 1.6791	1.3481 1.6119	1.4125	1.4469	1.4313	Ave		1.4440				11.5		20.0			
1,2,3-Trichlorobenzene	0.6314 0.8187	0.6667 0.7632	0.6993	0.7162	0.6945	Ave		0.7129				8.7		20.0			
Dibromofluoromethane (Surr)	0.2204 0.2249	0.2222 0.2243	0.2216	0.2233	0.2245	Ave		0.2230				0.8		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0450 0.0450	0.0453 0.0453	0.0456	0.0451	0.0447	Ave		0.0451				0.6		20.0			
Toluene-d8 (Surr)	1.2577 1.2694	1.2566 1.2738	1.2517	1.2711	1.2682	Ave		1.2641				0.7		20.0			
4-Bromofluorobenzene (Surr)	0.5012 0.5121	0.5016 0.5185	0.5053	0.5053	0.5094	Ave		0.5076				1.2		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-164764-1 | Analy Batch No.: 452392

SDG No.:

Instrument ID: 10193 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2023 21:27 | Calibration End Date: 12/11/2023 23:41 | Calibration ID: 56725

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-452392/13	CD11X12.D
Level 2	IC 410-452392/14	CD11X13.D
Level 3	IC 410-452392/15	CD11X14.D
Level 4	IC 410-452392/16	CD11X15.D
Level 5	IC 410-452392/17	CD11X16.D
Level 6	ICIS 410-452392/18	CD11X17.D
Level 7	IC 410-452392/19	CD11X18.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	8700 704975	33896 1766053	68565	136701	339830	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloromethane	FB	Ave	15325 803117	44113 1919302	87431	172697	383043	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Vinyl chloride	FB	Ave	12482 763768	38542 1861110	79907	156221	366917	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Butadiene	FB	Ave	13446 780474	35925 1880721	79847	152957	386491	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromomethane	FB	Ave	9474 510845	26497 1229403	55666	108802	245969	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloroethane	FB	Ave	7859 405704	20994 999693	43549	88044	198869	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dichlorofluoromethane	FB	Ave	21043 1115048	57704 2737082	119240	238929	536920	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Trichlorofluoromethane	FB	Ave	11762 866521	41322 2125145	86592	168904	417459	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl ether	FB	Ave	8410 449973	22196 1095312	45168	90003	218468	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Freon 123a	FB	Ave	12986 629698	33771 1566308	65532	130171	300833	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acrolein	TBAd10	Ave	57731 3360514	151097 8450546	307405	622579	1574224	10.00 500	25.0 1250	50.0	100.0	250
1,1-Dichloroethene	FB	Ave	9061 466728	23600 1113382	47400	90157	221835	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetone	TBAd10	Ave	19060 775360	37640 1465459	68466	157398	299808	2.00 100	5.00 250	10.0	20.0	50.0
Freon 113	FB	Ave	7377 524879	24203 1251194	49956	99193	249666	0.200 10.0	0.500 25.0	1.00	2.00	5.00

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-164764-1 | Analy Batch No.: 452392

SDG No.:

Instrument ID: 10193 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2023 21:27 | Calibration End Date: 12/11/2023 23:41 | Calibration ID: 56725

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methyl iodide	FB	Ave	18303 981576	48933 2390053	98937	193131	464992	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl bromide	FB	Ave	7491 441907	21847 1085147	45368	86812	216163	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon disulfide	FB	Ave	29747 1678820	81023 4093133	162355	313014	779361	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl acetate	TBAd10	Ave	6139 232146	13298 603787	24098	47546	108478	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Allyl chloride	FB	Ave	16859 883740	42464 2162959	87747	171432	416364	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylene Chloride	FB	Ave	10396 545785	28532 1333450	54285	107784	257115	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Butyl alcohol	TBAd10	Ave	14562 592128	34769 1573639	65723	121642	269585	4.00 200	10.0 500	20.0	40.0	100
Acrylonitrile	TBAd10	Ave	6174 272924	15138 710186	29859	59396	127444	0.500 25.0	1.25 62.5	2.50	5.00	12.5
Methyl tert-butyl ether	FB	Ave	28961 1522863	73768 3739425	154163	303894	722804	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,2-Dichloroethene	FB	Ave	10764 556344	27339 1352643	56033	110463	261558	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Hexane	FB	Ave	12579 808320	37001 1927967	72843	148734	374901	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloroethane	FB	Ave	19509 1005944	50939 2475289	103295	201377	485432	0.200 10.0	0.500 25.0	1.00	2.00	5.00
di-Isopropyl ether	FB	Ave	36750 1903110	93219 4697838	189104	377080	898950	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloro-1,3-butadiene	FB	Ave	15439 867976	41191 2122122	84165	162205	401061	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl t-butyl ether	FB	Ave	34261 1830203	89434 4484340	179381	359403	857468	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Butanone (MEK)	TBAd10	Ave	34786 1555121	76267 3863855	155567	312175	731682	2.00 100	5.00 250	10.0	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	11767 629624	31309 1534117	62757	124100	299607	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2,2-Dichloropropane	FB	Ave	17073 830602	43681 2010663	85511	164598	385000	0.200 10.0	0.500 25.0	1.00	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 452392

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2023 21:27 Calibration End Date: 12/11/2023 23:41 Calibration ID: 56725

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	14813 783924	41281 2046857	81437	154424	376174	4.00 200	10.0 500	20.0	40.0	100
Methacrylonitrile	TBAd10	Ave	27620 1549568	72512 3847742	152649	307739	719423	2.00 100	5.00 250	10.0	20.0	50.0
Bromochloromethane	FB	Ave	5353 284196	13510 697705	27883	56405	134071	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrahydrofuran	TBAd10	Ave	4464 222091	11583 549929	22992	46684	106650	1.00 50.0	2.50 125	5.00	10.0	25.0
Chloroform	FB	Ave	22821 994622	53074 2422707	102212	196191	473657	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1-Trichloroethane	FB	Ave	15579 879346	43142 2150263	88101	166904	410011	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Cyclohexane	FB	Ave	14804 1030217	46177 2488742	95410	185183	474323	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon tetrachloride	FB	Ave	13465 802439	36444 1948893	76427	146096	365624	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloropropene	FB	Ave	14319 785600	38158 1928421	78920	149342	367591	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isobutyl alcohol	TBAd10	Ave	13771 561004	27002 1407371	57674	111391	257238	10.0 500	25.0 1250	50.0	100	250
Benzene	FB	Ave	46472 2372895	117681 5758950	240388	461688	1119156	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloroethane	FB	Ave	13315 625013	32239 1512081	62643	125412	295610	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Amyl methyl ether	FB	Ave	31788 1659586	79144 4105797	163740	328386	774496	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Heptane	FB	Ave	14343 857327	39333 2058964	77071	156416	390311	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butanol	TBAd10	Ave	15569 933323	41308 2290397	79548	178332	391669	17.5 875	43.8 2188	87.5	175	438
Trichloroethene	FB	Ave	12030 616114	30455 1493375	61311	120689	287521	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylcyclohexane	FB	Ave	15643 1089973	48454 2616733	98410	193533	500767	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloropropane	FB	Ave	11882 615564	30419 1530766	61262	121957	292772	0.200 10.0	0.500 25.0	1.00	2.00	5.00

FORM VI

GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA

RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 452392

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2023 21:27 Calibration End Date: 12/11/2023 23:41 Calibration ID: 56725

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dioxane	TBAd10	Ave	+++++ 109779	4579 236766	10608	18382	46248	+++++ 500	25.0 1250	50.0	100	250
Methyl methacrylate	TBAd10	Ave	5843 313133	15540 747853	30317	60595	143879	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dibromomethane	FB	Ave	5636 304525	14505 741296	30308	60634	142096	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromodichloromethane	FB	Ave	13510 736839	34512 1816650	70024	140806	344772	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Nitropropane	TBAd10	Ave	8423 447001	19991 1135527	42973	83476	202752	1.00 50.0	2.50 125	5.00	10.0	25.0
1-Bromo-2-chloroethane	FB	Ave	11032 648350	30979 1565129	62600	129220	312762	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,3-Dichloropropene	FB	Ave	17557 965494	43780 2390817	93280	184348	453200	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Methyl-2-pentanone (MIBK)	TBAd10	Ave	72328 4058960	191964 10195457	393595	796870	1887430	2.00 100	5.00 250	10.0	20.0	50.0
Toluene	CBZd5	Ave	29831 1575422	77332 3805439	157020	307852	742678	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,3-Dichloropropene	CBZd5	Ave	14925 825819	38858 2058324	78355	158384	383692	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl methacrylate	CBZd5	Ave	12167 692186	32398 1712572	65043	131876	325668	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2-Trichloroethane	CBZd5	Ave	9082 434673	21717 1064541	44309	88200	207223	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrachloroethene	CBZd5	Ave	13340 733983	35905 1787353	72369	141485	343266	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Dichloropropane	CBZd5	Ave	14560 765671	38150 1875672	75490	151691	357947	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Hexanone	TBAd10	Ave	53729 3036165	142157 7340905	283929	588017	1402425	2.00 100	5.00 250	10.0	20.0	50.0
Dibromochloromethane	CBZd5	Ave	9659 570920	25629 1419064	53153	106587	260164	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromoethane (EDB)	CBZd5	Ave	7892 438405	22075 1066003	42601	84298	205469	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1-Chlorohexane	CBZd5	Ave	18422 865703	44047 2086489	85097	164515	400900	0.200 10.0	0.500 25.0	1.00	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 452392

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2023 21:27 Calibration End Date: 12/11/2023 23:41 Calibration ID: 56725

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZd5	Ave	34616 1838587	88677 4461216	185254	363186	869576	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1,2-Tetrachloroethane	CBZd5	Ave	11707 648925	30486 1613342	61882	124769	300411	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethylbenzene	CBZd5	Ave	56500 3122768	150351 7602583	305197	601320	1450251	0.200 10.0	0.500 25.0	1.00	2.00	5.00
m&p-Xylene	CBZd5	Ave	45680 2500002	118757 6093253	248649	483916	1173333	0.400 20.0	1.00 50.0	2.00	4.00	10.0
o-Xylene	CBZd5	Ave	22736 1251570	58968 3041968	123555	242100	581730	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Styrene	CBZd5	Ave	36148 2087043	95578 5113352	197298	400648	966398	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromoform	CBZd5	Ave	6417 357087	15769 894248	32284	66548	160229	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isopropylbenzene	CBZd5	Ave	53074 2995216	142307 7253779	292782	575778	1390735	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2,2-Tetrachloroethane	DCBd4	Ave	10271 572200	26675 1404574	55267	111086	264242	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromobenzene	DCBd4	Ave	15293 832877	39626 2039981	83345	163952	389945	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,4-Dichloro-2-butene	DCBd4	Ave	25936 1603128	70234 3965883	147630	299683	729396	2.00 100	5.00 250	10.0	20.0	50.0
1,2,3-Trichloropropane	DCBd4	Ave	2889 148787	7660 377790	14899	29701	71794	0.200 10.0	0.500 25.0	1.00	2.00	5.00
N-Propylbenzene	DCBd4	Ave	67357 3735966	176705 8962858	366788	711230	1740820	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chlorotoluene	DCBd4	Ave	15040 798211	38664 1957204	79931	154865	371575	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trimethylbenzene	DCBd4	Ave	49912 2800564	130009 6833167	271334	531756	1289480	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Chlorotoluene	DCBd4	Ave	15894 839467	39945 2051366	83510	163376	388785	0.200 10.0	0.500 25.0	1.00	2.00	5.00
tert-Butylbenzene	DCBd4	Ave	10743 648979	30915 1579695	63551	124693	299921	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Pentachloroethane	DCBd4	Ave	7772 519031	22261 1296195	46792	96474	241155	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trimethylbenzene	DCBd4	Ave	50745 2891517	132518 7068513	280066	551654	1328434	0.200 10.0	0.500 25.0	1.00	2.00	5.00
sec-Butylbenzene	DCBd4	Ave	60211 3575738	166533 8601972	343532	668614	1642103	0.200 10.0	0.500 25.0	1.00	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 452392

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2023 21:27 Calibration End Date: 12/11/2023 23:41 Calibration ID: 56725

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,3-Dichlorobenzene	DCBd4	Ave	29782 1678162	80838 4095253	165270	320367	775814	0.200 10.0	0.500 25.0	1.00	2.00	5.00
p-Isopropyltoluene	DCBd4	Ave	55197 3218405	149167 7792341	311071	603870	1468012	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dichlorobenzene	DCBd4	Ave	31621 1696617	79885 4163217	164377	328133	781058	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trimethylbenzene	DCBd4	Ave	23698 1318241	62447 3231668	126980	250783	606581	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Benzyl chloride	DCBd4	Ave	3477 251995	9818 628233	21507	44022	110788	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butylbenzene	DCBd4	Ave	26290 1558615	71415 3804524	151491	293574	713710	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichlorobenzene	DCBd4	Ave	28042 1541377	71186 3749917	150731	293562	703130	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	1449 87009	3628 217672	7374	14509	36662	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trichlorobenzene	DCBd4	Ave	21504 1271651	58297 3085921	122874	238093	574272	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trichlorobenzene	DCBd4	Ave	15645 1036062	42479 2533868	92333	181190	459227	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Hexachlorobutadiene	DCBd4	Ave	8781 530205	24515 1240392	51303	99437	238986	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Naphthalene	DCBd4	Ave	21452 1621269	62062 4003750	131132	266032	678769	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trichlorobenzene	DCBd4	Ave	11499 790460	30694 1895775	64925	131691	329360	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dibromofluoromethane (Surr)	FB	Ave	451144 462070	450039 476883	453124	453645	458570	10.0 10.0	10.0 10.0	10.0	10.0	10.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	92180 92379	91735 96347	93174	91681	91235	10.0 10.0	10.0 10.0	10.0	10.0	10.0
Toluene-d8 (Surr)	CBZd5	Ave	1998646 2027962	1989735 2076985	1990550	2012517	2013700	10.0 10.0	10.0 10.0	10.0	10.0	10.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	796512 818052	794297 845362	803520	800096	808909	10.0 10.0	10.0 10.0	10.0	10.0	10.0

Curve Type Legend:
Ave = Average ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-164764-1 | Analy Batch No.: 452392

SDG No.:

Instrument ID: 10193 | GC Column: R-624SilMS 3 ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2023 21:27 | Calibration End Date: 12/11/2023 23:41 | Calibration ID: 56725

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-452392/13	CD11X12.D
Level 2	IC 410-452392/14	CD11X13.D
Level 3	IC 410-452392/15	CD11X14.D
Level 4	IC 410-452392/16	CD11X15.D
Level 5	IC 410-452392/17	CD11X16.D
Level 6	ICIS 410-452392/18	CD11X17.D
Level 7	IC 410-452392/19	CD11X18.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	-33.2 4.4	5.2	5.4	5.7	4.6	7.8	50 30	30	30	30	30	30
Chloromethane	-6.1 -9.4	9.3	7.3	6.6	-5.9	-1.9	50 30	30	30	30	30	30
Vinyl chloride	-16.1 -3.6	4.8	7.6	5.9	-1.1	2.4	50 30	30	30	30	30	30
1,3-Butadiene	-10.3 -3.3	-3.1	6.7	2.8	3.4	3.8	50 30	30	30	30	30	30
Bromomethane	-7.7 -7.7	4.4	8.7	6.9	-3.9	-0.8	50 30	30	30	30	30	30
Chloroethane	-4.7 -6.6	3.0	5.8	7.6	-3.3	-1.9	50 30	30	30	30	30	30
Dichlorofluoromethane	-6.3 -6.1	3.9	6.4	7.2	-4.1	-1.0	50 30	30	30	30	30	30
Trichlorofluoromethane	-27.3 1.2	3.3	7.2	5.2	3.5	6.8	50 30	30	30	30	30	30
Ethyl ether	-4.5 -4.2	1.9	2.7	2.9	-0.6	1.8	50 30	30	30	30	30	30
Freon 123a	1.5 -5.7	6.7	2.6	2.5	-5.7	-1.9	50 30	30	30	30	30	30
Acrolein	-10.7 4.1	-4.6	0.1	2.6	1.9	6.6	50 30	30	30	30	30	30
1,1-Dichloroethene	-0.8 -6.1	4.4	3.9	-0.6	-2.6	1.8	50 30	30	30	30	30	30
Acetone	26.2 -22.7	1.7	-4.6	11.1	-17.0	5.3	50 30	30	30	30	30	30
Freon 113	-23.2 0.3	1.8	4.1	4.0	4.2	8.8	50 30	30	30	30	30	30
Methyl iodide	-4.4 -3.8	3.4	3.5	1.7	-2.6	2.2	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 452392

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2023 21:27 Calibration End Date: 12/11/2023 23:41 Calibration ID: 56725

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Ethyl bromide	-12.6 -2.4	3.1	6.0	2.1	1.1	2.8	50 30	30	30	30	30	30
Carbon disulfide	-6.5 -0.9	2.9	2.2	-0.9	-1.8	5.1	50 30	30	30	30	30	30
Methyl acetate	20.0 -6.0	6.0	-0.9	-1.0	-11.3	-6.9	50 30	30	30	30	30	30
Allyl chloride	-1.5 -2.7	0.3	2.6	0.9	-2.5	2.9	50 30	30	30	30	30	30
Methylene Chloride	-3.1 -4.3	7.5	1.3	1.2	-3.9	1.4	50 30	30	30	30	30	30
t-Butyl alcohol	11.4 -4.2	8.5	5.8	-0.8	-13.7	-7.1	50 30	30	30	30	30	30
Acrylonitrile	4.1 -4.7	4.0	5.9	6.6	-10.2	-5.7	50 30	30	30	30	30	30
Methyl tert-butyl ether	-2.7 -3.2	0.2	3.7	2.8	-2.7	1.9	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	-1.1 -4.2	1.6	3.1	2.3	-3.6	1.9	50 30	30	30	30	30	30
n-Hexane	-14.6 0.8	1.6	-1.0	1.7	2.0	9.4	50 30	30	30	30	30	30
1,1-Dichloroethane	-2.2 -4.4	3.2	3.7	1.7	-2.4	0.5	50 30	30	30	30	30	30
di-Isopropyl ether	-1.2 -2.7	1.3	1.8	2.1	-3.1	1.9	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-6.0 -0.5	1.4	2.6	-0.5	-2.1	5.3	50 30	30	30	30	30	30
Ethyl t-butyl ether	-3.3 -2.5	2.1	1.4	2.2	-2.9	3.0	50 30	30	30	30	30	30
2-Butanone (MEK)	8.2 -4.4	-3.3	1.8	3.4	-4.9	-0.8	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	-4.1 -3.7	3.2	2.4	1.9	-2.1	2.3	50 30	30	30	30	30	30
2,2-Dichloropropane	3.1 -6.5	6.6	3.4	0.2	-6.8	0.0	50 30	30	30	30	30	30
Propionitrile	-8.5 0.6	4.0	5.8	1.6	-2.9	-0.7	50 30	30	30	30	30	30
Methacrylonitrile	-9.9 -0.1	-3.5	4.8	7.0	-1.9	3.7	50 30	30	30	30	30	30
Bromochloromethane	-2.7 -2.3	-0.7	1.5	3.3	-2.3	3.0	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 452392

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2023 21:27 Calibration End Date: 12/11/2023 23:41 Calibration ID: 56725

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Tetrahydrofuran	-3.5 -5.4	2.1	4.6	7.5	-3.6	-1.6	50 30	30	30	30	30	30
Chloroform	12.5 -8.0	5.8	0.9	-2.5	-6.4	-2.3	50 30	30	30	30	30	30
1,1,1-Trichloroethane	-7.6 -1.7	3.5	4.7	-0.2	-2.5	4.0	50 30	30	30	30	30	30
Cyclohexane	-20.3 3.3	0.6	2.9	0.5	2.4	10.6	50 30	30	30	30	30	30
Carbon tetrachloride	-9.3 1.2	-0.7	3.1	-0.8	-1.2	7.8	50 30	30	30	30	30	30
1,1-Dichloropropene	-5.3 -1.7	2.0	4.5	-0.5	-2.5	3.5	50 30	30	30	30	30	30
Isobutyl alcohol	17.2 -4.7	-6.3	3.3	1.0	-8.5	-2.1	50 30	30	30	30	30	30
Benzene	0.0 -4.5	2.4	3.6	0.1	-3.4	1.8	50 30	30	30	30	30	30
1,2-Dichloroethane	6.5 -6.8	4.3	0.4	1.1	-5.2	-0.3	50 30	30	30	30	30	30
t-Amyl methyl ether	-1.3 -1.8	-0.6	1.8	2.7	-3.6	2.7	50 30	30	30	30	30	30
n-Heptane	-8.8 0.9	1.2	-1.8	0.3	-0.4	8.7	50 30	30	30	30	30	30
n-Butanol	-10.6 4.7	-3.3	-3.9	9.1	-6.0	9.9	50 30	30	30	30	30	30
Trichloroethene	0.1 -4.2	2.5	2.2	1.2	-4.0	2.2	50 30	30	30	30	30	30
Methylcyclohexane	-19.7 3.5	0.5	1.1	0.1	3.0	11.5	50 30	30	30	30	30	30
1,2-Dichloropropane	-1.6 -2.3	1.8	1.6	1.8	-2.8	1.6	50 30	30	30	30	30	30
1,4-Dioxane	+++++ -6.8	-7.6	10.4	-3.1	-4.3	11.4	30	50	30	30	30	30
Methyl methacrylate	-5.8 -4.0	2.2	2.9	4.1	-3.0	3.6	50 30	30	30	30	30	30
Dibromomethane	-4.2 -2.9	-0.3	3.2	3.9	-3.1	3.2	50 30	30	30	30	30	30
Bromodichloromethane	-3.7 -0.2	-0.5	0.0	1.2	-1.4	4.7	50 30	30	30	30	30	30
2-Nitropropane	-3.6 3.4	-6.7	3.4	1.7	-3.0	4.8	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 452392

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2023 21:27 Calibration End Date: 12/11/2023 23:41 Calibration ID: 56725

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1-Bromo-2-chloroethane	-10.9 -2.6	1.2	1.3	5.2	1.3	4.4	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-4.3 0.5	-3.5	1.9	1.3	-0.9	4.9	50 30	30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	-9.8 1.1	-2.4	3.2	5.8	-1.6	3.7	50 30	30	30	30	30	30
Toluene	-2.4 -2.9	1.6	2.7	1.1	-2.7	2.6	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-5.0 2.2	-0.7	-0.3	1.2	-2.2	4.6	50 30	30	30	30	30	30
Ethyl methacrylate	-7.0 2.1	-0.6	-0.6	1.2	-0.3	5.3	50 30	30	30	30	30	30
1,1,2-Trichloroethane	4.6 -4.4	0.5	2.0	2.0	-4.4	-0.4	50 30	30	30	30	30	30
Tetrachloroethene	-5.4 -1.2	2.2	2.6	0.7	-2.5	3.6	50 30	30	30	30	30	30
1,3-Dichloropropane	-2.4 -1.9	2.7	1.2	2.1	-3.9	2.2	50 30	30	30	30	30	30
2-Hexanone	-9.0 -1.1	-1.8	1.2	6.1	-0.7	5.4	50 30	30	30	30	30	30
Dibromochloromethane	-8.8 4.5	-2.8	0.3	1.1	-1.6	7.3	50 30	30	30	30	30	30
1,2-Dibromoethane (EDB)	-6.3 -1.4	5.2	1.0	0.4	-2.4	3.5	50 30	30	30	30	30	30
1-Chlorohexane	8.2 -4.4	3.9	-0.1	-3.0	-5.7	1.2	50 30	30	30	30	30	30
Chlorobenzene	-3.0 -2.6	-0.3	3.7	2.1	-2.5	2.5	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-5.1 2.0	-0.8	0.3	1.5	-2.5	4.7	50 30	30	30	30	30	30
Ethylbenzene	-5.3 -0.7	1.2	2.2	1.2	-2.7	4.1	50 30	30	30	30	30	30
m&p-Xylene	-4.8 -1.0	-0.6	3.6	1.2	-2.1	3.7	50 30	30	30	30	30	30
o-Xylene	-4.9 -0.8	-1.0	3.3	1.7	-2.6	4.2	50 30	30	30	30	30	30
Styrene	-7.7 1.8	-2.1	0.7	2.6	-1.2	6.0	50 30	30	30	30	30	30
Bromoform	-3.1 5.3	-4.4	-2.6	0.8	-3.2	7.2	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.: 410-164764-1 Analy Batch No.: 452392

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2023 21:27 Calibration End Date: 12/11/2023 23:41 Calibration ID: 56725

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Isopropylbenzene	-6.7 -0.6	0.4	2.8	1.6	-2.2	4.7	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-2.7 -2.5	-0.1	2.7	4.2	-3.9	2.2	50 30	30	30	30	30	30
Bromobenzene	-2.0 -4.1	0.5	4.8	4.1	-4.0	0.7	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-9.1 1.9	-2.6	1.5	4.1	-1.8	6.0	50 30	30	30	30	30	30
1,2,3-Trichloropropane	0.5 -3.6	5.4	1.7	2.4	-4.1	-2.3	50 30	30	30	30	30	30
N-Propylbenzene	-2.3 -4.7	1.4	4.3	2.2	-3.0	2.2	50 30	30	30	30	30	30
2-Chlorotoluene	0.2 -4.4	1.9	4.5	2.2	-4.9	0.3	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-2.9 -2.5	0.1	3.6	2.5	-3.6	2.8	50 30	30	30	30	30	30
4-Chlorotoluene	1.1 -4.3	0.5	4.2	2.9	-5.0	0.7	50 30	30	30	30	30	30
tert-Butylbenzene	-9.5 -2.5	3.0	5.0	4.0	-3.0	3.1	50 30	30	30	30	30	30
Pentachloroethane	-14.8 4.2	-3.5	0.6	4.7	1.5	7.3	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-4.0 -2.0	-0.9	3.9	3.3	-3.5	3.1	50 30	30	30	30	30	30
sec-Butylbenzene	-7.0 -2.6	1.7	4.1	2.3	-2.6	4.2	50 30	30	30	30	30	30
1,3-Dichlorobenzene	-4.1 -3.3	3.0	4.4	2.2	-4.1	1.9	50 30	30	30	30	30	30
p-Isopropyltoluene	-5.6 -2.3	0.9	4.4	2.3	-3.6	3.8	50 30	30	30	30	30	30
1,4-Dichlorobenzene	0.4 -3.1	0.3	2.4	3.2	-4.8	1.6	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-2.4 -2.4	1.7	2.6	2.3	-4.1	2.4	50 30	30	30	30	30	30
Benzyl chloride	-17.6 9.1	-8.0	-0.1	3.3	0.8	12.6	50 30	30	30	30	30	30
n-Butylbenzene	-7.1 -1.4	-0.1	5.0	2.8	-3.1	3.9	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-1.1 -3.0	-0.7	4.3	2.6	-4.7	2.6	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.: 410-164764-1 Analy Batch No.: 452392

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2023 21:27 Calibration End Date: 12/11/2023 23:41 Calibration ID: 56725

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,2-Dibromo-3-Chloropropane	-2.6 7.3	-3.5	-2.8	-3.4	-5.4	10.3	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-6.5 -1.6	0.3	4.9	2.6	-4.1	4.3	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-11.9 4.7	-5.3	2.0	1.1	-0.7	10.1	50 30	30	30	30	30	30
Hexachlorobutadiene	-7.8 -4.5	1.8	5.7	3.4	-3.6	5.0	50 30	30	30	30	30	30
Naphthalene	-18.4 11.6	-6.6	-2.2	0.2	-0.9	16.3	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-11.4 7.1	-6.5	-1.9	0.5	-2.6	14.8	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	-1.2 0.6	-0.4	-0.6	0.1	0.7	0.8	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	-0.3 0.4	0.3	1.0	0.0	-1.0	-0.4	50 30	30	30	30	30	30
Toluene-d8 (Surr)	-0.5 0.8	-0.6	-1.0	0.6	0.3	0.4	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-1.3 2.1	-1.2	-0.5	-0.5	0.4	0.9	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X12.D
Lims ID: IC std1 0.2
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 11-Dec-2023 21:27:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0101546-013
Misc. Info.: IC STD1 0.2
Operator ID: gaw91131 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 14-Dec-2023 10:49:39 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: UKEK Date: 14-Dec-2023 10:40:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.823	1.817	0.006	98	8700	0.2000	0.1336	
5 Chloromethane	50	2.000	2.000	0.000	99	15325	0.2000	0.1878	
6 Vinyl chloride	62	2.098	2.110	-0.012	97	12482	0.2000	0.1679	
7 Butadiene	39	2.110	2.110	0.000	93	13446	0.2000	0.1794	
9 Bromomethane	94	2.415	2.409	0.006	90	9474	0.2000	0.1847	
10 Chloroethane	64	2.469	2.470	-0.001	97	7859	0.2000	0.1907	
11 Dichlorofluoromethane	67	2.701	2.701	0.000	97	21043	0.2000	0.1874	
12 Trichlorofluoromethane	101	2.762	2.762	0.000	87	11762	0.2000	0.1454	
13 Pentane	43	2.768	2.762	0.006	98	15212	0.2000	0.1776	
14 Ethyl ether	59	2.957	2.957	0.000	93	8410	0.2000	0.1909	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.055	3.055	0.000	75	12986	0.2000	0.2030	M
17 Acrolein	56	3.122	3.110	0.012	99	57731	10.0	8.93	
18 1,1-Dichloroethene	96	3.238	3.232	0.006	98	9061	0.2000	0.1983	
20 Acetone	43	3.274	3.268	0.006	99	19060	2.00	2.52	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.286	3.287	-0.001	87	7377	0.2000	0.1535	
22 Iodomethane	142	3.408	3.409	0.000	99	18303	0.2000	0.1912	
24 Isopropyl alcohol	45	3.408	3.421	-0.013	34	8321	4.00	4.94	
23 Ethyl bromide	108	3.439	3.433	0.006	95	7491	0.2000	0.1748	
25 Carbon disulfide	76	3.500	3.500	0.000	99	29747	0.2000	0.1869	
26 Methyl acetate	43	3.634	3.646	-0.012	20	6139	0.2000	0.2401	M
29 3-Chloro-1-propene	41	3.664	3.665	-0.001	89	16859	0.2000	0.1969	
30 Methylene Chloride	84	3.829	3.829	0.000	92	10396	0.2000	0.1937	
* 31 t-Butyl alcohol-d10 (IS)	65	3.841	3.853	-0.012	97	144204	50.0	50.0	
32 2-Methyl-2-propanol	59	3.957	3.969	-0.012	92	14562	4.00	4.46	
33 Acrylonitrile	53	4.158	4.152	0.006	90	6174	0.5000	0.5203	
35 trans-1,2-Dichloroethene	96	4.201	4.201	0.000	99	10764	0.2000	0.1978	
34 Methyl tert-butyl ether	73	4.207	4.207	0.000	92	28961	0.2000	0.1945	
36 Hexane	57	4.634	4.628	0.006	91	12579	0.2000	0.1708	
37 1,1-Dichloroethane	63	4.871	4.872	-0.001	96	19509	0.2000	0.1955	
39 Isopropyl ether	45	4.945	4.933	0.011	93	36750	0.2000	0.1975	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.981	4.975	0.006	93	15439	0.2000	0.1879	
41 Tert-butyl ethyl ether	59	5.481	5.481	0.000	97	34261	0.2000	0.1934	M
42 2-Butanone (MEK)	43	5.694	5.682	0.012	99	34786	2.00	2.16	M
43 cis-1,2-Dichloroethene	96	5.707	5.719	-0.012	85	11767	0.2000	0.1918	
44 2,2-Dichloropropane	77	5.731	5.731	0.000	85	17073	0.2000	0.2062	
45 Propionitrile	54	5.804	5.780	0.024	98	14813	4.00	3.66	
47 Methacrylonitrile	67	5.999	5.999	0.000	90	27620	2.00	1.80	
48 Chlorobromomethane	128	6.054	6.048	0.006	91	5353	0.2000	0.1947	
49 Tetrahydrofuran	71	6.066	6.054	0.012	80	4464	1.00	0.9648	a
S 52 1,2-Dichloroethene, Total	100				0			0.3896	
50 Chloroform	83	6.219	6.213	0.006	93	22821	0.2000	0.2250	
$ 54 Dibromofluoromethane (Surr)	113	6.426	6.426	0.000	94	451144	10.0	9.88	
53 1,1,1-Trichloroethane	97	6.432	6.432	0.000	36	15579	0.2000	0.1848	
55 Cyclohexane	56	6.530	6.530	0.000	89	14804	0.2000	0.1595	
56 Carbon tetrachloride	117	6.639	6.640	-0.001	85	13465	0.2000	0.1814	
57 1,1-Dichloropropene	75	6.645	6.646	-0.001	93	14319	0.2000	0.1894	
58 Isobutyl alcohol	41	6.847	6.841	0.006	93	13771	10.0	11.7	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.889	6.890	-0.001	99	92180	10.0	9.97	
60 Benzene	78	6.920	6.914	0.006	93	46472	0.2000	0.2000	
61 1,2-Dichloroethane	62	6.987	6.987	0.000	96	13315	0.2000	0.2130	
64 Tert-amyl methyl ether	73	7.121	7.121	0.000	98	31788	0.2000	0.1974	
* 65 Fluorobenzene (IS)	96	7.328	7.335	-0.007	99	2047394	10.0	10.0	
66 n-Heptane	43	7.346	7.347	-0.001	41	14343	0.2000	0.1825	
67 n-Butanol	56	7.743	7.743	0.000	92	15569	17.5	15.6	
68 Trichloroethene	95	7.816	7.816	0.000	98	12030	0.2000	0.2003	
69 Methylcyclohexane	83	8.127	8.127	0.000	86	15643	0.2000	0.1605	
70 1,2-Dichloropropane	63	8.157	8.158	-0.001	96	11882	0.2000	0.1968	
71 2-ethoxy-2-methyl butane	87	8.188	8.182	0.006	94	18507	0.2000	0.1919	
74 1,4-Dioxane	88	8.261	8.261	0.000	32	1426	10.0	7.06	M
73 Methyl methacrylate	69	8.255	8.261	-0.006	93	5843	0.2000	0.1885	
72 Dibromomethane	93	8.255	8.267	-0.012	83	5636	0.2000	0.1917	
76 Dichlorobromomethane	83	8.511	8.517	-0.006	98	13510	0.2000	0.1926	
77 2-Nitropropane	41	8.810	8.810	0.000	97	8423	1.00	0.9636	
78 1-Bromo-2-chloroethane	63	8.913	8.914	-0.001	98	11032	0.2000	0.1783	
80 cis-1,3-Dichloropropene	75	9.084	9.090	-0.006	96	17557	0.2000	0.1915	
82 4-Methyl-2-pentanone (MIBK)	43	9.291	9.292	-0.001	96	72328	2.00	1.80	
$ 83 Toluene-d8 (Surr)	98	9.413	9.413	0.000	93	1998646	10.0	9.95	
84 Toluene	92	9.492	9.499	-0.007	99	29831	0.2000	0.1952	
85 trans-1,3-Dichloropropene	75	9.785	9.779	0.006	93	14925	0.2000	0.1901	
86 Ethyl methacrylate	69	9.858	9.858	0.000	88	12167	0.2000	0.1860	
87 1,1,2-Trichloroethane	97	9.992	9.993	-0.001	91	9082	0.2000	0.2093	
S 107 1,3-Dichloropropene, Total	100				0			0.3816	
88 Tetrachloroethene	166	10.072	10.072	0.000	96	13340	0.2000	0.1892	
89 1,3-Dichloropropane	76	10.163	10.163	0.000	91	14560	0.2000	0.1953	
106 2-Hexanone	43	10.236	10.230	0.006	96	53729	2.00	1.82	
108 Chlorodibromomethane	129	10.382	10.383	-0.001	93	9659	0.2000	0.1825	
110 Ethylene Dibromide	107	10.492	10.492	0.000	96	7892	0.2000	0.1873	
* 111 Chlorobenzene-d5 (IS)	117	10.943	10.950	-0.007	85	1589112	10.0	10.0	
112 1-Chlorohexane	91	10.968	10.968	0.000	90	18422	0.2000	0.2164	
113 Chlorobenzene	112	10.974	10.974	0.000	97	34616	0.2000	0.1940	
115 Ethylbenzene	91	11.065	11.066	-0.001	98	56500	0.2000	0.1894	
114 1,1,1,2-Tetrachloroethane	131	11.065	11.066	-0.001	93	11707	0.2000	0.1898	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.187	11.187	0.000	97	45680	0.4000	0.3809	
S 117 Xylenes, Total	106				0			0.5711	
118 o-Xylene	106	11.529	11.529	0.000	96	22736	0.2000	0.1903	
119 Styrene	104	11.541	11.541	0.000	95	36148	0.2000	0.1845	
120 Bromoform	173	11.699	11.700	-0.001	96	6417	0.2000	0.1937	
121 Isopropylbenzene	105	11.840	11.840	0.000	96	53074	0.2000	0.1865	
$ 124 4-Bromofluorobenzene (Surr)	95	11.980	11.980	0.000	93	796512	10.0	9.87	
126 1,1,2,2-Tetrachloroethane	83	12.096	12.096	0.000	69	10271	0.2000	0.1946	
125 Bromobenzene	156	12.096	12.102	-0.006	91	15293	0.2000	0.1961	
127 trans-1,4-Dichloro-2-butene	53	12.120	12.120	0.000	92	25936	2.00	1.82	
128 1,2,3-Trichloropropane	110	12.138	12.139	0.000	76	2889	0.2000	0.2010	
129 N-Propylbenzene	91	12.175	12.175	0.000	98	67357	0.2000	0.1954	
130 2-Chlorotoluene	126	12.248	12.248	0.000	97	15040	0.2000	0.2005	
131 1,3,5-Trimethylbenzene	105	12.315	12.321	-0.006	94	49912	0.2000	0.1943	
132 4-Chlorotoluene	126	12.346	12.346	0.000	95	15894	0.2000	0.2022	
133 tert-Butylbenzene	134	12.565	12.565	0.000	92	10743	0.2000	0.1809	
134 Pentachloroethane	167	12.595	12.596	-0.001	77	7772	0.2000	0.1704	
135 1,2,4-Trimethylbenzene	105	12.608	12.608	0.000	97	50745	0.2000	0.1919	
136 sec-Butylbenzene	105	12.730	12.730	0.000	94	60211	0.2000	0.1860	
137 1,3-Dichlorobenzene	146	12.827	12.827	0.000	97	29782	0.2000	0.1918	
138 4-Isopropyltoluene	119	12.845	12.846	-0.001	97	55197	0.2000	0.1888	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	910627	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.900	12.901	-0.001	95	31621	0.2000	0.2008	
141 1,2,3-Trimethylbenzene	120	12.919	12.919	0.000	97	23698	0.2000	0.1951	
142 Benzyl chloride	126	12.986	12.986	0.000	98	3477	0.2000	0.1647	
145 p-Diethylbenzene	119	13.120	13.120	0.000	95	34178	0.2000	0.1892	
143 n-Butylbenzene	92	13.138	13.138	0.000	97	26290	0.2000	0.1858	
144 1,2-Dichlorobenzene	146	13.169	13.169	0.000	98	28042	0.2000	0.1979	
148 1,2-Dibromo-3-Chloropropane	155	13.717	13.717	0.000	84	1449	0.2000	0.1948	
149 1,3,5-Trichlorobenzene	180	13.845	13.845	0.000	97	21504	0.2000	0.1871	
150 1,2,4-Trichlorobenzene	180	14.278	14.272	0.006	94	15645	0.2000	0.1763	
151 Hexachlorobutadiene	225	14.363	14.364	-0.001	97	8781	0.2000	0.1844	
152 Naphthalene	128	14.461	14.455	0.006	97	21452	0.2000	0.1631	
153 1,2,3-Trichlorobenzene	180	14.607	14.601	0.006	95	11499	0.2000	0.1771	
154 2-Methylnaphthalene	142	15.217	15.217	0.000	94	4063	0.2000	0.1150	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00107	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00117	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00182	Amount Added:	2.00	Units: uL	
MSV_29_826ISS_00052	Amount Added:	1.00	Units: uL	Run Reagent

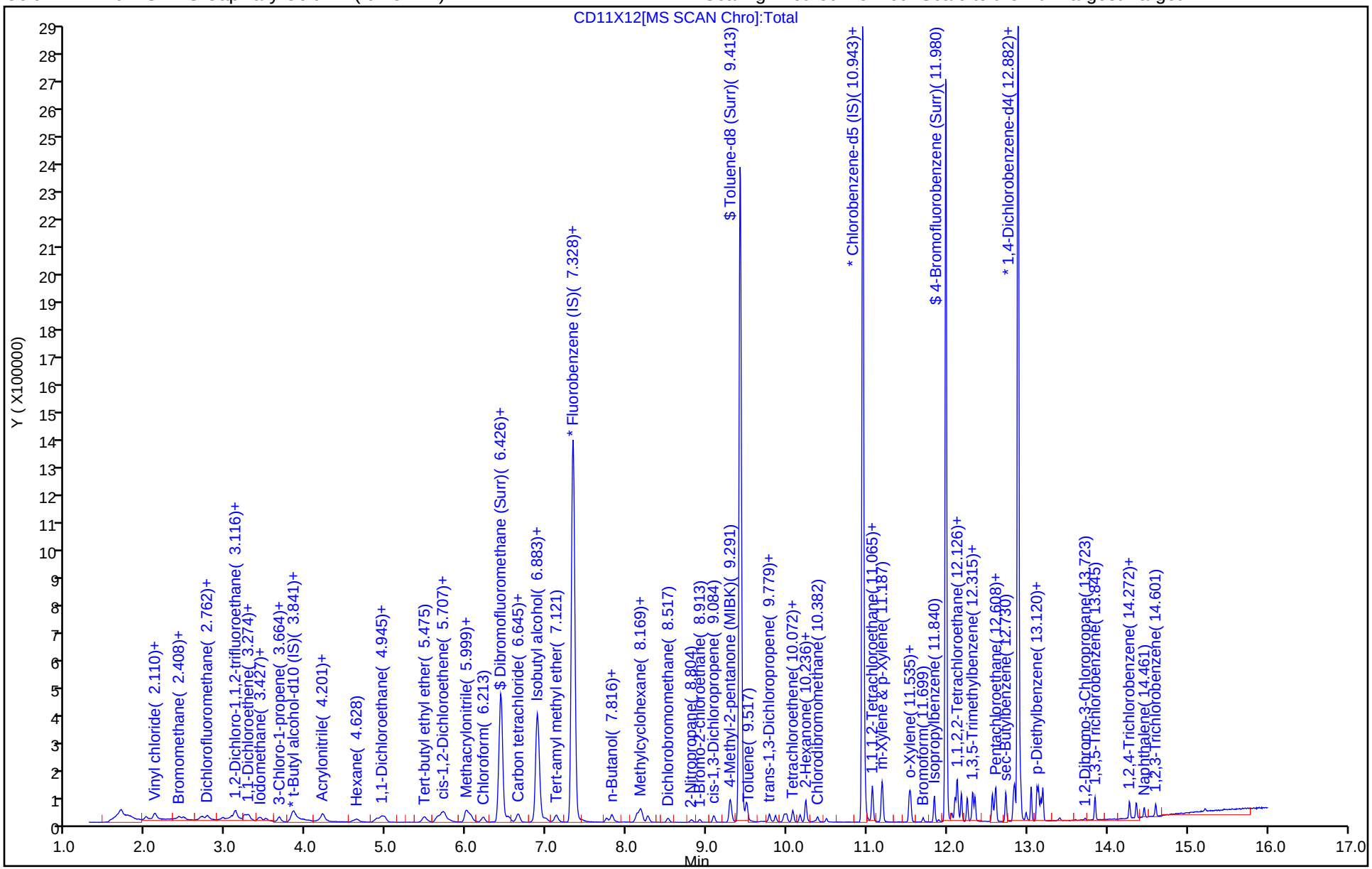
Report Date: 14-Dec-2023 10:49:40 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X12.D

Injection Date:	11-Dec-2023 21:27:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	IC std1 0.2			Worklist Smp#:	13
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

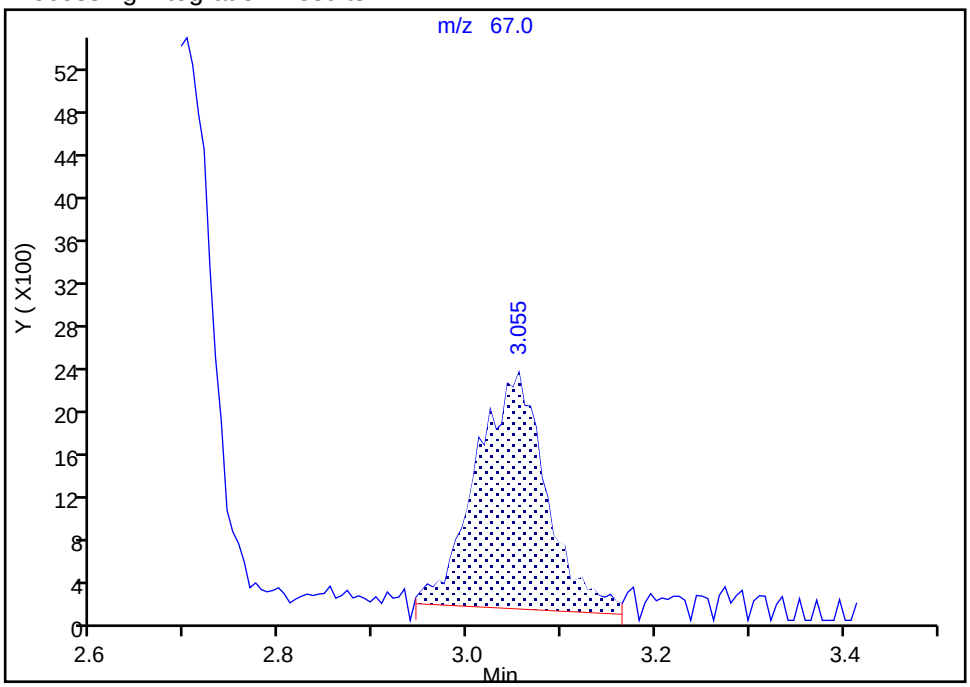
Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X12.D
Injection Date: 11-Dec-2023 21:27:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

16 1,2-Dichloro-1,1,2-trifluoroetha, CAS: 354-23-4

Signal: 1

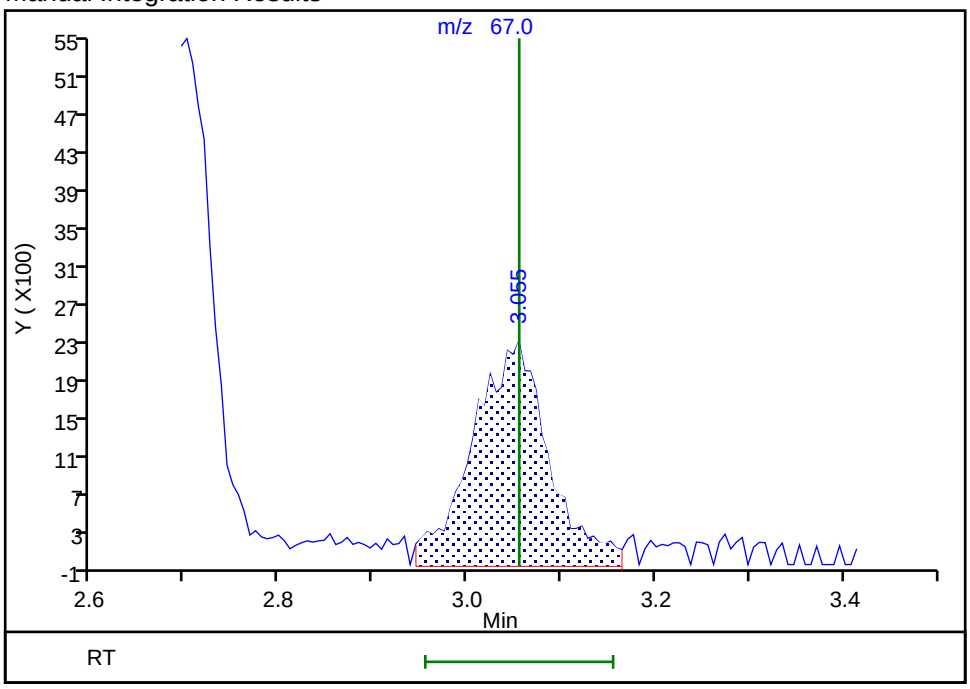
Processing Integration Results

RT: 3.05
Area: 11511
Amount: 0.000019
Amount Units: ug/l



Manual Integration Results

RT: 3.05
Area: 12986
Amount: 0.202983
Amount Units: ug/l



Reviewer: DVW2, 12-Dec-2023 10:54:14 -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

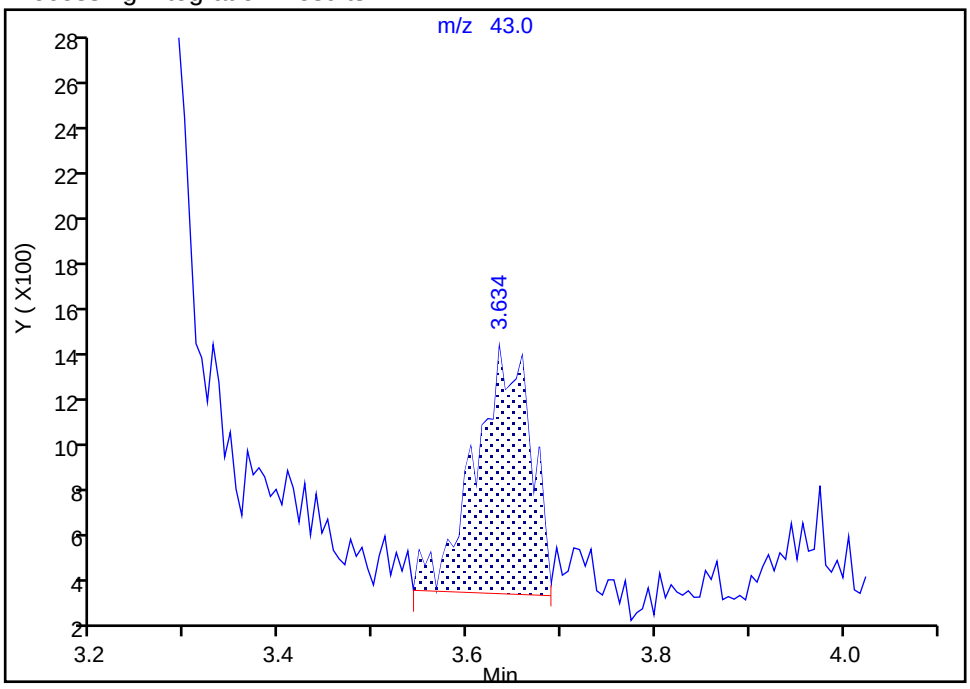
Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X12.D
Injection Date: 11-Dec-2023 21:27:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

26 Methyl acetate, CAS: 79-20-9

Signal: 1

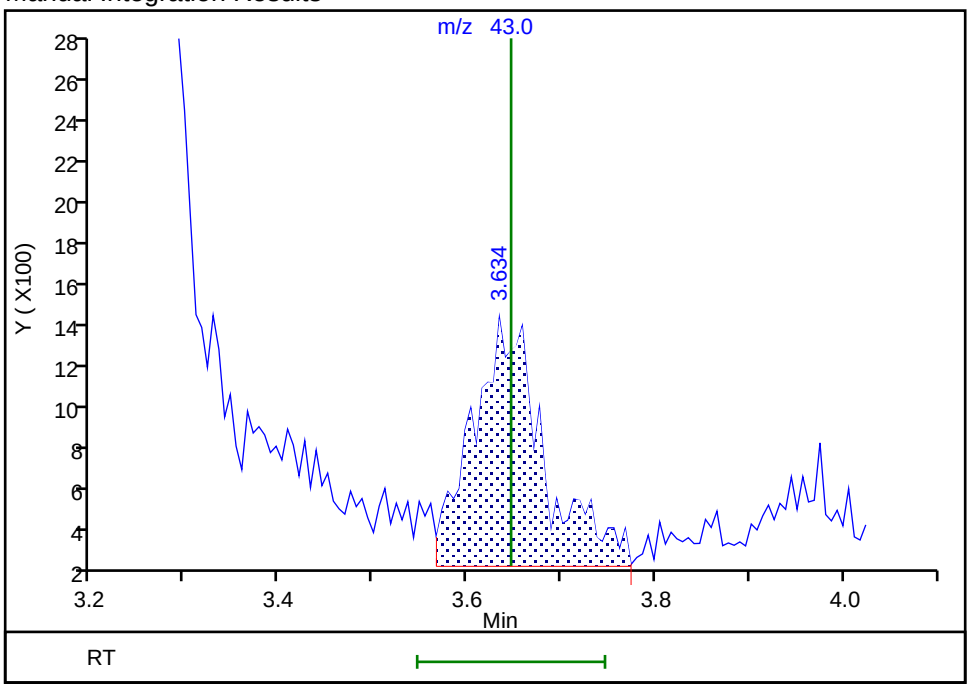
Processing Integration Results

RT: 3.63
Area: 4392
Amount: 0.001211
Amount Units: ug/l



Manual Integration Results

RT: 3.63
Area: 6139
Amount: 0.240080
Amount Units: ug/l



Reviewer: DVW2, 12-Dec-2023 10:54:32 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

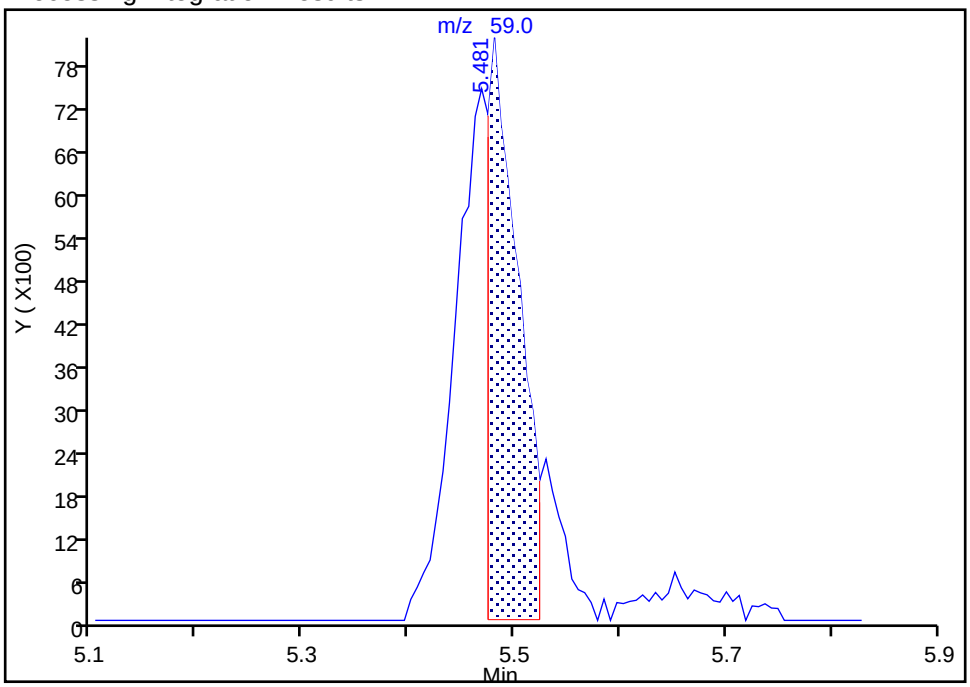
Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X12.D
Injection Date: 11-Dec-2023 21:27:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

41 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

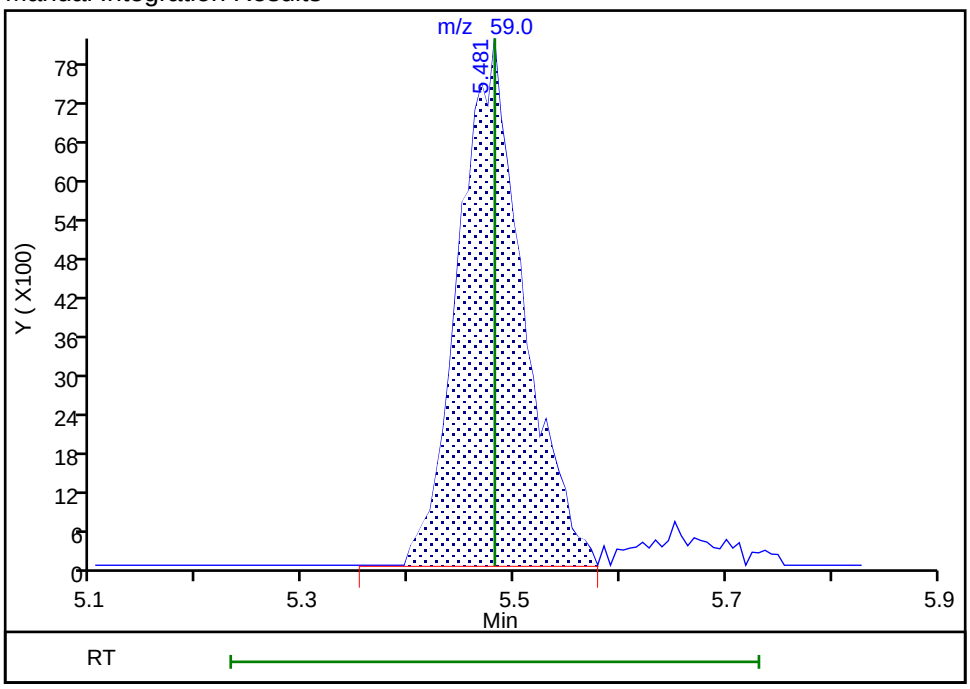
Processing Integration Results

RT: 5.48
Area: 17004
Amount: 0.000163
Amount Units: ug/l



Manual Integration Results

RT: 5.48
Area: 34261
Amount: 0.193423
Amount Units: ug/l



Reviewer: DVW2, 12-Dec-2023 10:54:49 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

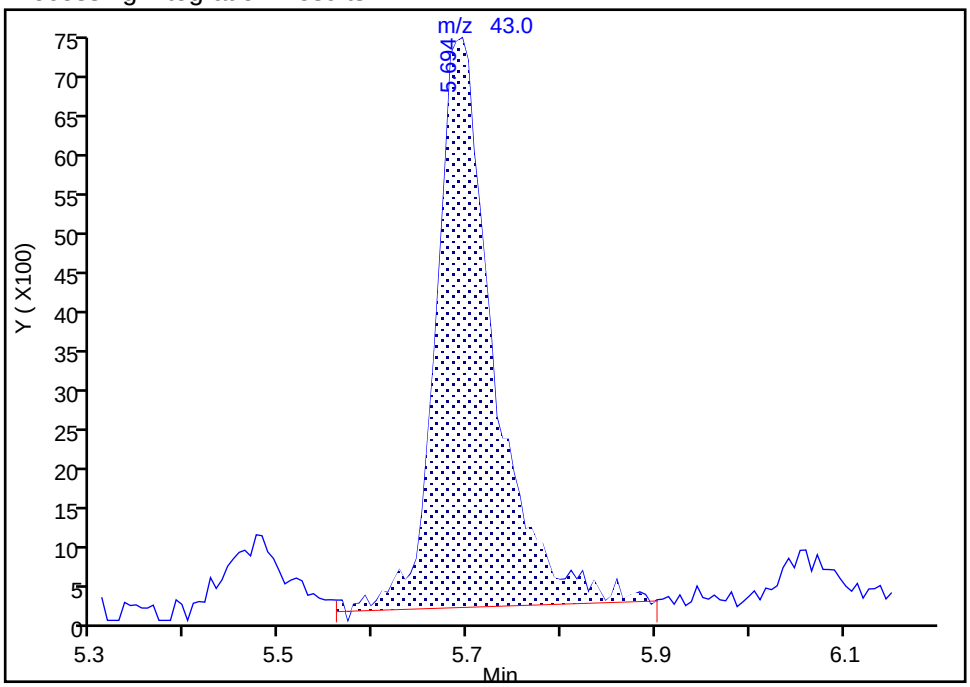
Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X12.D
Injection Date: 11-Dec-2023 21:27:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

42 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

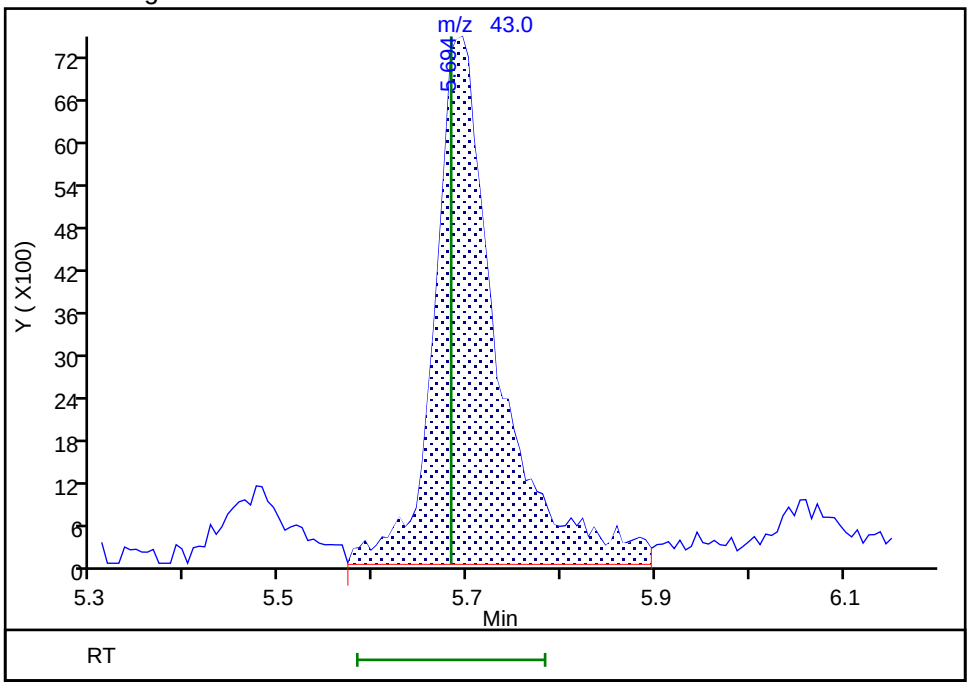
Processing Integration Results

RT: 5.69
Area: 31227
Amount: 3.362160
Amount Units: ug/l



Manual Integration Results

RT: 5.69
Area: 34786
Amount: 2.163404
Amount Units: ug/l



Reviewer: DVW2, 12-Dec-2023 10:55:05 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

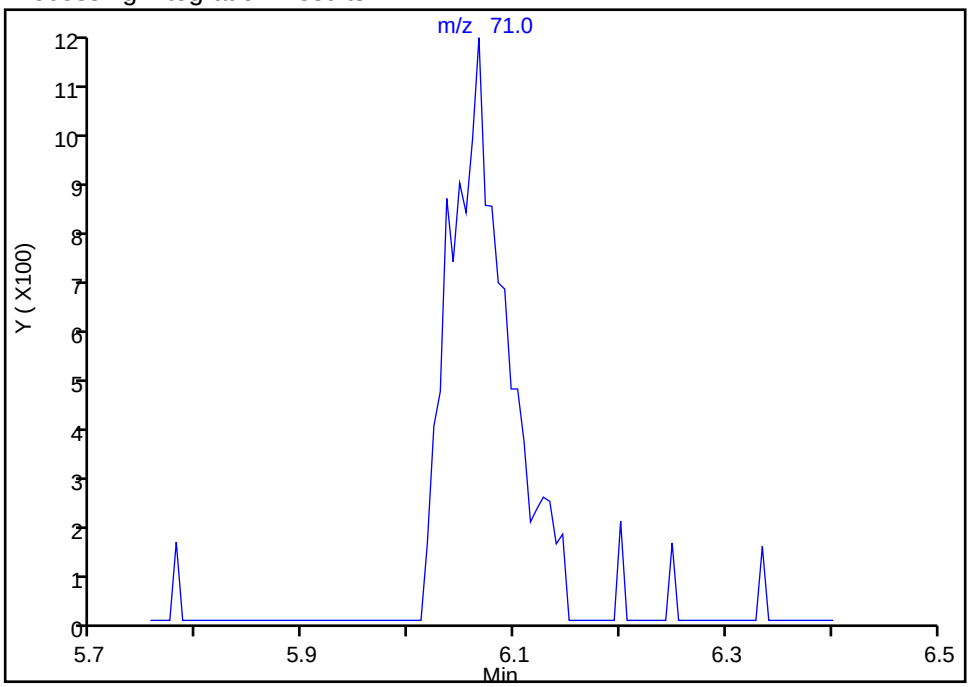
Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X12.D
Injection Date: 11-Dec-2023 21:27:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

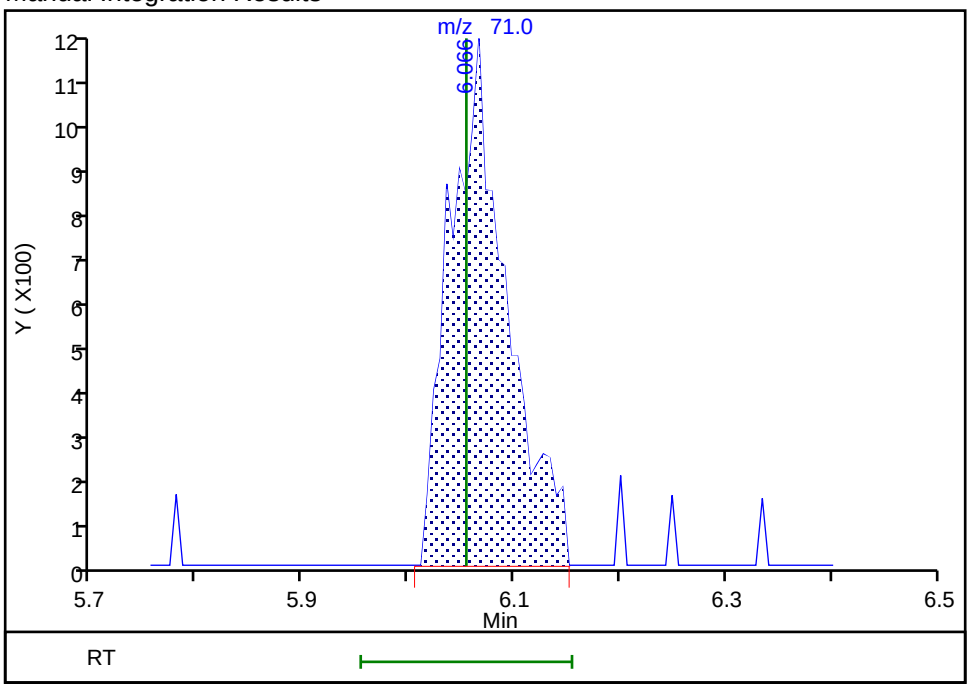
Not Detected
Expected RT: 6.05

Processing Integration Results



RT: 6.07
Area: 4464
Amount: 0.964781
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 12-Dec-2023 12:43:03 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

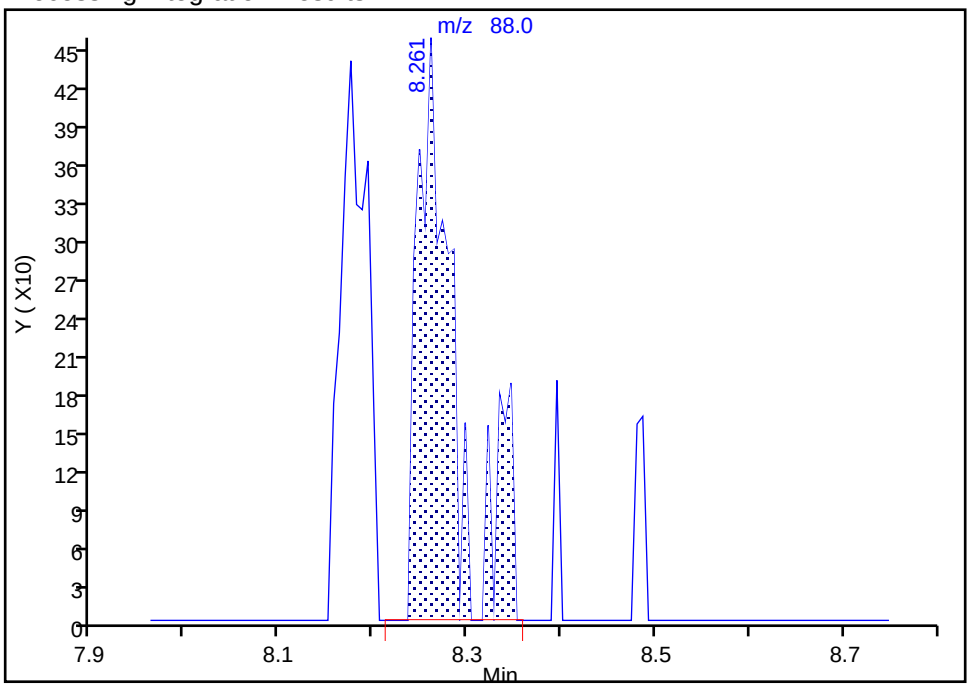
Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X12.D
Injection Date: 11-Dec-2023 21:27:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

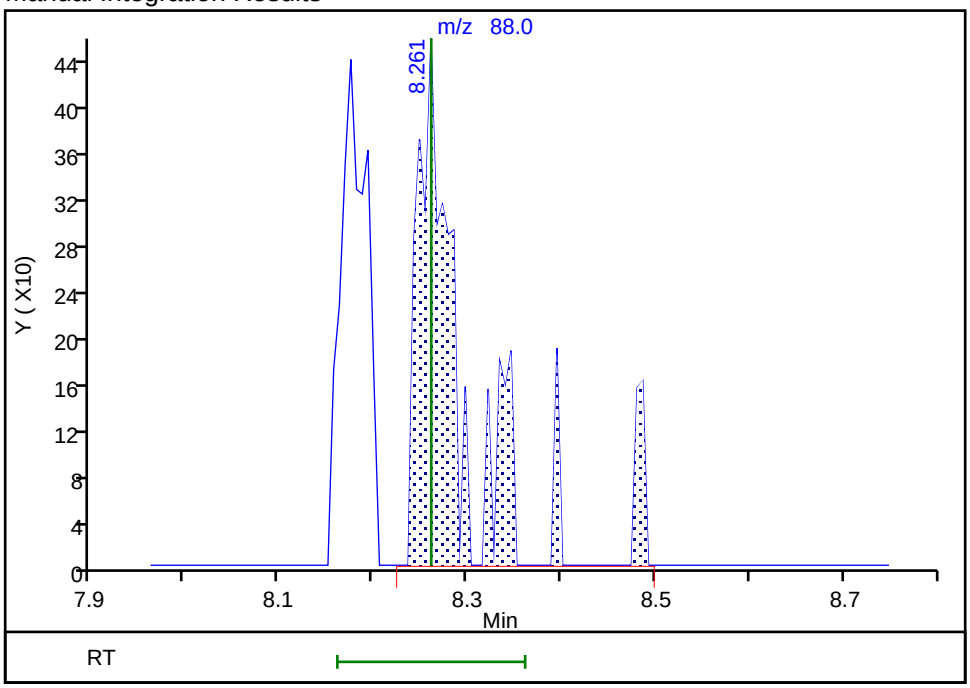
Processing Integration Results

RT: 8.26
Area: 1243
Amount: 5.821398
Amount Units: ug/l



Manual Integration Results

RT: 8.26
Area: 1426
Amount: 7.055480
Amount Units: ug/l



Reviewer: DVW2, 12-Dec-2023 10:55:38 -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\10193\20231211-101546.b\CD11X13.D
Lims ID: IC std2 0.5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-Dec-2023 21:50:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0101546-014
Misc. Info.: IC STD2 0.5
Operator ID: gaw91131 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 14-Dec-2023 10:50:02 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: DVW2 Date: 12-Dec-2023 11:01:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.830	1.817	0.013	99	33896	0.5000	0.5260	
5 Chloromethane	50	2.006	2.000	0.006	98	44113	0.5000	0.5465	
6 Vinyl chloride	62	2.110	2.110	0.000	97	38542	0.5000	0.5240	
7 Butadiene	39	2.110	2.110	0.000	95	35925	0.5000	0.4845	
9 Bromomethane	94	2.415	2.409	0.006	88	26497	0.5000	0.5221	
10 Chloroethane	64	2.482	2.470	0.012	100	20994	0.5000	0.5149	
11 Dichlorofluoromethane	67	2.707	2.701	0.006	96	57704	0.5000	0.5195	
12 Trichlorofluoromethane	101	2.774	2.762	0.012	94	41322	0.5000	0.5165	
13 Pentane	43	2.768	2.762	0.006	97	40918	0.5000	0.4828	
14 Ethyl ether	59	2.963	2.957	0.006	92	22196	0.5001	0.5094	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.067	3.055	0.012	93	33771	0.5000	0.5336	M
17 Acrolein	56	3.128	3.110	0.018	100	151097	25.0	23.8	
18 1,1-Dichloroethene	96	3.244	3.232	0.012	96	23600	0.5000	0.5222	
20 Acetone	43	3.280	3.268	0.012	99	37640	5.00	5.08	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.293	3.287	0.006	88	24203	0.5000	0.5091	
22 Iodomethane	142	3.415	3.409	0.007	100	48933	0.5000	0.5168	
24 Isopropyl alcohol	45	3.427	3.421	0.006	37	15693	10.0	9.50	
23 Ethyl bromide	108	3.445	3.433	0.012	99	21847	0.5001	0.5154	
25 Carbon disulfide	76	3.506	3.500	0.006	99	81023	0.5000	0.5146	
26 Methyl acetate	43	3.658	3.646	0.012	43	13298	0.5000	0.5302	
29 3-Chloro-1-propene	41	3.677	3.665	0.012	92	42464	0.5000	0.5014	
30 Methylene Chloride	84	3.841	3.829	0.012	92	28532	0.5000	0.5374	
* 31 t-Butyl alcohol-d10 (IS)	65	3.866	3.853	0.013	96	141435	50.0	50.0	
32 2-Methyl-2-propanol	59	3.963	3.969	-0.006	99	34769	10.0	10.9	
33 Acrylonitrile	53	4.171	4.152	0.019	96	15138	1.25	1.30	
35 trans-1,2-Dichloroethene	96	4.219	4.201	0.018	98	27339	0.5000	0.5079	
34 Methyl tert-butyl ether	73	4.213	4.207	0.006	90	73768	0.5000	0.5008	
36 Hexane	57	4.628	4.628	0.000	95	37001	0.5000	0.5078	
37 1,1-Dichloroethane	63	4.878	4.872	0.006	96	50939	0.5000	0.5161	
39 Isopropyl ether	45	4.939	4.933	0.006	94	93219	0.5000	0.5064	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.994	4.975	0.019	91	41191	0.5000	0.5068	
41 Tert-butyl ethyl ether	59	5.481	5.481	0.000	98	89434	0.5000	0.5104	
42 2-Butanone (MEK)	43	5.695	5.682	0.013	100	76267	5.00	4.84	
43 cis-1,2-Dichloroethene	96	5.725	5.719	0.006	82	31309	0.5000	0.5159	
44 2,2-Dichloropropane	77	5.731	5.731	0.000	67	43681	0.5000	0.5332	
45 Propionitrile	54	5.798	5.780	0.018	99	41281	10.0	10.4	
47 Methacrylonitrile	67	5.999	5.999	0.000	92	72512	5.00	4.82	
48 Chlorobromomethane	128	6.054	6.048	0.006	95	13510	0.5000	0.4966	
49 Tetrahydrofuran	71	6.060	6.054	0.006	78	11583	2.50	2.55	
S 52 1,2-Dichloroethene, Total	100				0			1.02	
50 Chloroform	83	6.213	6.213	0.000	93	53074	0.5000	0.5289	
$ 54 Dibromofluoromethane (Surr)	113	6.432	6.426	0.006	94	450039	10.0	9.96	
53 1,1,1-Trichloroethane	97	6.432	6.432	0.000	40	43142	0.5000	0.5173	
55 Cyclohexane	56	6.530	6.530	0.000	91	46177	0.5000	0.5028	
56 Carbon tetrachloride	117	6.652	6.640	0.012	88	36444	0.5000	0.4964	
57 1,1-Dichloropropene	75	6.658	6.646	0.012	94	38158	0.5000	0.5101	
58 Isobutyl alcohol	41	6.853	6.841	0.012	93	27002	25.0	23.4	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.890	6.890	0.000	100	91735	10.0	10.0	
60 Benzene	78	6.914	6.914	0.000	92	117681	0.5000	0.5120	
61 1,2-Dichloroethane	62	6.993	6.987	0.006	97	32239	0.5000	0.5214	
64 Tert-amyl methyl ether	73	7.127	7.121	0.006	98	79144	0.5000	0.4968	
* 65 Fluorobenzene (IS)	96	7.335	7.335	0.000	99	2025434	10.0	10.0	
66 n-Heptane	43	7.347	7.347	0.000	92	39333	0.5000	0.5058	
67 n-Butanol	56	7.755	7.743	0.012	91	41308	43.8	42.3	
68 Trichloroethene	95	7.816	7.816	0.000	98	30455	0.5000	0.5125	
69 Methylcyclohexane	83	8.133	8.127	0.006	91	48454	0.5000	0.5027	
70 1,2-Dichloropropane	63	8.158	8.158	0.000	96	30419	0.5000	0.5092	
71 2-ethoxy-2-methyl butane	87	8.182	8.182	0.000	91	47816	0.5000	0.5012	
74 1,4-Dioxane	88	8.267	8.261	0.006	32	4579	25.0	23.1	M
73 Methyl methacrylate	69	8.261	8.261	0.000	87	15540	0.5000	0.5111	
72 Dibromomethane	93	8.267	8.267	0.000	86	14505	0.5000	0.4987	
76 Dichlorobromomethane	83	8.517	8.517	0.000	98	34512	0.5000	0.4974	
77 2-Nitropropane	41	8.816	8.810	0.006	97	19991	2.50	2.33	
78 1-Bromo-2-chloroethane	63	8.914	8.914	0.000	98	30979	0.5000	0.5060	
80 cis-1,3-Dichloropropene	75	9.090	9.090	0.000	95	43780	0.5000	0.4827	
82 4-Methyl-2-pentanone (MIBK)	43	9.291	9.292	-0.001	97	191964	5.00	4.88	
$ 83 Toluene-d8 (Surr)	98	9.420	9.413	0.007	93	1989735	10.0	9.94	
84 Toluene	92	9.499	9.499	0.000	98	77332	0.5000	0.5080	
85 trans-1,3-Dichloropropene	75	9.785	9.779	0.006	93	38858	0.5000	0.4967	
86 Ethyl methacrylate	69	9.858	9.858	0.000	90	32398	0.5000	0.4971	
87 1,1,2-Trichloroethane	97	9.993	9.993	0.000	91	21717	0.5000	0.5023	
S 107 1,3-Dichloropropene, Total	100				0			0.9794	
88 Tetrachloroethene	166	10.078	10.072	0.006	97	35905	0.5000	0.5112	
89 1,3-Dichloropropane	76	10.163	10.163	0.000	92	38150	0.5000	0.5136	
106 2-Hexanone	43	10.236	10.230	0.006	97	142157	5.00	4.91	
108 Chlorodibromomethane	129	10.383	10.383	0.000	90	25629	0.5000	0.4859	
110 Ethylene Dibromide	107	10.492	10.492	0.000	97	22075	0.5000	0.5258	
* 111 Chlorobenzene-d5 (IS)	117	10.950	10.950	0.000	85	1583369	10.0	10.0	
112 1-Chlorohexane	91	10.968	10.968	0.000	97	44047	0.5000	0.5194	
113 Chlorobenzene	112	10.974	10.974	0.000	97	88677	0.5000	0.4987	
115 Ethylbenzene	91	11.066	11.066	0.000	98	150351	0.5000	0.5058	
114 1,1,1,2-Tetrachloroethane	131	11.059	11.066	-0.007	94	30486	0.5000	0.4961	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.187	11.187	0.000	97	118757	1.00	0.99	
S 117 Xylenes, Total	106				0			1.49	
118 o-Xylene	106	11.529	11.529	0.000	96	58968	0.5000	0.4952	
119 Styrene	104	11.547	11.541	0.006	95	95578	0.5000	0.4897	
120 Bromoform	173	11.700	11.700	0.000	96	15769	0.5000	0.4778	
121 Isopropylbenzene	105	11.840	11.840	0.000	95	142307	0.5000	0.5020	
$ 124 4-Bromofluorobenzene (Surr)	95	11.980	11.980	0.000	93	794297	10.0	9.88	
126 1,1,2,2-Tetrachloroethane	83	12.096	12.096	0.000	75	26675	0.5000	0.4997	
125 Bromobenzene	156	12.102	12.102	0.000	91	39626	0.5000	0.5024	
127 trans-1,4-Dichloro-2-butene	53	12.126	12.120	0.006	95	70234	5.00	4.87	
128 1,2,3-Trichloropropane	110	12.139	12.139	0.000	78	7660	0.5000	0.5272	
129 N-Propylbenzene	91	12.175	12.175	0.000	99	176705	0.5000	0.5069	
130 2-Chlorotoluene	126	12.248	12.248	0.000	97	38664	0.5000	0.5097	
131 1,3,5-Trimethylbenzene	105	12.321	12.321	0.000	94	130009	0.5000	0.5005	
132 4-Chlorotoluene	126	12.346	12.346	0.000	97	39945	0.5000	0.5025	
133 tert-Butylbenzene	134	12.565	12.565	0.000	93	30915	0.5000	0.5149	
134 Pentachloroethane	167	12.596	12.596	0.000	81	22261	0.5000	0.4826	
135 1,2,4-Trimethylbenzene	105	12.608	12.608	0.000	97	132518	0.5000	0.4957	
136 sec-Butylbenzene	105	12.730	12.730	0.000	94	166533	0.5000	0.5087	
137 1,3-Dichlorobenzene	146	12.827	12.827	0.000	98	80838	0.5000	0.5149	
138 4-Isopropyltoluene	119	12.840	12.846	-0.006	97	149167	0.5000	0.5047	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	920721	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.901	12.901	0.000	95	79885	0.5000	0.5016	
141 1,2,3-Trimethylbenzene	120	12.919	12.919	0.000	96	62447	0.5000	0.5086	
142 Benzyl chloride	126	12.986	12.986	0.000	99	9818	0.5000	0.4600	
145 p-Diethylbenzene	119	13.120	13.120	0.000	95	91037	0.5000	0.4984	
143 n-Butylbenzene	92	13.138	13.138	0.000	97	71415	0.5000	0.4993	
144 1,2-Dichlorobenzene	146	13.169	13.169	0.000	99	71186	0.5000	0.4967	
148 1,2-Dibromo-3-Chloropropane	155	13.724	13.717	0.007	87	3628	0.5000	0.4824	
149 1,3,5-Trichlorobenzene	180	13.845	13.845	0.000	97	58297	0.5000	0.5016	
150 1,2,4-Trichlorobenzene	180	14.278	14.272	0.006	94	42479	0.5000	0.4733	
151 Hexachlorobutadiene	225	14.358	14.364	-0.006	98	24515	0.5000	0.5092	
152 Naphthalene	128	14.461	14.455	0.006	97	62062	0.5000	0.4668	
153 1,2,3-Trichlorobenzene	180	14.601	14.601	0.000	96	30694	0.5000	0.4676	
154 2-Methylnaphthalene	142	15.217	15.217	0.000	92	12694	0.5000	0.3554	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00107	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00117	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00182	Amount Added:	2.00	Units: uL	
MSV_29_826ISS_00052	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 14-Dec-2023 10:50:03 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X13.D

Injection Date: 11-Dec-2023 21:50:30 Instrument ID: 10193 Operator ID: gaw91131

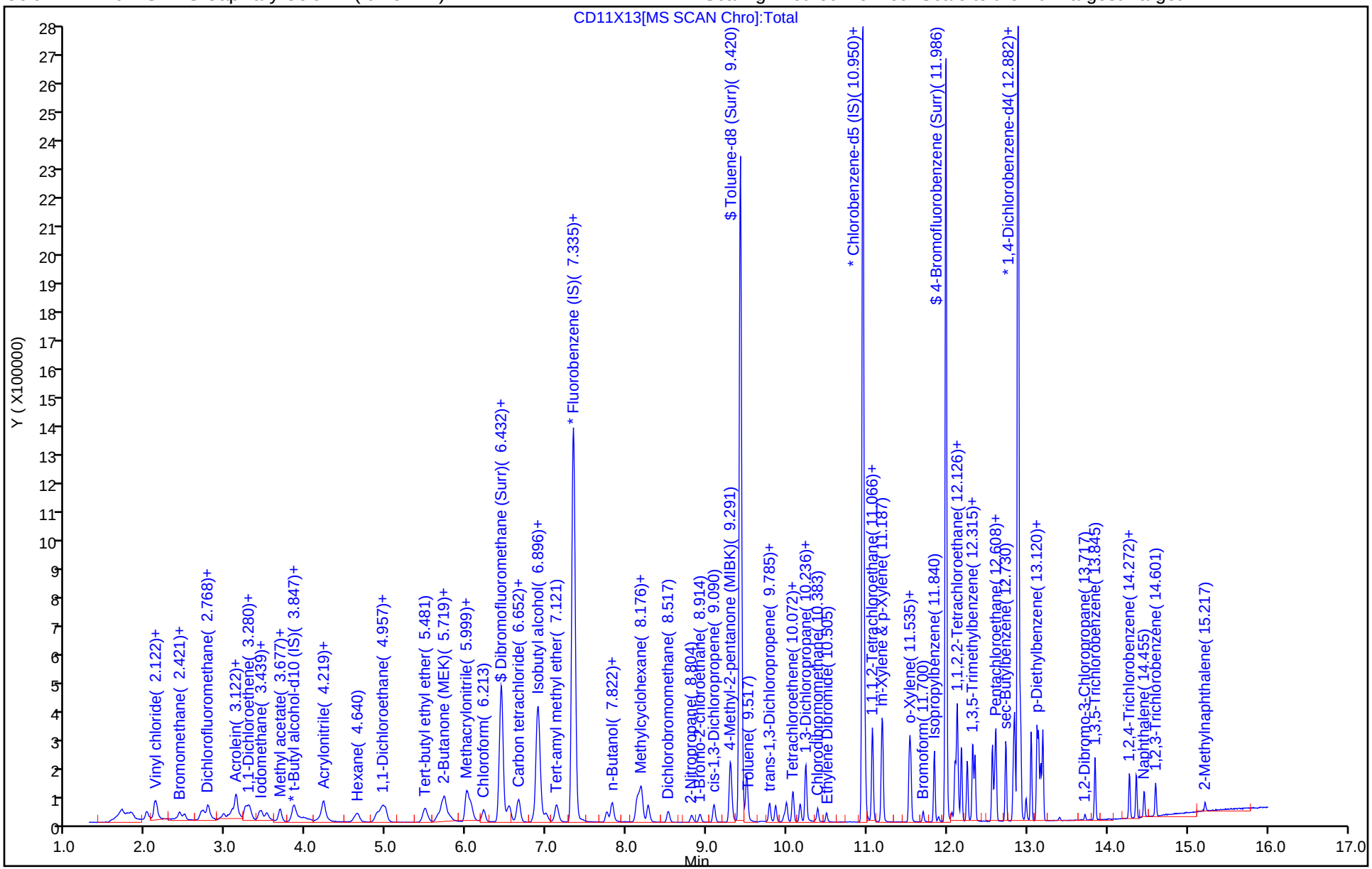
Lims ID: IC std2 0.5 Worklist Smp#: 14

Client ID:

Purge Vol: 25.000 mL Dil. Factor: 1.0000 ALS Bottle#: 13

Method: MSV_10193_25mL Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

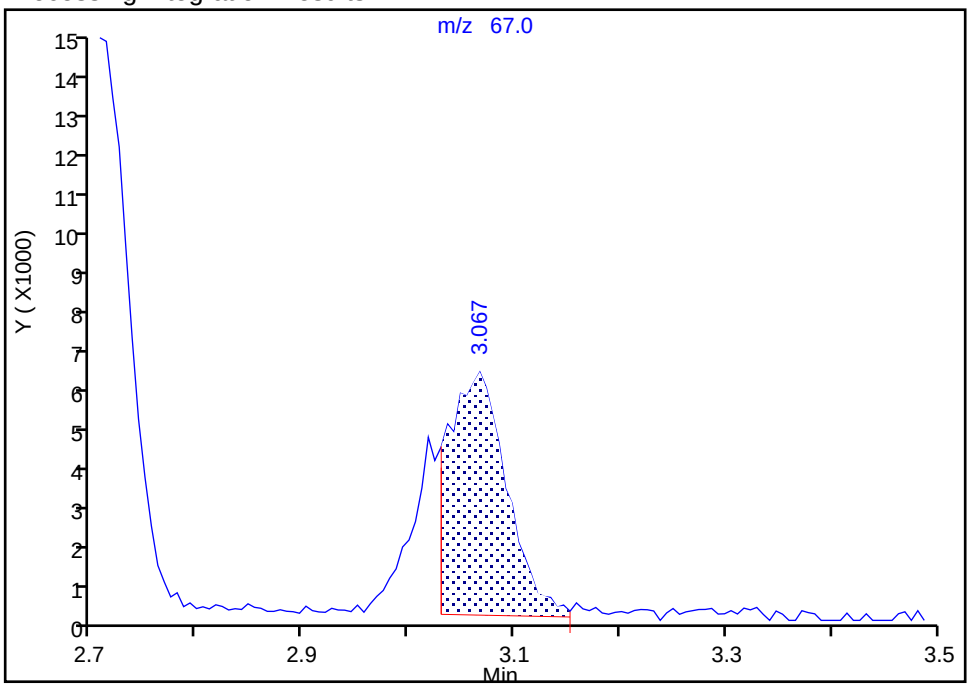
Data File:	\\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X13.D				
Injection Date:	11-Dec-2023 21:50:30	Instrument ID:	10193		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

16 1,2-Dichloro-1,1,2-trifluoroetha, CAS: 354-23-4

Signal: 1

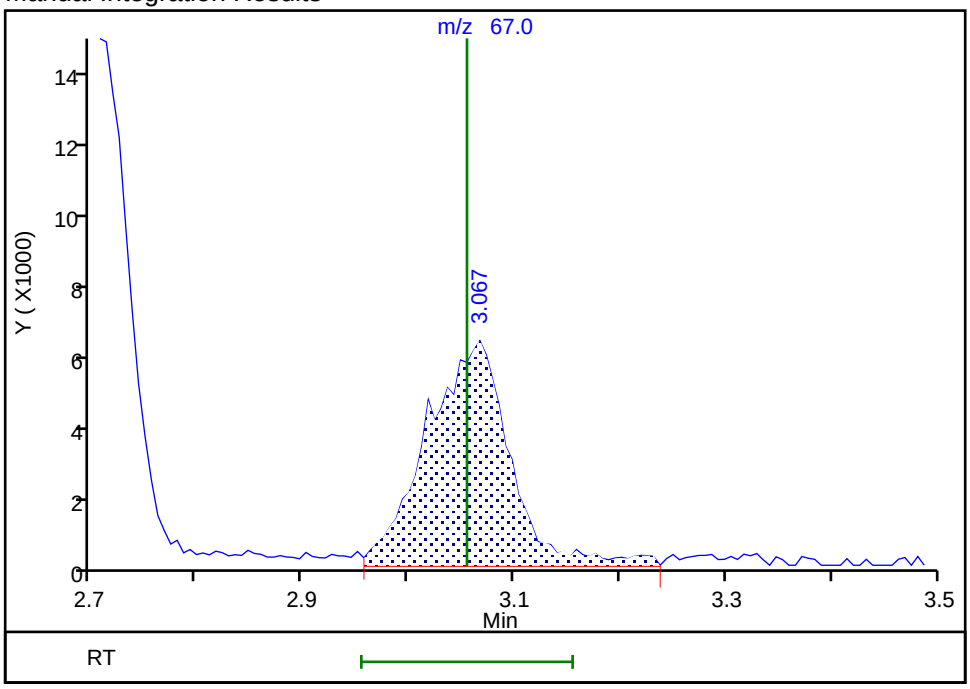
Processing Integration Results

RT: 3.07
Area: 23239
Amount: 0.000047
Amount Units: ug/l



Manual Integration Results

RT: 3.07
Area: 33771
Amount: 0.533595
Amount Units: ug/l



Reviewer: DVW2, 12-Dec-2023 11:00:28 -05:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

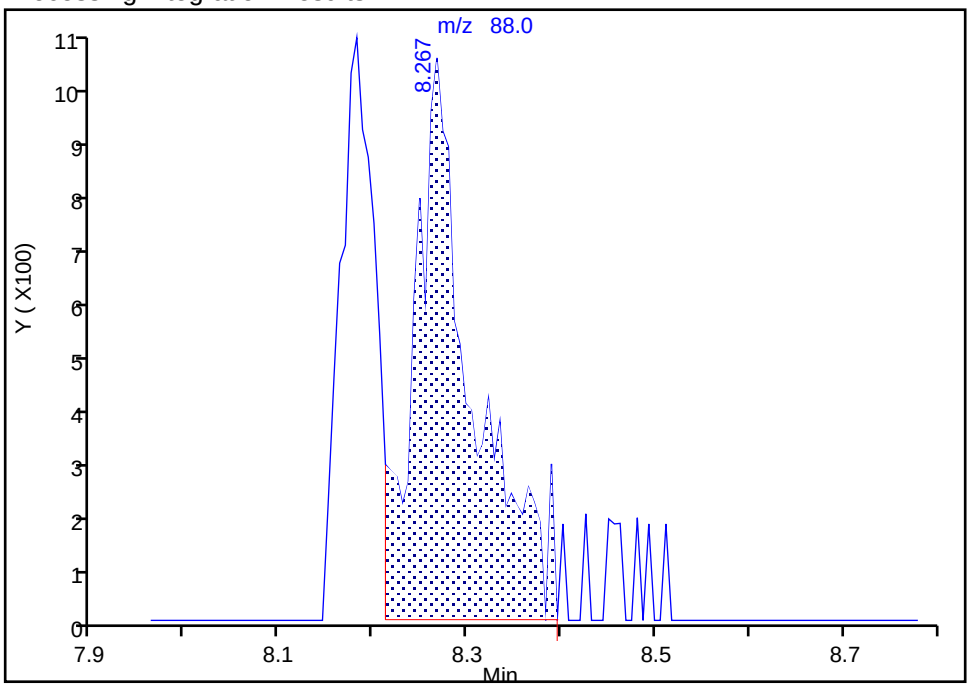
Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X13.D
Injection Date: 11-Dec-2023 21:50:30 Instrument ID: 10193
Lims ID: IC std2 0.5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

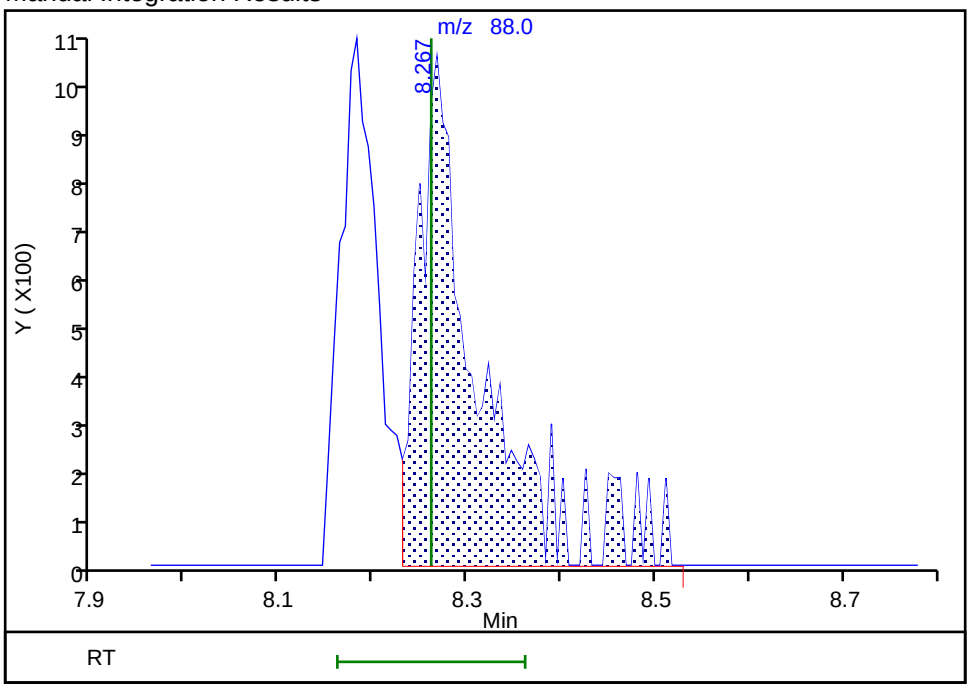
Processing Integration Results

RT: 8.27
Area: 4354
Amount: 21.149470
Amount Units: ug/l



Manual Integration Results

RT: 8.27
Area: 4579
Amount: 23.099263
Amount Units: ug/l



Reviewer: DVW2, 12-Dec-2023 11:00:59 -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\10193\20231211-101546.b\CD11X14.D
Lims ID: IC std3 1
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 11-Dec-2023 22:12:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0101546-015
Misc. Info.: IC STD3 1
Operator ID: gaw91131 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 14-Dec-2023 10:50:09 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: DVW2 Date: 12-Dec-2023 11:04:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.829	1.817	0.012	99	68565	1.00	1.05	
5 Chloromethane	50	2.012	2.000	0.012	99	87431	1.00	1.07	
6 Vinyl chloride	62	2.116	2.110	0.006	97	79907	1.00	1.08	
7 Butadiene	39	2.116	2.110	0.006	95	79847	1.00	1.07	
9 Bromomethane	94	2.421	2.409	0.012	91	55666	1.00	1.09	
10 Chloroethane	64	2.482	2.470	0.012	100	43549	1.00	1.06	
11 Dichlorofluoromethane	67	2.713	2.701	0.012	97	119240	1.00	1.06	
12 Trichlorofluoromethane	101	2.774	2.762	0.012	98	86592	1.00	1.07	
13 Pentane	43	2.774	2.762	0.012	96	86285	1.00	1.01	
14 Ethyl ether	59	2.963	2.957	0.006	93	45168	1.00	1.03	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.073	3.055	0.018	95	65532	1.00	1.03	
17 Acrolein	56	3.122	3.110	0.012	99	307405	50.0	50.0	
18 1,1-Dichloroethene	96	3.244	3.232	0.012	98	47400	1.00	1.04	
20 Acetone	43	3.274	3.268	0.006	100	68466	10.0	9.54	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.293	3.287	0.006	90	49956	1.00	1.04	
22 Iodomethane	142	3.414	3.409	0.006	98	98937	1.00	1.04	
24 Isopropyl alcohol	45	3.427	3.421	0.006	36	32754	20.0	20.5	
23 Ethyl bromide	108	3.445	3.433	0.012	98	45368	1.00	1.06	
25 Carbon disulfide	76	3.506	3.500	0.006	99	162355	1.00	1.02	
26 Methyl acetate	43	3.652	3.646	0.006	48	24098	1.00	0.99	
29 3-Chloro-1-propene	41	3.677	3.665	0.012	92	87747	1.00	1.03	
30 Methylene Chloride	84	3.847	3.829	0.018	92	54285	1.00	1.01	
* 31 t-Butyl alcohol-d10 (IS)	65	3.853	3.853	0.000	67	137066	50.0	50.0	
32 2-Methyl-2-propanol	59	3.981	3.969	0.012	99	65723	20.0	21.2	
33 Acrylonitrile	53	4.152	4.152	0.000	97	29859	2.50	2.65	
35 trans-1,2-Dichloroethene	96	4.219	4.201	0.018	98	56033	1.00	1.03	
34 Methyl tert-butyl ether	73	4.207	4.207	0.000	90	154163	1.00	1.04	
36 Hexane	57	4.640	4.628	0.012	94	72843	1.00	0.99	
37 1,1-Dichloroethane	63	4.878	4.872	0.006	96	103295	1.00	1.04	
39 Isopropyl ether	45	4.945	4.933	0.012	93	189104	1.00	1.02	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.987	4.975	0.012	88	84165	1.00	1.03	
41 Tert-butyl ethyl ether	59	5.481	5.481	0.000	98	179381	1.00	1.01	
42 2-Butanone (MEK)	43	5.688	5.682	0.006	100	155567	10.0	10.2	
43 cis-1,2-Dichloroethene	96	5.725	5.719	0.006	82	62757	1.00	1.02	
44 2,2-Dichloropropane	77	5.731	5.731	0.000	66	85511	1.00	1.03	
45 Propionitrile	54	5.798	5.780	0.018	98	81437	20.0	21.2	
47 Methacrylonitrile	67	6.005	5.999	0.006	91	152649	10.0	10.5	
48 Chlorobromomethane	128	6.054	6.048	0.006	90	27883	1.00	1.02	
49 Tetrahydrofuran	71	6.060	6.054	0.006	78	22992	5.00	5.23	
S 52 1,2-Dichloroethene, Total	100				0			2.06	
50 Chloroform	83	6.213	6.213	0.000	94	102212	1.00	1.01	
$ 54 Dibromofluoromethane (Surr)	113	6.432	6.426	0.006	94	453124	10.0	9.94	
53 1,1,1-Trichloroethane	97	6.438	6.432	0.006	45	88101	1.00	1.05	
55 Cyclohexane	56	6.536	6.530	0.006	92	95410	1.00	1.03	
56 Carbon tetrachloride	117	6.652	6.640	0.012	86	76427	1.00	1.03	
57 1,1-Dichloropropene	75	6.646	6.646	0.000	95	78920	1.00	1.05	
58 Isobutyl alcohol	41	6.847	6.841	0.006	90	57674	50.0	51.6	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.889	6.890	-0.001	100	93174	10.0	10.1	
60 Benzene	78	6.920	6.914	0.006	94	240388	1.00	1.04	
61 1,2-Dichloroethane	62	6.993	6.987	0.006	97	62643	1.00	1.00	
64 Tert-amyl methyl ether	73	7.121	7.121	0.000	99	163740	1.00	1.02	
* 65 Fluorobenzene (IS)	96	7.334	7.335	-0.001	99	2044405	10.0	10.0	
66 n-Heptane	43	7.347	7.347	0.000	39	77071	1.00	0.9819	
67 n-Butanol	56	7.749	7.743	0.006	92	79548	87.5	84.1	
68 Trichloroethene	95	7.822	7.816	0.006	97	61311	1.00	1.02	
69 Methylcyclohexane	83	8.127	8.127	0.000	90	98410	1.00	1.01	
70 1,2-Dichloropropane	63	8.164	8.158	0.006	97	61262	1.00	1.02	
71 2-ethoxy-2-methyl butane	87	8.188	8.182	0.006	93	96952	1.00	1.01	
74 1,4-Dioxane	88	8.267	8.261	0.006	30	10608	50.0	55.2	M
73 Methyl methacrylate	69	8.267	8.261	0.006	91	30317	1.00	1.03	
72 Dibromomethane	93	8.267	8.267	0.000	87	30308	1.00	1.03	
76 Dichlorobromomethane	83	8.517	8.517	0.000	99	70024	1.00	1.00	
77 2-Nitropropane	41	8.810	8.810	0.000	98	42973	5.00	5.17	
78 1-Bromo-2-chloroethane	63	8.913	8.914	-0.001	98	62600	1.00	1.01	
80 cis-1,3-Dichloropropene	75	9.090	9.090	0.000	95	93280	1.00	1.02	
82 4-Methyl-2-pentanone (MIBK)	43	9.291	9.292	-0.001	97	393595	10.0	10.3	
$ 83 Toluene-d8 (Surr)	98	9.419	9.413	0.006	93	1990550	10.0	9.90	
84 Toluene	92	9.499	9.499	0.000	97	157020	1.00	1.03	
85 trans-1,3-Dichloropropene	75	9.785	9.779	0.006	93	78355	1.00	1.00	
86 Ethyl methacrylate	69	9.858	9.858	0.000	89	65043	1.00	0.99	
87 1,1,2-Trichloroethane	97	9.992	9.993	-0.001	90	44309	1.00	1.02	
S 107 1,3-Dichloropropene, Total	100				0			2.02	
88 Tetrachloroethene	166	10.078	10.072	0.006	98	72369	1.00	1.03	
89 1,3-Dichloropropane	76	10.163	10.163	0.000	92	75490	1.00	1.01	
106 2-Hexanone	43	10.236	10.230	0.006	96	283929	10.0	10.1	
108 Chlorodibromomethane	129	10.383	10.383	0.000	90	53153	1.00	1.00	
110 Ethylene Dibromide	107	10.492	10.492	0.000	98	42601	1.00	1.01	
* 111 Chlorobenzene-d5 (IS)	117	10.950	10.950	0.000	85	1590219	10.0	10.0	
112 1-Chlorohexane	91	10.968	10.968	0.000	97	85097	1.00	1.00	
113 Chlorobenzene	112	10.974	10.974	0.000	97	185254	1.00	1.04	
115 Ethylbenzene	91	11.072	11.066	0.006	98	305197	1.00	1.02	
114 1,1,1,2-Tetrachloroethane	131	11.065	11.066	-0.001	95	61882	1.00	1.00	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.187	11.187	0.000	97	248649	2.00	2.07	
S 117 Xylenes, Total	106				0			3.10	
118 o-Xylene	106	11.529	11.529	0.000	95	123555	1.00	1.03	
119 Styrene	104	11.547	11.541	0.006	95	197298	1.00	1.01	
120 Bromoform	173	11.699	11.700	-0.001	97	32284	1.00	0.9740	
121 Isopropylbenzene	105	11.840	11.840	0.000	95	292782	1.00	1.03	
$ 124 4-Bromofluorobenzene (Surr)	95	11.980	11.980	0.000	93	803520	10.0	9.95	
126 1,1,2,2-Tetrachloroethane	83	12.096	12.096	0.000	84	55267	1.00	1.03	
125 Bromobenzene	156	12.102	12.102	0.000	91	83345	1.00	1.05	
127 trans-1,4-Dichloro-2-butene	53	12.120	12.120	0.000	94	147630	10.0	10.2	
128 1,2,3-Trichloropropane	110	12.144	12.139	0.006	82	14899	1.00	1.02	
129 N-Propylbenzene	91	12.175	12.175	0.000	99	366788	1.00	1.04	
130 2-Chlorotoluene	126	12.248	12.248	0.000	97	79931	1.00	1.05	
131 1,3,5-Trimethylbenzene	105	12.315	12.321	-0.006	96	271334	1.00	1.04	
132 4-Chlorotoluene	126	12.346	12.346	0.000	97	83510	1.00	1.04	
133 tert-Butylbenzene	134	12.565	12.565	0.000	93	63551	1.00	1.05	
134 Pentachloroethane	167	12.596	12.596	0.000	91	46792	1.00	1.01	
135 1,2,4-Trimethylbenzene	105	12.608	12.608	0.000	97	280066	1.00	1.04	
136 sec-Butylbenzene	105	12.730	12.730	0.000	94	343532	1.00	1.04	
137 1,3-Dichlorobenzene	146	12.827	12.827	0.000	98	165270	1.00	1.04	
138 4-Isopropyltoluene	119	12.846	12.846	0.000	97	311071	1.00	1.04	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	928387	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.900	12.901	-0.001	95	164377	1.00	1.02	
141 1,2,3-Trimethylbenzene	120	12.919	12.919	0.000	97	126980	1.00	1.03	
142 Benzyl chloride	126	12.986	12.986	0.000	99	21507	1.00	1.00	
145 p-Diethylbenzene	119	13.120	13.120	0.000	94	192857	1.00	1.05	
143 n-Butylbenzene	92	13.138	13.138	0.000	97	151491	1.00	1.05	
144 1,2-Dichlorobenzene	146	13.169	13.169	0.000	99	150731	1.00	1.04	
148 1,2-Dibromo-3-Chloropropane	155	13.723	13.717	0.006	87	7374	1.00	0.9724	
149 1,3,5-Trichlorobenzene	180	13.845	13.845	0.000	98	122874	1.00	1.05	
150 1,2,4-Trichlorobenzene	180	14.278	14.272	0.006	94	92333	1.00	1.02	
151 Hexachlorobutadiene	225	14.364	14.364	0.000	97	51303	1.00	1.06	
152 Naphthalene	128	14.455	14.455	0.000	97	131132	1.00	0.9782	
153 1,2,3-Trichlorobenzene	180	14.601	14.601	0.000	96	64925	1.00	0.9810	
154 2-Methylnaphthalene	142	15.217	15.217	0.000	93	27567	1.00	0.7655	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00107	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00117	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00182	Amount Added:	2.00	Units: uL	
MSV_29_826ISS_00052	Amount Added:	1.00	Units: uL	Run Reagent

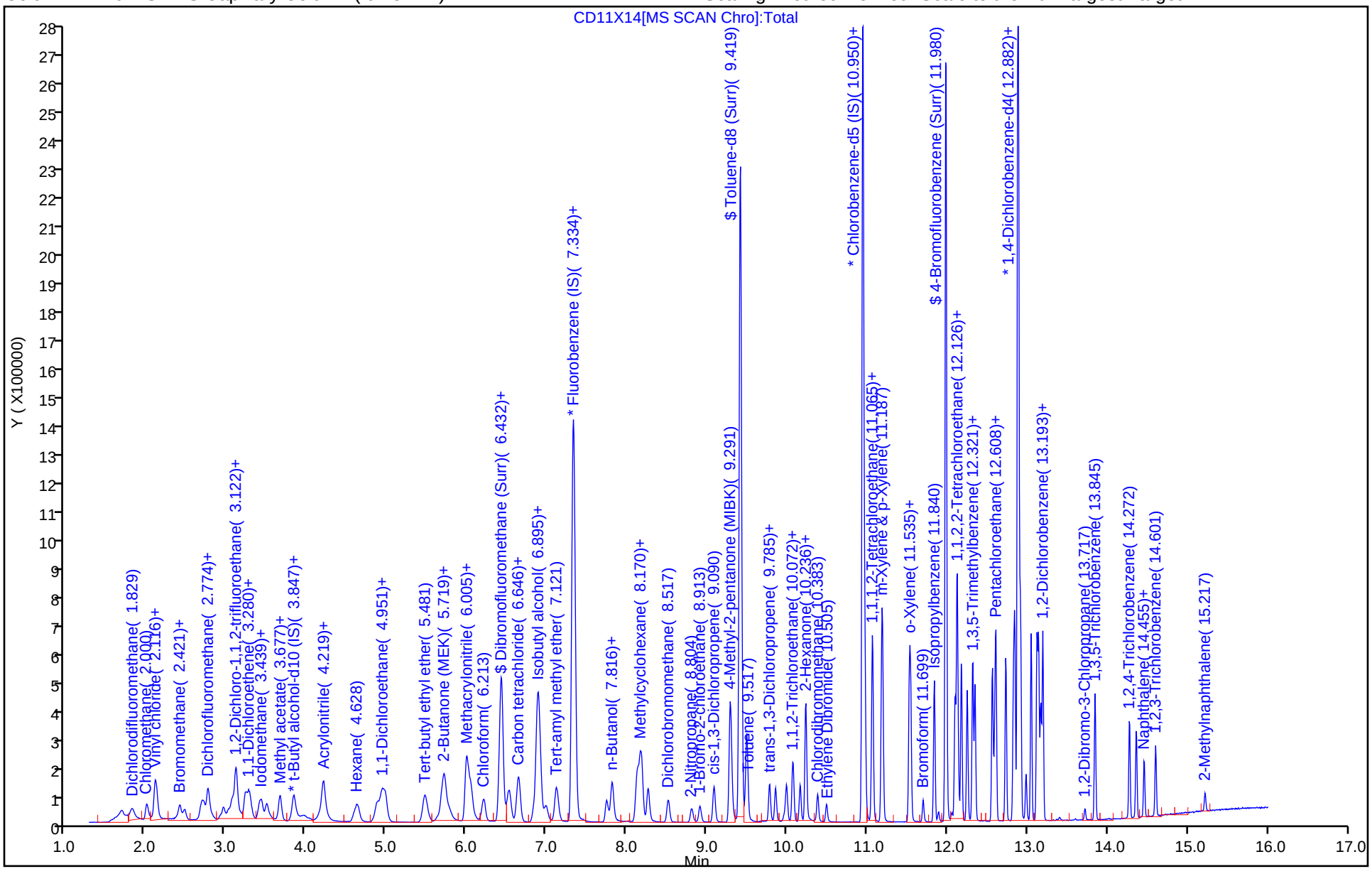
Report Date: 14-Dec-2023 10:50:10 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X14.D

Injection Date:	11-Dec-2023 22:12:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	IC std3 1			Worklist Smp#:	15
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

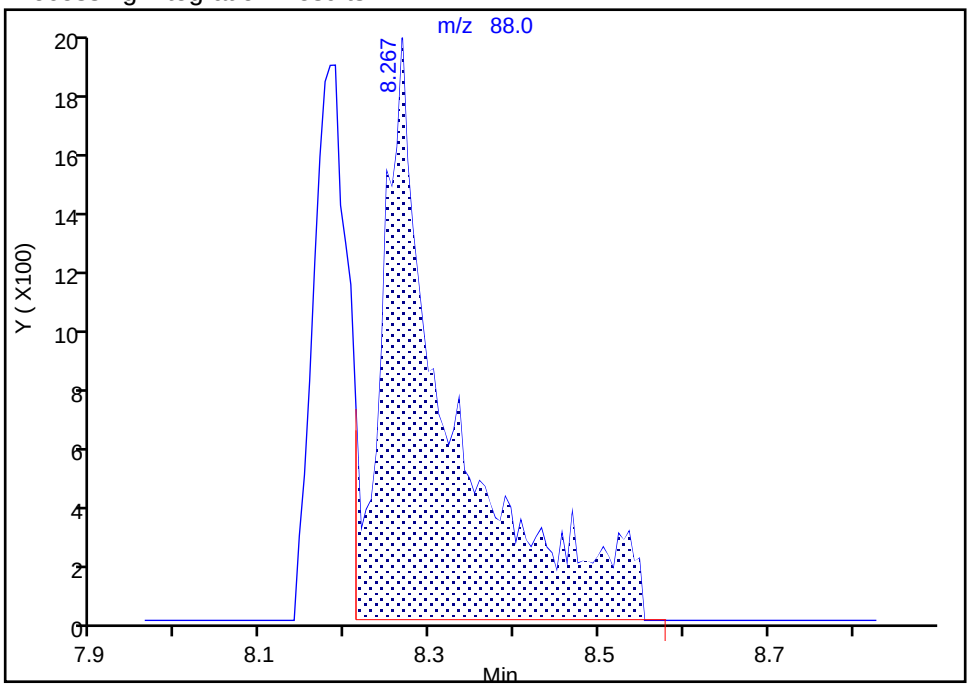
Data File:	\\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X14.D				
Injection Date:	11-Dec-2023 22:12:30	Instrument ID:	10193		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

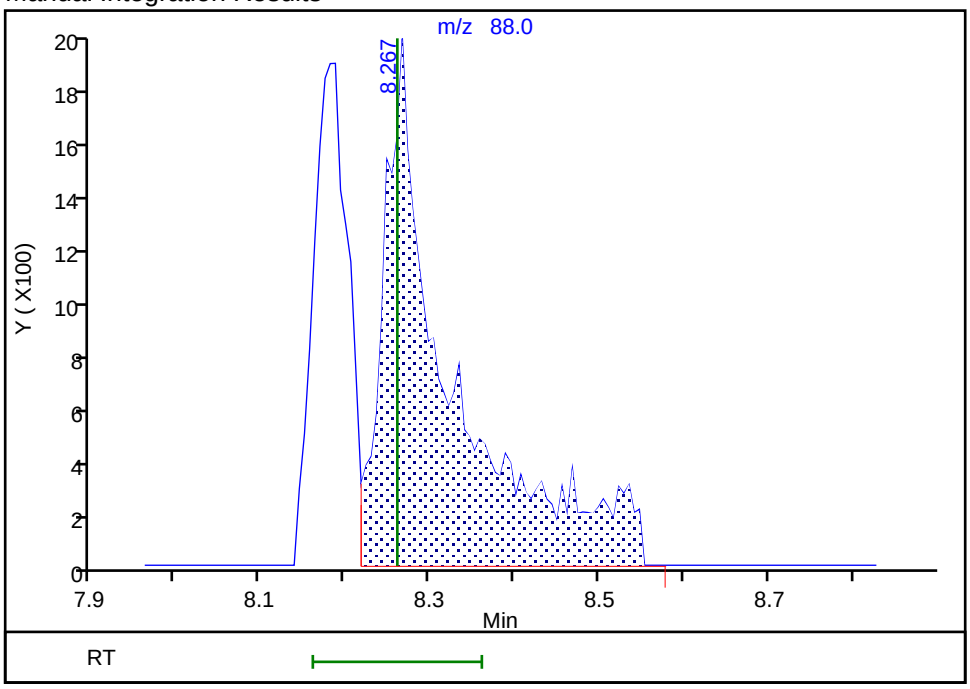
Processing Integration Results

RT: 8.27
Area: 10867
Amount: 54.483687
Amount Units: ug/l



Manual Integration Results

RT: 8.27
Area: 10608
Amount: 55.218950
Amount Units: ug/l



Reviewer: DVW2, 12-Dec-2023 11:03:19 -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\10193\20231211-101546.b\CD11X15.D
Lims ID: IC std4 2
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 11-Dec-2023 22:34:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0101546-016
Misc. Info.: IC STD4 2
Operator ID: gaw91131 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 14-Dec-2023 10:50:16 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: DVW2 Date: 12-Dec-2023 11:05:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.823	1.817	0.006	99	136701	2.00	2.11	
5 Chloromethane	50	2.006	2.000	0.006	99	172697	2.00	2.13	
6 Vinyl chloride	62	2.116	2.110	0.006	98	156221	2.00	2.12	
7 Butadiene	39	2.116	2.110	0.006	94	152957	2.00	2.06	
9 Bromomethane	94	2.421	2.409	0.012	90	108802	2.00	2.14	
10 Chloroethane	64	2.476	2.470	0.006	100	88044	2.00	2.15	
11 Dichlorofluoromethane	67	2.707	2.701	0.006	97	238929	2.00	2.14	
12 Trichlorofluoromethane	101	2.774	2.762	0.012	97	168904	2.00	2.10	
13 Pentane	43	2.774	2.762	0.012	97	170294	2.00	2.00	
14 Ethyl ether	59	2.963	2.957	0.006	92	90003	2.00	2.06	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.061	3.055	0.006	93	130171	2.00	2.05	
17 Acrolein	56	3.122	3.110	0.012	99	622579	100.0	102.6	
18 1,1-Dichloroethene	96	3.238	3.232	0.006	97	90157	2.00	1.99	
20 Acetone	43	3.274	3.268	0.006	100	157398	20.0	22.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.293	3.287	0.006	91	99193	2.00	2.08	
22 Iodomethane	142	3.414	3.409	0.006	98	193131	2.00	2.03	
24 Isopropyl alcohol	45	3.427	3.421	0.006	41	59734	40.0	37.8	
23 Ethyl bromide	108	3.445	3.433	0.012	98	86812	2.00	2.04	
25 Carbon disulfide	76	3.506	3.500	0.006	100	313014	2.00	1.98	
26 Methyl acetate	43	3.652	3.646	0.006	98	47546	2.00	1.98	
29 3-Chloro-1-propene	41	3.671	3.665	0.006	92	171432	2.00	2.02	
30 Methylene Chloride	84	3.835	3.829	0.006	94	107784	2.00	2.02	
* 31 t-Butyl alcohol-d10 (IS)	65	3.860	3.853	0.007	96	135361	50.0	50.0	
32 2-Methyl-2-propanol	59	3.963	3.969	-0.006	99	121642	40.0	39.7	
33 Acrylonitrile	53	4.158	4.152	0.006	100	59396	5.00	5.33	
35 trans-1,2-Dichloroethene	96	4.213	4.201	0.012	99	110463	2.00	2.05	
34 Methyl tert-butyl ether	73	4.207	4.207	0.000	90	303894	2.00	2.06	
36 Hexane	57	4.634	4.628	0.006	94	148734	2.00	2.03	
37 1,1-Dichloroethane	63	4.872	4.872	0.000	96	201377	2.00	2.03	
39 Isopropyl ether	45	4.939	4.933	0.006	94	377080	2.00	2.04	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.987	4.975	0.012	90	162205	2.00	1.99	
41 Tert-butyl ethyl ether	59	5.487	5.481	0.006	98	359403	2.00	2.04	
42 2-Butanone (MEK)	43	5.688	5.682	0.006	100	312175	20.0	20.7	
43 cis-1,2-Dichloroethene	96	5.725	5.719	0.006	82	124100	2.00	2.04	
44 2,2-Dichloropropane	77	5.737	5.731	0.006	87	164598	2.00	2.00	
45 Propionitrile	54	5.786	5.780	0.006	100	154424	40.0	40.6	
47 Methacrylonitrile	67	5.999	5.999	0.000	92	307739	20.0	21.4	
48 Chlorobromomethane	128	6.048	6.048	0.000	94	56405	2.00	2.07	
49 Tetrahydrofuran	71	6.060	6.054	0.006	77	46684	10.0	10.7	
S 52 1,2-Dichloroethene, Total	100				0			4.08	
50 Chloroform	83	6.213	6.213	0.000	94	196191	2.00	1.95	
$ 54 Dibromofluoromethane (Surr)	113	6.432	6.426	0.006	94	453645	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.438	6.432	0.006	62	166904	2.00	2.00	
55 Cyclohexane	56	6.530	6.530	0.000	91	185183	2.00	2.01	
56 Carbon tetrachloride	117	6.646	6.640	0.006	87	146096	2.00	1.98	
57 1,1-Dichloropropene	75	6.646	6.646	0.000	95	149342	2.00	1.99	
58 Isobutyl alcohol	41	6.841	6.841	0.000	93	111391	100.0	101.0	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.889	6.890	-0.001	99	91681	10.0	10.0	
60 Benzene	78	6.920	6.914	0.006	96	461688	2.00	2.00	
61 1,2-Dichloroethane	62	6.993	6.987	0.006	97	125412	2.00	2.02	
64 Tert-amyl methyl ether	73	7.121	7.121	0.000	98	328386	2.00	2.05	
* 65 Fluorobenzene (IS)	96	7.328	7.335	-0.007	99	2031703	10.0	10.0	
66 n-Heptane	43	7.353	7.347	0.006	92	156416	2.00	2.01	
67 n-Butanol	56	7.749	7.743	0.006	91	178332	175.0	190.9	
68 Trichloroethene	95	7.816	7.816	0.000	97	120689	2.00	2.02	
69 Methylcyclohexane	83	8.127	8.127	0.000	90	193533	2.00	2.00	
70 1,2-Dichloropropane	63	8.157	8.158	-0.001	97	121957	2.00	2.04	
71 2-ethoxy-2-methyl butane	87	8.182	8.182	0.000	93	197767	2.00	2.07	
74 1,4-Dioxane	88	8.255	8.261	-0.006	33	18382	100.0	96.9	M
73 Methyl methacrylate	69	8.261	8.261	0.000	91	60595	2.00	2.08	
72 Dibromomethane	93	8.267	8.267	0.000	89	60634	2.00	2.08	
76 Dichlorobromomethane	83	8.517	8.517	0.000	99	140806	2.00	2.02	
77 2-Nitropropane	41	8.810	8.810	0.000	99	83476	10.0	10.2	
78 1-Bromo-2-chloroethane	63	8.913	8.914	-0.001	99	129220	2.00	2.10	
80 cis-1,3-Dichloropropene	75	9.090	9.090	0.000	95	184348	2.00	2.03	
82 4-Methyl-2-pentanone (MIBK)	43	9.291	9.292	-0.001	97	796870	20.0	21.2	
$ 83 Toluene-d8 (Surr)	98	9.419	9.413	0.006	94	2012517	10.0	10.1	
84 Toluene	92	9.499	9.499	0.000	98	307852	2.00	2.02	
85 trans-1,3-Dichloropropene	75	9.779	9.779	0.000	93	158384	2.00	2.02	
86 Ethyl methacrylate	69	9.858	9.858	0.000	90	131876	2.00	2.02	
87 1,1,2-Trichloroethane	97	9.992	9.993	-0.001	90	88200	2.00	2.04	
S 107 1,3-Dichloropropene, Total	100				0			4.05	
88 Tetrachloroethene	166	10.072	10.072	0.000	98	141485	2.00	2.01	
89 1,3-Dichloropropane	76	10.163	10.163	0.000	91	151691	2.00	2.04	
106 2-Hexanone	43	10.236	10.230	0.006	96	588017	20.0	21.2	
108 Chlorodibromomethane	129	10.383	10.383	0.000	90	106587	2.00	2.02	
110 Ethylene Dibromide	107	10.492	10.492	0.000	99	84298	2.00	2.01	
* 111 Chlorobenzene-d5 (IS)	117	10.950	10.950	0.000	85	1583289	10.0	10.0	
112 1-Chlorohexane	91	10.968	10.968	0.000	99	164515	2.00	1.94	
113 Chlorobenzene	112	10.974	10.974	0.000	96	363186	2.00	2.04	
115 Ethylbenzene	91	11.065	11.066	-0.001	98	601320	2.00	2.02	
114 1,1,1,2-Tetrachloroethane	131	11.059	11.066	-0.007	96	124769	2.00	2.03	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.187	11.187	0.000	97	483916	4.00	4.05	
S 117 Xylenes, Total	106				0			6.08	
118 o-Xylene	106	11.529	11.529	0.000	96	242100	2.00	2.03	
119 Styrene	104	11.541	11.541	0.000	95	400648	2.00	2.05	
120 Bromoform	173	11.699	11.700	-0.001	97	66548	2.00	2.02	
121 Isopropylbenzene	105	11.840	11.840	0.000	95	575778	2.00	2.03	
$ 124 4-Bromofluorobenzene (Surr)	95	11.980	11.980	0.000	93	800096	10.0	9.95	
126 1,1,2,2-Tetrachloroethane	83	12.096	12.096	0.000	81	111086	2.00	2.08	
125 Bromobenzene	156	12.102	12.102	0.000	90	163952	2.00	2.08	
127 trans-1,4-Dichloro-2-butene	53	12.120	12.120	0.000	95	299683	20.0	20.8	
128 1,2,3-Trichloropropane	110	12.138	12.139	0.000	79	29701	2.00	2.05	
129 N-Propylbenzene	91	12.175	12.175	0.000	99	711230	2.00	2.04	
130 2-Chlorotoluene	126	12.248	12.248	0.000	97	154865	2.00	2.04	
131 1,3,5-Trimethylbenzene	105	12.315	12.321	-0.006	93	531756	2.00	2.05	
132 4-Chlorotoluene	126	12.346	12.346	0.000	97	163376	2.00	2.06	
133 tert-Butylbenzene	134	12.565	12.565	0.000	93	124693	2.00	2.08	
134 Pentachloroethane	167	12.596	12.596	0.000	89	96474	2.00	2.09	
135 1,2,4-Trimethylbenzene	105	12.608	12.608	0.000	97	551654	2.00	2.07	
136 sec-Butylbenzene	105	12.730	12.730	0.000	94	668614	2.00	2.05	
137 1,3-Dichlorobenzene	146	12.827	12.827	0.000	98	320367	2.00	2.04	
138 4-Isopropyltoluene	119	12.846	12.846	0.000	97	603870	2.00	2.05	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	919328	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.900	12.901	-0.001	96	328133	2.00	2.06	
141 1,2,3-Trimethylbenzene	120	12.919	12.919	0.000	98	250783	2.00	2.05	
142 Benzyl chloride	126	12.986	12.986	0.000	98	44022	2.00	2.07	
145 p-Diethylbenzene	119	13.120	13.120	0.000	94	372299	2.00	2.04	
143 n-Butylbenzene	92	13.138	13.138	0.000	97	293574	2.00	2.06	
144 1,2-Dichlorobenzene	146	13.169	13.169	0.000	99	293562	2.00	2.05	
148 1,2-Dibromo-3-Chloropropane	155	13.723	13.717	0.006	86	14509	2.00	1.93	
149 1,3,5-Trichlorobenzene	180	13.845	13.845	0.000	98	238093	2.00	2.05	
150 1,2,4-Trichlorobenzene	180	14.272	14.272	0.000	94	181190	2.00	2.02	
151 Hexachlorobutadiene	225	14.364	14.364	0.000	97	99437	2.00	2.07	
152 Naphthalene	128	14.461	14.455	0.006	97	266032	2.00	2.00	
153 1,2,3-Trichlorobenzene	180	14.601	14.601	0.000	96	131691	2.00	2.01	
154 2-Methylnaphthalene	142	15.217	15.217	0.000	92	63243	2.00	1.77	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00107	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00117	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00182	Amount Added:	2.00	Units: uL	
MSV_29_826ISS_00052	Amount Added:	1.00	Units: uL	Run Reagent

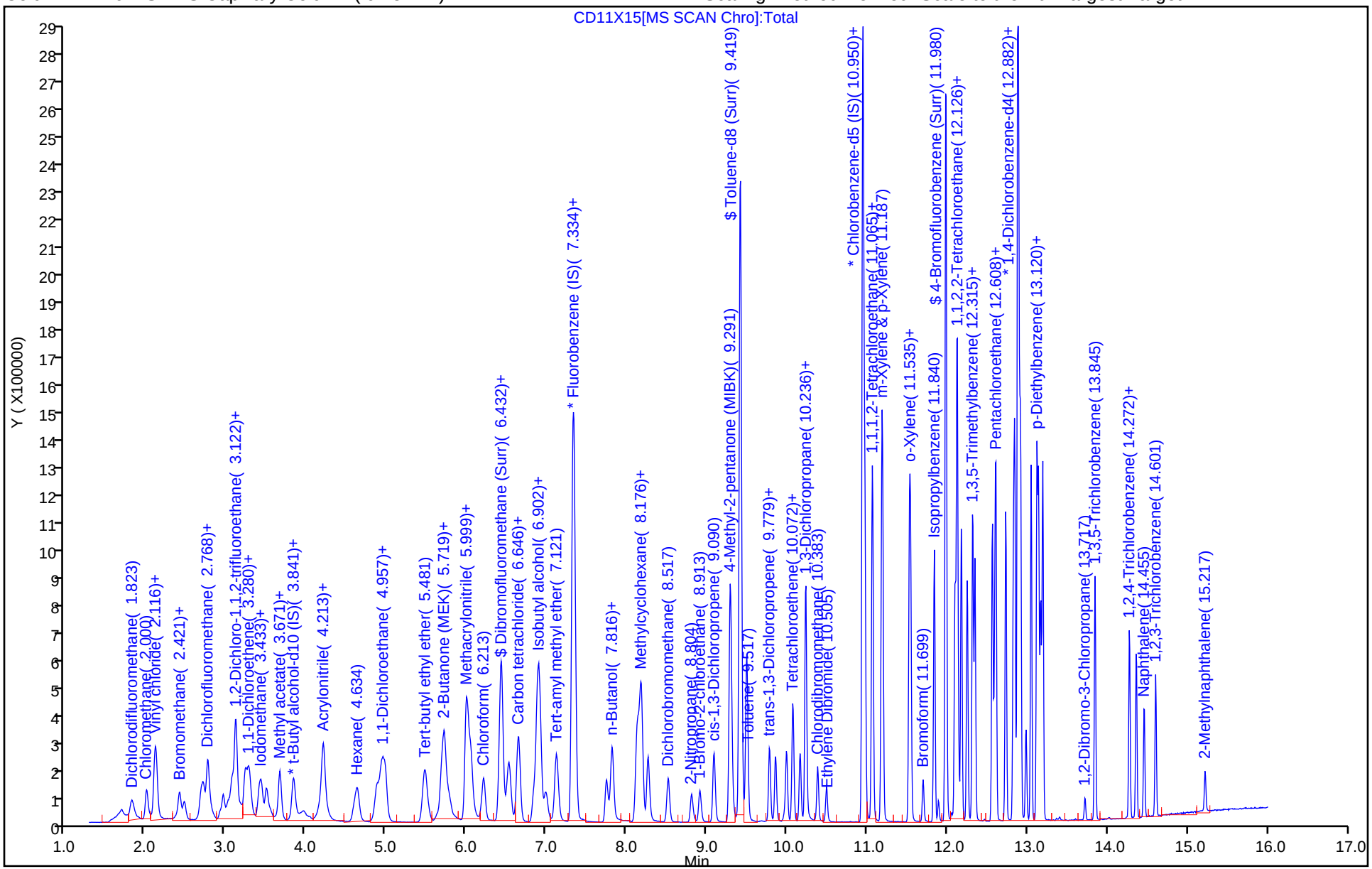
Report Date: 14-Dec-2023 10:50:16 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X15.D

Injection Date:	11-Dec-2023 22:34:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	IC std4 2			Worklist Smp#:	16
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

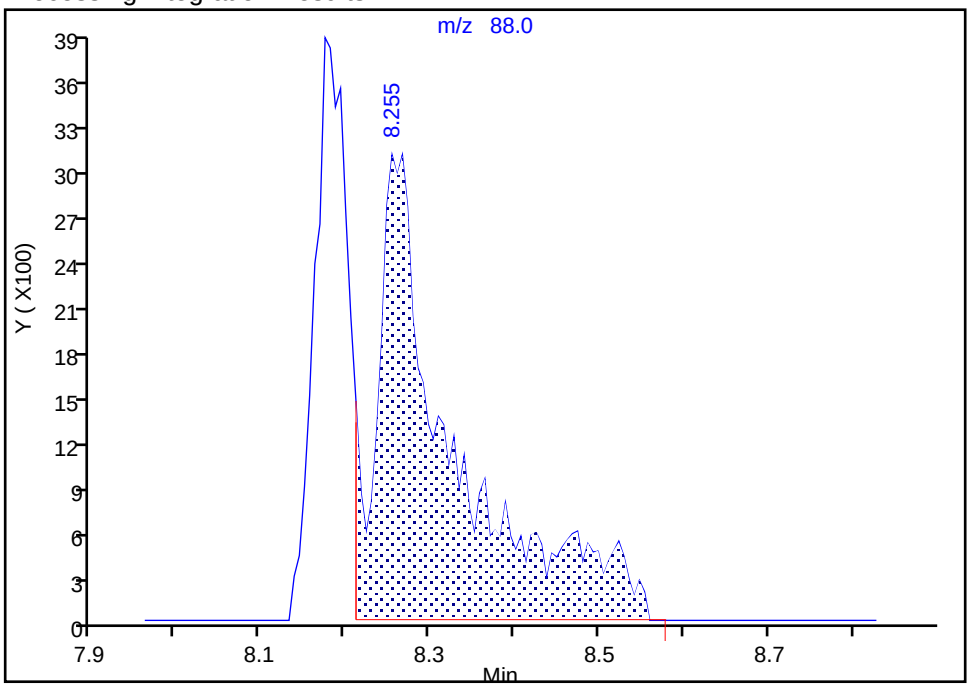
Data File:	\\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X15.D				
Injection Date:	11-Dec-2023 22:34:30	Instrument ID:	10193		
Lims ID:	IC std4 2				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

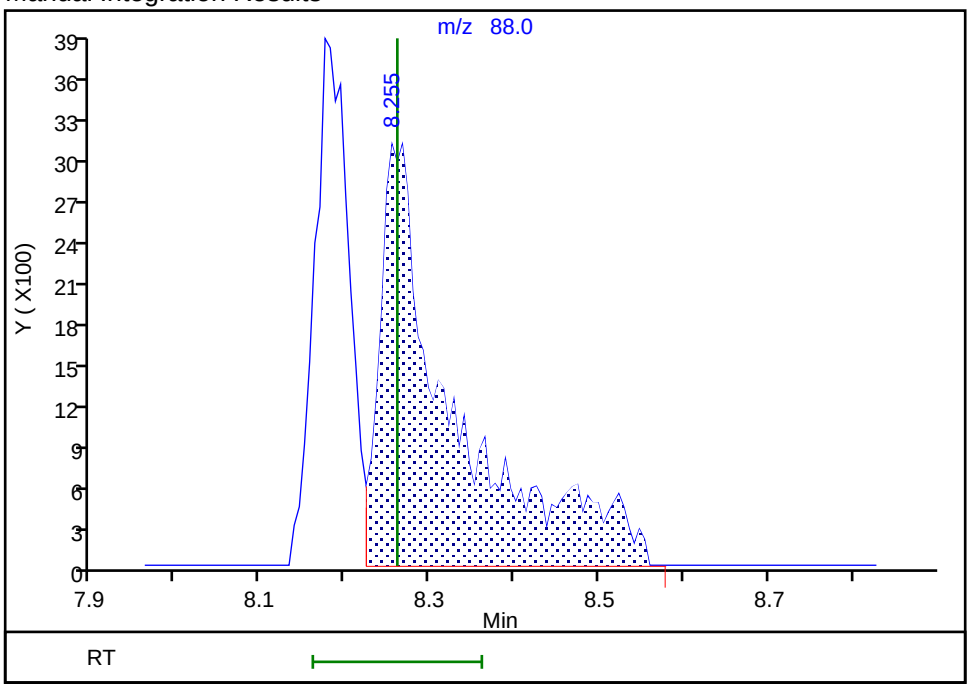
Processing Integration Results

RT: 8.26
Area: 19208
Amount: 101.1225
Amount Units: ug/l



Manual Integration Results

RT: 8.26
Area: 18382
Amount: 96.891031
Amount Units: ug/l



Reviewer: DVW2, 12-Dec-2023 11:05:29 -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\10193\20231211-101546.b\CD11X16.D
Lims ID: IC std5 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 11-Dec-2023 22:57:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0101546-017
Misc. Info.: IC STD5 5
Operator ID: gaw91131 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 14-Dec-2023 10:50:22 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: DVW2 Date: 12-Dec-2023 11:07:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.829	1.817	0.012	99	339830	5.00	5.23	
5 Chloromethane	50	2.012	2.000	0.012	99	383043	5.00	4.71	
6 Vinyl chloride	62	2.116	2.110	0.006	98	366917	5.00	4.95	
7 Butadiene	39	2.122	2.110	0.012	94	386491	5.00	5.17	
9 Bromomethane	94	2.421	2.409	0.012	90	245969	5.00	4.81	
10 Chloroethane	64	2.482	2.470	0.012	100	198869	5.00	4.84	
11 Dichlorofluoromethane	67	2.713	2.701	0.012	97	536920	5.00	4.79	
12 Trichlorofluoromethane	101	2.774	2.762	0.012	98	417459	5.00	5.17	
13 Pentane	43	2.774	2.762	0.012	97	441858	5.00	5.17	
14 Ethyl ether	59	2.963	2.957	0.006	93	218468	5.00	4.97	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.067	3.055	0.012	92	300833	5.00	4.71	
17 Acrolein	56	3.122	3.110	0.012	100	1574224	250.0	254.6	
18 1,1-Dichloroethene	96	3.244	3.232	0.012	97	221835	5.00	4.87	
20 Acetone	43	3.274	3.268	0.006	100	299808	50.0	41.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.293	3.287	0.006	91	249666	5.00	5.21	
22 Iodomethane	142	3.414	3.409	0.006	98	464992	5.00	4.87	
24 Isopropyl alcohol	45	3.427	3.421	0.006	40	140956	100.0	87.4	
23 Ethyl bromide	108	3.445	3.433	0.012	98	216163	5.00	5.06	
25 Carbon disulfide	76	3.506	3.500	0.006	99	779361	5.00	4.91	
26 Methyl acetate	43	3.652	3.646	0.006	97	108478	5.00	4.43	
29 3-Chloro-1-propene	41	3.677	3.665	0.012	92	416364	5.00	4.88	
30 Methylene Chloride	84	3.841	3.829	0.012	92	257115	5.00	4.80	
* 31 t-Butyl alcohol-d10 (IS)	65	3.859	3.853	0.006	96	137958	50.0	50.0	
32 2-Methyl-2-propanol	59	3.969	3.969	0.000	99	269585	100.0	86.3	
33 Acrylonitrile	53	4.158	4.152	0.006	98	127444	12.5	11.2	
35 trans-1,2-Dichloroethene	96	4.213	4.201	0.012	99	261558	5.00	4.82	
34 Methyl tert-butyl ether	73	4.213	4.207	0.006	90	722804	5.00	4.87	
36 Hexane	57	4.634	4.628	0.006	94	374901	5.00	5.10	
37 1,1-Dichloroethane	63	4.878	4.872	0.006	96	485432	5.00	4.88	
39 Isopropyl ether	45	4.939	4.933	0.006	94	898950	5.00	4.84	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.987	4.975	0.012	91	401061	5.00	4.89	
41 Tert-butyl ethyl ether	59	5.481	5.481	0.000	98	857468	5.00	4.85	
42 2-Butanone (MEK)	43	5.694	5.682	0.012	100	731682	50.0	47.6	
43 cis-1,2-Dichloroethene	96	5.719	5.719	0.000	82	299607	5.00	4.90	
44 2,2-Dichloropropane	77	5.737	5.731	0.006	87	385000	5.00	4.66	
45 Propionitrile	54	5.792	5.780	0.012	99	376174	100.0	97.1	
47 Methacrylonitrile	67	5.999	5.999	0.000	92	719423	50.0	49.1	
48 Chlorobromomethane	128	6.054	6.048	0.006	91	134071	5.00	4.89	
49 Tetrahydrofuran	71	6.060	6.054	0.006	75	106650	25.0	24.1	
S 52 1,2-Dichloroethene, Total	100				0			9.71	
50 Chloroform	83	6.213	6.213	0.000	94	473657	5.00	4.68	
$ 54 Dibromofluoromethane (Surr)	113	6.432	6.426	0.006	94	458570	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.438	6.432	0.006	96	410011	5.00	4.88	
55 Cyclohexane	56	6.530	6.530	0.000	91	474323	5.00	5.12	
56 Carbon tetrachloride	117	6.646	6.640	0.006	97	365624	5.00	4.94	
57 1,1-Dichloropropene	75	6.652	6.646	0.006	97	367591	5.00	4.87	
58 Isobutyl alcohol	41	6.841	6.841	0.000	94	257238	250.0	228.9	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.895	6.890	0.005	99	91235	10.0	9.90	
60 Benzene	78	6.920	6.914	0.006	97	1119156	5.00	4.83	
61 1,2-Dichloroethane	62	6.993	6.987	0.006	97	295610	5.00	4.74	
64 Tert-amyl methyl ether	73	7.127	7.121	0.006	98	774496	5.00	4.82	
* 65 Fluorobenzene (IS)	96	7.334	7.335	-0.001	98	2042373	10.0	10.0	
66 n-Heptane	43	7.347	7.347	0.000	92	390311	5.00	4.98	
67 n-Butanol	56	7.749	7.743	0.006	89	391669	437.5	411.4	
68 Trichloroethene	95	7.816	7.816	0.000	97	287521	5.00	4.80	
69 Methylcyclohexane	83	8.127	8.127	0.000	92	500767	5.00	5.15	
70 1,2-Dichloropropane	63	8.157	8.158	-0.001	97	292772	5.00	4.86	
71 2-ethoxy-2-methyl butane	87	8.188	8.182	0.006	93	468533	5.00	4.87	
74 1,4-Dioxane	88	8.255	8.261	-0.006	30	46248	250.0	239.2	M
73 Methyl methacrylate	69	8.267	8.261	0.006	91	143879	5.00	4.85	
72 Dibromomethane	93	8.267	8.267	0.000	87	142096	5.00	4.84	
76 Dichlorobromomethane	83	8.517	8.517	0.000	99	344772	5.00	4.93	
77 2-Nitropropane	41	8.810	8.810	0.000	99	202752	25.0	24.2	
78 1-Bromo-2-chloroethane	63	8.913	8.914	-0.001	98	312762	5.00	5.07	
80 cis-1,3-Dichloropropene	75	9.090	9.090	0.000	96	453200	5.00	4.96	
82 4-Methyl-2-pentanone (MIBK)	43	9.291	9.292	-0.001	97	1887430	50.0	49.2	
$ 83 Toluene-d8 (Surr)	98	9.419	9.413	0.006	93	2013700	10.0	10.0	
84 Toluene	92	9.499	9.499	0.000	98	742678	5.00	4.86	
85 trans-1,3-Dichloropropene	75	9.785	9.779	0.006	93	383692	5.00	4.89	
86 Ethyl methacrylate	69	9.858	9.858	0.000	90	325668	5.00	4.98	
87 1,1,2-Trichloroethane	97	9.992	9.993	-0.001	90	207223	5.00	4.78	
S 107 1,3-Dichloropropene, Total	100				0			9.85	
88 Tetrachloroethene	166	10.078	10.072	0.006	98	343266	5.00	4.87	
89 1,3-Dichloropropane	76	10.163	10.163	0.000	92	357947	5.00	4.81	
106 2-Hexanone	43	10.230	10.230	0.000	97	1402425	50.0	49.6	
108 Chlorodibromomethane	129	10.383	10.383	0.000	90	260164	5.00	4.92	
110 Ethylene Dibromide	107	10.492	10.492	0.000	98	205469	5.00	4.88	
* 111 Chlorobenzene-d5 (IS)	117	10.950	10.950	0.000	84	1587835	10.0	10.0	
112 1-Chlorohexane	91	10.968	10.968	0.000	99	400900	5.00	4.71	
113 Chlorobenzene	112	10.974	10.974	0.000	96	869576	5.00	4.88	
115 Ethylbenzene	91	11.071	11.066	0.005	98	1450251	5.00	4.87	
114 1,1,1,2-Tetrachloroethane	131	11.065	11.066	-0.001	96	300411	5.00	4.87	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.187	11.187	0.000	97	1173333	10.0	9.79	
S 117 Xylenes, Total	106				0			14.7	
118 o-Xylene	106	11.529	11.529	0.000	96	581730	5.00	4.87	
119 Styrene	104	11.541	11.541	0.000	95	966398	5.00	4.94	
120 Bromoform	173	11.699	11.700	-0.001	97	160229	5.00	4.84	
121 Isopropylbenzene	105	11.840	11.840	0.000	95	1390735	5.00	4.89	
$ 124 4-Bromofluorobenzene (Surr)	95	11.980	11.980	0.000	93	808909	10.0	10.0	
126 1,1,2,2-Tetrachloroethane	83	12.096	12.096	0.000	75	264242	5.00	4.81	
125 Bromobenzene	156	12.096	12.102	-0.006	92	389945	5.00	4.80	
127 trans-1,4-Dichloro-2-butene	53	12.120	12.120	0.000	93	729396	50.0	49.1	
128 1,2,3-Trichloropropane	110	12.138	12.139	0.000	78	71794	5.00	4.80	
129 N-Propylbenzene	91	12.175	12.175	0.000	99	1740820	5.00	4.85	
130 2-Chlorotoluene	126	12.248	12.248	0.000	97	371575	5.00	4.76	
131 1,3,5-Trimethylbenzene	105	12.321	12.321	0.000	94	1289480	5.00	4.82	
132 4-Chlorotoluene	126	12.346	12.346	0.000	97	388785	5.00	4.75	
133 tert-Butylbenzene	134	12.565	12.565	0.000	93	299921	5.00	4.85	
134 Pentachloroethane	167	12.596	12.596	0.000	93	241155	5.00	5.08	
135 1,2,4-Trimethylbenzene	105	12.608	12.608	0.000	97	1328434	5.00	4.82	
136 sec-Butylbenzene	105	12.730	12.730	0.000	94	1642103	5.00	4.87	
137 1,3-Dichlorobenzene	146	12.827	12.827	0.000	98	775814	5.00	4.80	
138 4-Isopropyltoluene	119	12.839	12.846	-0.007	97	1468012	5.00	4.82	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	948445	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.900	12.901	-0.001	95	781058	5.00	4.76	
141 1,2,3-Trimethylbenzene	120	12.919	12.919	0.000	98	606581	5.00	4.80	
142 Benzyl chloride	126	12.986	12.986	0.000	98	110788	5.00	5.04	
145 p-Diethylbenzene	119	13.120	13.120	0.000	94	914077	5.00	4.86	
143 n-Butylbenzene	92	13.138	13.138	0.000	97	713710	5.00	4.84	
144 1,2-Dichlorobenzene	146	13.169	13.169	0.000	99	703130	5.00	4.76	
148 1,2-Dibromo-3-Chloropropane	155	13.717	13.717	0.000	89	36662	5.00	4.73	
149 1,3,5-Trichlorobenzene	180	13.845	13.845	0.000	98	574272	5.00	4.80	
150 1,2,4-Trichlorobenzene	180	14.272	14.272	0.000	94	459227	5.00	4.97	
151 Hexachlorobutadiene	225	14.357	14.364	-0.007	97	238986	5.00	4.82	
152 Naphthalene	128	14.455	14.455	0.000	97	678769	5.00	4.96	
153 1,2,3-Trichlorobenzene	180	14.601	14.601	0.000	96	329360	5.00	4.87	
154 2-Methylnaphthalene	142	15.217	15.217	0.000	92	190655	5.00	5.18	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00107	Amount Added:	5.00	Units: uL	
MSV_LL_#2_826_00117	Amount Added:	5.00	Units: uL	
MSV_LL_GAS826_00182	Amount Added:	5.00	Units: uL	
MSV_29_826ISS_00052	Amount Added:	1.00	Units: uL	Run Reagent

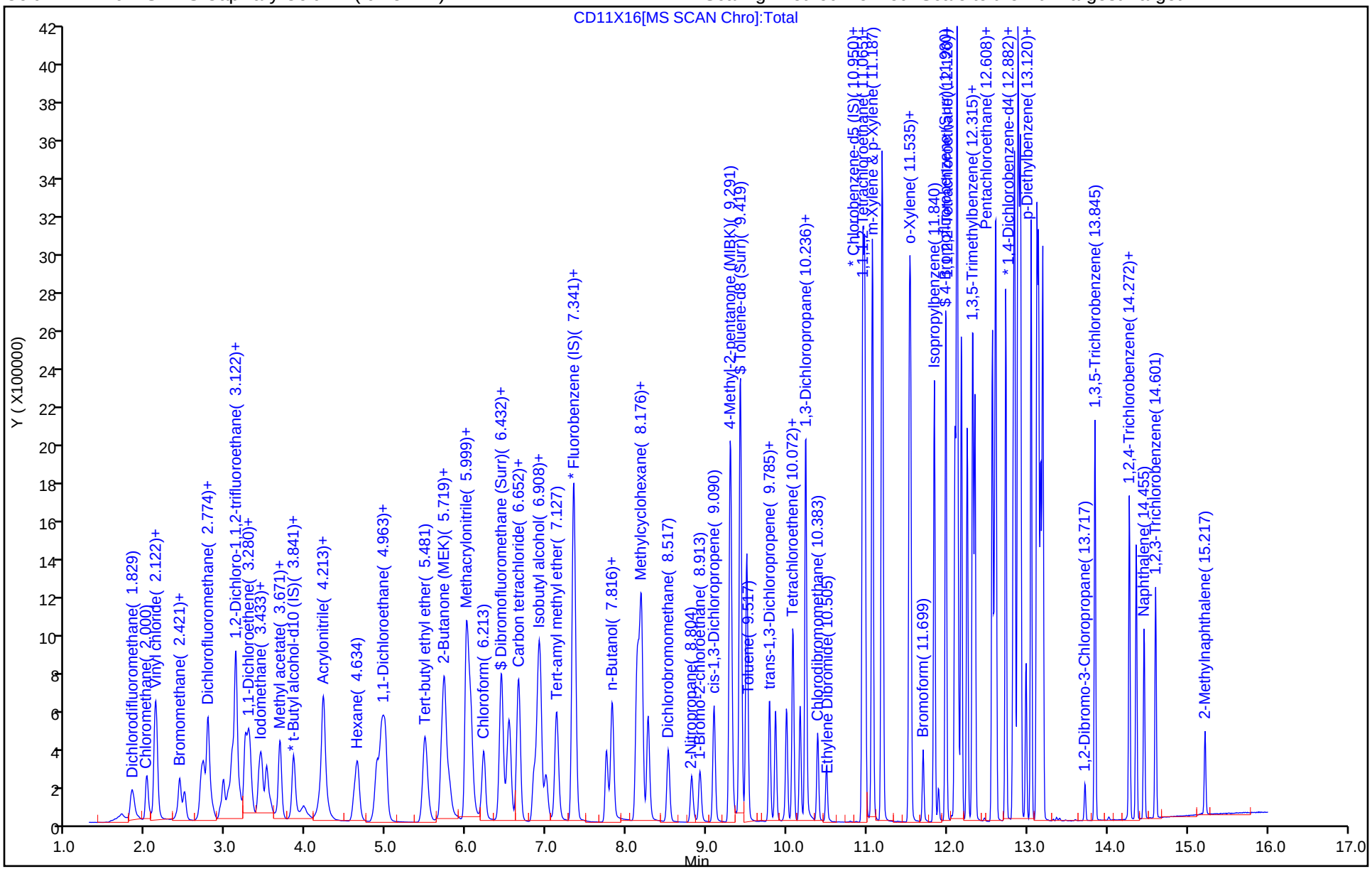
Report Date: 14-Dec-2023 10:50:23 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X16.D

Injection Date:	11-Dec-2023 22:57:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	IC std5 5			Worklist Smp#:	17
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

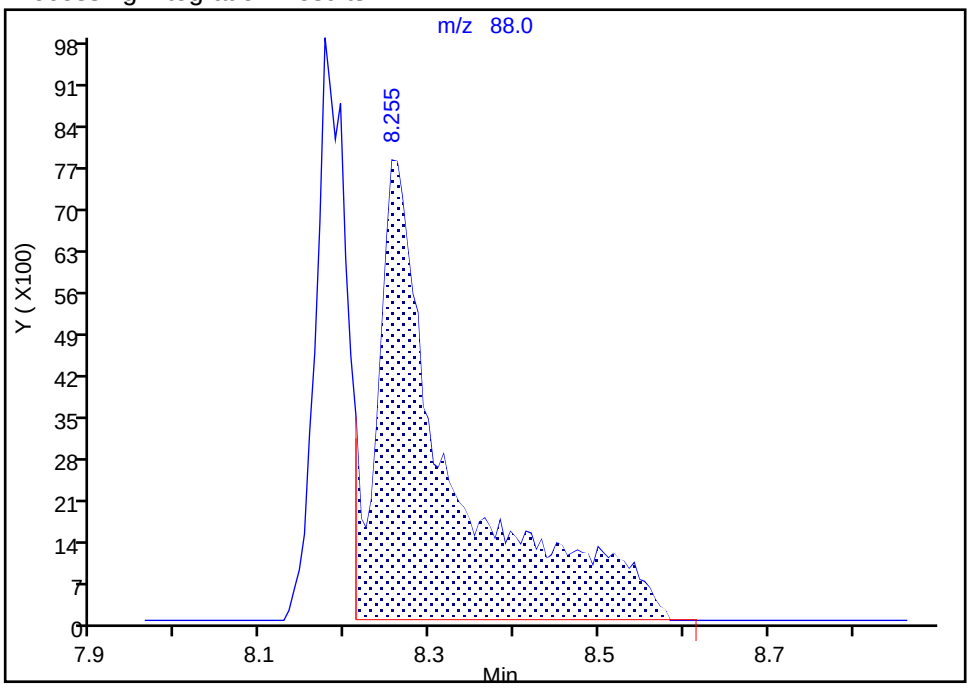
Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X16.D
Injection Date: 11-Dec-2023 22:57:30 Instrument ID: 10193
Lims ID: IC std5 5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

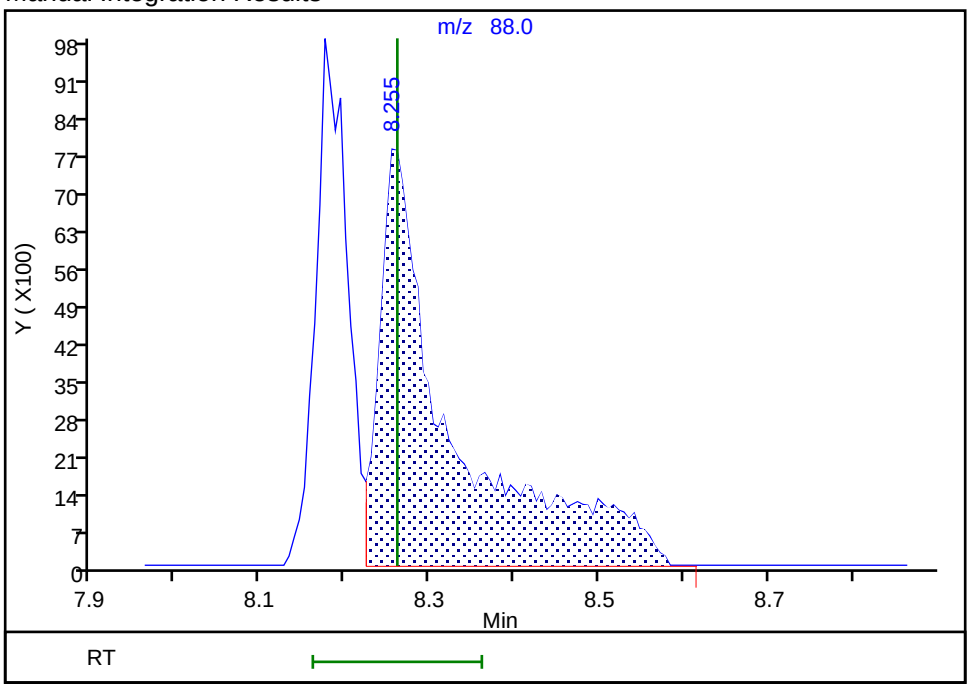
Processing Integration Results

RT: 8.25
Area: 48143
Amount: 257.6911
Amount Units: ug/l



Manual Integration Results

RT: 8.25
Area: 46248
Amount: 239.1831
Amount Units: ug/l



Reviewer: DVW2, 12-Dec-2023 11:07:26 -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\10193\20231211-101546.b\CD11X17.D
Lims ID: ICIS 10
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 11-Dec-2023 23:19:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0101546-018
Misc. Info.: ICIS 10
Operator ID: gaw91131 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 14-Dec-2023 10:50:30 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: DVW2 Date: 12-Dec-2023 15:21:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.817	1.817	0.000	99	704975	10.0	10.8	
5 Chloromethane	50	2.000	2.000	0.000	99	803117	10.0	9.81	
6 Vinyl chloride	62	2.110	2.110	0.000	98	763768	10.0	10.2	
7 Butadiene	39	2.110	2.110	0.000	94	780474	10.0	10.4	
9 Bromomethane	94	2.409	2.409	0.000	90	510845	10.0	9.92	
10 Chloroethane	64	2.470	2.470	0.000	100	405704	10.0	9.81	
11 Dichlorofluoromethane	67	2.701	2.701	0.000	97	1115048	10.0	9.90	
12 Trichlorofluoromethane	101	2.762	2.762	0.000	98	866521	10.0	10.7	
13 Pentane	43	2.762	2.762	0.000	98	942946	10.0	11.0	
14 Ethyl ether	59	2.957	2.957	0.000	92	449973	10.0	10.2	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.055	3.055	0.000	93	629698	10.0	9.81	
17 Acrolein	56	3.110	3.110	0.000	100	3360514	500.0	533.1	
18 1,1-Dichloroethene	96	3.232	3.232	0.000	98	466728	10.0	10.2	
20 Acetone	43	3.268	3.268	0.000	100	775360	100.0	105.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.287	3.287	0.000	91	524879	10.0	10.9	
22 Iodomethane	142	3.409	3.409	0.000	98	981576	10.0	10.2	
24 Isopropyl alcohol	45	3.421	3.421	0.000	41	324341	200.0	197.4	
23 Ethyl bromide	108	3.433	3.433	0.000	98	441907	10.0	10.3	
25 Carbon disulfide	76	3.500	3.500	0.000	99	1678820	10.0	10.5	
26 Methyl acetate	43	3.646	3.646	0.000	97	232146	10.0	9.31	
29 3-Chloro-1-propene	41	3.665	3.665	0.000	92	883740	10.0	10.3	
30 Methylene Chloride	84	3.829	3.829	0.000	93	545785	10.0	10.1	
* 31 t-Butyl alcohol-d10 (IS)	65	3.841	3.841	0.000	96	140657	50.0	50.0	M
32 2-Methyl-2-propanol	59	3.969	3.969	0.000	99	592128	200.0	185.8	
33 Acrylonitrile	53	4.152	4.152	0.000	98	272924	25.0	23.6	
35 trans-1,2-Dichloroethene	96	4.201	4.201	0.000	99	556344	10.0	10.2	
34 Methyl tert-butyl ether	73	4.207	4.207	0.000	97	1522863	10.0	10.2	
36 Hexane	57	4.628	4.628	0.000	93	808320	10.0	10.9	
37 1,1-Dichloroethane	63	4.872	4.872	0.000	96	1005944	10.0	10.0	
39 Isopropyl ether	45	4.933	4.933	0.000	94	1903110	10.0	10.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.975	4.975	0.000	91	867976	10.0	10.5	
41 Tert-butyl ethyl ether	59	5.481	5.481	0.000	98	1830203	10.0	10.3	
42 2-Butanone (MEK)	43	5.682	5.682	0.000	100	1555121	100.0	99.2	
43 cis-1,2-Dichloroethene	96	5.719	5.719	0.000	82	629624	10.0	10.2	
44 2,2-Dichloropropane	77	5.731	5.731	0.000	87	830602	10.0	10.0	
45 Propionitrile	54	5.780	5.780	0.000	99	783924	200.0	198.6	
47 Methacrylonitrile	67	5.999	5.999	0.000	94	1549568	100.0	103.7	
48 Chlorobromomethane	128	6.048	6.048	0.000	92	284196	10.0	10.3	
49 Tetrahydrofuran	71	6.054	6.054	0.000	82	222091	50.0	49.2	
50 Chloroform	83	6.213	6.213	0.000	94	994622	10.0	9.77	
$ 54 Dibromofluoromethane (Surr)	113	6.426	6.426	0.000	94	462070	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.432	6.432	0.000	98	879346	10.0	10.4	
55 Cyclohexane	56	6.530	6.530	0.000	91	1030217	10.0	11.1	
56 Carbon tetrachloride	117	6.640	6.640	0.000	96	802439	10.0	10.8	
57 1,1-Dichloropropene	75	6.646	6.646	0.000	97	785600	10.0	10.4	
58 Isobutyl alcohol	41	6.841	6.841	0.000	95	561004	500.0	489.5	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.890	6.890	0.000	99	92379	10.0	9.96	
60 Benzene	78	6.914	6.914	0.000	96	2372895	10.0	10.2	
61 1,2-Dichloroethane	62	6.987	6.987	0.000	98	625013	10.0	9.97	
64 Tert-amyl methyl ether	73	7.121	7.121	0.000	98	1659586	10.0	10.3	
* 65 Fluorobenzene (IS)	96	7.328	7.328	0.000	99	2054434	10.0	10.0	
66 n-Heptane	43	7.347	7.347	0.000	92	857327	10.0	10.9	
67 n-Butanol	56	7.743	7.743	0.000	89	933323	875.0	961.6	
68 Trichloroethene	95	7.816	7.816	0.000	97	616114	10.0	10.2	
69 Methylcyclohexane	83	8.127	8.127	0.000	91	1089973	10.0	11.1	
70 1,2-Dichloropropane	63	8.158	8.158	0.000	97	615564	10.0	10.2	
71 2-ethoxy-2-methyl butane	87	8.182	8.182	0.000	93	998241	10.0	10.3	
74 1,4-Dioxane	88	8.261	8.261	0.000	35	109779	500.0	556.9	M
73 Methyl methacrylate	69	8.261	8.261	0.000	92	313133	10.0	10.4	
72 Dibromomethane	93	8.267	8.267	0.000	93	304525	10.0	10.3	
76 Dichlorobromomethane	83	8.517	8.517	0.000	99	736839	10.0	10.5	
77 2-Nitropropane	41	8.810	8.810	0.000	98	447001	50.0	52.4	
78 1-Bromo-2-chloroethane	63	8.914	8.914	0.000	99	648350	10.0	10.4	
80 cis-1,3-Dichloropropene	75	9.090	9.090	0.000	96	965494	10.0	10.5	
82 4-Methyl-2-pentanone (MIBK)	43	9.292	9.292	0.000	97	4058960	100.0	103.7	
$ 83 Toluene-d8 (Surr)	98	9.413	9.413	0.000	93	2027962	10.0	10.0	
84 Toluene	92	9.499	9.499	0.000	98	1575422	10.0	10.3	
85 trans-1,3-Dichloropropene	75	9.779	9.779	0.000	93	825819	10.0	10.5	
86 Ethyl methacrylate	69	9.858	9.858	0.000	90	692186	10.0	10.5	
87 1,1,2-Trichloroethane	97	9.993	9.993	0.000	91	434673	10.0	9.96	
88 Tetrachloroethene	166	10.072	10.072	0.000	98	733983	10.0	10.4	
89 1,3-Dichloropropane	76	10.163	10.163	0.000	92	765671	10.0	10.2	
106 2-Hexanone	43	10.230	10.230	0.000	97	3036165	100.0	105.4	
108 Chlorodibromomethane	129	10.383	10.383	0.000	90	570920	10.0	10.7	
110 Ethylene Dibromide	107	10.492	10.492	0.000	99	438405	10.0	10.3	
* 111 Chlorobenzene-d5 (IS)	117	10.944	10.944	0.000	85	1597591	10.0	10.0	
112 1-Chlorohexane	91	10.968	10.968	0.000	98	865703	10.0	10.1	
113 Chlorobenzene	112	10.974	10.974	0.000	96	1838587	10.0	10.2	
115 Ethylbenzene	91	11.066	11.066	0.000	98	3122768	10.0	10.4	
114 1,1,1,2-Tetrachloroethane	131	11.066	11.066	0.000	97	648925	10.0	10.5	
116 m-Xylene & p-Xylene	106	11.187	11.187	0.000	97	2500002	20.0	20.7	
118 o-Xylene	106	11.529	11.529	0.000	96	1251570	10.0	10.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
119 Styrene	104	11.541	11.541	0.000	95	2087043	10.0	10.6	
120 Bromoform	173	11.700	11.700	0.000	98	357087	10.0	10.7	
121 Isopropylbenzene	105	11.840	11.840	0.000	95	2995216	10.0	10.5	
$ 124 4-Bromofluorobenzene (Surr)	95	11.980	11.980	0.000	93	818052	10.0	10.1	
126 1,1,2,2-Tetrachloroethane	83	12.096	12.096	0.000	76	572200	10.0	10.2	
125 Bromobenzene	156	12.102	12.102	0.000	90	832877	10.0	10.1	
127 trans-1,4-Dichloro-2-butene	53	12.120	12.120	0.000	93	1603128	100.0	106.0	
128 1,2,3-Trichloropropane	110	12.139	12.139	0.000	80	148787	10.0	9.77	
129 N-Propylbenzene	91	12.175	12.175	0.000	99	3735966	10.0	10.2	
130 2-Chlorotoluene	126	12.248	12.248	0.000	97	798211	10.0	10.0	
131 1,3,5-Trimethylbenzene	105	12.321	12.321	0.000	94	2800564	10.0	10.3	
132 4-Chlorotoluene	126	12.346	12.346	0.000	97	839467	10.0	10.1	
133 tert-Butylbenzene	134	12.565	12.565	0.000	93	648979	10.0	10.3	
134 Pentachloroethane	167	12.596	12.596	0.000	94	519031	10.0	10.7	
135 1,2,4-Trimethylbenzene	105	12.608	12.608	0.000	97	2891517	10.0	10.3	
136 sec-Butylbenzene	105	12.730	12.730	0.000	94	3575738	10.0	10.4	
137 1,3-Dichlorobenzene	146	12.827	12.827	0.000	98	1678162	10.0	10.2	
138 4-Isopropyltoluene	119	12.846	12.846	0.000	97	3218405	10.0	10.4	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	965542	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.901	12.901	0.000	95	1696617	10.0	10.2	
141 1,2,3-Trimethylbenzene	120	12.919	12.919	0.000	98	1318241	10.0	10.2	
142 Benzyl chloride	126	12.986	12.986	0.000	98	251995	10.0	11.3	
145 p-Diethylbenzene	119	13.120	13.120	0.000	93	1991722	10.0	10.4	
143 n-Butylbenzene	92	13.138	13.138	0.000	96	1558615	10.0	10.4	
144 1,2-Dichlorobenzene	146	13.169	13.169	0.000	99	1541377	10.0	10.3	
148 1,2-Dibromo-3-Chloropropane	155	13.717	13.717	0.000	89	87009	10.0	11.0	
149 1,3,5-Trichlorobenzene	180	13.845	13.845	0.000	98	1271651	10.0	10.4	
150 1,2,4-Trichlorobenzene	180	14.272	14.272	0.000	94	1036062	10.0	11.0	
151 Hexachlorobutadiene	225	14.364	14.364	0.000	96	530205	10.0	10.5	
152 Naphthalene	128	14.455	14.455	0.000	97	1621269	10.0	11.6	
153 1,2,3-Trichlorobenzene	180	14.601	14.601	0.000	96	790460	10.0	11.5	
154 2-Methylnaphthalene	142	15.217	15.217	0.000	92	560657	10.0	15.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00107	Amount Added: 10.00	Units: uL	
MSV_LL_#2_826_00117	Amount Added: 10.00	Units: uL	
MSV_LL_GAS826_00182	Amount Added: 10.00	Units: uL	
MSV_29_826ISS_00052	Amount Added: 1.00	Units: uL	Run Reagent

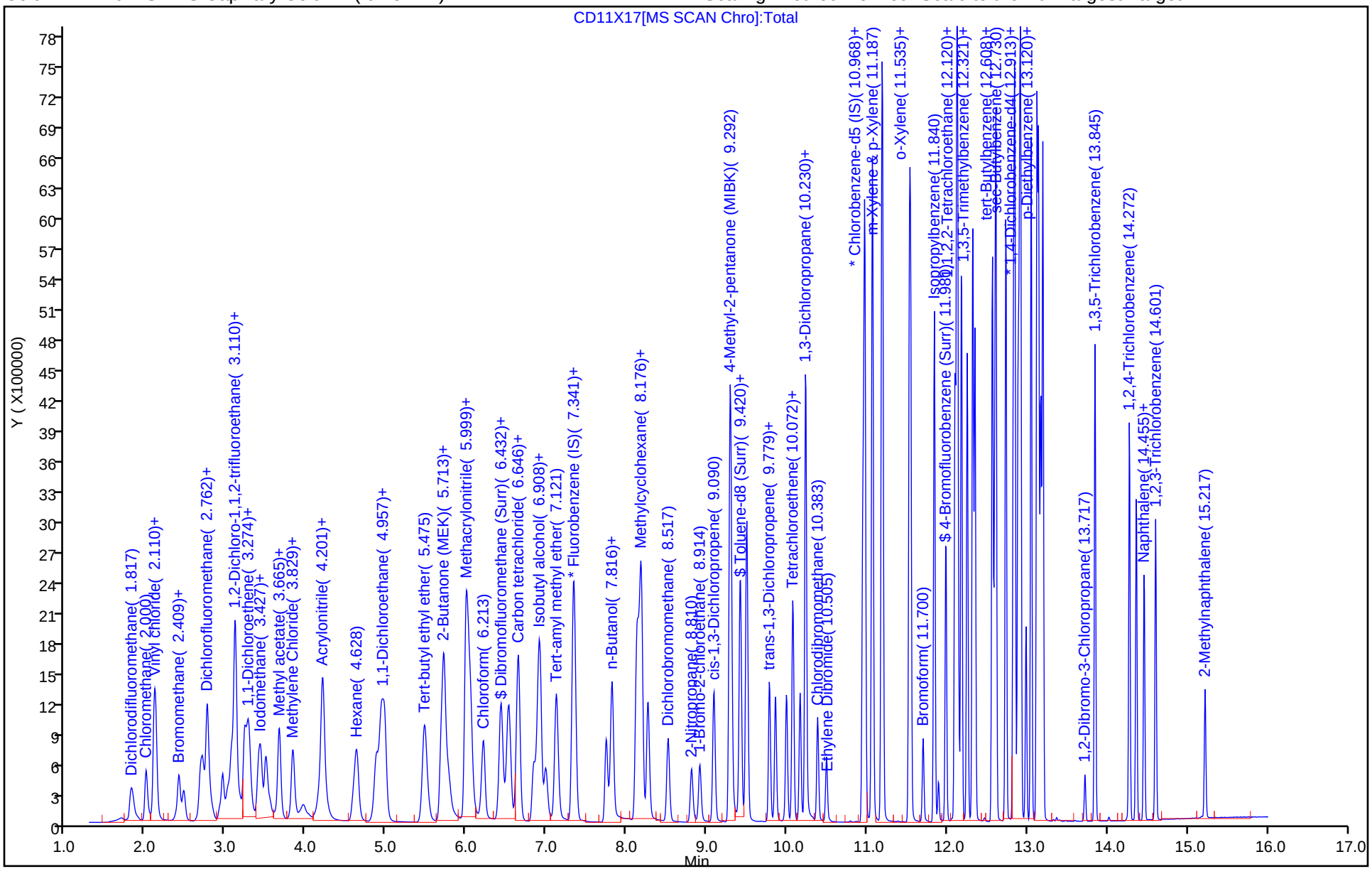
Report Date: 14-Dec-2023 10:50:31 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X17.D

Injection Date:	11-Dec-2023 23:19:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	ICIS 10			Worklist Smp#:	18
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

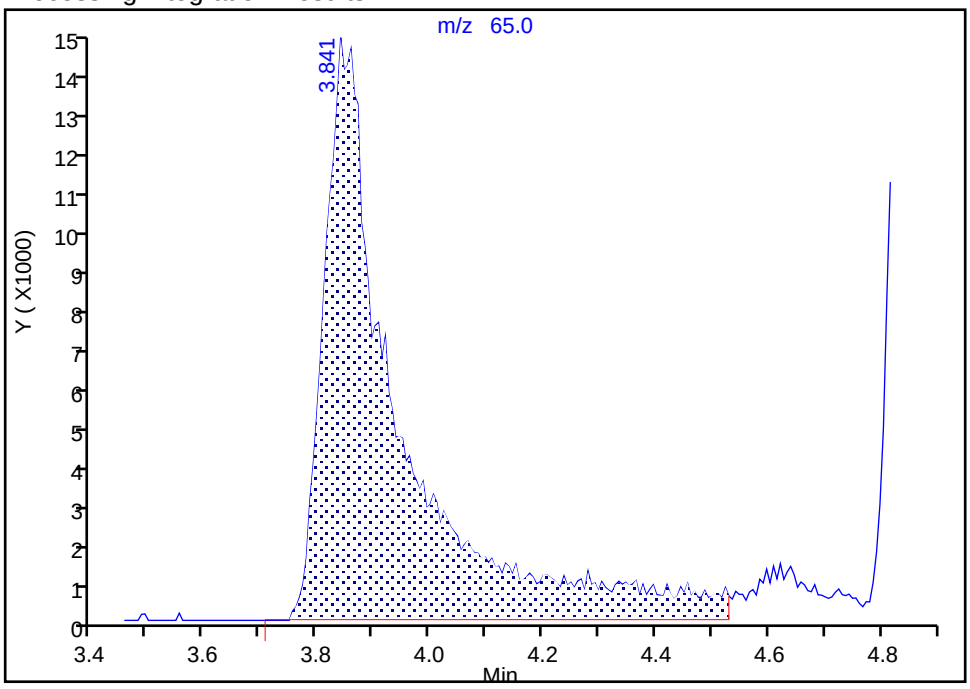
Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X17.D
Injection Date: 11-Dec-2023 23:19:30 Instrument ID: 10193
Lims ID: ICIS 10
Client ID:
Operator ID: gaw91131 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 31 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

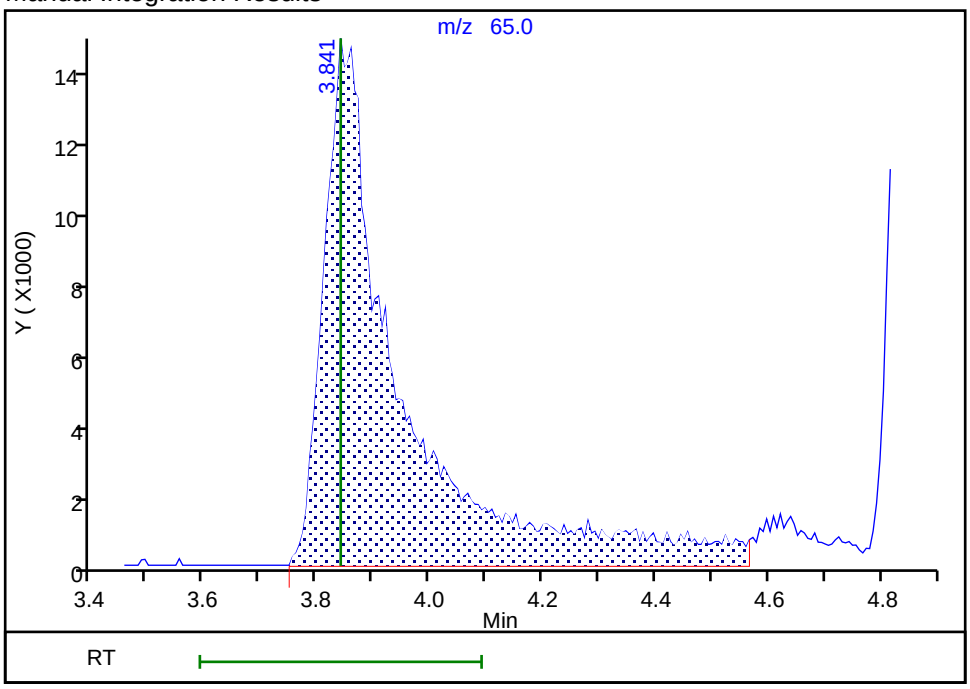
Processing Integration Results

RT: 3.84
Area: 139247
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.84
Area: 140657
Amount: 50.000000
Amount Units: ug/l



Reviewer: UKEK, 14-Dec-2023 10:37:34 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

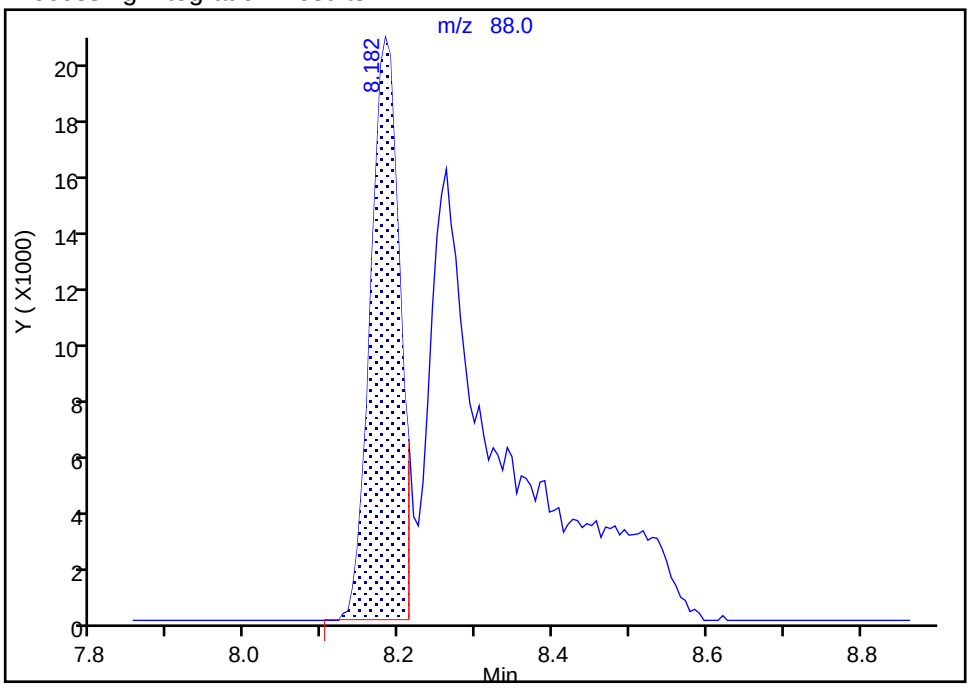
Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X17.D
Injection Date: 11-Dec-2023 23:19:30 Instrument ID: 10193
Lims ID: ICIS 10
Client ID:
Operator ID: gaw91131 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

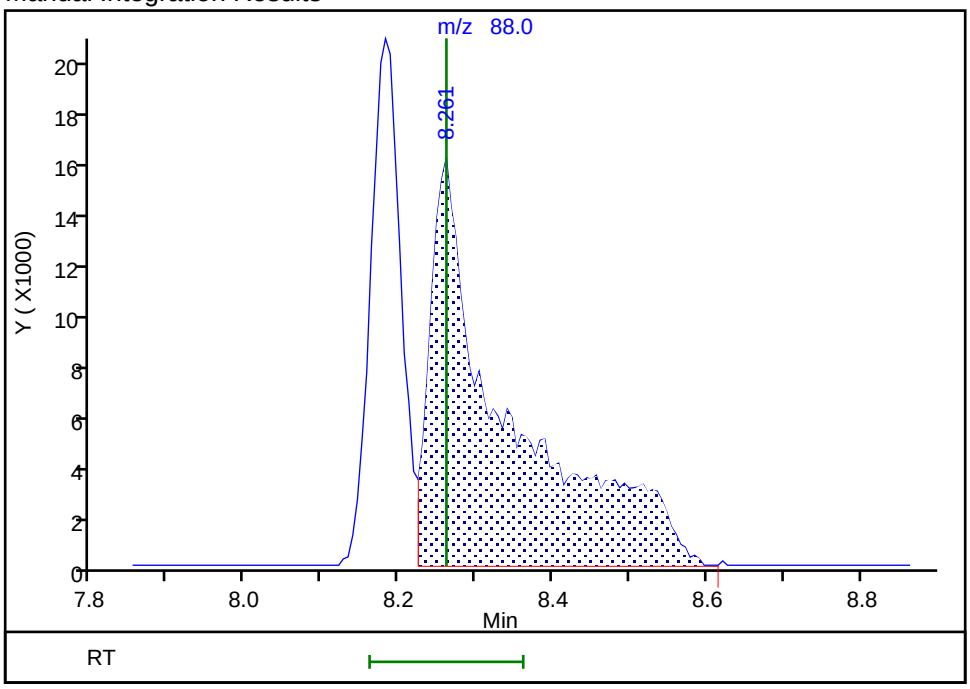
Processing Integration Results

RT: 8.18
Area: 53839
Amount: 318.5466
Amount Units: ug/l



Manual Integration Results

RT: 8.26
Area: 109779
Amount: 556.8552
Amount Units: ug/l



Reviewer: DVW2, 12-Dec-2023 12:17:20 -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\10193\20231211-101546.b\CD11X18.D
Lims ID: IC std7 25
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 11-Dec-2023 23:41:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0101546-019
Misc. Info.: IC STD7 25
Operator ID: gaw91131 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 14-Dec-2023 10:50:38 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: DVW2 Date: 12-Dec-2023 11:11:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.823	1.817	0.006	99	1766053	25.0	26.1	
5 Chloromethane	50	2.000	2.000	0.000	99	1919302	25.0	22.7	
6 Vinyl chloride	62	2.104	2.110	-0.006	98	1861110	25.0	24.1	
7 Butadiene	39	2.116	2.110	0.006	94	1880721	25.0	24.2	
9 Bromomethane	94	2.409	2.409	0.000	90	1229403	25.0	23.1	
10 Chloroethane	64	2.470	2.470	0.000	100	999693	25.0	23.4	
11 Dichlorofluoromethane	67	2.707	2.701	0.006	97	2737082	25.0	23.5	
12 Trichlorofluoromethane	101	2.762	2.762	0.000	98	2125145	25.0	25.3	
13 Pentane	43	2.762	2.762	0.000	97	2235091	25.0	25.1	
14 Ethyl ether	59	2.951	2.957	-0.006	92	1095312	25.0	24.0	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.061	3.055	0.006	92	1566308	25.0	23.6	
17 Acrolein	56	3.110	3.110	0.000	99	8450546	1249.9	1300.9	
18 1,1-Dichloroethene	96	3.232	3.232	0.000	98	1113382	25.0	23.5	
20 Acetone	43	3.268	3.268	0.000	100	1465459	250.0	193.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.287	3.287	0.000	91	1251194	25.0	25.1	
22 Iodomethane	142	3.402	3.409	-0.006	98	2390053	25.0	24.1	
24 Isopropyl alcohol	45	3.421	3.421	0.000	92	836496	500.0	493.9	
23 Ethyl bromide	108	3.433	3.433	0.000	98	1085147	25.0	24.4	
25 Carbon disulfide	76	3.500	3.500	0.000	99	4093133	25.0	24.8	
26 Methyl acetate	43	3.646	3.646	0.000	97	603787	25.0	23.5	
29 3-Chloro-1-propene	41	3.665	3.665	0.000	92	2162959	25.0	24.3	
30 Methylene Chloride	84	3.835	3.829	0.006	93	1333450	25.0	23.9	
* 31 t-Butyl alcohol-d10 (IS)	65	3.847	3.841	0.006	36	144957	50.0	50.0	M
32 2-Methyl-2-propanol	59	3.963	3.969	-0.006	100	1573639	500.0	479.2	
33 Acrylonitrile	53	4.152	4.152	0.000	98	710186	62.5	59.5	
35 trans-1,2-Dichloroethene	96	4.201	4.201	0.000	98	1352643	25.0	23.9	
34 Methyl tert-butyl ether	73	4.201	4.207	-0.006	95	3739425	25.0	24.2	
36 Hexane	57	4.622	4.628	-0.006	93	1927967	25.0	25.2	
37 1,1-Dichloroethane	63	4.872	4.872	0.000	96	2475289	25.0	23.9	
39 Isopropyl ether	45	4.939	4.933	0.006	94	4697838	25.0	24.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.975	4.975	0.000	91	2122122	25.0	24.9	
41 Tert-butyl ethyl ether	59	5.481	5.481	0.000	98	4484340	25.0	24.4	
42 2-Butanone (MEK)	43	5.689	5.682	0.006	100	3863855	250.0	239.1	
43 cis-1,2-Dichloroethene	96	5.713	5.719	-0.006	82	1534117	25.0	24.1	
44 2,2-Dichloropropane	77	5.731	5.731	0.000	86	2010663	25.0	23.4	
45 Propionitrile	54	5.792	5.780	0.012	99	2046857	500.0	503.1	
47 Methacrylonitrile	67	6.006	5.999	0.007	93	3847742	250.0	249.7	
48 Chlorobromomethane	128	6.048	6.048	0.000	95	697705	25.0	24.4	
49 Tetrahydrofuran	71	6.054	6.054	0.000	89	549929	125.0	118.2	
S 52 1,2-Dichloroethene, Total	100				0			48.0	
50 Chloroform	83	6.213	6.213	0.000	93	2422707	25.0	23.0	
$ 54 Dibromofluoromethane (Surr)	113	6.432	6.426	0.006	94	476883	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.432	6.432	0.000	98	2150263	25.0	24.6	
55 Cyclohexane	56	6.530	6.530	0.000	91	2488742	25.0	25.8	
56 Carbon tetrachloride	117	6.640	6.640	0.000	96	1948893	25.0	25.3	
57 1,1-Dichloropropene	75	6.652	6.646	0.006	97	1928421	25.0	24.6	
58 Isobutyl alcohol	41	6.841	6.841	0.000	95	1407371	1250.0	1191.6	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.896	6.890	0.006	99	96347	10.0	10.0	
60 Benzene	78	6.920	6.914	0.006	96	5758950	25.0	23.9	
61 1,2-Dichloroethane	62	6.993	6.987	0.006	97	1512081	25.0	23.3	
64 Tert-amyl methyl ether	73	7.121	7.121	0.000	98	4105797	25.0	24.6	
* 65 Fluorobenzene (IS)	96	7.335	7.328	0.007	95	2125786	10.0	10.0	
66 n-Heptane	43	7.347	7.347	0.000	93	2058964	25.0	25.2	
67 n-Butanol	56	7.743	7.743	0.000	89	2290397	2187.5	2289.8	
68 Trichloroethene	95	7.816	7.816	0.000	98	1493375	25.0	23.9	
69 Methylcyclohexane	83	8.127	8.127	0.000	91	2616733	25.0	25.9	
70 1,2-Dichloropropane	63	8.164	8.158	0.006	97	1530766	25.0	24.4	
71 2-ethoxy-2-methyl butane	87	8.182	8.182	0.000	93	2483964	25.0	24.8	
74 1,4-Dioxane	88	8.255	8.261	-0.006	32	236766	1250.0	1165.4	M
73 Methyl methacrylate	69	8.261	8.261	0.000	92	747853	25.0	24.0	
72 Dibromomethane	93	8.267	8.267	0.000	92	741296	25.0	24.3	
76 Dichlorobromomethane	83	8.517	8.517	0.000	99	1816650	25.0	24.9	
77 2-Nitropropane	41	8.810	8.810	0.000	98	1135527	125.0	129.2	
78 1-Bromo-2-chloroethane	63	8.913	8.914	-0.001	98	1565129	25.0	24.4	
80 cis-1,3-Dichloropropene	75	9.090	9.090	0.000	96	2390817	25.0	25.1	
82 4-Methyl-2-pentanone (MIBK)	43	9.291	9.292	-0.001	97	10195457	250.0	252.8	
$ 83 Toluene-d8 (Surr)	98	9.419	9.413	0.006	93	2076985	10.0	10.1	
84 Toluene	92	9.499	9.499	0.000	98	3805439	25.0	24.3	
85 trans-1,3-Dichloropropene	75	9.785	9.779	0.006	93	2058324	25.0	25.6	
86 Ethyl methacrylate	69	9.858	9.858	0.000	90	1712572	25.0	25.5	
87 1,1,2-Trichloroethane	97	9.993	9.993	0.000	91	1064541	25.0	23.9	
S 107 1,3-Dichloropropene, Total	100				0			50.7	
88 Tetrachloroethene	166	10.078	10.072	0.006	97	1787353	25.0	24.7	
89 1,3-Dichloropropane	76	10.163	10.163	0.000	91	1875672	25.0	24.5	
106 2-Hexanone	43	10.236	10.230	0.006	96	7340905	250.0	247.3	
108 Chlorodibromomethane	129	10.383	10.383	0.000	90	1419064	25.0	26.1	
110 Ethylene Dibromide	107	10.492	10.492	0.000	99	1066003	25.0	24.7	
* 111 Chlorobenzene-d5 (IS)	117	10.950	10.944	0.006	85	1630500	10.0	10.0	
112 1-Chlorohexane	91	10.968	10.968	0.000	98	2086489	25.0	23.9	
113 Chlorobenzene	112	10.974	10.974	0.000	96	4461216	25.0	24.4	
115 Ethylbenzene	91	11.072	11.066	0.006	98	7602583	25.0	24.8	
114 1,1,1,2-Tetrachloroethane	131	11.066	11.066	0.000	96	1613342	25.0	25.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.187	11.187	0.000	97	6093253	50.0	49.5	
S 117 Xylenes, Total	106				0			74.3	
118 o-Xylene	106	11.529	11.529	0.000	96	3041968	25.0	24.8	
119 Styrene	104	11.541	11.541	0.000	95	5113352	25.0	25.4	
120 Bromoform	173	11.700	11.700	0.000	98	894248	25.0	26.3	
121 Isopropylbenzene	105	11.840	11.840	0.000	95	7253779	25.0	24.8	
$ 124 4-Bromofluorobenzene (Surr)	95	11.980	11.980	0.000	93	845362	10.0	10.2	
126 1,1,2,2-Tetrachloroethane	83	12.096	12.096	0.000	76	1404574	25.0	24.4	
125 Bromobenzene	156	12.102	12.102	0.000	90	2039981	25.0	24.0	
127 trans-1,4-Dichloro-2-butene	53	12.126	12.120	0.006	92	3965883	250.0	254.8	
128 1,2,3-Trichloropropane	110	12.138	12.139	0.000	79	377790	25.0	24.1	
129 N-Propylbenzene	91	12.181	12.175	0.006	98	8962858	25.0	23.8	
130 2-Chlorotoluene	126	12.254	12.248	0.006	97	1957204	25.0	23.9	
131 1,3,5-Trimethylbenzene	105	12.321	12.321	0.000	94	6833167	25.0	24.4	
132 4-Chlorotoluene	126	12.346	12.346	0.000	97	2051366	25.0	23.9	
133 tert-Butylbenzene	134	12.565	12.565	0.000	93	1579695	25.0	24.4	
134 Pentachloroethane	167	12.596	12.596	0.000	90	1296195	25.0	26.0	
135 1,2,4-Trimethylbenzene	105	12.608	12.608	0.000	97	7068513	25.0	24.5	
136 sec-Butylbenzene	105	12.730	12.730	0.000	94	8601972	25.0	24.3	
137 1,3-Dichlorobenzene	146	12.827	12.827	0.000	98	4095253	25.0	24.2	
138 4-Isopropyltoluene	119	12.846	12.846	0.000	97	7792341	25.0	24.4	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	993545	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.901	12.901	0.000	95	4163217	25.0	24.2	
141 1,2,3-Trimethylbenzene	120	12.919	12.919	0.000	98	3231668	25.0	24.4	
142 Benzyl chloride	126	12.986	12.986	0.000	98	628233	25.0	27.3	
145 p-Diethylbenzene	119	13.120	13.120	0.000	94	4817751	25.0	24.4	
143 n-Butylbenzene	92	13.138	13.138	0.000	96	3804524	25.0	24.6	
144 1,2-Dichlorobenzene	146	13.169	13.169	0.000	99	3749917	25.0	24.2	
148 1,2-Dibromo-3-Chloropropane	155	13.717	13.717	0.000	90	217672	25.0	26.8	
149 1,3,5-Trichlorobenzene	180	13.845	13.845	0.000	98	3085921	25.0	24.6	
150 1,2,4-Trichlorobenzene	180	14.272	14.272	0.000	94	2533868	25.0	26.2	
151 Hexachlorobutadiene	225	14.364	14.364	0.000	96	1240392	25.0	23.9	
152 Naphthalene	128	14.455	14.455	0.000	97	4003750	25.0	27.9	
153 1,2,3-Trichlorobenzene	180	14.601	14.601	0.000	96	1895775	25.0	26.8	
154 2-Methylnaphthalene	142	15.217	15.217	0.000	92	1472490	25.0	38.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00107	Amount Added: 25.00	Units: uL	
MSV_LL_#2_826_00117	Amount Added: 25.00	Units: uL	
MSV_LL_GAS826_00182	Amount Added: 25.00	Units: uL	
MSV_29_826ISS_00052	Amount Added: 1.00	Units: uL	Run Reagent

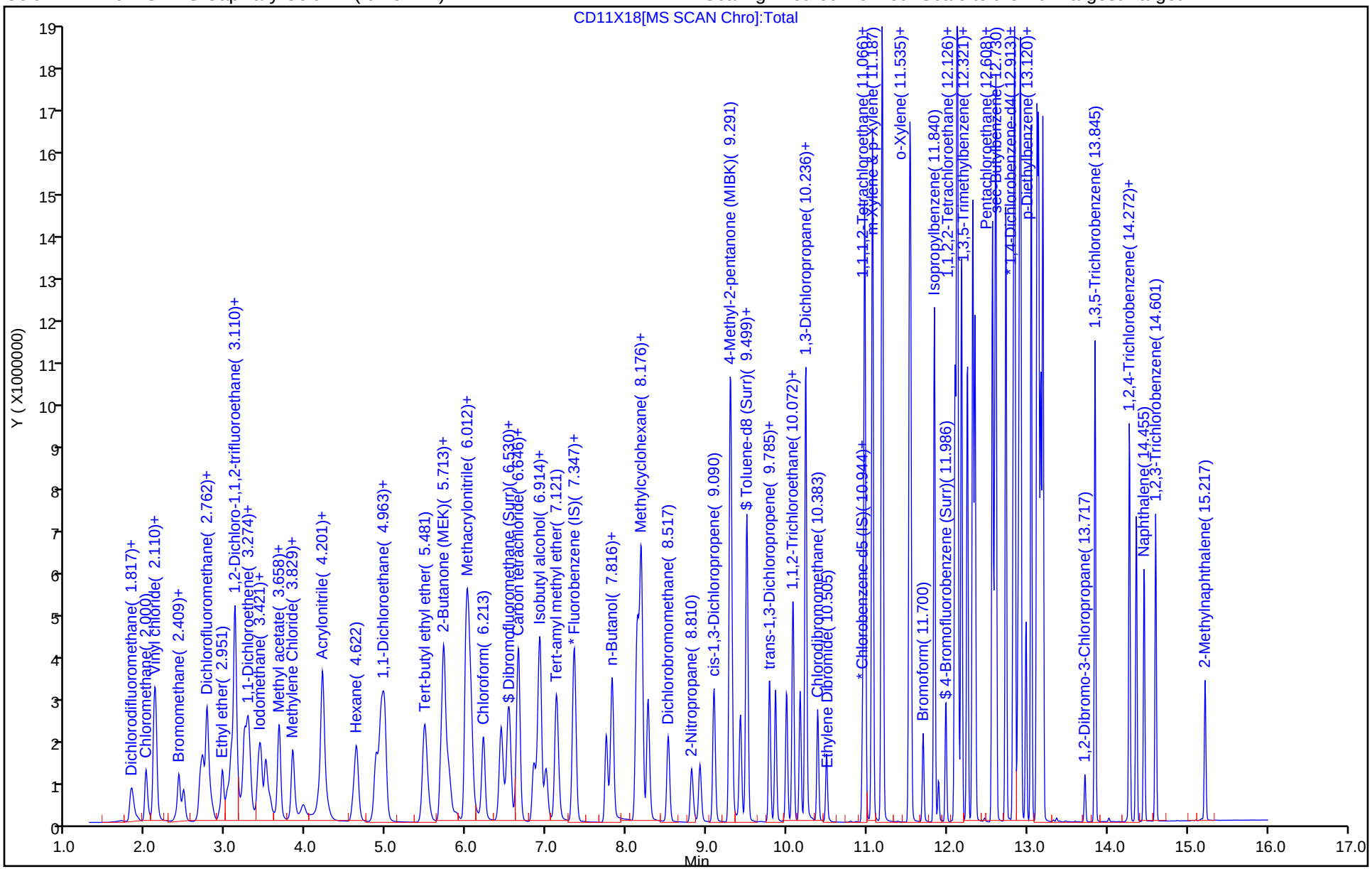
Report Date: 14-Dec-2023 10:50:38 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Injection Date:	11-Dec-2023 23:41:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	IC std7 25			Worklist Smp#:	19
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

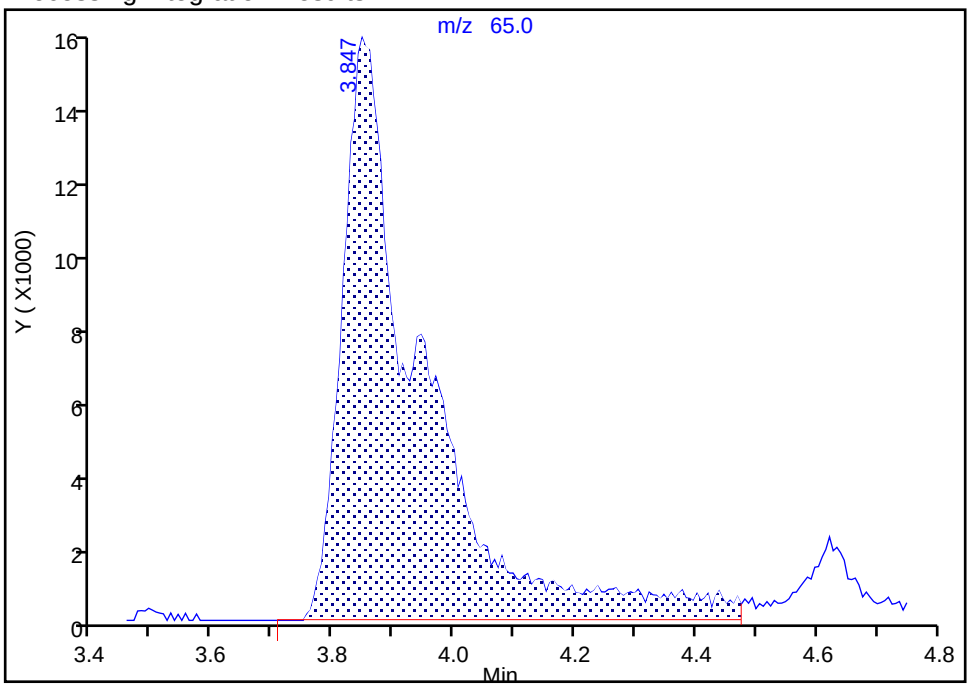
Data File:	\\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D				
Injection Date:	11-Dec-2023 23:41:30	Instrument ID:	10193		
Lims ID:	IC std7 25				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 31 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

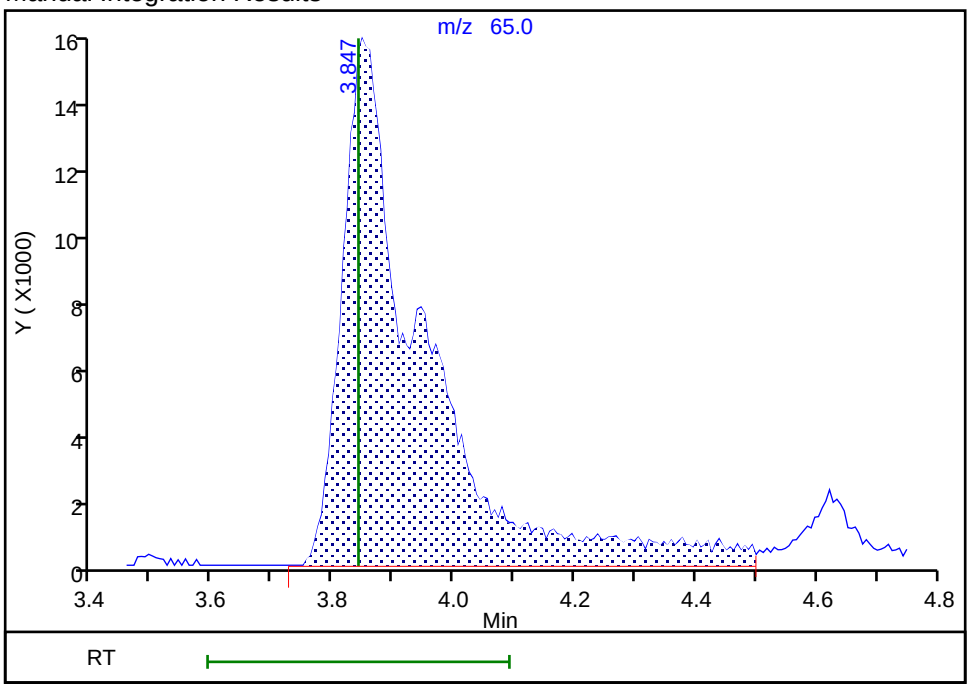
Processing Integration Results

RT: 3.85
Area: 144238
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.85
Area: 144957
Amount: 50.000000
Amount Units: ug/l



Reviewer: UKEK, 14-Dec-2023 10:35:59 -05:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

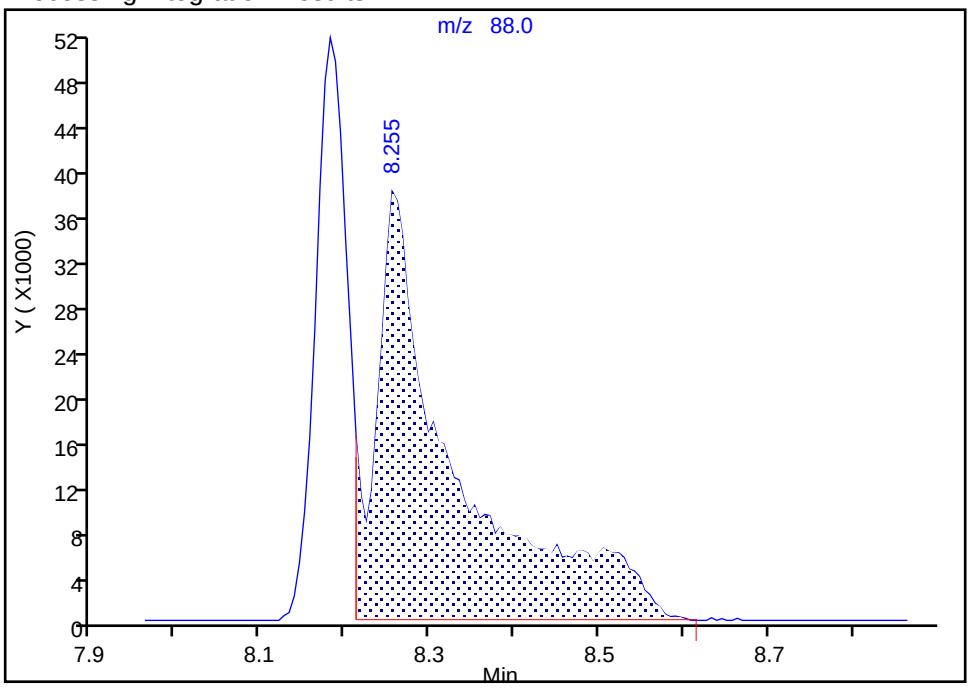
Data File:	\\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D				
Injection Date:	11-Dec-2023 23:41:30	Instrument ID:	10193		
Lims ID:	IC std7 25				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

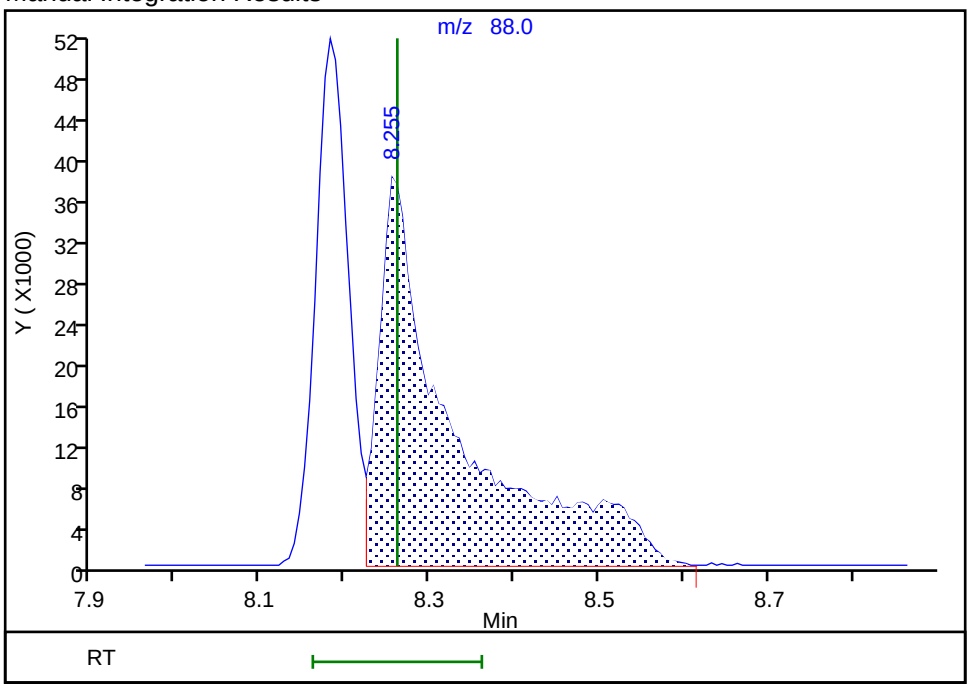
Processing Integration Results

RT: 8.26
Area: 246699
Amount: 1178.0025
Amount Units: ug/l



Manual Integration Results

RT: 8.26
Area: 236766
Amount: 1165.3718
Amount Units: ug/l



Reviewer: DVW2, 12-Dec-2023 11:10:53 -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

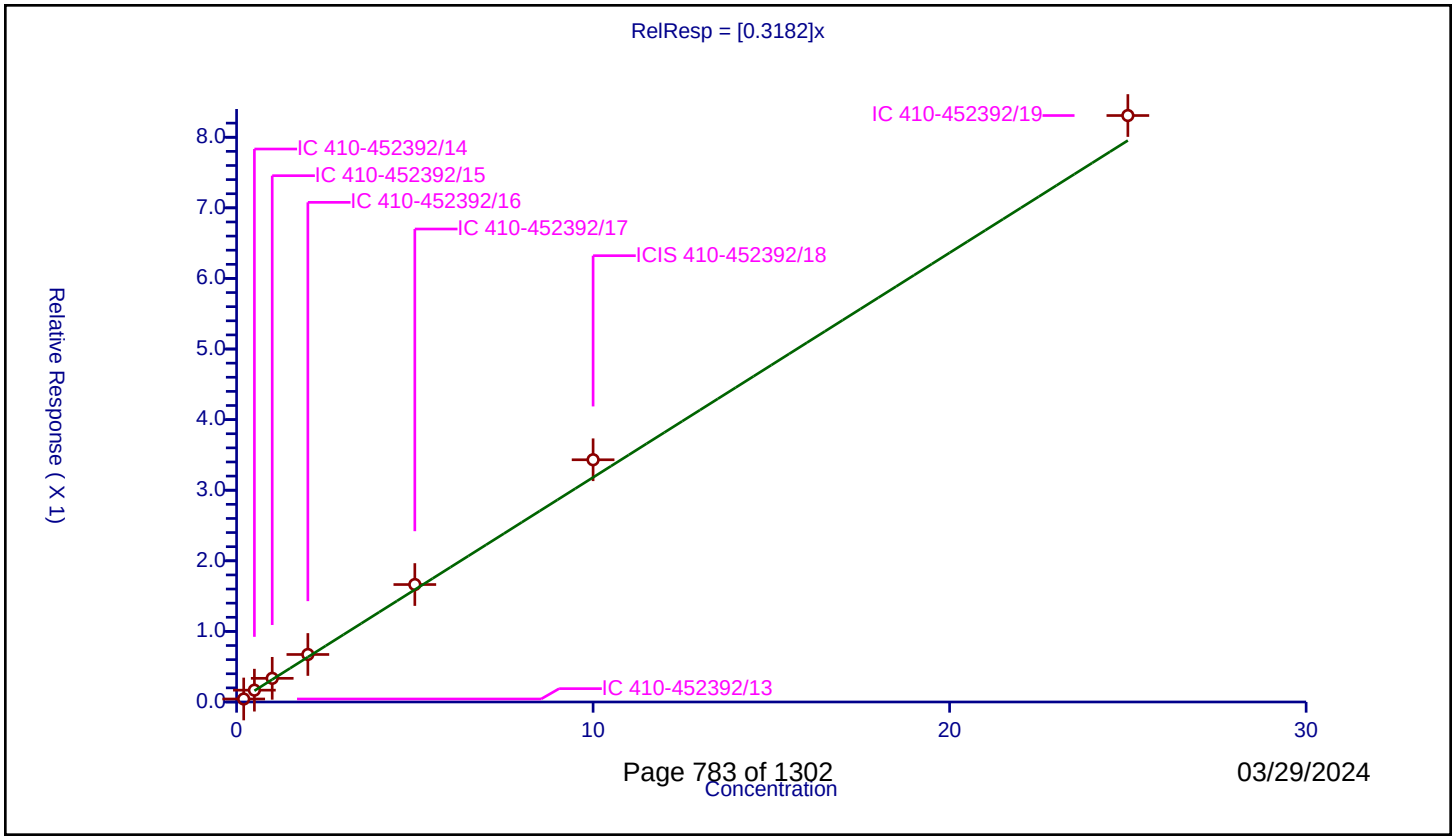
Curve Coefficients

Intercept:	0
Slope:	0.3182

Error Coefficients

Standard Error:	791000
Relative Standard Error:	14.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.042493	10.0	2047394.0	0.212465	Y
2	IC 410-452392/14	0.5	0.167352	10.0	2025434.0	0.334704	Y
3	IC 410-452392/15	1.0	0.335379	10.0	2044405.0	0.335379	Y
4	IC 410-452392/16	2.0	0.672839	10.0	2031703.0	0.33642	Y
5	IC 410-452392/17	5.0	1.663898	10.0	2042373.0	0.33278	Y
6	ICIS 410-452392/18	10.0	3.43148	10.0	2054434.0	0.343148	Y
7	IC 410-452392/19	25.0	8.307765	10.0	2125786.0	0.332311	Y



Calibration / Chloromethane

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

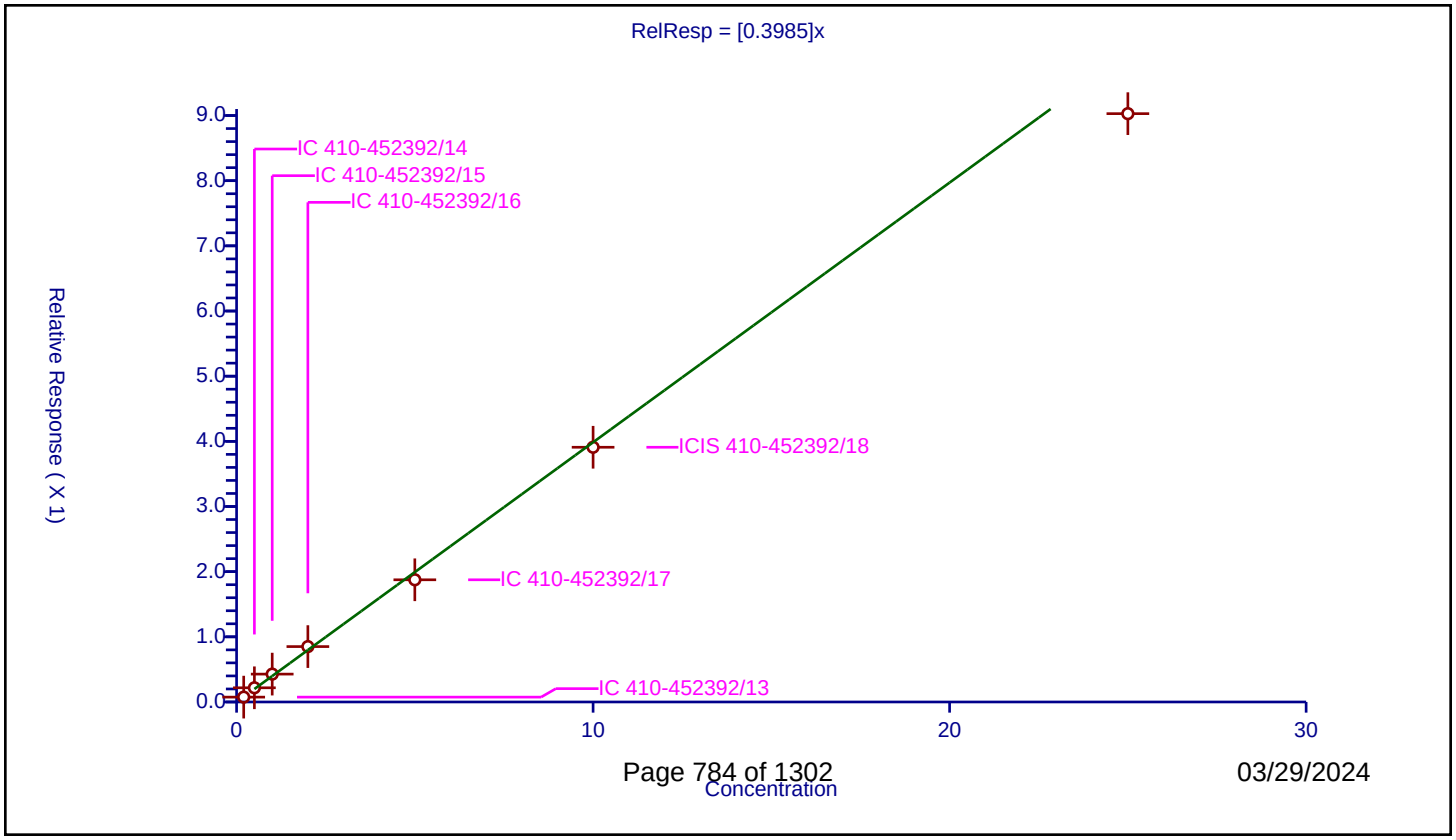
Curve Coefficients

Intercept:	0
Slope:	0.3985

Error Coefficients

Standard Error:	867000
Relative Standard Error:	7.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.074851	10.0	2047394.0	0.374256	Y
2	IC 410-452392/14	0.5	0.217795	10.0	2025434.0	0.435591	Y
3	IC 410-452392/15	1.0	0.42766	10.0	2044405.0	0.42766	Y
4	IC 410-452392/16	2.0	0.850011	10.0	2031703.0	0.425006	Y
5	IC 410-452392/17	5.0	1.87548	10.0	2042373.0	0.375096	Y
6	ICIS 410-452392/18	10.0	3.909189	10.0	2054434.0	0.390919	Y
7	IC 410-452392/19	25.0	9.02867	10.0	2125786.0	0.361147	Y



Calibration / Vinyl chloride

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

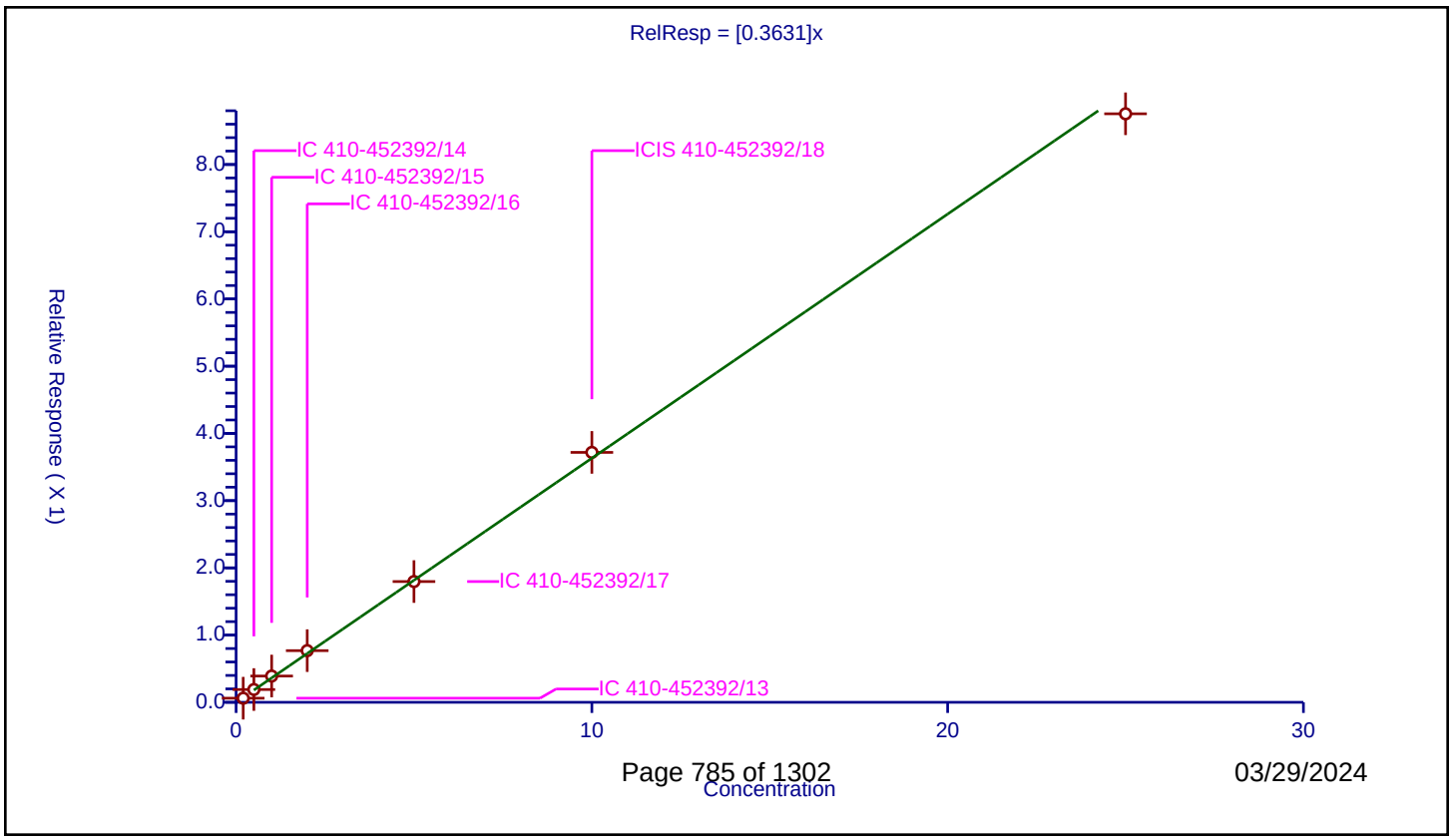
Curve Coefficients

Intercept:	0
Slope:	0.3631

Error Coefficients

Standard Error:	838000
Relative Standard Error:	8.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.060965	10.0	2047394.0	0.304827	Y
2	IC 410-452392/14	0.5	0.19029	10.0	2025434.0	0.38058	Y
3	IC 410-452392/15	1.0	0.390857	10.0	2044405.0	0.390857	Y
4	IC 410-452392/16	2.0	0.768917	10.0	2031703.0	0.384458	Y
5	IC 410-452392/17	5.0	1.796523	10.0	2042373.0	0.359305	Y
6	ICIS 410-452392/18	10.0	3.717657	10.0	2054434.0	0.371766	Y
7	IC 410-452392/19	25.0	8.754926	10.0	2125786.0	0.350197	Y



Calibration / Butadiene

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

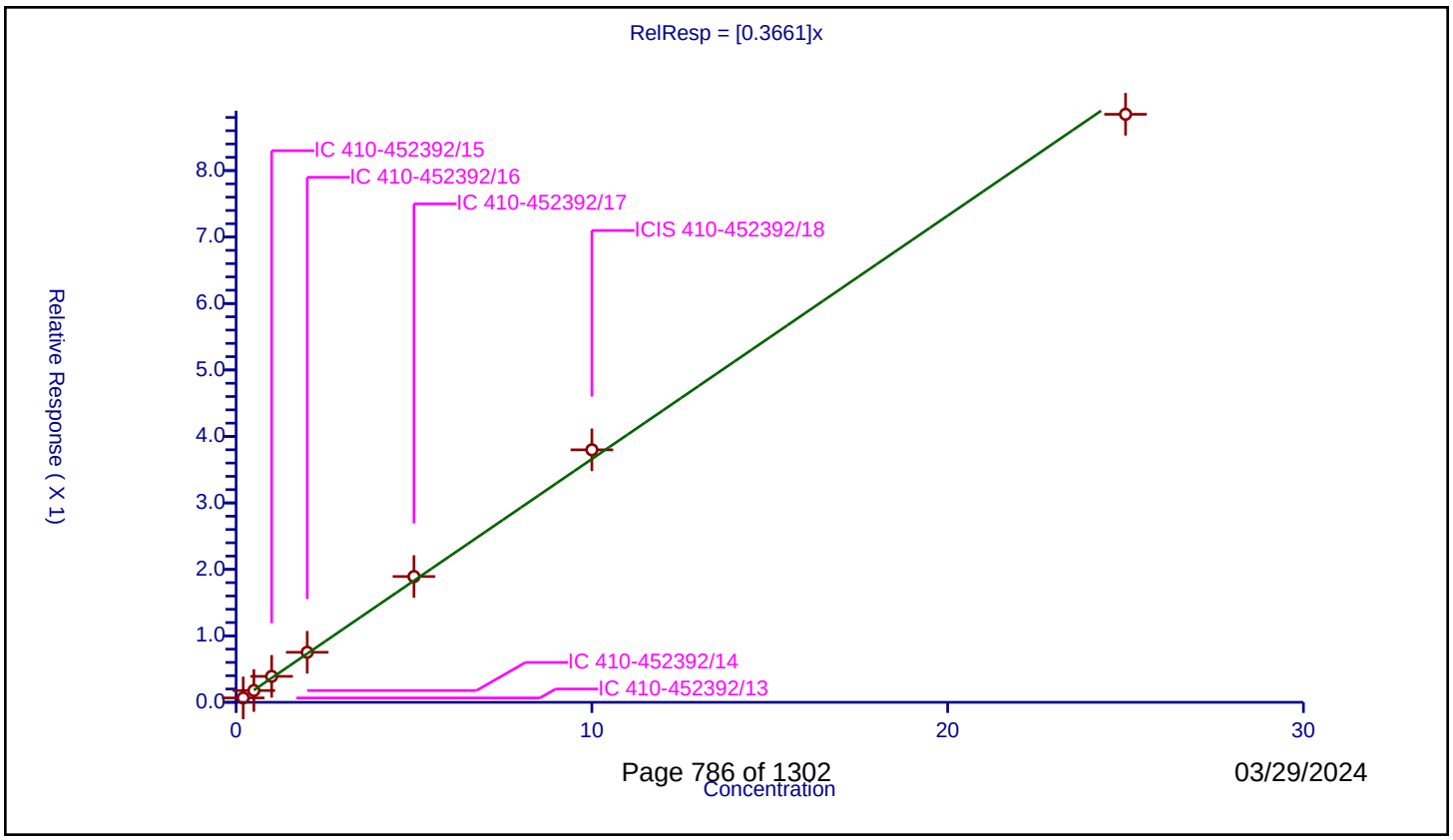
Curve Coefficients

Intercept:	0
Slope:	0.3661

Error Coefficients

Standard Error:	849000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.065674	10.0	2047394.0	0.328369	Y
2	IC 410-452392/14	0.5	0.177369	10.0	2025434.0	0.354739	Y
3	IC 410-452392/15	1.0	0.390564	10.0	2044405.0	0.390564	Y
4	IC 410-452392/16	2.0	0.752851	10.0	2031703.0	0.376426	Y
5	IC 410-452392/17	5.0	1.892362	10.0	2042373.0	0.378472	Y
6	ICIS 410-452392/18	10.0	3.798973	10.0	2054434.0	0.379897	Y
7	IC 410-452392/19	25.0	8.847179	10.0	2125786.0	0.353887	Y



Calibration / Bromomethane

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

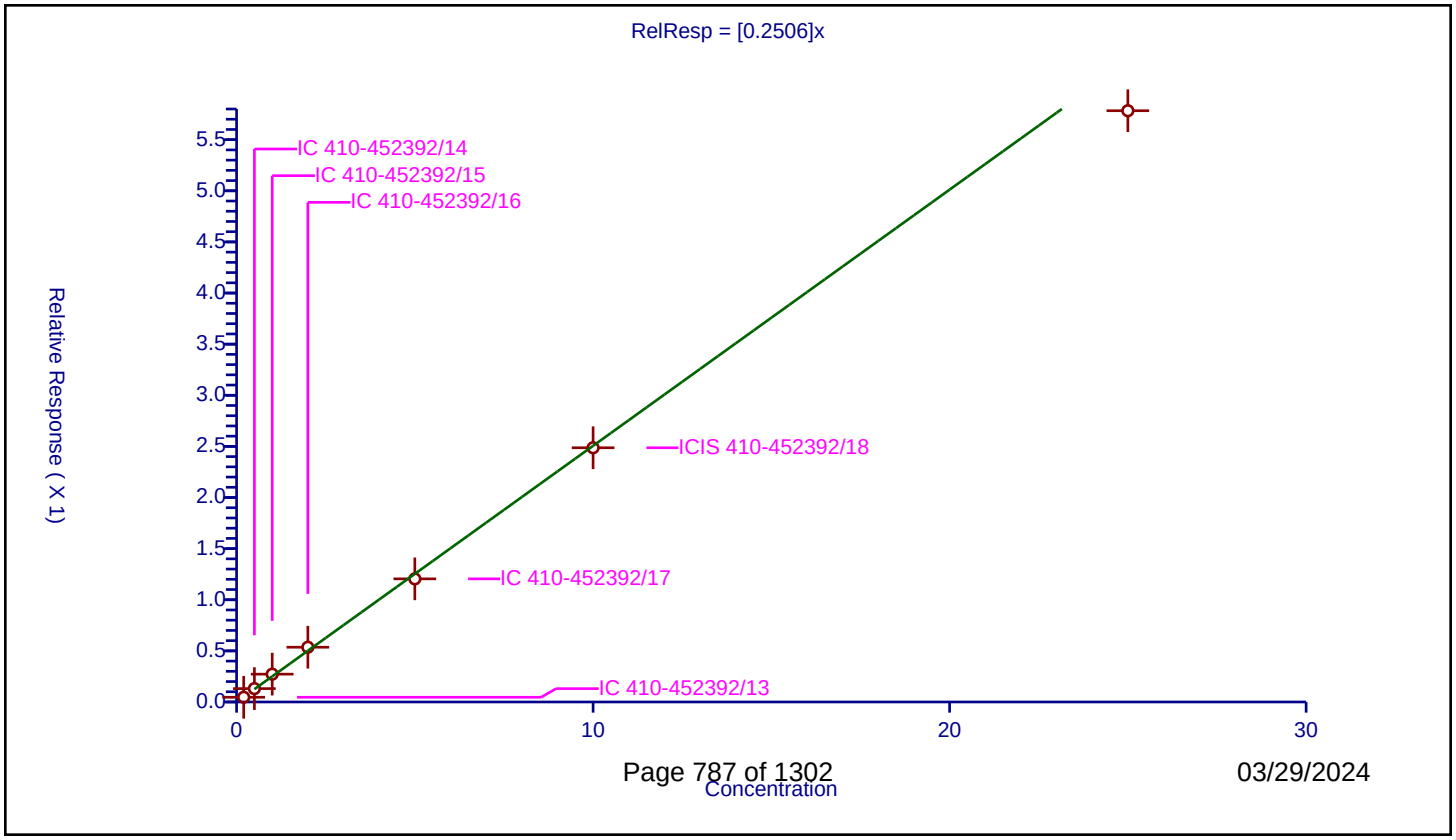
Curve Coefficients

Intercept:	0
Slope:	0.2506

Error Coefficients

Standard Error:	555000
Relative Standard Error:	6.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.046273	10.0	2047394.0	0.231367	Y
2	IC 410-452392/14	0.5	0.130821	10.0	2025434.0	0.261643	Y
3	IC 410-452392/15	1.0	0.272285	10.0	2044405.0	0.272285	Y
4	IC 410-452392/16	2.0	0.535521	10.0	2031703.0	0.267761	Y
5	IC 410-452392/17	5.0	1.204329	10.0	2042373.0	0.240866	Y
6	ICIS 410-452392/18	10.0	2.486549	10.0	2054434.0	0.248655	Y
7	IC 410-452392/19	25.0	5.783287	10.0	2125786.0	0.231331	Y



Calibration / Chloroethane

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

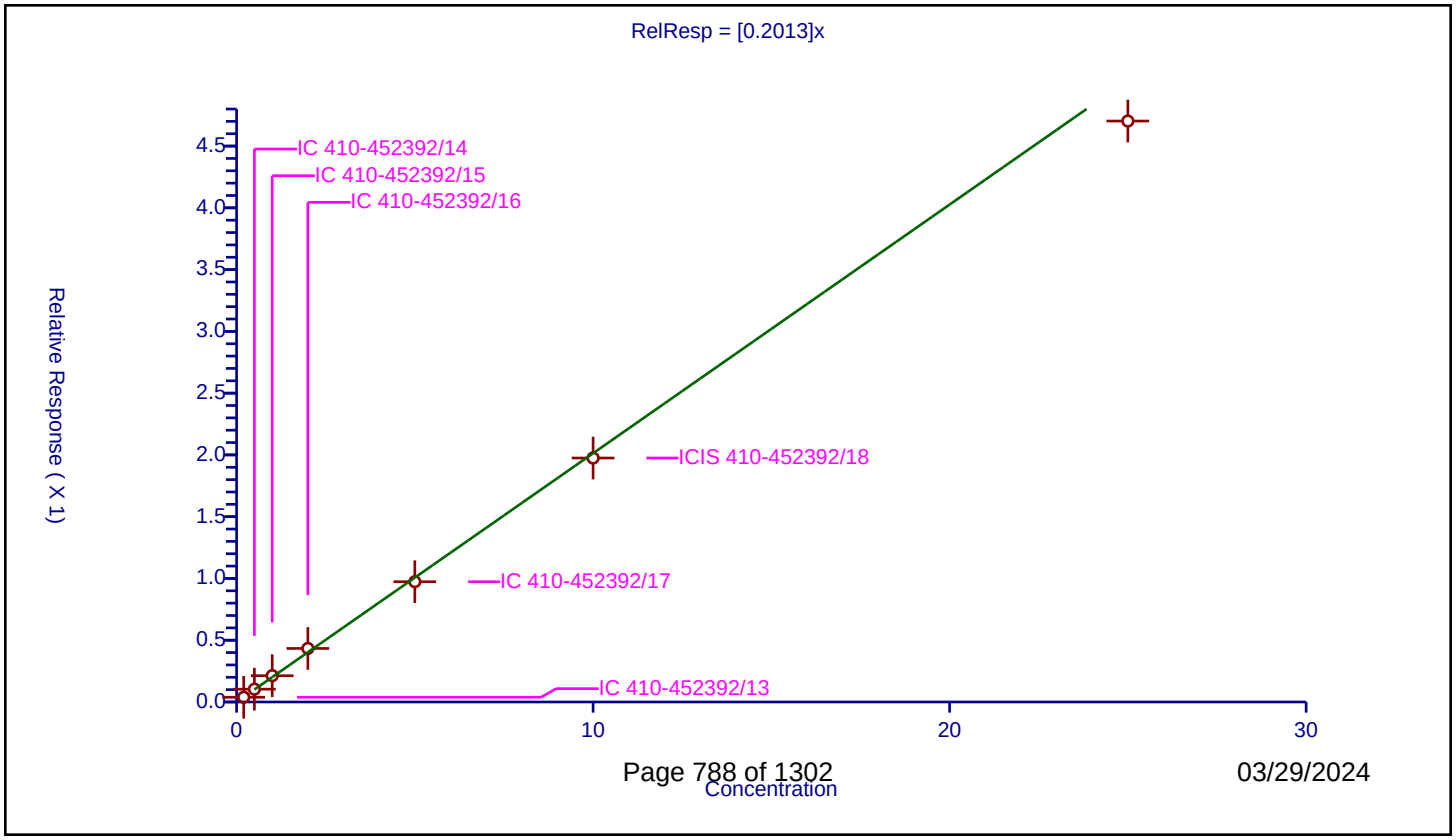
Curve Coefficients

Intercept:	0
Slope:	0.2013

Error Coefficients

Standard Error:	450000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.038385	10.0	2047394.0	0.191927	Y
2	IC 410-452392/14	0.5	0.103652	10.0	2025434.0	0.207304	Y
3	IC 410-452392/15	1.0	0.213016	10.0	2044405.0	0.213016	Y
4	IC 410-452392/16	2.0	0.433351	10.0	2031703.0	0.216675	Y
5	IC 410-452392/17	5.0	0.973715	10.0	2042373.0	0.194743	Y
6	ICIS 410-452392/18	10.0	1.974773	10.0	2054434.0	0.197477	Y
7	IC 410-452392/19	25.0	4.702698	10.0	2125786.0	0.188108	Y



Calibration / Dichlorofluoromethane

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

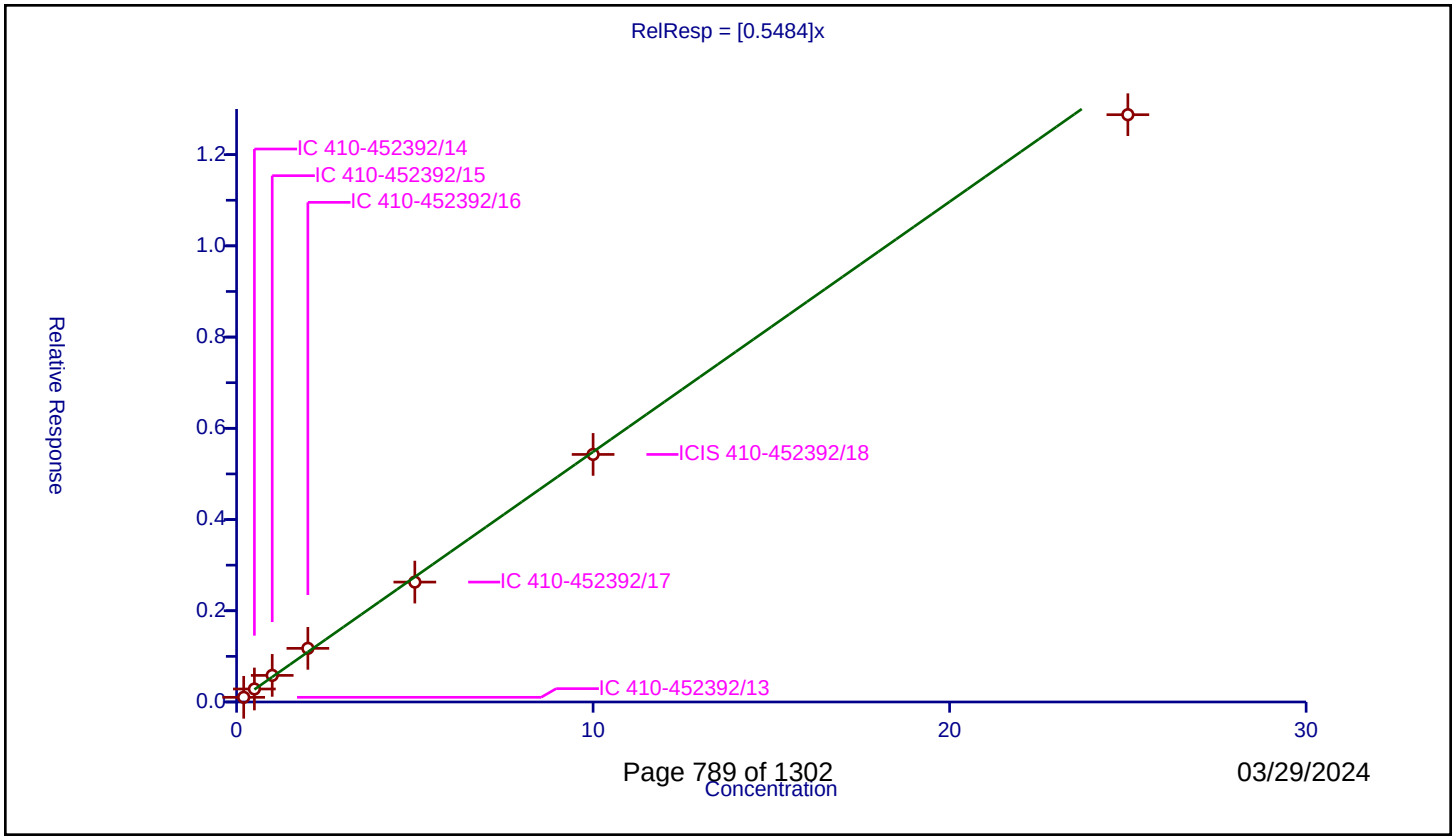
Curve Coefficients

Intercept:	0
Slope:	0.5484

Error Coefficients

Standard Error:	1230000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.102779	10.0	2047394.0	0.513897	Y
2	IC 410-452392/14	0.5	0.284897	10.0	2025434.0	0.569794	Y
3	IC 410-452392/15	1.0	0.58325	10.0	2044405.0	0.58325	Y
4	IC 410-452392/16	2.0	1.176004	10.0	2031703.0	0.588002	Y
5	IC 410-452392/17	5.0	2.628903	10.0	2042373.0	0.525781	Y
6	ICIS 410-452392/18	10.0	5.427519	10.0	2054434.0	0.542752	Y
7	IC 410-452392/19	25.0	12.875623	10.0	2125786.0	0.515025	Y



Calibration / Trichlorofluoromethane

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

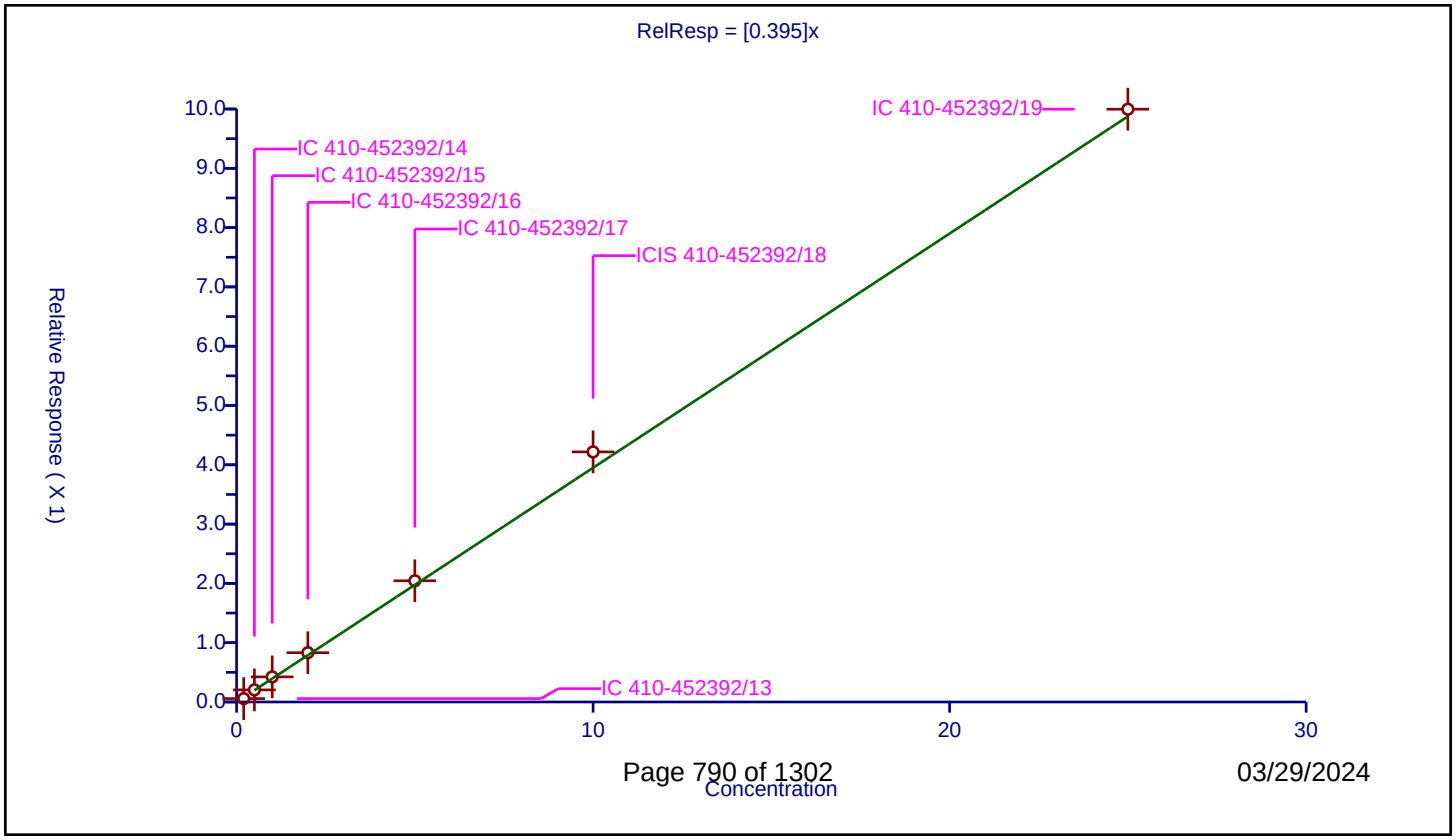
Curve Coefficients

Intercept:	0
Slope:	0.395

Error Coefficients

Standard Error:	956000
Relative Standard Error:	12.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.057449	10.0	2047394.0	0.287243	Y
2	IC 410-452392/14	0.5	0.204016	10.0	2025434.0	0.408031	Y
3	IC 410-452392/15	1.0	0.423556	10.0	2044405.0	0.423556	Y
4	IC 410-452392/16	2.0	0.831342	10.0	2031703.0	0.415671	Y
5	IC 410-452392/17	5.0	2.04399	10.0	2042373.0	0.408798	Y
6	ICIS 410-452392/18	10.0	4.217809	10.0	2054434.0	0.421781	Y
7	IC 410-452392/19	25.0	9.996985	10.0	2125786.0	0.399879	Y



Calibration / Ethyl ether

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

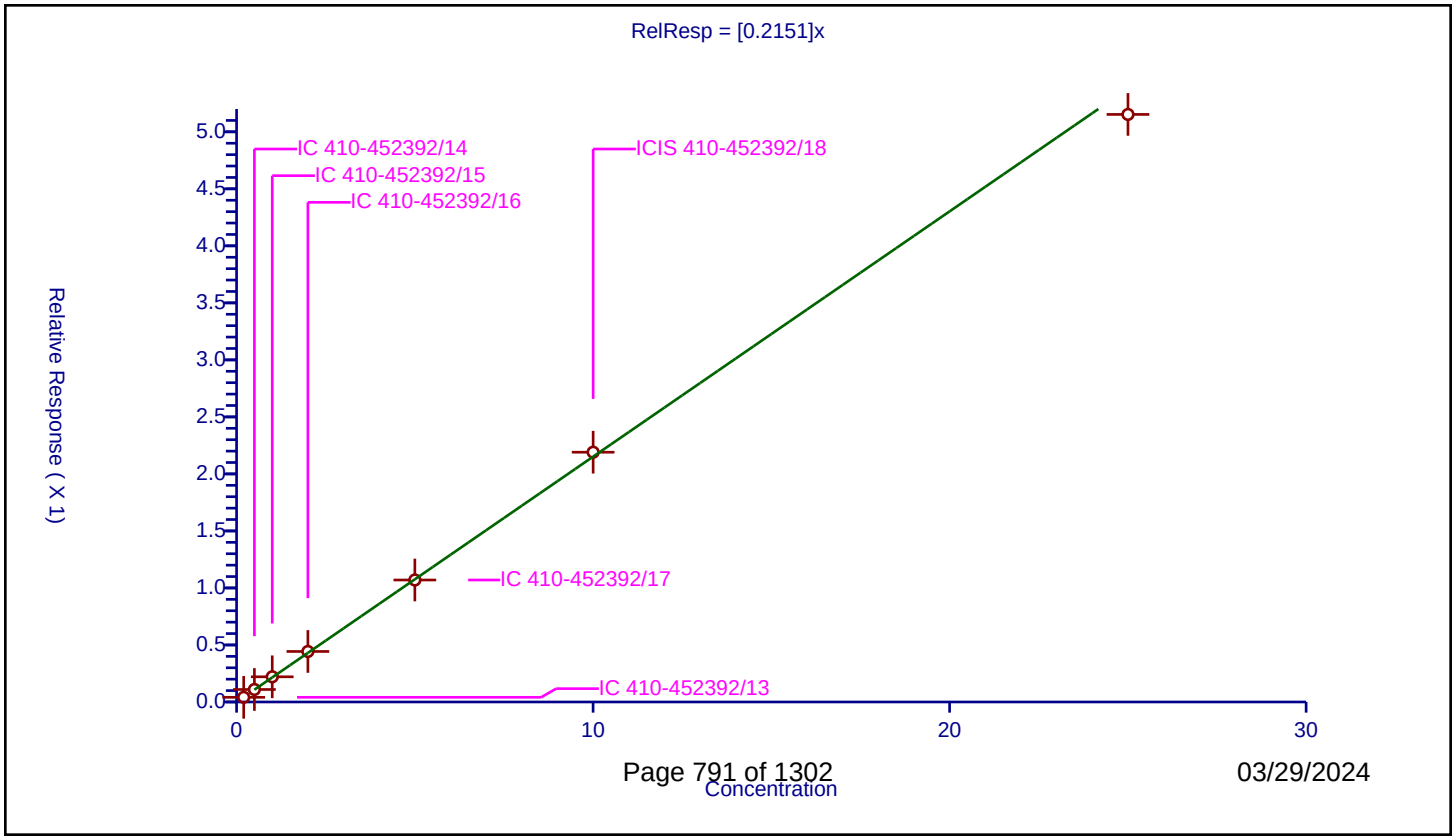
Curve Coefficients

Intercept:	0
Slope:	0.2151

Error Coefficients

Standard Error:	493000
Relative Standard Error:	3.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.200028	0.041077	10.0	2047394.0	0.205355	Y
2	IC 410-452392/14	0.500069	0.109586	10.0	2025434.0	0.219142	Y
3	IC 410-452392/15	1.000139	0.220935	10.0	2044405.0	0.220904	Y
4	IC 410-452392/16	2.000277	0.442993	10.0	2031703.0	0.221466	Y
5	IC 410-452392/17	5.000693	1.069677	10.0	2042373.0	0.213906	Y
6	ICIS 410-452392/18	10.001386	2.190253	10.0	2054434.0	0.218995	Y
7	IC 410-452392/19	25.003465	5.152504	10.0	2125786.0	0.206072	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

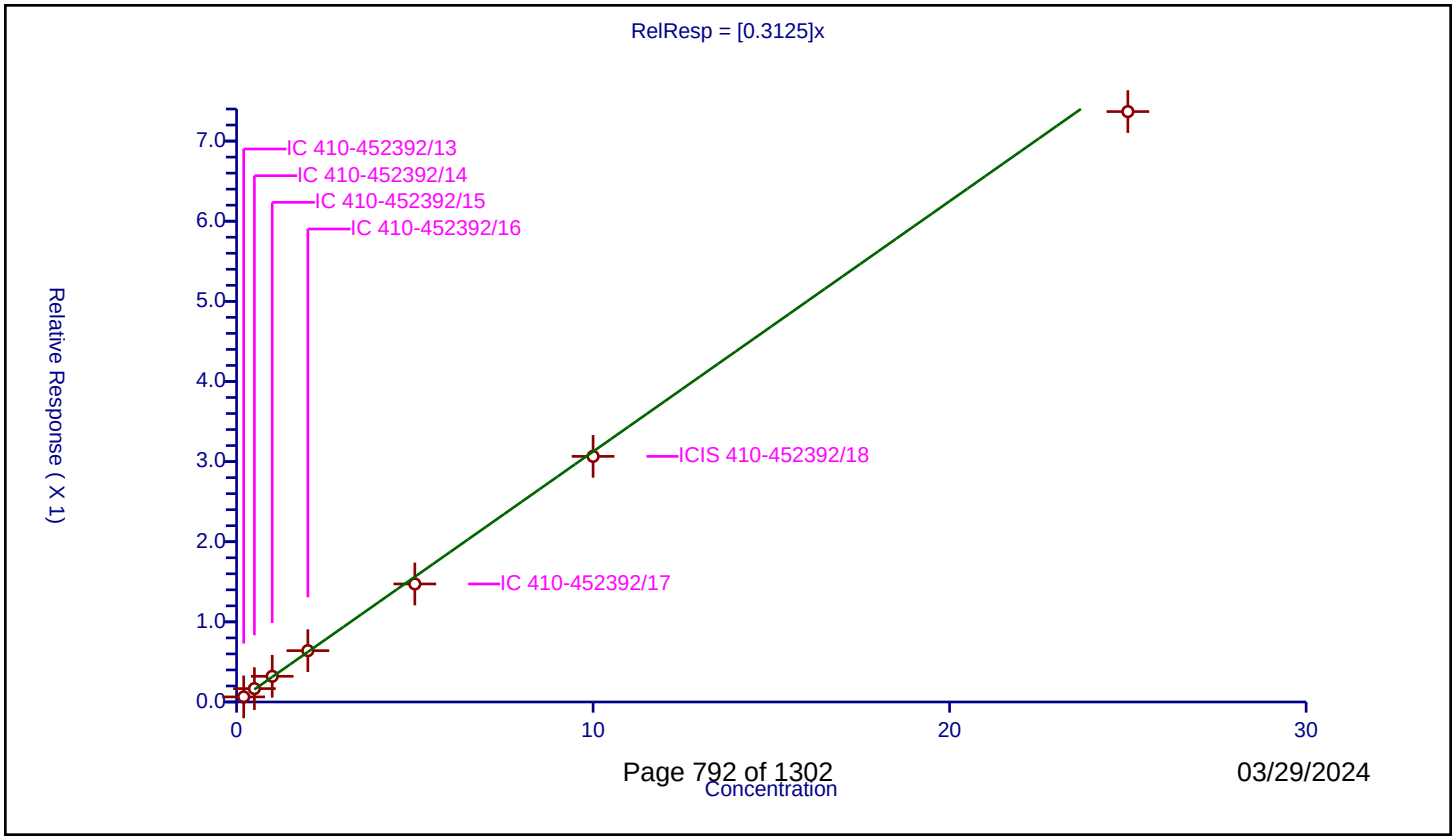
Curve Coefficients

Intercept:	0
Slope:	0.3125

Error Coefficients

Standard Error:	703000
Relative Standard Error:	4.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.063427	10.0	2047394.0	0.317135	Y
2	IC 410-452392/14	0.5	0.166735	10.0	2025434.0	0.333469	Y
3	IC 410-452392/15	1.0	0.320543	10.0	2044405.0	0.320543	Y
4	IC 410-452392/16	2.0	0.640699	10.0	2031703.0	0.320349	Y
5	IC 410-452392/17	5.0	1.472958	10.0	2042373.0	0.294592	Y
6	ICIS 410-452392/18	10.0	3.065068	10.0	2054434.0	0.306507	Y
7	IC 410-452392/19	25.0	7.368136	10.0	2125786.0	0.294725	Y



Calibration / Acrolein

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

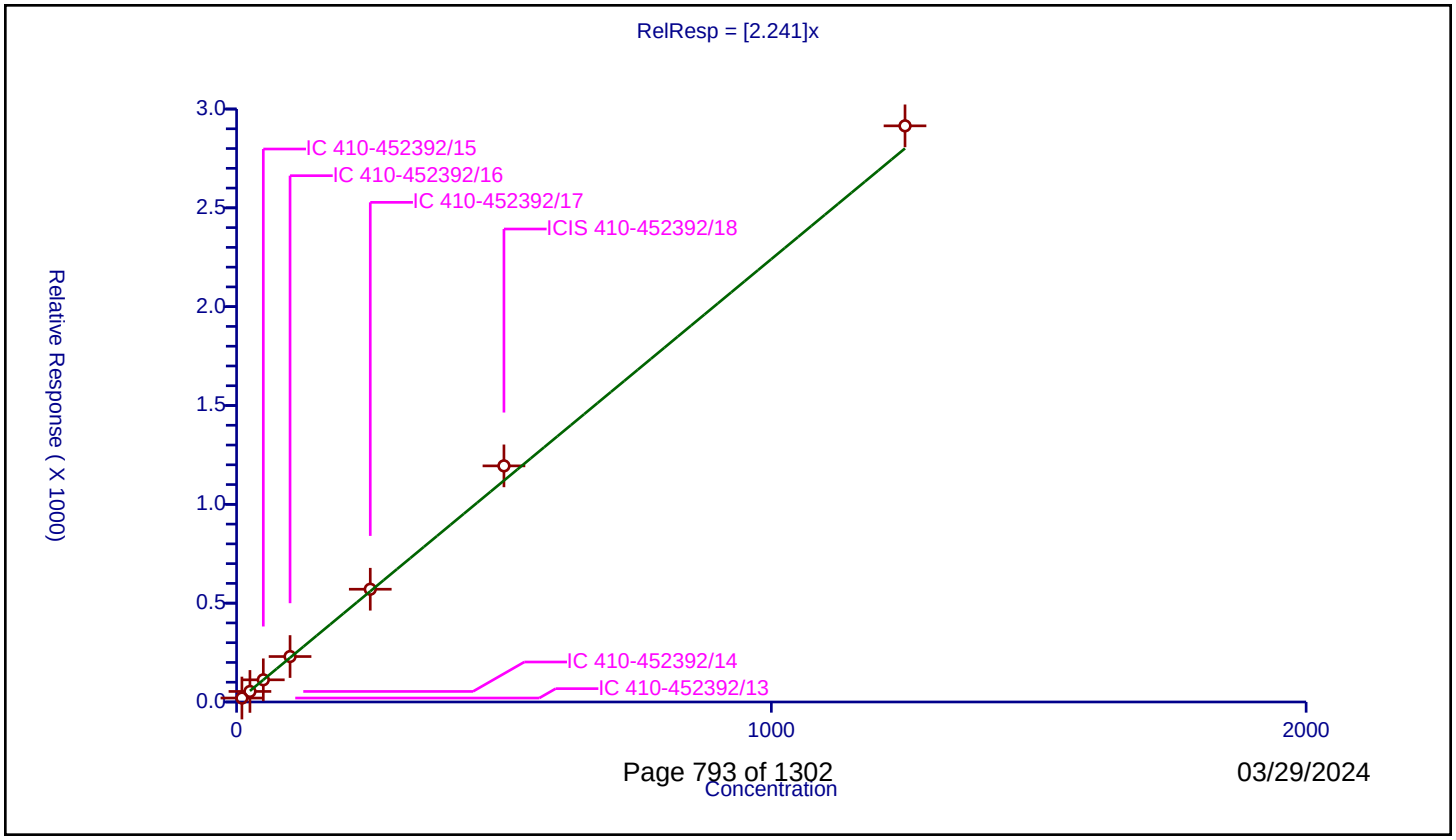
Curve Coefficients

Intercept:	0
Slope:	2.241

Error Coefficients

Standard Error:	3780000
Relative Standard Error:	5.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	9.999429	20.017129	50.0	144204.0	2.001827	Y
2	IC 410-452392/14	24.998572	53.415703	50.0	141435.0	2.13675	Y
3	IC 410-452392/15	49.997145	112.137583	50.0	137066.0	2.24288	Y
4	IC 410-452392/16	99.99429	229.969858	50.0	135361.0	2.29983	Y
5	IC 410-452392/17	249.985725	570.544659	50.0	137958.0	2.282309	Y
6	ICIS 410-452392/18	499.97145	1194.577589	50.0	140657.0	2.389292	Y
7	IC 410-452392/19	1249.928624	2914.845782	50.0	144957.0	2.33201	Y



Calibration / 1,1-Dichloroethene

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

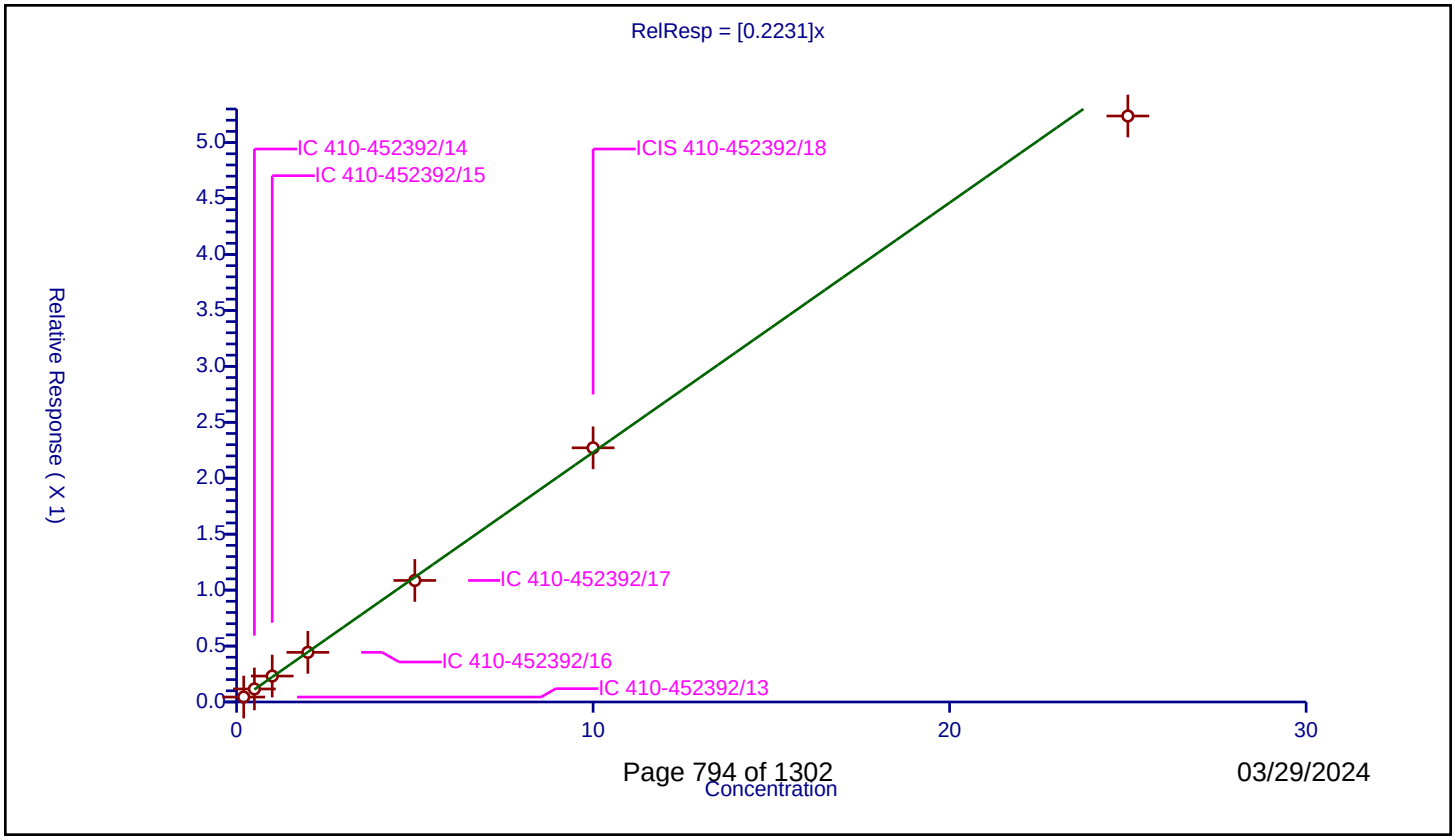
Curve Coefficients

Intercept:	0
Slope:	0.2231

Error Coefficients

Standard Error:	503000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.044256	10.0	2047394.0	0.221281	Y
2	IC 410-452392/14	0.5	0.116518	10.0	2025434.0	0.233036	Y
3	IC 410-452392/15	1.0	0.231852	10.0	2044405.0	0.231852	Y
4	IC 410-452392/16	2.0	0.443751	10.0	2031703.0	0.221875	Y
5	IC 410-452392/17	5.0	1.086163	10.0	2042373.0	0.217233	Y
6	ICIS 410-452392/18	10.0	2.271808	10.0	2054434.0	0.227181	Y
7	IC 410-452392/19	25.0	5.237507	10.0	2125786.0	0.2095	Y



Calibration / Acetone

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

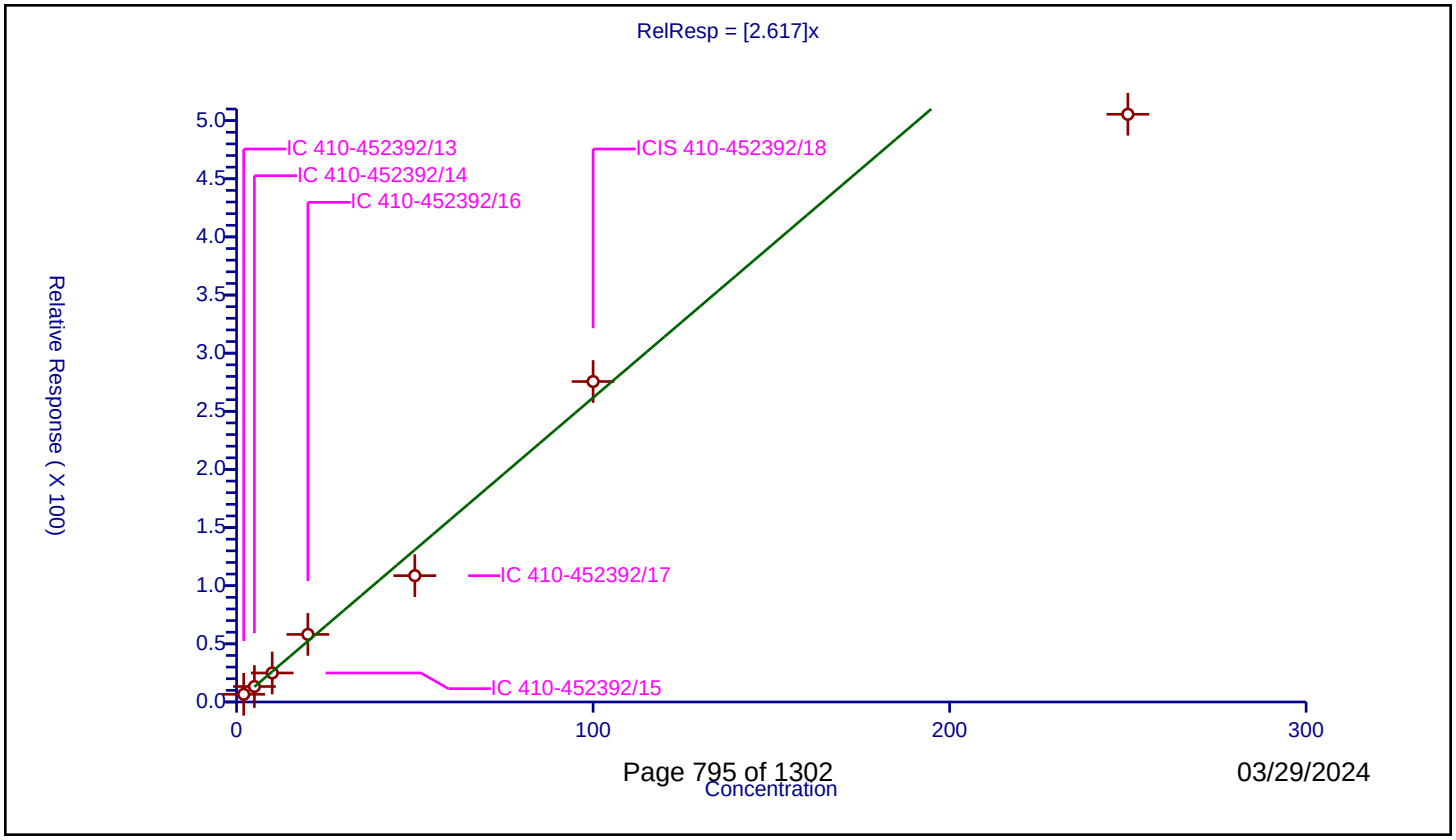
Curve Coefficients

Intercept:	0
Slope:	2.617

Error Coefficients

Standard Error:	691000
Relative Standard Error:	16.7
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.956

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	2.0	6.608693	50.0	144204.0	3.304347	Y
2	IC 410-452392/14	5.0	13.306466	50.0	141435.0	2.661293	Y
3	IC 410-452392/15	10.0	24.975559	50.0	137066.0	2.497556	Y
4	IC 410-452392/16	20.0	58.140085	50.0	135361.0	2.907004	Y
5	IC 410-452392/17	50.0	108.659157	50.0	137958.0	2.173183	Y
6	ICIS 410-452392/18	100.0	275.620837	50.0	140657.0	2.756208	Y
7	IC 410-452392/19	250.0	505.480591	50.0	144957.0	2.021922	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

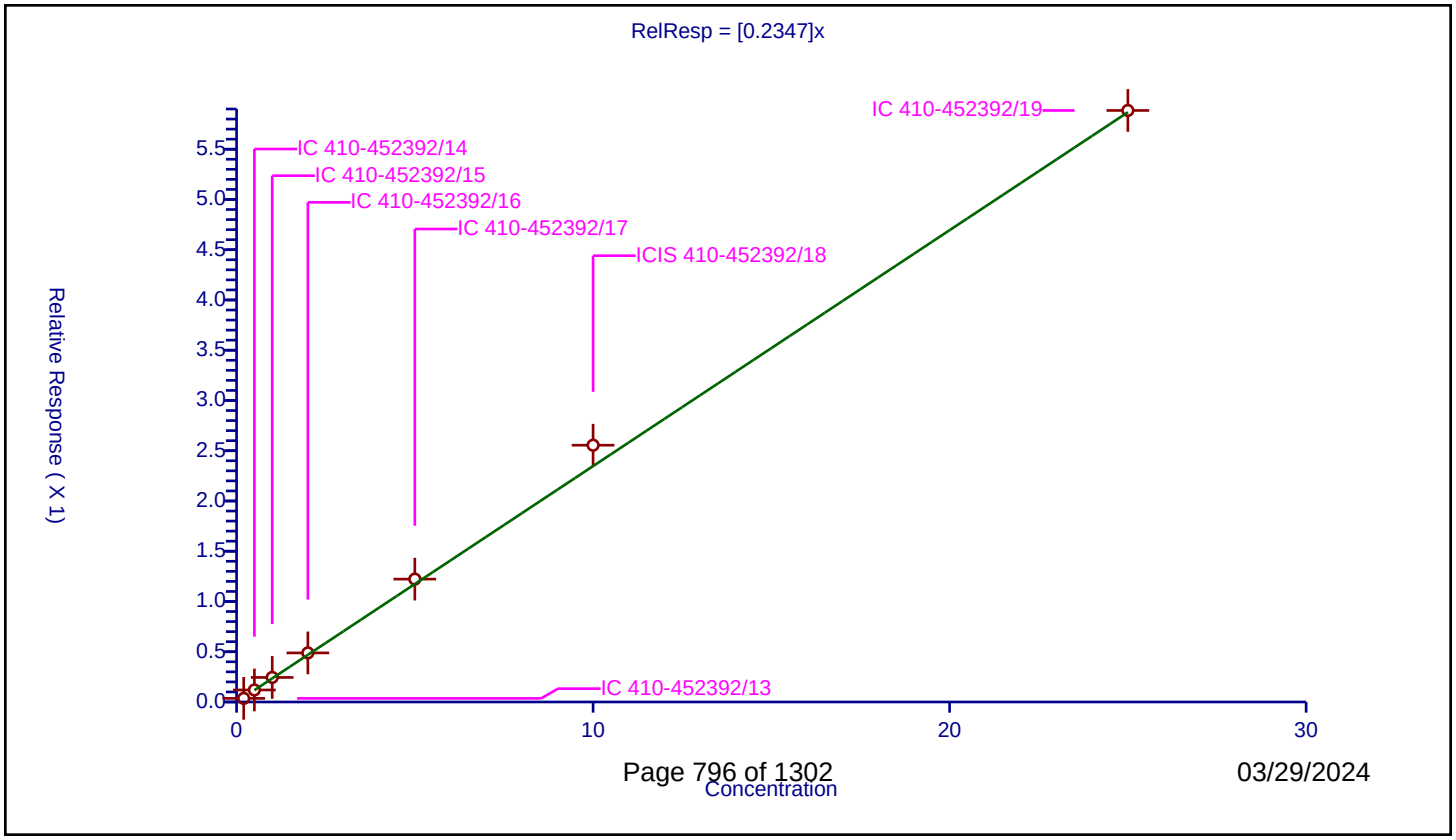
Curve Coefficients

Intercept:	0
Slope:	0.2347

Error Coefficients

Standard Error:	565000
Relative Standard Error:	10.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.036031	10.0	2047394.0	0.180156	Y
2	IC 410-452392/14	0.5	0.119495	10.0	2025434.0	0.238991	Y
3	IC 410-452392/15	1.0	0.244355	10.0	2044405.0	0.244355	Y
4	IC 410-452392/16	2.0	0.488226	10.0	2031703.0	0.244113	Y
5	IC 410-452392/17	5.0	1.222431	10.0	2042373.0	0.244486	Y
6	ICIS 410-452392/18	10.0	2.554859	10.0	2054434.0	0.255486	Y
7	IC 410-452392/19	25.0	5.885795	10.0	2125786.0	0.235432	Y



Calibration / Iodomethane

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

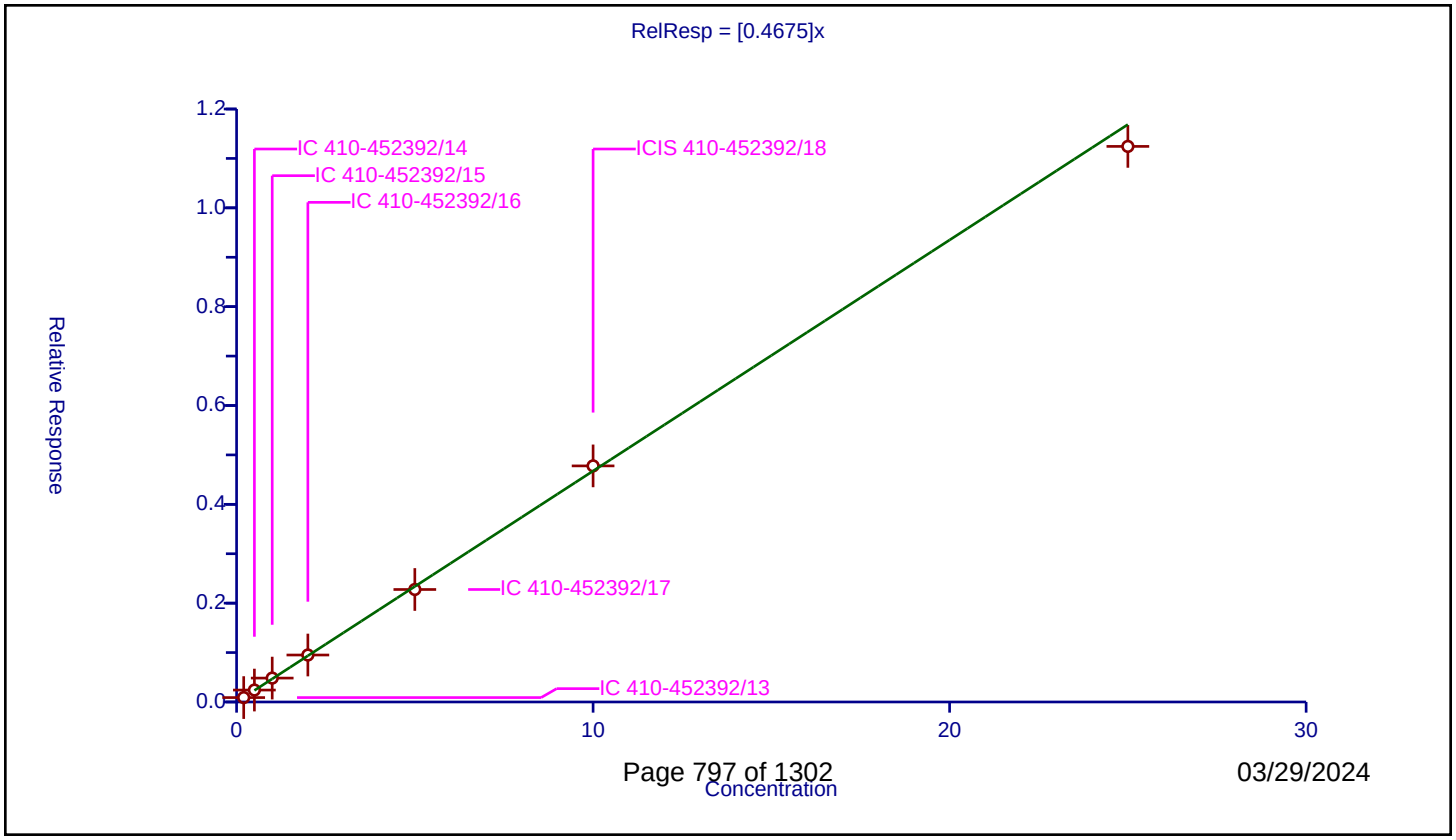
Curve Coefficients

Intercept:	0
Slope:	0.4675

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	3.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.089397	10.0	2047394.0	0.446983	Y
2	IC 410-452392/14	0.5	0.241593	10.0	2025434.0	0.483185	Y
3	IC 410-452392/15	1.0	0.48394	10.0	2044405.0	0.48394	Y
4	IC 410-452392/16	2.0	0.950587	10.0	2031703.0	0.475293	Y
5	IC 410-452392/17	5.0	2.276724	10.0	2042373.0	0.455345	Y
6	ICIS 410-452392/18	10.0	4.777841	10.0	2054434.0	0.477784	Y
7	IC 410-452392/19	25.0	11.24315	10.0	2125786.0	0.449726	Y



Calibration / Ethyl bromide

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

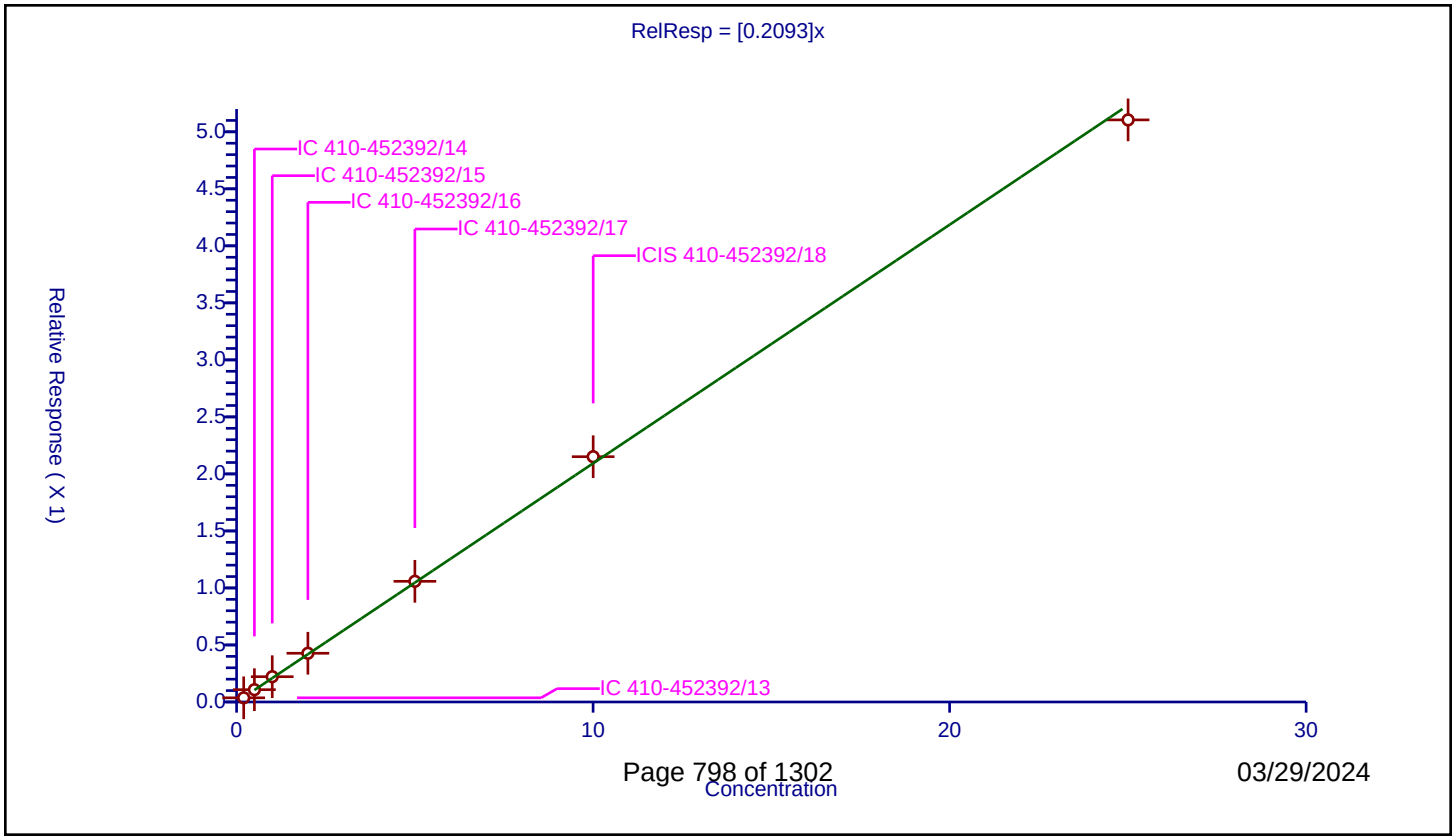
Curve Coefficients

Intercept:	0
Slope:	0.2093

Error Coefficients

Standard Error:	488000
Relative Standard Error:	6.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.200049	0.036588	10.0	2047394.0	0.182895	Y
2	IC 410-452392/14	0.500122	0.107863	10.0	2025434.0	0.215674	Y
3	IC 410-452392/15	1.000244	0.221913	10.0	2044405.0	0.221859	Y
4	IC 410-452392/16	2.000488	0.427287	10.0	2031703.0	0.213591	Y
5	IC 410-452392/17	5.00122	1.058391	10.0	2042373.0	0.211627	Y
6	ICIS 410-452392/18	10.00244	2.150991	10.0	2054434.0	0.215047	Y
7	IC 410-452392/19	25.0061	5.104686	10.0	2125786.0	0.204138	Y



Calibration / Carbon disulfide

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

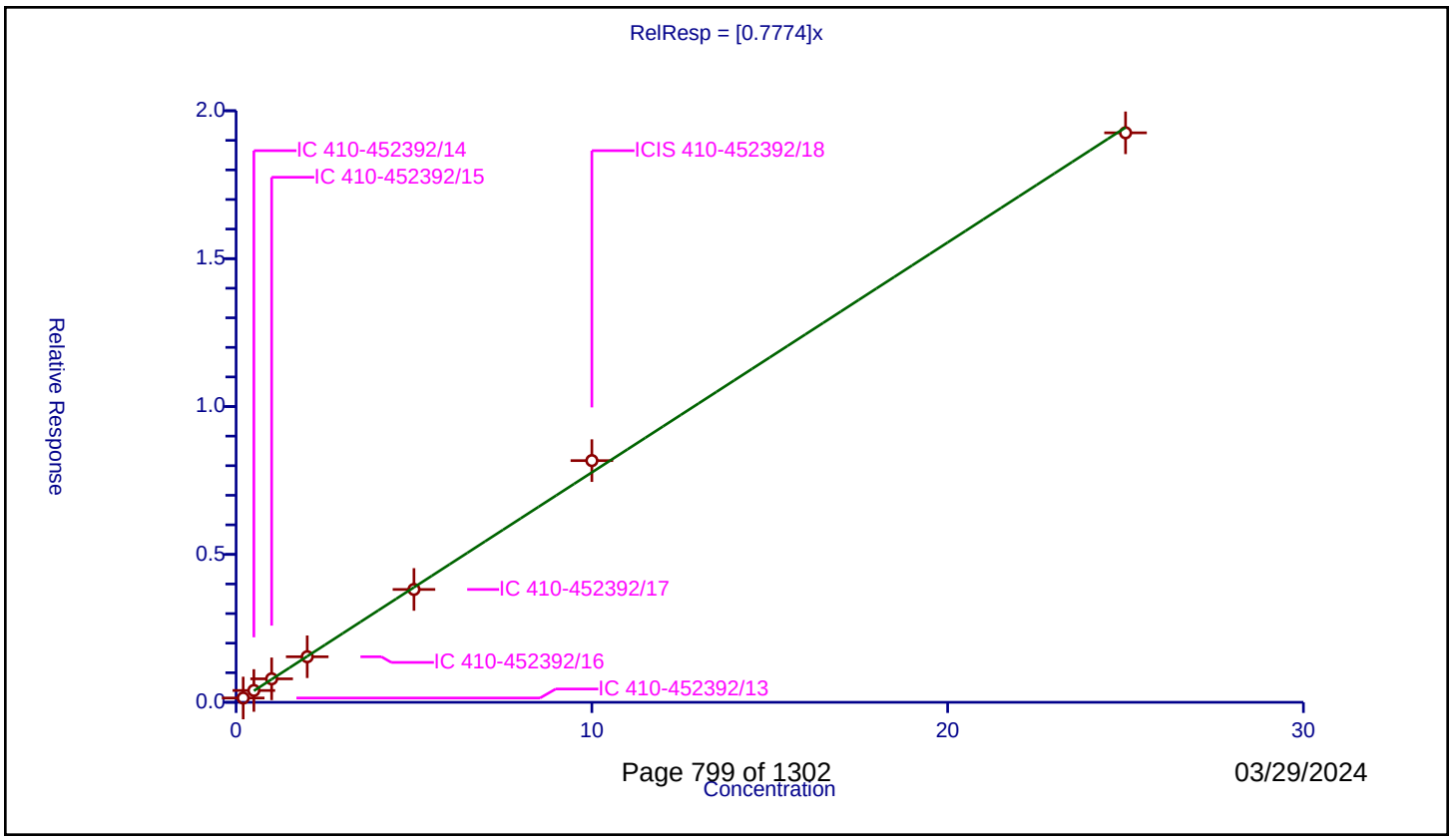
Curve Coefficients

Intercept:	0
Slope:	0.7774

Error Coefficients

Standard Error:	1840000
Relative Standard Error:	3.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.145292	10.0	2047394.0	0.72646	Y
2	IC 410-452392/14	0.5	0.400028	10.0	2025434.0	0.800056	Y
3	IC 410-452392/15	1.0	0.794143	10.0	2044405.0	0.794143	Y
4	IC 410-452392/16	2.0	1.540648	10.0	2031703.0	0.770324	Y
5	IC 410-452392/17	5.0	3.815958	10.0	2042373.0	0.763192	Y
6	ICIS 410-452392/18	10.0	8.171691	10.0	2054434.0	0.817169	Y
7	IC 410-452392/19	25.0	19.25468	10.0	2125786.0	0.770187	Y



Calibration / Methyl acetate

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

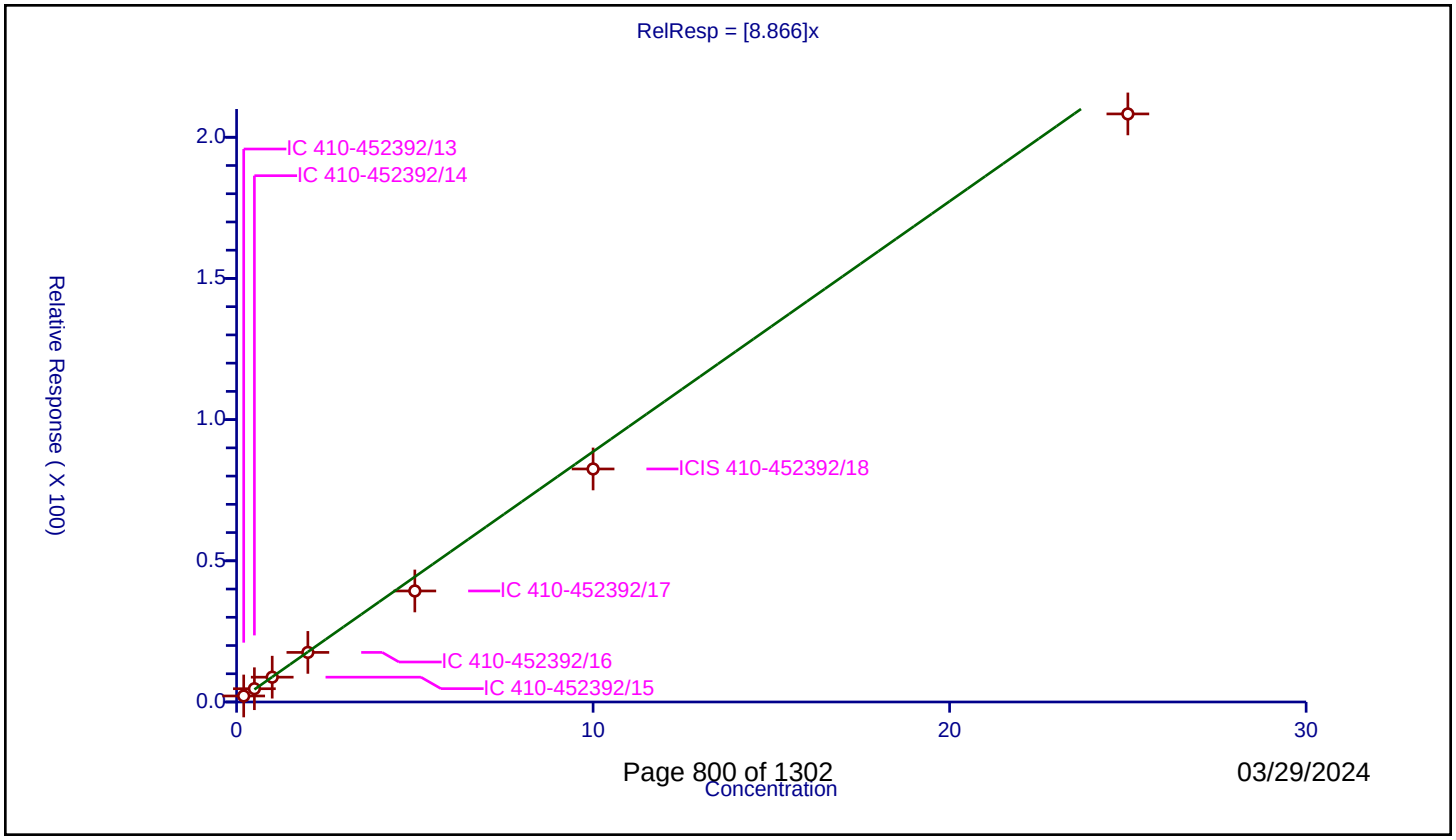
Curve Coefficients

Intercept:	0
Slope:	8.866

Error Coefficients

Standard Error:	269000
Relative Standard Error:	10.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	2.128582	50.0	144204.0	10.642909	Y
2	IC 410-452392/14	0.5	4.701099	50.0	141435.0	9.402199	Y
3	IC 410-452392/15	1.0	8.790656	50.0	137066.0	8.790656	Y
4	IC 410-452392/16	2.0	17.562666	50.0	135361.0	8.781333	Y
5	IC 410-452392/17	5.0	39.315589	50.0	137958.0	7.863118	Y
6	ICIS 410-452392/18	10.0	82.522022	50.0	140657.0	8.252202	Y
7	IC 410-452392/19	25.0	208.264175	50.0	144957.0	8.330567	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

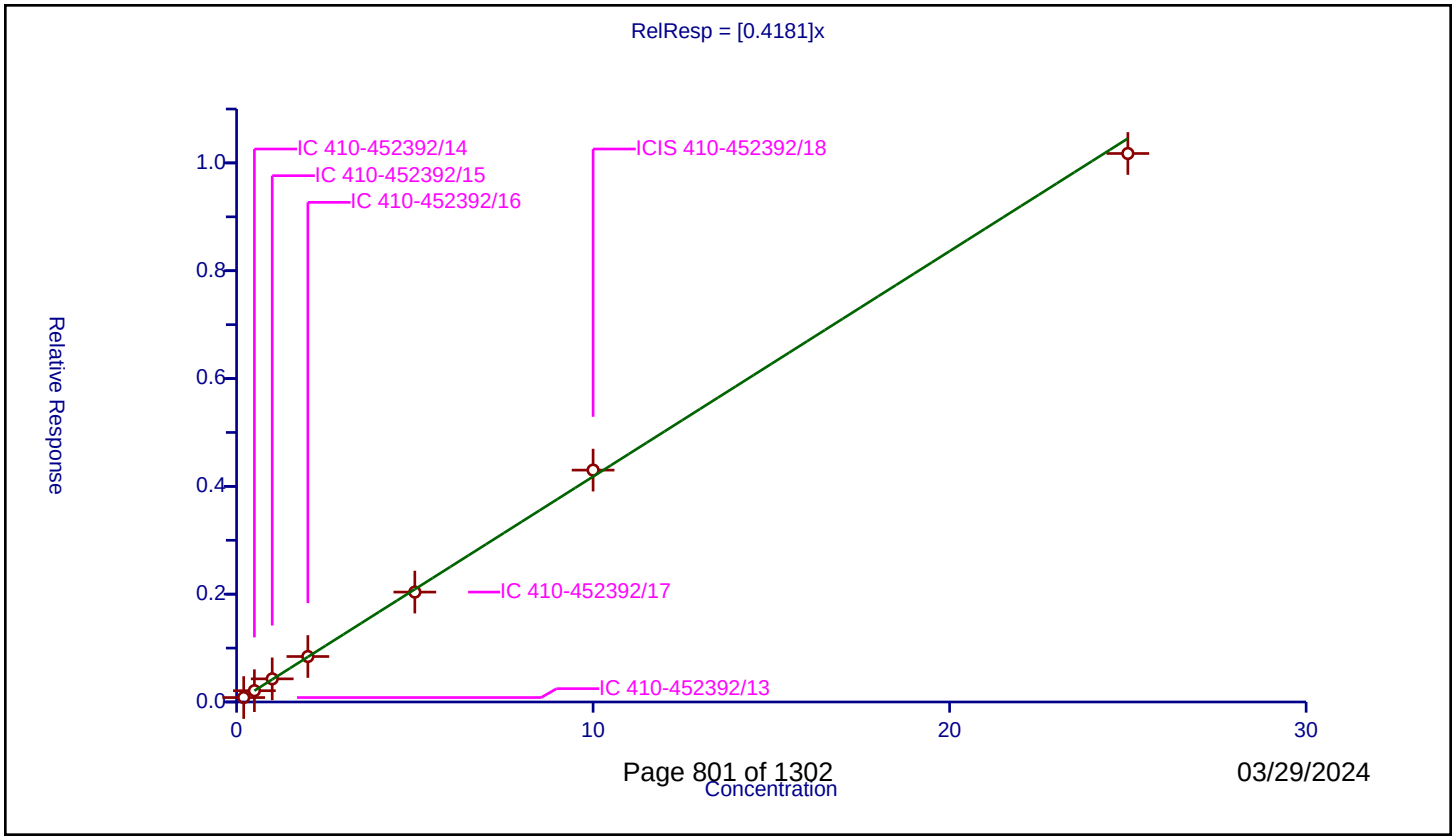
Curve Coefficients

Intercept:	0
Slope:	0.4181

Error Coefficients

Standard Error:	972000
Relative Standard Error:	2.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.082344	10.0	2047394.0	0.411719	Y
2	IC 410-452392/14	0.5	0.209654	10.0	2025434.0	0.419308	Y
3	IC 410-452392/15	1.0	0.429206	10.0	2044405.0	0.429206	Y
4	IC 410-452392/16	2.0	0.843785	10.0	2031703.0	0.421892	Y
5	IC 410-452392/17	5.0	2.038629	10.0	2042373.0	0.407726	Y
6	ICIS 410-452392/18	10.0	4.301623	10.0	2054434.0	0.430162	Y
7	IC 410-452392/19	25.0	10.174867	10.0	2125786.0	0.406995	Y



Calibration / Methylene Chloride

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

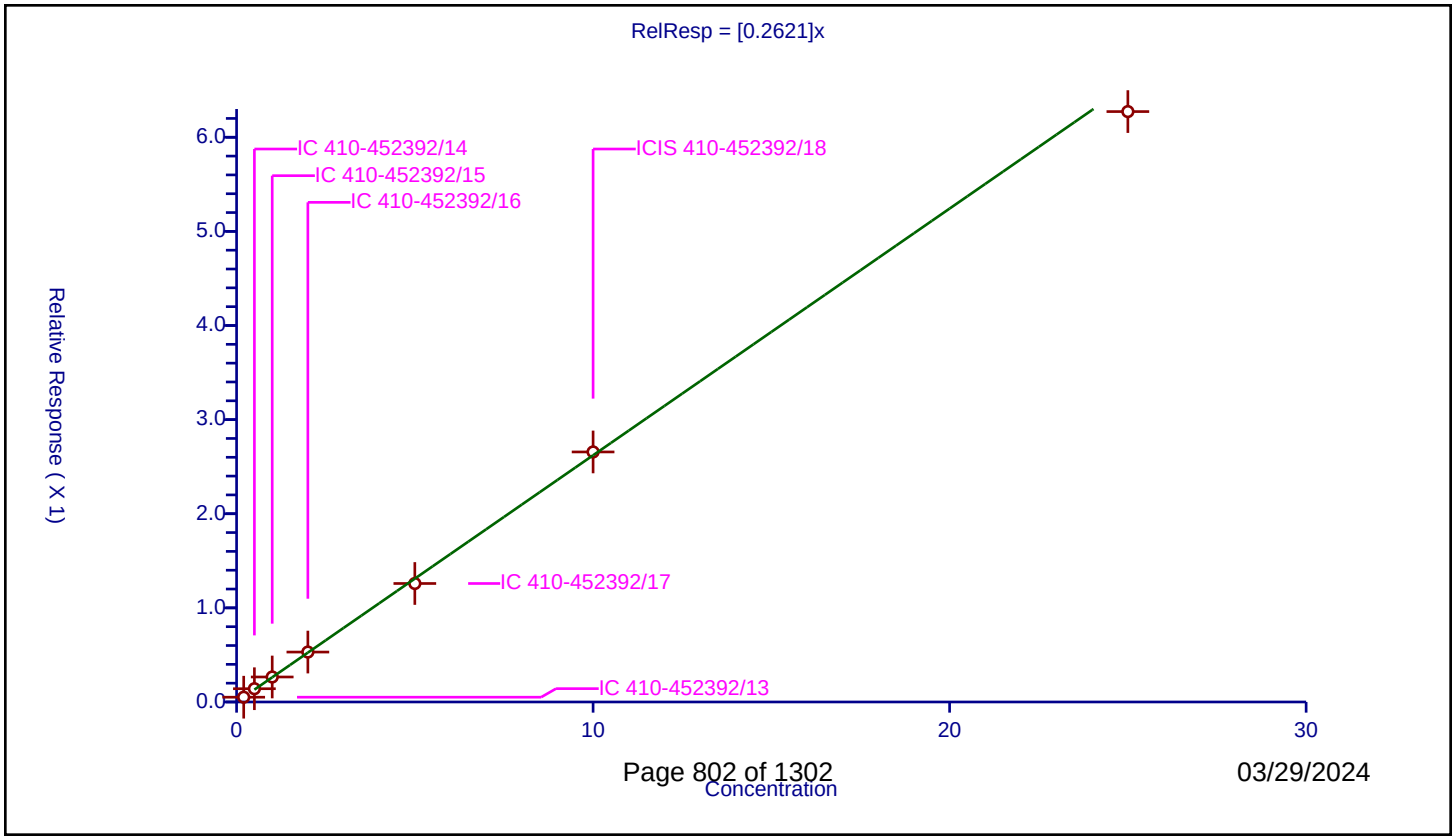
Curve Coefficients

Intercept:	0
Slope:	0.2621

Error Coefficients

Standard Error:	600000
Relative Standard Error:	4.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.050777	10.0	2047394.0	0.253884	Y
2	IC 410-452392/14	0.5	0.140869	10.0	2025434.0	0.281737	Y
3	IC 410-452392/15	1.0	0.26553	10.0	2044405.0	0.26553	Y
4	IC 410-452392/16	2.0	0.530511	10.0	2031703.0	0.265255	Y
5	IC 410-452392/17	5.0	1.258903	10.0	2042373.0	0.251781	Y
6	ICIS 410-452392/18	10.0	2.65662	10.0	2054434.0	0.265662	Y
7	IC 410-452392/19	25.0	6.272739	10.0	2125786.0	0.25091	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

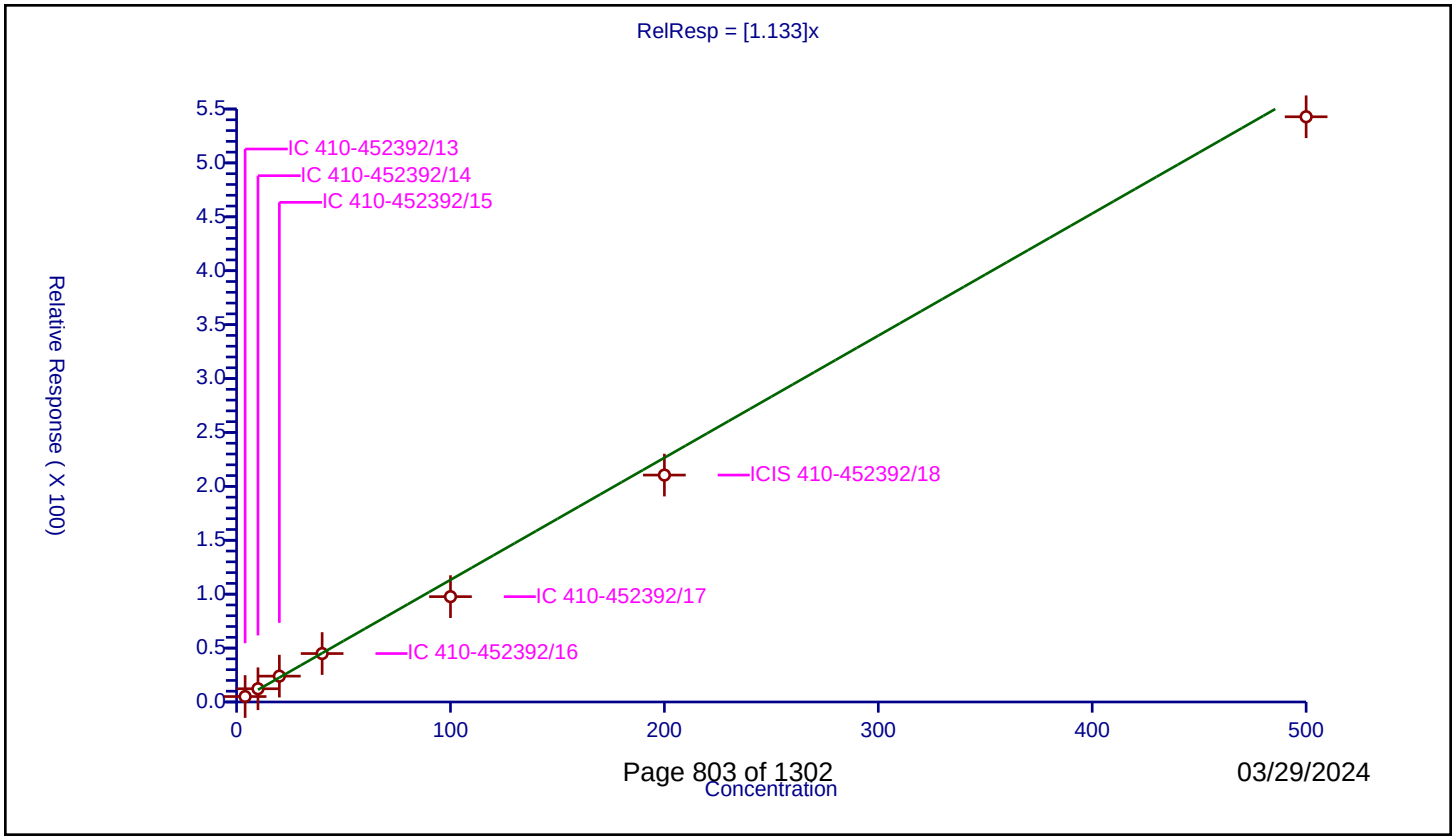
Curve Coefficients

Intercept:	0
Slope:	1.133

Error Coefficients

Standard Error:	697000
Relative Standard Error:	9.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	4.0	5.049097	50.0	144204.0	1.262274	Y
2	IC 410-452392/14	10.0	12.291512	50.0	141435.0	1.229151	Y
3	IC 410-452392/15	20.0	23.974946	50.0	137066.0	1.198747	Y
4	IC 410-452392/16	40.0	44.93244	50.0	135361.0	1.123311	Y
5	IC 410-452392/17	100.0	97.705461	50.0	137958.0	0.977055	Y
6	ICIS 410-452392/18	200.0	210.486503	50.0	140657.0	1.052433	Y
7	IC 410-452392/19	500.0	542.795105	50.0	144957.0	1.08559	Y



Calibration / Acrylonitrile

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

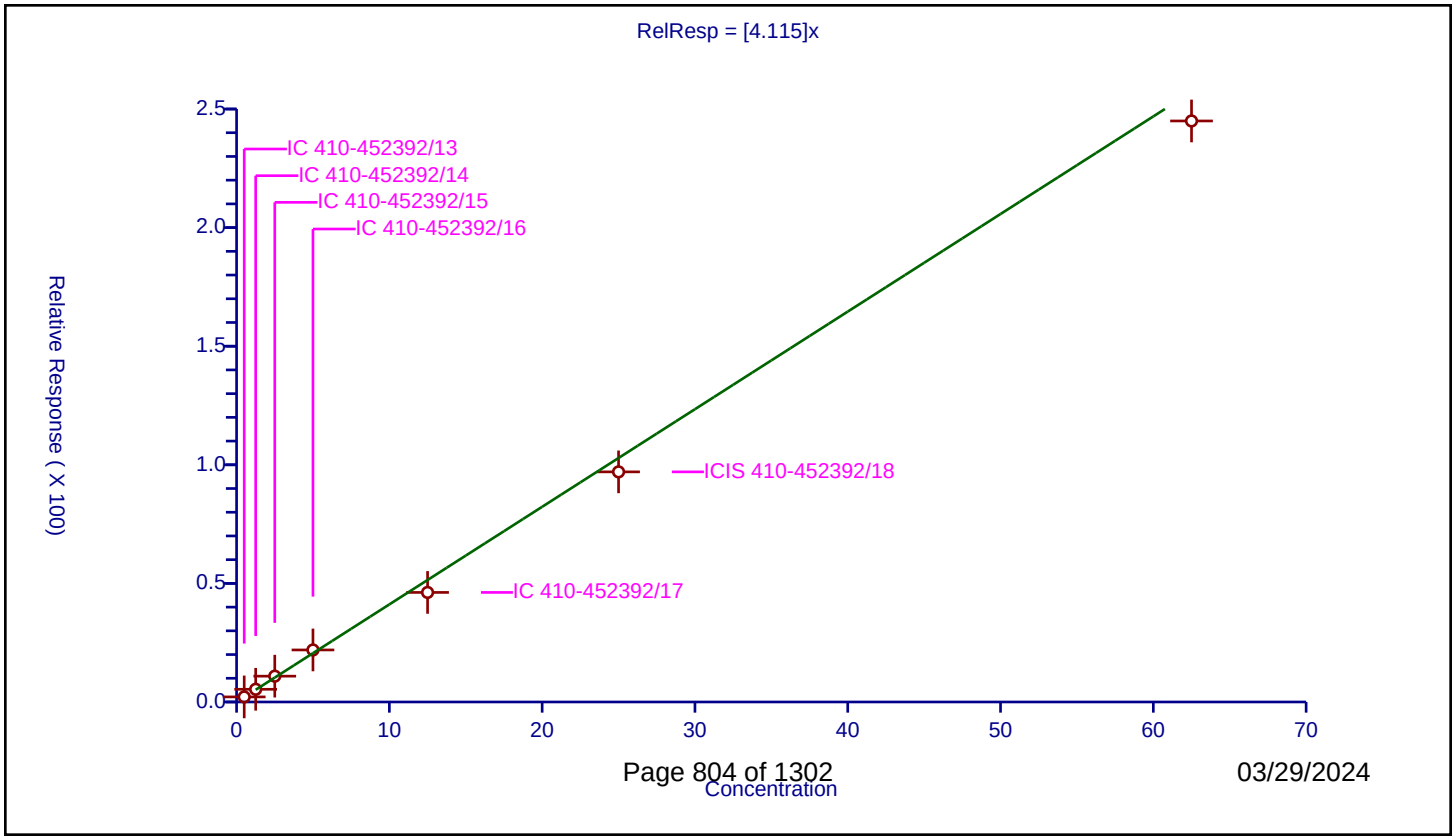
Curve Coefficients

Intercept:	0
Slope:	4.115

Error Coefficients

Standard Error:	316000
Relative Standard Error:	6.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.5	2.140717	50.0	144204.0	4.281435	Y
2	IC 410-452392/14	1.25	5.351575	50.0	141435.0	4.28126	Y
3	IC 410-452392/15	2.5	10.892198	50.0	137066.0	4.356879	Y
4	IC 410-452392/16	5.0	21.93985	50.0	135361.0	4.38797	Y
5	IC 410-452392/17	12.5	46.18942	50.0	137958.0	3.695154	Y
6	ICIS 410-452392/18	25.0	97.017568	50.0	140657.0	3.880703	Y
7	IC 410-452392/19	62.5	244.964369	50.0	144957.0	3.91943	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

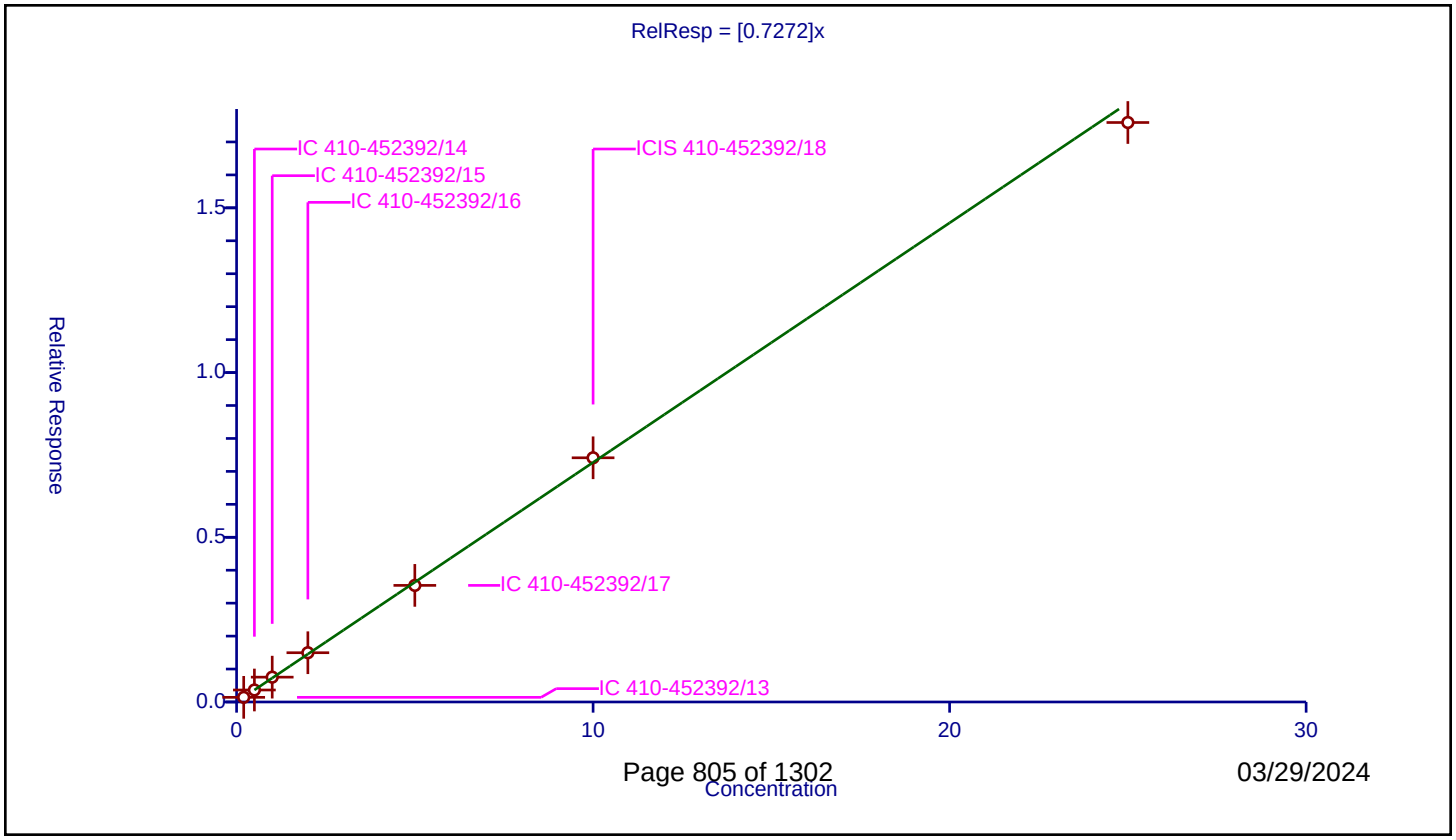
Curve Coefficients

Intercept:	0
Slope:	0.7272

Error Coefficients

Standard Error:	1680000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.141453	10.0	2047394.0	0.707265	Y
2	IC 410-452392/14	0.5	0.364208	10.0	2025434.0	0.728417	Y
3	IC 410-452392/15	1.0	0.754073	10.0	2044405.0	0.754073	Y
4	IC 410-452392/16	2.0	1.49576	10.0	2031703.0	0.74788	Y
5	IC 410-452392/17	5.0	3.53904	10.0	2042373.0	0.707808	Y
6	ICIS 410-452392/18	10.0	7.412567	10.0	2054434.0	0.741257	Y
7	IC 410-452392/19	25.0	17.590788	10.0	2125786.0	0.703632	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

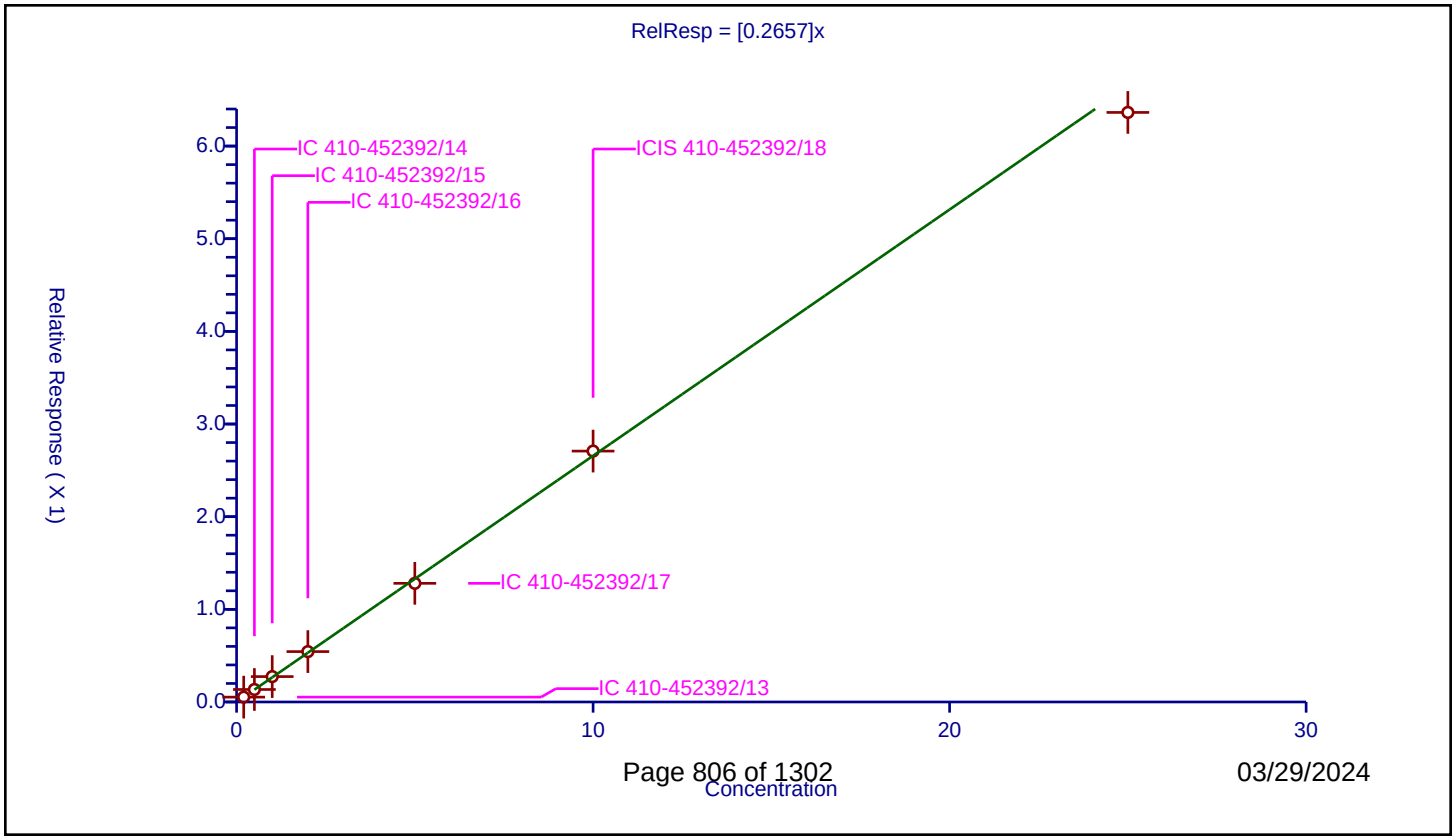
Curve Coefficients

Intercept:	0
Slope:	0.2657

Error Coefficients

Standard Error:	609000
Relative Standard Error:	3.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.052574	10.0	2047394.0	0.262871	Y
2	IC 410-452392/14	0.5	0.134978	10.0	2025434.0	0.269957	Y
3	IC 410-452392/15	1.0	0.27408	10.0	2044405.0	0.27408	Y
4	IC 410-452392/16	2.0	0.543697	10.0	2031703.0	0.271848	Y
5	IC 410-452392/17	5.0	1.280657	10.0	2042373.0	0.256131	Y
6	ICIS 410-452392/18	10.0	2.708016	10.0	2054434.0	0.270802	Y
7	IC 410-452392/19	25.0	6.363025	10.0	2125786.0	0.254521	Y



Calibration / Hexane

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

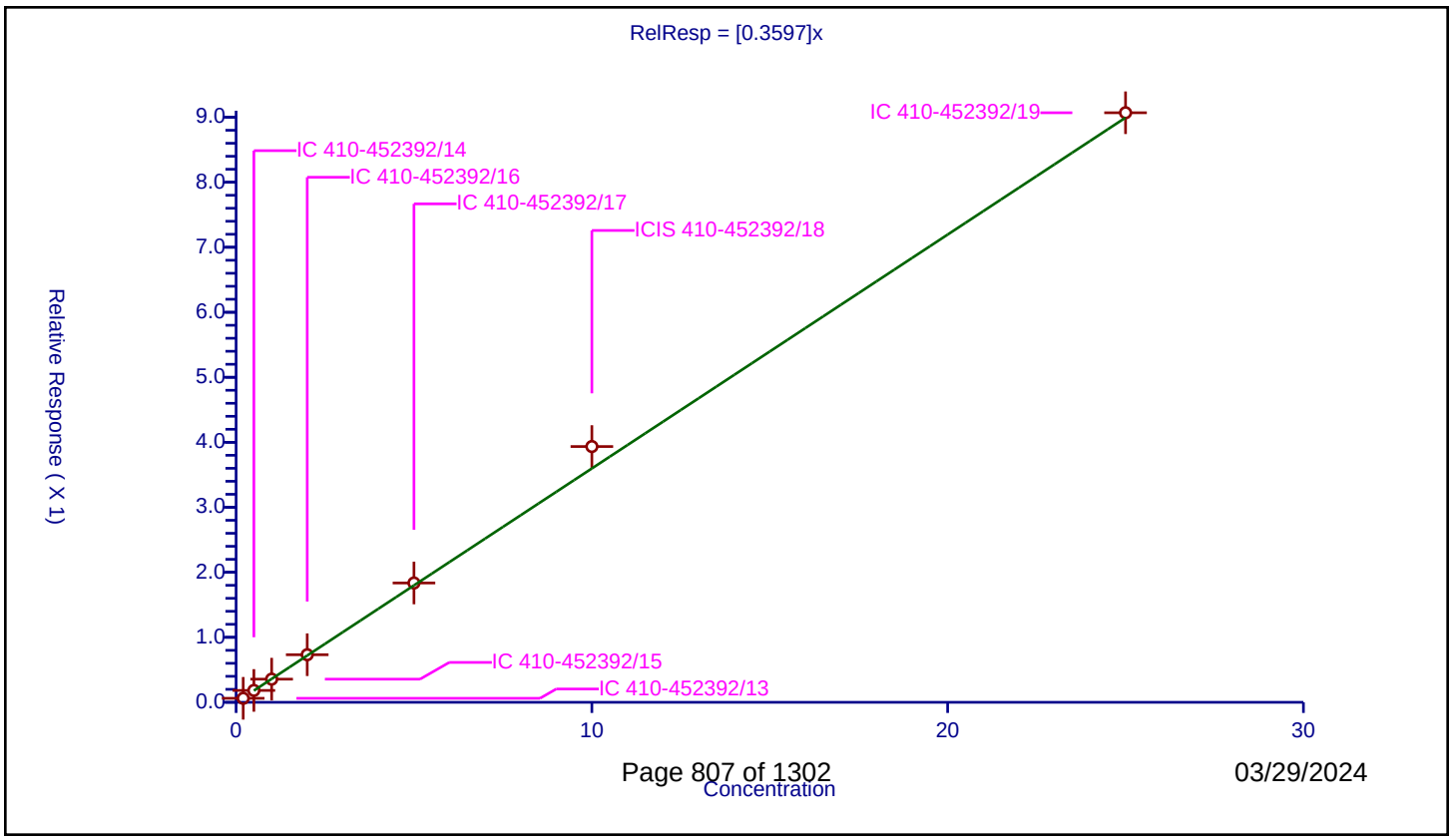
Curve Coefficients

Intercept:	0
Slope:	0.3597

Error Coefficients

Standard Error:	870000
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.061439	10.0	2047394.0	0.307195	Y
2	IC 410-452392/14	0.5	0.182682	10.0	2025434.0	0.365364	Y
3	IC 410-452392/15	1.0	0.356304	10.0	2044405.0	0.356304	Y
4	IC 410-452392/16	2.0	0.732066	10.0	2031703.0	0.366033	Y
5	IC 410-452392/17	5.0	1.835615	10.0	2042373.0	0.367123	Y
6	ICIS 410-452392/18	10.0	3.934514	10.0	2054434.0	0.393451	Y
7	IC 410-452392/19	25.0	9.069431	10.0	2125786.0	0.362777	Y



Calibration / 1,1-Dichloroethane

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

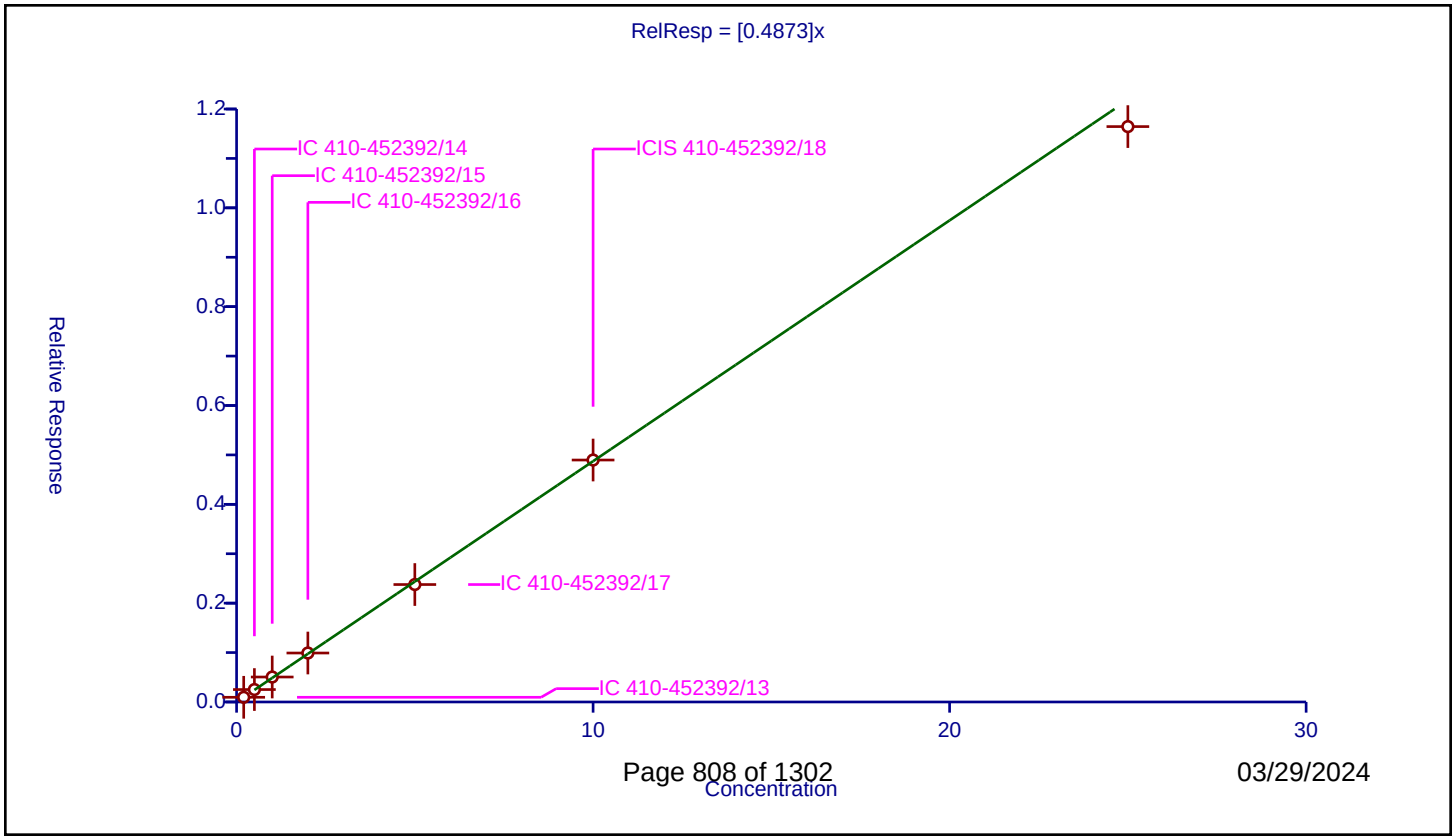
Curve Coefficients

Intercept:	0
Slope:	0.4873

Error Coefficients

Standard Error:	1110000
Relative Standard Error:	3.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.095287	10.0	2047394.0	0.476435	Y
2	IC 410-452392/14	0.5	0.251497	10.0	2025434.0	0.502993	Y
3	IC 410-452392/15	1.0	0.505257	10.0	2044405.0	0.505257	Y
4	IC 410-452392/16	2.0	0.991173	10.0	2031703.0	0.495587	Y
5	IC 410-452392/17	5.0	2.376804	10.0	2042373.0	0.475361	Y
6	ICIS 410-452392/18	10.0	4.896453	10.0	2054434.0	0.489645	Y
7	IC 410-452392/19	25.0	11.644112	10.0	2125786.0	0.465764	Y



Calibration / Isopropyl ether

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

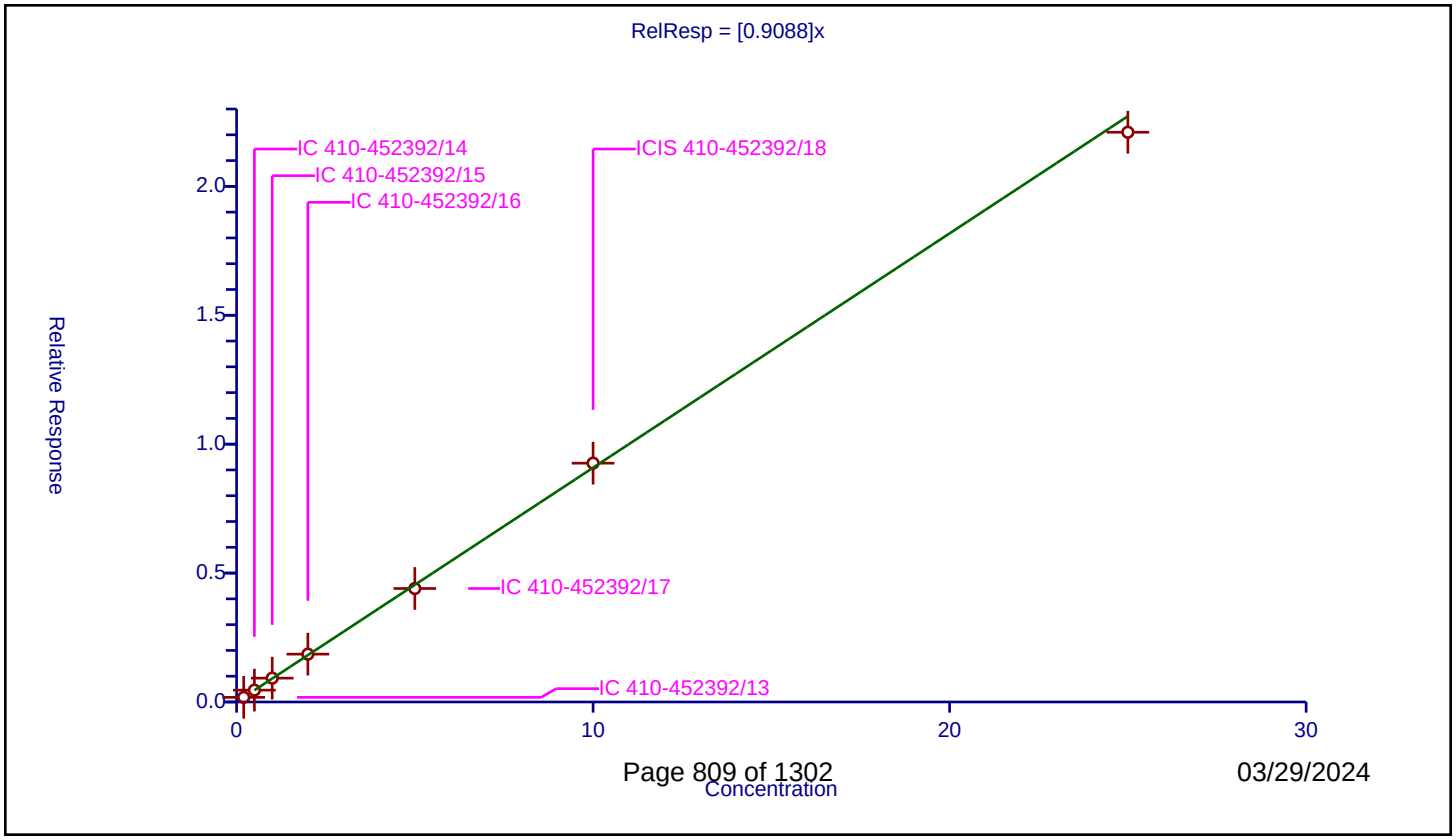
Curve Coefficients

Intercept:	0
Slope:	0.9088

Error Coefficients

Standard Error:	2110000
Relative Standard Error:	2.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.179496	10.0	2047394.0	0.897482	Y
2	IC 410-452392/14	0.5	0.460242	10.0	2025434.0	0.920484	Y
3	IC 410-452392/15	1.0	0.924983	10.0	2044405.0	0.924983	Y
4	IC 410-452392/16	2.0	1.85598	10.0	2031703.0	0.92799	Y
5	IC 410-452392/17	5.0	4.401498	10.0	2042373.0	0.8803	Y
6	ICIS 410-452392/18	10.0	9.263427	10.0	2054434.0	0.926343	Y
7	IC 410-452392/19	25.0	22.099299	10.0	2125786.0	0.883972	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

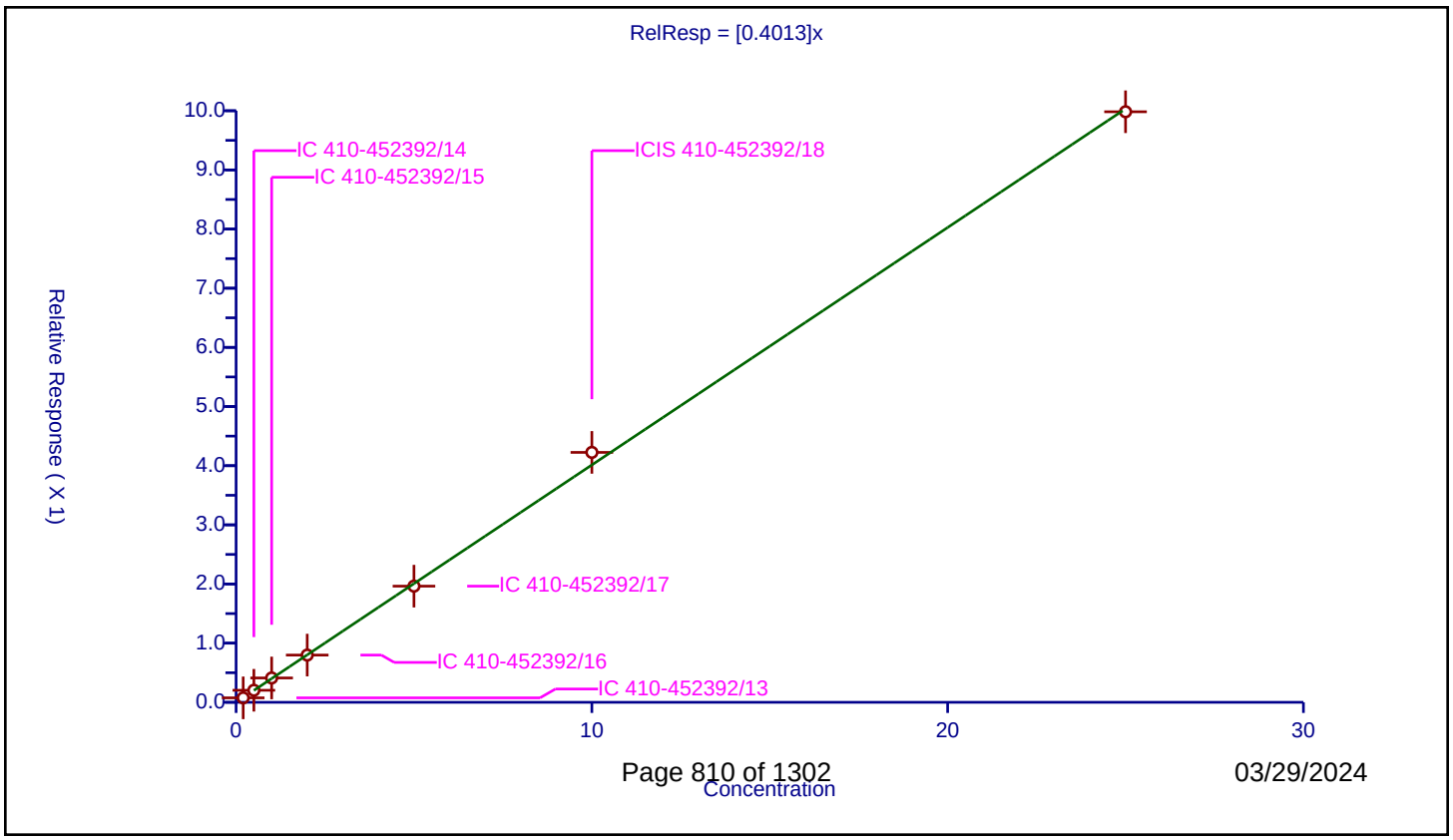
Curve Coefficients

Intercept:	0
Slope:	0.4013

Error Coefficients

Standard Error:	953000
Relative Standard Error:	3.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.075408	10.0	2047394.0	0.37704	Y
2	IC 410-452392/14	0.5	0.203369	10.0	2025434.0	0.406738	Y
3	IC 410-452392/15	1.0	0.411685	10.0	2044405.0	0.411685	Y
4	IC 410-452392/16	2.0	0.79837	10.0	2031703.0	0.399185	Y
5	IC 410-452392/17	5.0	1.963701	10.0	2042373.0	0.39274	Y
6	ICIS 410-452392/18	10.0	4.224891	10.0	2054434.0	0.422489	Y
7	IC 410-452392/19	25.0	9.982764	10.0	2125786.0	0.399311	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

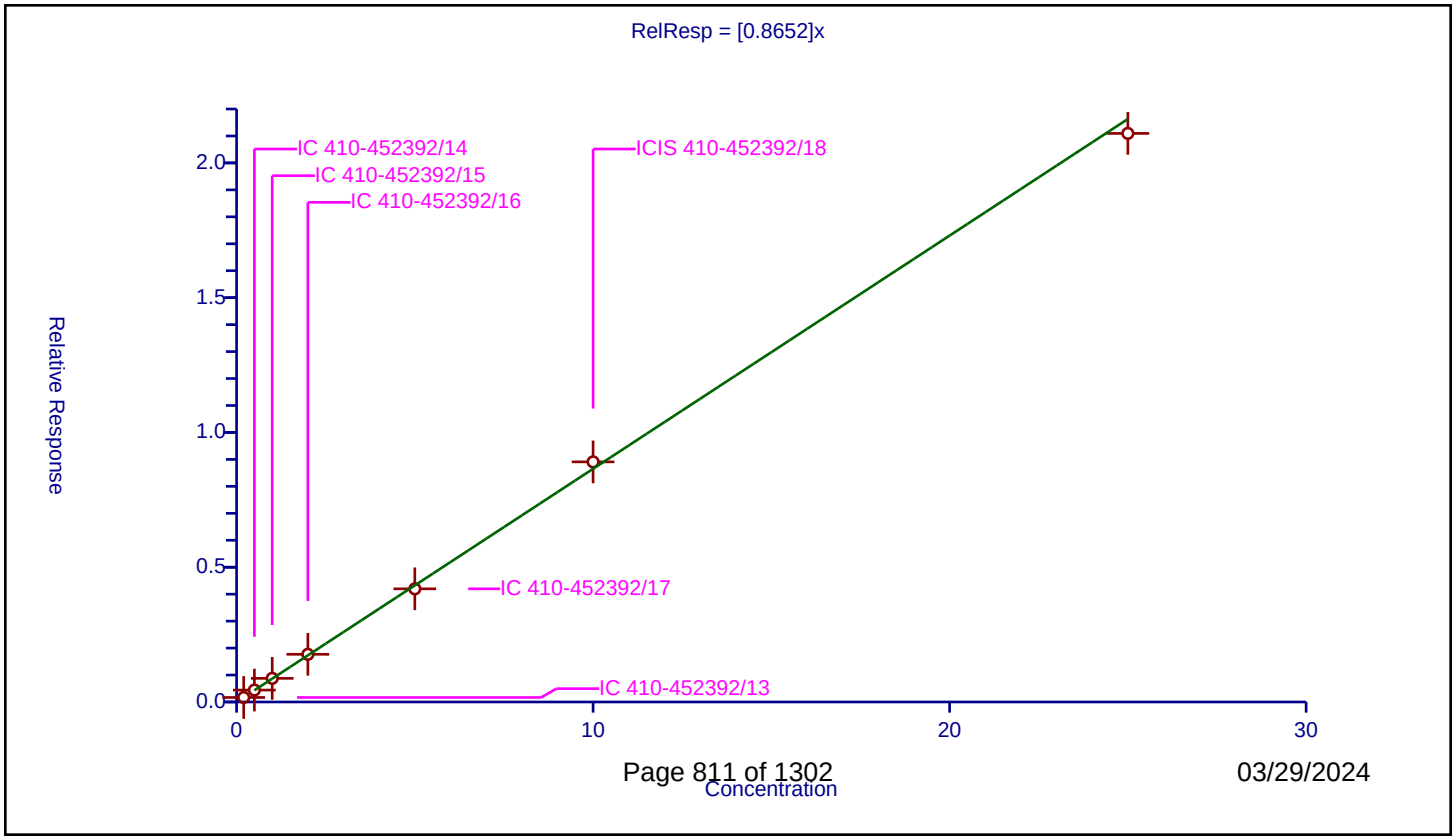
Curve Coefficients

Intercept:	0
Slope:	0.8652

Error Coefficients

Standard Error:	2020000
Relative Standard Error:	2.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.16734	10.0	2047394.0	0.836698	Y
2	IC 410-452392/14	0.5	0.441555	10.0	2025434.0	0.883109	Y
3	IC 410-452392/15	1.0	0.877424	10.0	2044405.0	0.877424	Y
4	IC 410-452392/16	2.0	1.768974	10.0	2031703.0	0.884487	Y
5	IC 410-452392/17	5.0	4.198391	10.0	2042373.0	0.839678	Y
6	ICIS 410-452392/18	10.0	8.908551	10.0	2054434.0	0.890855	Y
7	IC 410-452392/19	25.0	21.094974	10.0	2125786.0	0.843799	Y



Calibration / 2-Butanone (MEK)

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

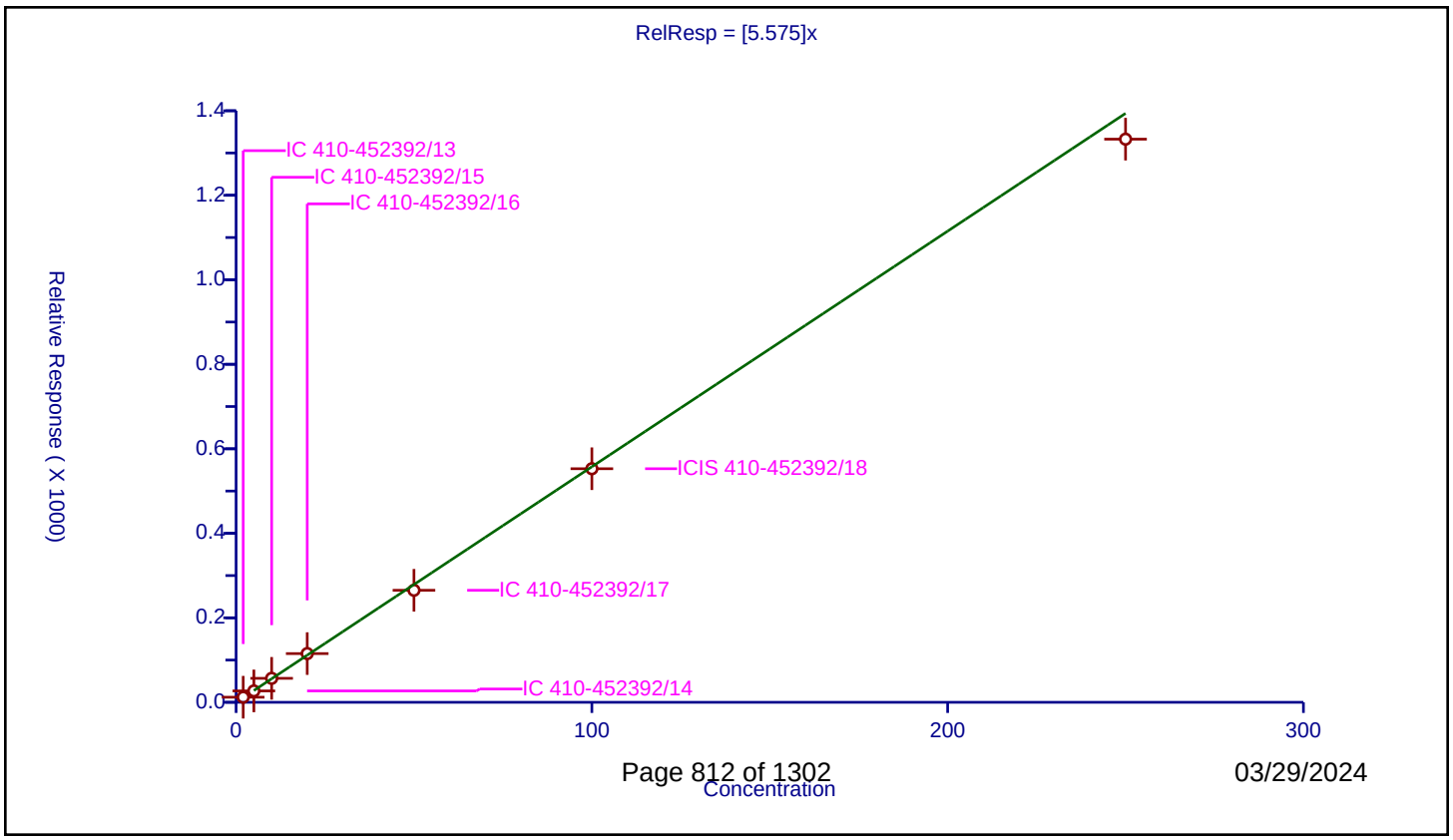
Curve Coefficients

Intercept:	0
Slope:	5.575

Error Coefficients

Standard Error:	1730000
Relative Standard Error:	4.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	2.0	12.061385	50.0	144204.0	6.030693	Y
2	IC 410-452392/14	5.0	26.961855	50.0	141435.0	5.392371	Y
3	IC 410-452392/15	10.0	56.748938	50.0	137066.0	5.674894	Y
4	IC 410-452392/16	20.0	115.312017	50.0	135361.0	5.765601	Y
5	IC 410-452392/17	50.0	265.182882	50.0	137958.0	5.303658	Y
6	ICIS 410-452392/18	100.0	552.806117	50.0	140657.0	5.528061	Y
7	IC 410-452392/19	250.0	1332.759025	50.0	144957.0	5.331036	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

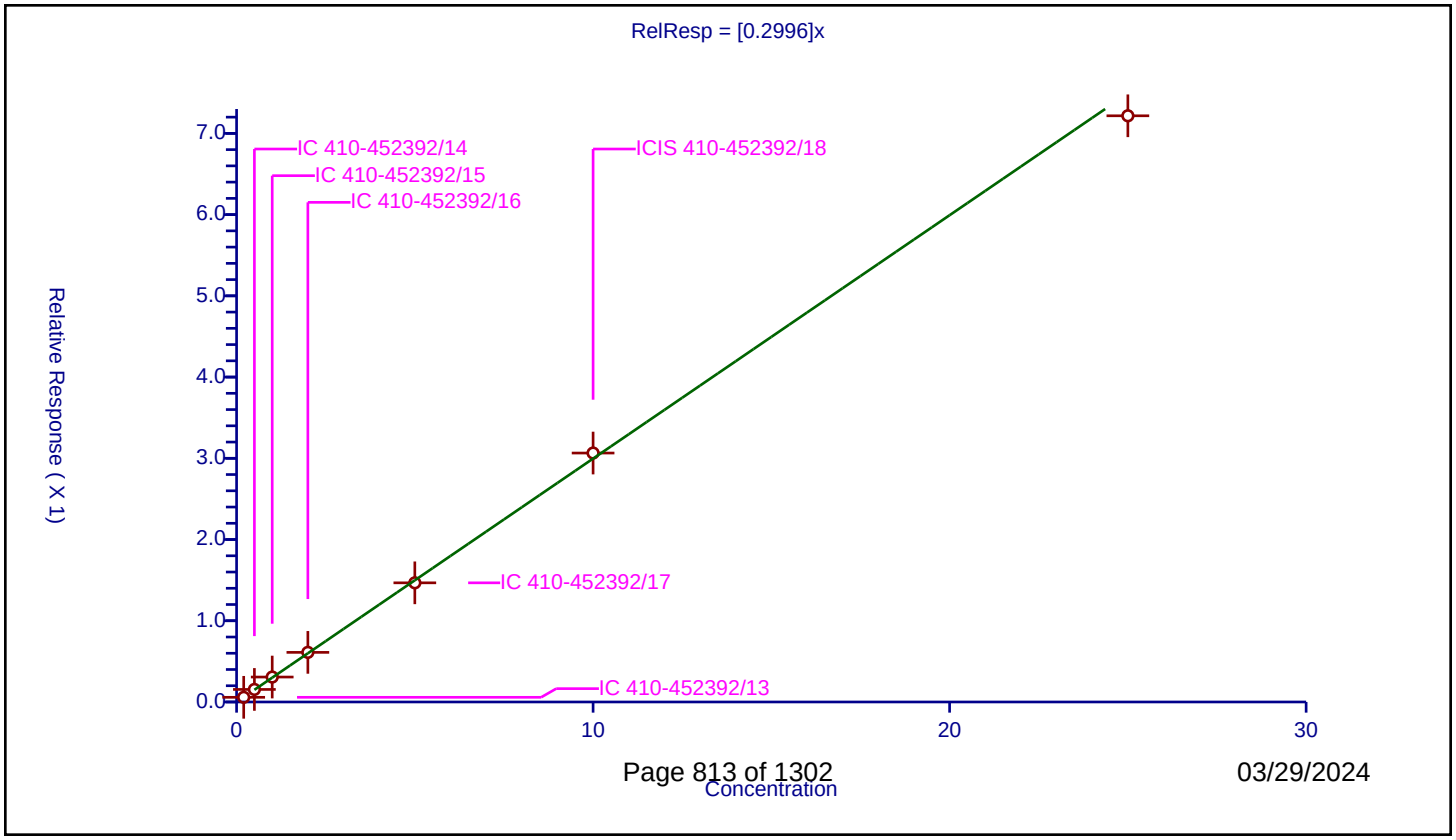
Curve Coefficients

Intercept:	0
Slope:	0.2996

Error Coefficients

Standard Error:	690000
Relative Standard Error:	3.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.057473	10.0	2047394.0	0.287365	Y
2	IC 410-452392/14	0.5	0.154579	10.0	2025434.0	0.309158	Y
3	IC 410-452392/15	1.0	0.30697	10.0	2044405.0	0.30697	Y
4	IC 410-452392/16	2.0	0.610818	10.0	2031703.0	0.305409	Y
5	IC 410-452392/17	5.0	1.466955	10.0	2042373.0	0.293391	Y
6	ICIS 410-452392/18	10.0	3.064708	10.0	2054434.0	0.306471	Y
7	IC 410-452392/19	25.0	7.216705	10.0	2125786.0	0.288668	Y



Calibration / 2,2-Dichloropropane

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

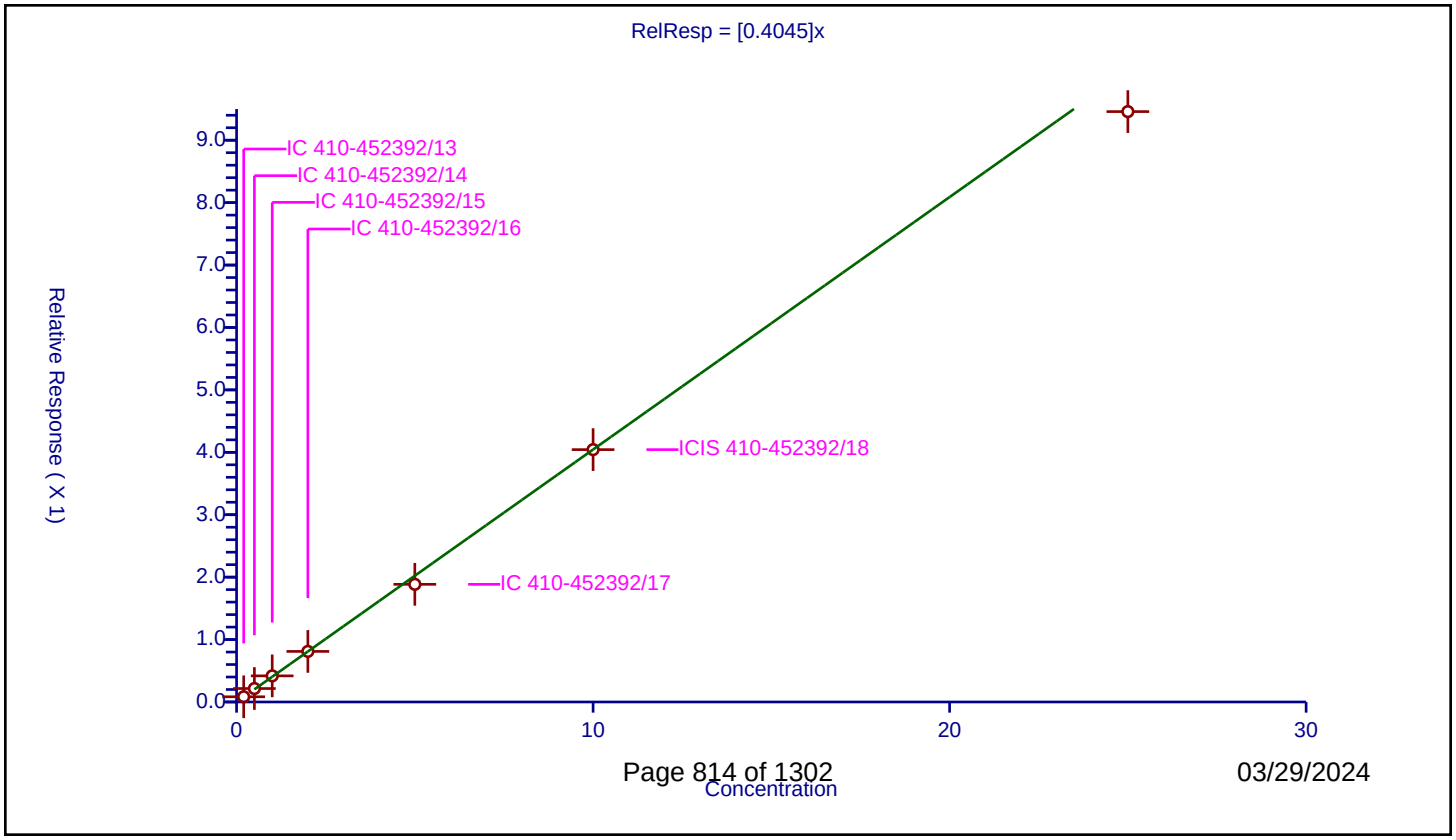
Curve Coefficients

Intercept:	0
Slope:	0.4045

Error Coefficients

Standard Error:	905000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.083389	10.0	2047394.0	0.416945	Y
2	IC 410-452392/14	0.5	0.215662	10.0	2025434.0	0.431325	Y
3	IC 410-452392/15	1.0	0.418268	10.0	2044405.0	0.418268	Y
4	IC 410-452392/16	2.0	0.810148	10.0	2031703.0	0.405074	Y
5	IC 410-452392/17	5.0	1.885062	10.0	2042373.0	0.377012	Y
6	ICIS 410-452392/18	10.0	4.042972	10.0	2054434.0	0.404297	Y
7	IC 410-452392/19	25.0	9.458445	10.0	2125786.0	0.378338	Y



Calibration / Propionitrile

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

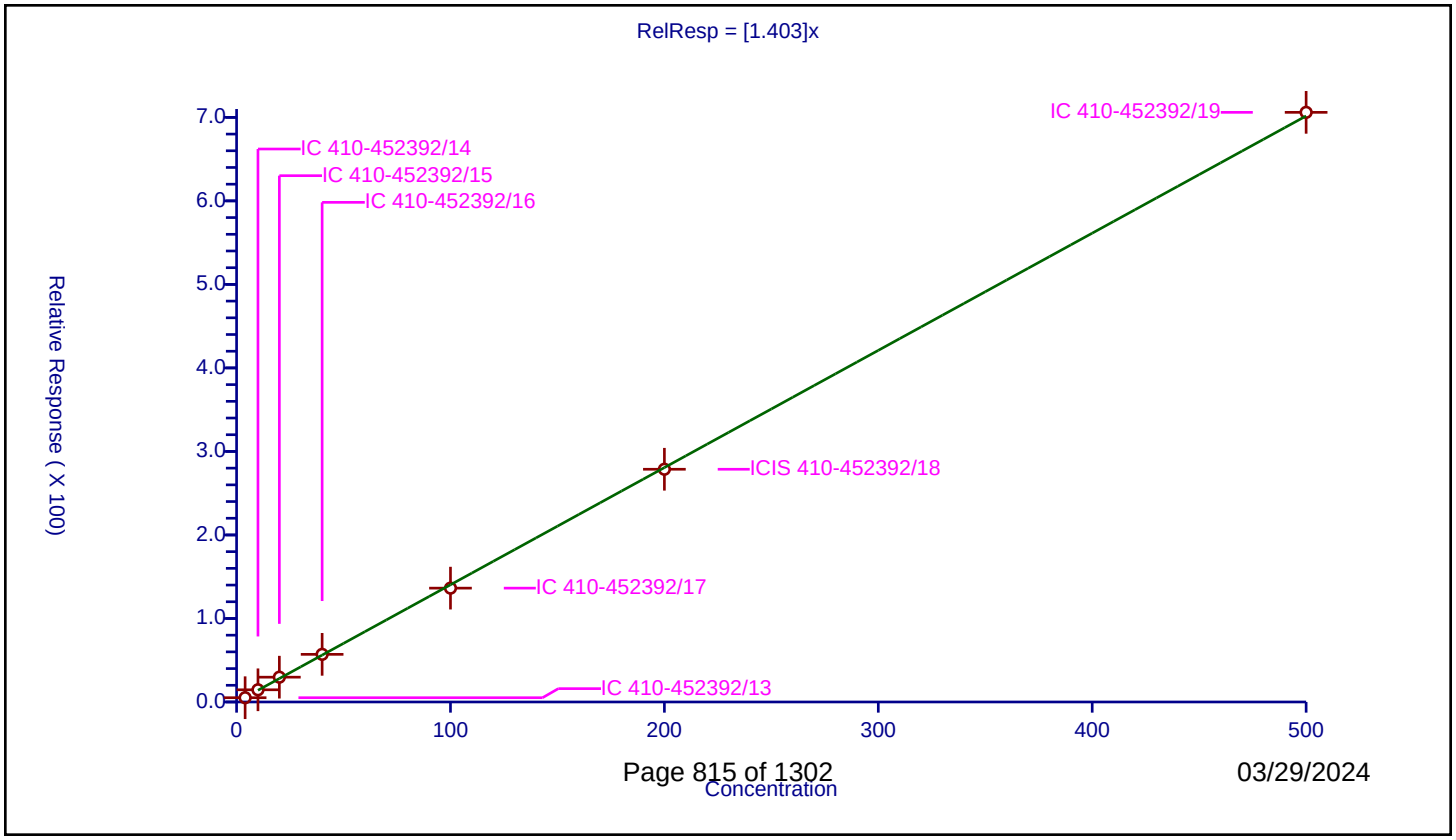
Curve Coefficients

Intercept:	0
Slope:	1.403

Error Coefficients

Standard Error:	911000
Relative Standard Error:	4.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	4.0	5.136127	50.0	144204.0	1.284032	Y
2	IC 410-452392/14	10.0	14.59363	50.0	141435.0	1.459363	Y
3	IC 410-452392/15	20.0	29.707221	50.0	137066.0	1.485361	Y
4	IC 410-452392/16	40.0	57.041541	50.0	135361.0	1.426039	Y
5	IC 410-452392/17	100.0	136.336421	50.0	137958.0	1.363364	Y
6	ICIS 410-452392/18	200.0	278.665122	50.0	140657.0	1.393326	Y
7	IC 410-452392/19	500.0	706.022131	50.0	144957.0	1.412044	Y



Calibration / Methacrylonitrile

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

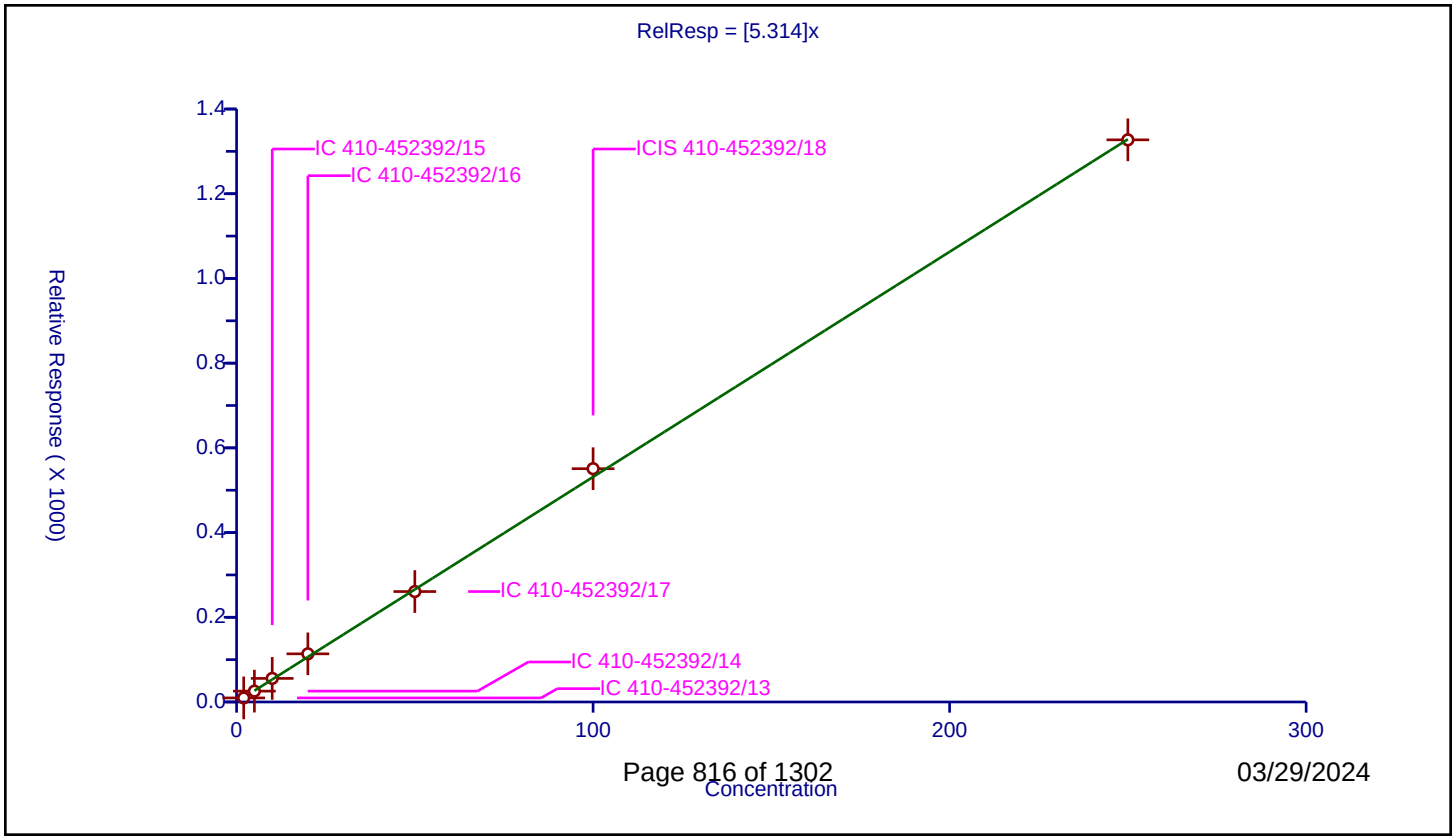
Curve Coefficients

Intercept:	0
Slope:	5.314

Error Coefficients

Standard Error:	1720000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	2.0	9.576711	50.0	144204.0	4.788355	Y
2	IC 410-452392/14	5.0	25.63439	50.0	141435.0	5.126878	Y
3	IC 410-452392/15	10.0	55.684488	50.0	137066.0	5.568449	Y
4	IC 410-452392/16	20.0	113.673436	50.0	135361.0	5.683672	Y
5	IC 410-452392/17	50.0	260.739863	50.0	137958.0	5.214797	Y
6	ICIS 410-452392/18	100.0	550.832166	50.0	140657.0	5.508322	Y
7	IC 410-452392/19	250.0	1327.20117	50.0	144957.0	5.308805	Y



Calibration / Chlorobromomethane

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

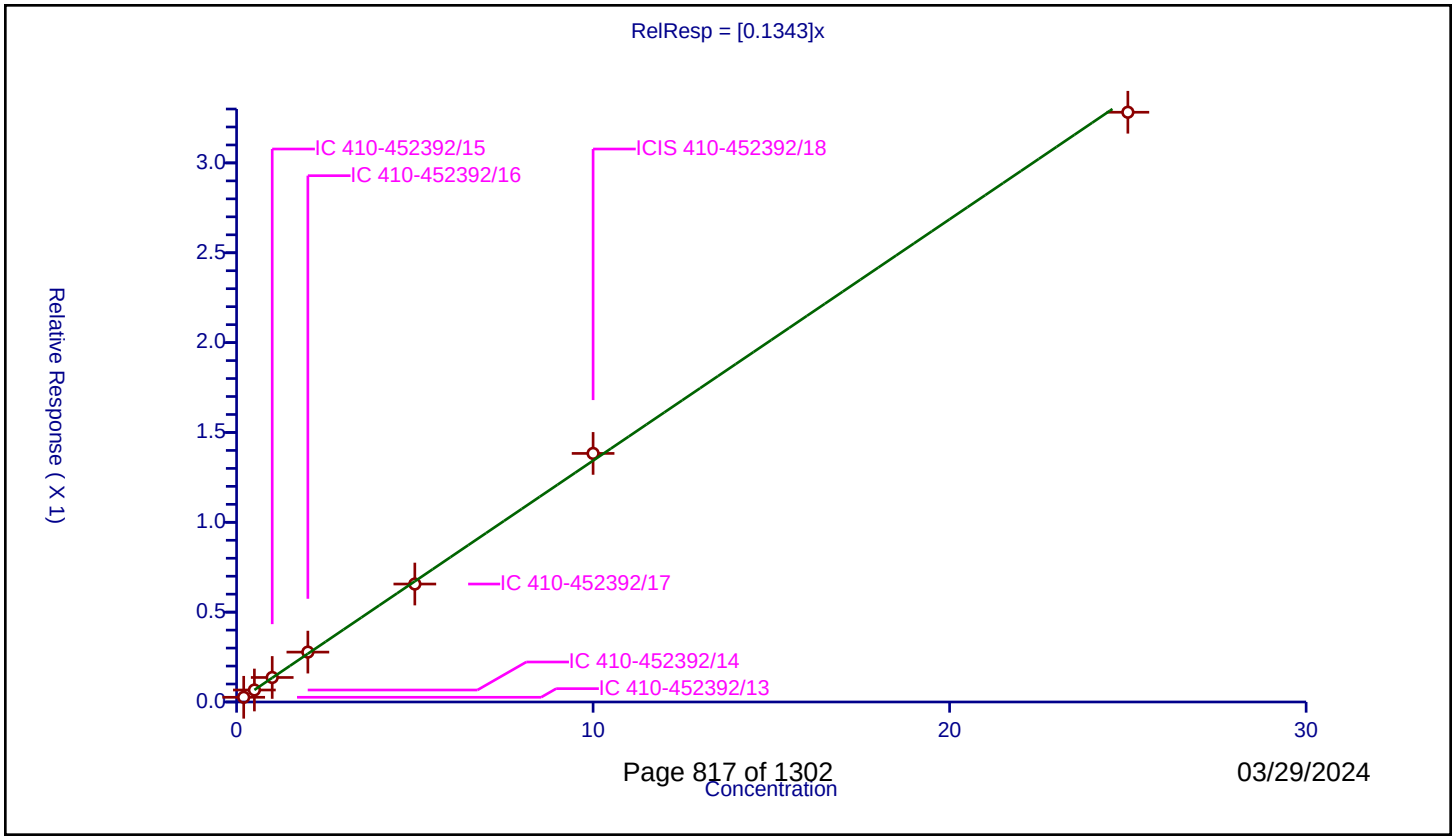
Curve Coefficients

Intercept:	0
Slope:	0.1343

Error Coefficients

Standard Error:	314000
Relative Standard Error:	2.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.026145	10.0	2047394.0	0.130727	Y
2	IC 410-452392/14	0.5	0.066702	10.0	2025434.0	0.133404	Y
3	IC 410-452392/15	1.0	0.136387	10.0	2044405.0	0.136387	Y
4	IC 410-452392/16	2.0	0.277624	10.0	2031703.0	0.138812	Y
5	IC 410-452392/17	5.0	0.656447	10.0	2042373.0	0.131289	Y
6	ICIS 410-452392/18	10.0	1.38333	10.0	2054434.0	0.138333	Y
7	IC 410-452392/19	25.0	3.282104	10.0	2125786.0	0.131284	Y



Calibration / Tetrahydrofuran

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

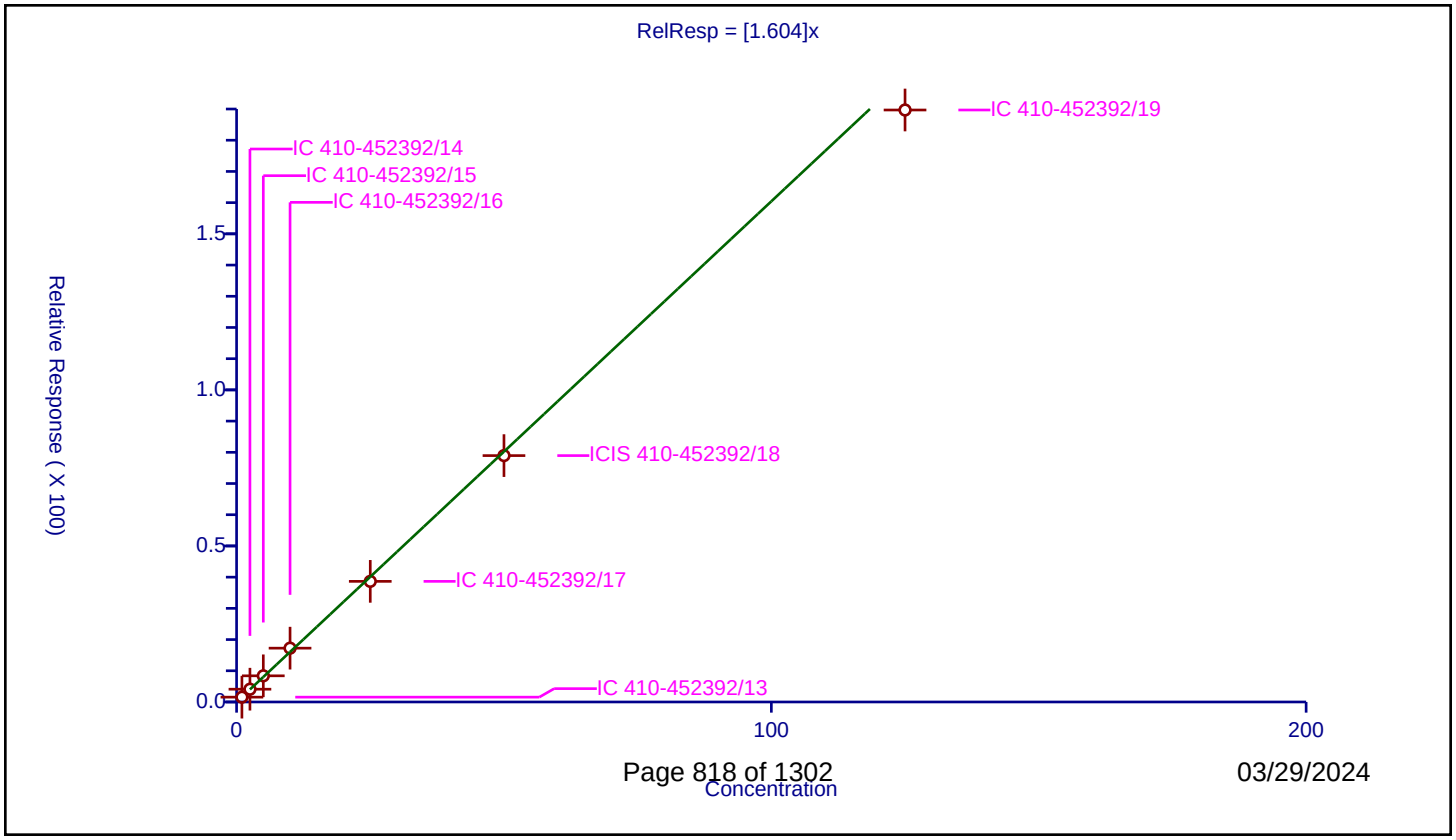
Curve Coefficients

Intercept:	0
Slope:	1.604

Error Coefficients

Standard Error:	247000
Relative Standard Error:	4.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	1.0	1.547807	50.0	144204.0	1.547807	Y
2	IC 410-452392/14	2.5	4.094814	50.0	141435.0	1.637926	Y
3	IC 410-452392/15	5.0	8.3872	50.0	137066.0	1.67744	Y
4	IC 410-452392/16	10.0	17.244258	50.0	135361.0	1.724426	Y
5	IC 410-452392/17	25.0	38.653068	50.0	137958.0	1.546123	Y
6	ICIS 410-452392/18	50.0	78.947724	50.0	140657.0	1.578954	Y
7	IC 410-452392/19	125.0	189.686942	50.0	144957.0	1.517496	Y



Calibration / Chloroform

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

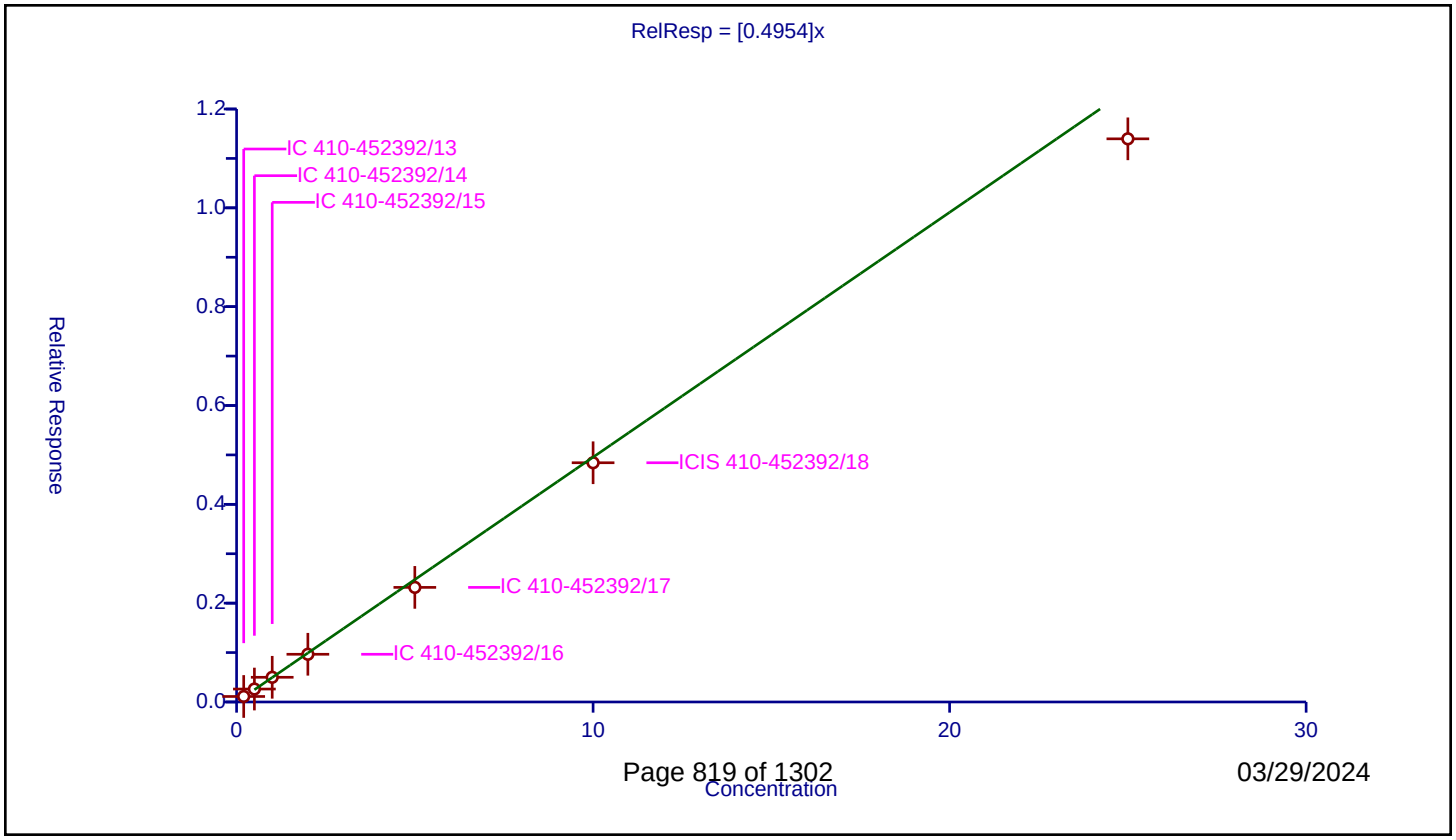
Curve Coefficients

Intercept:	0
Slope:	0.4954

Error Coefficients

Standard Error:	1090000
Relative Standard Error:	7.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.111464	10.0	2047394.0	0.557318	Y
2	IC 410-452392/14	0.5	0.262038	10.0	2025434.0	0.524075	Y
3	IC 410-452392/15	1.0	0.49996	10.0	2044405.0	0.49996	Y
4	IC 410-452392/16	2.0	0.965648	10.0	2031703.0	0.482824	Y
5	IC 410-452392/17	5.0	2.31915	10.0	2042373.0	0.46383	Y
6	ICIS 410-452392/18	10.0	4.841343	10.0	2054434.0	0.484134	Y
7	IC 410-452392/19	25.0	11.396759	10.0	2125786.0	0.45587	Y



Calibration / Dibromofluoromethane (Surr)

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

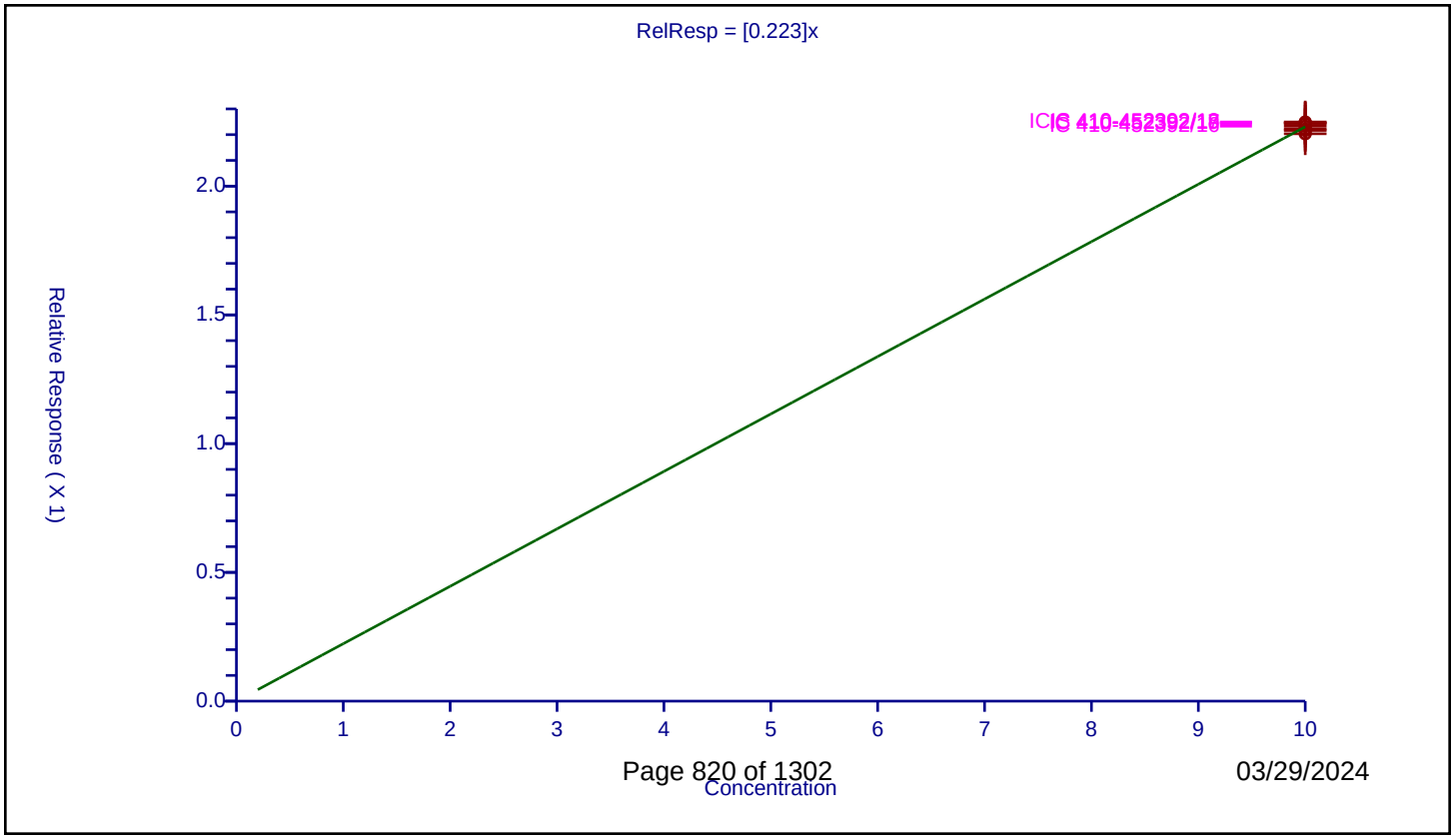
Curve Coefficients

Intercept:	0
Slope:	0.223

Error Coefficients

Standard Error:	495000
Relative Standard Error:	0.8
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	10.0	2.203504	10.0	2047394.0	0.22035	Y
2	IC 410-452392/14	10.0	2.221939	10.0	2025434.0	0.222194	Y
3	IC 410-452392/15	10.0	2.21641	10.0	2044405.0	0.221641	Y
4	IC 410-452392/16	10.0	2.232831	10.0	2031703.0	0.223283	Y
5	IC 410-452392/17	10.0	2.24528	10.0	2042373.0	0.224528	Y
6	ICIS 410-452392/18	10.0	2.249135	10.0	2054434.0	0.224914	Y
7	IC 410-452392/19	10.0	2.243326	10.0	2125786.0	0.224333	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

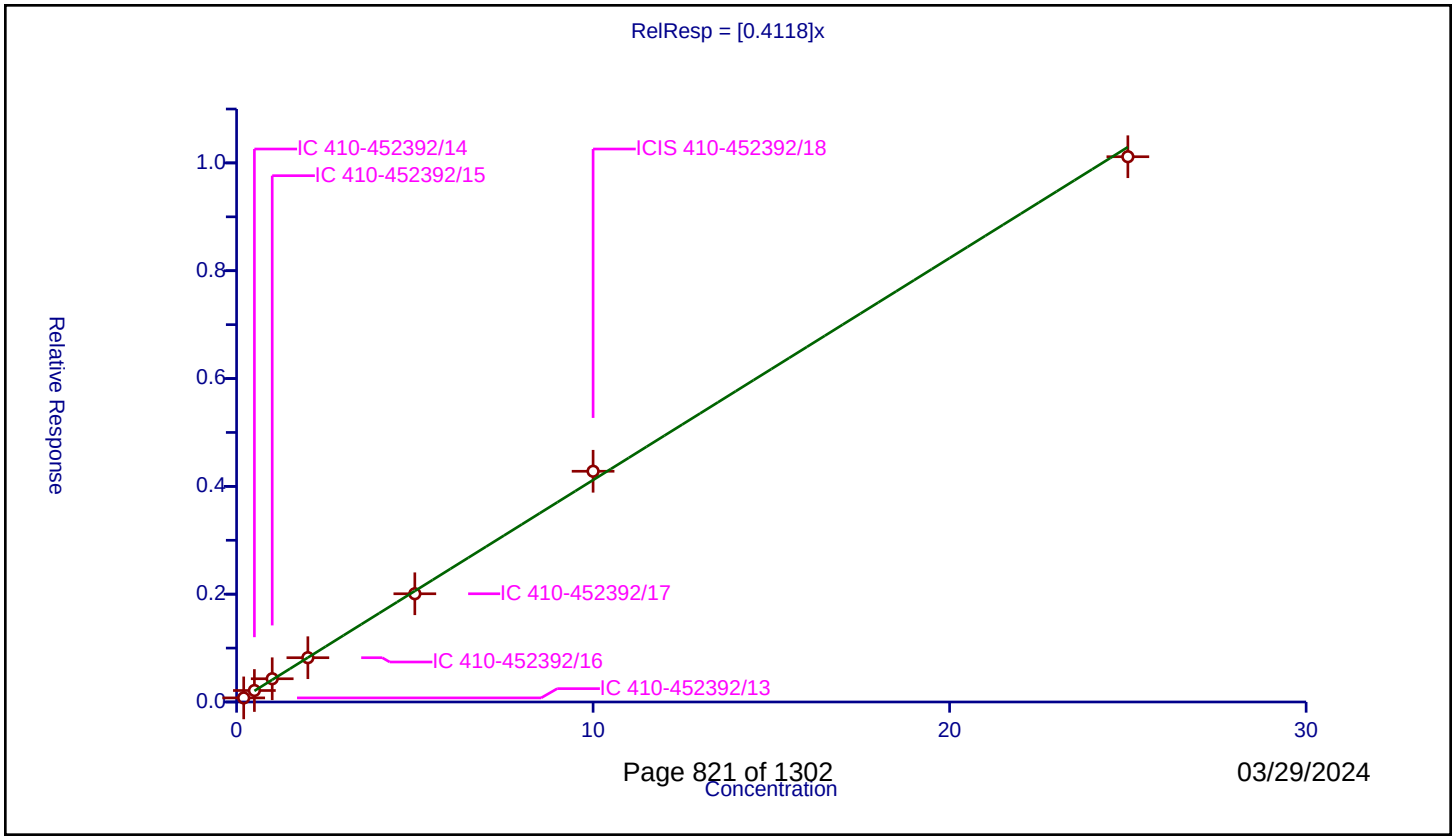
Curve Coefficients

Intercept:	0
Slope:	0.4118

Error Coefficients

Standard Error:	966000
Relative Standard Error:	4.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.076092	10.0	2047394.0	0.380459	Y
2	IC 410-452392/14	0.5	0.213001	10.0	2025434.0	0.426003	Y
3	IC 410-452392/15	1.0	0.430937	10.0	2044405.0	0.430937	Y
4	IC 410-452392/16	2.0	0.821498	10.0	2031703.0	0.410749	Y
5	IC 410-452392/17	5.0	2.007523	10.0	2042373.0	0.401505	Y
6	ICIS 410-452392/18	10.0	4.280235	10.0	2054434.0	0.428023	Y
7	IC 410-452392/19	25.0	10.115143	10.0	2125786.0	0.404606	Y



Calibration / Cyclohexane

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

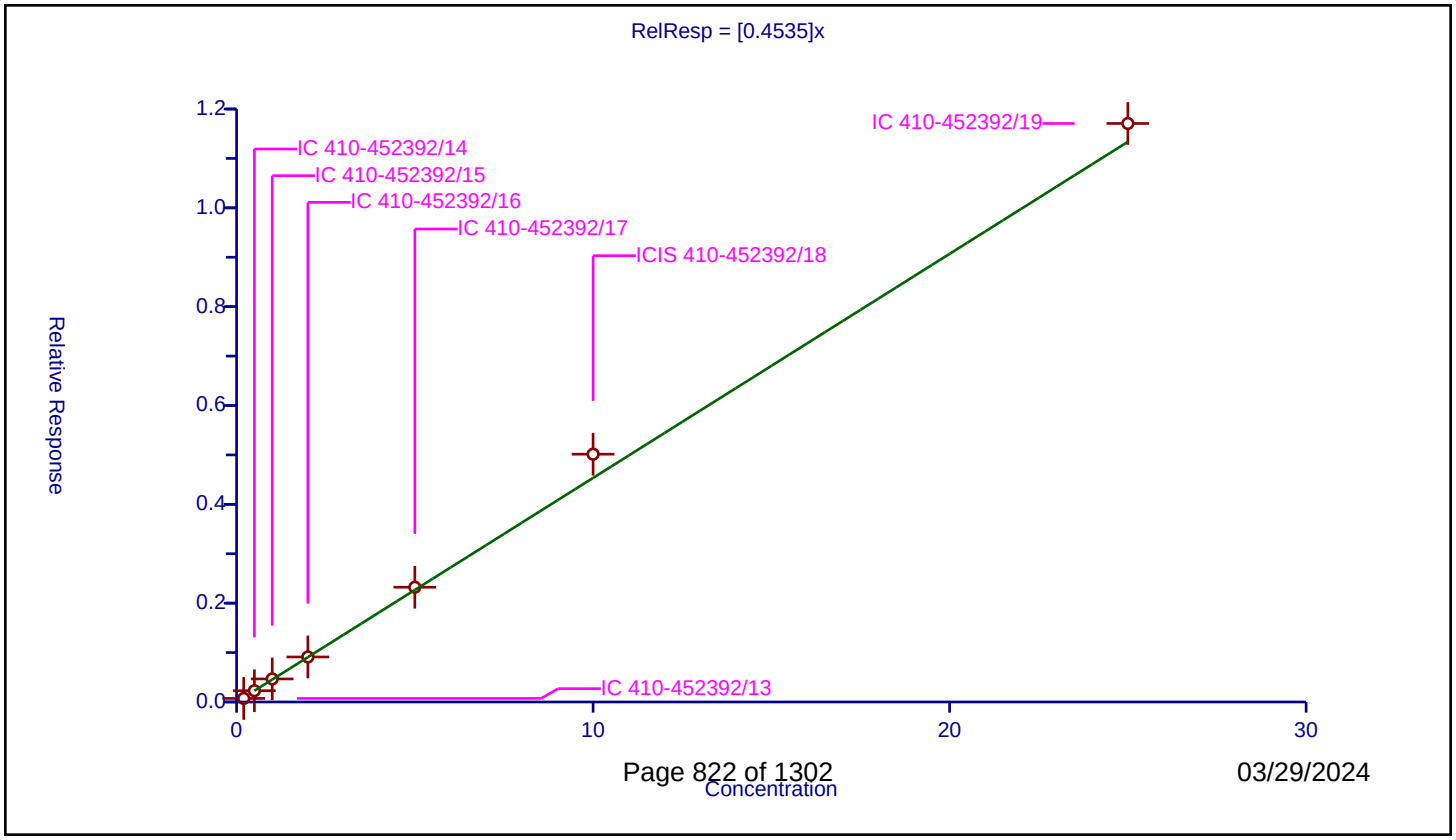
Curve Coefficients

Intercept:	0
Slope:	0.4535

Error Coefficients

Standard Error:	1120000
Relative Standard Error:	9.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.072307	10.0	2047394.0	0.361533	Y
2	IC 410-452392/14	0.5	0.227986	10.0	2025434.0	0.455971	Y
3	IC 410-452392/15	1.0	0.466688	10.0	2044405.0	0.466688	Y
4	IC 410-452392/16	2.0	0.911467	10.0	2031703.0	0.455733	Y
5	IC 410-452392/17	5.0	2.322411	10.0	2042373.0	0.464482	Y
6	ICIS 410-452392/18	10.0	5.014603	10.0	2054434.0	0.50146	Y
7	IC 410-452392/19	25.0	11.707397	10.0	2125786.0	0.468296	Y



Calibration / Carbon tetrachloride

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

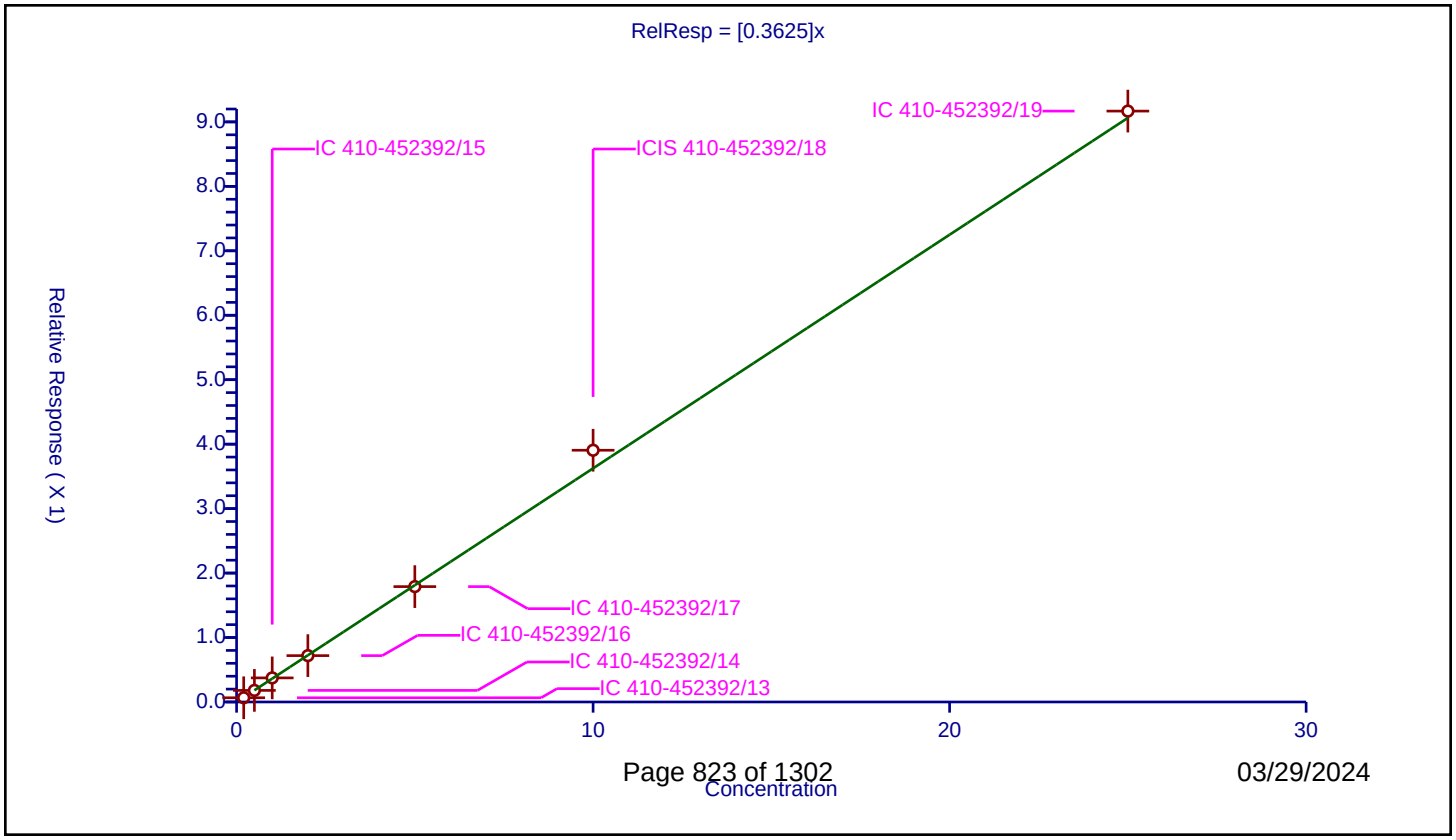
Curve Coefficients

Intercept:	0
Slope:	0.3625

Error Coefficients

Standard Error:	876000
Relative Standard Error:	5.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.065767	10.0	2047394.0	0.328833	Y
2	IC 410-452392/14	0.5	0.179932	10.0	2025434.0	0.359864	Y
3	IC 410-452392/15	1.0	0.373835	10.0	2044405.0	0.373835	Y
4	IC 410-452392/16	2.0	0.719081	10.0	2031703.0	0.359541	Y
5	IC 410-452392/17	5.0	1.790192	10.0	2042373.0	0.358038	Y
6	ICIS 410-452392/18	10.0	3.905888	10.0	2054434.0	0.390589	Y
7	IC 410-452392/19	25.0	9.16787	10.0	2125786.0	0.366715	Y



Calibration / 1,1-Dichloropropene

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

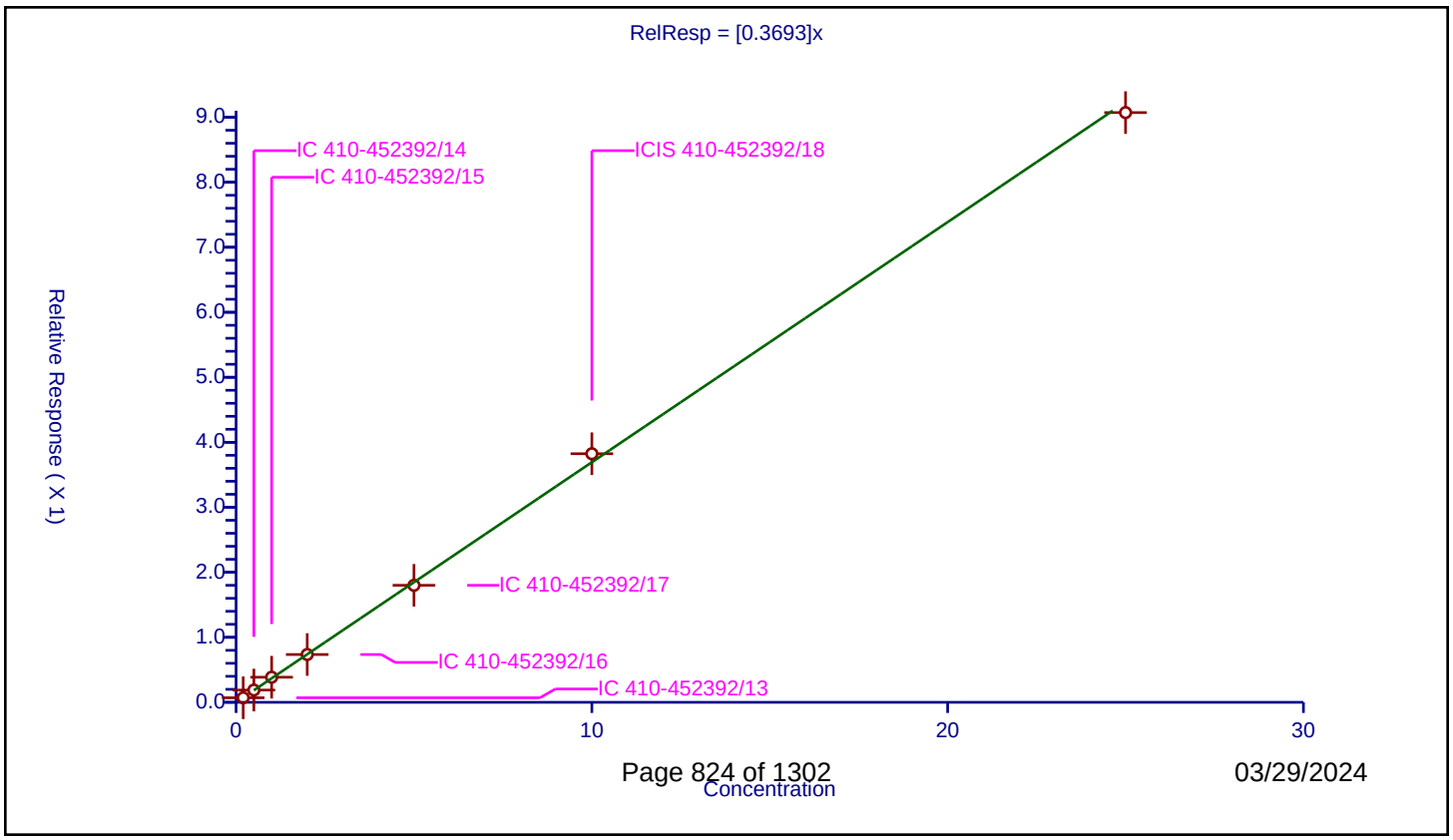
Curve Coefficients

Intercept:	0
Slope:	0.3693

Error Coefficients

Standard Error:	866000
Relative Standard Error:	3.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.069938	10.0	2047394.0	0.349688	Y
2	IC 410-452392/14	0.5	0.188394	10.0	2025434.0	0.376788	Y
3	IC 410-452392/15	1.0	0.386029	10.0	2044405.0	0.386029	Y
4	IC 410-452392/16	2.0	0.735058	10.0	2031703.0	0.367529	Y
5	IC 410-452392/17	5.0	1.799823	10.0	2042373.0	0.359965	Y
6	ICIS 410-452392/18	10.0	3.823924	10.0	2054434.0	0.382392	Y
7	IC 410-452392/19	25.0	9.071567	10.0	2125786.0	0.362863	Y



Calibration / Isobutyl alcohol

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

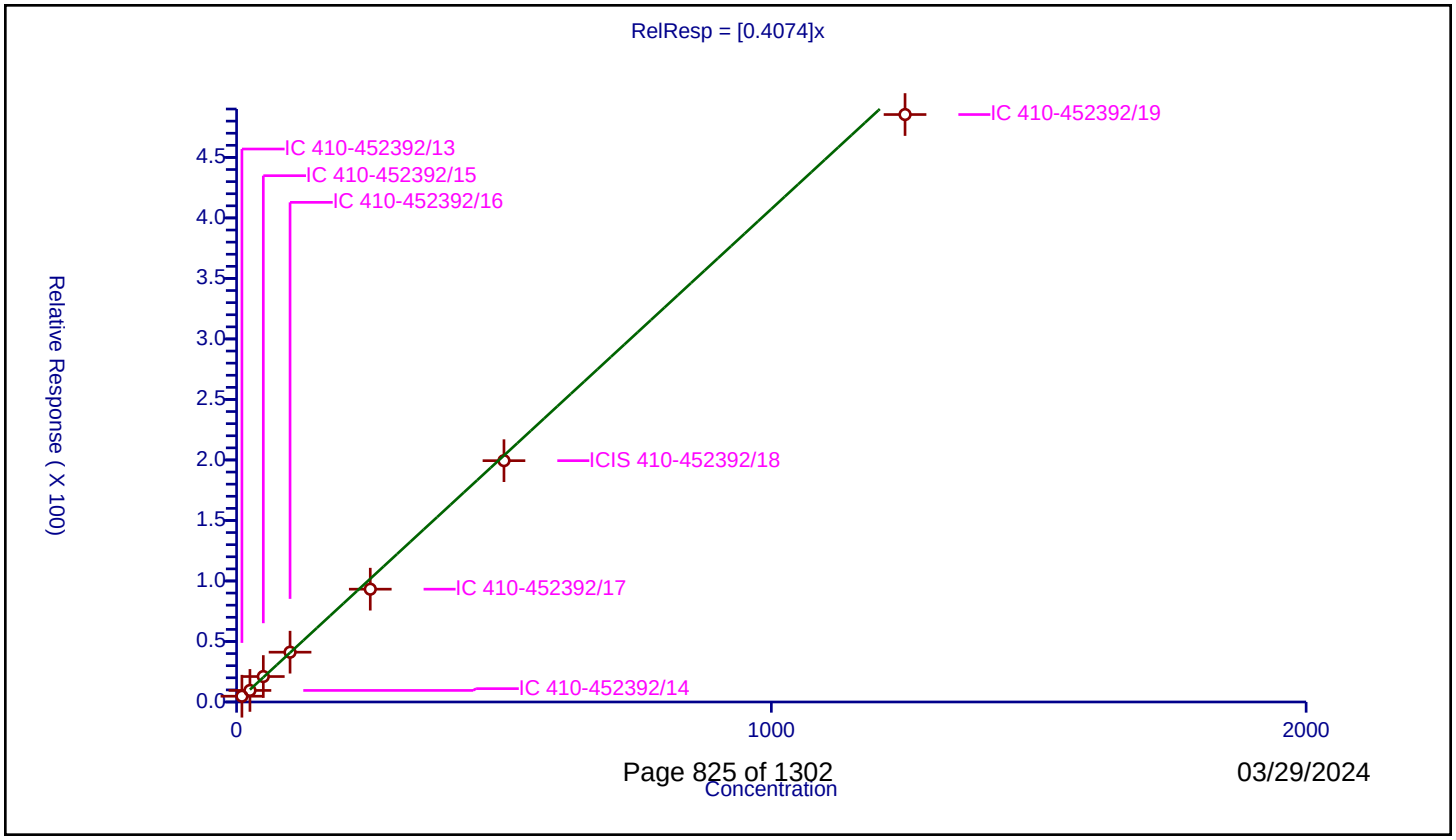
Curve Coefficients

Intercept:	0
Slope:	0.4074

Error Coefficients

Standard Error:	629000
Relative Standard Error:	8.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	10.0	4.774833	50.0	144204.0	0.477483	Y
2	IC 410-452392/14	25.0	9.545728	50.0	141435.0	0.381829	Y
3	IC 410-452392/15	50.0	21.03877	50.0	137066.0	0.420775	Y
4	IC 410-452392/16	100.0	41.145899	50.0	135361.0	0.411459	Y
5	IC 410-452392/17	250.0	93.230548	50.0	137958.0	0.372922	Y
6	ICIS 410-452392/18	500.0	199.422709	50.0	140657.0	0.398845	Y
7	IC 410-452392/19	1250.0	485.444304	50.0	144957.0	0.388355	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

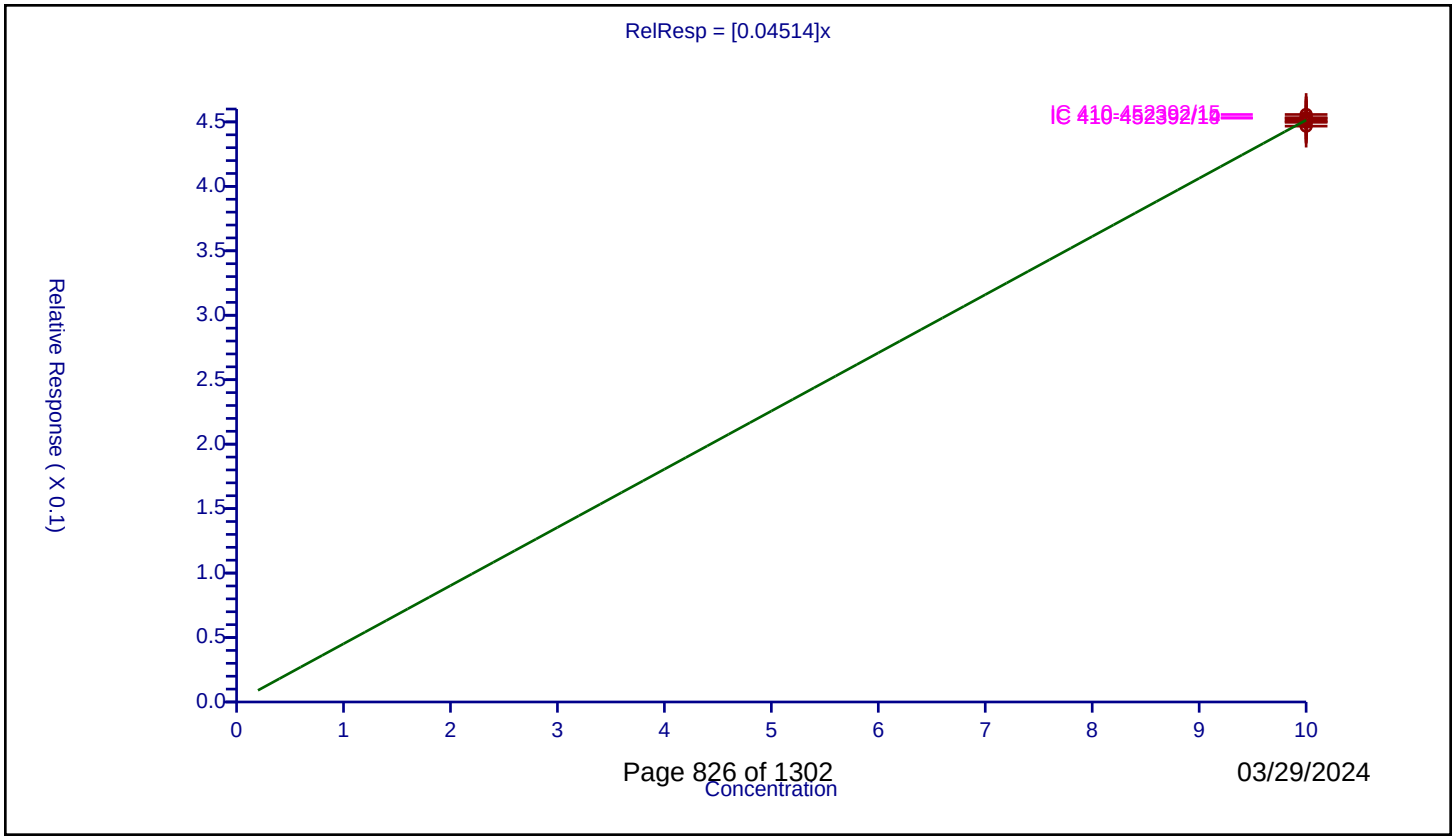
Curve Coefficients

Intercept:	0
Slope:	0.04514

Error Coefficients

Standard Error:	100000
Relative Standard Error:	0.6
Correlation Coefficient:	0.00000000000000000000
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	10.0	0.450231	10.0	2047394.0	0.045023	Y
2	IC 410-452392/14	10.0	0.452915	10.0	2025434.0	0.045292	Y
3	IC 410-452392/15	10.0	0.455751	10.0	2044405.0	0.045575	Y
4	IC 410-452392/16	10.0	0.451252	10.0	2031703.0	0.045125	Y
5	IC 410-452392/17	10.0	0.446711	10.0	2042373.0	0.044671	Y
6	ICIS 410-452392/18	10.0	0.449657	10.0	2054434.0	0.044966	Y
7	IC 410-452392/19	10.0	0.45323	10.0	2125786.0	0.045323	Y



Calibration / Benzene

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

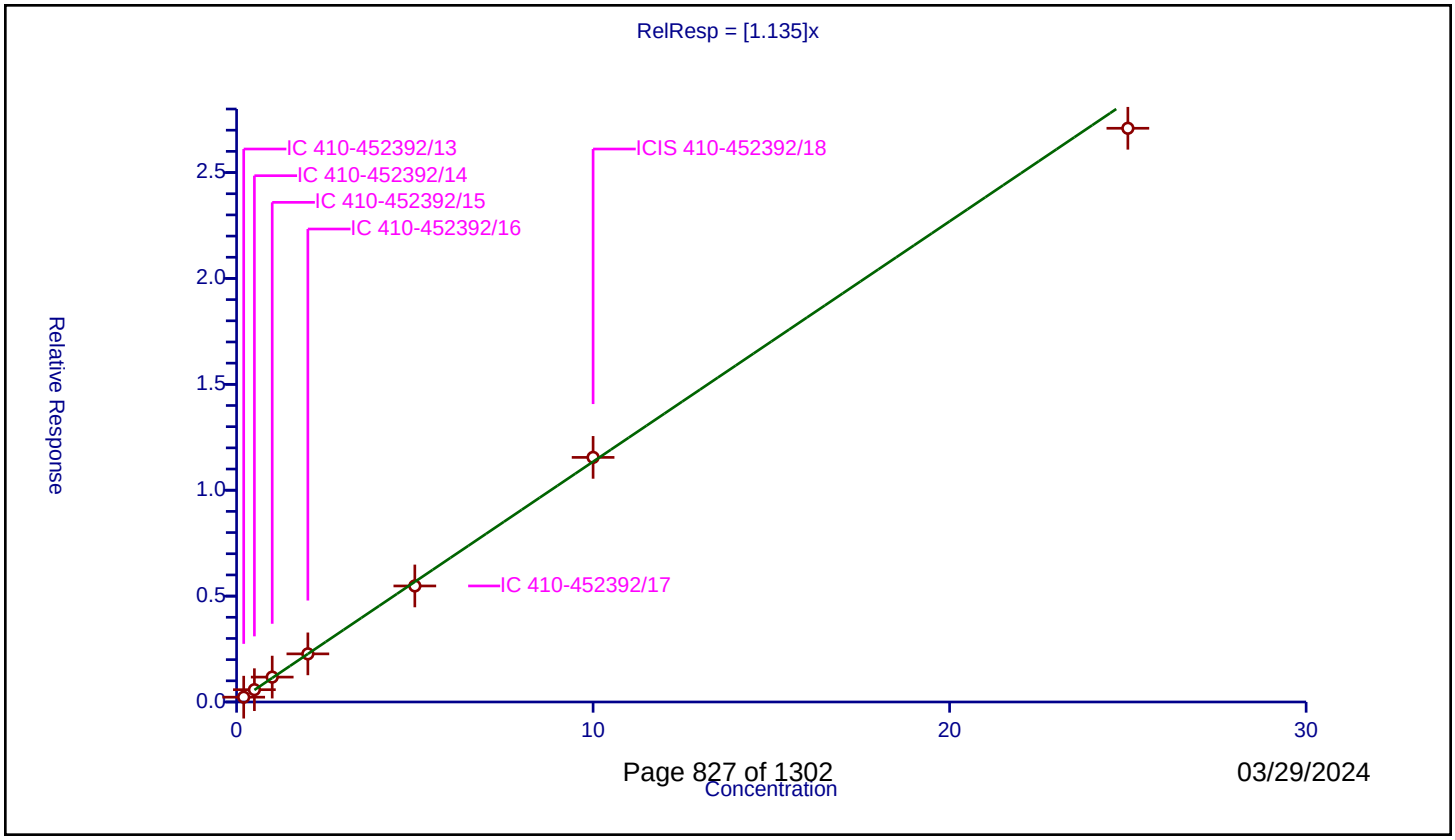
Curve Coefficients

Intercept:	0
Slope:	1.135

Error Coefficients

Standard Error:	2590000
Relative Standard Error:	3.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.226981	10.0	2047394.0	1.134906	Y
2	IC 410-452392/14	0.5	0.581016	10.0	2025434.0	1.162032	Y
3	IC 410-452392/15	1.0	1.175834	10.0	2044405.0	1.175834	Y
4	IC 410-452392/16	2.0	2.272419	10.0	2031703.0	1.136209	Y
5	IC 410-452392/17	5.0	5.479685	10.0	2042373.0	1.095937	Y
6	ICIS 410-452392/18	10.0	11.550116	10.0	2054434.0	1.155012	Y
7	IC 410-452392/19	25.0	27.090921	10.0	2125786.0	1.083637	Y



Calibration / 1,2-Dichloroethane

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

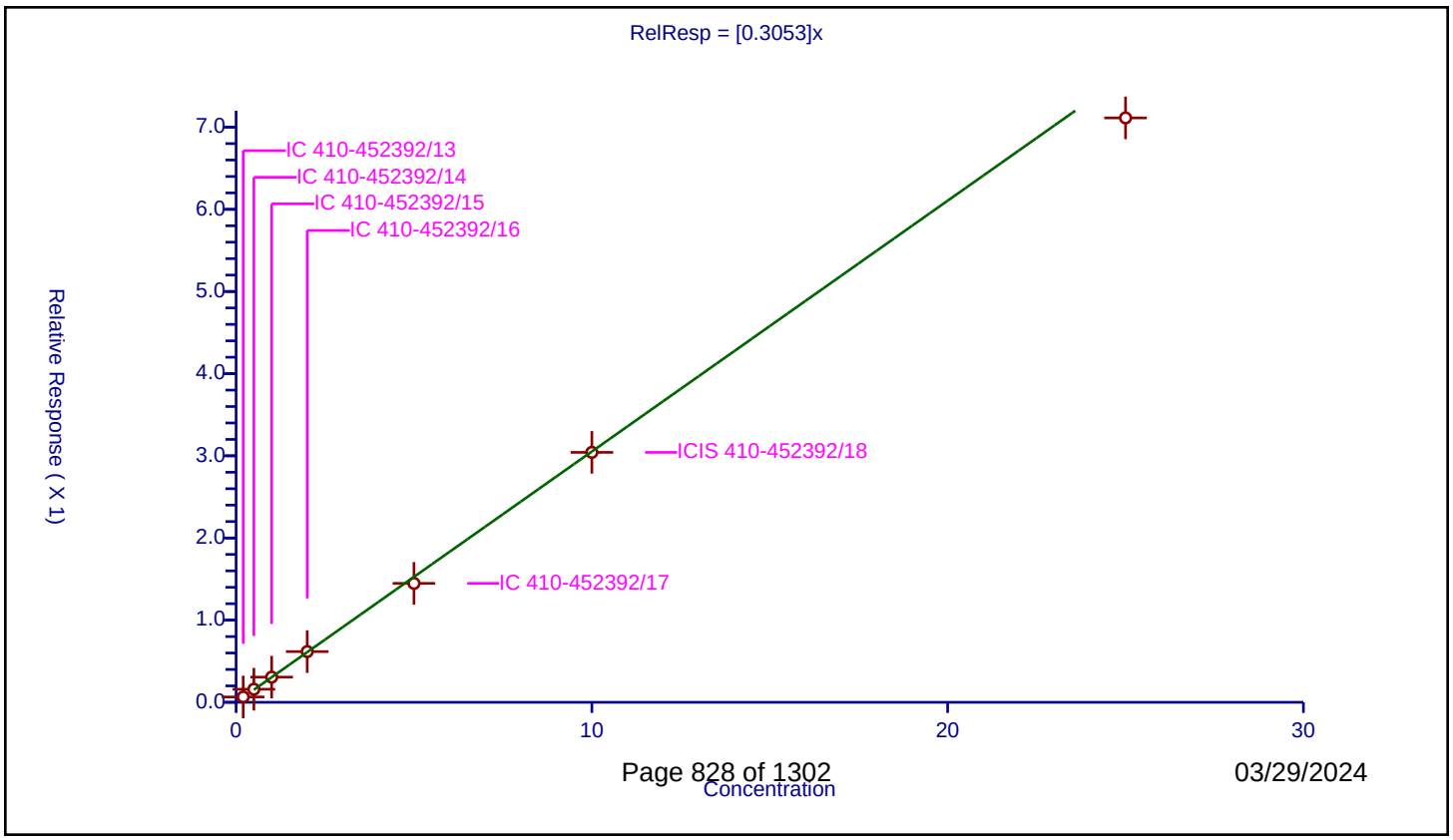
Curve Coefficients

Intercept:	0
Slope:	0.3053

Error Coefficients

Standard Error:	681000
Relative Standard Error:	4.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.065034	10.0	2047394.0	0.325169	Y
2	IC 410-452392/14	0.5	0.159171	10.0	2025434.0	0.318342	Y
3	IC 410-452392/15	1.0	0.306412	10.0	2044405.0	0.306412	Y
4	IC 410-452392/16	2.0	0.617275	10.0	2031703.0	0.308638	Y
5	IC 410-452392/17	5.0	1.447385	10.0	2042373.0	0.289477	Y
6	ICIS 410-452392/18	10.0	3.042264	10.0	2054434.0	0.304226	Y
7	IC 410-452392/19	25.0	7.113044	10.0	2125786.0	0.284522	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

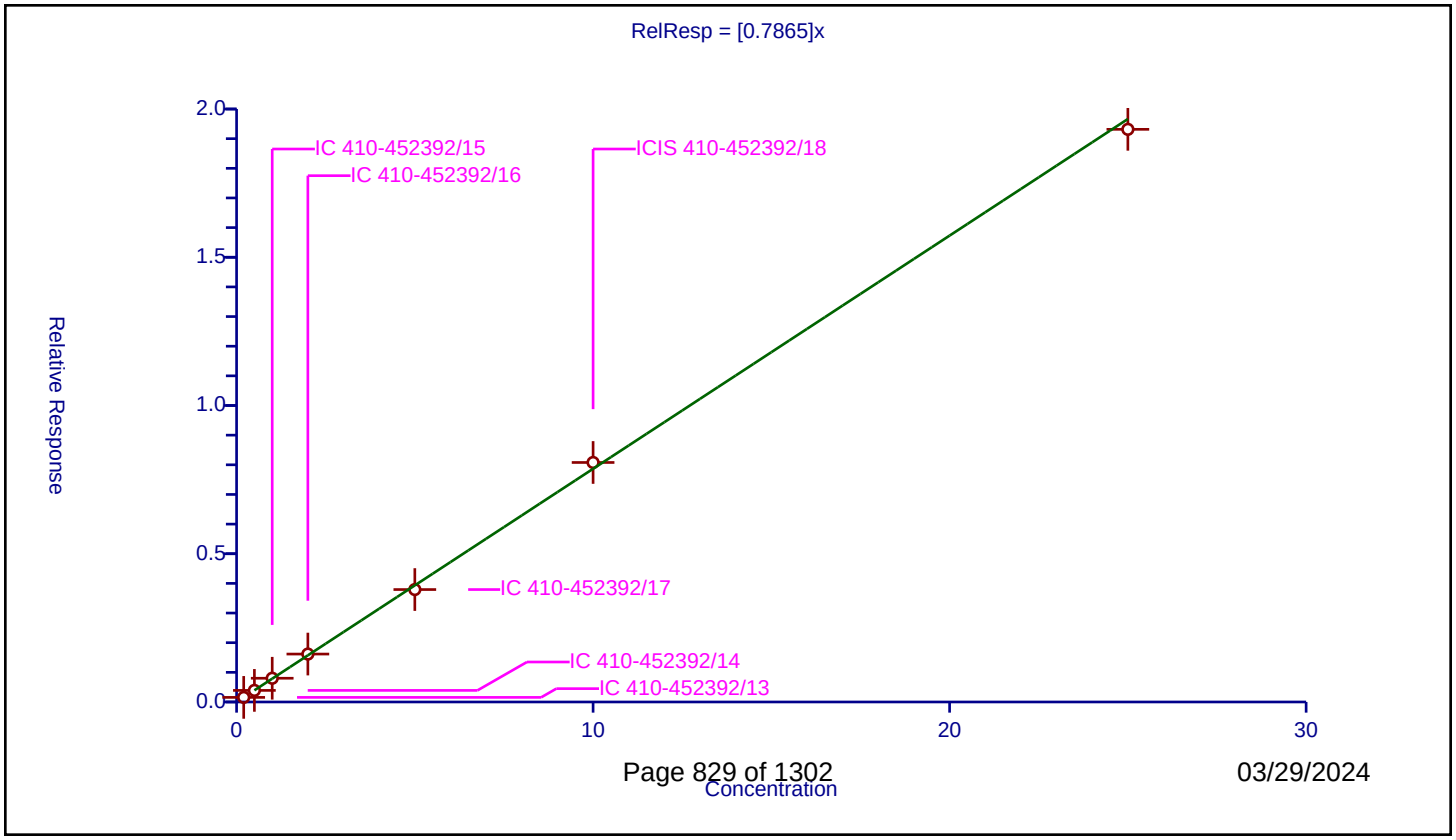
Curve Coefficients

Intercept:	0
Slope:	0.7865

Error Coefficients

Standard Error:	1840000
Relative Standard Error:	2.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.155261	10.0	2047394.0	0.776304	Y
2	IC 410-452392/14	0.5	0.390751	10.0	2025434.0	0.781502	Y
3	IC 410-452392/15	1.0	0.800918	10.0	2044405.0	0.800918	Y
4	IC 410-452392/16	2.0	1.616309	10.0	2031703.0	0.808155	Y
5	IC 410-452392/17	5.0	3.792138	10.0	2042373.0	0.758428	Y
6	ICIS 410-452392/18	10.0	8.078069	10.0	2054434.0	0.807807	Y
7	IC 410-452392/19	25.0	19.314254	10.0	2125786.0	0.77257	Y



Calibration / n-Heptane

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

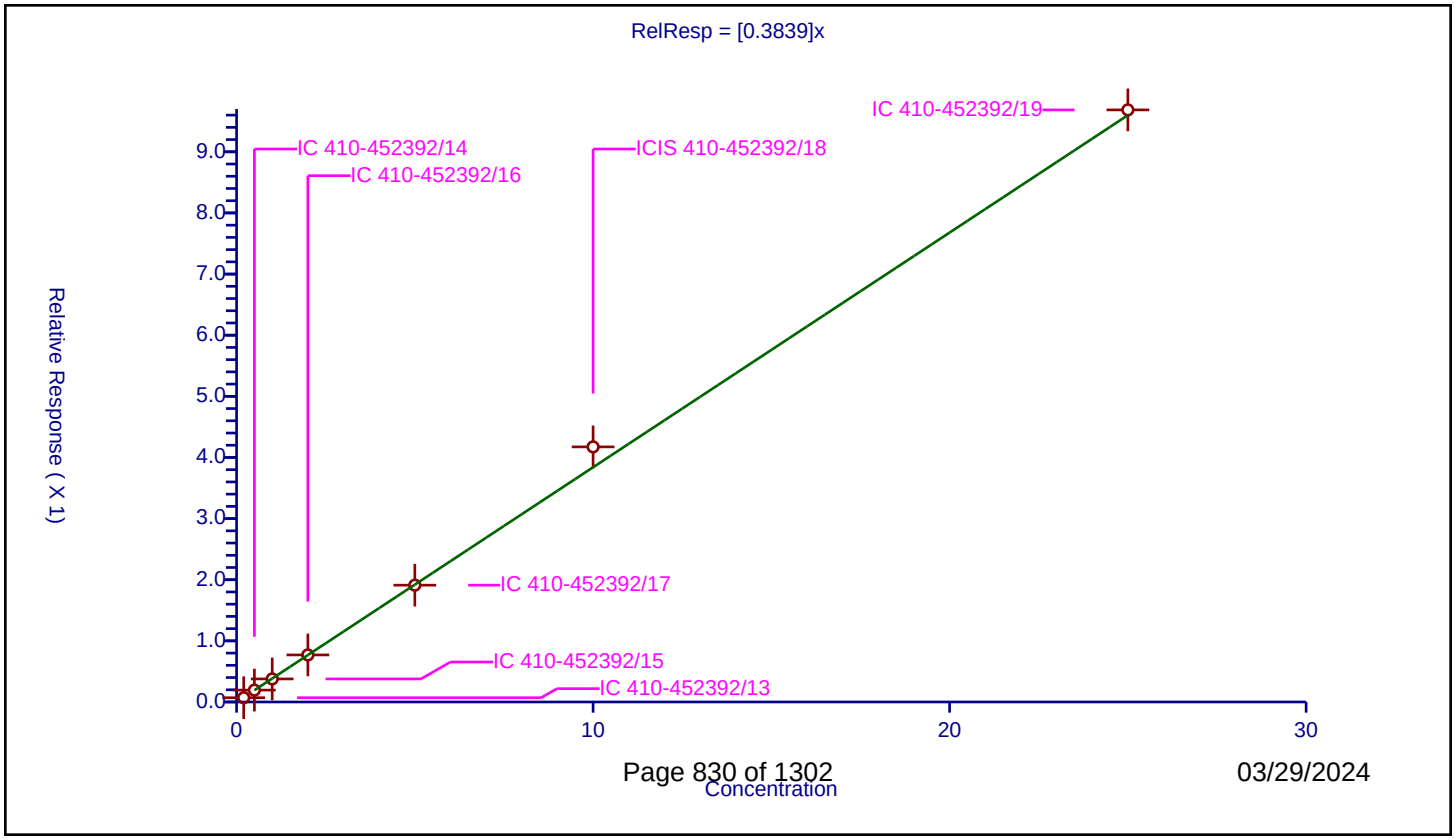
Curve Coefficients

Intercept:	0
Slope:	0.3839

Error Coefficients

Standard Error:	927000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.070055	10.0	2047394.0	0.350275	Y
2	IC 410-452392/14	0.5	0.194195	10.0	2025434.0	0.388391	Y
3	IC 410-452392/15	1.0	0.376985	10.0	2044405.0	0.376985	Y
4	IC 410-452392/16	2.0	0.769876	10.0	2031703.0	0.384938	Y
5	IC 410-452392/17	5.0	1.911066	10.0	2042373.0	0.382213	Y
6	ICIS 410-452392/18	10.0	4.173057	10.0	2054434.0	0.417306	Y
7	IC 410-452392/19	25.0	9.68566	10.0	2125786.0	0.387426	Y



Calibration / n-Butanol

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

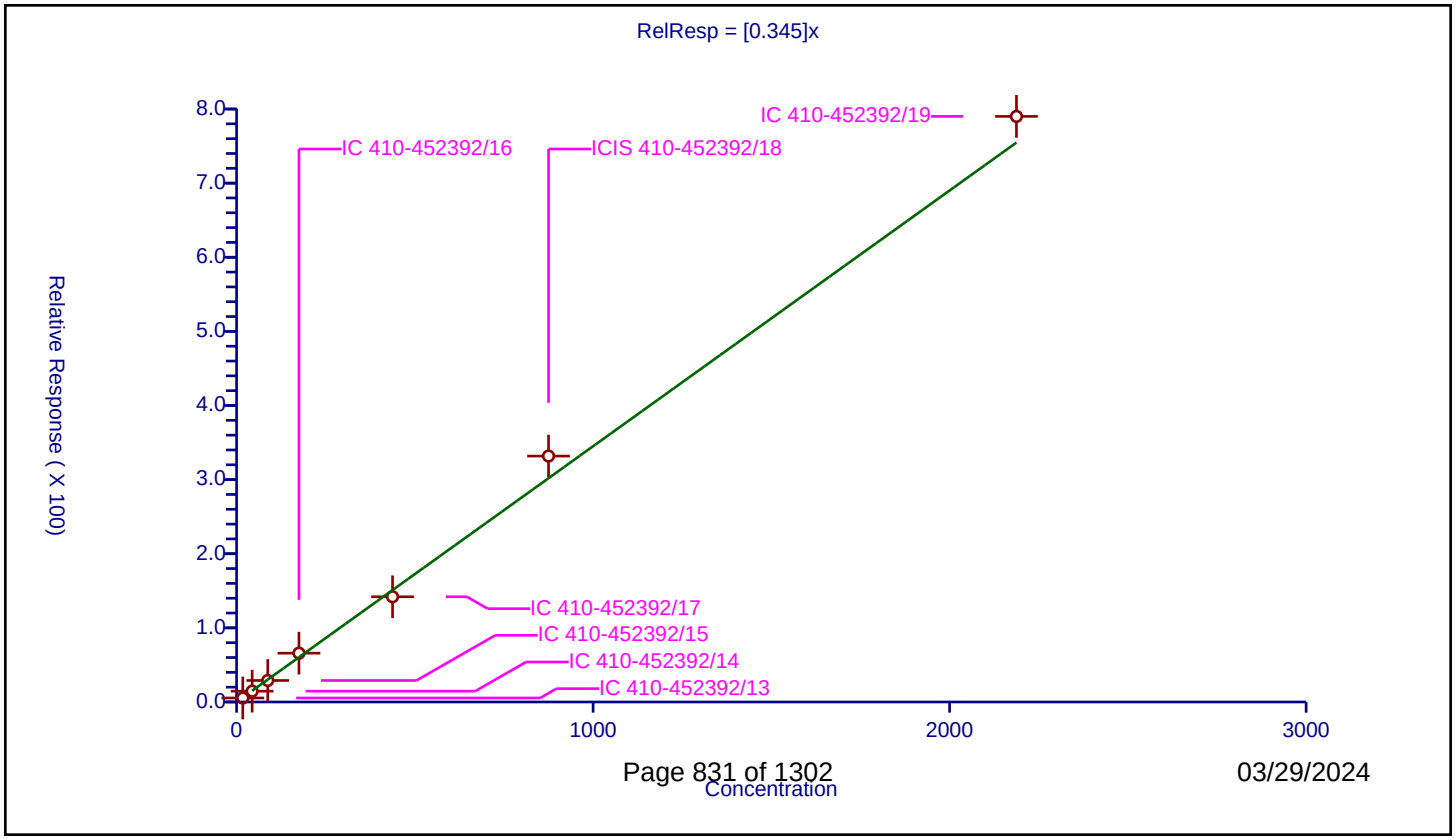
Curve Coefficients

Intercept:	0
Slope:	0.345

Error Coefficients

Standard Error:	1030000
Relative Standard Error:	7.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	17.5	5.398255	50.0	144204.0	0.308472	Y
2	IC 410-452392/14	43.75	14.603175	50.0	141435.0	0.333787	Y
3	IC 410-452392/15	87.5	29.018137	50.0	137066.0	0.331636	Y
4	IC 410-452392/16	175.0	65.87274	50.0	135361.0	0.376416	Y
5	IC 410-452392/17	437.5	141.952261	50.0	137958.0	0.324462	Y
6	ICIS 410-452392/18	875.0	331.772681	50.0	140657.0	0.379169	Y
7	IC 410-452392/19	2187.5	790.026353	50.0	144957.0	0.361155	Y



Calibration / Trichloroethene

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

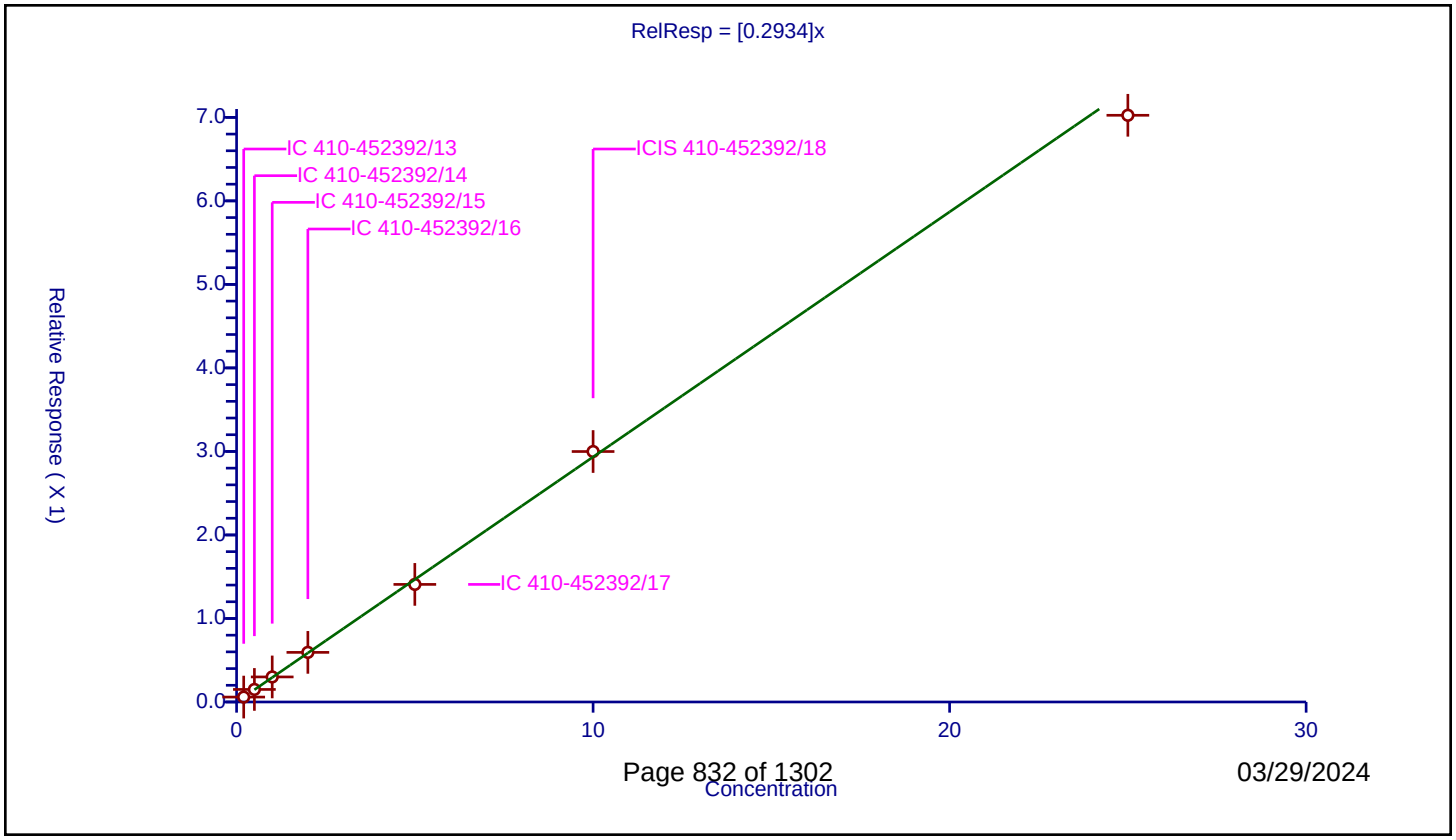
Curve Coefficients

Intercept:	0
Slope:	0.2934

Error Coefficients

Standard Error:	672000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.058758	10.0	2047394.0	0.293788	Y
2	IC 410-452392/14	0.5	0.150363	10.0	2025434.0	0.300726	Y
3	IC 410-452392/15	1.0	0.299897	10.0	2044405.0	0.299897	Y
4	IC 410-452392/16	2.0	0.594029	10.0	2031703.0	0.297014	Y
5	IC 410-452392/17	5.0	1.407779	10.0	2042373.0	0.281556	Y
6	ICIS 410-452392/18	10.0	2.998948	10.0	2054434.0	0.299895	Y
7	IC 410-452392/19	25.0	7.025049	10.0	2125786.0	0.281002	Y



Calibration / Methylcyclohexane

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

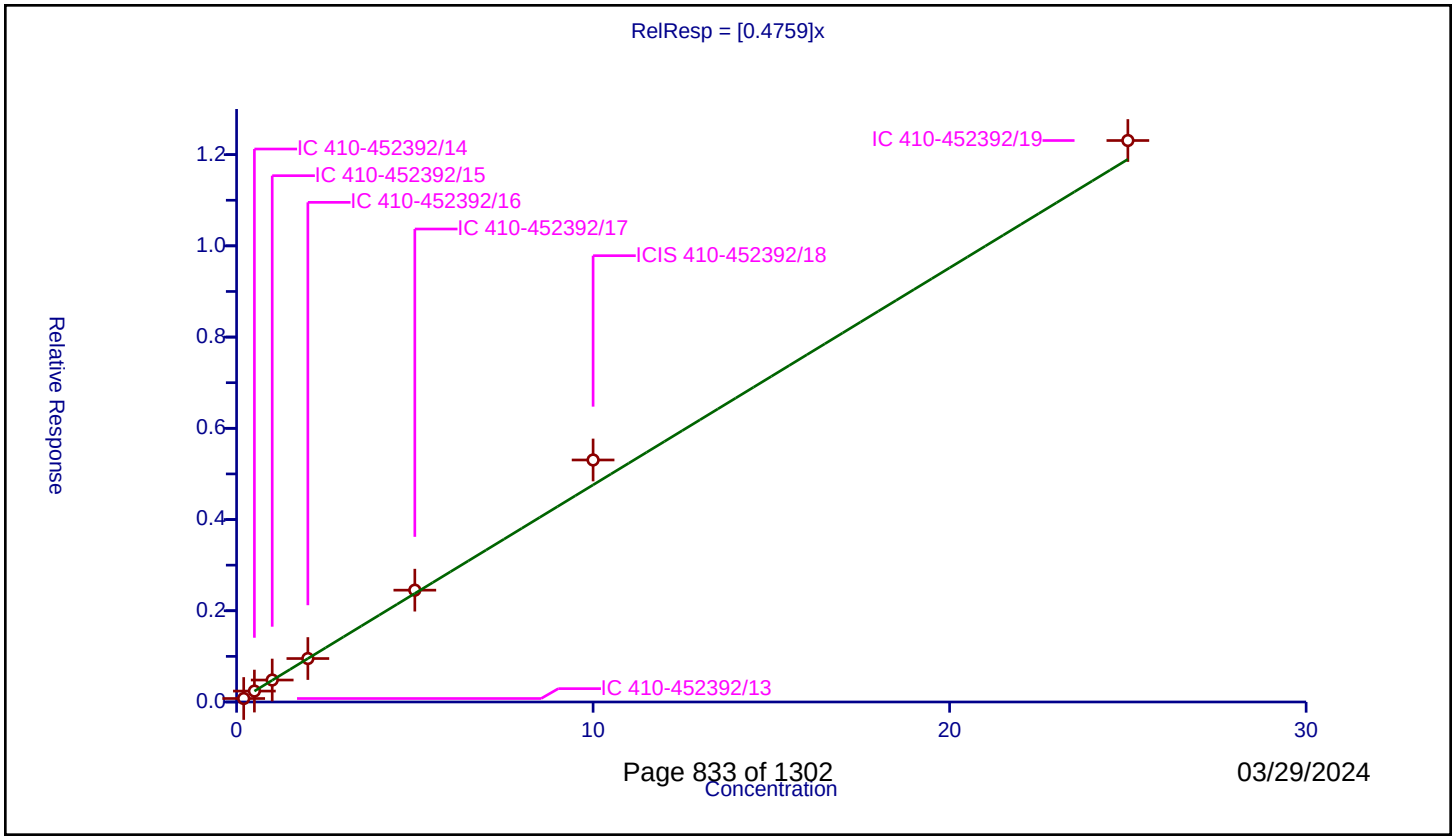
Curve Coefficients

Intercept:	0
Slope:	0.4759

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	9.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.076404	10.0	2047394.0	0.382022	Y
2	IC 410-452392/14	0.5	0.239228	10.0	2025434.0	0.478455	Y
3	IC 410-452392/15	1.0	0.481363	10.0	2044405.0	0.481363	Y
4	IC 410-452392/16	2.0	0.952565	10.0	2031703.0	0.476283	Y
5	IC 410-452392/17	5.0	2.451888	10.0	2042373.0	0.490378	Y
6	ICIS 410-452392/18	10.0	5.305466	10.0	2054434.0	0.530547	Y
7	IC 410-452392/19	25.0	12.309485	10.0	2125786.0	0.492379	Y



Calibration / 1,2-Dichloropropane

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

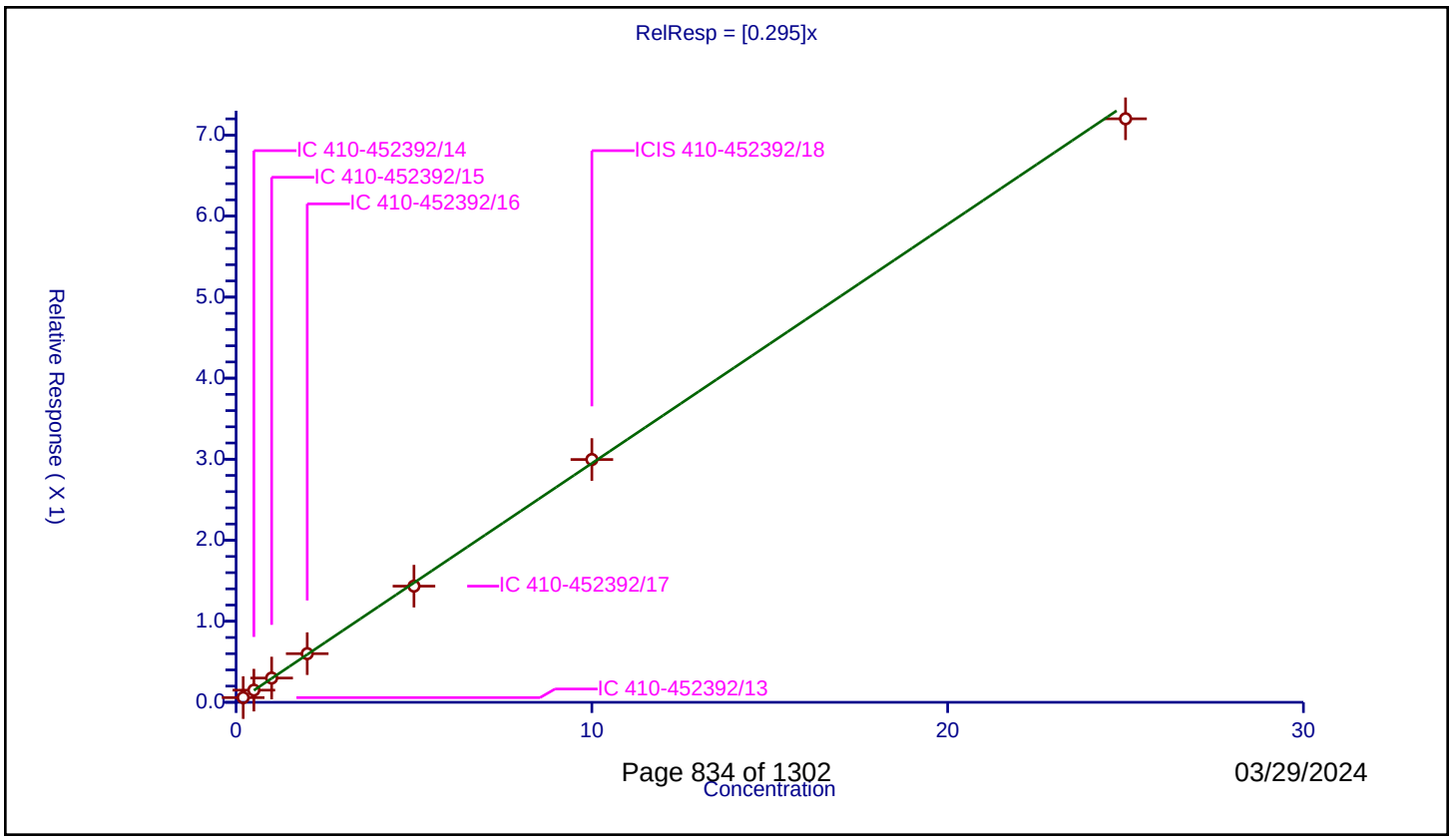
Curve Coefficients

Intercept:	0
Slope:	0.295

Error Coefficients

Standard Error:	686000
Relative Standard Error:	2.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.058035	10.0	2047394.0	0.290174	Y
2	IC 410-452392/14	0.5	0.150185	10.0	2025434.0	0.30037	Y
3	IC 410-452392/15	1.0	0.299657	10.0	2044405.0	0.299657	Y
4	IC 410-452392/16	2.0	0.60027	10.0	2031703.0	0.300135	Y
5	IC 410-452392/17	5.0	1.433489	10.0	2042373.0	0.286698	Y
6	ICIS 410-452392/18	10.0	2.996271	10.0	2054434.0	0.299627	Y
7	IC 410-452392/19	25.0	7.200941	10.0	2125786.0	0.288038	Y



Calibration / 1,4-Dioxane

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

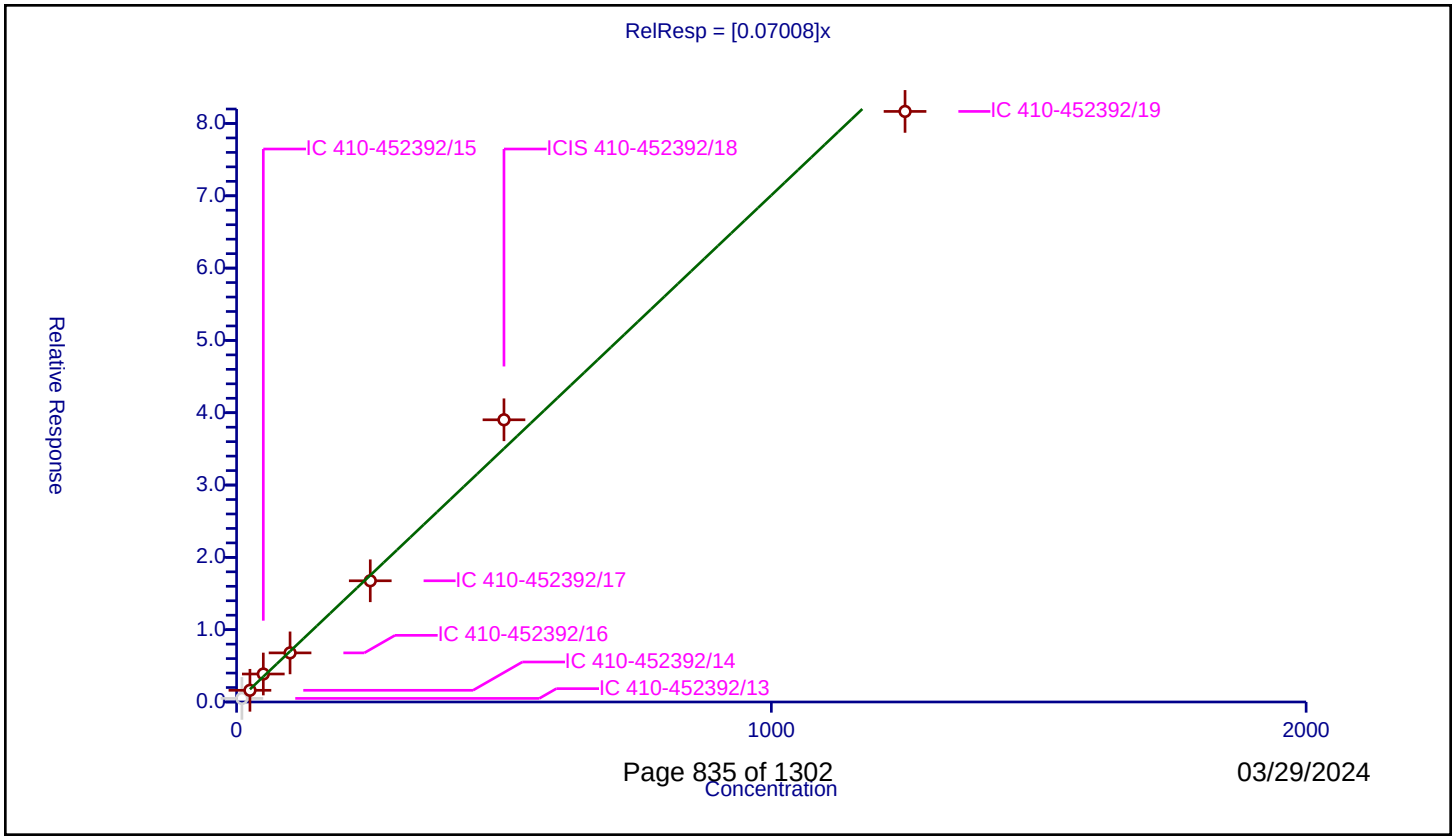
Curve Coefficients

Intercept:	0
Slope:	0.07008

Error Coefficients

Standard Error:	119000
Relative Standard Error:	8.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	10.0	0.494438	50.0	144204.0	0.049444	N
2	IC 410-452392/14	25.0	1.618765	50.0	141435.0	0.064751	Y
3	IC 410-452392/15	50.0	3.869669	50.0	137066.0	0.077393	Y
4	IC 410-452392/16	100.0	6.789991	50.0	135361.0	0.0679	Y
5	IC 410-452392/17	250.0	16.761623	50.0	137958.0	0.067046	Y
6	ICIS 410-452392/18	500.0	39.023653	50.0	140657.0	0.078047	Y
7	IC 410-452392/19	1250.0	81.667667	50.0	144957.0	0.065334	Y



Calibration / Dibromomethane

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

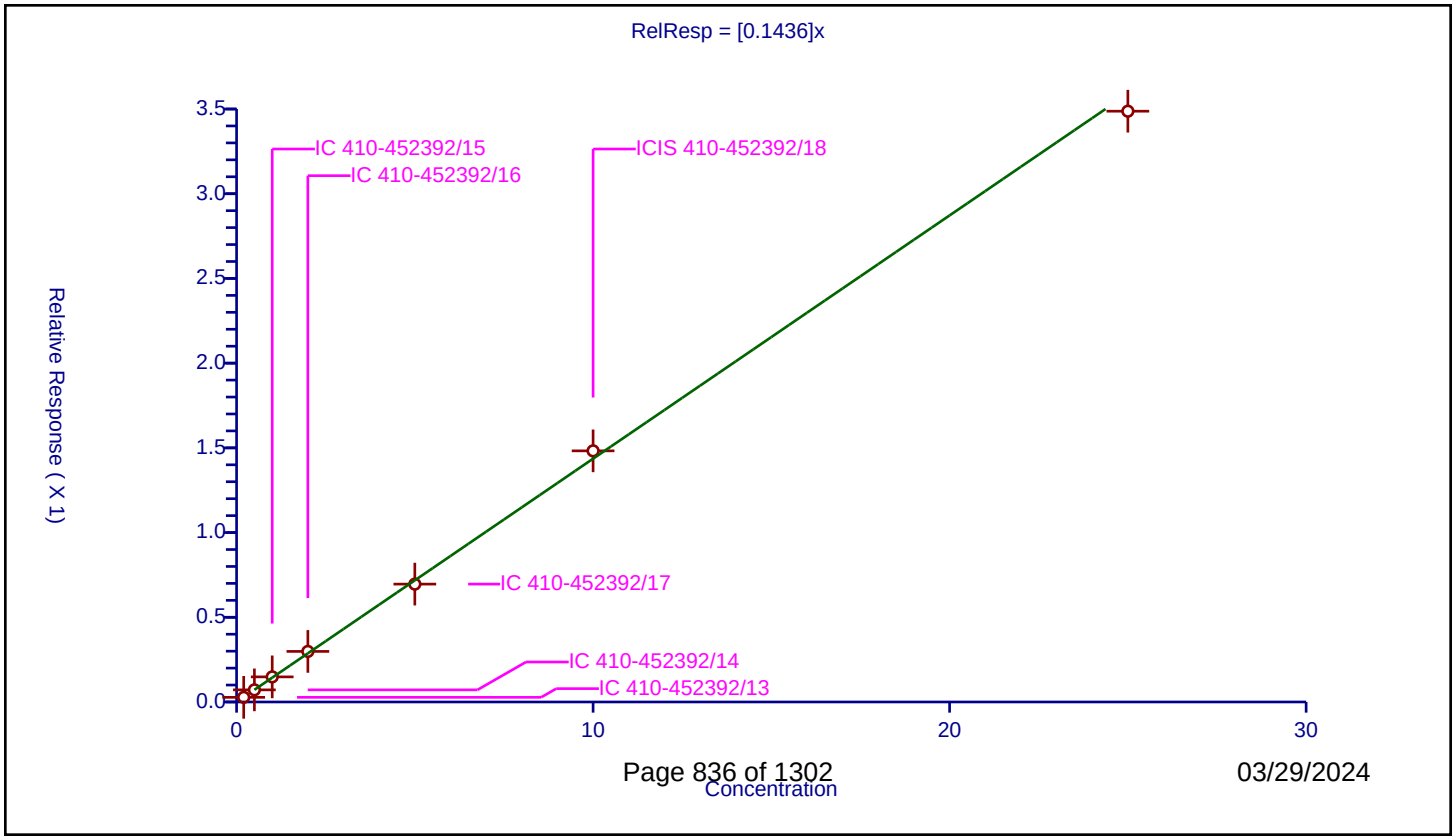
Curve Coefficients

Intercept:	0
Slope:	0.1436

Error Coefficients

Standard Error:	333000
Relative Standard Error:	3.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.027528	10.0	2047394.0	0.137638	Y
2	IC 410-452392/14	0.5	0.071614	10.0	2025434.0	0.143229	Y
3	IC 410-452392/15	1.0	0.148249	10.0	2044405.0	0.148249	Y
4	IC 410-452392/16	2.0	0.298439	10.0	2031703.0	0.14922	Y
5	IC 410-452392/17	5.0	0.69574	10.0	2042373.0	0.139148	Y
6	ICIS 410-452392/18	10.0	1.482282	10.0	2054434.0	0.148228	Y
7	IC 410-452392/19	25.0	3.487162	10.0	2125786.0	0.139486	Y



Calibration / Methyl methacrylate

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

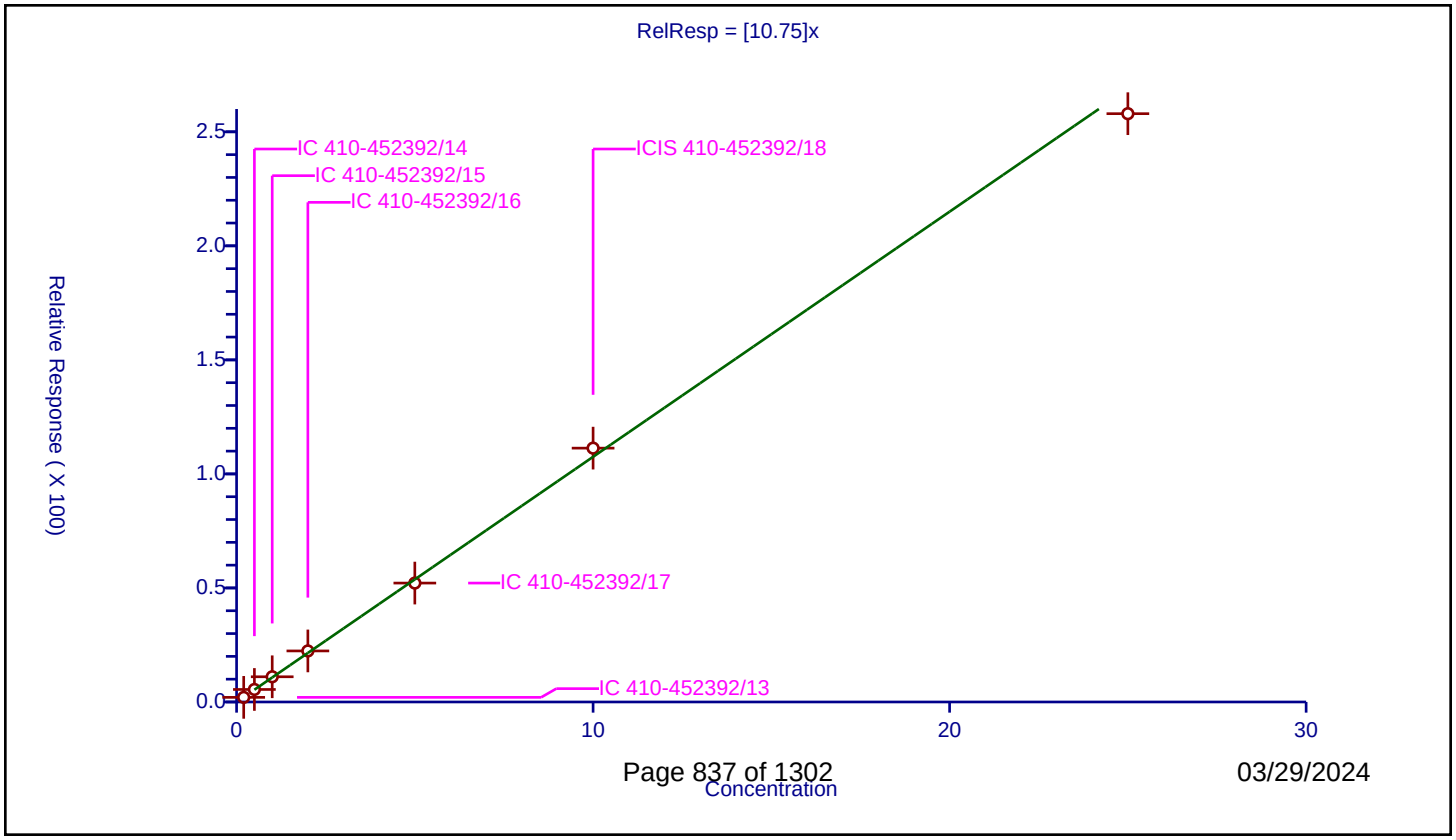
Curve Coefficients

Intercept:	0
Slope:	10.75

Error Coefficients

Standard Error:	337000
Relative Standard Error:	4.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	2.025949	50.0	144204.0	10.129747	Y
2	IC 410-452392/14	0.5	5.49369	50.0	141435.0	10.987379	Y
3	IC 410-452392/15	1.0	11.059271	50.0	137066.0	11.059271	Y
4	IC 410-452392/16	2.0	22.382739	50.0	135361.0	11.19137	Y
5	IC 410-452392/17	5.0	52.145943	50.0	137958.0	10.429189	Y
6	ICIS 410-452392/18	10.0	111.310848	50.0	140657.0	11.131085	Y
7	IC 410-452392/19	25.0	257.956842	50.0	144957.0	10.318274	Y



Calibration / Dichlorobromomethane

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

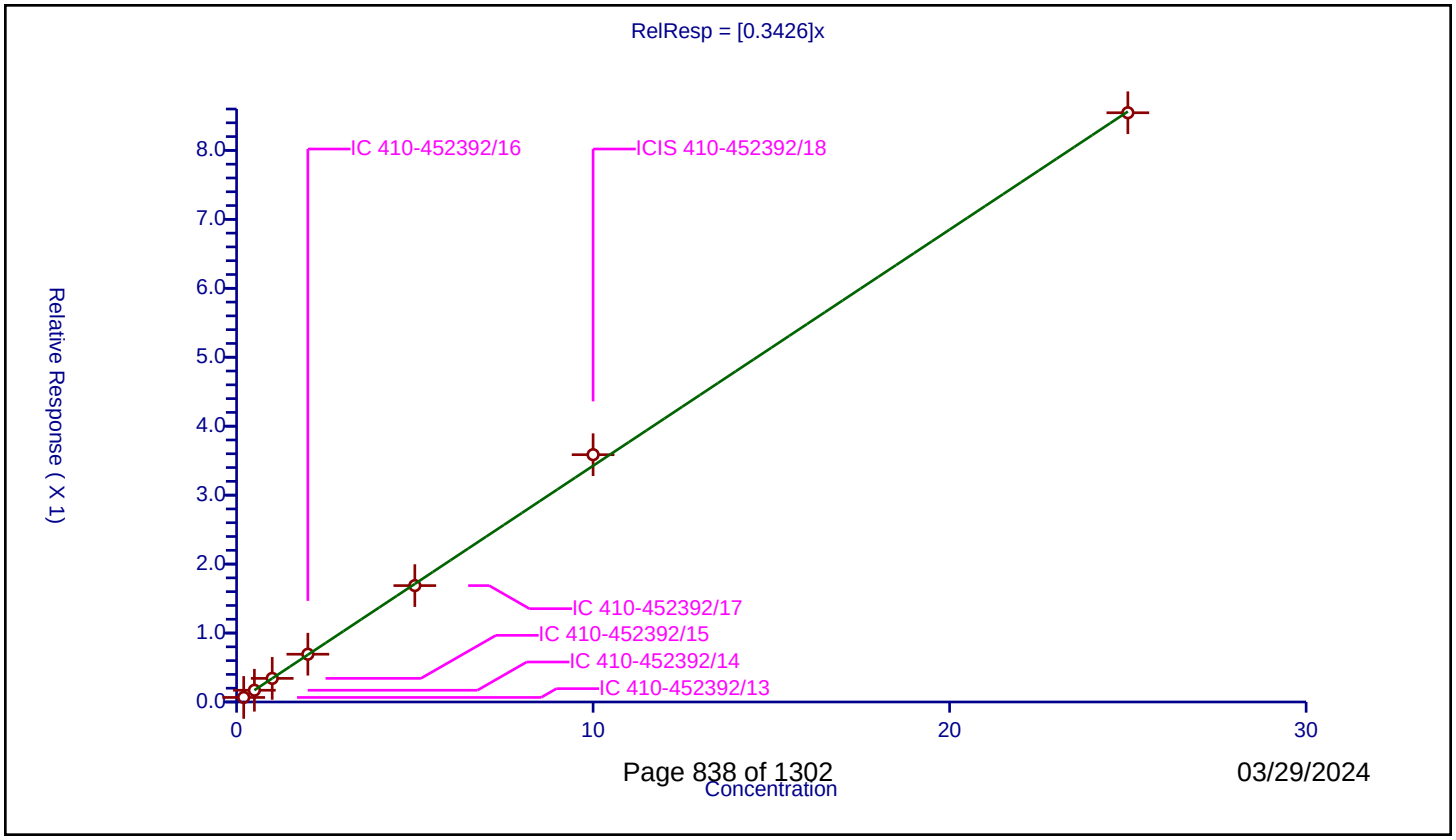
Curve Coefficients

Intercept:	0
Slope:	0.3426

Error Coefficients

Standard Error:	815000
Relative Standard Error:	2.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.065986	10.0	2047394.0	0.329932	Y
2	IC 410-452392/14	0.5	0.170393	10.0	2025434.0	0.340786	Y
3	IC 410-452392/15	1.0	0.342515	10.0	2044405.0	0.342515	Y
4	IC 410-452392/16	2.0	0.693044	10.0	2031703.0	0.346522	Y
5	IC 410-452392/17	5.0	1.688095	10.0	2042373.0	0.337619	Y
6	ICIS 410-452392/18	10.0	3.586579	10.0	2054434.0	0.358658	Y
7	IC 410-452392/19	25.0	8.54578	10.0	2125786.0	0.341831	Y



Calibration / 2-Nitropropane

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

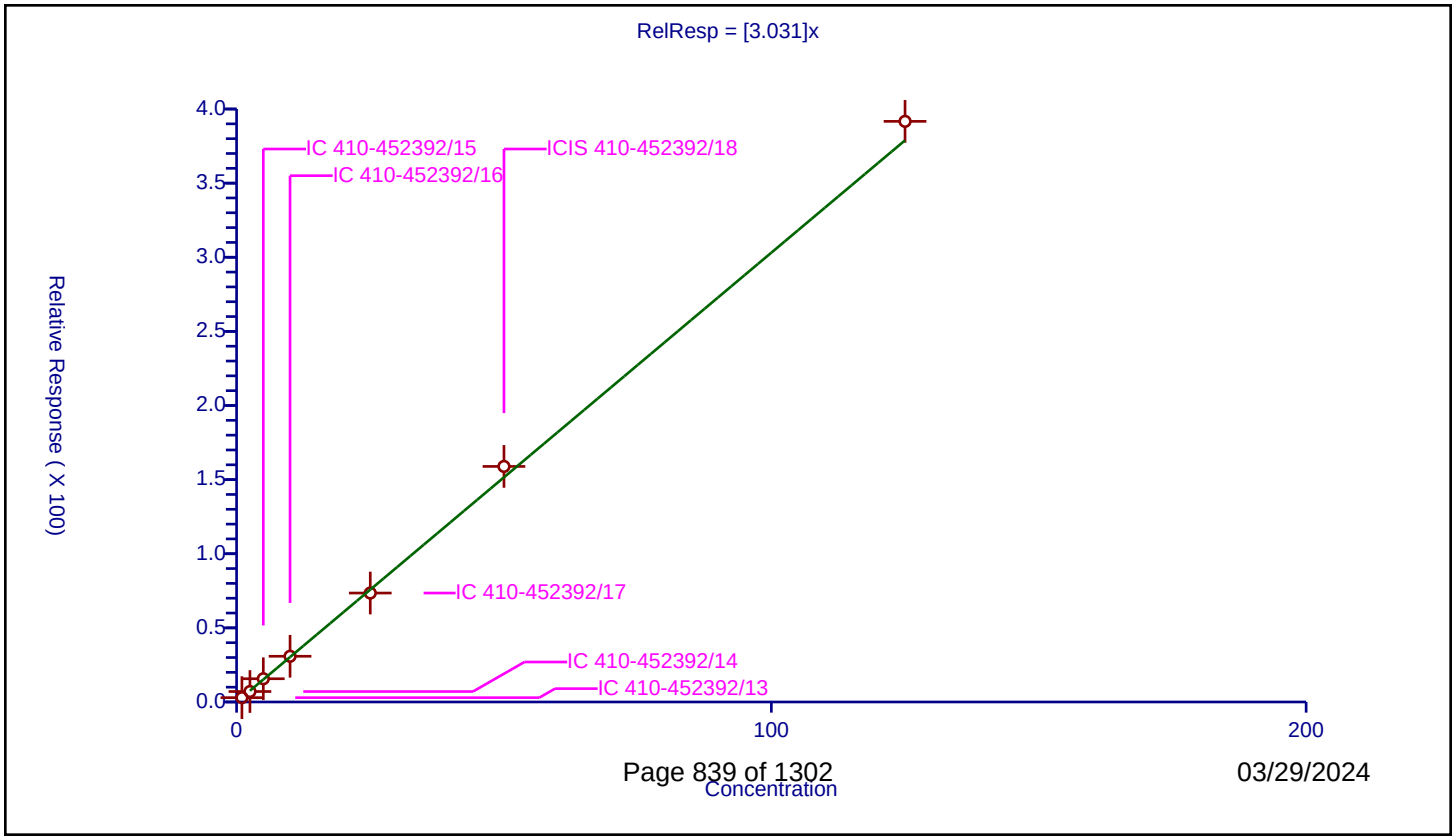
Curve Coefficients

Intercept:	0
Slope:	3.031

Error Coefficients

Standard Error:	506000
Relative Standard Error:	4.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	1.0	2.920515	50.0	144204.0	2.920515	Y
2	IC 410-452392/14	2.5	7.067204	50.0	141435.0	2.826882	Y
3	IC 410-452392/15	5.0	15.676025	50.0	137066.0	3.135205	Y
4	IC 410-452392/16	10.0	30.834583	50.0	135361.0	3.083458	Y
5	IC 410-452392/17	25.0	73.483234	50.0	137958.0	2.939329	Y
6	ICIS 410-452392/18	50.0	158.897531	50.0	140657.0	3.177951	Y
7	IC 410-452392/19	125.0	391.677187	50.0	144957.0	3.133417	Y



Calibration / 1-Bromo-2-chloroethane

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

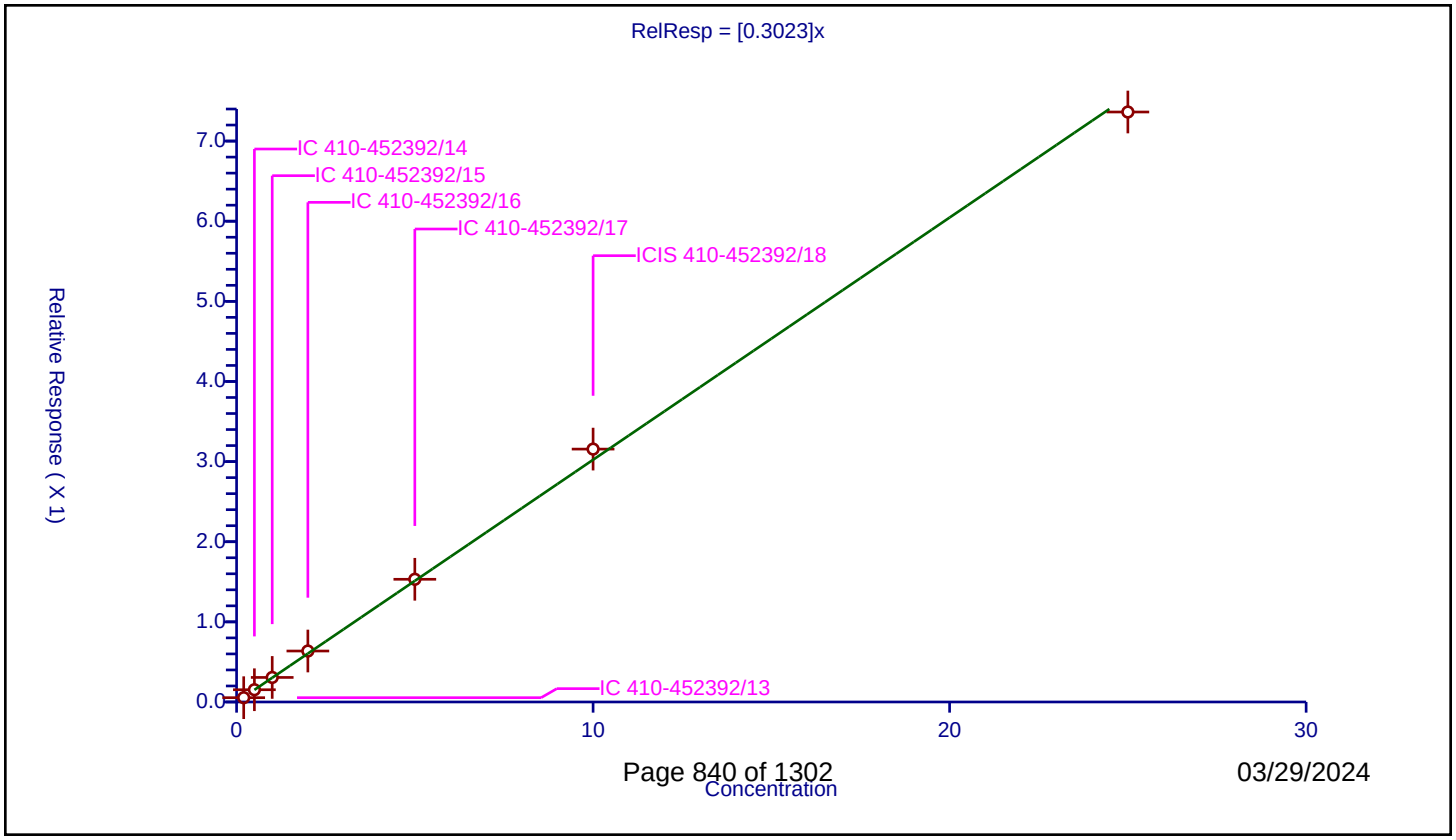
Curve Coefficients

Intercept:	0
Slope:	0.3023

Error Coefficients

Standard Error:	706000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.053883	10.0	2047394.0	0.269416	Y
2	IC 410-452392/14	0.5	0.15295	10.0	2025434.0	0.3059	Y
3	IC 410-452392/15	1.0	0.306202	10.0	2044405.0	0.306202	Y
4	IC 410-452392/16	2.0	0.636018	10.0	2031703.0	0.318009	Y
5	IC 410-452392/17	5.0	1.531366	10.0	2042373.0	0.306273	Y
6	ICIS 410-452392/18	10.0	3.155857	10.0	2054434.0	0.315586	Y
7	IC 410-452392/19	25.0	7.36259	10.0	2125786.0	0.294504	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

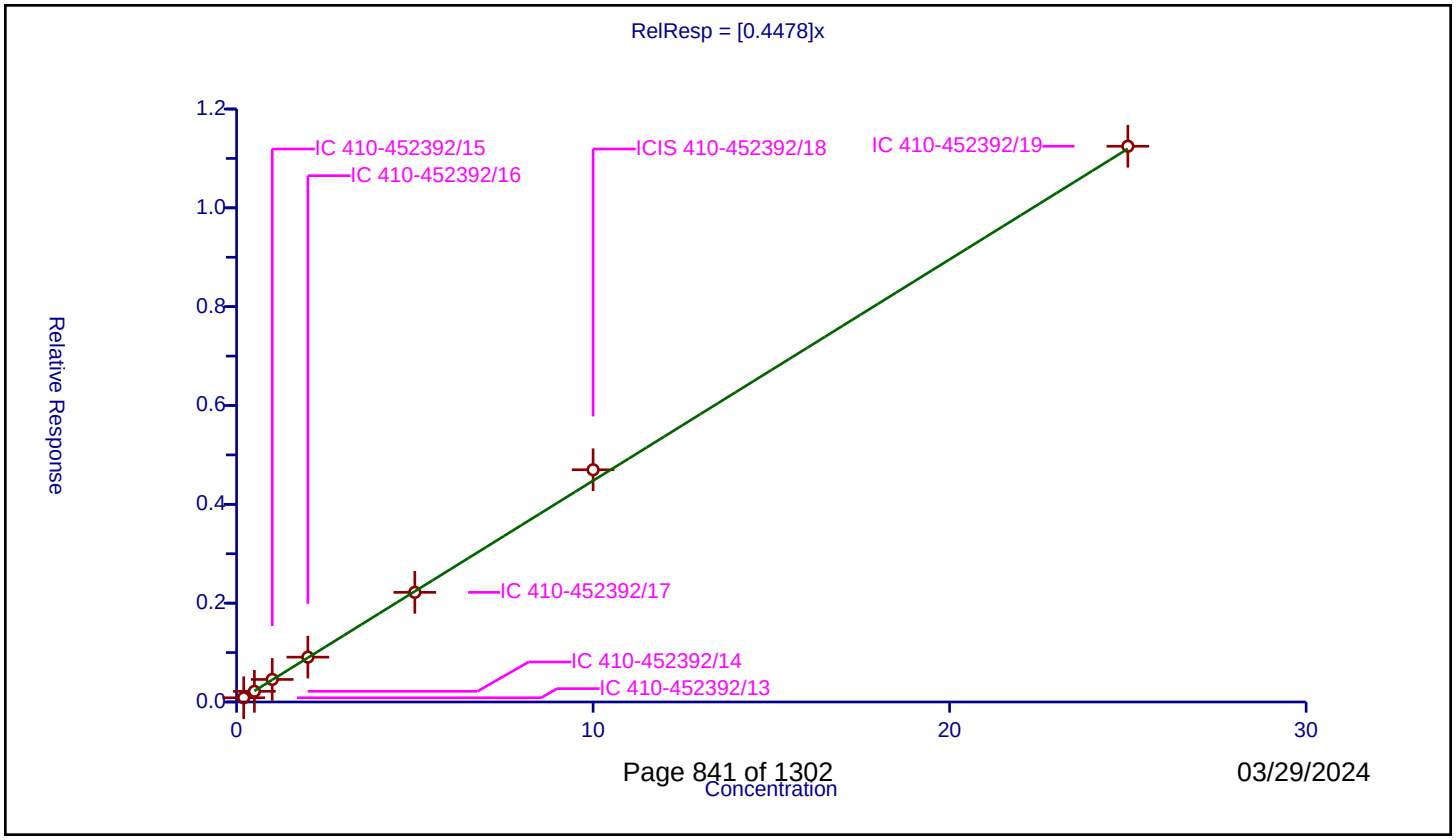
Curve Coefficients

Intercept:	0
Slope:	0.4478

Error Coefficients

Standard Error:	1070000
Relative Standard Error:	3.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.085753	10.0	2047394.0	0.428765	Y
2	IC 410-452392/14	0.5	0.216151	10.0	2025434.0	0.432302	Y
3	IC 410-452392/15	1.0	0.45627	10.0	2044405.0	0.45627	Y
4	IC 410-452392/16	2.0	0.907357	10.0	2031703.0	0.453679	Y
5	IC 410-452392/17	5.0	2.218987	10.0	2042373.0	0.443797	Y
6	ICIS 410-452392/18	10.0	4.699562	10.0	2054434.0	0.469956	Y
7	IC 410-452392/19	25.0	11.246744	10.0	2125786.0	0.44987	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

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

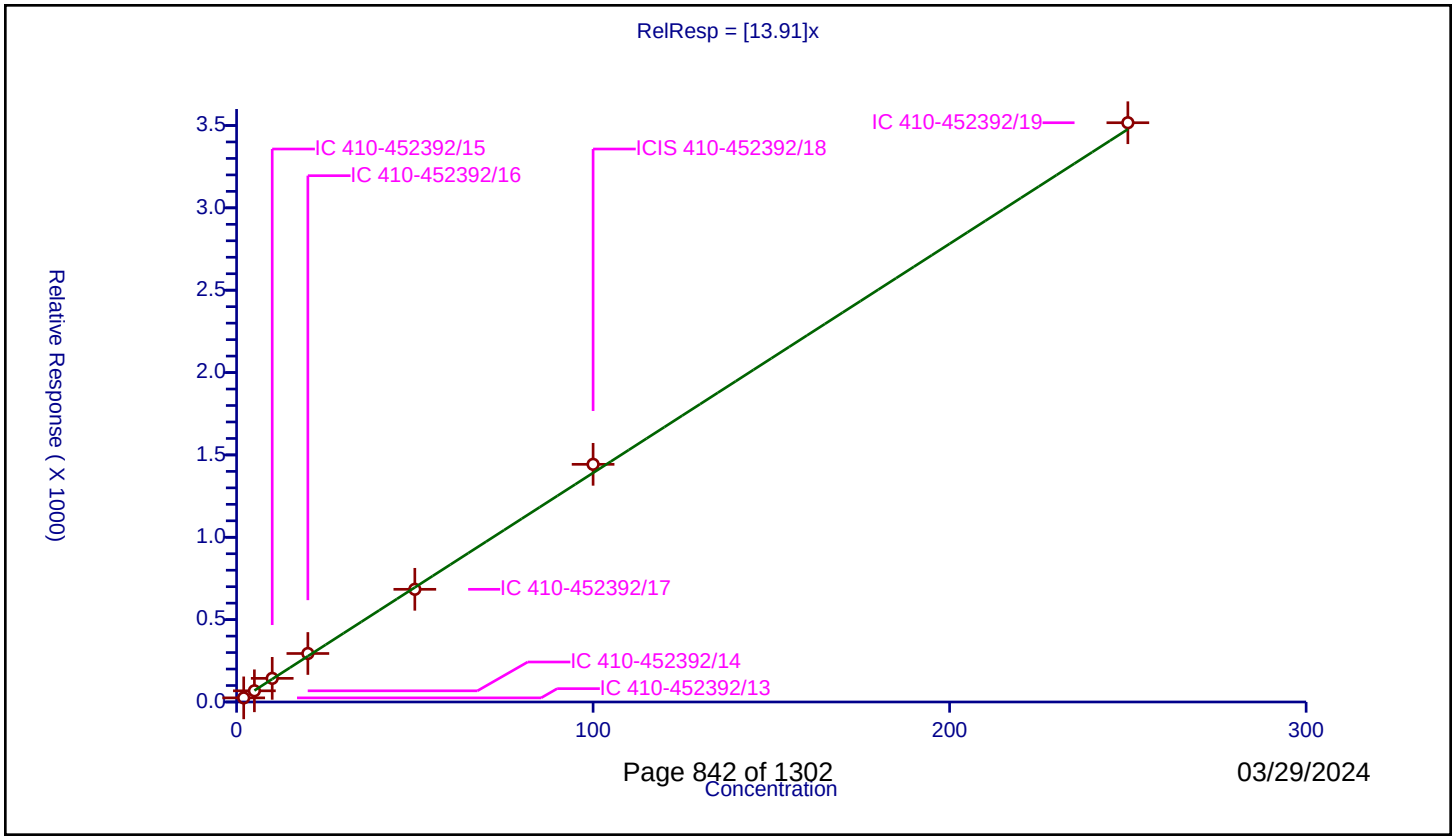
Curve Coefficients

Intercept:	0
Slope:	13.91

Error Coefficients

Standard Error:	4560000
Relative Standard Error:	5.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	2.0	25.078361	50.0	144204.0	12.539181	Y
2	IC 410-452392/14	5.0	67.862976	50.0	141435.0	13.572595	Y
3	IC 410-452392/15	10.0	143.578641	50.0	137066.0	14.357864	Y
4	IC 410-452392/16	20.0	294.349924	50.0	135361.0	14.717496	Y
5	IC 410-452392/17	50.0	684.059641	50.0	137958.0	13.681193	Y
6	ICIS 410-452392/18	100.0	1442.857448	50.0	140657.0	14.428574	Y
7	IC 410-452392/19	250.0	3516.717716	50.0	144957.0	14.066871	Y



Calibration / Toluene-d8 (Surr)

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

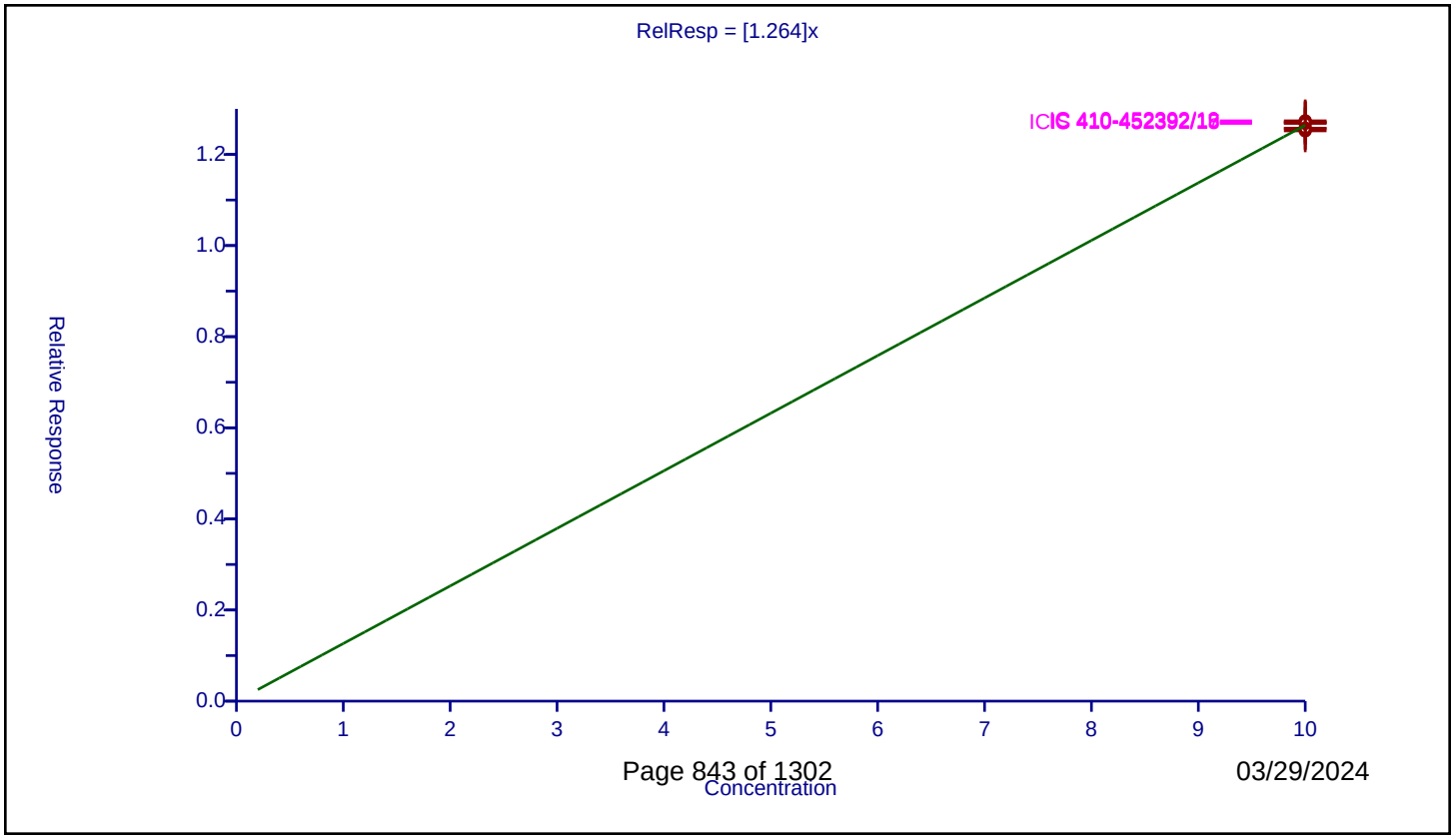
Curve Coefficients

Intercept:	0
Slope:	1.264

Error Coefficients

Standard Error:	2180000
Relative Standard Error:	0.7
Correlation Coefficient:	0.00000000000000000000
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	10.0	12.577125	10.0	1589112.0	1.257712	Y
2	IC 410-452392/14	10.0	12.566464	10.0	1583369.0	1.256646	Y
3	IC 410-452392/15	10.0	12.517458	10.0	1590219.0	1.251746	Y
4	IC 410-452392/16	10.0	12.71099	10.0	1583289.0	1.271099	Y
5	IC 410-452392/17	10.0	12.682048	10.0	1587835.0	1.268205	Y
6	ICIS 410-452392/18	10.0	12.693875	10.0	1597591.0	1.269387	Y
7	IC 410-452392/19	10.0	12.738332	10.0	1630500.0	1.273833	Y



Calibration / Toluene

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

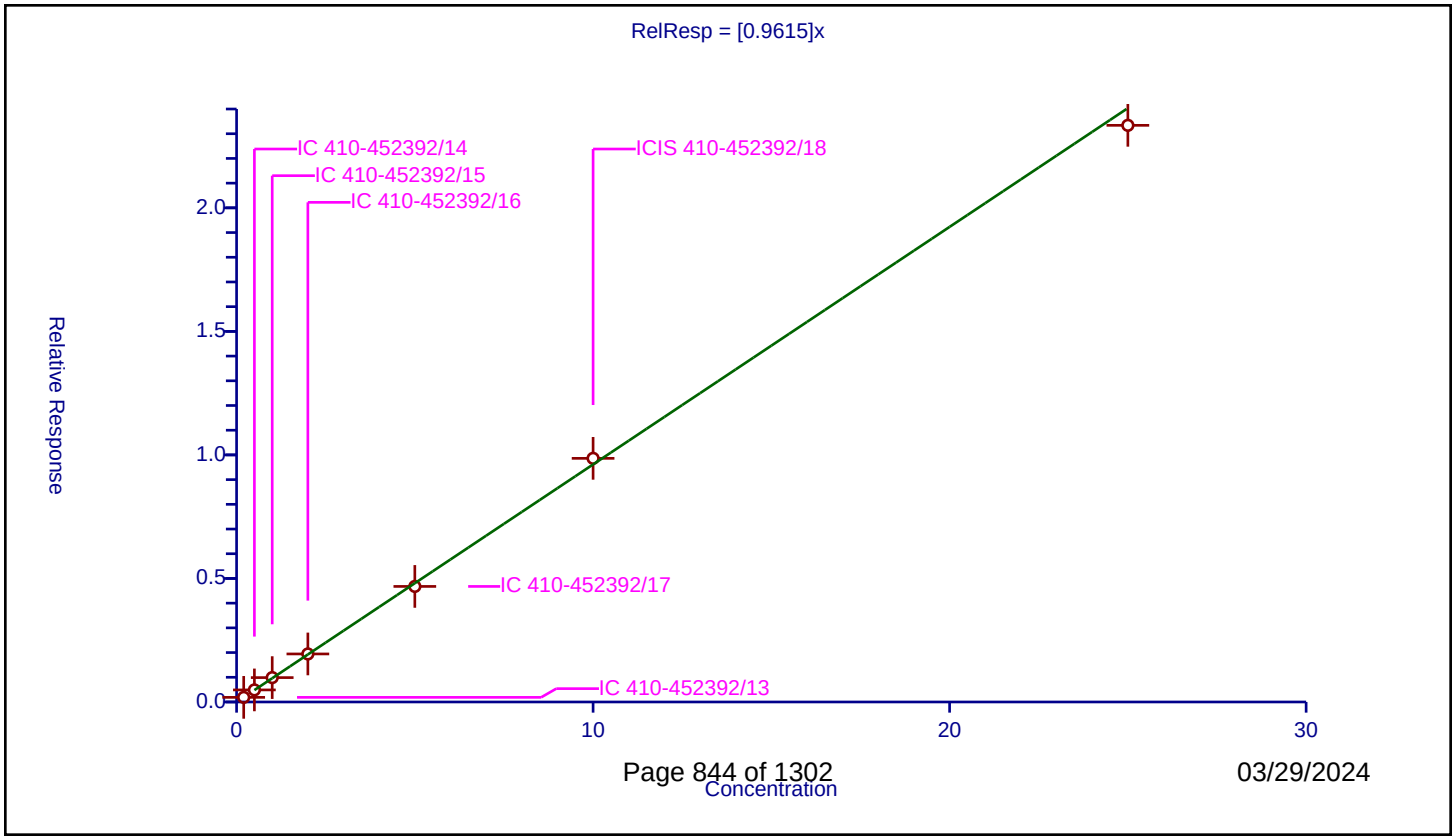
Curve Coefficients

Intercept:	0
Slope:	0.9615

Error Coefficients

Standard Error:	1710000
Relative Standard Error:	2.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.187721	10.0	1589112.0	0.938606	Y
2	IC 410-452392/14	0.5	0.488402	10.0	1583369.0	0.976803	Y
3	IC 410-452392/15	1.0	0.987411	10.0	1590219.0	0.987411	Y
4	IC 410-452392/16	2.0	1.944383	10.0	1583289.0	0.972191	Y
5	IC 410-452392/17	5.0	4.6773	10.0	1587835.0	0.93546	Y
6	ICIS 410-452392/18	10.0	9.861235	10.0	1597591.0	0.986123	Y
7	IC 410-452392/19	25.0	23.339092	10.0	1630500.0	0.933564	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

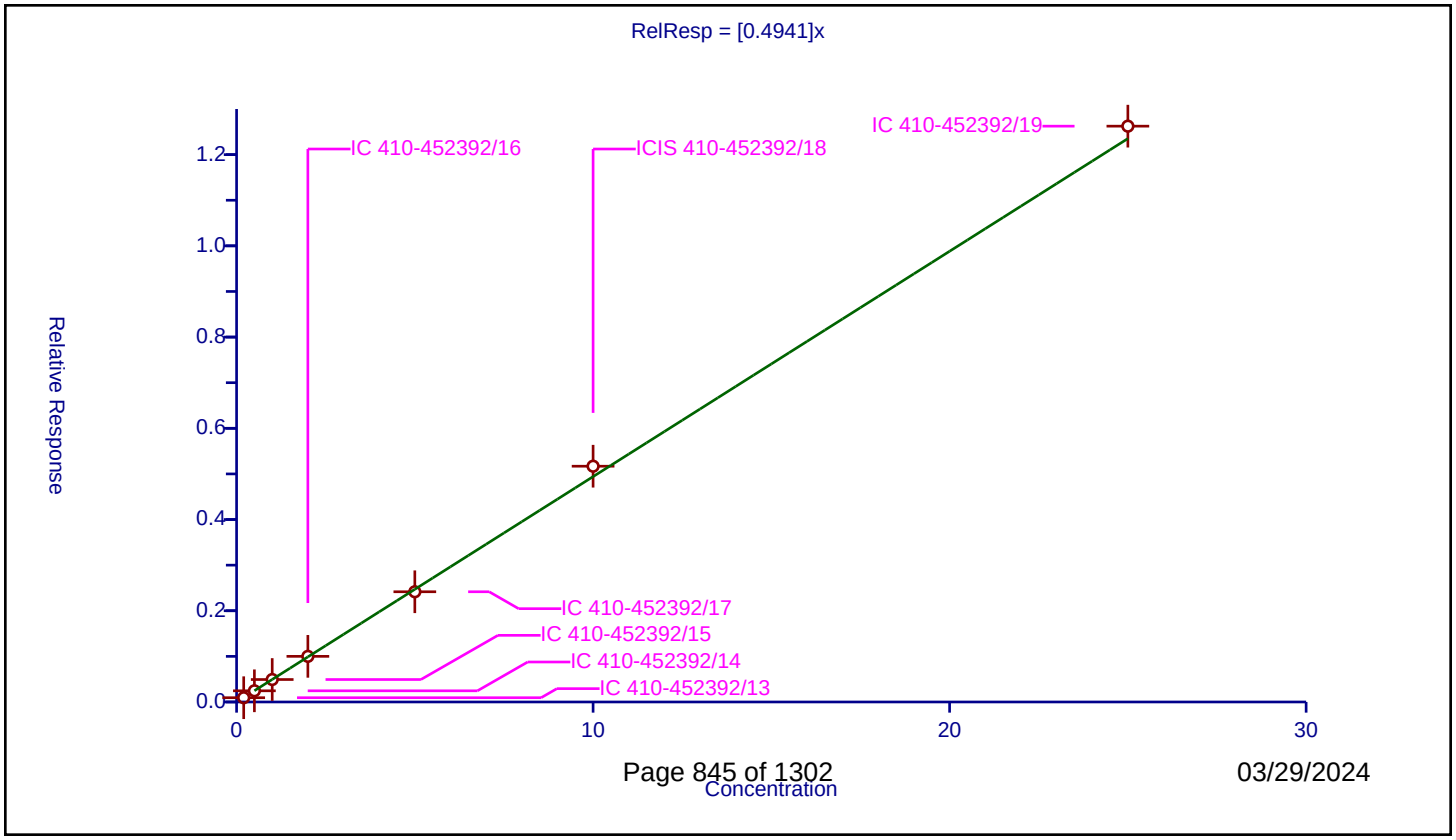
Curve Coefficients

Intercept:	0
Slope:	0.4941

Error Coefficients

Standard Error:	922000
Relative Standard Error:	3.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.09392	10.0	1589112.0	0.469602	Y
2	IC 410-452392/14	0.5	0.245413	10.0	1583369.0	0.490827	Y
3	IC 410-452392/15	1.0	0.492731	10.0	1590219.0	0.492731	Y
4	IC 410-452392/16	2.0	1.000348	10.0	1583289.0	0.500174	Y
5	IC 410-452392/17	5.0	2.416448	10.0	1587835.0	0.48329	Y
6	ICIS 410-452392/18	10.0	5.169152	10.0	1597591.0	0.516915	Y
7	IC 410-452392/19	25.0	12.623882	10.0	1630500.0	0.504955	Y



Calibration / Ethyl methacrylate

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

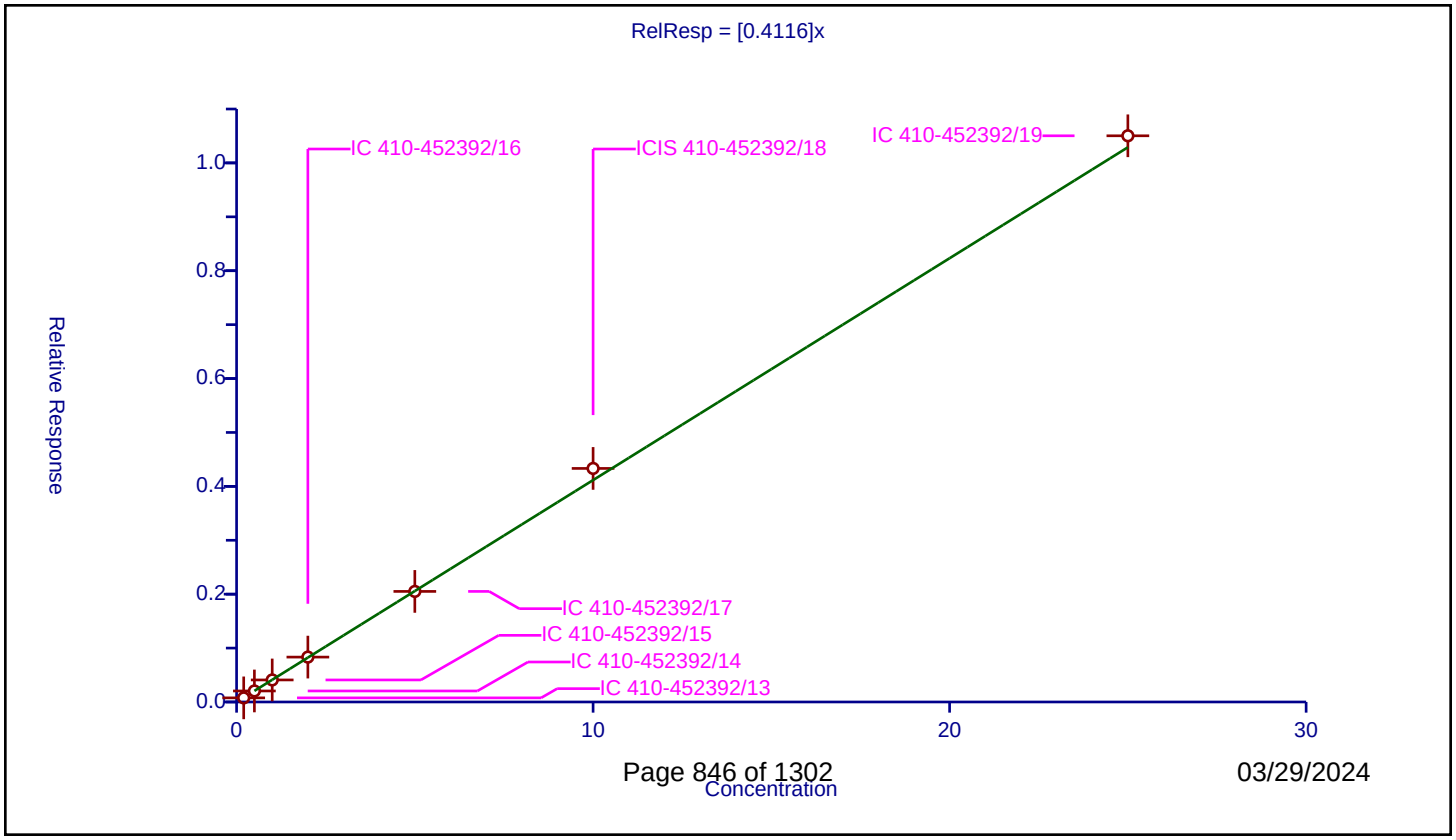
Curve Coefficients

Intercept:	0
Slope:	0.4116

Error Coefficients

Standard Error:	768000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.076565	10.0	1589112.0	0.382824	Y
2	IC 410-452392/14	0.5	0.204614	10.0	1583369.0	0.409229	Y
3	IC 410-452392/15	1.0	0.409019	10.0	1590219.0	0.409019	Y
4	IC 410-452392/16	2.0	0.832924	10.0	1583289.0	0.416462	Y
5	IC 410-452392/17	5.0	2.051019	10.0	1587835.0	0.410204	Y
6	ICIS 410-452392/18	10.0	4.332686	10.0	1597591.0	0.433269	Y
7	IC 410-452392/19	25.0	10.503355	10.0	1630500.0	0.420134	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

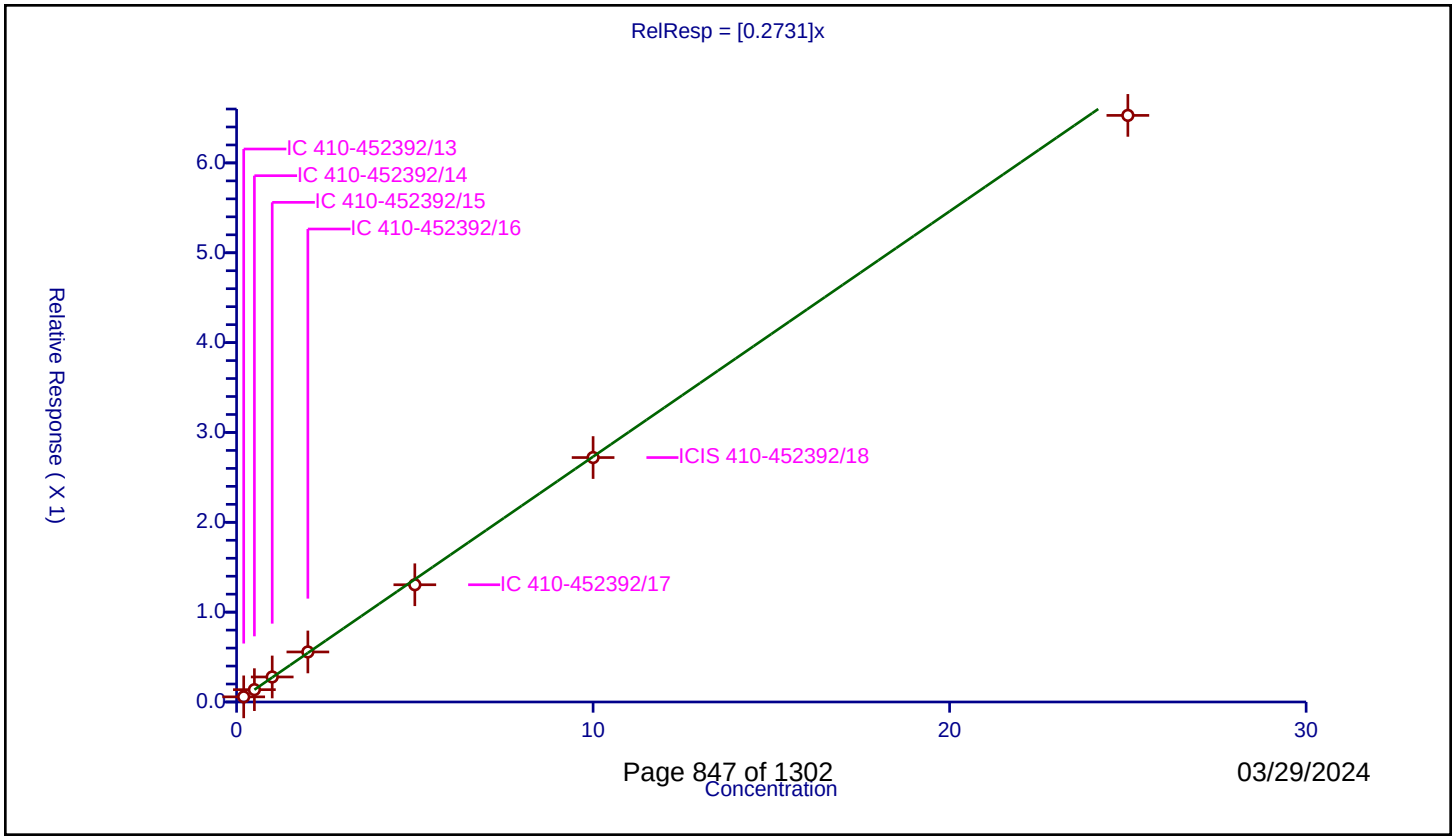
Curve Coefficients

Intercept:	0
Slope:	0.2731

Error Coefficients

Standard Error:	479000
Relative Standard Error:	3.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.057151	10.0	1589112.0	0.285757	Y
2	IC 410-452392/14	0.5	0.137157	10.0	1583369.0	0.274314	Y
3	IC 410-452392/15	1.0	0.278635	10.0	1590219.0	0.278635	Y
4	IC 410-452392/16	2.0	0.557068	10.0	1583289.0	0.278534	Y
5	IC 410-452392/17	5.0	1.305066	10.0	1587835.0	0.261013	Y
6	ICIS 410-452392/18	10.0	2.720803	10.0	1597591.0	0.27208	Y
7	IC 410-452392/19	25.0	6.528924	10.0	1630500.0	0.261157	Y



Calibration / Tetrachloroethene

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

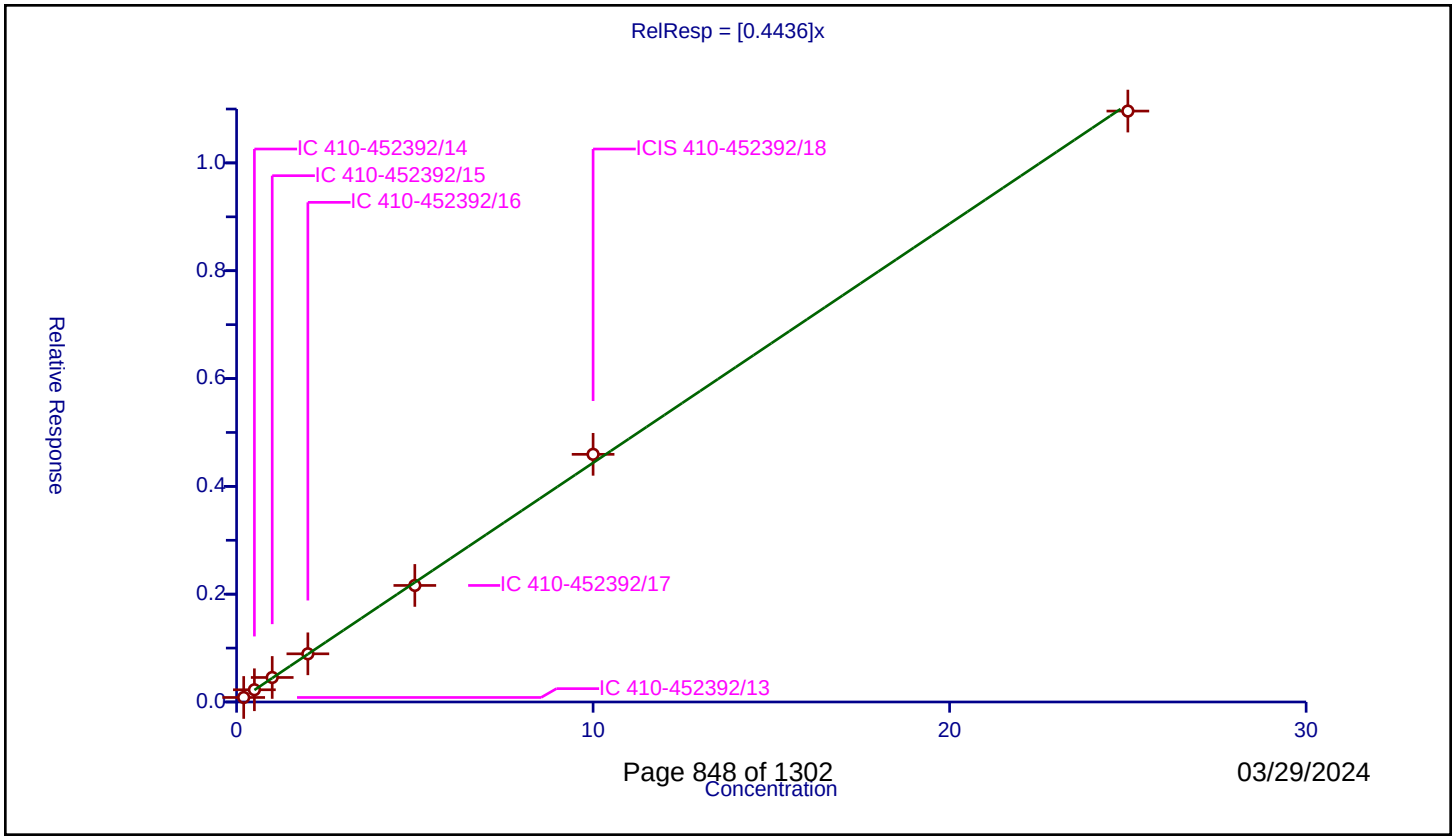
Curve Coefficients

Intercept:	0
Slope:	0.4436

Error Coefficients

Standard Error:	804000
Relative Standard Error:	3.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.083946	10.0	1589112.0	0.419731	Y
2	IC 410-452392/14	0.5	0.226763	10.0	1583369.0	0.453527	Y
3	IC 410-452392/15	1.0	0.455088	10.0	1590219.0	0.455088	Y
4	IC 410-452392/16	2.0	0.893614	10.0	1583289.0	0.446807	Y
5	IC 410-452392/17	5.0	2.161849	10.0	1587835.0	0.43237	Y
6	ICIS 410-452392/18	10.0	4.594311	10.0	1597591.0	0.459431	Y
7	IC 410-452392/19	25.0	10.961993	10.0	1630500.0	0.43848	Y



Calibration / 1,3-Dichloropropane

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

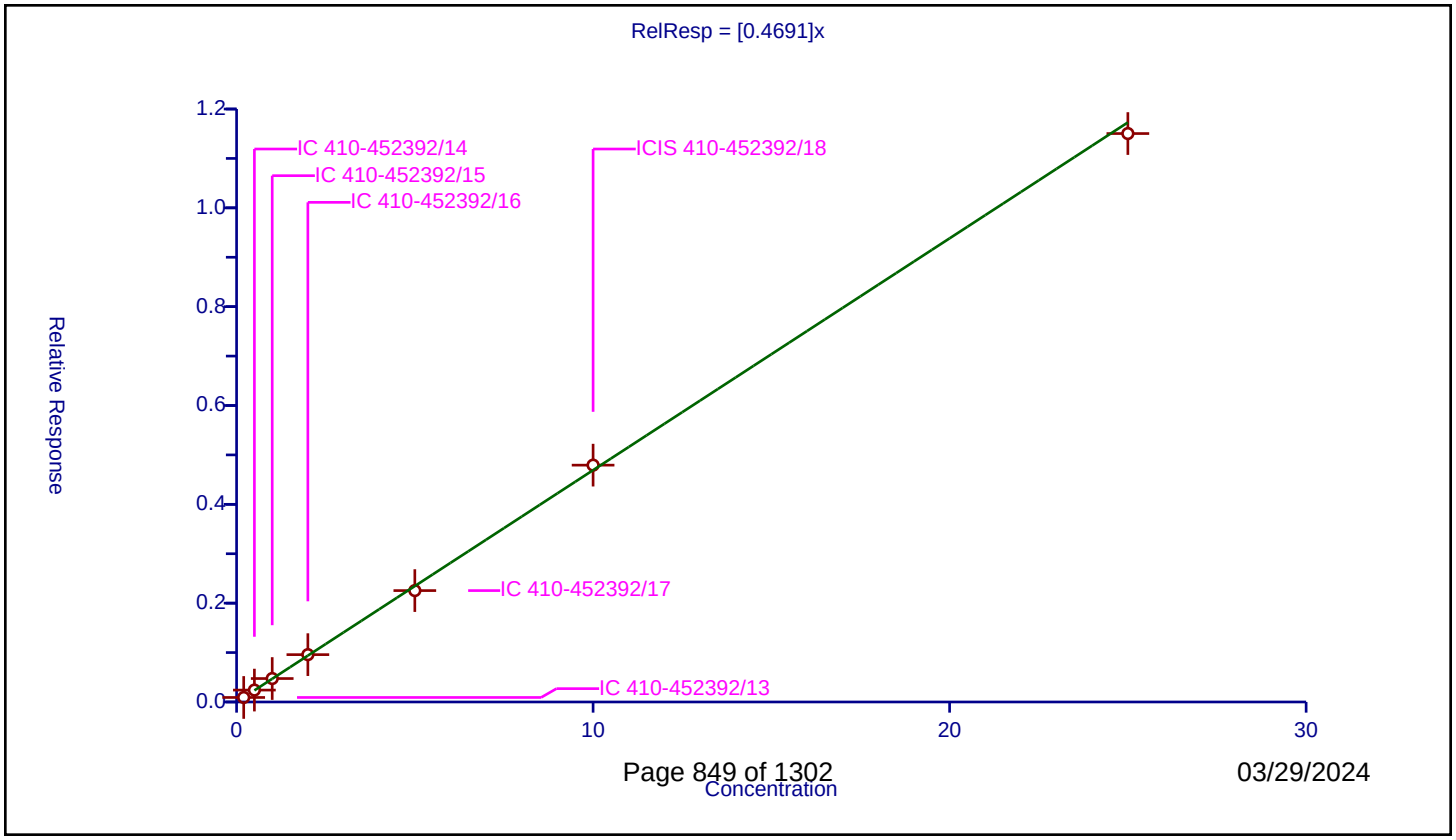
Curve Coefficients

Intercept:	0
Slope:	0.4691

Error Coefficients

Standard Error:	843000
Relative Standard Error:	2.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.091623	10.0	1589112.0	0.458117	Y
2	IC 410-452392/14	0.5	0.240942	10.0	1583369.0	0.481884	Y
3	IC 410-452392/15	1.0	0.474714	10.0	1590219.0	0.474714	Y
4	IC 410-452392/16	2.0	0.958075	10.0	1583289.0	0.479038	Y
5	IC 410-452392/17	5.0	2.254309	10.0	1587835.0	0.450862	Y
6	ICIS 410-452392/18	10.0	4.79266	10.0	1597591.0	0.479266	Y
7	IC 410-452392/19	25.0	11.503661	10.0	1630500.0	0.460146	Y



Calibration / 2-Hexanone

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

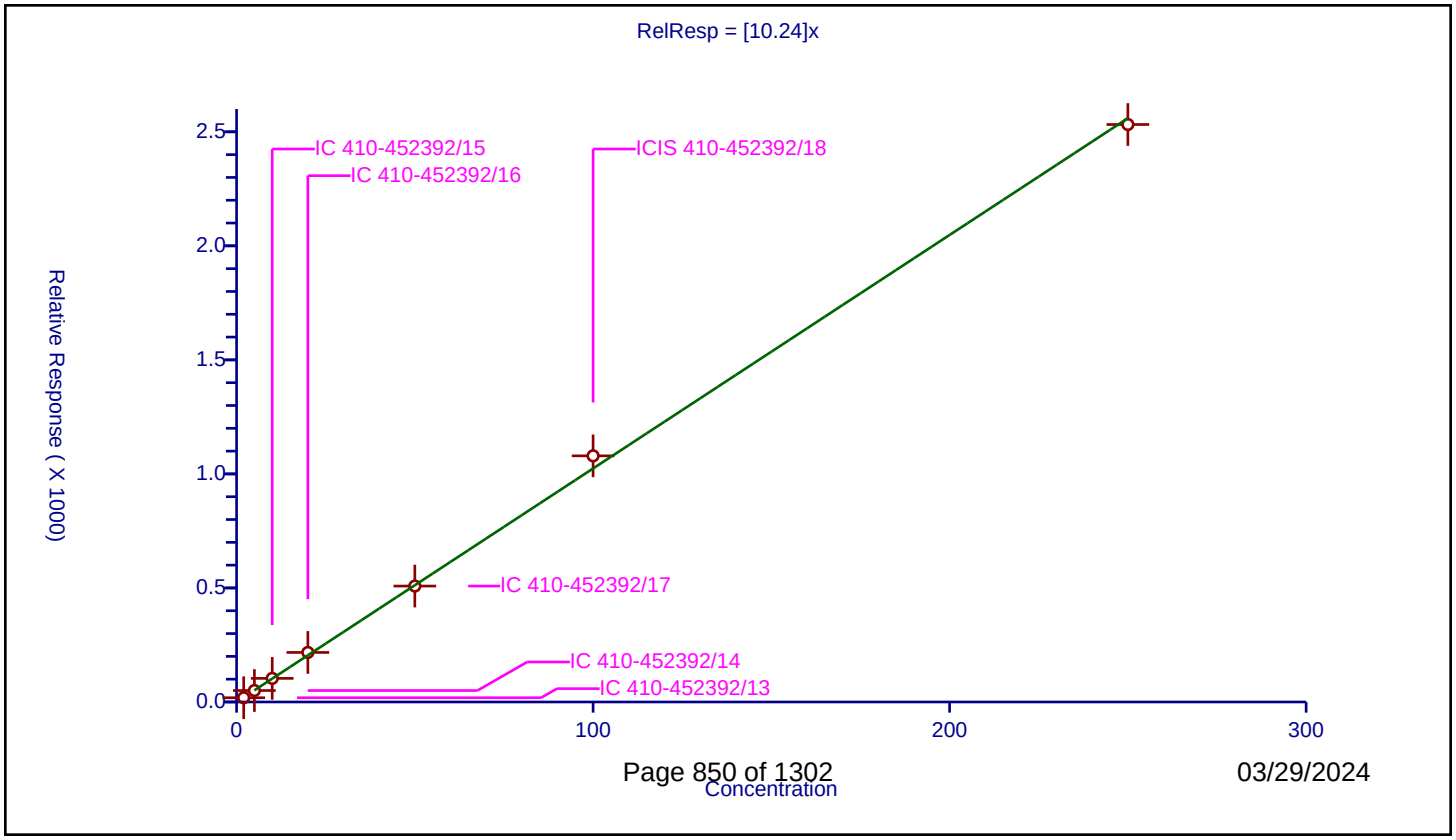
Curve Coefficients

Intercept:	0
Slope:	10.24

Error Coefficients

Standard Error:	3300000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	2.0	18.629511	50.0	144204.0	9.314755	Y
2	IC 410-452392/14	5.0	50.255241	50.0	141435.0	10.051048	Y
3	IC 410-452392/15	10.0	103.573826	50.0	137066.0	10.357383	Y
4	IC 410-452392/16	20.0	217.203256	50.0	135361.0	10.860163	Y
5	IC 410-452392/17	50.0	508.279694	50.0	137958.0	10.165594	Y
6	ICIS 410-452392/18	100.0	1079.279737	50.0	140657.0	10.792797	Y
7	IC 410-452392/19	250.0	2532.09745	50.0	144957.0	10.12839	Y



Calibration / Chlorodibromomethane

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

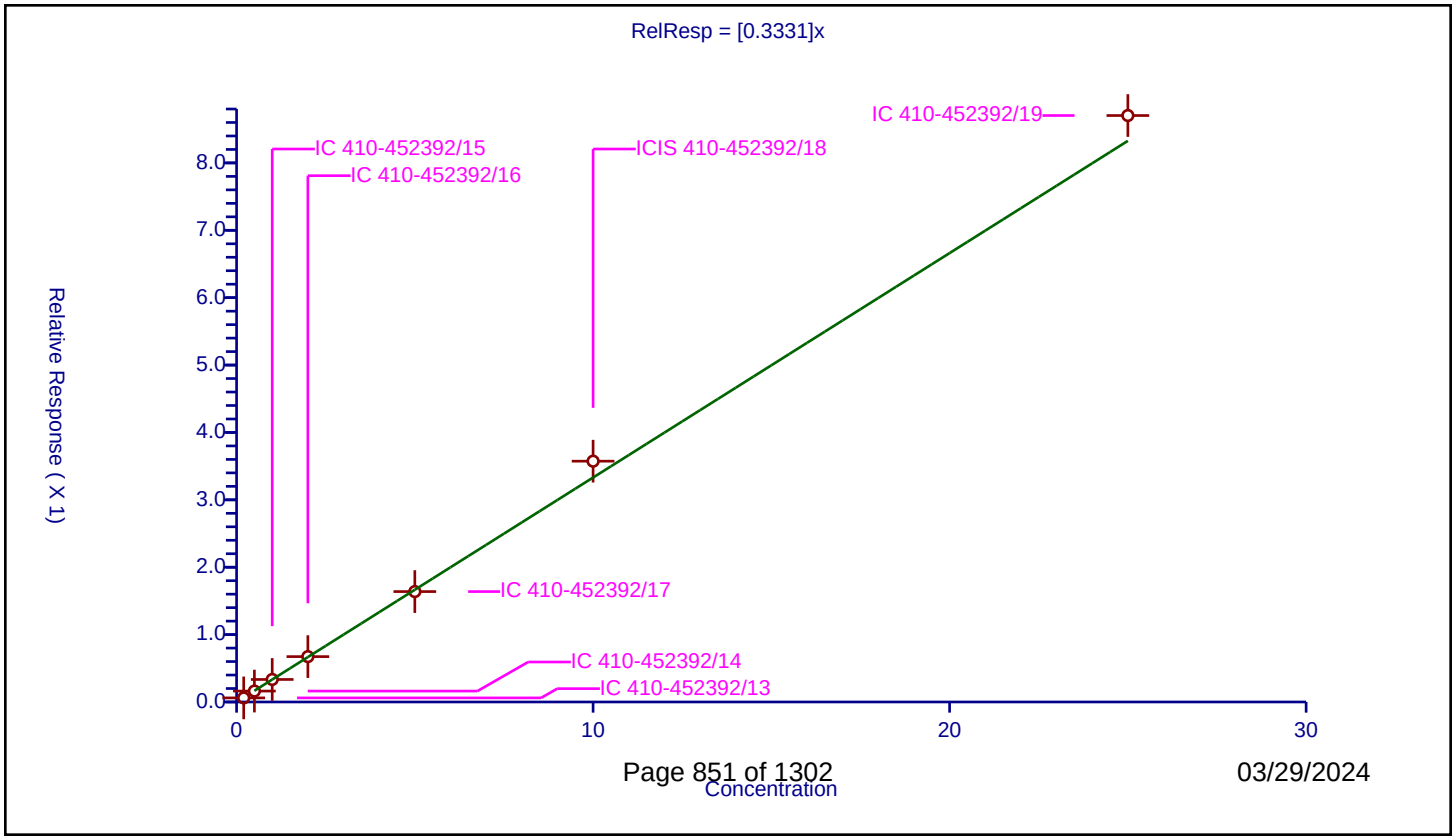
Curve Coefficients

Intercept:	0
Slope:	0.3331

Error Coefficients

Standard Error:	635000
Relative Standard Error:	5.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.060782	10.0	1589112.0	0.303912	Y
2	IC 410-452392/14	0.5	0.161864	10.0	1583369.0	0.323727	Y
3	IC 410-452392/15	1.0	0.33425	10.0	1590219.0	0.33425	Y
4	IC 410-452392/16	2.0	0.6732	10.0	1583289.0	0.3366	Y
5	IC 410-452392/17	5.0	1.638483	10.0	1587835.0	0.327697	Y
6	ICIS 410-452392/18	10.0	3.573631	10.0	1597591.0	0.357363	Y
7	IC 410-452392/19	25.0	8.703244	10.0	1630500.0	0.34813	Y



Calibration / Ethylene Dibromide

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

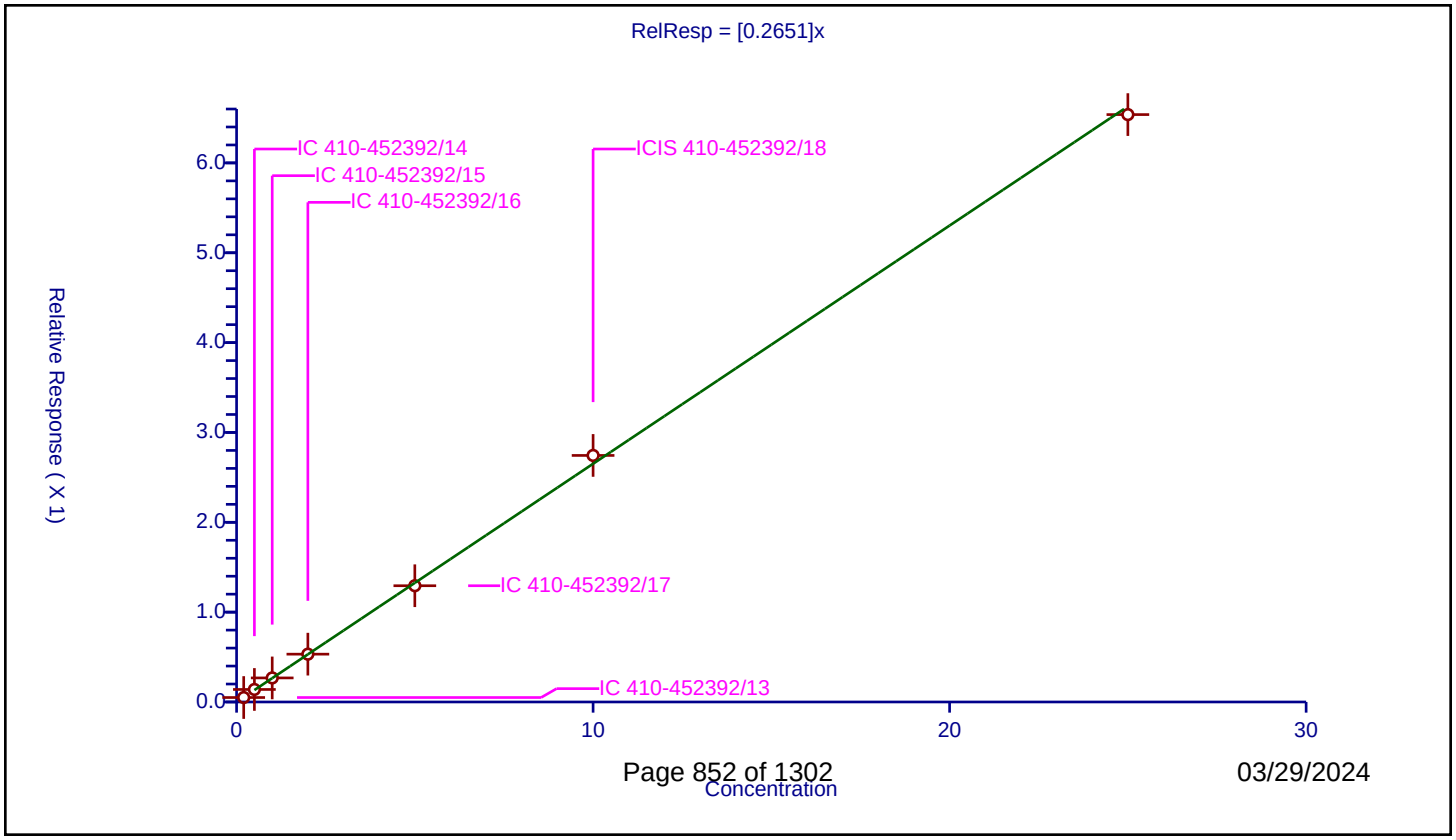
Curve Coefficients

Intercept:	0
Slope:	0.2651

Error Coefficients

Standard Error:	480000
Relative Standard Error:	3.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.049663	10.0	1589112.0	0.248315	Y
2	IC 410-452392/14	0.5	0.139418	10.0	1583369.0	0.278836	Y
3	IC 410-452392/15	1.0	0.267894	10.0	1590219.0	0.267894	Y
4	IC 410-452392/16	2.0	0.532423	10.0	1583289.0	0.266212	Y
5	IC 410-452392/17	5.0	1.29402	10.0	1587835.0	0.258804	Y
6	ICIS 410-452392/18	10.0	2.744163	10.0	1597591.0	0.274416	Y
7	IC 410-452392/19	25.0	6.53789	10.0	1630500.0	0.261516	Y



Calibration / 1-Chlorohexane

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

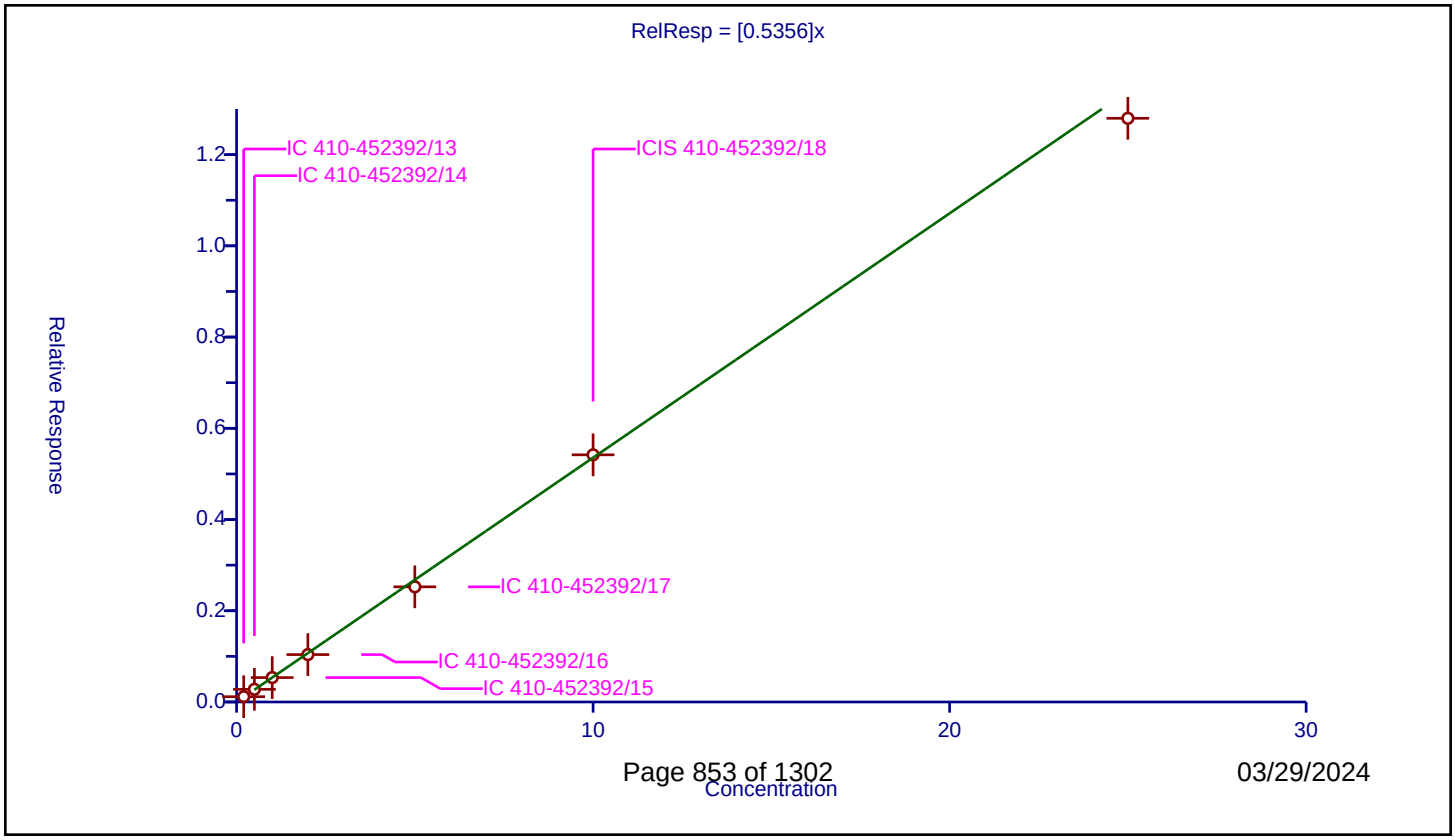
Curve Coefficients

Intercept:	0
Slope:	0.5356

Error Coefficients

Standard Error:	940000
Relative Standard Error:	4.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.115926	10.0	1589112.0	0.579632	Y
2	IC 410-452392/14	0.5	0.278185	10.0	1583369.0	0.556371	Y
3	IC 410-452392/15	1.0	0.535128	10.0	1590219.0	0.535128	Y
4	IC 410-452392/16	2.0	1.039071	10.0	1583289.0	0.519536	Y
5	IC 410-452392/17	5.0	2.524822	10.0	1587835.0	0.504964	Y
6	ICIS 410-452392/18	10.0	5.418802	10.0	1597591.0	0.54188	Y
7	IC 410-452392/19	25.0	12.796621	10.0	1630500.0	0.511865	Y



Calibration / Chlorobenzene

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

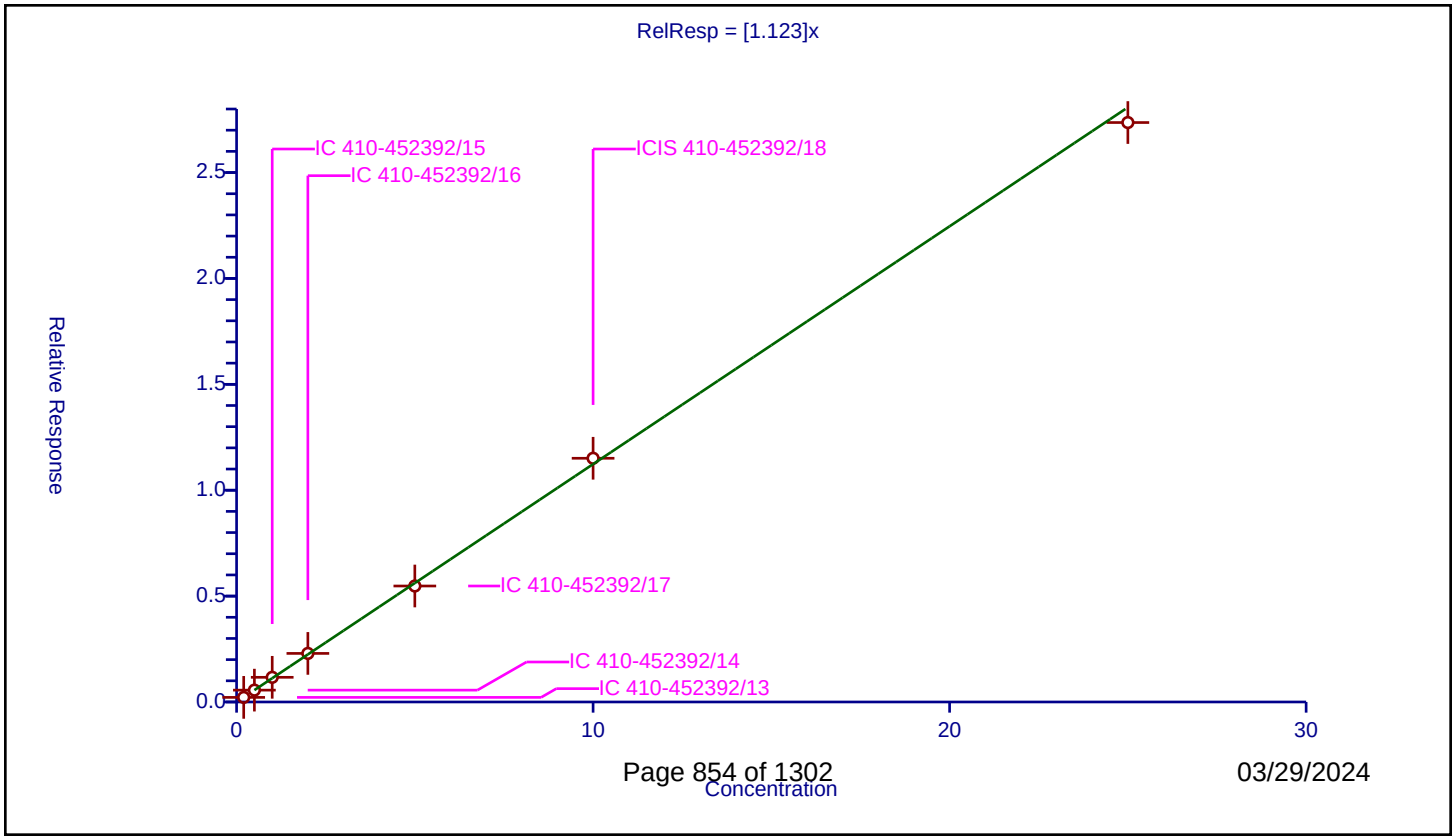
Curve Coefficients

Intercept:	0
Slope:	1.123

Error Coefficients

Standard Error:	2010000
Relative Standard Error:	2.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.217832	10.0	1589112.0	1.089162	Y
2	IC 410-452392/14	0.5	0.560053	10.0	1583369.0	1.120105	Y
3	IC 410-452392/15	1.0	1.164959	10.0	1590219.0	1.164959	Y
4	IC 410-452392/16	2.0	2.293871	10.0	1583289.0	1.146935	Y
5	IC 410-452392/17	5.0	5.476488	10.0	1587835.0	1.095298	Y
6	ICIS 410-452392/18	10.0	11.508496	10.0	1597591.0	1.15085	Y
7	IC 410-452392/19	25.0	27.36103	10.0	1630500.0	1.094441	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

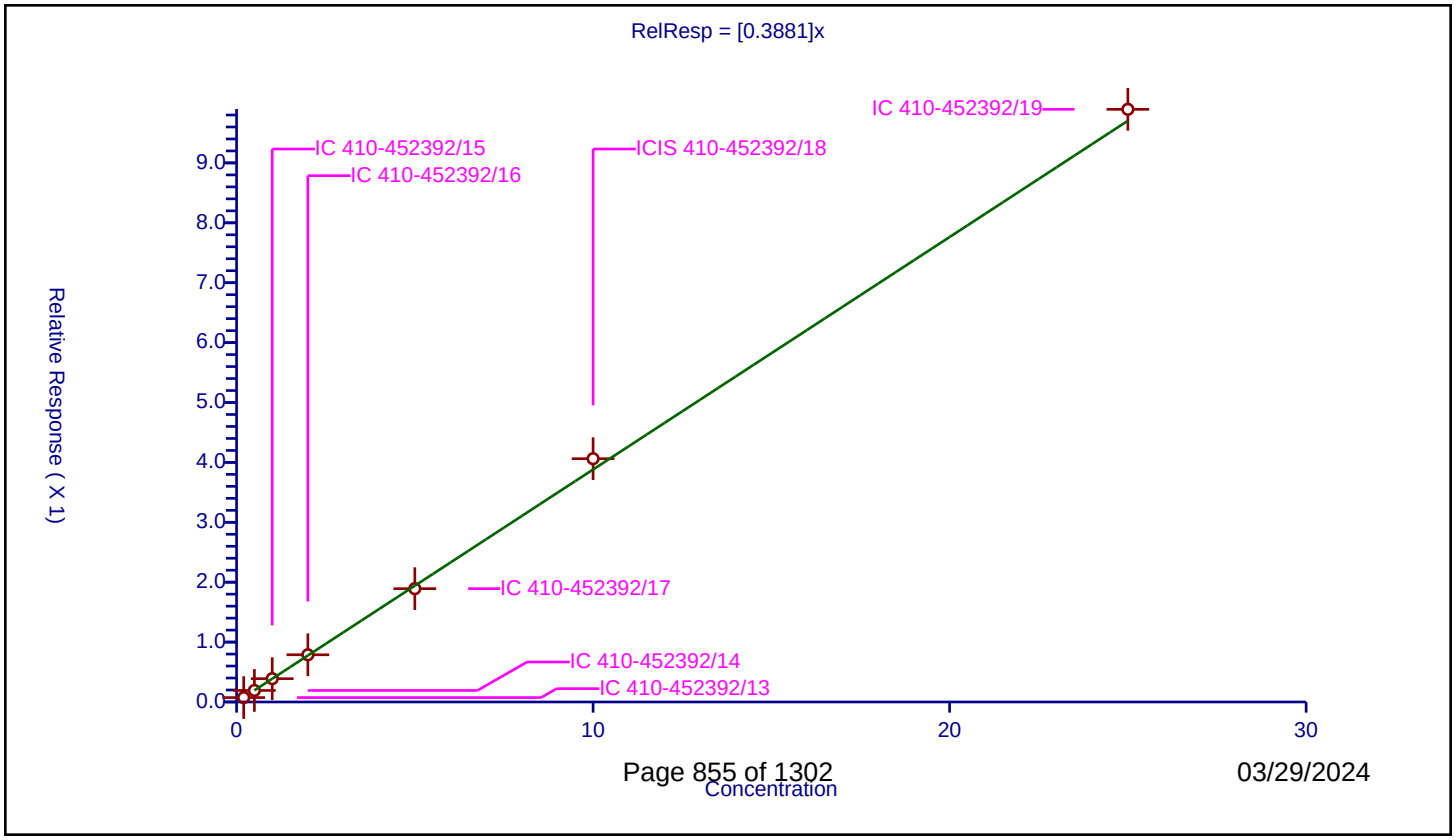
Curve Coefficients

Intercept:	0
Slope:	0.3881

Error Coefficients

Standard Error:	723000
Relative Standard Error:	3.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.07367	10.0	1589112.0	0.36835	Y
2	IC 410-452392/14	0.5	0.192539	10.0	1583369.0	0.385078	Y
3	IC 410-452392/15	1.0	0.389141	10.0	1590219.0	0.389141	Y
4	IC 410-452392/16	2.0	0.788037	10.0	1583289.0	0.394018	Y
5	IC 410-452392/17	5.0	1.891954	10.0	1587835.0	0.378391	Y
6	ICIS 410-452392/18	10.0	4.061897	10.0	1597591.0	0.40619	Y
7	IC 410-452392/19	25.0	9.894768	10.0	1630500.0	0.395791	Y



Calibration / Ethylbenzene

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

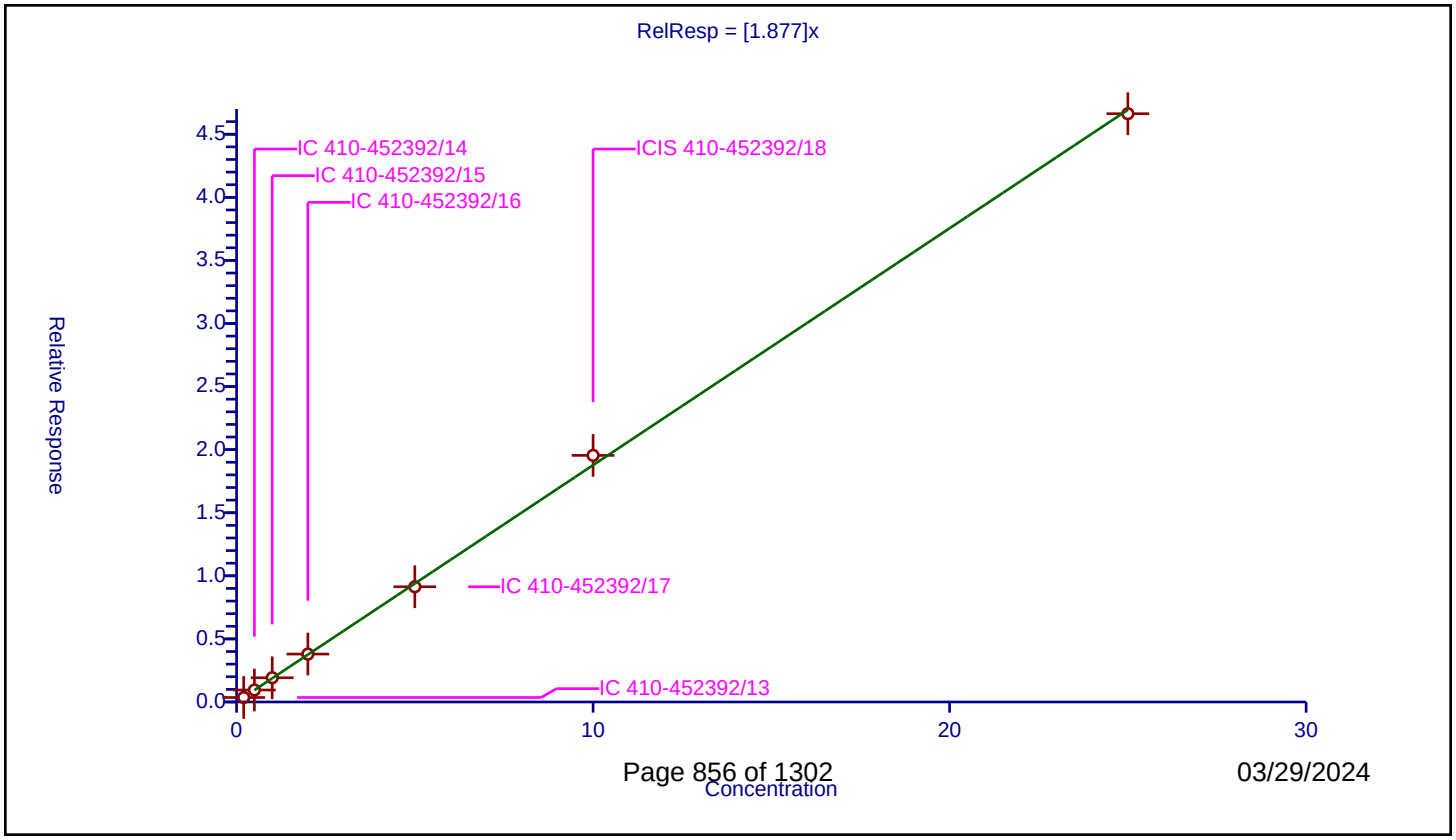
Curve Coefficients

Intercept:	0
Slope:	1.877

Error Coefficients

Standard Error:	3420000
Relative Standard Error:	3.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.355544	10.0	1589112.0	1.777722	Y
2	IC 410-452392/14	0.5	0.949564	10.0	1583369.0	1.899128	Y
3	IC 410-452392/15	1.0	1.919214	10.0	1590219.0	1.919214	Y
4	IC 410-452392/16	2.0	3.797917	10.0	1583289.0	1.898958	Y
5	IC 410-452392/17	5.0	9.133512	10.0	1587835.0	1.826702	Y
6	ICIS 410-452392/18	10.0	19.54673	10.0	1597591.0	1.954673	Y
7	IC 410-452392/19	25.0	46.627311	10.0	1630500.0	1.865092	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

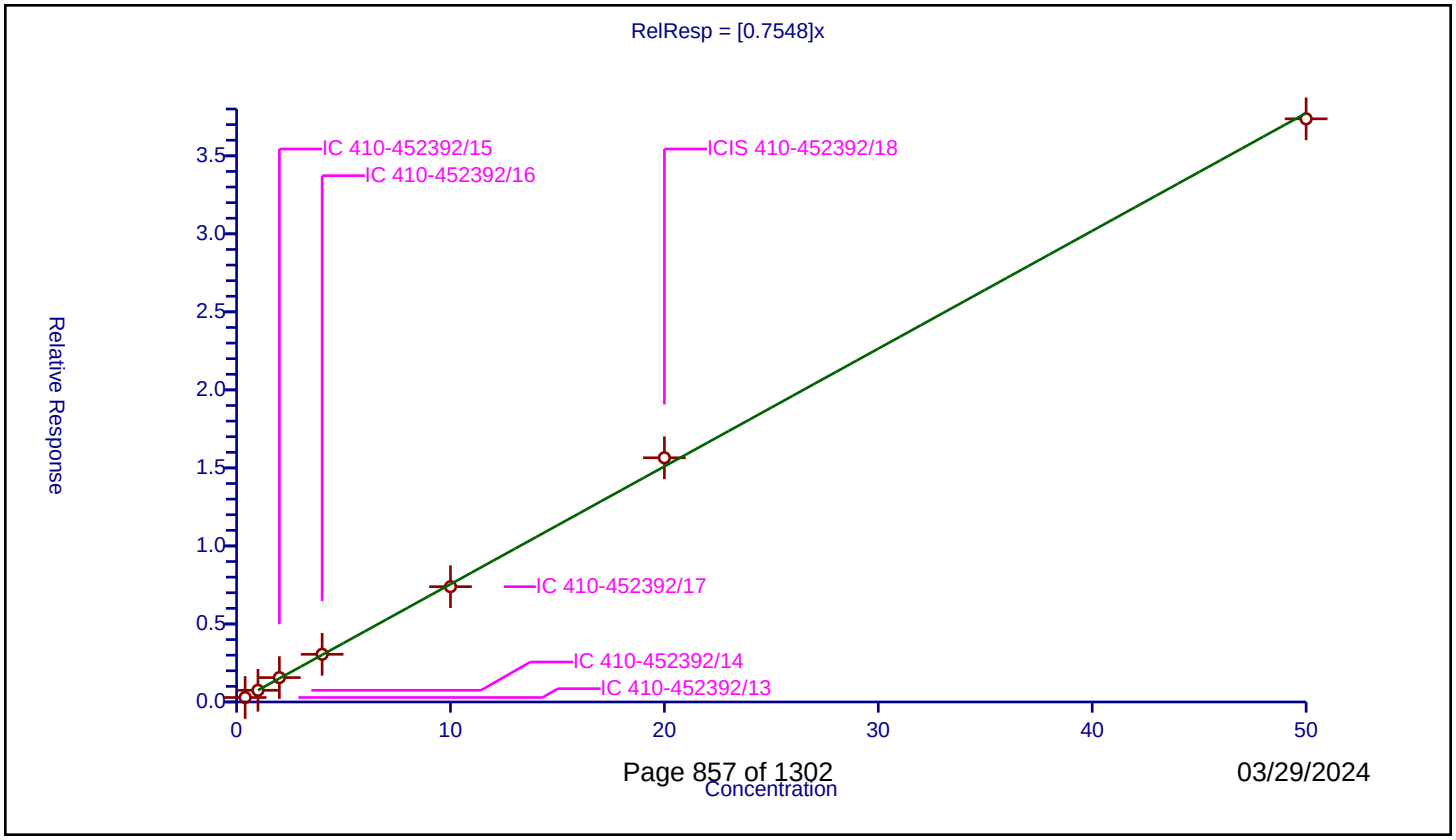
Curve Coefficients

Intercept:	0
Slope:	0.7548

Error Coefficients

Standard Error:	2740000
Relative Standard Error:	3.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.4	0.287456	10.0	1589112.0	0.71864	Y
2	IC 410-452392/14	1.0	0.750027	10.0	1583369.0	0.750027	Y
3	IC 410-452392/15	2.0	1.563615	10.0	1590219.0	0.781807	Y
4	IC 410-452392/16	4.0	3.056397	10.0	1583289.0	0.764099	Y
5	IC 410-452392/17	10.0	7.389515	10.0	1587835.0	0.738951	Y
6	ICIS 410-452392/18	20.0	15.648573	10.0	1597591.0	0.782429	Y
7	IC 410-452392/19	50.0	37.370457	10.0	1630500.0	0.747409	Y



Calibration / o-Xylene

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

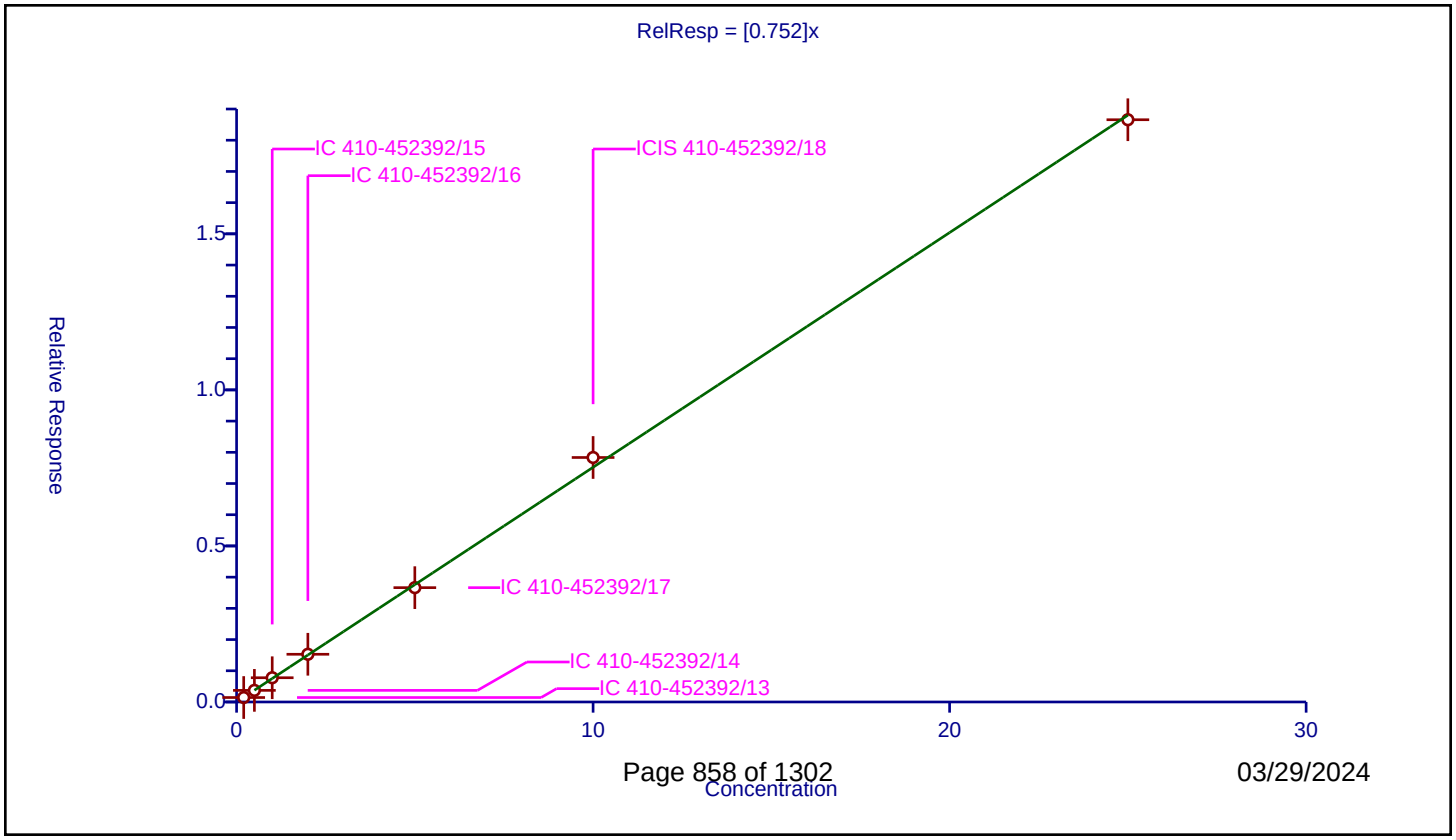
Curve Coefficients

Intercept:	0
Slope:	0.752

Error Coefficients

Standard Error:	1370000
Relative Standard Error:	3.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.143074	10.0	1589112.0	0.715368	Y
2	IC 410-452392/14	0.5	0.372421	10.0	1583369.0	0.744842	Y
3	IC 410-452392/15	1.0	0.776968	10.0	1590219.0	0.776968	Y
4	IC 410-452392/16	2.0	1.529095	10.0	1583289.0	0.764548	Y
5	IC 410-452392/17	5.0	3.663668	10.0	1587835.0	0.732734	Y
6	ICIS 410-452392/18	10.0	7.834108	10.0	1597591.0	0.783411	Y
7	IC 410-452392/19	25.0	18.656657	10.0	1630500.0	0.746266	Y



Calibration / Styrene

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

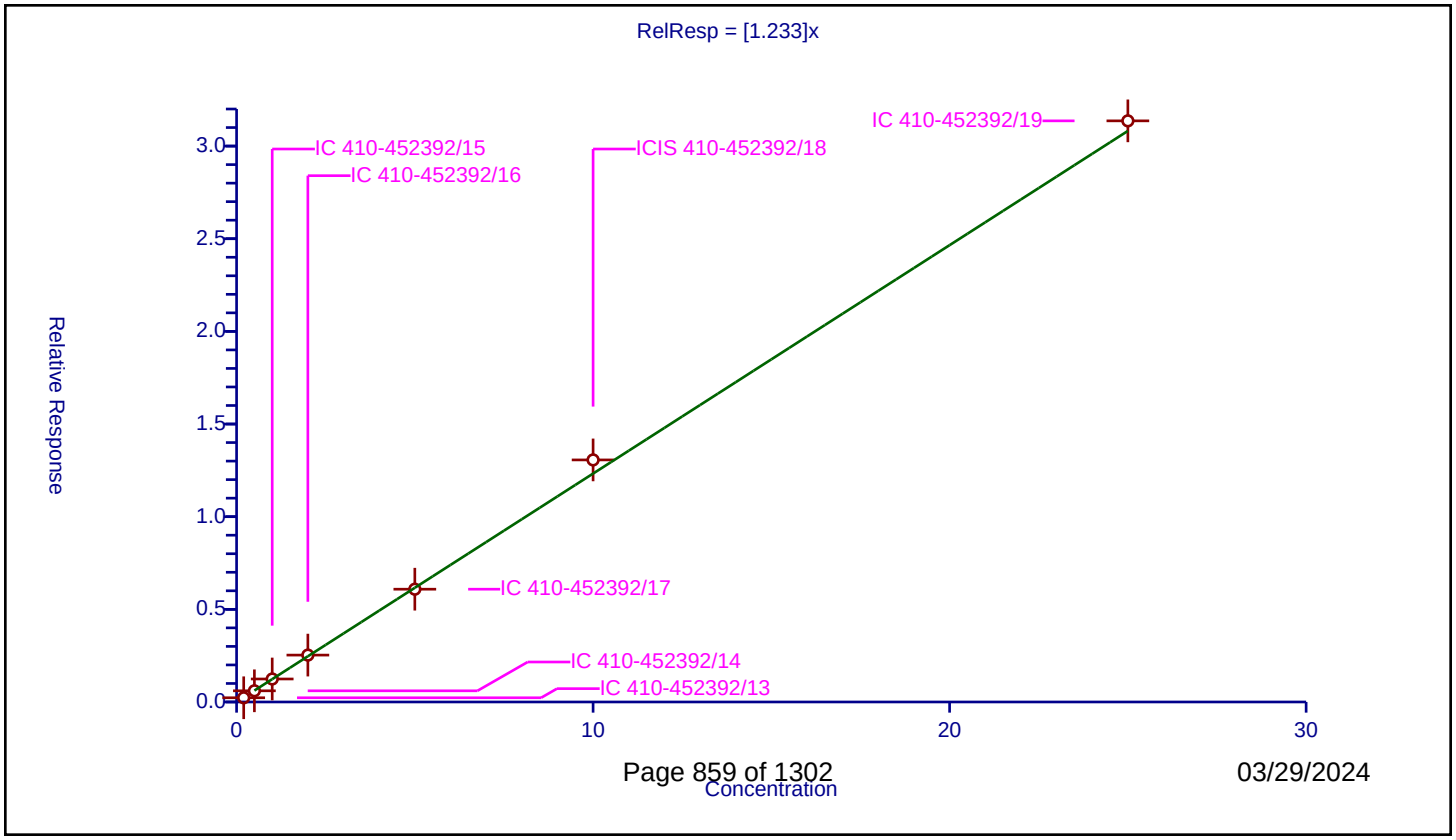
Curve Coefficients

Intercept:	0
Slope:	1.233

Error Coefficients

Standard Error:	2300000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.227473	10.0	1589112.0	1.137365	Y
2	IC 410-452392/14	0.5	0.603637	10.0	1583369.0	1.207274	Y
3	IC 410-452392/15	1.0	1.240697	10.0	1590219.0	1.240697	Y
4	IC 410-452392/16	2.0	2.530479	10.0	1583289.0	1.26524	Y
5	IC 410-452392/17	5.0	6.086262	10.0	1587835.0	1.217252	Y
6	ICIS 410-452392/18	10.0	13.063688	10.0	1597591.0	1.306369	Y
7	IC 410-452392/19	25.0	31.360638	10.0	1630500.0	1.254426	Y



Calibration / Bromoform

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

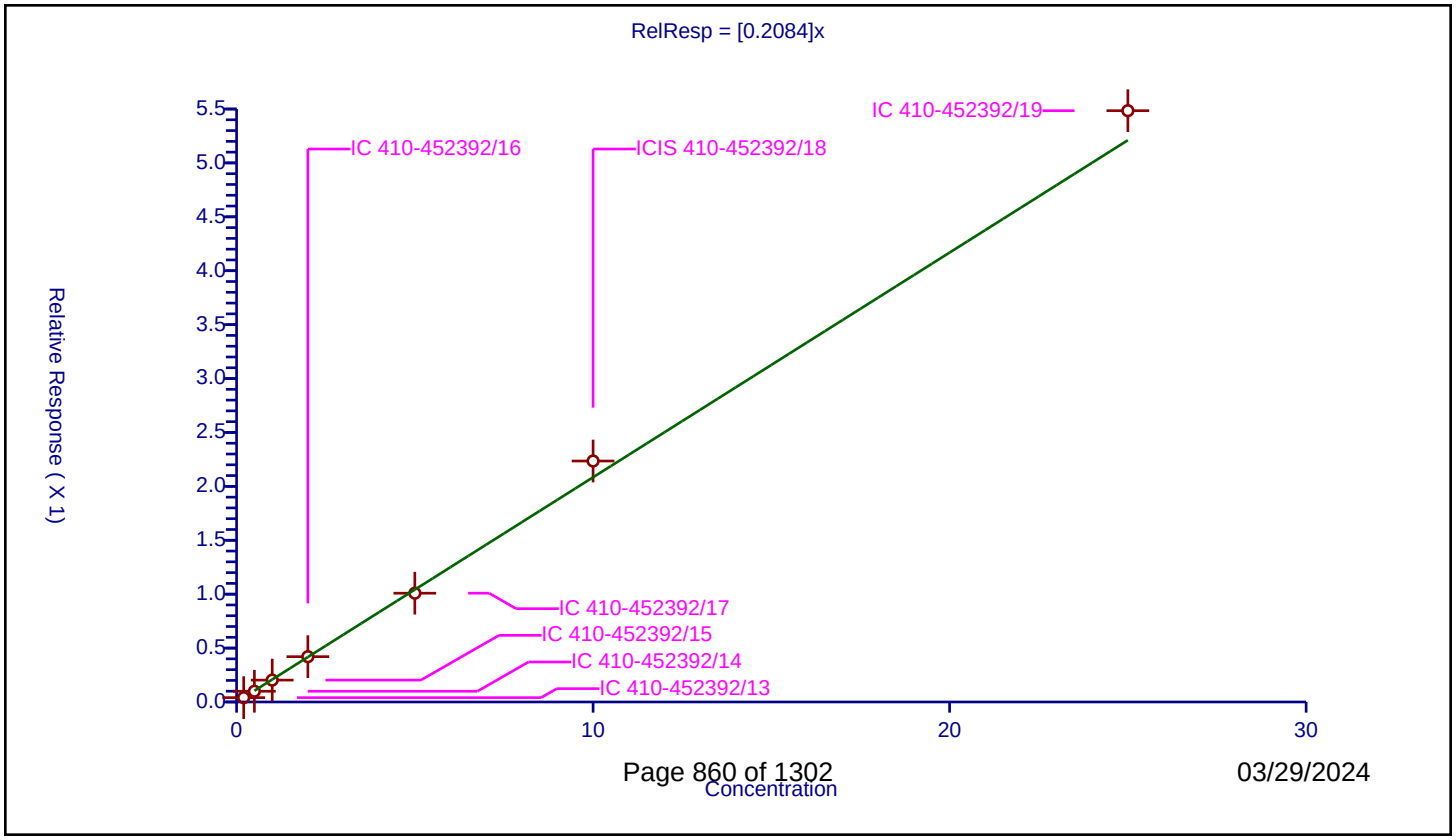
Curve Coefficients

Intercept:	0
Slope:	0.2084

Error Coefficients

Standard Error:	400000
Relative Standard Error:	4.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.040381	10.0	1589112.0	0.201905	Y
2	IC 410-452392/14	0.5	0.099591	10.0	1583369.0	0.199183	Y
3	IC 410-452392/15	1.0	0.203016	10.0	1590219.0	0.203016	Y
4	IC 410-452392/16	2.0	0.420315	10.0	1583289.0	0.210157	Y
5	IC 410-452392/17	5.0	1.009104	10.0	1587835.0	0.201821	Y
6	ICIS 410-452392/18	10.0	2.235159	10.0	1597591.0	0.223516	Y
7	IC 410-452392/19	25.0	5.484502	10.0	1630500.0	0.21938	Y



Calibration / Isopropylbenzene

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

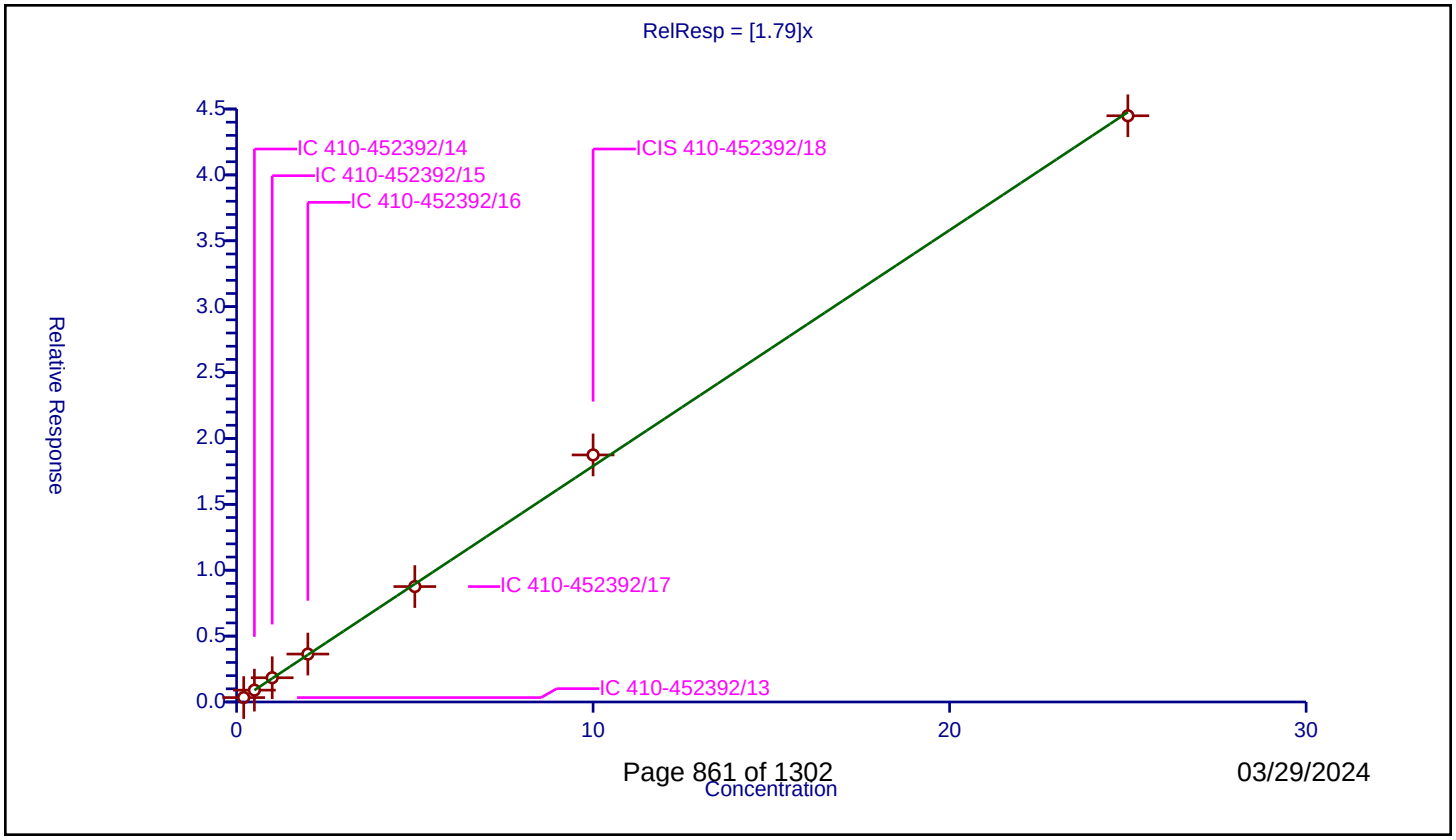
Curve Coefficients

Intercept:	0
Slope:	1.79

Error Coefficients

Standard Error:	3270000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.333985	10.0	1589112.0	1.669926	Y
2	IC 410-452392/14	0.5	0.898761	10.0	1583369.0	1.797522	Y
3	IC 410-452392/15	1.0	1.841143	10.0	1590219.0	1.841143	Y
4	IC 410-452392/16	2.0	3.636594	10.0	1583289.0	1.818297	Y
5	IC 410-452392/17	5.0	8.758687	10.0	1587835.0	1.751737	Y
6	ICIS 410-452392/18	10.0	18.748328	10.0	1597591.0	1.874833	Y
7	IC 410-452392/19	25.0	44.488065	10.0	1630500.0	1.779523	Y



Calibration / 4-Bromofluorobenzene (Surr)

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

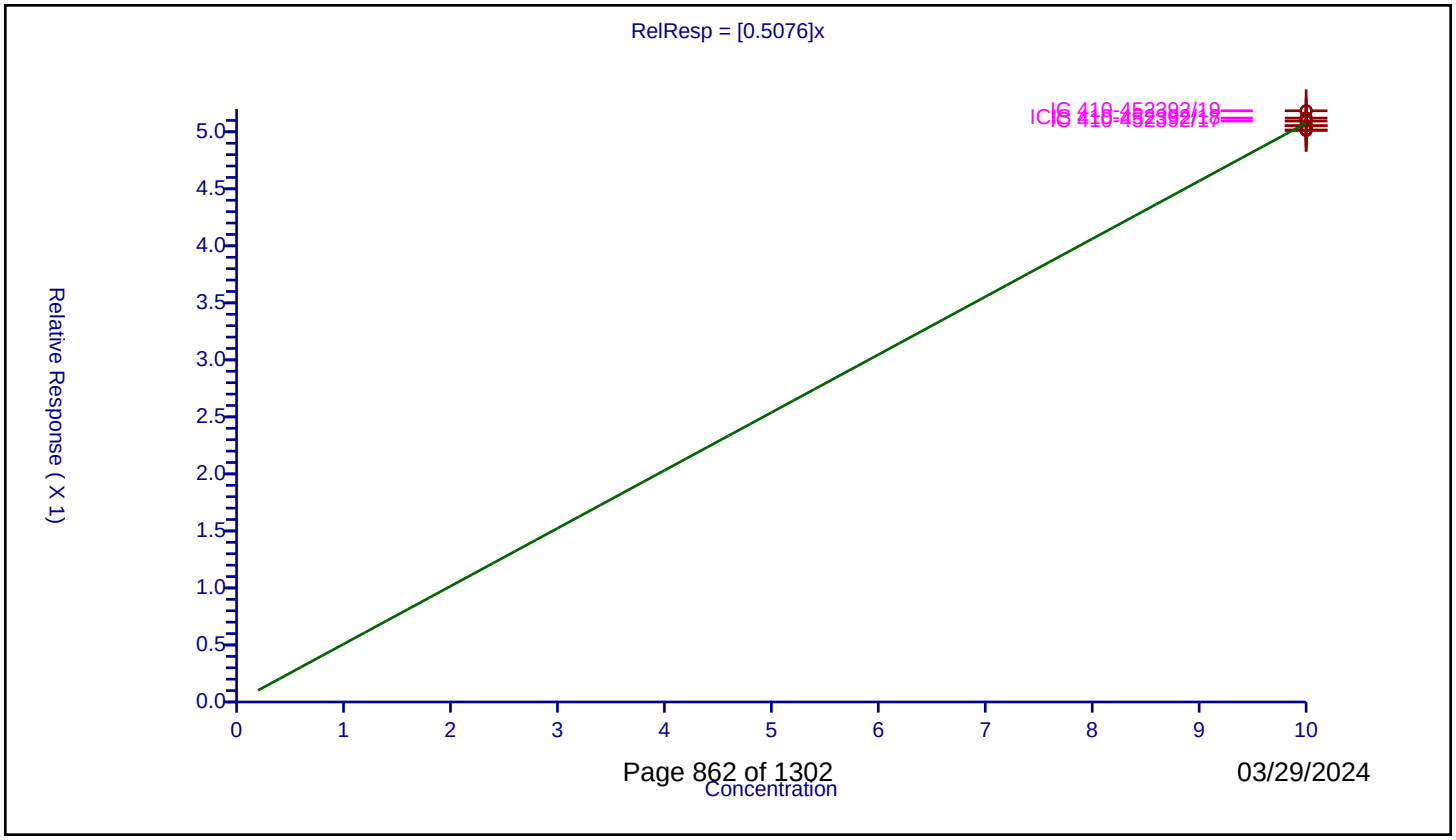
Curve Coefficients

Intercept:	0
Slope:	0.5076

Error Coefficients

Standard Error:	875000
Relative Standard Error:	1.2
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	10.0	5.012309	10.0	1589112.0	0.501231	Y
2	IC 410-452392/14	10.0	5.0165	10.0	1583369.0	0.50165	Y
3	IC 410-452392/15	10.0	5.052889	10.0	1590219.0	0.505289	Y
4	IC 410-452392/16	10.0	5.053379	10.0	1583289.0	0.505338	Y
5	IC 410-452392/17	10.0	5.094415	10.0	1587835.0	0.509441	Y
6	ICIS 410-452392/18	10.0	5.120535	10.0	1597591.0	0.512053	Y
7	IC 410-452392/19	10.0	5.18468	10.0	1630500.0	0.518468	Y



Calibration / 1,1,2,2-Tetrachloroethane

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

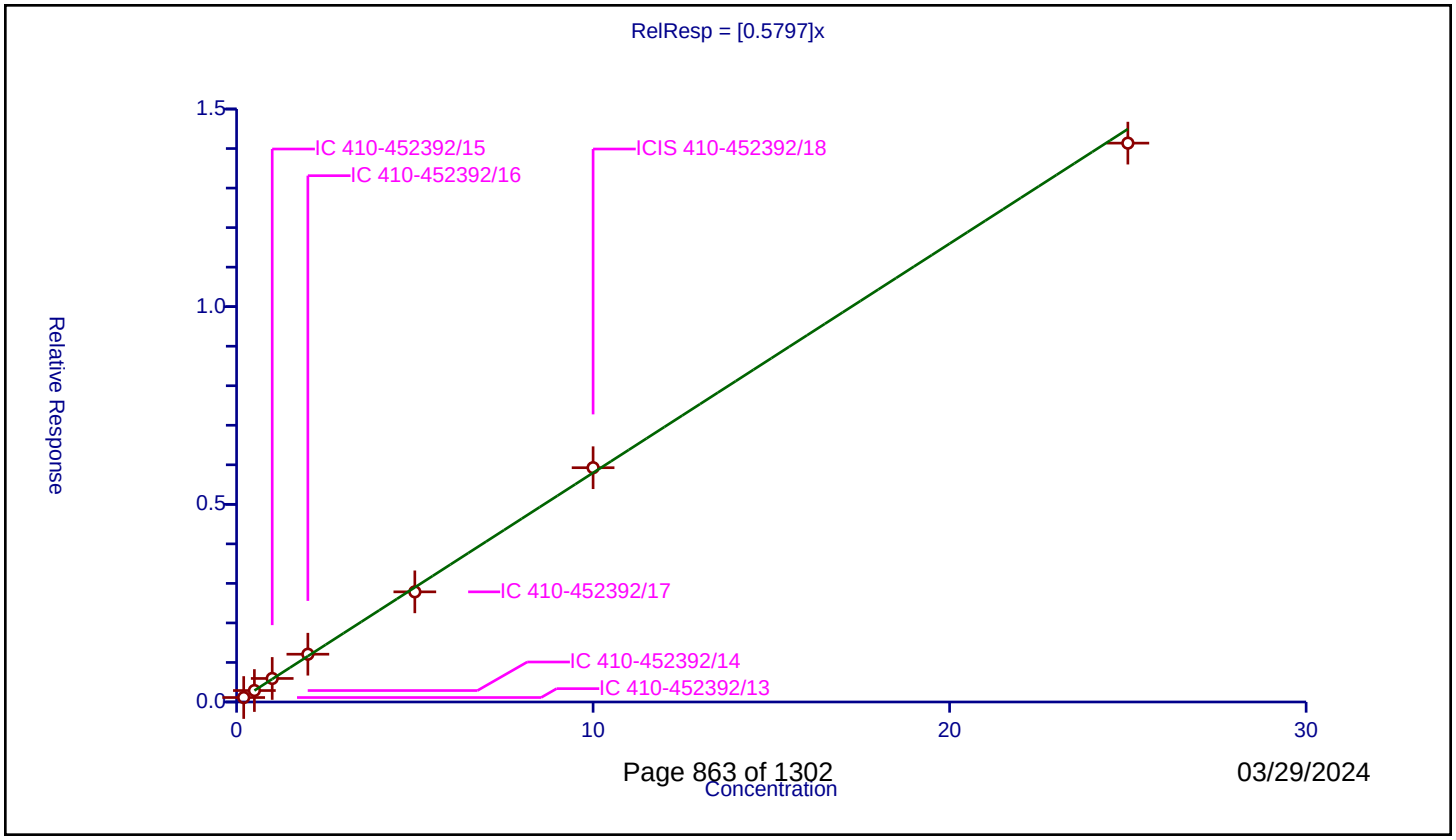
Curve Coefficients

Intercept:	0
Slope:	0.5797

Error Coefficients

Standard Error:	631000
Relative Standard Error:	3.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.11279	10.0	910627.0	0.563952	Y
2	IC 410-452392/14	0.5	0.289719	10.0	920721.0	0.579437	Y
3	IC 410-452392/15	1.0	0.595301	10.0	928387.0	0.595301	Y
4	IC 410-452392/16	2.0	1.208339	10.0	919328.0	0.60417	Y
5	IC 410-452392/17	5.0	2.786055	10.0	948445.0	0.557211	Y
6	ICIS 410-452392/18	10.0	5.926205	10.0	965542.0	0.592621	Y
7	IC 410-452392/19	25.0	14.136994	10.0	993545.0	0.56548	Y



Calibration / Bromobenzene

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

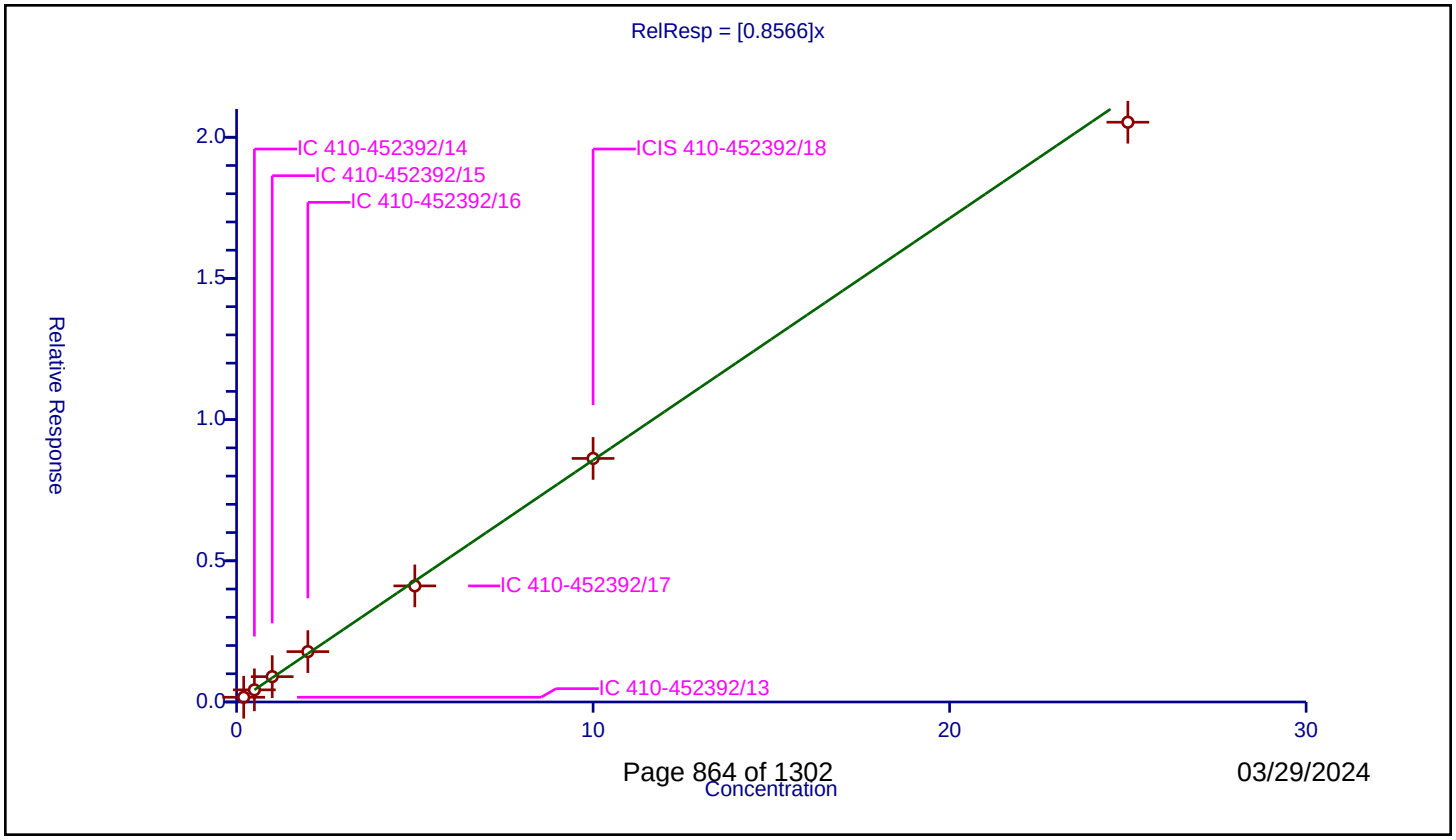
Curve Coefficients

Intercept:	0
Slope:	0.8566

Error Coefficients

Standard Error:	917000
Relative Standard Error:	3.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.167939	10.0	910627.0	0.839696	Y
2	IC 410-452392/14	0.5	0.43038	10.0	920721.0	0.86076	Y
3	IC 410-452392/15	1.0	0.89774	10.0	928387.0	0.89774	Y
4	IC 410-452392/16	2.0	1.78339	10.0	919328.0	0.891695	Y
5	IC 410-452392/17	5.0	4.111414	10.0	948445.0	0.822283	Y
6	ICIS 410-452392/18	10.0	8.626005	10.0	965542.0	0.8626	Y
7	IC 410-452392/19	25.0	20.532346	10.0	993545.0	0.821294	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

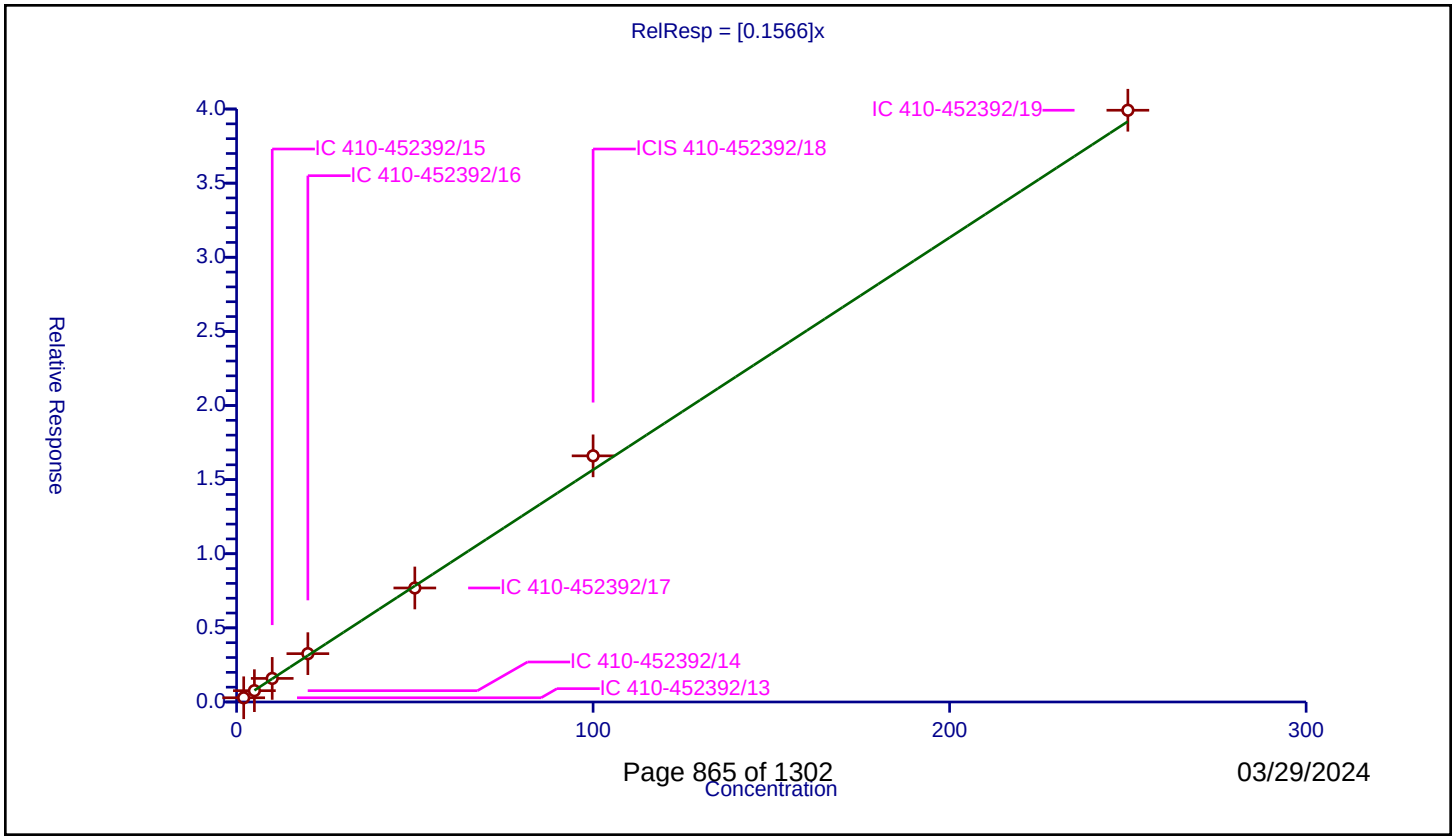
Curve Coefficients

Intercept:	0
Slope:	0.1566

Error Coefficients

Standard Error:	1780000
Relative Standard Error:	5.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	2.0	0.284815	10.0	910627.0	0.142407	Y
2	IC 410-452392/14	5.0	0.762815	10.0	920721.0	0.152563	Y
3	IC 410-452392/15	10.0	1.590177	10.0	928387.0	0.159018	Y
4	IC 410-452392/16	20.0	3.259805	10.0	919328.0	0.16299	Y
5	IC 410-452392/17	50.0	7.690441	10.0	948445.0	0.153809	Y
6	ICIS 410-452392/18	100.0	16.6034	10.0	965542.0	0.166034	Y
7	IC 410-452392/19	250.0	39.916491	10.0	993545.0	0.159666	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

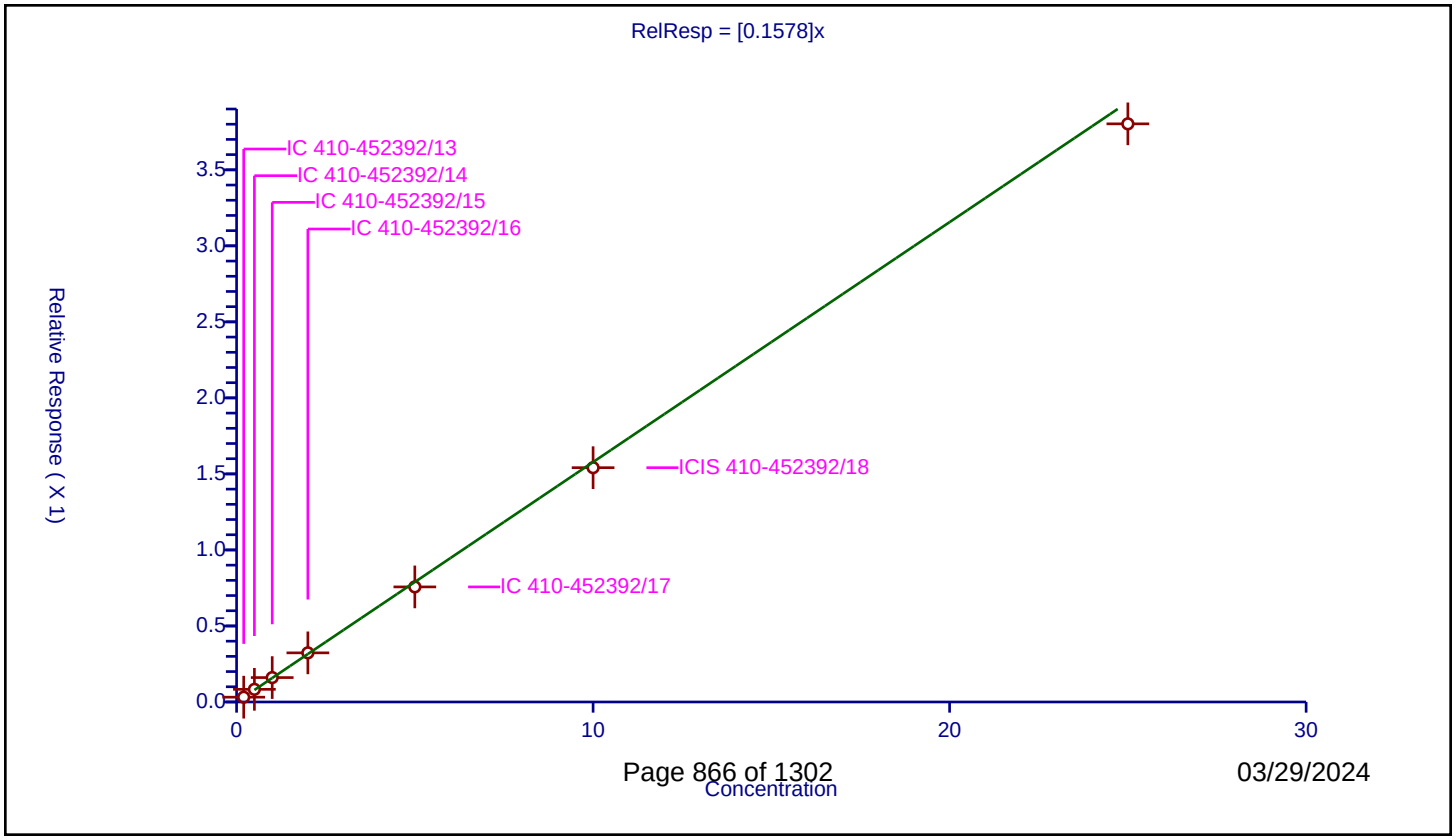
Curve Coefficients

Intercept:	0
Slope:	0.1578

Error Coefficients

Standard Error:	169000
Relative Standard Error:	3.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.031725	10.0	910627.0	0.158627	Y
2	IC 410-452392/14	0.5	0.083196	10.0	920721.0	0.166391	Y
3	IC 410-452392/15	1.0	0.160483	10.0	928387.0	0.160483	Y
4	IC 410-452392/16	2.0	0.323073	10.0	919328.0	0.161536	Y
5	IC 410-452392/17	5.0	0.756965	10.0	948445.0	0.151393	Y
6	ICIS 410-452392/18	10.0	1.540969	10.0	965542.0	0.154097	Y
7	IC 410-452392/19	25.0	3.802445	10.0	993545.0	0.152098	Y



Calibration / N-Propylbenzene

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

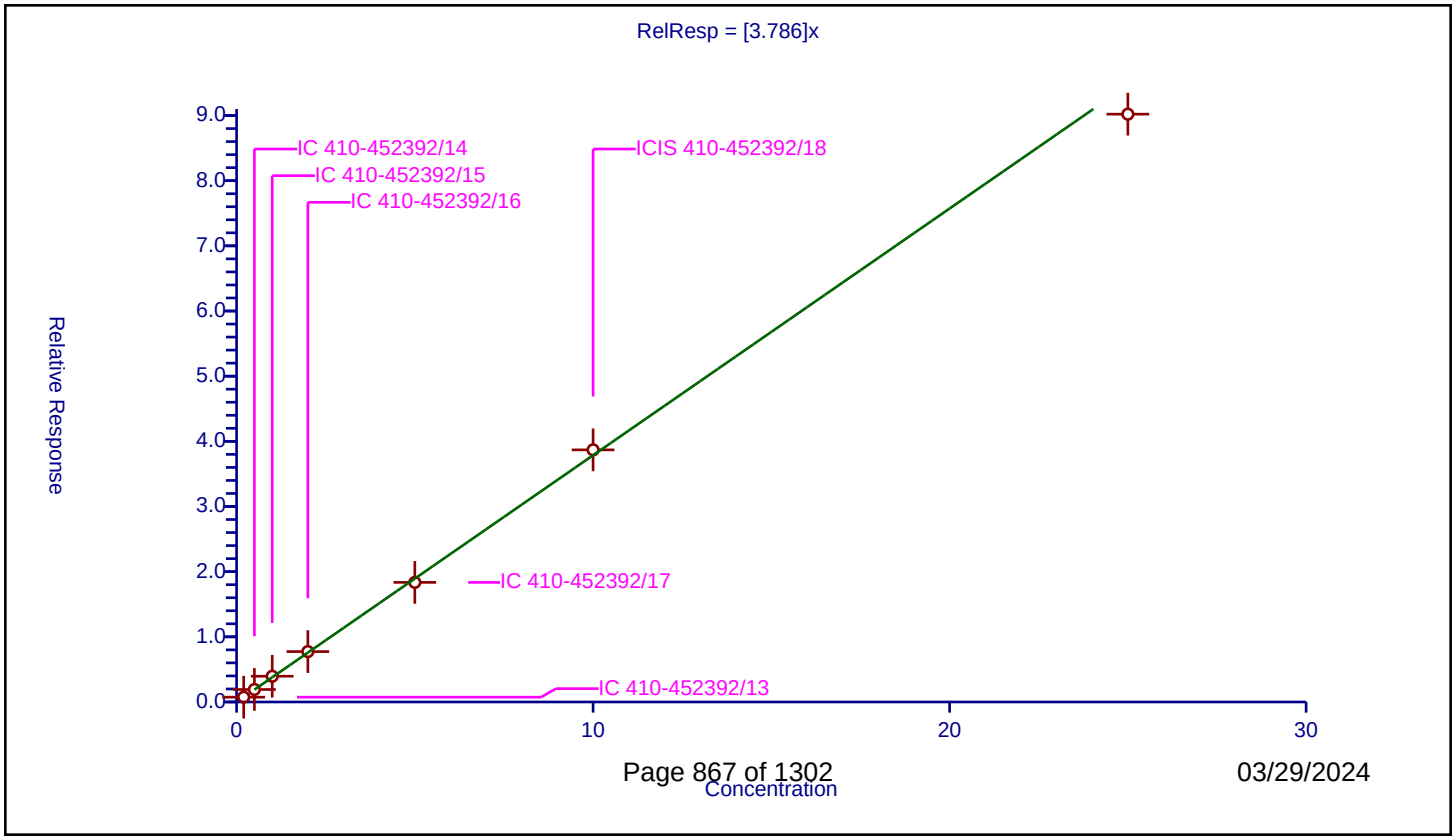
Curve Coefficients

Intercept:	0
Slope:	3.786

Error Coefficients

Standard Error:	4040000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.739677	10.0	910627.0	3.698386	Y
2	IC 410-452392/14	0.5	1.919202	10.0	920721.0	3.838405	Y
3	IC 410-452392/15	1.0	3.950809	10.0	928387.0	3.950809	Y
4	IC 410-452392/16	2.0	7.736412	10.0	919328.0	3.868206	Y
5	IC 410-452392/17	5.0	18.354464	10.0	948445.0	3.670893	Y
6	ICIS 410-452392/18	10.0	38.692941	10.0	965542.0	3.869294	Y
7	IC 410-452392/19	25.0	90.210891	10.0	993545.0	3.608436	Y



Calibration / 2-Chlorotoluene

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

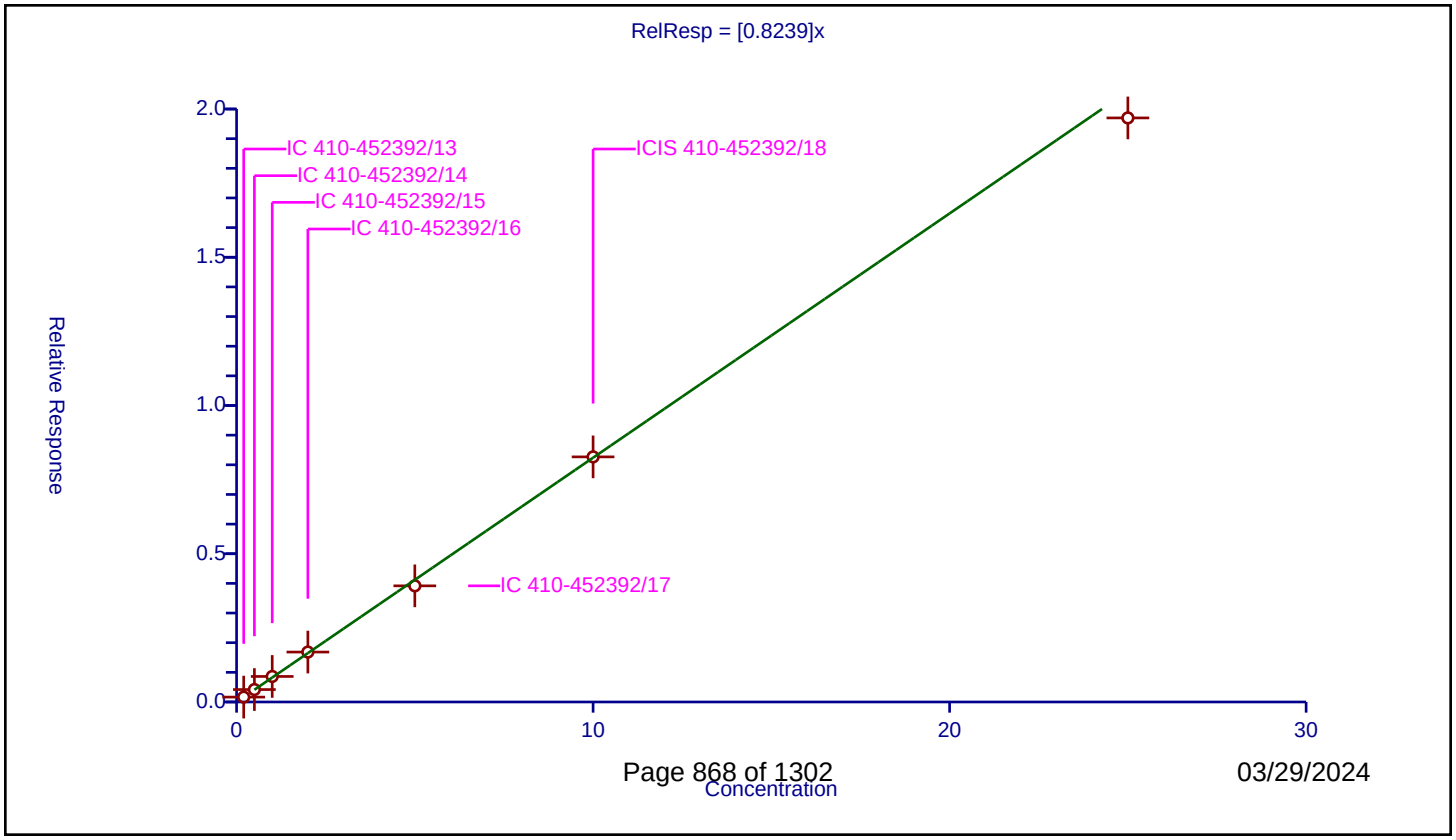
Curve Coefficients

Intercept:	0
Slope:	0.8239

Error Coefficients

Standard Error:	879000
Relative Standard Error:	3.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.165161	10.0	910627.0	0.825805	Y
2	IC 410-452392/14	0.5	0.419932	10.0	920721.0	0.839864	Y
3	IC 410-452392/15	1.0	0.860966	10.0	928387.0	0.860966	Y
4	IC 410-452392/16	2.0	1.684546	10.0	919328.0	0.842273	Y
5	IC 410-452392/17	5.0	3.917728	10.0	948445.0	0.783546	Y
6	ICIS 410-452392/18	10.0	8.266973	10.0	965542.0	0.826697	Y
7	IC 410-452392/19	25.0	19.699198	10.0	993545.0	0.787968	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

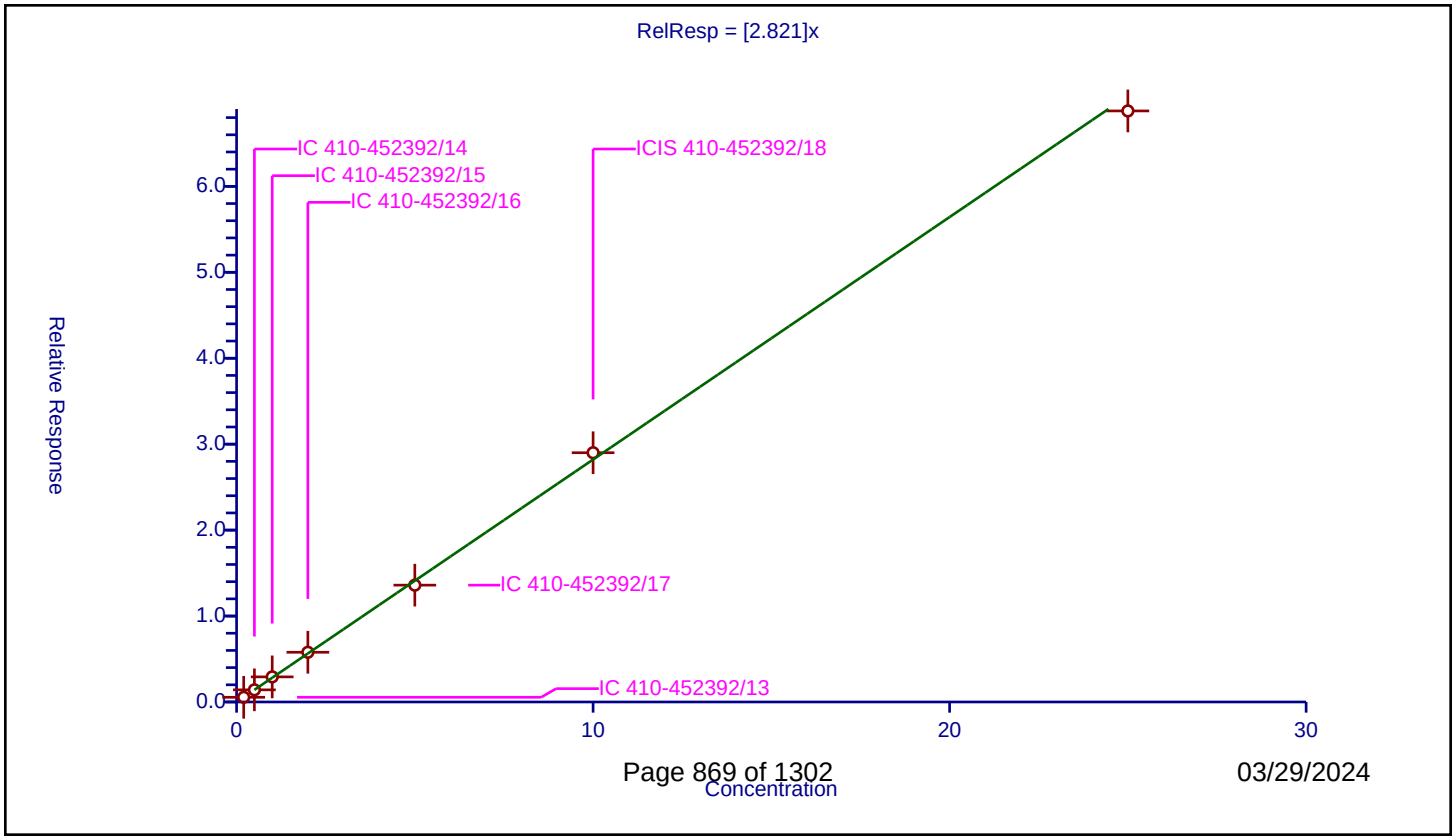
Curve Coefficients

Intercept:	0
Slope:	2.821

Error Coefficients

Standard Error:	3070000
Relative Standard Error:	3.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.548106	10.0	910627.0	2.740529	Y
2	IC 410-452392/14	0.5	1.412035	10.0	920721.0	2.824069	Y
3	IC 410-452392/15	1.0	2.922639	10.0	928387.0	2.922639	Y
4	IC 410-452392/16	2.0	5.784181	10.0	919328.0	2.892091	Y
5	IC 410-452392/17	5.0	13.595728	10.0	948445.0	2.719146	Y
6	ICIS 410-452392/18	10.0	29.005098	10.0	965542.0	2.90051	Y
7	IC 410-452392/19	25.0	68.775617	10.0	993545.0	2.751025	Y



Calibration / 4-Chlorotoluene

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

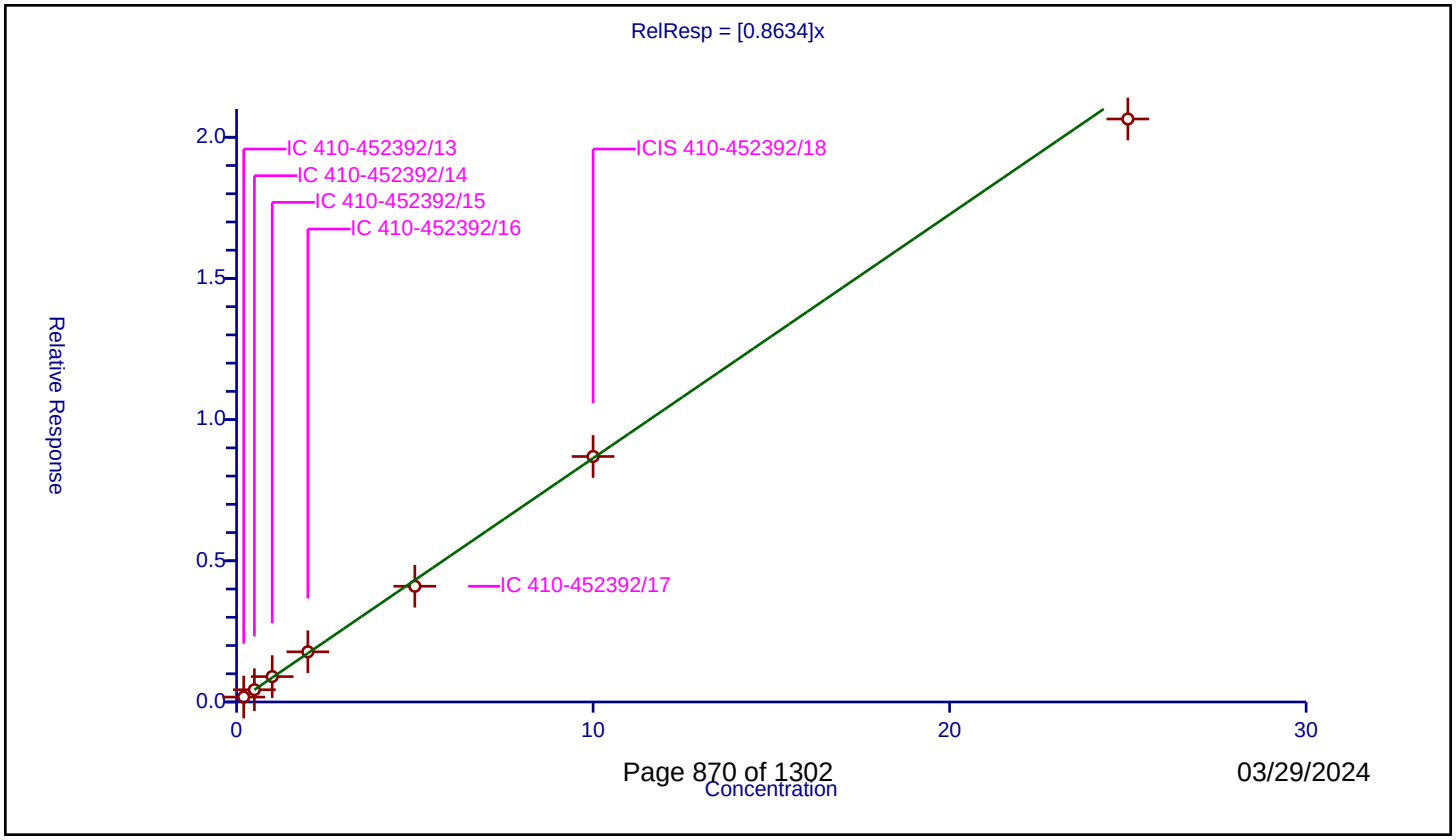
Curve Coefficients

Intercept:	0
Slope:	0.8634

Error Coefficients

Standard Error:	922000
Relative Standard Error:	3.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.174539	10.0	910627.0	0.872695	Y
2	IC 410-452392/14	0.5	0.433845	10.0	920721.0	0.86769	Y
3	IC 410-452392/15	1.0	0.899517	10.0	928387.0	0.899517	Y
4	IC 410-452392/16	2.0	1.777124	10.0	919328.0	0.888562	Y
5	IC 410-452392/17	5.0	4.099183	10.0	948445.0	0.819837	Y
6	ICIS 410-452392/18	10.0	8.694257	10.0	965542.0	0.869426	Y
7	IC 410-452392/19	25.0	20.646936	10.0	993545.0	0.825877	Y



Calibration / tert-Butylbenzene

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

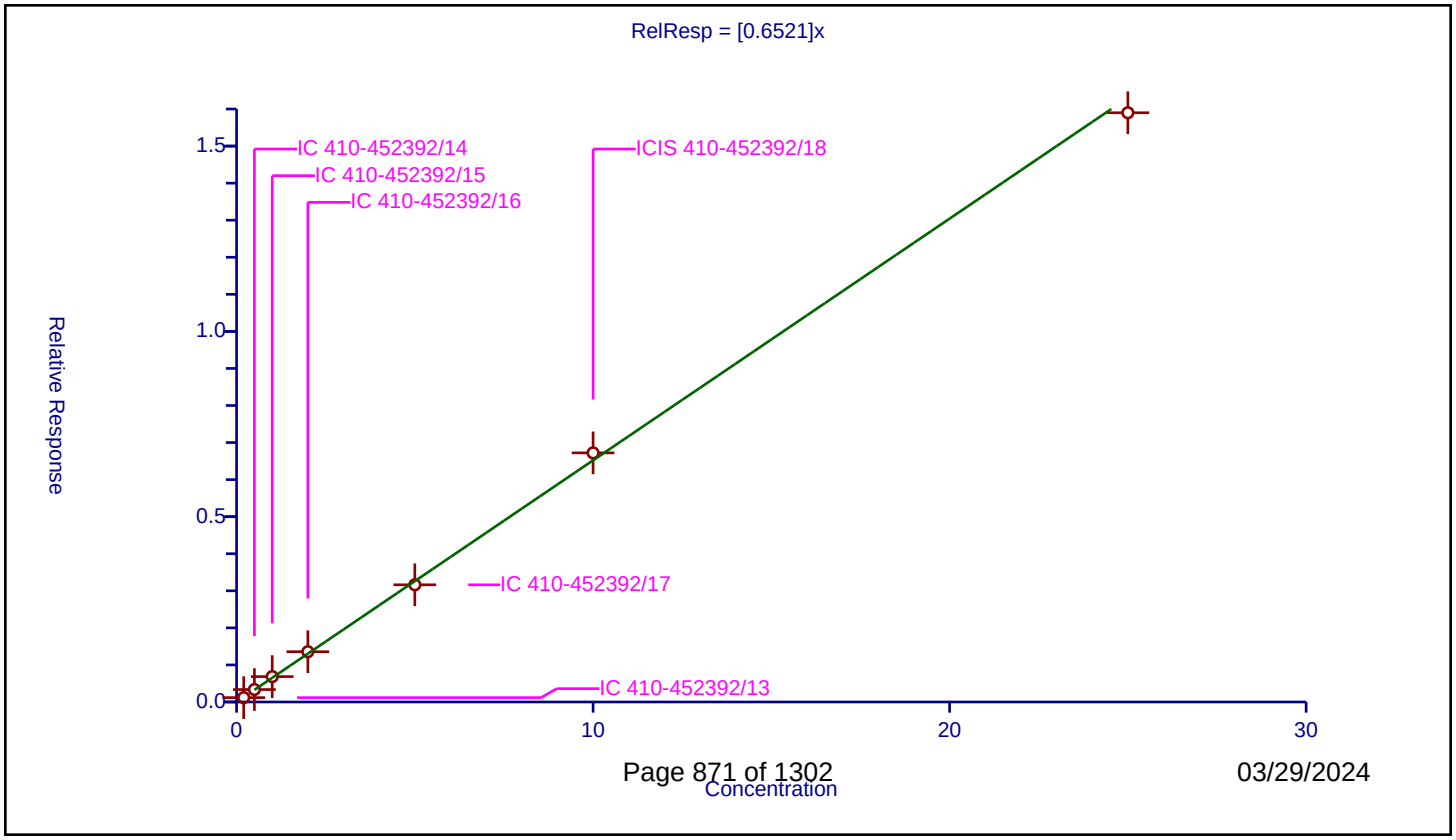
Curve Coefficients

Intercept:	0
Slope:	0.6521

Error Coefficients

Standard Error:	710000
Relative Standard Error:	5.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.117974	10.0	910627.0	0.589868	Y
2	IC 410-452392/14	0.5	0.335769	10.0	920721.0	0.671539	Y
3	IC 410-452392/15	1.0	0.684531	10.0	928387.0	0.684531	Y
4	IC 410-452392/16	2.0	1.356349	10.0	919328.0	0.678175	Y
5	IC 410-452392/17	5.0	3.162239	10.0	948445.0	0.632448	Y
6	ICIS 410-452392/18	10.0	6.721396	10.0	965542.0	0.67214	Y
7	IC 410-452392/19	25.0	15.899582	10.0	993545.0	0.635983	Y



Calibration / Pentachloroethane

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

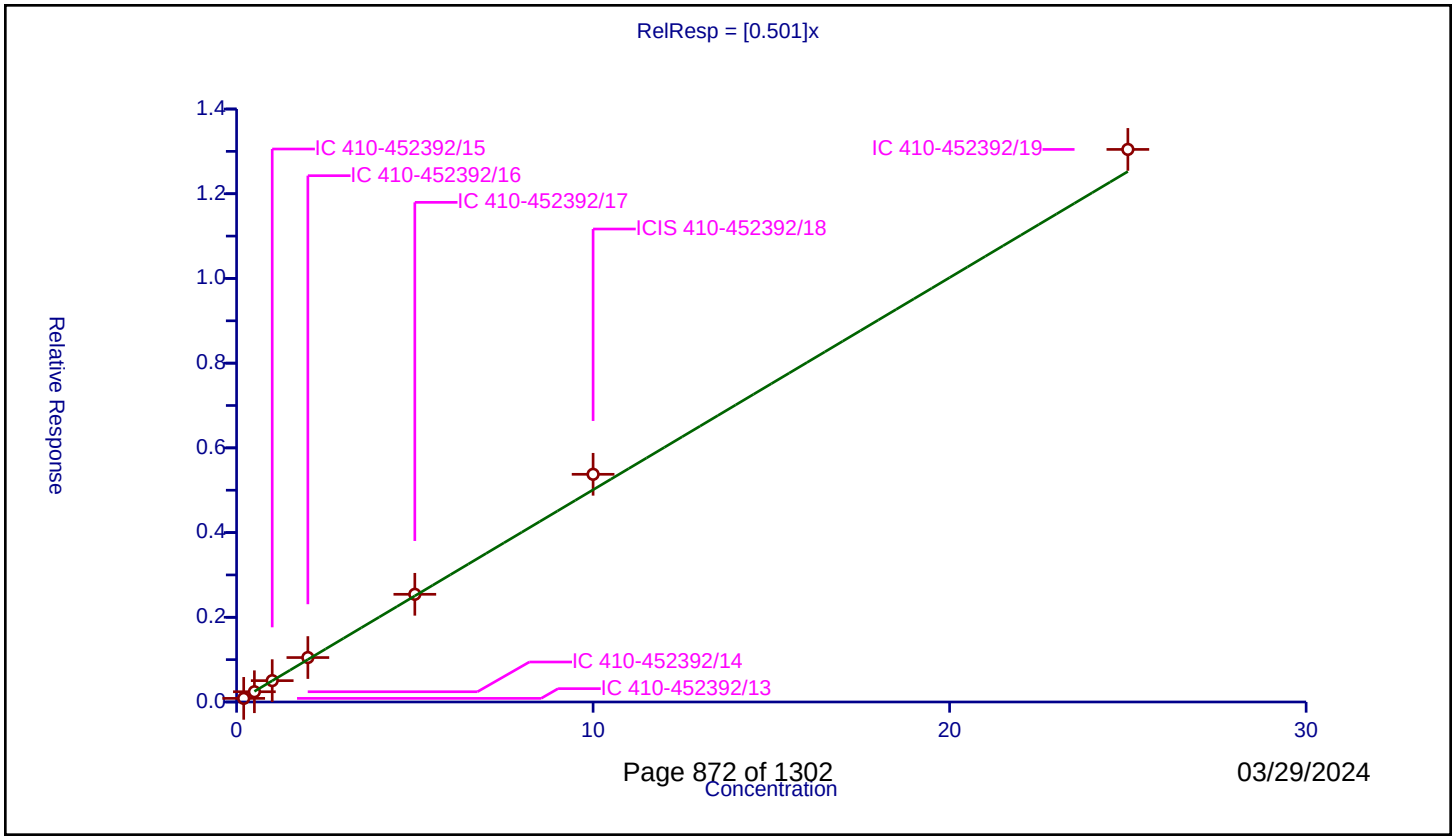
Curve Coefficients

Intercept:	0
Slope:	0.501

Error Coefficients

Standard Error:	580000
Relative Standard Error:	7.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.085348	10.0	910627.0	0.426739	Y
2	IC 410-452392/14	0.5	0.241778	10.0	920721.0	0.483556	Y
3	IC 410-452392/15	1.0	0.504014	10.0	928387.0	0.504014	Y
4	IC 410-452392/16	2.0	1.049397	10.0	919328.0	0.524698	Y
5	IC 410-452392/17	5.0	2.542636	10.0	948445.0	0.508527	Y
6	ICIS 410-452392/18	10.0	5.37554	10.0	965542.0	0.537554	Y
7	IC 410-452392/19	25.0	13.046163	10.0	993545.0	0.521847	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

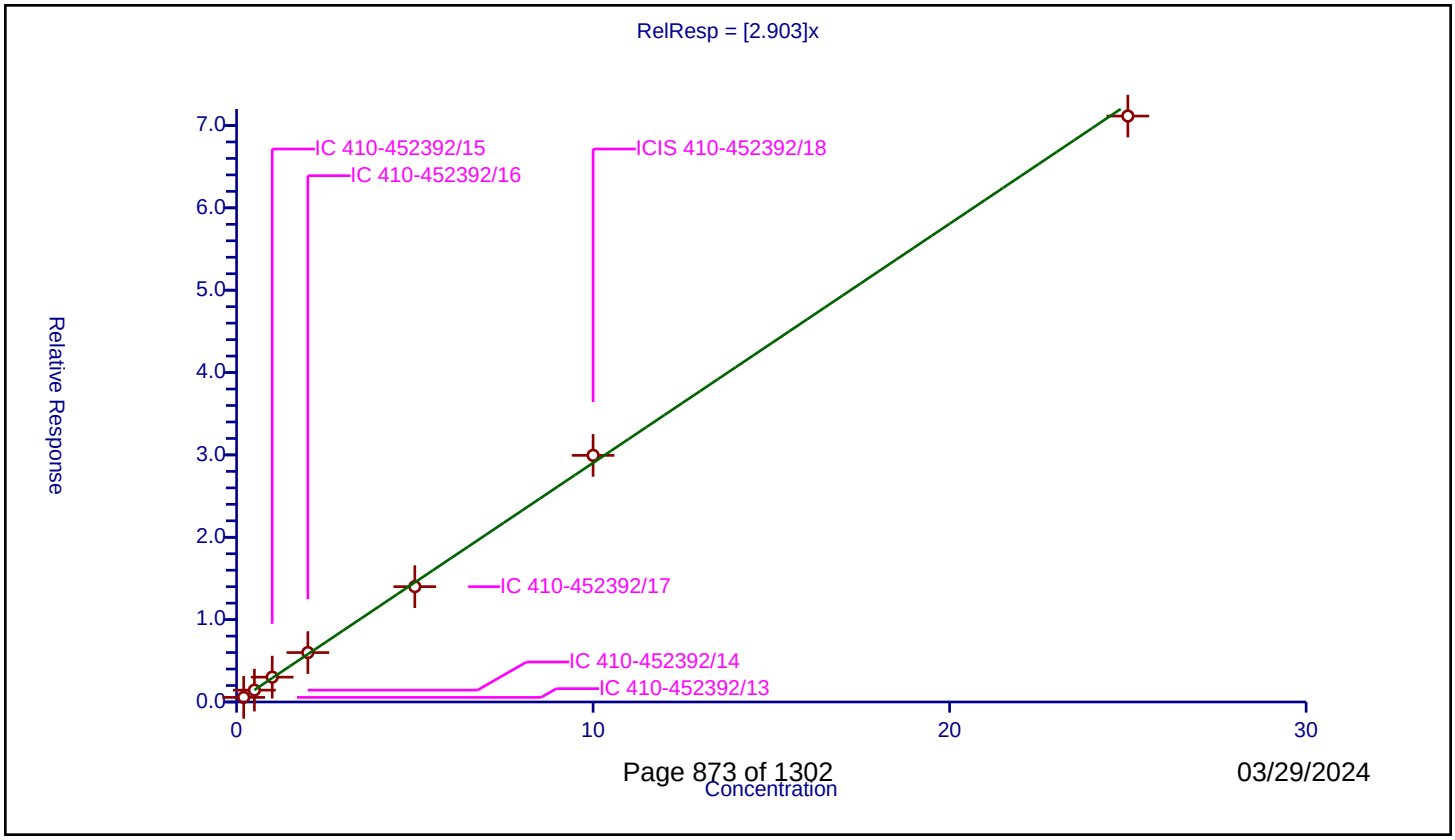
Curve Coefficients

Intercept:	0
Slope:	2.903

Error Coefficients

Standard Error:	3180000
Relative Standard Error:	3.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.557253	10.0	910627.0	2.786267	Y
2	IC 410-452392/14	0.5	1.439285	10.0	920721.0	2.87857	Y
3	IC 410-452392/15	1.0	3.016695	10.0	928387.0	3.016695	Y
4	IC 410-452392/16	2.0	6.000622	10.0	919328.0	3.000311	Y
5	IC 410-452392/17	5.0	14.006442	10.0	948445.0	2.801288	Y
6	ICIS 410-452392/18	10.0	29.947087	10.0	965542.0	2.994709	Y
7	IC 410-452392/19	25.0	71.144367	10.0	993545.0	2.845775	Y



Calibration / sec-Butylbenzene

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

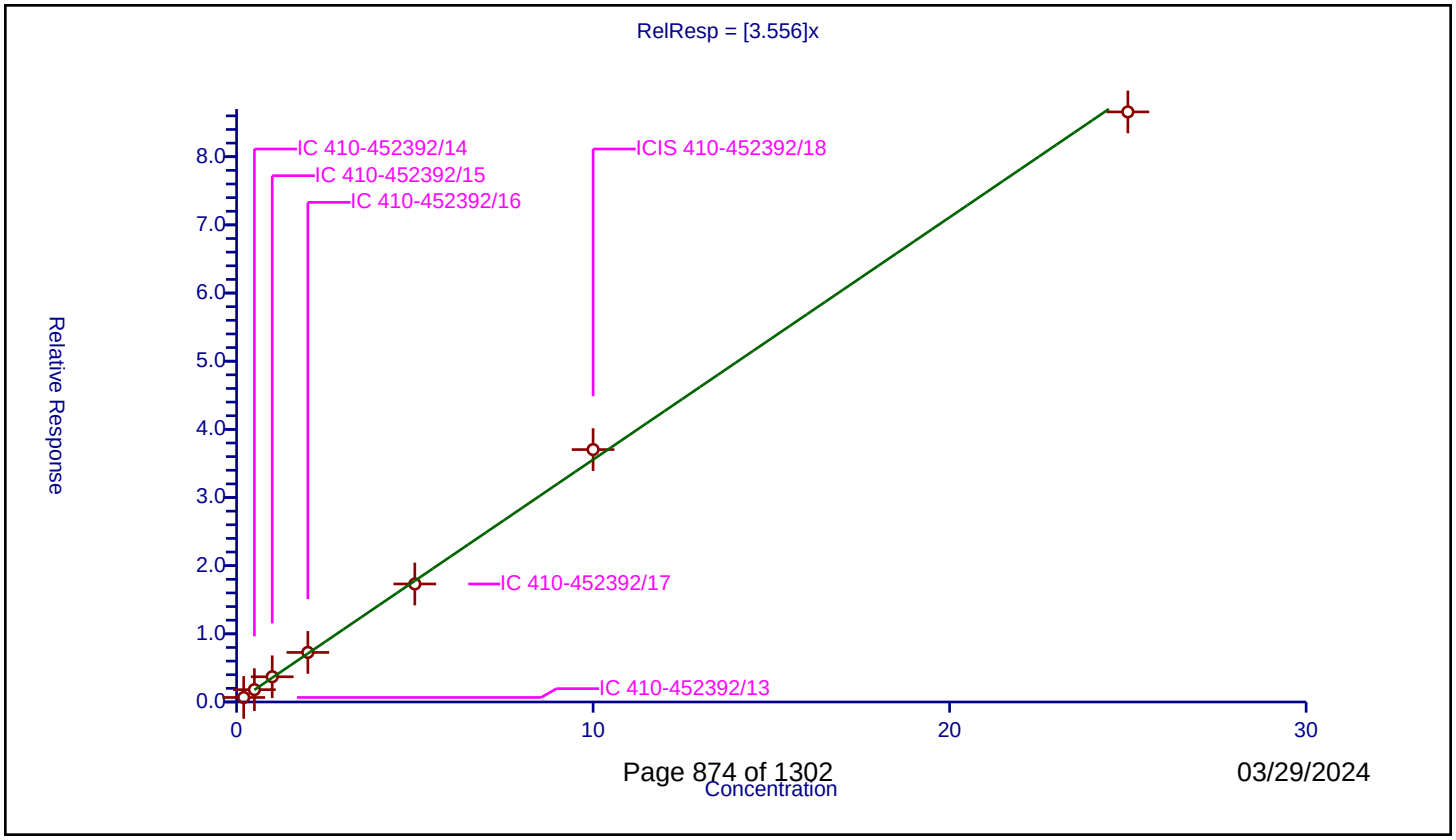
Curve Coefficients

Intercept:	0
Slope:	3.556

Error Coefficients

Standard Error:	3870000
Relative Standard Error:	4.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.661204	10.0	910627.0	3.306019	Y
2	IC 410-452392/14	0.5	1.808724	10.0	920721.0	3.617448	Y
3	IC 410-452392/15	1.0	3.70031	10.0	928387.0	3.70031	Y
4	IC 410-452392/16	2.0	7.272856	10.0	919328.0	3.636428	Y
5	IC 410-452392/17	5.0	17.313634	10.0	948445.0	3.462727	Y
6	ICIS 410-452392/18	10.0	37.03348	10.0	965542.0	3.703348	Y
7	IC 410-452392/19	25.0	86.578585	10.0	993545.0	3.463143	Y



Calibration / 1,3-Dichlorobenzene

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

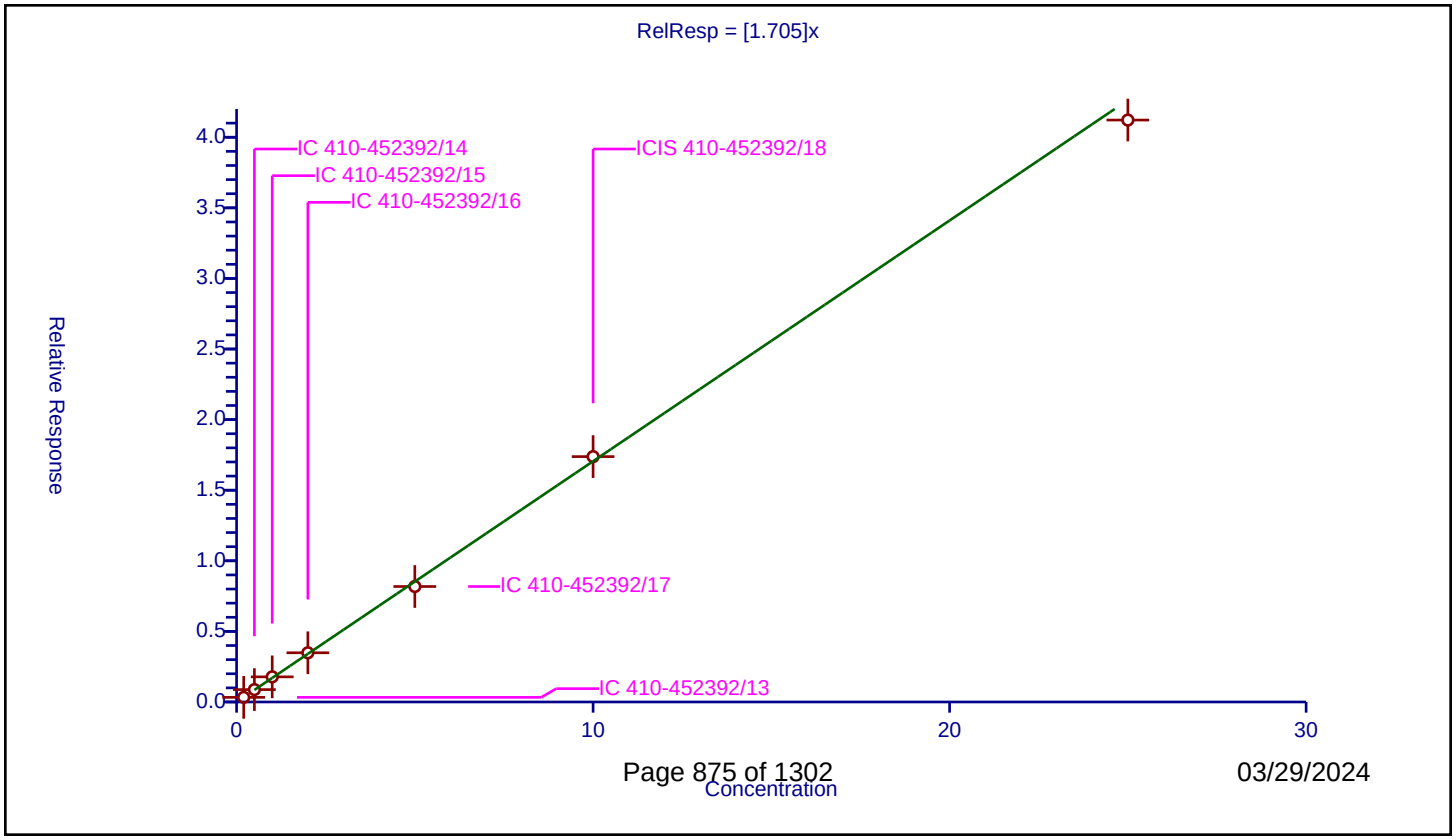
Curve Coefficients

Intercept:	0
Slope:	1.705

Error Coefficients

Standard Error:	1840000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.327049	10.0	910627.0	1.635247	Y
2	IC 410-452392/14	0.5	0.877986	10.0	920721.0	1.755972	Y
3	IC 410-452392/15	1.0	1.780184	10.0	928387.0	1.780184	Y
4	IC 410-452392/16	2.0	3.484795	10.0	919328.0	1.742398	Y
5	IC 410-452392/17	5.0	8.179852	10.0	948445.0	1.63597	Y
6	ICIS 410-452392/18	10.0	17.380518	10.0	965542.0	1.738052	Y
7	IC 410-452392/19	25.0	41.218596	10.0	993545.0	1.648744	Y



Calibration / 4-Isopropyltoluene

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

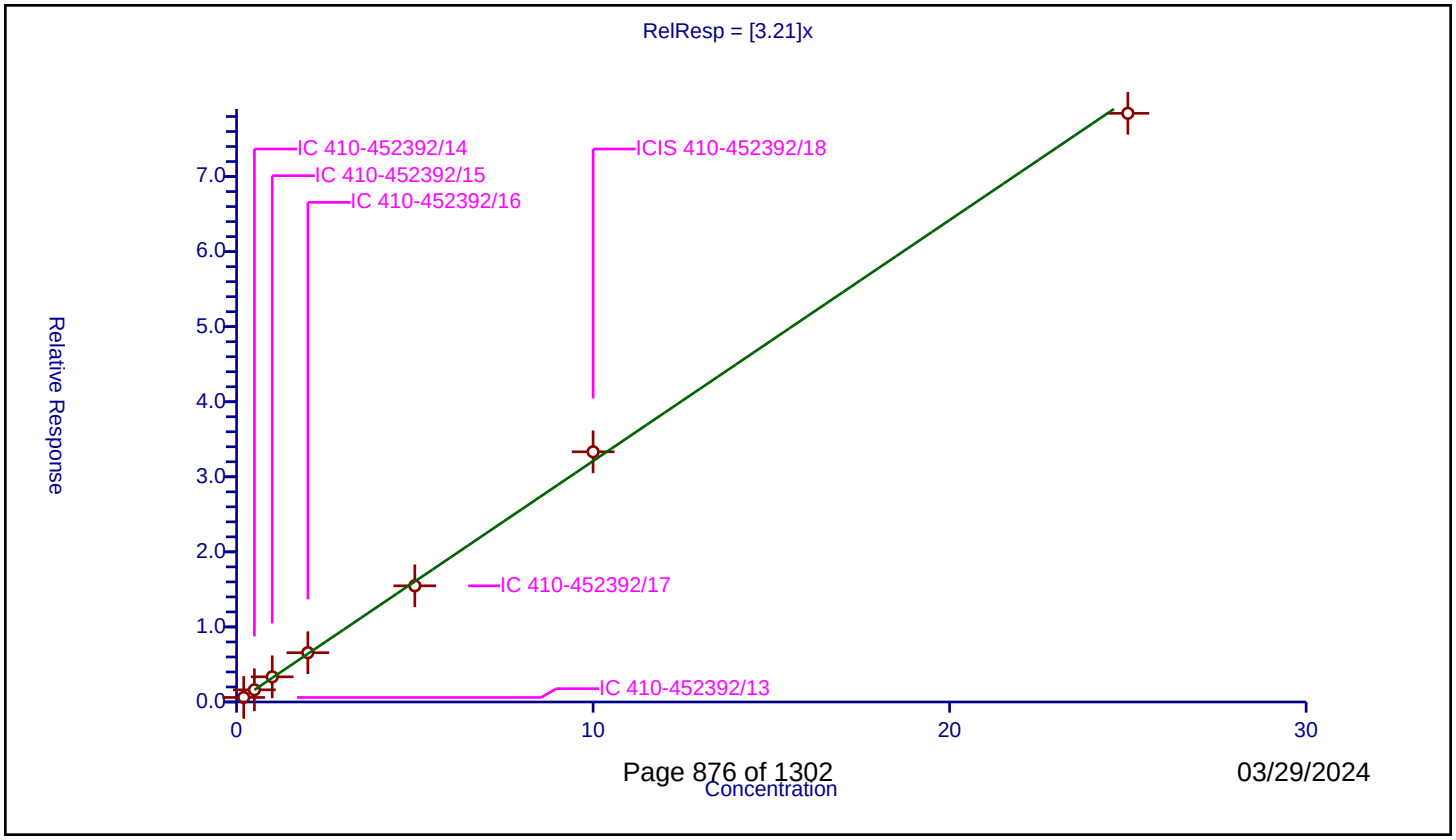
Curve Coefficients

Intercept:	0
Slope:	3.21

Error Coefficients

Standard Error:	3510000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.606143	10.0	910627.0	3.030714	Y
2	IC 410-452392/14	0.5	1.620111	10.0	920721.0	3.240222	Y
3	IC 410-452392/15	1.0	3.350661	10.0	928387.0	3.350661	Y
4	IC 410-452392/16	2.0	6.568602	10.0	919328.0	3.284301	Y
5	IC 410-452392/17	5.0	15.478093	10.0	948445.0	3.095619	Y
6	ICIS 410-452392/18	10.0	33.332626	10.0	965542.0	3.333263	Y
7	IC 410-452392/19	25.0	78.429674	10.0	993545.0	3.137187	Y



Calibration / 1,4-Dichlorobenzene

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

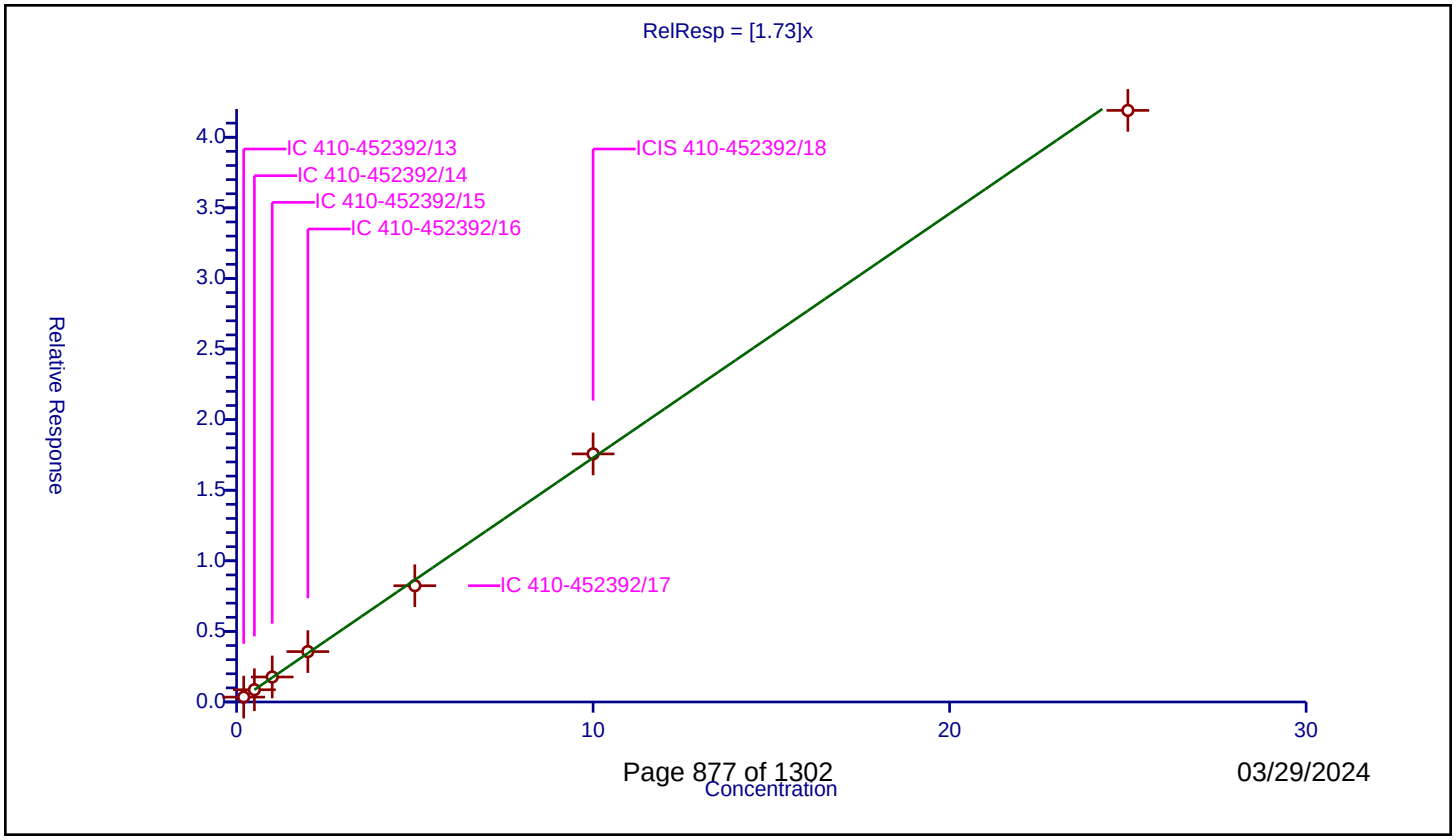
Curve Coefficients

Intercept:	0
Slope:	1.73

Error Coefficients

Standard Error:	1870000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.347244	10.0	910627.0	1.736221	Y
2	IC 410-452392/14	0.5	0.867635	10.0	920721.0	1.735271	Y
3	IC 410-452392/15	1.0	1.770566	10.0	928387.0	1.770566	Y
4	IC 410-452392/16	2.0	3.56927	10.0	919328.0	1.784635	Y
5	IC 410-452392/17	5.0	8.235143	10.0	948445.0	1.647029	Y
6	ICIS 410-452392/18	10.0	17.571654	10.0	965542.0	1.757165	Y
7	IC 410-452392/19	25.0	41.902652	10.0	993545.0	1.676106	Y



Calibration / 1,2,3-Trimethylbenzene

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

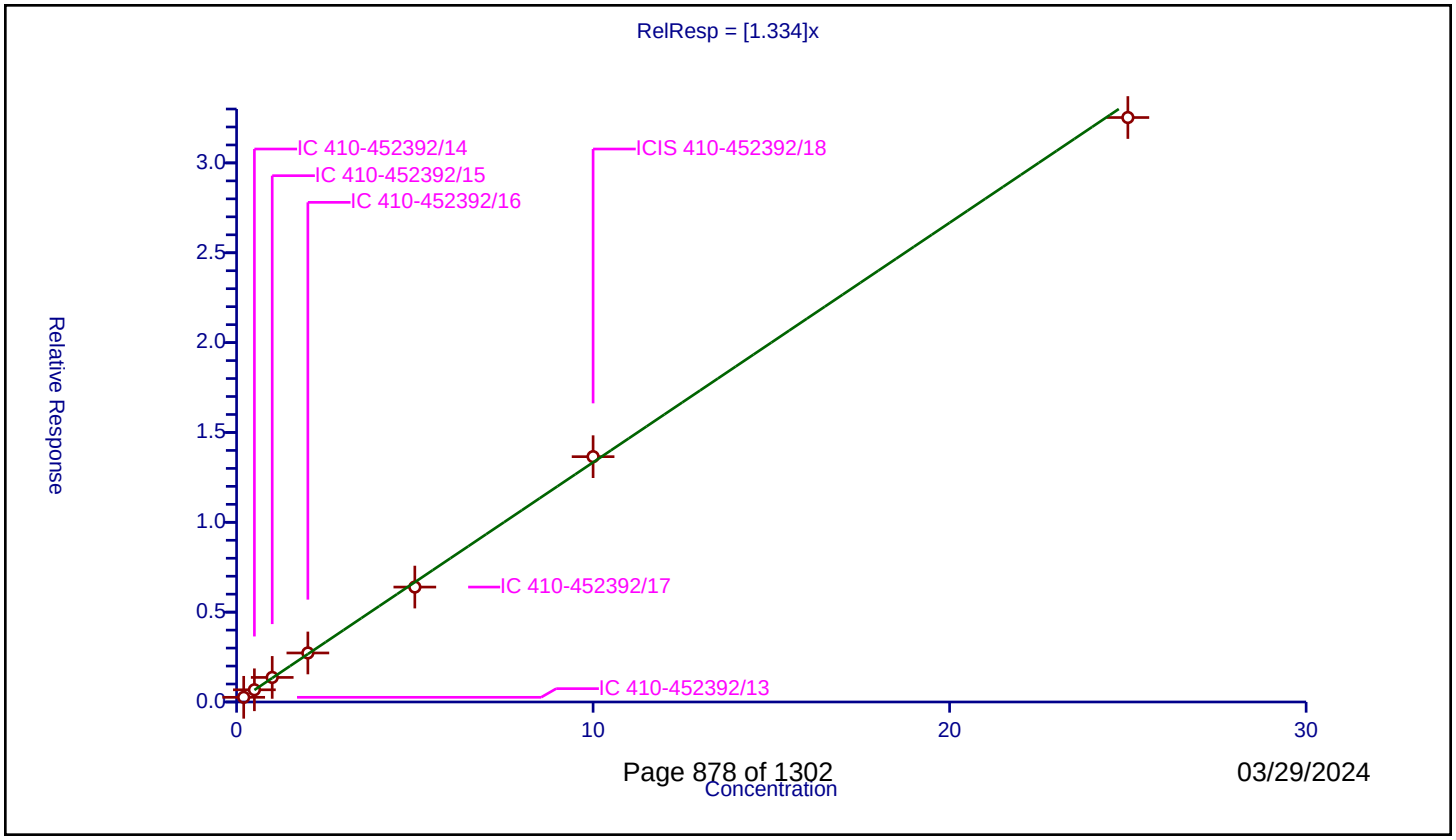
Curve Coefficients

Intercept:	0
Slope:	1.334

Error Coefficients

Standard Error:	1450000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.260238	10.0	910627.0	1.301191	Y
2	IC 410-452392/14	0.5	0.67824	10.0	920721.0	1.35648	Y
3	IC 410-452392/15	1.0	1.367749	10.0	928387.0	1.367749	Y
4	IC 410-452392/16	2.0	2.727895	10.0	919328.0	1.363947	Y
5	IC 410-452392/17	5.0	6.395532	10.0	948445.0	1.279106	Y
6	ICIS 410-452392/18	10.0	13.65286	10.0	965542.0	1.365286	Y
7	IC 410-452392/19	25.0	32.526639	10.0	993545.0	1.301066	Y



Calibration / Benzyl chloride

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

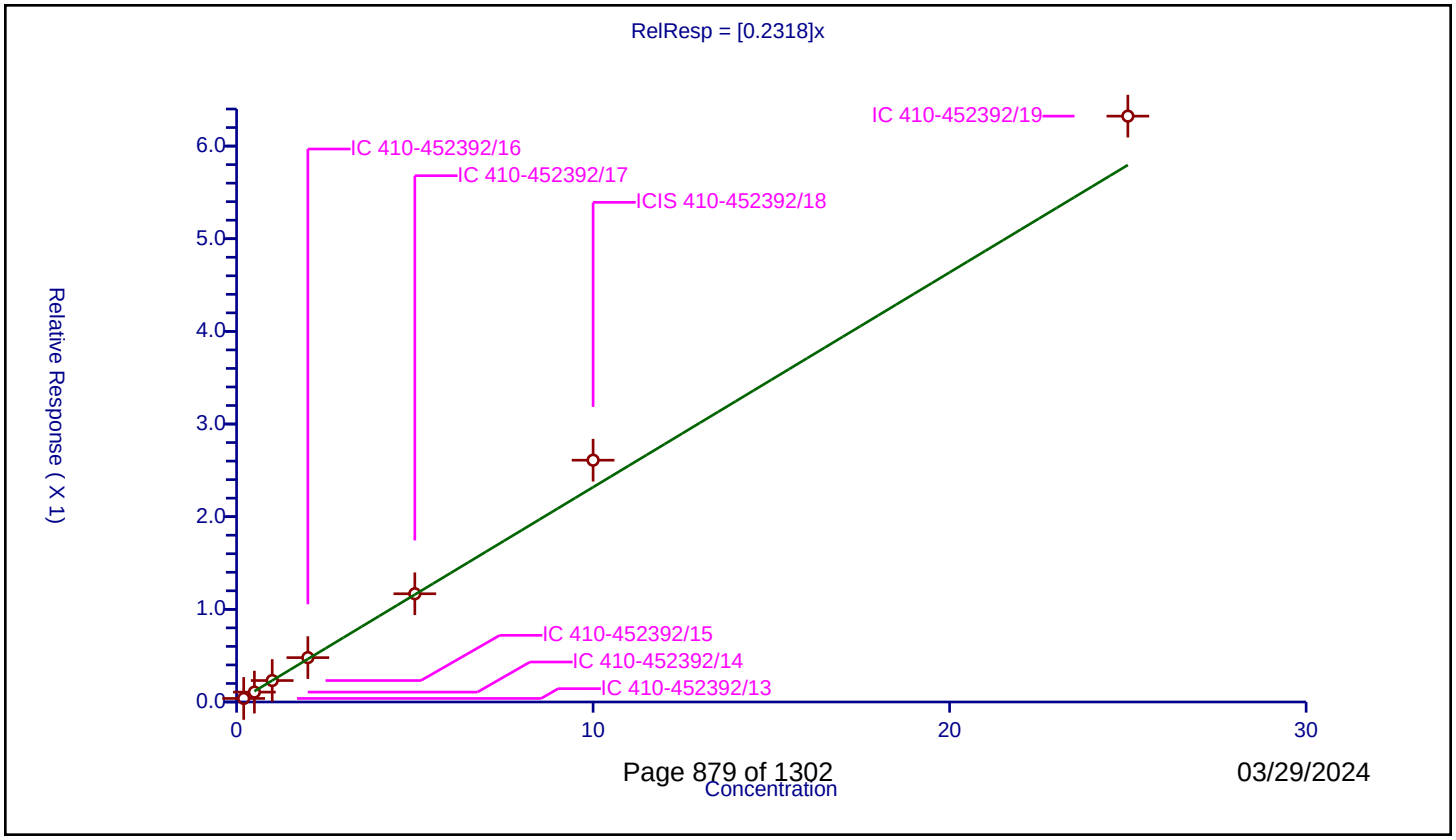
Curve Coefficients

Intercept:	0
Slope:	0.2318

Error Coefficients

Standard Error:	281000
Relative Standard Error:	10.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.038182	10.0	910627.0	0.190912	Y
2	IC 410-452392/14	0.5	0.106634	10.0	920721.0	0.213268	Y
3	IC 410-452392/15	1.0	0.23166	10.0	928387.0	0.23166	Y
4	IC 410-452392/16	2.0	0.47885	10.0	919328.0	0.239425	Y
5	IC 410-452392/17	5.0	1.168101	10.0	948445.0	0.23362	Y
6	ICIS 410-452392/18	10.0	2.609881	10.0	965542.0	0.260988	Y
7	IC 410-452392/19	25.0	6.323146	10.0	993545.0	0.252926	Y



Calibration / n-Butylbenzene

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

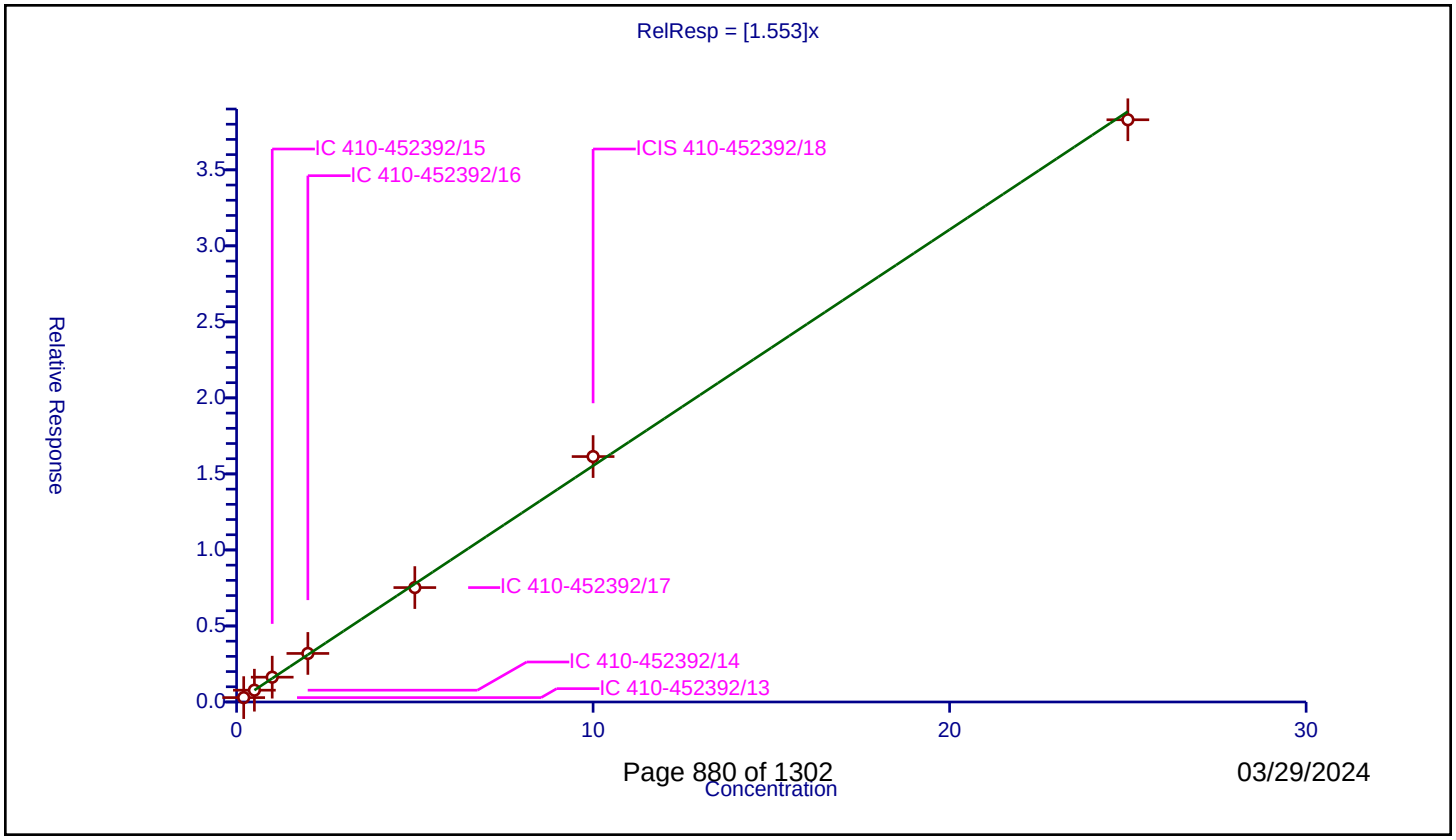
Curve Coefficients

Intercept:	0
Slope:	1.553

Error Coefficients

Standard Error:	1710000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.288702	10.0	910627.0	1.443511	Y
2	IC 410-452392/14	0.5	0.775642	10.0	920721.0	1.551284	Y
3	IC 410-452392/15	1.0	1.631766	10.0	928387.0	1.631766	Y
4	IC 410-452392/16	2.0	3.193354	10.0	919328.0	1.596677	Y
5	IC 410-452392/17	5.0	7.525054	10.0	948445.0	1.505011	Y
6	ICIS 410-452392/18	10.0	16.142384	10.0	965542.0	1.614238	Y
7	IC 410-452392/19	25.0	38.292418	10.0	993545.0	1.531697	Y



Calibration / 1,2-Dichlorobenzene

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

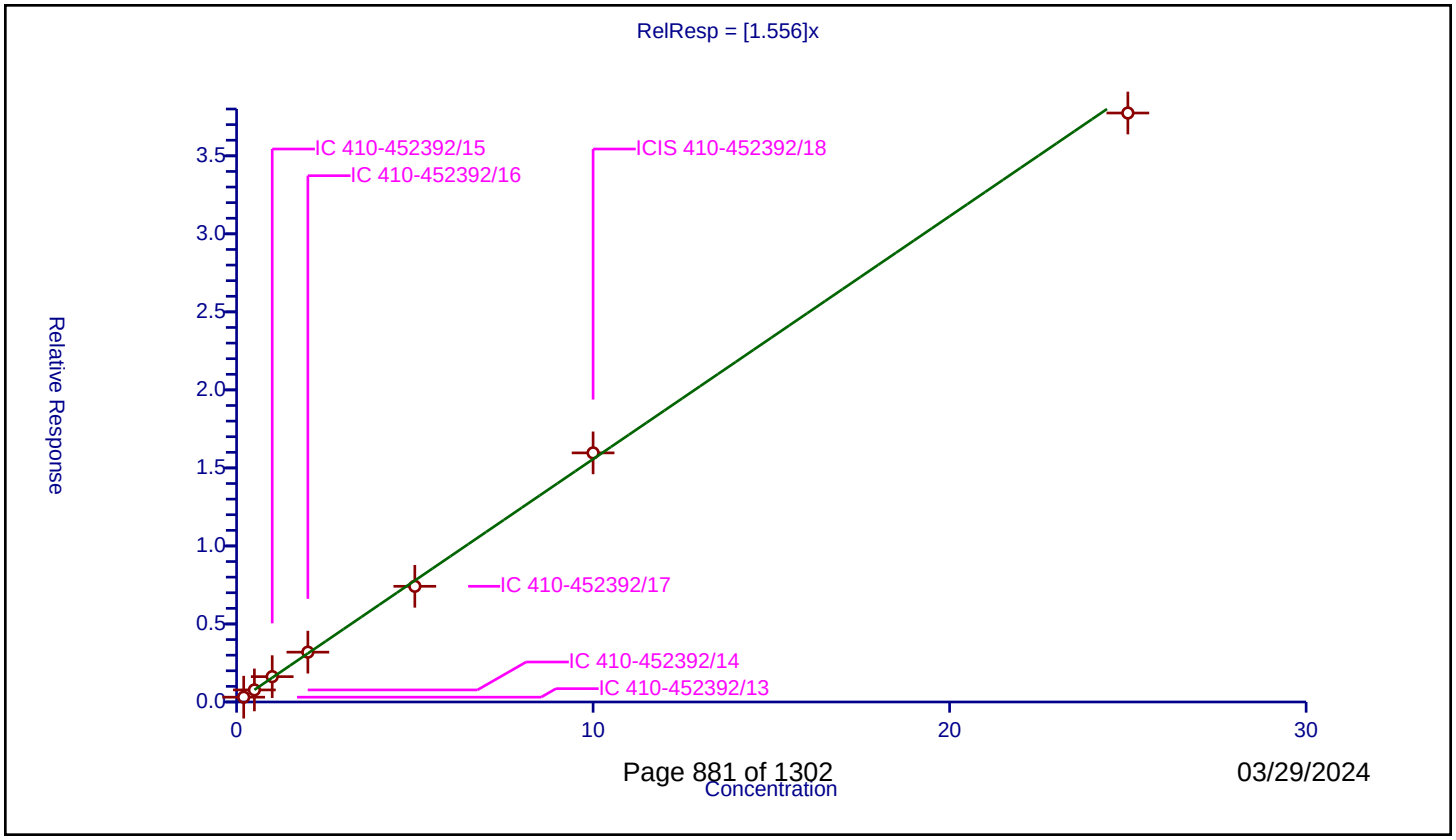
Curve Coefficients

Intercept:	0
Slope:	1.556

Error Coefficients

Standard Error:	1690000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.307942	10.0	910627.0	1.539708	Y
2	IC 410-452392/14	0.5	0.773155	10.0	920721.0	1.54631	Y
3	IC 410-452392/15	1.0	1.623579	10.0	928387.0	1.623579	Y
4	IC 410-452392/16	2.0	3.193224	10.0	919328.0	1.596612	Y
5	IC 410-452392/17	5.0	7.413503	10.0	948445.0	1.482701	Y
6	ICIS 410-452392/18	10.0	15.963852	10.0	965542.0	1.596385	Y
7	IC 410-452392/19	25.0	37.7428	10.0	993545.0	1.509712	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

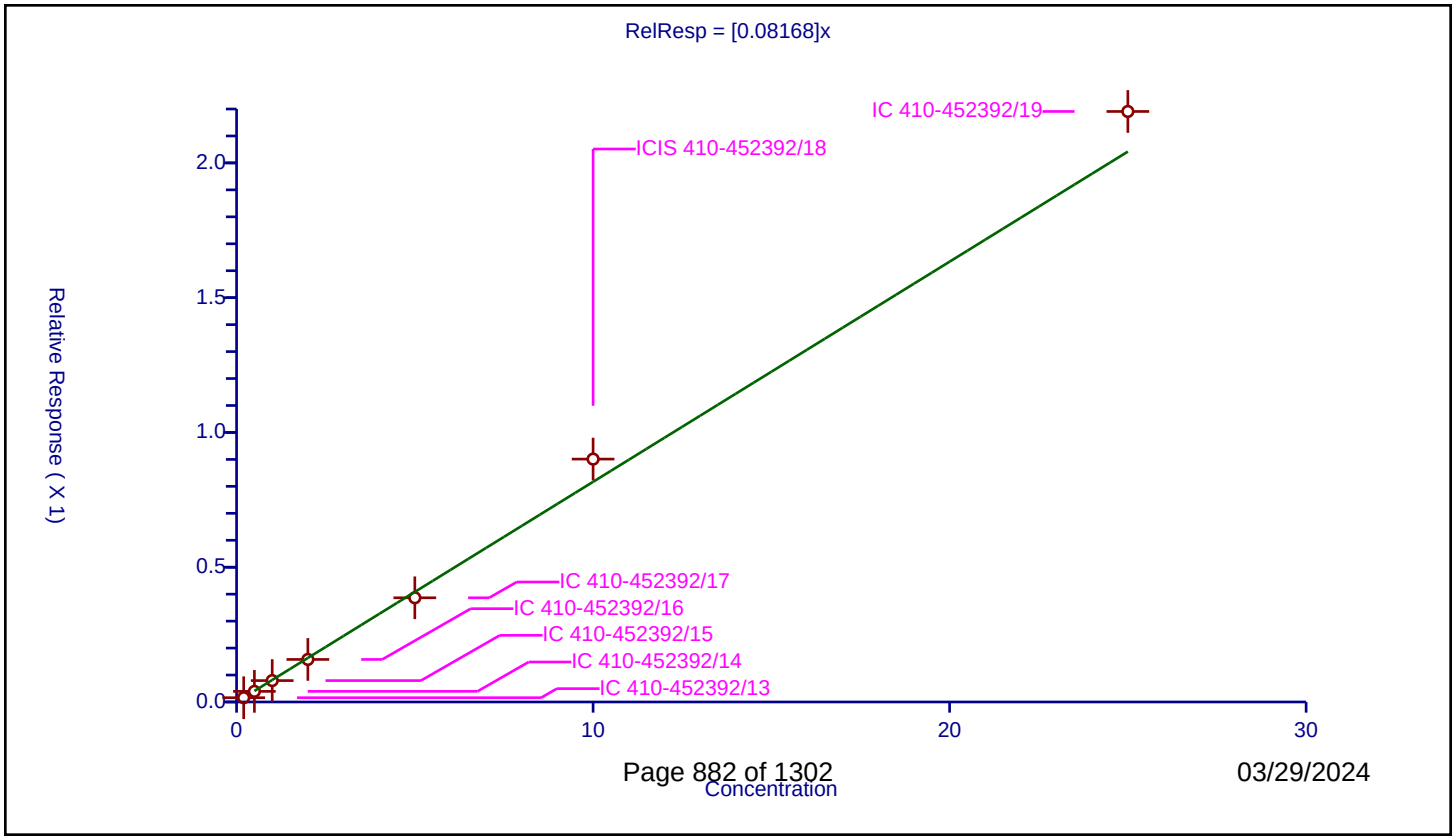
Curve Coefficients

Intercept:	0
Slope:	0.08168

Error Coefficients

Standard Error:	97100
Relative Standard Error:	6.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.015912	10.0	910627.0	0.079561	Y
2	IC 410-452392/14	0.5	0.039404	10.0	920721.0	0.078808	Y
3	IC 410-452392/15	1.0	0.079428	10.0	928387.0	0.079428	Y
4	IC 410-452392/16	2.0	0.157822	10.0	919328.0	0.078911	Y
5	IC 410-452392/17	5.0	0.386549	10.0	948445.0	0.07731	Y
6	ICIS 410-452392/18	10.0	0.901142	10.0	965542.0	0.090114	Y
7	IC 410-452392/19	25.0	2.190862	10.0	993545.0	0.087634	Y



Calibration / 1,3,5-Trichlorobenzene

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

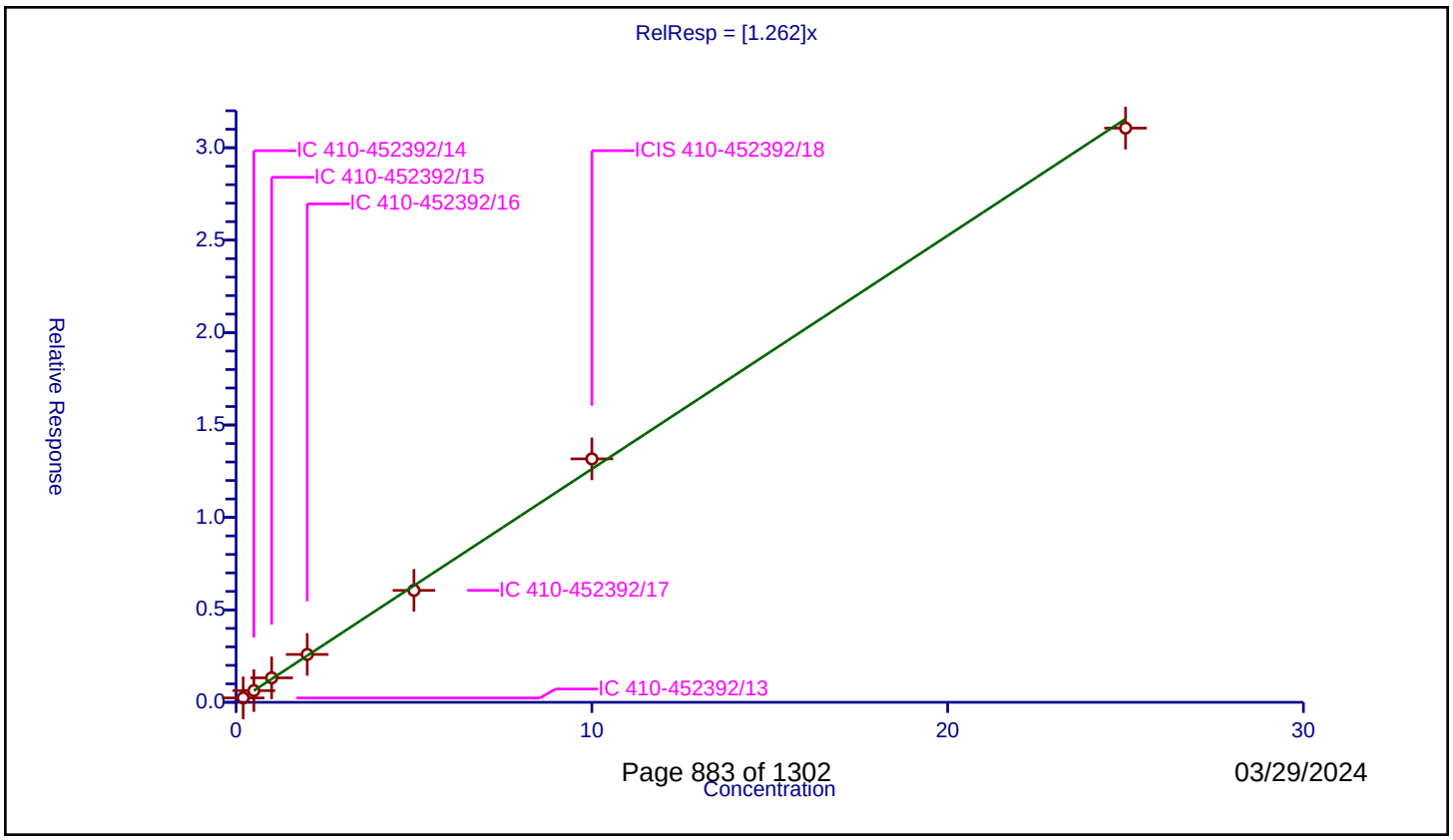
Curve Coefficients

Intercept:	0
Slope:	1.262

Error Coefficients

Standard Error:	1390000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.236145	10.0	910627.0	1.180725	Y
2	IC 410-452392/14	0.5	0.633167	10.0	920721.0	1.266334	Y
3	IC 410-452392/15	1.0	1.323521	10.0	928387.0	1.323521	Y
4	IC 410-452392/16	2.0	2.589859	10.0	919328.0	1.29493	Y
5	IC 410-452392/17	5.0	6.054879	10.0	948445.0	1.210976	Y
6	ICIS 410-452392/18	10.0	13.170333	10.0	965542.0	1.317033	Y
7	IC 410-452392/19	25.0	31.0597	10.0	993545.0	1.242388	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

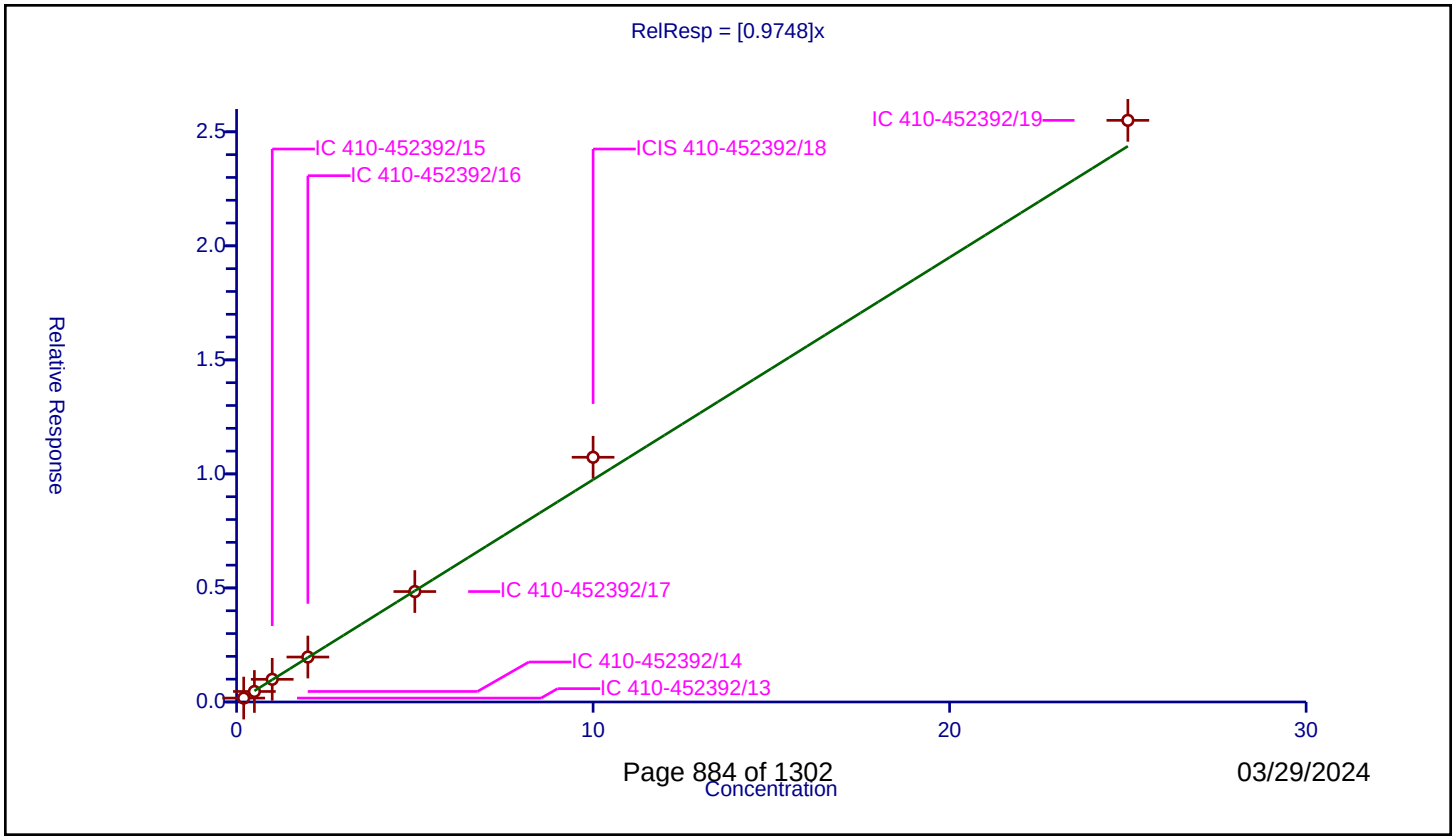
Curve Coefficients

Intercept:	0
Slope:	0.9748

Error Coefficients

Standard Error:	1140000
Relative Standard Error:	7.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.171805	10.0	910627.0	0.859024	Y
2	IC 410-452392/14	0.5	0.461367	10.0	920721.0	0.922733	Y
3	IC 410-452392/15	1.0	0.994553	10.0	928387.0	0.994553	Y
4	IC 410-452392/16	2.0	1.970896	10.0	919328.0	0.985448	Y
5	IC 410-452392/17	5.0	4.841894	10.0	948445.0	0.968379	Y
6	ICIS 410-452392/18	10.0	10.730367	10.0	965542.0	1.073037	Y
7	IC 410-452392/19	25.0	25.503304	10.0	993545.0	1.020132	Y



Calibration / Hexachlorobutadiene

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

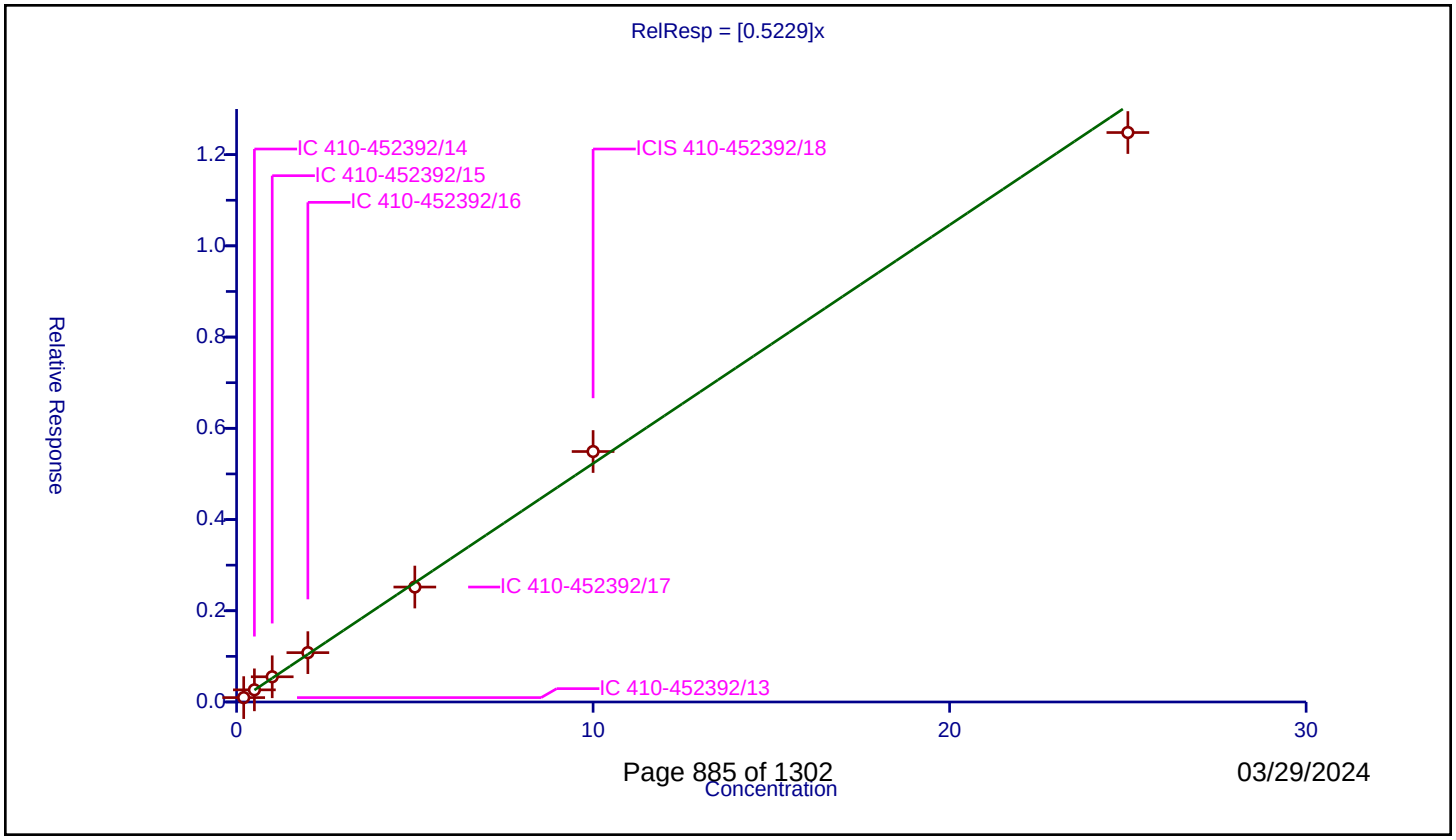
Curve Coefficients

Intercept:	0
Slope:	0.5229

Error Coefficients

Standard Error:	561000
Relative Standard Error:	5.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.096428	10.0	910627.0	0.48214	Y
2	IC 410-452392/14	0.5	0.266259	10.0	920721.0	0.532517	Y
3	IC 410-452392/15	1.0	0.552604	10.0	928387.0	0.552604	Y
4	IC 410-452392/16	2.0	1.081627	10.0	919328.0	0.540814	Y
5	IC 410-452392/17	5.0	2.519767	10.0	948445.0	0.503953	Y
6	ICIS 410-452392/18	10.0	5.491268	10.0	965542.0	0.549127	Y
7	IC 410-452392/19	25.0	12.484507	10.0	993545.0	0.49938	Y



03/29/2024

Calibration / Naphthalene

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

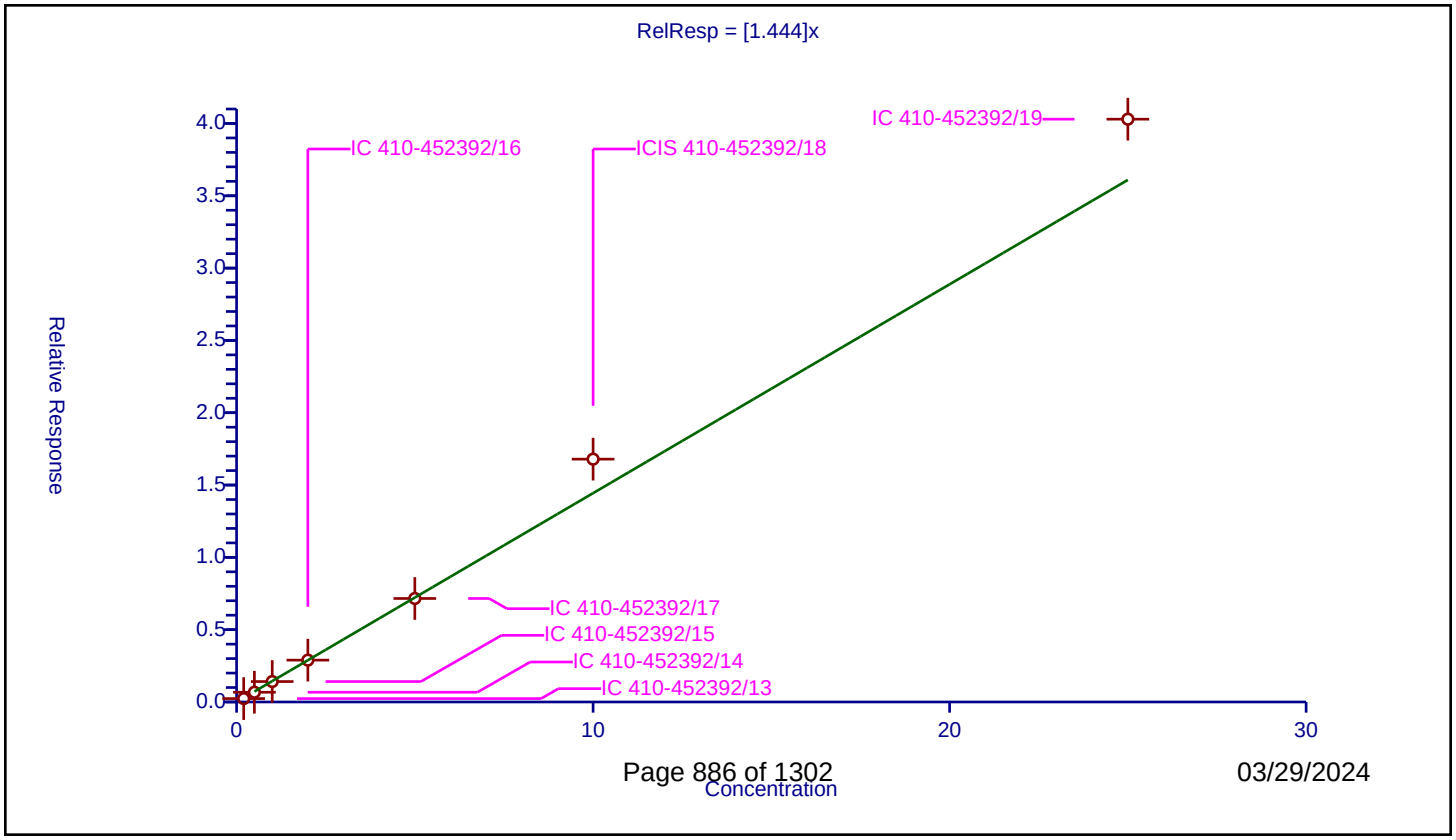
Curve Coefficients

Intercept:	0
Slope:	1.444

Error Coefficients

Standard Error:	1790000
Relative Standard Error:	11.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.235574	10.0	910627.0	1.17787	Y
2	IC 410-452392/14	0.5	0.674059	10.0	920721.0	1.348117	Y
3	IC 410-452392/15	1.0	1.412471	10.0	928387.0	1.412471	Y
4	IC 410-452392/16	2.0	2.893766	10.0	919328.0	1.446883	Y
5	IC 410-452392/17	5.0	7.156651	10.0	948445.0	1.43133	Y
6	ICIS 410-452392/18	10.0	16.791284	10.0	965542.0	1.679128	Y
7	IC 410-452392/19	25.0	40.297621	10.0	993545.0	1.611905	Y



Calibration / 1,2,3-Trichlorobenzene

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

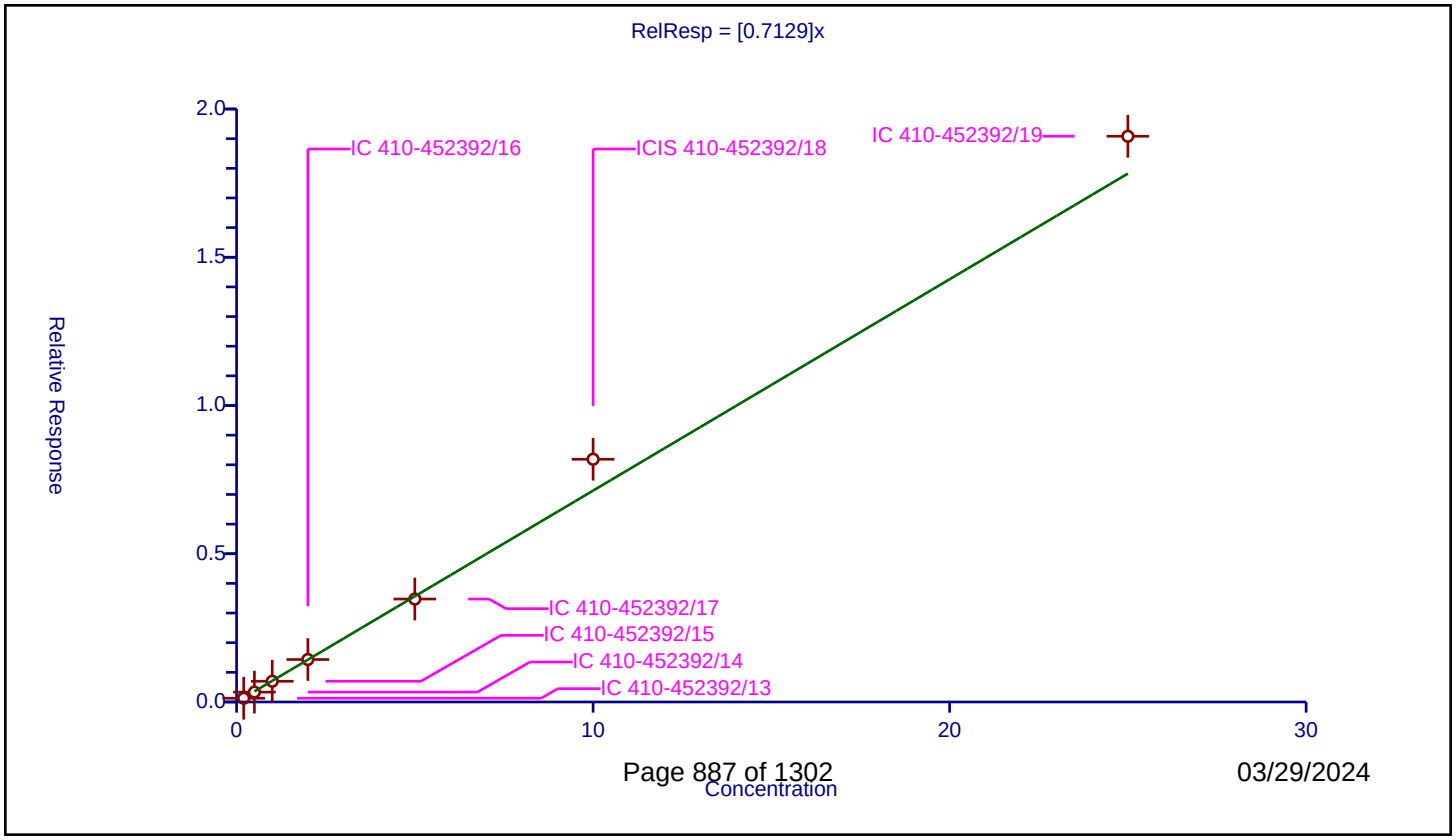
Curve Coefficients

Intercept:	0
Slope:	0.7129

Error Coefficients

Standard Error:	851000
Relative Standard Error:	8.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-452392/13	0.2	0.126276	10.0	910627.0	0.631378	Y
2	IC 410-452392/14	0.5	0.333369	10.0	920721.0	0.666738	Y
3	IC 410-452392/15	1.0	0.699331	10.0	928387.0	0.699331	Y
4	IC 410-452392/16	2.0	1.43247	10.0	919328.0	0.716235	Y
5	IC 410-452392/17	5.0	3.472632	10.0	948445.0	0.694526	Y
6	ICIS 410-452392/18	10.0	8.186697	10.0	965542.0	0.81867	Y
7	IC 410-452392/19	25.0	19.080917	10.0	993545.0	0.763237	Y



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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 04:22 Calibration End Date: 10/17/2023 06:22 Calibration ID: 54848

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-431955/3	HO16X02.D
Level 2	IC 410-431955/4	HO16X03.D
Level 3	IC 410-431955/5	HO16X04.D
Level 4	IC 410-431955/6	HO16X05.D
Level 5	IC 410-431955/7	HO16X06.D
Level 6	IC 410-431955/8	HO16X07.D
Level 7	IC 410-431955/9	HO16X08.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorodifluoromethane	0.3903 0.4005	0.3812 0.3894	0.4077	0.4044	0.3636	Ave		0.3910				3.9		20.0			
Methoxymethane	0.4277 0.2911	0.3459 0.2813	0.3068	0.3078	0.2958	Ave		0.3224				15.8		20.0			
Acetonitrile	+++++ 0.0071	+++++ 0.0065	0.0070	0.0088	0.0080	Ave		0.0075				12.4		20.0			
Vinyl acetate	0.2872 0.3177	0.2936 0.2331	0.2432	0.2871	0.2939	Ave		0.2794				10.8		20.0			
Ethyl acetate	0.0996 0.1171	0.1070 0.1004	0.1073	0.1023	0.1070	Ave		0.1058				5.6		20.0			
2-Chloroethyl vinyl ether	0.0770 0.0942	0.0778 0.0932	0.0848	0.0924	0.0869	Ave		0.0866				8.3		20.0			
cis-1,4-Dichloro-2-butene	0.0822 0.0899	0.0811 0.0888	0.0809	0.0852	0.0840	Ave		0.0846				4.3		20.0			
Cyclohexanone	0.2277 0.2402	0.2925 0.2669	0.2579	0.2271	0.2398	Ave		0.2503				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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-164764-1 | Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 04:22 | Calibration End Date: 10/17/2023 06:22 | Calibration ID: 54848

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-431955/3	HO16X02.D
Level 2	IC 410-431955/4	HO16X03.D
Level 3	IC 410-431955/5	HO16X04.D
Level 4	IC 410-431955/6	HO16X05.D
Level 5	IC 410-431955/7	HO16X06.D
Level 6	IC 410-431955/8	HO16X07.D
Level 7	IC 410-431955/9	HO16X08.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorodifluoromethane	FB	Ave	13612 690429	32504 1693144	70434	138984	312786	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methoxymethane	FB	Ave	14919 501744	29495 1223405	53016	105764	254403	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetonitrile	FB	Ave	+++++ 61078	+++++ 141016	6025	15126	34440	+++++ 50.0	+++++ 125	5.00	10.0	25.0
Vinyl acetate	FB	Ave	10016 547670	25032 1013527	42020	98648	252825	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl acetate	FB	Ave	3473 201819	9120 436711	18542	35170	92066	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloroethyl vinyl ether	FB	Ave	2686 162372	6633 405249	14647	31768	74772	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,4-Dichloro-2-butene	CBZd5	Ave	4284 234632	10491 588344	21013	44457	109600	0.400 20.0	1.000 50.0	2.00	4.00	10.00
Cyclohexanone	TBAd10	Ave	4036 116757	12456 330431	13039	24681	68571	10.00 500	25.0 1250	50.0	100.0	250

Curve Type Legend:
Ave = Average ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 04:22 Calibration End Date: 10/17/2023 06:22 Calibration ID: 54848

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-431955/3	HO16X02.D
Level 2	IC 410-431955/4	HO16X03.D
Level 3	IC 410-431955/5	HO16X04.D
Level 4	IC 410-431955/6	HO16X05.D
Level 5	IC 410-431955/7	HO16X06.D
Level 6	IC 410-431955/8	HO16X07.D
Level 7	IC 410-431955/9	HO16X08.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Chlorodifluoromethane	-0.2 -0.4	-2.5	4.3	3.4	-7.0	2.4	50 30	30	30	30	30	30
Methoxymethane	32.7 -12.7	7.3	-4.8	-4.5	-8.2	-9.7	50 30	30	30	30	30	30
Acetonitrile	+++++ -13.2	+++++	-6.7	17.8	7.2	-5.2	 30		50	30	30	30
Vinyl acetate	2.8 -16.6	5.1	-13.0	2.7	5.2	13.7	50 30	30	30	30	30	30
Ethyl acetate	-5.9 -5.1	1.1	1.4	-3.3	1.1	10.6	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	-11.1 7.6	-10.2	-2.1	6.7	0.4	8.7	50 30	30	30	30	30	30
cis-1,4-Dichloro-2-butene	-2.9 5.0	-4.1	-4.3	0.7	-0.7	6.3	50 30	30	30	30	30	30
Cyclohexanone	-9.0 6.6	16.9	3.0	-9.3	-4.2	-4.0	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X02.D
Lims ID: IC std1 0.2
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 17-Oct-2023 04:22:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-003
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub49

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:24:26 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 17-Oct-2023 11:02:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.837	1.831	0.006	81	5211	0.2000	0.1656	
3 Chlorodifluoromethane	51	1.886	1.879	0.007	96	13612	0.2000	0.1996	M
4 Dimethyl ether	45	1.959	1.946	0.013	100	14919	0.2000	0.2654	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.245	2.239	0.006	34	10646	0.2000	0.1922	
25 Acetonitrile	41	3.794	3.794	0.000	79	1735	1.00	1.33	M
* 28 t-Butyl alcohol-d10 (IS)	65	4.001	3.995	0.006	26	88635	50.0	50.0	
35 Vinyl acetate	43	5.086	5.056	0.030	73	10016	0.2000	0.2056	
45 Ethyl acetate	43	5.970	5.946	0.024	60	3473	0.2000	0.1882	
61 Isopropyl acetate	43	7.189	7.189	0.000	97	13496	0.2000	0.2766	
* 64 Fluorobenzene (IS)	96	7.513	7.513	0.000	99	1743969	10.0	10.0	
75 n-Propyl acetate	61	8.512	8.506	0.006	94	1549	0.2000	0.1836	M
78 2-Chloroethyl vinyl ether	63	9.049	9.049	0.000	80	2686	0.2000	0.1778	
110 n-Butyl acetate	43	10.463	10.463	0.000	98	8530	0.2000	0.2189	
* 113 Chlorobenzene-d5 (IS)	117	11.049	11.048	0.000	87	1303727	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.963	11.963	0.000	31	4284	0.4000	0.3885	M
125 Cyclohexanone	55	11.993	11.999	-0.006	89	4036	10.0	9.10	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	731529	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00029	Amount Added:	0.20	Units: uL
MSV_CCV_CYC_00007	Amount Added:	1.60	Units: uL
MSV_V_SMRV4_00063	Amount Added:	1.00	Units: uL
MSV_DME_00049	Amount Added:	0.20	Units: uL
MSV_LLcentISS_00010	Amount Added:	5.00	Units: uL

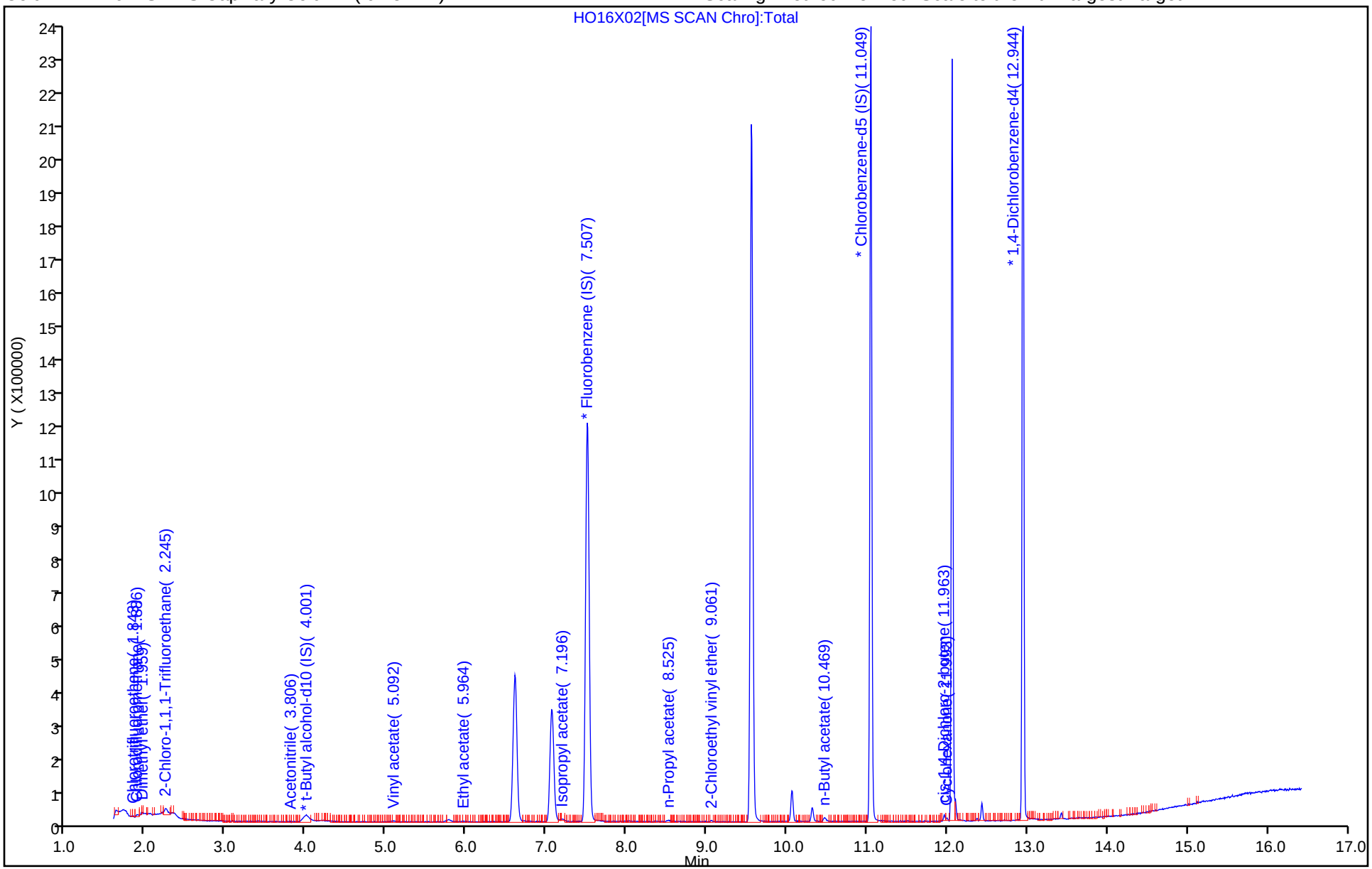
Report Date: 20-Oct-2023 13:24:28 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X02.D

Injection Date:	17-Oct-2023 04:22:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	IC std1 0.2			Worklist Smp#:	3
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

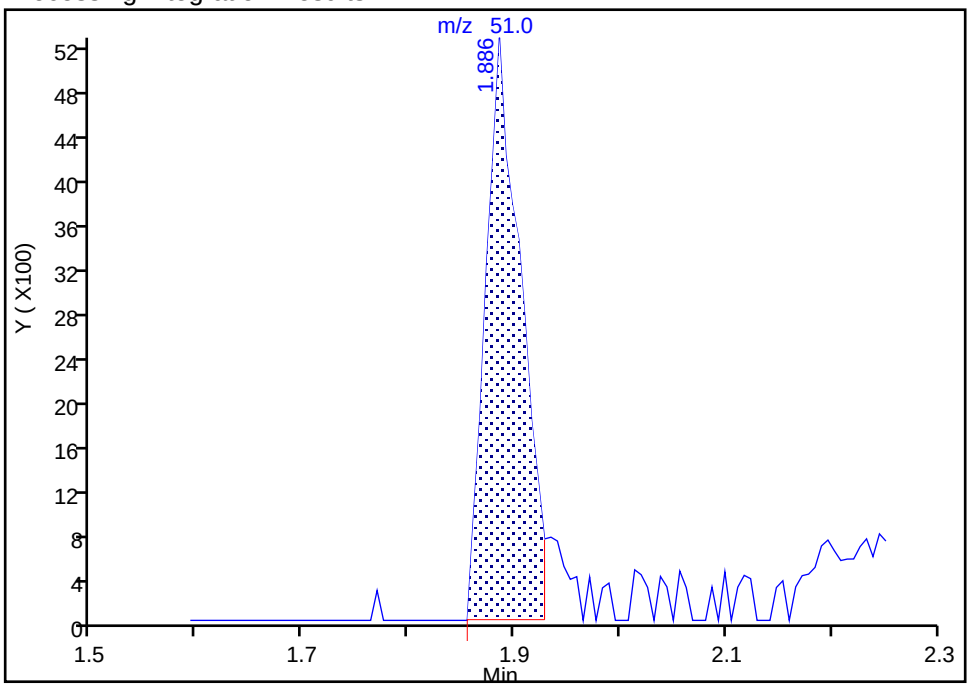
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X02.D				
Injection Date:	17-Oct-2023 04:22:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

3 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

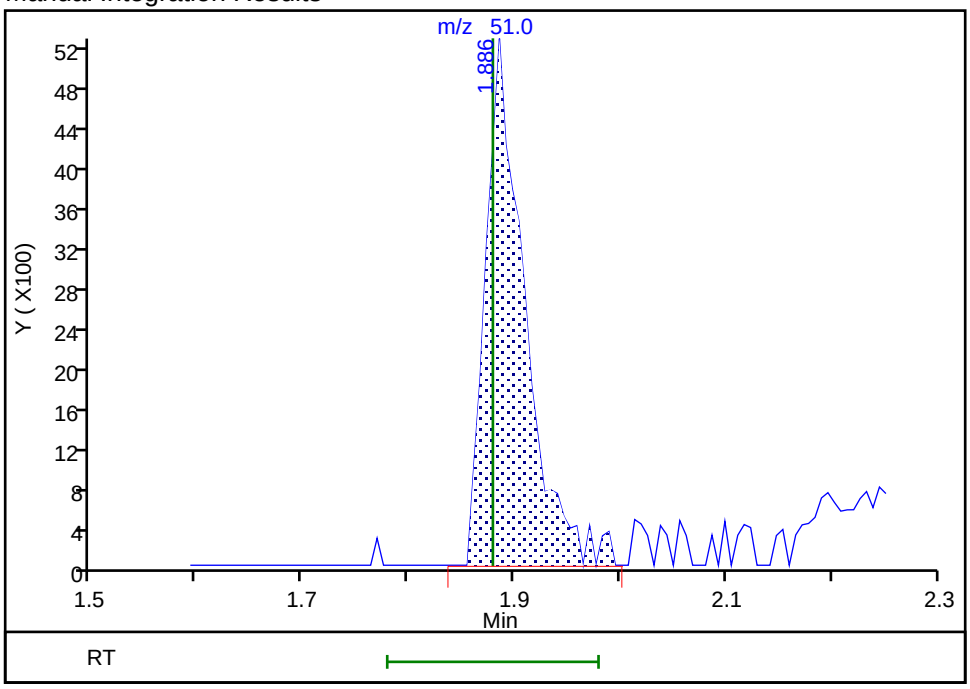
Processing Integration Results

RT: 1.89
Area: 12241
Amount: 0.182122
Amount Units: ug/l



Manual Integration Results

RT: 1.89
Area: 13612
Amount: 0.199612
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:06:49 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

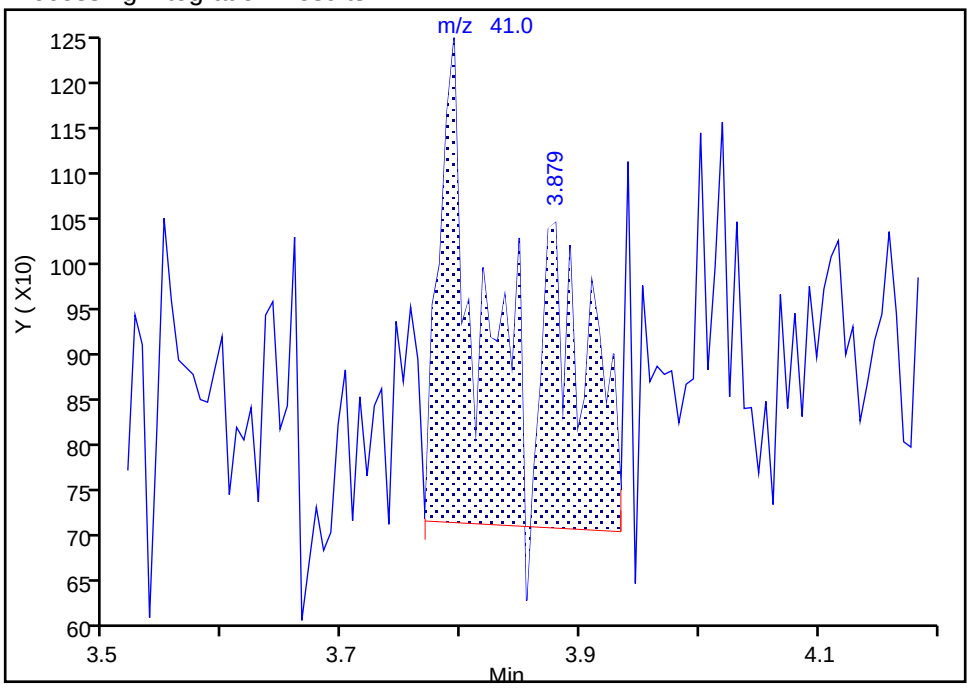
Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X02.D
Injection Date: 17-Oct-2023 04:22:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: GAW91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

25 Acetonitrile, CAS: 75-05-8

Signal: 1

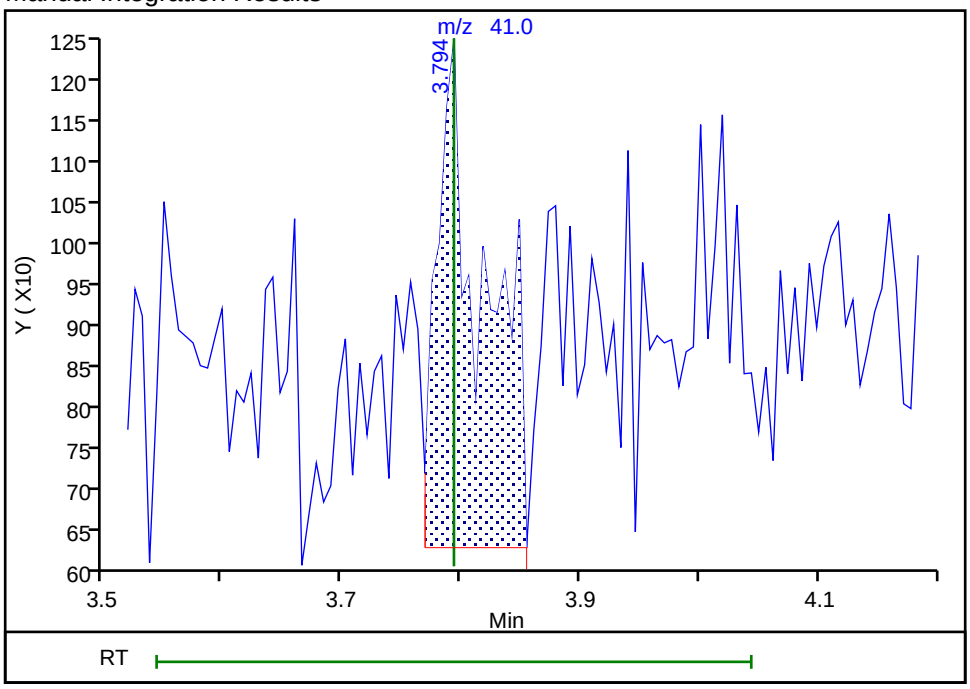
Processing Integration Results

RT: 3.88
Area: 2168
Amount: 1.112534
Amount Units: ug/l



Manual Integration Results

RT: 3.79
Area: 1735
Amount: 1.331517
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:07:15 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

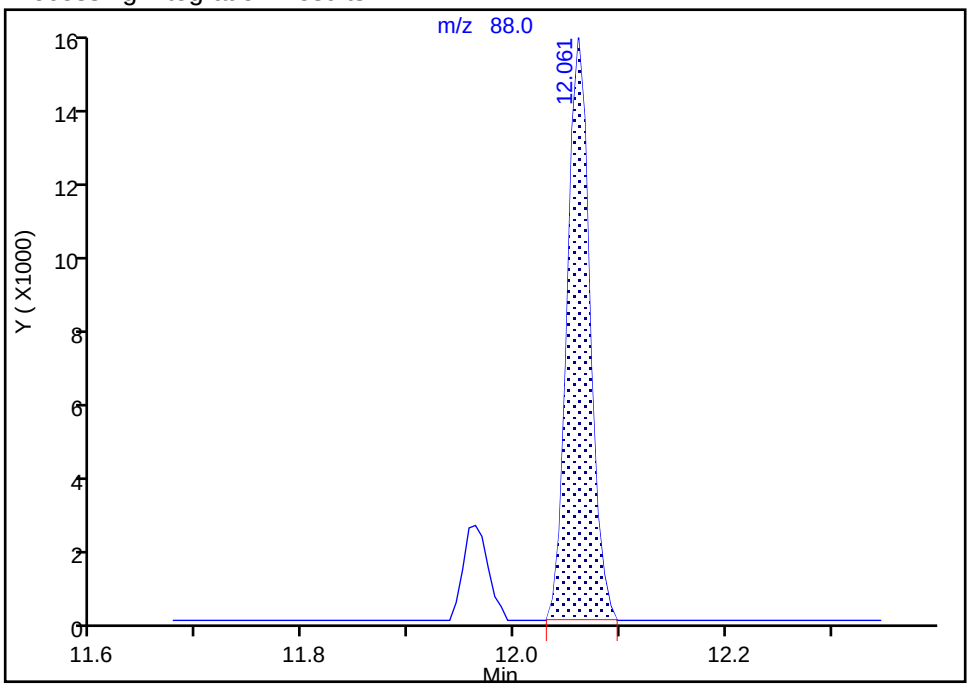
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X02.D				
Injection Date:	17-Oct-2023 04:22:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

124 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

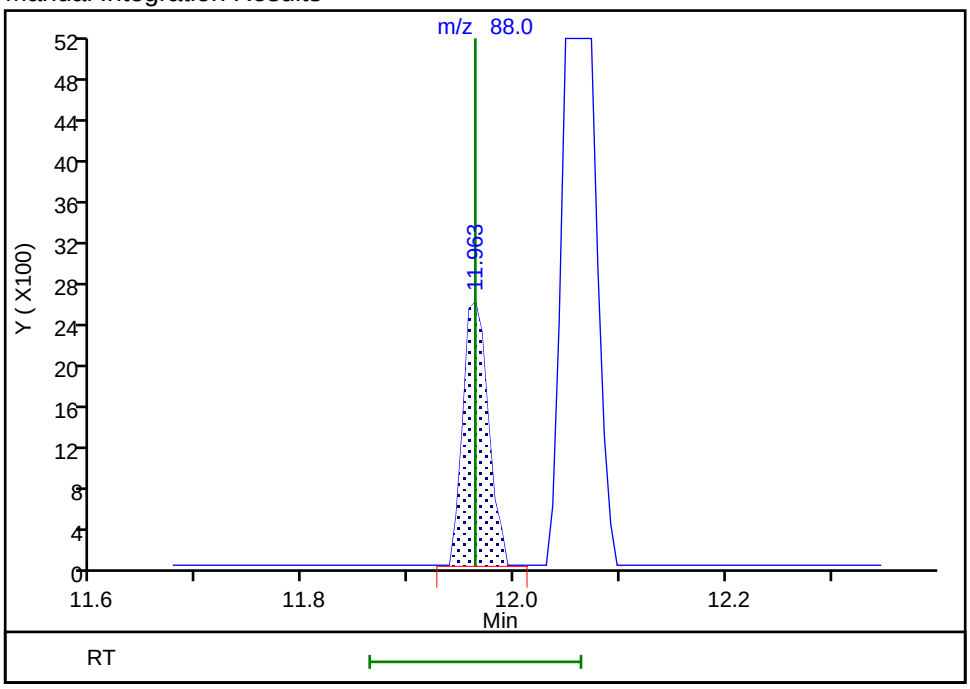
Processing Integration Results

RT: 12.06
Area: 23587
Amount: 1.437149
Amount Units: ug/l



Manual Integration Results

RT: 11.96
Area: 4284
Amount: 0.388510
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:07:35 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X03.D
Lims ID: IC std2 0.5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 17-Oct-2023 04:42:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-004
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub49

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:24:29 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 17-Oct-2023 11:04:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.837	1.831	0.006	92	13457	0.5000	0.4374	
3 Chlorodifluoromethane	51	1.885	1.879	0.006	97	32504	0.5000	0.4875	
4 Dimethyl ether	45	1.953	1.946	0.007	100	29495	0.5000	0.5366	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.245	2.239	0.006	35	25626	0.5000	0.4731	
25 Acetonitrile	41	3.818	3.794	0.024	80	6036	2.50	4.74	M
* 28 t-Butyl alcohol-d10 (IS)	65	4.001	3.995	0.006	26	85167	50.0	50.0	
35 Vinyl acetate	43	5.068	5.056	0.012	96	25032	0.5000	0.5254	
45 Ethyl acetate	43	5.958	5.946	0.012	96	9120	0.5000	0.5054	
61 Isopropyl acetate	43	7.195	7.189	0.006	98	23450	0.5000	0.4915	
* 64 Fluorobenzene (IS)	96	7.512	7.513	-0.001	98	1705254	10.0	10.0	
75 n-Propyl acetate	61	8.518	8.506	0.012	98	3659	0.5000	0.4434	
78 2-Chloroethyl vinyl ether	63	9.055	9.049	0.006	95	6633	0.5000	0.4491	
110 n-Butyl acetate	43	10.469	10.463	0.006	97	19365	0.5000	0.5010	
* 113 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	87	1293253	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.963	11.963	0.000	27	10491	1.00	0.9591	M
125 Cyclohexanone	55	11.999	11.999	0.000	91	12456	25.0	29.2	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	96	722078	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00029	Amount Added:	0.50	Units: uL
MSV_CCV_CYC_00007	Amount Added:	4.00	Units: uL
MSV_V_SMRV4_00063	Amount Added:	2.50	Units: uL
MSV_DME_00049	Amount Added:	0.50	Units: uL
MSV_LLcentISS_00010	Amount Added:	5.00	Units: uL

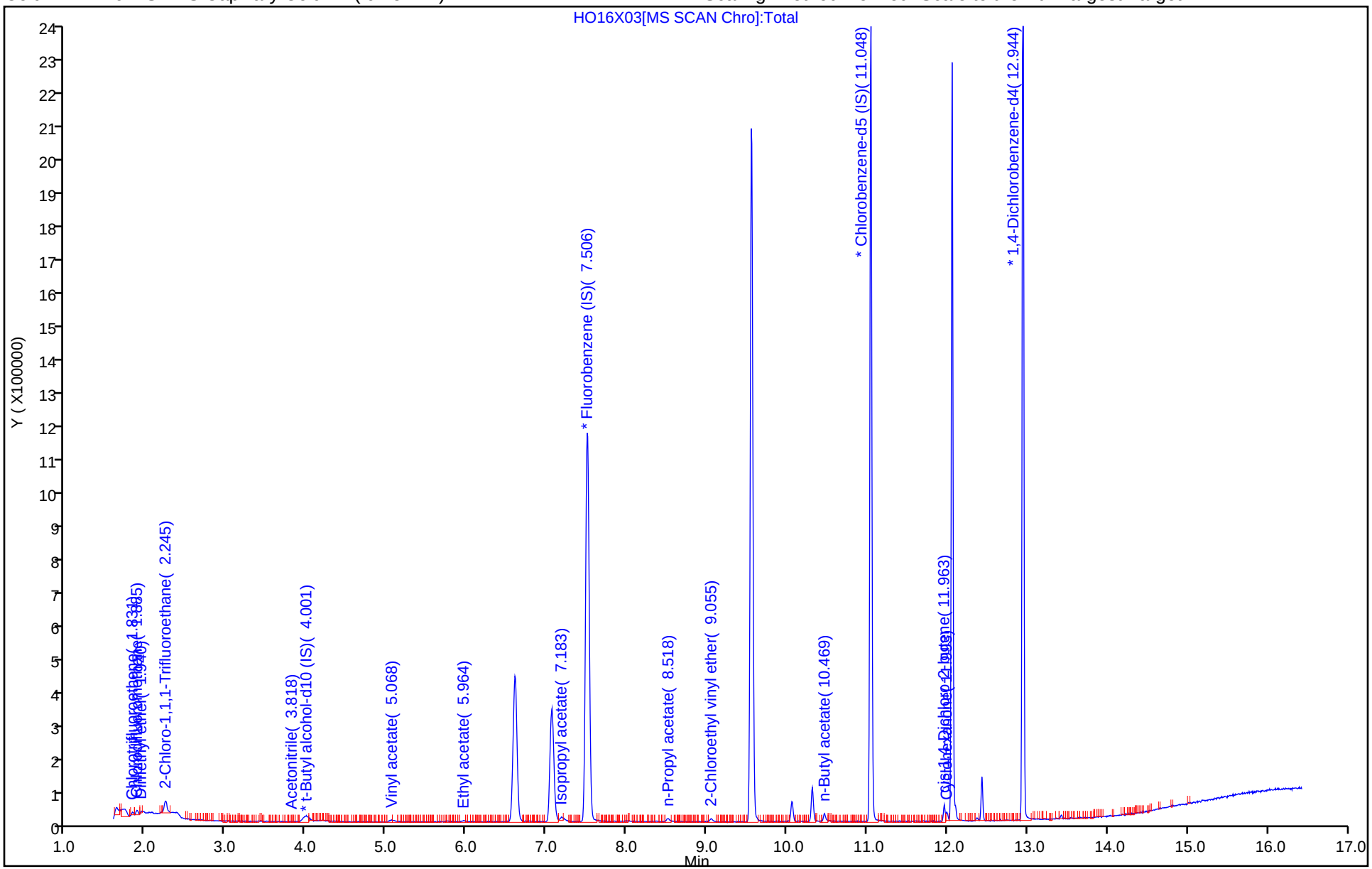
Report Date: 20-Oct-2023 13:24:31 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X03.D

Injection Date:	17-Oct-2023 04:42:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	IC std2 0.5			Worklist Smp#:	4
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

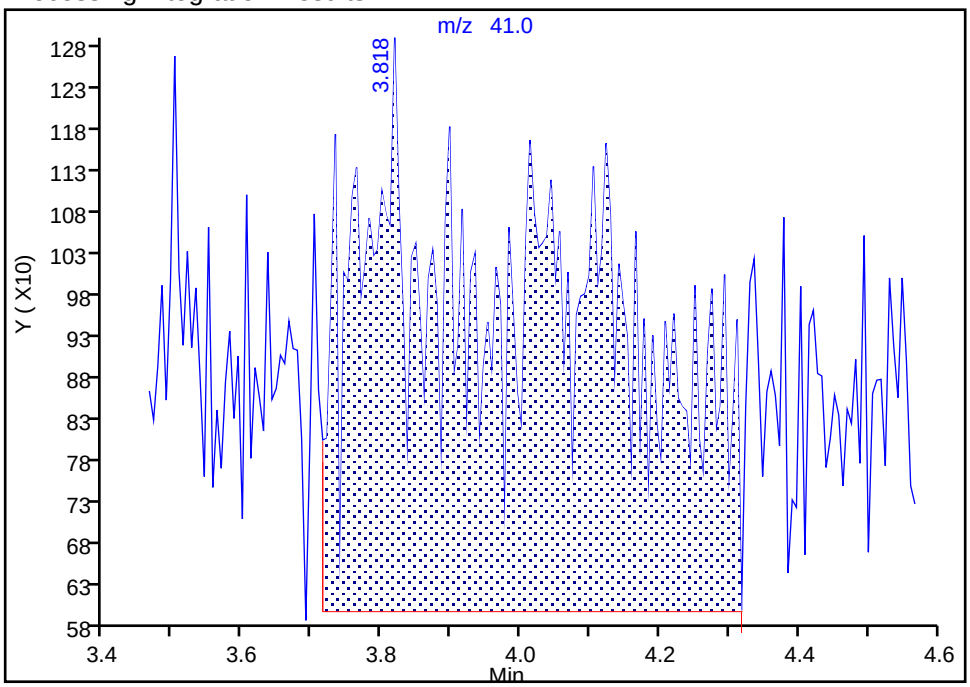
Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X03.D
Injection Date: 17-Oct-2023 04:42:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: GAW91131 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

25 Acetonitrile, CAS: 75-05-8

Signal: 1

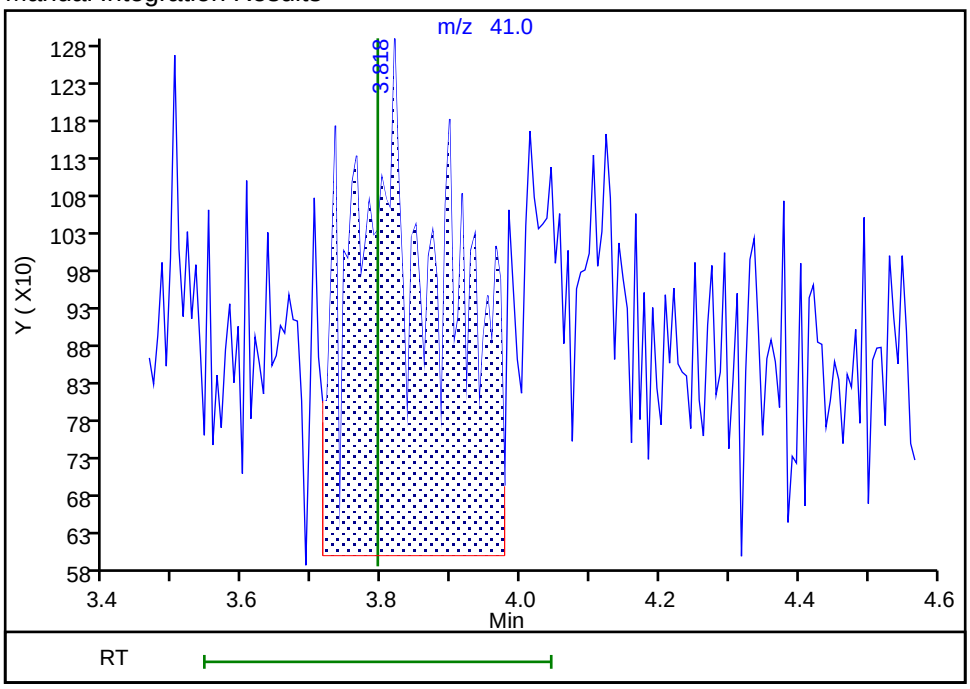
Processing Integration Results

RT: 3.82
Area: 12812
Amount: 6.944320
Amount Units: ug/l



Manual Integration Results

RT: 3.82
Area: 6036
Amount: 4.737468
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:07:58 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

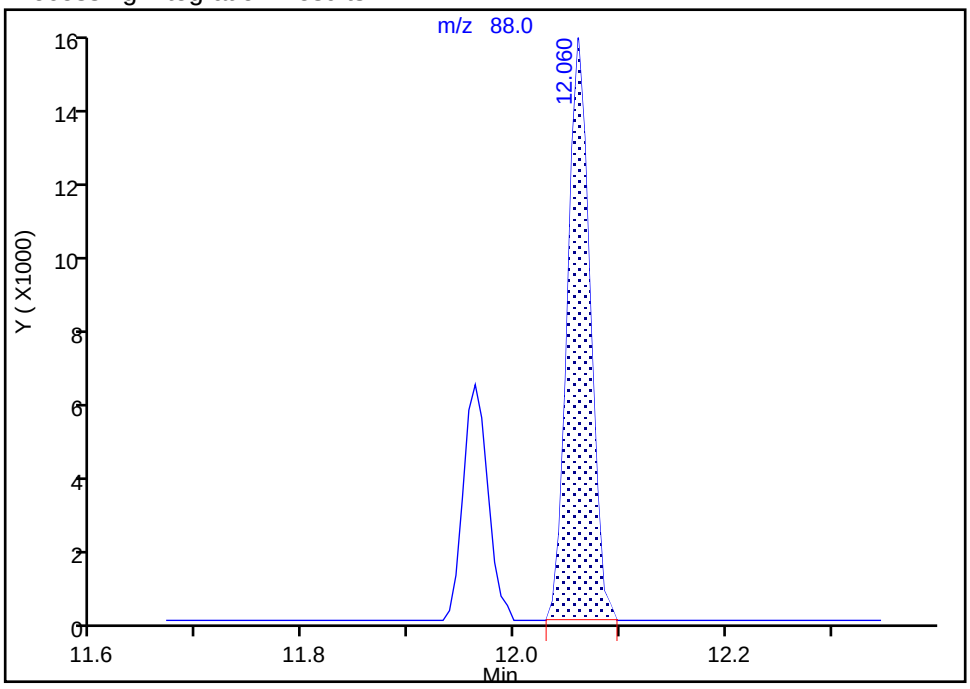
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X03.D				
Injection Date:	17-Oct-2023 04:42:30	Instrument ID:	19094		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

124 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

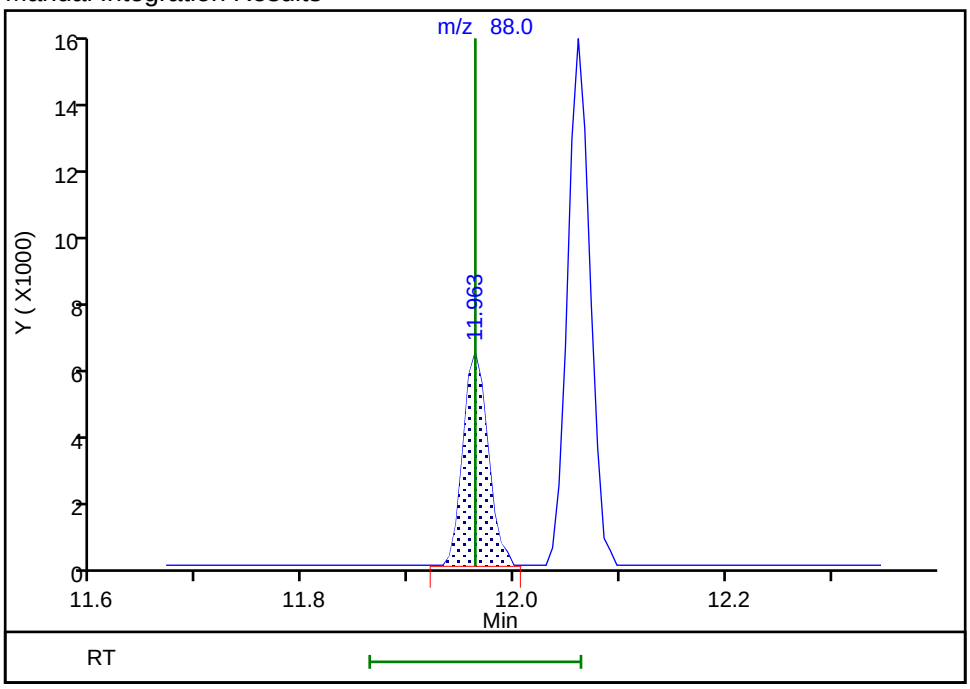
Processing Integration Results

RT: 12.06
Area: 23470
Amount: 2.116260
Amount Units: ug/l



Manual Integration Results

RT: 11.96
Area: 10491
Amount: 0.959120
Amount Units: ug/l



Reviewer: UCB5, 20-Oct-2023 12:13:06 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Wrong peak

Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X04.D
Lims ID: IC std3 1
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Oct-2023 05:02:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-005
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub49

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:24:33 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 17-Oct-2023 11:02:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.837	1.831	0.006	92	34665	1.00	1.11	
3 Chlorodifluoromethane	51	1.879	1.879	0.000	97	70434	1.00	1.04	
4 Dimethyl ether	45	1.947	1.946	0.000	100	53016	1.00	0.9519	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.233	2.239	-0.006	36	57244	1.00	1.04	
25 Acetonitrile	41	3.800	3.794	0.006	73	6025	5.00	4.67	M
* 28 t-Butyl alcohol-d10 (IS)	65	4.007	3.995	0.012	22	50562	50.0	50.0	
35 Vinyl acetate	43	5.062	5.056	0.006	96	42020	1.00	0.8705	
45 Ethyl acetate	43	5.964	5.946	0.018	97	18542	1.00	1.01	
61 Isopropyl acetate	43	7.189	7.189	0.000	98	44130	1.00	0.9128	
* 64 Fluorobenzene (IS)	96	7.506	7.513	-0.007	99	1727798	10.0	10.0	
75 n-Propyl acetate	61	8.506	8.506	0.000	98	8390	1.00	1.00	M
78 2-Chloroethyl vinyl ether	63	9.049	9.049	0.000	94	14647	1.00	0.9787	
110 n-Butyl acetate	43	10.469	10.463	0.006	98	36795	1.00	0.9480	
* 113 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	87	1298673	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.963	11.963	0.000	31	21013	2.00	1.91	a
125 Cyclohexanone	55	11.999	11.999	0.000	92	13039	50.0	51.5	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	719528	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_V5ACE_00029	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00007	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00063	Amount Added:	5.00	Units: uL
MSV_DME_00049	Amount Added:	1.00	Units: uL
MSV_LLcentISS_00010	Amount Added:	5.00	Units: uL

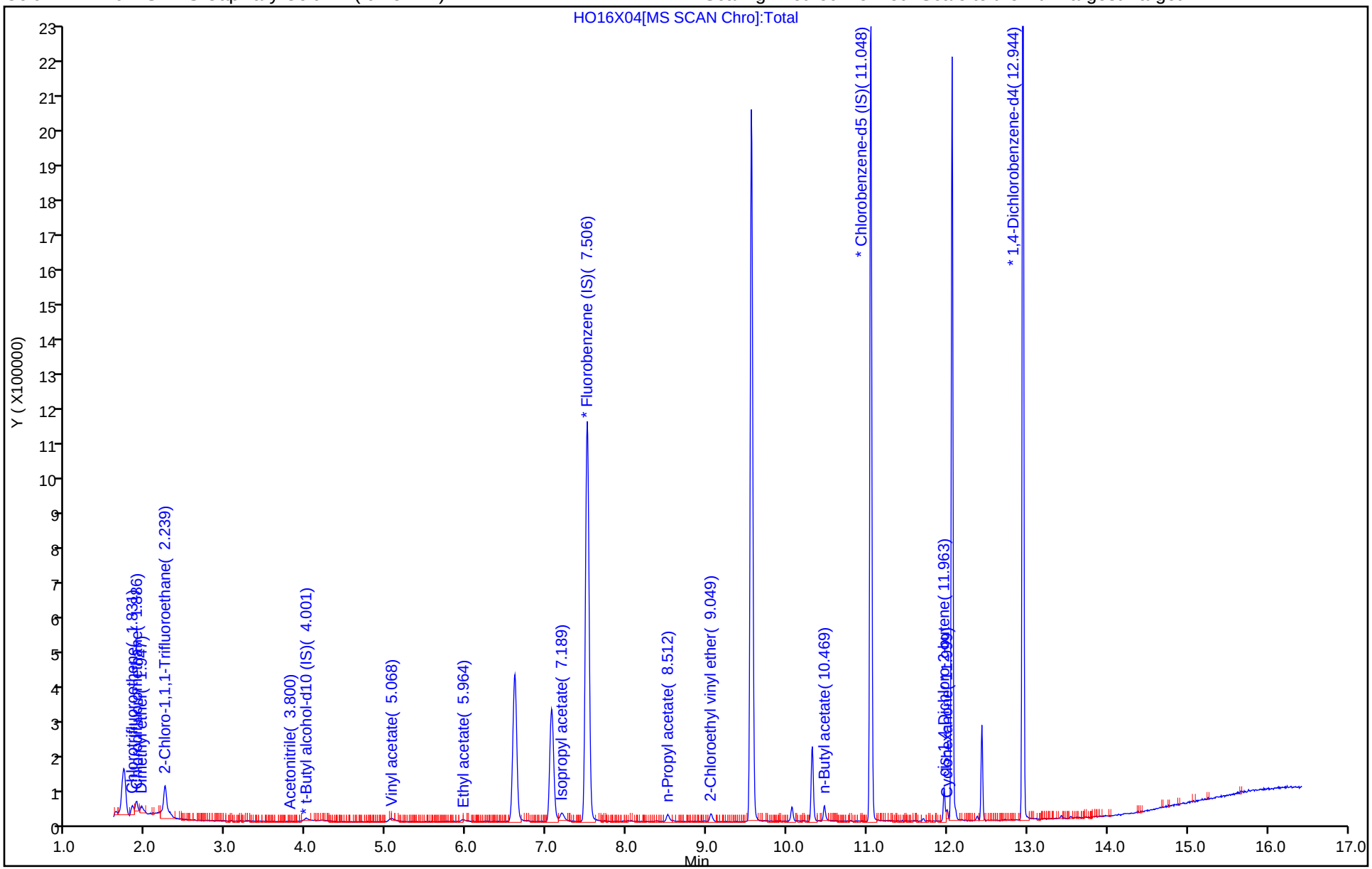
Report Date: 20-Oct-2023 13:24:33 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X04.D

Injection Date:	17-Oct-2023 05:02:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	IC std3 1			Worklist Smp#:	5
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

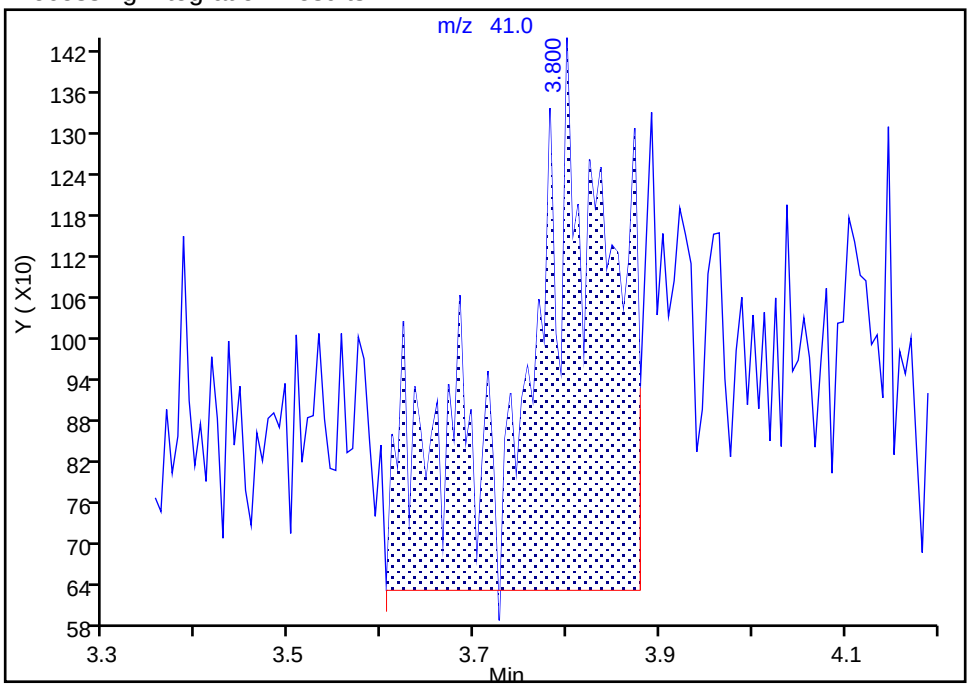
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X04.D				
Injection Date:	17-Oct-2023 05:02:30	Instrument ID:	19094		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

25 Acetonitrile, CAS: 75-05-8

Signal: 1

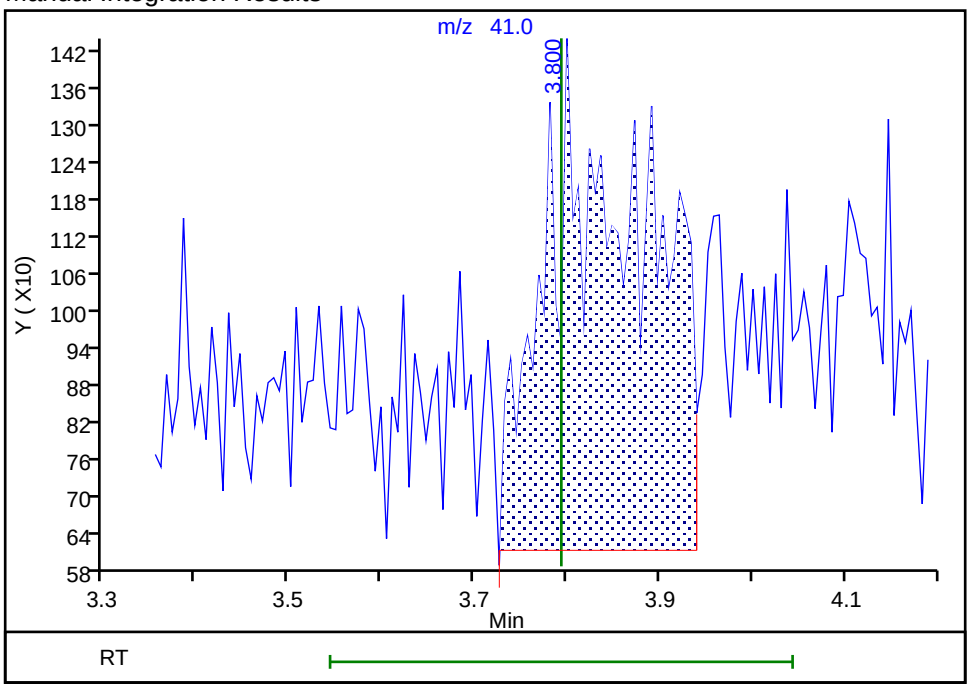
Processing Integration Results

RT: 3.80
Area: 5588
Amount: 3.783260
Amount Units: ug/l



Manual Integration Results

RT: 3.80
Area: 6025
Amount: 4.667133
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:08:46 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

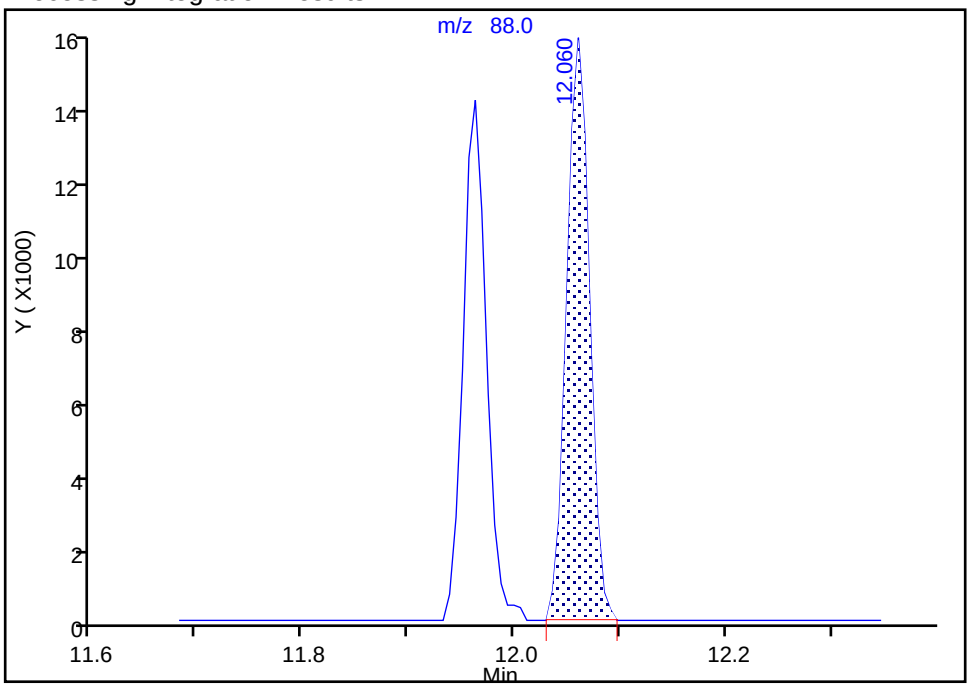
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X04.D				
Injection Date:	17-Oct-2023 05:02:30	Instrument ID:	19094		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

124 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

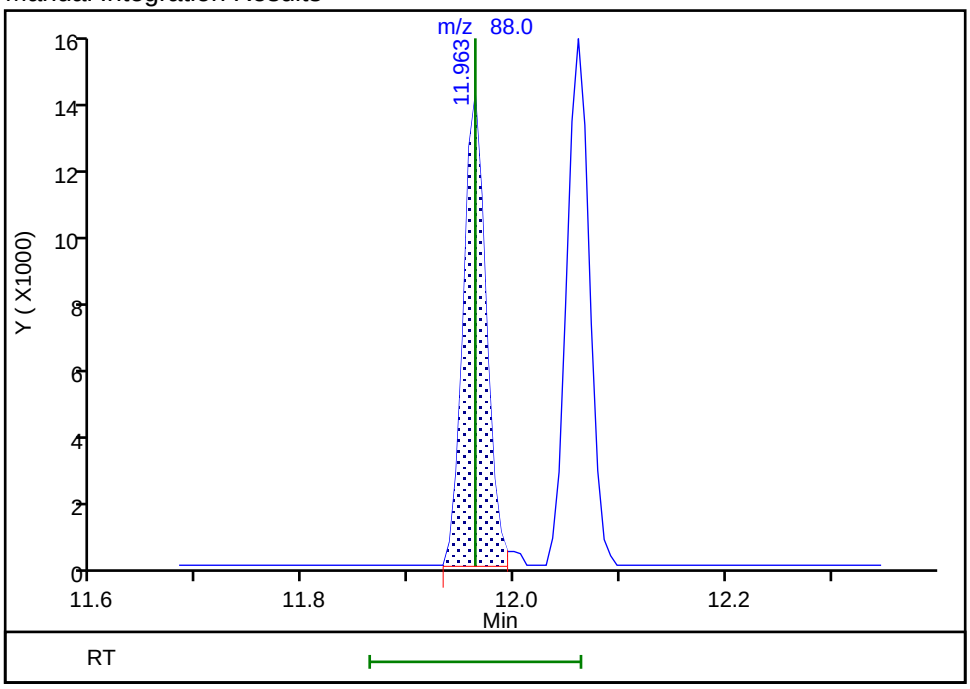
Processing Integration Results

RT: 12.06
Area: 23415
Amount: 2.469582
Amount Units: ug/l



Manual Integration Results

RT: 11.96
Area: 21013
Amount: 1.913056
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:09:05 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X05.D
Lims ID: IC std4 2
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 17-Oct-2023 05:22:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-006
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub49

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:24:36 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 17-Oct-2023 11:01:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.843	1.843	0.000	95	69114	2.00	2.23	
3 Chlorodifluoromethane	51	1.892	1.892	0.000	97	138984	2.00	2.07	
4 Dimethyl ether	45	1.959	1.959	0.000	99	105764	2.00	1.91	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.245	2.245	0.000	47	115202	2.00	2.11	
25 Acetonitrile	41	3.830	3.830	0.000	25	15126	10.0	11.8	M
* 28 t-Butyl alcohol-d10 (IS)	65	4.025	4.025	0.000	25	54332	50.0	50.0	
35 Vinyl acetate	43	5.068	5.068	0.000	98	98648	2.00	2.05	
45 Ethyl acetate	43	5.964	5.964	0.000	99	35170	2.00	1.93	
61 Isopropyl acetate	43	7.195	7.195	0.000	98	85303	2.00	1.77	
* 64 Fluorobenzene (IS)	96	7.512	7.512	0.000	98	1718207	10.0	10.0	
75 n-Propyl acetate	61	8.512	8.512	0.000	99	16035	2.00	1.93	
78 2-Chloroethyl vinyl ether	63	9.055	9.055	0.000	93	31768	2.00	2.13	
110 n-Butyl acetate	43	10.469	10.469	0.000	98	73642	2.00	1.89	
* 113 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	87	1304716	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.963	11.963	0.000	31	44457	4.00	4.03	a
125 Cyclohexanone	55	11.999	11.999	0.000	93	24681	100.0	90.7	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	722428	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

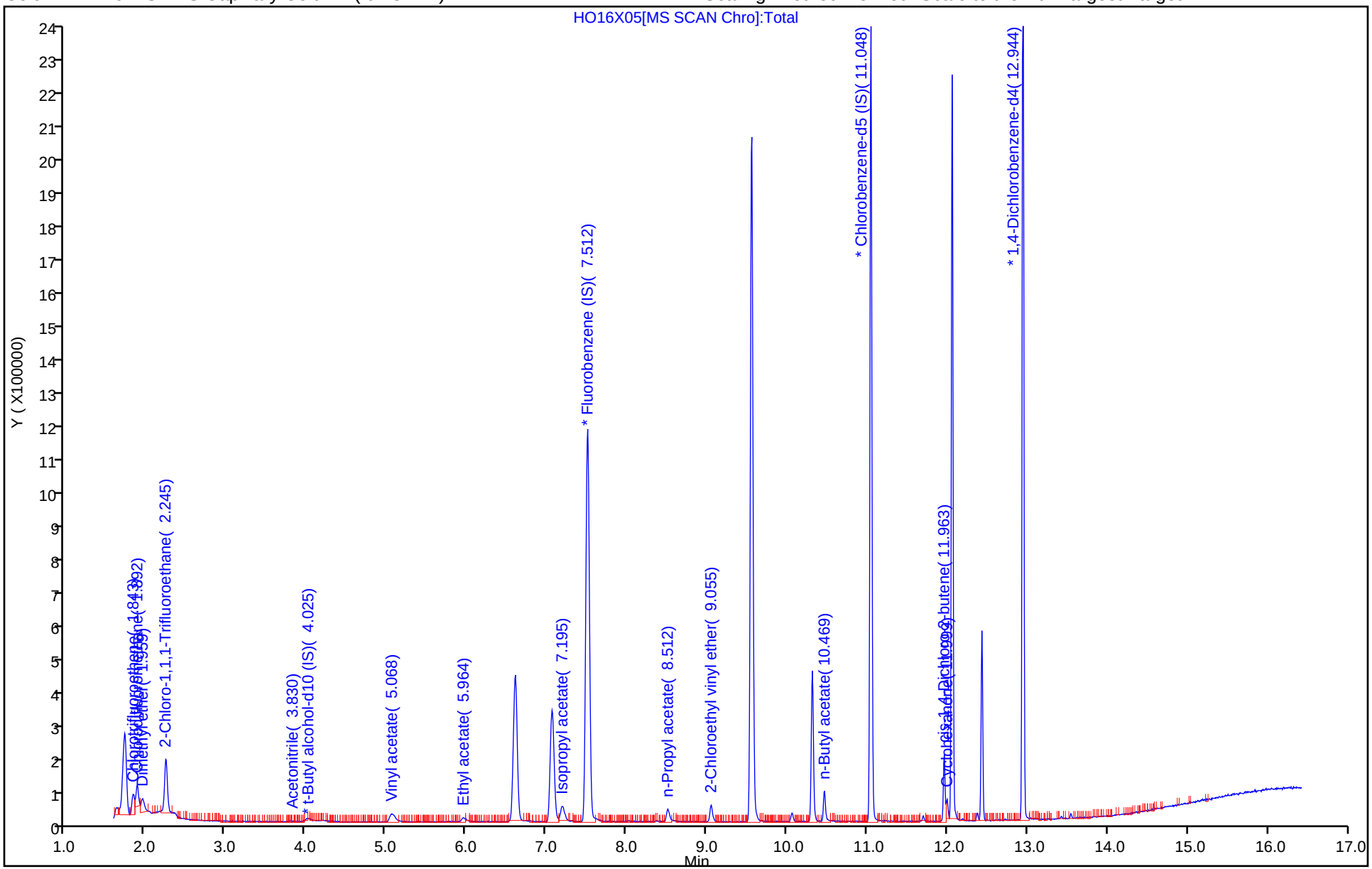
MSV_CCV_V5ACE_00029	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00007	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00063	Amount Added:	5.00	Units: uL
MSV_DME_00049	Amount Added:	1.00	Units: uL
MSV_LLcentISS_00010	Amount Added:	5.00	Units: uL

Report Date: 20-Oct-2023 13:24:37 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X05.D				
Injection Date:	17-Oct-2023 05:22:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	IC std4 2			Worklist Smp#:	6
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

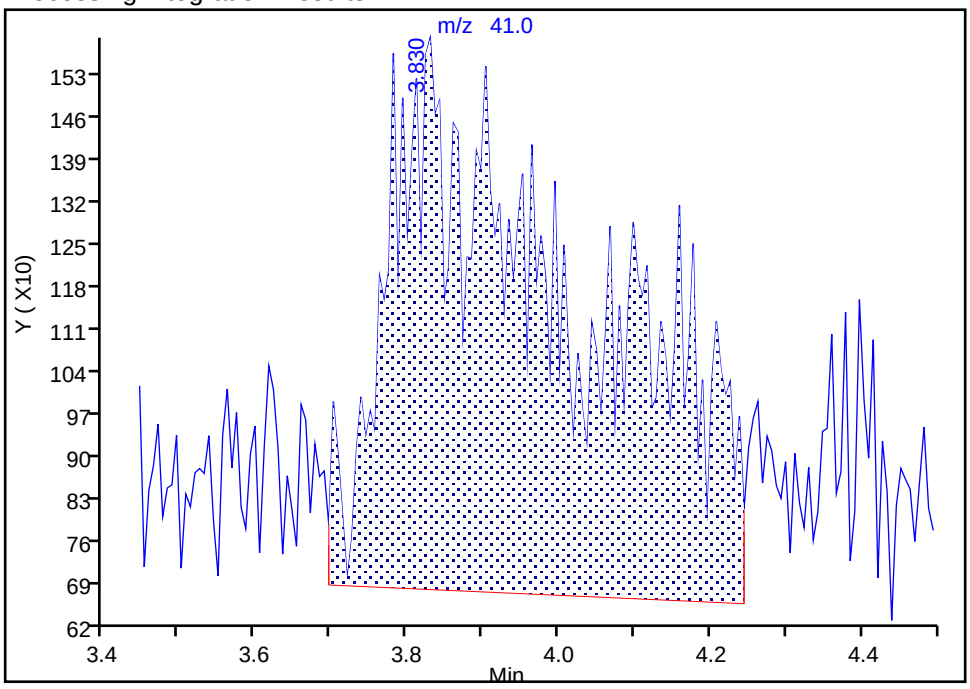
Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X05.D
Injection Date: 17-Oct-2023 05:22:30 Instrument ID: 19094
Lims ID: IC std4 2
Client ID:
Operator ID: GAW91131 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

25 Acetonitrile, CAS: 75-05-8

Signal: 1

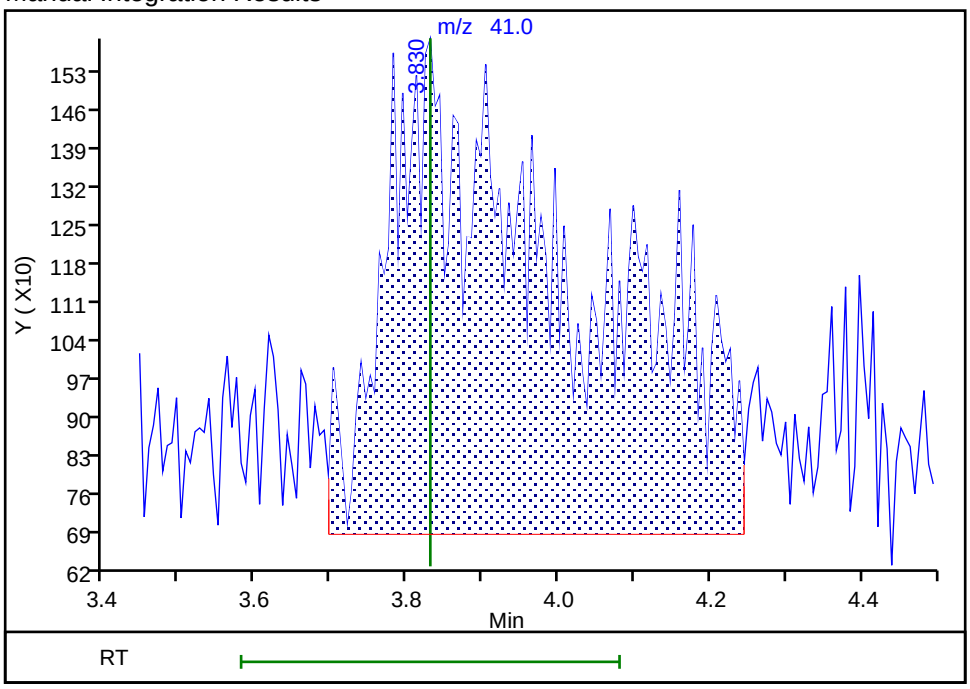
Processing Integration Results

RT: 3.83
Area: 15526
Amount: 10.481684
Amount Units: ug/l



Manual Integration Results

RT: 3.83
Area: 15126
Amount: 11.782426
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:09:24 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

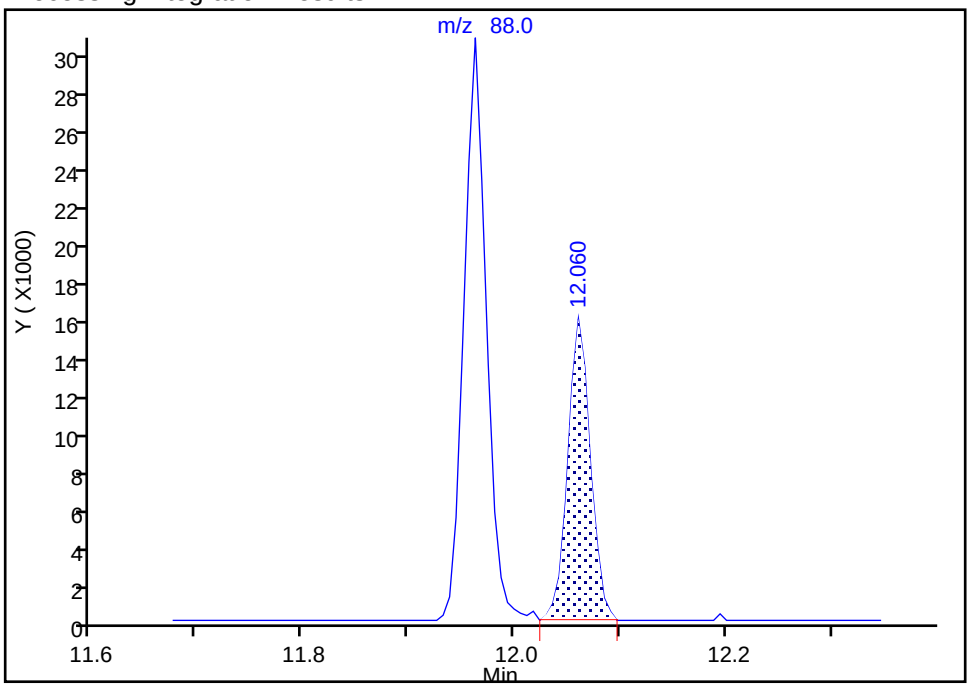
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X05.D				
Injection Date:	17-Oct-2023 05:22:30	Instrument ID:	19094		
Lims ID:	IC std4 2				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

124 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

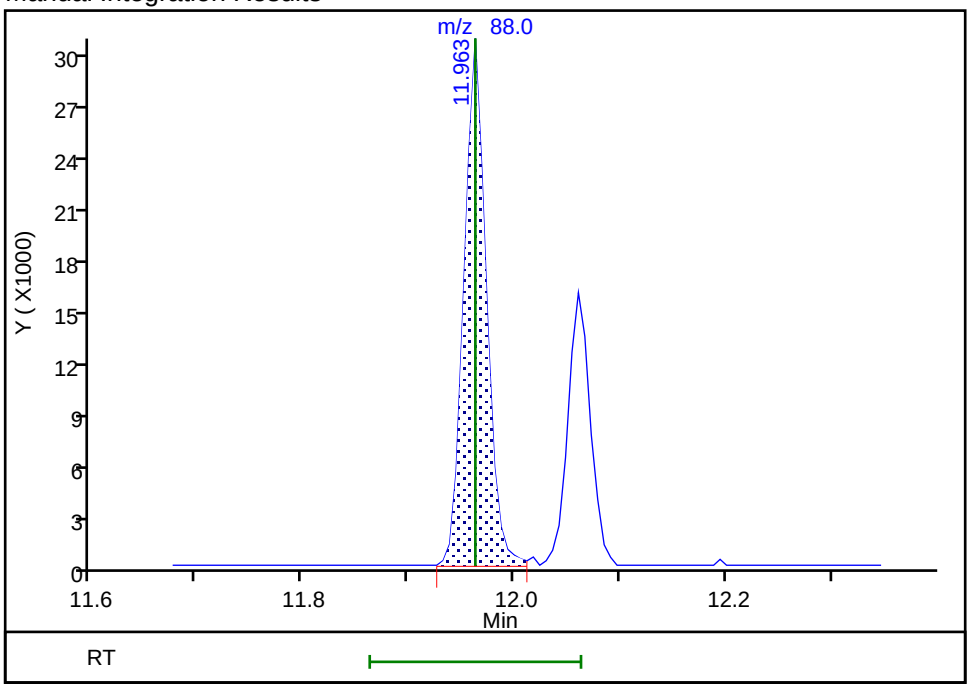
Processing Integration Results

RT: 12.06
Area: 23306
Amount: 2.491793
Amount Units: ug/l



Manual Integration Results

RT: 11.96
Area: 44457
Amount: 4.028688
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:09:35 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X06.D
Lims ID: IC std5 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 17-Oct-2023 05:42:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-007
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub49

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:24:39 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 17-Oct-2023 10:58:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.837	1.843	-0.006	95	146275	5.00	4.71	
3 Chlorodifluoromethane	51	1.886	1.892	-0.006	97	312786	5.00	4.65	
4 Dimethyl ether	45	1.953	1.959	-0.006	99	254403	5.00	4.59	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.245	2.245	0.000	35	260587	5.00	4.77	
25 Acetonitrile	41	3.788	3.830	-0.042	19	34440	25.0	26.8	M
* 28 t-Butyl alcohol-d10 (IS)	65	4.013	4.025	-0.012	26	57201	50.0	50.0	
35 Vinyl acetate	43	5.056	5.068	-0.012	98	252825	5.00	5.26	
45 Ethyl acetate	43	5.958	5.964	-0.006	99	92066	5.00	5.06	
61 Isopropyl acetate	43	7.196	7.195	0.001	98	229516	5.00	4.77	
* 64 Fluorobenzene (IS)	96	7.507	7.512	-0.006	98	1720288	10.0	10.0	
75 n-Propyl acetate	61	8.506	8.512	-0.006	99	43661	5.00	5.24	
78 2-Chloroethyl vinyl ether	63	9.049	9.055	-0.006	94	74772	5.00	5.02	
110 n-Butyl acetate	43	10.463	10.469	-0.006	97	194010	5.00	4.97	
* 113 Chlorobenzene-d5 (IS)	117	11.049	11.048	0.000	87	1305006	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.963	11.963	0.000	31	109600	10.0	9.93	a
125 Cyclohexanone	55	12.000	11.999	0.001	92	68571	250.0	239.5	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	725450	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_V5ACE_00029	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00007	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00063	Amount Added:	5.00	Units: uL
MSV_DME_00049	Amount Added:	1.00	Units: uL
MSV_LLcentISS_00010	Amount Added:	5.00	Units: uL

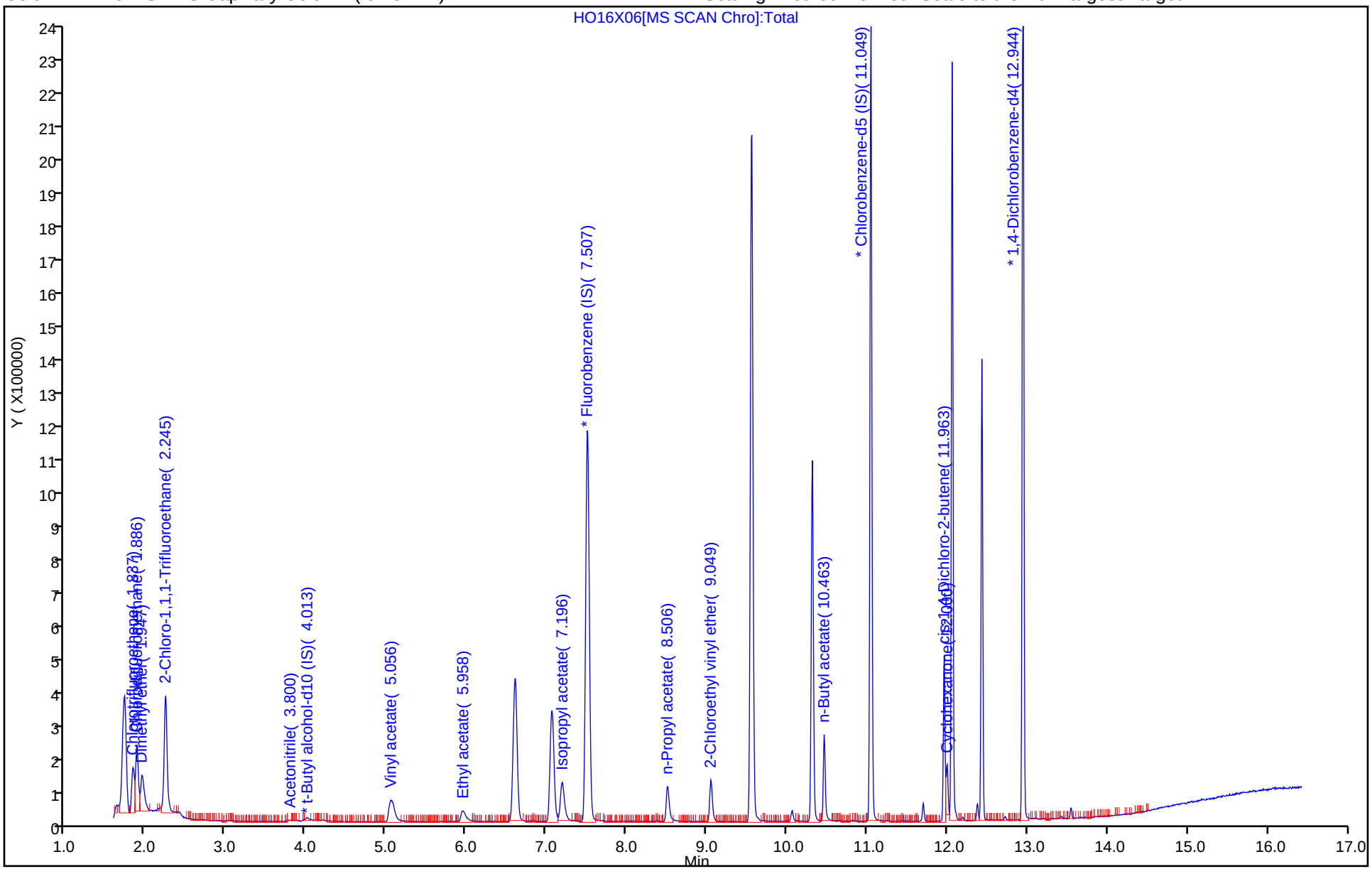
Report Date: 20-Oct-2023 13:24:40 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X06.D

Injection Date:	17-Oct-2023 05:42:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	IC std5 5			Worklist Smp#:	7
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

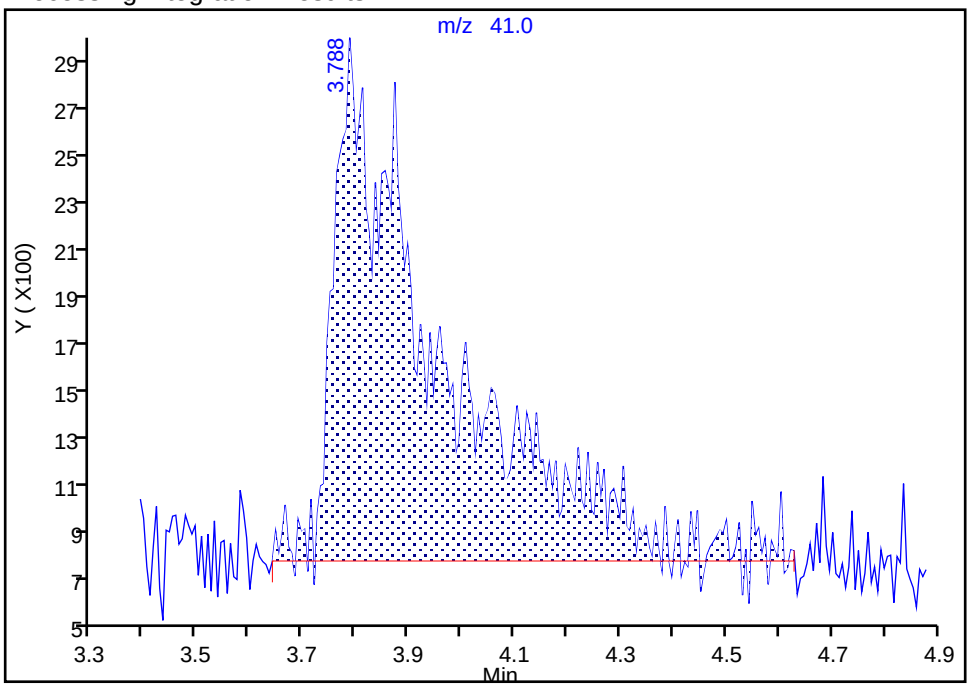
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X06.D				
Injection Date:	17-Oct-2023 05:42:30	Instrument ID:	19094		
Lims ID:	IC std5 5				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

25 Acetonitrile, CAS: 75-05-8

Signal: 1

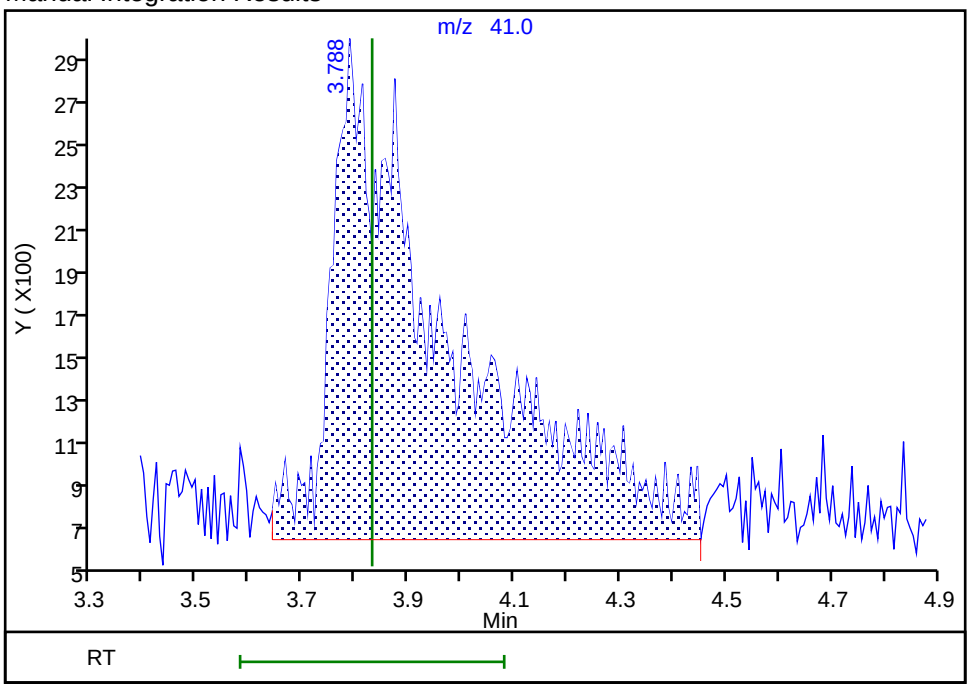
Processing Integration Results

RT: 3.79
Area: 28627
Amount: 19.377614
Amount Units: ug/l



Manual Integration Results

RT: 3.79
Area: 34440
Amount: 26.794650
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:10:14 -04:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

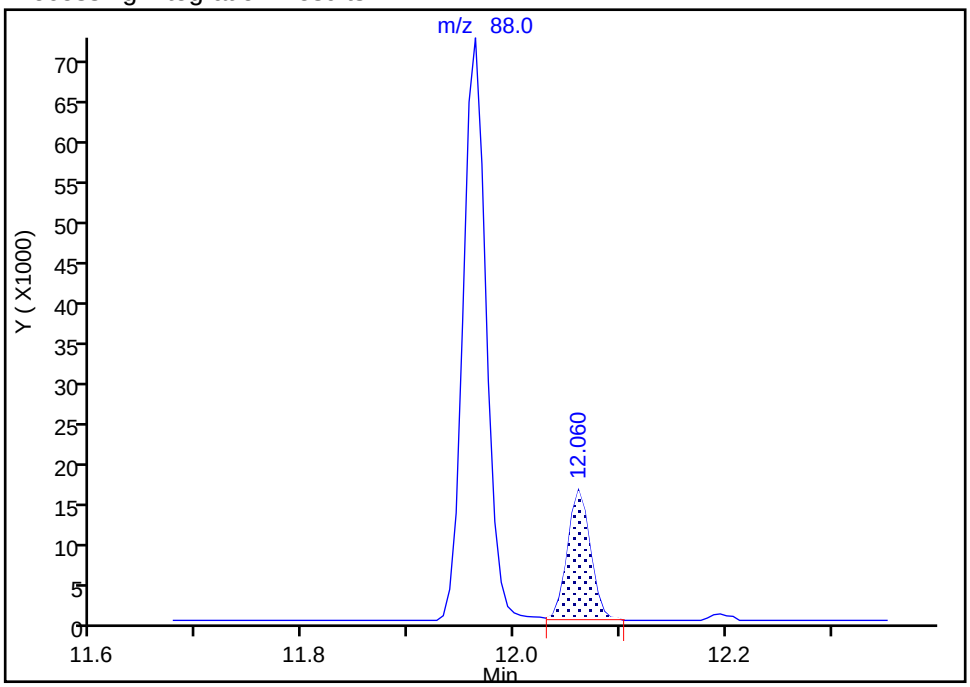
Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X06.D
Injection Date: 17-Oct-2023 05:42:30 Instrument ID: 19094
Lims ID: IC std5 5
Client ID:
Operator ID: GAW91131 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

124 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

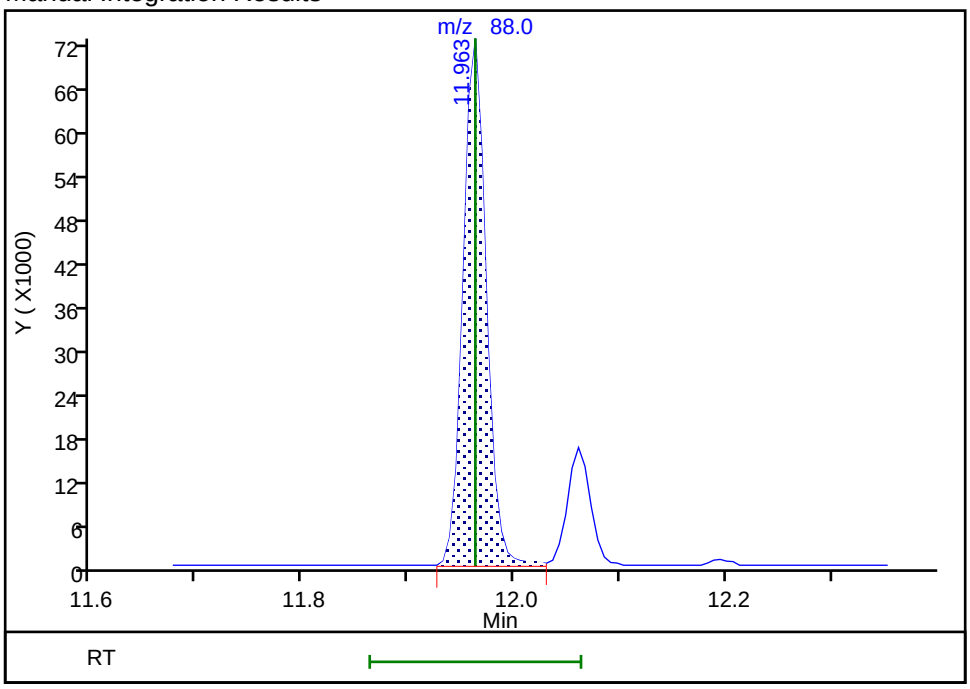
Processing Integration Results

RT: 12.06
Area: 24539
Amount: 2.427017
Amount Units: ug/l



Manual Integration Results

RT: 11.96
Area: 109600
Amount: 9.929732
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:10:24 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X07.D
Lims ID: IC std6 10
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 17-Oct-2023 06:02:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-008
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub49

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:24:42 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 17-Oct-2023 10:57:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.831	1.831	0.000	93	337054	10.0	10.8	
3 Chlorodifluoromethane	51	1.879	1.879	0.000	97	690429	10.0	10.2	
4 Dimethyl ether	45	1.946	1.946	0.000	99	501744	10.0	9.03	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.239	2.239	0.000	35	566296	10.0	10.3	
25 Acetonitrile	41	3.794	3.794	0.000	98	61078	50.0	47.4	
* 28 t-Butyl alcohol-d10 (IS)	65	4.007	4.007	0.000	22	48600	50.0	50.0	
35 Vinyl acetate	43	5.056	5.056	0.000	97	547670	10.0	11.4	
45 Ethyl acetate	43	5.946	5.946	0.000	99	201819	10.0	11.1	
61 Isopropyl acetate	43	7.189	7.189	0.000	98	479066	10.0	9.93	
* 64 Fluorobenzene (IS)	96	7.506	7.506	0.000	98	1723746	10.0	10.0	
75 n-Propyl acetate	61	8.506	8.506	0.000	99	96024	10.0	11.5	
78 2-Chloroethyl vinyl ether	63	9.049	9.049	0.000	93	162372	10.0	10.9	
110 n-Butyl acetate	43	10.463	10.463	0.000	97	417864	10.0	10.7	
* 113 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	87	1305002	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.963	11.963	0.000	31	234632	20.0	21.3	a
125 Cyclohexanone	55	11.999	11.999	0.000	93	116757	500.0	479.9	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	727425	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

MSV_CCV_V5ACE_00029	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00007	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00063	Amount Added:	5.00	Units: uL
MSV_DME_00049	Amount Added:	1.00	Units: uL
MSV_LLcentISS_00010	Amount Added:	5.00	Units: uL

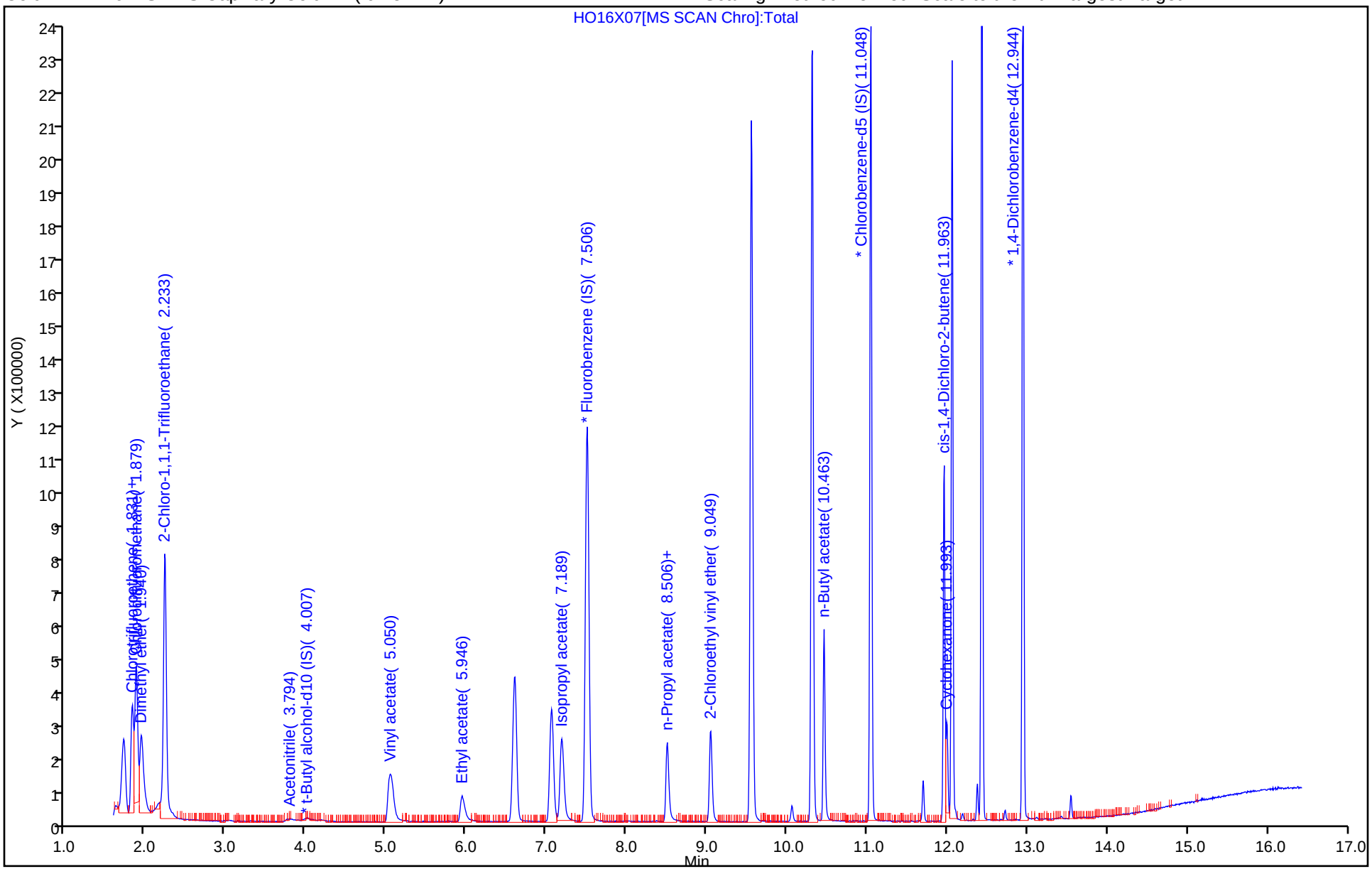
Report Date: 20-Oct-2023 13:24:43 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X07.D

Injection Date:	17-Oct-2023 06:02:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	IC std6 10			Worklist Smp#:	8
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

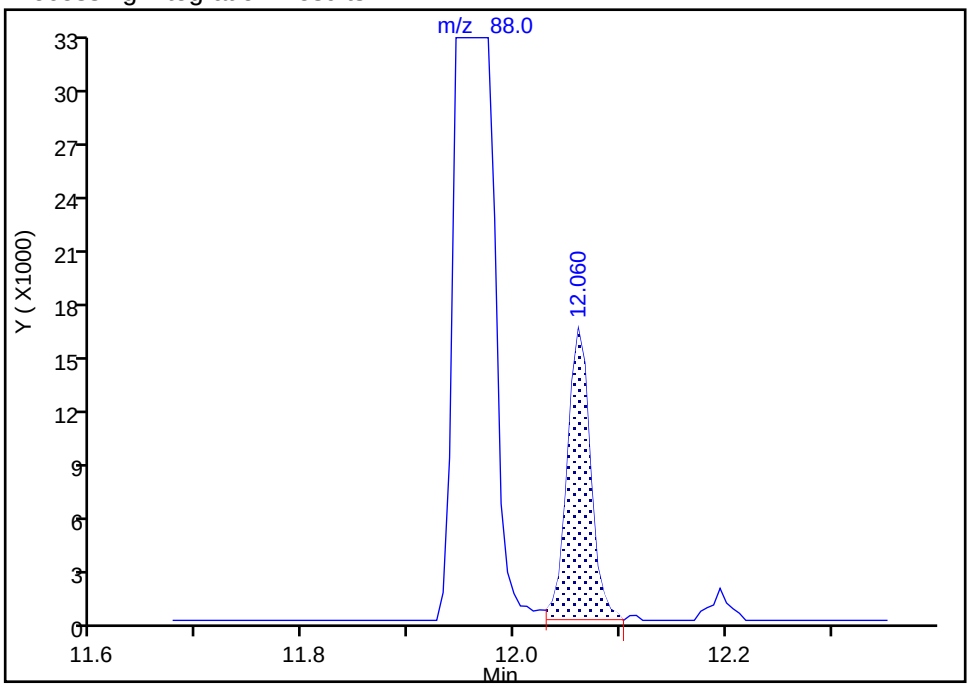
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X07.D				
Injection Date:	17-Oct-2023 06:02:30	Instrument ID:	19094		
Lims ID:	IC std6 10				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

124 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

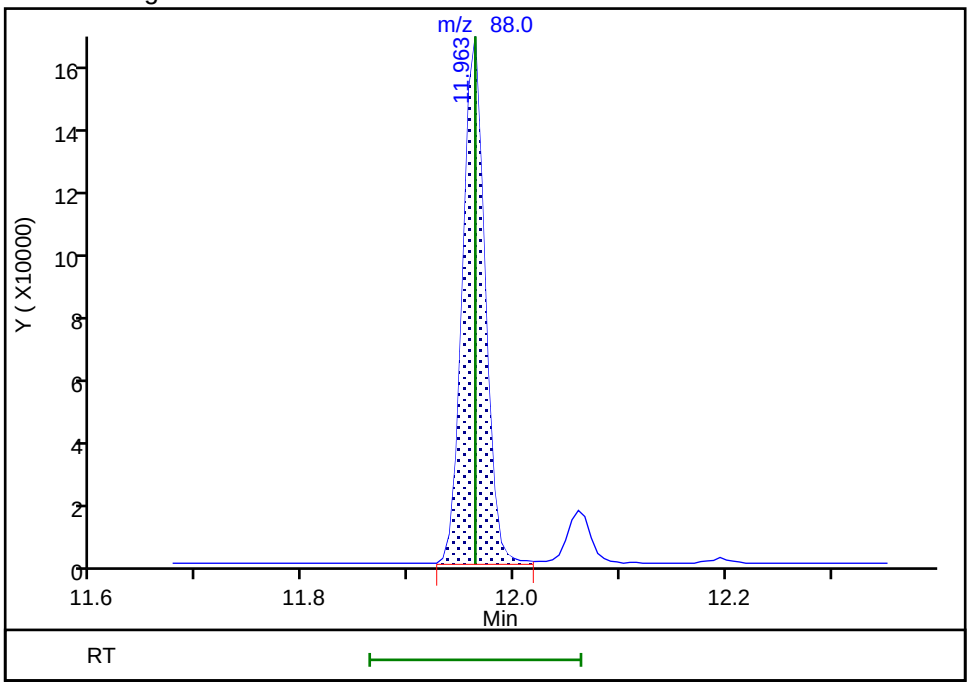
Processing Integration Results

RT: 12.06
Area: 24738
Amount: 1.657029
Amount Units: ug/l



Manual Integration Results

RT: 11.96
Area: 234632
Amount: 21.257664
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:06:27 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X08.D
Lims ID: IC std7 25
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 17-Oct-2023 06:22:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-009
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub49

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:24:47 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 17-Oct-2023 10:59:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.837	1.831	0.006	93	819411	25.0	26.1	
3 Chlorodifluoromethane	51	1.886	1.879	0.007	97	1693144	25.0	24.9	
4 Dimethyl ether	45	1.953	1.946	0.007	99	1223405	25.0	21.8	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.245	2.239	0.006	36	1389733	25.0	25.2	
25 Acetonitrile	41	3.775	3.794	-0.019	99	141016	125.0	108.5	
* 28 t-Butyl alcohol-d10 (IS)	65	4.032	4.007	0.025	22	49520	50.0	50.0	
35 Vinyl acetate	43	5.050	5.056	-0.006	97	1013527	25.0	20.9	
45 Ethyl acetate	43	5.952	5.946	0.006	99	436711	25.0	23.7	
61 Isopropyl acetate	43	7.189	7.189	0.000	98	1079542	25.0	22.2	
* 64 Fluorobenzene (IS)	96	7.506	7.506	0.000	99	1739369	10.0	10.0	
75 n-Propyl acetate	61	8.506	8.506	0.000	99	216167	25.0	25.7	
78 2-Chloroethyl vinyl ether	63	9.049	9.049	0.000	93	405249	25.0	26.9	
110 n-Butyl acetate	43	10.463	10.463	0.000	97	935873	25.0	23.6	
* 113 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	87	1325140	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.963	11.963	0.000	100	588344	50.0	52.5	a
125 Cyclohexanone	55	11.999	11.999	0.000	93	330431	1250.0	1332.9	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	733535	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MSV_CCV_V5ACE_00029	Amount Added:	2.50	Units: uL
MSV_CCV_CYC_00007	Amount Added:	20.00	Units: uL
MSV_V_SMRV4_00063	Amount Added:	12.50	Units: uL
MSV_DME_00049	Amount Added:	2.50	Units: uL
MSV_LLcentISS_00010	Amount Added:	5.00	Units: uL

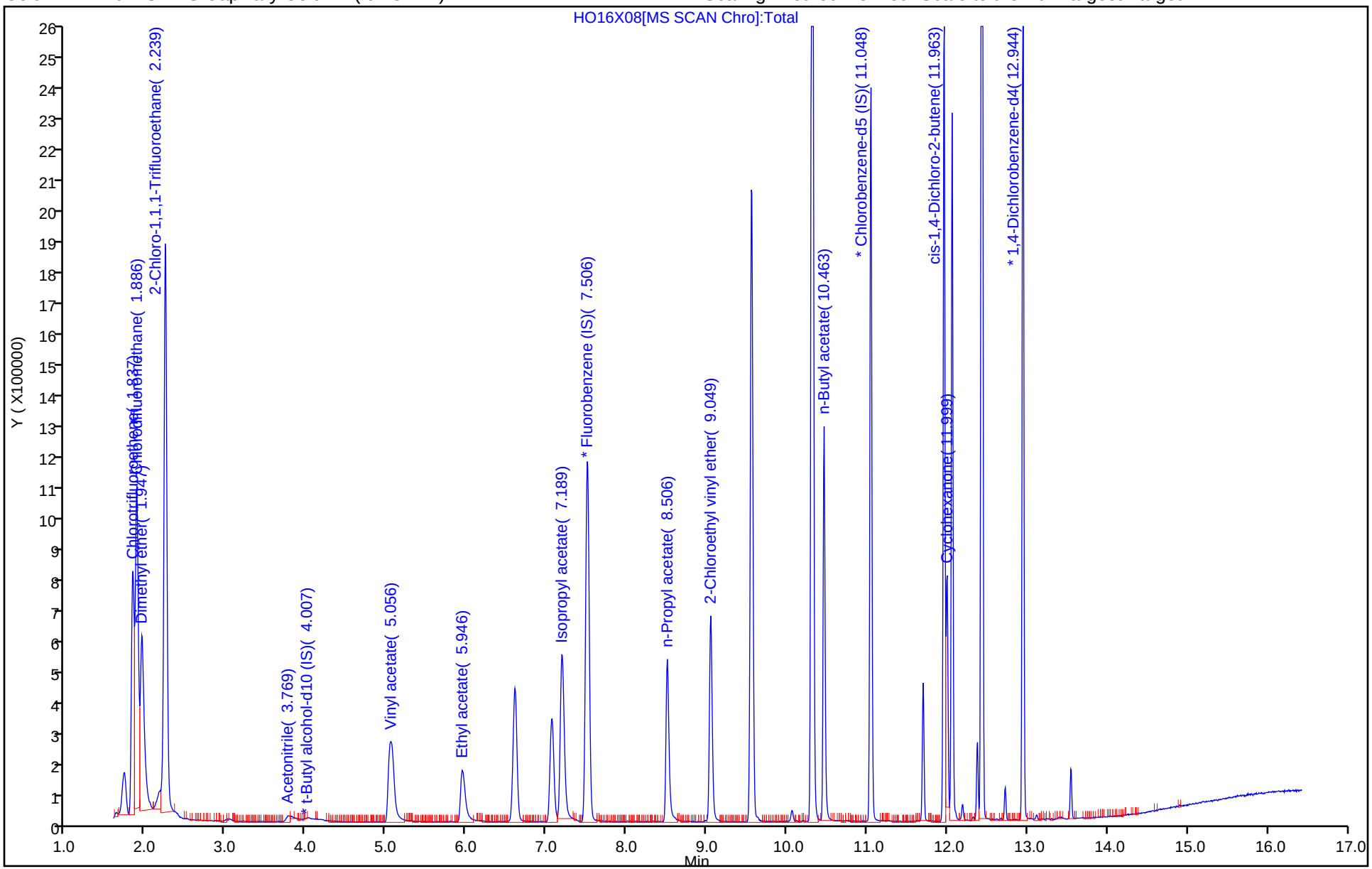
Report Date: 20-Oct-2023 13:24:49 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X08.D

Injection Date:	17-Oct-2023 06:22:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	IC std7 25			Worklist Smp#:	9
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

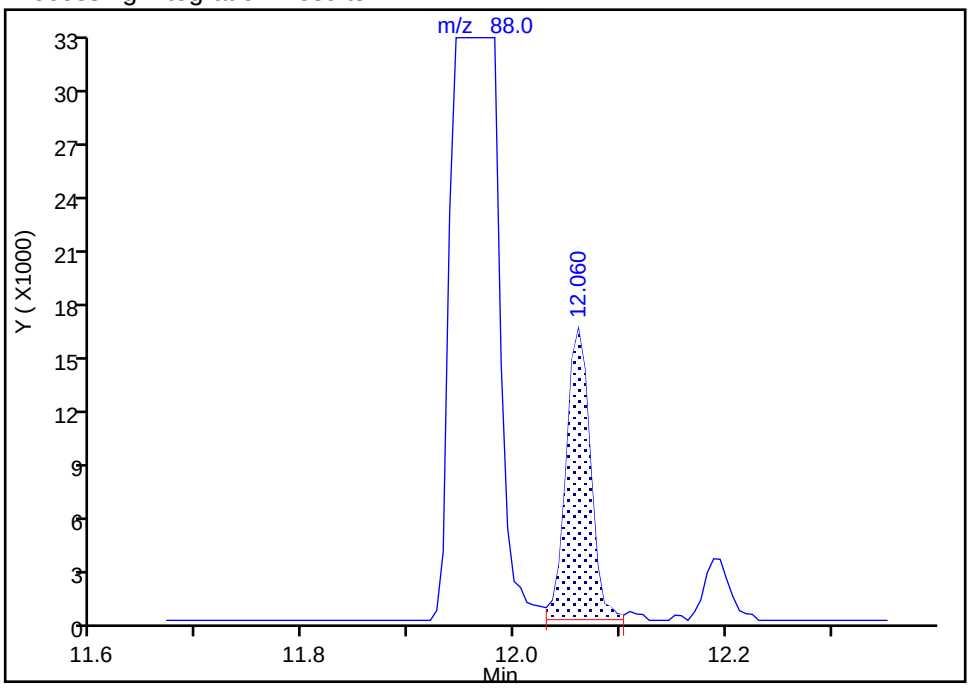
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X08.D				
Injection Date:	17-Oct-2023 06:22:30	Instrument ID:	19094		
Lims ID:	IC std7 25				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

124 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

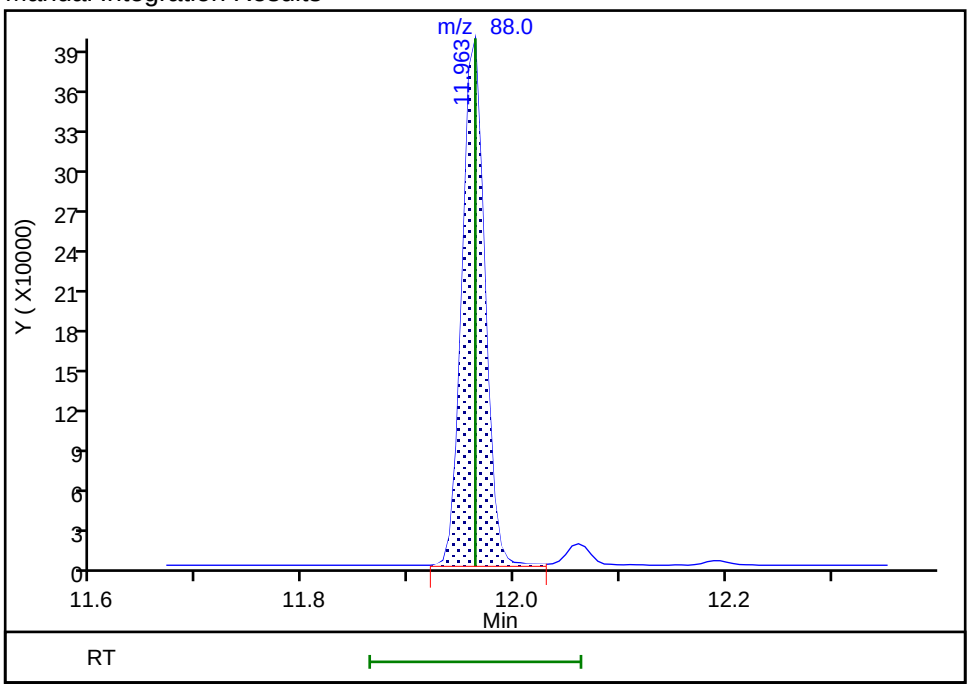
Processing Integration Results

RT: 12.06
Area: 25885
Amount: 2.250734
Amount Units: ug/l



Manual Integration Results

RT: 11.96
Area: 588344
Amount: 52.493924
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:12:03 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Calibration / Chlorodifluoromethane

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

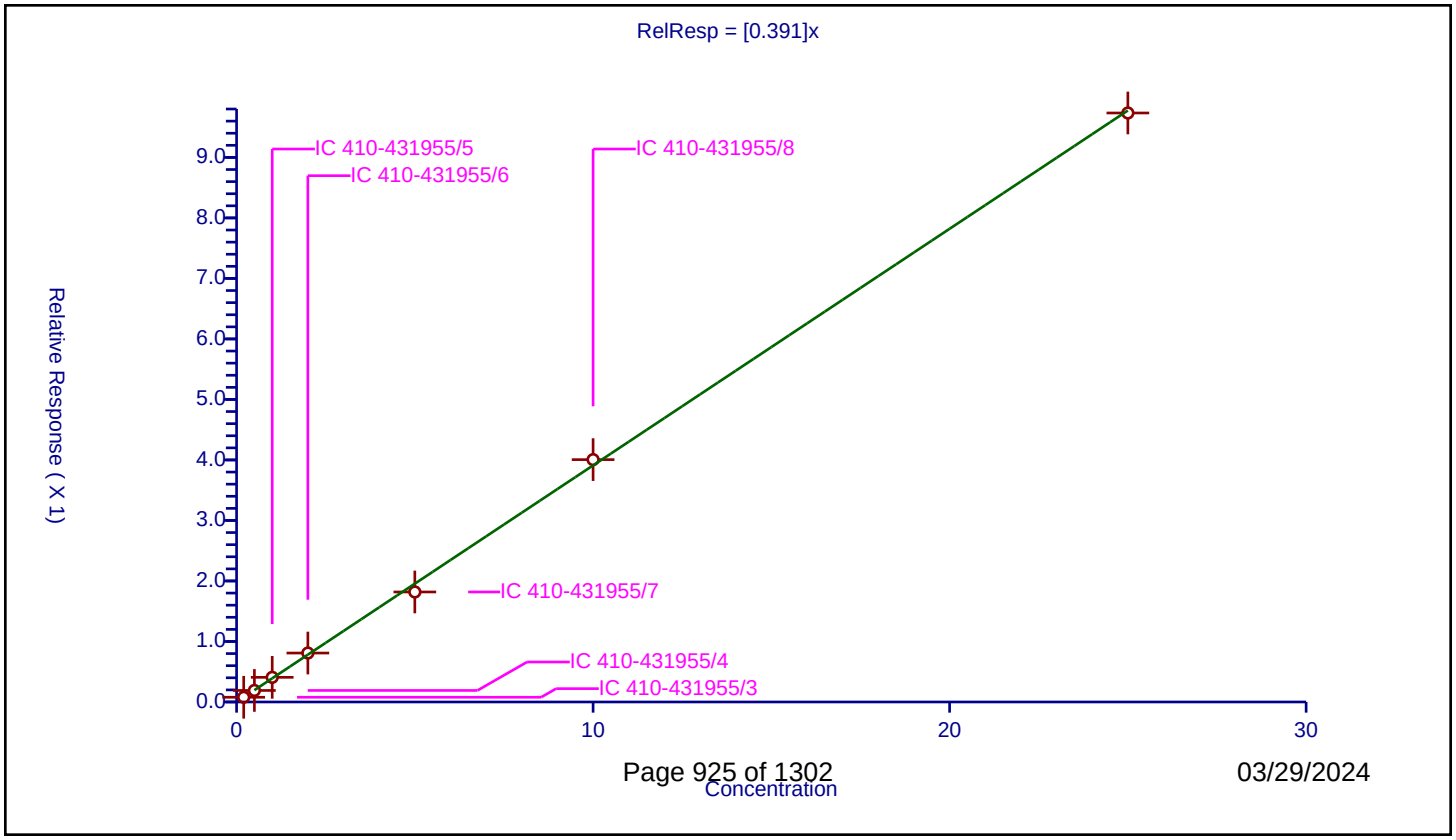
Curve Coefficients

Intercept:	0
Slope:	0.391

Error Coefficients

Standard Error:	760000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/3	0.2	0.078052	10.0	1743969.0	0.390259	Y
2	IC 410-431955/4	0.5	0.190611	10.0	1705254.0	0.381222	Y
3	IC 410-431955/5	1.0	0.407652	10.0	1727798.0	0.407652	Y
4	IC 410-431955/6	2.0	0.80889	10.0	1718207.0	0.404445	Y
5	IC 410-431955/7	5.0	1.818219	10.0	1720288.0	0.363644	Y
6	IC 410-431955/8	10.0	4.005399	10.0	1723746.0	0.40054	Y
7	IC 410-431955/9	25.0	9.734243	10.0	1739369.0	0.38937	Y



Calibration / Dimethyl ether

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

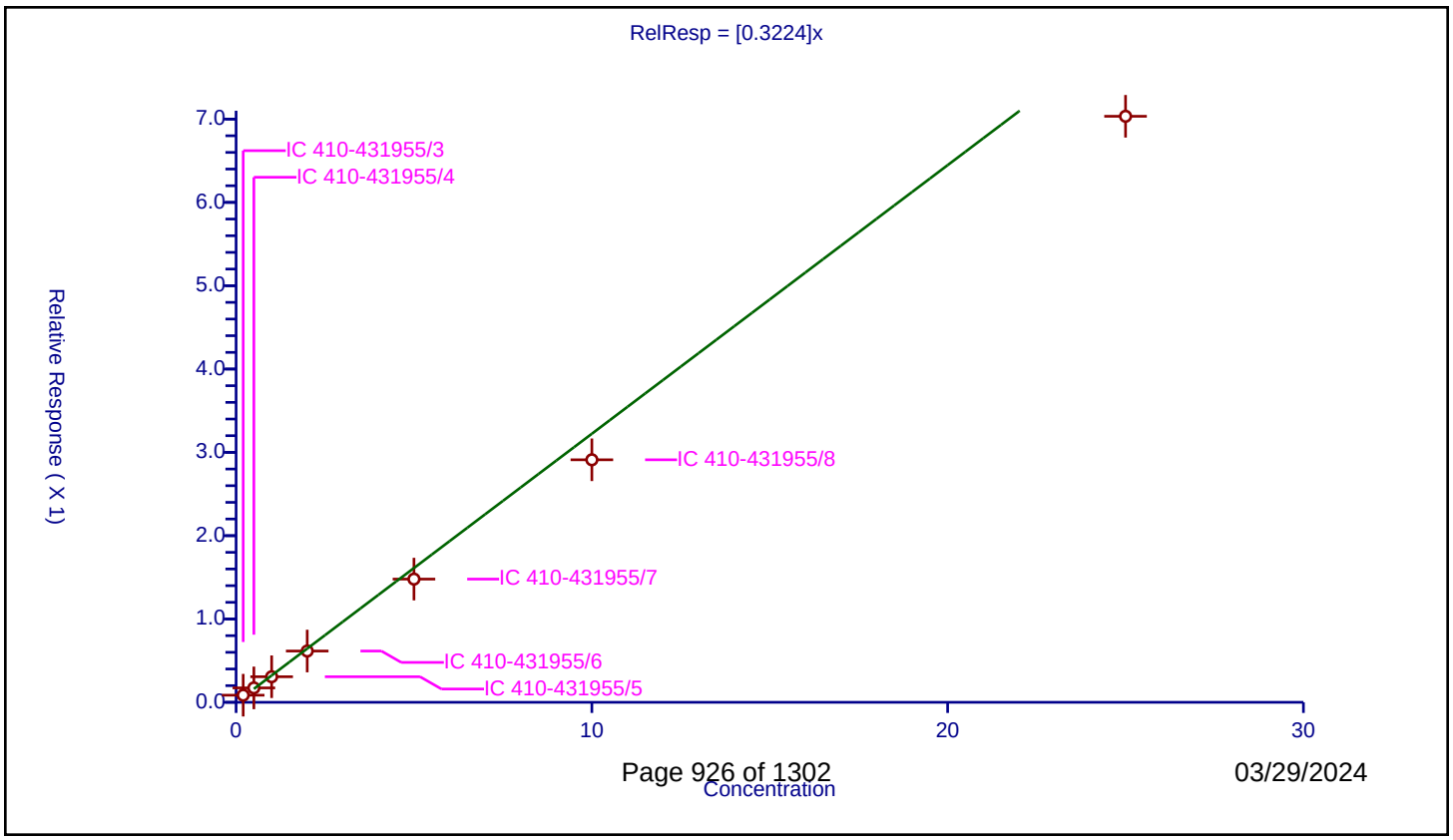
Curve Coefficients

Intercept:	0
Slope:	0.3224

Error Coefficients

Standard Error:	552000
Relative Standard Error:	15.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.957

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/3	0.2	0.085546	10.0	1743969.0	0.427731	Y
2	IC 410-431955/4	0.5	0.172965	10.0	1705254.0	0.345931	Y
3	IC 410-431955/5	1.0	0.306841	10.0	1727798.0	0.306841	Y
4	IC 410-431955/6	2.0	0.615549	10.0	1718207.0	0.307774	Y
5	IC 410-431955/7	5.0	1.47884	10.0	1720288.0	0.295768	Y
6	IC 410-431955/8	10.0	2.910777	10.0	1723746.0	0.291078	Y
7	IC 410-431955/9	25.0	7.033614	10.0	1739369.0	0.281345	Y



Calibration / Acetonitrile

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

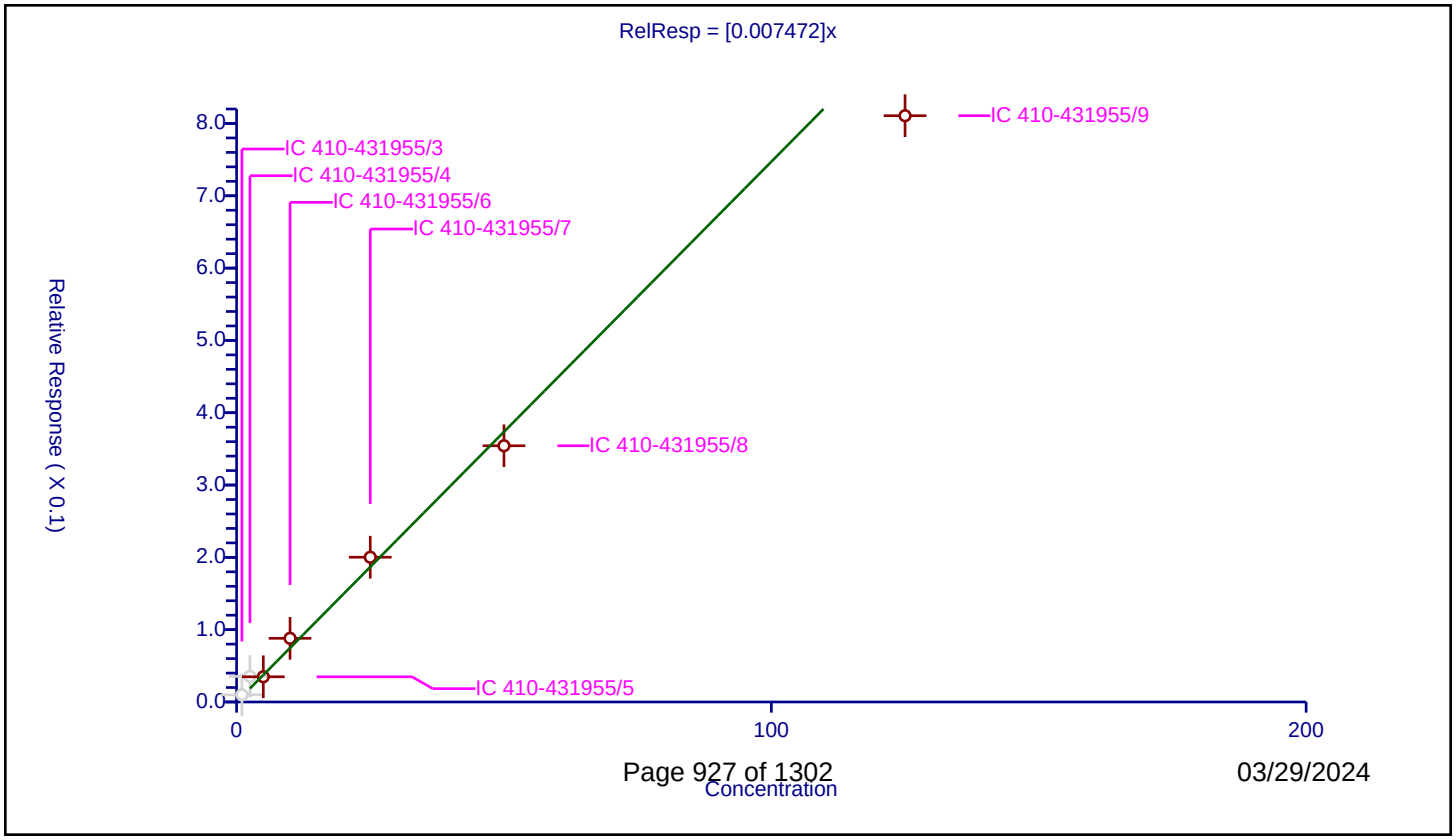
Curve Coefficients

Intercept:	0
Slope:	0.007472

Error Coefficients

Standard Error:	79200
Relative Standard Error:	12.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/3	1.0	0.009949	10.0	1743969.0	0.009949	N
2	IC 410-431955/4	2.5	0.035396	10.0	1705254.0	0.014159	N
3	IC 410-431955/5	5.0	0.034871	10.0	1727798.0	0.006974	Y
4	IC 410-431955/6	10.0	0.088034	10.0	1718207.0	0.008803	Y
5	IC 410-431955/7	25.0	0.200199	10.0	1720288.0	0.008008	Y
6	IC 410-431955/8	50.0	0.354333	10.0	1723746.0	0.007087	Y
7	IC 410-431955/9	125.0	0.810731	10.0	1739369.0	0.006486	Y



Calibration / Vinyl acetate

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

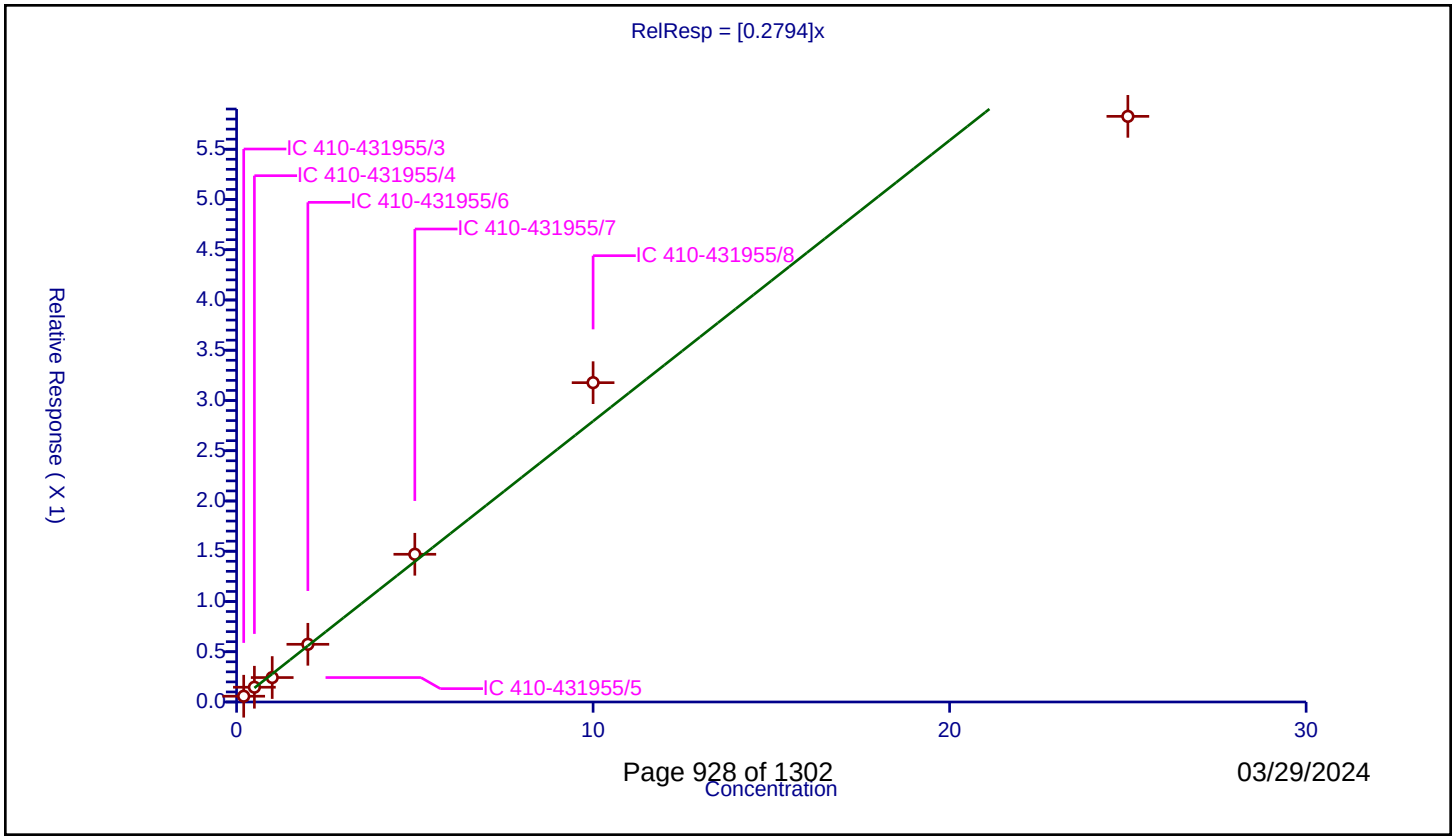
Curve Coefficients

Intercept:	0
Slope:	0.2794

Error Coefficients

Standard Error:	484000
Relative Standard Error:	10.8
Correlation Coefficient:	0.981
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/3	0.2	0.057432	10.0	1743969.0	0.287161	Y
2	IC 410-431955/4	0.5	0.146793	10.0	1705254.0	0.293587	Y
3	IC 410-431955/5	1.0	0.2432	10.0	1727798.0	0.2432	Y
4	IC 410-431955/6	2.0	0.574133	10.0	1718207.0	0.287067	Y
5	IC 410-431955/7	5.0	1.469667	10.0	1720288.0	0.293933	Y
6	IC 410-431955/8	10.0	3.177208	10.0	1723746.0	0.317721	Y
7	IC 410-431955/9	25.0	5.826981	10.0	1739369.0	0.233079	Y



Calibration / Ethyl acetate

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

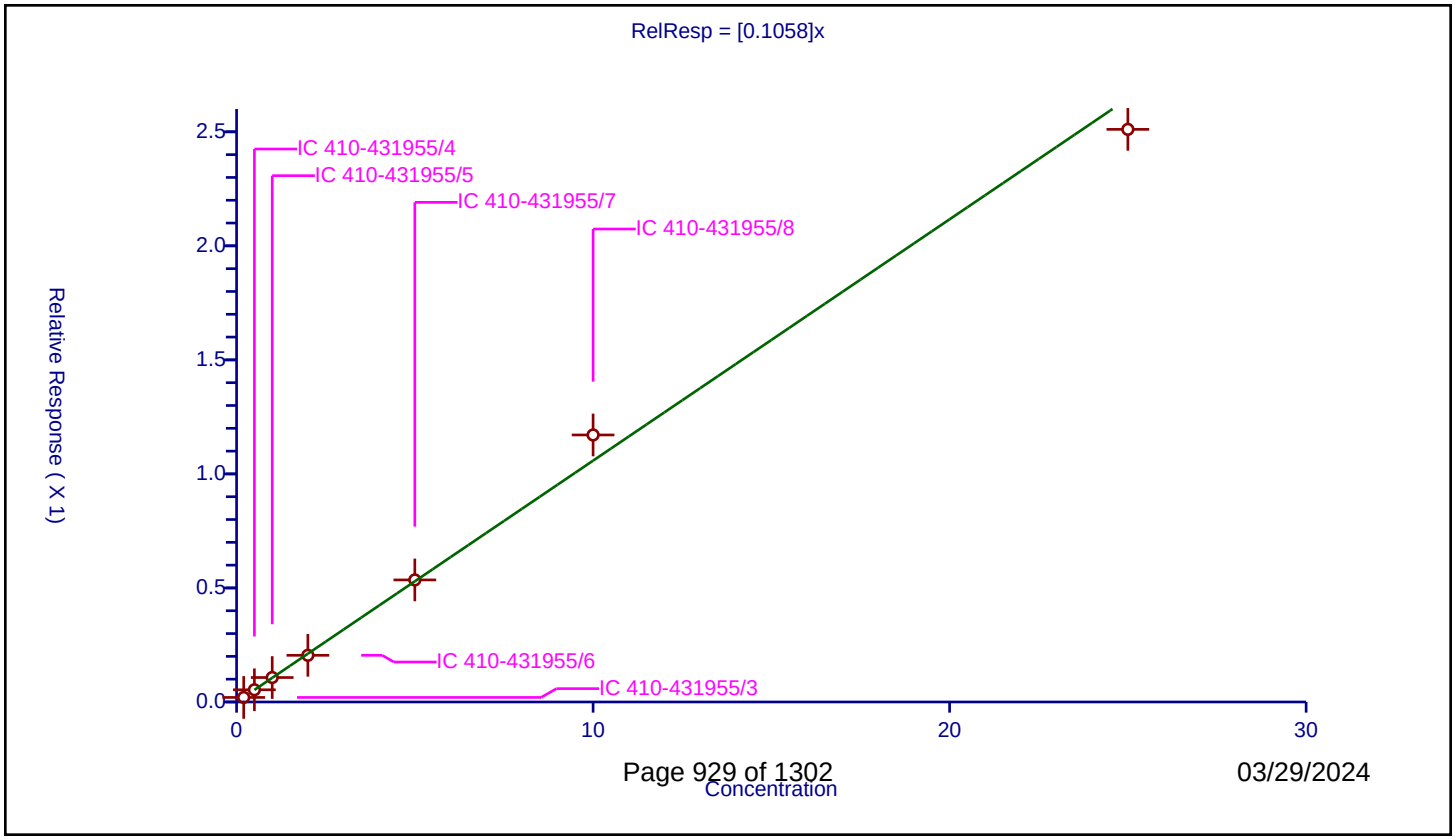
Curve Coefficients

Intercept:	0
Slope:	0.1058

Error Coefficients

Standard Error:	201000
Relative Standard Error:	5.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/3	0.2	0.019914	10.0	1743969.0	0.099572	Y
2	IC 410-431955/4	0.5	0.053482	10.0	1705254.0	0.106964	Y
3	IC 410-431955/5	1.0	0.107316	10.0	1727798.0	0.107316	Y
4	IC 410-431955/6	2.0	0.20469	10.0	1718207.0	0.102345	Y
5	IC 410-431955/7	5.0	0.535178	10.0	1720288.0	0.107036	Y
6	IC 410-431955/8	10.0	1.170816	10.0	1723746.0	0.117082	Y
7	IC 410-431955/9	25.0	2.510744	10.0	1739369.0	0.10043	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

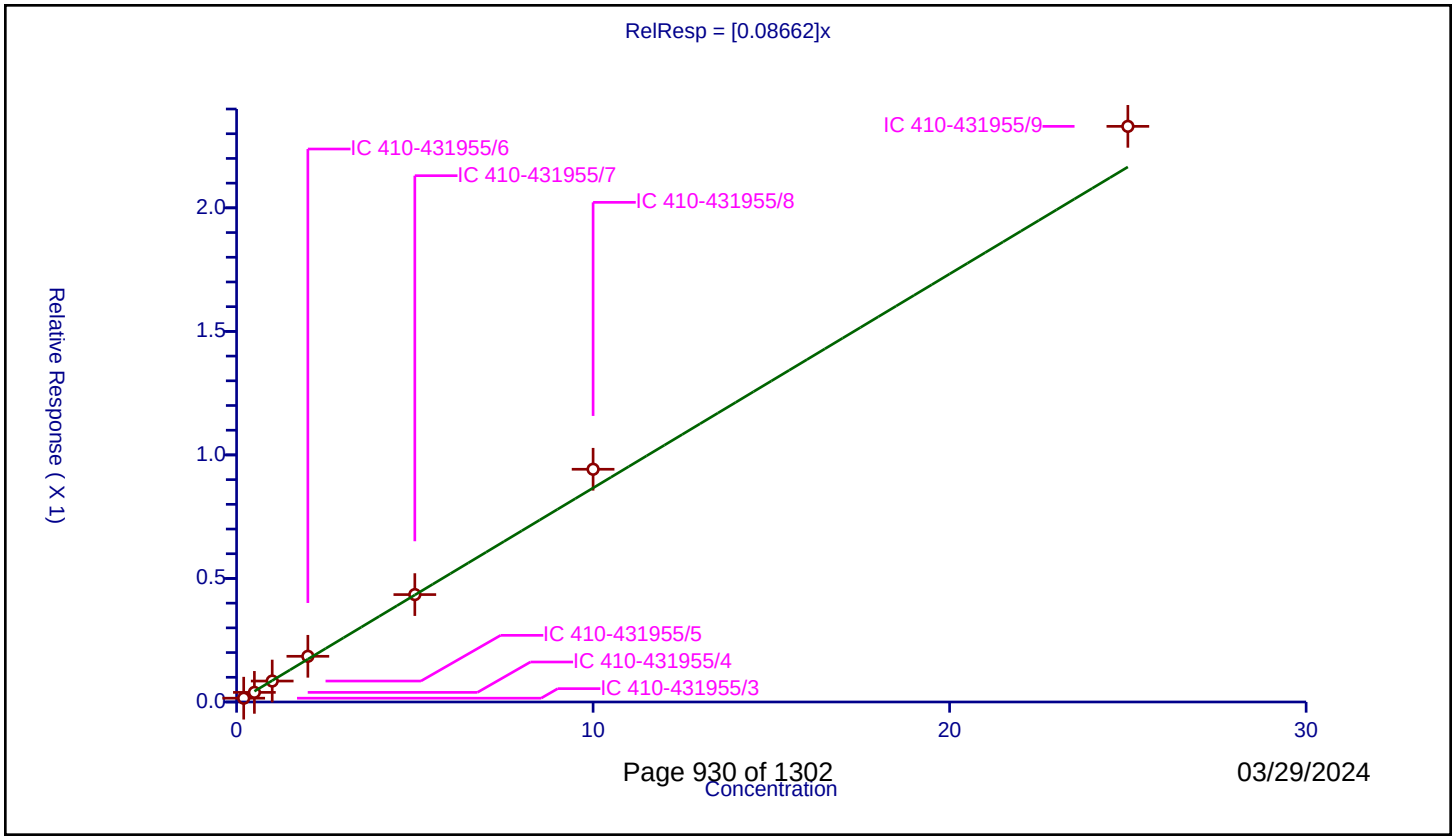
Curve Coefficients

Intercept:	0
Slope:	0.08662

Error Coefficients

Standard Error:	181000
Relative Standard Error:	8.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/3	0.2	0.015402	10.0	1743969.0	0.077008	Y
2	IC 410-431955/4	0.5	0.038897	10.0	1705254.0	0.077795	Y
3	IC 410-431955/5	1.0	0.084773	10.0	1727798.0	0.084773	Y
4	IC 410-431955/6	2.0	0.18489	10.0	1718207.0	0.092445	Y
5	IC 410-431955/7	5.0	0.434648	10.0	1720288.0	0.08693	Y
6	IC 410-431955/8	10.0	0.941972	10.0	1723746.0	0.094197	Y
7	IC 410-431955/9	25.0	2.329862	10.0	1739369.0	0.093194	Y



Calibration / cis-1,4-Dichloro-2-butene

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

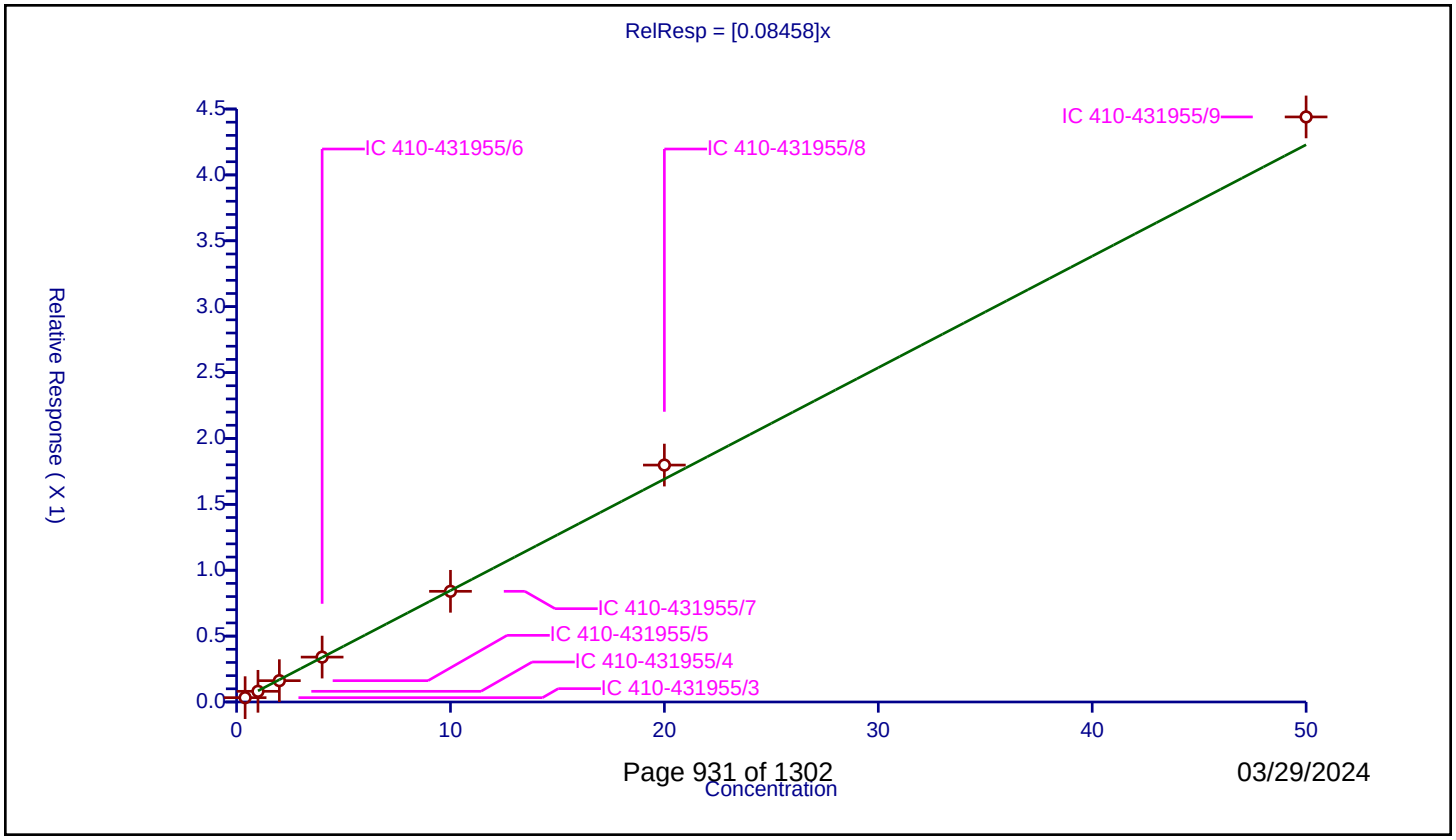
Curve Coefficients

Intercept:	0
Slope:	0.08458

Error Coefficients

Standard Error:	263000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/3	0.39999	0.03286	10.0	1303727.0	0.082151	Y
2	IC 410-431955/4	0.999976	0.081121	10.0	1293253.0	0.081123	Y
3	IC 410-431955/5	1.999951	0.161804	10.0	1298673.0	0.080904	Y
4	IC 410-431955/6	3.999903	0.340741	10.0	1304716.0	0.085187	Y
5	IC 410-431955/7	9.999757	0.839843	10.0	1305006.0	0.083986	Y
6	IC 410-431955/8	19.999514	1.797944	10.0	1305002.0	0.089899	Y
7	IC 410-431955/9	49.998785	4.439863	10.0	1325140.0	0.088799	Y



Calibration / Cyclohexanone

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

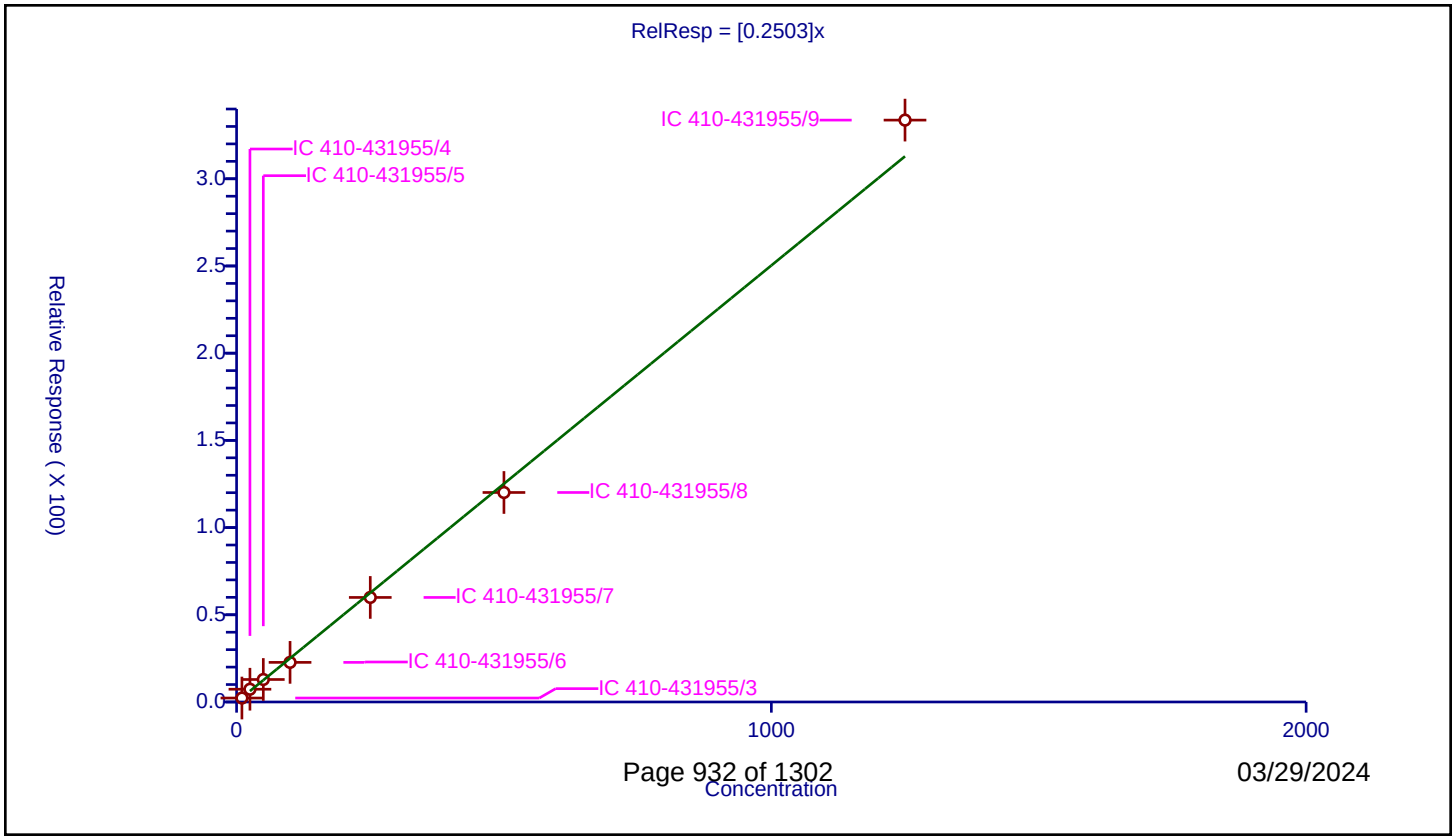
Curve Coefficients

Intercept:	0
Slope:	0.2503

Error Coefficients

Standard Error:	146000
Relative Standard Error:	9.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/3	9.999799	2.276753	50.0	88635.0	0.22768	Y
2	IC 410-431955/4	24.999498	7.312692	50.0	85167.0	0.292514	Y
3	IC 410-431955/5	49.998995	12.894071	50.0	50562.0	0.257887	Y
4	IC 410-431955/6	99.99799	22.713134	50.0	54332.0	0.227136	Y
5	IC 410-431955/7	249.994976	59.938637	50.0	57201.0	0.239759	Y
6	IC 410-431955/8	499.989952	120.12037	50.0	48600.0	0.240246	Y
7	IC 410-431955/9	1249.97488	333.633885	50.0	49520.0	0.266912	Y



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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-431955/13	HO16X12.D
Level 2	IC 410-431955/14	HO16X13.D
Level 3	IC 410-431955/15	HO16X14.D
Level 4	IC 410-431955/16	HO16X15.D
Level 5	IC 410-431955/17	HO16X16.D
Level 6	ICIS 410-431955/18	HO16X17.D
Level 7	IC 410-431955/19	HO16X18.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	0.3554 0.2832	0.3169 0.2751	0.2743	0.2587	0.3052	Ave		0.2955			0.1000	11.1		20.0			
Chloromethane	0.3897 0.3151	0.3373 0.3067	0.2853	0.3049	0.3323	Ave		0.3245			0.1000	10.4		20.0			
Vinyl chloride	0.3587 0.3091	0.3376 0.2961	0.2730	0.2845	0.3198	Ave		0.3113			0.1000	9.7		20.0			
1,3-Butadiene	0.4281 0.3130	0.3971 0.2947	0.2956	0.3042	0.3306	Ave		0.3376				15.8		20.0			
Bromomethane	0.2375 0.2241	0.2457 0.2142	0.1924	0.2057	0.2316	Ave		0.2216			0.1000	8.4		20.0			
Chloroethane	0.2059 0.1816	0.1932 0.1737	0.1556	0.1632	0.1846	Ave		0.1797			0.1000	9.6		20.0			
Dichlorofluoromethane	0.5471 0.4941	0.5520 0.4784	0.4319	0.4624	0.5121	Ave		0.4969			0.1000	8.8		20.0			
Trichlorofluoromethane	0.4122 0.3762	0.4062 0.3609	0.3236	0.3362	0.3920	Ave		0.3725			0.1000	9.1		20.0			
Ethyl ether	0.2294 0.1566	0.1819 0.1485	0.1657	0.1586	0.1625	Ave		0.1719				15.9		20.0			
Freon 123a	+++++ 0.2690	0.2973 0.2601	0.2511	0.2482	0.2782	Ave		0.2673				6.9		20.0			
Acrolein	2.5636 2.4520	2.4333 2.3139	2.3090	2.4347	2.6397	Ave		2.4495				4.9		20.0			
1,1-Dichloroethene	0.2771 0.1962	0.2098 0.1934	0.1856	0.1959	0.2053	Ave		0.2090			0.1000	14.8		20.0			
Acetone	+++++ 2.8671	3.3576 2.7681	3.1660	2.9221	3.0751	Ave		3.0260			0.1000	7.2		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Freon 113	0.1804 0.2013	0.1898 0.1983	0.1840	0.1834	0.2086	Ave		0.1923			0.1000	5.5		20.0			
Methyl iodide	0.4263 0.4236	0.4057 0.4145	0.3839	0.4005	0.4360	Ave		0.4129				4.3		20.0			
Ethyl bromide	0.1992 0.1866	0.1900 0.1796	0.1834	0.1759	0.1950	Ave		0.1871				4.4		20.0			
Carbon disulfide	0.6217 0.5943	0.5809 0.5771	0.5342	0.5540	0.6115	Ave		0.5820			0.1000	5.3		20.0			
Methyl acetate	10.043 8.6445	9.6234 8.1299	8.8966	7.5719	8.8366	Ave		8.8208			0.1000	9.5		20.0			
Allyl chloride	0.3905 0.3502	0.3547 0.3391	0.3164	0.3369	0.3602	Ave		0.3497				6.6		20.0			
Methylene Chloride	0.2429 0.2174	0.2310 0.2123	0.2080	0.2150	0.2263	Ave		0.2218			0.1000	5.5		20.0			
t-Butyl alcohol	1.1871 0.8062	0.9593 0.7674	0.9021	0.8188	0.8304	Ave		0.8959				16.0		20.0			
Acrylonitrile	3.4198 4.0038	4.1307 3.8673	3.9927	3.9801	4.2558	Ave		3.9500				6.7		20.0			
Methyl tert-butyl ether	0.5515 0.5231	0.5245 0.5149	0.5158	0.5143	0.5449	Ave		0.5270			0.1000	2.9		20.0			
trans-1,2-Dichloroethene	0.3011 0.2321	0.2410 0.2227	0.2084	0.2221	0.2356	Ave		0.2375			0.1000	12.6		20.0			
n-Hexane	0.2767 0.2616	0.2562 0.2565	0.2501	0.2337	0.2694	Ave		0.2577				5.4		20.0			
1,1-Dichloroethane	0.4439 0.4309	0.4261 0.4161	0.3925	0.4039	0.4467	Ave		0.4229			0.2000	4.7		20.0			
di-Isopropyl ether	0.7193 0.7067	0.6826 0.6870	0.6616	0.6797	0.7396	Ave		0.6967				3.8		20.0			
2-Chloro-1,3-butadiene	0.4095 0.3872	0.3867 0.3719	0.3552	0.3654	0.4006	Ave		0.3824				5.1		20.0			
Ethyl t-butyl ether	0.7674 0.6758	0.6909 0.6523	0.6496	0.6578	0.7052	Ave		0.6856				6.1		20.0			
2-Butanone (MEK)	4.8771 5.1099	4.5635 4.8905	4.5855	5.3318	5.2751	Ave		4.9476			0.1000	6.2		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
cis-1,2-Dichloroethene	0.3343 0.2588	0.2778 0.2529	0.2331	0.2401	0.2685	Ave		0.2665			0.1000	12.6		20.0			
2,2-Dichloropropane	0.4375 0.3909	0.3917 0.3771	0.3669	0.3688	0.4117	Ave		0.3921				6.5		20.0			
Propionitrile	1.5250 1.3511	1.4736 1.3257	1.3711	1.1926	1.4066	Ave		1.3780				7.8		20.0			
Methacrylonitrile	6.2522 5.3372	5.2836 5.0855	5.3450	5.3581	5.8416	Ave		5.5005				7.3		20.0			
Bromochloromethane	0.1058 0.1102	0.1050 0.1077	0.1007	0.1034	0.1123	Ave		0.1065				3.7		20.0			
Tetrahydrofuran	1.9596 1.4254	1.8226 1.3834	1.4377	1.5060	1.5759	Ave		1.5872				13.9		20.0			
Chloroform	0.4706 0.4343	0.4352 0.4253	0.4156	0.4140	0.4537	Ave		0.4355			0.2000	4.7		20.0			
1,1,1-Trichloroethane	0.4764 0.3986	0.4239 0.3843	0.3844	0.3802	0.4114	Ave		0.4085			0.1000	8.3		20.0			
Cyclohexane	0.4555 0.3502	0.3938 0.3481	0.3444	0.3391	0.3643	Ave		0.3708			0.1000	11.2		20.0			
Carbon tetrachloride	0.3408 0.3518	0.3436 0.3421	0.3235	0.3274	0.3644	Ave		0.3419			0.1000	4.1		20.0			
1,1-Dichloropropene	0.3507 0.3370	0.3244 0.3253	0.3080	0.3108	0.3456	Ave		0.3288				5.0		20.0			
Isobutyl alcohol	0.3490 0.2896	0.2426 0.2841	0.2375	0.2797	0.3015	Ave		0.2834				13.2		20.0			
Benzene	1.0348 0.9714	0.9415 0.9475	0.8789	0.9036	1.0010	Ave		0.9541			0.5000	5.6		20.0			
1,2-Dichloroethane	0.3072 0.2766	0.2825 0.2681	0.2637	0.2614	0.2858	Ave		0.2779			0.1000	5.7		20.0			
t-Amyl methyl ether	0.5951 0.5859	0.5702 0.5795	0.5643	0.5626	0.6117	Ave		0.5813				3.1		20.0			
n-Heptane	0.2881 0.2555	0.2620 0.2524	0.2332	0.2332	0.2563	Ave		0.2544				7.3		20.0			
n-Butanol	0.2412 0.2197	0.2728 0.2033	0.2100	0.2044	0.2283	Ave		0.2257				11.0		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.: 410-164764-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Trichloroethene	0.3195 0.2665	0.2641 0.2615	0.2475	0.2514	0.2736	Ave		0.2692			0.2000	8.9		20.0			
Methylcyclohexane	0.4224 0.3658	0.3599 0.3626	0.3306	0.3348	0.3766	Ave		0.3647			0.1000	8.3		20.0			
1,2-Dichloropropane	0.2366 0.2425	0.2323 0.2385	0.2155	0.2293	0.2479	Ave		0.2347			0.1000	4.5		20.0			
Methyl methacrylate	12.602 11.093	12.024 10.419	10.355	10.946	11.636	Ave		11.297				7.4		20.0			
1,4-Dioxane	+++++ 0.0388	0.0063 0.0355	0.0197	0.0344	0.0365	Lin2	-0.836	0.0392			0.0050				0.9940		0.9900
Dibromomethane	0.1047 0.1185	0.1080 0.1173	0.1113	0.1135	0.1224	Ave		0.1137				5.5		20.0			
Bromodichloromethane	0.3562 0.3156	0.2990 0.3097	0.2969	0.2919	0.3210	Ave		0.3129			0.2000	7.0		20.0			
2-Nitropropane	3.8145 3.9026	3.4150 3.6723	3.7926	4.0358	4.1798	Ave		3.8304				6.5		20.0			
1-Bromo-2-chloroethane	0.2285 0.2348	0.2254 0.2299	0.2243	0.2304	0.2401	Ave		0.2305				2.4		20.0			
cis-1,3-Dichloropropene	0.3794 0.3772	0.3419 0.3742	0.3339	0.3529	0.3893	Ave		0.3641			0.2000	5.8		20.0			
4-Methyl-2-pentanone (MIBK)	14.635 13.715	14.288 12.929	13.271	13.993	14.730	Ave		13.937			0.1000	4.9		20.0			
Toluene	0.8851 0.8406	0.8161 0.8183	0.7612	0.7903	0.8697	Ave		0.8259			0.4000	5.2		20.0			
trans-1,3-Dichloropropene	0.3974 0.4100	0.3826 0.4092	0.3746	0.3845	0.4202	Ave		0.3969			0.1000	4.3		20.0			
Ethyl methacrylate	0.2696 0.3100	0.2836 0.3086	0.2811	0.2883	0.3207	Ave		0.2946				6.3		20.0			
1,1,2-Trichloroethane	0.2281 0.2076	0.1957 0.2064	0.2044	0.1940	0.2193	Ave		0.2079			0.1000	5.9		20.0			
Tetrachloroethene	0.4138 0.4020	0.3926 0.3909	0.3687	0.3749	0.4192	Ave		0.3946			0.2000	4.8		20.0			
1,3-Dichloropropane	0.3548 0.3647	0.3466 0.3592	0.3428	0.3470	0.3785	Ave		0.3562				3.5		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.: 410-164764-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	9.0310 9.3432	9.1661 8.7786	9.0268	9.5067	10.102	Ave		9.2792			0.1000	4.7		20.0			
Dibromochloromethane	0.2732 0.2882	0.2664 0.2875	0.2605	0.2689	0.2965	Ave		0.2773				4.8		20.0			
1,2-Dibromoethane (EDB)	0.1856 0.2073	0.2021 0.2062	0.1909	0.1963	0.2149	Ave		0.2005			0.1000	5.1		20.0			
1-Chlorohexane	0.5515 0.4581	0.5002 0.4470	0.4356	0.4316	0.4771	Ave		0.4716				9.0		20.0			
Chlorobenzene	0.9197 0.9208	0.9053 0.9045	0.8334	0.8604	0.9566	Ave		0.9001			0.5000	4.6		20.0			
1,1,1,2-Tetrachloroethane	0.3338 0.3384	0.3175 0.3349	0.3052	0.3152	0.3514	Ave		0.3281				4.9		20.0			
Ethylbenzene	1.6796 1.6504	1.5977 1.6105	1.4754	1.5315	1.7149	Ave		1.6086			0.1000	5.2		20.0			
m&p-Xylene	0.6291 0.6468	0.6048 0.6330	0.5702	0.5937	0.6723	Ave		0.6214			0.1000	5.5		20.0			
o-Xylene	0.6095 0.6318	0.5965 0.6202	0.5701	0.5852	0.6520	Ave		0.6094			0.3000	4.6		20.0			
Styrene	1.0123 1.0299	0.9425 1.0157	0.8908	0.9429	1.0635	Ave		0.9854			0.3000	6.2		20.0			
Bromoform	0.1785 0.1795	0.1724 0.1797	0.1615	0.1688	0.1827	Ave		0.1748			0.1000	4.3		20.0			
Isopropylbenzene	1.5586 1.5536	1.4625 1.5093	1.3636	1.4153	1.6052	Ave		1.4954			0.1000	5.8		20.0			
1,1,2,2-Tetrachloroethane	0.5057 0.4498	0.4882 0.4477	0.4238	0.4258	0.4622	Ave		0.4576			0.3000	6.7		20.0			
Bromobenzene	0.7041 0.6932	0.6839 0.6853	0.6311	0.6503	0.7256	Ave		0.6819				4.7		20.0			
trans-1,4-Dichloro-2-butene	5.7400 5.8041	5.5171 5.4954	5.2915	5.8267	6.1681	Ave		5.6918				5.0		20.0			
1,2,3-Trichloropropane	0.1371 0.1211	0.1176 0.1203	0.1159	0.1178	0.1263	Ave		0.1223				6.0		20.0			
N-Propylbenzene	3.2403 3.3825	3.1547 3.2547	3.0186	3.0643	3.5178	Ave		3.2333				5.4		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.: 410-164764-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	0.6949 0.6985	0.6666 0.6834	0.6285	0.6396	0.7271	Ave		0.6769				5.1		20.0			
1,3,5-Trimethylbenzene	2.4121 2.4119	2.3098 2.3637	2.1899	2.2098	2.5002	Ave		2.3425				4.8		20.0			
4-Chlorotoluene	0.6984 0.7210	0.6783 0.7023	0.6347	0.6566	0.7488	Ave		0.6915				5.6		20.0			
tert-Butylbenzene	0.5871 0.5387	0.5305 0.5230	0.5172	0.4910	0.5553	Ave		0.5347				5.7		20.0			
Pentachloroethane	0.4097 0.4613	0.4133 0.4516	0.4169	0.4237	0.4752	Ave		0.4360				6.0		20.0			
1,2,4-Trimethylbenzene	2.4780 2.4498	2.3240 2.4078	2.1477	2.2247	2.5474	Ave		2.3685				6.1		20.0			
sec-Butylbenzene	3.0415 2.9668	2.7697 2.9037	2.6009	2.6458	3.0454	Ave		2.8534				6.4		20.0			
1,3-Dichlorobenzene	1.3307 1.3575	1.2594 1.3426	1.2071	1.2430	1.4099	Ave		1.3072			0.6000	5.5		20.0			
p-Isopropyltoluene	2.6111 2.6359	2.4442 2.5804	2.2849	2.3324	2.7021	Ave		2.5130				6.4		20.0			
1,4-Dichlorobenzene	1.3832 1.3502	1.3046 1.3263	1.2276	1.2398	1.3997	Ave		1.3188			0.5000	5.0		20.0			
1,2,3-Trimethylbenzene	1.1462 1.0736	1.0418 1.0603	0.9743	0.9833	1.1166	Ave		1.0566				6.0		20.0			
Benzyl chloride	0.1869 0.2004	0.1757 0.2005	0.1789	0.1897	0.2053	Ave		0.1911				6.0		20.0			
n-Butylbenzene	1.1500 1.2134	1.1043 1.2012	1.0237	1.0513	1.2383	Ave		1.1403				7.3		20.0			
1,2-Dichlorobenzene	1.1930 1.2125	1.1528 1.1929	1.1023	1.0985	1.2646	Ave		1.1738			0.4000	5.1		20.0			
1,2-Dibromo-3-Chloropropane	0.0458 0.0678	0.0551 0.0707	0.0567	0.0594	0.0679	Ave		0.0605			0.0500	14.7		20.0			
1,3,5-Trichlorobenzene	0.8545 0.9520	0.8402 0.9413	0.7984	0.8140	0.9682	Ave		0.8812				8.0		20.0			
1,2,4-Trichlorobenzene	0.6036 0.7743	0.6052 0.7786	0.6196	0.6283	0.7633	Ave		0.6818			0.2000	12.5		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.: 410-164764-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.2767 0.2753	0.2593 0.2742	0.2435	0.2339	0.2864	Ave		0.2642				7.3		20.0			
Naphthalene	0.9312 1.2231	0.9691 1.2653	0.9803	1.0174	1.1888	Ave		1.0822				12.8		20.0			
1,2,3-Trichlorobenzene	0.3934 0.5727	0.4393 0.5881	0.4302	0.4316	0.5398	Ave		0.4850				16.3		20.0			
Dibromofluoromethane (Surr)	0.2539 0.2528	0.2523 0.2523	0.2545	0.2553	0.2524	Ave		0.2534				0.5		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0474 0.0482	0.0472 0.0482	0.0479	0.0479	0.0475	Ave		0.0478				0.8		20.0			
Toluene-d8 (Surr)	1.3157 1.3219	1.3282 1.3218	1.3166	1.3165	1.3311	Ave		1.3217				0.5		20.0			
4-Bromofluorobenzene (Surr)	0.4914 0.4931	0.4953 0.4993	0.4926	0.4981	0.4946	Ave		0.4949				0.6		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-164764-1 | Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 | Calibration End Date: 10/17/2023 09:43 | Calibration ID: 54851

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-431955/13	HO16X12.D
Level 2	IC 410-431955/14	HO16X13.D
Level 3	IC 410-431955/15	HO16X14.D
Level 4	IC 410-431955/16	HO16X15.D
Level 5	IC 410-431955/17	HO16X16.D
Level 6	ICIS 410-431955/18	HO16X17.D
Level 7	IC 410-431955/19	HO16X18.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	12281 507209	27445 1289612	47180	90377	269784	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloromethane	FB	Ave	13466 564233	29218 1437851	49073	106532	293765	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Vinyl chloride	FB	Ave	12396 553589	29242 1388317	46957	99395	282735	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Butadiene	FB	Ave	14795 560540	34392 1381584	50830	106290	292220	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromomethane	FB	Ave	8208 401381	21283 1004257	33098	71849	204743	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloroethane	FB	Ave	7114 325286	16732 814435	26760	57006	163220	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dichlorofluoromethane	FB	Ave	18906 884888	47810 2242569	74286	161545	452713	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Trichlorofluoromethane	FB	Ave	14244 673647	35185 1691810	55649	117460	346496	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl ether	FB	Ave	7928 280429	15760 696272	28495	55414	143660	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Freon 123a	FB	Ave	+++++ 481778	25749 1219424	43180	86730	245902	+++++ 10.0	0.500 25.0	1.00	2.00	5.00
Acrolein	TBAd10	Ave	38712 2058814	91320 5421811	183300	375617	1041124	10.0 500	25.0 1250	50.0	100	250
1,1-Dichloroethene	FB	Ave	9577 351395	18171 906570	31918	68446	181453	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetone	TBAd10	Ave	+++++ 481459	25201 1297197	50266	90162	242560	+++++ 100	5.00 250	10.0	20.0	50.0
Freon 113	FB	Ave	6235 360550	16437 929807	31640	64086	184393	0.200 10.0	0.500 25.0	1.00	2.00	5.00

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methyl iodide	FB	Ave	14733 758656	35135 1943225	66017	139912	385400	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl bromide	FB	Ave	6877 333791	16438 841362	31517	61398	172221	0.200 9.99	0.500 25.0	0.999	2.00	5.00
Carbon disulfide	FB	Ave	21484 1064212	50315 2705357	91871	193567	540550	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl acetate	TBAd10	Ave	3033 145164	7223 380982	14125	23363	69702	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Allyl chloride	FB	Ave	13495 627191	30721 1589573	54415	117690	318387	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylene Chloride	FB	Ave	8395 389393	20005 995462	35765	75109	200041	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Butyl alcohol	TBAd10	Ave	7170 270754	14400 719241	28646	50526	130999	4.00 200	10.0 500	20.0	40.0	100
Acrylonitrile	TBAd10	Ave	2582 168087	7751 453076	15848	30701	83924	0.500 25.0	1.25 62.5	2.50	5.00	12.5
Methyl tert-butyl ether	FB	Ave	19060 936741	45429 2413997	88705	179688	481655	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,2-Dichloroethene	FB	Ave	10404 415667	20871 1043791	35833	77588	208242	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Hexane	FB	Ave	9561 468454	22187 1202233	43007	81655	238153	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloroethane	FB	Ave	15342 771595	36905 1950616	67496	141100	394881	0.200 10.0	0.500 25.0	1.00	2.00	5.00
di-Isopropyl ether	FB	Ave	24859 1265608	59122 3220831	113788	237450	653775	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloro-1,3-butadiene	FB	Ave	14153 693459	33494 1743566	61081	127676	354098	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl t-butyl ether	FB	Ave	26519 1210160	59843 3058176	111723	229798	623332	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Butanone (MEK)	TBAd10	Ave	14729 858081	34252 2291803	72803	164512	416096	2.00 100	5.00 250	10.0	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	11553 463373	24065 1185422	40092	83892	237306	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2,2-Dichloropropane	FB	Ave	15119 700054	33930 1767722	63094	128858	363968	0.200 10.0	0.500 25.0	1.00	2.00	5.00

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

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	9211 453768	22121 1242528	43536	73597	221902	4.00 200	10.0 500	20.0	40.0	100
Methacrylonitrile	TBAd10	Ave	18882 896260	39657 2383156	84861	165324	460779	2.00 100	5.00 250	10.0	20.0	50.0
Bromochloromethane	FB	Ave	3656 197344	9090 505069	17318	36142	99299	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrahydrofuran	TBAd10	Ave	2959 119685	6840 324154	11413	23233	62153	1.00 50.0	2.50 125	5.00	10.0	25.0
Chloroform	FB	Ave	16265 777655	37690 1993721	71473	144654	401062	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1-Trichloroethane	FB	Ave	16465 713756	36711 1801496	66112	132836	363673	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Cyclohexane	FB	Ave	15741 627140	34107 1631813	59226	118477	322054	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon tetrachloride	FB	Ave	11777 630044	29764 1603652	55633	114375	322102	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloropropene	FB	Ave	12121 603402	28100 1524924	52973	108568	305524	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isobutyl alcohol	TBAd10	Ave	5270 243164	9104 665662	18857	43149	118894	10.0 500	25.0 1250	50.0	100	250
Benzene	FB	Ave	35763 1739533	81541 4441888	151159	315674	884849	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloroethane	FB	Ave	10615 495374	24468 1256931	45348	91322	252595	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Amyl methyl ether	FB	Ave	20566 1049210	49389 2716526	97049	196556	540680	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Heptane	FB	Ave	9956 457520	22688 1183220	40112	81488	226574	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butanol	TBAd10	Ave	6375 322813	17916 833677	29168	55184	157550	17.5 875	43.8 2188	87.5	175	438
Trichloroethene	FB	Ave	11042 477276	22875 1225963	42574	87827	241889	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylcyclohexane	FB	Ave	14596 655108	31168 1699819	56858	116968	332915	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloropropane	FB	Ave	8178 434187	20116 1118071	37054	80119	219159	0.200 10.0	0.500 25.0	1.00	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methyl methacrylate	TBAd10	Ave	3806 186286	9025 488267	16441	33773	91782	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dioxane	TBAd10	Lin2	+++++ 32606	235 83291	1563	5314	14378	+++++ 500	25.0 1250	50.0	100	250
Dibromomethane	FB	Ave	3617 212223	9357 549830	19149	39667	108172	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromodichloromethane	FB	Ave	12309 565218	25898 1452028	51068	101988	283768	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Nitropropane	TBAd10	Ave	5760 327671	12816 860468	30107	62262	164849	1.00 50.0	2.50 125	5.00	10.0	25.0
1-Bromo-2-chloroethane	FB	Ave	7898 420542	19521 1077642	38584	80483	212267	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,3-Dichloropropene	FB	Ave	13113 675489	29612 1754015	57433	123296	344128	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Methyl-2-pentanone (MIBK)	TBAd10	Ave	44199 2303046	107243 6058586	210696	431750	1161884	2.00 100	5.00 250	10.0	20.0	50.0
Toluene	CBZd5	Ave	23070 1142311	53186 2918122	99695	209943	579879	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,3-Dichloropropene	CBZd5	Ave	10357 557232	24935 1459303	49058	102145	280170	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl methacrylate	CBZd5	Ave	7028 421239	18481 1100528	36821	76587	213843	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2-Trichloroethane	CBZd5	Ave	5946 282069	12757 735870	26773	51528	146211	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrachloroethene	CBZd5	Ave	10786 546346	25588 1393850	48288	99577	279523	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Dichloropropane	CBZd5	Ave	9247 495565	22586 1280937	44898	92167	252396	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Hexanone	TBAd10	Ave	27274 1568973	68798 4113843	143316	293326	796852	2.00 100	5.00 250	10.0	20.0	50.0
Dibromochloromethane	CBZd5	Ave	7121 391692	17364 1025341	34113	71443	197684	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromoethane (EDB)	CBZd5	Ave	4837 281663	13173 735357	24996	52137	143307	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1-Chlorohexane	CBZd5	Ave	14374 622571	32597 1593955	57045	114661	318107	0.200 10.0	0.500 25.0	1.00	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-164764-1 | Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 | Calibration End Date: 10/17/2023 09:43 | Calibration ID: 54851

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZd5	Ave	23971 1251390	59000 3225340	109152	228565	637795	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1,2-Tetrachloroethane	CBZd5	Ave	8699 459904	20693 1194283	39973	83742	234270	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethylbenzene	CBZd5	Ave	43776 2242763	104124 5743058	193231	406835	1143402	0.200 10.0	0.500 25.0	1.00	2.00	5.00
m&p-Xylene	CBZd5	Ave	32792 1757894	78826 4514240	149357	315441	896495	0.400 20.0	1.00 50.0	2.00	4.00	10.0
o-Xylene	CBZd5	Ave	15887 858645	38877 2211532	74669	155466	434748	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Styrene	CBZd5	Ave	26383 1399608	61427 3621922	116663	250467	709117	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromoform	CBZd5	Ave	4653 243995	11238 640885	21153	44849	121808	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isopropylbenzene	CBZd5	Ave	40623 2111260	95314 5382098	178597	375955	1070240	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2,2-Tetrachloroethane	DCBd4	Ave	7288 348020	17830 909156	30867	64343	174174	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromobenzene	DCBd4	Ave	10147 536338	24978 1391566	45967	98259	273415	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,4-Dichloro-2-butene	TBAd10	Ave	17335 974662	41410 2575267	84012	179781	486532	2.00 100	5.00 250	10.0	20.0	50.0
1,2,3-Trichloropropane	DCBd4	Ave	1976 93674	4295 244226	8444	17806	47572	0.200 10.0	0.500 25.0	1.00	2.00	5.00
N-Propylbenzene	DCBd4	Ave	46699 2617024	115224 6609275	219857	463022	1325546	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chlorotoluene	DCBd4	Ave	10015 540390	24346 1387686	45777	96650	273969	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trimethylbenzene	DCBd4	Ave	34763 1866045	84362 4799921	159499	333908	942099	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Chlorotoluene	DCBd4	Ave	10065 557795	24775 1426214	46229	99221	282160	0.200 10.0	0.500 25.0	1.00	2.00	5.00
tert-Butylbenzene	DCBd4	Ave	8461 416802	19375 1062110	37670	74192	209234	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Pentachloroethane	DCBd4	Ave	5905 356890	15094 917050	30365	64027	179069	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trimethylbenzene	DCBd4	Ave	35712 1895362	84884 4889578	156430	336157	959866	0.200 10.0	0.500 25.0	1.00	2.00	5.00
sec-Butylbenzene	DCBd4	Ave	43833	101163	189434	399783	1147529	0.200	0.500	1.00	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

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
			2295397	5896551				10.0	25.0			
1,3-Dichlorobenzene	DCBd4	Ave	19178 1050300	46000 2726352	87918	187826	531270	0.200 10.0	0.500 25.0	1.00	2.00	5.00
p-Isopropyltoluene	DCBd4	Ave	37631 2039325	89272 5239951	166418	352439	1018163	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dichlorobenzene	DCBd4	Ave	19935 1044640	47649 2693379	89409	187339	527414	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trimethylbenzene	DCBd4	Ave	16519 830627	38052 2153109	70965	148580	420731	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Benzyl chloride	DCBd4	Ave	2693 155081	6418 407152	13031	28669	77368	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butylbenzene	DCBd4	Ave	16573 938789	40332 2439188	74564	158862	466594	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichlorobenzene	DCBd4	Ave	17193 938103	42105 2422463	80283	165991	476507	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	660 52436	2012 143556	4130	8968	25588	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trichlorobenzene	DCBd4	Ave	12315 736563	30689 1911490	58149	122993	364821	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trichlorobenzene	DCBd4	Ave	8699 599055	22105 1581016	45128	94941	287606	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Hexachlorobutadiene	DCBd4	Ave	3988 213022	9472 556855	17738	35341	107924	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Naphthalene	DCBd4	Ave	13420 946293	35396 2569391	71397	153733	447944	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trichlorobenzene	DCBd4	Ave	5670 443087	16044 1194182	31335	65209	203417	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dibromofluoromethane (Surr)	FB	Ave	438774 452725	437059 473178	437636	445914	446285	10.0 10.0	10.0 10.0	10.0	10.0	10.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	81967 86260	81768 90407	82376	83713	84004	10.0 10.0	10.0 10.0	10.0	10.0	10.0
Toluene-d8 (Surr)	CBZd5	Ave	1714579 1796445	1731261 1885324	1724391	1748617	1774999	10.0 10.0	10.0 10.0	10.0	10.0	10.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	640333 670074	645602 712164	645223	661555	659508	10.0 10.0	10.0 10.0	10.0	10.0	10.0

Curve Type Legend:
Ave = Average ISTD
Lin2 = Linear 1/conc^2 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.: 410-164764-1 | Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 | GC Column: R-624SilMS 3 ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 | Calibration End Date: 10/17/2023 09:43 | Calibration ID: 54851

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-431955/13	HO16X12.D
Level 2	IC 410-431955/14	HO16X13.D
Level 3	IC 410-431955/15	HO16X14.D
Level 4	IC 410-431955/16	HO16X15.D
Level 5	IC 410-431955/17	HO16X16.D
Level 6	ICIS 410-431955/18	HO16X17.D
Level 7	IC 410-431955/19	HO16X18.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	20.2 -6.9	7.2	-7.2	-12.5	3.3	-4.2	50 30	30	30	30	30	30
Chloromethane	20.1 -5.5	4.0	-12.1	-6.0	2.4	-2.9	50 30	30	30	30	30	30
Vinyl chloride	15.2 -4.9	8.5	-12.3	-8.6	2.8	-0.7	50 30	30	30	30	30	30
1,3-Butadiene	26.8 -12.7	17.6	-12.5	-9.9	-2.1	-7.3	50 30	30	30	30	30	30
Bromomethane	7.2 -3.3	10.9	-13.2	-7.2	4.5	1.1	50 30	30	30	30	30	30
Chloroethane	14.6 -3.3	7.5	-13.4	-9.2	2.8	1.1	50 30	30	30	30	30	30
Dichlorofluoromethane	10.1 -3.7	11.1	-13.1	-6.9	3.1	-0.5	50 30	30	30	30	30	30
Trichlorofluoromethane	10.7 -3.1	9.1	-13.1	-9.7	5.2	1.0	50 30	30	30	30	30	30
Ethyl ether	33.5 -13.6	5.9	-3.6	-7.7	-5.5	-8.9	50 30	30	30	30	30	30
Freon 123a	+++++ -2.7	11.2	-6.1	-7.1	4.1	0.6	30	50	30	30	30	30
Acrolein	4.7 -5.5	-0.7	-5.7	-0.6	7.8	0.1	50 30	30	30	30	30	30
1,1-Dichloroethene	32.6 -7.5	0.4	-11.2	-6.3	-1.8	-6.1	50 30	30	30	30	30	30
Acetone	+++++ -8.5	11.0	4.6	-3.4	1.6	-5.3	30	50	30	30	30	30
Freon 113	-6.2 3.2	-1.3	-4.3	-4.6	8.5	4.7	50 30	30	30	30	30	30
Methyl iodide	3.2 0.4	-1.8	-7.0	-3.0	5.6	2.6	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.: 410-164764-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Ethyl bromide	6.5 -4.0	1.5	-2.0	-6.0	4.2	-0.3	50 30	30	30	30	30	30
Carbon disulfide	6.8 -0.8	-0.2	-8.2	-4.8	5.1	2.1	50 30	30	30	30	30	30
Methyl acetate	13.9 -7.8	9.1	0.9	-14.2	0.2	-2.0	50 30	30	30	30	30	30
Allyl chloride	11.7 -3.0	1.4	-9.5	-3.7	3.0	0.2	50 30	30	30	30	30	30
Methylene Chloride	9.5 -4.3	4.1	-6.3	-3.1	2.0	-2.0	50 30	30	30	30	30	30
t-Butyl alcohol	32.5 -14.3	7.1	0.7	-8.6	-7.3	-10.0	50 30	30	30	30	30	30
Acrylonitrile	-13.4 -2.1	4.6	1.1	0.8	7.7	1.4	50 30	30	30	30	30	30
Methyl tert-butyl ether	4.7 -2.3	-0.5	-2.1	-2.4	3.4	-0.7	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	26.7 -6.3	1.4	-12.3	-6.5	-0.8	-2.3	50 30	30	30	30	30	30
n-Hexane	7.3 -0.5	-0.6	-3.0	-9.3	4.5	1.5	50 30	30	30	30	30	30
1,1-Dichloroethane	5.0 -1.6	0.8	-7.2	-4.5	5.6	1.9	50 30	30	30	30	30	30
di-Isopropyl ether	3.3 -1.4	-2.0	-5.0	-2.4	6.2	1.4	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	7.1 -2.7	1.1	-7.1	-4.4	4.8	1.3	50 30	30	30	30	30	30
Ethyl t-butyl ether	11.9 -4.8	0.8	-5.2	-4.1	2.9	-1.4	50 30	30	30	30	30	30
2-Butanone (MEK)	-1.4 -1.2	-7.8	-7.3	7.8	6.6	3.3	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	25.4 -5.1	4.3	-12.5	-9.9	0.7	-2.9	50 30	30	30	30	30	30
2,2-Dichloropropane	11.6 -3.8	-0.1	-6.4	-5.9	5.0	-0.3	50 30	30	30	30	30	30
Propionitrile	10.7 -3.8	6.9	-0.5	-13.4	2.1	-1.9	50 30	30	30	30	30	30
Methacrylonitrile	13.7 -7.5	-3.9	-2.8	-2.6	6.2	-3.0	50 30	30	30	30	30	30
Bromochloromethane	-0.6 1.2	-1.4	-5.4	-2.8	5.5	3.5	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.: 410-164764-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Tetrahydrofuran	23.5 -12.8	14.8	-9.4	-5.1	-0.7	-10.2	50 30	30	30	30	30	30
Chloroform	8.1 -2.4	-0.1	-4.6	-4.9	4.2	-0.3	50 30	30	30	30	30	30
1,1,1-Trichloroethane	16.6 -5.9	3.8	-5.9	-6.9	0.7	-2.4	50 30	30	30	30	30	30
Cyclohexane	22.8 -6.1	6.2	-7.1	-8.5	-1.7	-5.5	50 30	30	30	30	30	30
Carbon tetrachloride	-0.3 0.0	0.5	-5.4	-4.3	6.6	2.9	50 30	30	30	30	30	30
1,1-Dichloropropene	6.7 -1.1	-1.3	-6.3	-5.5	5.1	2.5	50 30	30	30	30	30	30
Isobutyl alcohol	23.1 0.2	-14.4	-16.2	-1.3	6.4	2.2	50 30	30	30	30	30	30
Benzene	8.5 -0.7	-1.3	-7.9	-5.3	4.9	1.8	50 30	30	30	30	30	30
1,2-Dichloroethane	10.5 -3.5	1.7	-5.1	-5.9	2.8	-0.5	50 30	30	30	30	30	30
t-Amyl methyl ether	2.4 -0.3	-1.9	-2.9	-3.2	5.2	0.8	50 30	30	30	30	30	30
n-Heptane	13.2 -0.8	3.0	-8.3	-8.3	0.8	0.4	50 30	30	30	30	30	30
n-Butanol	6.9 -9.9	20.9	-7.0	-9.4	1.2	-2.6	50 30	30	30	30	30	30
Trichloroethene	18.7 -2.8	-1.9	-8.0	-6.6	1.7	-1.0	50 30	30	30	30	30	30
Methylcyclohexane	15.8 -0.6	-1.3	-9.3	-8.2	3.3	0.3	50 30	30	30	30	30	30
1,2-Dichloropropane	0.8 1.6	-1.0	-8.2	-2.3	5.7	3.3	50 30	30	30	30	30	30
Methyl methacrylate	11.6 -7.8	6.4	-8.3	-3.1	3.0	-1.8	50 30	30	30	30	30	30
1,4-Dioxane	+++++ -7.7	1.2	-7.2	9.1	1.4	3.2	30	50	30	30	30	30
Dibromomethane	-7.9 3.2	-5.0	-2.1	-0.1	7.6	4.3	50 30	30	30	30	30	30
Bromodichloromethane	13.8 -1.0	-4.4	-5.1	-6.7	2.6	0.9	50 30	30	30	30	30	30
2-Nitropropane	-0.4 -4.1	-10.8	-1.0	5.4	9.1	1.9	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1-Bromo-2-chloroethane	-0.9 -0.3	-2.2	-2.7	-0.1	4.2	1.9	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	4.2 2.8	-6.1	-8.3	-3.1	6.9	3.6	50 30	30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	5.0 -7.2	2.5	-4.8	0.4	5.7	-1.6	50 30	30	30	30	30	30
Toluene	7.2 -0.9	-1.2	-7.8	-4.3	5.3	1.8	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	0.1 3.1	-3.6	-5.6	-3.1	5.9	3.3	50 30	30	30	30	30	30
Ethyl methacrylate	-8.5 4.8	-3.7	-4.6	-2.1	8.9	5.2	50 30	30	30	30	30	30
1,1,2-Trichloroethane	9.7 -0.8	-5.9	-1.7	-6.7	5.5	-0.2	50 30	30	30	30	30	30
Tetrachloroethene	4.9 -0.9	-0.5	-6.6	-5.0	6.2	1.9	50 30	30	30	30	30	30
1,3-Dichloropropane	-0.4 0.8	-2.7	-3.8	-2.6	6.3	2.4	50 30	30	30	30	30	30
2-Hexanone	-2.7 -5.4	-1.2	-2.7	2.5	8.9	0.7	50 30	30	30	30	30	30
Dibromochloromethane	-1.5 3.7	-3.9	-6.1	-3.0	6.9	3.9	50 30	30	30	30	30	30
1,2-Dibromoethane (EDB)	-7.4 2.9	0.8	-4.8	-2.1	7.2	3.4	50 30	30	30	30	30	30
1-Chlorohexane	16.9 -5.2	6.1	-7.6	-8.5	1.2	-2.9	50 30	30	30	30	30	30
Chlorobenzene	2.2 0.5	0.6	-7.4	-4.4	6.3	2.3	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	1.7 2.1	-3.2	-7.0	-3.9	7.1	3.2	50 30	30	30	30	30	30
Ethylbenzene	4.4 0.1	-0.7	-8.3	-4.8	6.6	2.6	50 30	30	30	30	30	30
m&p-Xylene	1.2 1.9	-2.7	-8.2	-4.5	8.2	4.1	50 30	30	30	30	30	30
o-Xylene	0.0 1.8	-2.1	-6.4	-4.0	7.0	3.7	50 30	30	30	30	30	30
Styrene	2.7 3.1	-4.3	-9.6	-4.3	7.9	4.5	50 30	30	30	30	30	30
Bromoform	2.2 2.8	-1.3	-7.6	-3.4	4.5	2.7	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Isopropylbenzene	4.2 0.9	-2.2	-8.8	-5.4	7.3	3.9	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	10.5 -2.2	6.7	-7.4	-6.9	1.0	-1.7	50 30	30	30	30	30	30
Bromobenzene	3.2 0.5	0.3	-7.5	-4.6	6.4	1.7	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	0.8 -3.5	-3.1	-7.0	2.4	8.4	2.0	50 30	30	30	30	30	30
1,2,3-Trichloropropane	12.1 -1.7	-3.8	-5.2	-3.6	3.2	-1.0	50 30	30	30	30	30	30
N-Propylbenzene	0.2 0.7	-2.4	-6.6	-5.2	8.8	4.6	50 30	30	30	30	30	30
2-Chlorotoluene	2.7 0.9	-1.5	-7.2	-5.5	7.4	3.2	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	3.0 0.9	-1.4	-6.5	-5.7	6.7	3.0	50 30	30	30	30	30	30
4-Chlorotoluene	1.0 1.6	-1.9	-8.2	-5.0	8.3	4.3	50 30	30	30	30	30	30
tert-Butylbenzene	9.8 -2.2	-0.8	-3.3	-8.2	3.9	0.8	50 30	30	30	30	30	30
Pentachloroethane	-6.0 3.6	-5.2	-4.4	-2.8	9.0	5.8	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	4.6 1.7	-1.9	-9.3	-6.1	7.6	3.4	50 30	30	30	30	30	30
sec-Butylbenzene	6.6 1.8	-2.9	-8.8	-7.3	6.7	4.0	50 30	30	30	30	30	30
1,3-Dichlorobenzene	1.8 2.7	-3.7	-7.7	-4.9	7.9	3.9	50 30	30	30	30	30	30
p-Isopropyltoluene	3.9 2.7	-2.7	-9.1	-7.2	7.5	4.9	50 30	30	30	30	30	30
1,4-Dichlorobenzene	4.9 0.6	-1.1	-6.9	-6.0	6.1	2.4	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	8.5 0.3	-1.4	-7.8	-6.9	5.7	1.6	50 30	30	30	30	30	30
Benzyl chloride	-2.2 4.9	-8.0	-6.4	-0.7	7.5	4.9	50 30	30	30	30	30	30
n-Butylbenzene	0.8 5.3	-3.2	-10.2	-7.8	8.6	6.4	50 30	30	30	30	30	30
1,2-Dichlorobenzene	1.6 1.6	-1.8	-6.1	-6.4	7.7	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.: 410-164764-1 Analy Batch No.: 431955

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2023 07:43 Calibration End Date: 10/17/2023 09:43 Calibration ID: 54851

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,2-Dibromo-3-Chloropropane	-24.3 16.9	-8.9	-6.2	-1.9	12.3	12.1	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-3.0 6.8	-4.7	-9.4	-7.6	9.9	8.0	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-11.5 14.2	-11.2	-9.1	-7.8	11.9	13.6	50 30	30	30	30	30	30
Hexachlorobutadiene	4.7 3.8	-1.8	-7.8	-11.5	8.4	4.2	50 30	30	30	30	30	30
Naphthalene	-14.0 16.9	-10.4	-9.4	-6.0	9.9	13.0	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-18.9 21.2	-9.4	-11.3	-11.0	11.3	18.1	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	0.2 -0.4	-0.4	0.4	0.8	-0.4	-0.2	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	-0.7 0.9	-1.2	0.3	0.3	-0.5	0.8	50 30	30	30	30	30	30
Toluene-d8 (Surr)	-0.5 0.0	0.5	-0.4	-0.4	0.7	0.0	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-0.7 0.9	0.1	-0.5	0.6	-0.1	-0.4	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X12.D
Lims ID: IC std1 0.2
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 17-Oct-2023 07:43:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-013
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:24:51 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 17-Oct-2023 13:19:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.867	1.873	-0.006	98	12281	0.2000	0.2405	M
5 Chloromethane	50	2.062	2.056	0.006	97	13466	0.2000	0.2402	
6 Vinyl chloride	62	2.166	2.172	-0.006	86	12396	0.2000	0.2305	
7 Butadiene	39	2.178	2.178	0.000	92	14795	0.2000	0.2536	
9 Bromomethane	94	2.483	2.483	0.000	90	8208	0.2000	0.2143	
10 Chloroethane	64	2.562	2.562	0.000	98	7114	0.2000	0.2291	
11 Dichlorofluoromethane	67	2.788	2.788	0.000	97	18906	0.2000	0.2202	
12 Trichlorofluoromethane	101	2.849	2.855	-0.006	94	14244	0.2000	0.2213	
14 Ethyl ether	59	3.087	3.080	0.007	59	7928	0.2000	0.2669	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.154	3.160	-0.006	66	14802	0.2000	0.3204	
16 Acrolein	56	3.251	3.239	0.012	99	38712	10.0	10.5	
17 1,1-Dichloroethene	96	3.379	3.373	0.006	96	9577	0.2000	0.2651	
19 Acetone	43	3.404	3.391	0.013	55	17626	2.00	3.86	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.428	3.416	0.012	63	6235	0.2000	0.1877	
21 Iodomethane	142	3.562	3.556	0.006	99	14733	0.2000	0.2065	
22 Ethyl bromide	108	3.593	3.580	0.013	92	6877	0.1998	0.2127	
23 Carbon disulfide	76	3.672	3.666	0.006	99	21484	0.2000	0.2136	
24 Methyl acetate	43	3.818	3.800	0.018	26	3033	0.2000	0.2277	M
26 3-Chloro-1-propene	41	3.830	3.818	0.012	86	13495	0.2000	0.2233	
27 Methylene Chloride	84	3.995	3.995	0.000	59	8395	0.2000	0.2190	
* 28 t-Butyl alcohol-d10 (IS)	65	4.001	4.007	-0.006	52	75501	50.0	50.0	
29 2-Methyl-2-propanol	59	4.123	4.111	0.012	91	7170	4.00	5.30	
31 Acrylonitrile	53	4.349	4.312	0.037	2	2582	0.5000	0.4329	
32 Methyl tert-butyl ether	73	4.391	4.391	0.000	68	19060	0.2000	0.2093	
33 trans-1,2-Dichloroethene	96	4.403	4.397	0.006	93	10404	0.2000	0.2535	M
34 Hexane	57	4.818	4.824	-0.006	87	9561	0.2000	0.2147	
36 1,1-Dichloroethane	63	5.062	5.056	0.006	94	15342	0.2000	0.2100	
37 Isopropyl ether	45	5.123	5.123	0.000	95	24859	0.2000	0.2065	
38 2-Chloro-1,3-butadiene	53	5.178	5.172	0.006	94	14153	0.2000	0.2142	
40 Tert-butyl ethyl ether	59	5.653	5.665	-0.012	96	26519	0.2000	0.2239	
41 2-Butanone (MEK)	43	5.891	5.873	0.018	89	14729	2.00	1.97	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	5.891	5.897	-0.006	82	11553	0.2000	0.2509	M
43 2,2-Dichloropropane	77	5.909	5.909	0.000	71	15119	0.2000	0.2232	
44 Propionitrile	54	5.976	5.952	0.024	92	9211	4.00	4.43	M
S 46 1,2-Dichloroethene, Total	100				0			0.5044	
47 Methacrylonitrile	67	6.190	6.171	0.019	91	18882	2.00	2.27	
48 Chlorobromomethane	128	6.238	6.232	0.006	61	3656	0.2000	0.1988	
49 Tetrahydrofuran	71	6.275	6.257	0.018	41	2959	1.00	1.23	
50 Chloroform	83	6.385	6.385	0.000	94	16265	0.2000	0.2161	
$ 52 Dibromofluoromethane (Surr)	113	6.610	6.604	0.006	94	438774	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.610	6.616	-0.006	67	16465	0.2000	0.2333	
54 Cyclohexane	56	6.720	6.720	0.000	90	15741	0.2000	0.2457	M
56 Carbon tetrachloride	117	6.830	6.830	0.000	92	11777	0.2000	0.1993	
55 1,1-Dichloropropene	75	6.836	6.836	0.000	90	12121	0.2000	0.2133	
57 Isobutyl alcohol	41	7.000	6.988	0.012	58	5270	10.0	12.3	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.068	7.061	0.007	77	81967	10.0	9.93	
59 Benzene	78	7.110	7.098	0.012	90	35763	0.2000	0.2169	
60 1,2-Dichloroethane	62	7.183	7.171	0.012	95	10615	0.2000	0.2211	
63 Tert-amyl methyl ether	73	7.305	7.299	0.006	97	20566	0.2000	0.2047	
* 64 Fluorobenzene (IS)	96	7.506	7.506	0.000	98	1727945	10.0	10.0	
65 n-Heptane	43	7.519	7.525	-0.006	39	9956	0.2000	0.2265	a
67 n-Butanol	56	7.921	7.891	0.031	58	6375	17.5	18.7	
68 Trichloroethene	95	8.000	8.000	0.000	94	11042	0.2000	0.2374	
69 Methylcyclohexane	83	8.311	8.305	0.006	89	14596	0.2000	0.2316	M
70 1,2-Dichloropropane	63	8.329	8.329	0.000	72	8178	0.2000	0.2017	
71 2-ethoxy-2-methyl butane	87	8.348	8.342	0.006	90	13546	0.2000	0.2091	
72 Methyl methacrylate	69	8.421	8.421	0.000	73	3806	0.2000	0.2231	
73 1,4-Dioxane	88		8.433				ND	ND	
74 Dibromomethane	93	8.439	8.439	0.000	94	3617	0.2000	0.1841	
76 Dichlorobromomethane	83	8.677	8.677	0.000	95	12309	0.2000	0.2276	
77 2-Nitropropane	41	8.951	8.939	0.012	96	5760	1.00	1.00	
79 1-Bromo-2-chloroethane	63	9.085	9.073	0.012	95	7898	0.2000	0.1983	M
80 cis-1,3-Dichloropropene	75	9.244	9.238	0.006	93	13113	0.2000	0.2084	
82 4-Methyl-2-pentanone (MIBK)	43	9.421	9.421	0.000	97	44199	2.00	2.10	
$ 83 Toluene-d8 (Surr)	98	9.555	9.561	-0.006	94	1714579	10.0	9.95	
84 Toluene	92	9.640	9.640	0.000	98	23070	0.2000	0.2143	
85 trans-1,3-Dichloropropene	75	9.908	9.902	0.006	95	10357	0.2000	0.2002	
104 Ethyl methacrylate	69	9.976	9.975	0.001	87	7028	0.2000	0.1831	
S 105 1,3-Dichloropropene, Total	100				0			0.4086	
106 1,1,2-Trichloroethane	97	10.116	10.116	0.000	89	5946	0.2000	0.2194	
107 Tetrachloroethene	166	10.207	10.201	0.006	97	10786	0.2000	0.2098	
108 1,3-Dichloropropane	76	10.280	10.280	0.000	91	9247	0.2000	0.1992	
109 2-Hexanone	43	10.341	10.335	0.006	98	27274	2.00	1.95	
111 Chlorodibromomethane	129	10.494	10.500	-0.006	91	7121	0.2000	0.1970	
112 Ethylene Dibromide	107	10.622	10.609	0.013	90	4837	0.2000	0.1852	
* 113 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	87	1303181	10.0	10.0	
114 1-Chlorohexane	91	11.055	11.061	-0.006	93	14374	0.2000	0.2339	
115 Chlorobenzene	112	11.073	11.073	0.000	94	23971	0.2000	0.2044	
116 1,1,1,2-Tetrachloroethane	131	11.158	11.158	0.000	92	8699	0.2000	0.2035	
117 Ethylbenzene	91	11.164	11.164	0.000	99	43776	0.2000	0.2088	
S 118 Xylenes, Total	106				0			0.6050	
119 m-Xylene & p-Xylene	106	11.280	11.280	0.000	100	32792	0.4000	0.4049	
120 o-Xylene	106	11.615	11.609	0.006	97	15887	0.2000	0.2001	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 Styrene	104	11.634	11.628	0.006	95	26383	0.2000	0.2055	
122 Bromoform	173	11.786	11.786	0.000	94	4653	0.2000	0.2043	
123 Isopropylbenzene	105	11.914	11.914	0.000	96	40623	0.2000	0.2084	
$ 126 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	91	640333	10.0	9.93	
127 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	91	7288	0.2000	0.2210	
128 Bromobenzene	156	12.176	12.176	0.000	94	10147	0.2000	0.2065	
129 trans-1,4-Dichloro-2-butene	53	12.188	12.188	0.000	95	17335	2.00	2.02	
130 1,2,3-Trichloropropane	110	12.213	12.207	0.006	74	1976	0.2000	0.2242	
131 N-Propylbenzene	91	12.249	12.249	0.000	99	46699	0.2000	0.2004	
132 2-Chlorotoluene	126	12.323	12.323	0.000	96	10015	0.2000	0.2053	
133 1,3,5-Trimethylbenzene	105	12.384	12.384	0.000	94	34763	0.2000	0.2059	
134 4-Chlorotoluene	126	12.420	12.414	0.006	97	10065	0.2000	0.2020	
135 tert-Butylbenzene	134	12.627	12.627	0.000	93	8461	0.2000	0.2196	
136 Pentachloroethane	167	12.658	12.658	0.000	81	5905	0.2000	0.1880	
137 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	35712	0.2000	0.2092	
138 sec-Butylbenzene	105	12.792	12.792	0.000	95	43833	0.2000	0.2132	
139 1,3-Dichlorobenzene	146	12.890	12.890	0.000	98	19178	0.2000	0.2036	
140 4-Isopropyltoluene	119	12.902	12.902	0.000	98	37631	0.2000	0.2078	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	96	720593	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.963	12.963	0.000	95	19935	0.2000	0.2098	
143 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	97	16519	0.2000	0.2170	
144 Benzyl chloride	126	13.042	13.042	0.000	99	2693	0.2000	0.1956	
145 p-Diethylbenzene	119	13.176	13.170	0.006	96	20994	0.2000	0.1997	
146 n-Butylbenzene	92	13.194	13.194	0.000	98	16573	0.2000	0.2017	
147 1,2-Dichlorobenzene	146	13.225	13.225	0.000	97	17193	0.2000	0.2033	
149 1,2-Dibromo-3-Chloropropane	155	13.761	13.767	-0.006	82	660	0.2000	0.1515	
150 1,3,5-Trichlorobenzene	180	13.895	13.895	0.000	96	12315	0.2000	0.1939	
151 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	8699	0.2000	0.1771	
152 Hexachlorobutadiene	225	14.401	14.401	0.000	93	3988	0.2000	0.2095	
153 Naphthalene	128	14.499	14.493	0.006	97	13420	0.2000	0.1721	
154 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	93	5670	0.2000	0.1622	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00099	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00174	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00108	Amount Added:	2.00	Units: uL	
MSV_LLcentISS_00009	Amount Added:	5.00	Units: uL	Run Reagent

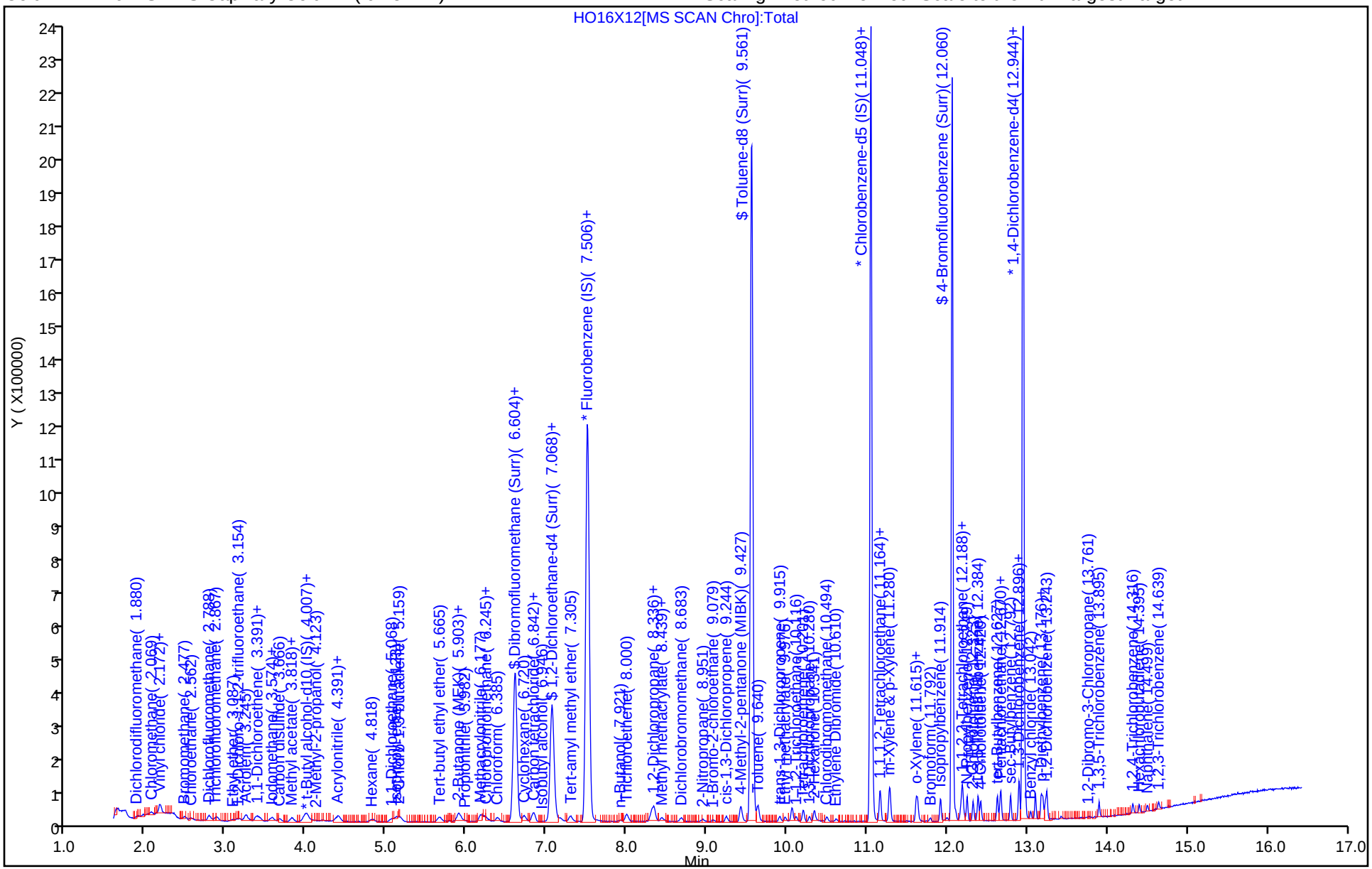
Report Date: 20-Oct-2023 13:24:52 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X12.D

Injection Date:	17-Oct-2023 07:43:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	IC std1 0.2			Worklist Smp#:	13
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

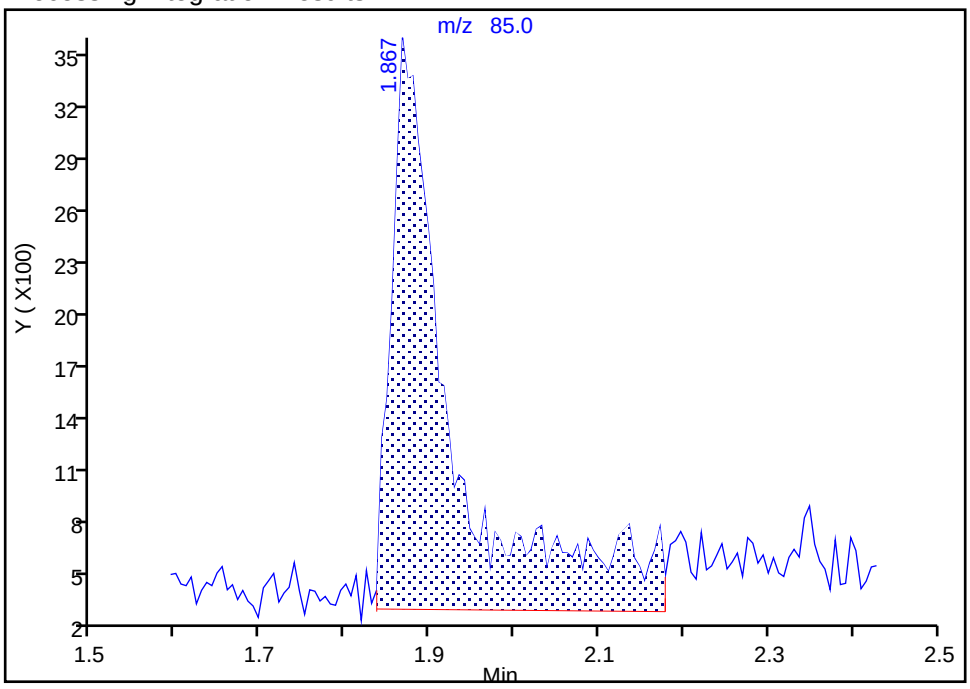
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X12.D				
Injection Date:	17-Oct-2023 07:43:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

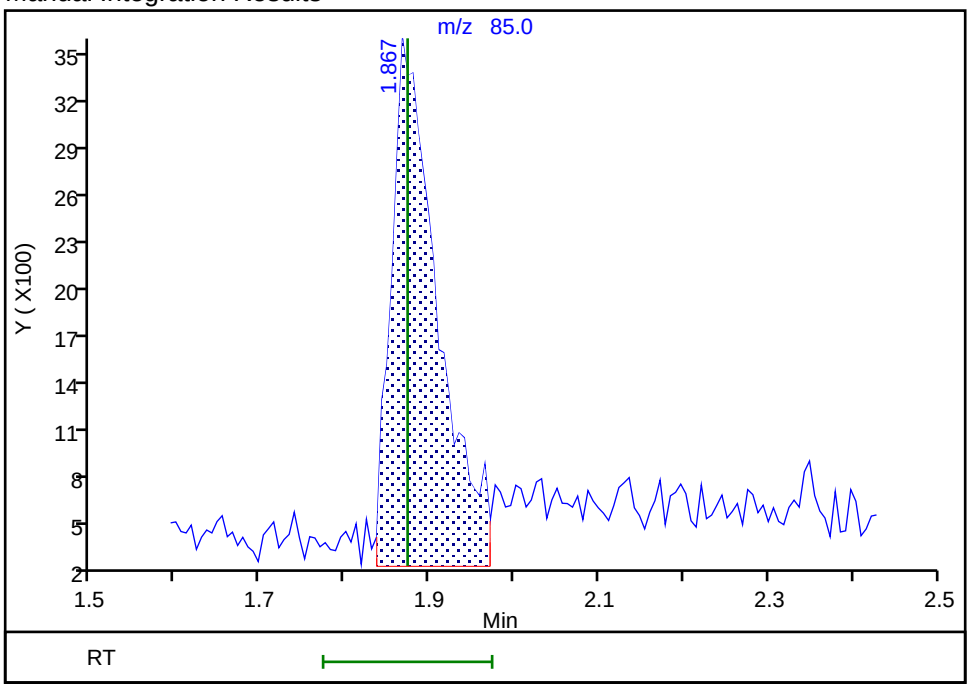
Processing Integration Results

RT: 1.87
Area: 15814
Amount: 0.141287
Amount Units: ug/l



Manual Integration Results

RT: 1.87
Area: 12281
Amount: 0.240485
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 13:19:22 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

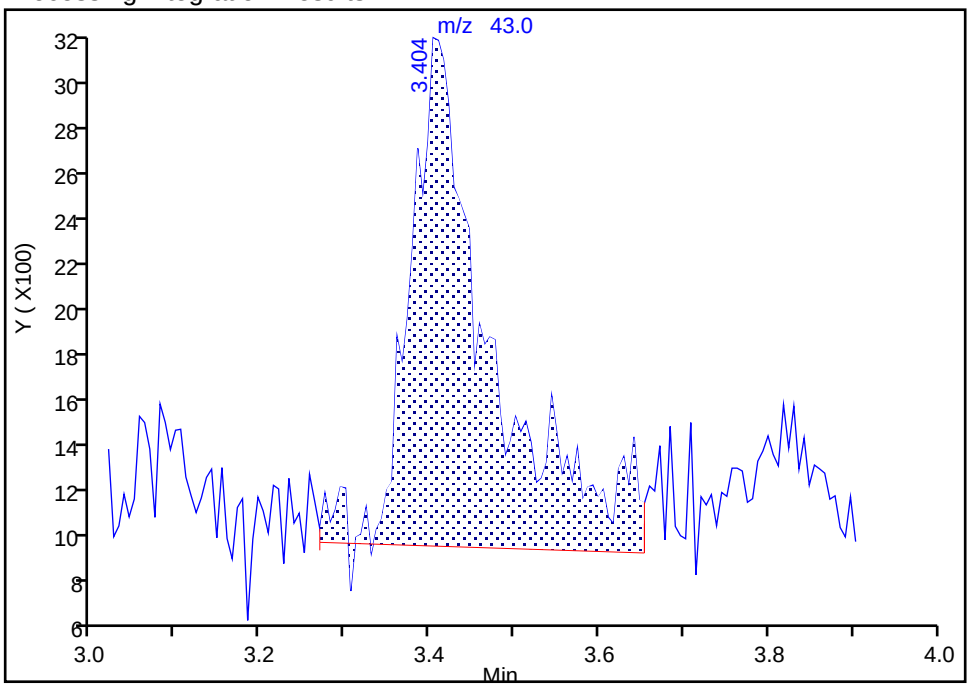
Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X12.D
Injection Date: 17-Oct-2023 07:43:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: GAW91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

19 Acetone, CAS: 67-64-1

Signal: 1

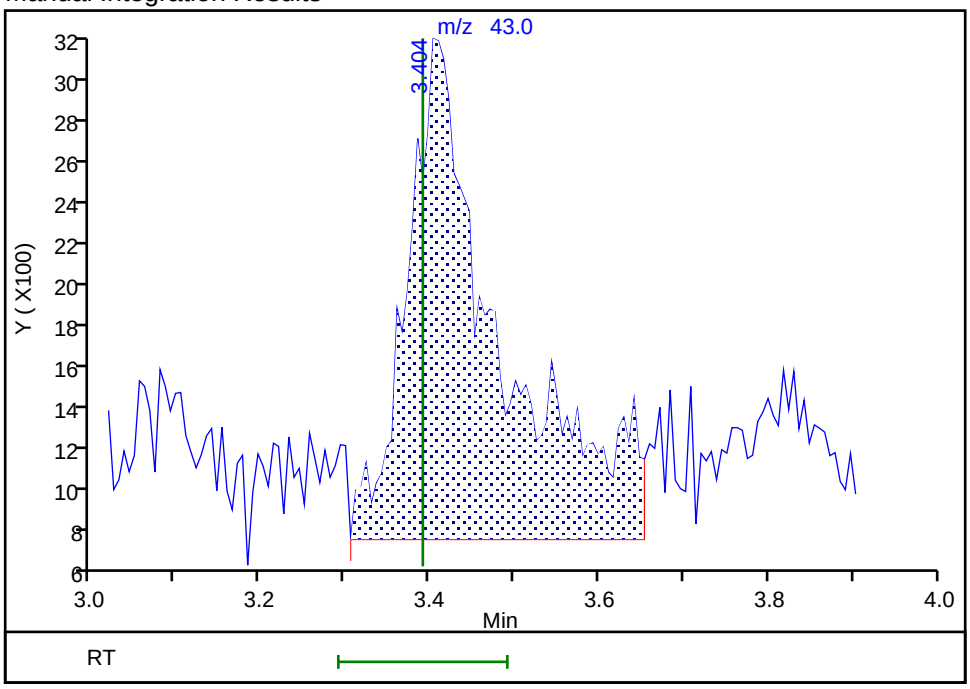
Processing Integration Results

RT: 3.40
Area: 14086
Amount: 2.847889
Amount Units: ug/l



Manual Integration Results

RT: 3.40
Area: 17626
Amount: 3.857461
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:27:06 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

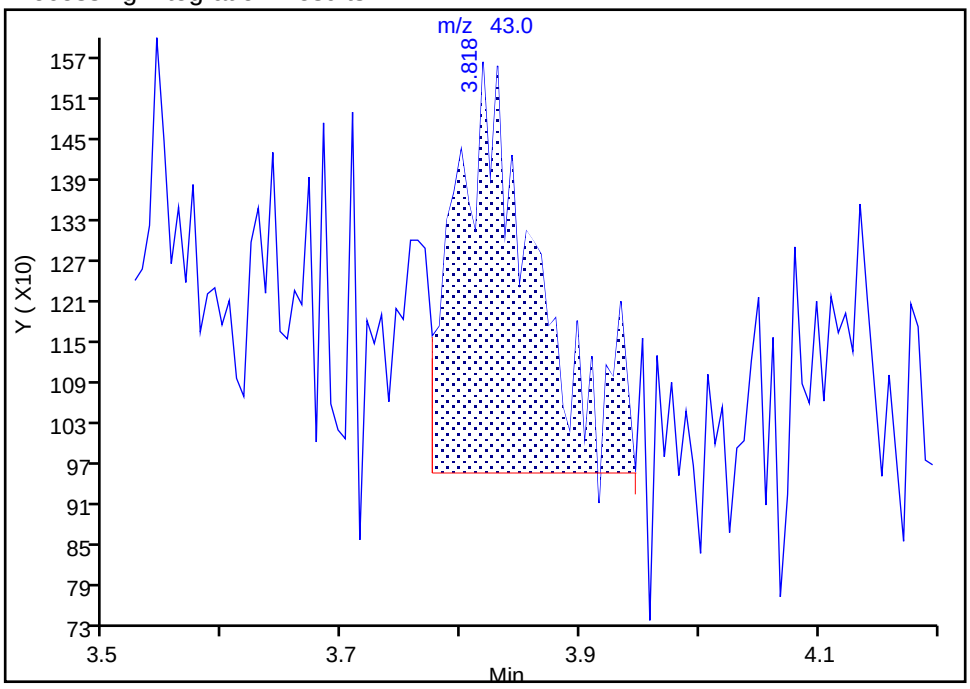
Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X12.D
Injection Date: 17-Oct-2023 07:43:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: GAW91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

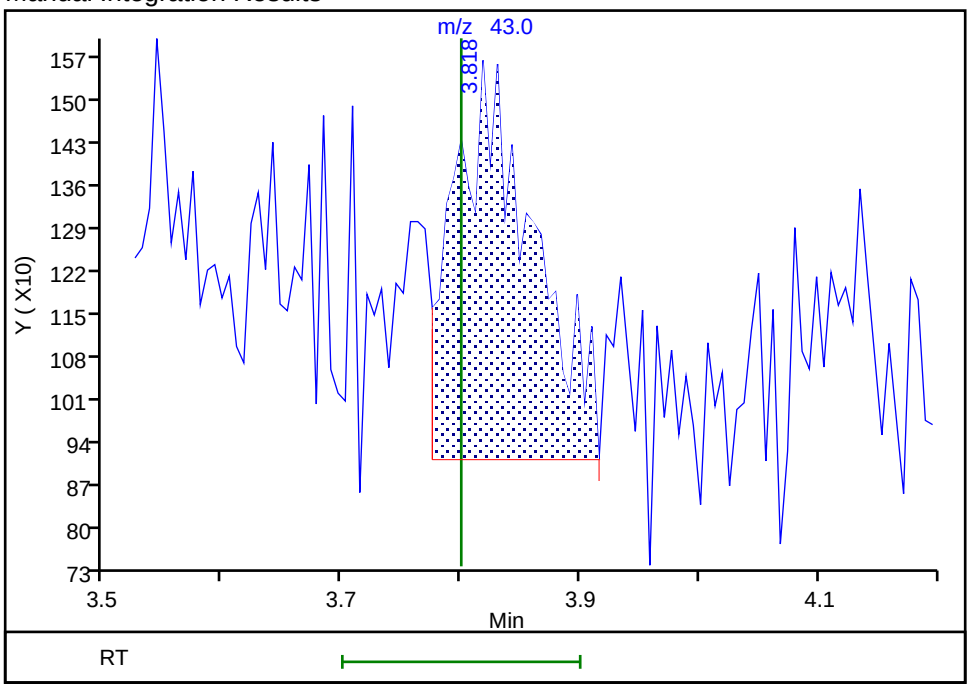
Processing Integration Results

RT: 3.82
Area: 2886
Amount: 0.220541
Amount Units: ug/l



Manual Integration Results

RT: 3.82
Area: 3033
Amount: 0.227709
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:27:24 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

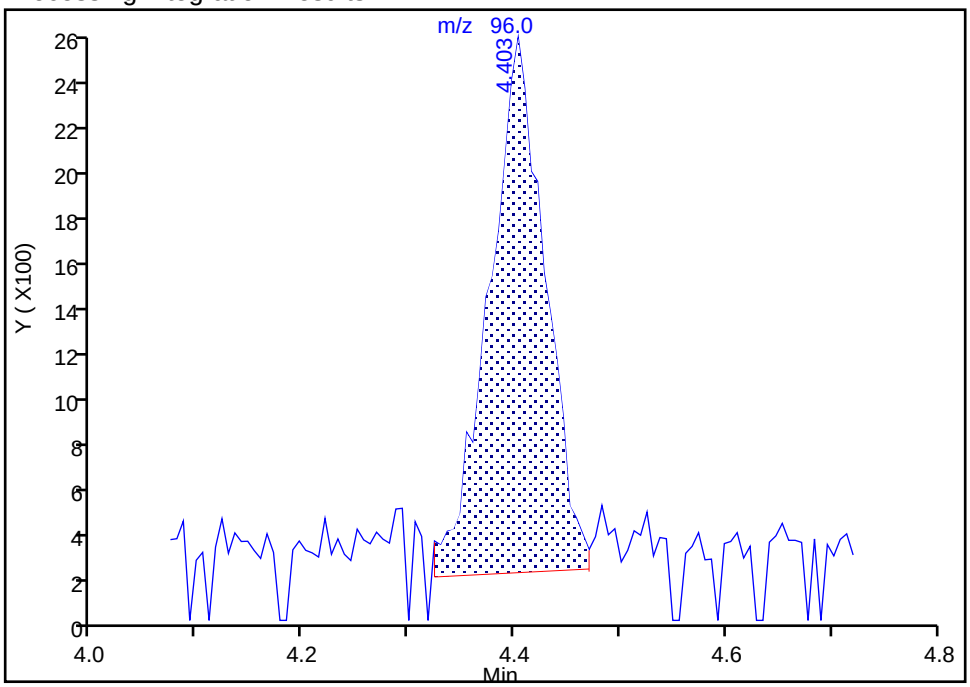
Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X12.D
Injection Date: 17-Oct-2023 07:43:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: GAW91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

33 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

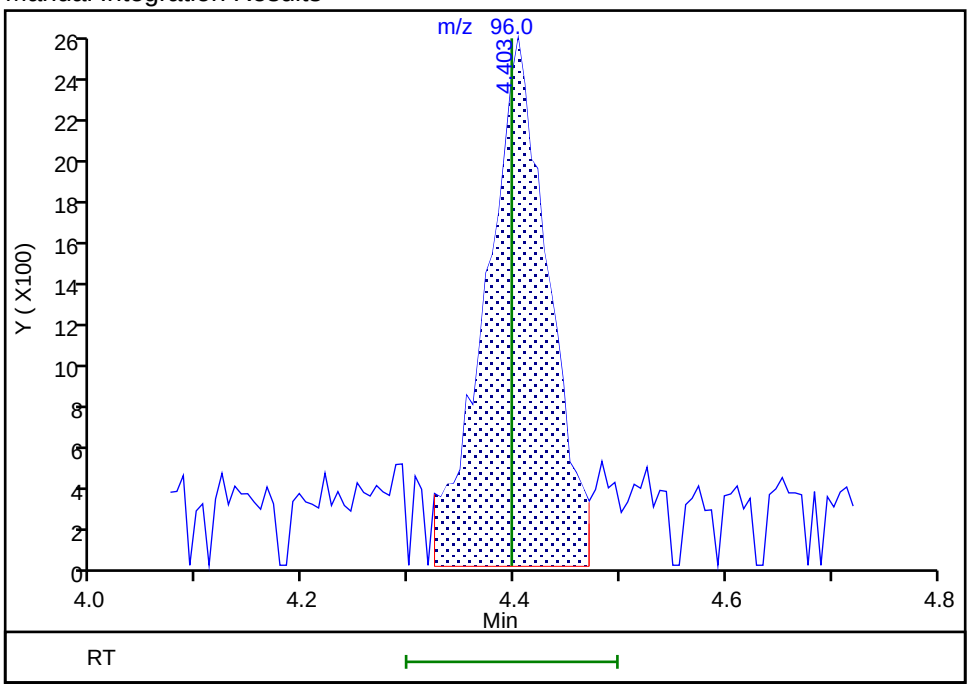
Processing Integration Results

RT: 4.40
Area: 8512
Amount: 0.214009
Amount Units: ug/l



Manual Integration Results

RT: 4.40
Area: 10404
Amount: 0.253471
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:27:43 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

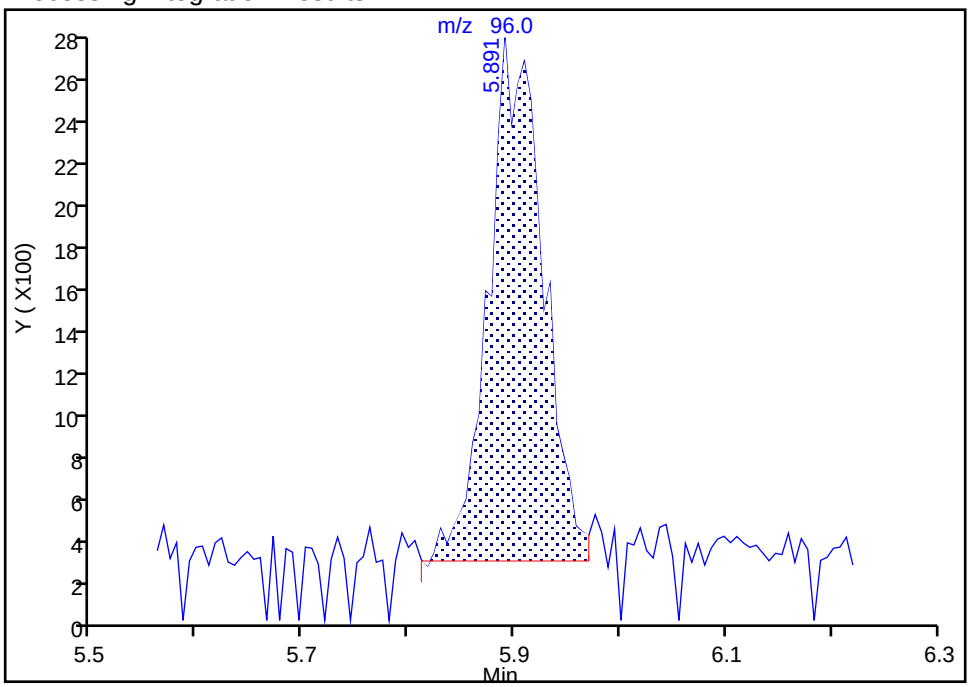
Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X12.D
Injection Date: 17-Oct-2023 07:43:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: GAW91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

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

Signal: 1

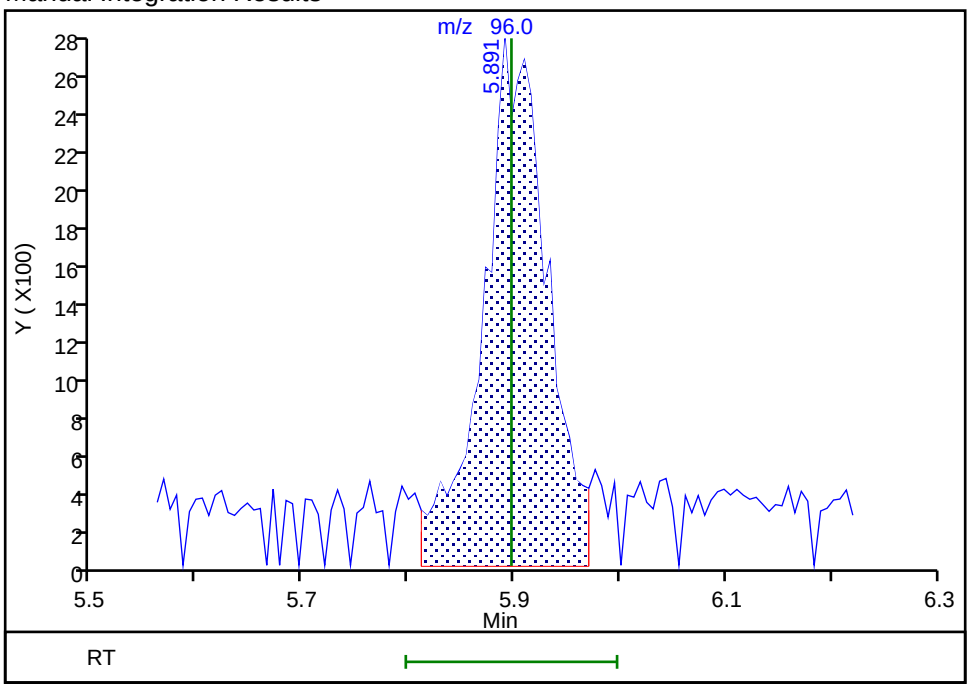
Processing Integration Results

RT: 5.89
Area: 8739
Amount: 0.198438
Amount Units: ug/l



Manual Integration Results

RT: 5.89
Area: 11553
Amount: 0.250886
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:27:56 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

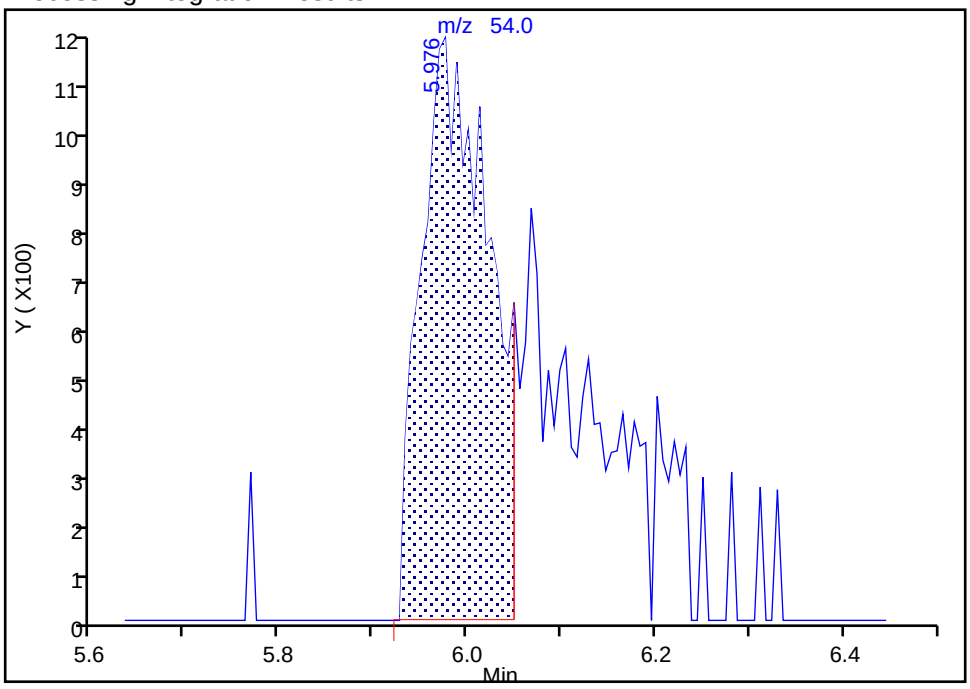
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X12.D				
Injection Date:	17-Oct-2023 07:43:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

44 Propionitrile, CAS: 107-12-0

Signal: 1

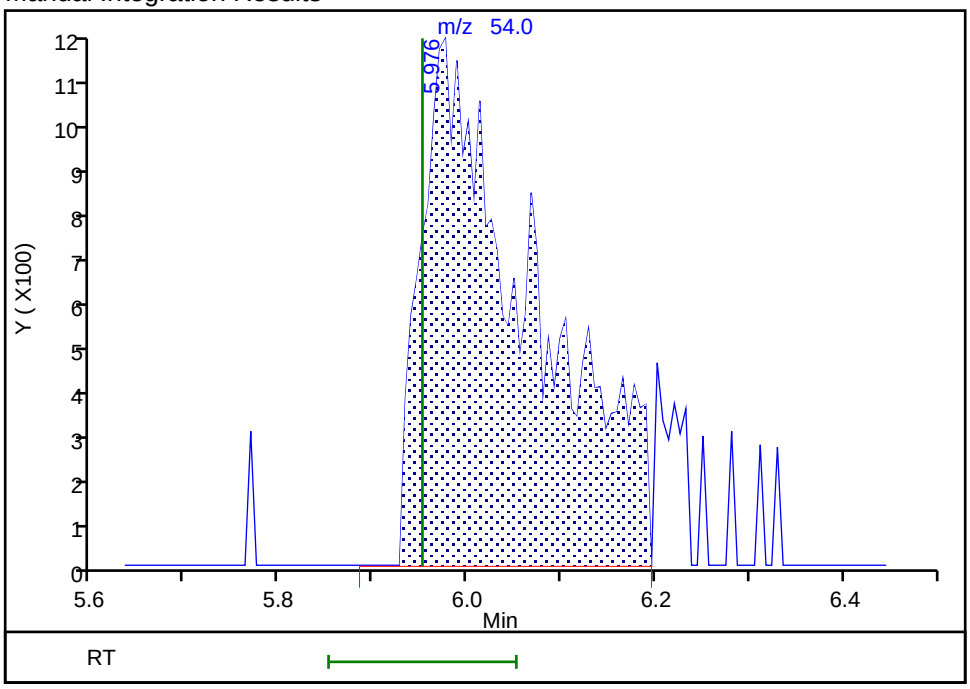
Processing Integration Results

RT: 5.98
Area: 5665
Amount: 3.062458
Amount Units: ug/l



Manual Integration Results

RT: 5.98
Area: 9211
Amount: 4.426781
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:28:05 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

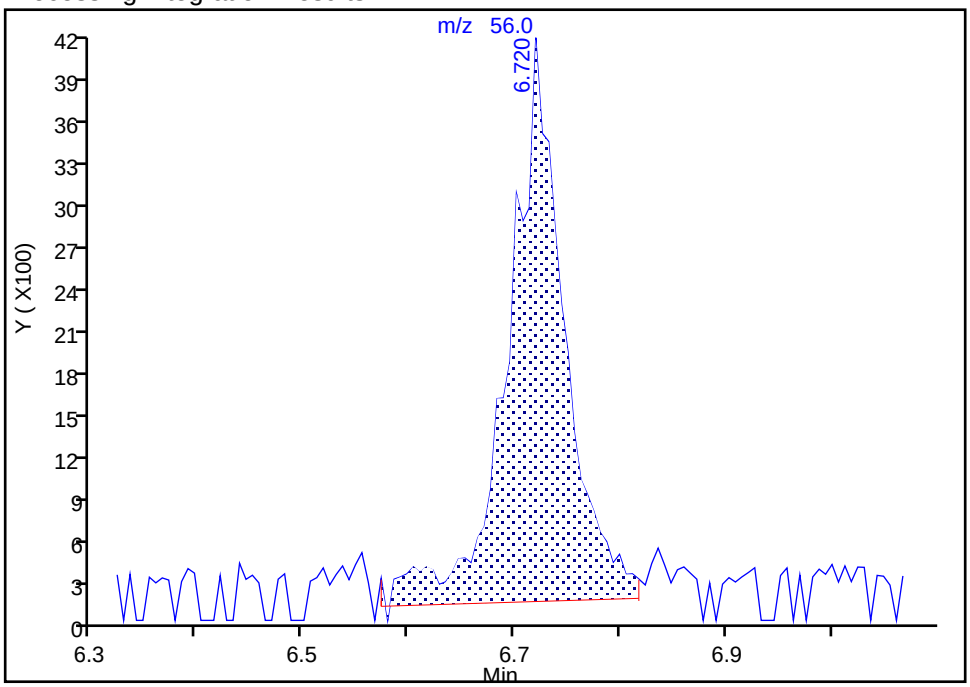
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X12.D				
Injection Date:	17-Oct-2023 07:43:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

54 Cyclohexane, CAS: 110-82-7

Signal: 1

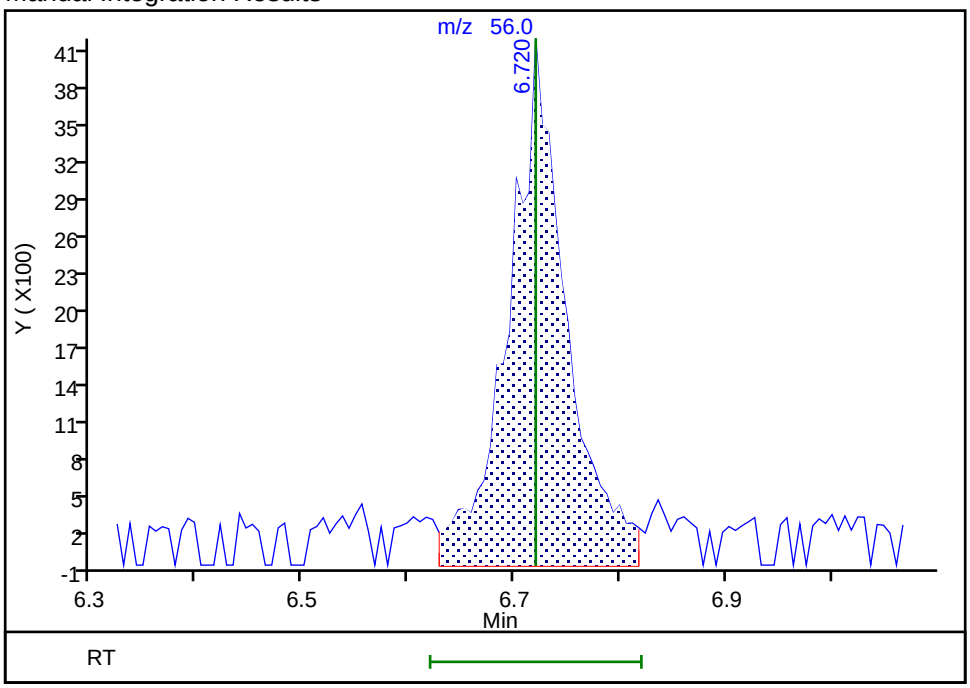
Processing Integration Results

RT: 6.72
Area: 14775
Amount: 0.233129
Amount Units: ug/l



Manual Integration Results

RT: 6.72
Area: 15741
Amount: 0.245697
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:28:26 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

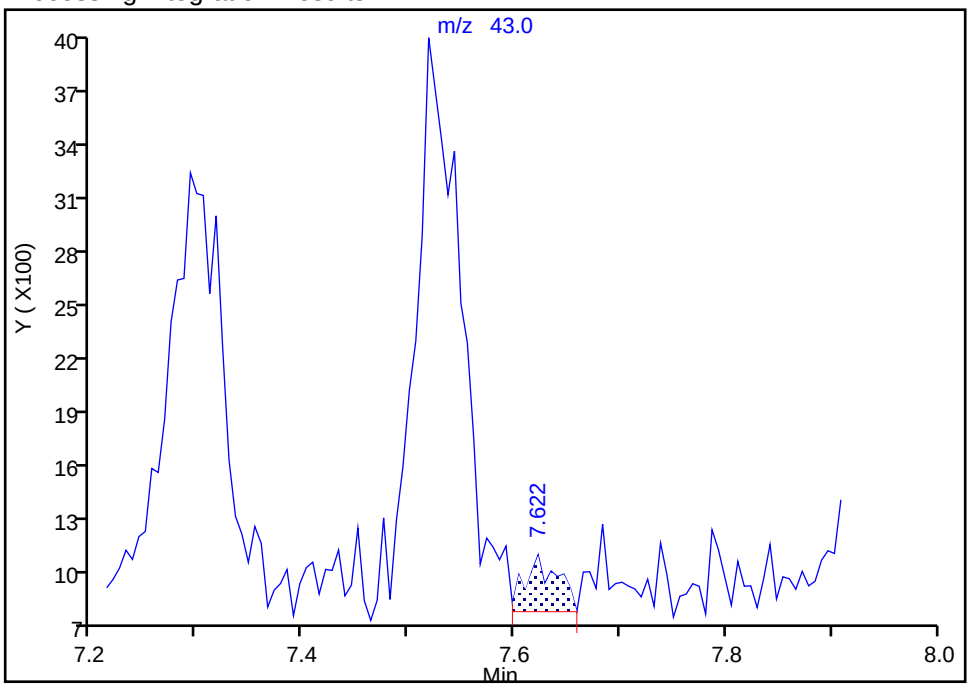
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X12.D				
Injection Date:	17-Oct-2023 07:43:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

65 n-Heptane, CAS: 142-82-5

Signal: 1

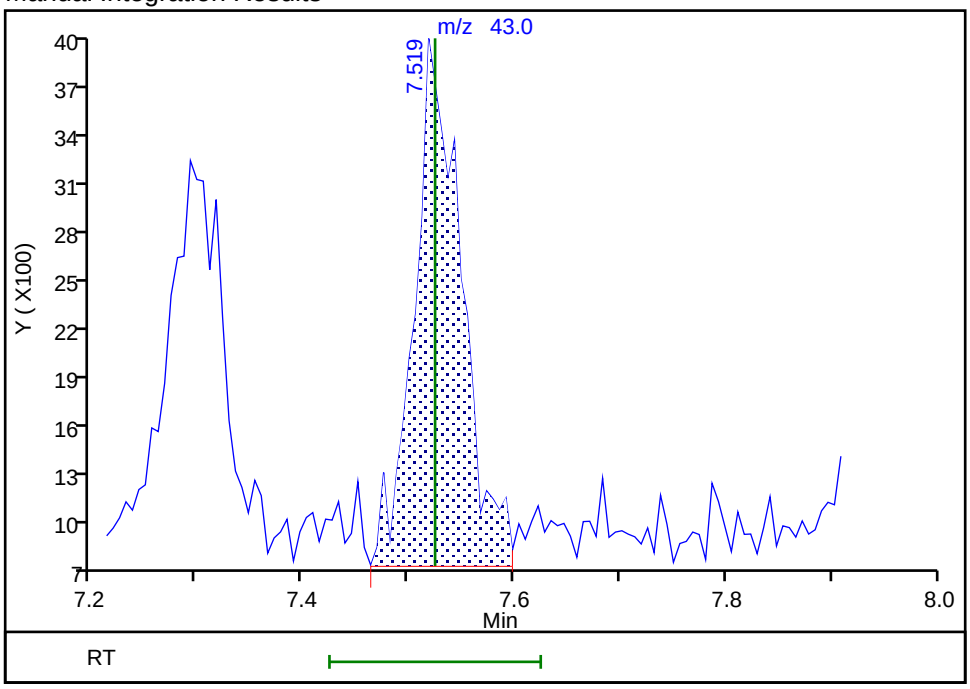
Processing Integration Results

RT: 7.62
Area: 658
Amount: 0.139795
Amount Units: ug/l



Manual Integration Results

RT: 7.52
Area: 9956
Amount: 0.226495
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:28:36 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

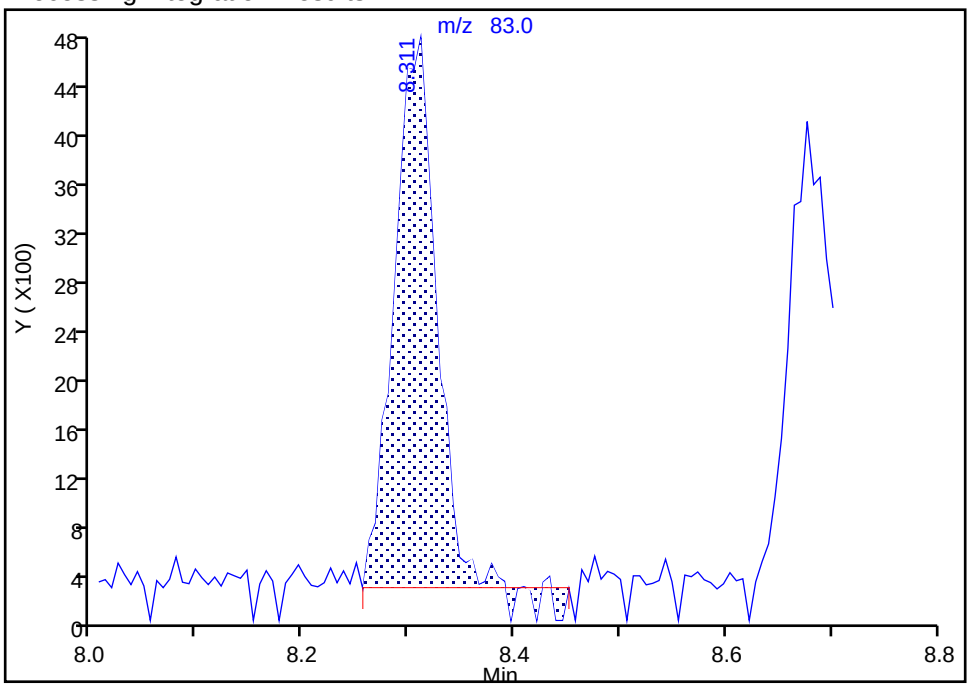
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X12.D				
Injection Date:	17-Oct-2023 07:43:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

69 Methylcyclohexane, CAS: 108-87-2

Signal: 1

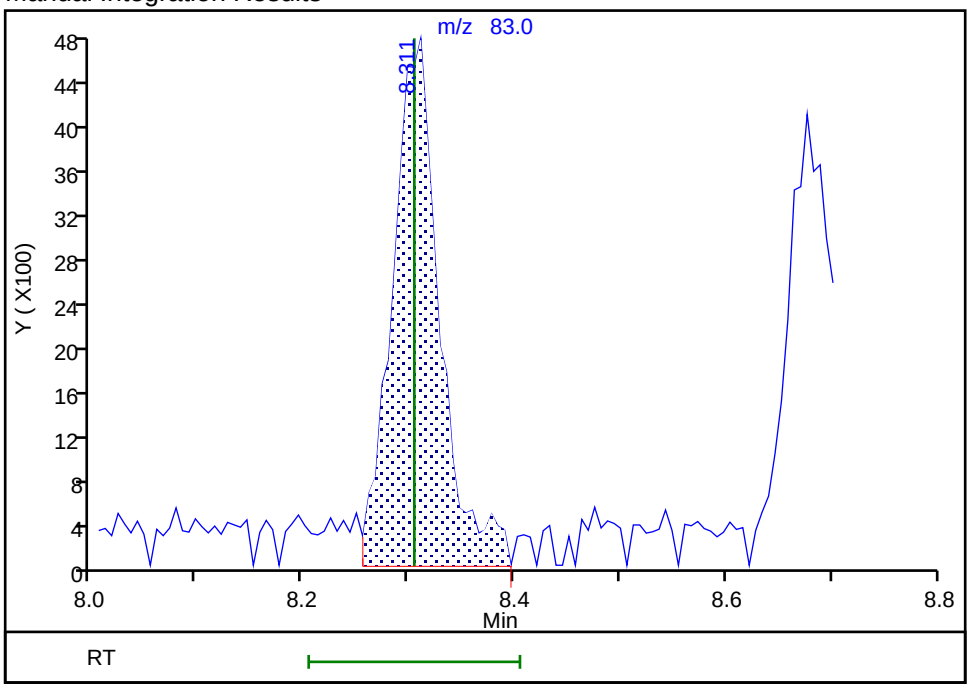
Processing Integration Results

RT: 8.31
Area: 12130
Amount: 0.198040
Amount Units: ug/l



Manual Integration Results

RT: 8.31
Area: 14596
Amount: 0.231639
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:28:49 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

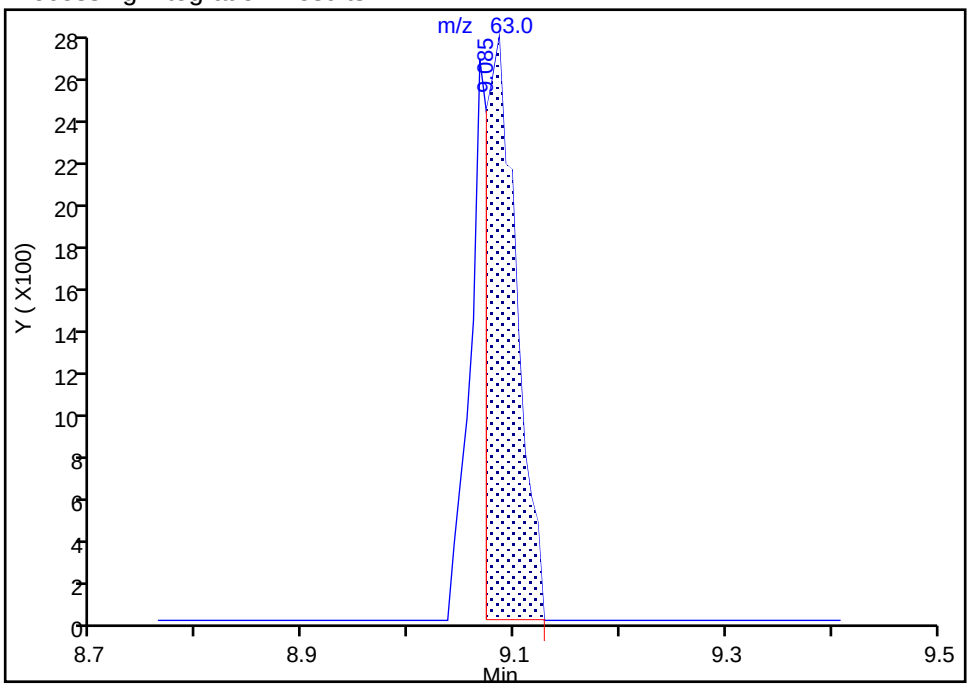
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X12.D				
Injection Date:	17-Oct-2023 07:43:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

79 1-Bromo-2-chloroethane, CAS: 107-04-0

Signal: 1

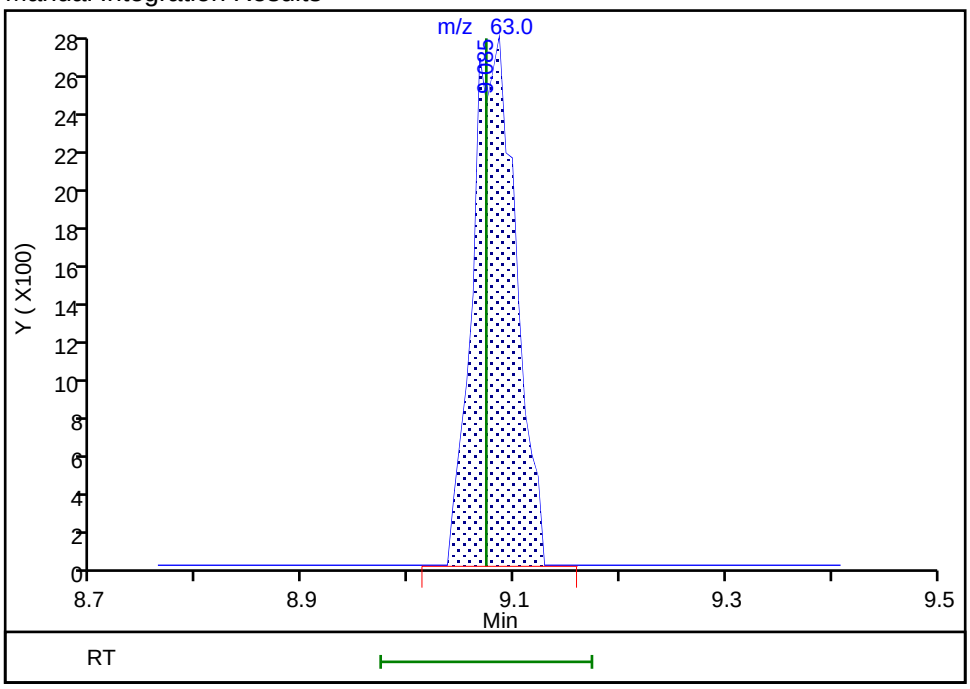
Processing Integration Results

RT: 9.09
Area: 5651
Amount: 0.147841
Amount Units: ug/l



Manual Integration Results

RT: 9.09
Area: 7898
Amount: 0.198300
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:29:03 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X13.D
Lims ID: IC std2 0.5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 17-Oct-2023 08:03:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-014
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:24:59 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 18-Oct-2023 08:32:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.873	1.873	0.000	99	27445	0.5000	0.5361	M
5 Chloromethane	50	2.056	2.056	0.000	99	29218	0.5000	0.5198	
6 Vinyl chloride	62	2.172	2.172	0.000	80	29242	0.5000	0.5423	
7 Butadiene	39	2.178	2.178	0.000	95	34392	0.5000	0.5881	
9 Bromomethane	94	2.483	2.483	0.000	91	21283	0.5000	0.5544	
10 Chloroethane	64	2.562	2.562	0.000	99	16732	0.5000	0.5376	
11 Dichlorofluoromethane	67	2.788	2.788	0.000	97	47810	0.5000	0.5555	
12 Trichlorofluoromethane	101	2.861	2.855	0.006	95	35185	0.5000	0.5453	
14 Ethyl ether	59	3.087	3.080	0.007	90	15760	0.5001	0.5293	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.147	3.160	-0.013	92	25749	0.5000	0.5561	
16 Acrolein	56	3.239	3.239	0.000	99	91320	25.0	24.8	
17 1,1-Dichloroethene	96	3.373	3.373	0.000	98	18171	0.5000	0.5018	
19 Acetone	43	3.416	3.391	0.025	95	25201	5.00	5.55	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.422	3.416	0.006	90	16437	0.5000	0.4935	
21 Iodomethane	142	3.556	3.556	0.000	99	35135	0.5000	0.4912	
22 Ethyl bromide	108	3.586	3.580	0.006	96	16438	0.4995	0.5072	
23 Carbon disulfide	76	3.666	3.666	0.000	99	50315	0.5000	0.4991	
24 Methyl acetate	43	3.806	3.800	0.006	26	7223	0.5000	0.5455	M
26 3-Chloro-1-propene	41	3.812	3.818	-0.006	88	30721	0.5000	0.5071	
27 Methylene Chloride	84	3.995	3.995	0.000	93	20005	0.5000	0.5206	
* 28 t-Butyl alcohol-d10 (IS)	65	3.995	4.007	-0.012	96	75057	50.0	50.0	
29 2-Methyl-2-propanol	59	4.111	4.111	0.000	67	14400	10.0	10.7	
31 Acrylonitrile	53	4.336	4.312	0.024	89	7751	1.25	1.31	
32 Methyl tert-butyl ether	73	4.391	4.391	0.000	97	45429	0.5000	0.4976	
33 trans-1,2-Dichloroethene	96	4.403	4.397	0.006	97	20871	0.5000	0.5072	
34 Hexane	57	4.830	4.824	0.006	92	22187	0.5000	0.4970	
36 1,1-Dichloroethane	63	5.062	5.056	0.006	96	36905	0.5000	0.5038	
37 Isopropyl ether	45	5.123	5.123	0.000	95	59122	0.5000	0.4899	
38 2-Chloro-1,3-butadiene	53	5.165	5.172	-0.007	94	33494	0.5000	0.5057	
40 Tert-butyl ethyl ether	59	5.659	5.665	-0.006	98	59843	0.5000	0.5039	
41 2-Butanone (MEK)	43	5.885	5.873	0.012	99	34252	5.00	4.61	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	5.903	5.897	0.006	85	24065	0.5000	0.5213	
43 2,2-Dichloropropane	77	5.915	5.909	0.006	89	33930	0.5000	0.4996	
44 Propionitrile	54	5.976	5.952	0.024	93	22121	10.0	10.7	M
S 46 1,2-Dichloroethene, Total	100				0			1.03	
47 Methacrylonitrile	67	6.177	6.171	0.006	93	39657	5.00	4.80	
48 Chlorobromomethane	128	6.232	6.232	0.000	77	9090	0.5000	0.4930	
49 Tetrahydrofuran	71	6.257	6.257	0.000	75	6840	2.50	2.87	M
50 Chloroform	83	6.391	6.385	0.006	95	37690	0.5000	0.4996	
$ 52 Dibromofluoromethane (Surr)	113	6.604	6.604	0.000	93	437059	10.0	9.96	
53 1,1,1-Trichloroethane	97	6.616	6.616	0.000	39	36711	0.5000	0.5189	
54 Cyclohexane	56	6.720	6.720	0.000	92	34107	0.5000	0.5310	
56 Carbon tetrachloride	117	6.830	6.830	0.000	93	29764	0.5000	0.5025	
55 1,1-Dichloropropene	75	6.830	6.836	-0.006	91	28100	0.5000	0.4933	
57 Isobutyl alcohol	41	7.000	6.988	0.012	84	9104	25.0	21.4	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.061	7.061	0.000	81	81768	10.0	9.88	
59 Benzene	78	7.098	7.098	0.000	96	81541	0.5000	0.4934	
60 1,2-Dichloroethane	62	7.177	7.171	0.006	96	24468	0.5000	0.5083	
63 Tert-amyl methyl ether	73	7.299	7.299	0.000	97	49389	0.5000	0.4905	
* 64 Fluorobenzene (IS)	96	7.506	7.506	0.000	98	1732238	10.0	10.0	
65 n-Heptane	43	7.519	7.525	-0.006	87	22688	0.5000	0.5149	
67 n-Butanol	56	7.909	7.891	0.019	92	17916	43.8	52.9	
68 Trichloroethene	95	7.994	8.000	-0.006	96	22875	0.5000	0.4906	
69 Methylcyclohexane	83	8.299	8.305	-0.006	91	31168	0.5000	0.4934	
70 1,2-Dichloropropane	63	8.329	8.329	0.000	91	20116	0.5000	0.4949	
71 2-ethoxy-2-methyl butane	87	8.348	8.342	0.006	92	31878	0.5000	0.4909	
72 Methyl methacrylate	69	8.433	8.421	0.012	89	9025	0.5000	0.5322	
73 1,4-Dioxane	88	8.439	8.433	0.006	29	235	25.0	25.3	M
74 Dibromomethane	93	8.451	8.439	0.012	92	9357	0.5000	0.4752	
76 Dichlorobromomethane	83	8.683	8.677	0.006	97	25898	0.5000	0.4778	
77 2-Nitropropane	41	8.951	8.939	0.012	98	12816	2.50	2.23	
79 1-Bromo-2-chloroethane	63	9.073	9.073	0.000	98	19521	0.5000	0.4889	
80 cis-1,3-Dichloropropene	75	9.244	9.238	0.006	93	29612	0.5000	0.4695	
82 4-Methyl-2-pentanone (MIBK)	43	9.421	9.421	0.000	97	107243	5.00	5.13	
$ 83 Toluene-d8 (Surr)	98	9.561	9.561	0.000	94	1731261	10.0	10.0	
84 Toluene	92	9.640	9.640	0.000	98	53186	0.5000	0.4941	
85 trans-1,3-Dichloropropene	75	9.908	9.902	0.006	96	24935	0.5000	0.4819	
104 Ethyl methacrylate	69	9.975	9.975	0.000	88	18481	0.5000	0.4813	
S 105 1,3-Dichloropropene, Total	100				0			0.9514	
106 1,1,2-Trichloroethane	97	10.116	10.116	0.000	91	12757	0.5000	0.4707	
107 Tetrachloroethene	166	10.201	10.201	0.000	98	25588	0.5000	0.4975	
108 1,3-Dichloropropane	76	10.280	10.280	0.000	93	22586	0.5000	0.4864	
109 2-Hexanone	43	10.335	10.335	0.000	97	68798	5.00	4.94	
111 Chlorodibromomethane	129	10.500	10.500	0.000	91	17364	0.5000	0.4804	
112 Ethylene Dibromide	107	10.609	10.609	0.000	99	13173	0.5000	0.5042	
* 113 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	87	1303431	10.0	10.0	
114 1-Chlorohexane	91	11.061	11.061	0.000	95	32597	0.5000	0.5303	
115 Chlorobenzene	112	11.073	11.073	0.000	97	59000	0.5000	0.5029	
116 1,1,1,2-Tetrachloroethane	131	11.158	11.158	0.000	94	20693	0.5000	0.4839	
117 Ethylbenzene	91	11.164	11.164	0.000	99	104124	0.5000	0.4966	
S 118 Xylenes, Total	106				0			1.46	
119 m-Xylene & p-Xylene	106	11.280	11.280	0.000	100	78826	1.00	0.9732	
120 o-Xylene	106	11.615	11.609	0.006	97	38877	0.5000	0.4895	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 Styrene	104	11.628	11.628	0.000	95	61427	0.5000	0.4783	
122 Bromoform	173	11.786	11.786	0.000	96	11238	0.5000	0.4934	
123 Isopropylbenzene	105	11.914	11.914	0.000	96	95314	0.5000	0.4890	
$ 126 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	91	645602	10.0	10.0	
127 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	93	17830	0.5000	0.5334	M
128 Bromobenzene	156	12.176	12.176	0.000	96	24978	0.5000	0.5014	
129 trans-1,4-Dichloro-2-butene	53	12.188	12.188	0.000	96	41410	5.00	4.85	
130 1,2,3-Trichloropropane	110	12.207	12.207	0.000	79	4295	0.5000	0.4808	
131 N-Propylbenzene	91	12.249	12.249	0.000	99	115224	0.5000	0.4879	
132 2-Chlorotoluene	126	12.323	12.323	0.000	96	24346	0.5000	0.4923	
133 1,3,5-Trimethylbenzene	105	12.383	12.384	-0.001	94	84362	0.5000	0.4930	
134 4-Chlorotoluene	126	12.420	12.414	0.006	97	24775	0.5000	0.4905	
135 tert-Butylbenzene	134	12.627	12.627	0.000	93	19375	0.5000	0.4961	
136 Pentachloroethane	167	12.658	12.658	0.000	90	15094	0.5000	0.4740	
137 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	98	84884	0.5000	0.4906	
138 sec-Butylbenzene	105	12.792	12.792	0.000	95	101163	0.5000	0.4853	
139 1,3-Dichlorobenzene	146	12.889	12.890	-0.001	98	46000	0.5000	0.4817	
140 4-Isopropyltoluene	119	12.902	12.902	0.000	97	89272	0.5000	0.4863	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	730485	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.963	12.963	0.000	95	47649	0.5000	0.4946	
143 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	98	38052	0.5000	0.4930	
144 Benzyl chloride	126	13.042	13.042	0.000	99	6418	0.5000	0.4598	
145 p-Diethylbenzene	119	13.176	13.170	0.006	95	50522	0.5000	0.4742	
146 n-Butylbenzene	92	13.194	13.194	0.000	97	40332	0.5000	0.4842	
147 1,2-Dichlorobenzene	146	13.225	13.225	0.000	97	42105	0.5000	0.4911	
149 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	85	2012	0.5000	0.4555	
150 1,3,5-Trichlorobenzene	180	13.895	13.895	0.000	97	30689	0.5000	0.4767	
151 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	22105	0.5000	0.4438	
152 Hexachlorobutadiene	225	14.401	14.401	0.000	96	9472	0.5000	0.4908	
153 Naphthalene	128	14.499	14.493	0.006	97	35396	0.5000	0.4478	
154 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	94	16044	0.5000	0.4528	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00099	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00174	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00108	Amount Added:	2.00	Units: uL	
MSV_LLcentISS_00009	Amount Added:	5.00	Units: uL	Run Reagent

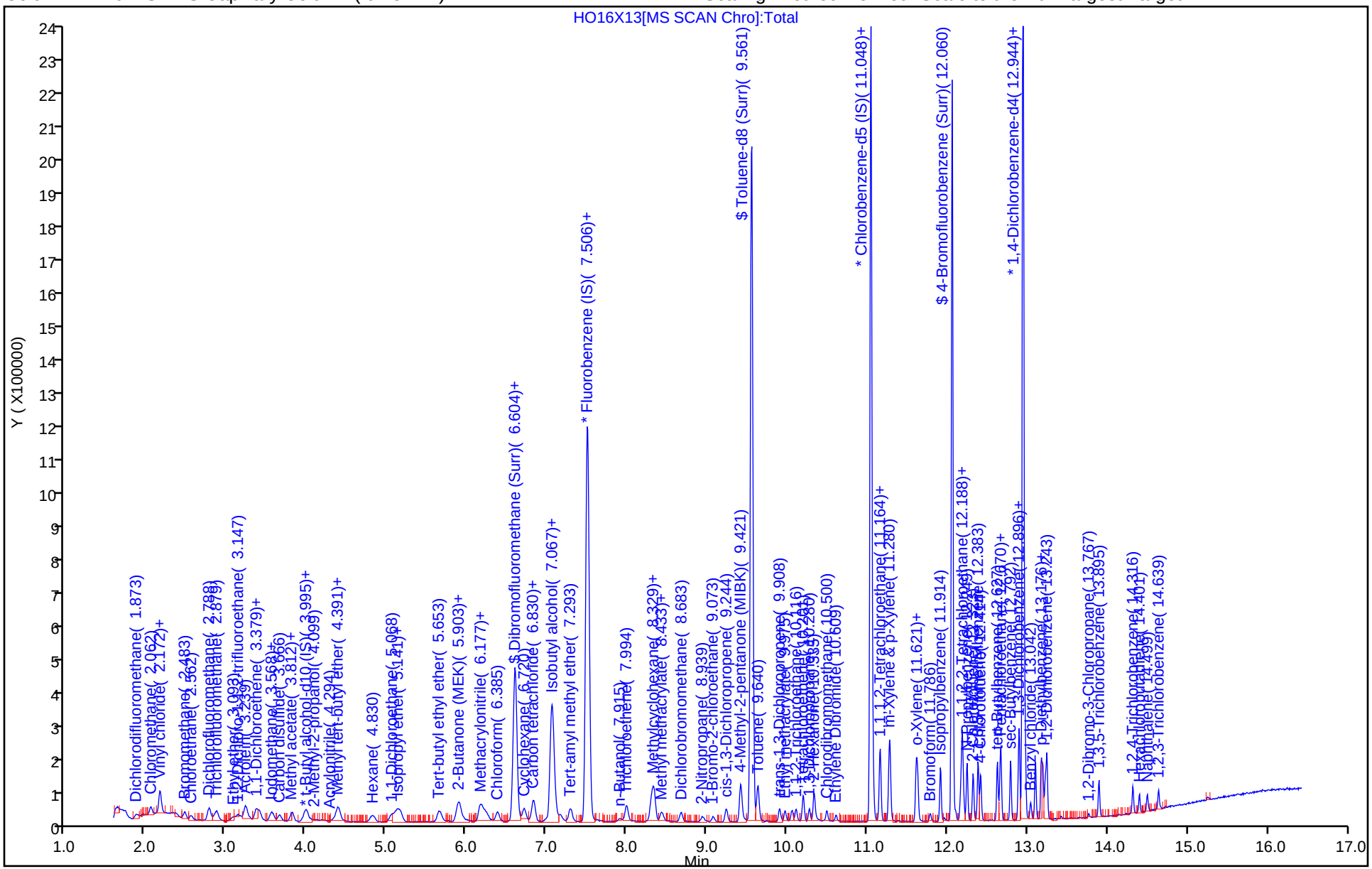
Report Date: 20-Oct-2023 13:25:00 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X13.D

Injection Date:	17-Oct-2023 08:03:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	IC std2 0.5			Worklist Smp#:	14
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

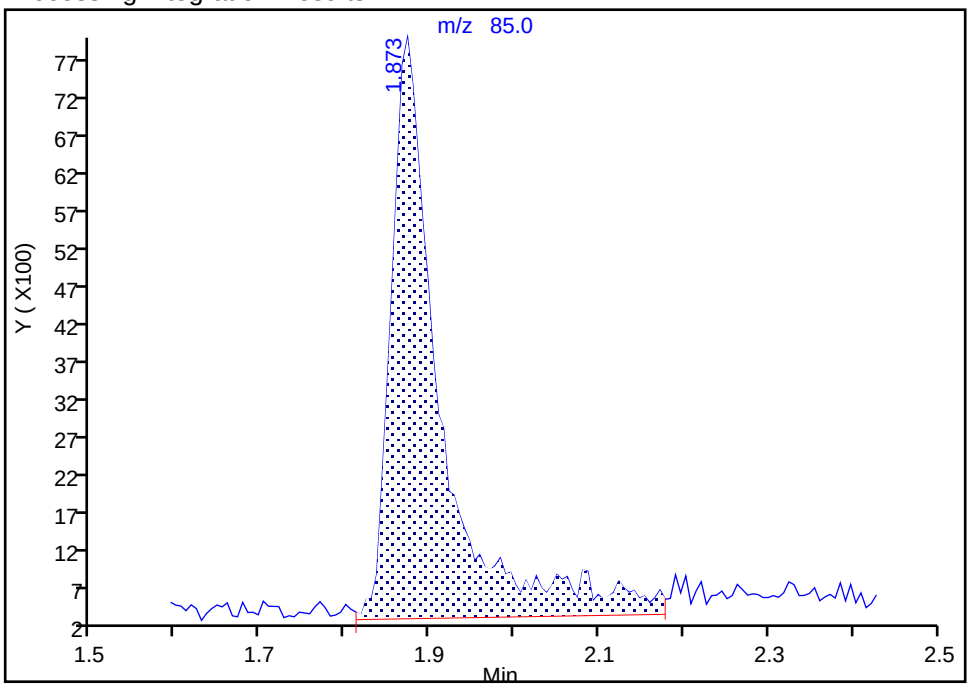
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X13.D				
Injection Date:	17-Oct-2023 08:03:30	Instrument ID:	19094		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

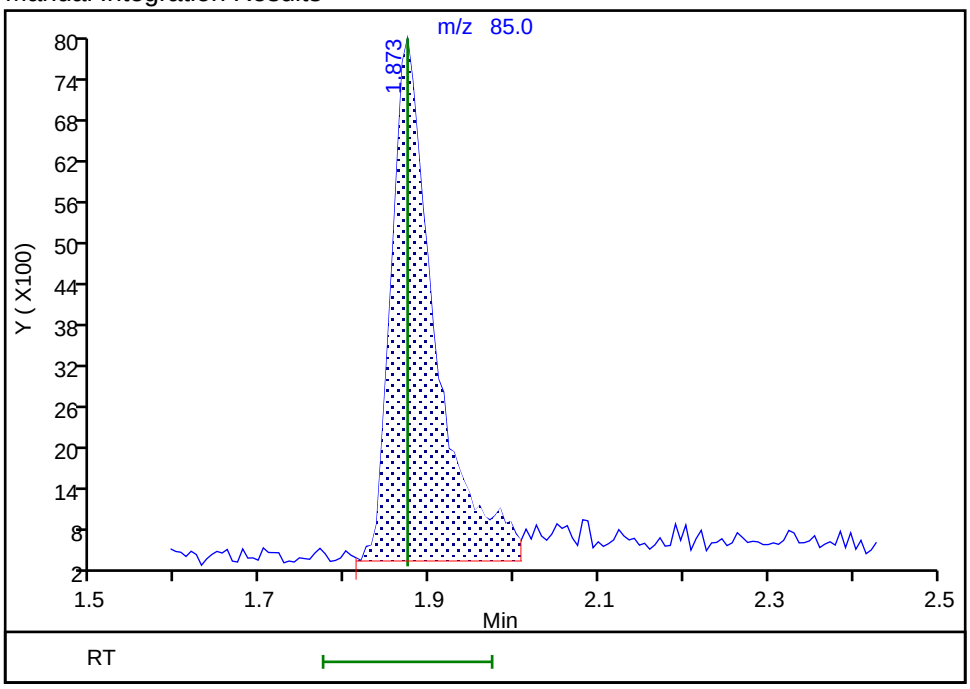
Processing Integration Results

RT: 1.87
Area: 31199
Amount: 0.587091
Amount Units: ug/l



Manual Integration Results

RT: 1.87
Area: 27445
Amount: 0.536093
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:30:03 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

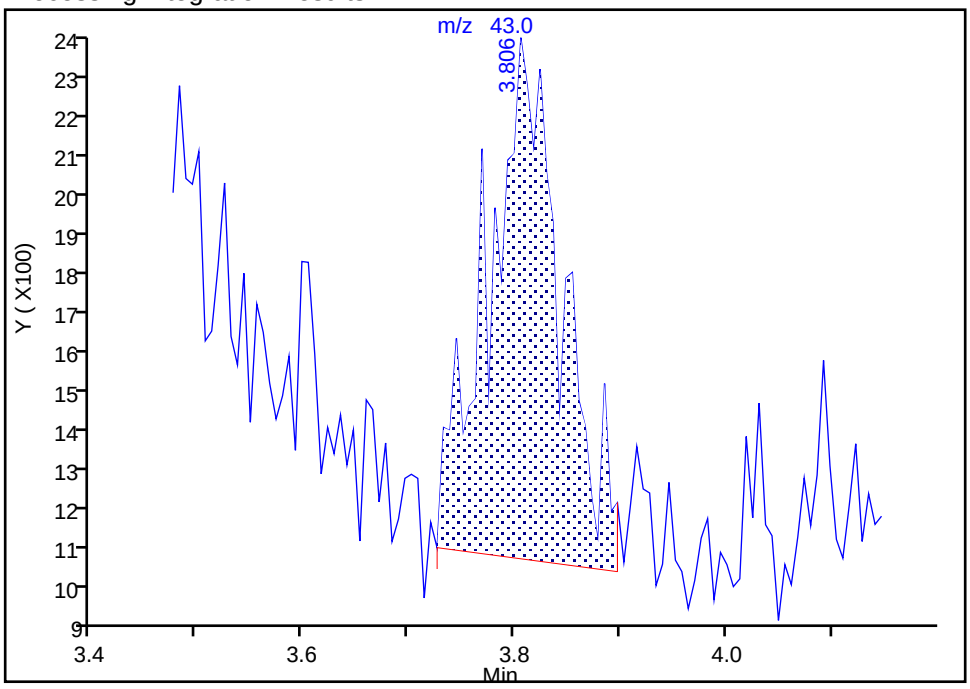
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X13.D				
Injection Date:	17-Oct-2023 08:03:30	Instrument ID:	19094		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

24 Methyl acetate, CAS: 79-20-9

Signal: 1

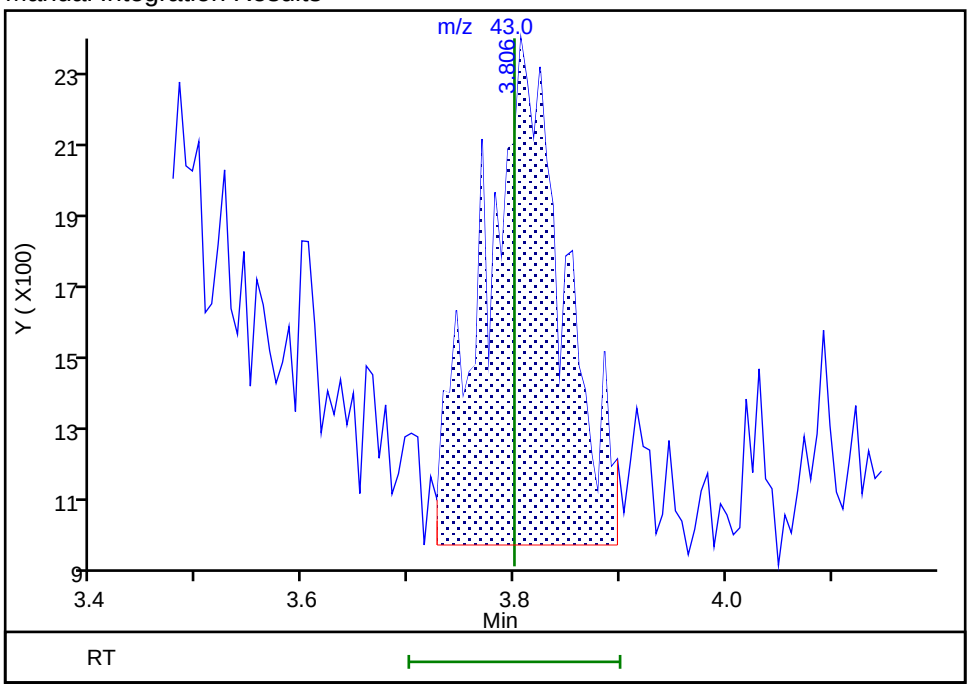
Processing Integration Results

RT: 3.81
Area: 6194
Amount: 0.472340
Amount Units: ug/l



Manual Integration Results

RT: 3.81
Area: 7223
Amount: 0.545490
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:31:07 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

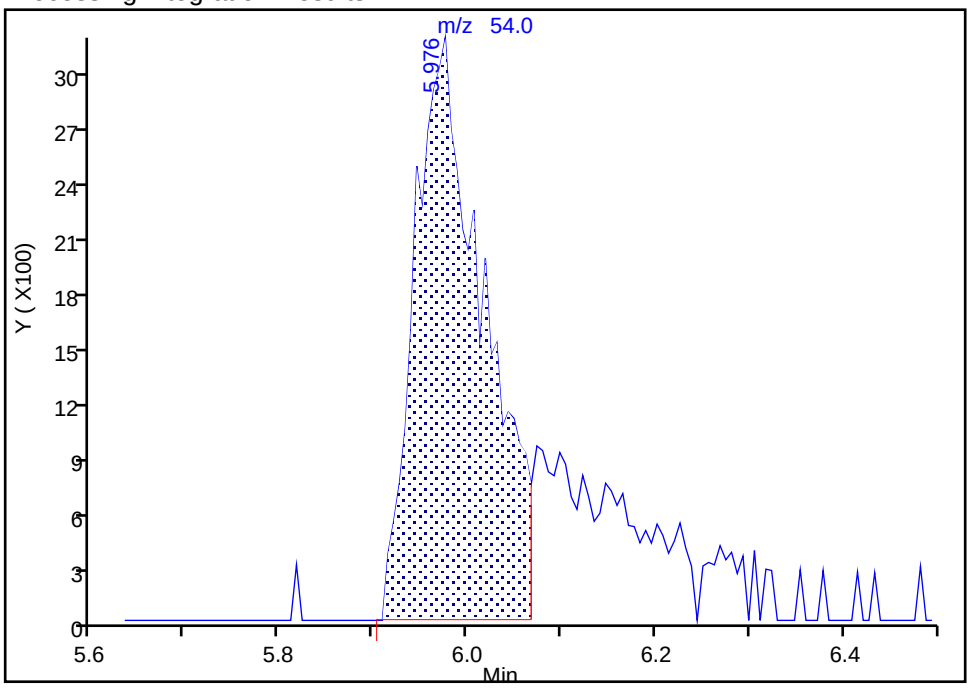
Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X13.D
Injection Date: 17-Oct-2023 08:03:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: GAW91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

44 Propionitrile, CAS: 107-12-0

Signal: 1

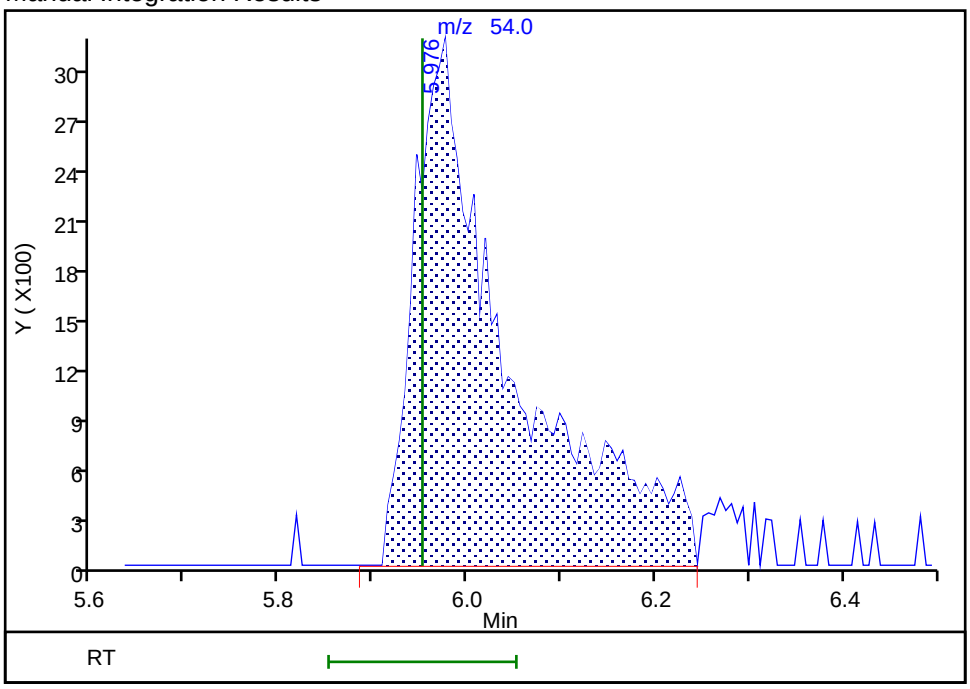
Processing Integration Results

RT: 5.98
Area: 15950
Amount: 8.117704
Amount Units: ug/l



Manual Integration Results

RT: 5.98
Area: 22121
Amount: 10.694180
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:31:24 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

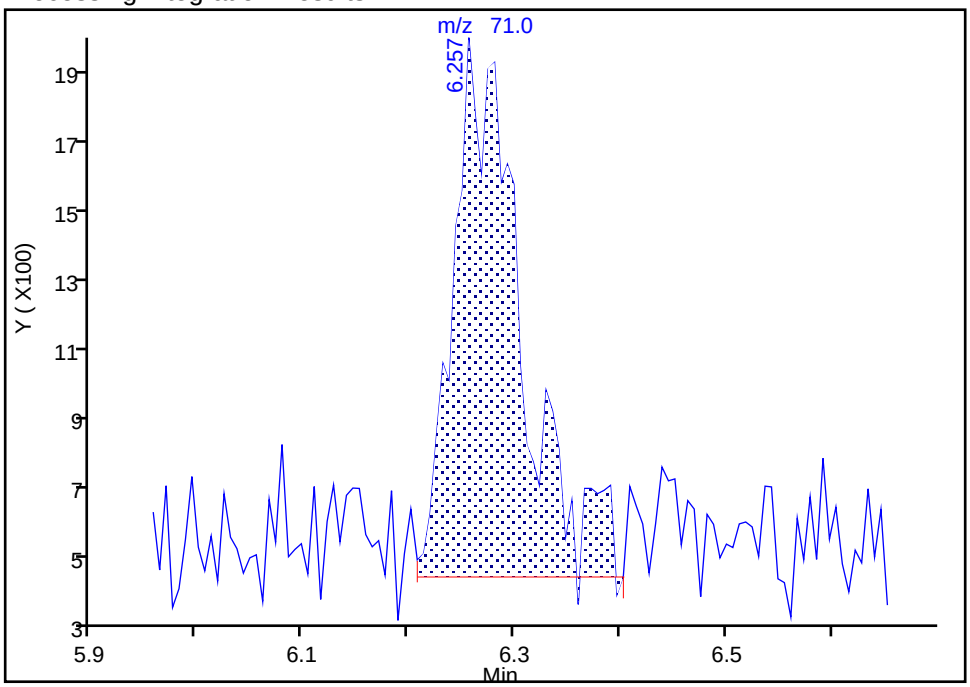
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X13.D				
Injection Date:	17-Oct-2023 08:03:30	Instrument ID:	19094		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

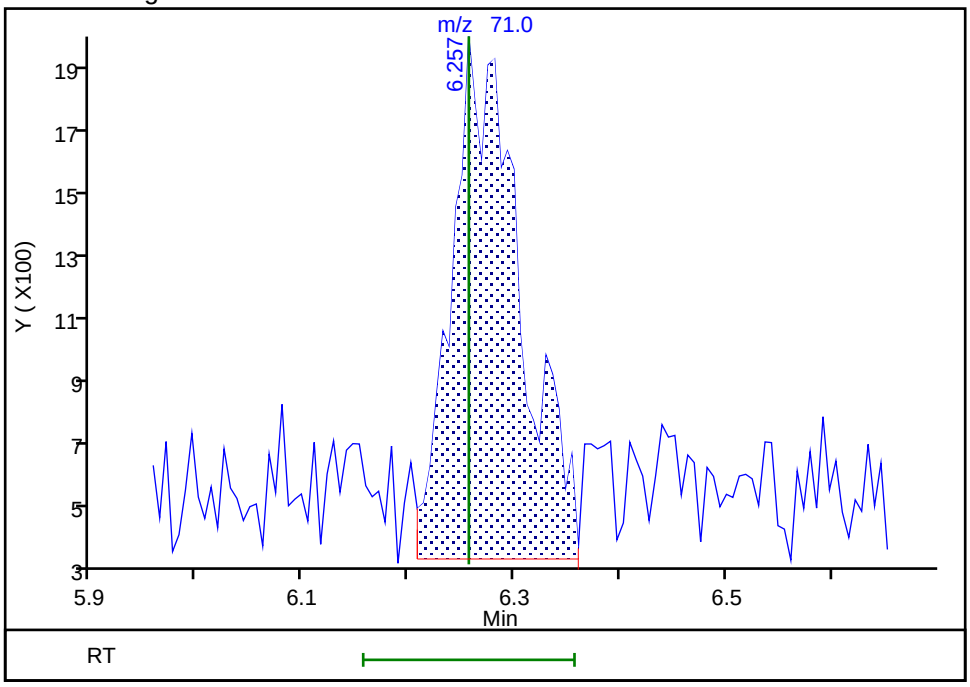
Processing Integration Results

RT: 6.26
Area: 6238
Amount: 2.668278
Amount Units: ug/l



Manual Integration Results

RT: 6.26
Area: 6840
Amount: 2.870740
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:31:45 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

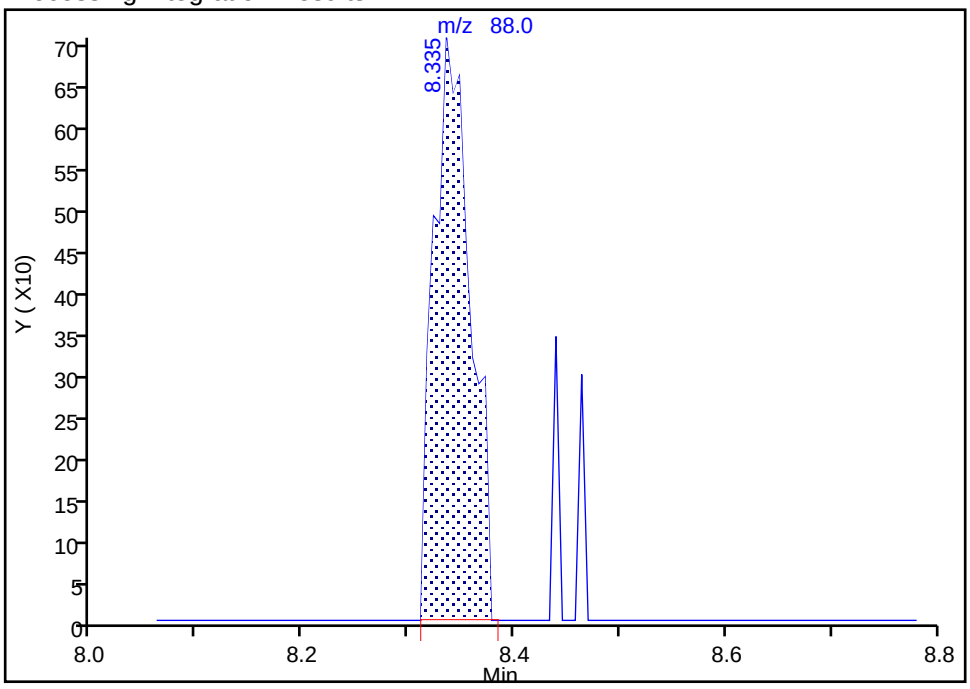
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X13.D				
Injection Date:	17-Oct-2023 08:03:30	Instrument ID:	19094		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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

Signal: 1

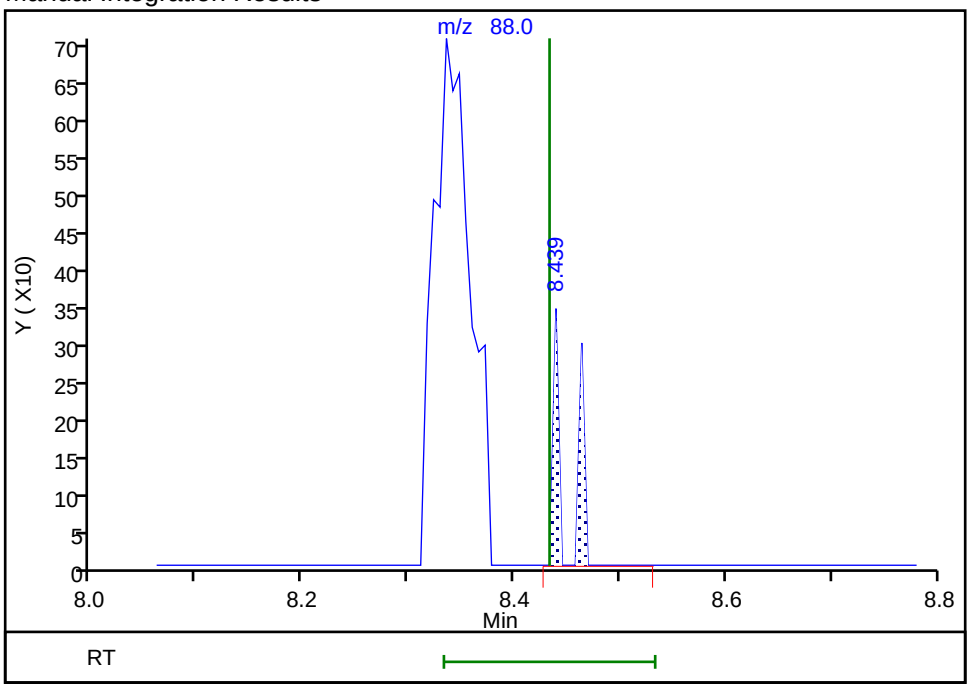
Processing Integration Results

RT: 8.34
Area: 1703
Amount: 25.939331
Amount Units: ug/l



Manual Integration Results

RT: 8.44
Area: 235
Amount: 25.296195
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:32:00 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

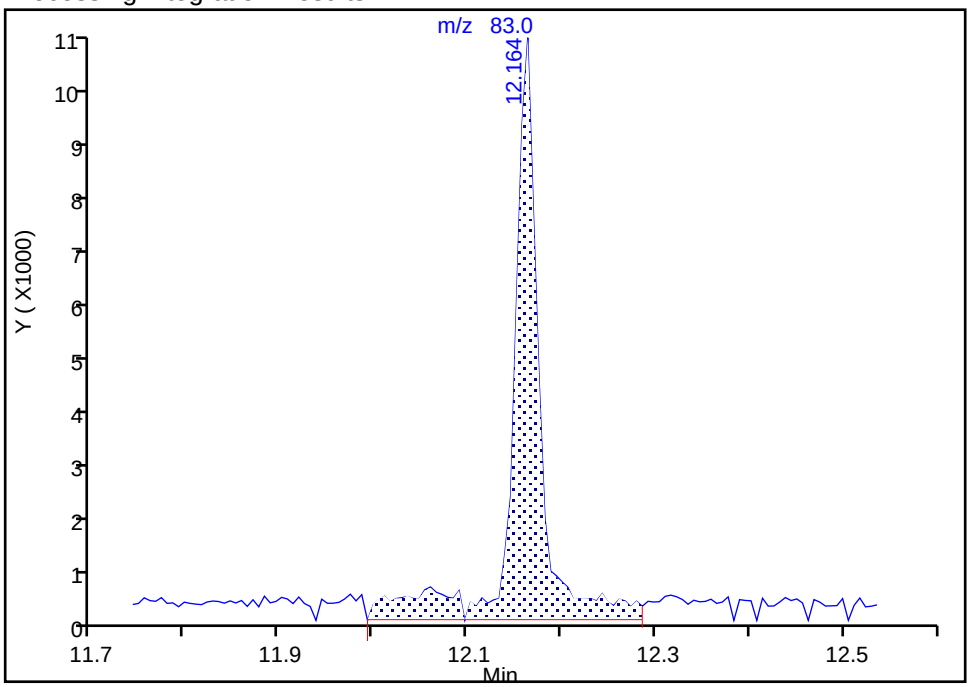
Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X13.D
Injection Date: 17-Oct-2023 08:03:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: GAW91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

127 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

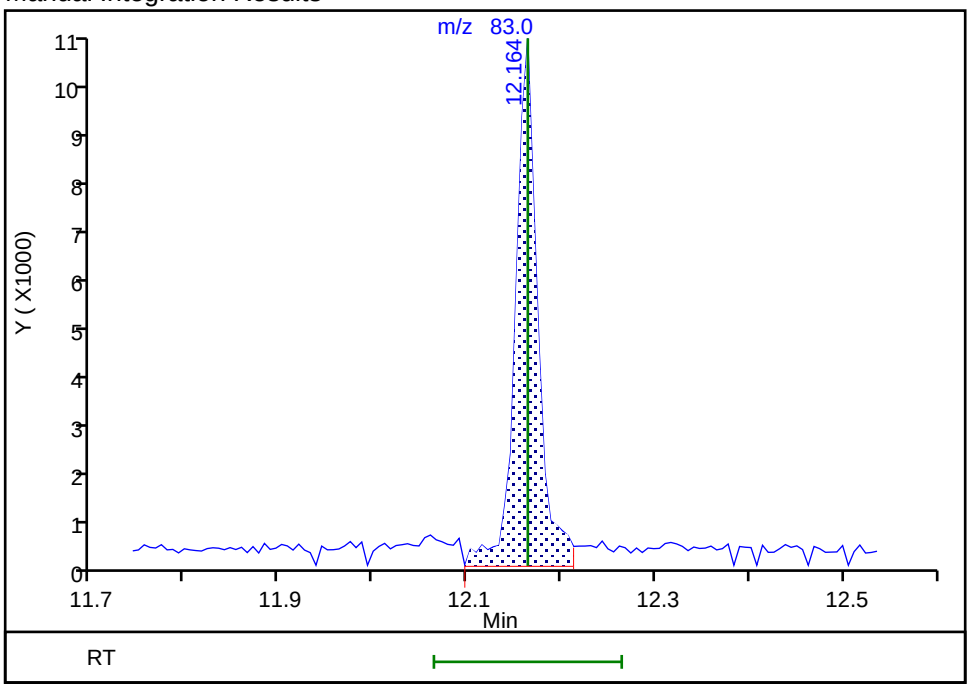
Processing Integration Results

RT: 12.16
Area: 21987
Amount: 0.635183
Amount Units: ug/l



Manual Integration Results

RT: 12.16
Area: 17830
Amount: 0.533393
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:32:27 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X14.D
Lims ID: IC std3 1
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Oct-2023 08:23:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-015
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:25:07 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 18-Oct-2023 08:34:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.873	1.873	0.000	99	47180	1.00	0.9282	M
5 Chloromethane	50	2.062	2.056	0.006	99	49073	1.00	0.8794	
6 Vinyl chloride	62	2.172	2.172	0.000	84	46957	1.00	0.8771	
7 Butadiene	39	2.178	2.178	0.000	96	50830	1.00	0.8754	
9 Bromomethane	94	2.483	2.483	0.000	91	33098	1.00	0.8684	
10 Chloroethane	64	2.562	2.562	0.000	99	26760	1.00	0.8659	
11 Dichlorofluoromethane	67	2.782	2.788	-0.006	97	74286	1.00	0.8693	
12 Trichlorofluoromethane	101	2.855	2.855	0.000	95	55649	1.00	0.8687	
14 Ethyl ether	59	3.086	3.080	0.006	91	28495	1.00	0.9640	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.160	3.160	0.000	91	43180	1.00	0.9392	
16 Acrolein	56	3.239	3.239	0.000	98	183300	50.0	47.1	
17 1,1-Dichloroethene	96	3.373	3.373	0.000	99	31918	1.00	0.8878	
19 Acetone	43	3.410	3.391	0.019	82	50266	10.0	10.5	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.416	3.416	0.000	91	31640	1.00	0.9568	
21 Iodomethane	142	3.556	3.556	0.000	99	66017	1.00	0.9296	
22 Ethyl bromide	108	3.580	3.580	0.000	98	31517	1.00	0.9795	
23 Carbon disulfide	76	3.659	3.666	-0.007	100	91871	1.00	0.9179	
24 Methyl acetate	43	3.806	3.800	0.006	43	14125	1.00	1.01	
26 3-Chloro-1-propene	41	3.818	3.818	0.000	87	54415	1.00	0.9048	
27 Methylene Chloride	84	3.995	3.995	0.000	92	35765	1.00	0.9374	
* 28 t-Butyl alcohol-d10 (IS)	65	3.989	4.007	-0.018	95	79384	50.0	50.0	
29 2-Methyl-2-propanol	59	4.117	4.111	0.006	98	28646	20.0	20.1	
31 Acrylonitrile	53	4.330	4.312	0.018	95	15848	2.50	2.53	
32 Methyl tert-butyl ether	73	4.391	4.391	0.000	99	88705	1.00	0.9787	
33 trans-1,2-Dichloroethene	96	4.403	4.397	0.006	97	35833	1.00	0.8771	
34 Hexane	57	4.836	4.824	0.012	92	43007	1.00	0.9703	
36 1,1-Dichloroethane	63	5.062	5.056	0.006	96	67496	1.00	0.9281	
37 Isopropyl ether	45	5.129	5.123	0.006	93	113788	1.00	0.9497	
38 2-Chloro-1,3-butadiene	53	5.171	5.172	-0.001	94	61081	1.00	0.9288	
40 Tert-butyl ethyl ether	59	5.659	5.665	-0.006	97	111723	1.00	0.9476	
41 2-Butanone (MEK)	43	5.872	5.873	-0.001	99	72803	10.0	9.27	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	5.909	5.897	0.012	83	40092	1.00	0.8747	
43 2,2-Dichloropropane	77	5.903	5.909	-0.006	73	63094	1.00	0.9356	
44 Propionitrile	54	5.970	5.952	0.018	98	43536	20.0	19.9	M
S 46 1,2-Dichloroethene, Total	100				0			1.75	
47 Methacrylonitrile	67	6.177	6.171	0.006	91	84861	10.0	9.72	
48 Chlorobromomethane	128	6.238	6.232	0.006	90	17318	1.00	0.9459	
49 Tetrahydrofuran	71	6.263	6.257	0.006	93	11413	5.00	4.53	
50 Chloroform	83	6.391	6.385	0.006	94	71473	1.00	0.9542	
$ 52 Dibromofluoromethane (Surr)	113	6.604	6.604	0.000	93	437636	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.616	6.616	0.000	42	66112	1.00	0.9411	
54 Cyclohexane	56	6.720	6.720	0.000	92	59226	1.00	0.9288	
56 Carbon tetrachloride	117	6.830	6.830	0.000	92	55633	1.00	0.9460	
55 1,1-Dichloropropene	75	6.842	6.836	0.006	92	52973	1.00	0.9367	
57 Isobutyl alcohol	41	7.000	6.988	0.012	91	18857	50.0	41.9	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.061	7.061	0.000	81	82376	10.0	10.0	
59 Benzene	78	7.098	7.098	0.000	96	151159	1.00	0.9212	
60 1,2-Dichloroethane	62	7.177	7.171	0.006	97	45348	1.00	0.9489	
63 Tert-amyl methyl ether	73	7.299	7.299	0.000	97	97049	1.00	0.9707	
* 64 Fluorobenzene (IS)	96	7.506	7.506	0.000	98	1719834	10.0	10.0	
65 n-Heptane	43	7.531	7.525	0.006	91	40112	1.00	0.9168	
67 n-Butanol	56	7.903	7.891	0.013	89	29168	87.5	81.4	
68 Trichloroethene	95	7.994	8.000	-0.006	98	42574	1.00	0.9196	
69 Methylcyclohexane	83	8.305	8.305	0.000	92	56858	1.00	0.9066	
70 1,2-Dichloropropane	63	8.323	8.329	-0.006	89	37054	1.00	0.9182	
71 2-ethoxy-2-methyl butane	87	8.348	8.342	0.006	94	59941	1.00	0.9296	
72 Methyl methacrylate	69	8.427	8.421	0.006	87	16441	1.00	0.9167	
73 1,4-Dioxane	88	8.439	8.433	0.006	55	1563	50.0	46.4	
74 Dibromomethane	93	8.445	8.439	0.006	95	19149	1.00	0.9795	
76 Dichlorobromomethane	83	8.683	8.677	0.006	98	51068	1.00	0.9489	
77 2-Nitropropane	41	8.945	8.939	0.006	99	30107	5.00	4.95	
79 1-Bromo-2-chloroethane	63	9.079	9.073	0.006	99	38584	1.00	0.9733	
80 cis-1,3-Dichloropropene	75	9.244	9.238	0.006	93	57433	1.00	0.9171	
82 4-Methyl-2-pentanone (MIBK)	43	9.421	9.421	0.000	97	210696	10.0	9.52	
$ 83 Toluene-d8 (Surr)	98	9.561	9.561	0.000	94	1724391	10.0	9.96	
84 Toluene	92	9.640	9.640	0.000	97	99695	1.00	0.9217	
85 trans-1,3-Dichloropropene	75	9.908	9.902	0.006	96	49058	1.00	0.9437	
104 Ethyl methacrylate	69	9.975	9.975	0.000	88	36821	1.00	0.9544	
S 105 1,3-Dichloropropene, Total	100				0			1.86	
106 1,1,2-Trichloroethane	97	10.116	10.116	0.000	91	26773	1.00	0.9831	
107 Tetrachloroethene	166	10.201	10.201	0.000	98	48288	1.00	0.9344	
108 1,3-Dichloropropane	76	10.280	10.280	0.000	91	44898	1.00	0.9624	
109 2-Hexanone	43	10.335	10.335	0.000	98	143316	10.0	9.73	
111 Chlorodibromomethane	129	10.500	10.500	0.000	90	34113	1.00	0.9392	
112 Ethylene Dibromide	107	10.609	10.609	0.000	98	24996	1.00	0.9521	
* 113 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	86	1309701	10.0	10.0	
114 1-Chlorohexane	91	11.060	11.061	-0.001	97	57045	1.00	0.9236	
115 Chlorobenzene	112	11.073	11.073	0.000	94	109152	1.00	0.9259	
116 1,1,1,2-Tetrachloroethane	131	11.158	11.158	0.000	93	39973	1.00	0.9303	
117 Ethylbenzene	91	11.164	11.164	0.000	99	193231	1.00	0.9172	
S 118 Xylenes, Total	106				0			2.77	
119 m-Xylene & p-Xylene	106	11.280	11.280	0.000	100	149357	2.00	1.84	
120 o-Xylene	106	11.615	11.609	0.006	95	74669	1.00	0.9356	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 Styrene	104	11.627	11.628	-0.001	94	116663	1.00	0.9040	
122 Bromoform	173	11.786	11.786	0.000	97	21153	1.00	0.9242	
123 Isopropylbenzene	105	11.914	11.914	0.000	96	178597	1.00	0.9119	
$ 126 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	91	645223	10.0	9.95	
127 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	94	30867	1.00	0.9261	
128 Bromobenzene	156	12.176	12.176	0.000	95	45967	1.00	0.9255	
129 trans-1,4-Dichloro-2-butene	53	12.188	12.188	0.000	96	84012	10.0	9.30	
130 1,2,3-Trichloropropane	110	12.207	12.207	0.000	80	8444	1.00	0.9480	
131 N-Propylbenzene	91	12.249	12.249	0.000	99	219857	1.00	0.9336	
132 2-Chlorotoluene	126	12.322	12.323	-0.001	96	45777	1.00	0.9285	
133 1,3,5-Trimethylbenzene	105	12.383	12.384	-0.001	95	159499	1.00	0.9349	
134 4-Chlorotoluene	126	12.420	12.414	0.006	98	46229	1.00	0.9179	
135 tert-Butylbenzene	134	12.627	12.627	0.000	93	37670	1.00	0.9673	
136 Pentachloroethane	167	12.658	12.658	0.000	92	30365	1.00	0.9563	
137 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	98	156430	1.00	0.9068	
138 sec-Butylbenzene	105	12.792	12.792	0.000	94	189434	1.00	0.9115	
139 1,3-Dichlorobenzene	146	12.889	12.890	-0.001	98	87918	1.00	0.9234	
140 4-Isopropyltoluene	119	12.902	12.902	0.000	97	166418	1.00	0.9092	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	728345	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.963	12.963	-0.001	95	89409	1.00	0.9308	
143 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	99	70965	1.00	0.9221	
144 Benzyl chloride	126	13.042	13.042	0.000	99	13031	1.00	0.9364	
145 p-Diethylbenzene	119	13.176	13.170	0.006	95	98173	1.00	0.9241	
146 n-Butylbenzene	92	13.194	13.194	0.000	98	74564	1.00	0.8978	
147 1,2-Dichlorobenzene	146	13.225	13.225	0.000	98	80283	1.00	0.9391	
149 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	84	4130	1.00	0.9377	
150 1,3,5-Trichlorobenzene	180	13.895	13.895	0.000	97	58149	1.00	0.9060	
151 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	93	45128	1.00	0.9087	
152 Hexachlorobutadiene	225	14.401	14.401	0.000	95	17738	1.00	0.9218	
153 Naphthalene	128	14.499	14.493	0.006	97	71397	1.00	0.9058	
154 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	94	31335	1.00	0.8870	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00099	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00174	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00108	Amount Added:	2.00	Units: uL	
MSV_LLcentISS_00009	Amount Added:	5.00	Units: uL	Run Reagent

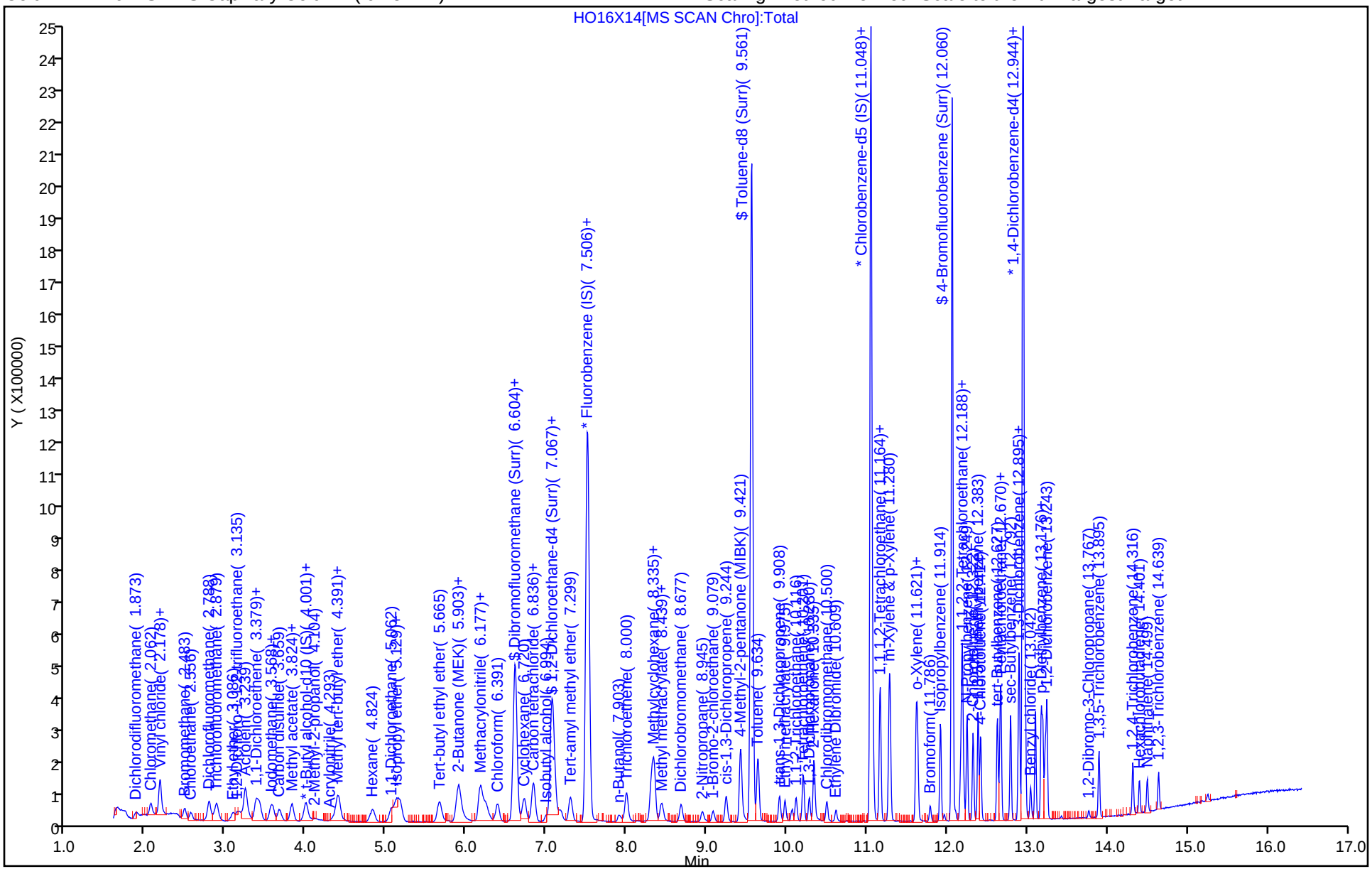
Report Date: 20-Oct-2023 13:25:08 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X14.D

Injection Date:	17-Oct-2023 08:23:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	IC std3 1			Worklist Smp#:	15
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

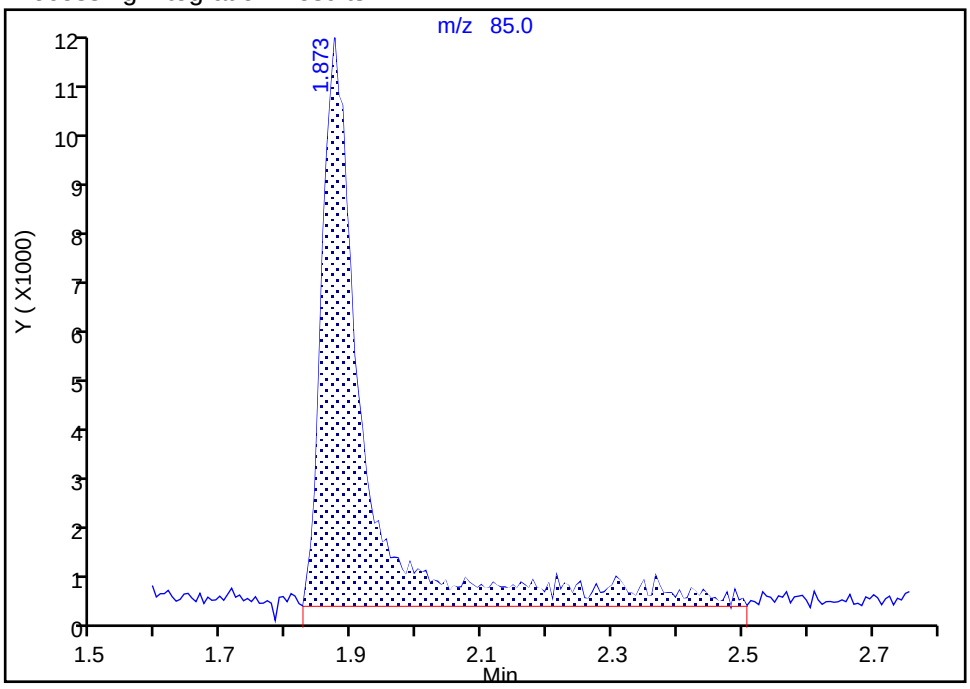
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X14.D				
Injection Date:	17-Oct-2023 08:23:30	Instrument ID:	19094		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

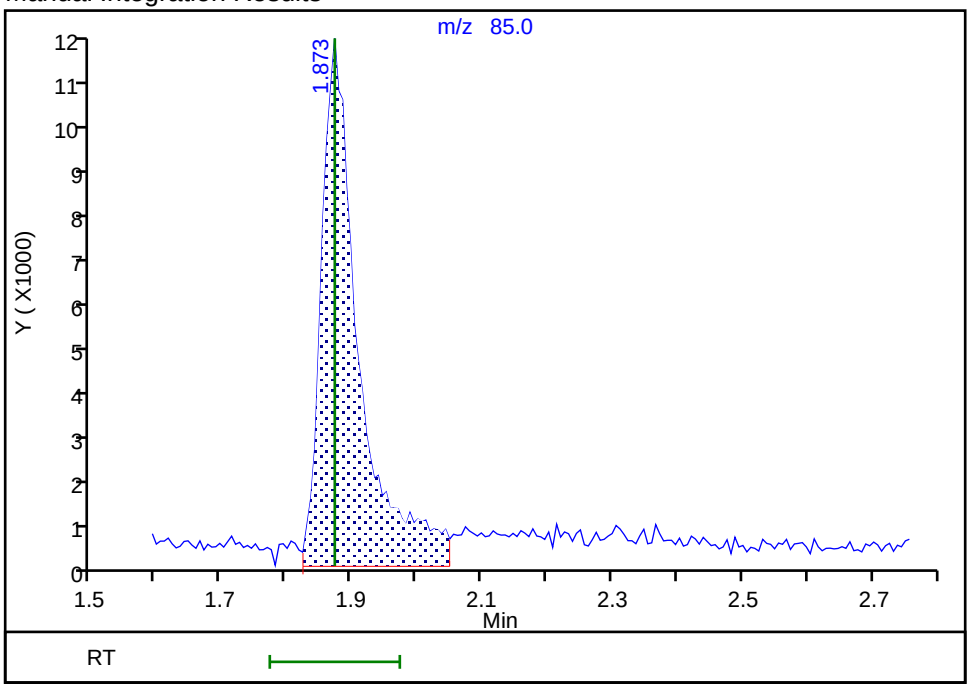
Processing Integration Results

RT: 1.87
Area: 52231
Amount: 1.010344
Amount Units: ug/l



Manual Integration Results

RT: 1.87
Area: 47180
Amount: 0.928231
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:33:42 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

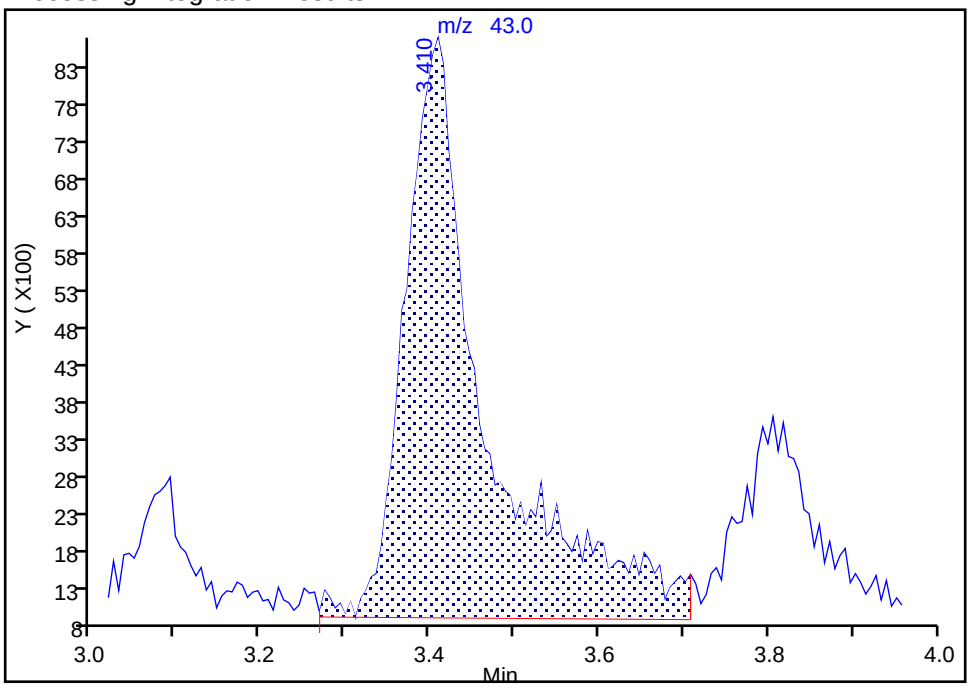
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X14.D				
Injection Date:	17-Oct-2023 08:23:30	Instrument ID:	19094		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

19 Acetone, CAS: 67-64-1

Signal: 1

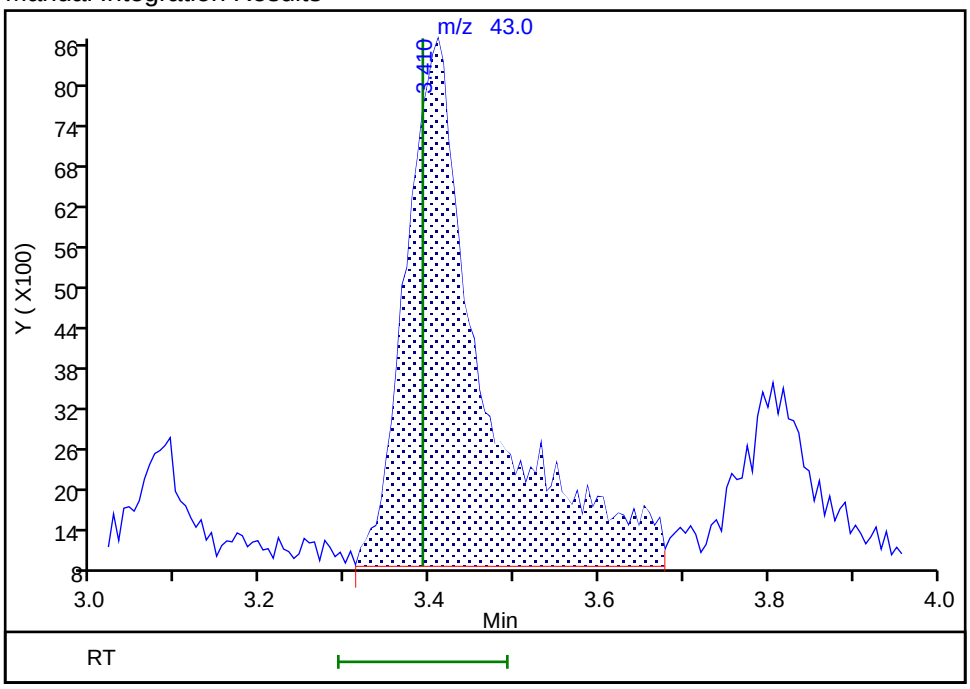
Processing Integration Results

RT: 3.41
Area: 51989
Amount: 9.337243
Amount Units: ug/l



Manual Integration Results

RT: 3.41
Area: 50266
Amount: 10.462653
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:34:06 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

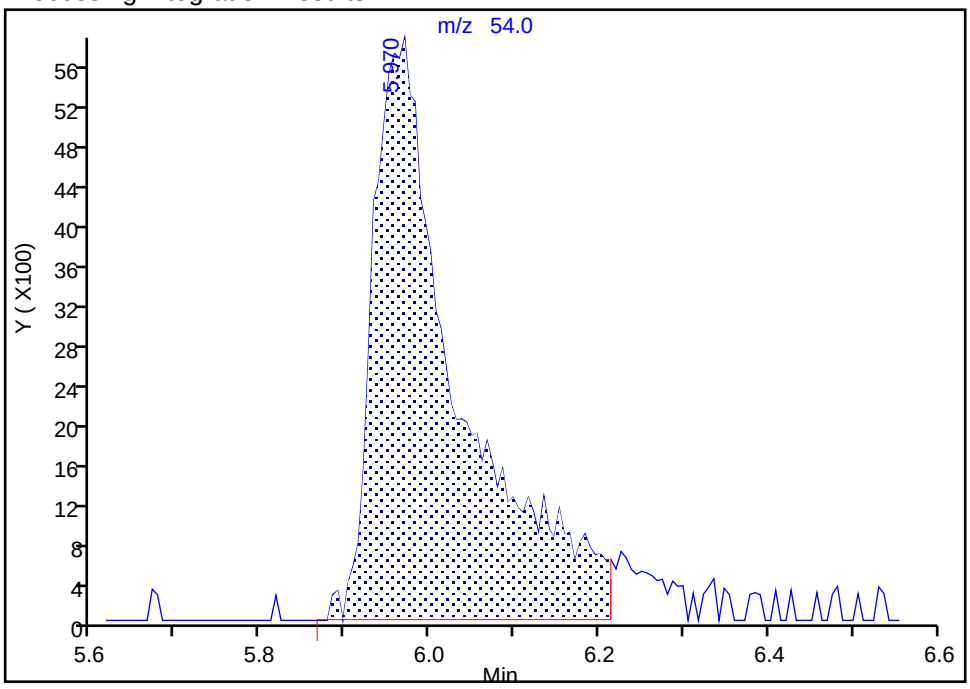
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X14.D				
Injection Date:	17-Oct-2023 08:23:30	Instrument ID:	19094		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

44 Propionitrile, CAS: 107-12-0

Signal: 1

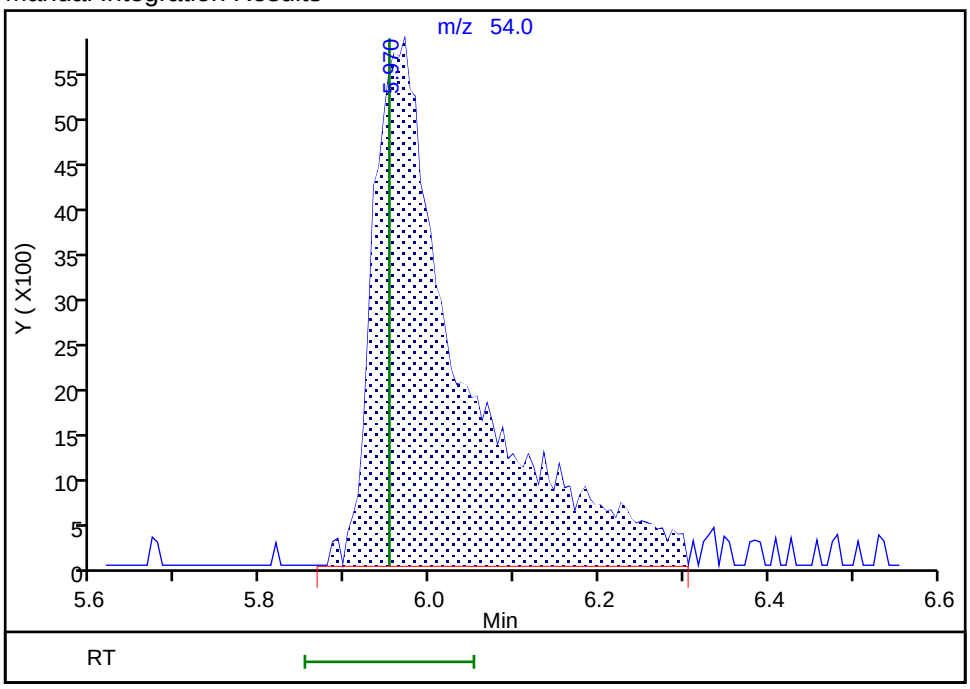
Processing Integration Results

RT: 5.97
Area: 41203
Amount: 18.975728
Amount Units: ug/l



Manual Integration Results

RT: 5.97
Area: 43536
Amount: 19.899835
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:34:25 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X15.D
Lims ID: IC std4 2
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 17-Oct-2023 08:43:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-016
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:25:16 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 18-Oct-2023 08:36:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.873	1.873	0.000	99	90377	2.00	1.75	M
5 Chloromethane	50	2.050	2.050	0.000	99	106532	2.00	1.88	
6 Vinyl chloride	62	2.166	2.166	0.000	98	99395	2.00	1.83	
7 Butadiene	39	2.172	2.172	0.000	94	106290	2.00	1.80	
9 Bromomethane	94	2.483	2.483	0.000	90	71849	2.00	1.86	
10 Chloroethane	64	2.562	2.562	0.000	99	57006	2.00	1.82	
11 Dichlorofluoromethane	67	2.782	2.782	0.000	97	161545	2.00	1.86	
12 Trichlorofluoromethane	101	2.849	2.849	0.000	98	117460	2.00	1.81	
14 Ethyl ether	59	3.080	3.080	0.000	92	55414	2.00	1.85	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.153	3.153	0.000	91	86730	2.00	1.86	
16 Acrolein	56	3.233	3.233	0.000	99	375617	100.0	99.4	
17 1,1-Dichloroethene	96	3.367	3.367	0.000	97	68446	2.00	1.87	
19 Acetone	43	3.391	3.391	0.000	90	90162	20.0	19.3	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.416	3.416	0.000	90	64086	2.00	1.91	
21 Iodomethane	142	3.556	3.556	0.000	100	139912	2.00	1.94	
22 Ethyl bromide	108	3.580	3.580	0.000	99	61398	2.00	1.88	
23 Carbon disulfide	76	3.659	3.659	0.000	100	193567	2.00	1.90	
24 Methyl acetate	43	3.794	3.794	0.000	75	23363	2.00	1.72	
26 3-Chloro-1-propene	41	3.818	3.818	0.000	89	117690	2.00	1.93	
27 Methylene Chloride	84	3.995	3.995	0.000	92	75109	2.00	1.94	
* 28 t-Butyl alcohol-d10 (IS)	65	3.989	3.989	0.000	96	77137	50.0	50.0	
29 2-Methyl-2-propanol	59	4.111	4.111	0.000	99	50526	40.0	36.6	
31 Acrylonitrile	53	4.324	4.324	0.000	95	30701	5.00	5.04	
32 Methyl tert-butyl ether	73	4.379	4.379	0.000	96	179688	2.00	1.95	
33 trans-1,2-Dichloroethene	96	4.391	4.391	0.000	98	77588	2.00	1.87	
34 Hexane	57	4.830	4.830	0.000	94	81655	2.00	1.81	
36 1,1-Dichloroethane	63	5.056	5.056	0.000	96	141100	2.00	1.91	
37 Isopropyl ether	45	5.123	5.123	0.000	95	237450	2.00	1.95	
38 2-Chloro-1,3-butadiene	53	5.171	5.171	0.000	93	127676	2.00	1.91	
40 Tert-butyl ethyl ether	59	5.659	5.659	0.000	98	229798	2.00	1.92	
41 2-Butanone (MEK)	43	5.872	5.872	0.000	100	164512	20.0	21.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	5.897	5.897	0.000	83	83892	2.00	1.80	
43 2,2-Dichloropropane	77	5.909	5.909	0.000	89	128858	2.00	1.88	
44 Propionitrile	54	5.958	5.958	0.000	99	73597	40.0	34.6	
S 46 1,2-Dichloroethene, Total	100				0			3.67	
47 Methacrylonitrile	67	6.171	6.171	0.000	91	165324	20.0	19.5	
48 Chlorobromomethane	128	6.238	6.238	0.000	95	36142	2.00	1.94	
49 Tetrahydrofuran	71	6.263	6.263	0.000	78	23233	10.0	9.49	
50 Chloroform	83	6.385	6.385	0.000	94	144654	2.00	1.90	
$ 52 Dibromofluoromethane (Surr)	113	6.604	6.604	0.000	94	445914	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.610	6.610	0.000	50	132836	2.00	1.86	
54 Cyclohexane	56	6.720	6.720	0.000	92	118477	2.00	1.83	
56 Carbon tetrachloride	117	6.830	6.830	0.000	94	114375	2.00	1.91	
55 1,1-Dichloropropene	75	6.836	6.836	0.000	91	108568	2.00	1.89	
57 Isobutyl alcohol	41	6.988	6.988	0.000	91	43149	100.0	98.7	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.061	7.061	0.000	81	83713	10.0	10.0	
59 Benzene	78	7.098	7.098	0.000	96	315674	2.00	1.89	
60 1,2-Dichloroethane	62	7.171	7.171	0.000	98	91322	2.00	1.88	
63 Tert-amyl methyl ether	73	7.299	7.299	0.000	97	196556	2.00	1.94	
* 64 Fluorobenzene (IS)	96	7.506	7.506	0.000	99	1746844	10.0	10.0	
65 n-Heptane	43	7.525	7.525	0.000	94	81488	2.00	1.83	
67 n-Butanol	56	7.896	7.896	0.000	90	55184	175.0	158.5	
68 Trichloroethene	95	7.994	7.994	0.000	97	87827	2.00	1.87	
69 Methylcyclohexane	83	8.305	8.305	0.000	91	116968	2.00	1.84	
70 1,2-Dichloropropane	63	8.329	8.329	0.000	94	80119	2.00	1.95	
71 2-ethoxy-2-methyl butane	87	8.342	8.342	0.000	94	126381	2.00	1.93	
72 Methyl methacrylate	69	8.421	8.421	0.000	90	33773	2.00	1.94	
73 1,4-Dioxane	88	8.427	8.427	0.000	31	5314	100.0	109.1	
74 Dibromomethane	93	8.439	8.439	0.000	94	39667	2.00	2.00	
76 Dichlorobromomethane	83	8.677	8.677	0.000	98	101988	2.00	1.87	
77 2-Nitropropane	41	8.939	8.939	0.000	99	62262	10.0	10.5	
79 1-Bromo-2-chloroethane	63	9.073	9.073	0.000	99	80483	2.00	2.00	
80 cis-1,3-Dichloropropene	75	9.238	9.238	0.000	94	123296	2.00	1.94	
82 4-Methyl-2-pentanone (MIBK)	43	9.421	9.421	0.000	97	431750	20.0	20.1	
$ 83 Toluene-d8 (Surr)	98	9.555	9.555	0.000	94	1748617	10.0	9.96	
84 Toluene	92	9.640	9.640	0.000	98	209943	2.00	1.91	
85 trans-1,3-Dichloropropene	75	9.902	9.902	0.000	96	102145	2.00	1.94	
104 Ethyl methacrylate	69	9.975	9.975	0.000	88	76587	2.00	1.96	
S 105 1,3-Dichloropropene, Total	100				0			3.88	
106 1,1,2-Trichloroethane	97	10.109	10.109	0.000	92	51528	2.00	1.87	
107 Tetrachloroethene	166	10.201	10.201	0.000	98	99577	2.00	1.90	
108 1,3-Dichloropropane	76	10.280	10.280	0.000	93	92167	2.00	1.95	
109 2-Hexanone	43	10.335	10.335	0.000	97	293326	20.0	20.5	
111 Chlorodibromomethane	129	10.500	10.500	0.000	90	71443	2.00	1.94	
112 Ethylene Dibromide	107	10.609	10.609	0.000	99	52137	2.00	1.96	
* 113 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	86	1328211	10.0	10.0	
114 1-Chlorohexane	91	11.060	11.060	0.000	98	114661	2.00	1.83	
115 Chlorobenzene	112	11.073	11.073	0.000	95	228565	2.00	1.91	
116 1,1,1,2-Tetrachloroethane	131	11.158	11.158	0.000	93	83742	2.00	1.92	
117 Ethylbenzene	91	11.164	11.164	0.000	99	406835	2.00	1.90	
S 118 Xylenes, Total	106				0			5.74	
119 m-Xylene & p-Xylene	106	11.280	11.280	0.000	100	315441	4.00	3.82	
120 o-Xylene	106	11.615	11.615	0.000	97	155466	2.00	1.92	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 Styrene	104	11.627	11.627	0.000	95	250467	2.00	1.91	
122 Bromoform	173	11.786	11.786	0.000	96	44849	2.00	1.93	
123 Isopropylbenzene	105	11.914	11.914	0.000	96	375955	2.00	1.89	
$ 126 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	91	661555	10.0	10.1	
127 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	93	64343	2.00	1.86	
128 Bromobenzene	156	12.176	12.176	0.000	97	98259	2.00	1.91	
129 trans-1,4-Dichloro-2-butene	53	12.188	12.188	0.000	94	179781	20.0	20.5	
130 1,2,3-Trichloropropane	110	12.207	12.207	0.000	81	17806	2.00	1.93	
131 N-Propylbenzene	91	12.249	12.249	0.000	99	463022	2.00	1.90	
132 2-Chlorotoluene	126	12.322	12.322	0.000	96	96650	2.00	1.89	
133 1,3,5-Trimethylbenzene	105	12.383	12.383	0.000	94	333908	2.00	1.89	
134 4-Chlorotoluene	126	12.420	12.420	0.000	98	99221	2.00	1.90	
135 tert-Butylbenzene	134	12.627	12.627	0.000	93	74192	2.00	1.84	
136 Pentachloroethane	167	12.658	12.658	0.000	92	64027	2.00	1.94	
137 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	336157	2.00	1.88	
138 sec-Butylbenzene	105	12.792	12.792	0.000	95	399783	2.00	1.85	
139 1,3-Dichlorobenzene	146	12.889	12.889	0.000	98	187826	2.00	1.90	
140 4-Isopropyltoluene	119	12.902	12.902	0.000	97	352439	2.00	1.86	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	755516	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.963	12.963	0.000	95	187339	2.00	1.88	
143 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	99	148580	2.00	1.86	
144 Benzyl chloride	126	13.042	13.042	0.000	99	28669	2.00	1.99	
145 p-Diethylbenzene	119	13.176	13.176	0.000	94	203228	2.00	1.84	
146 n-Butylbenzene	92	13.194	13.194	0.000	98	158862	2.00	1.84	
147 1,2-Dichlorobenzene	146	13.225	13.225	0.000	98	165991	2.00	1.87	
149 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	86	8968	2.00	1.96	
150 1,3,5-Trichlorobenzene	180	13.895	13.895	0.000	98	122993	2.00	1.85	
151 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	94941	2.00	1.84	
152 Hexachlorobutadiene	225	14.401	14.401	0.000	95	35341	2.00	1.77	
153 Naphthalene	128	14.499	14.499	0.000	97	153733	2.00	1.88	
154 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	94	65209	2.00	1.78	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00099	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00174	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00108	Amount Added:	2.00	Units: uL	
MSV_LLcentISS_00009	Amount Added:	5.00	Units: uL	Run Reagent

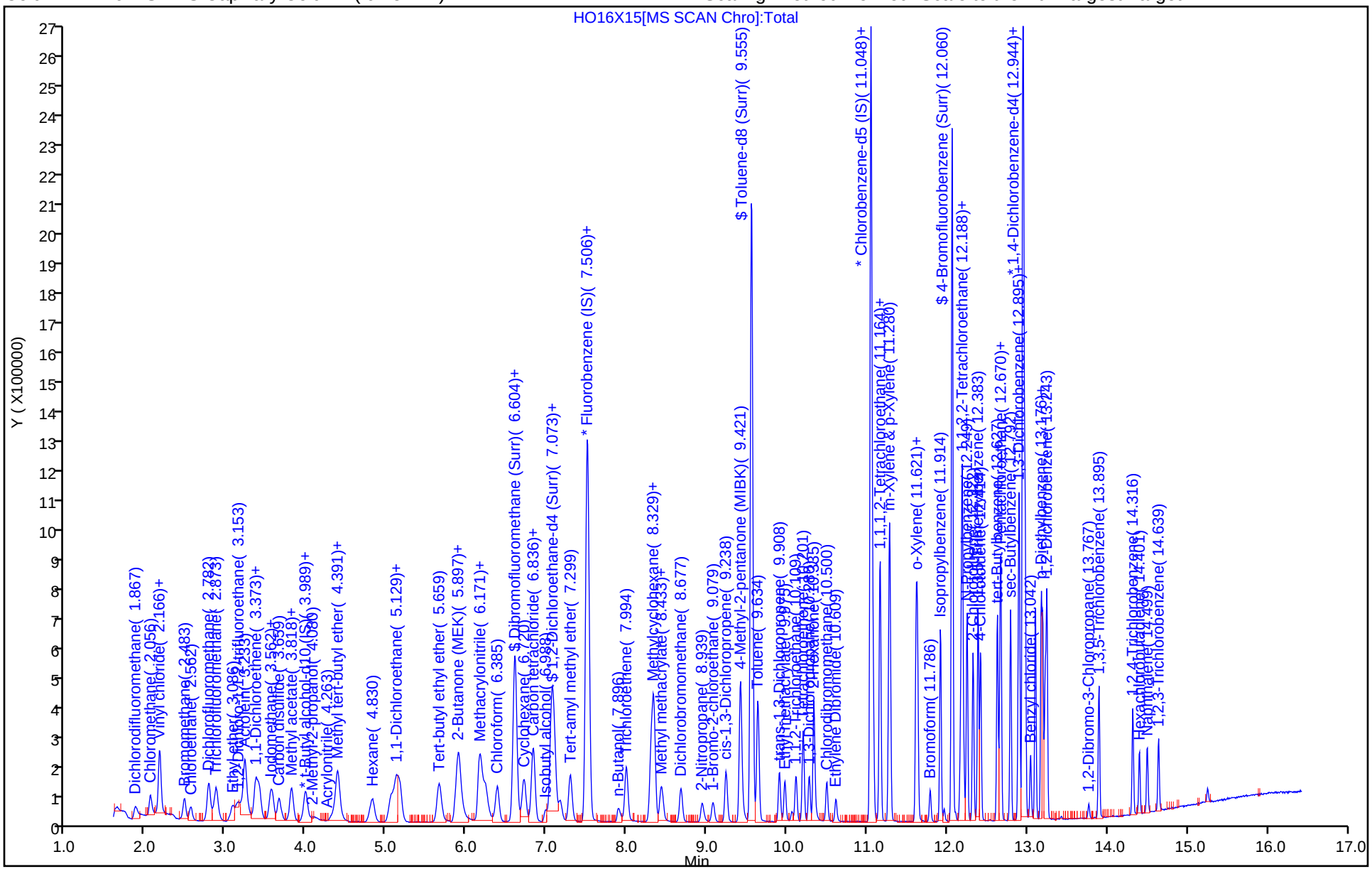
Report Date: 20-Oct-2023 13:25:17 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X15.D

Injection Date:	17-Oct-2023 08:43:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	IC std4 2			Worklist Smp#:	16
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

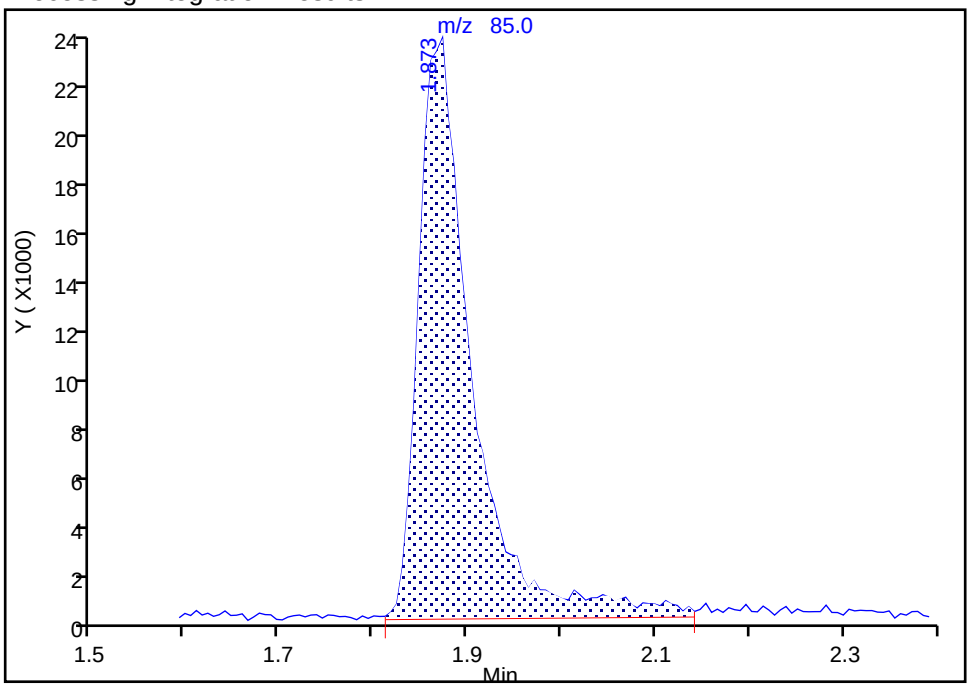
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X15.D				
Injection Date:	17-Oct-2023 08:43:30	Instrument ID:	19094		
Lims ID:	IC std4 2				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

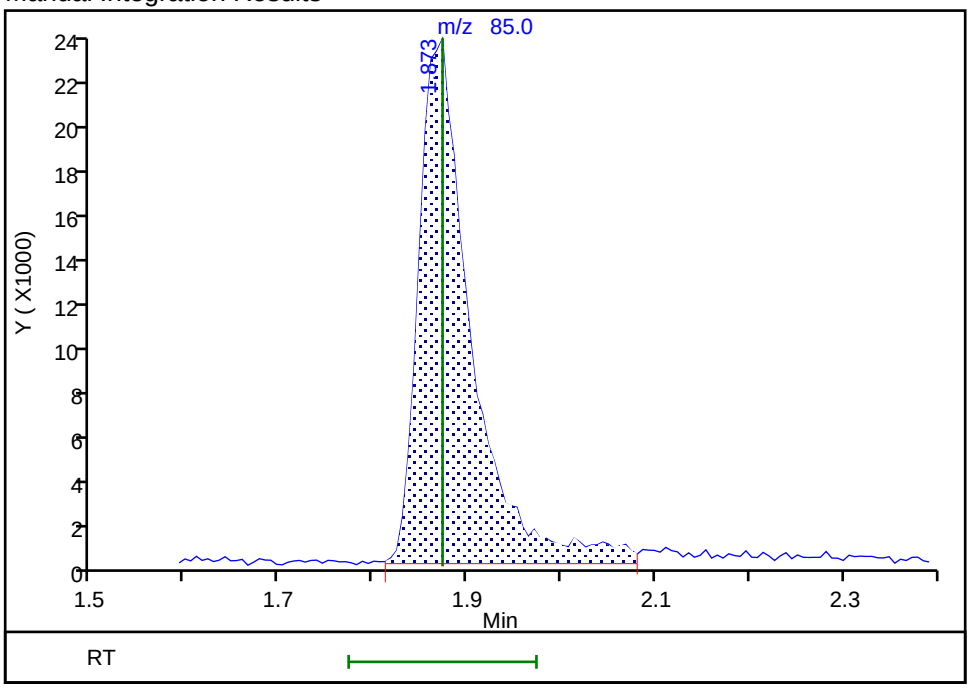
Processing Integration Results

RT: 1.87
Area: 91246
Amount: 1.762347
Amount Units: ug/l



Manual Integration Results

RT: 1.87
Area: 90377
Amount: 1.750607
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:35:29 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X16.D
Lims ID: IC std5 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 17-Oct-2023 09:03:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-017
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:25:24 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 18-Oct-2023 08:37:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.873	1.873	0.000	99	269784	5.00	5.16	
5 Chloromethane	50	2.062	2.050	0.012	99	293765	5.00	5.12	
6 Vinyl chloride	62	2.172	2.166	0.006	98	282735	5.00	5.14	
7 Butadiene	39	2.178	2.172	0.006	93	292220	5.00	4.90	
9 Bromomethane	94	2.489	2.483	0.006	92	204743	5.00	5.23	
10 Chloroethane	64	2.562	2.562	0.000	99	163220	5.00	5.14	
11 Dichlorofluoromethane	67	2.788	2.782	0.006	97	452713	5.00	5.15	
12 Trichlorofluoromethane	101	2.861	2.849	0.012	97	346496	5.00	5.26	
14 Ethyl ether	59	3.080	3.080	0.000	92	143660	5.00	4.73	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.166	3.153	0.013	92	245902	5.00	5.20	
16 Acrolein	56	3.233	3.233	0.000	99	1041124	250.0	269.4	
17 1,1-Dichloroethene	96	3.373	3.367	0.006	98	181453	5.00	4.91	
19 Acetone	43	3.397	3.391	0.006	99	242560	50.0	50.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.422	3.416	0.006	92	184393	5.00	5.42	
21 Iodomethane	142	3.556	3.556	0.000	100	385400	5.00	5.28	
22 Ethyl bromide	108	3.586	3.580	0.006	99	172221	5.00	5.21	
23 Carbon disulfide	76	3.666	3.659	0.007	100	540550	5.00	5.25	
24 Methyl acetate	43	3.806	3.794	0.012	97	69702	5.00	5.01	
26 3-Chloro-1-propene	41	3.824	3.818	0.006	88	318387	5.00	5.15	
* 28 t-Butyl alcohol-d10 (IS)	65	4.001	3.989	0.012	98	78879	50.0	50.0	
27 Methylene Chloride	84	4.001	3.995	0.006	93	200041	5.00	5.10	
29 2-Methyl-2-propanol	59	4.117	4.111	0.006	100	130999	100.0	92.7	
31 Acrylonitrile	53	4.318	4.324	-0.006	96	83924	12.5	13.5	
32 Methyl tert-butyl ether	73	4.391	4.379	0.012	91	481655	5.00	5.17	
33 trans-1,2-Dichloroethene	96	4.397	4.391	0.006	98	208242	5.00	4.96	
34 Hexane	57	4.830	4.830	0.000	94	238153	5.00	5.23	
36 1,1-Dichloroethane	63	5.056	5.056	0.000	96	394881	5.00	5.28	
37 Isopropyl ether	45	5.123	5.123	0.000	94	653775	5.00	5.31	
38 2-Chloro-1,3-butadiene	53	5.172	5.171	0.001	93	354098	5.00	5.24	
40 Tert-butyl ethyl ether	59	5.665	5.659	0.006	98	623332	5.00	5.14	
41 2-Butanone (MEK)	43	5.873	5.872	0.001	100	416096	50.0	53.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	5.897	5.897	0.000	83	237306	5.00	5.04	
43 2,2-Dichloropropane	77	5.915	5.909	0.006	89	363968	5.00	5.25	
44 Propionitrile	54	5.952	5.958	-0.006	99	221902	100.0	102.1	
S 46 1,2-Dichloroethene, Total	100				0			10.0	
47 Methacrylonitrile	67	6.177	6.171	0.006	91	460779	50.0	53.1	
48 Chlorobromomethane	128	6.238	6.238	0.000	90	99299	5.00	5.28	
49 Tetrahydrofuran	71	6.275	6.263	0.012	74	62153	25.0	24.8	
50 Chloroform	83	6.391	6.385	0.006	94	401062	5.00	5.21	
$ 52 Dibromofluoromethane (Surr)	113	6.610	6.604	0.006	93	446285	10.0	9.96	
53 1,1,1-Trichloroethane	97	6.616	6.610	0.006	98	363673	5.00	5.04	
54 Cyclohexane	56	6.720	6.720	0.000	92	322054	5.00	4.91	
56 Carbon tetrachloride	117	6.836	6.830	0.006	95	322102	5.00	5.33	
55 1,1-Dichloropropene	75	6.836	6.836	0.000	92	305524	5.00	5.26	
57 Isobutyl alcohol	41	6.994	6.988	0.006	93	118894	250.0	265.9	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.067	7.061	0.006	96	84004	10.0	9.95	
59 Benzene	78	7.098	7.098	0.000	97	884849	5.00	5.25	
60 1,2-Dichloroethane	62	7.171	7.171	0.000	98	252595	5.00	5.14	
63 Tert-amyl methyl ether	73	7.299	7.299	0.000	98	540680	5.00	5.26	
* 64 Fluorobenzene (IS)	96	7.513	7.506	0.007	98	1767939	10.0	10.0	
65 n-Heptane	43	7.525	7.525	0.000	92	226574	5.00	5.04	
67 n-Butanol	56	7.890	7.896	-0.006	90	157550	437.5	442.5	
68 Trichloroethene	95	7.994	7.994	0.000	97	241889	5.00	5.08	
69 Methylcyclohexane	83	8.305	8.305	0.000	91	332915	5.00	5.16	
70 1,2-Dichloropropane	63	8.329	8.329	0.000	93	219159	5.00	5.28	
71 2-ethoxy-2-methyl butane	87	8.342	8.342	0.000	93	350008	5.00	5.28	
72 Methyl methacrylate	69	8.421	8.421	0.000	89	91782	5.00	5.15	
73 1,4-Dioxane	88	8.439	8.427	0.012	30	14378	250.0	253.6	
74 Dibromomethane	93	8.439	8.439	0.000	94	108172	5.00	5.38	
76 Dichlorobromomethane	83	8.677	8.677	0.000	99	283768	5.00	5.13	
77 2-Nitropropane	41	8.945	8.939	0.006	99	164849	25.0	27.3	
79 1-Bromo-2-chloroethane	63	9.079	9.073	0.006	99	212267	5.00	5.21	
80 cis-1,3-Dichloropropene	75	9.238	9.238	0.000	94	344128	5.00	5.35	
82 4-Methyl-2-pentanone (MIBK)	43	9.421	9.421	0.000	97	1161884	50.0	52.8	
$ 83 Toluene-d8 (Surr)	98	9.561	9.555	0.006	94	1774999	10.0	10.1	
84 Toluene	92	9.640	9.640	0.000	98	579879	5.00	5.27	
85 trans-1,3-Dichloropropene	75	9.902	9.902	0.000	96	280170	5.00	5.29	
104 Ethyl methacrylate	69	9.975	9.975	0.000	88	213843	5.00	5.44	
S 105 1,3-Dichloropropene, Total	100				0			10.6	
106 1,1,2-Trichloroethane	97	10.116	10.109	0.007	92	146211	5.00	5.27	
107 Tetrachloroethene	166	10.201	10.201	0.000	98	279523	5.00	5.31	
108 1,3-Dichloropropane	76	10.280	10.280	0.000	92	252396	5.00	5.31	
109 2-Hexanone	43	10.335	10.335	0.000	97	796852	50.0	54.4	
111 Chlorodibromomethane	129	10.500	10.500	0.000	90	197684	5.00	5.35	
112 Ethylene Dibromide	107	10.609	10.609	0.000	99	143307	5.00	5.36	
* 113 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	87	1333491	10.0	10.0	
114 1-Chlorohexane	91	11.061	11.060	0.001	98	318107	5.00	5.06	
115 Chlorobenzene	112	11.073	11.073	0.000	94	637795	5.00	5.31	
116 1,1,1,2-Tetrachloroethane	131	11.158	11.158	0.000	95	234270	5.00	5.36	
117 Ethylbenzene	91	11.164	11.164	0.000	99	1143402	5.00	5.33	
S 118 Xylenes, Total	106				0			16.2	
119 m-Xylene & p-Xylene	106	11.280	11.280	0.000	100	896495	10.0	10.8	
120 o-Xylene	106	11.609	11.615	-0.006	97	434748	5.00	5.35	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 Styrene	104	11.628	11.627	0.001	95	709117	5.00	5.40	
122 Bromoform	173	11.786	11.786	0.000	97	121808	5.00	5.23	
123 Isopropylbenzene	105	11.914	11.914	0.000	96	1070240	5.00	5.37	
$ 126 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	92	659508	10.0	10.0	
127 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	93	174174	5.00	5.05	
128 Bromobenzene	156	12.176	12.176	0.000	97	273415	5.00	5.32	
129 trans-1,4-Dichloro-2-butene	53	12.188	12.188	0.000	94	486532	50.0	54.2	
130 1,2,3-Trichloropropane	110	12.207	12.207	0.000	82	47572	5.00	5.16	
131 N-Propylbenzene	91	12.249	12.249	0.000	99	1325546	5.00	5.44	
132 2-Chlorotoluene	126	12.323	12.322	0.001	96	273969	5.00	5.37	
133 1,3,5-Trimethylbenzene	105	12.384	12.383	0.001	95	942099	5.00	5.34	
134 4-Chlorotoluene	126	12.414	12.420	-0.006	98	282160	5.00	5.41	
135 tert-Butylbenzene	134	12.627	12.627	0.000	93	209234	5.00	5.19	
136 Pentachloroethane	167	12.658	12.658	0.000	92	179069	5.00	5.45	
137 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	959866	5.00	5.38	
138 sec-Butylbenzene	105	12.792	12.792	0.000	94	1147529	5.00	5.34	
139 1,3-Dichlorobenzene	146	12.890	12.889	0.001	98	531270	5.00	5.39	
140 4-Isopropyltoluene	119	12.902	12.902	0.000	97	1018163	5.00	5.38	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	753615	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.963	12.963	0.000	94	527414	5.00	5.31	
143 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	99	420731	5.00	5.28	
144 Benzyl chloride	126	13.042	13.042	0.000	99	77368	5.00	5.37	
145 p-Diethylbenzene	119	13.170	13.176	-0.006	95	600726	5.00	5.46	
146 n-Butylbenzene	92	13.194	13.194	0.000	98	466594	5.00	5.43	
147 1,2-Dichlorobenzene	146	13.225	13.225	0.000	98	476507	5.00	5.39	
149 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	87	25588	5.00	5.61	
150 1,3,5-Trichlorobenzene	180	13.895	13.895	0.000	97	364821	5.00	5.49	
151 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	287606	5.00	5.60	
152 Hexachlorobutadiene	225	14.401	14.401	0.000	96	107924	5.00	5.42	
153 Naphthalene	128	14.493	14.499	-0.006	97	447944	5.00	5.49	
154 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	95	203417	5.00	5.57	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

MSV_LL_#1_826_00099	Amount Added:	5.00	Units: uL	
MSV_LL_GAS826_00174	Amount Added:	5.00	Units: uL	
MSV_LL_#2_826_00108	Amount Added:	5.00	Units: uL	
MSV_LLcentISS_00009	Amount Added:	5.00	Units: uL	Run Reagent

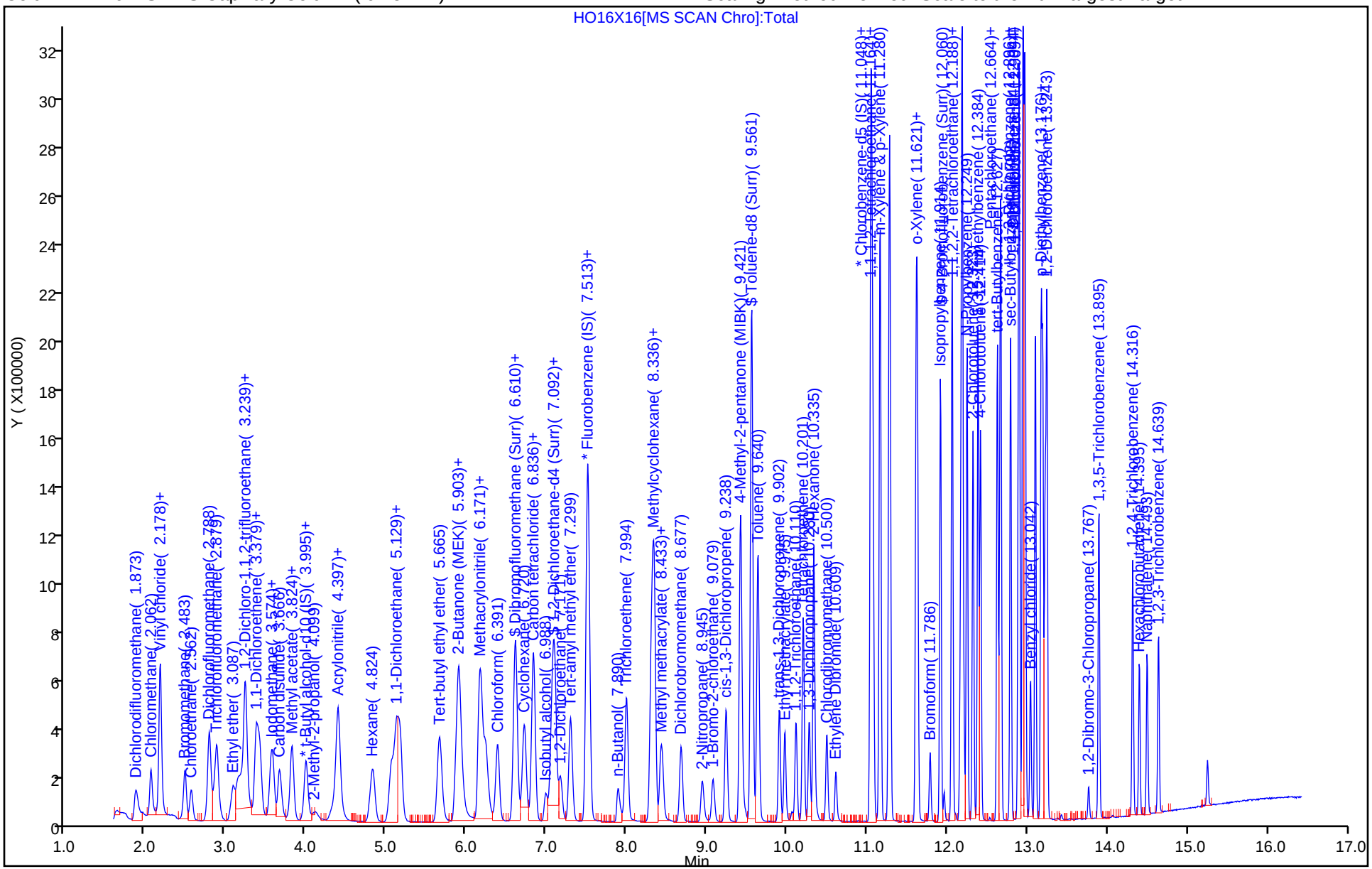
Report Date: 20-Oct-2023 13:25:25 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X16.D

Injection Date:	17-Oct-2023 09:03:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	IC std5 5			Worklist Smp#:	17
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X17.D
Lims ID: ICIS 10
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 17-Oct-2023 09:23:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-018
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:25:59 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 17-Oct-2023 12:22:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.873	1.873	0.000	99	507209	10.0	9.58	M
5 Chloromethane	50	2.056	2.056	0.000	99	564233	10.0	9.71	
6 Vinyl chloride	62	2.172	2.172	0.000	98	553589	10.0	9.93	
7 Butadiene	39	2.178	2.178	0.000	93	560540	10.0	9.27	
9 Bromomethane	94	2.483	2.483	0.000	92	401381	10.0	10.1	
10 Chloroethane	64	2.562	2.562	0.000	100	325286	10.0	10.1	
11 Dichlorofluoromethane	67	2.788	2.788	0.000	97	884888	10.0	9.95	
12 Trichlorofluoromethane	101	2.855	2.855	0.000	98	673647	10.0	10.1	
14 Ethyl ether	59	3.080	3.080	0.000	91	280429	10.0	9.11	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.160	3.160	0.000	93	481778	10.0	10.1	
16 Acrolein	56	3.239	3.239	0.000	99	2058814	500.0	500.5	
17 1,1-Dichloroethene	96	3.373	3.373	0.000	98	351395	10.0	9.39	
19 Acetone	43	3.391	3.391	0.000	99	481459	100.0	94.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.416	3.416	0.000	92	360550	10.0	10.5	
21 Iodomethane	142	3.556	3.556	0.000	100	758656	10.0	10.3	
22 Ethyl bromide	108	3.580	3.580	0.000	99	333791	10.0	9.96	
23 Carbon disulfide	76	3.666	3.666	0.000	100	1064212	10.0	10.2	
24 Methyl acetate	43	3.800	3.800	0.000	97	145164	10.0	9.80	M
26 3-Chloro-1-propene	41	3.818	3.818	0.000	89	627191	10.0	10.0	
* 28 t-Butyl alcohol-d10 (IS)	65	3.995	3.995	0.000	98	83963	50.0	50.0	
27 Methylene Chloride	84	3.995	3.995	0.000	93	389393	10.0	9.80	
29 2-Methyl-2-propanol	59	4.111	4.111	0.000	99	270754	200.0	180.0	M
31 Acrylonitrile	53	4.312	4.312	0.000	99	168087	25.0	25.3	
32 Methyl tert-butyl ether	73	4.391	4.391	0.000	97	936741	10.0	9.93	
33 trans-1,2-Dichloroethene	96	4.397	4.397	0.000	98	415667	10.0	9.77	
34 Hexane	57	4.824	4.824	0.000	94	468454	10.0	10.2	
36 1,1-Dichloroethane	63	5.056	5.056	0.000	96	771595	10.0	10.2	
37 Isopropyl ether	45	5.123	5.123	0.000	93	1265608	10.0	10.1	
38 2-Chloro-1,3-butadiene	53	5.172	5.172	0.000	93	693459	10.0	10.1	
40 Tert-butyl ethyl ether	59	5.665	5.665	0.000	98	1210160	10.0	9.86	
41 2-Butanone (MEK)	43	5.873	5.873	0.000	100	858081	100.0	103.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	5.897	5.897	0.000	84	463373	10.0	9.71	
43 2,2-Dichloropropane	77	5.909	5.909	0.000	89	700054	10.0	9.97	
44 Propionitrile	54	5.952	5.952	0.000	99	453768	200.0	196.1	
47 Methacrylonitrile	67	6.171	6.171	0.000	92	896260	100.0	97.0	
48 Chlorobromomethane	128	6.232	6.232	0.000	93	197344	10.0	10.4	
49 Tetrahydrofuran	71	6.257	6.257	0.000	77	119685	50.0	44.9	
50 Chloroform	83	6.385	6.385	0.000	94	777655	10.0	9.97	
$ 52 Dibromofluoromethane (Surr)	113	6.604	6.604	0.000	94	452725	10.0	9.98	
53 1,1,1-Trichloroethane	97	6.616	6.616	0.000	99	713756	10.0	9.76	
54 Cyclohexane	56	6.720	6.720	0.000	91	627140	10.0	9.45	
56 Carbon tetrachloride	117	6.830	6.830	0.000	93	630044	10.0	10.3	
55 1,1-Dichloropropene	75	6.836	6.836	0.000	95	603402	10.0	10.2	
57 Isobutyl alcohol	41	6.988	6.988	0.000	93	243164	500.0	510.9	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.061	7.061	0.000	82	86260	10.0	10.1	
59 Benzene	78	7.098	7.098	0.000	97	1739533	10.0	10.2	
60 1,2-Dichloroethane	62	7.171	7.171	0.000	98	495374	10.0	9.95	
63 Tert-amyl methyl ether	73	7.299	7.299	0.000	97	1049210	10.0	10.1	
* 64 Fluorobenzene (IS)	96	7.513	7.513	0.000	97	1790766	10.0	10.0	
65 n-Heptane	43	7.525	7.525	0.000	92	457520	10.0	10.0	a
67 n-Butanol	56	7.891	7.891	0.000	90	322813	875.0	851.8	
68 Trichloroethene	95	8.000	8.000	0.000	98	477276	10.0	9.90	
69 Methylcyclohexane	83	8.305	8.305	0.000	91	655108	10.0	10.0	
70 1,2-Dichloropropane	63	8.329	8.329	0.000	84	434187	10.0	10.3	
71 2-ethoxy-2-methyl butane	87	8.342	8.342	0.000	92	684492	10.0	10.2	
72 Methyl methacrylate	69	8.421	8.421	0.000	89	186286	10.0	9.82	
73 1,4-Dioxane	88	8.433	8.433	0.000	31	32606	500.0	516.1	M
74 Dibromomethane	93	8.439	8.439	0.000	95	212223	10.0	10.4	
76 Dichlorobromomethane	83	8.677	8.677	0.000	99	565218	10.0	10.1	
77 2-Nitropropane	41	8.939	8.939	0.000	99	327671	50.0	50.9	
79 1-Bromo-2-chloroethane	63	9.073	9.073	0.000	99	420542	10.0	10.2	
80 cis-1,3-Dichloropropene	75	9.238	9.238	0.000	94	675489	10.0	10.4	
82 4-Methyl-2-pentanone (MIBK)	43	9.421	9.421	0.000	97	2303046	100.0	98.4	
$ 83 Toluene-d8 (Surr)	98	9.561	9.561	0.000	94	1796445	10.0	10.0	
84 Toluene	92	9.640	9.640	0.000	98	1142311	10.0	10.2	
85 trans-1,3-Dichloropropene	75	9.902	9.902	0.000	96	557232	10.0	10.3	
104 Ethyl methacrylate	69	9.975	9.975	0.000	88	421239	10.0	10.5	
106 1,1,2-Trichloroethane	97	10.116	10.116	0.000	92	282069	10.0	9.98	
107 Tetrachloroethene	166	10.201	10.201	0.000	98	546346	10.0	10.2	
108 1,3-Dichloropropane	76	10.280	10.280	0.000	91	495565	10.0	10.2	
109 2-Hexanone	43	10.335	10.335	0.000	97	1568973	100.0	100.7	
111 Chlorodibromomethane	129	10.500	10.500	0.000	90	391692	10.0	10.4	
112 Ethylene Dibromide	107	10.609	10.609	0.000	99	281663	10.0	10.3	
* 113 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	87	1358954	10.0	10.0	
114 1-Chlorohexane	91	11.061	11.061	0.000	98	622571	10.0	9.71	
115 Chlorobenzene	112	11.073	11.073	0.000	95	1251390	10.0	10.2	
116 1,1,1,2-Tetrachloroethane	131	11.158	11.158	0.000	95	459904	10.0	10.3	
117 Ethylbenzene	91	11.164	11.164	0.000	99	2242763	10.0	10.3	
119 m-Xylene & p-Xylene	106	11.280	11.280	0.000	100	1757894	20.0	20.8	
120 o-Xylene	106	11.609	11.609	0.000	97	858645	10.0	10.4	
121 Styrene	104	11.628	11.628	0.000	95	1399608	10.0	10.5	
122 Bromoform	173	11.786	11.786	0.000	97	243995	10.0	10.3	
123 Isopropylbenzene	105	11.914	11.914	0.000	96	2111260	10.0	10.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 126 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	92	670074	10.0	9.96	
127 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	93	348020	10.0	9.83	
128 Bromobenzene	156	12.176	12.176	0.000	97	536338	10.0	10.2	
129 trans-1,4-Dichloro-2-butene	53	12.188	12.188	0.000	94	974662	100.0	102.0	
130 1,2,3-Trichloropropane	110	12.207	12.207	0.000	81	93674	10.0	9.90	
131 N-Propylbenzene	91	12.249	12.249	0.000	99	2617024	10.0	10.5	
132 2-Chlorotoluene	126	12.323	12.323	0.000	96	540390	10.0	10.3	
133 1,3,5-Trimethylbenzene	105	12.384	12.384	0.000	94	1866045	10.0	10.3	
134 4-Chlorotoluene	126	12.414	12.414	0.000	98	557795	10.0	10.4	
135 tert-Butylbenzene	134	12.627	12.627	0.000	93	416802	10.0	10.1	
136 Pentachloroethane	167	12.658	12.658	0.000	92	356890	10.0	10.6	
137 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	1895362	10.0	10.3	
138 sec-Butylbenzene	105	12.792	12.792	0.000	94	2295397	10.0	10.4	
139 1,3-Dichlorobenzene	146	12.890	12.890	0.000	98	1050300	10.0	10.4	
140 4-Isopropyltoluene	119	12.902	12.902	0.000	97	2039325	10.0	10.5	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	773685	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.963	12.963	0.000	93	1044640	10.0	10.2	
143 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	99	830627	10.0	10.2	
144 Benzyl chloride	126	13.042	13.042	0.000	99	155081	10.0	10.5	
145 p-Diethylbenzene	119	13.170	13.170	0.000	96	1202568	10.0	10.7	
146 n-Butylbenzene	92	13.194	13.194	0.000	98	938789	10.0	10.6	
147 1,2-Dichlorobenzene	146	13.225	13.225	0.000	98	938103	10.0	10.3	
149 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	86	52436	10.0	11.2	
150 1,3,5-Trichlorobenzene	180	13.895	13.895	0.000	97	736563	10.0	10.8	
151 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	599055	10.0	11.4	
152 Hexachlorobutadiene	225	14.401	14.401	0.000	95	213022	10.0	10.4	
153 Naphthalene	128	14.493	14.493	0.000	97	946293	10.0	11.3	
154 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	95	443087	10.0	11.8	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00099	Amount Added:	10.00	Units: uL	
MSV_LL_GAS826_00174	Amount Added:	10.00	Units: uL	
MSV_LL_#2_826_00108	Amount Added:	10.00	Units: uL	
MSV_LLcentISS_00009	Amount Added:	5.00	Units: uL	Run Reagent

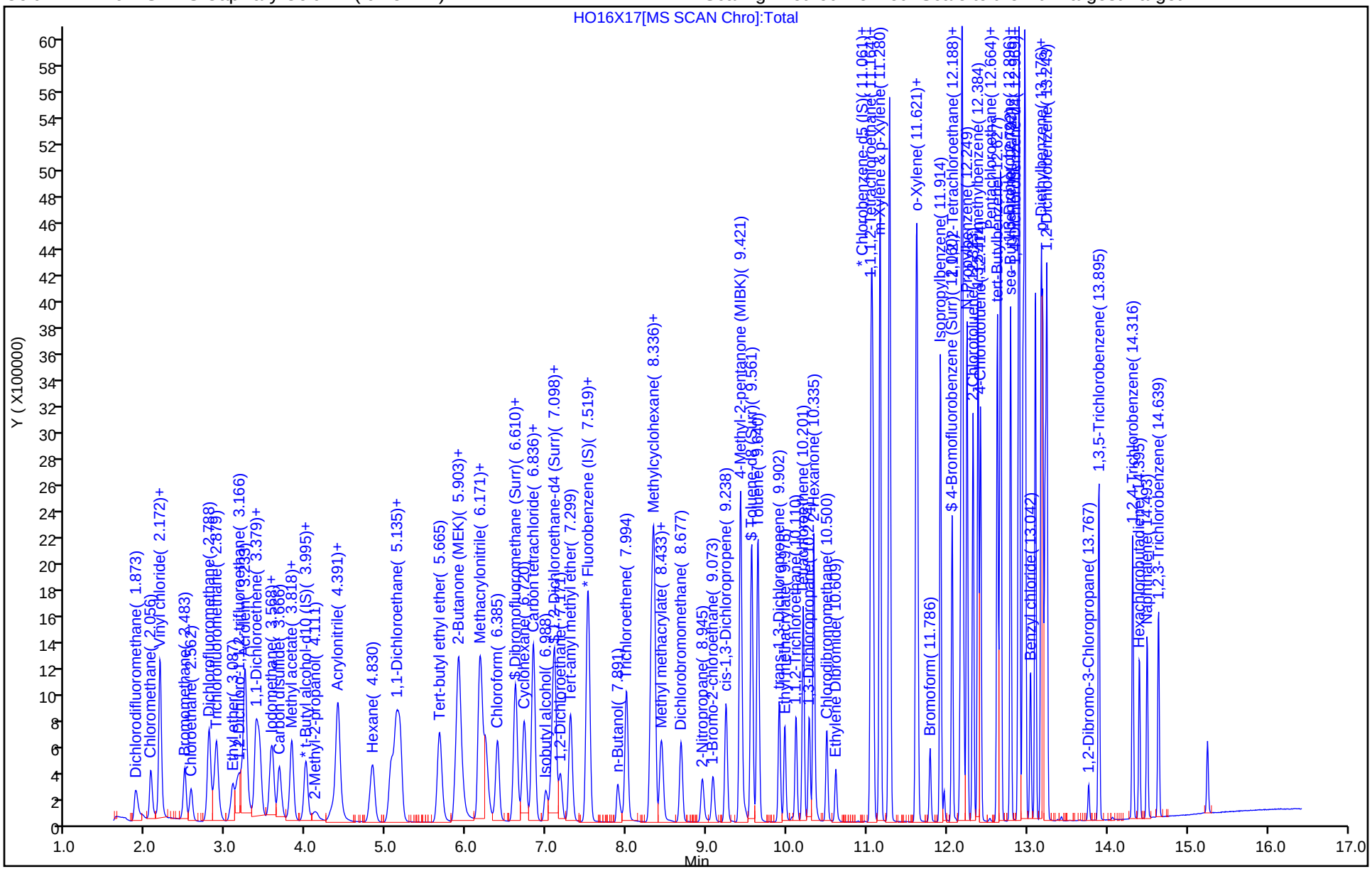
Report Date: 20-Oct-2023 13:26:00 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X17.D

Injection Date:	17-Oct-2023 09:23:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	ICIS 10			Worklist Smp#:	18
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



03/29/2024

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

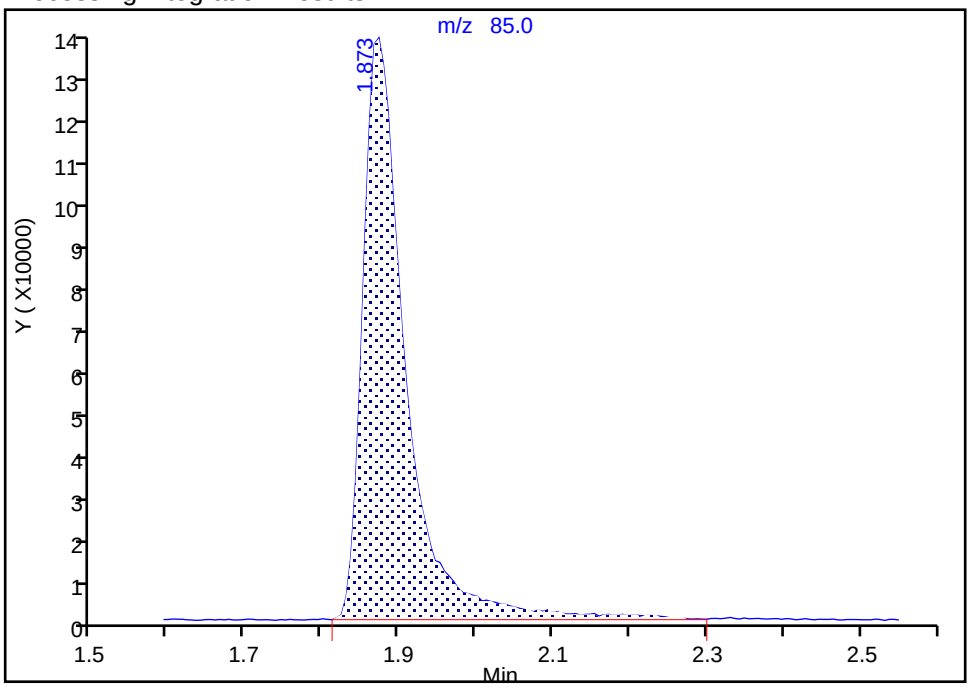
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X17.D				
Injection Date:	17-Oct-2023 09:23:30	Instrument ID:	19094		
Lims ID:	ICIS 10				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

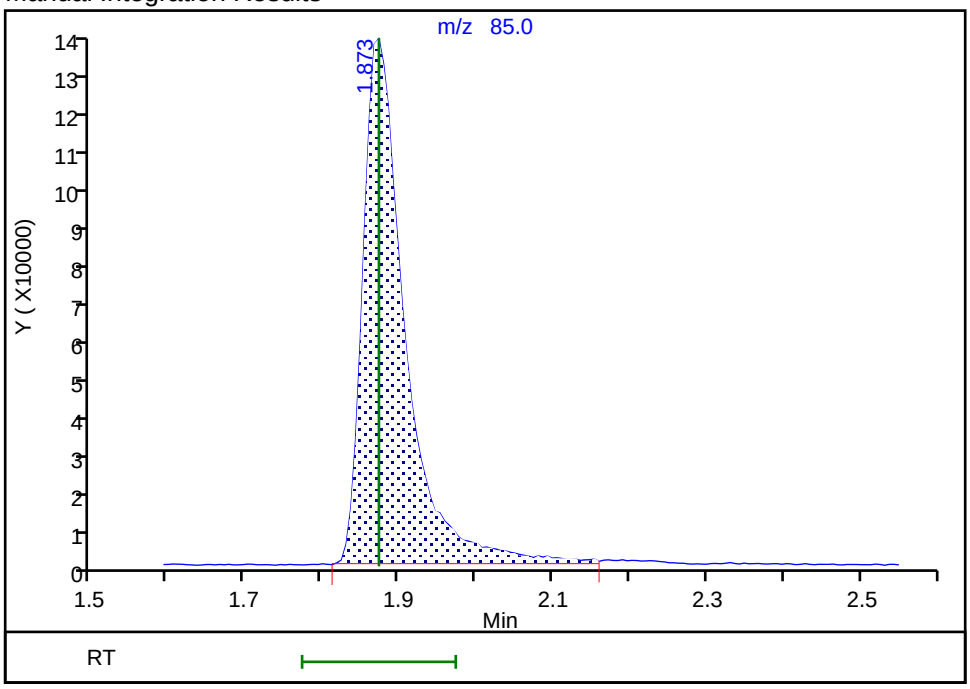
Processing Integration Results

RT: 1.87
Area: 513458
Amount: 9.728042
Amount Units: ug/l



Manual Integration Results

RT: 1.87
Area: 507209
Amount: 9.583692
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:38:15 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

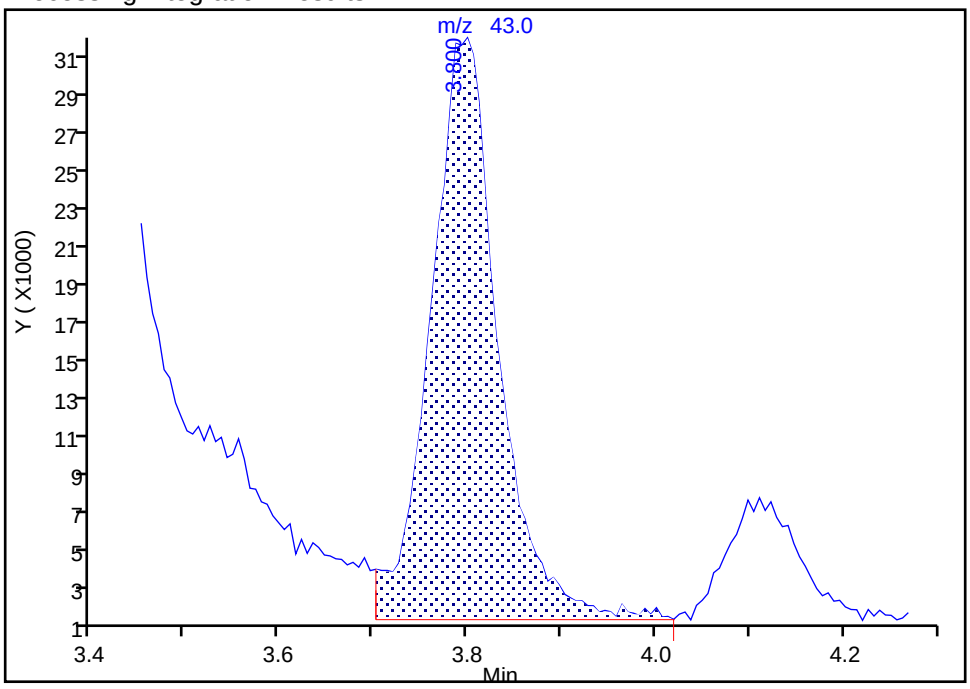
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X17.D				
Injection Date:	17-Oct-2023 09:23:30	Instrument ID:	19094		
Lims ID:	ICIS 10				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

24 Methyl acetate, CAS: 79-20-9

Signal: 1

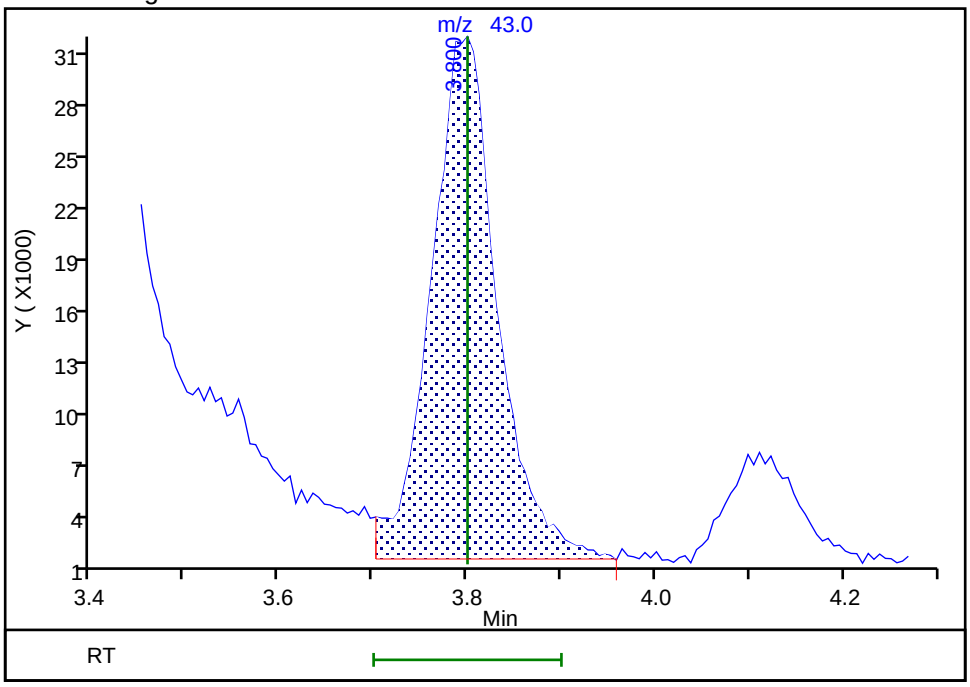
Processing Integration Results

RT: 3.80
Area: 148458
Amount: 11.397217
Amount Units: ug/l



Manual Integration Results

RT: 3.80
Area: 145164
Amount: 9.800128
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:20:30 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

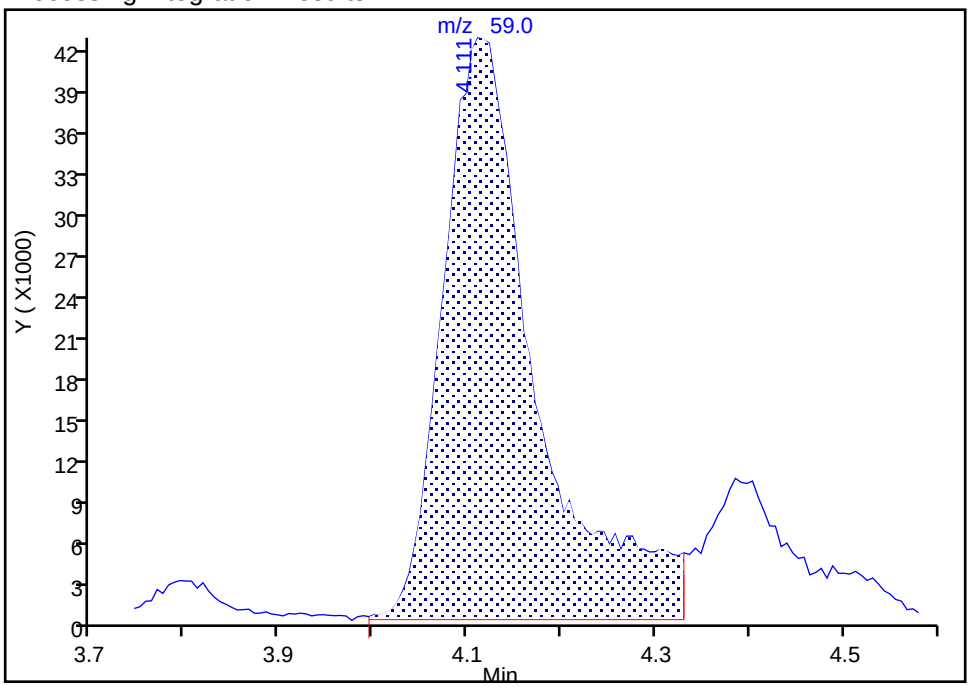
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X17.D				
Injection Date:	17-Oct-2023 09:23:30	Instrument ID:	19094		
Lims ID:	ICIS 10				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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

Signal: 1

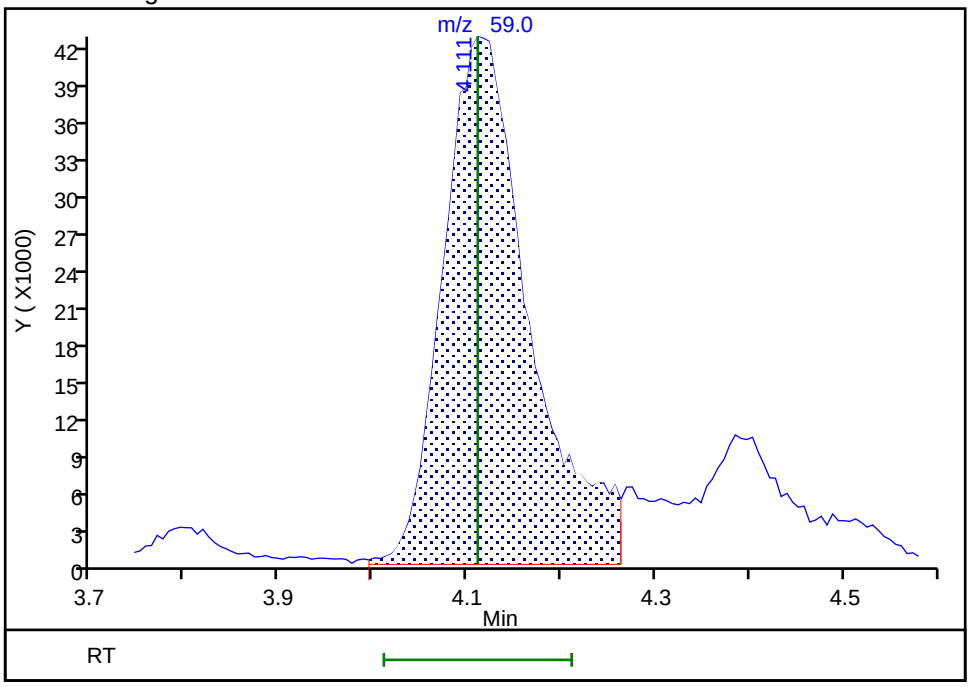
Processing Integration Results

RT: 4.11
Area: 291689
Amount: 213.6053
Amount Units: ug/l



Manual Integration Results

RT: 4.11
Area: 270754
Amount: 179.9718
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:20:50 -04:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

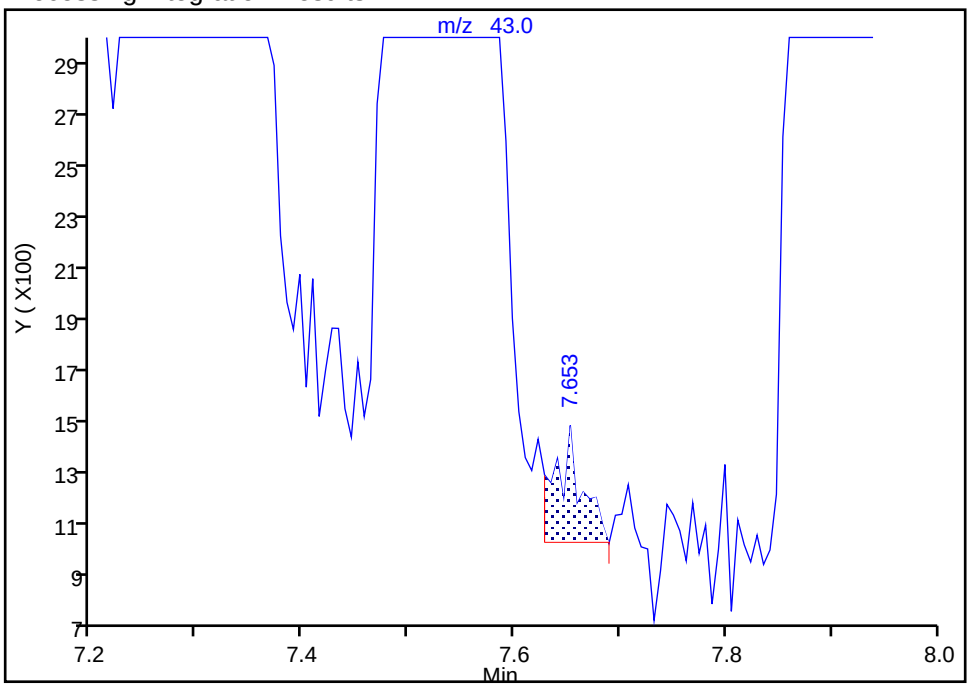
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X17.D				
Injection Date:	17-Oct-2023 09:23:30	Instrument ID:	19094		
Lims ID:	ICIS 10				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

65 n-Heptane, CAS: 142-82-5

Signal: 1

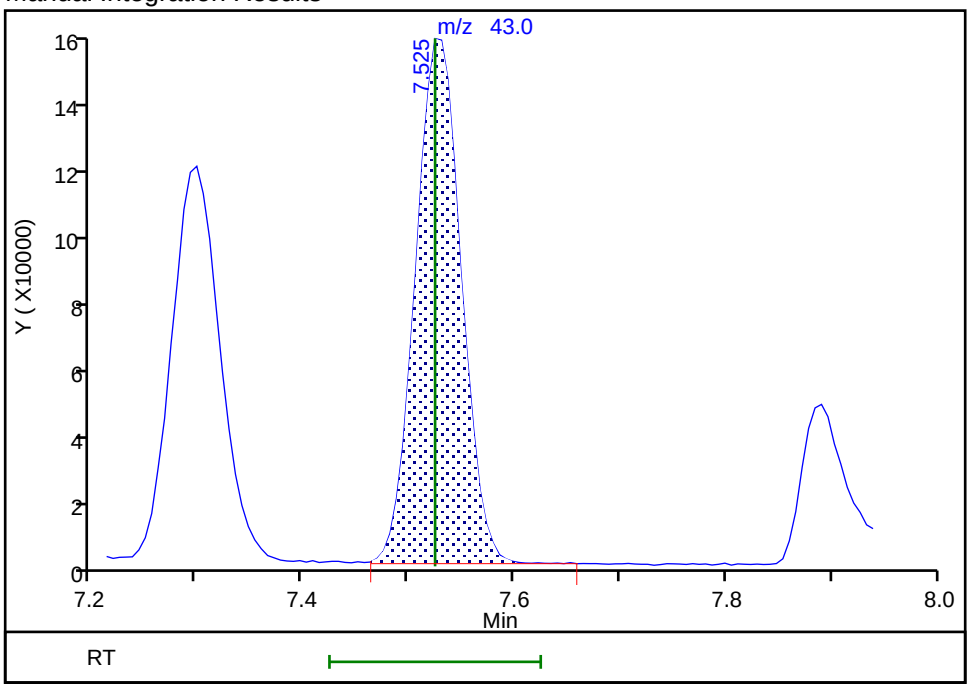
Processing Integration Results

RT: 7.65
Area: 810
Amount: 0.115377
Amount Units: ug/l



Manual Integration Results

RT: 7.52
Area: 457520
Amount: 10.043283
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:21:28 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

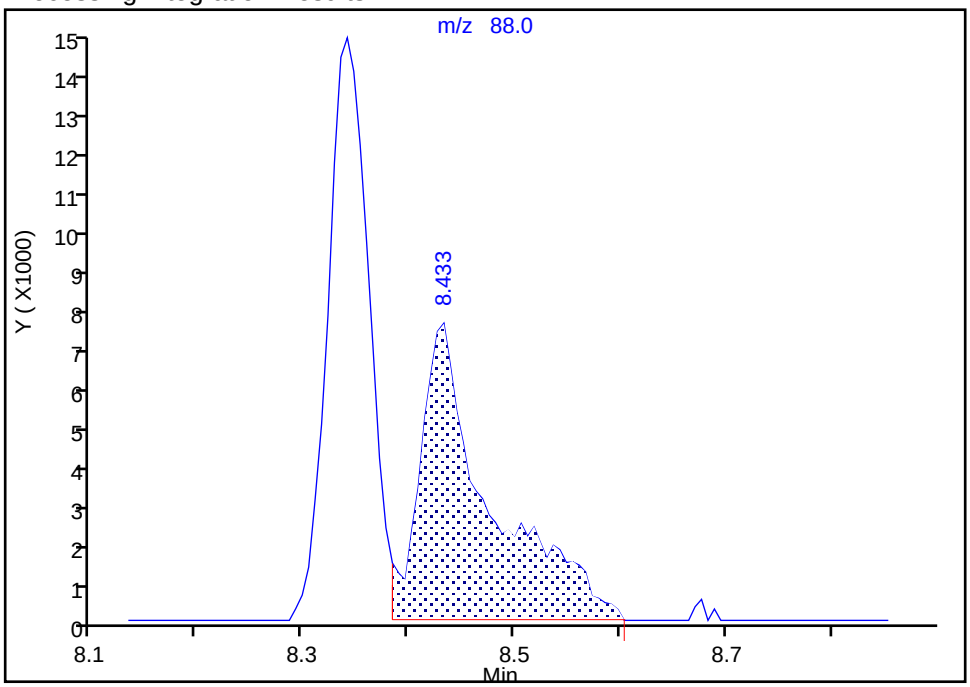
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X17.D				
Injection Date:	17-Oct-2023 09:23:30	Instrument ID:	19094		
Lims ID:	ICIS 10				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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

Signal: 1

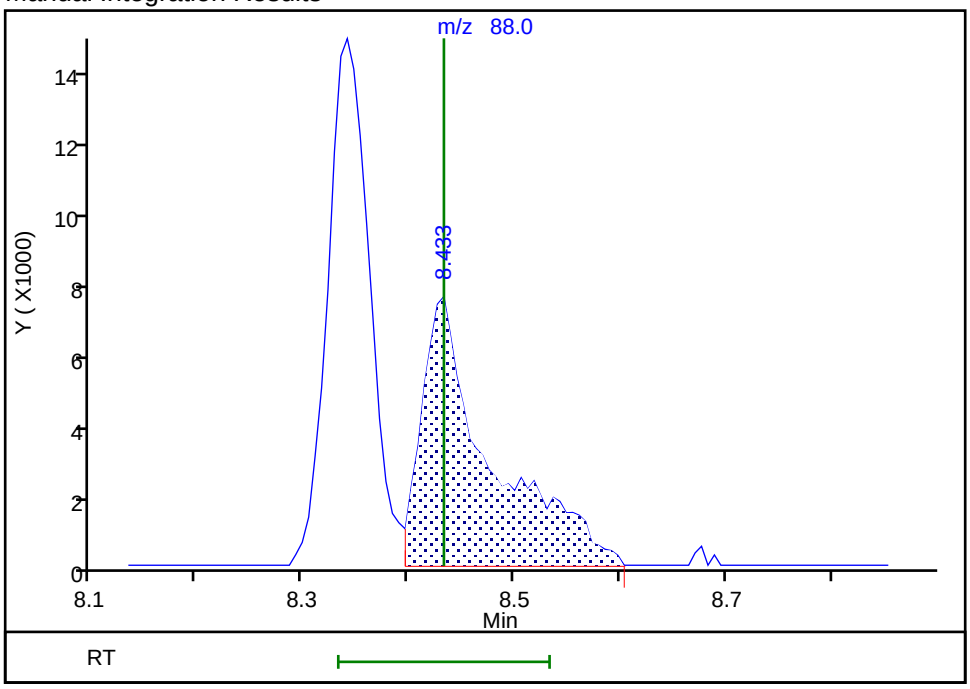
Processing Integration Results

RT: 8.43
Area: 33537
Amount: 538.6950
Amount Units: ug/l



Manual Integration Results

RT: 8.43
Area: 32606
Amount: 516.1190
Amount Units: ug/l



Reviewer: DVW2, 17-Oct-2023 12:21:43 -04:00:00 (UTC)

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

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D
Lims ID: IC std7 25
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 17-Oct-2023 09:43:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-019
Operator ID: GAW91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:26:14 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 18-Oct-2023 08:40:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.867	1.873	-0.006	99	1289612	25.0	23.3	
5 Chloromethane	50	2.056	2.056	0.000	99	1437851	25.0	23.6	
6 Vinyl chloride	62	2.160	2.172	-0.012	98	1388317	25.0	23.8	
7 Butadiene	39	2.166	2.178	-0.012	93	1381584	25.0	21.8	
9 Bromomethane	94	2.477	2.483	-0.006	92	1004257	25.0	24.2	
10 Chloroethane	64	2.556	2.562	-0.006	100	814435	25.0	24.2	
11 Dichlorofluoromethane	67	2.782	2.788	-0.006	97	2242569	25.0	24.1	
12 Trichlorofluoromethane	101	2.849	2.855	-0.006	98	1691810	25.0	24.2	
14 Ethyl ether	59	3.074	3.080	-0.006	92	696272	25.0	21.6	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.154	3.160	-0.006	96	1219424	25.0	24.3	
16 Acrolein	56	3.227	3.239	-0.012	99	5421811	1250.0	1180.8	
17 1,1-Dichloroethene	96	3.367	3.373	-0.006	98	906570	25.0	23.1	
19 Acetone	43	3.385	3.391	-0.006	99	1297197	250.0	228.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.410	3.416	-0.006	92	929807	25.0	25.8	
21 Iodomethane	142	3.550	3.556	-0.006	99	1943225	25.0	25.1	
22 Ethyl bromide	108	3.574	3.580	-0.006	99	841362	25.0	24.0	
23 Carbon disulfide	76	3.660	3.666	-0.006	100	2705357	25.0	24.8	
24 Methyl acetate	43	3.781	3.800	-0.019	97	380982	25.0	23.0	
26 3-Chloro-1-propene	41	3.812	3.818	-0.006	89	1589573	25.0	24.2	
* 28 t-Butyl alcohol-d10 (IS)	65	3.983	3.995	-0.012	98	93724	50.0	50.0	
27 Methylene Chloride	84	3.989	3.995	-0.006	92	995462	25.0	23.9	
29 2-Methyl-2-propanol	59	4.105	4.111	-0.006	99	719241	500.0	428.3	
31 Acrylonitrile	53	4.300	4.312	-0.012	98	453076	62.5	61.2	
32 Methyl tert-butyl ether	73	4.379	4.391	-0.012	96	2413997	25.0	24.4	
33 trans-1,2-Dichloroethene	96	4.391	4.397	-0.006	99	1043791	25.0	23.4	
34 Hexane	57	4.818	4.824	-0.006	94	1202233	25.0	24.9	
36 1,1-Dichloroethane	63	5.050	5.056	-0.006	96	1950616	25.0	24.6	
37 Isopropyl ether	45	5.117	5.123	-0.006	93	3220831	25.0	24.7	
38 2-Chloro-1,3-butadiene	53	5.159	5.172	-0.013	93	1743566	25.0	24.3	
40 Tert-butyl ethyl ether	59	5.659	5.665	-0.006	98	3058176	25.0	23.8	
41 2-Butanone (MEK)	43	5.866	5.873	-0.007	100	2291803	250.0	247.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	5.891	5.897	-0.006	86	1185422	25.0	23.7	
43 2,2-Dichloropropane	77	5.909	5.909	0.000	89	1767722	25.0	24.0	
44 Propionitrile	54	5.940	5.952	-0.012	98	1242528	500.0	481.0	
S 46 1,2-Dichloroethene, Total	100				0			47.2	
47 Methacrylonitrile	67	6.171	6.171	0.000	91	2383156	250.0	231.1	
48 Chlorobromomethane	128	6.226	6.232	-0.006	88	505069	25.0	25.3	
49 Tetrahydrofuran	71	6.257	6.257	0.000	78	324154	125.0	109.0	
50 Chloroform	83	6.385	6.385	0.000	94	1993721	25.0	24.4	
$ 52 Dibromofluoromethane (Surr)	113	6.598	6.604	-0.006	93	473178	10.0	9.96	
53 1,1,1-Trichloroethane	97	6.610	6.616	-0.006	99	1801496	25.0	23.5	
54 Cyclohexane	56	6.714	6.720	-0.006	91	1631813	25.0	23.5	
56 Carbon tetrachloride	117	6.830	6.830	0.000	95	1603652	25.0	25.0	
55 1,1-Dichloropropene	75	6.830	6.836	-0.006	95	1524924	25.0	24.7	
57 Isobutyl alcohol	41	6.988	6.988	0.000	93	665662	1250.0	1252.9	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.061	7.061	0.000	96	90407	10.0	10.1	
59 Benzene	78	7.098	7.098	0.000	97	4441888	25.0	24.8	
60 1,2-Dichloroethane	62	7.165	7.171	-0.006	98	1256931	25.0	24.1	
63 Tert-amyl methyl ether	73	7.299	7.299	0.000	98	2716526	25.0	24.9	
* 64 Fluorobenzene (IS)	96	7.506	7.513	-0.007	99	1875183	10.0	10.0	
65 n-Heptane	43	7.525	7.525	0.000	92	1183220	25.0	24.8	
67 n-Butanol	56	7.884	7.891	-0.006	90	833677	2187.5	1970.8	
68 Trichloroethene	95	7.994	8.000	-0.006	97	1225963	25.0	24.3	
69 Methylcyclohexane	83	8.305	8.305	0.000	91	1699819	25.0	24.9	
70 1,2-Dichloropropane	63	8.323	8.329	-0.006	93	1118071	25.0	25.4	
71 2-ethoxy-2-methyl butane	87	8.342	8.342	0.000	92	1761961	25.0	25.1	
72 Methyl methacrylate	69	8.421	8.421	0.000	89	488267	25.0	23.1	
73 1,4-Dioxane	88	8.427	8.433	-0.006	30	83291	1250.0	1153.6	M
74 Dibromomethane	93	8.439	8.439	0.000	94	549830	25.0	25.8	
76 Dichlorobromomethane	83	8.677	8.677	0.000	99	1452028	25.0	24.7	
77 2-Nitropropane	41	8.939	8.939	0.000	99	860468	125.0	119.8	
79 1-Bromo-2-chloroethane	63	9.073	9.073	0.000	99	1077642	25.0	24.9	
80 cis-1,3-Dichloropropene	75	9.238	9.238	0.000	96	1754015	25.0	25.7	
82 4-Methyl-2-pentanone (MIBK)	43	9.421	9.421	0.000	97	6058586	250.0	231.9	
$ 83 Toluene-d8 (Surr)	98	9.561	9.561	0.000	94	1885324	10.0	10.0	
84 Toluene	92	9.634	9.640	-0.006	98	2918122	25.0	24.8	
85 trans-1,3-Dichloropropene	75	9.902	9.902	0.000	95	1459303	25.0	25.8	
104 Ethyl methacrylate	69	9.975	9.975	0.000	88	1100528	25.0	26.2	
S 105 1,3-Dichloropropene, Total	100				0			51.5	
106 1,1,2-Trichloroethane	97	10.110	10.116	-0.006	92	735870	25.0	24.8	
107 Tetrachloroethene	166	10.201	10.201	0.000	98	1393850	25.0	24.8	
108 1,3-Dichloropropane	76	10.280	10.280	0.000	92	1280937	25.0	25.2	
109 2-Hexanone	43	10.335	10.335	0.000	97	4113843	250.0	236.5	
111 Chlorodibromomethane	129	10.500	10.500	0.000	90	1025341	25.0	25.9	
112 Ethylene Dibromide	107	10.609	10.609	0.000	99	735357	25.0	25.7	
* 113 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	85	1426382	10.0	10.0	
114 1-Chlorohexane	91	11.061	11.061	0.000	98	1593955	25.0	23.7	
115 Chlorobenzene	112	11.073	11.073	0.000	98	3225340	25.0	25.1	
116 1,1,1,2-Tetrachloroethane	131	11.158	11.158	0.000	95	1194283	25.0	25.5	
117 Ethylbenzene	91	11.164	11.164	0.000	99	5743058	25.0	25.0	
S 118 Xylenes, Total	106				0			76.4	
119 m-Xylene & p-Xylene	106	11.280	11.280	0.000	99	4514240	50.0	50.9	
120 o-Xylene	106	11.609	11.609	0.000	97	2211532	25.0	25.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 Styrene	104	11.628	11.628	0.000	95	3621922	25.0	25.8	
122 Bromoform	173	11.786	11.786	0.000	97	640885	25.0	25.7	
123 Isopropylbenzene	105	11.914	11.914	0.000	96	5382098	25.0	25.2	
$ 126 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	92	712164	10.0	10.1	
127 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	93	909156	25.0	24.5	
128 Bromobenzene	156	12.176	12.176	0.000	97	1391566	25.0	25.1	
129 trans-1,4-Dichloro-2-butene	53	12.188	12.188	0.000	94	2575267	250.0	241.4	
130 1,2,3-Trichloropropane	110	12.207	12.207	0.000	81	244226	25.0	24.6	
131 N-Propylbenzene	91	12.249	12.249	0.000	99	6609275	25.0	25.2	
132 2-Chlorotoluene	126	12.322	12.323	-0.001	96	1387686	25.0	25.2	
133 1,3,5-Trimethylbenzene	105	12.383	12.384	-0.001	94	4799921	25.0	25.2	
134 4-Chlorotoluene	126	12.414	12.414	0.000	98	1426214	25.0	25.4	
135 tert-Butylbenzene	134	12.627	12.627	0.000	93	1062110	25.0	24.5	
136 Pentachloroethane	167	12.658	12.658	0.000	92	917050	25.0	25.9	
137 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	4889578	25.0	25.4	
138 sec-Butylbenzene	105	12.792	12.792	0.000	94	5896551	25.0	25.4	
139 1,3-Dichlorobenzene	146	12.889	12.890	-0.001	98	2726352	25.0	25.7	
140 4-Isopropyltoluene	119	12.902	12.902	0.000	97	5239951	25.0	25.7	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	812275	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.963	12.963	0.000	93	2693379	25.0	25.1	
143 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	99	2153109	25.0	25.1	
144 Benzyl chloride	126	13.042	13.042	0.000	99	407152	25.0	26.2	
145 p-Diethylbenzene	119	13.176	13.170	0.006	95	3104756	25.0	26.2	
146 n-Butylbenzene	92	13.194	13.194	0.000	98	2439188	25.0	26.3	
147 1,2-Dichlorobenzene	146	13.225	13.225	0.000	98	2422463	25.0	25.4	
149 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	87	143556	25.0	29.2	
150 1,3,5-Trichlorobenzene	180	13.895	13.895	0.000	97	1911490	25.0	26.7	
151 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	1581016	25.0	28.5	
152 Hexachlorobutadiene	225	14.401	14.401	0.000	95	556855	25.0	25.9	
153 Naphthalene	128	14.493	14.493	0.000	97	2569391	25.0	29.2	
154 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	95	1194182	25.0	30.3	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00099	Amount Added: 25.00	Units: uL	
MSV_LL_GAS826_00174	Amount Added: 25.00	Units: uL	
MSV_LL_#2_826_00108	Amount Added: 25.00	Units: uL	
MSV_LLcentISS_00009	Amount Added: 5.00	Units: uL	Run Reagent

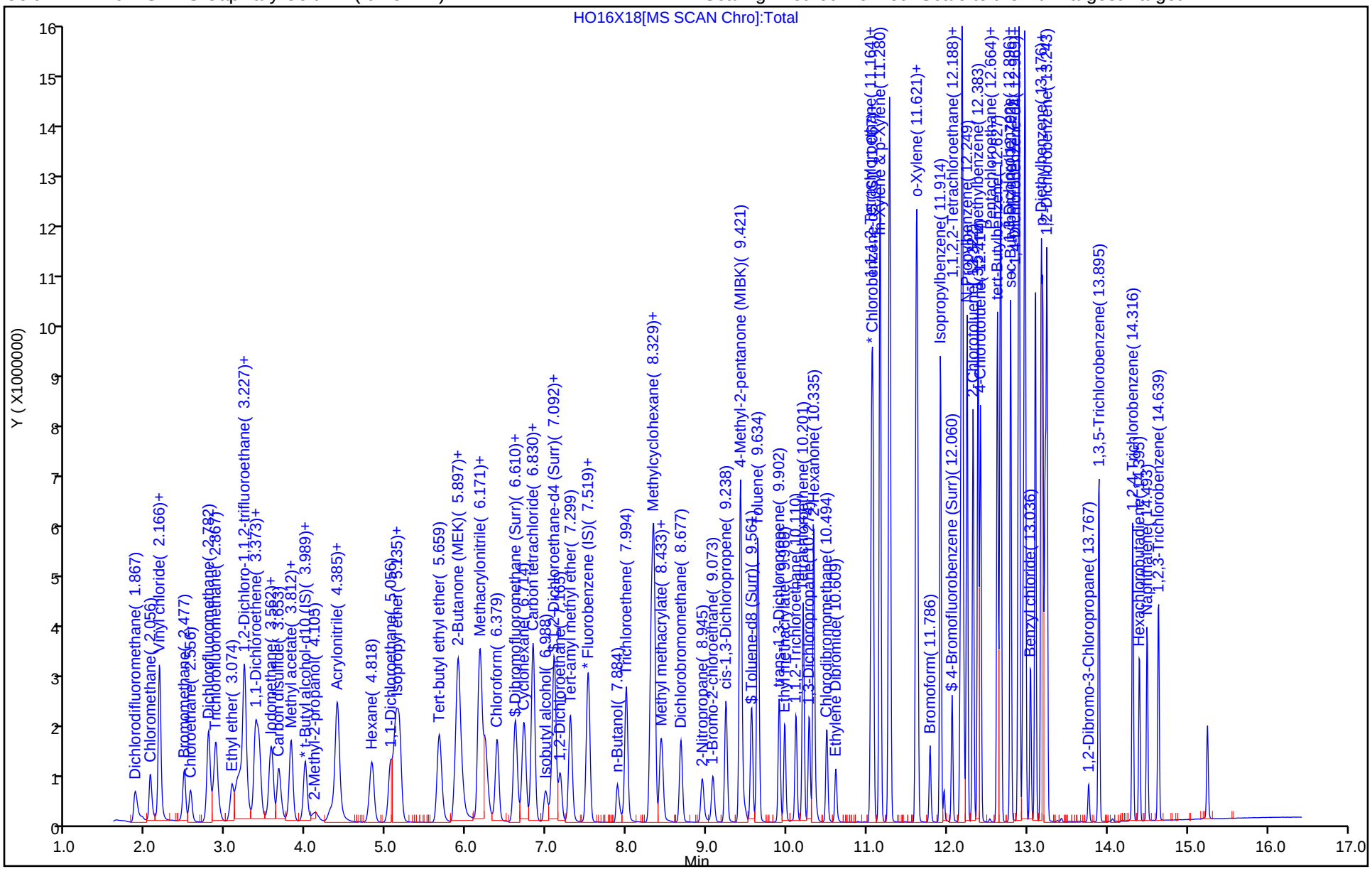
Report Date: 20-Oct-2023 13:26:15 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Injection Date:	17-Oct-2023 09:43:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	IC std7 25			Worklist Smp#:	19
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

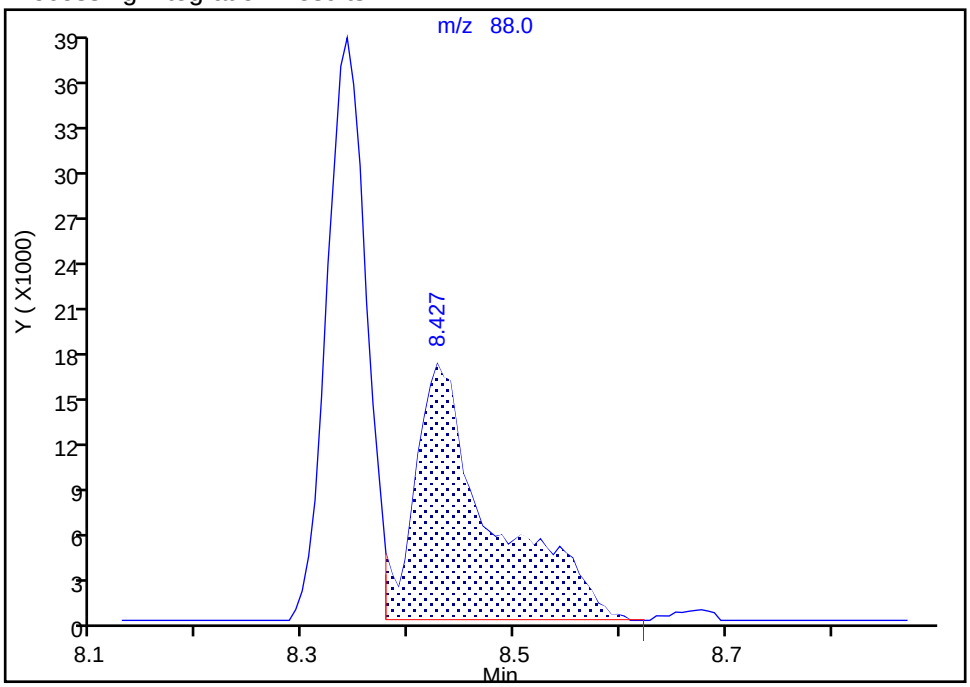
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D				
Injection Date:	17-Oct-2023 09:43:30	Instrument ID:	19094		
Lims ID:	IC std7 25				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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

Signal: 1

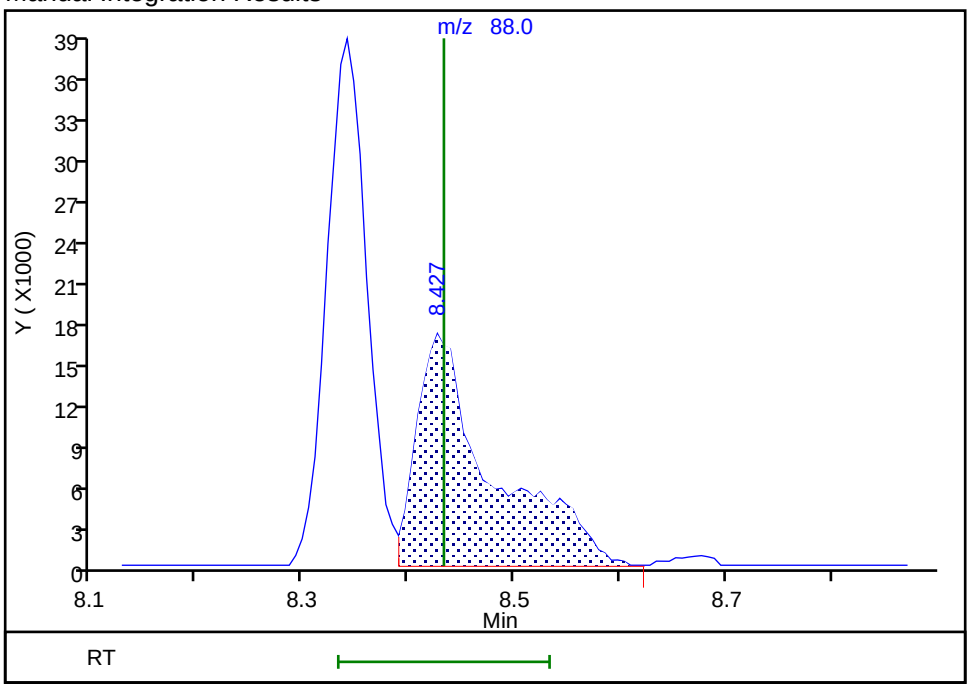
Processing Integration Results

RT: 8.43
Area: 85997
Amount: 1238.2805
Amount Units: ug/l



Manual Integration Results

RT: 8.43
Area: 83291
Amount: 1153.6499
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:40:27 -04:00:00 (UTC)

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

Calibration / Dichlorodifluoromethane

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

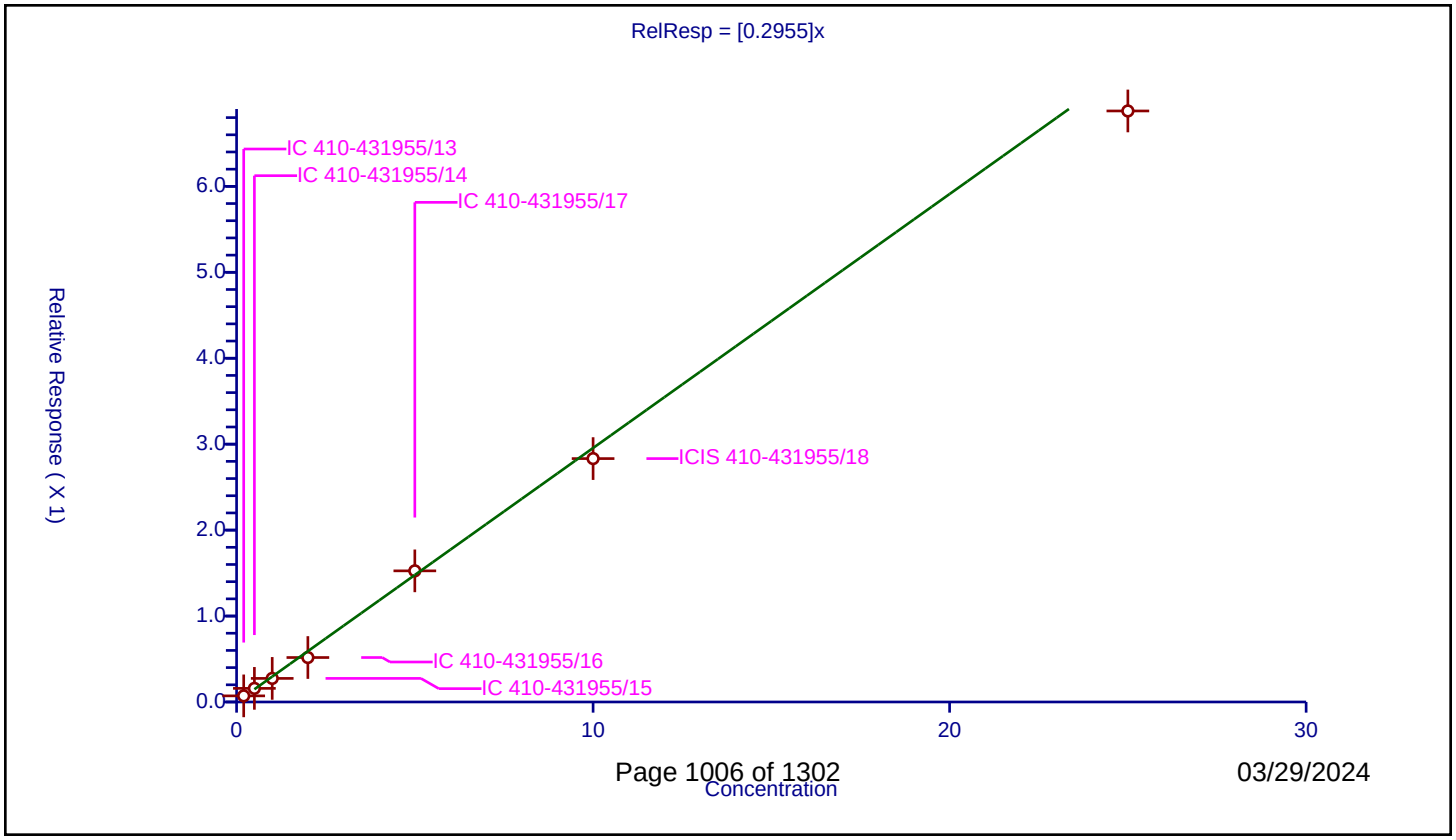
Curve Coefficients

Intercept:	0
Slope:	0.2955

Error Coefficients

Standard Error:	578000
Relative Standard Error:	11.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.071073	10.0	1727945.0	0.355364	Y
2	IC 410-431955/14	0.5	0.158437	10.0	1732238.0	0.316873	Y
3	IC 410-431955/15	1.0	0.274329	10.0	1719834.0	0.274329	Y
4	IC 410-431955/16	2.0	0.517373	10.0	1746844.0	0.258687	Y
5	IC 410-431955/17	5.0	1.52598	10.0	1767939.0	0.305196	Y
6	ICIS 410-431955/18	10.0	2.832358	10.0	1790766.0	0.283236	Y
7	IC 410-431955/19	25.0	6.877259	10.0	1875183.0	0.27509	Y



Calibration / Chloromethane

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

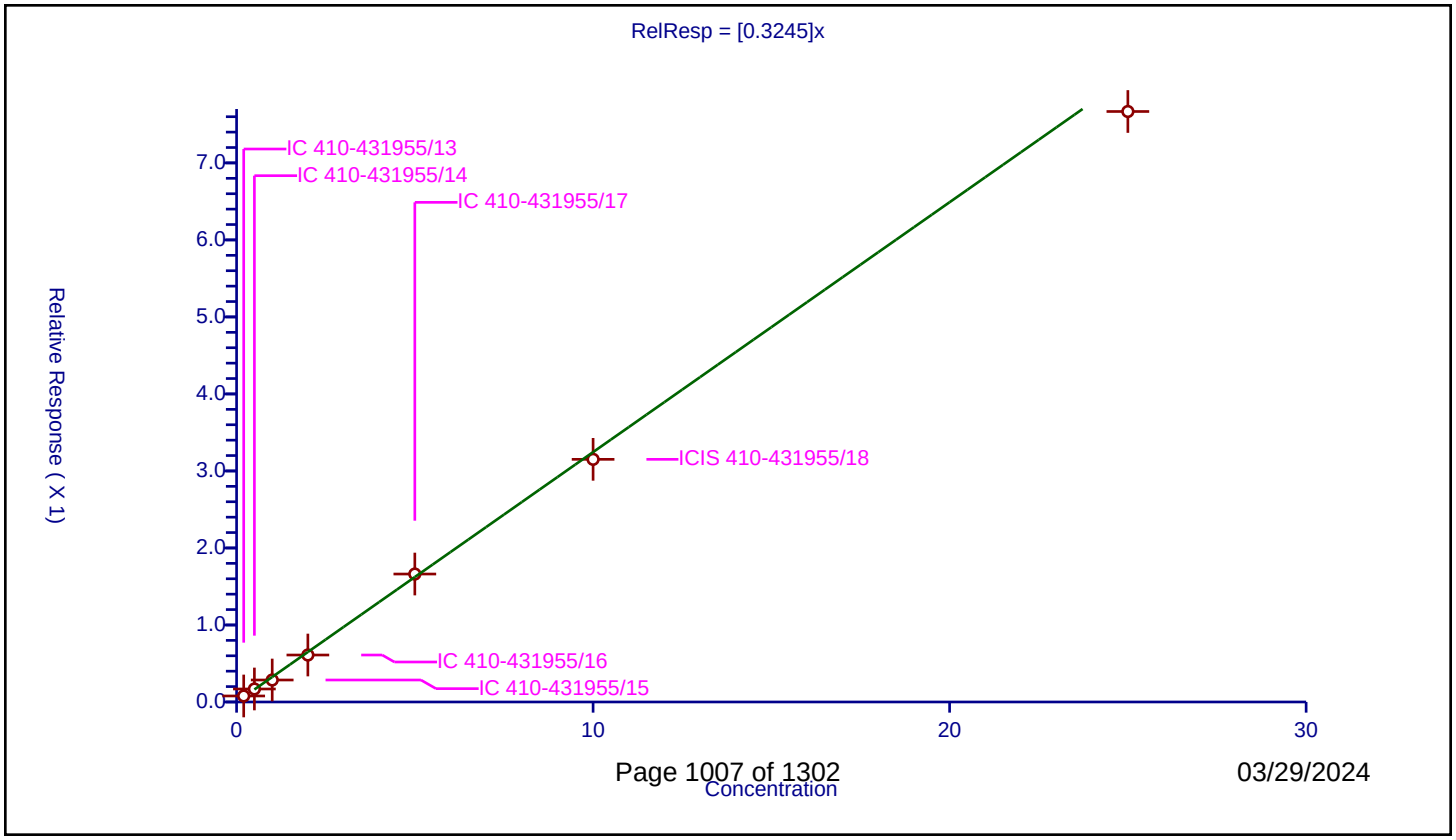
Curve Coefficients

Intercept:	0
Slope:	0.3245

Error Coefficients

Standard Error:	644000
Relative Standard Error:	10.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.077931	10.0	1727945.0	0.389654	Y
2	IC 410-431955/14	0.5	0.168672	10.0	1732238.0	0.337344	Y
3	IC 410-431955/15	1.0	0.285336	10.0	1719834.0	0.285336	Y
4	IC 410-431955/16	2.0	0.609854	10.0	1746844.0	0.304927	Y
5	IC 410-431955/17	5.0	1.661624	10.0	1767939.0	0.332325	Y
6	ICIS 410-431955/18	10.0	3.150791	10.0	1790766.0	0.315079	Y
7	IC 410-431955/19	25.0	7.66779	10.0	1875183.0	0.306712	Y



Calibration / Vinyl chloride

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

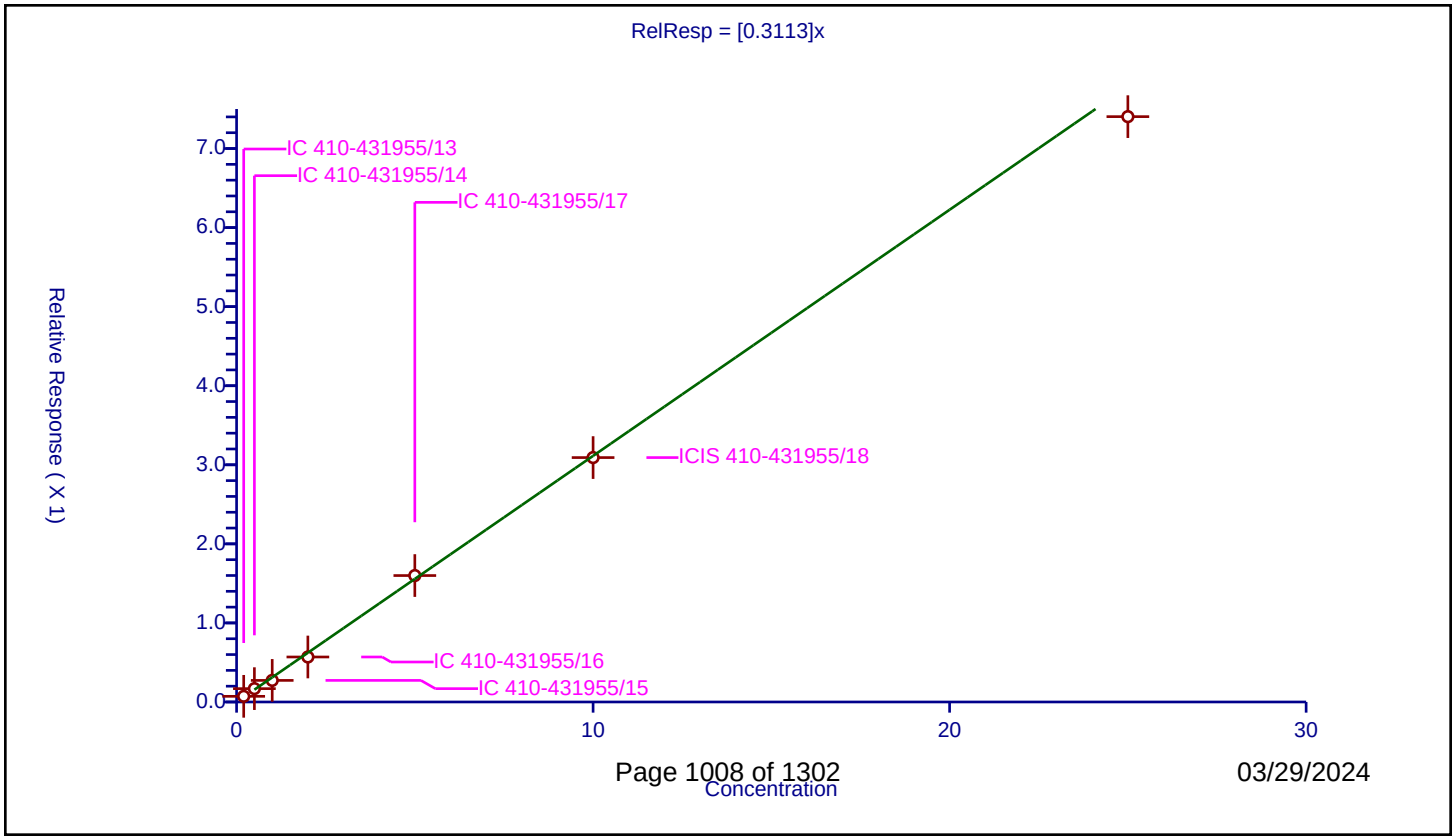
Curve Coefficients

Intercept:	0
Slope:	0.3113

Error Coefficients

Standard Error:	623000
Relative Standard Error:	9.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.071738	10.0	1727945.0	0.358692	Y
2	IC 410-431955/14	0.5	0.168811	10.0	1732238.0	0.337621	Y
3	IC 410-431955/15	1.0	0.273032	10.0	1719834.0	0.273032	Y
4	IC 410-431955/16	2.0	0.568998	10.0	1746844.0	0.284499	Y
5	IC 410-431955/17	5.0	1.599235	10.0	1767939.0	0.319847	Y
6	ICIS 410-431955/18	10.0	3.091353	10.0	1790766.0	0.309135	Y
7	IC 410-431955/19	25.0	7.403635	10.0	1875183.0	0.296145	Y



Calibration / Butadiene

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

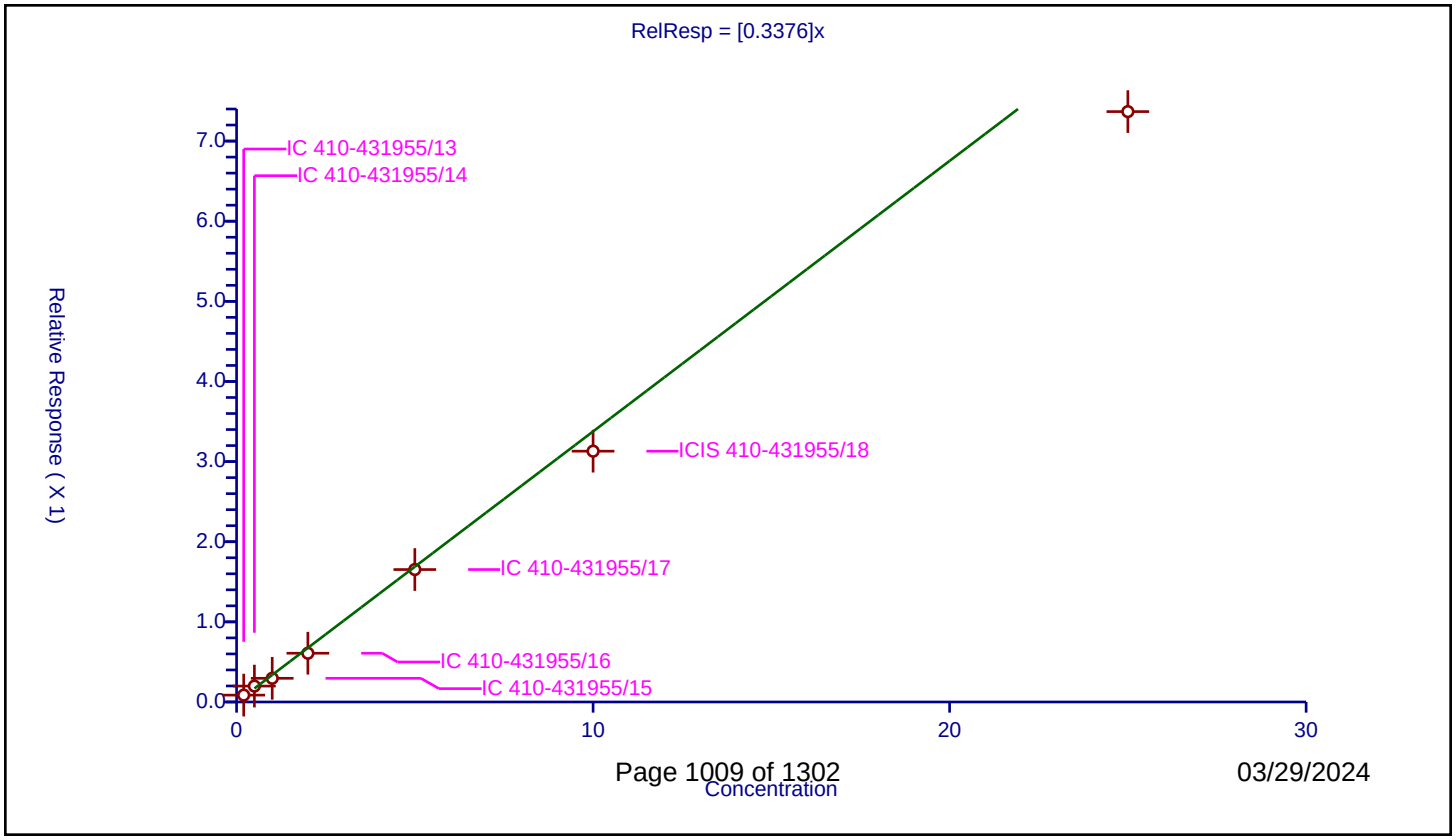
Curve Coefficients

Intercept:	0
Slope:	0.3376

Error Coefficients

Standard Error:	622000
Relative Standard Error:	15.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.959

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.085622	10.0	1727945.0	0.42811	Y
2	IC 410-431955/14	0.5	0.198541	10.0	1732238.0	0.397082	Y
3	IC 410-431955/15	1.0	0.295552	10.0	1719834.0	0.295552	Y
4	IC 410-431955/16	2.0	0.608469	10.0	1746844.0	0.304234	Y
5	IC 410-431955/17	5.0	1.652885	10.0	1767939.0	0.330577	Y
6	ICIS 410-431955/18	10.0	3.130169	10.0	1790766.0	0.313017	Y
7	IC 410-431955/19	25.0	7.367729	10.0	1875183.0	0.294709	Y



Calibration / Bromomethane

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

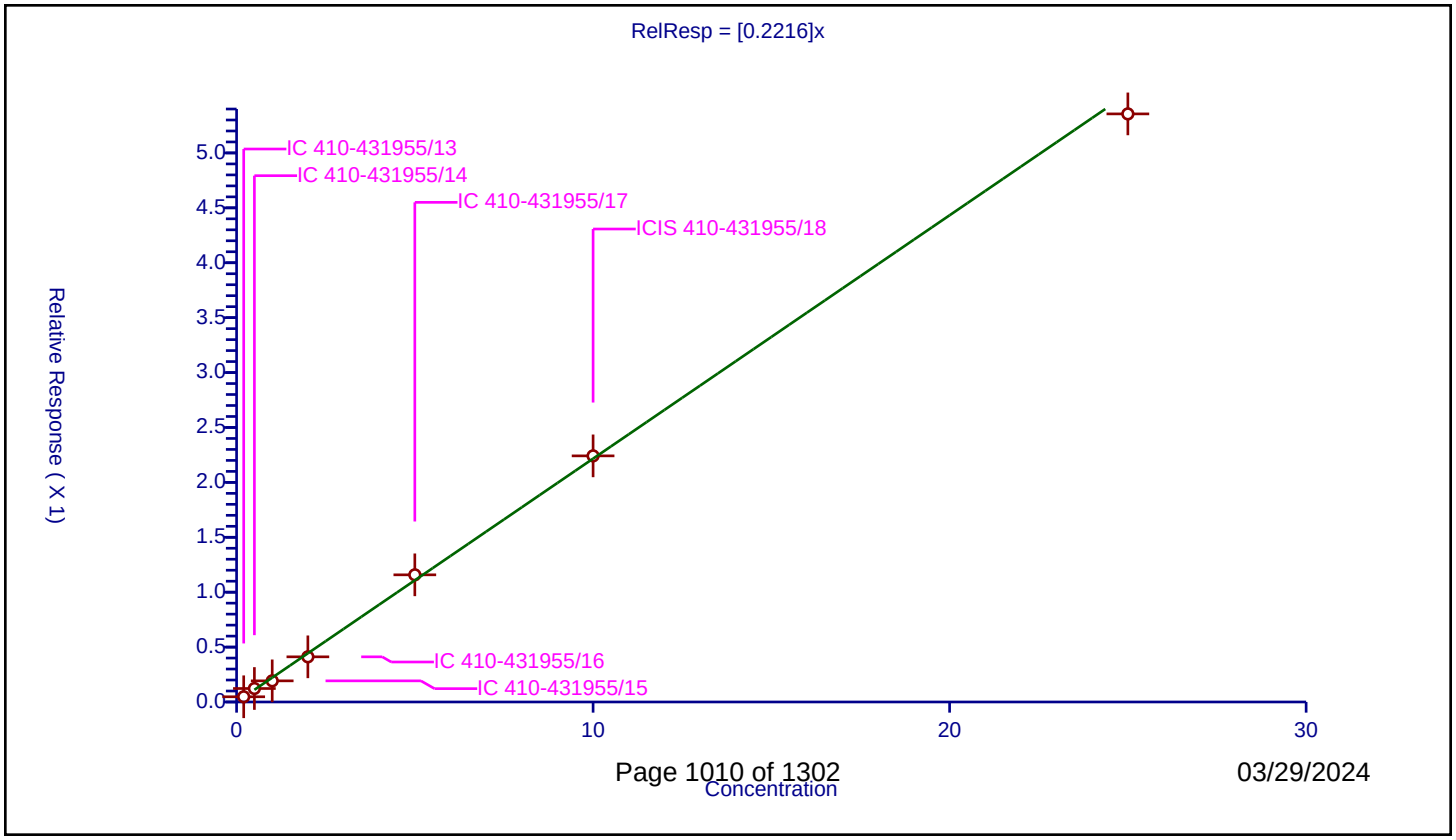
Curve Coefficients

Intercept:	0
Slope:	0.2216

Error Coefficients

Standard Error:	451000
Relative Standard Error:	8.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.047502	10.0	1727945.0	0.237508	Y
2	IC 410-431955/14	0.5	0.122864	10.0	1732238.0	0.245728	Y
3	IC 410-431955/15	1.0	0.192449	10.0	1719834.0	0.192449	Y
4	IC 410-431955/16	2.0	0.411307	10.0	1746844.0	0.205654	Y
5	IC 410-431955/17	5.0	1.158089	10.0	1767939.0	0.231618	Y
6	ICIS 410-431955/18	10.0	2.241393	10.0	1790766.0	0.224139	Y
7	IC 410-431955/19	25.0	5.355515	10.0	1875183.0	0.214221	Y



Calibration / Chloroethane

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

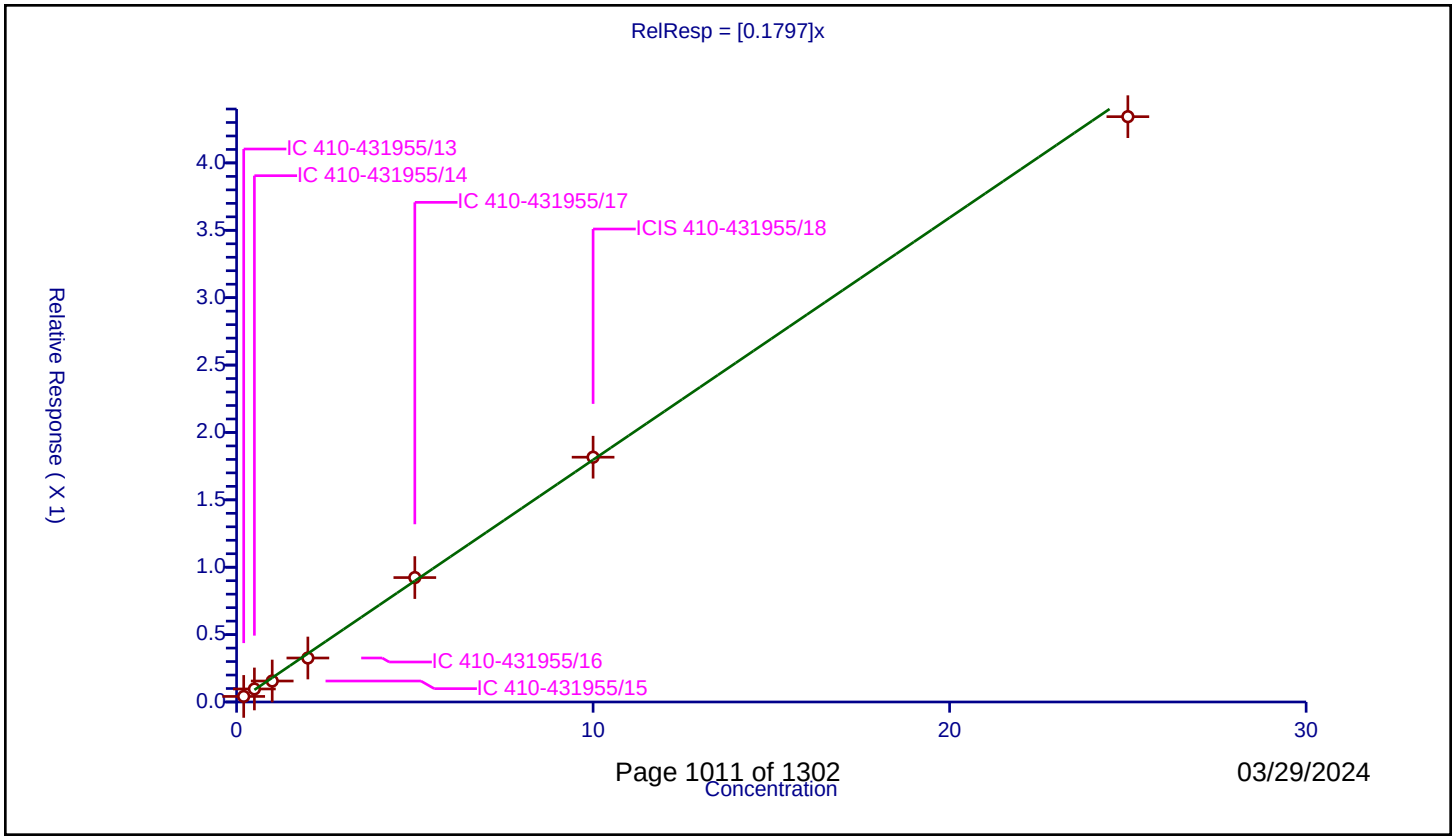
Curve Coefficients

Intercept:	0
Slope:	0.1797

Error Coefficients

Standard Error:	365000
Relative Standard Error:	9.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.04117	10.0	1727945.0	0.205851	Y
2	IC 410-431955/14	0.5	0.096592	10.0	1732238.0	0.193184	Y
3	IC 410-431955/15	1.0	0.155596	10.0	1719834.0	0.155596	Y
4	IC 410-431955/16	2.0	0.326337	10.0	1746844.0	0.163169	Y
5	IC 410-431955/17	5.0	0.923222	10.0	1767939.0	0.184644	Y
6	ICIS 410-431955/18	10.0	1.816463	10.0	1790766.0	0.181646	Y
7	IC 410-431955/19	25.0	4.343229	10.0	1875183.0	0.173729	Y



Calibration / Dichlorofluoromethane

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

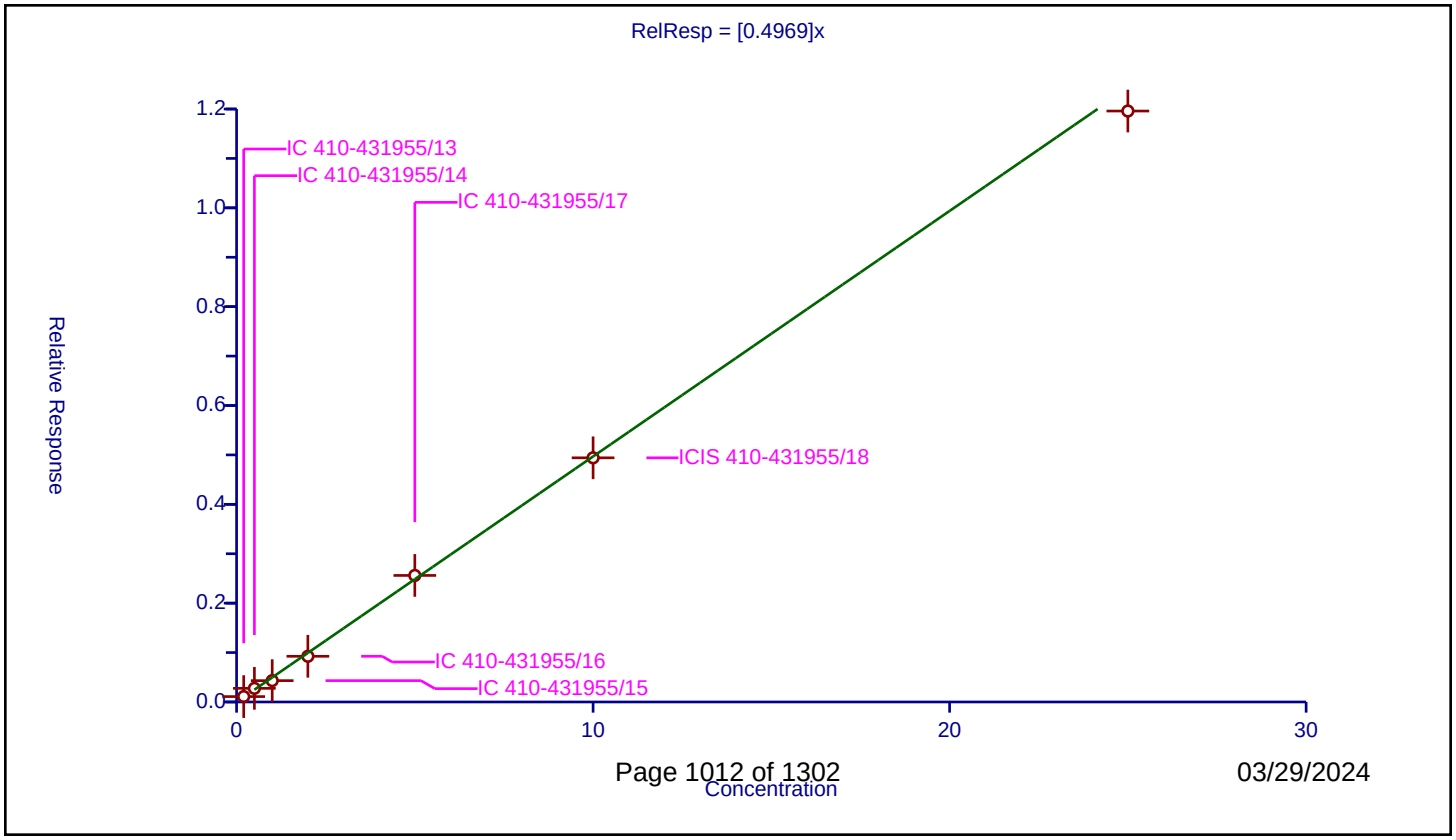
Curve Coefficients

Intercept:	0
Slope:	0.4969

Error Coefficients

Standard Error:	1000000
Relative Standard Error:	8.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.109413	10.0	1727945.0	0.547066	Y
2	IC 410-431955/14	0.5	0.276001	10.0	1732238.0	0.552003	Y
3	IC 410-431955/15	1.0	0.431937	10.0	1719834.0	0.431937	Y
4	IC 410-431955/16	2.0	0.924782	10.0	1746844.0	0.462391	Y
5	IC 410-431955/17	5.0	2.560682	10.0	1767939.0	0.512136	Y
6	ICIS 410-431955/18	10.0	4.941394	10.0	1790766.0	0.494139	Y
7	IC 410-431955/19	25.0	11.959201	10.0	1875183.0	0.478368	Y



Calibration / Trichlorofluoromethane

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

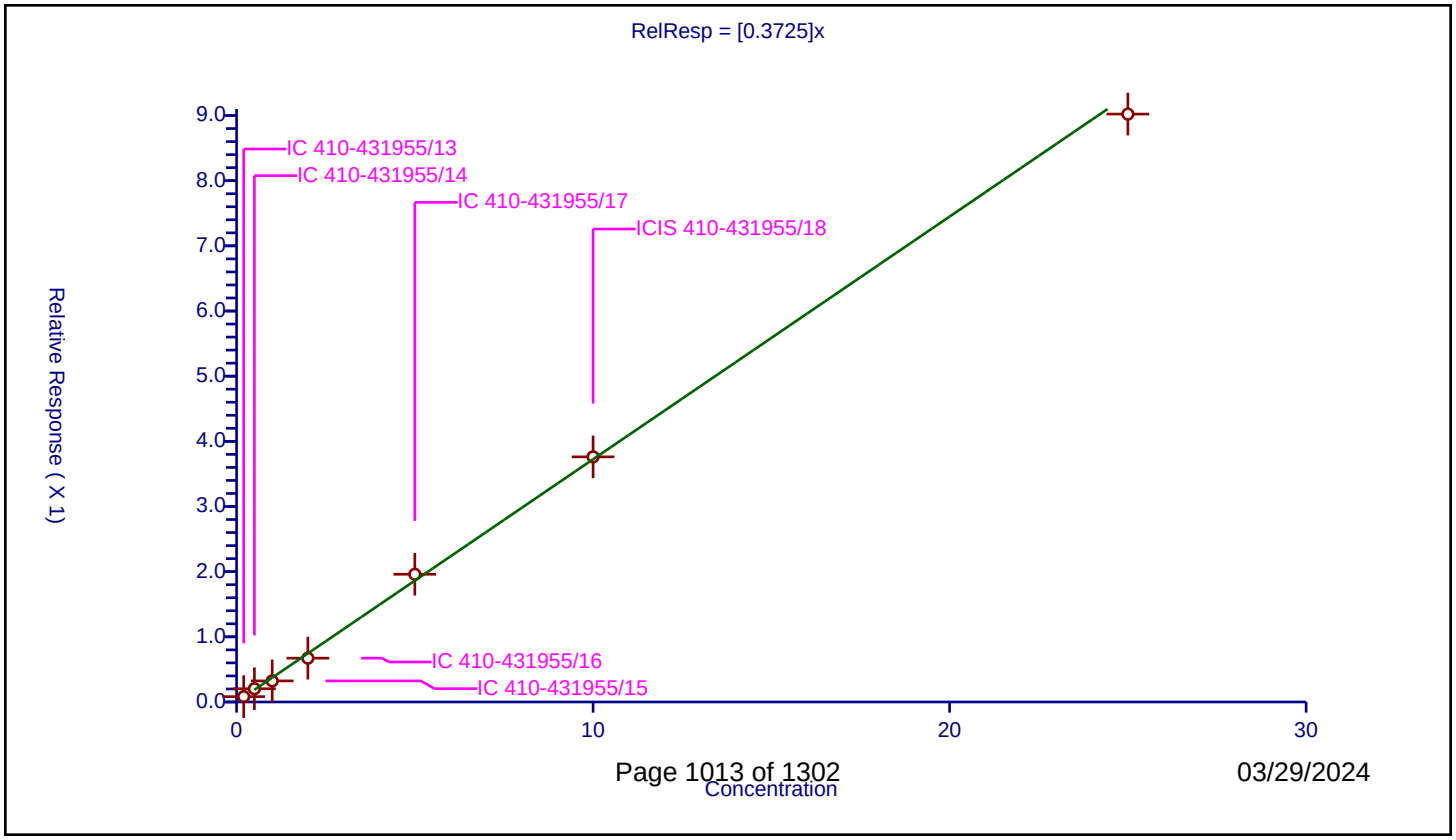
Curve Coefficients

Intercept:	0
Slope:	0.3725

Error Coefficients

Standard Error:	759000
Relative Standard Error:	9.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.082433	10.0	1727945.0	0.412166	Y
2	IC 410-431955/14	0.5	0.203119	10.0	1732238.0	0.406237	Y
3	IC 410-431955/15	1.0	0.323572	10.0	1719834.0	0.323572	Y
4	IC 410-431955/16	2.0	0.672413	10.0	1746844.0	0.336206	Y
5	IC 410-431955/17	5.0	1.959887	10.0	1767939.0	0.391977	Y
6	ICIS 410-431955/18	10.0	3.761781	10.0	1790766.0	0.376178	Y
7	IC 410-431955/19	25.0	9.022106	10.0	1875183.0	0.360884	Y



Calibration / Ethyl ether

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

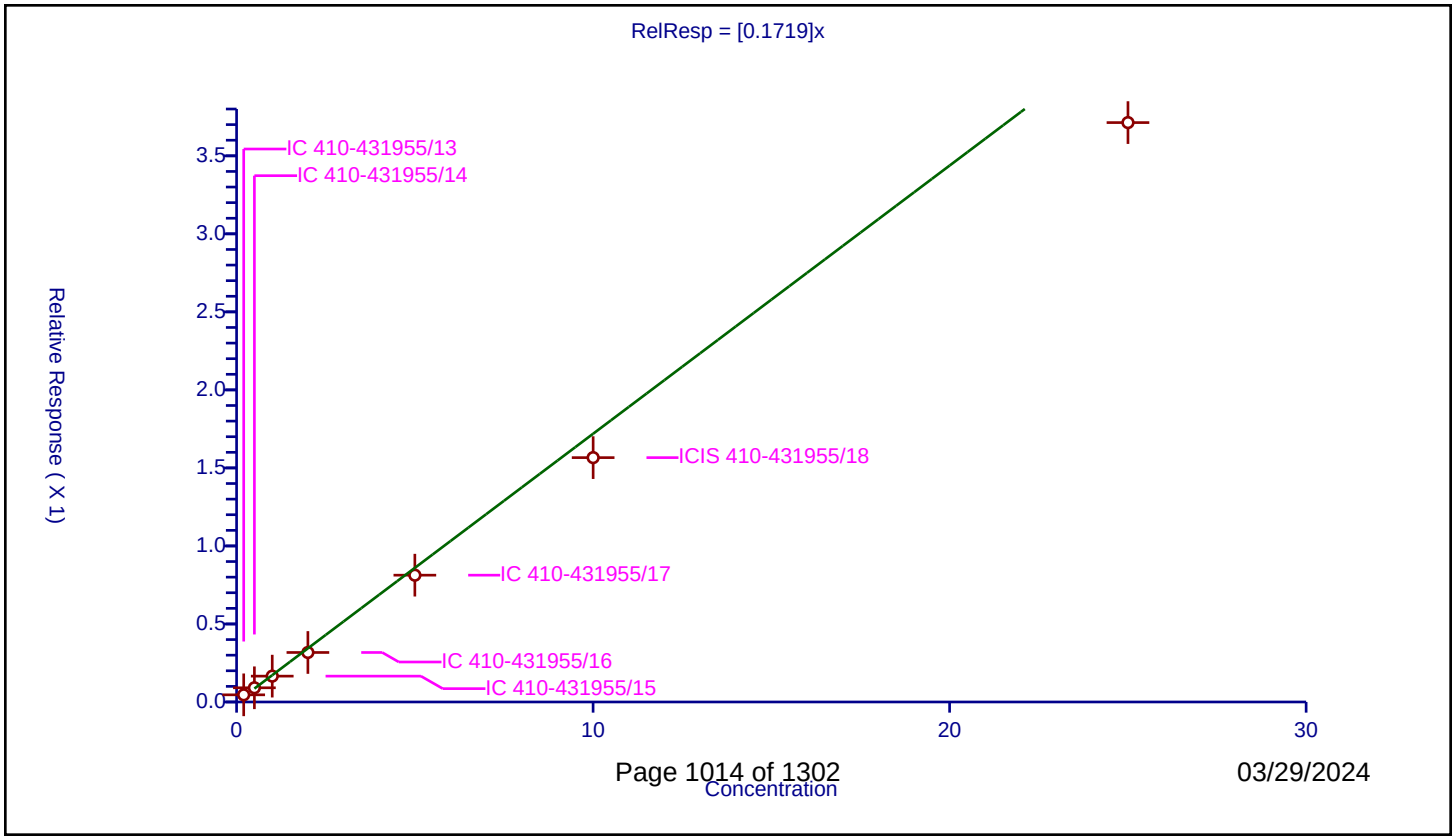
Curve Coefficients

Intercept:	0
Slope:	0.1719

Error Coefficients

Standard Error:	313000
Relative Standard Error:	15.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.956

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.200027	0.045881	10.0	1727945.0	0.229374	Y
2	IC 410-431955/14	0.500068	0.090981	10.0	1732238.0	0.181937	Y
3	IC 410-431955/15	1.000135	0.165685	10.0	1719834.0	0.165662	Y
4	IC 410-431955/16	2.00027	0.317224	10.0	1746844.0	0.15859	Y
5	IC 410-431955/17	5.000676	0.812585	10.0	1767939.0	0.162495	Y
6	ICIS 410-431955/18	10.001352	1.565972	10.0	1790766.0	0.156576	Y
7	IC 410-431955/19	25.00338	3.713088	10.0	1875183.0	0.148503	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

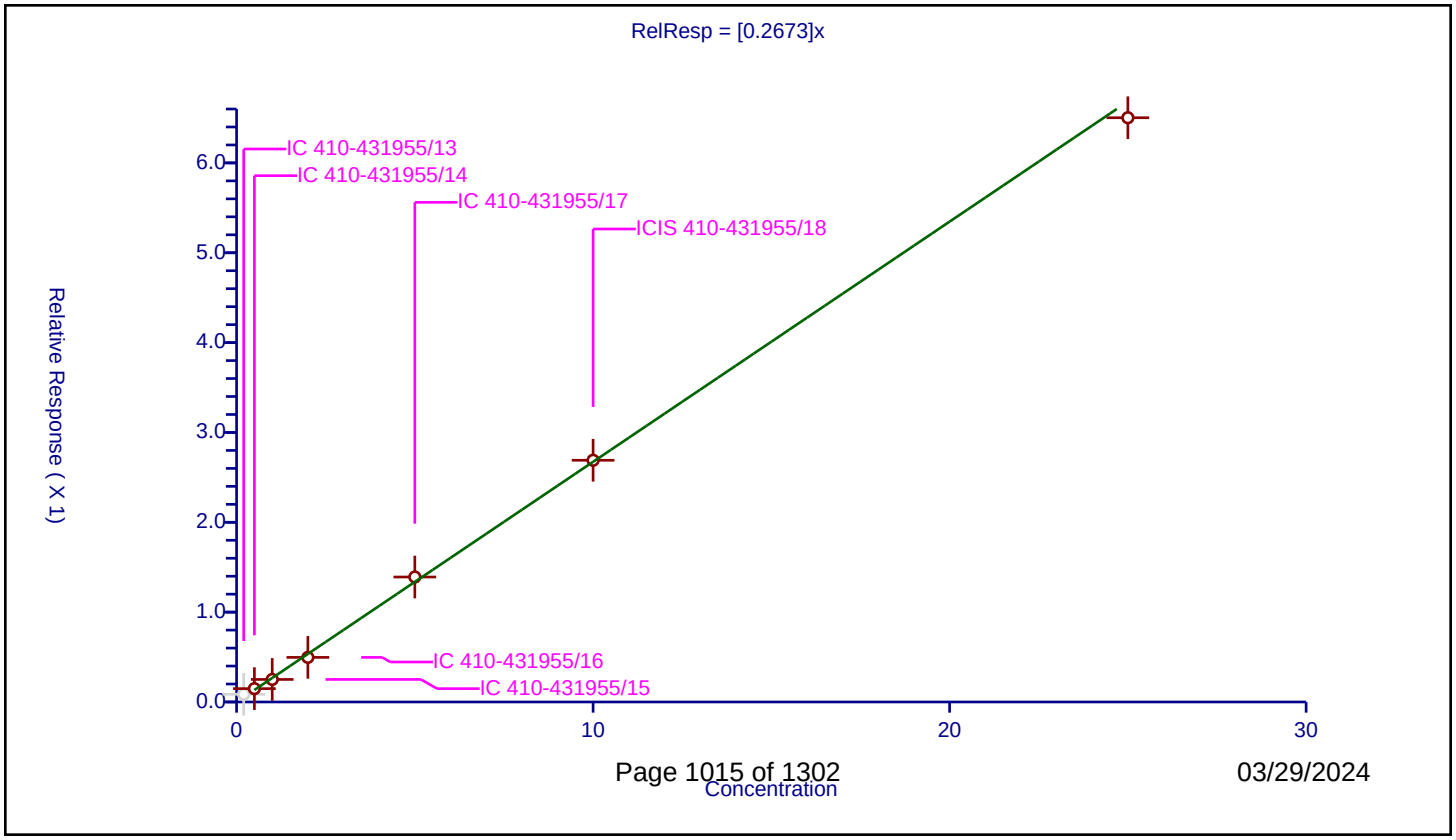
Curve Coefficients

Intercept:	0
Slope:	0.2673

Error Coefficients

Standard Error:	598000
Relative Standard Error:	6.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.085662	10.0	1727945.0	0.428312	N
2	IC 410-431955/14	0.5	0.148646	10.0	1732238.0	0.297292	Y
3	IC 410-431955/15	1.0	0.251071	10.0	1719834.0	0.251071	Y
4	IC 410-431955/16	2.0	0.496495	10.0	1746844.0	0.248248	Y
5	IC 410-431955/17	5.0	1.390896	10.0	1767939.0	0.278179	Y
6	ICIS 410-431955/18	10.0	2.690346	10.0	1790766.0	0.269035	Y
7	IC 410-431955/19	25.0	6.50296	10.0	1875183.0	0.260118	Y



Calibration / Acrolein

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

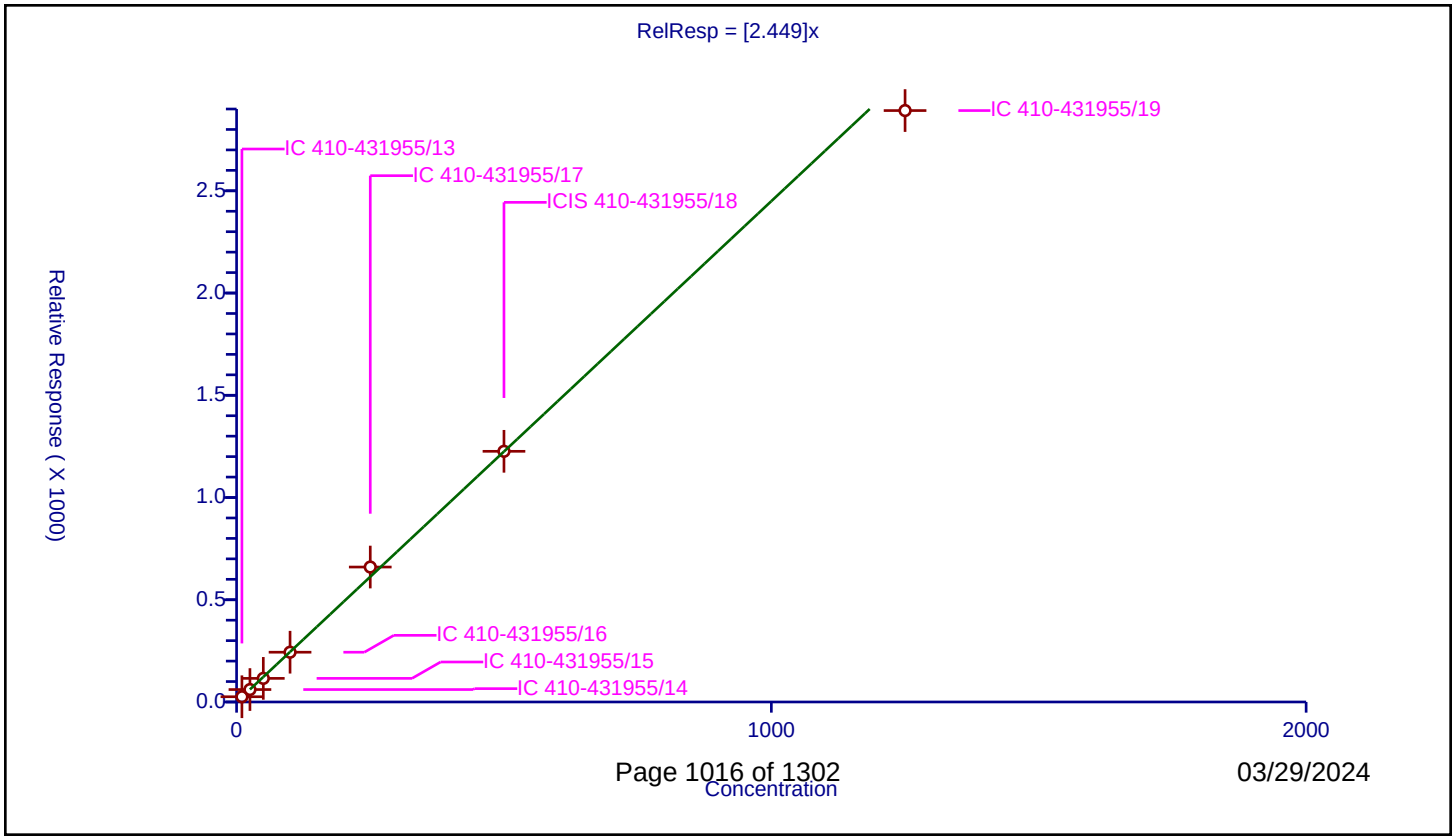
Curve Coefficients

Intercept:	0
Slope:	2.449

Error Coefficients

Standard Error:	2410000
Relative Standard Error:	4.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	10.000241	25.636747	50.0	75501.0	2.563613	Y
2	IC 410-431955/14	25.000603	60.833766	50.0	75057.0	2.433292	Y
3	IC 410-431955/15	50.001207	115.451476	50.0	79384.0	2.308974	Y
4	IC 410-431955/16	100.002413	243.473949	50.0	77137.0	2.434681	Y
5	IC 410-431955/17	250.006033	659.95005	50.0	78879.0	2.639737	Y
6	ICIS 410-431955/18	500.012065	1226.024558	50.0	83963.0	2.45199	Y
7	IC 410-431955/19	1250.030164	2892.434702	50.0	93724.0	2.313892	Y



Calibration / 1,1-Dichloroethene

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

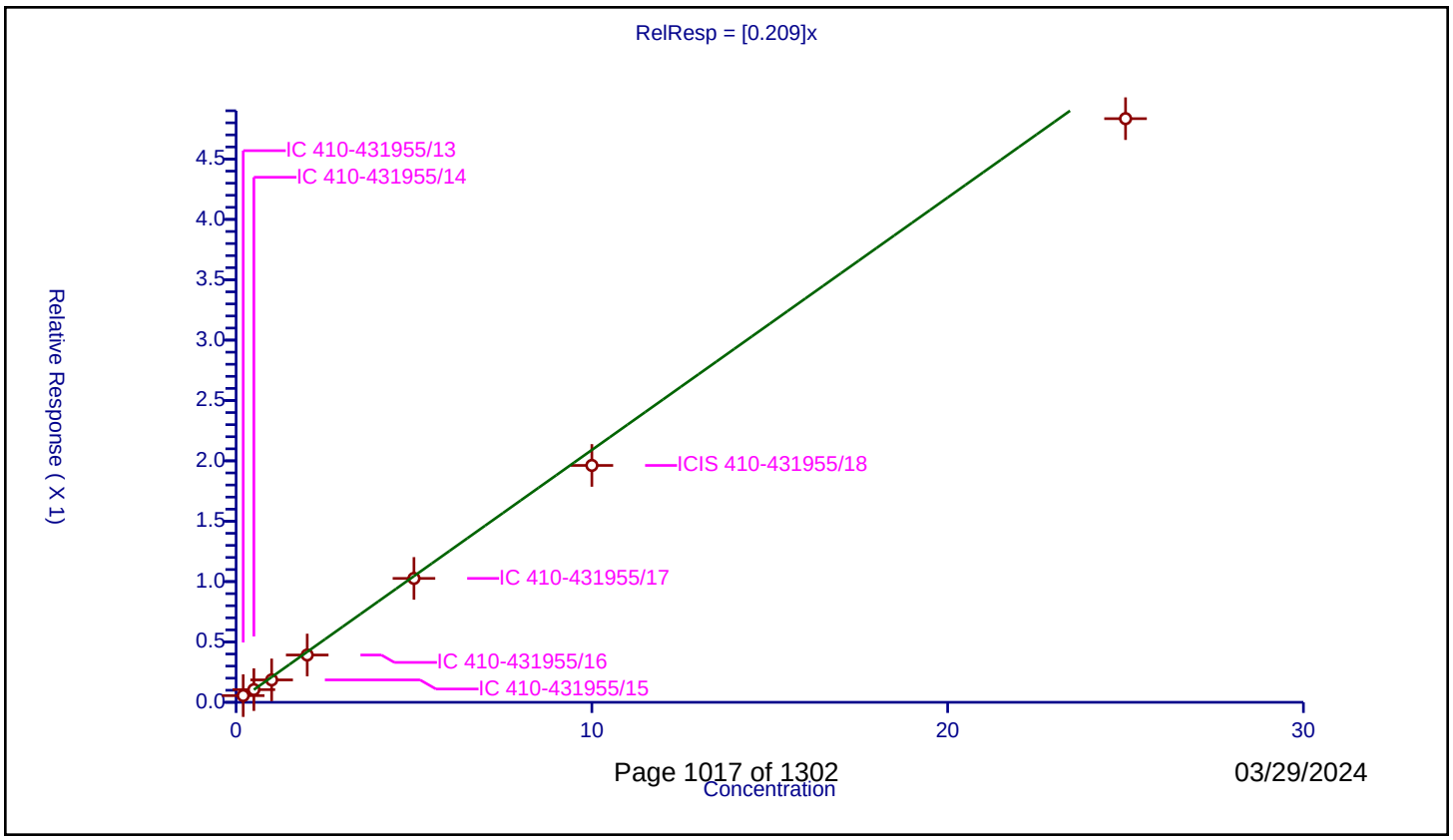
Curve Coefficients

Intercept:	0
Slope:	0.209

Error Coefficients

Standard Error:	405000
Relative Standard Error:	14.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.963

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.055424	10.0	1727945.0	0.277121	Y
2	IC 410-431955/14	0.5	0.104899	10.0	1732238.0	0.209798	Y
3	IC 410-431955/15	1.0	0.185588	10.0	1719834.0	0.185588	Y
4	IC 410-431955/16	2.0	0.391827	10.0	1746844.0	0.195913	Y
5	IC 410-431955/17	5.0	1.026353	10.0	1767939.0	0.205271	Y
6	ICIS 410-431955/18	10.0	1.962261	10.0	1790766.0	0.196226	Y
7	IC 410-431955/19	25.0	4.834568	10.0	1875183.0	0.193383	Y



Calibration / Acetone

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

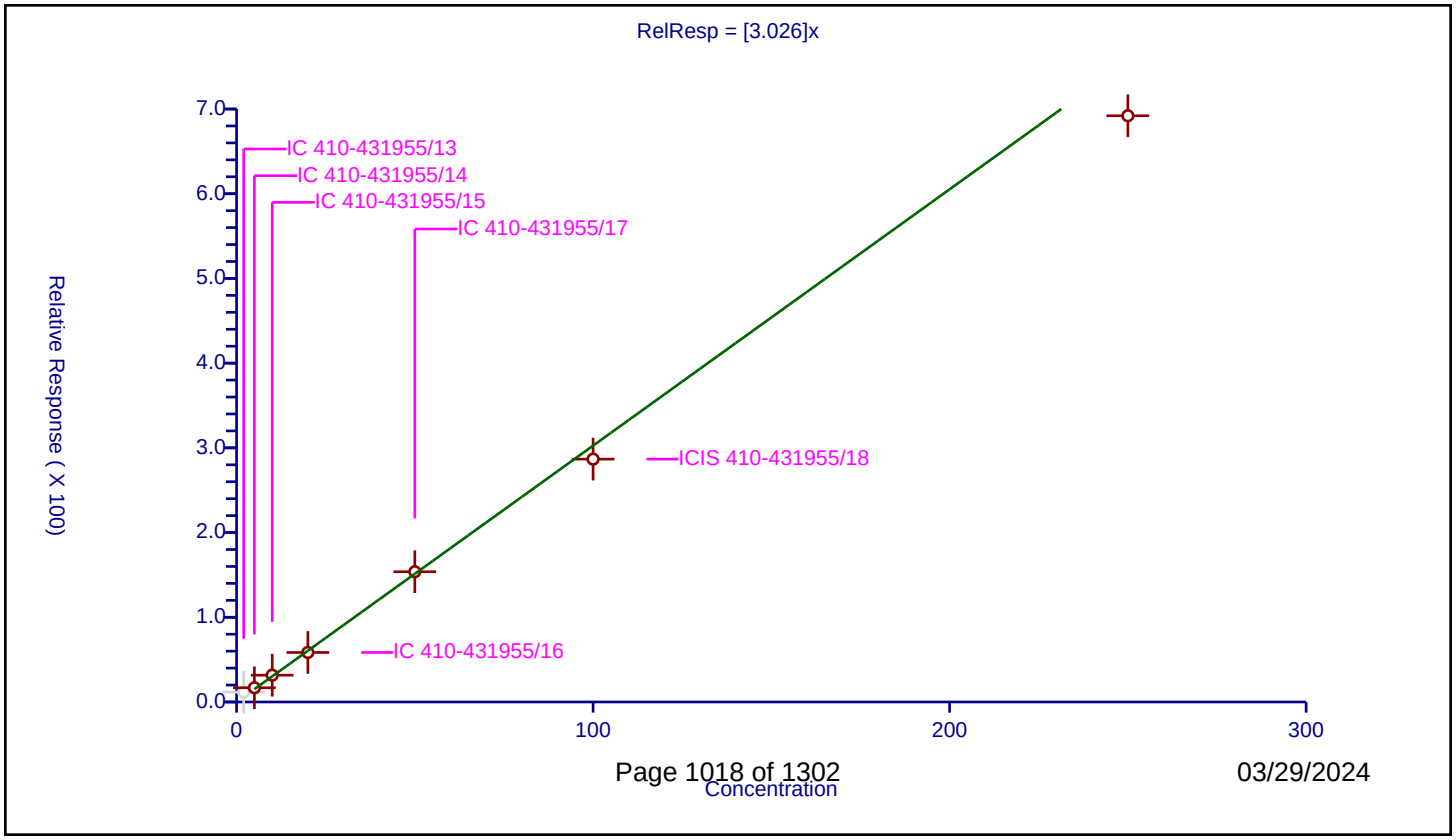
Curve Coefficients

Intercept:	0
Slope:	3.026

Error Coefficients

Standard Error:	630000
Relative Standard Error:	7.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	2.0	11.672693	50.0	75501.0	5.836347	N
2	IC 410-431955/14	5.0	16.787908	50.0	75057.0	3.357582	Y
3	IC 410-431955/15	10.0	31.660032	50.0	79384.0	3.166003	Y
4	IC 410-431955/16	20.0	58.442771	50.0	77137.0	2.922139	Y
5	IC 410-431955/17	50.0	153.754485	50.0	78879.0	3.07509	Y
6	ICIS 410-431955/18	100.0	286.709027	50.0	83963.0	2.86709	Y
7	IC 410-431955/19	250.0	692.030323	50.0	93724.0	2.768121	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

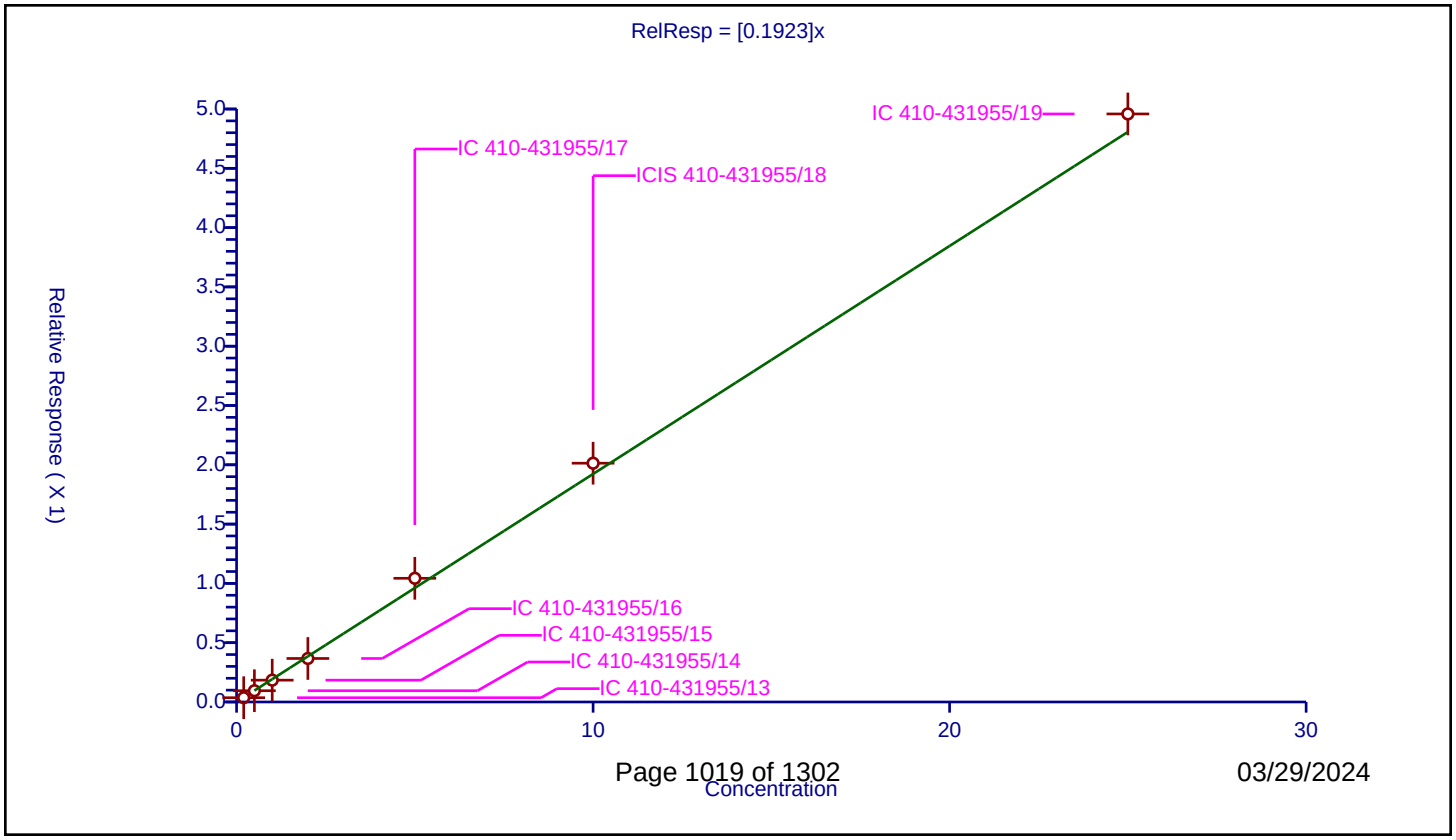
Curve Coefficients

Intercept:	0
Slope:	0.1923

Error Coefficients

Standard Error:	415000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.036083	10.0	1727945.0	0.180417	Y
2	IC 410-431955/14	0.5	0.094889	10.0	1732238.0	0.189778	Y
3	IC 410-431955/15	1.0	0.183971	10.0	1719834.0	0.183971	Y
4	IC 410-431955/16	2.0	0.366867	10.0	1746844.0	0.183434	Y
5	IC 410-431955/17	5.0	1.042983	10.0	1767939.0	0.208597	Y
6	ICIS 410-431955/18	10.0	2.013384	10.0	1790766.0	0.201338	Y
7	IC 410-431955/19	25.0	4.958487	10.0	1875183.0	0.198339	Y



Calibration / Iodomethane

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

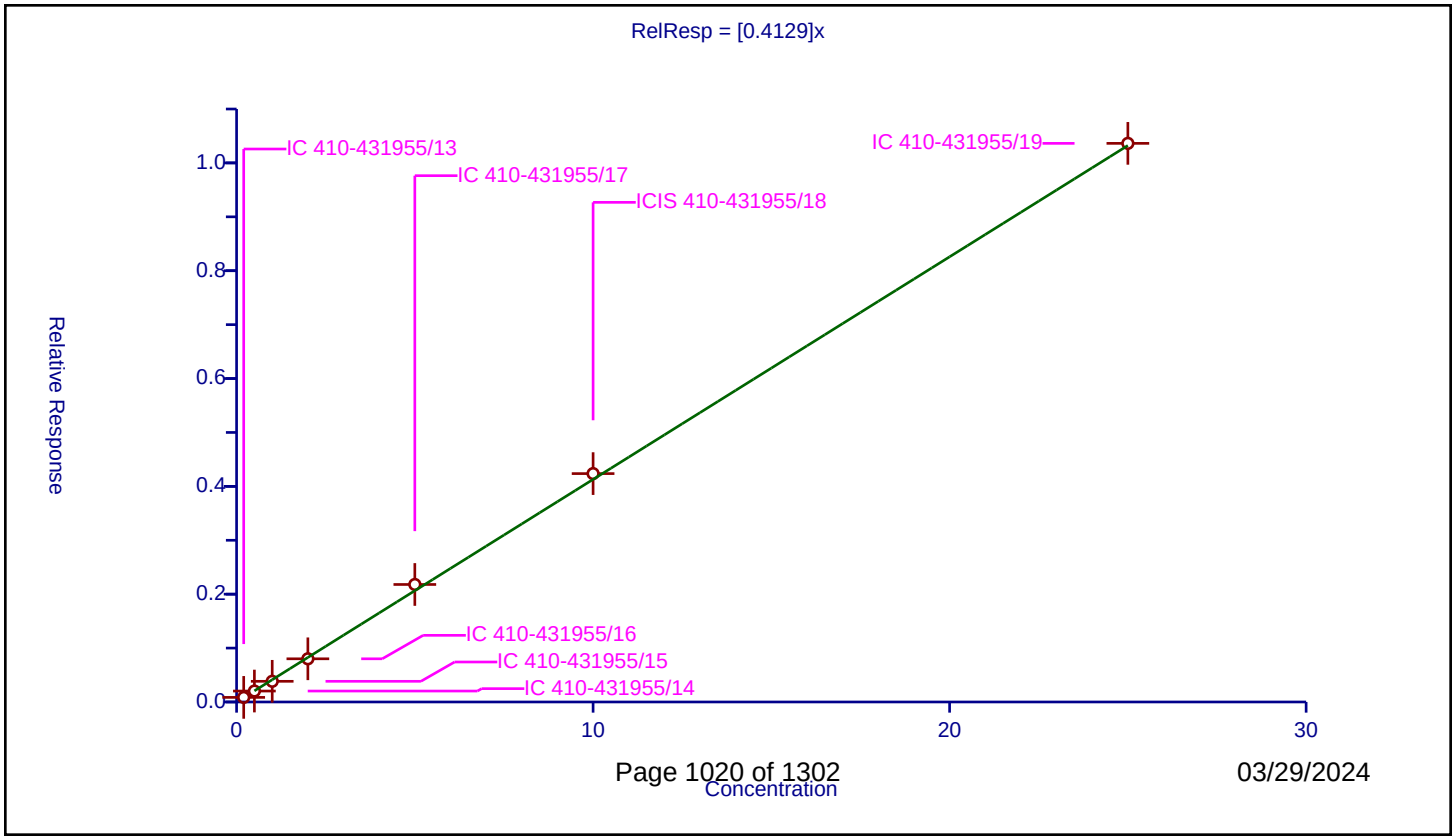
Curve Coefficients

Intercept:	0
Slope:	0.4129

Error Coefficients

Standard Error:	868000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.085263	10.0	1727945.0	0.426316	Y
2	IC 410-431955/14	0.5	0.20283	10.0	1732238.0	0.40566	Y
3	IC 410-431955/15	1.0	0.383857	10.0	1719834.0	0.383857	Y
4	IC 410-431955/16	2.0	0.800942	10.0	1746844.0	0.400471	Y
5	IC 410-431955/17	5.0	2.179939	10.0	1767939.0	0.435988	Y
6	ICIS 410-431955/18	10.0	4.236489	10.0	1790766.0	0.423649	Y
7	IC 410-431955/19	25.0	10.362855	10.0	1875183.0	0.414514	Y



Calibration / Ethyl bromide

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

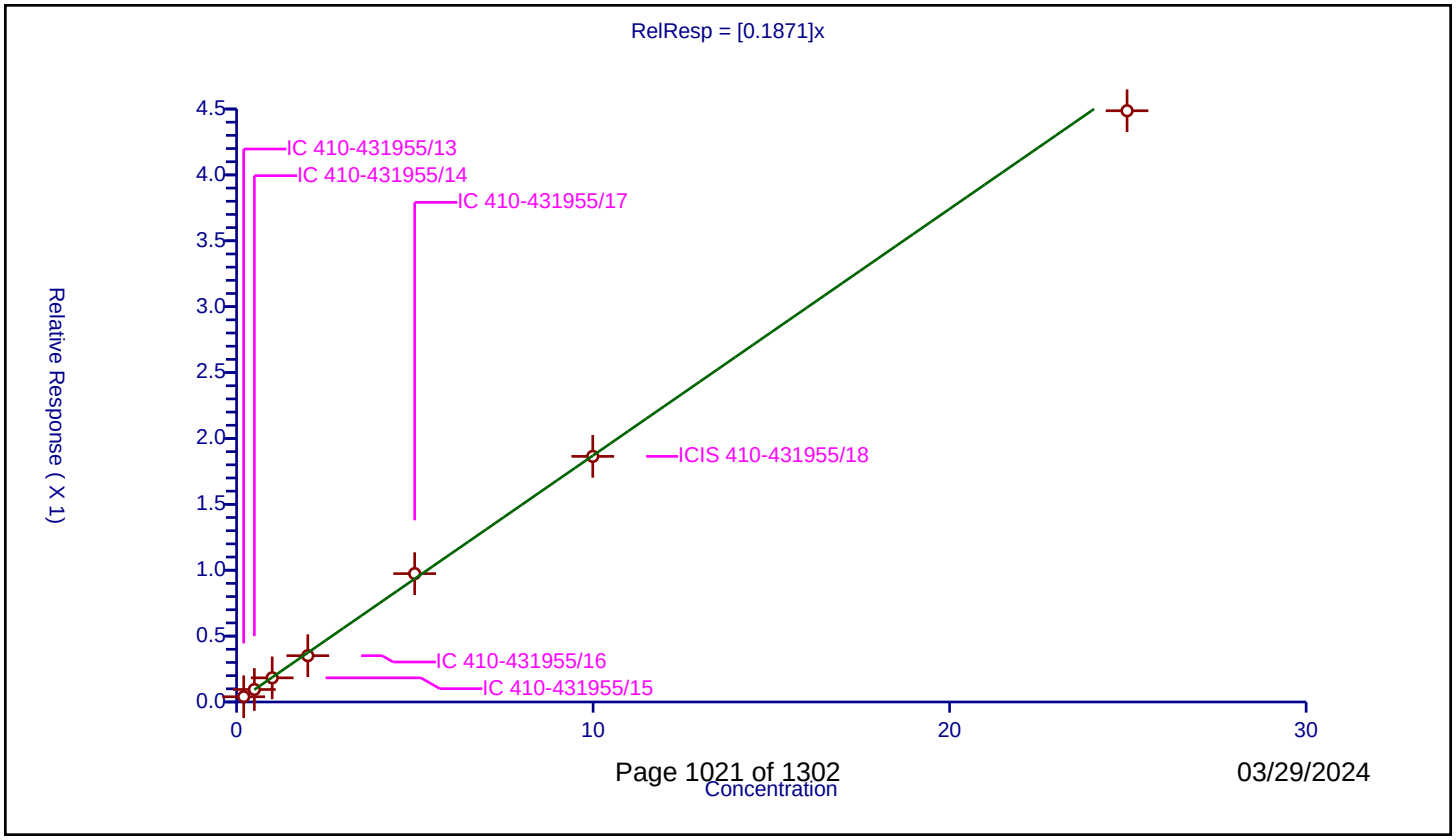
Curve Coefficients

Intercept:	0
Slope:	0.1871

Error Coefficients

Standard Error:	377000
Relative Standard Error:	4.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.199819	0.039799	10.0	1727945.0	0.199174	Y
2	IC 410-431955/14	0.499548	0.094895	10.0	1732238.0	0.189961	Y
3	IC 410-431955/15	0.999096	0.183256	10.0	1719834.0	0.183422	Y
4	IC 410-431955/16	1.998192	0.35148	10.0	1746844.0	0.175899	Y
5	IC 410-431955/17	4.99548	0.974134	10.0	1767939.0	0.195003	Y
6	ICIS 410-431955/18	9.99096	1.863957	10.0	1790766.0	0.186564	Y
7	IC 410-431955/19	24.9774	4.486826	10.0	1875183.0	0.179635	Y



Calibration / Carbon disulfide

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

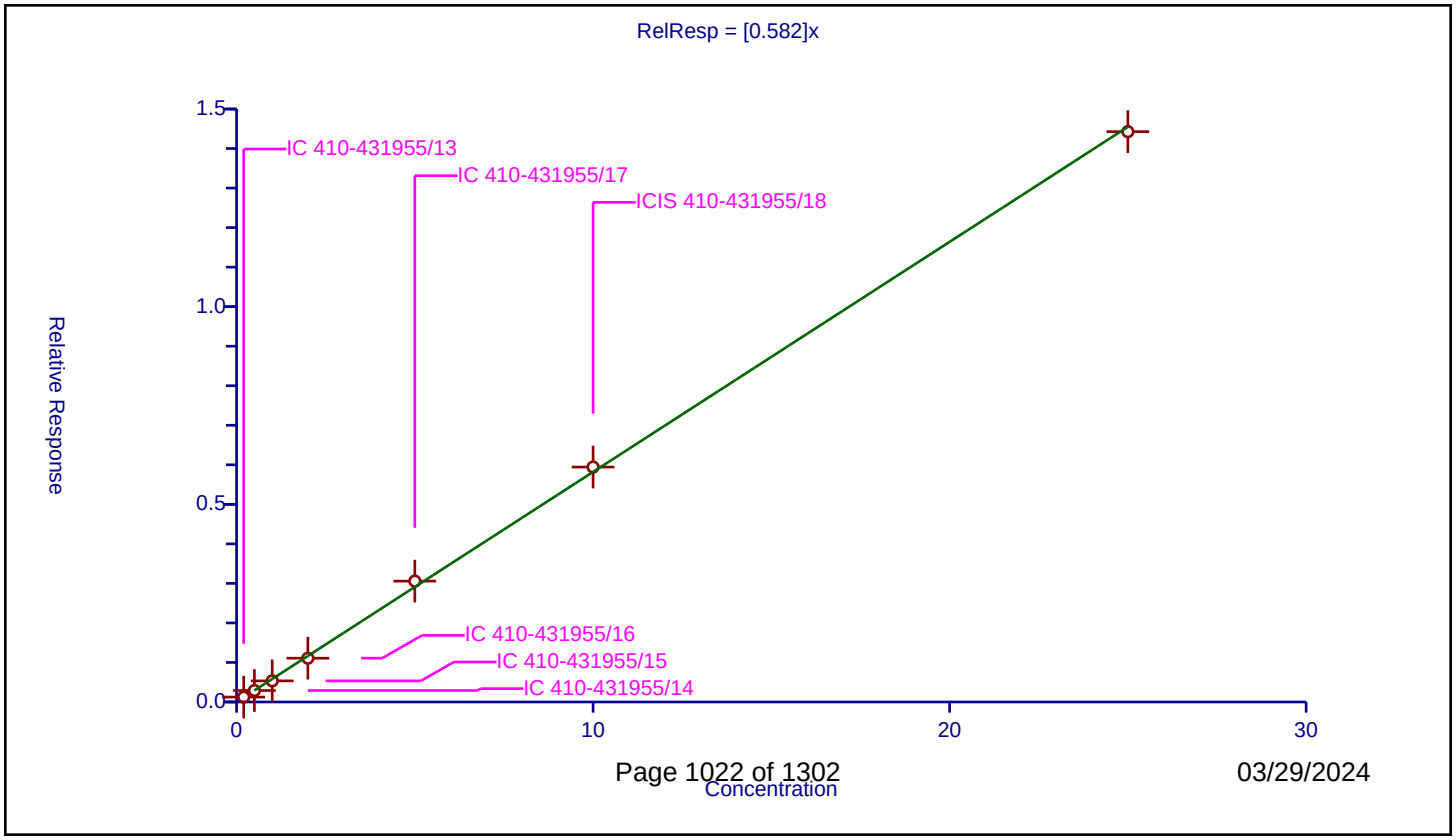
Curve Coefficients

Intercept:	0
Slope:	0.582

Error Coefficients

Standard Error:	1210000
Relative Standard Error:	5.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.124333	10.0	1727945.0	0.621663	Y
2	IC 410-431955/14	0.5	0.290462	10.0	1732238.0	0.580925	Y
3	IC 410-431955/15	1.0	0.534185	10.0	1719834.0	0.534185	Y
4	IC 410-431955/16	2.0	1.108096	10.0	1746844.0	0.554048	Y
5	IC 410-431955/17	5.0	3.057515	10.0	1767939.0	0.611503	Y
6	ICIS 410-431955/18	10.0	5.942775	10.0	1790766.0	0.594278	Y
7	IC 410-431955/19	25.0	14.427163	10.0	1875183.0	0.577087	Y



Calibration / Methyl acetate

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

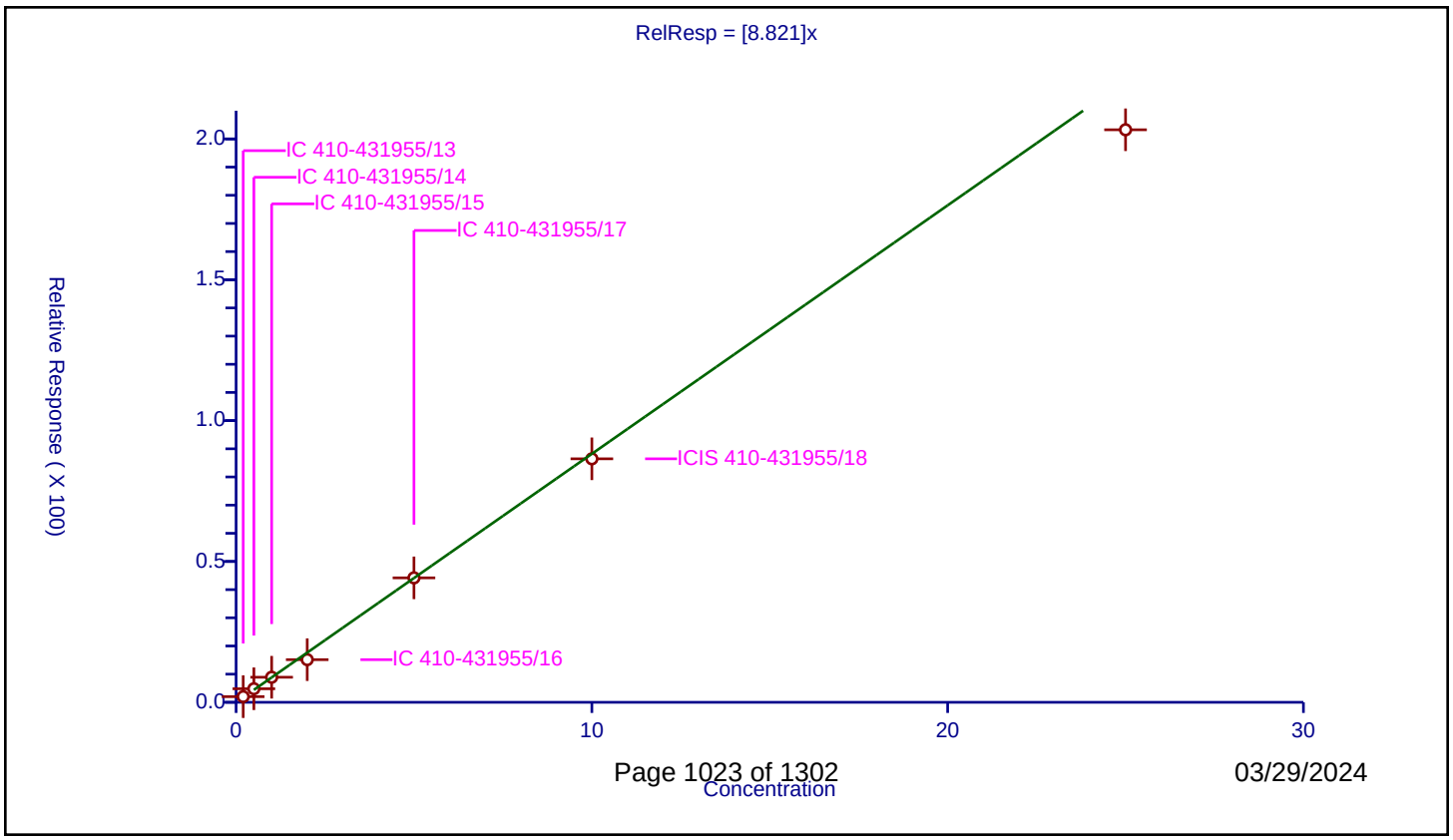
Curve Coefficients

Intercept:	0
Slope:	8.821

Error Coefficients

Standard Error:	169000
Relative Standard Error:	9.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	2.008583	50.0	75501.0	10.042913	Y
2	IC 410-431955/14	0.5	4.811676	50.0	75057.0	9.623353	Y
3	IC 410-431955/15	1.0	8.896629	50.0	79384.0	8.896629	Y
4	IC 410-431955/16	2.0	15.143835	50.0	77137.0	7.571917	Y
5	IC 410-431955/17	5.0	44.182862	50.0	78879.0	8.836572	Y
6	ICIS 410-431955/18	10.0	86.44522	50.0	83963.0	8.644522	Y
7	IC 410-431955/19	25.0	203.246767	50.0	93724.0	8.129871	Y



03/29/2024

Calibration / 3-Chloro-1-propene

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

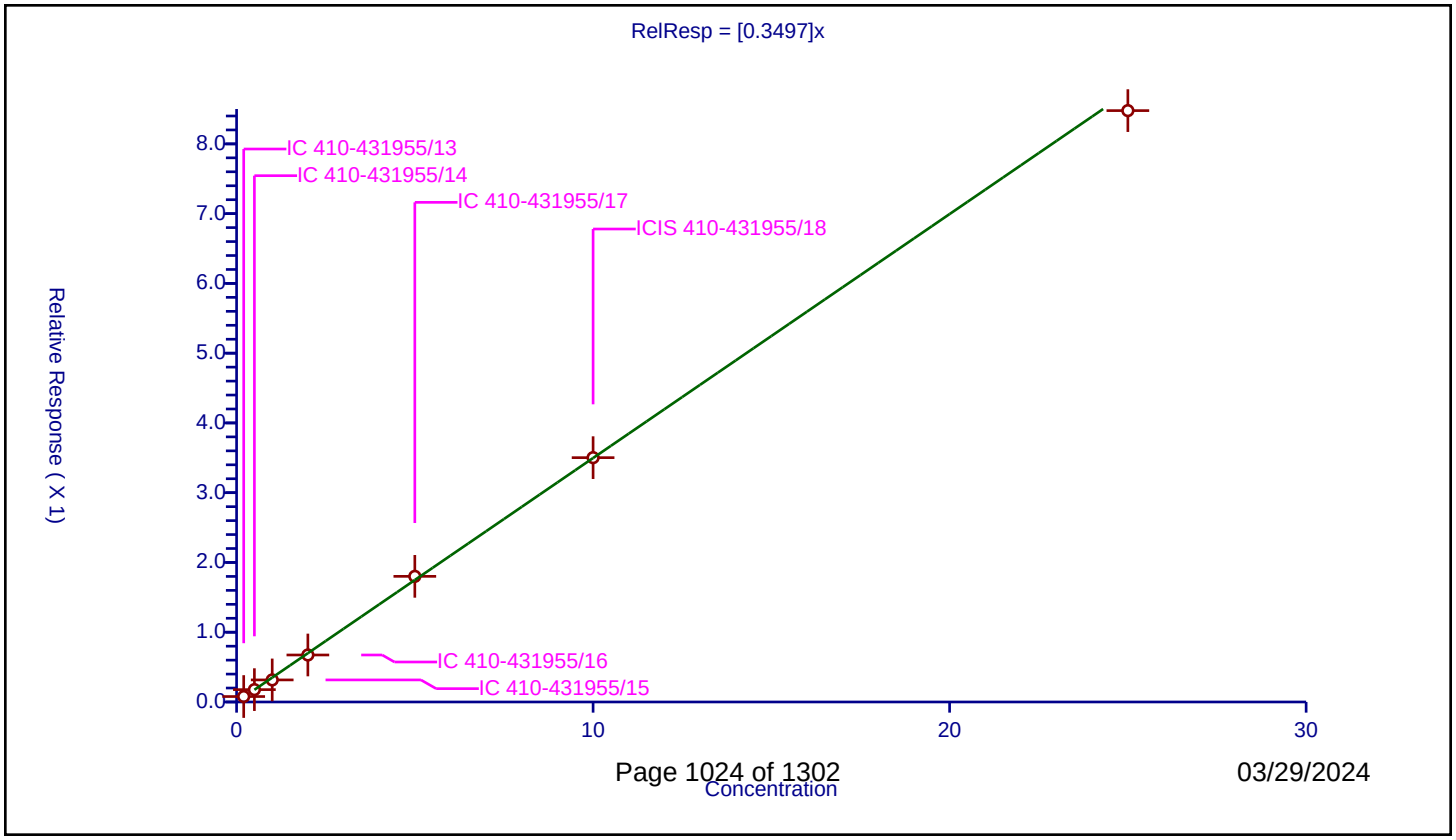
Curve Coefficients

Intercept:	0
Slope:	0.3497

Error Coefficients

Standard Error:	712000
Relative Standard Error:	6.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.078099	10.0	1727945.0	0.390493	Y
2	IC 410-431955/14	0.5	0.177349	10.0	1732238.0	0.354697	Y
3	IC 410-431955/15	1.0	0.316397	10.0	1719834.0	0.316397	Y
4	IC 410-431955/16	2.0	0.673729	10.0	1746844.0	0.336865	Y
5	IC 410-431955/17	5.0	1.800894	10.0	1767939.0	0.360179	Y
6	ICIS 410-431955/18	10.0	3.502362	10.0	1790766.0	0.350236	Y
7	IC 410-431955/19	25.0	8.476895	10.0	1875183.0	0.339076	Y



Calibration / Methylene Chloride

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

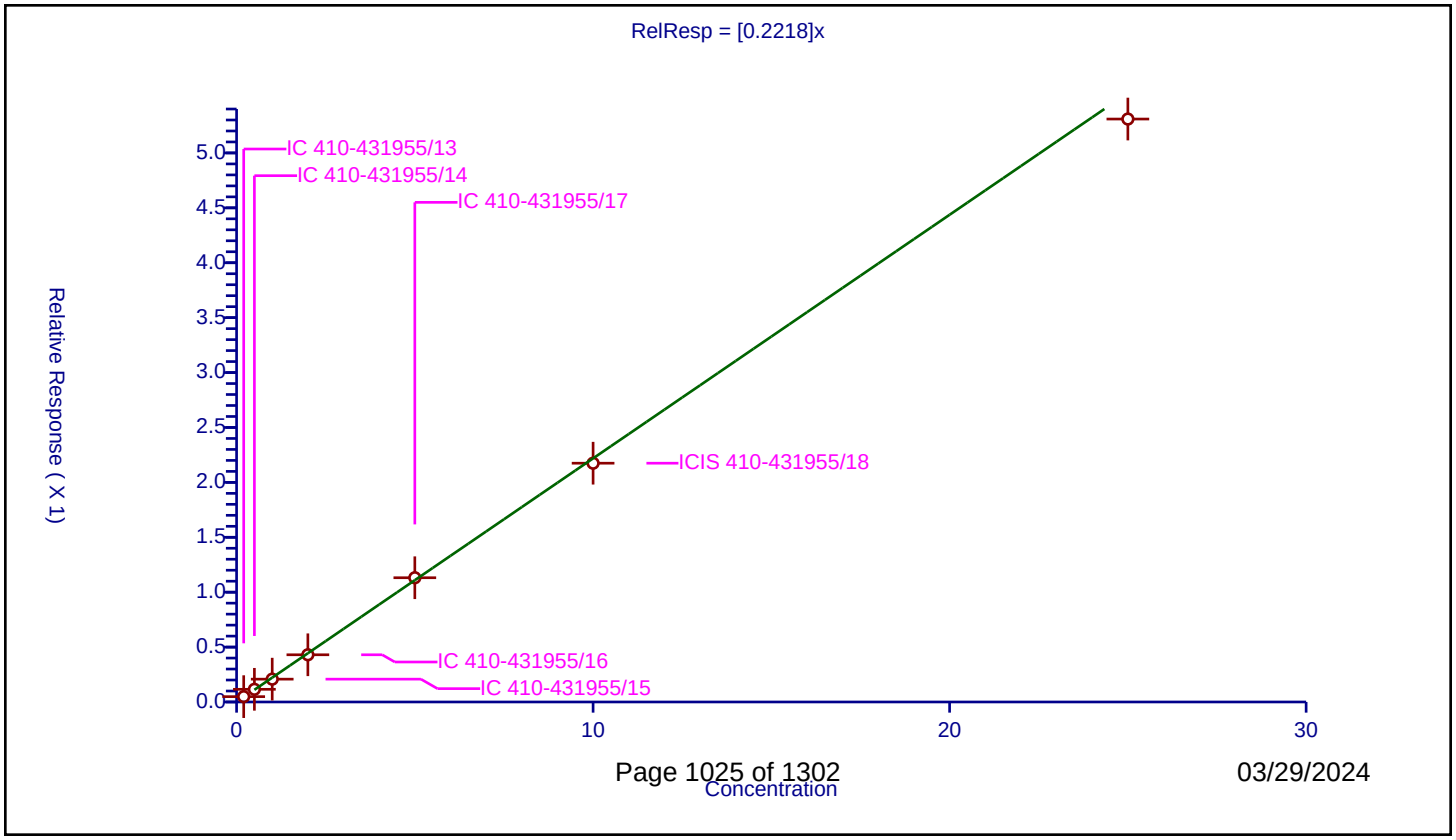
Curve Coefficients

Intercept:	0
Slope:	0.2218

Error Coefficients

Standard Error:	445000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.048584	10.0	1727945.0	0.242919	Y
2	IC 410-431955/14	0.5	0.115486	10.0	1732238.0	0.230973	Y
3	IC 410-431955/15	1.0	0.207956	10.0	1719834.0	0.207956	Y
4	IC 410-431955/16	2.0	0.42997	10.0	1746844.0	0.214985	Y
5	IC 410-431955/17	5.0	1.131493	10.0	1767939.0	0.226299	Y
6	ICIS 410-431955/18	10.0	2.174449	10.0	1790766.0	0.217445	Y
7	IC 410-431955/19	25.0	5.308613	10.0	1875183.0	0.212345	Y



Calibration / 2-Methyl-2-propanol

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

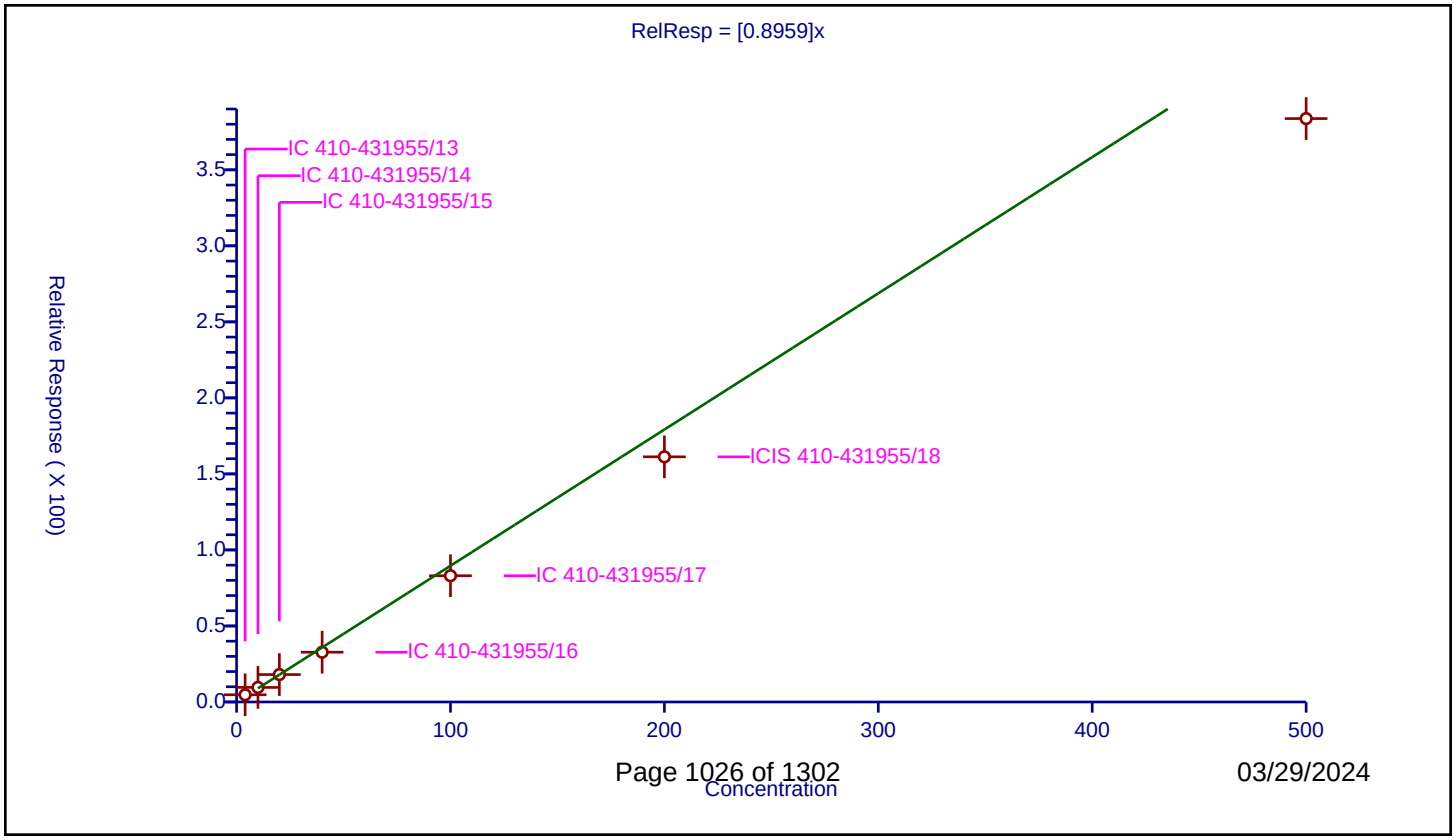
Curve Coefficients

Intercept:	0
Slope:	0.8959

Error Coefficients

Standard Error:	319000
Relative Standard Error:	16.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.956

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	4.0	4.748281	50.0	75501.0	1.18707	Y
2	IC 410-431955/14	10.0	9.59271	50.0	75057.0	0.959271	Y
3	IC 410-431955/15	20.0	18.042679	50.0	79384.0	0.902134	Y
4	IC 410-431955/16	40.0	32.75082	50.0	77137.0	0.81877	Y
5	IC 410-431955/17	100.0	83.037944	50.0	78879.0	0.830379	Y
6	ICIS 410-431955/18	200.0	161.234115	50.0	83963.0	0.806171	Y
7	IC 410-431955/19	500.0	383.701613	50.0	93724.0	0.767403	Y



Calibration / Acrylonitrile

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

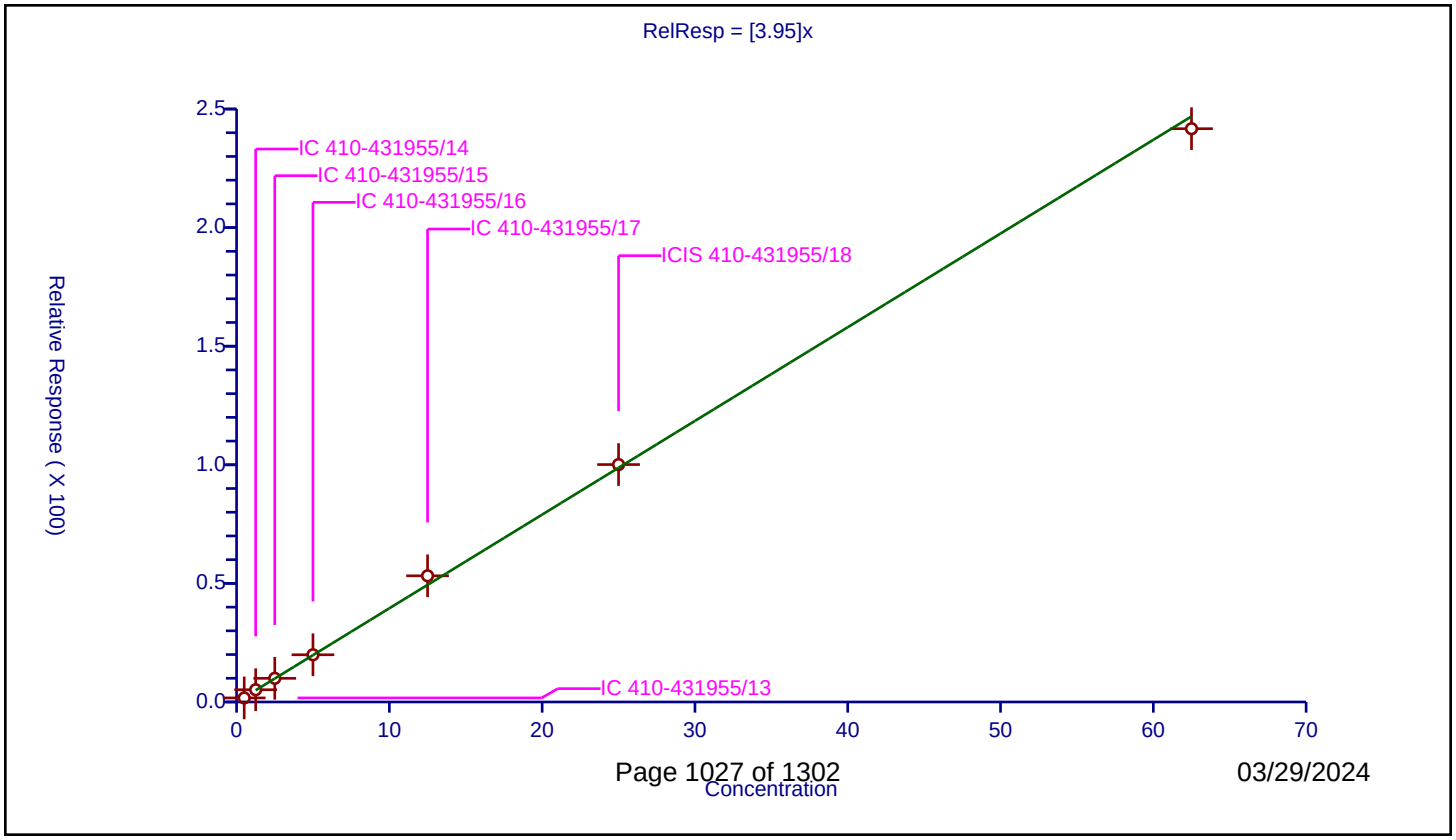
Curve Coefficients

Intercept:	0
Slope:	3.95

Error Coefficients

Standard Error:	201000
Relative Standard Error:	6.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.5	1.709911	50.0	75501.0	3.419822	Y
2	IC 410-431955/14	1.25	5.163409	50.0	75057.0	4.130727	Y
3	IC 410-431955/15	2.5	9.98186	50.0	79384.0	3.992744	Y
4	IC 410-431955/16	5.0	19.900307	50.0	77137.0	3.980061	Y
5	IC 410-431955/17	12.5	53.197936	50.0	78879.0	4.255835	Y
6	ICIS 410-431955/18	25.0	100.095876	50.0	83963.0	4.003835	Y
7	IC 410-431955/19	62.5	241.707567	50.0	93724.0	3.867321	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

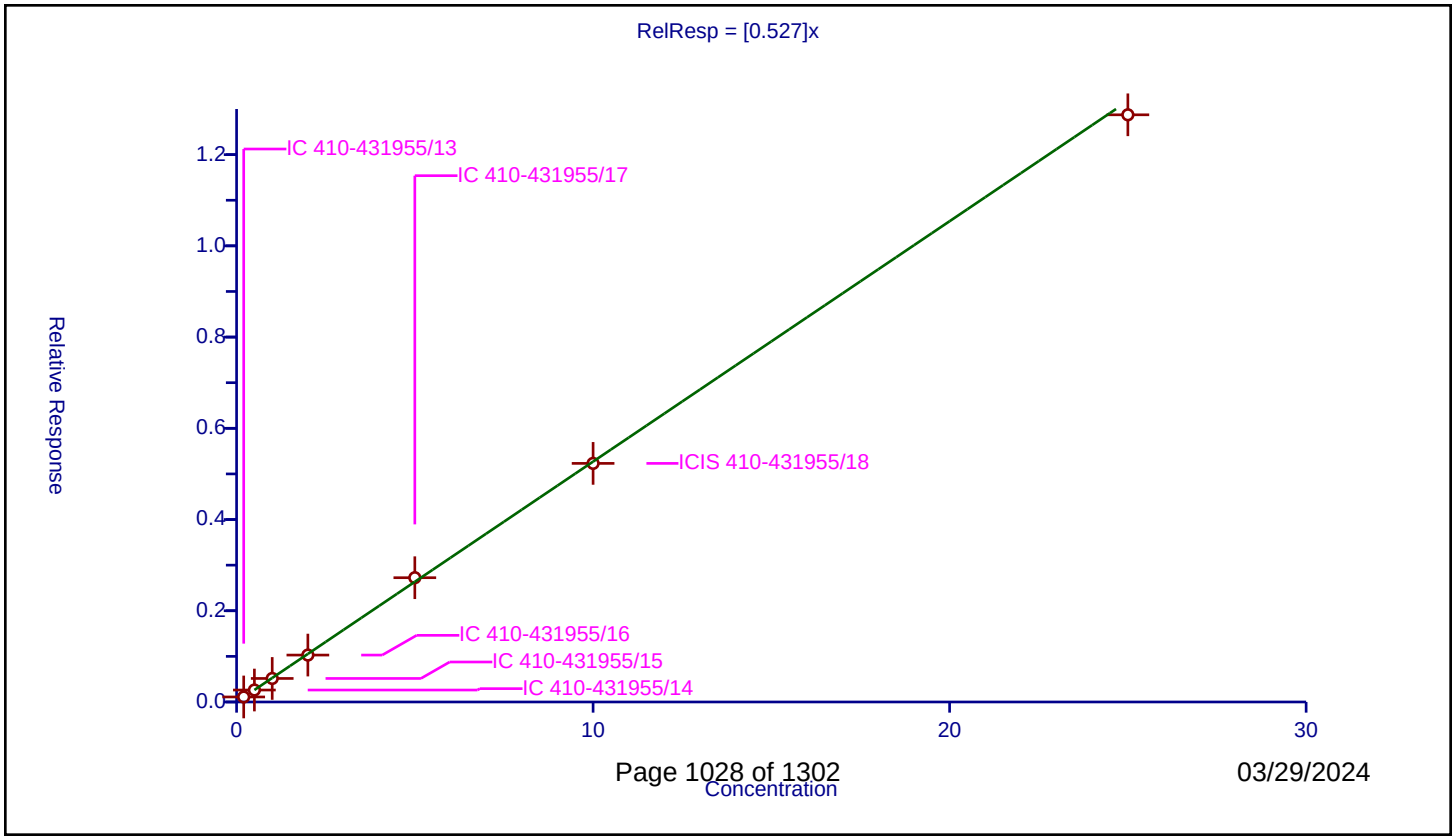
Curve Coefficients

Intercept:	0
Slope:	0.527

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.110304	10.0	1727945.0	0.551522	Y
2	IC 410-431955/14	0.5	0.262256	10.0	1732238.0	0.524512	Y
3	IC 410-431955/15	1.0	0.515777	10.0	1719834.0	0.515777	Y
4	IC 410-431955/16	2.0	1.028644	10.0	1746844.0	0.514322	Y
5	IC 410-431955/17	5.0	2.724387	10.0	1767939.0	0.544877	Y
6	ICIS 410-431955/18	10.0	5.230951	10.0	1790766.0	0.523095	Y
7	IC 410-431955/19	25.0	12.873394	10.0	1875183.0	0.514936	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

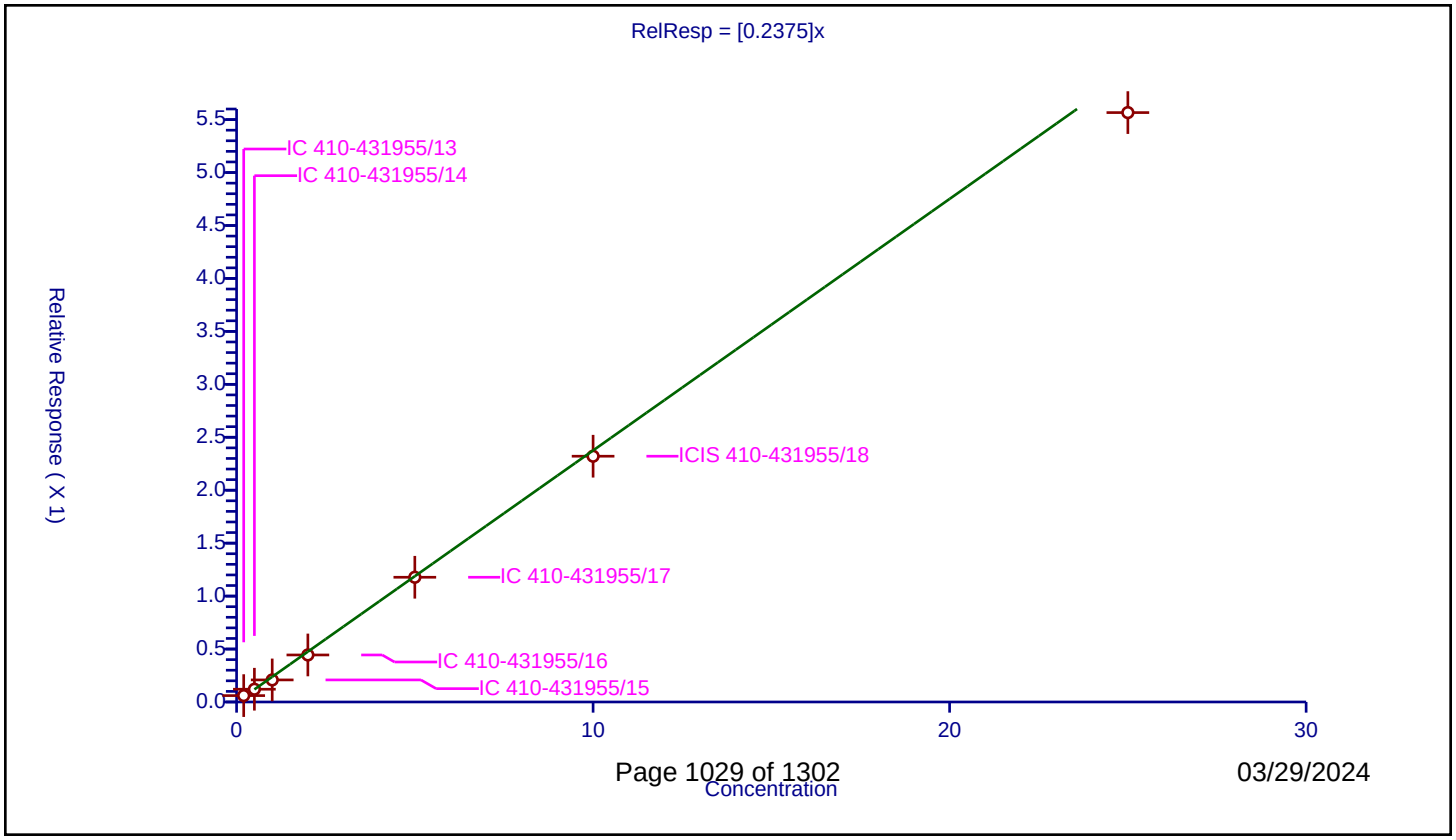
Curve Coefficients

Intercept:	0
Slope:	0.2375

Error Coefficients

Standard Error:	468000
Relative Standard Error:	12.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.06021	10.0	1727945.0	0.301051	Y
2	IC 410-431955/14	0.5	0.120486	10.0	1732238.0	0.240972	Y
3	IC 410-431955/15	1.0	0.208352	10.0	1719834.0	0.208352	Y
4	IC 410-431955/16	2.0	0.444161	10.0	1746844.0	0.222081	Y
5	IC 410-431955/17	5.0	1.17788	10.0	1767939.0	0.235576	Y
6	ICIS 410-431955/18	10.0	2.321169	10.0	1790766.0	0.232117	Y
7	IC 410-431955/19	25.0	5.566342	10.0	1875183.0	0.222654	Y



Calibration / Hexane

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

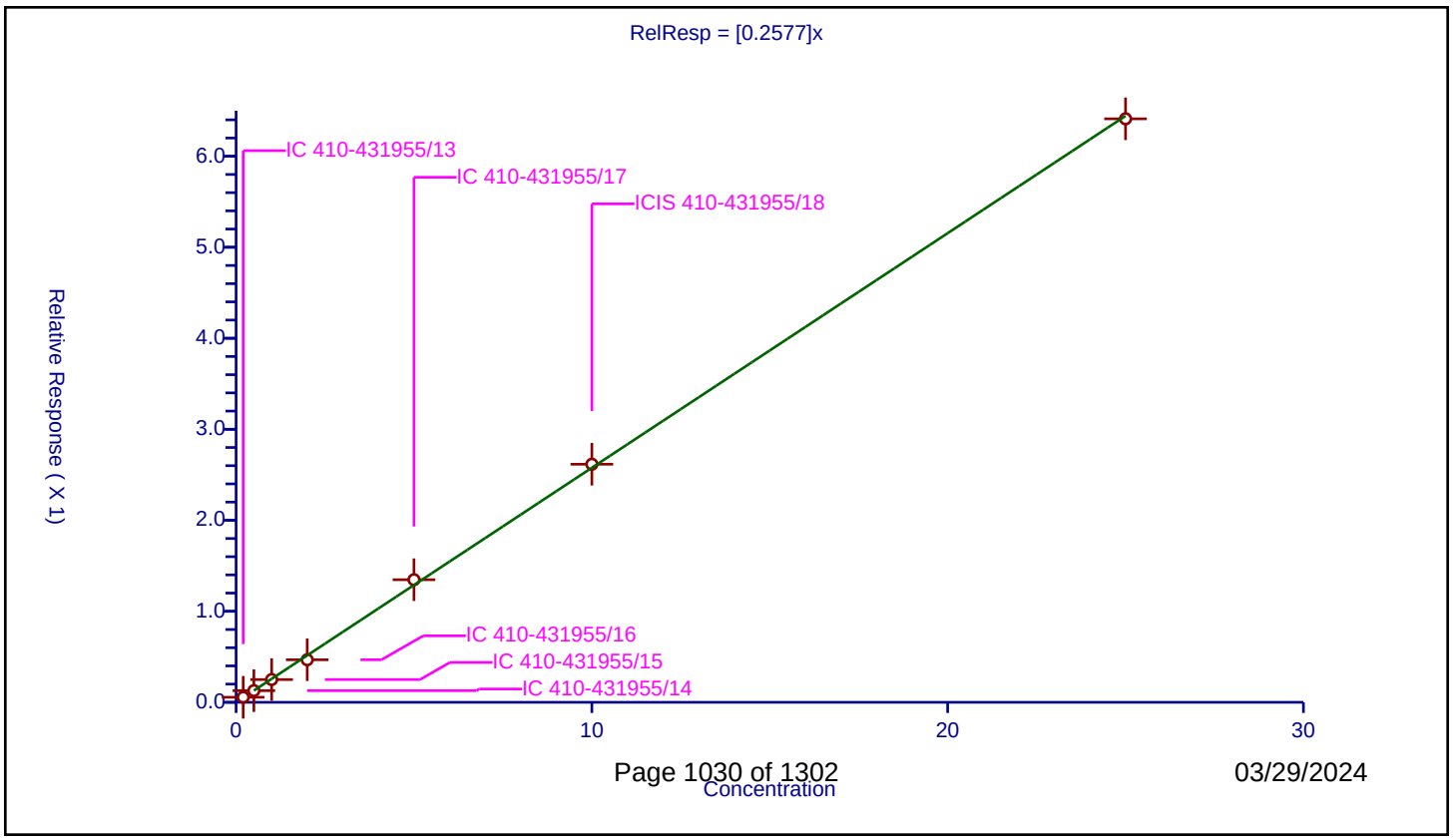
Curve Coefficients

Intercept:	0
Slope:	0.2577

Error Coefficients

Standard Error:	537000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.055332	10.0	1727945.0	0.276658	Y
2	IC 410-431955/14	0.5	0.128083	10.0	1732238.0	0.256166	Y
3	IC 410-431955/15	1.0	0.250065	10.0	1719834.0	0.250065	Y
4	IC 410-431955/16	2.0	0.467443	10.0	1746844.0	0.233722	Y
5	IC 410-431955/17	5.0	1.347066	10.0	1767939.0	0.269413	Y
6	ICIS 410-431955/18	10.0	2.615942	10.0	1790766.0	0.261594	Y
7	IC 410-431955/19	25.0	6.411284	10.0	1875183.0	0.256451	Y



Calibration / 1,1-Dichloroethane

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

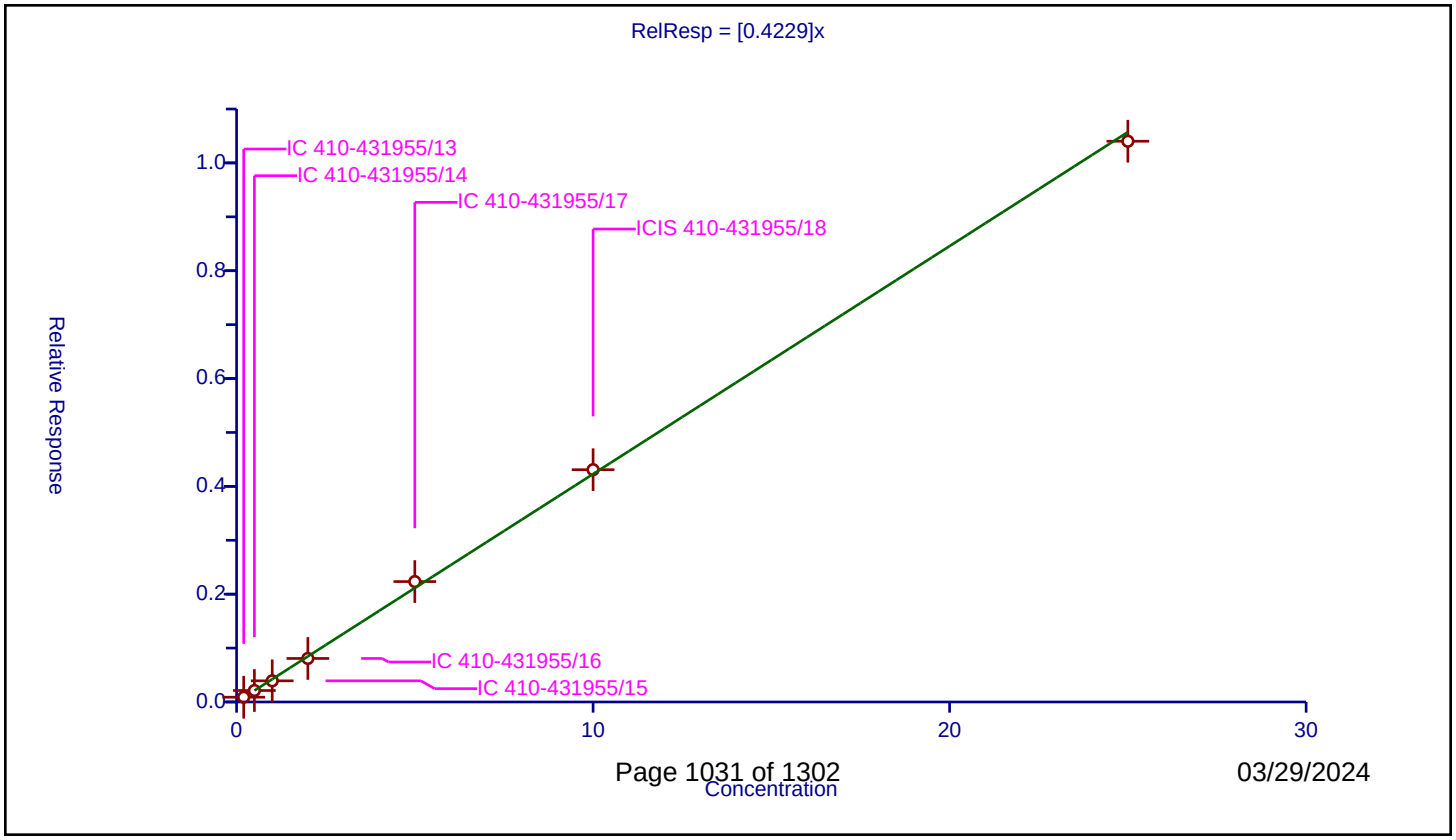
Curve Coefficients

Intercept:	0
Slope:	0.4229

Error Coefficients

Standard Error:	874000
Relative Standard Error:	4.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.088788	10.0	1727945.0	0.443938	Y
2	IC 410-431955/14	0.5	0.213048	10.0	1732238.0	0.426096	Y
3	IC 410-431955/15	1.0	0.392456	10.0	1719834.0	0.392456	Y
4	IC 410-431955/16	2.0	0.807742	10.0	1746844.0	0.403871	Y
5	IC 410-431955/17	5.0	2.233567	10.0	1767939.0	0.446713	Y
6	ICIS 410-431955/18	10.0	4.308743	10.0	1790766.0	0.430874	Y
7	IC 410-431955/19	25.0	10.40227	10.0	1875183.0	0.416091	Y



Calibration / Isopropyl ether

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

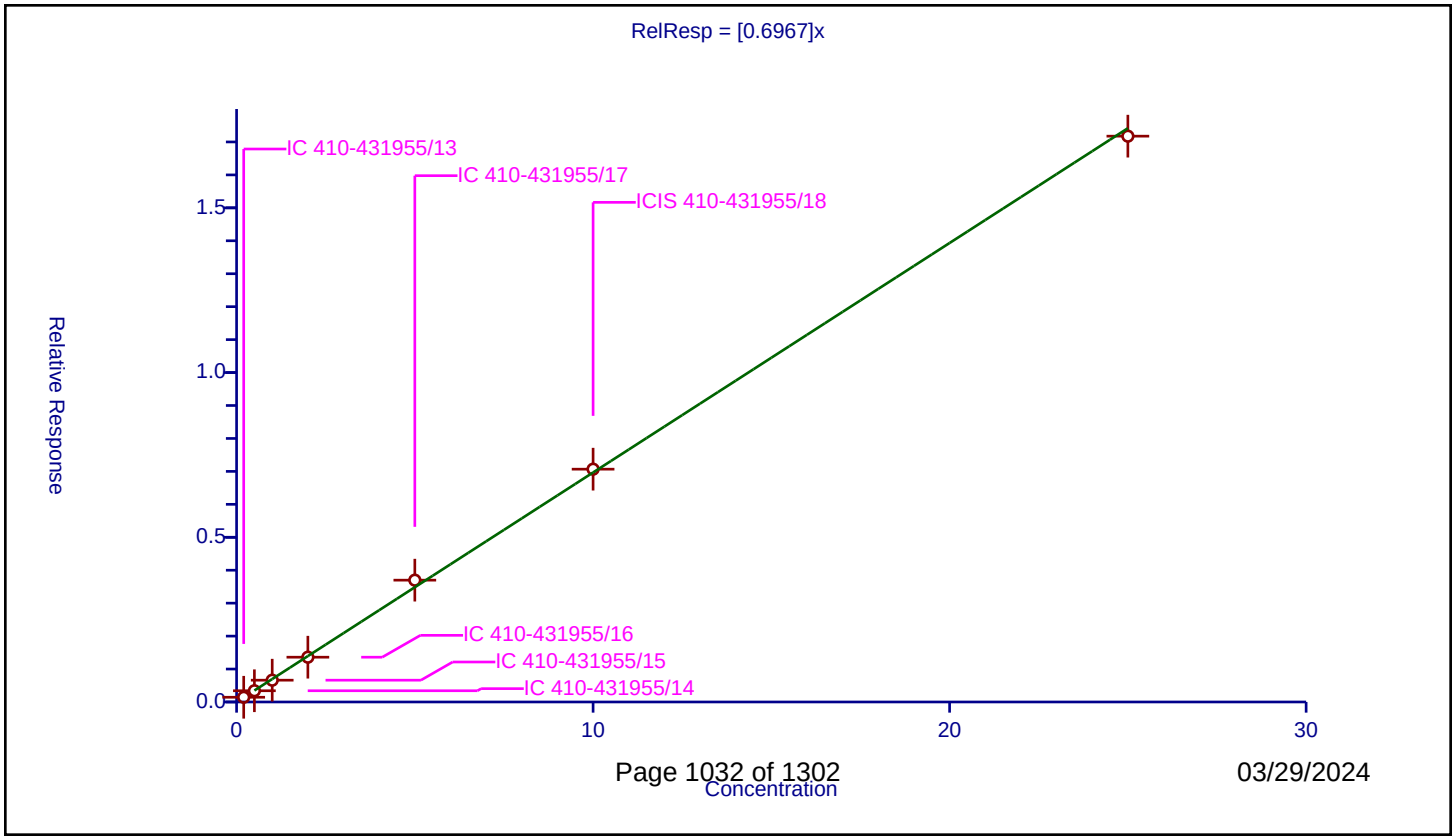
Curve Coefficients

Intercept:	0
Slope:	0.6967

Error Coefficients

Standard Error:	1440000
Relative Standard Error:	3.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.143865	10.0	1727945.0	0.719323	Y
2	IC 410-431955/14	0.5	0.341304	10.0	1732238.0	0.682608	Y
3	IC 410-431955/15	1.0	0.661622	10.0	1719834.0	0.661622	Y
4	IC 410-431955/16	2.0	1.359309	10.0	1746844.0	0.679654	Y
5	IC 410-431955/17	5.0	3.69795	10.0	1767939.0	0.73959	Y
6	ICIS 410-431955/18	10.0	7.067411	10.0	1790766.0	0.706741	Y
7	IC 410-431955/19	25.0	17.176089	10.0	1875183.0	0.687044	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

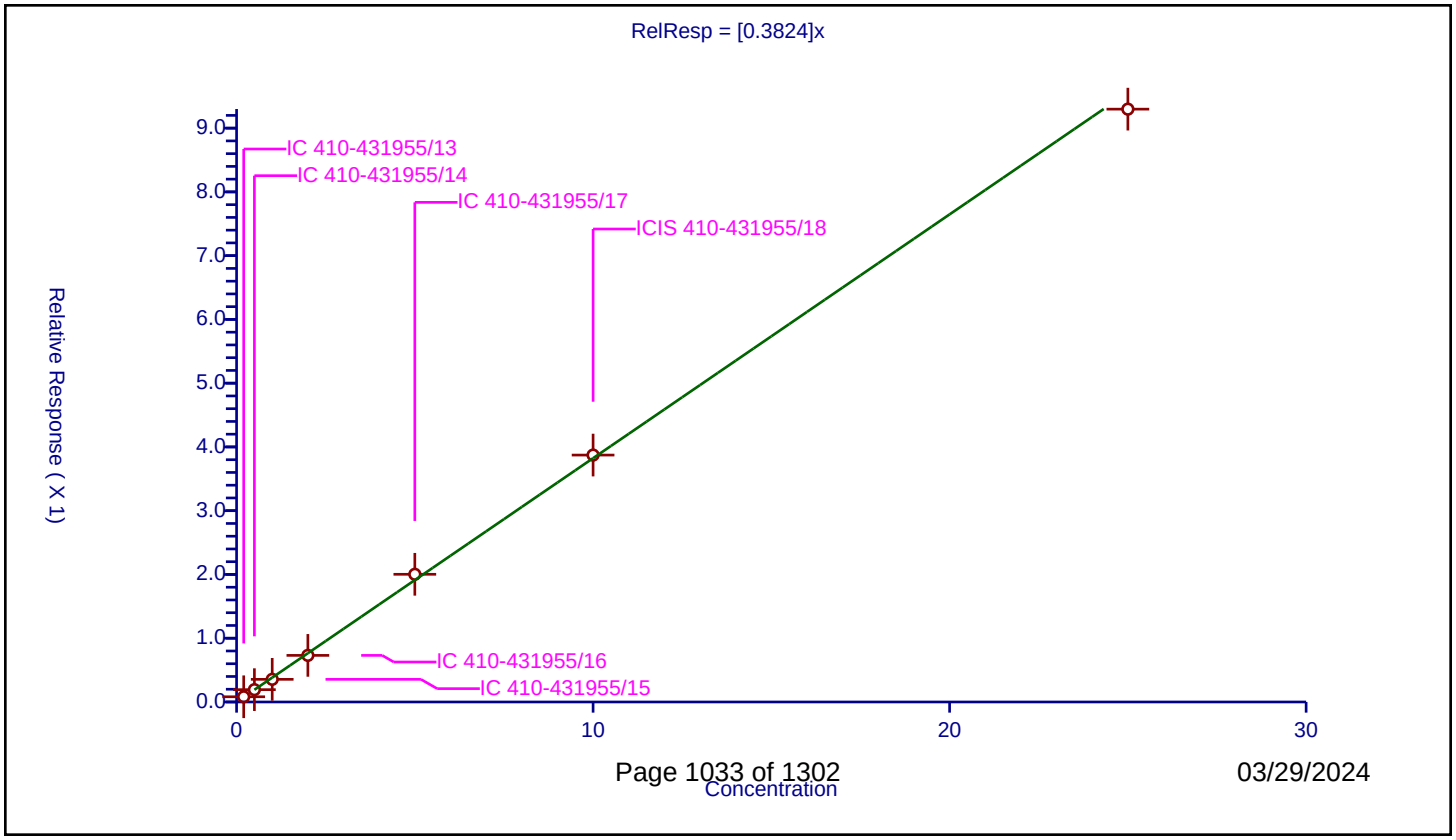
Curve Coefficients

Intercept:	0
Slope:	0.3824

Error Coefficients

Standard Error:	782000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.081907	10.0	1727945.0	0.409533	Y
2	IC 410-431955/14	0.5	0.193357	10.0	1732238.0	0.386714	Y
3	IC 410-431955/15	1.0	0.355156	10.0	1719834.0	0.355156	Y
4	IC 410-431955/16	2.0	0.730895	10.0	1746844.0	0.365448	Y
5	IC 410-431955/17	5.0	2.002886	10.0	1767939.0	0.400577	Y
6	ICIS 410-431955/18	10.0	3.872415	10.0	1790766.0	0.387242	Y
7	IC 410-431955/19	25.0	9.298111	10.0	1875183.0	0.371924	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

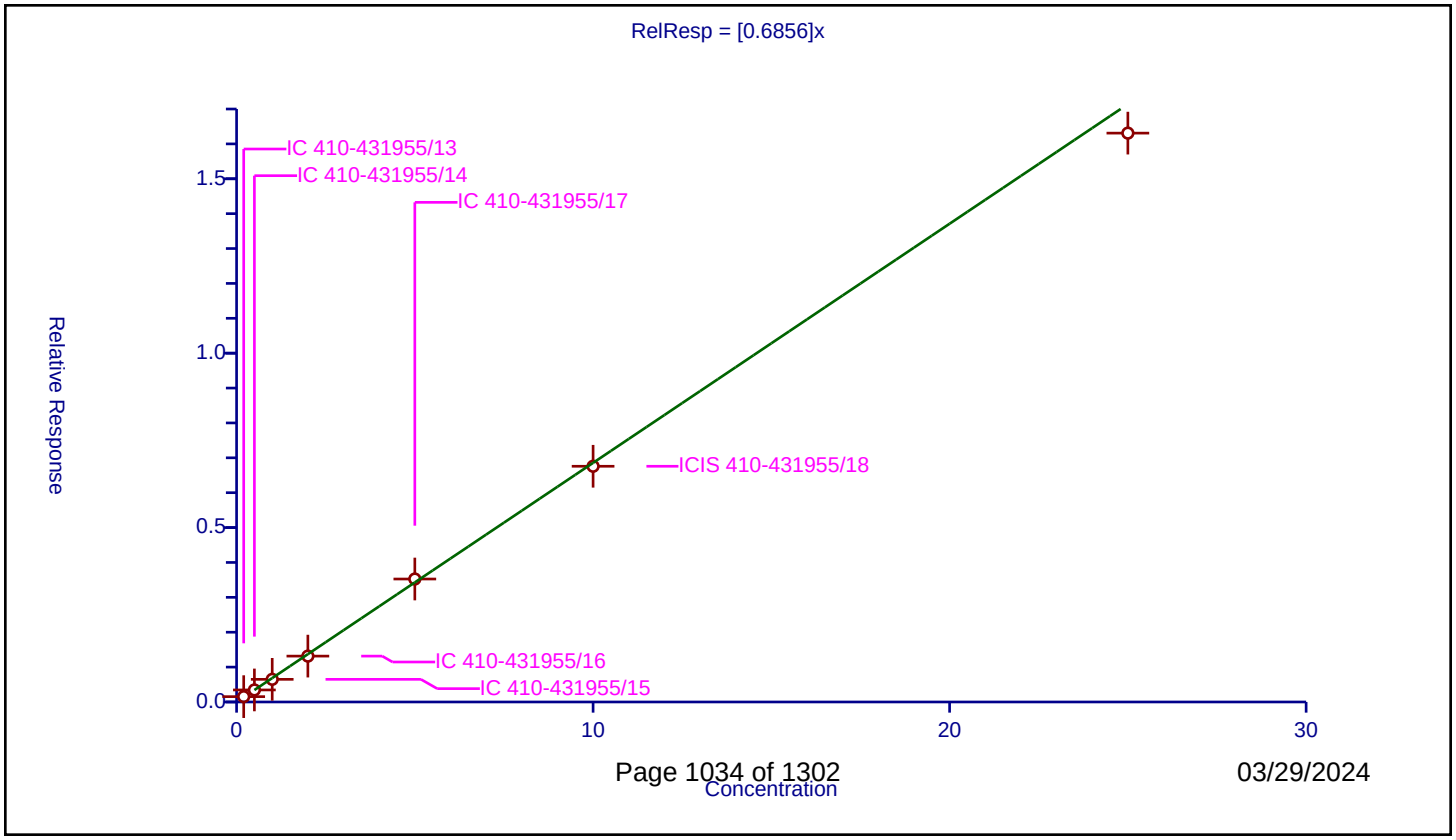
Curve Coefficients

Intercept:	0
Slope:	0.6856

Error Coefficients

Standard Error:	1370000
Relative Standard Error:	6.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.153471	10.0	1727945.0	0.767357	Y
2	IC 410-431955/14	0.5	0.345466	10.0	1732238.0	0.690933	Y
3	IC 410-431955/15	1.0	0.649615	10.0	1719834.0	0.649615	Y
4	IC 410-431955/16	2.0	1.315504	10.0	1746844.0	0.657752	Y
5	IC 410-431955/17	5.0	3.525755	10.0	1767939.0	0.705151	Y
6	ICIS 410-431955/18	10.0	6.757779	10.0	1790766.0	0.675778	Y
7	IC 410-431955/19	25.0	16.30868	10.0	1875183.0	0.652347	Y



Calibration / 2-Butanone (MEK)

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

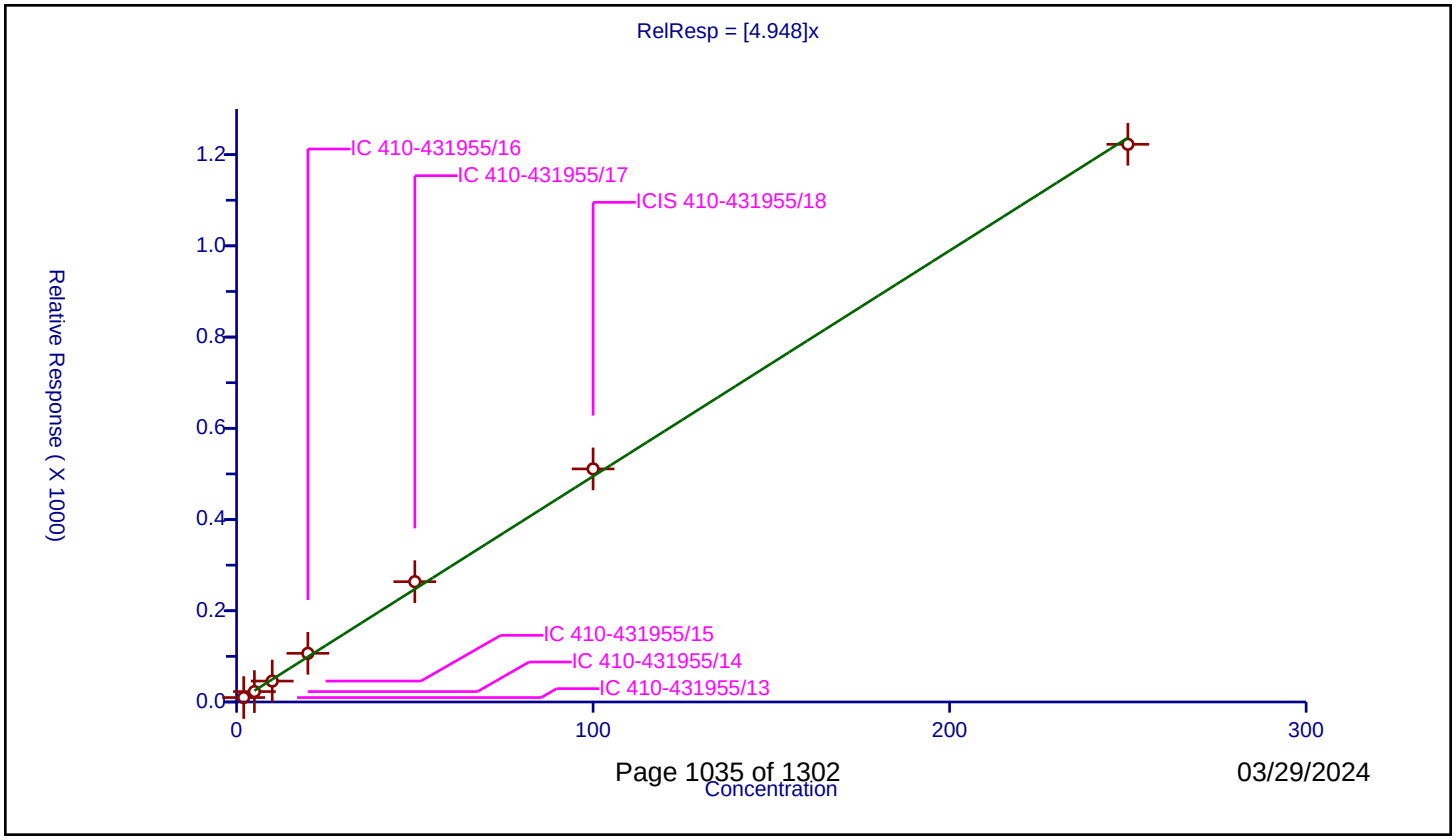
Curve Coefficients

Intercept:	0
Slope:	4.948

Error Coefficients

Standard Error:	1020000
Relative Standard Error:	6.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	2.0	9.754175	50.0	75501.0	4.877088	Y
2	IC 410-431955/14	5.0	22.817325	50.0	75057.0	4.563465	Y
3	IC 410-431955/15	10.0	45.854958	50.0	79384.0	4.585496	Y
4	IC 410-431955/16	20.0	106.636245	50.0	77137.0	5.331812	Y
5	IC 410-431955/17	50.0	263.755879	50.0	78879.0	5.275118	Y
6	ICIS 410-431955/18	100.0	510.987578	50.0	83963.0	5.109876	Y
7	IC 410-431955/19	250.0	1222.63401	50.0	93724.0	4.890536	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

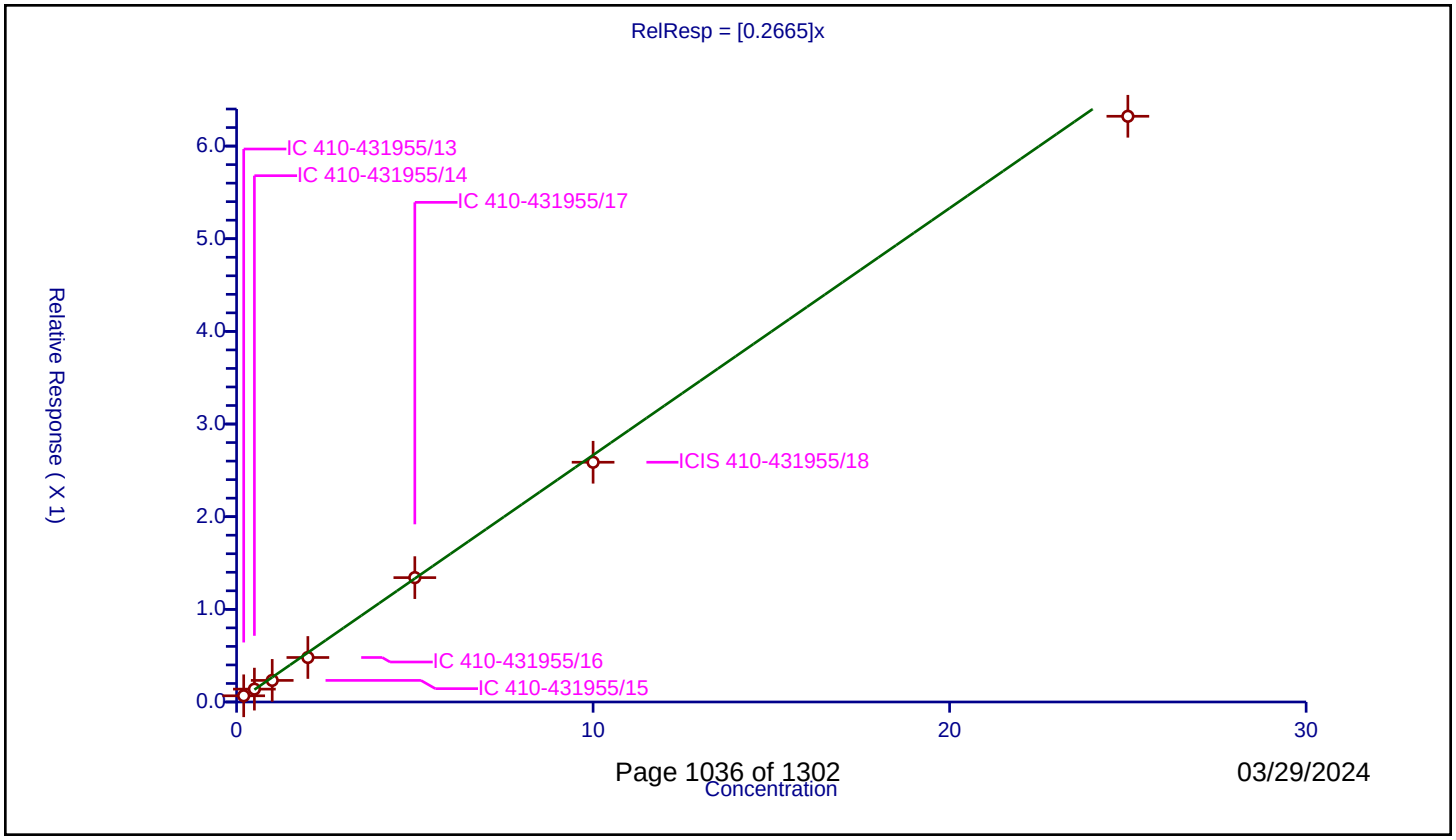
Curve Coefficients

Intercept:	0
Slope:	0.2665

Error Coefficients

Standard Error:	530000
Relative Standard Error:	12.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.06686	10.0	1727945.0	0.334299	Y
2	IC 410-431955/14	0.5	0.138924	10.0	1732238.0	0.277849	Y
3	IC 410-431955/15	1.0	0.233116	10.0	1719834.0	0.233116	Y
4	IC 410-431955/16	2.0	0.480249	10.0	1746844.0	0.240124	Y
5	IC 410-431955/17	5.0	1.342275	10.0	1767939.0	0.268455	Y
6	ICIS 410-431955/18	10.0	2.587569	10.0	1790766.0	0.258757	Y
7	IC 410-431955/19	25.0	6.321634	10.0	1875183.0	0.252865	Y



Calibration / 2,2-Dichloropropane

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

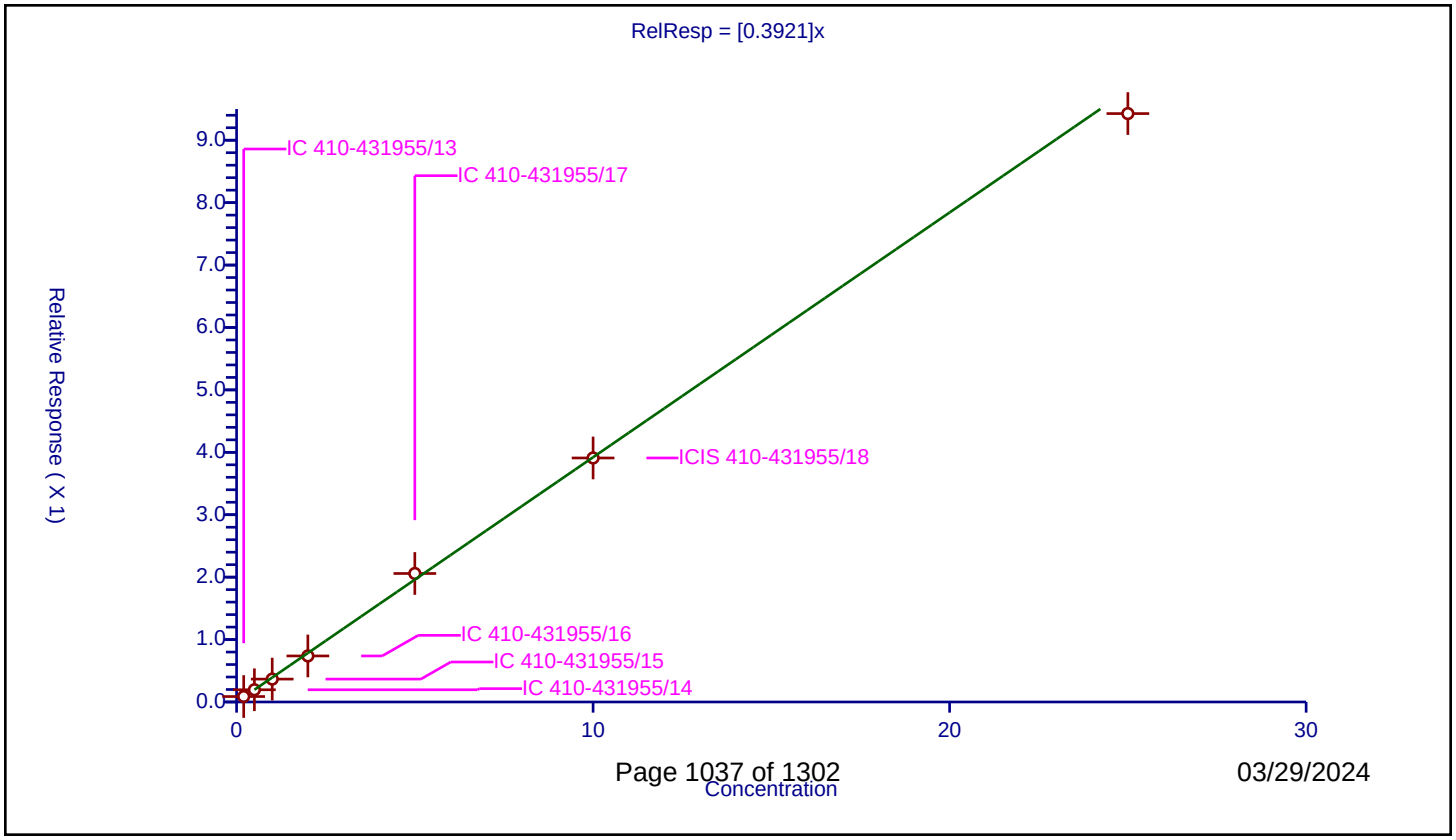
Curve Coefficients

Intercept:	0
Slope:	0.3921

Error Coefficients

Standard Error:	793000
Relative Standard Error:	6.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.087497	10.0	1727945.0	0.437485	Y
2	IC 410-431955/14	0.5	0.195874	10.0	1732238.0	0.391748	Y
3	IC 410-431955/15	1.0	0.366861	10.0	1719834.0	0.366861	Y
4	IC 410-431955/16	2.0	0.737662	10.0	1746844.0	0.368831	Y
5	IC 410-431955/17	5.0	2.058714	10.0	1767939.0	0.411743	Y
6	ICIS 410-431955/18	10.0	3.909243	10.0	1790766.0	0.390924	Y
7	IC 410-431955/19	25.0	9.426931	10.0	1875183.0	0.377077	Y



Calibration / Propionitrile

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

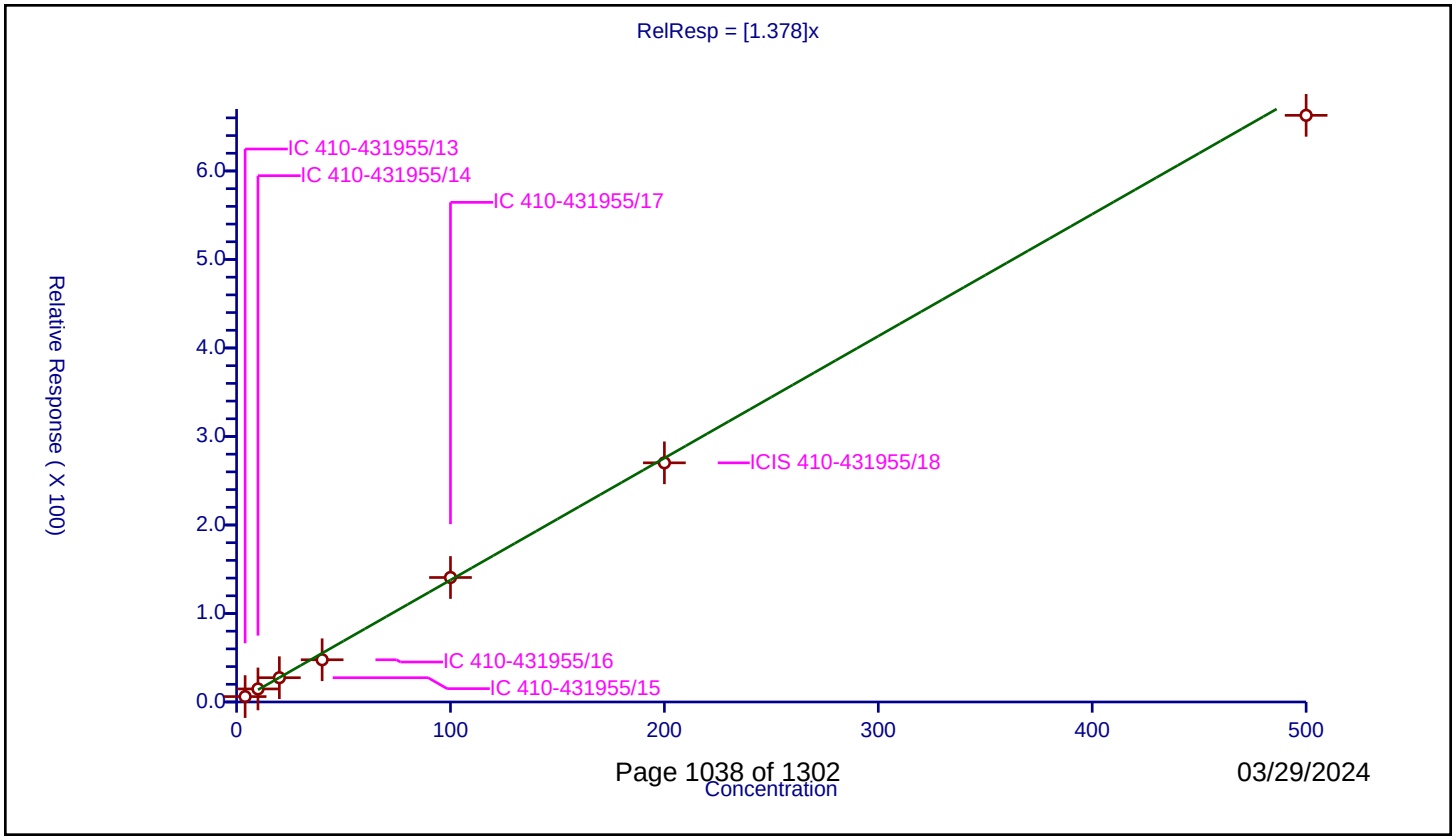
Curve Coefficients

Intercept:	0
Slope:	1.378

Error Coefficients

Standard Error:	548000
Relative Standard Error:	7.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	4.0	6.099919	50.0	75501.0	1.52498	Y
2	IC 410-431955/14	10.0	14.736134	50.0	75057.0	1.473613	Y
3	IC 410-431955/15	20.0	27.421143	50.0	79384.0	1.371057	Y
4	IC 410-431955/16	40.0	47.705381	50.0	77137.0	1.192635	Y
5	IC 410-431955/17	100.0	140.659745	50.0	78879.0	1.406597	Y
6	ICIS 410-431955/18	200.0	270.219025	50.0	83963.0	1.351095	Y
7	IC 410-431955/19	500.0	662.865435	50.0	93724.0	1.325731	Y



Calibration / Methacrylonitrile

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

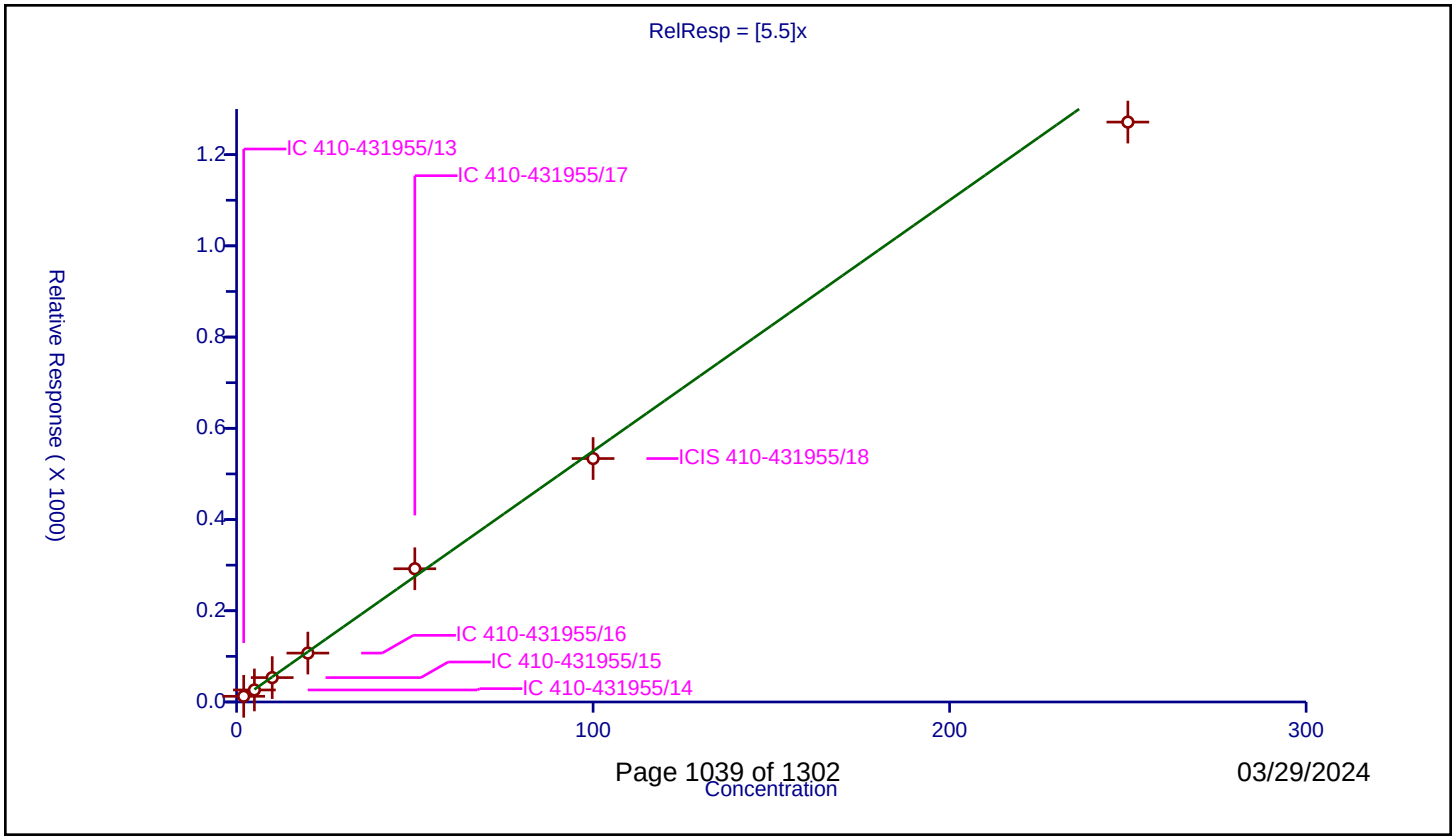
Curve Coefficients

Intercept:	0
Slope:	5.5

Error Coefficients

Standard Error:	1060000
Relative Standard Error:	7.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	2.0	12.50447	50.0	75501.0	6.252235	Y
2	IC 410-431955/14	5.0	26.417922	50.0	75057.0	5.283584	Y
3	IC 410-431955/15	10.0	53.449688	50.0	79384.0	5.344969	Y
4	IC 410-431955/16	20.0	107.162581	50.0	77137.0	5.358129	Y
5	IC 410-431955/17	50.0	292.079641	50.0	78879.0	5.841593	Y
6	ICIS 410-431955/18	100.0	533.723188	50.0	83963.0	5.337232	Y
7	IC 410-431955/19	250.0	1271.369126	50.0	93724.0	5.085477	Y



Calibration / Chlorobromomethane

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

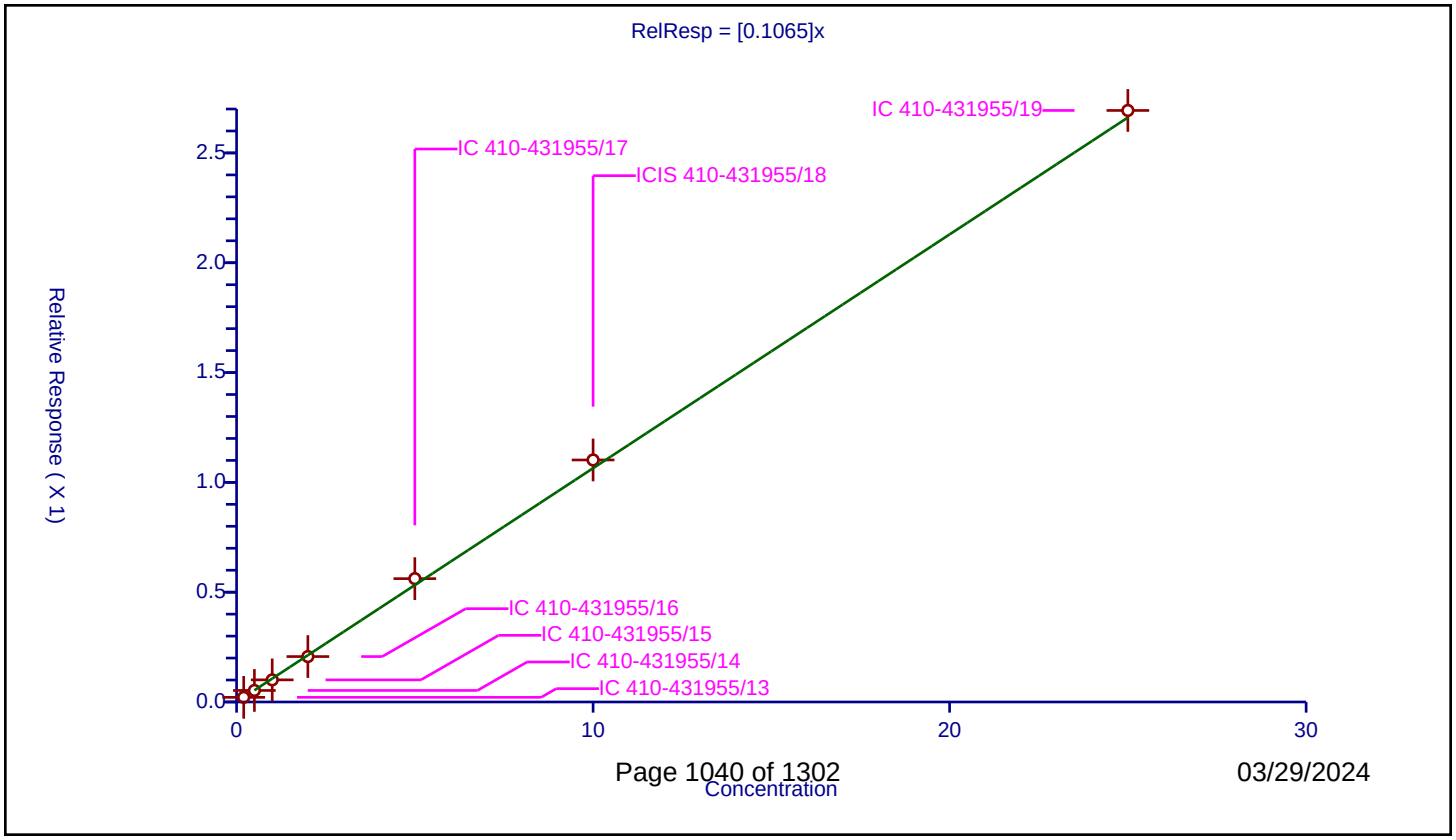
Curve Coefficients

Intercept:	0
Slope:	0.1065

Error Coefficients

Standard Error:	226000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.021158	10.0	1727945.0	0.10579	Y
2	IC 410-431955/14	0.5	0.052475	10.0	1732238.0	0.104951	Y
3	IC 410-431955/15	1.0	0.100696	10.0	1719834.0	0.100696	Y
4	IC 410-431955/16	2.0	0.206899	10.0	1746844.0	0.103449	Y
5	IC 410-431955/17	5.0	0.561665	10.0	1767939.0	0.112333	Y
6	ICIS 410-431955/18	10.0	1.102009	10.0	1790766.0	0.110201	Y
7	IC 410-431955/19	25.0	2.693438	10.0	1875183.0	0.107738	Y



Calibration / Tetrahydrofuran

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

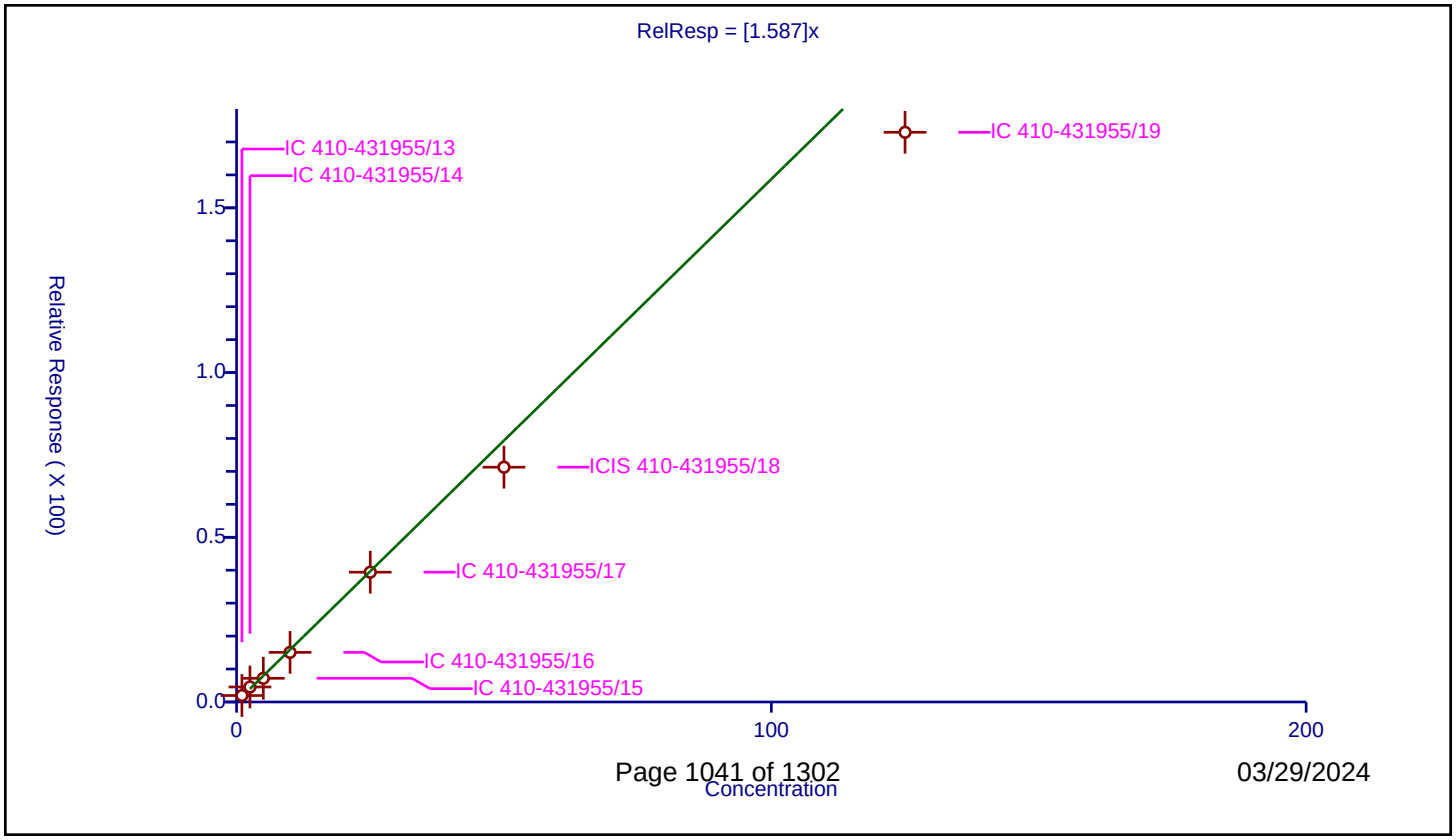
Curve Coefficients

Intercept:	0
Slope:	1.587

Error Coefficients

Standard Error:	144000
Relative Standard Error:	13.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	1.0	1.959577	50.0	75501.0	1.959577	Y
2	IC 410-431955/14	2.5	4.556537	50.0	75057.0	1.822615	Y
3	IC 410-431955/15	5.0	7.188476	50.0	79384.0	1.437695	Y
4	IC 410-431955/16	10.0	15.059569	50.0	77137.0	1.505957	Y
5	IC 410-431955/17	25.0	39.397685	50.0	78879.0	1.575907	Y
6	ICIS 410-431955/18	50.0	71.272465	50.0	83963.0	1.425449	Y
7	IC 410-431955/19	125.0	172.930093	50.0	93724.0	1.383441	Y



Calibration / Chloroform

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

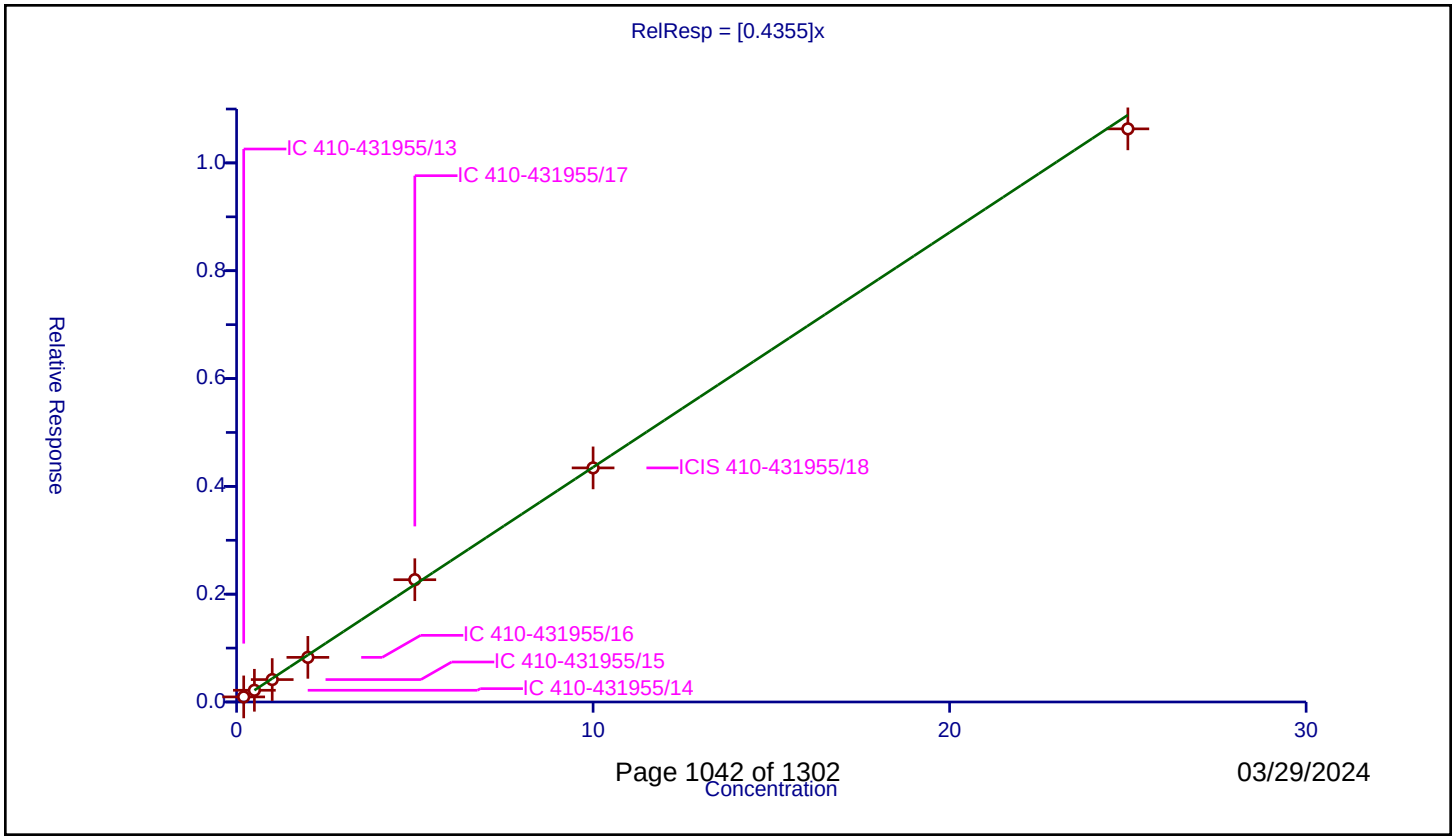
Curve Coefficients

Intercept:	0
Slope:	0.4355

Error Coefficients

Standard Error:	891000
Relative Standard Error:	4.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.094129	10.0	1727945.0	0.470646	Y
2	IC 410-431955/14	0.5	0.21758	10.0	1732238.0	0.43516	Y
3	IC 410-431955/15	1.0	0.415581	10.0	1719834.0	0.415581	Y
4	IC 410-431955/16	2.0	0.828088	10.0	1746844.0	0.414044	Y
5	IC 410-431955/17	5.0	2.268528	10.0	1767939.0	0.453706	Y
6	ICIS 410-431955/18	10.0	4.342583	10.0	1790766.0	0.434258	Y
7	IC 410-431955/19	25.0	10.632141	10.0	1875183.0	0.425286	Y



Calibration / Dibromofluoromethane (Surr)

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

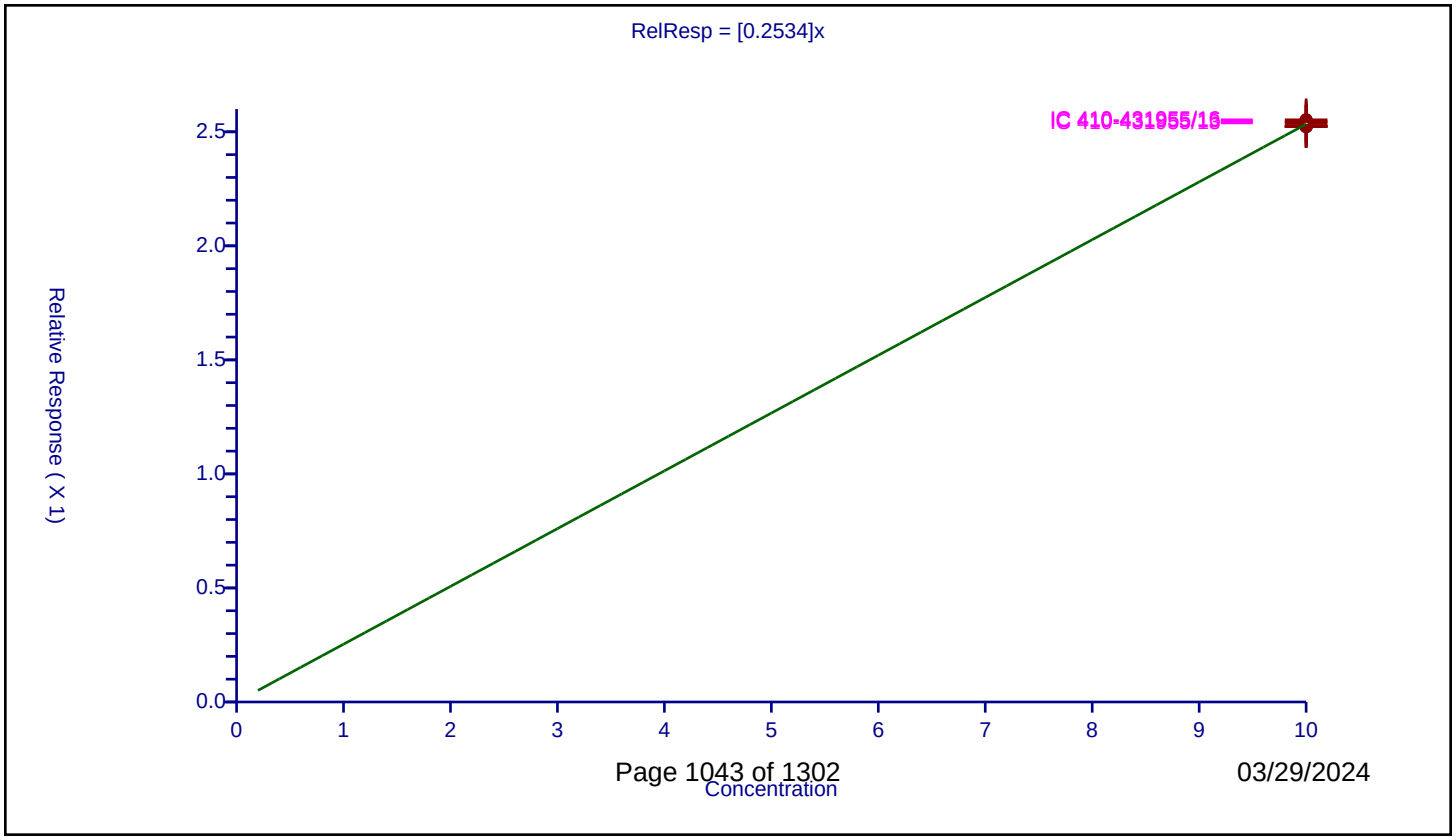
Curve Coefficients

Intercept:	0
Slope:	0.2534

Error Coefficients

Standard Error:	483000
Relative Standard Error:	0.5
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	10.0	2.539282	10.0	1727945.0	0.253928	Y
2	IC 410-431955/14	10.0	2.523089	10.0	1732238.0	0.252309	Y
3	IC 410-431955/15	10.0	2.544641	10.0	1719834.0	0.254464	Y
4	IC 410-431955/16	10.0	2.552684	10.0	1746844.0	0.255268	Y
5	IC 410-431955/17	10.0	2.524324	10.0	1767939.0	0.252432	Y
6	ICIS 410-431955/18	10.0	2.528108	10.0	1790766.0	0.252811	Y
7	IC 410-431955/19	10.0	2.52337	10.0	1875183.0	0.252337	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

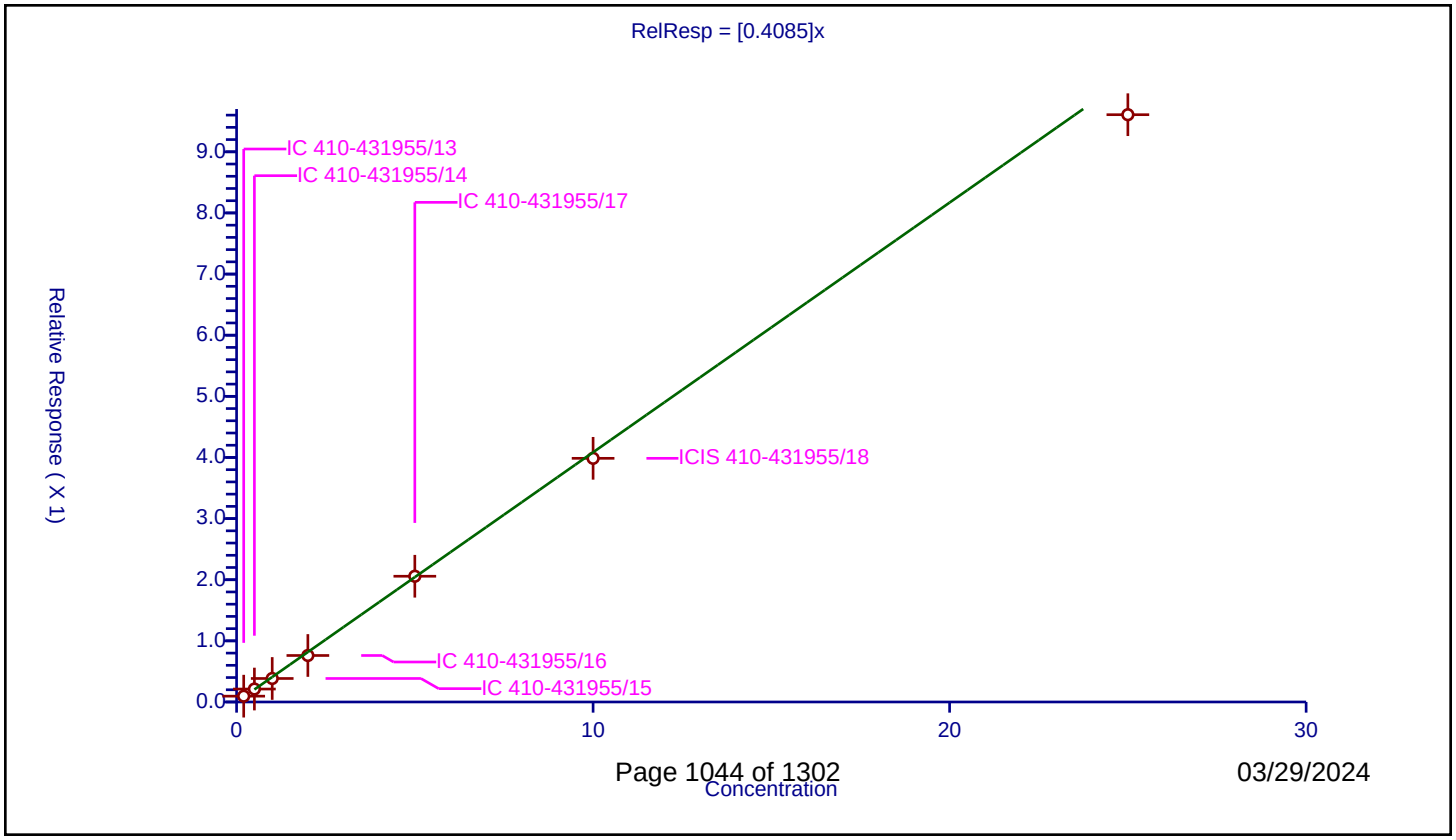
Curve Coefficients

Intercept:	0
Slope:	0.4085

Error Coefficients

Standard Error:	807000
Relative Standard Error:	8.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.095287	10.0	1727945.0	0.476433	Y
2	IC 410-431955/14	0.5	0.211928	10.0	1732238.0	0.423856	Y
3	IC 410-431955/15	1.0	0.384409	10.0	1719834.0	0.384409	Y
4	IC 410-431955/16	2.0	0.760434	10.0	1746844.0	0.380217	Y
5	IC 410-431955/17	5.0	2.057045	10.0	1767939.0	0.411409	Y
6	ICIS 410-431955/18	10.0	3.985758	10.0	1790766.0	0.398576	Y
7	IC 410-431955/19	25.0	9.607041	10.0	1875183.0	0.384282	Y



Calibration / Cyclohexane

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

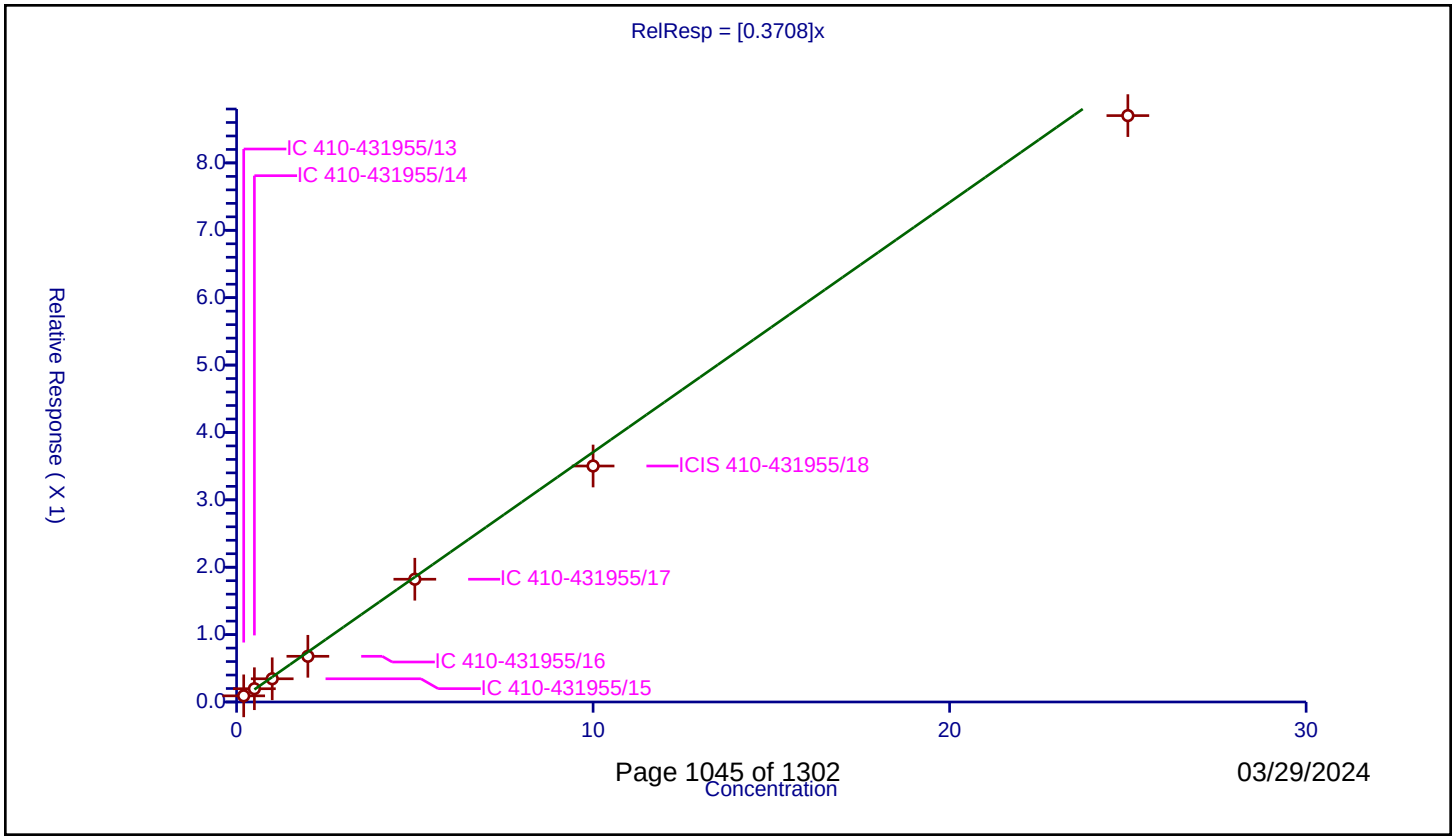
Curve Coefficients

Intercept:	0
Slope:	0.3708

Error Coefficients

Standard Error:	728000
Relative Standard Error:	11.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.091097	10.0	1727945.0	0.455483	Y
2	IC 410-431955/14	0.5	0.196896	10.0	1732238.0	0.393791	Y
3	IC 410-431955/15	1.0	0.34437	10.0	1719834.0	0.34437	Y
4	IC 410-431955/16	2.0	0.678235	10.0	1746844.0	0.339117	Y
5	IC 410-431955/17	5.0	1.821635	10.0	1767939.0	0.364327	Y
6	ICIS 410-431955/18	10.0	3.502077	10.0	1790766.0	0.350208	Y
7	IC 410-431955/19	25.0	8.702153	10.0	1875183.0	0.348086	Y



Calibration / 1,1-Dichloropropene

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

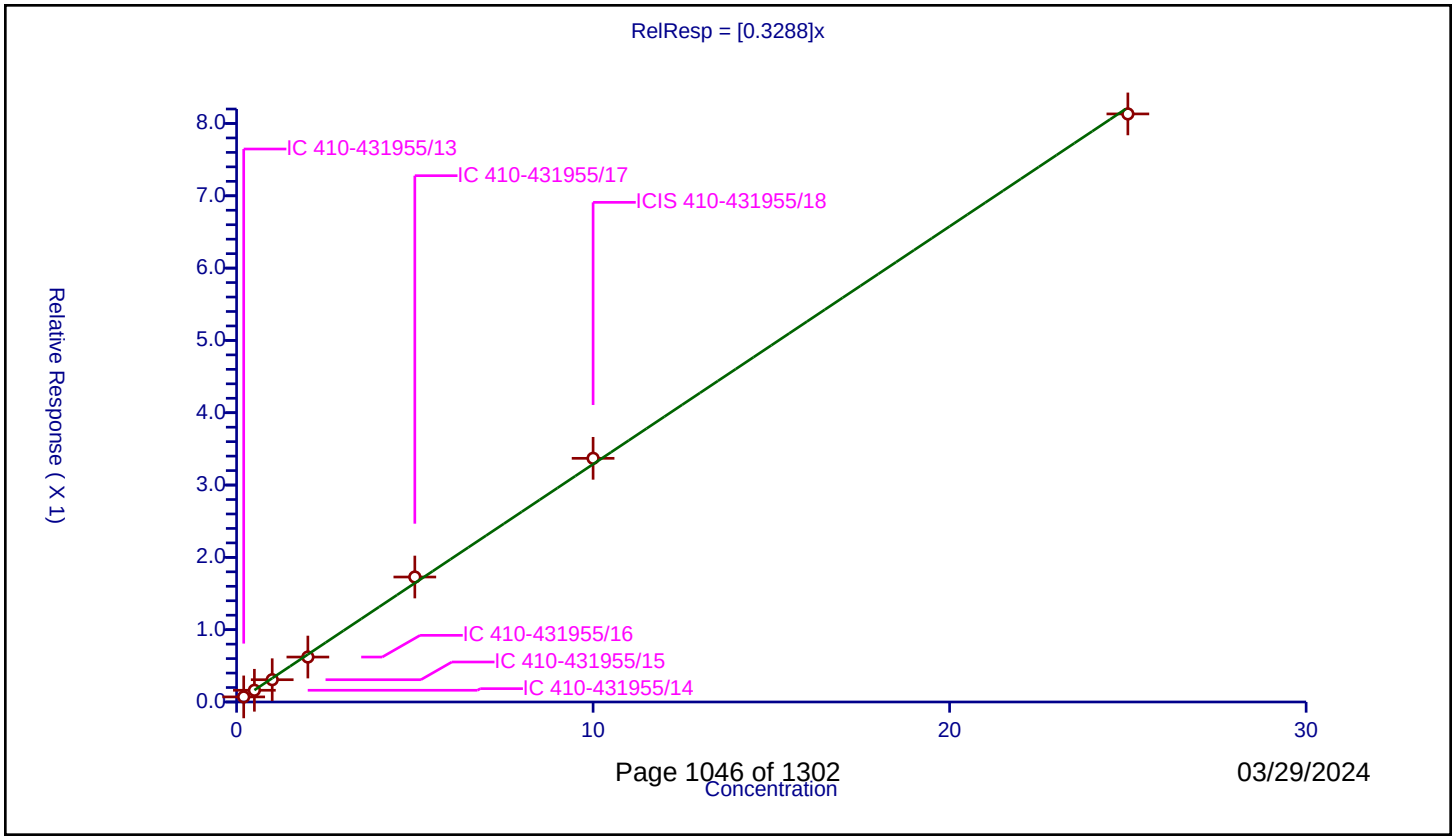
Curve Coefficients

Intercept:	0
Slope:	0.3288

Error Coefficients

Standard Error:	683000
Relative Standard Error:	5.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.070147	10.0	1727945.0	0.350735	Y
2	IC 410-431955/14	0.5	0.162218	10.0	1732238.0	0.324436	Y
3	IC 410-431955/15	1.0	0.308012	10.0	1719834.0	0.308012	Y
4	IC 410-431955/16	2.0	0.621509	10.0	1746844.0	0.310755	Y
5	IC 410-431955/17	5.0	1.728137	10.0	1767939.0	0.345627	Y
6	ICIS 410-431955/18	10.0	3.369519	10.0	1790766.0	0.336952	Y
7	IC 410-431955/19	25.0	8.132134	10.0	1875183.0	0.325285	Y



Calibration / Carbon tetrachloride

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

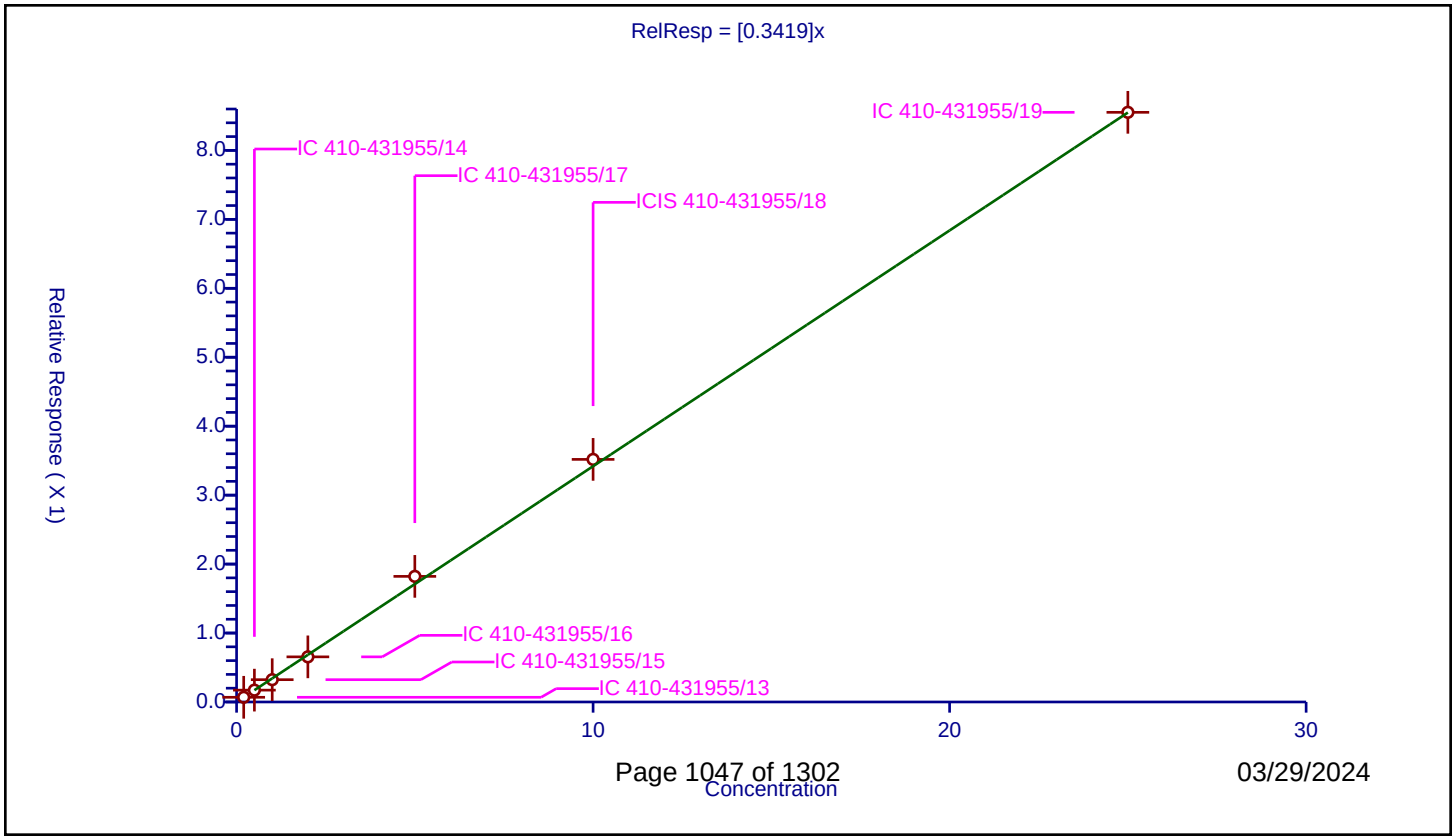
Curve Coefficients

Intercept:	0
Slope:	0.3419

Error Coefficients

Standard Error:	718000
Relative Standard Error:	4.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.068156	10.0	1727945.0	0.340781	Y
2	IC 410-431955/14	0.5	0.171824	10.0	1732238.0	0.343648	Y
3	IC 410-431955/15	1.0	0.323479	10.0	1719834.0	0.323479	Y
4	IC 410-431955/16	2.0	0.654752	10.0	1746844.0	0.327376	Y
5	IC 410-431955/17	5.0	1.821907	10.0	1767939.0	0.364381	Y
6	ICIS 410-431955/18	10.0	3.518293	10.0	1790766.0	0.351829	Y
7	IC 410-431955/19	25.0	8.551976	10.0	1875183.0	0.342079	Y



Calibration / Isobutyl alcohol

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

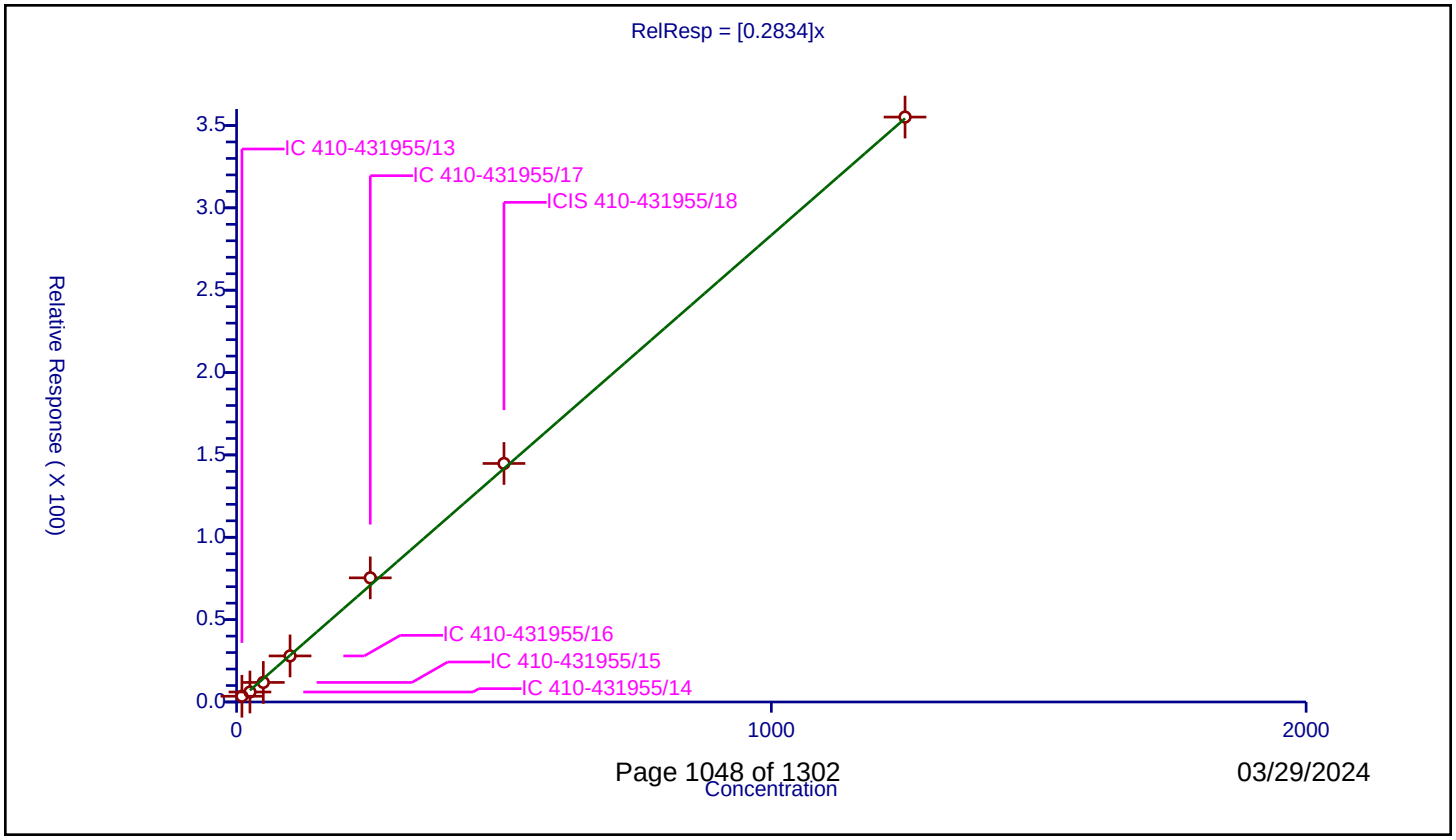
Curve Coefficients

Intercept:	0
Slope:	0.2834

Error Coefficients

Standard Error:	294000
Relative Standard Error:	13.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	10.0	3.49002	50.0	75501.0	0.349002	Y
2	IC 410-431955/14	25.0	6.064724	50.0	75057.0	0.242589	Y
3	IC 410-431955/15	50.0	11.877079	50.0	79384.0	0.237542	Y
4	IC 410-431955/16	100.0	27.969068	50.0	77137.0	0.279691	Y
5	IC 410-431955/17	250.0	75.364799	50.0	78879.0	0.301459	Y
6	ICIS 410-431955/18	500.0	144.804259	50.0	83963.0	0.289609	Y
7	IC 410-431955/19	1250.0	355.118219	50.0	93724.0	0.284095	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

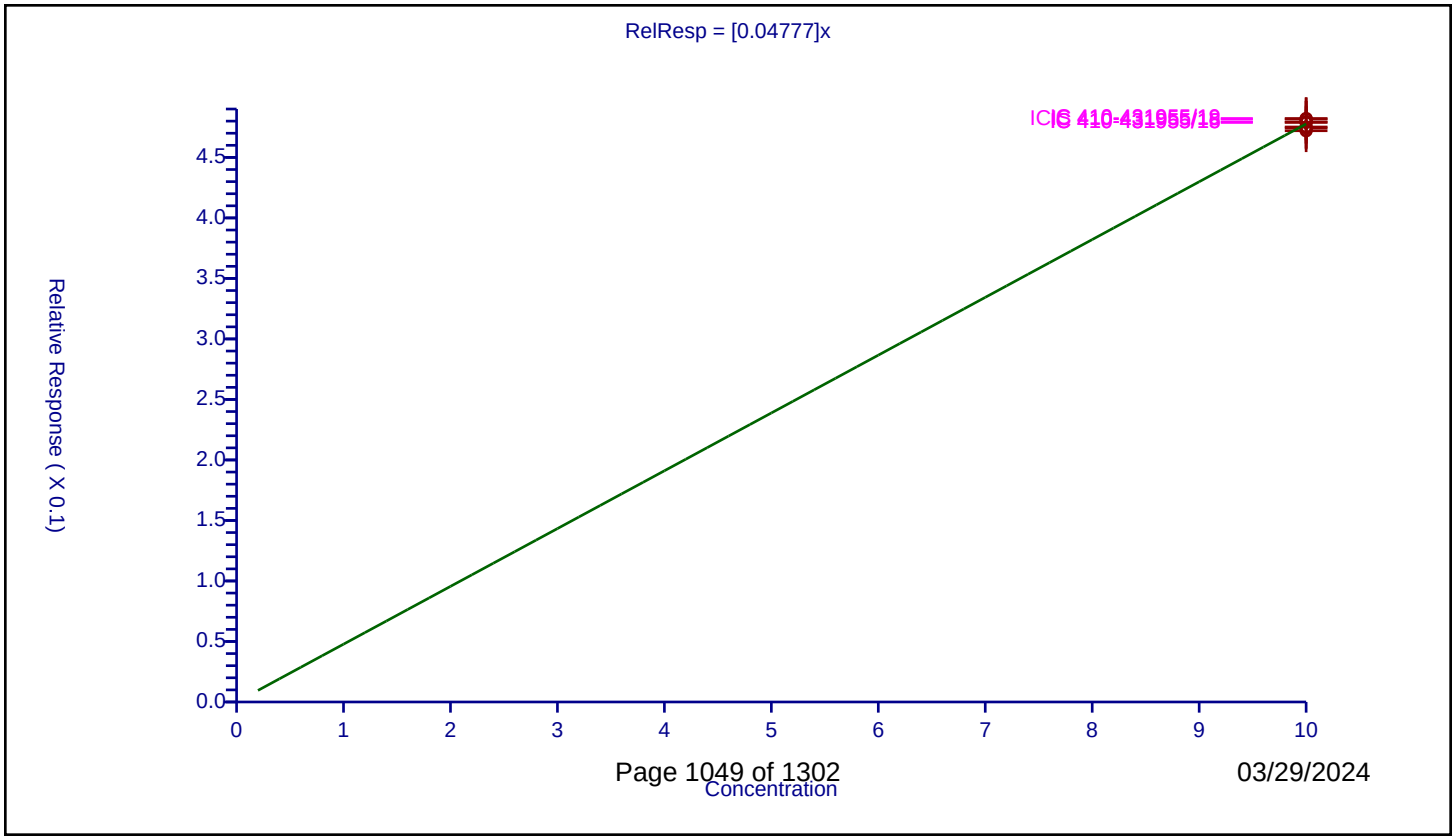
Curve Coefficients

Intercept:	0
Slope:	0.04777

Error Coefficients

Standard Error:	91200
Relative Standard Error:	0.8
Correlation Coefficient:	0.00000000000000000000
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	10.0	0.474361	10.0	1727945.0	0.047436	Y
2	IC 410-431955/14	10.0	0.472037	10.0	1732238.0	0.047204	Y
3	IC 410-431955/15	10.0	0.478976	10.0	1719834.0	0.047898	Y
4	IC 410-431955/16	10.0	0.479224	10.0	1746844.0	0.047922	Y
5	IC 410-431955/17	10.0	0.475152	10.0	1767939.0	0.047515	Y
6	ICIS 410-431955/18	10.0	0.481693	10.0	1790766.0	0.048169	Y
7	IC 410-431955/19	10.0	0.482124	10.0	1875183.0	0.048212	Y



Calibration / Benzene

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

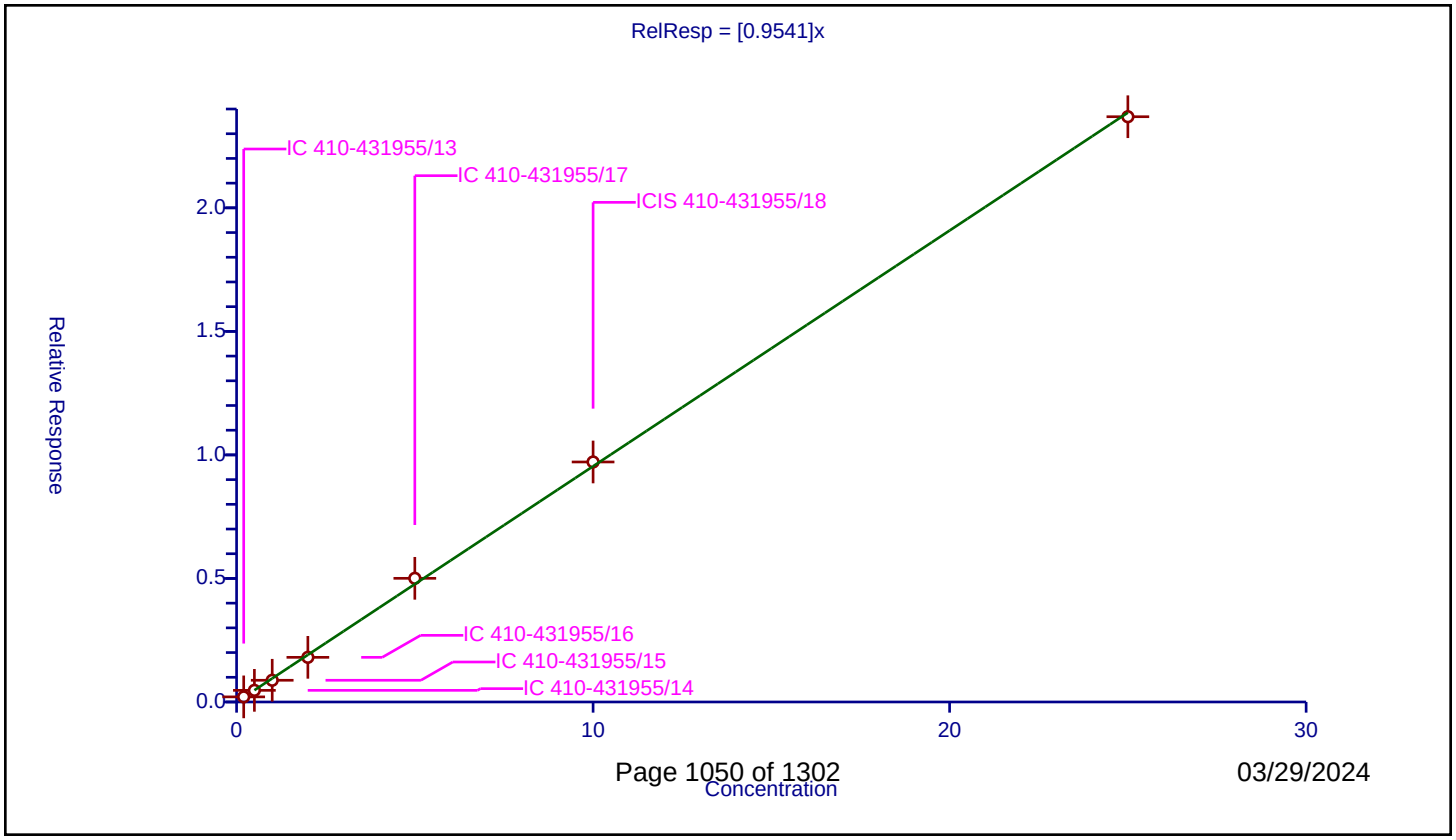
Curve Coefficients

Intercept:	0
Slope:	0.9541

Error Coefficients

Standard Error:	1990000
Relative Standard Error:	5.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.206968	10.0	1727945.0	1.034842	Y
2	IC 410-431955/14	0.5	0.470726	10.0	1732238.0	0.941453	Y
3	IC 410-431955/15	1.0	0.878916	10.0	1719834.0	0.878916	Y
4	IC 410-431955/16	2.0	1.80711	10.0	1746844.0	0.903555	Y
5	IC 410-431955/17	5.0	5.004975	10.0	1767939.0	1.000995	Y
6	ICIS 410-431955/18	10.0	9.713905	10.0	1790766.0	0.97139	Y
7	IC 410-431955/19	25.0	23.687757	10.0	1875183.0	0.94751	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

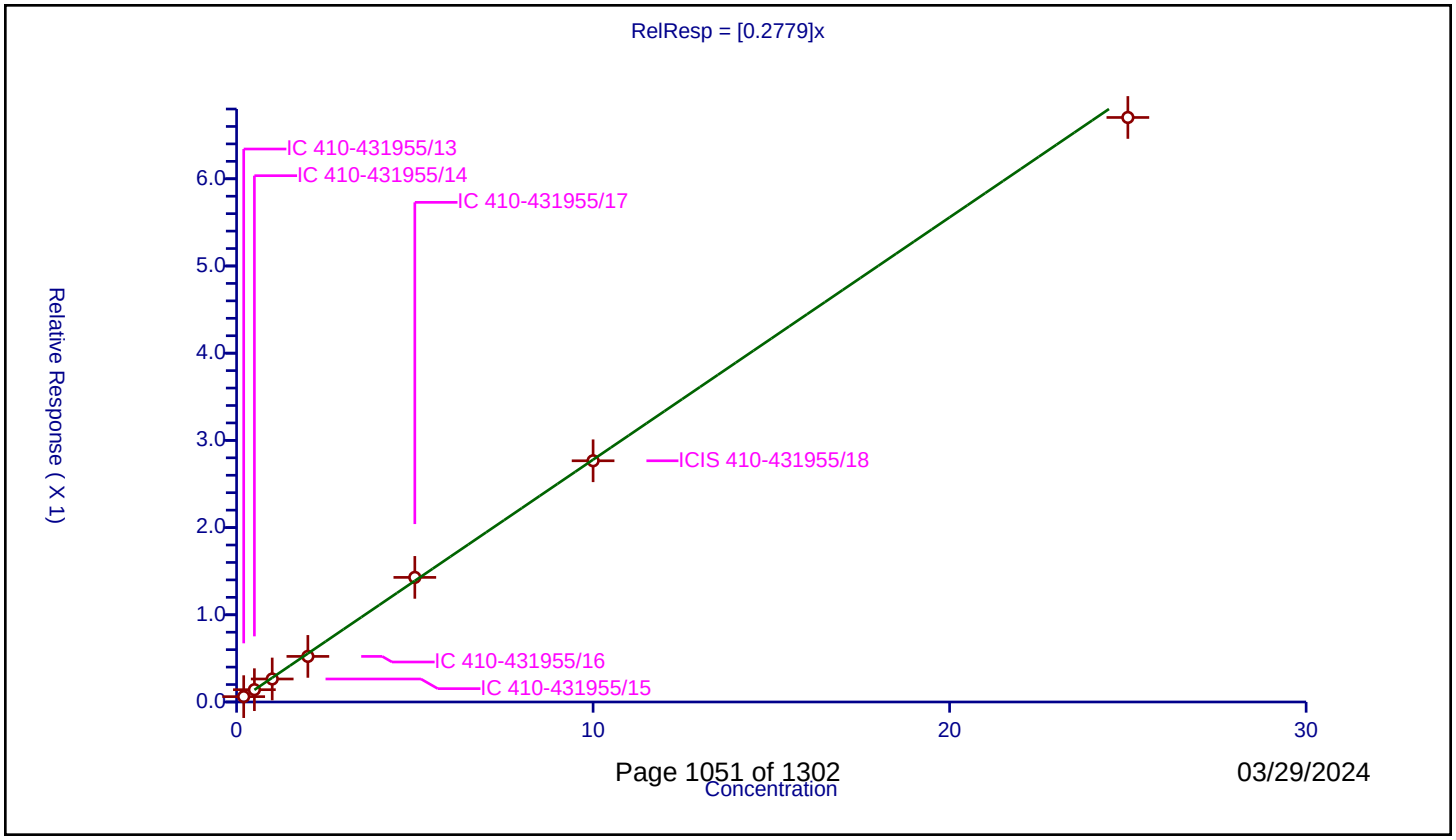
Curve Coefficients

Intercept:	0
Slope:	0.2779

Error Coefficients

Standard Error:	563000
Relative Standard Error:	5.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.061431	10.0	1727945.0	0.307157	Y
2	IC 410-431955/14	0.5	0.141251	10.0	1732238.0	0.282502	Y
3	IC 410-431955/15	1.0	0.263677	10.0	1719834.0	0.263677	Y
4	IC 410-431955/16	2.0	0.522783	10.0	1746844.0	0.261391	Y
5	IC 410-431955/17	5.0	1.428754	10.0	1767939.0	0.285751	Y
6	ICIS 410-431955/18	10.0	2.766269	10.0	1790766.0	0.276627	Y
7	IC 410-431955/19	25.0	6.702978	10.0	1875183.0	0.268119	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

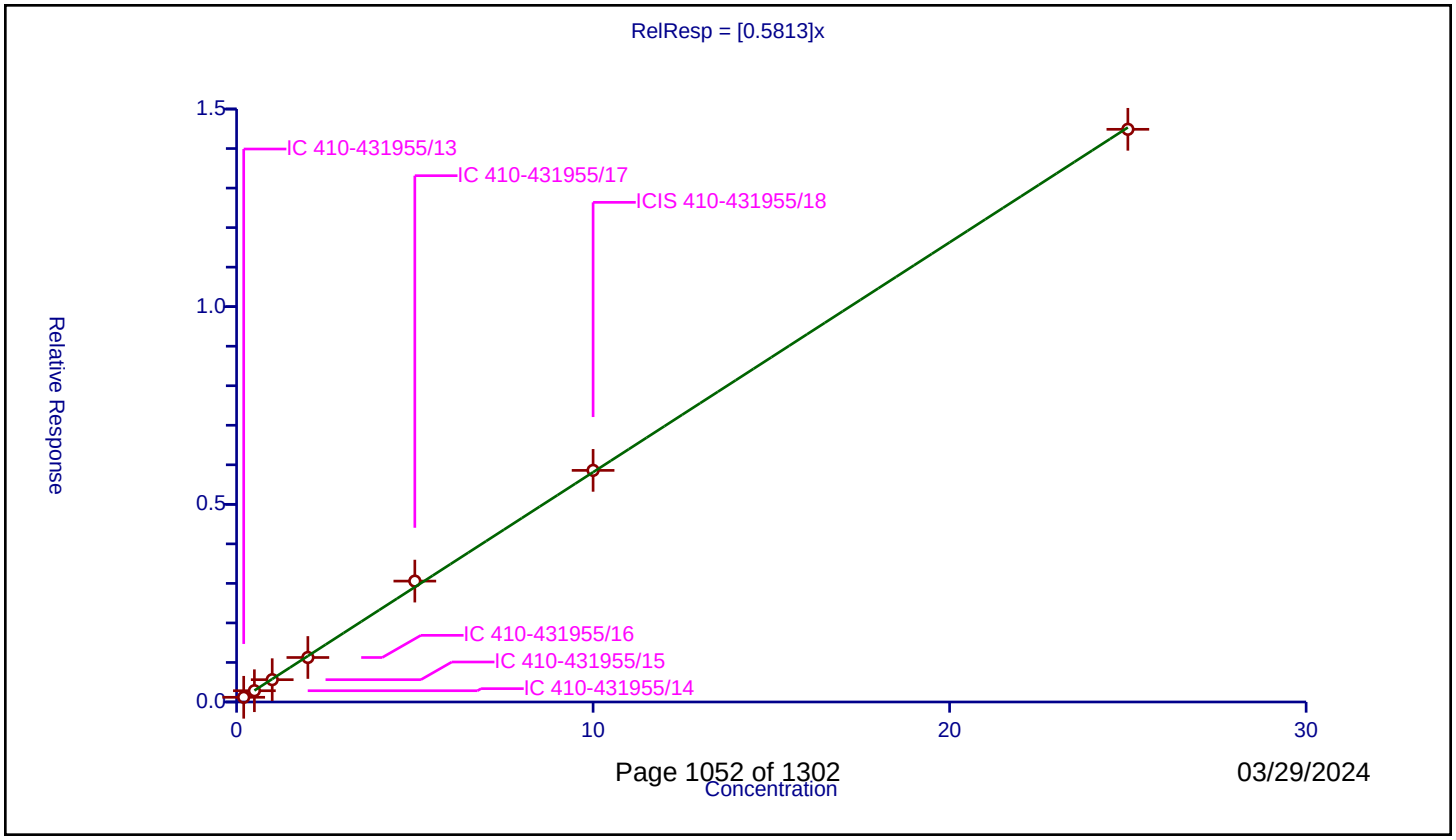
Curve Coefficients

Intercept:	0
Slope:	0.5813

Error Coefficients

Standard Error:	1210000
Relative Standard Error:	3.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.11902	10.0	1727945.0	0.5951	Y
2	IC 410-431955/14	0.5	0.285117	10.0	1732238.0	0.570233	Y
3	IC 410-431955/15	1.0	0.564293	10.0	1719834.0	0.564293	Y
4	IC 410-431955/16	2.0	1.125206	10.0	1746844.0	0.562603	Y
5	IC 410-431955/17	5.0	3.05825	10.0	1767939.0	0.61165	Y
6	ICIS 410-431955/18	10.0	5.859001	10.0	1790766.0	0.5859	Y
7	IC 410-431955/19	25.0	14.486725	10.0	1875183.0	0.579469	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

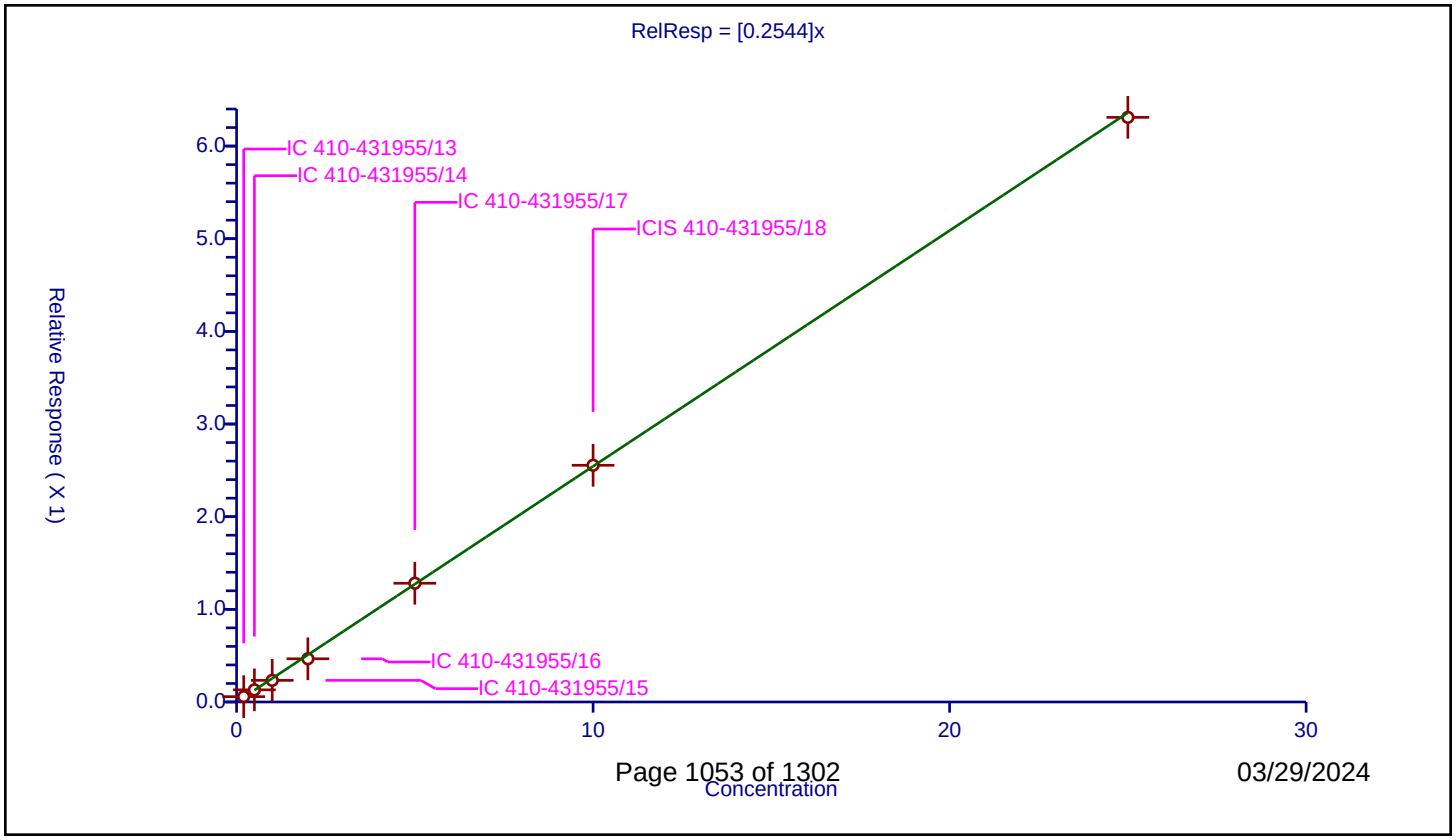
Curve Coefficients

Intercept:	0
Slope:	0.2544

Error Coefficients

Standard Error:	527000
Relative Standard Error:	7.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.057618	10.0	1727945.0	0.288088	Y
2	IC 410-431955/14	0.5	0.130975	10.0	1732238.0	0.26195	Y
3	IC 410-431955/15	1.0	0.233232	10.0	1719834.0	0.233232	Y
4	IC 410-431955/16	2.0	0.466487	10.0	1746844.0	0.233243	Y
5	IC 410-431955/17	5.0	1.281571	10.0	1767939.0	0.256314	Y
6	ICIS 410-431955/18	10.0	2.554884	10.0	1790766.0	0.255488	Y
7	IC 410-431955/19	25.0	6.309891	10.0	1875183.0	0.252396	Y



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

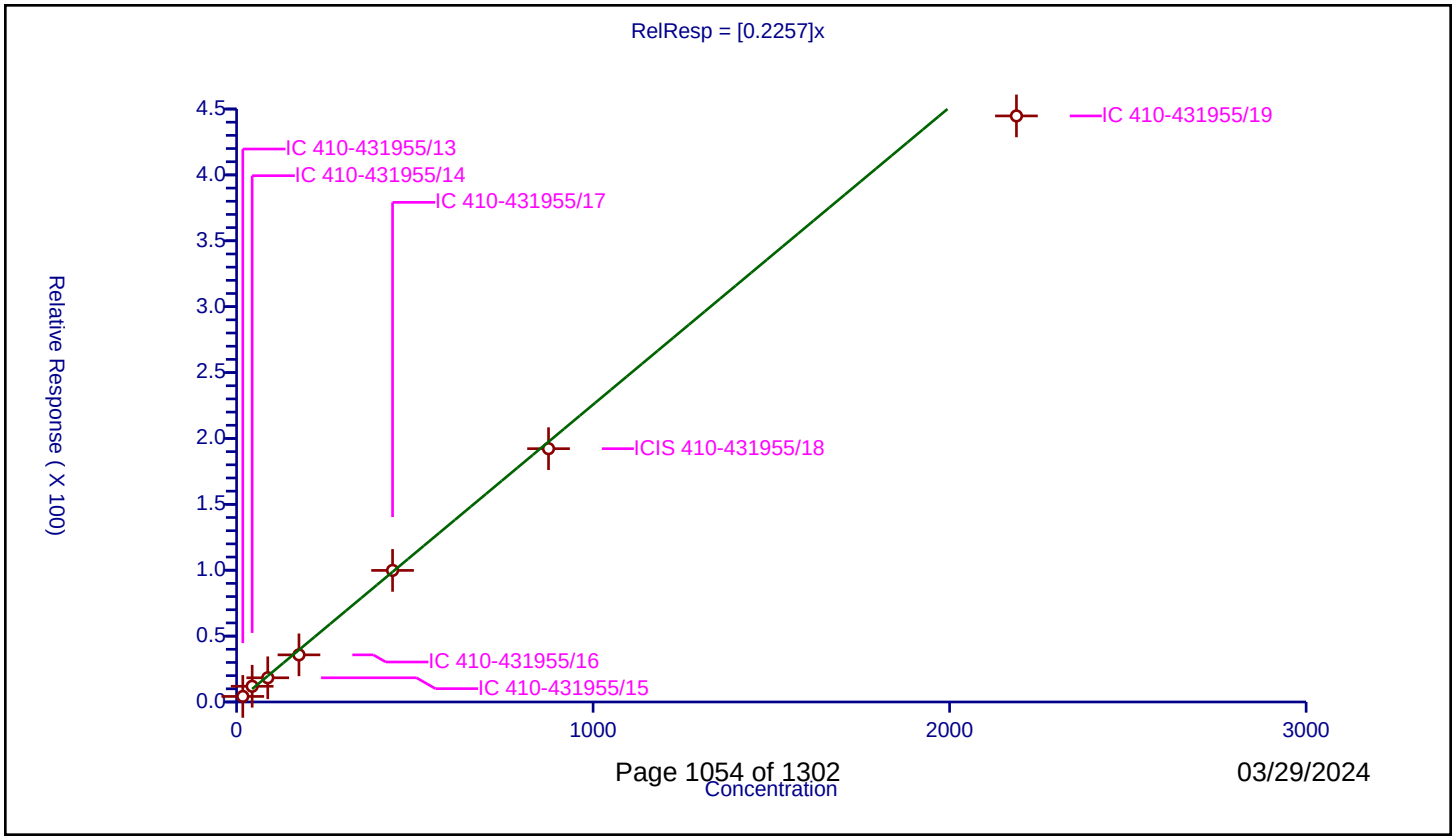
Curve Coefficients

Intercept:	0
Slope:	0.2257

Error Coefficients

Standard Error:	371000
Relative Standard Error:	11.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	17.5	4.221798	50.0	75501.0	0.241246	Y
2	IC 410-431955/14	43.75	11.934929	50.0	75057.0	0.272798	Y
3	IC 410-431955/15	87.5	18.37146	50.0	79384.0	0.20996	Y
4	IC 410-431955/16	175.0	35.770123	50.0	77137.0	0.204401	Y
5	IC 410-431955/17	437.5	99.868152	50.0	78879.0	0.22827	Y
6	ICIS 410-431955/18	875.0	192.23527	50.0	83963.0	0.219697	Y
7	IC 410-431955/19	2187.5	444.751078	50.0	93724.0	0.203315	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

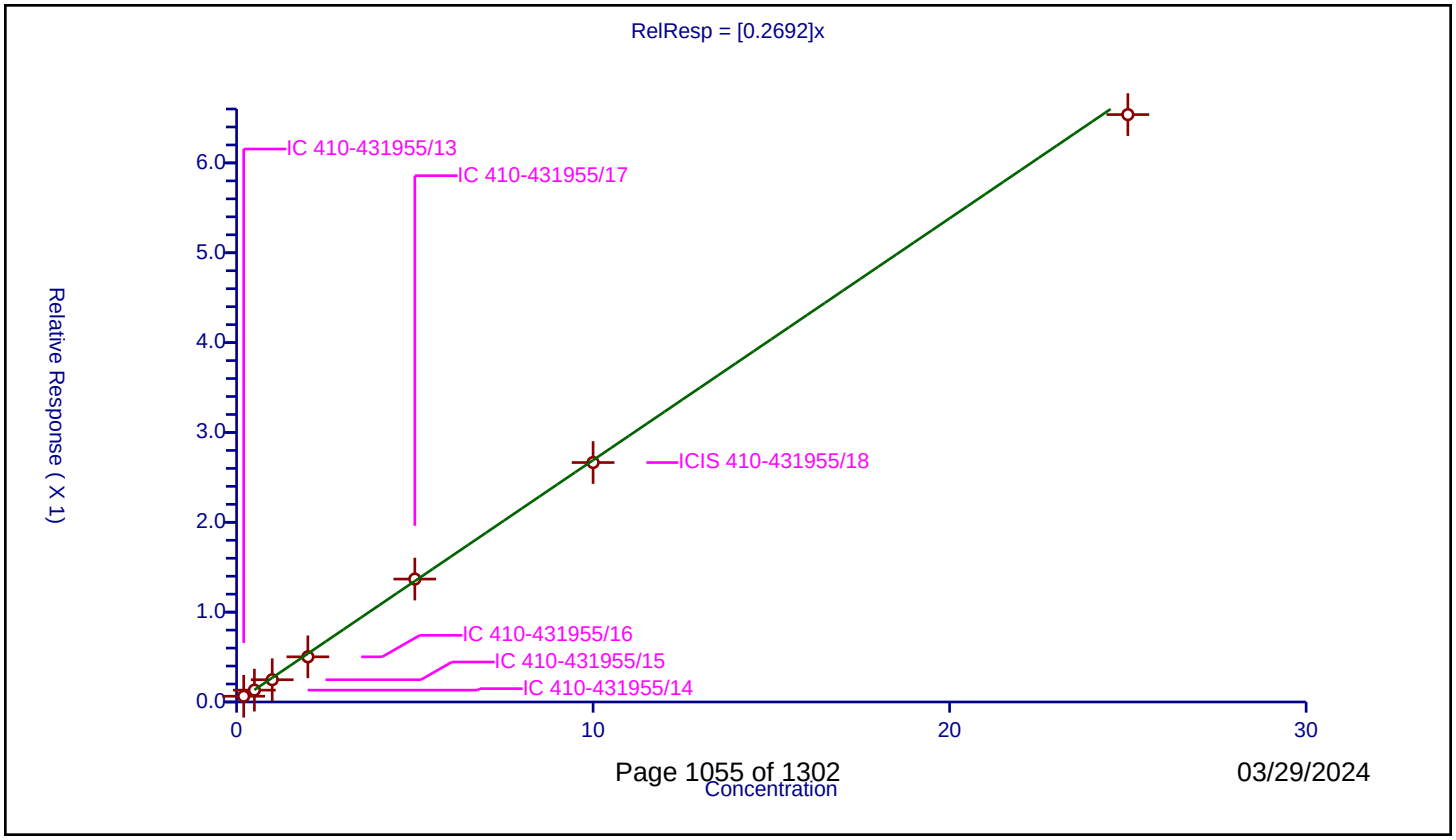
Curve Coefficients

Intercept:	0
Slope:	0.2692

Error Coefficients

Standard Error:	548000
Relative Standard Error:	8.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.063902	10.0	1727945.0	0.319512	Y
2	IC 410-431955/14	0.5	0.132055	10.0	1732238.0	0.264109	Y
3	IC 410-431955/15	1.0	0.247547	10.0	1719834.0	0.247547	Y
4	IC 410-431955/16	2.0	0.502775	10.0	1746844.0	0.251388	Y
5	IC 410-431955/17	5.0	1.368198	10.0	1767939.0	0.27364	Y
6	ICIS 410-431955/18	10.0	2.665206	10.0	1790766.0	0.266521	Y
7	IC 410-431955/19	25.0	6.537831	10.0	1875183.0	0.261513	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

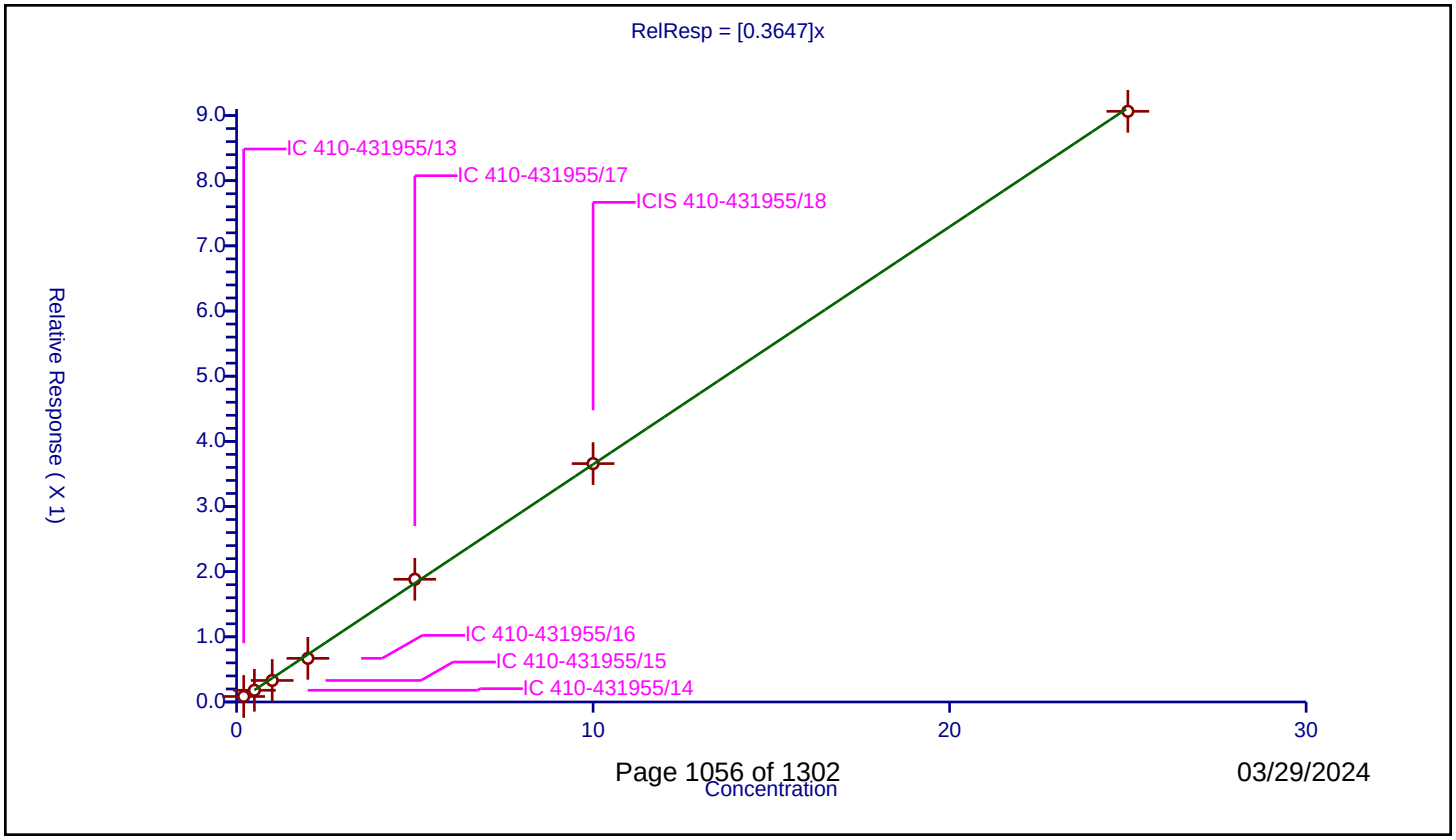
Curve Coefficients

Intercept:	0
Slope:	0.3647

Error Coefficients

Standard Error:	758000
Relative Standard Error:	8.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.08447	10.0	1727945.0	0.422351	Y
2	IC 410-431955/14	0.5	0.179929	10.0	1732238.0	0.359858	Y
3	IC 410-431955/15	1.0	0.330602	10.0	1719834.0	0.330602	Y
4	IC 410-431955/16	2.0	0.669596	10.0	1746844.0	0.334798	Y
5	IC 410-431955/17	5.0	1.883068	10.0	1767939.0	0.376614	Y
6	ICIS 410-431955/18	10.0	3.658256	10.0	1790766.0	0.365826	Y
7	IC 410-431955/19	25.0	9.064817	10.0	1875183.0	0.362593	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

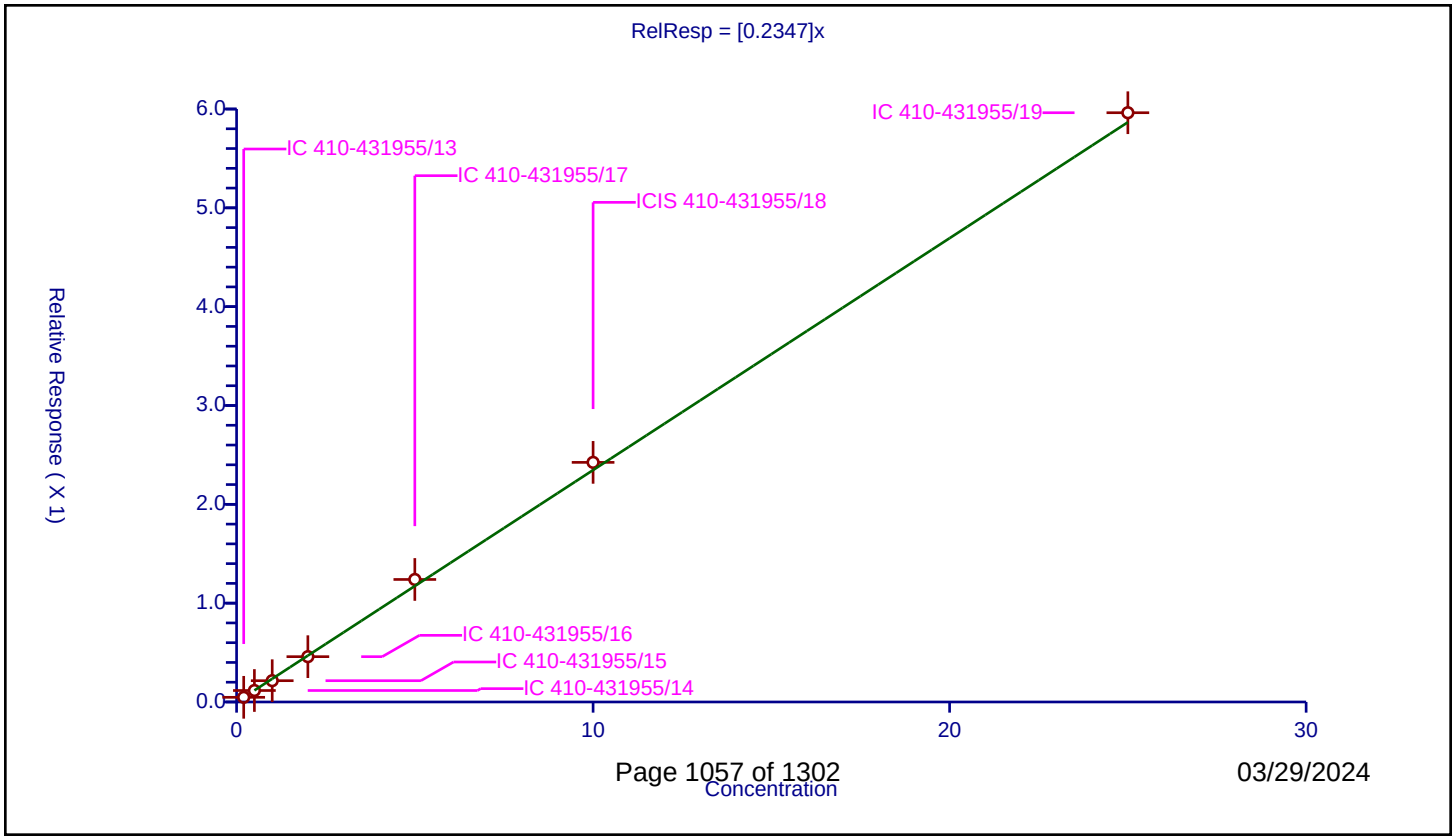
Curve Coefficients

Intercept:	0
Slope:	0.2347

Error Coefficients

Standard Error:	499000
Relative Standard Error:	4.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.047328	10.0	1727945.0	0.236639	Y
2	IC 410-431955/14	0.5	0.116127	10.0	1732238.0	0.232254	Y
3	IC 410-431955/15	1.0	0.215451	10.0	1719834.0	0.215451	Y
4	IC 410-431955/16	2.0	0.45865	10.0	1746844.0	0.229325	Y
5	IC 410-431955/17	5.0	1.23963	10.0	1767939.0	0.247926	Y
6	ICIS 410-431955/18	10.0	2.424588	10.0	1790766.0	0.242459	Y
7	IC 410-431955/19	25.0	5.962463	10.0	1875183.0	0.238499	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

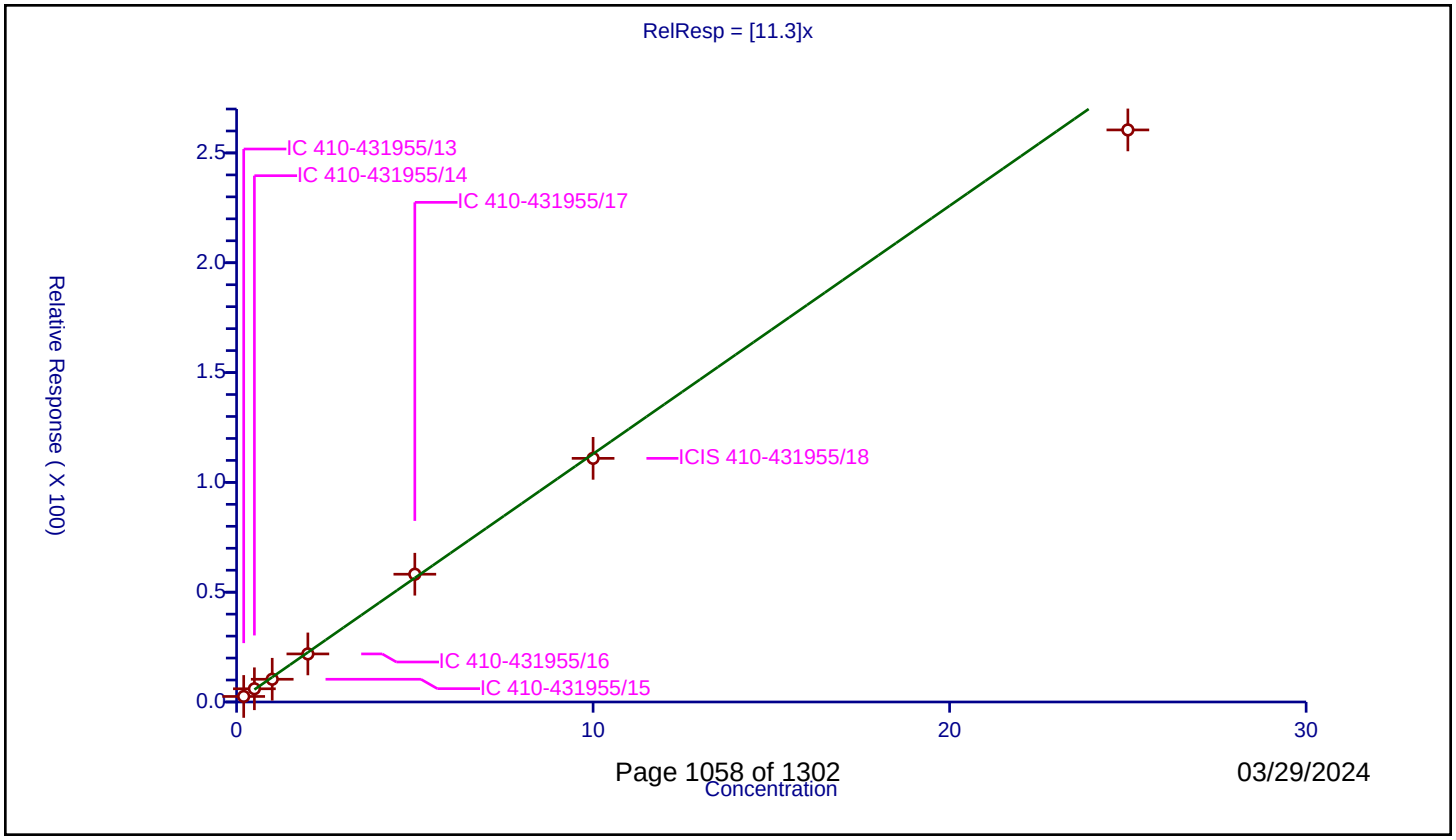
Curve Coefficients

Intercept:	0
Slope:	11.3

Error Coefficients

Standard Error:	217000
Relative Standard Error:	7.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	2.520496	50.0	75501.0	12.602482	Y
2	IC 410-431955/14	0.5	6.012097	50.0	75057.0	12.024195	Y
3	IC 410-431955/15	1.0	10.355361	50.0	79384.0	10.355361	Y
4	IC 410-431955/16	2.0	21.89157	50.0	77137.0	10.945785	Y
5	IC 410-431955/17	5.0	58.178983	50.0	78879.0	11.635797	Y
6	ICIS 410-431955/18	10.0	110.933387	50.0	83963.0	11.093339	Y
7	IC 410-431955/19	25.0	260.481307	50.0	93724.0	10.419252	Y



Calibration / 1,4-Dioxane

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

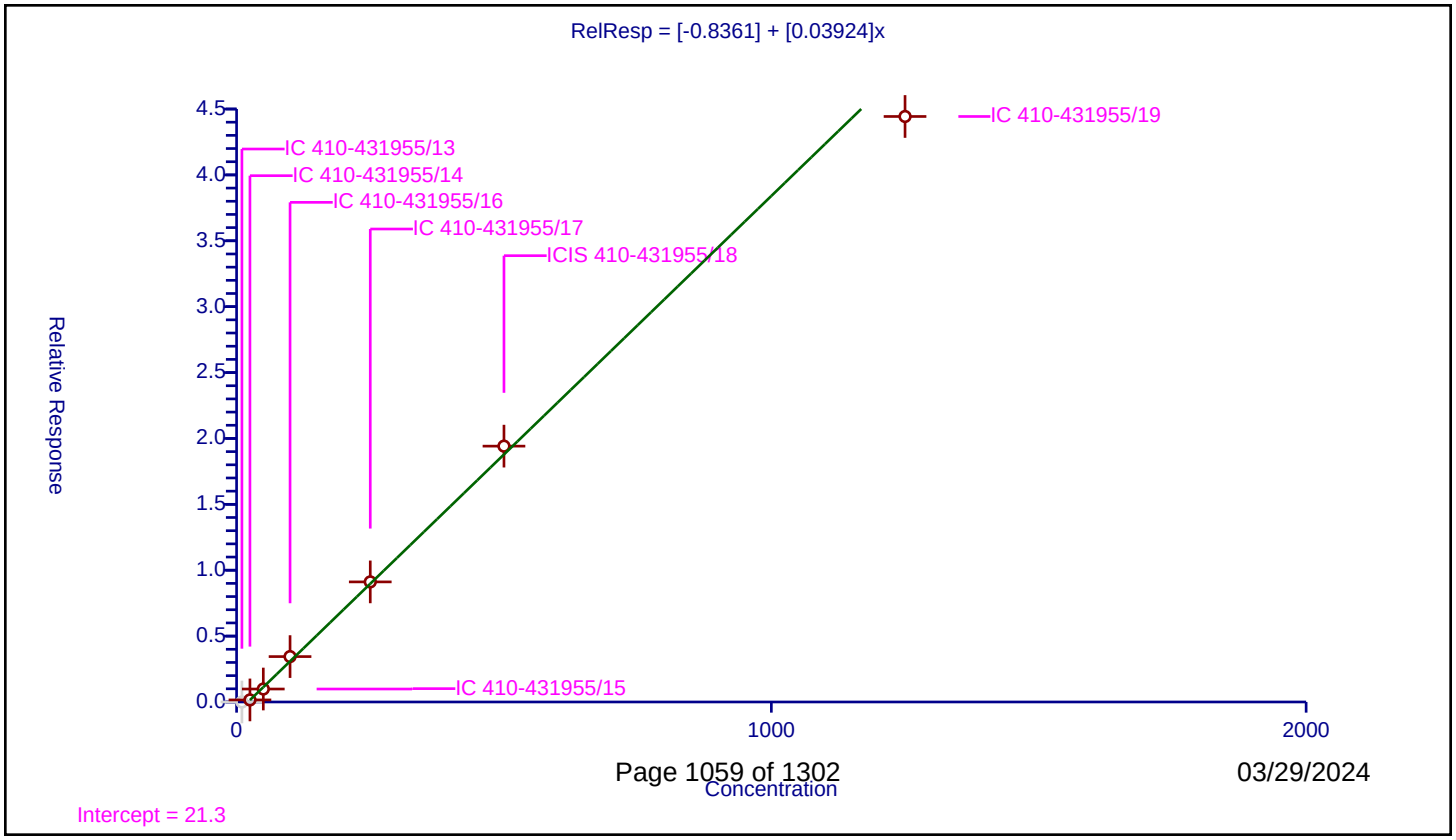
Curve Coefficients

Intercept:	-0.8361
Slope:	0.03924

Error Coefficients

Standard Error:	45400
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	10.0	0.0	50.0	75501.0	0.0	N
2	IC 410-431955/14	25.0	0.156548	50.0	75057.0	0.006262	Y
3	IC 410-431955/15	50.0	0.984455	50.0	79384.0	0.019689	Y
4	IC 410-431955/16	100.0	3.444521	50.0	77137.0	0.034445	Y
5	IC 410-431955/17	250.0	9.113959	50.0	78879.0	0.036456	Y
6	ICIS 410-431955/18	500.0	19.416886	50.0	83963.0	0.038834	Y
7	IC 410-431955/19	1250.0	44.43419	50.0	93724.0	0.035547	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

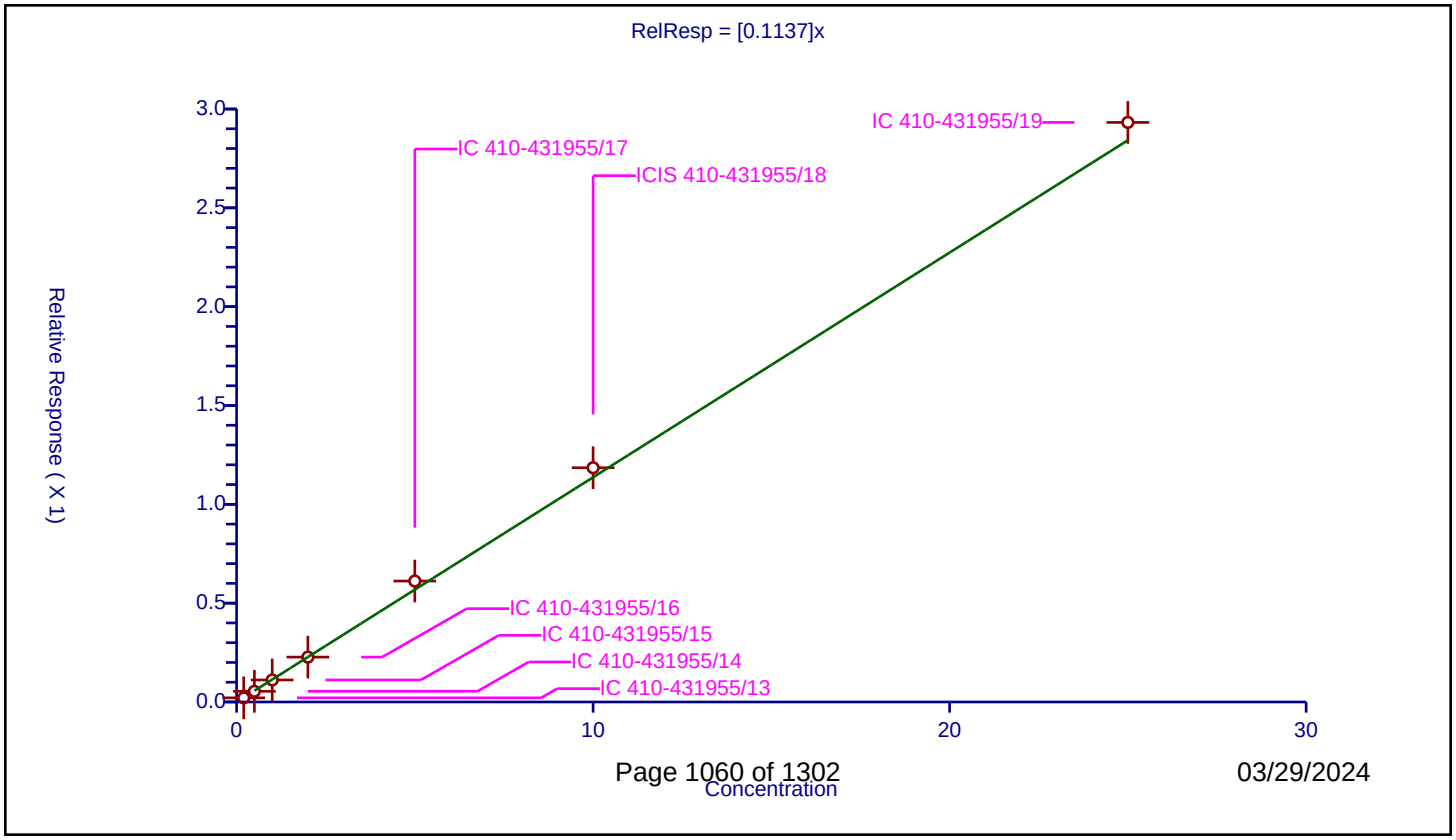
Curve Coefficients

Intercept:	0
Slope:	0.1137

Error Coefficients

Standard Error:	245000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.020932	10.0	1727945.0	0.104662	Y
2	IC 410-431955/14	0.5	0.054017	10.0	1732238.0	0.108034	Y
3	IC 410-431955/15	1.0	0.111342	10.0	1719834.0	0.111342	Y
4	IC 410-431955/16	2.0	0.227078	10.0	1746844.0	0.113539	Y
5	IC 410-431955/17	5.0	0.611854	10.0	1767939.0	0.122371	Y
6	ICIS 410-431955/18	10.0	1.185096	10.0	1790766.0	0.11851	Y
7	IC 410-431955/19	25.0	2.93214	10.0	1875183.0	0.117286	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

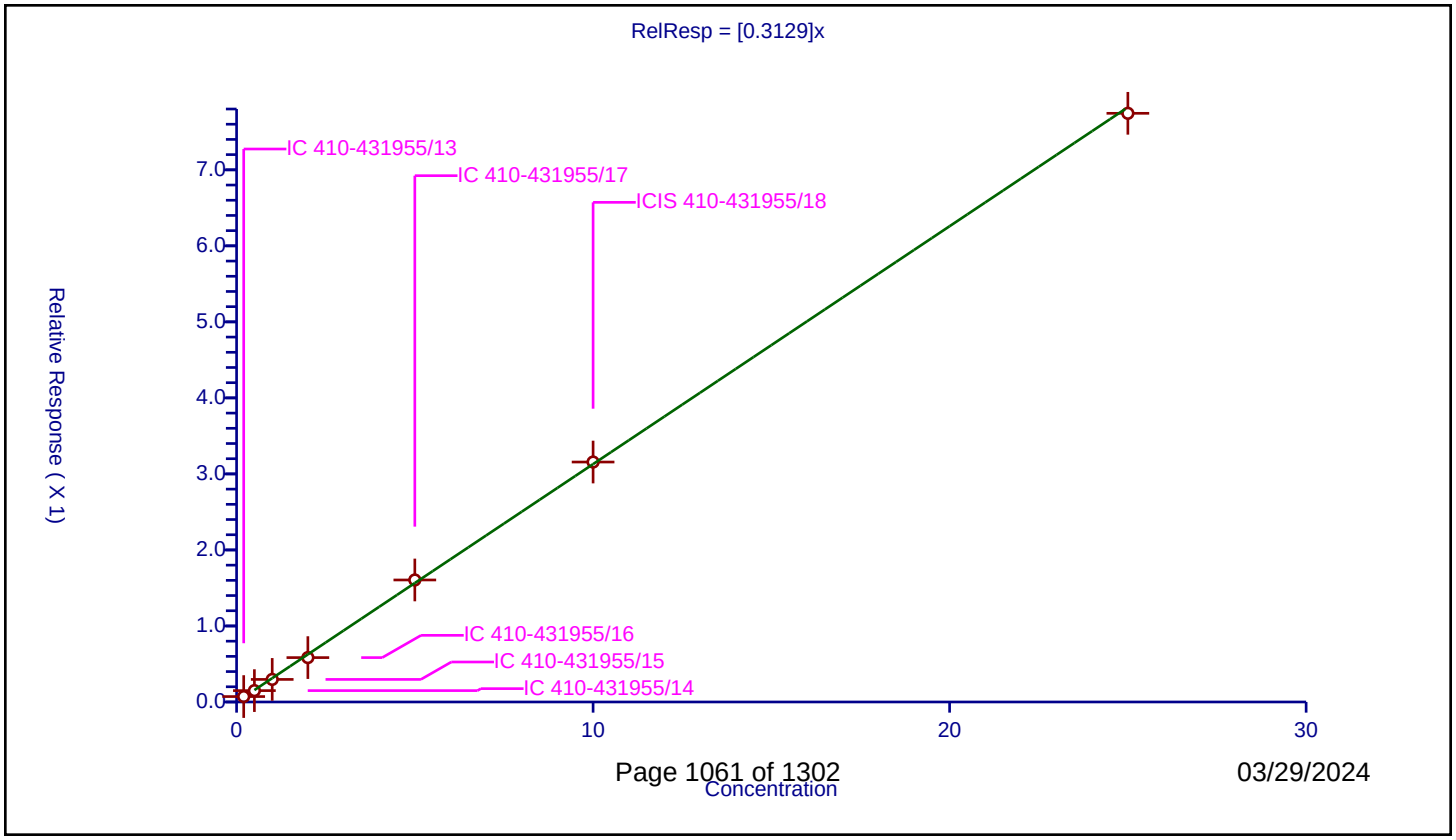
Curve Coefficients

Intercept:	0
Slope:	0.3129

Error Coefficients

Standard Error:	648000
Relative Standard Error:	7.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.071235	10.0	1727945.0	0.356175	Y
2	IC 410-431955/14	0.5	0.149506	10.0	1732238.0	0.299012	Y
3	IC 410-431955/15	1.0	0.296936	10.0	1719834.0	0.296936	Y
4	IC 410-431955/16	2.0	0.583841	10.0	1746844.0	0.291921	Y
5	IC 410-431955/17	5.0	1.605078	10.0	1767939.0	0.321016	Y
6	ICIS 410-431955/18	10.0	3.156292	10.0	1790766.0	0.315629	Y
7	IC 410-431955/19	25.0	7.743394	10.0	1875183.0	0.309736	Y



Calibration / 2-Nitropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

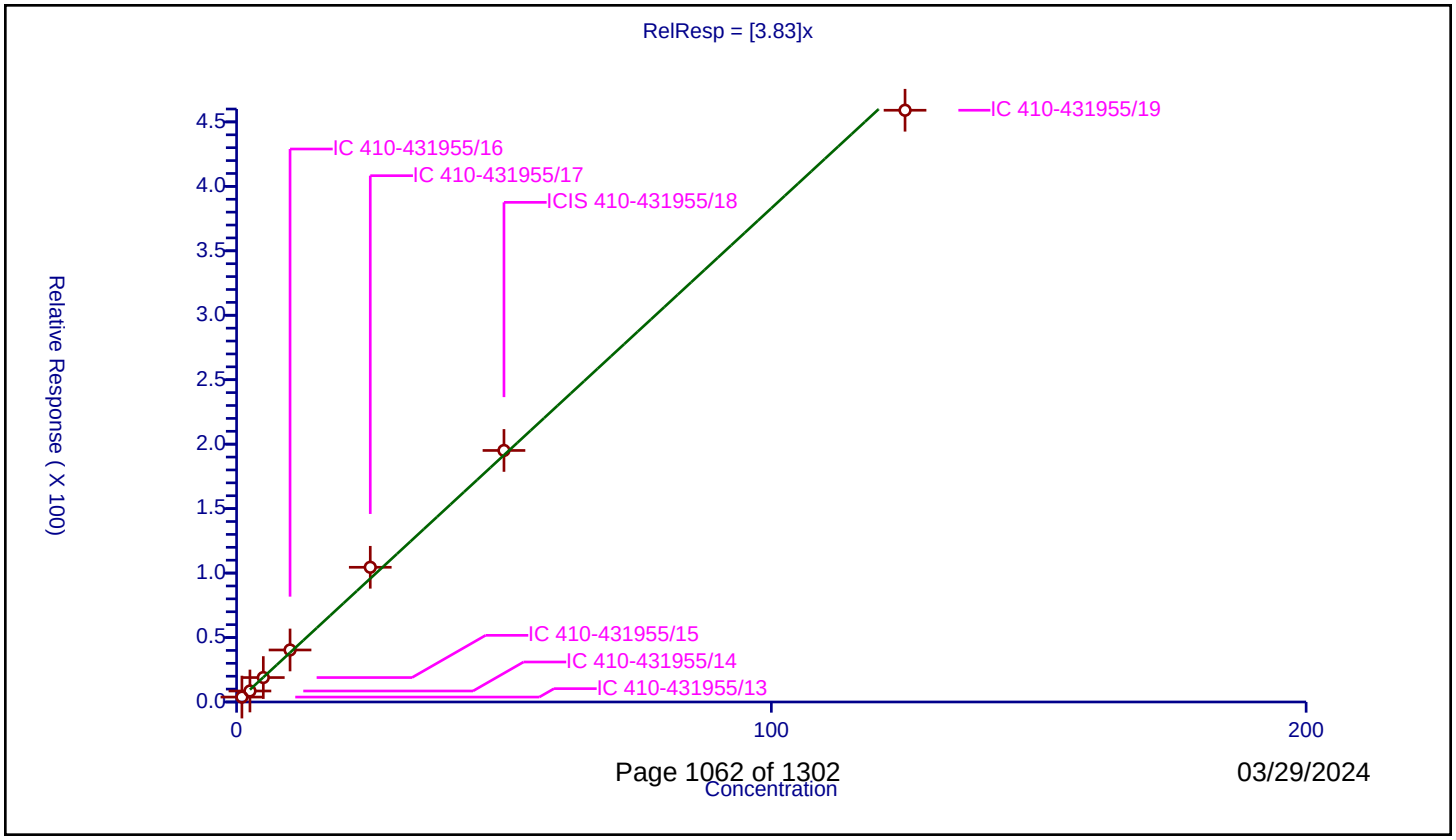
Curve Coefficients

Intercept:	0
Slope:	3.83

Error Coefficients

Standard Error:	383000
Relative Standard Error:	6.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	1.0	3.814519	50.0	75501.0	3.814519	Y
2	IC 410-431955/14	2.5	8.537511	50.0	75057.0	3.415005	Y
3	IC 410-431955/15	5.0	18.962889	50.0	79384.0	3.792578	Y
4	IC 410-431955/16	10.0	40.358064	50.0	77137.0	4.035806	Y
5	IC 410-431955/17	25.0	104.494859	50.0	78879.0	4.179794	Y
6	ICIS 410-431955/18	50.0	195.128211	50.0	83963.0	3.902564	Y
7	IC 410-431955/19	125.0	459.043575	50.0	93724.0	3.672349	Y



Calibration / 1-Bromo-2-chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

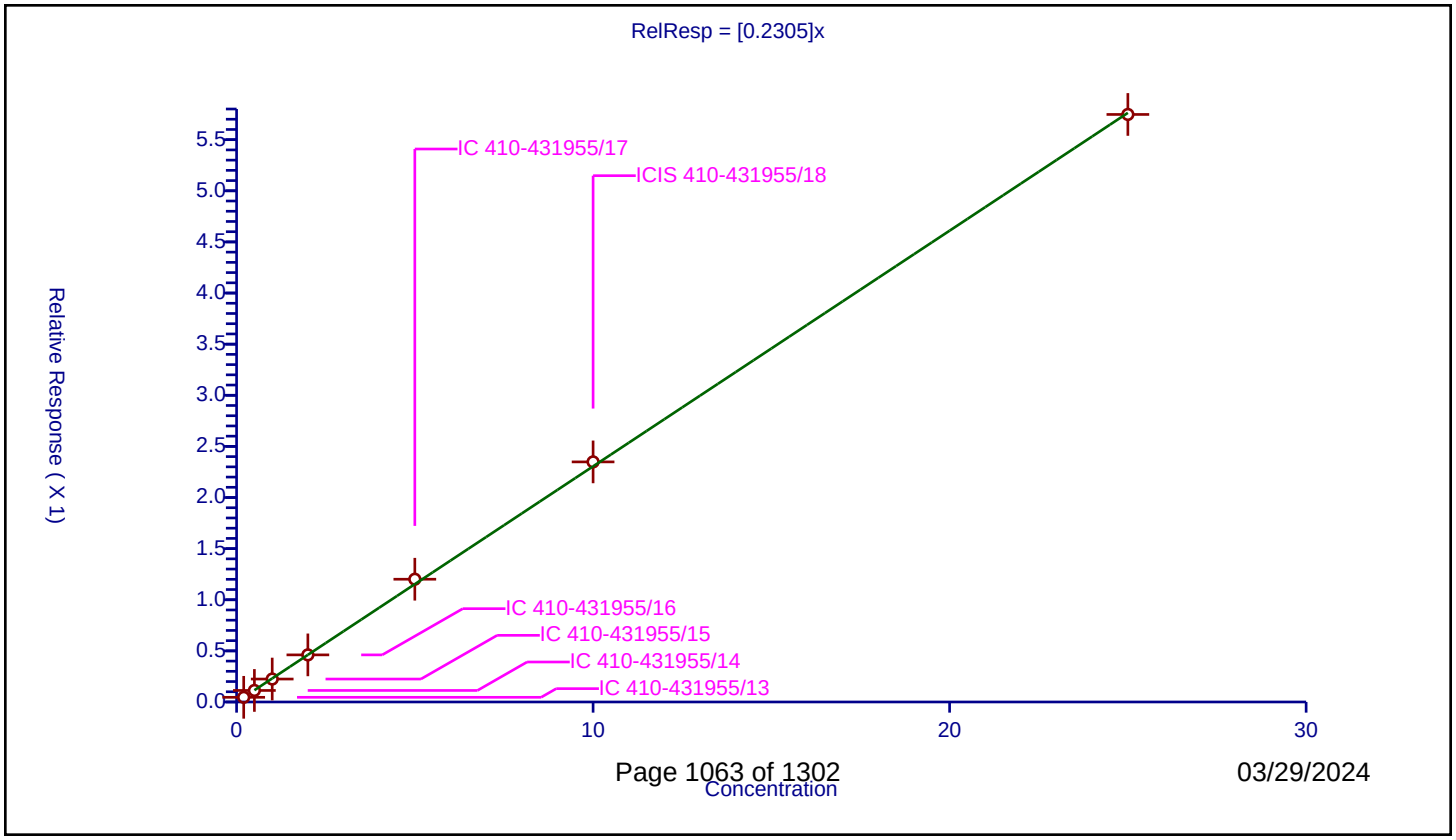
Curve Coefficients

Intercept:	0
Slope:	0.2305

Error Coefficients

Standard Error:	482000
Relative Standard Error:	2.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.045707	10.0	1727945.0	0.228537	Y
2	IC 410-431955/14	0.5	0.112692	10.0	1732238.0	0.225385	Y
3	IC 410-431955/15	1.0	0.224347	10.0	1719834.0	0.224347	Y
4	IC 410-431955/16	2.0	0.460734	10.0	1746844.0	0.230367	Y
5	IC 410-431955/17	5.0	1.200647	10.0	1767939.0	0.240129	Y
6	ICIS 410-431955/18	10.0	2.348392	10.0	1790766.0	0.234839	Y
7	IC 410-431955/19	25.0	5.746863	10.0	1875183.0	0.229875	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

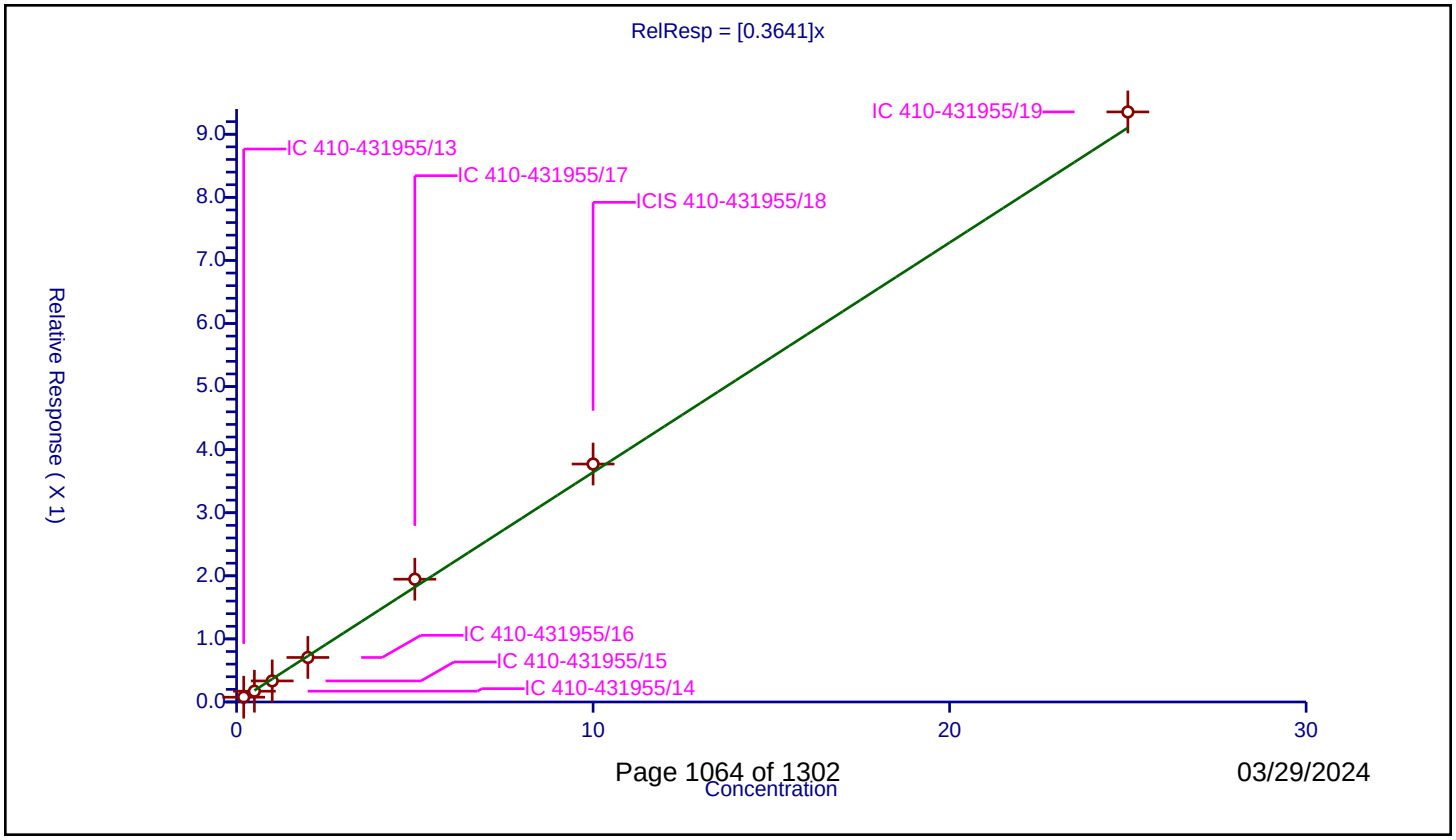
Curve Coefficients

Intercept:	0
Slope:	0.3641

Error Coefficients

Standard Error:	782000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.075888	10.0	1727945.0	0.379439	Y
2	IC 410-431955/14	0.5	0.170946	10.0	1732238.0	0.341893	Y
3	IC 410-431955/15	1.0	0.333945	10.0	1719834.0	0.333945	Y
4	IC 410-431955/16	2.0	0.705821	10.0	1746844.0	0.352911	Y
5	IC 410-431955/17	5.0	1.946492	10.0	1767939.0	0.389298	Y
6	ICIS 410-431955/18	10.0	3.772067	10.0	1790766.0	0.377207	Y
7	IC 410-431955/19	25.0	9.353834	10.0	1875183.0	0.374153	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

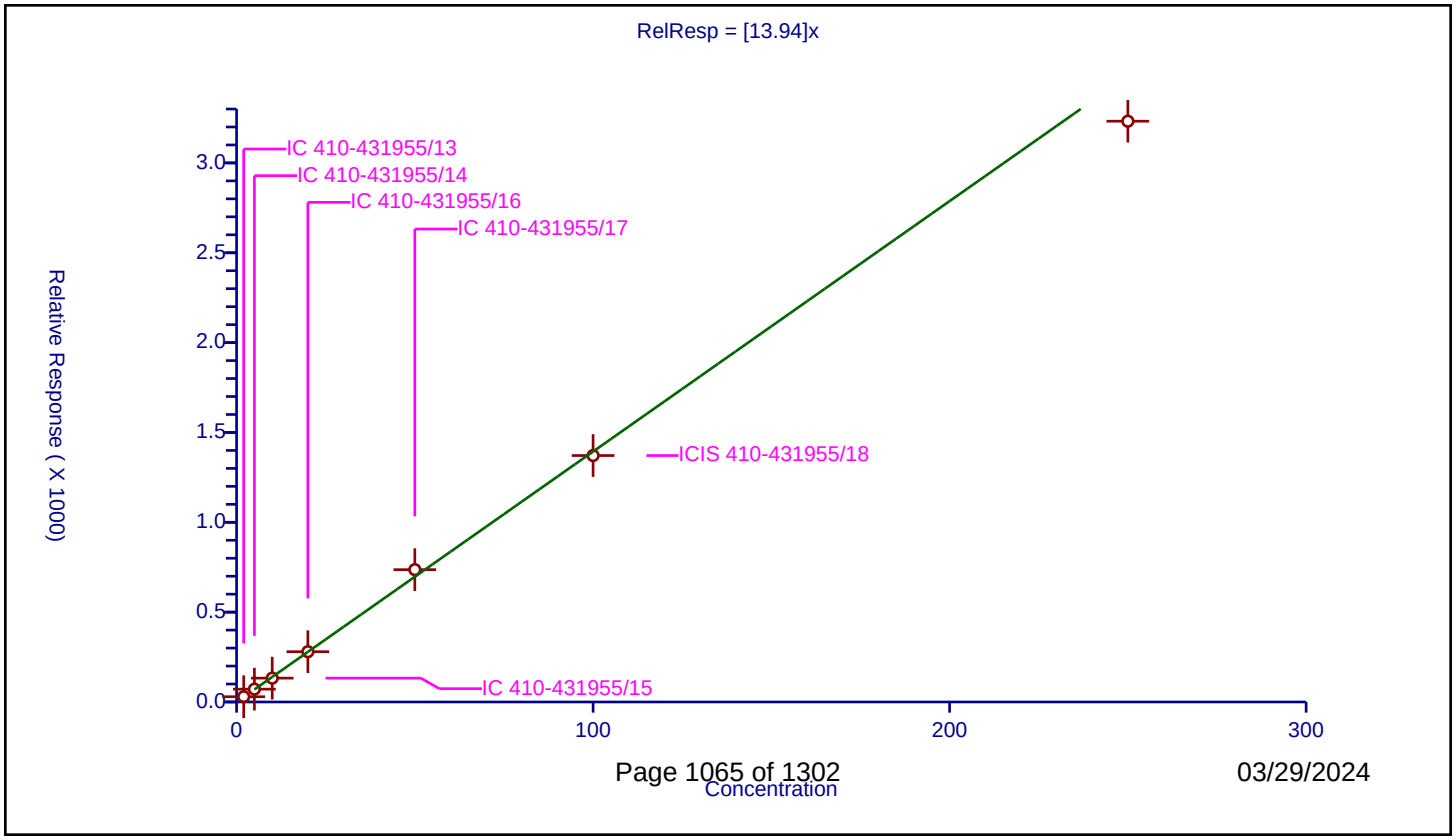
Curve Coefficients

Intercept:	0
Slope:	13.94

Error Coefficients

Standard Error:	2690000
Relative Standard Error:	4.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	2.0	29.270473	50.0	75501.0	14.635237	Y
2	IC 410-431955/14	5.0	71.441038	50.0	75057.0	14.288208	Y
3	IC 410-431955/15	10.0	132.706843	50.0	79384.0	13.270684	Y
4	IC 410-431955/16	20.0	279.859212	50.0	77137.0	13.992961	Y
5	IC 410-431955/17	50.0	736.497674	50.0	78879.0	14.729953	Y
6	ICIS 410-431955/18	100.0	1371.464812	50.0	83963.0	13.714648	Y
7	IC 410-431955/19	250.0	3232.142247	50.0	93724.0	12.928569	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

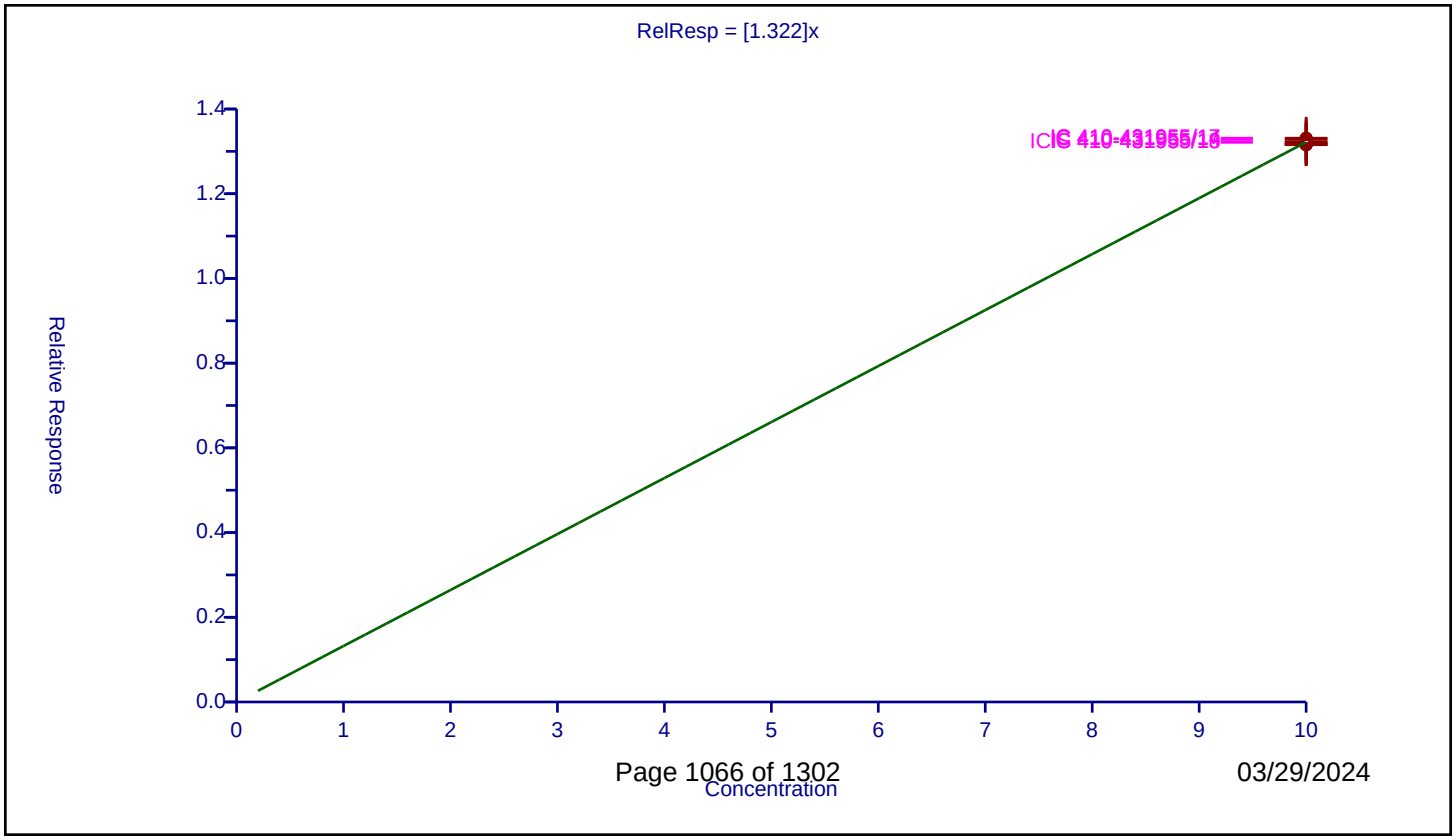
Curve Coefficients

Intercept:	0
Slope:	1.322

Error Coefficients

Standard Error:	1910000
Relative Standard Error:	0.5
Correlation Coefficient:	0.00000000000000000000
Coefficient of Determination (Adjusted):	0.000000000000000111

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	10.0	13.156875	10.0	1303181.0	1.315688	Y
2	IC 410-431955/14	10.0	13.282337	10.0	1303431.0	1.328234	Y
3	IC 410-431955/15	10.0	13.166295	10.0	1309701.0	1.31663	Y
4	IC 410-431955/16	10.0	13.165205	10.0	1328211.0	1.31652	Y
5	IC 410-431955/17	10.0	13.310918	10.0	1333491.0	1.331092	Y
6	ICIS 410-431955/18	10.0	13.219322	10.0	1358954.0	1.321932	Y
7	IC 410-431955/19	10.0	13.217525	10.0	1426382.0	1.321753	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

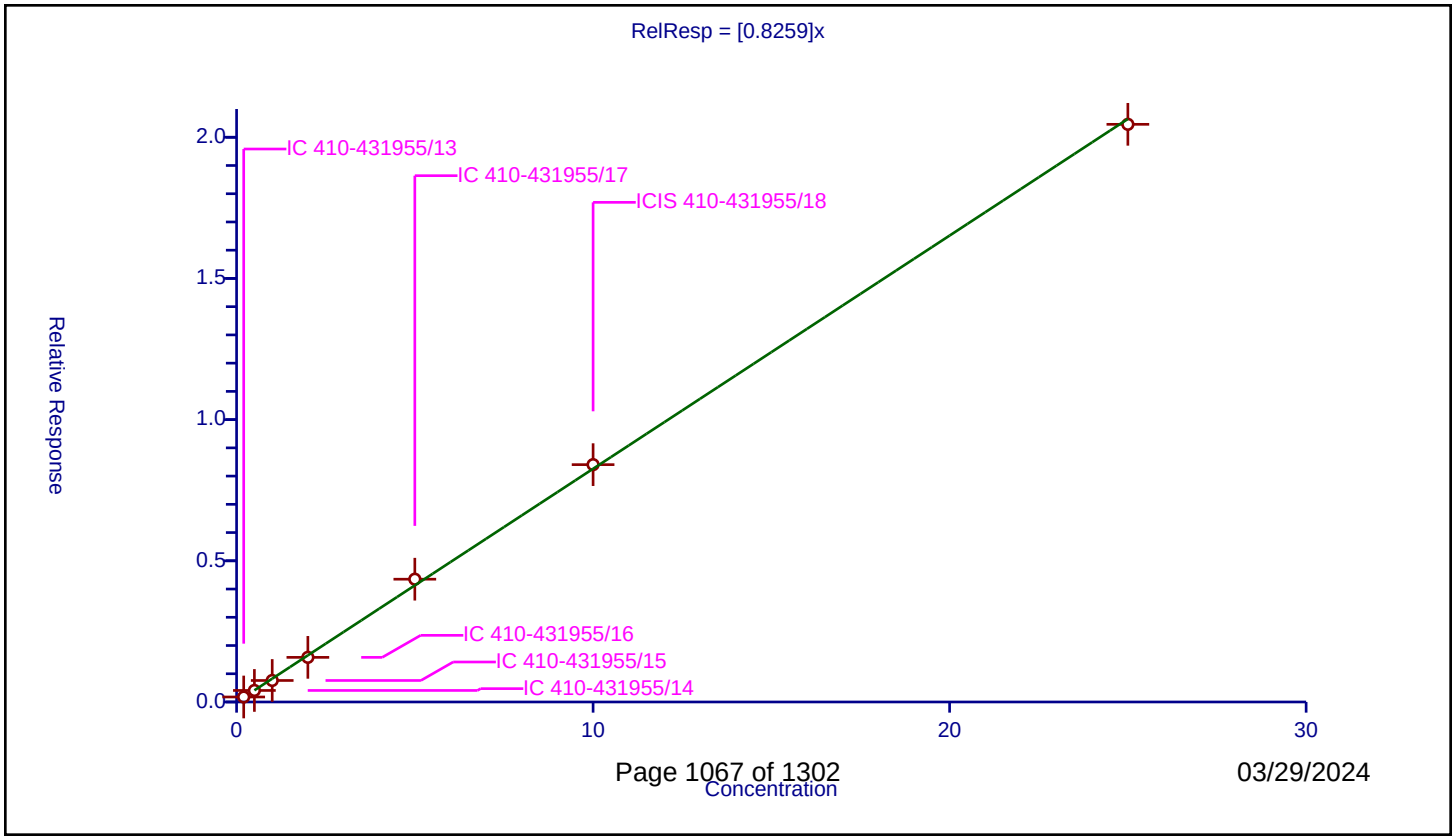
Curve Coefficients

Intercept:	0
Slope:	0.8259

Error Coefficients

Standard Error:	1300000
Relative Standard Error:	5.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.177028	10.0	1303181.0	0.885142	Y
2	IC 410-431955/14	0.5	0.408046	10.0	1303431.0	0.816092	Y
3	IC 410-431955/15	1.0	0.761204	10.0	1309701.0	0.761204	Y
4	IC 410-431955/16	2.0	1.580645	10.0	1328211.0	0.790322	Y
5	IC 410-431955/17	5.0	4.348578	10.0	1333491.0	0.869716	Y
6	ICIS 410-431955/18	10.0	8.405811	10.0	1358954.0	0.840581	Y
7	IC 410-431955/19	25.0	20.458208	10.0	1426382.0	0.818328	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

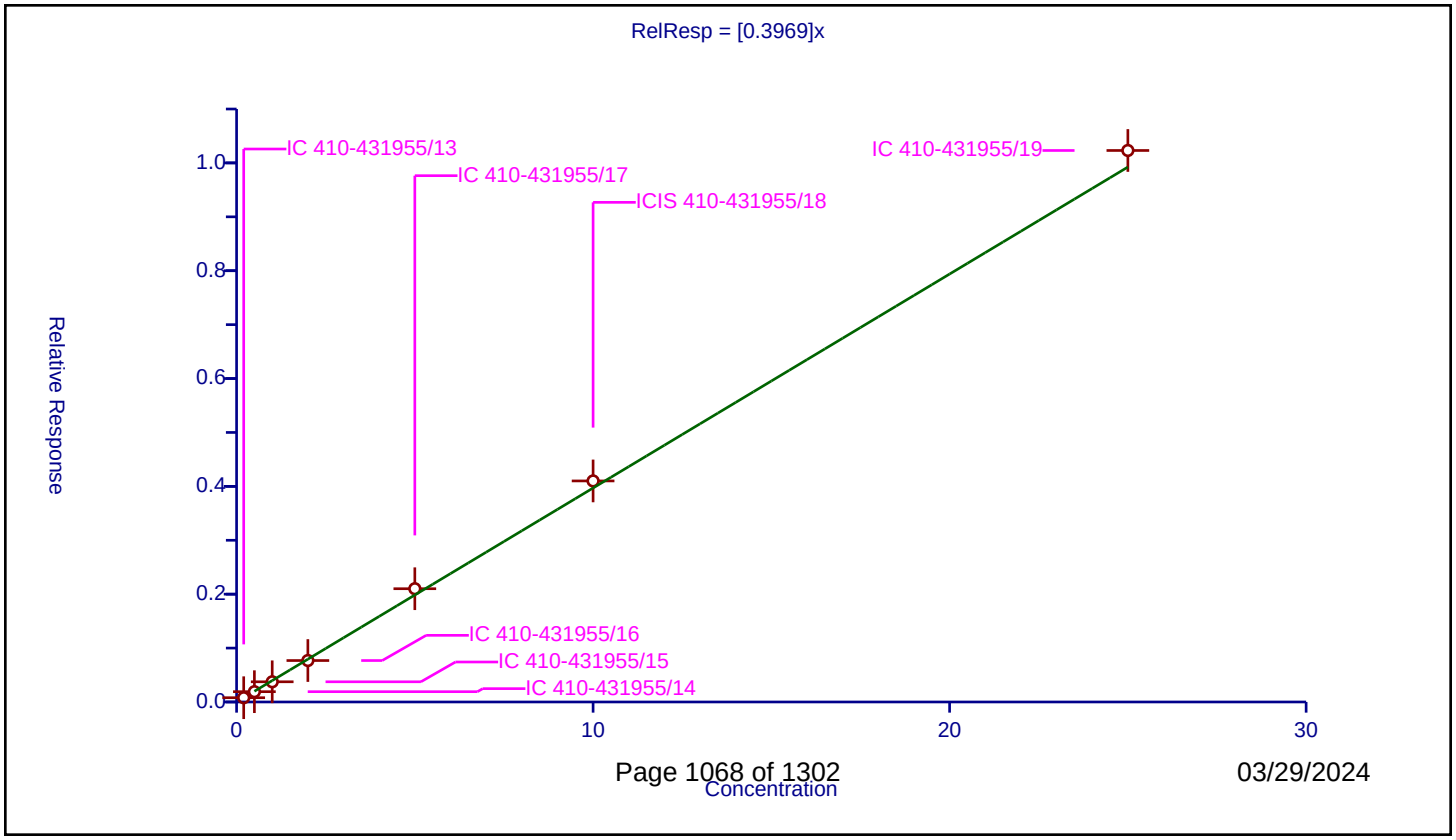
Curve Coefficients

Intercept:	0
Slope:	0.3969

Error Coefficients

Standard Error:	650000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.079475	10.0	1303181.0	0.397374	Y
2	IC 410-431955/14	0.5	0.191303	10.0	1303431.0	0.382606	Y
3	IC 410-431955/15	1.0	0.374574	10.0	1309701.0	0.374574	Y
4	IC 410-431955/16	2.0	0.769042	10.0	1328211.0	0.384521	Y
5	IC 410-431955/17	5.0	2.101027	10.0	1333491.0	0.420205	Y
6	ICIS 410-431955/18	10.0	4.100448	10.0	1358954.0	0.410045	Y
7	IC 410-431955/19	25.0	10.230801	10.0	1426382.0	0.409232	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

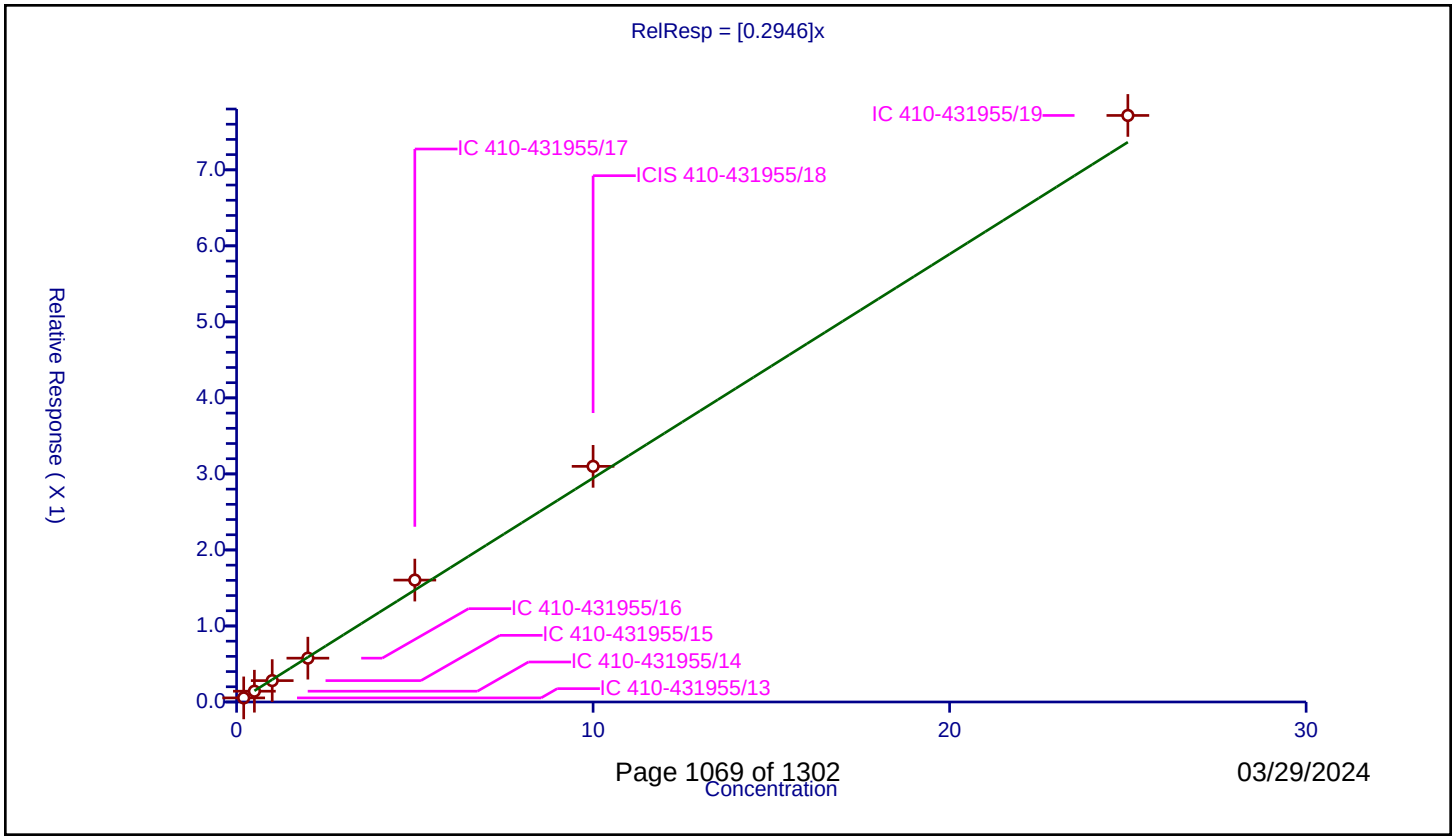
Curve Coefficients

Intercept:	0
Slope:	0.2946

Error Coefficients

Standard Error:	490000
Relative Standard Error:	6.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.05393	10.0	1303181.0	0.269648	Y
2	IC 410-431955/14	0.5	0.141787	10.0	1303431.0	0.283575	Y
3	IC 410-431955/15	1.0	0.281141	10.0	1309701.0	0.281141	Y
4	IC 410-431955/16	2.0	0.576618	10.0	1328211.0	0.288309	Y
5	IC 410-431955/17	5.0	1.603633	10.0	1333491.0	0.320727	Y
6	ICIS 410-431955/18	10.0	3.09973	10.0	1358954.0	0.309973	Y
7	IC 410-431955/19	25.0	7.715521	10.0	1426382.0	0.308621	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

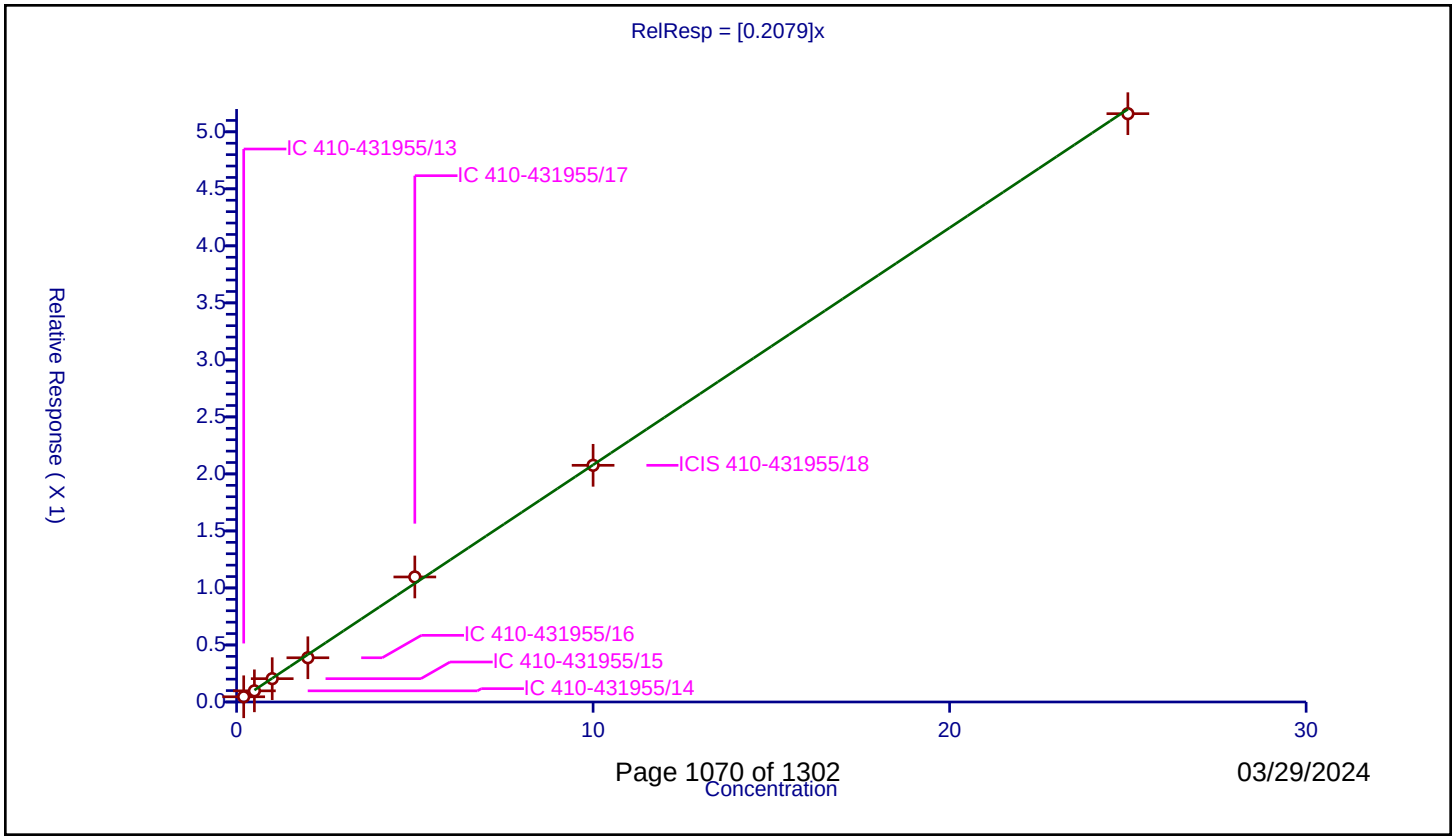
Curve Coefficients

Intercept:	0
Slope:	0.2079

Error Coefficients

Standard Error:	328000
Relative Standard Error:	5.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.045627	10.0	1303181.0	0.228134	Y
2	IC 410-431955/14	0.5	0.097872	10.0	1303431.0	0.195745	Y
3	IC 410-431955/15	1.0	0.204421	10.0	1309701.0	0.204421	Y
4	IC 410-431955/16	2.0	0.38795	10.0	1328211.0	0.193975	Y
5	IC 410-431955/17	5.0	1.096453	10.0	1333491.0	0.219291	Y
6	ICIS 410-431955/18	10.0	2.075633	10.0	1358954.0	0.207563	Y
7	IC 410-431955/19	25.0	5.158997	10.0	1426382.0	0.20636	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

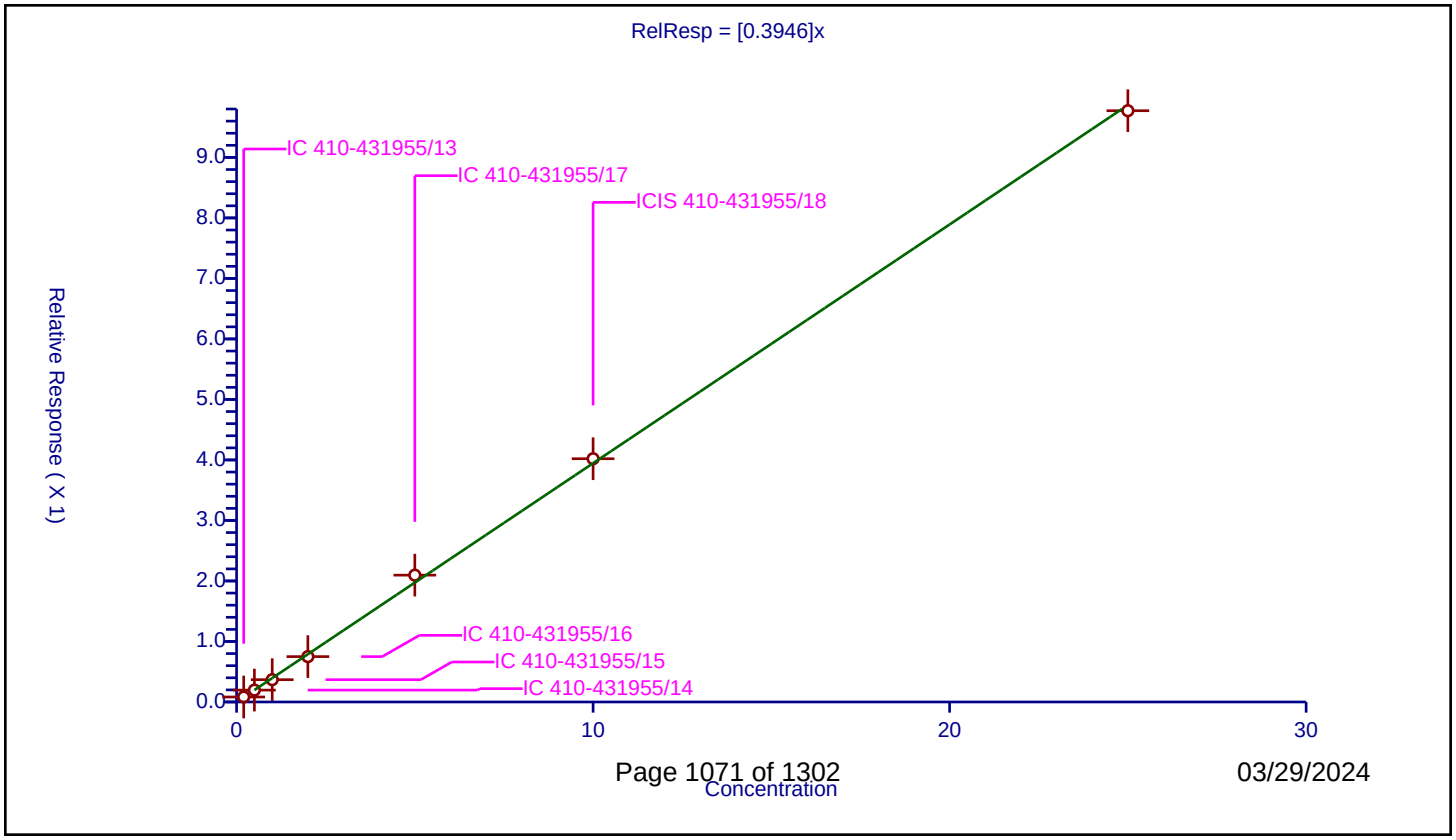
Curve Coefficients

Intercept:	0
Slope:	0.3946

Error Coefficients

Standard Error:	623000
Relative Standard Error:	4.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.082767	10.0	1303181.0	0.413834	Y
2	IC 410-431955/14	0.5	0.196313	10.0	1303431.0	0.392625	Y
3	IC 410-431955/15	1.0	0.368695	10.0	1309701.0	0.368695	Y
4	IC 410-431955/16	2.0	0.749708	10.0	1328211.0	0.374854	Y
5	IC 410-431955/17	5.0	2.096175	10.0	1333491.0	0.419235	Y
6	ICIS 410-431955/18	10.0	4.020342	10.0	1358954.0	0.402034	Y
7	IC 410-431955/19	25.0	9.771926	10.0	1426382.0	0.390877	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

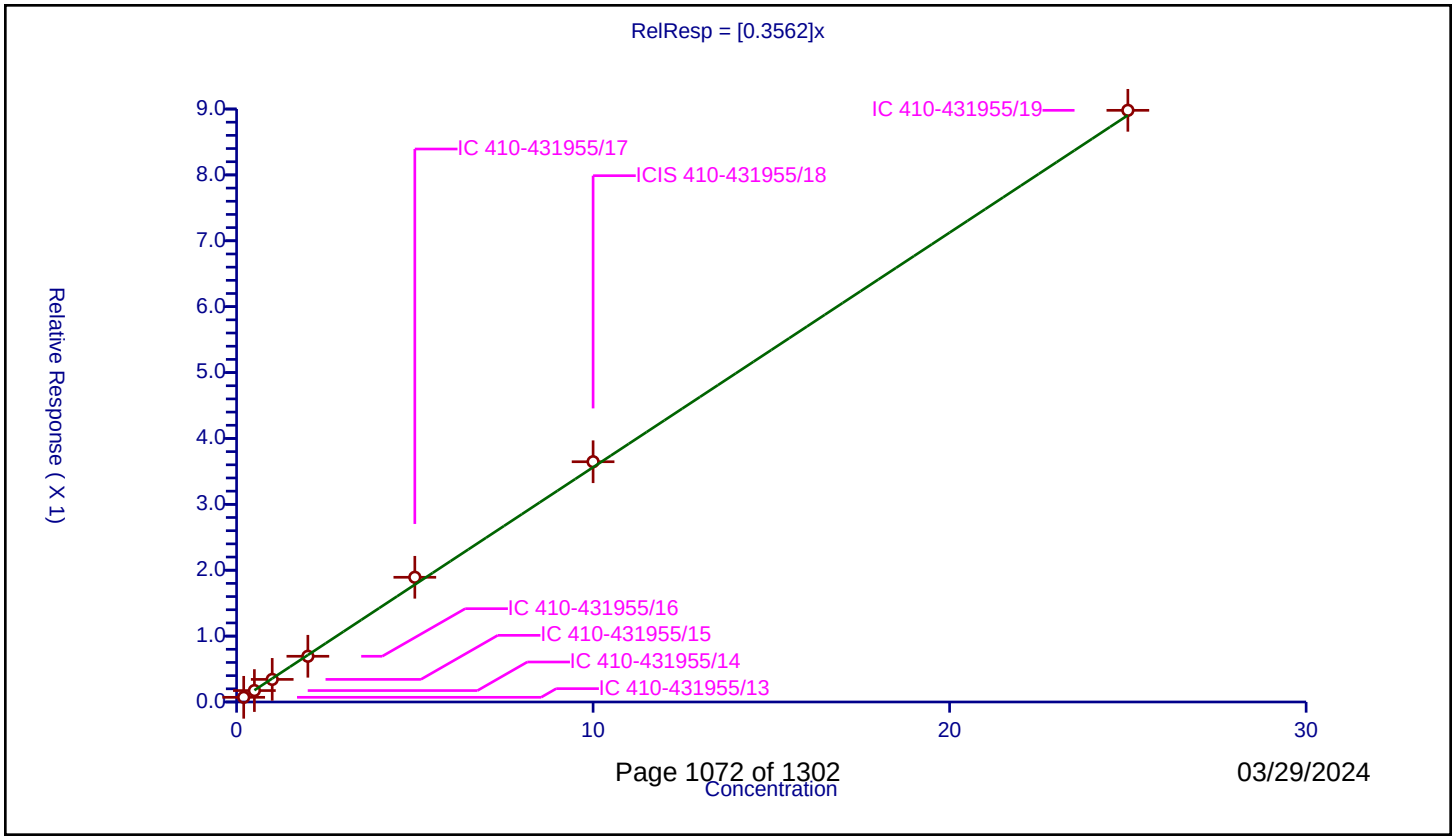
Curve Coefficients

Intercept:	0
Slope:	0.3562

Error Coefficients

Standard Error:	572000
Relative Standard Error:	3.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.070957	10.0	1303181.0	0.354786	Y
2	IC 410-431955/14	0.5	0.173281	10.0	1303431.0	0.346562	Y
3	IC 410-431955/15	1.0	0.342811	10.0	1309701.0	0.342811	Y
4	IC 410-431955/16	2.0	0.693918	10.0	1328211.0	0.346959	Y
5	IC 410-431955/17	5.0	1.892746	10.0	1333491.0	0.378549	Y
6	ICIS 410-431955/18	10.0	3.646665	10.0	1358954.0	0.364667	Y
7	IC 410-431955/19	25.0	8.980322	10.0	1426382.0	0.359213	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

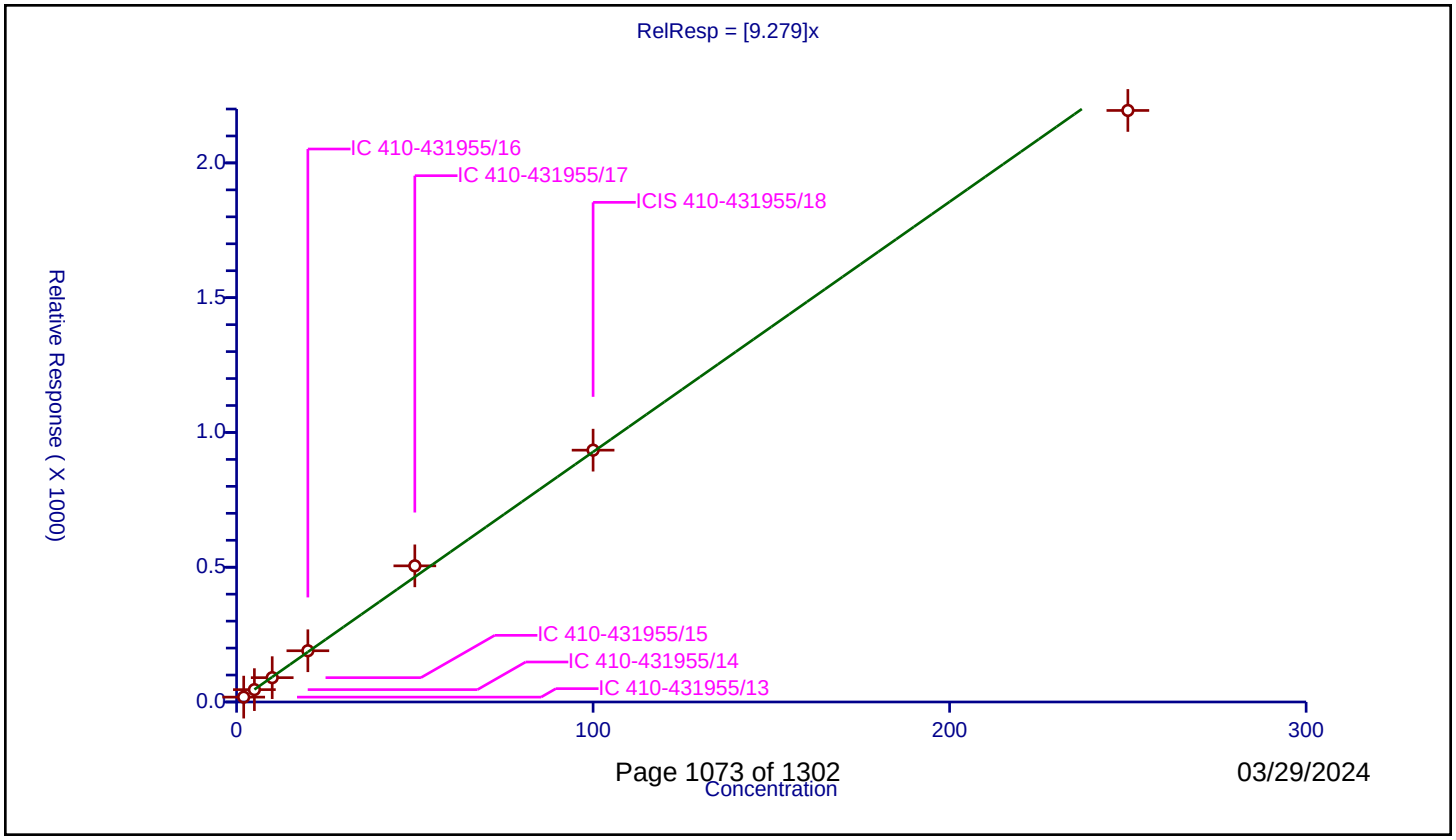
Curve Coefficients

Intercept:	0
Slope:	9.279

Error Coefficients

Standard Error:	1830000
Relative Standard Error:	4.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	2.0	18.062012	50.0	75501.0	9.031006	Y
2	IC 410-431955/14	5.0	45.830502	50.0	75057.0	9.1661	Y
3	IC 410-431955/15	10.0	90.26756	50.0	79384.0	9.026756	Y
4	IC 410-431955/16	20.0	190.13314	50.0	77137.0	9.506657	Y
5	IC 410-431955/17	50.0	505.110359	50.0	78879.0	10.102207	Y
6	ICIS 410-431955/18	100.0	934.324047	50.0	83963.0	9.34324	Y
7	IC 410-431955/19	250.0	2194.658252	50.0	93724.0	8.778633	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

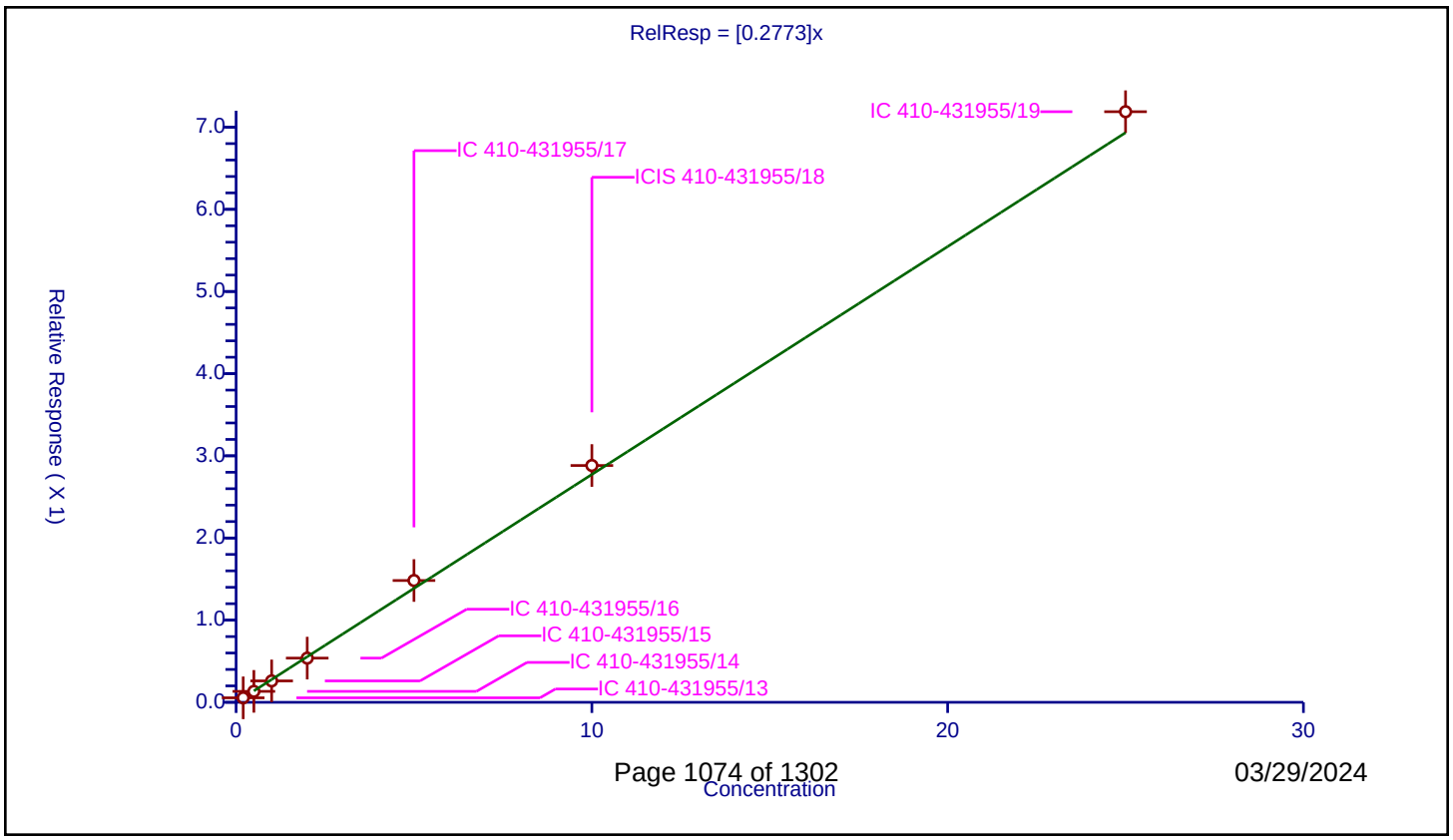
Curve Coefficients

Intercept:	0
Slope:	0.2773

Error Coefficients

Standard Error:	457000
Relative Standard Error:	4.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.054643	10.0	1303181.0	0.273216	Y
2	IC 410-431955/14	0.5	0.133218	10.0	1303431.0	0.266435	Y
3	IC 410-431955/15	1.0	0.260464	10.0	1309701.0	0.260464	Y
4	IC 410-431955/16	2.0	0.537889	10.0	1328211.0	0.268944	Y
5	IC 410-431955/17	5.0	1.482455	10.0	1333491.0	0.296491	Y
6	ICIS 410-431955/18	10.0	2.882305	10.0	1358954.0	0.288231	Y
7	IC 410-431955/19	25.0	7.188404	10.0	1426382.0	0.287536	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

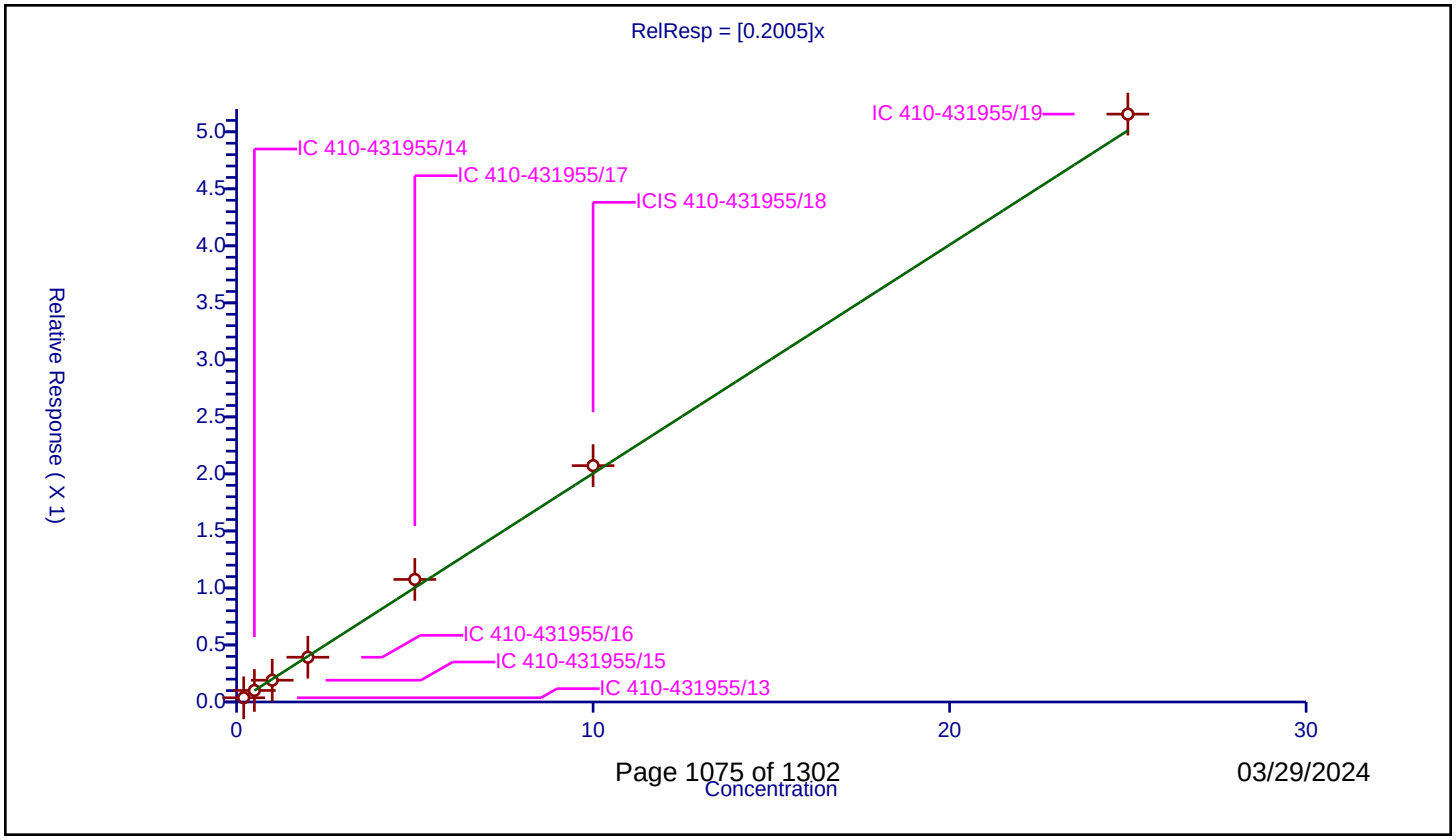
Curve Coefficients

Intercept:	0
Slope:	0.2005

Error Coefficients

Standard Error:	328000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.037117	10.0	1303181.0	0.185584	Y
2	IC 410-431955/14	0.5	0.101064	10.0	1303431.0	0.202128	Y
3	IC 410-431955/15	1.0	0.190853	10.0	1309701.0	0.190853	Y
4	IC 410-431955/16	2.0	0.392536	10.0	1328211.0	0.196268	Y
5	IC 410-431955/17	5.0	1.074675	10.0	1333491.0	0.214935	Y
6	ICIS 410-431955/18	10.0	2.072646	10.0	1358954.0	0.207265	Y
7	IC 410-431955/19	25.0	5.1554	10.0	1426382.0	0.206216	Y



Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

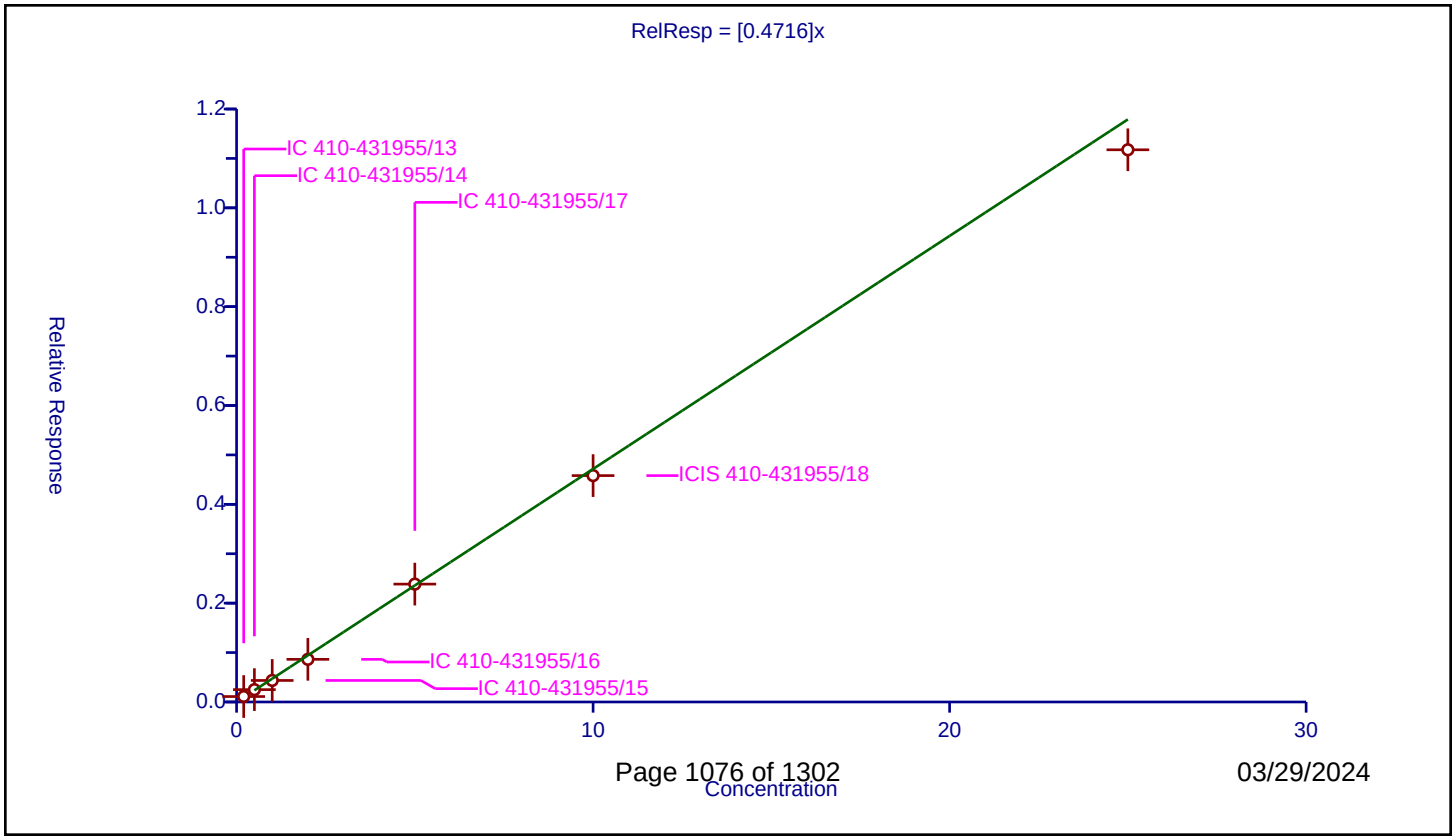
Curve Coefficients

Intercept:	0
Slope:	0.4716

Error Coefficients

Standard Error:	713000
Relative Standard Error:	9.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.110299	10.0	1303181.0	0.551497	Y
2	IC 410-431955/14	0.5	0.250086	10.0	1303431.0	0.500172	Y
3	IC 410-431955/15	1.0	0.435557	10.0	1309701.0	0.435557	Y
4	IC 410-431955/16	2.0	0.863274	10.0	1328211.0	0.431637	Y
5	IC 410-431955/17	5.0	2.38552	10.0	1333491.0	0.477104	Y
6	ICIS 410-431955/18	10.0	4.581251	10.0	1358954.0	0.458125	Y
7	IC 410-431955/19	25.0	11.174812	10.0	1426382.0	0.446992	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

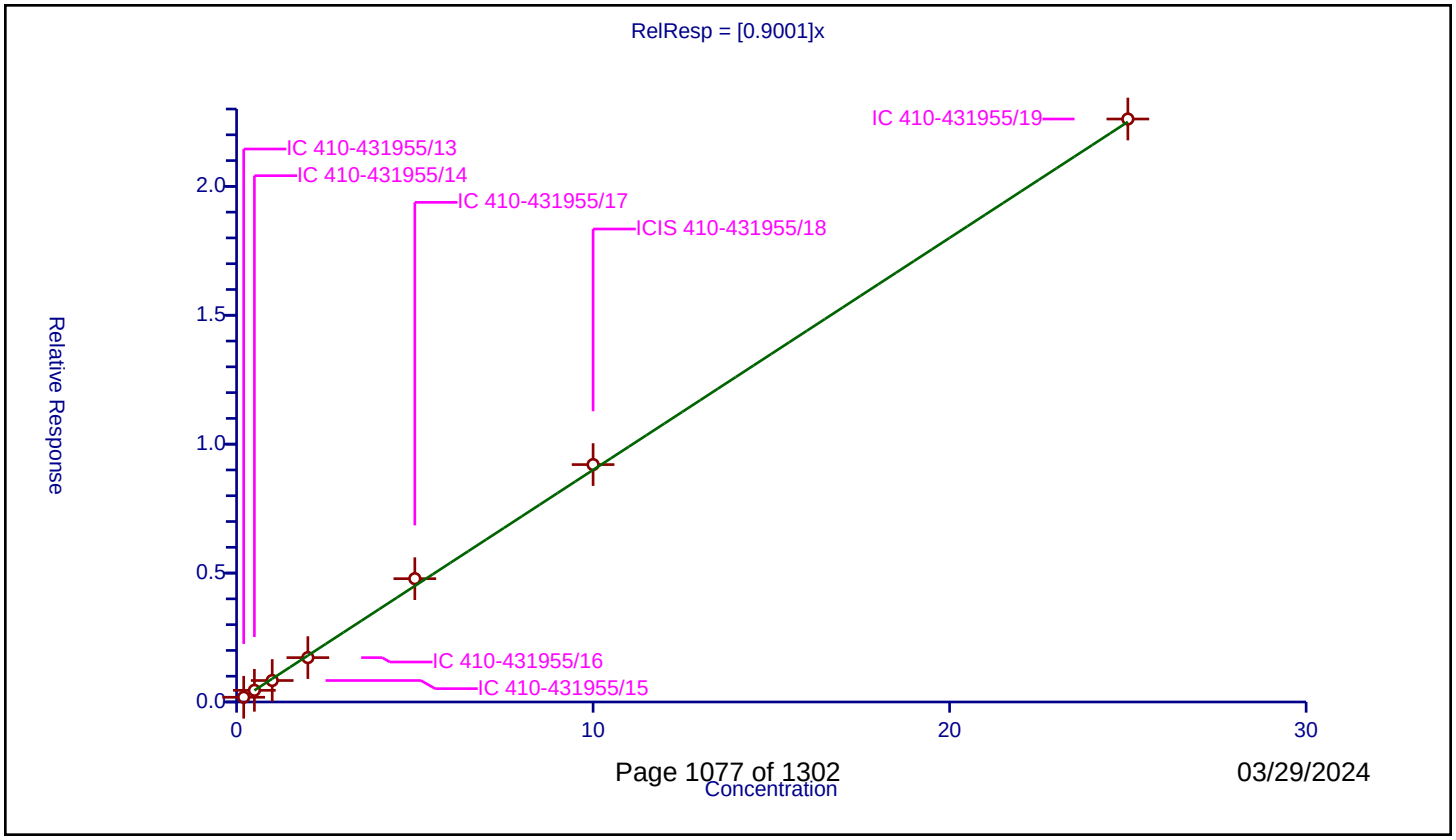
Curve Coefficients

Intercept:	0
Slope:	0.9001

Error Coefficients

Standard Error:	1440000
Relative Standard Error:	4.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.183942	10.0	1303181.0	0.919711	Y
2	IC 410-431955/14	0.5	0.452652	10.0	1303431.0	0.905303	Y
3	IC 410-431955/15	1.0	0.833412	10.0	1309701.0	0.833412	Y
4	IC 410-431955/16	2.0	1.720849	10.0	1328211.0	0.860424	Y
5	IC 410-431955/17	5.0	4.782897	10.0	1333491.0	0.956579	Y
6	ICIS 410-431955/18	10.0	9.208479	10.0	1358954.0	0.920848	Y
7	IC 410-431955/19	25.0	22.612035	10.0	1426382.0	0.904481	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

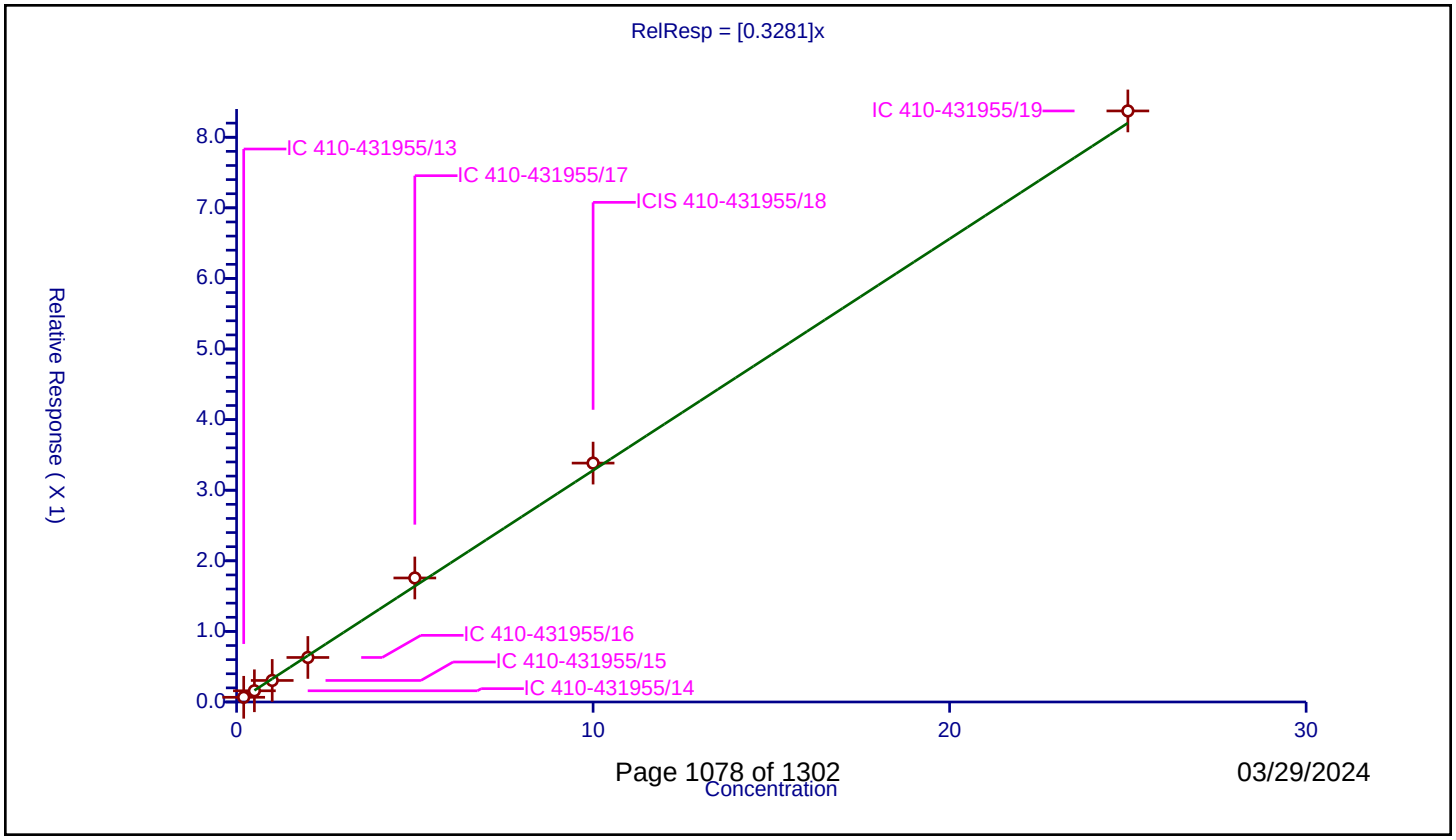
Curve Coefficients

Intercept:	0
Slope:	0.3281

Error Coefficients

Standard Error:	533000
Relative Standard Error:	4.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.066752	10.0	1303181.0	0.33376	Y
2	IC 410-431955/14	0.5	0.158758	10.0	1303431.0	0.317516	Y
3	IC 410-431955/15	1.0	0.305207	10.0	1309701.0	0.305207	Y
4	IC 410-431955/16	2.0	0.630487	10.0	1328211.0	0.315244	Y
5	IC 410-431955/17	5.0	1.756817	10.0	1333491.0	0.351363	Y
6	ICIS 410-431955/18	10.0	3.38425	10.0	1358954.0	0.338425	Y
7	IC 410-431955/19	25.0	8.372813	10.0	1426382.0	0.334913	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

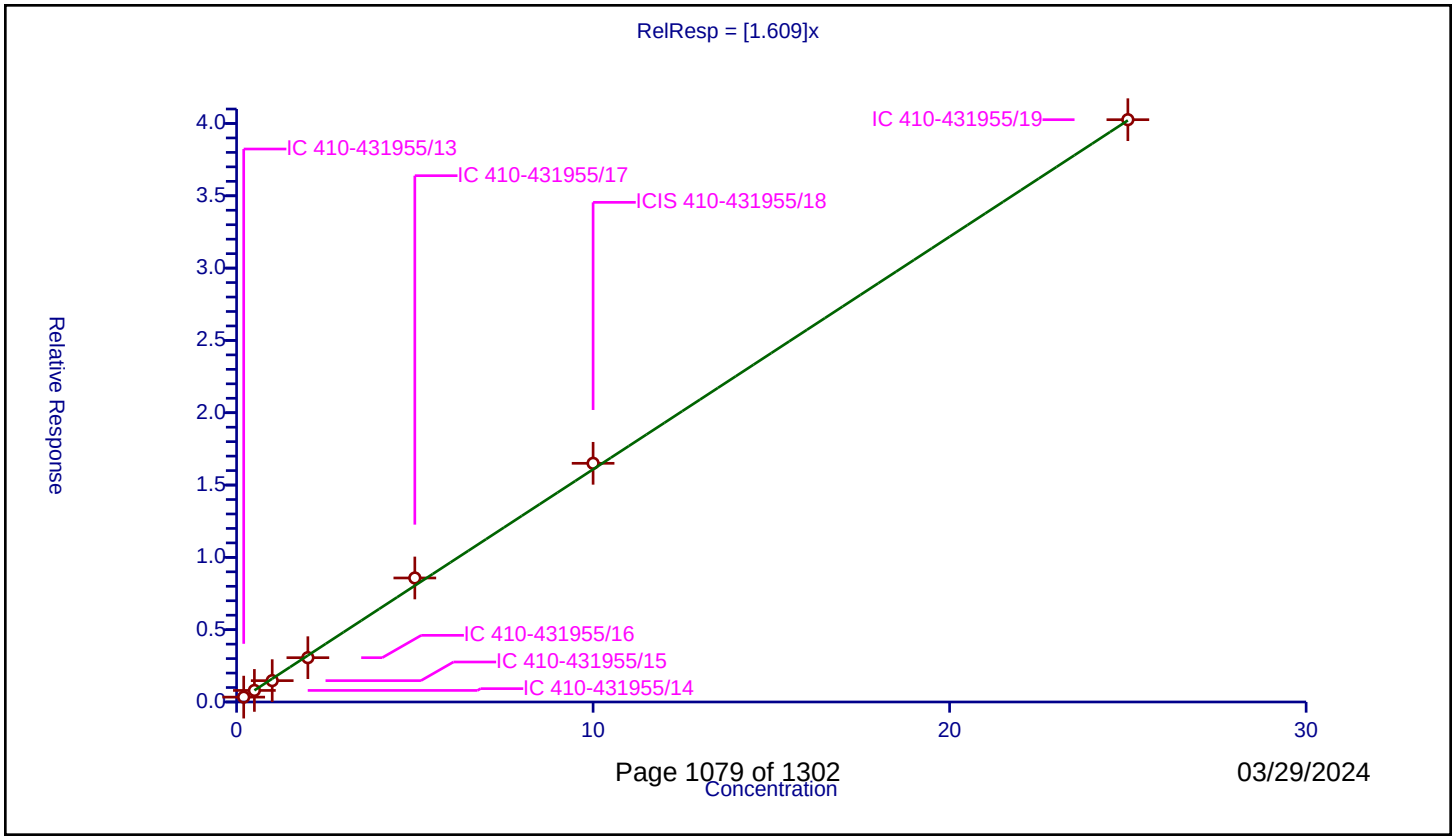
Curve Coefficients

Intercept:	0
Slope:	1.609

Error Coefficients

Standard Error:	2570000
Relative Standard Error:	5.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.335916	10.0	1303181.0	1.679582	Y
2	IC 410-431955/14	0.5	0.798846	10.0	1303431.0	1.597691	Y
3	IC 410-431955/15	1.0	1.475383	10.0	1309701.0	1.475383	Y
4	IC 410-431955/16	2.0	3.06303	10.0	1328211.0	1.531515	Y
5	IC 410-431955/17	5.0	8.574501	10.0	1333491.0	1.7149	Y
6	ICIS 410-431955/18	10.0	16.503598	10.0	1358954.0	1.65036	Y
7	IC 410-431955/19	25.0	40.263113	10.0	1426382.0	1.610525	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

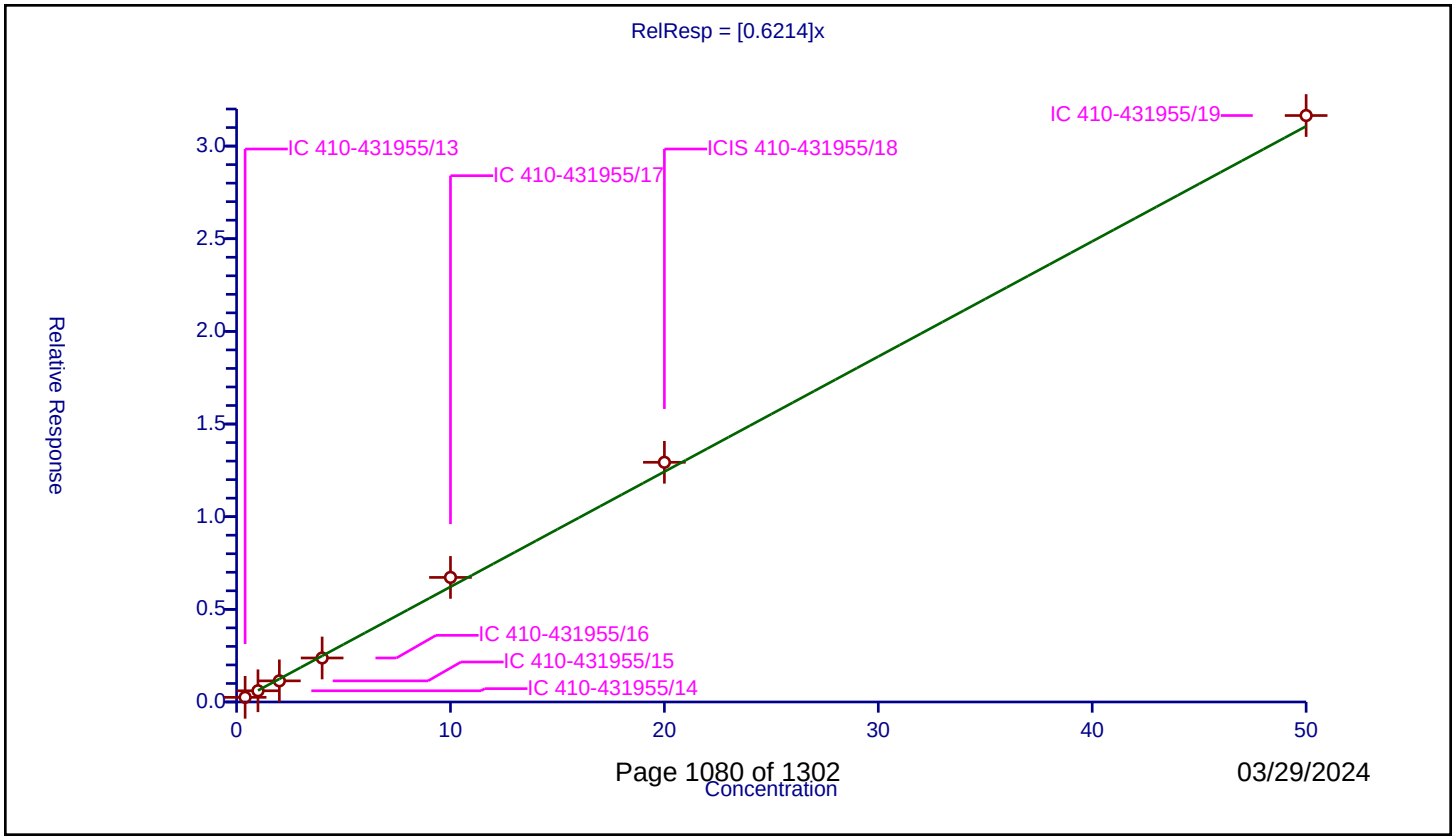
Curve Coefficients

Intercept:	0
Slope:	0.6214

Error Coefficients

Standard Error:	2020000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.4	0.25163	10.0	1303181.0	0.629076	Y
2	IC 410-431955/14	1.0	0.604758	10.0	1303431.0	0.604758	Y
3	IC 410-431955/15	2.0	1.14039	10.0	1309701.0	0.570195	Y
4	IC 410-431955/16	4.0	2.374931	10.0	1328211.0	0.593733	Y
5	IC 410-431955/17	10.0	6.722918	10.0	1333491.0	0.672292	Y
6	ICIS 410-431955/18	20.0	12.93564	10.0	1358954.0	0.646782	Y
7	IC 410-431955/19	50.0	31.648184	10.0	1426382.0	0.632964	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

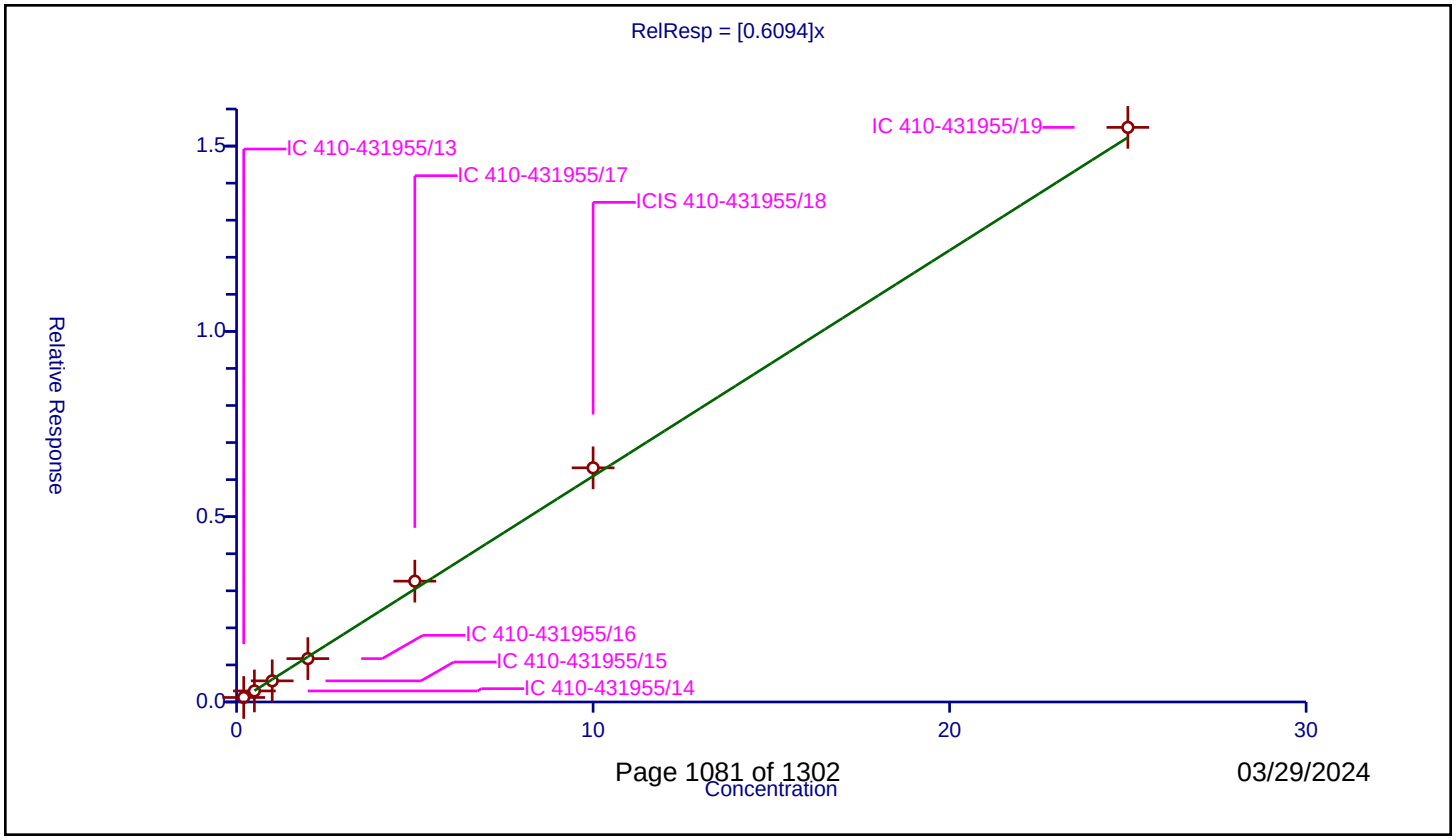
Curve Coefficients

Intercept:	0
Slope:	0.6094

Error Coefficients

Standard Error:	987000
Relative Standard Error:	4.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.121909	10.0	1303181.0	0.609547	Y
2	IC 410-431955/14	0.5	0.298267	10.0	1303431.0	0.596533	Y
3	IC 410-431955/15	1.0	0.570122	10.0	1309701.0	0.570122	Y
4	IC 410-431955/16	2.0	1.170492	10.0	1328211.0	0.585246	Y
5	IC 410-431955/17	5.0	3.260224	10.0	1333491.0	0.652045	Y
6	ICIS 410-431955/18	10.0	6.318426	10.0	1358954.0	0.631843	Y
7	IC 410-431955/19	25.0	15.504486	10.0	1426382.0	0.620179	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

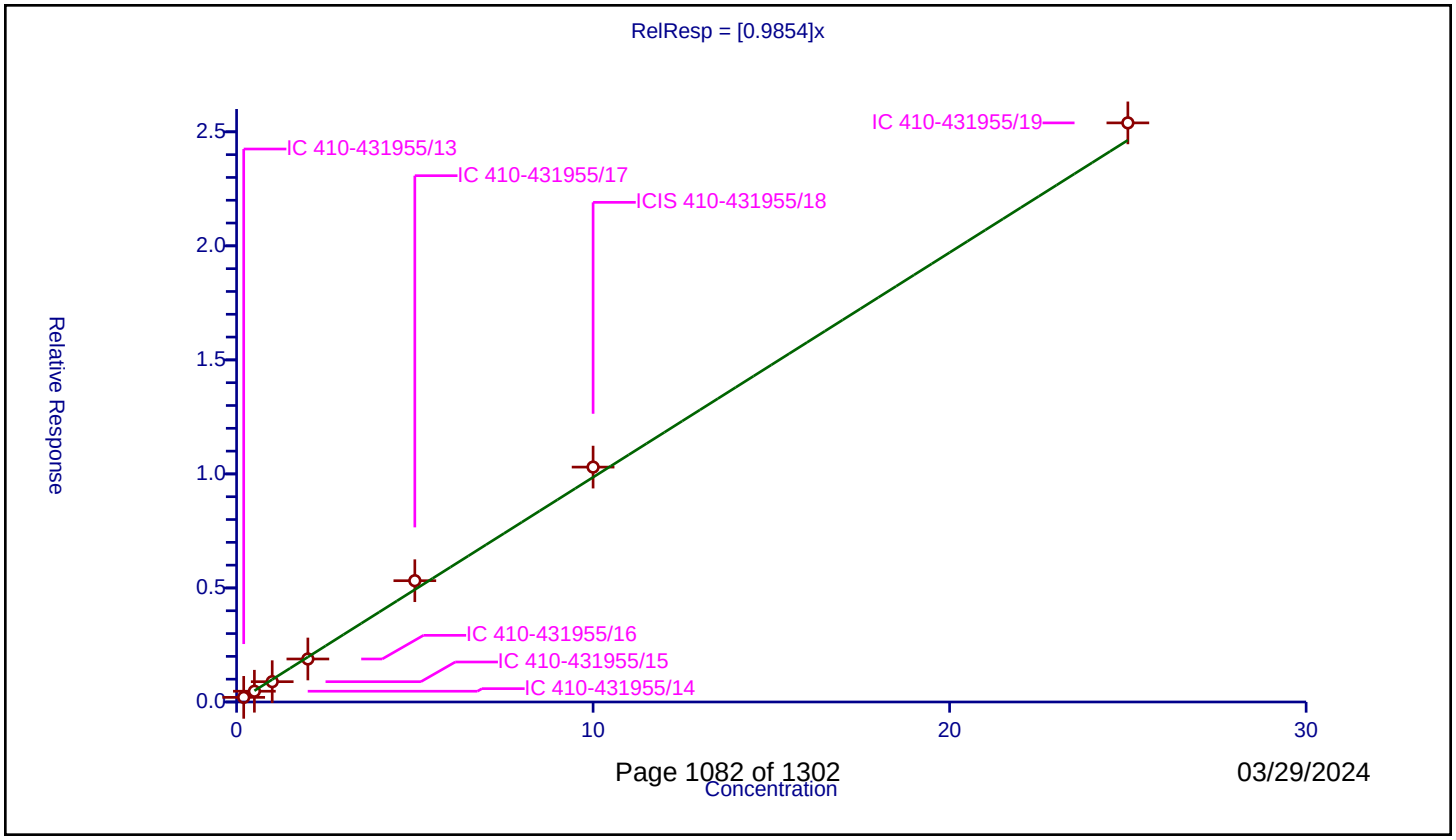
Curve Coefficients

Intercept:	0
Slope:	0.9854

Error Coefficients

Standard Error:	1620000
Relative Standard Error:	6.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.202451	10.0	1303181.0	1.012254	Y
2	IC 410-431955/14	0.5	0.471272	10.0	1303431.0	0.942543	Y
3	IC 410-431955/15	1.0	0.890761	10.0	1309701.0	0.890761	Y
4	IC 410-431955/16	2.0	1.885747	10.0	1328211.0	0.942874	Y
5	IC 410-431955/17	5.0	5.317749	10.0	1333491.0	1.06355	Y
6	ICIS 410-431955/18	10.0	10.299157	10.0	1358954.0	1.029916	Y
7	IC 410-431955/19	25.0	25.39237	10.0	1426382.0	1.015695	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

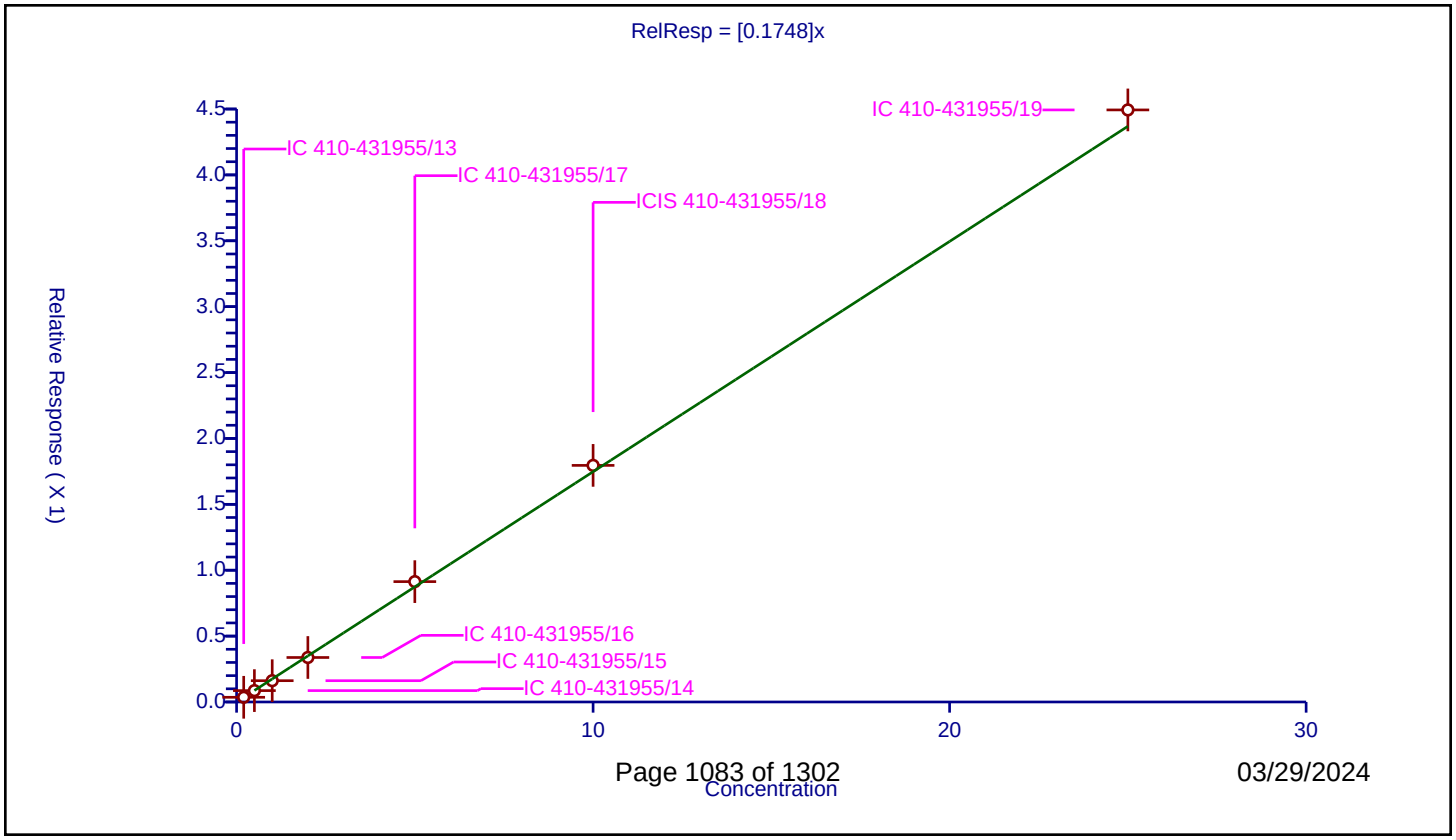
Curve Coefficients

Intercept:	0
Slope:	0.1748

Error Coefficients

Standard Error:	285000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.035705	10.0	1303181.0	0.178525	Y
2	IC 410-431955/14	0.5	0.086219	10.0	1303431.0	0.172437	Y
3	IC 410-431955/15	1.0	0.16151	10.0	1309701.0	0.16151	Y
4	IC 410-431955/16	2.0	0.337665	10.0	1328211.0	0.168832	Y
5	IC 410-431955/17	5.0	0.913452	10.0	1333491.0	0.18269	Y
6	ICIS 410-431955/18	10.0	1.795462	10.0	1358954.0	0.179546	Y
7	IC 410-431955/19	25.0	4.493081	10.0	1426382.0	0.179723	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

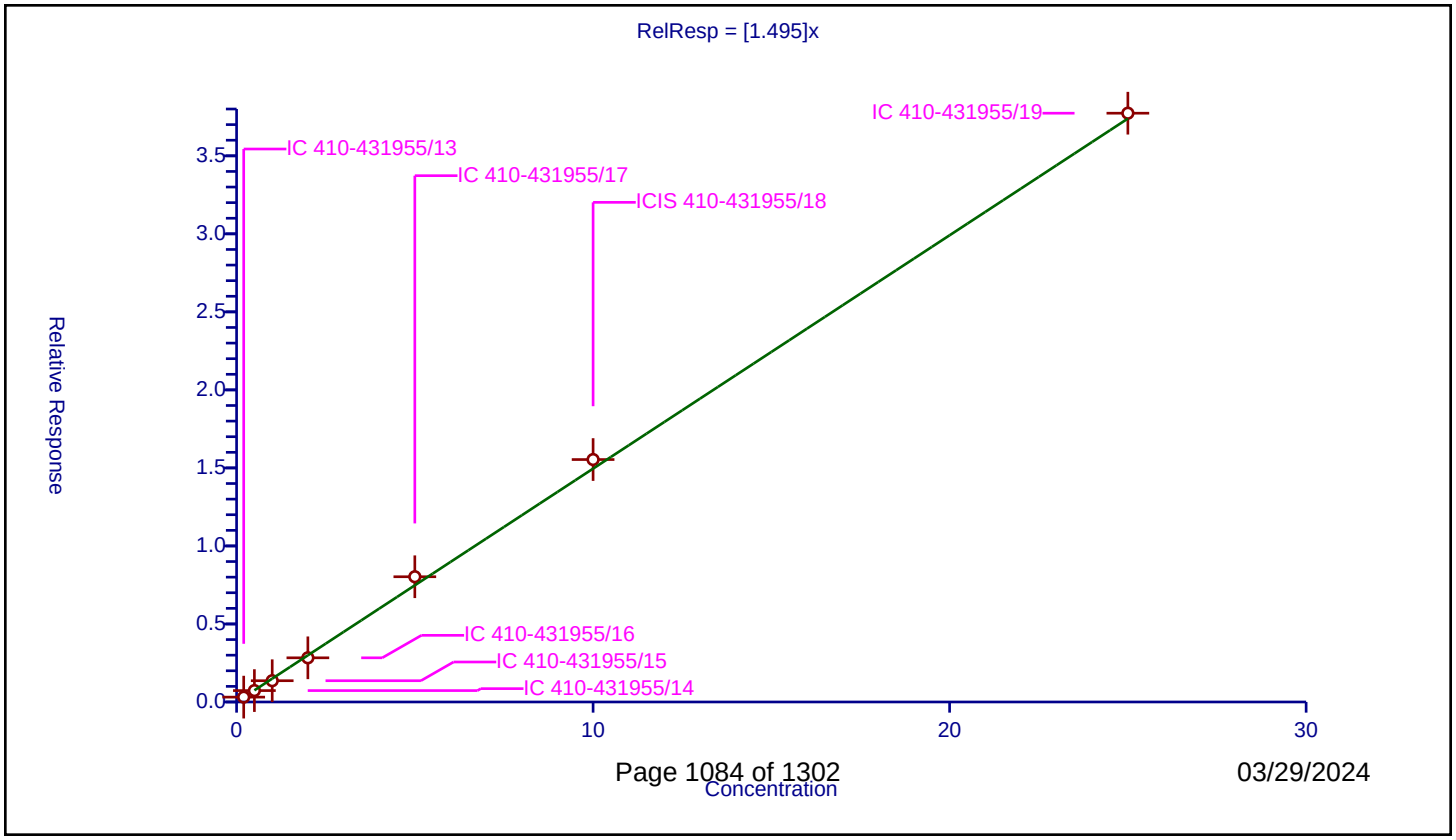
Curve Coefficients

Intercept:	0
Slope:	1.495

Error Coefficients

Standard Error:	2410000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.311722	10.0	1303181.0	1.558609	Y
2	IC 410-431955/14	0.5	0.731255	10.0	1303431.0	1.462509	Y
3	IC 410-431955/15	1.0	1.363647	10.0	1309701.0	1.363647	Y
4	IC 410-431955/16	2.0	2.830537	10.0	1328211.0	1.415268	Y
5	IC 410-431955/17	5.0	8.025851	10.0	1333491.0	1.60517	Y
6	ICIS 410-431955/18	10.0	15.53592	10.0	1358954.0	1.553592	Y
7	IC 410-431955/19	25.0	37.732515	10.0	1426382.0	1.509301	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

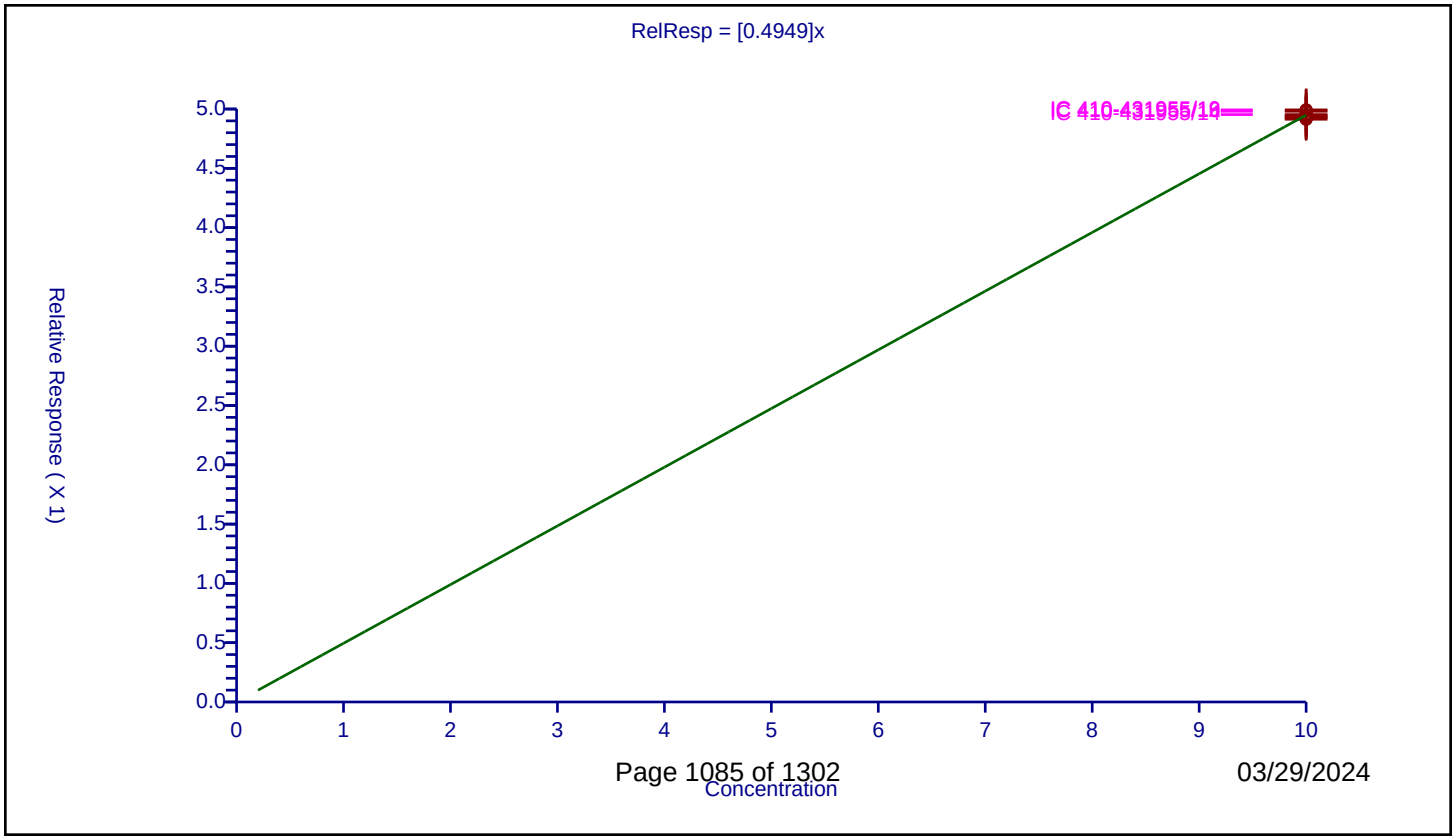
Curve Coefficients

Intercept:	0
Slope:	0.4949

Error Coefficients

Standard Error:	716000
Relative Standard Error:	0.6
Correlation Coefficient:	0.00000000000000000000
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	10.0	4.913615	10.0	1303181.0	0.491362	Y
2	IC 410-431955/14	10.0	4.953097	10.0	1303431.0	0.49531	Y
3	IC 410-431955/15	10.0	4.926491	10.0	1309701.0	0.492649	Y
4	IC 410-431955/16	10.0	4.980797	10.0	1328211.0	0.49808	Y
5	IC 410-431955/17	10.0	4.945725	10.0	1333491.0	0.494573	Y
6	ICIS 410-431955/18	10.0	4.930807	10.0	1358954.0	0.493081	Y
7	IC 410-431955/19	10.0	4.9928	10.0	1426382.0	0.49928	Y



Calibration / 1,1,2,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

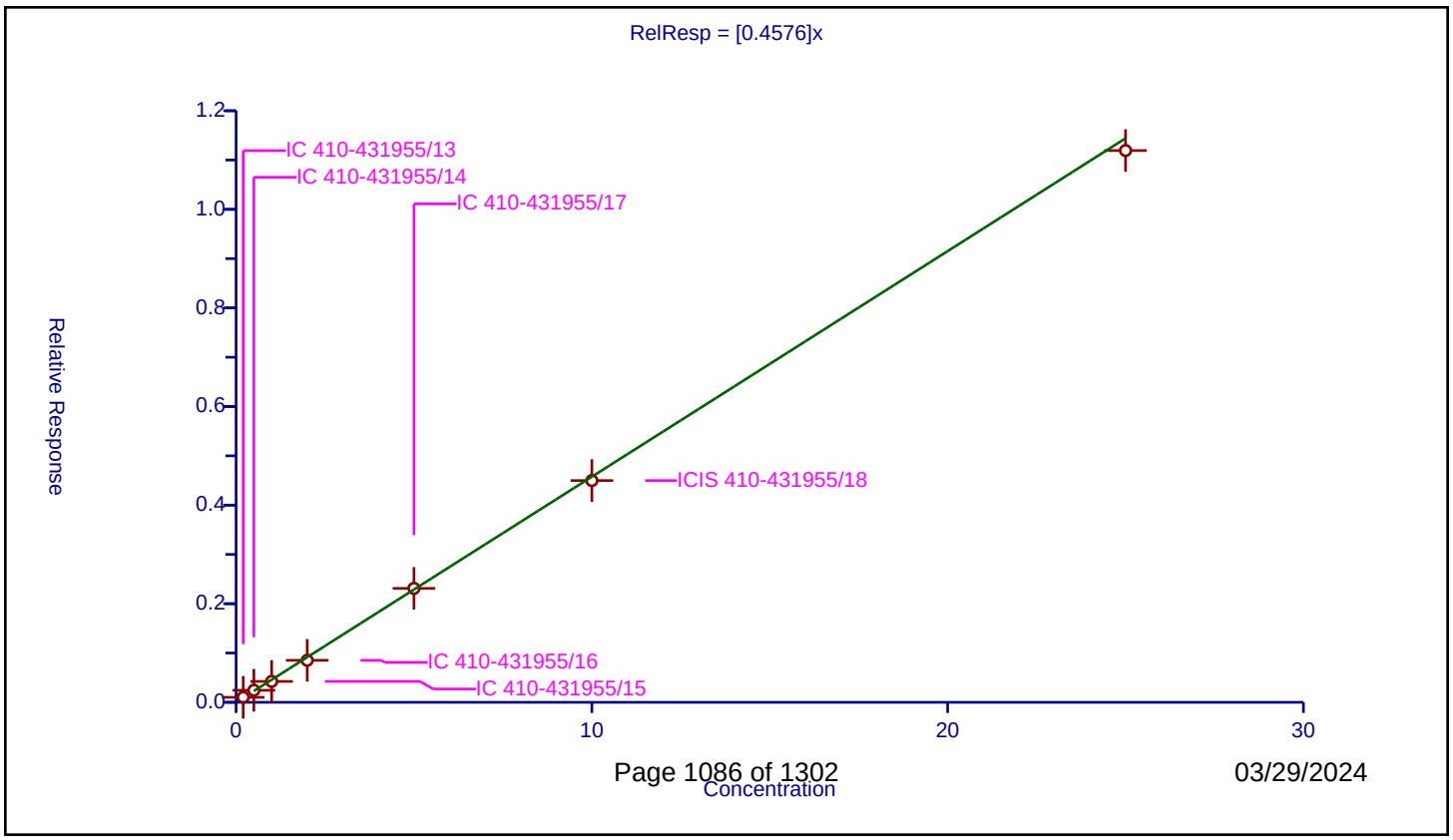
Curve Coefficients

Intercept:	0
Slope:	0.4576

Error Coefficients

Standard Error:	405000
Relative Standard Error:	6.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.101139	10.0	720593.0	0.505695	Y
2	IC 410-431955/14	0.5	0.244084	10.0	730485.0	0.488169	Y
3	IC 410-431955/15	1.0	0.423796	10.0	728345.0	0.423796	Y
4	IC 410-431955/16	2.0	0.851643	10.0	755516.0	0.425822	Y
5	IC 410-431955/17	5.0	2.31118	10.0	753615.0	0.462236	Y
6	ICIS 410-431955/18	10.0	4.498213	10.0	773685.0	0.449821	Y
7	IC 410-431955/19	25.0	11.192712	10.0	812275.0	0.447708	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

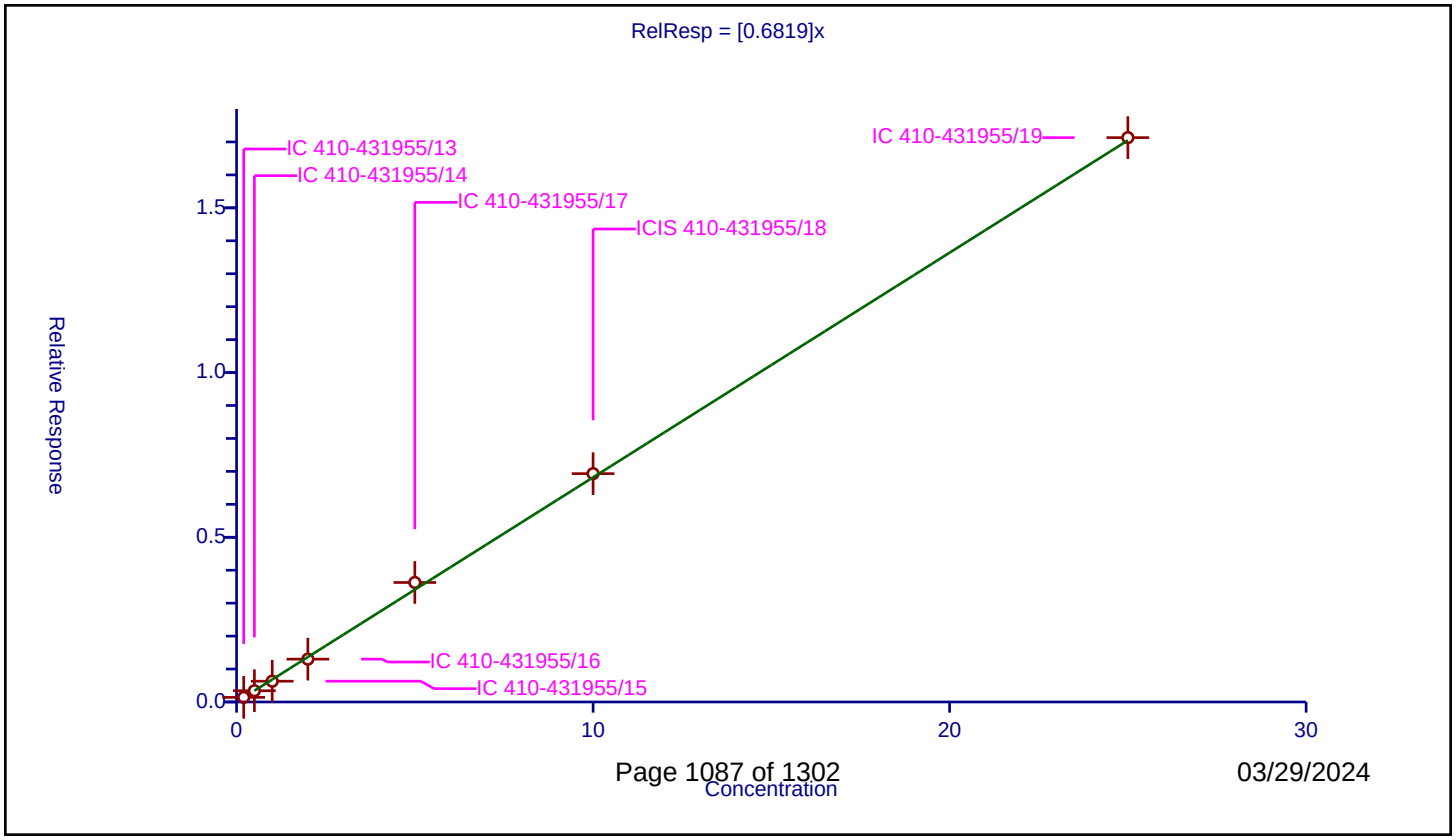
Curve Coefficients

Intercept:	0
Slope:	0.6819

Error Coefficients

Standard Error:	621000
Relative Standard Error:	4.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.140815	10.0	720593.0	0.704073	Y
2	IC 410-431955/14	0.5	0.341937	10.0	730485.0	0.683874	Y
3	IC 410-431955/15	1.0	0.631116	10.0	728345.0	0.631116	Y
4	IC 410-431955/16	2.0	1.300555	10.0	755516.0	0.650277	Y
5	IC 410-431955/17	5.0	3.628046	10.0	753615.0	0.725609	Y
6	ICIS 410-431955/18	10.0	6.932253	10.0	773685.0	0.693225	Y
7	IC 410-431955/19	25.0	17.13171	10.0	812275.0	0.685268	Y



Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

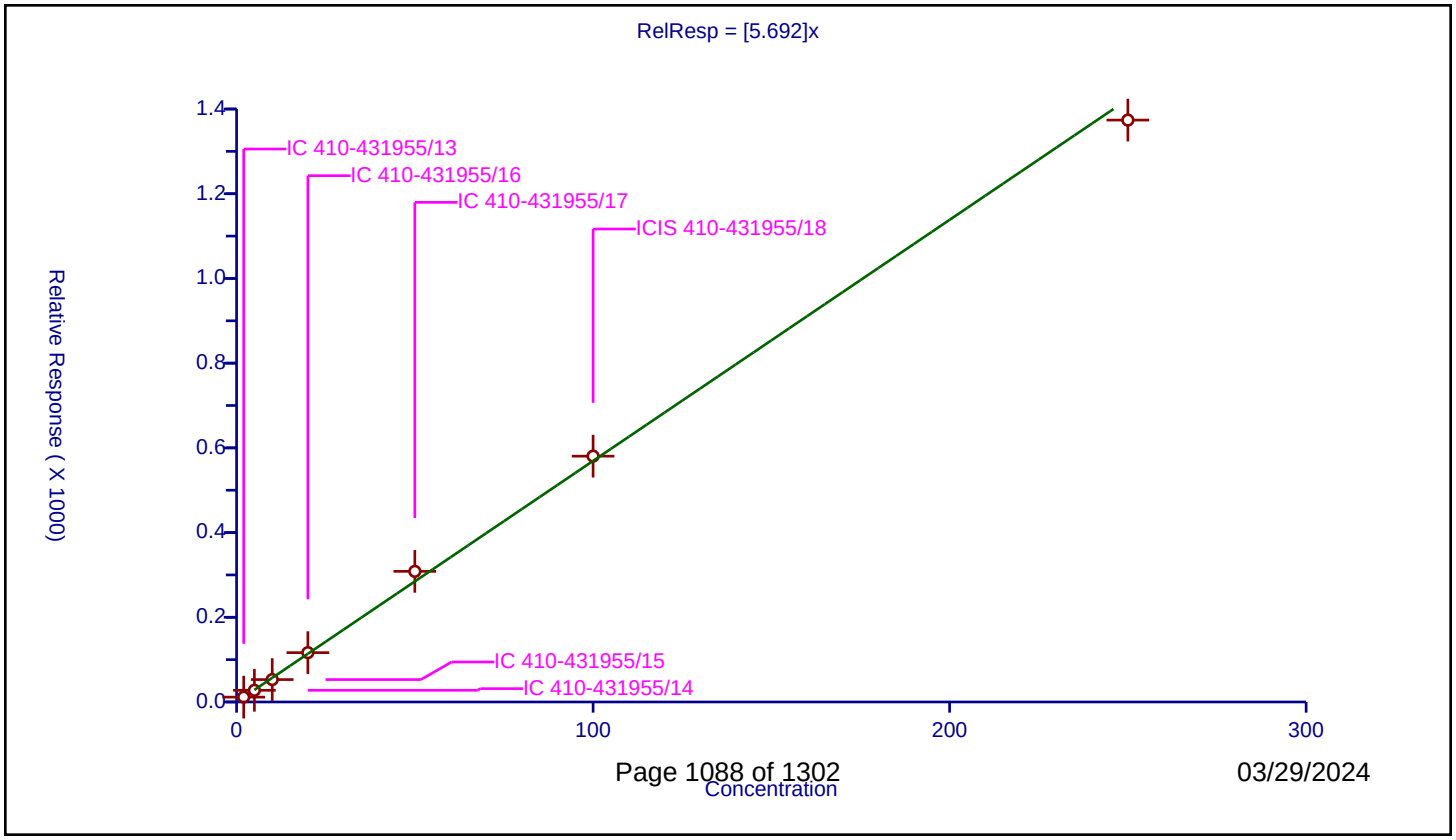
Curve Coefficients

Intercept:	0
Slope:	5.692

Error Coefficients

Standard Error:	1140000
Relative Standard Error:	5.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	2.0	11.47998	50.0	75501.0	5.73999	Y
2	IC 410-431955/14	5.0	27.585702	50.0	75057.0	5.51714	Y
3	IC 410-431955/15	10.0	52.914945	50.0	79384.0	5.291495	Y
4	IC 410-431955/16	20.0	116.53357	50.0	77137.0	5.826679	Y
5	IC 410-431955/17	50.0	308.404011	50.0	78879.0	6.16808	Y
6	ICIS 410-431955/18	100.0	580.41161	50.0	83963.0	5.804116	Y
7	IC 410-431955/19	250.0	1373.85675	50.0	93724.0	5.495427	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

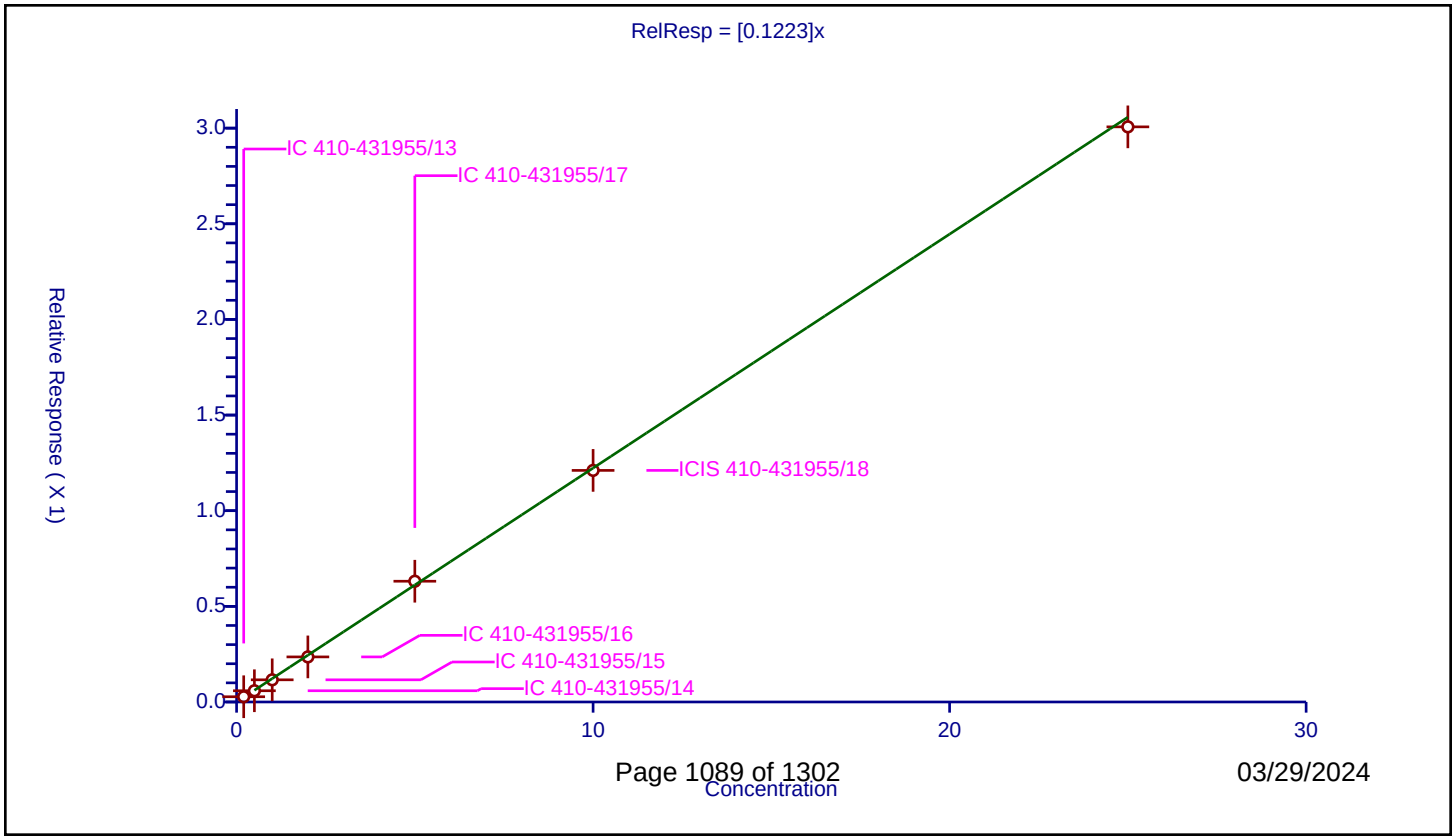
Curve Coefficients

Intercept:	0
Slope:	0.1223

Error Coefficients

Standard Error:	109000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.027422	10.0	720593.0	0.137109	Y
2	IC 410-431955/14	0.5	0.058797	10.0	730485.0	0.117593	Y
3	IC 410-431955/15	1.0	0.115934	10.0	728345.0	0.115934	Y
4	IC 410-431955/16	2.0	0.23568	10.0	755516.0	0.11784	Y
5	IC 410-431955/17	5.0	0.631251	10.0	753615.0	0.12625	Y
6	ICIS 410-431955/18	10.0	1.210751	10.0	773685.0	0.121075	Y
7	IC 410-431955/19	25.0	3.006691	10.0	812275.0	0.120268	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

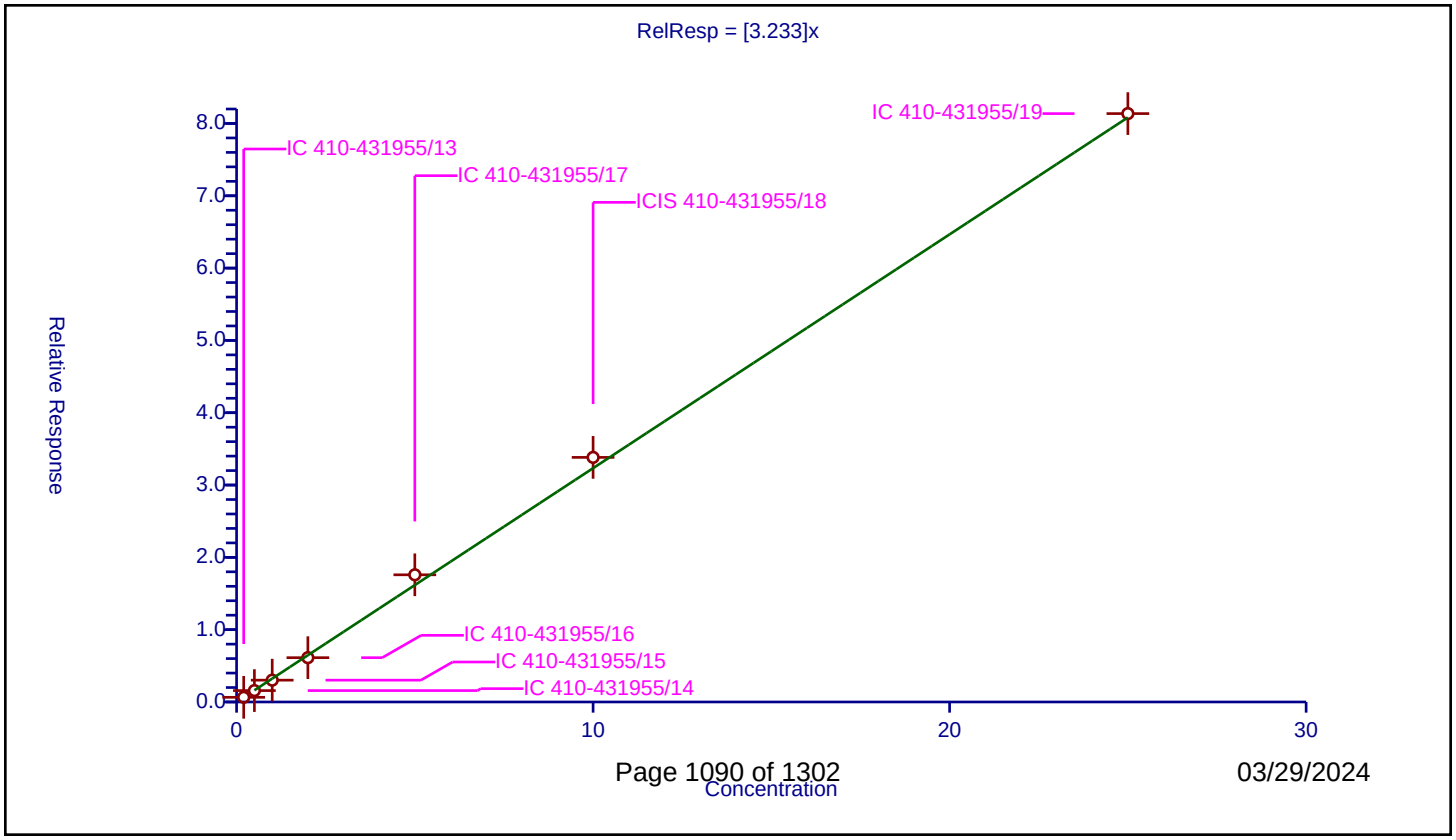
Curve Coefficients

Intercept:	0
Slope:	3.233

Error Coefficients

Standard Error:	2960000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.648063	10.0	720593.0	3.240317	Y
2	IC 410-431955/14	0.5	1.577363	10.0	730485.0	3.154726	Y
3	IC 410-431955/15	1.0	3.018583	10.0	728345.0	3.018583	Y
4	IC 410-431955/16	2.0	6.128553	10.0	755516.0	3.064277	Y
5	IC 410-431955/17	5.0	17.589167	10.0	753615.0	3.517833	Y
6	ICIS 410-431955/18	10.0	33.825446	10.0	773685.0	3.382545	Y
7	IC 410-431955/19	25.0	81.367456	10.0	812275.0	3.254698	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

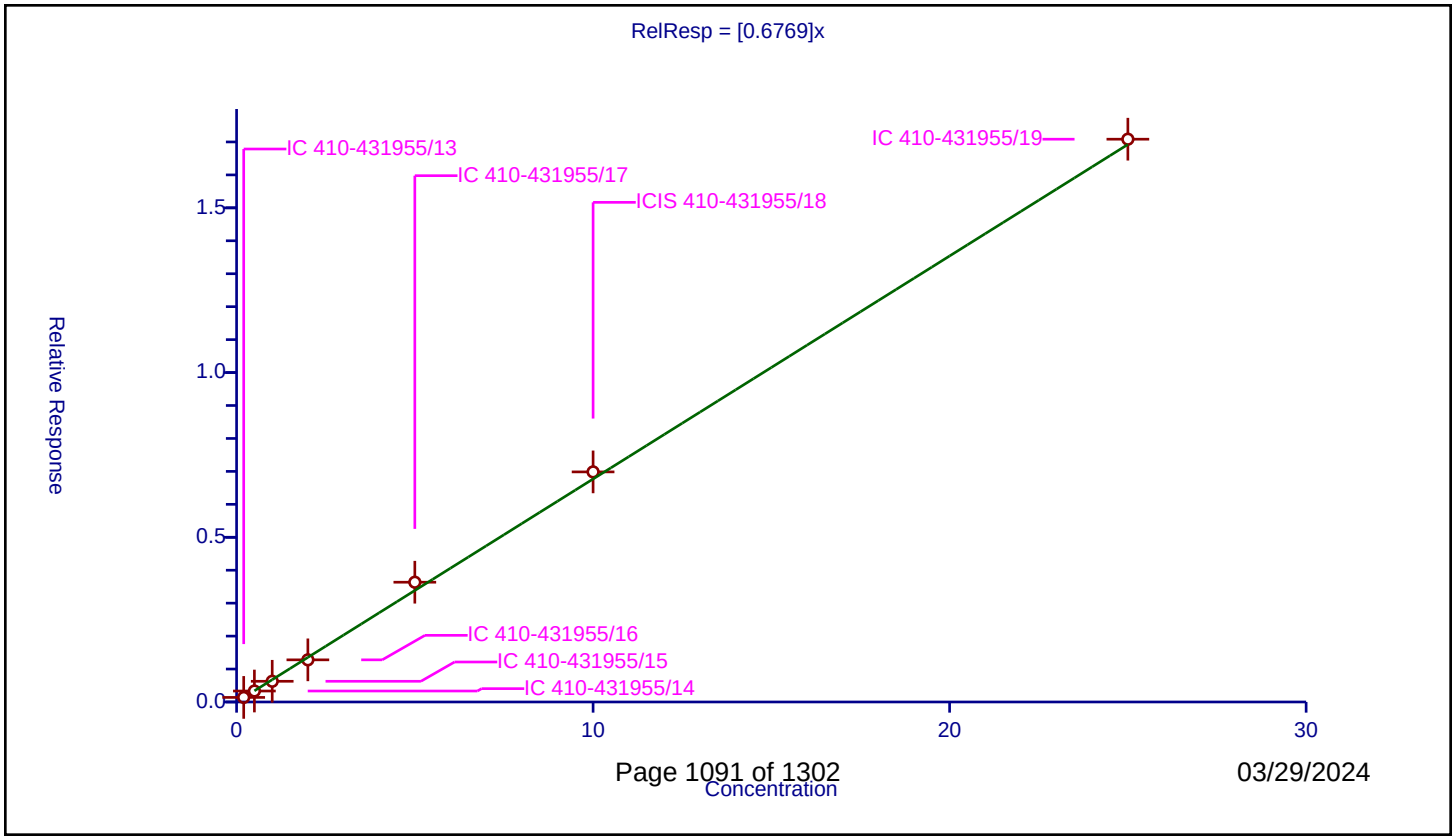
Curve Coefficients

Intercept:	0
Slope:	0.6769

Error Coefficients

Standard Error:	620000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.138983	10.0	720593.0	0.694914	Y
2	IC 410-431955/14	0.5	0.333285	10.0	730485.0	0.666571	Y
3	IC 410-431955/15	1.0	0.628507	10.0	728345.0	0.628507	Y
4	IC 410-431955/16	2.0	1.279258	10.0	755516.0	0.639629	Y
5	IC 410-431955/17	5.0	3.635397	10.0	753615.0	0.727079	Y
6	ICIS 410-431955/18	10.0	6.984626	10.0	773685.0	0.698463	Y
7	IC 410-431955/19	25.0	17.083943	10.0	812275.0	0.683358	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

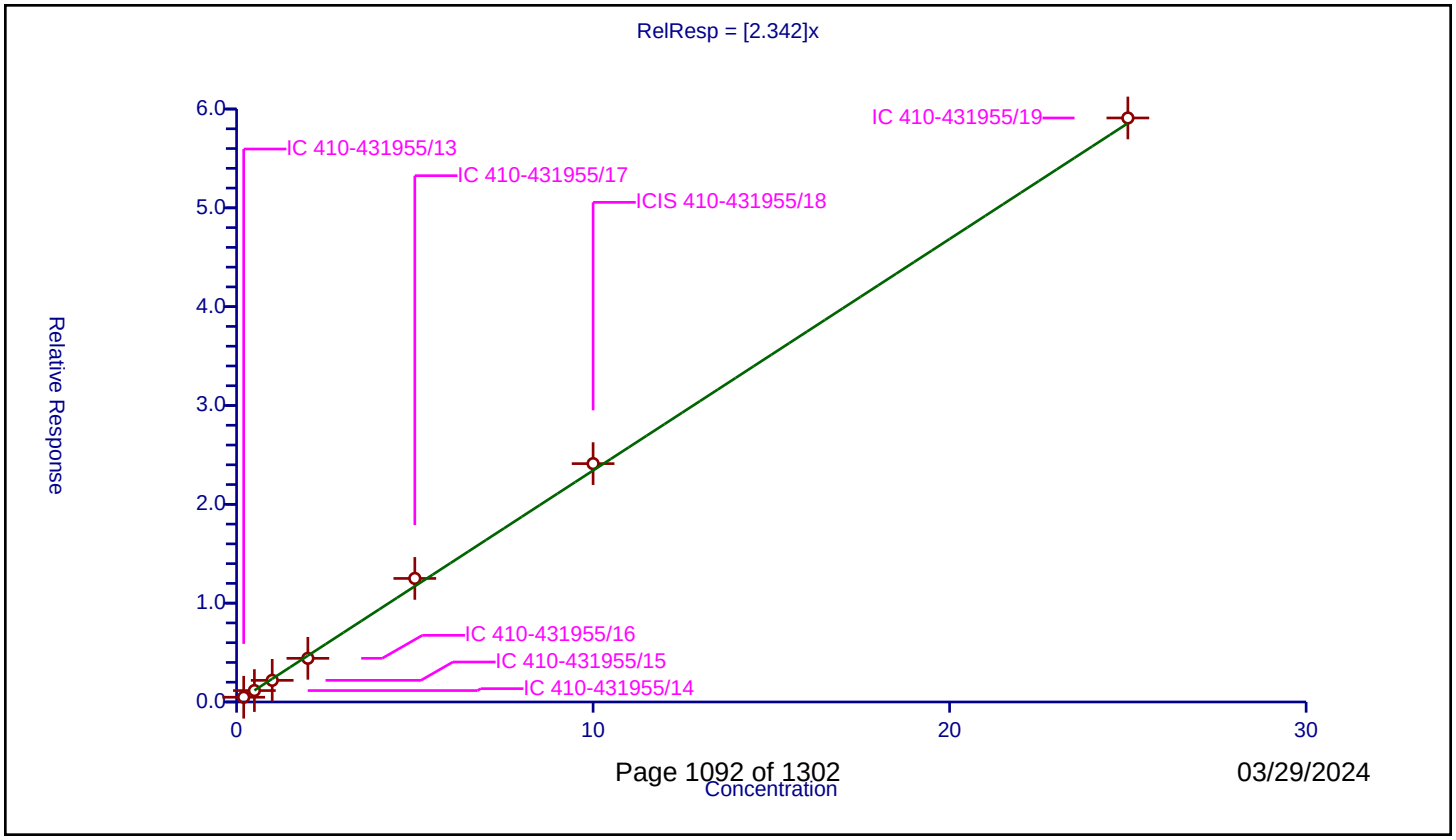
Curve Coefficients

Intercept:	0
Slope:	2.342

Error Coefficients

Standard Error:	2140000
Relative Standard Error:	4.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.482422	10.0	720593.0	2.412111	Y
2	IC 410-431955/14	0.5	1.154877	10.0	730485.0	2.309753	Y
3	IC 410-431955/15	1.0	2.189883	10.0	728345.0	2.189883	Y
4	IC 410-431955/16	2.0	4.419602	10.0	755516.0	2.209801	Y
5	IC 410-431955/17	5.0	12.501065	10.0	753615.0	2.500213	Y
6	ICIS 410-431955/18	10.0	24.118924	10.0	773685.0	2.411892	Y
7	IC 410-431955/19	25.0	59.092315	10.0	812275.0	2.363693	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

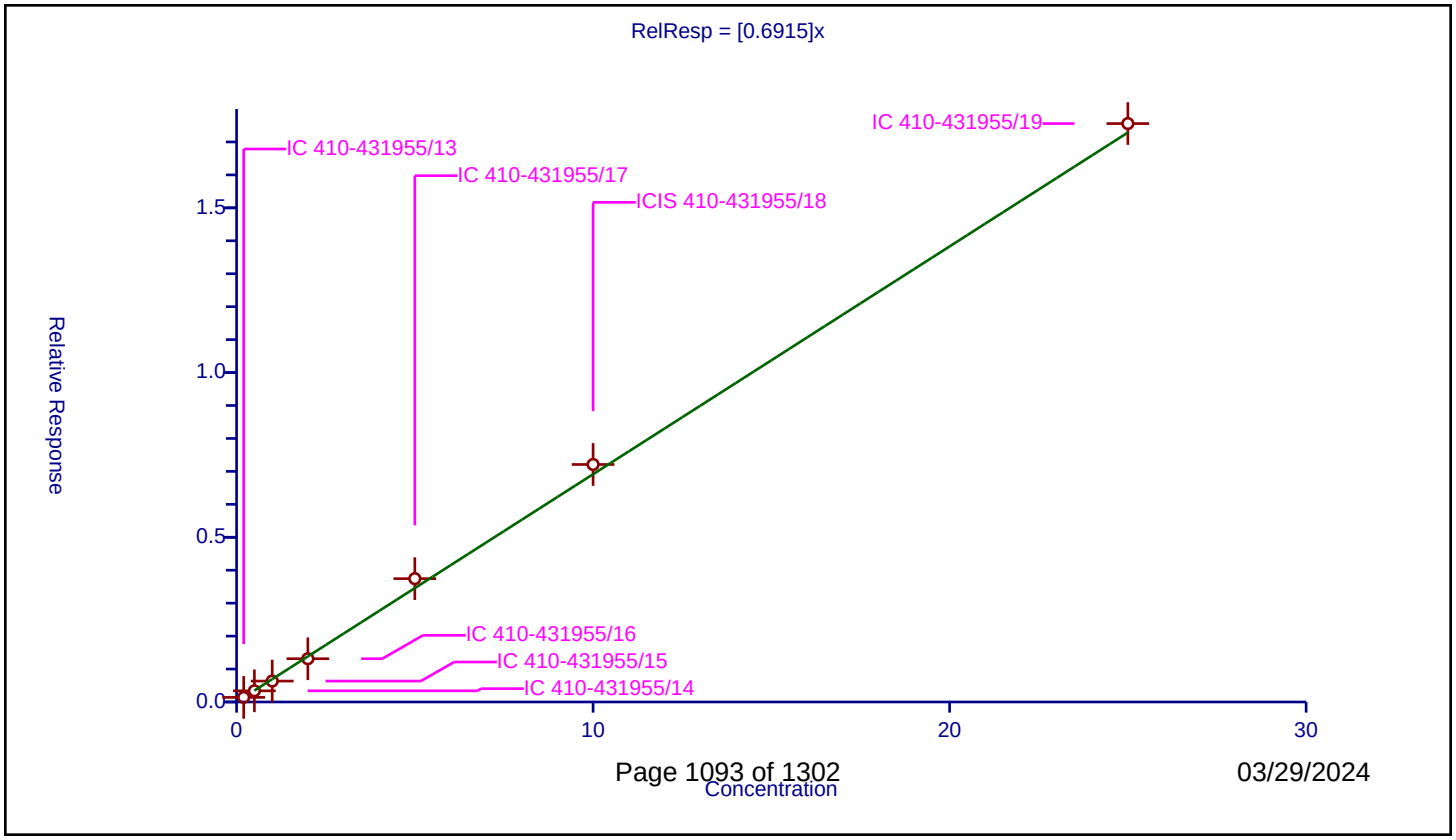
Curve Coefficients

Intercept:	0
Slope:	0.6915

Error Coefficients

Standard Error:	637000
Relative Standard Error:	5.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.139677	10.0	720593.0	0.698383	Y
2	IC 410-431955/14	0.5	0.339158	10.0	730485.0	0.678316	Y
3	IC 410-431955/15	1.0	0.634713	10.0	728345.0	0.634713	Y
4	IC 410-431955/16	2.0	1.313288	10.0	755516.0	0.656644	Y
5	IC 410-431955/17	5.0	3.744087	10.0	753615.0	0.748817	Y
6	ICIS 410-431955/18	10.0	7.209588	10.0	773685.0	0.720959	Y
7	IC 410-431955/19	25.0	17.558265	10.0	812275.0	0.702331	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

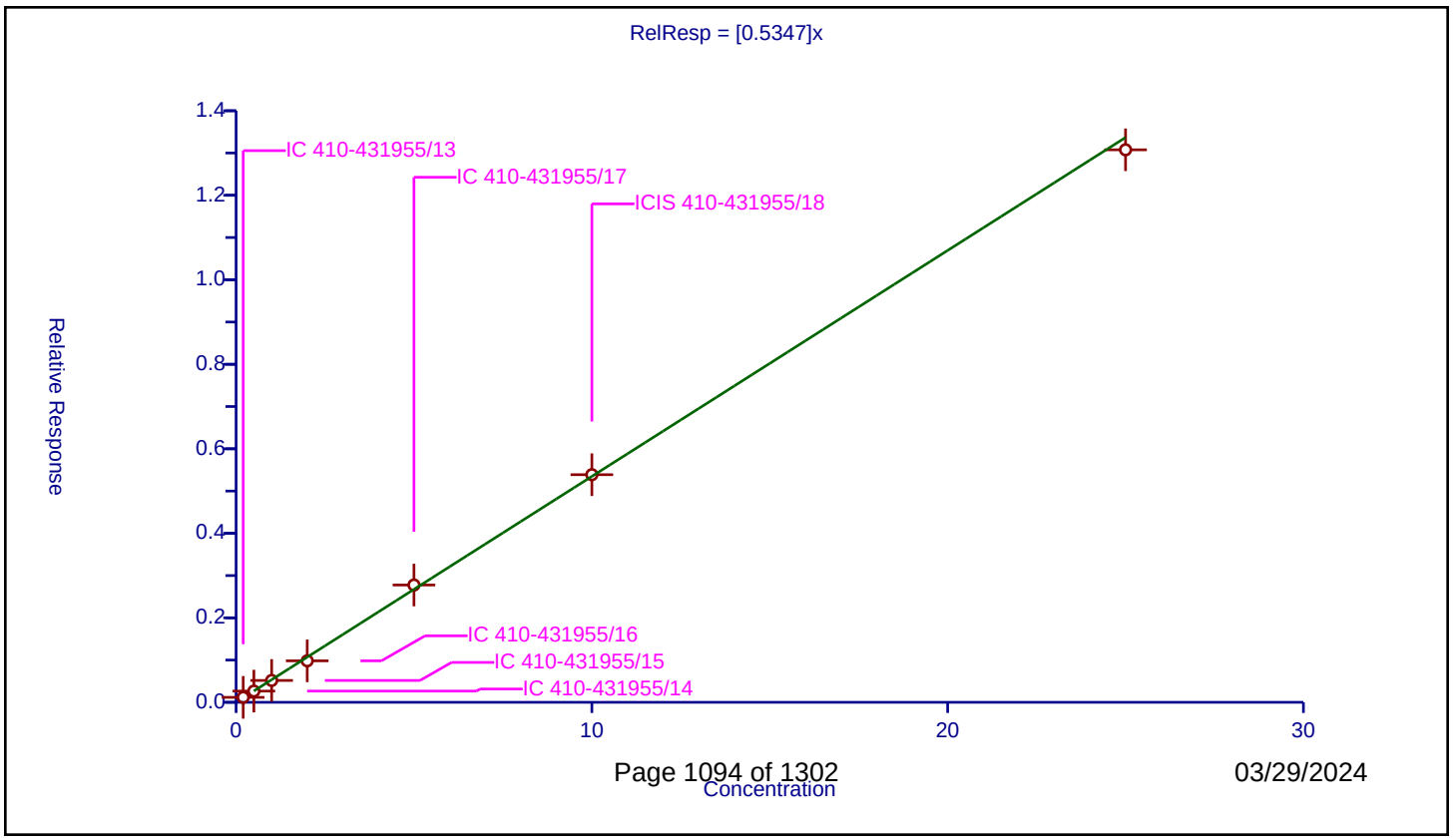
Curve Coefficients

Intercept:	0
Slope:	0.5347

Error Coefficients

Standard Error:	475000
Relative Standard Error:	5.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.117417	10.0	720593.0	0.587086	Y
2	IC 410-431955/14	0.5	0.265235	10.0	730485.0	0.530469	Y
3	IC 410-431955/15	1.0	0.5172	10.0	728345.0	0.5172	Y
4	IC 410-431955/16	2.0	0.982004	10.0	755516.0	0.491002	Y
5	IC 410-431955/17	5.0	2.776404	10.0	753615.0	0.555281	Y
6	ICIS 410-431955/18	10.0	5.387231	10.0	773685.0	0.538723	Y
7	IC 410-431955/19	25.0	13.075744	10.0	812275.0	0.52303	Y



Calibration / Pentachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

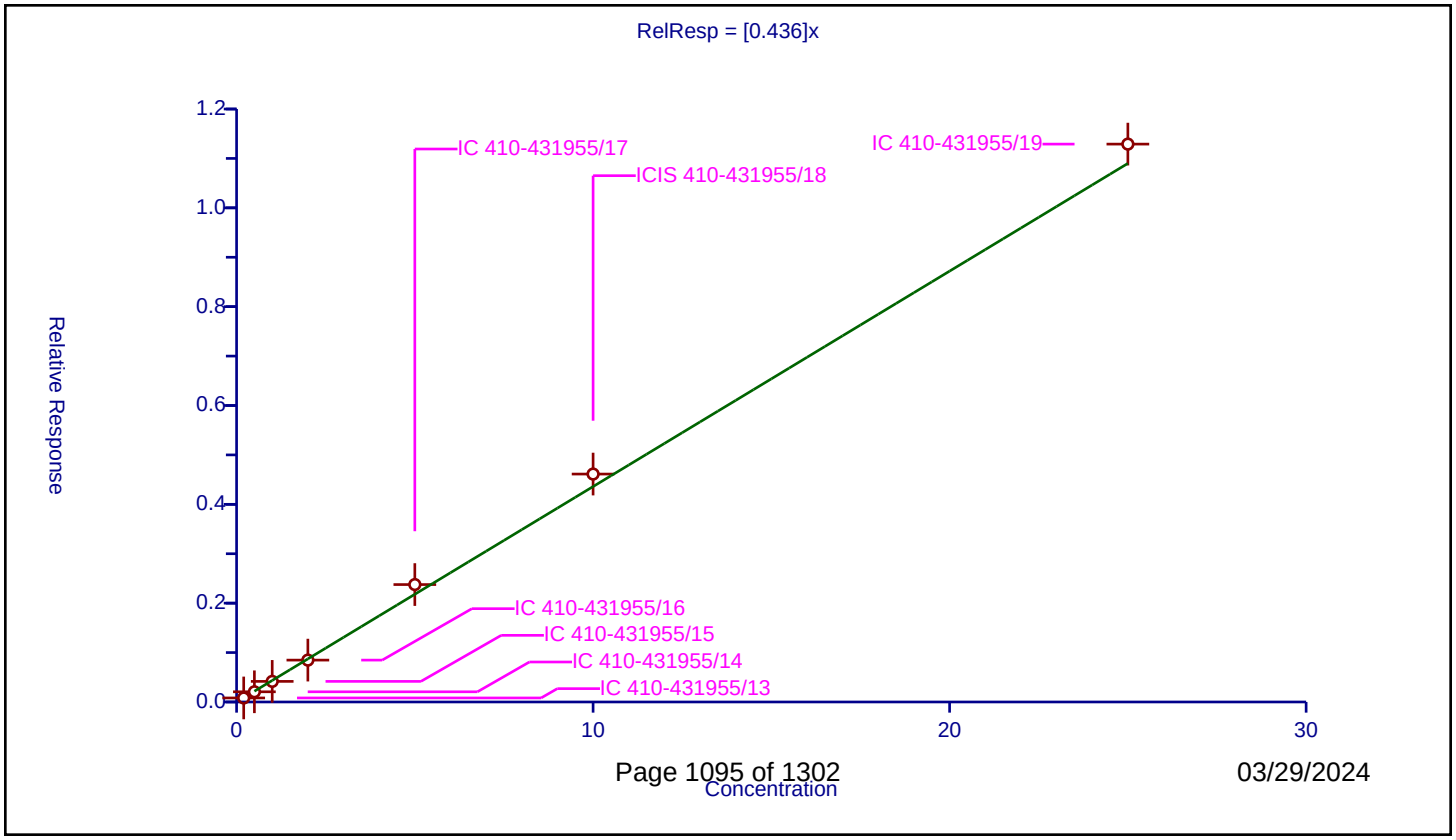
Curve Coefficients

Intercept:	0
Slope:	0.436

Error Coefficients

Standard Error:	409000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.081946	10.0	720593.0	0.409732	Y
2	IC 410-431955/14	0.5	0.20663	10.0	730485.0	0.41326	Y
3	IC 410-431955/15	1.0	0.416904	10.0	728345.0	0.416904	Y
4	IC 410-431955/16	2.0	0.847461	10.0	755516.0	0.42373	Y
5	IC 410-431955/17	5.0	2.376134	10.0	753615.0	0.475227	Y
6	ICIS 410-431955/18	10.0	4.612859	10.0	773685.0	0.461286	Y
7	IC 410-431955/19	25.0	11.289896	10.0	812275.0	0.451596	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

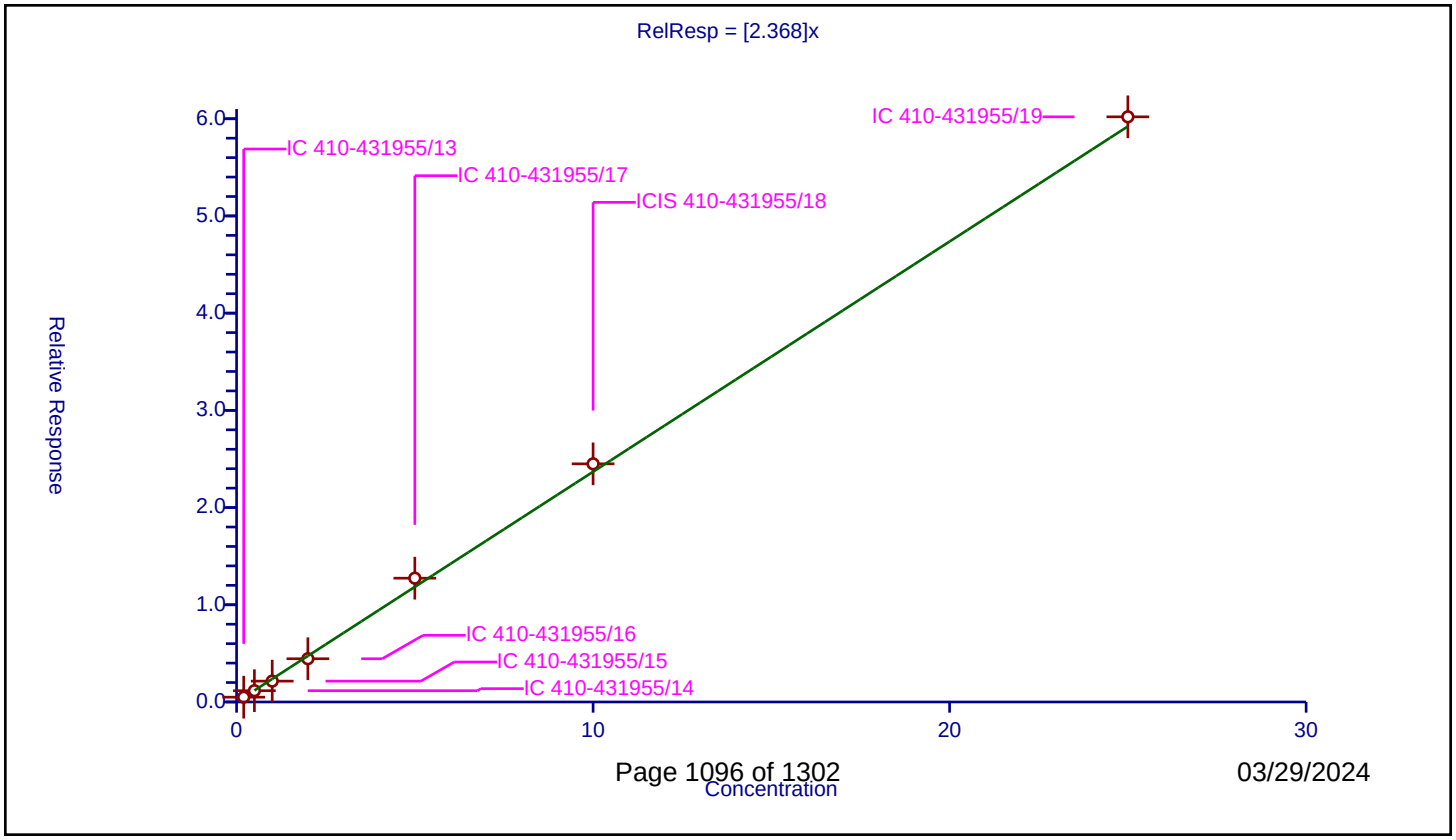
Curve Coefficients

Intercept:	0
Slope:	2.368

Error Coefficients

Standard Error:	2180000
Relative Standard Error:	6.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.495592	10.0	720593.0	2.477959	Y
2	IC 410-431955/14	0.5	1.162022	10.0	730485.0	2.324045	Y
3	IC 410-431955/15	1.0	2.147746	10.0	728345.0	2.147746	Y
4	IC 410-431955/16	2.0	4.44937	10.0	755516.0	2.224685	Y
5	IC 410-431955/17	5.0	12.736822	10.0	753615.0	2.547364	Y
6	ICIS 410-431955/18	10.0	24.497851	10.0	773685.0	2.449785	Y
7	IC 410-431955/19	25.0	60.196091	10.0	812275.0	2.407844	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

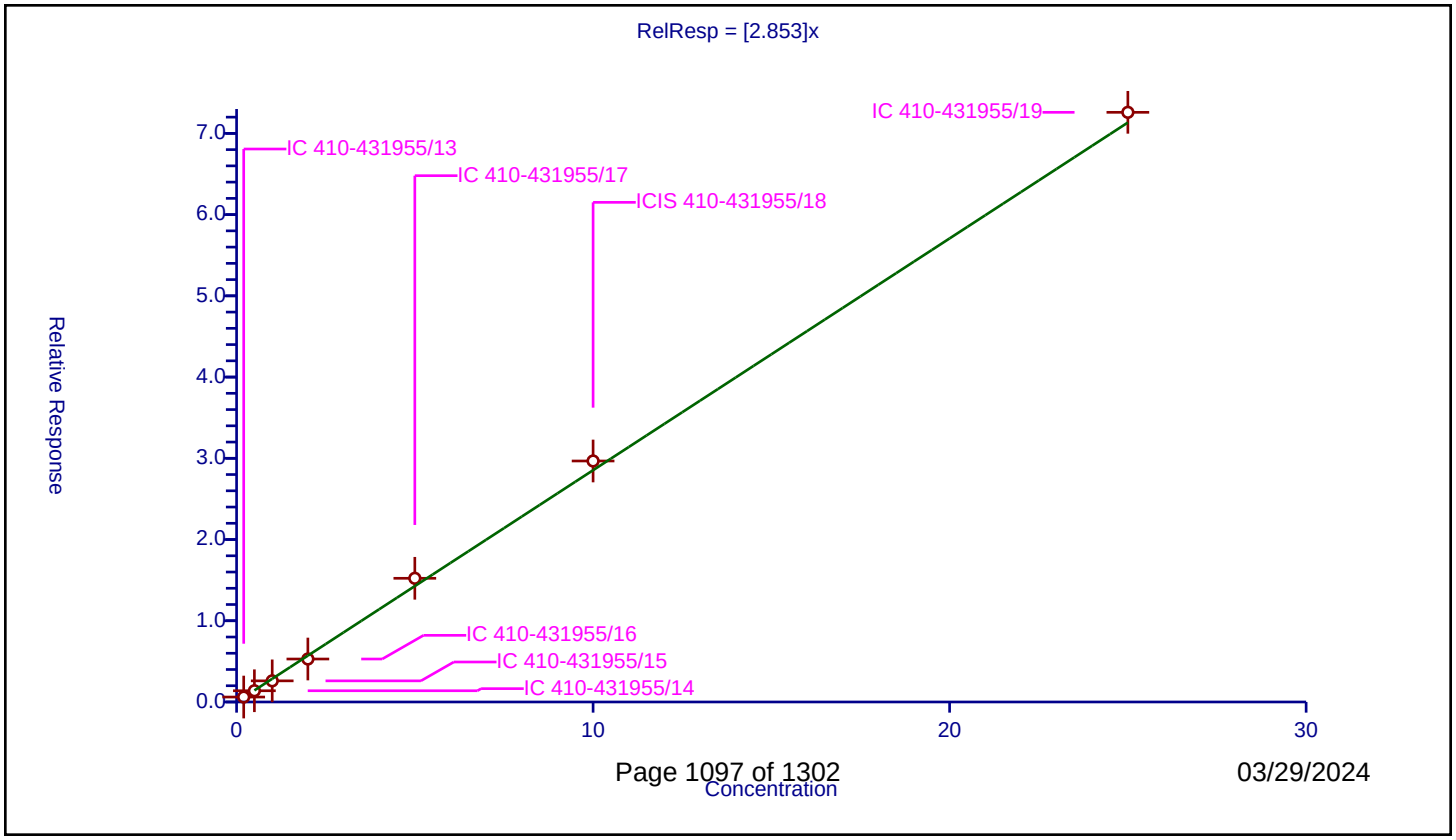
Curve Coefficients

Intercept:	0
Slope:	2.853

Error Coefficients

Standard Error:	2630000
Relative Standard Error:	6.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.608291	10.0	720593.0	3.041453	Y
2	IC 410-431955/14	0.5	1.384874	10.0	730485.0	2.769749	Y
3	IC 410-431955/15	1.0	2.600883	10.0	728345.0	2.600883	Y
4	IC 410-431955/16	2.0	5.291523	10.0	755516.0	2.645761	Y
5	IC 410-431955/17	5.0	15.226993	10.0	753615.0	3.045399	Y
6	ICIS 410-431955/18	10.0	29.668366	10.0	773685.0	2.966837	Y
7	IC 410-431955/19	25.0	72.593038	10.0	812275.0	2.903722	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

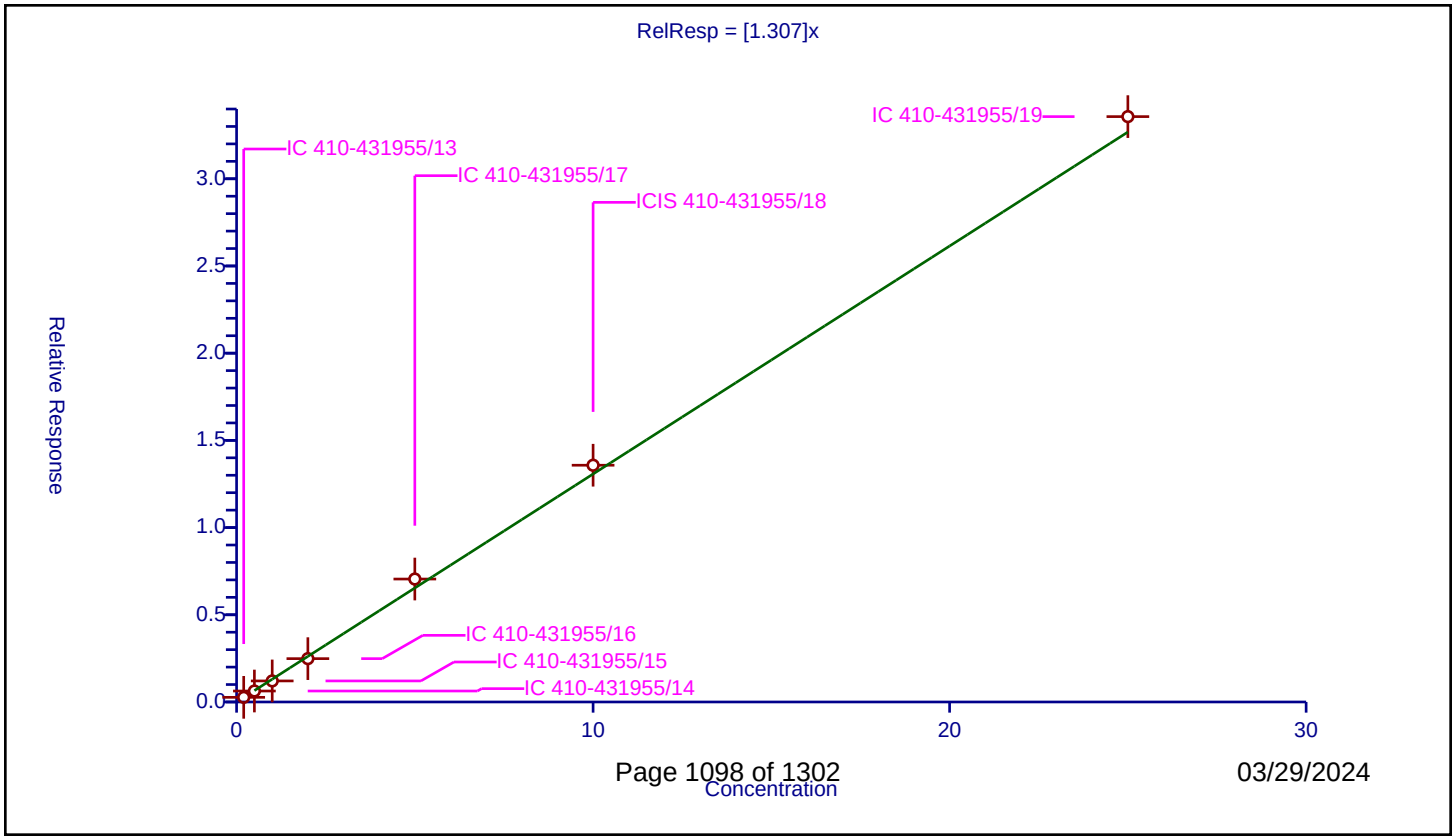
Curve Coefficients

Intercept:	0
Slope:	1.307

Error Coefficients

Standard Error:	1220000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.266142	10.0	720593.0	1.33071	Y
2	IC 410-431955/14	0.5	0.629719	10.0	730485.0	1.259437	Y
3	IC 410-431955/15	1.0	1.207093	10.0	728345.0	1.207093	Y
4	IC 410-431955/16	2.0	2.486063	10.0	755516.0	1.243031	Y
5	IC 410-431955/17	5.0	7.049621	10.0	753615.0	1.409924	Y
6	ICIS 410-431955/18	10.0	13.575292	10.0	773685.0	1.357529	Y
7	IC 410-431955/19	25.0	33.564396	10.0	812275.0	1.342576	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

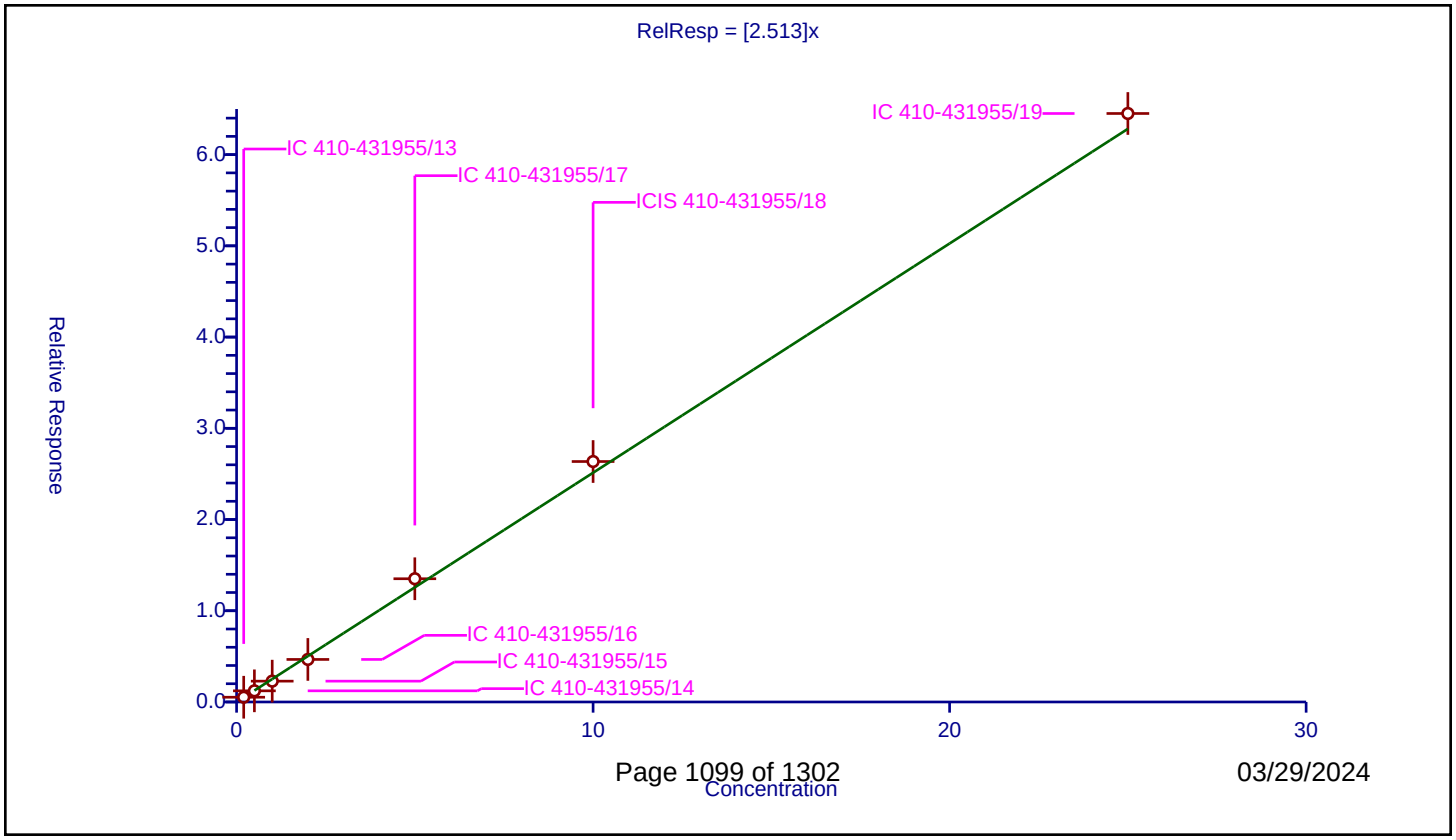
Curve Coefficients

Intercept:	0
Slope:	2.513

Error Coefficients

Standard Error:	2340000
Relative Standard Error:	6.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.522223	10.0	720593.0	2.611113	Y
2	IC 410-431955/14	0.5	1.222092	10.0	730485.0	2.444184	Y
3	IC 410-431955/15	1.0	2.284879	10.0	728345.0	2.284879	Y
4	IC 410-431955/16	2.0	4.664878	10.0	755516.0	2.332439	Y
5	IC 410-431955/17	5.0	13.510387	10.0	753615.0	2.702077	Y
6	ICIS 410-431955/18	10.0	26.358596	10.0	773685.0	2.63586	Y
7	IC 410-431955/19	25.0	64.509569	10.0	812275.0	2.580383	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

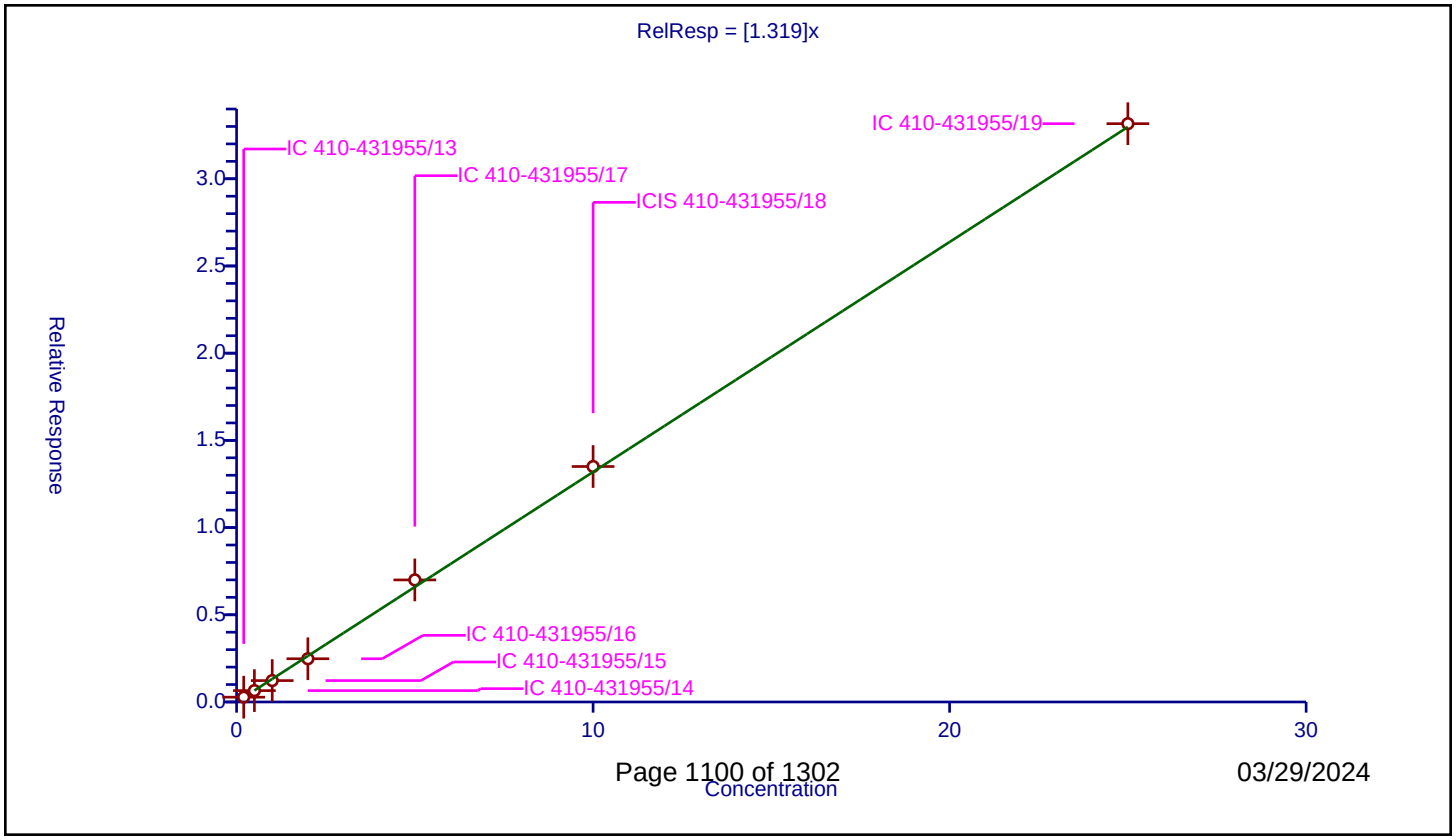
Curve Coefficients

Intercept:	0
Slope:	1.319

Error Coefficients

Standard Error:	1200000
Relative Standard Error:	5.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.276647	10.0	720593.0	1.383236	Y
2	IC 410-431955/14	0.5	0.652293	10.0	730485.0	1.304585	Y
3	IC 410-431955/15	1.0	1.227564	10.0	728345.0	1.227564	Y
4	IC 410-431955/16	2.0	2.479617	10.0	755516.0	1.239808	Y
5	IC 410-431955/17	5.0	6.998454	10.0	753615.0	1.399691	Y
6	ICIS 410-431955/18	10.0	13.502136	10.0	773685.0	1.350214	Y
7	IC 410-431955/19	25.0	33.158462	10.0	812275.0	1.326338	Y



Calibration / 1,2,3-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

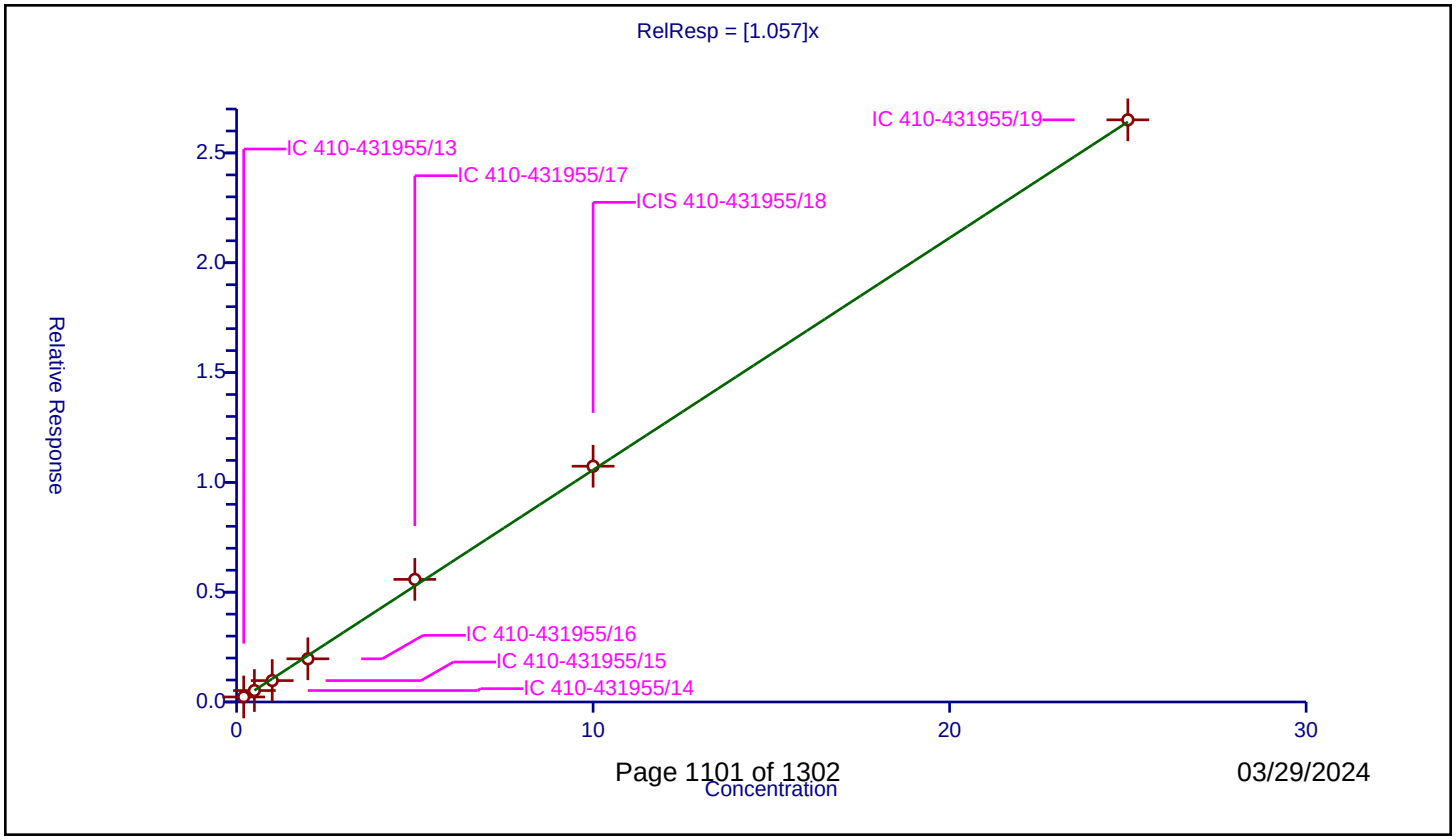
Curve Coefficients

Intercept:	0
Slope:	1.057

Error Coefficients

Standard Error:	960000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.229242	10.0	720593.0	1.146209	Y
2	IC 410-431955/14	0.5	0.520914	10.0	730485.0	1.041828	Y
3	IC 410-431955/15	1.0	0.974332	10.0	728345.0	0.974332	Y
4	IC 410-431955/16	2.0	1.966603	10.0	755516.0	0.983301	Y
5	IC 410-431955/17	5.0	5.582837	10.0	753615.0	1.116567	Y
6	ICIS 410-431955/18	10.0	10.735984	10.0	773685.0	1.073598	Y
7	IC 410-431955/19	25.0	26.507144	10.0	812275.0	1.060286	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

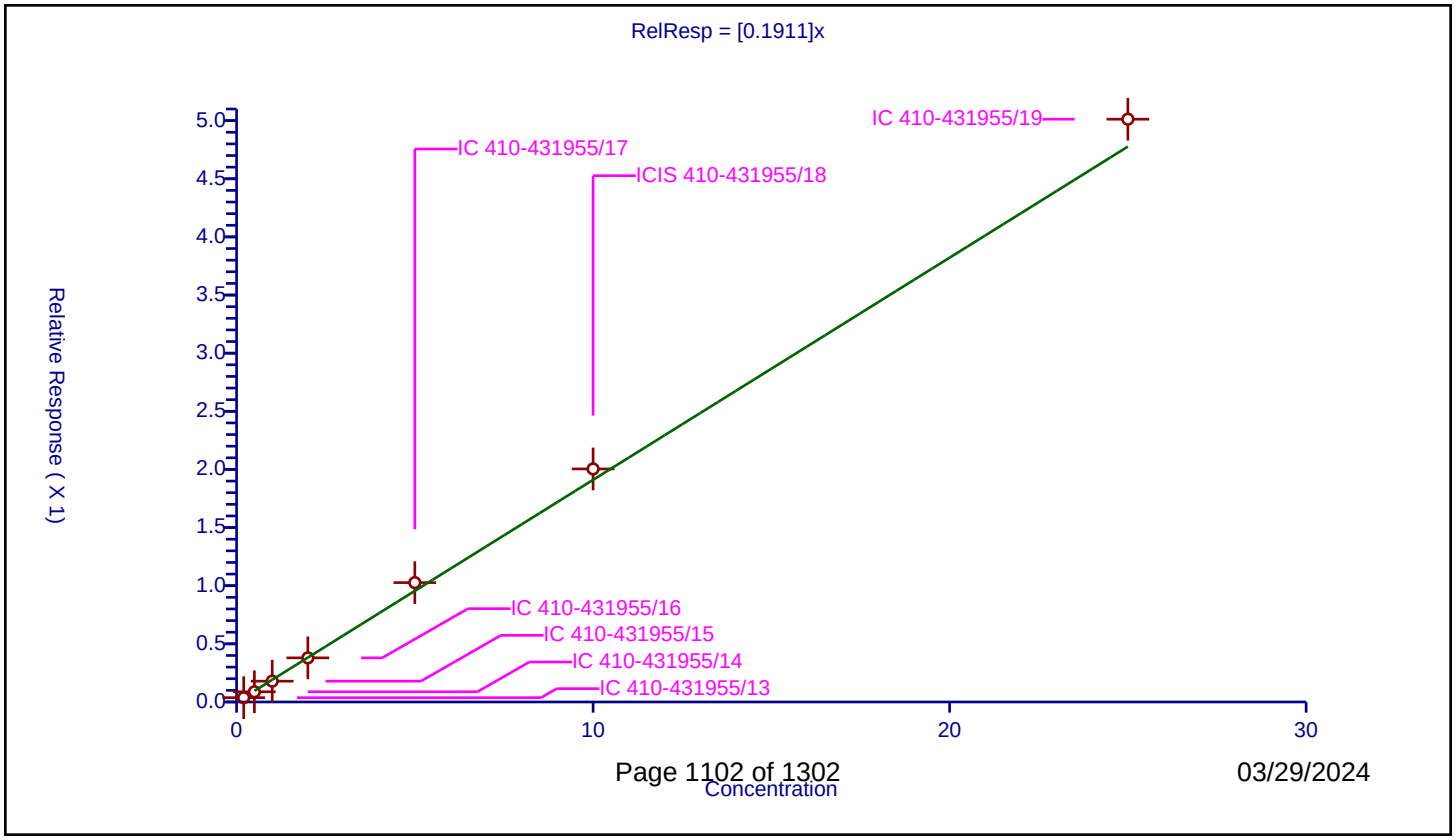
Curve Coefficients

Intercept:	0
Slope:	0.1911

Error Coefficients

Standard Error:	181000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.037372	10.0	720593.0	0.18686	Y
2	IC 410-431955/14	0.5	0.087859	10.0	730485.0	0.175719	Y
3	IC 410-431955/15	1.0	0.178912	10.0	728345.0	0.178912	Y
4	IC 410-431955/16	2.0	0.379463	10.0	755516.0	0.189731	Y
5	IC 410-431955/17	5.0	1.026625	10.0	753615.0	0.205325	Y
6	ICIS 410-431955/18	10.0	2.004446	10.0	773685.0	0.200445	Y
7	IC 410-431955/19	25.0	5.01249	10.0	812275.0	0.2005	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

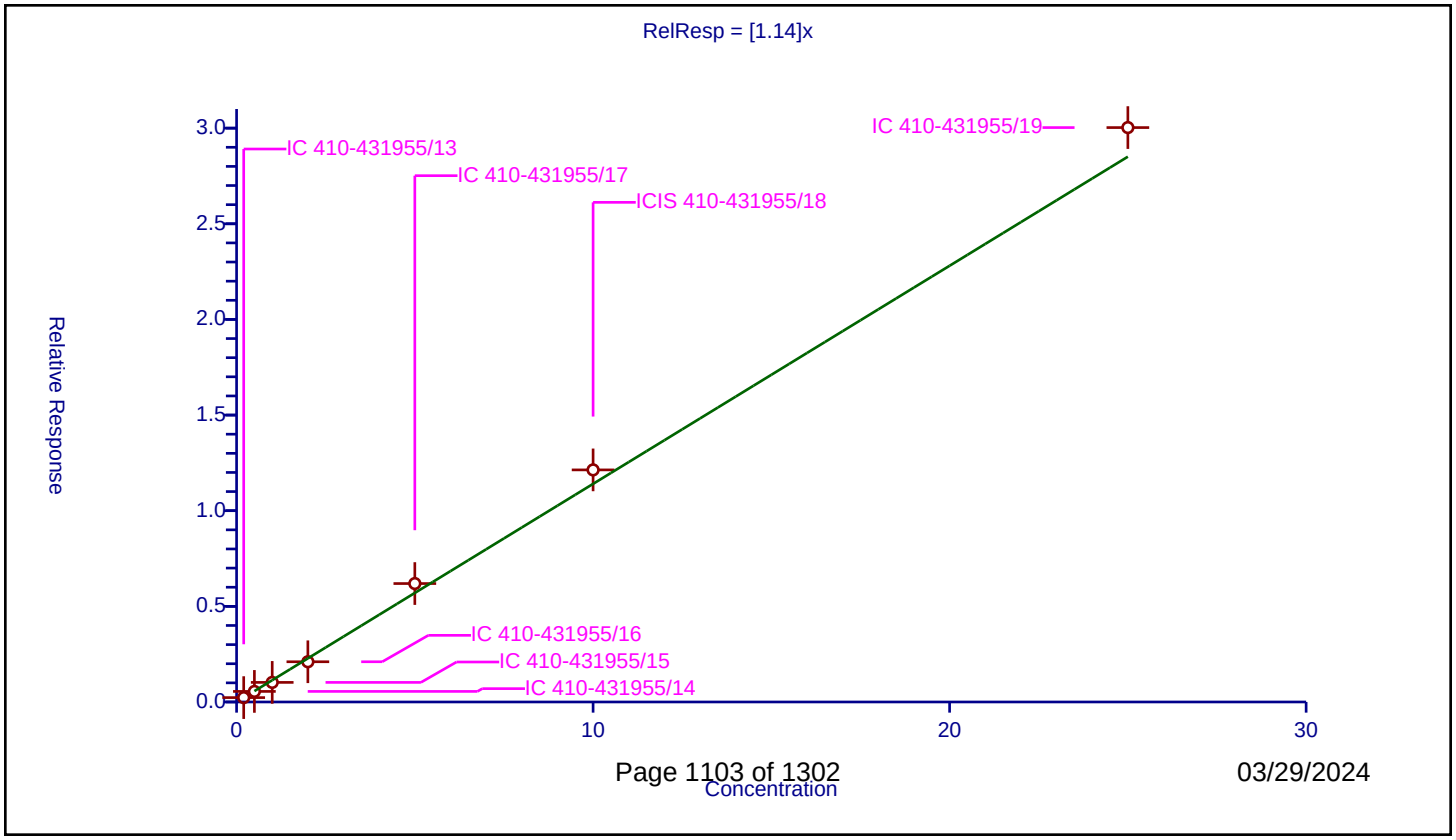
Curve Coefficients

Intercept:	0
Slope:	1.14

Error Coefficients

Standard Error:	1090000
Relative Standard Error:	7.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.229991	10.0	720593.0	1.149956	Y
2	IC 410-431955/14	0.5	0.552126	10.0	730485.0	1.104253	Y
3	IC 410-431955/15	1.0	1.023746	10.0	728345.0	1.023746	Y
4	IC 410-431955/16	2.0	2.102695	10.0	755516.0	1.051348	Y
5	IC 410-431955/17	5.0	6.191411	10.0	753615.0	1.238282	Y
6	ICIS 410-431955/18	10.0	12.133995	10.0	773685.0	1.2134	Y
7	IC 410-431955/19	25.0	30.029091	10.0	812275.0	1.201164	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

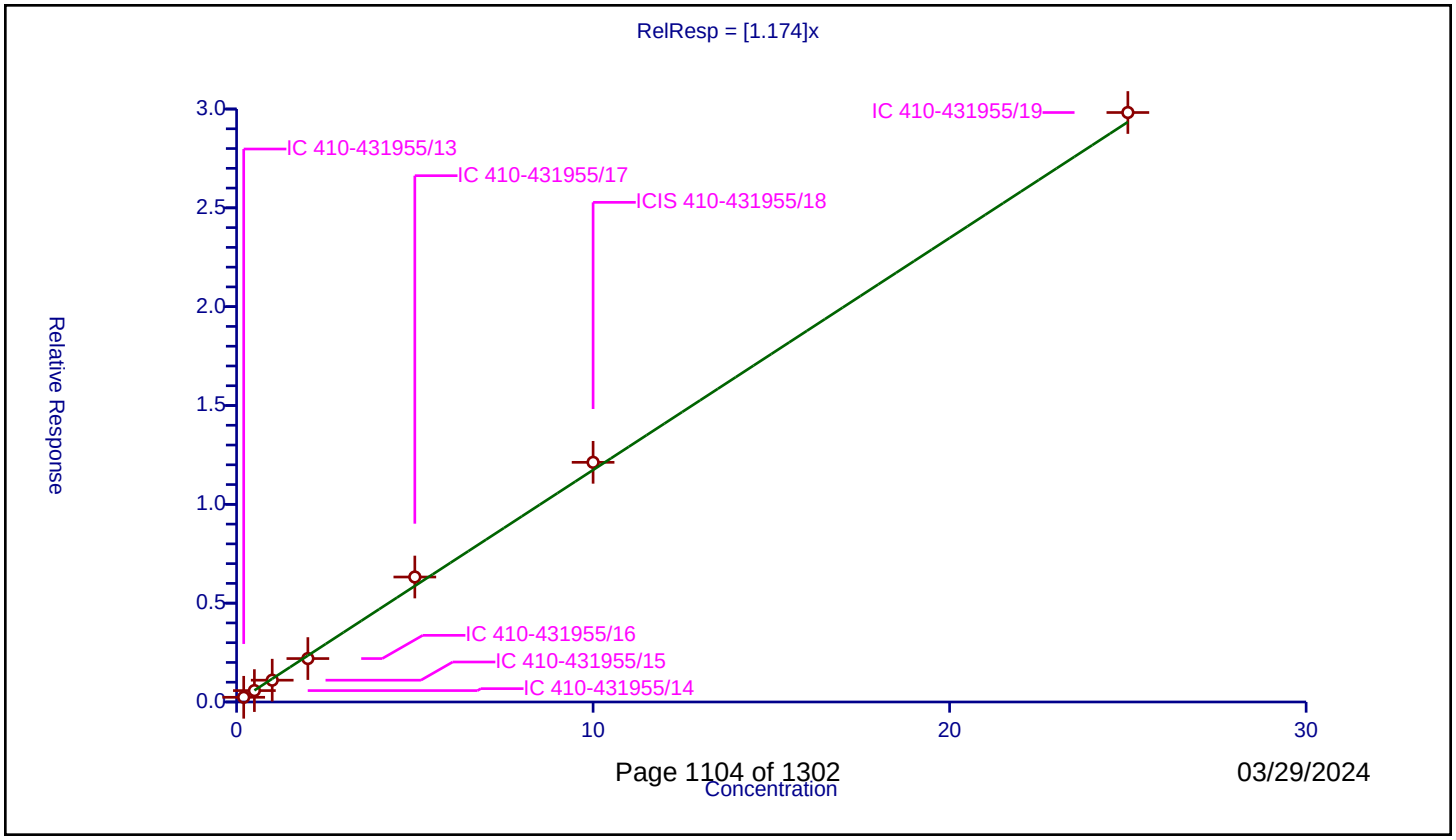
Curve Coefficients

Intercept:	0
Slope:	1.174

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.238595	10.0	720593.0	1.192976	Y
2	IC 410-431955/14	0.5	0.576398	10.0	730485.0	1.152796	Y
3	IC 410-431955/15	1.0	1.102266	10.0	728345.0	1.102266	Y
4	IC 410-431955/16	2.0	2.197055	10.0	755516.0	1.098527	Y
5	IC 410-431955/17	5.0	6.32295	10.0	753615.0	1.26459	Y
6	ICIS 410-431955/18	10.0	12.125128	10.0	773685.0	1.212513	Y
7	IC 410-431955/19	25.0	29.823188	10.0	812275.0	1.192928	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

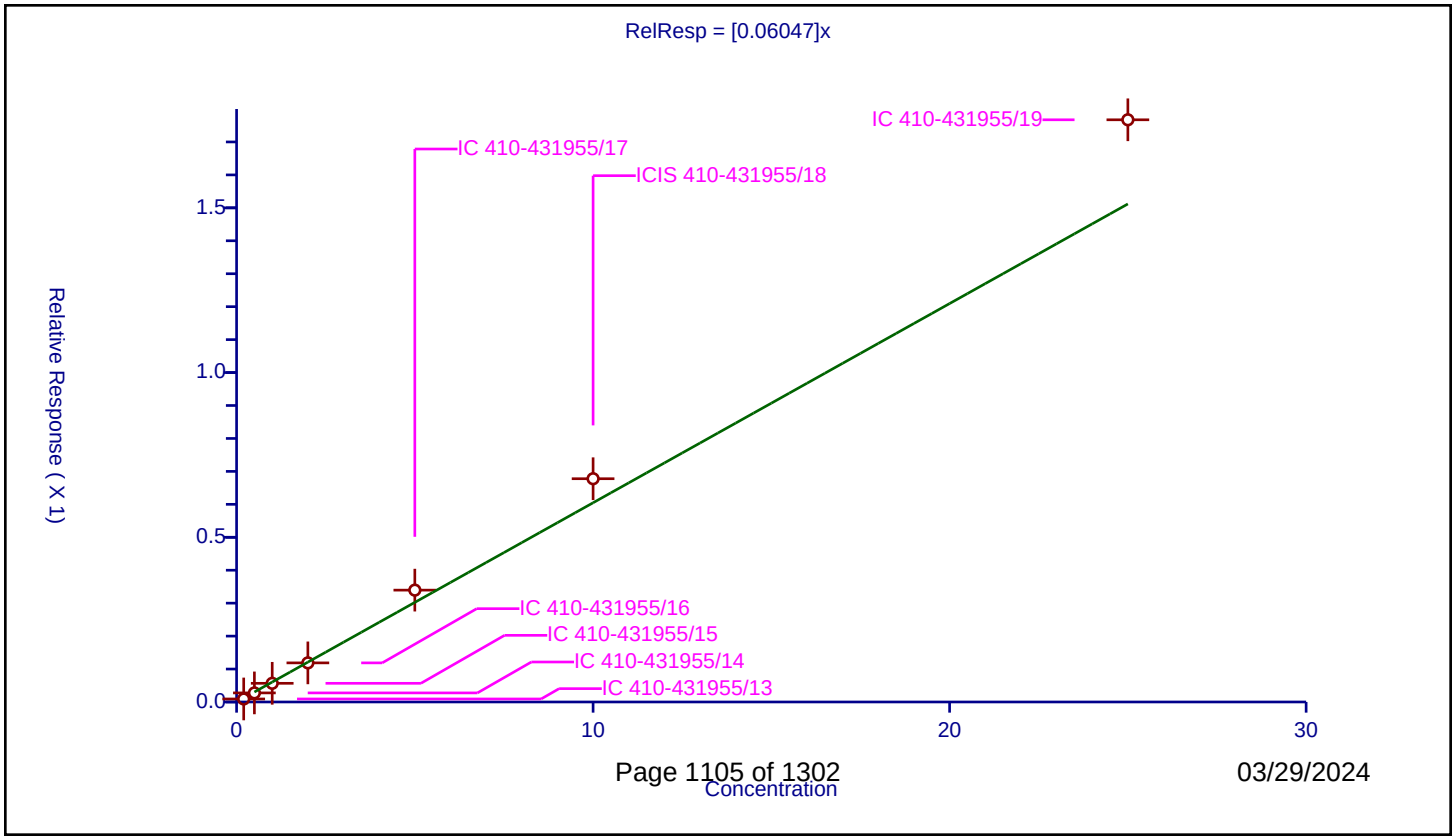
Curve Coefficients

Intercept:	0
Slope:	0.06047

Error Coefficients

Standard Error:	63400
Relative Standard Error:	14.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.009159	10.0	720593.0	0.045796	Y
2	IC 410-431955/14	0.5	0.027543	10.0	730485.0	0.055087	Y
3	IC 410-431955/15	1.0	0.056704	10.0	728345.0	0.056704	Y
4	IC 410-431955/16	2.0	0.1187	10.0	755516.0	0.05935	Y
5	IC 410-431955/17	5.0	0.339537	10.0	753615.0	0.067907	Y
6	ICIS 410-431955/18	10.0	0.677744	10.0	773685.0	0.067774	Y
7	IC 410-431955/19	25.0	1.767332	10.0	812275.0	0.070693	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

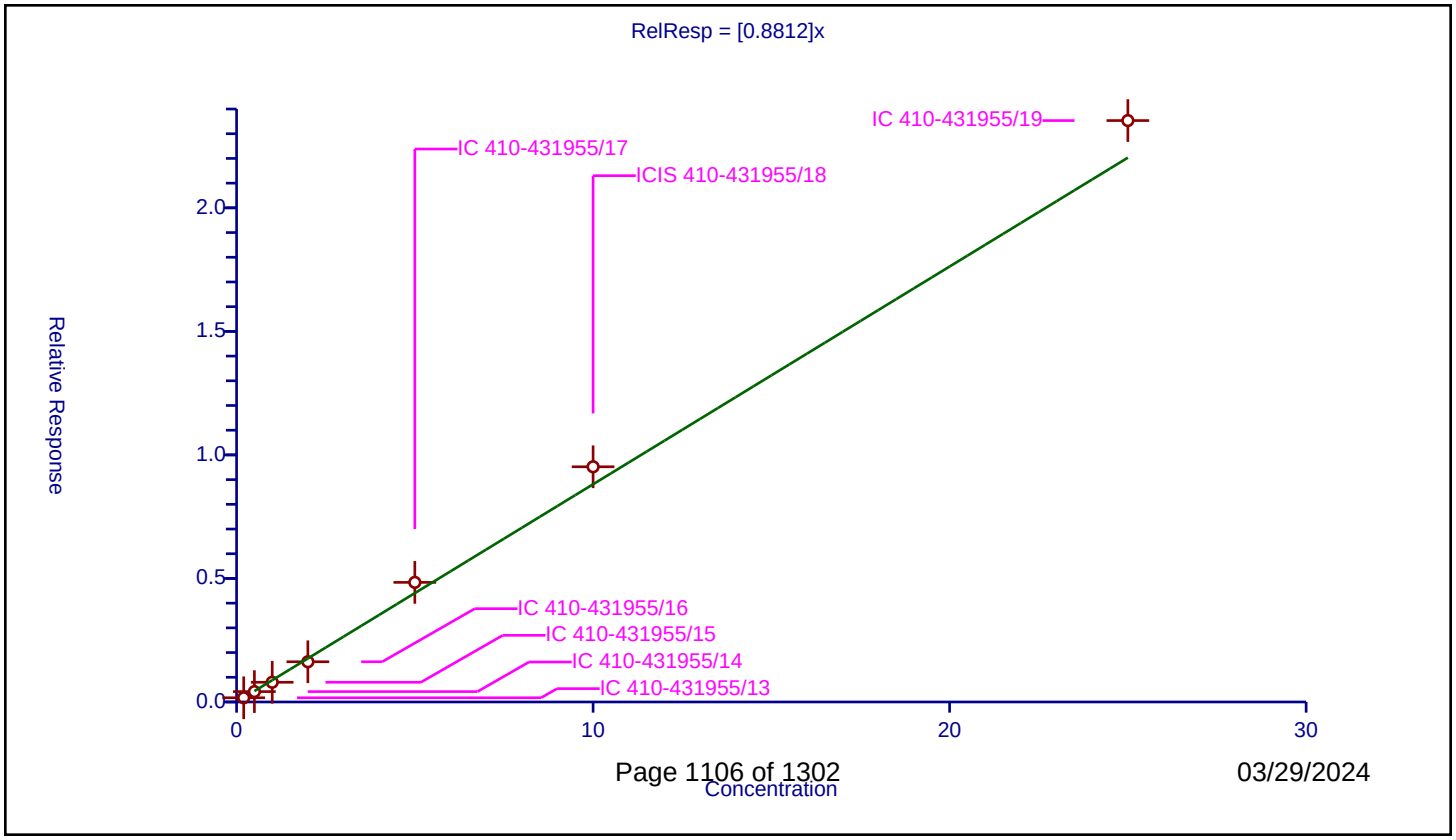
Curve Coefficients

Intercept:	0
Slope:	0.8812

Error Coefficients

Standard Error:	851000
Relative Standard Error:	8.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.170901	10.0	720593.0	0.854505	Y
2	IC 410-431955/14	0.5	0.420118	10.0	730485.0	0.840236	Y
3	IC 410-431955/15	1.0	0.798372	10.0	728345.0	0.798372	Y
4	IC 410-431955/16	2.0	1.627934	10.0	755516.0	0.813967	Y
5	IC 410-431955/17	5.0	4.840947	10.0	753615.0	0.968189	Y
6	ICIS 410-431955/18	10.0	9.520192	10.0	773685.0	0.952019	Y
7	IC 410-431955/19	25.0	23.532547	10.0	812275.0	0.941302	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

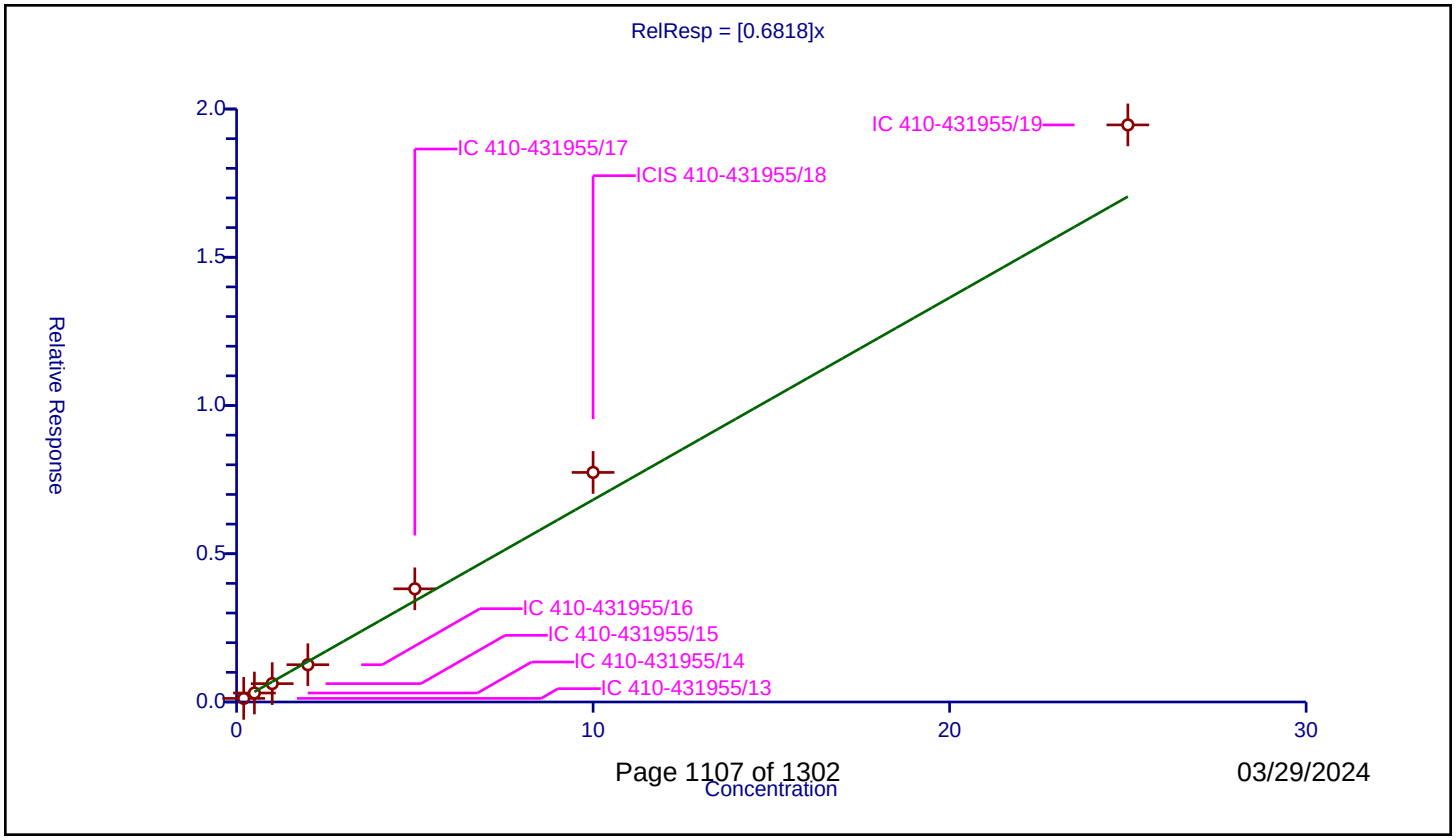
Curve Coefficients

Intercept:	0
Slope:	0.6818

Error Coefficients

Standard Error:	702000
Relative Standard Error:	12.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.12072	10.0	720593.0	0.6036	Y
2	IC 410-431955/14	0.5	0.302607	10.0	730485.0	0.605214	Y
3	IC 410-431955/15	1.0	0.619596	10.0	728345.0	0.619596	Y
4	IC 410-431955/16	2.0	1.256638	10.0	755516.0	0.628319	Y
5	IC 410-431955/17	5.0	3.816352	10.0	753615.0	0.76327	Y
6	ICIS 410-431955/18	10.0	7.74288	10.0	773685.0	0.774288	Y
7	IC 410-431955/19	25.0	19.464049	10.0	812275.0	0.778562	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

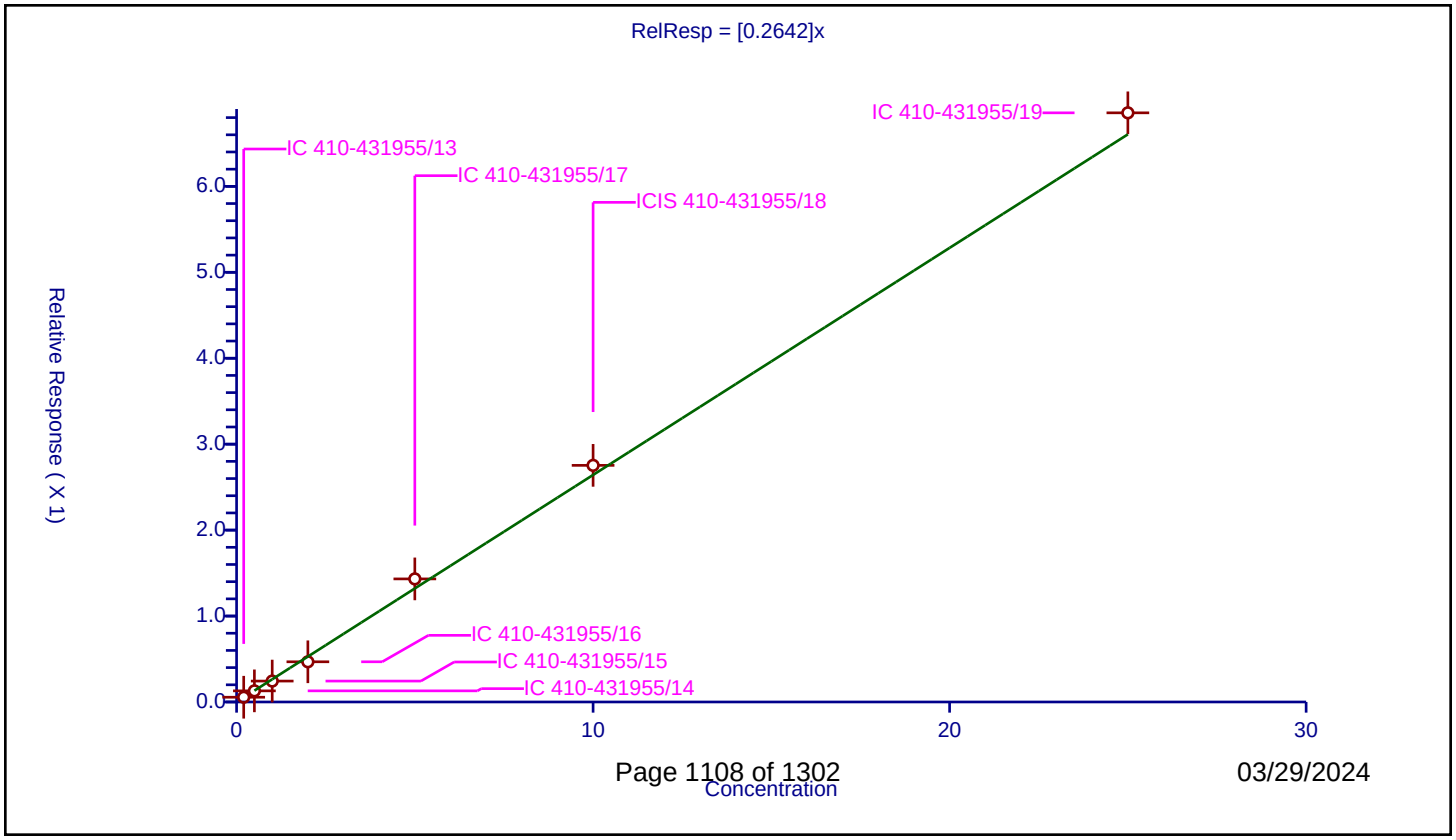
Curve Coefficients

Intercept:	0
Slope:	0.2642

Error Coefficients

Standard Error:	248000
Relative Standard Error:	7.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.055343	10.0	720593.0	0.276717	Y
2	IC 410-431955/14	0.5	0.129667	10.0	730485.0	0.259335	Y
3	IC 410-431955/15	1.0	0.243538	10.0	728345.0	0.243538	Y
4	IC 410-431955/16	2.0	0.467773	10.0	755516.0	0.233887	Y
5	IC 410-431955/17	5.0	1.432084	10.0	753615.0	0.286417	Y
6	ICIS 410-431955/18	10.0	2.753343	10.0	773685.0	0.275334	Y
7	IC 410-431955/19	25.0	6.855498	10.0	812275.0	0.27422	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

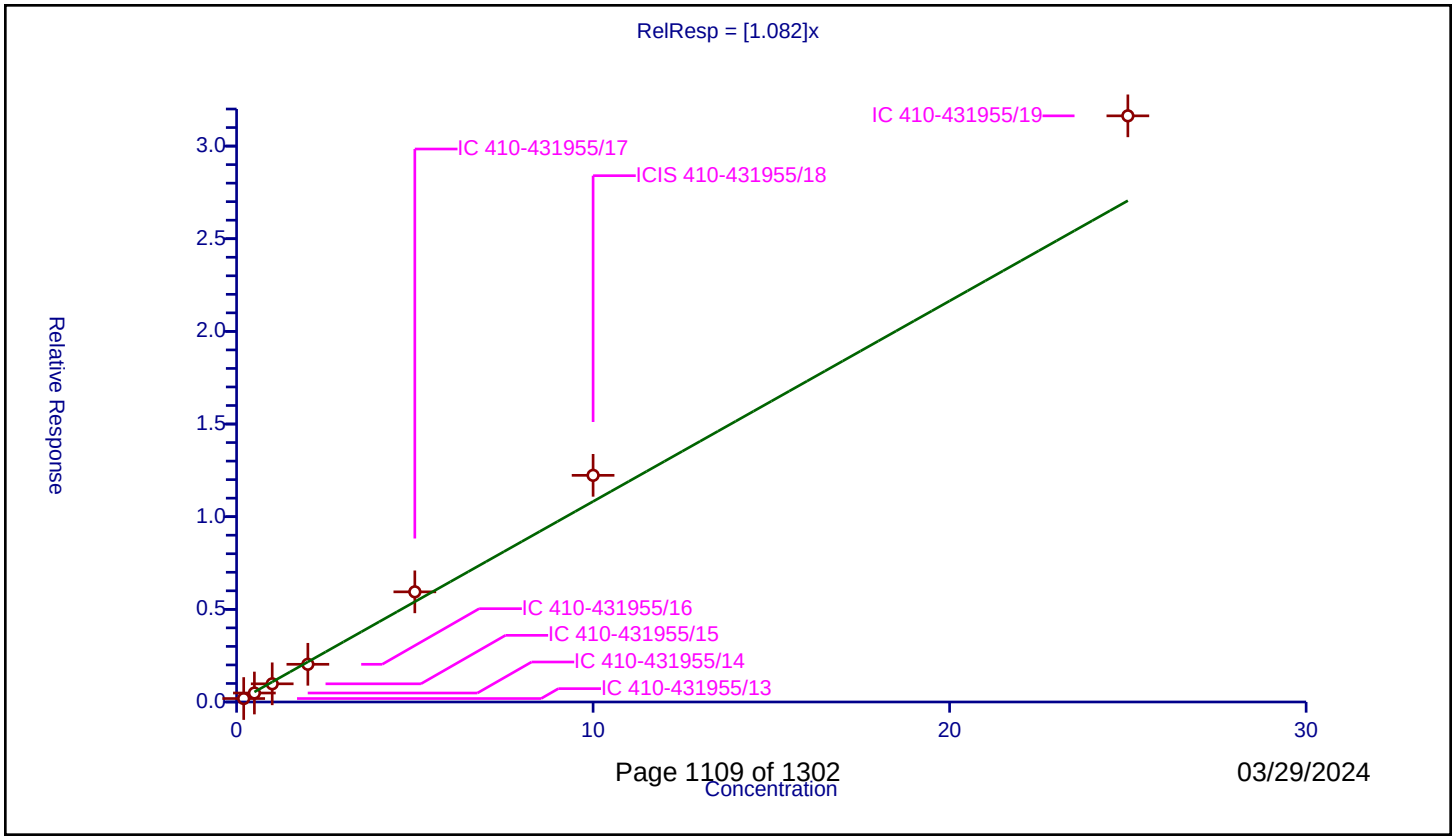
Curve Coefficients

Intercept:	0
Slope:	1.082

Error Coefficients

Standard Error:	1130000
Relative Standard Error:	12.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.186236	10.0	720593.0	0.931178	Y
2	IC 410-431955/14	0.5	0.484555	10.0	730485.0	0.96911	Y
3	IC 410-431955/15	1.0	0.980263	10.0	728345.0	0.980263	Y
4	IC 410-431955/16	2.0	2.034808	10.0	755516.0	1.017404	Y
5	IC 410-431955/17	5.0	5.943937	10.0	753615.0	1.188787	Y
6	ICIS 410-431955/18	10.0	12.230985	10.0	773685.0	1.223099	Y
7	IC 410-431955/19	25.0	31.632033	10.0	812275.0	1.265281	Y



Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

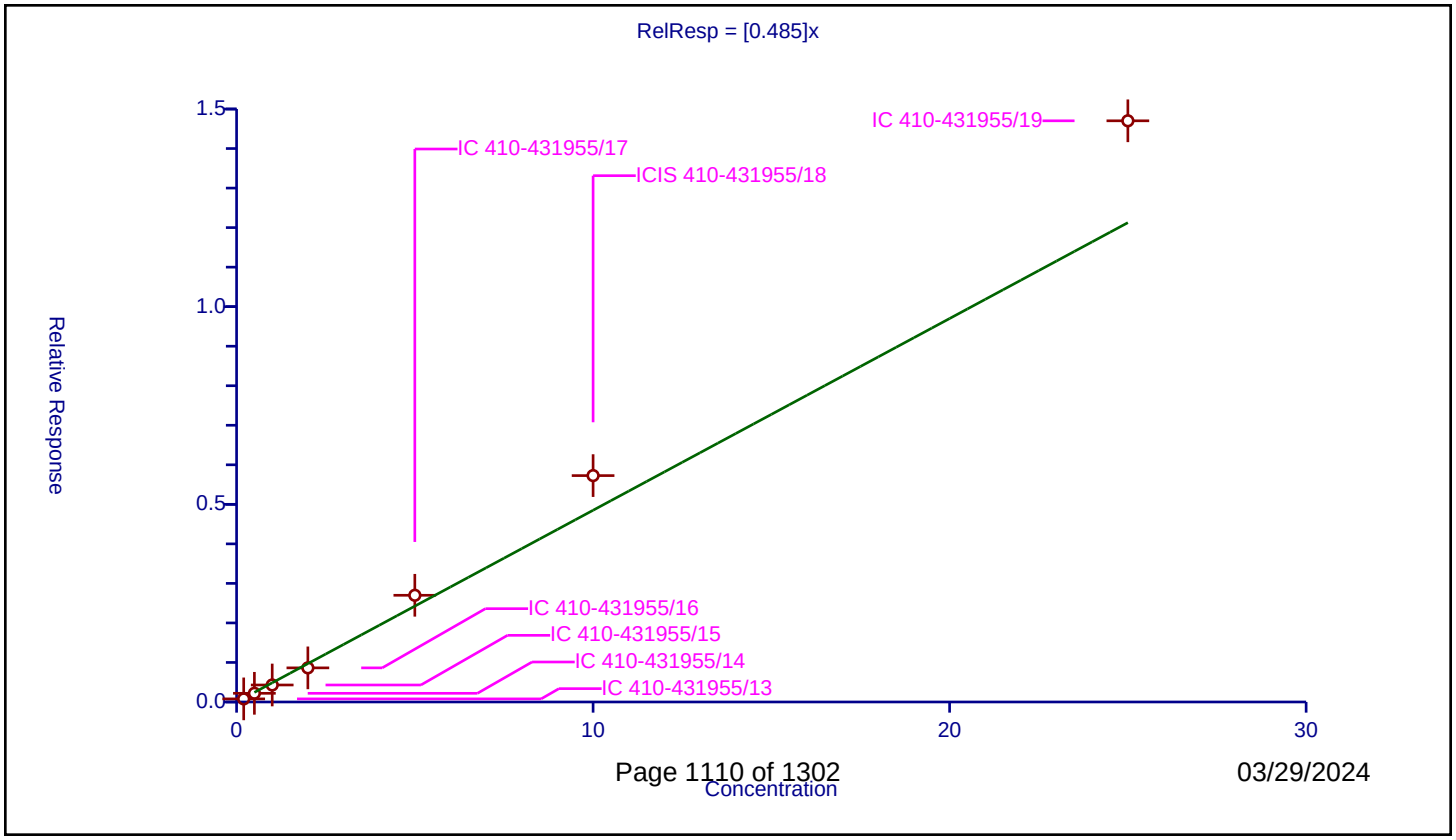
Curve Coefficients

Intercept:	0
Slope:	0.485

Error Coefficients

Standard Error:	527000
Relative Standard Error:	16.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-431955/13	0.2	0.078685	10.0	720593.0	0.393426	Y
2	IC 410-431955/14	0.5	0.219635	10.0	730485.0	0.43927	Y
3	IC 410-431955/15	1.0	0.430222	10.0	728345.0	0.430222	Y
4	IC 410-431955/16	2.0	0.863105	10.0	755516.0	0.431553	Y
5	IC 410-431955/17	5.0	2.699216	10.0	753615.0	0.539843	Y
6	ICIS 410-431955/18	10.0	5.726969	10.0	773685.0	0.572697	Y
7	IC 410-431955/19	25.0	14.701696	10.0	812275.0	0.588068	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Lab Sample ID: ICV 410-114096/10 Calibration Date: 04/13/2021 23:36

Instrument ID: 10193 Calib Start Date: 03/11/2021 19:26

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 03/11/2021 21:40

Lab File ID: CA13V01.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
Acrolein	Ave	1.957	1.776		34.0	37.5	-9.3	30.0
Dibromofluoromethane (Surr)	Ave	0.2368	0.2437		10.3	10.0	2.9	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0488	0.0504		10.3	10.0	3.3	30.0
Toluene-d8 (Surr)	Ave	1.338	1.338		10.0	10.0	0.0	30.0
4-Bromofluorobenzene (Surr)	Ave	0.5124	0.4992		9.74	10.0	-2.6	30.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20210413-26577.b\CA13V01.D
Lims ID: ICV Sm
Client ID:
Sample Type: ICV
Inject. Date: 13-Apr-2021 23:36:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0026577-010
Misc. Info.: ICV SM
Operator ID: MEC29284 Instrument ID: 10193
Sublist:

Method: \\chromfs\Lancaster\ChromData\10193\20210413-26577.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 14-Apr-2021 00:11:47 Calib Date: 13-Apr-2021 23:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20210413-26577.b\CA13I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1662

First Level Reviewer: campbellme Date: 14-Apr-2021 00:05:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorodifluoromethane	51	1.898	1.898	0.000	97	315099	5.00	4.90	M
140 Dimethyl ether	45	1.959	1.965	-0.006	99	315365	5.00	5.23	M
13 Acrolein	56	3.251	3.257	-0.006	98	200609	37.5	34.0	
21 Acetonitrile	41	3.775	3.788	-0.013	98	132065	37.5	42.1	M
* 25 t-Butyl alcohol-d10 (IS)	65	4.031	4.044	-0.013	0	150664	50.0	50.0	
31 Vinyl acetate	43	5.068	5.074	-0.006	98	880028	12.5	12.6	
39 Ethyl acetate	43	5.946	5.952	-0.006	99	227021	2.50	4.80	
41 Methyl acrylate	55	6.007	6.013	-0.006	100	771280	25.0	26.0	
$ 47 Dibromofluoromethane (Surr)	113	6.616	6.622	-0.006	93	468189	10.0	10.3	
145 1-Chlorobutane	56	6.781	6.781	0.000	95	523256	5.00	5.17	
$ 53 1,2-Dichloroethane-d4 (Surr)	102	7.073	7.080	-0.007	0	96799	10.0	10.3	
152 Isopropyl acetate	43	7.195	7.195	0.000	98	158983	2.50	2.30	
* 57 Fluorobenzene (IS)	96	7.512	7.512	0.000	99	1921487	10.0	10.0	
160 n-Propyl acetate	61	8.512	8.518	-0.006	99	32651	2.50	2.44	
69 2-Chloroethyl vinyl ether	63	9.061	9.061	0.000	89	126529	5.00	5.07	
70 Chloroacetonitrile	75	9.061	9.067	-0.006	85	396375	250.0	274.9	
$ 74 Toluene-d8 (Surr)	98	9.561	9.567	-0.006	94	1945743	10.0	10.0	
161 n-Butyl acetate	43	10.475	10.475	0.000	98	150000	2.50	2.37	
* 85 Chlorobenzene-d5 (IS)	117	11.054	11.054	0.000	86	1454282	10.0	10.0	
96 cis-1,4-Dichloro-2-butene	88	11.981	11.987	-0.006	0	200805	12.5	13.4	
97 Cyclohexanone	55	12.018	12.018	0.000	91	124955	125.0	113.3	M
$ 98 4-Bromofluorobenzene (Surr)	95	12.079	12.079	0.000	92	726025	10.0	9.74	
* 113 1,4-Dichlorobenzene-d4	152	12.969	12.969	0.000	95	819556	10.0	10.0	
122 Hexachloroethane	117	13.444	13.444	0.000	92	207760	5.00	5.04	

QC Flag Legend
Processing Flags

Review Flags
M - Manually Integrated

Reagents:

MSV_Q_VOA5_00025	Amount Added:	25.00	Units: uL	
MSV_QAcet_00012	Amount Added:	7.50	Units: uL	
MSV_QCYC_00005	Amount Added:	12.50	Units: uL	
MSV_QREV4_25_00017	Amount Added:	12.50	Units: uL	
MSV_Q_CDFM_25_00014	Amount Added:	5.00	Units: uL	
MSV_Q_QARC_00077	Amount Added:	12.50	Units: uL	
MSV_Q_QDME_00013	Amount Added:	5.00	Units: uL	
MSV_QLKB_00004	Amount Added:	25.00	Units: uL	
MSV_HP25_ISSS_00023	Amount Added:	1.00	Units: uL	Run Reagent

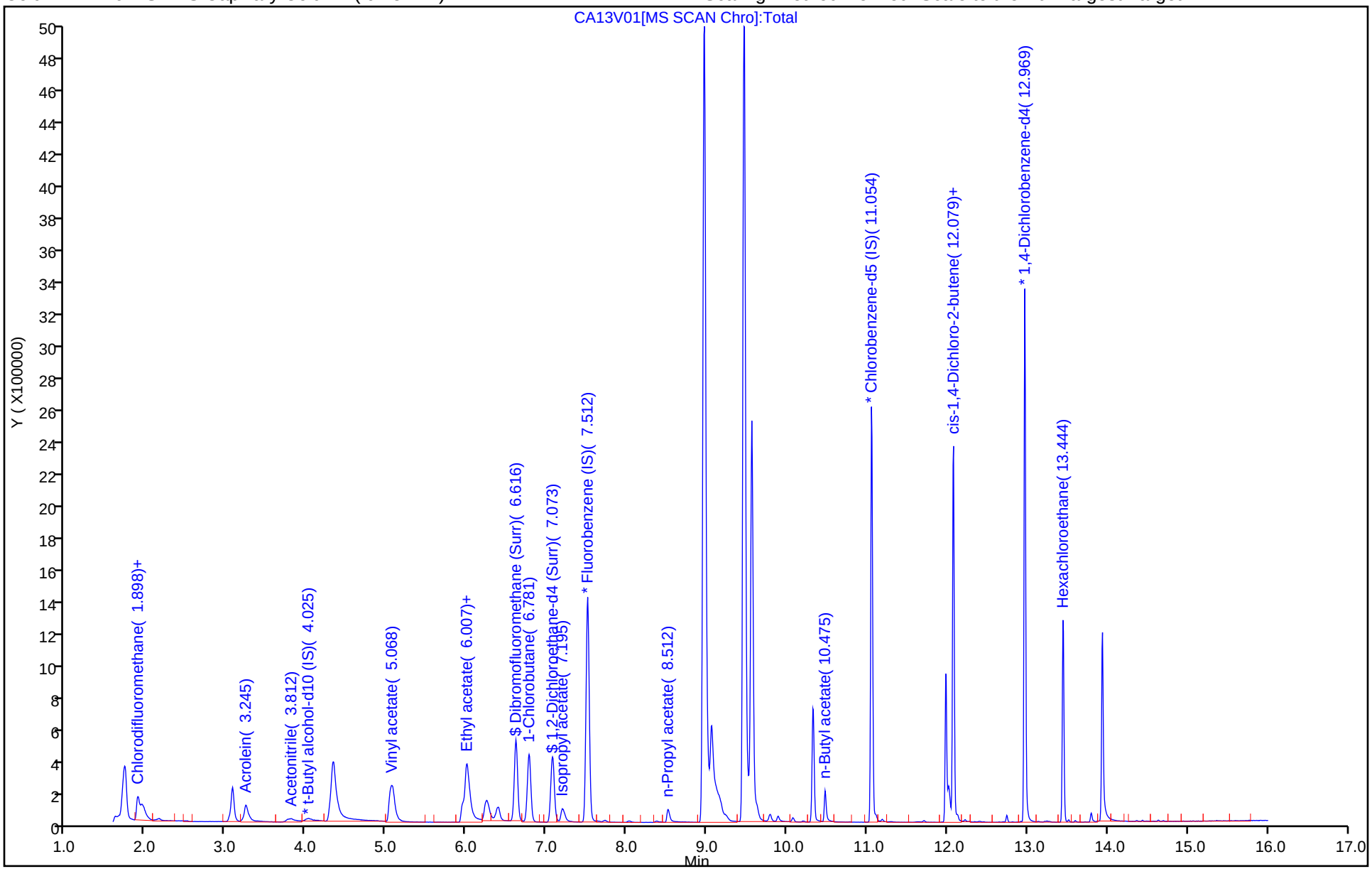
Report Date: 14-Apr-2021 00:11:48 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20210413-26577.b\CA13V01.D

Injection Date:	13-Apr-2021 23:36:30	Instrument ID:	10193	Operator ID:	MEC29284
Lims ID:	ICV Sm			Worklist Smp#:	10
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Lab Sample ID: ICV 410-114096/10 Calibration Date: 04/13/2021 23:36

Instrument ID: 10193 Calib Start Date: 04/13/2021 21:00

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 04/13/2021 23:14

Lab File ID: CA13V01.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
Chlorodifluoromethane	Ave	0.3345	0.3280		4.90	5.00	-1.9	30.0
Methoxymethane	Lin		0.3283		5.23	5.00	4.5	30.0
Acetonitrile	Ave	0.0163	0.0183		42.1	37.5	12.4	30.0
Vinyl acetate	Ave	0.3638	0.3664		12.6	12.5	0.7	30.0
Ethyl acetate	Ave	0.2461	0.4726		4.80	2.50	92.0*	30.0
Methyl acrylate	Ave	9.829	10.24		26.0	25.0	4.2	30.0
1-Chlorobutane	Ave	0.5262	0.5446		5.17	5.00	3.5	30.0
2-Chloroethyl vinyl ether	Ave	0.1298	0.1317		5.07	5.00	1.4	30.0
Chloroacetonitrile	Ave	0.0075	0.0083		275	250	10.0	30.0
cis-1,4-Dichloro-2-butene	Ave	0.1030	0.1106		13.4	12.5	7.3	30.0
Cyclohexanone	Ave	0.3662	0.3317		113	125	-9.4	30.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20210413-26577.b\CA13V01.D
Lims ID: ICV Sm
Client ID:
Sample Type: ICV
Inject. Date: 13-Apr-2021 23:36:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0026577-010
Misc. Info.: ICV SM
Operator ID: MEC29284 Instrument ID: 10193
Sublist:

Method: \\chromfs\Lancaster\ChromData\10193\20210413-26577.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 14-Apr-2021 00:11:47 Calib Date: 13-Apr-2021 23:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20210413-26577.b\CA13I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1662

First Level Reviewer: campbellme Date: 14-Apr-2021 00:05:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorodifluoromethane	51	1.898	1.898	0.000	97	315099	5.00	4.90	M
140 Dimethyl ether	45	1.959	1.965	-0.006	99	315365	5.00	5.23	M
13 Acrolein	56	3.251	3.257	-0.006	98	200609	37.5	34.0	
21 Acetonitrile	41	3.775	3.788	-0.013	98	132065	37.5	42.1	M
* 25 t-Butyl alcohol-d10 (IS)	65	4.031	4.044	-0.013	0	150664	50.0	50.0	
31 Vinyl acetate	43	5.068	5.074	-0.006	98	880028	12.5	12.6	
39 Ethyl acetate	43	5.946	5.952	-0.006	99	227021	2.50	4.80	
41 Methyl acrylate	55	6.007	6.013	-0.006	100	771280	25.0	26.0	
$ 47 Dibromofluoromethane (Surr)	113	6.616	6.622	-0.006	93	468189	10.0	10.3	
145 1-Chlorobutane	56	6.781	6.781	0.000	95	523256	5.00	5.17	
$ 53 1,2-Dichloroethane-d4 (Surr)	102	7.073	7.080	-0.007	0	96799	10.0	10.3	
152 Isopropyl acetate	43	7.195	7.195	0.000	98	158983	2.50	2.30	
* 57 Fluorobenzene (IS)	96	7.512	7.512	0.000	99	1921487	10.0	10.0	
160 n-Propyl acetate	61	8.512	8.518	-0.006	99	32651	2.50	2.44	
69 2-Chloroethyl vinyl ether	63	9.061	9.061	0.000	89	126529	5.00	5.07	
70 Chloroacetonitrile	75	9.061	9.067	-0.006	85	396375	250.0	274.9	
$ 74 Toluene-d8 (Surr)	98	9.561	9.567	-0.006	94	1945743	10.0	10.0	
161 n-Butyl acetate	43	10.475	10.475	0.000	98	150000	2.50	2.37	
* 85 Chlorobenzene-d5 (IS)	117	11.054	11.054	0.000	86	1454282	10.0	10.0	
96 cis-1,4-Dichloro-2-butene	88	11.981	11.987	-0.006	0	200805	12.5	13.4	
97 Cyclohexanone	55	12.018	12.018	0.000	91	124955	125.0	113.3	M
$ 98 4-Bromofluorobenzene (Surr)	95	12.079	12.079	0.000	92	726025	10.0	9.74	
* 113 1,4-Dichlorobenzene-d4	152	12.969	12.969	0.000	95	819556	10.0	10.0	
122 Hexachloroethane	117	13.444	13.444	0.000	92	207760	5.00	5.04	

QC Flag Legend
Processing Flags

Review Flags
M - Manually Integrated

Reagents:

MSV_Q_VOA5_00025	Amount Added:	25.00	Units: uL	
MSV_QAcet_00012	Amount Added:	7.50	Units: uL	
MSV_QCYC_00005	Amount Added:	12.50	Units: uL	
MSV_QREV4_25_00017	Amount Added:	12.50	Units: uL	
MSV_Q_CDFM_25_00014	Amount Added:	5.00	Units: uL	
MSV_Q_QARC_00077	Amount Added:	12.50	Units: uL	
MSV_Q_QDME_00013	Amount Added:	5.00	Units: uL	
MSV_QLKB_00004	Amount Added:	25.00	Units: uL	
MSV_HP25_ISSS_00023	Amount Added:	1.00	Units: uL	Run Reagent

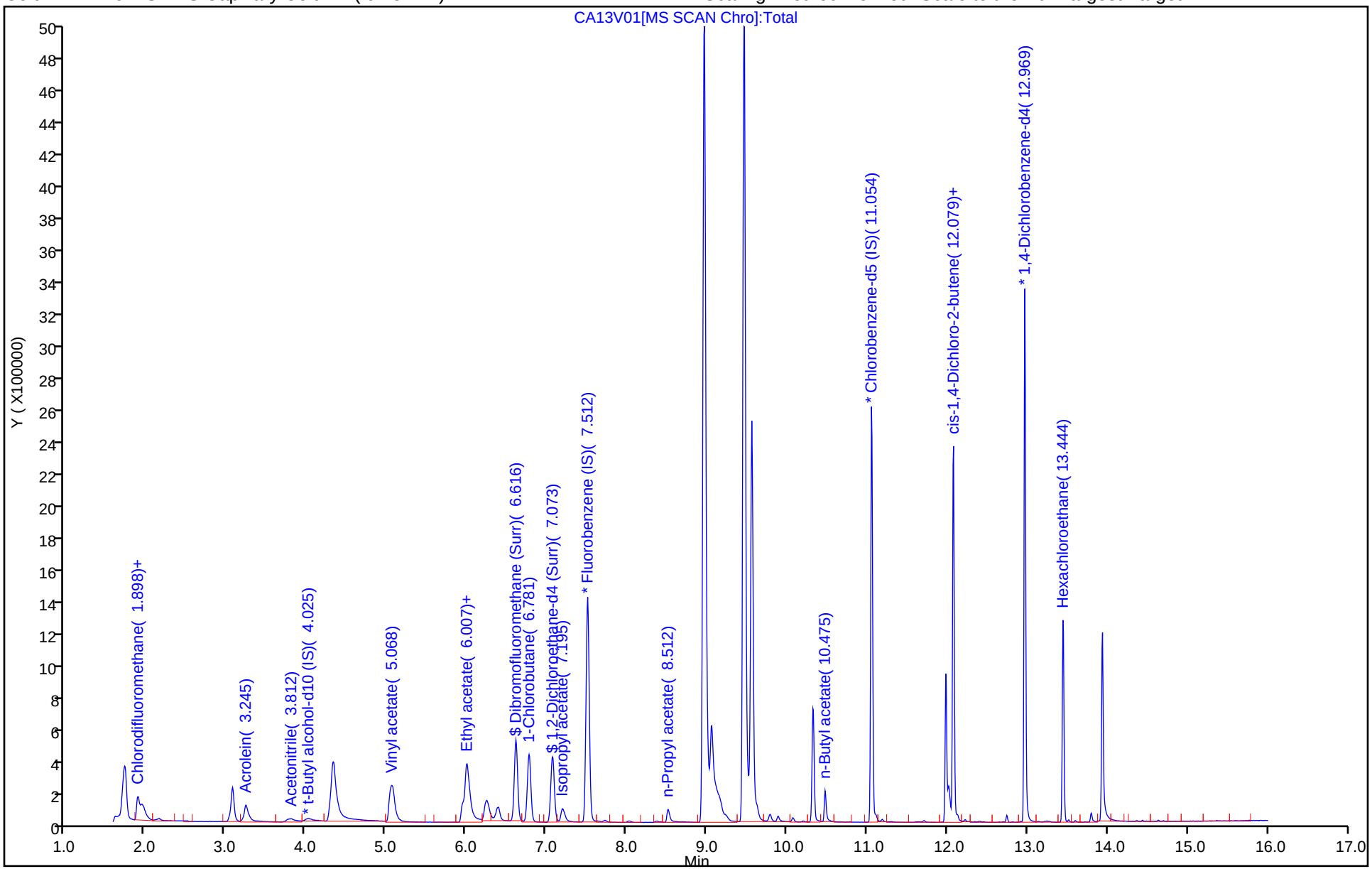
Report Date: 14-Apr-2021 00:11:48 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20210413-26577.b\CA13V01.D

Injection Date:	13-Apr-2021 23:36:30	Instrument ID:	10193	Operator ID:	MEC29284
Lims ID:	ICV Sm			Worklist Smp#:	10
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

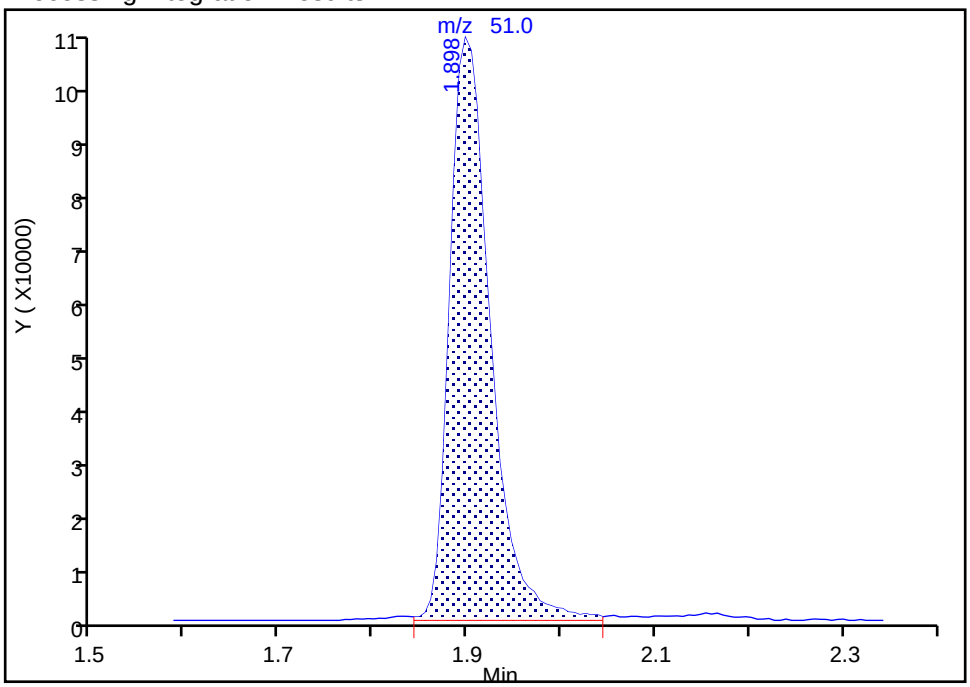
Data File: \\chromfs\Lancaster\ChromData\10193\20210413-26577.b\CA13V01.D
Injection Date: 13-Apr-2021 23:36:30 Instrument ID: 10193
Lims ID: ICV Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

1 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

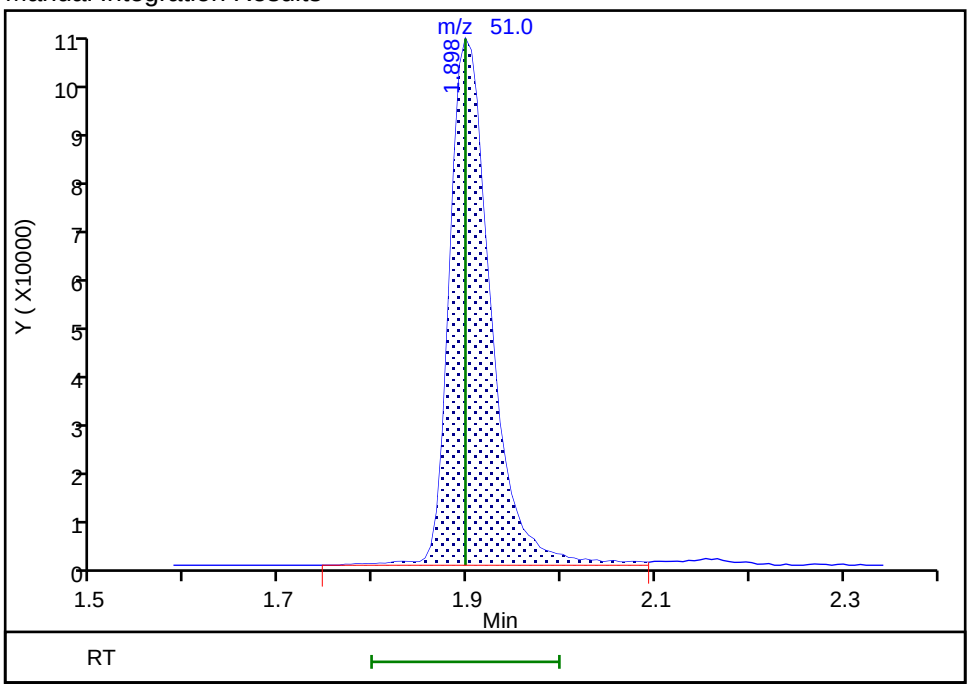
Processing Integration Results

RT: 1.90
Area: 311315
Amount: 4.844186
Amount Units: ug/l



Manual Integration Results

RT: 1.90
Area: 315099
Amount: 4.903067
Amount Units: ug/l



Reviewer: campbellme, 14-Apr-2021 00:04:48
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

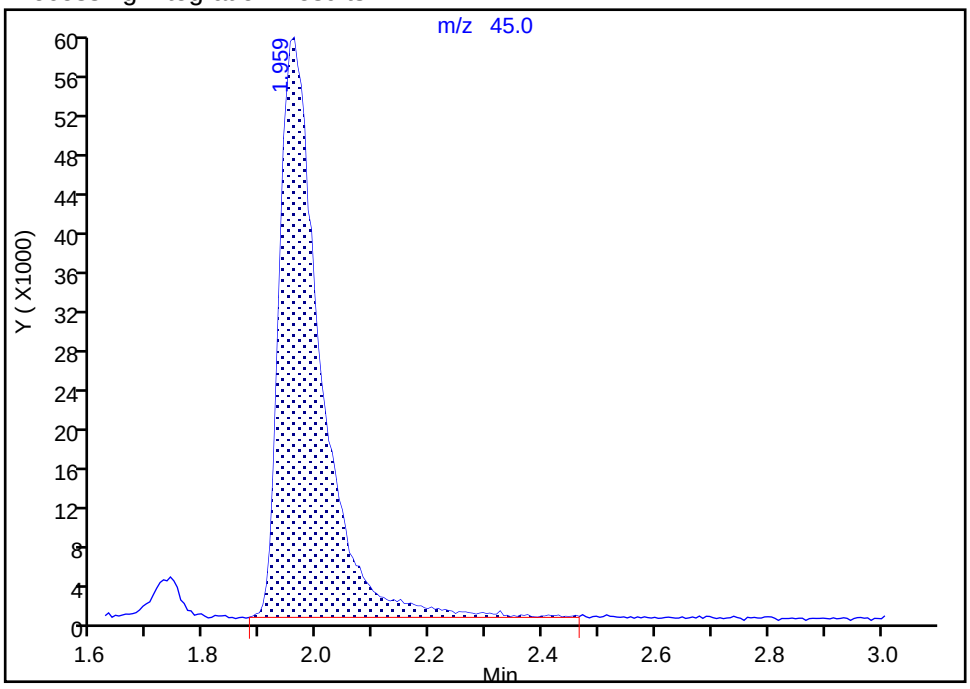
Data File: \\chromfs\Lancaster\ChromData\10193\20210413-26577.b\CA13V01.D
Injection Date: 13-Apr-2021 23:36:30 Instrument ID: 10193
Lims ID: ICV Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

140 Dimethyl ether, CAS: 115-10-6

Signal: 1

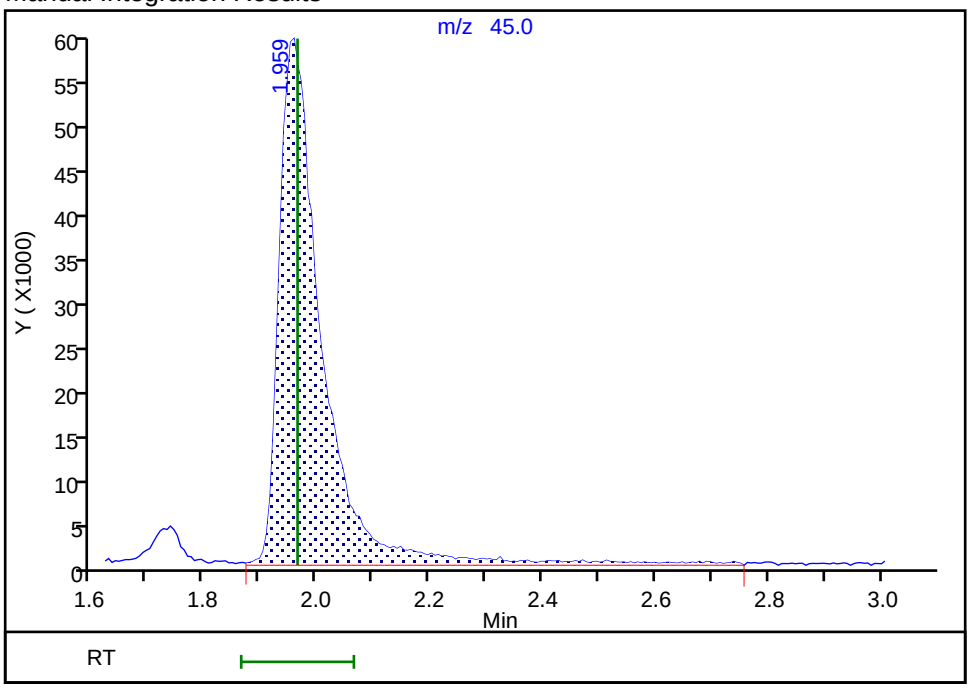
Processing Integration Results

RT: 1.96
Area: 299177
Amount: 4.953116
Amount Units: ug/l



Manual Integration Results

RT: 1.96
Area: 315365
Amount: 5.226828
Amount Units: ug/l



Reviewer: campbellme, 14-Apr-2021 00:05:06
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

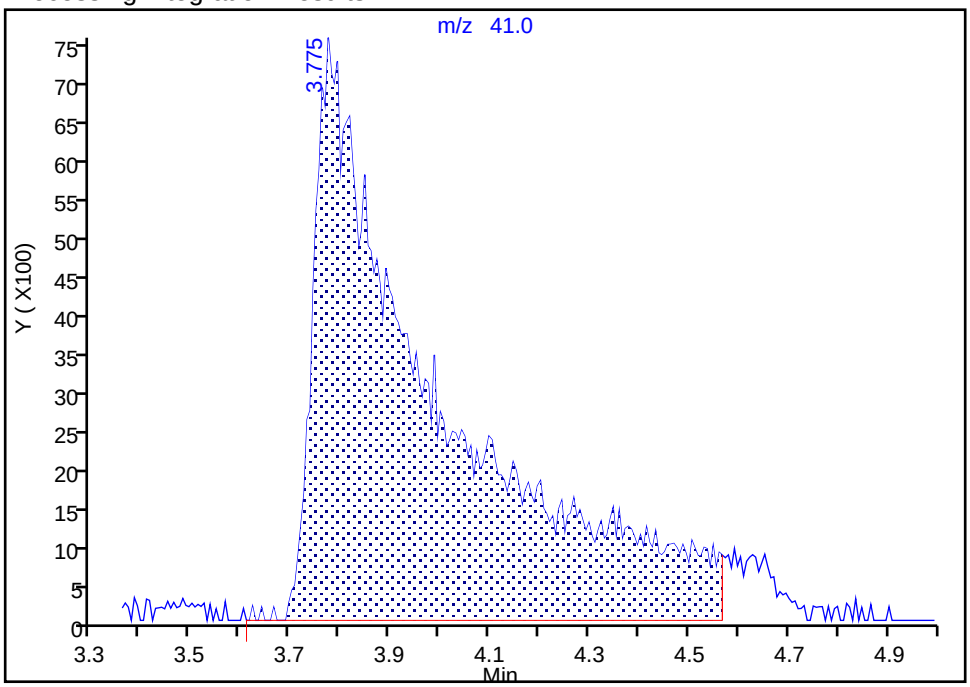
Data File:	\\chromfs\Lancaster\ChromData\10193\20210413-26577.b\CA13V01.D				
Injection Date:	13-Apr-2021 23:36:30	Instrument ID:	10193		
Lims ID:	ICV Sm				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

21 Acetonitrile, CAS: 75-05-8

Signal: 1

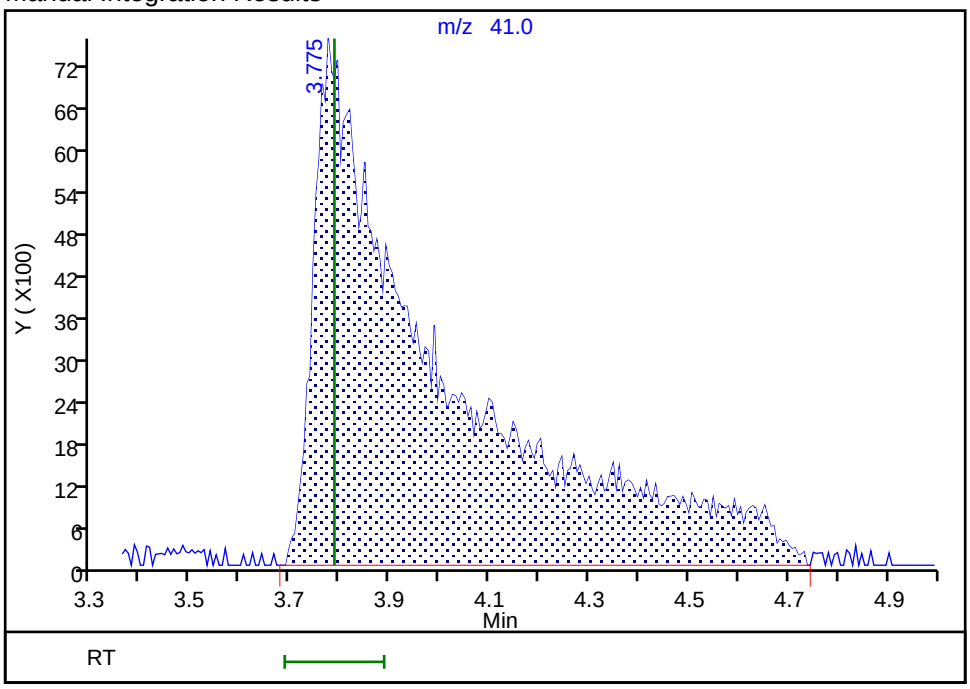
Processing Integration Results

RT: 3.78
Area: 126634
Amount: 40.392986
Amount Units: ug/l



Manual Integration Results

RT: 3.78
Area: 132065
Amount: 42.125335
Amount Units: ug/l



Reviewer: campbellme, 14-Apr-2021 00:05:14

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

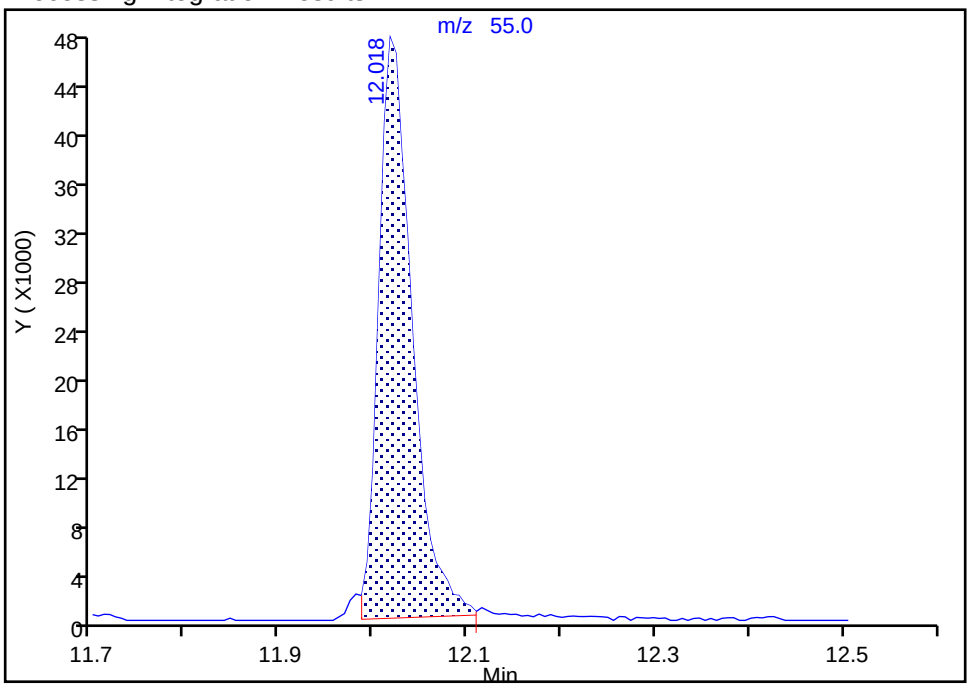
Data File:	\\chromfs\Lancaster\ChromData\10193\20210413-26577.b\CA13V01.D				
Injection Date:	13-Apr-2021 23:36:30	Instrument ID:	10193		
Lims ID:	ICV Sm				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

97 Cyclohexanone, CAS: 108-94-1

Signal: 1

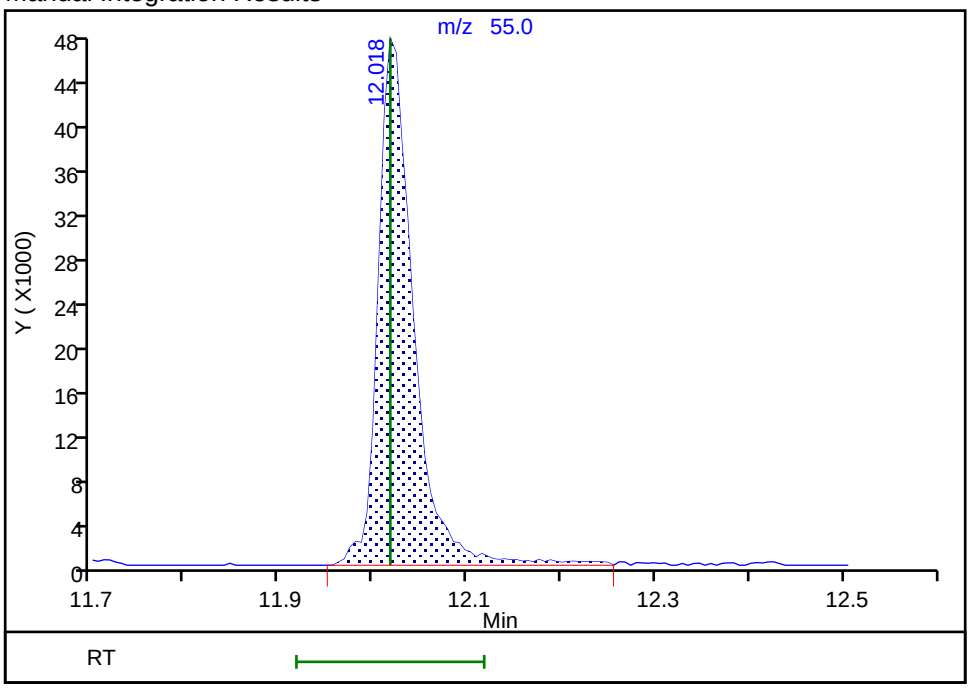
Processing Integration Results

RT: 12.02
Area: 117579
Amount: 106.5682
Amount Units: ug/l



Manual Integration Results

RT: 12.02
Area: 124955
Amount: 113.2535
Amount Units: ug/l



Reviewer: campbellme, 14-Apr-2021 00:05:29

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Lab Sample ID: ICV 410-452392/11 Calibration Date: 12/11/2023 20:43

Instrument ID: 10193 Calib Start Date: 12/11/2023 17:46

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 12/11/2023 19:59

Lab File ID: CD11X10.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
Chlorodifluoromethane	Qua		0.3933		4.74	5.00	-5.1	30.0
Methoxymethane	Ave	0.4103	0.3995		4.87	5.00	-2.6	30.0
Acetonitrile	Ave	0.0158	0.0182		21.6	18.8	15.4	30.0
Vinyl acetate	Ave	0.4097	0.3190		9.73	12.5	-22.1	30.0
Ethyl acetate	Ave	0.1779	0.1693		2.38	2.50	-4.8	30.0
2-Chloroethyl vinyl ether	Qua		0.1246		4.45	5.00	-10.9	30.0
cis-1,4-Dichloro-2-butene	Ave	0.0991	0.1117		14.1	12.5	12.7	30.0
Cyclohexanone	Ave	0.3592	0.3316		115	125	-7.7	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X10.D
Lims ID: ICV Sm
Client ID:
Sample Type: ICV
Inject. Date: 11-Dec-2023 20:43:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0101546-011
Misc. Info.: ICV SM
Operator ID: gaw91131 Instrument ID: 10193
Sublist:

Method: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 14-Dec-2023 10:40:44 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.781	1.787	-0.006	92	217786	5.00	6.83	
3 Chlorodifluoromethane	51	1.829	1.836	-0.007	97	401072	5.00	4.74	
4 Dimethyl ether	45	1.878	1.884	-0.006	99	407355	5.00	4.87	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.171	2.183	-0.012	34	333162	5.00	5.60	
27 Acetonitrile	41	3.604	3.616	-0.012	99	69479	18.8	21.6	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.853	3.841	0.012	96	132128	50.0	50.0	
38 Vinyl acetate	43	4.853	4.859	-0.006	97	813279	12.5	9.73	
46 Ethyl acetate	43	5.756	5.762	-0.006	99	86331	2.50	2.38	
63 Isopropyl acetate	43	7.024	7.024	0.000	98	188202	2.50	2.43	
* 65 Fluorobenzene (IS)	96	7.328	7.328	0.000	99	2039390	10.0	10.0	
75 n-Propyl acetate	61	8.353	8.353	0.000	99	40792	2.50	2.43	
79 2-Chloroethyl vinyl ether	63	8.901	8.901	0.000	92	127093	5.00	4.45	
109 n-Butyl acetate	43	10.358	10.358	0.000	98	172975	2.50	2.40	
* 111 Chlorobenzene-d5 (IS)	117	10.944	10.944	0.000	85	1568896	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.895	11.895	0.000	98	218997	12.5	14.1	
123 Cyclohexanone	55	11.919	11.919	0.000	91	109483	124.9	115.3	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	917262	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_LCS_V5ACE_00033	Amount Added:	6.25	Units: uL
MSV_LCS_CYC_00005	Amount Added:	12.50	Units: uL
MSV_LCS_LKB_00008	Amount Added:	25.00	Units: uL
MSV_LCS_2CEVE_00148	Amount Added:	12.50	Units: uL
MSV_LCS_SMFre_00059	Amount Added:	12.50	Units: uL
MSV_Q_QDME_00038	Amount Added:	5.00	Units: uL
MSV_HP29_ISO_00004	Amount Added:	1.00	Units: uL

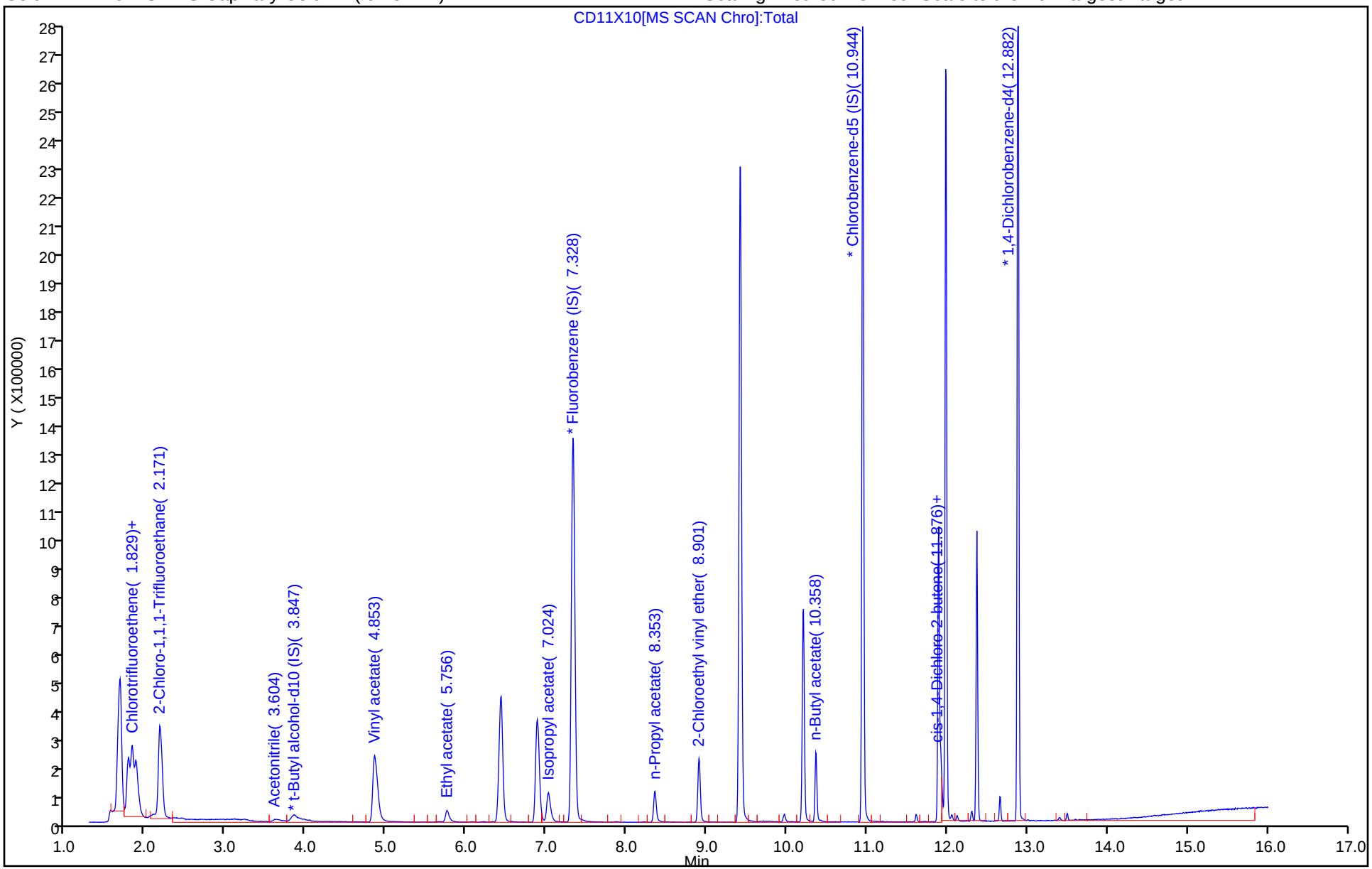
Report Date: 14-Dec-2023 10:40:45 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X10.D

Injection Date:	11-Dec-2023 20:43:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	ICV Sm			Worklist Smp#:	11
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

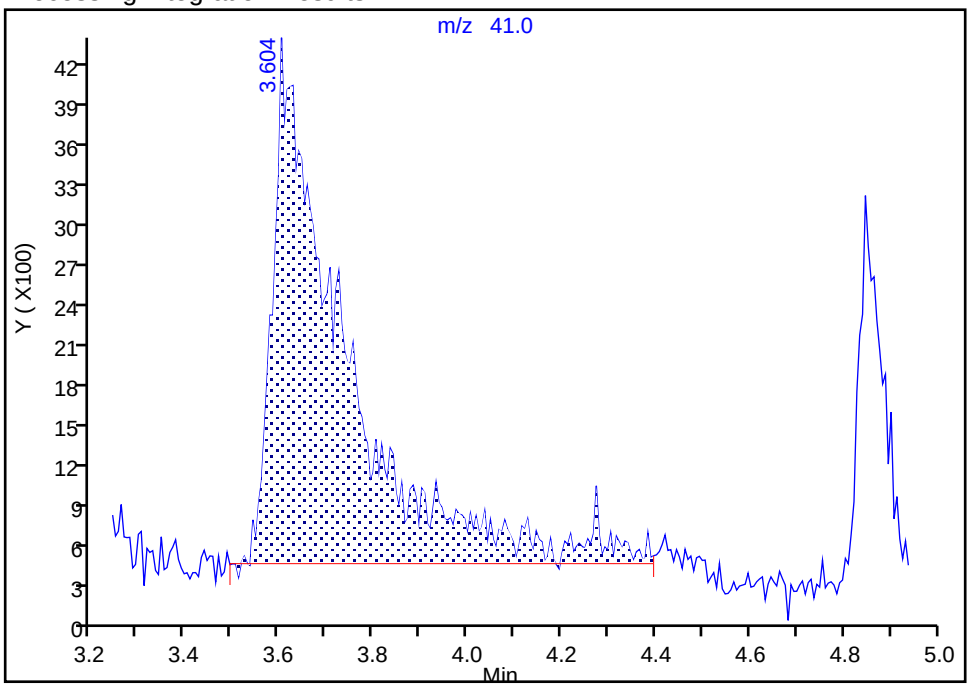
Data File:	\\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X10.D				
Injection Date:	11-Dec-2023 20:43:30	Instrument ID:	10193		
Lims ID:	ICV Sm				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

27 Acetonitrile, CAS: 75-05-8

Signal: 1

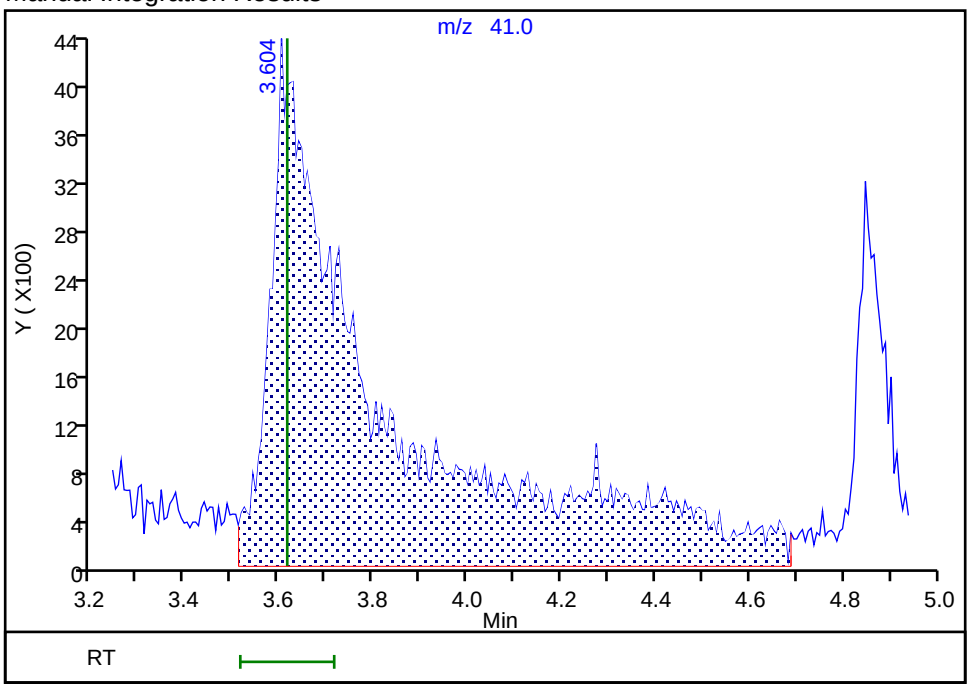
Processing Integration Results

RT: 3.60
Area: 41031
Amount: 9.664861
Amount Units: ug/l



Manual Integration Results

RT: 3.60
Area: 69479
Amount: 21.629923
Amount Units: ug/l



Reviewer: DVW2, 12-Dec-2023 10:49:00 -05:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Lab Sample ID: ICV 410-452392/21 Calibration Date: 12/12/2023 00:25

Instrument ID: 10193 Calib Start Date: 12/11/2023 21:27

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 12/11/2023 23:41

Lab File ID: CD11X20.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	0.3182	0.3166	0.1000	4.98	5.00	-0.5	30.0
Chloromethane	Ave	0.3985	0.3737	0.1000	4.69	5.00	-6.2	30.0
Vinyl chloride	Ave	0.3631	0.3630	0.1000	5.00	5.00	-0.0	30.0
1,3-Butadiene	Ave	0.3661	0.3339		4.56	5.00	-8.8	30.0
Bromomethane	Ave	0.2506	0.2476	0.1000	4.94	5.00	-1.2	30.0
Chloroethane	Ave	0.2013	0.2056	0.1000	5.11	5.00	2.1	30.0
Dichlorofluoromethane	Ave	0.5484	0.5017		4.57	5.00	-8.5	30.0
Trichlorofluoromethane	Ave	0.3950	0.4095	0.1000	5.18	5.00	3.7	30.0
Ethyl ether	Ave	0.2151	0.2252		5.22	4.99	4.7	30.0
Freon 123a	Ave	0.3125	0.3085		4.94	5.00	-1.3	30.0
Acrolein	Ave	2.241	2.430		40.7	37.5	8.5	30.0
1,1-Dichloroethene	Ave	0.2231	0.2360	0.1000	5.29	5.00	5.8	30.0
Acetone	Ave	2.617	2.692	0.1000	64.3	62.5	2.9	30.0
Freon 113	Ave	0.2347	0.2211	0.1000	4.71	5.00	-5.8	30.0
Methyl iodide	Ave	0.4675	0.4487		4.80	5.00	-4.0	30.0
Ethyl bromide	Ave	0.2093	0.2064		4.83	4.89	-1.4	30.0
Carbon disulfide	Ave	0.7774	0.7490	0.1000	4.82	5.00	-3.7	30.0
Methyl acetate	Ave	8.866	8.047	0.1000	4.54	5.00	-9.2	30.0
Allyl chloride	Ave	0.4181	0.3972		4.75	5.00	-5.0	30.0
Methylene Chloride	Ave	0.2621	0.2627	0.1000	5.01	5.00	0.2	30.0
t-Butyl alcohol	Ave	1.133	1.088		48.0	50.0	-3.9	30.0
Acrylonitrile	Ave	4.115	4.111		25.0	25.0	-0.0	30.0
Methyl tert-butyl ether	Ave	0.7272	0.6933	0.1000	4.77	5.00	-4.7	30.0
trans-1,2-Dichloroethene	Ave	0.2657	0.2729	0.1000	5.13	5.00	2.7	30.0
n-Hexane	Ave	0.3597	0.3671		5.10	5.00	2.1	30.0
1,1-Dichloroethane	Ave	0.4873	0.5022	0.2000	5.15	5.00	3.1	30.0
di-Isopropyl ether	Ave	0.9088	0.8827		4.86	5.00	-2.9	30.0
2-Chloro-1,3-butadiene	Ave	0.4013	0.4100		5.11	5.00	2.2	30.0
Ethyl t-butyl ether	Ave	0.8652	0.8625		4.98	5.00	-0.3	30.0
2-Butanone (MEK)	Ave	5.575	5.554	0.1000	62.3	62.5	-0.4	30.0
cis-1,2-Dichloroethene	Ave	0.2996	0.3081	0.1000	5.14	5.00	2.8	30.0
2,2-Dichloropropane	Ave	0.4045	0.4022		4.97	5.00	-0.6	30.0
Propionitrile	Ave	1.403	1.369		36.6	37.5	-2.4	30.0
Methacrylonitrile	Ave	5.314	5.769		40.7	37.5	8.6	30.0
Bromochloromethane	Ave	0.1343	0.1420		5.28	5.00	5.7	30.0
Tetrahydrofuran	Ave	1.604	1.604		25.0	25.0	0.0	30.0
Chloroform	Ave	0.4954	0.4853	0.2000	4.90	5.00	-2.0	30.0
1,1,1-Trichloroethane	Ave	0.4118	0.4398	0.1000	5.34	5.00	6.8	30.0
Cyclohexane	Ave	0.4535	0.4623	0.1000	5.10	5.00	1.9	30.0
Carbon tetrachloride	Ave	0.3625	0.3908	0.1000	5.39	5.00	7.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Lab Sample ID: ICV 410-452392/21 Calibration Date: 12/12/2023 00:25

Instrument ID: 10193 Calib Start Date: 12/11/2023 21:27

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 12/11/2023 23:41

Lab File ID: CD11X20.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1-Dichloropropene	Ave	0.3693	0.3845		5.21	5.00	4.1	30.0
Isobutyl alcohol	Ave	0.4074	0.3899		120	125	-4.3	30.0
Benzene	Ave	1.135	1.149	0.5000	5.06	5.00	1.3	30.0
1,2-Dichloroethane	Ave	0.3053	0.3024	0.1000	4.95	5.00	-0.9	30.0
t-Amyl methyl ether	Ave	0.7865	0.7731		4.91	5.00	-1.7	30.0
n-Heptane	Ave	0.3839	0.4039		5.26	5.00	5.2	30.0
n-Butanol	Ave	0.3450	0.3527		256	250	2.2	30.0
Trichloroethene	Ave	0.2934	0.3008	0.2000	5.13	5.00	2.5	30.0
Methylcyclohexane	Ave	0.4759	0.4999	0.1000	5.25	5.00	5.0	30.0
1,2-Dichloropropane	Ave	0.2950	0.2999	0.1000	5.08	5.00	1.7	30.0
1,4-Dioxane	Ave	0.0701	0.0743	0.0050	132	125	6.0	30.0
Dibromomethane	Ave	0.1436	0.1448		5.04	5.00	0.8	30.0
Methyl methacrylate	Ave	10.75	10.92		5.08	5.00	1.6	30.0
Bromodichloromethane	Ave	0.3426	0.3547	0.2000	5.18	5.00	3.5	30.0
2-Nitropropane	Ave	3.031	2.913		4.80	5.00	-3.9	30.0
1-Bromo-2-chloroethane	Ave	0.3023	0.3105		5.14	5.00	2.7	30.0
cis-1,3-Dichloropropene	Ave	0.4478	0.4401	0.2000	4.91	5.00	-1.7	30.0
4-Methyl-2-pentanone (MIBK)	Ave	13.91	14.44	0.1000	64.9	62.5	3.8	30.0
Toluene	Ave	0.9615	0.9833	0.4000	5.11	5.00	2.3	30.0
trans-1,3-Dichloropropene	Ave	0.4941	0.5037	0.1000	5.10	5.00	2.0	30.0
Ethyl methacrylate	Ave	0.4116	0.4122		5.01	5.00	0.1	30.0
1,1,2-Trichloroethane	Ave	0.2731	0.2740	0.1000	5.02	5.00	0.3	30.0
Tetrachloroethene	Ave	0.4436	0.4733	0.2000	5.33	5.00	6.7	30.0
1,3-Dichloropropane	Ave	0.4691	0.4758		5.07	5.00	1.4	30.0
2-Hexanone	Ave	10.24	10.76	0.1000	65.7	62.5	5.1	30.0
Dibromochloromethane	Ave	0.3331	0.3531		5.30	5.00	6.0	30.0
1,2-Dibromoethane (EDB)	Ave	0.2651	0.2687	0.1000	5.07	5.00	1.3	30.0
1-Chlorohexane	Ave	0.5356	0.5185		4.84	5.00	-3.2	30.0
Chlorobenzene	Ave	1.123	1.156	0.5000	5.15	5.00	3.0	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3881	0.4067		5.24	5.00	4.8	30.0
Ethylbenzene	Ave	1.877	1.947	0.1000	5.19	5.00	3.7	30.0
m&p-Xylene	Ave	0.7548	0.7763	0.1000	10.3	10.0	2.8	30.0
o-Xylene	Ave	0.7520	0.7723	0.3000	5.14	5.00	2.7	30.0
Styrene	Ave	1.233	1.293	0.3000	5.25	5.00	4.9	30.0
Bromoform	Ave	0.2084	0.2163	0.1000	5.19	5.00	3.8	30.0
Isopropylbenzene	Ave	1.790	2.035	0.1000	5.68	5.00	13.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5797	0.5763	0.3000	4.97	5.00	-0.6	30.0
Bromobenzene	Ave	0.8566	0.8654		5.05	5.00	1.0	30.0
trans-1,4-Dichloro-2-butene	Ave	0.1566	0.1580		25.2	25.0	0.9	30.0
1,2,3-Trichloropropane	Ave	0.1578	0.1589		5.03	5.00	0.7	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Lab Sample ID: ICV 410-452392/21 Calibration Date: 12/12/2023 00:25

Instrument ID: 10193 Calib Start Date: 12/11/2023 21:27

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 12/11/2023 23:41

Lab File ID: CD11X20.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Propylbenzene	Ave	3.786	3.953		5.22	5.00	4.4	30.0
2-Chlorotoluene	Ave	0.8239	0.8336		5.06	5.00	1.2	30.0
1,3,5-Trimethylbenzene	Ave	2.821	2.905		5.15	5.00	3.0	30.0
4-Chlorotoluene	Ave	0.8634	0.8645		5.01	5.00	0.1	30.0
tert-Butylbenzene	Ave	0.6521	0.6724		5.16	5.00	3.1	30.0
Pentachloroethane	Ave	0.5010	0.5359		5.35	5.00	7.0	30.0
1,2,4-Trimethylbenzene	Ave	2.903	2.982		5.14	5.00	2.7	30.0
sec-Butylbenzene	Ave	3.556	3.756		5.28	5.00	5.6	30.0
1,3-Dichlorobenzene	Ave	1.705	1.739	0.6000	5.10	5.00	2.0	30.0
p-Isopropyltoluene	Ave	3.210	3.282		5.11	5.00	2.2	30.0
1,4-Dichlorobenzene	Ave	1.730	1.761	0.5000	5.09	5.00	1.8	30.0
1,2,3-Trimethylbenzene	Ave	1.334	1.275		4.78	5.00	-4.4	30.0
Benzyl chloride	Ave	0.2318	0.2293		4.95	5.00	-1.1	30.0
n-Butylbenzene	Ave	1.553	1.600		5.15	5.00	3.0	30.0
1,2-Dichlorobenzene	Ave	1.556	1.578	0.4000	5.07	5.00	1.4	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0817	0.0776	0.0500	4.75	5.00	-5.0	30.0
1,3,5-Trichlorobenzene	Ave	1.262	1.282		5.08	5.00	1.5	30.0
1,2,4-Trichlorobenzene	Ave	0.9748	1.017	0.2000	5.22	5.00	4.3	30.0
Hexachlorobutadiene	Ave	0.5229	0.5629		5.38	5.00	7.6	30.0
Naphthalene	Ave	1.444	1.506		5.22	5.00	4.3	30.0
1,2,3-Trichlorobenzene	Ave	0.7129	0.7309		5.13	5.00	2.5	30.0
Dibromofluoromethane (Surr)	Ave	0.2230	0.2248		10.1	10.0	0.8	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0451	0.0456		10.1	10.0	1.1	30.0
Toluene-d8 (Surr)	Ave	1.264	1.267		10.0	10.0	0.2	30.0
4-Bromofluorobenzene (Surr)	Ave	0.5076	0.5153		10.2	10.0	1.5	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X20.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 12-Dec-2023 00:25:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0101546-021
Misc. Info.: ICV
Operator ID: gaw91131 Instrument ID: 10193
Sublist:

Method: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 14-Dec-2023 10:50:38 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1690

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.830	1.817	0.013	99	327015	5.00	4.98	
5 Chloromethane	50	2.006	2.000	0.006	99	386012	5.00	4.69	
6 Vinyl chloride	62	2.116	2.110	0.006	98	374911	5.00	5.00	
7 Butadiene	39	2.122	2.110	0.012	94	344919	5.00	4.56	
9 Bromomethane	94	2.421	2.409	0.012	90	255734	5.00	4.94	
10 Chloroethane	64	2.482	2.470	0.012	100	212337	5.00	5.11	
11 Dichlorofluoromethane	67	2.714	2.701	0.013	97	518191	5.00	4.57	
12 Trichlorofluoromethane	101	2.775	2.762	0.012	98	422929	5.00	5.18	
13 Pentane	43	2.775	2.762	0.012	96	423122	5.00	4.90	
14 Ethyl ether	59	2.964	2.957	0.007	92	232093	4.99	5.22	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.061	3.055	0.006	92	318648	5.00	4.94	
17 Acrolein	56	3.122	3.110	0.012	100	246340	37.5	40.7	
18 1,1-Dichloroethene	96	3.244	3.232	0.012	98	243802	5.00	5.29	
20 Acetone	43	3.274	3.268	0.006	100	454755	62.5	64.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.293	3.287	0.006	90	228382	5.00	4.71	
22 Iodomethane	142	3.415	3.409	0.007	98	463484	5.00	4.80	
24 Isopropyl alcohol	45	3.433	3.421	0.012	33	54658	37.5	34.6	
23 Ethyl bromide	108	3.445	3.433	0.012	98	208590	4.89	4.83	
25 Carbon disulfide	76	3.506	3.500	0.006	99	773565	5.00	4.82	
26 Methyl acetate	43	3.652	3.646	0.006	97	108741	5.00	4.54	
29 3-Chloro-1-propene	41	3.671	3.665	0.006	92	410271	5.00	4.75	
30 Methylene Chloride	84	3.841	3.829	0.012	93	271318	5.00	5.01	
* 31 t-Butyl alcohol-d10 (IS)	65	3.860	3.841	0.019	96	135137	50.0	50.0	M
32 2-Methyl-2-propanol	59	3.969	3.969	0.000	100	147067	50.0	48.0	
33 Acrylonitrile	53	4.164	4.152	0.012	99	277762	25.0	25.0	
35 trans-1,2-Dichloroethene	96	4.213	4.201	0.012	98	281813	5.00	5.13	
34 Methyl tert-butyl ether	73	4.213	4.207	0.006	90	716070	5.00	4.77	
36 Hexane	57	4.640	4.628	0.012	93	379199	5.00	5.10	
37 1,1-Dichloroethane	63	4.878	4.872	0.006	96	518738	5.00	5.15	
39 Isopropyl ether	45	4.945	4.933	0.012	94	911728	5.00	4.86	
40 2-Chloro-1,3-butadiene	53	4.987	4.975	0.012	91	423472	5.00	5.11	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	5.481	5.481	0.000	98	890822	5.00	4.98	
42 2-Butanone (MEK)	43	5.695	5.682	0.013	100	938256	62.5	62.3	
43 cis-1,2-Dichloroethene	96	5.719	5.719	0.000	82	318271	5.00	5.14	
44 2,2-Dichloropropane	77	5.737	5.731	0.006	87	415417	5.00	4.97	
45 Propionitrile	54	5.798	5.780	0.018	98	138768	37.5	36.6	
47 Methacrylonitrile	67	5.999	5.999	0.000	93	584692	37.5	40.7	
48 Chlorobromomethane	128	6.054	6.048	0.006	93	146626	5.00	5.28	
49 Tetrahydrofuran	71	6.054	6.054	0.000	90	108407	25.0	25.0	
50 Chloroform	83	6.213	6.213	0.000	94	501291	5.00	4.90	
$ 54 Dibromofluoromethane (Surr)	113	6.432	6.426	0.006	94	464441	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.438	6.432	0.006	97	454235	5.00	5.34	
55 Cyclohexane	56	6.530	6.530	0.000	92	477456	5.00	5.10	
56 Carbon tetrachloride	117	6.646	6.640	0.006	97	403647	5.00	5.39	
57 1,1-Dichloropropene	75	6.652	6.646	0.006	96	397114	5.00	5.21	
58 Isobutyl alcohol	41	6.841	6.841	0.000	92	131715	125.0	119.6	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.890	6.890	0.000	99	94274	10.0	10.1	
60 Benzene	78	6.920	6.914	0.006	97	1187045	5.00	5.06	
61 1,2-Dichloroethane	62	6.993	6.987	0.006	97	312347	5.00	4.95	
64 Tert-amyl methyl ether	73	7.127	7.121	0.006	98	798471	5.00	4.91	
* 65 Fluorobenzene (IS)	96	7.335	7.328	0.007	99	2065699	10.0	10.0	
66 n-Heptane	43	7.353	7.347	0.006	95	417124	5.00	5.26	
67 n-Butanol	56	7.749	7.743	0.006	89	238338	250.0	255.6	
68 Trichloroethene	95	7.816	7.816	0.000	97	310656	5.00	5.13	
69 Methylcyclohexane	83	8.127	8.127	0.000	91	516364	5.00	5.25	
70 1,2-Dichloropropane	63	8.164	8.158	0.006	97	309770	5.00	5.08	
71 2-ethoxy-2-methyl butane	87	8.188	8.182	0.006	93	457977	5.00	4.71	
74 1,4-Dioxane	88	8.261	8.261	0.000	29	25087	125.0	132.5	M
73 Methyl methacrylate	69	8.267	8.261	0.006	93	147544	5.00	5.08	
72 Dibromomethane	93	8.267	8.267	0.000	94	149564	5.00	5.04	
76 Dichlorobromomethane	83	8.517	8.517	0.000	99	366329	5.00	5.18	
77 2-Nitropropane	41	8.810	8.810	0.000	99	39362	5.00	4.80	
78 1-Bromo-2-chloroethane	63	8.914	8.914	0.000	99	320675	5.00	5.14	
80 cis-1,3-Dichloropropene	75	9.090	9.090	0.000	95	454570	5.00	4.91	
82 4-Methyl-2-pentanone (MIBK)	43	9.292	9.292	0.000	97	2439643	62.5	64.9	
$ 83 Toluene-d8 (Surr)	98	9.420	9.413	0.007	93	2019953	10.0	10.0	
84 Toluene	92	9.499	9.499	0.000	98	783876	5.00	5.11	
85 trans-1,3-Dichloropropene	75	9.779	9.779	0.000	93	401582	5.00	5.10	
86 Ethyl methacrylate	69	9.858	9.858	0.000	90	328610	5.00	5.01	
87 1,1,2-Trichloroethane	97	9.993	9.993	0.000	90	218438	5.00	5.02	
88 Tetrachloroethene	166	10.072	10.072	0.000	98	377315	5.00	5.33	
89 1,3-Dichloropropane	76	10.163	10.163	0.000	91	379342	5.00	5.07	
106 2-Hexanone	43	10.230	10.230	0.000	97	1818333	62.5	65.7	
108 Chlorodibromomethane	129	10.383	10.383	0.000	90	281537	5.00	5.30	
110 Ethylene Dibromide	107	10.493	10.492	0.001	99	214192	5.00	5.07	
* 111 Chlorobenzene-d5 (IS)	117	10.950	10.944	0.006	85	1594445	10.0	10.0	
112 1-Chlorohexane	91	10.968	10.968	0.000	98	413323	5.00	4.84	
113 Chlorobenzene	112	10.974	10.974	0.000	96	921880	5.00	5.15	
115 Ethylbenzene	91	11.072	11.066	0.006	98	1552425	5.00	5.19	
114 1,1,1,2-Tetrachloroethane	131	11.066	11.066	0.000	96	324257	5.00	5.24	
116 m-Xylene & p-Xylene	106	11.188	11.187	0.001	97	1237693	10.0	10.3	
118 o-Xylene	106	11.529	11.529	0.000	96	615716	5.00	5.14	
119 Styrene	104	11.547	11.541	0.006	95	1031195	5.00	5.25	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 Bromoform	173	11.700	11.700	0.000	97	172413	5.00	5.19	
121 Isopropylbenzene	105	11.840	11.840	0.000	95	1622667	5.00	5.68	
$ 124 4-Bromofluorobenzene (Surr)	95	11.986	11.980	0.006	94	821671	10.0	10.2	
126 1,1,2,2-Tetrachloroethane	83	12.096	12.096	0.000	86	275430	5.00	4.97	
125 Bromobenzene	156	12.102	12.102	0.000	89	413630	5.00	5.05	
127 trans-1,4-Dichloro-2-butene	53	12.126	12.120	0.006	92	377694	25.0	25.2	
128 1,2,3-Trichloropropane	110	12.139	12.139	0.001	81	75939	5.00	5.03	
129 N-Propylbenzene	91	12.175	12.175	0.000	99	1889620	5.00	5.22	
130 2-Chlorotoluene	126	12.248	12.248	0.000	97	398448	5.00	5.06	
131 1,3,5-Trimethylbenzene	105	12.321	12.321	0.000	94	1388685	5.00	5.15	
132 4-Chlorotoluene	126	12.346	12.346	0.000	97	413190	5.00	5.01	
133 tert-Butylbenzene	134	12.565	12.565	0.000	93	321398	5.00	5.16	
134 Pentachloroethane	167	12.596	12.596	0.000	91	256134	5.00	5.35	
135 1,2,4-Trimethylbenzene	105	12.608	12.608	0.000	97	1425395	5.00	5.14	
136 sec-Butylbenzene	105	12.730	12.730	0.000	94	1795277	5.00	5.28	
137 1,3-Dichlorobenzene	146	12.827	12.827	0.000	98	831288	5.00	5.10	
138 4-Isopropyltoluene	119	12.846	12.846	0.000	97	1568776	5.00	5.11	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	955934	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.901	12.901	0.000	96	841841	5.00	5.09	
141 1,2,3-Trimethylbenzene	120	12.919	12.919	0.000	97	609305	5.00	4.78	
142 Benzyl chloride	126	12.986	12.986	0.000	98	109612	5.00	4.95	
145 p-Diethylbenzene	119	13.120	13.120	0.000	93	982269	5.00	5.18	
143 n-Butylbenzene	92	13.138	13.138	0.000	96	764829	5.00	5.15	
144 1,2-Dichlorobenzene	146	13.169	13.169	0.000	99	754044	5.00	5.07	
148 1,2-Dibromo-3-Chloropropane	155	13.724	13.717	0.007	89	37101	5.00	4.75	
149 1,3,5-Trichlorobenzene	180	13.846	13.845	0.001	98	612549	5.00	5.08	
150 1,2,4-Trichlorobenzene	180	14.272	14.272	0.000	94	486131	5.00	5.22	
151 Hexachlorobutadiene	225	14.364	14.364	0.000	96	269051	5.00	5.38	
152 Naphthalene	128	14.455	14.455	0.000	97	719867	5.00	5.22	
153 1,2,3-Trichlorobenzene	180	14.601	14.601	0.000	96	349365	5.00	5.13	
154 2-Methylnaphthalene	142	15.217	15.217	0.000	92	211520	5.00	5.70	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00143	Amount Added: 12.50	Units: uL	
MSV_QC_Gas826_00173	Amount Added: 12.50	Units: uL	
MSV_LCS_EE_00008	Amount Added: 12.50	Units: uL	
LCS_ETBR_00007	Amount Added: 12.50	Units: uL	
MSV_LCS_ACROL_00144	Amount Added: 12.50	Units: uL	
MSV_LCS_Penta_00036	Amount Added: 12.50	Units: uL	
MSV_29_826ISS_00052	Amount Added: 1.00	Units: uL	Run Reagent

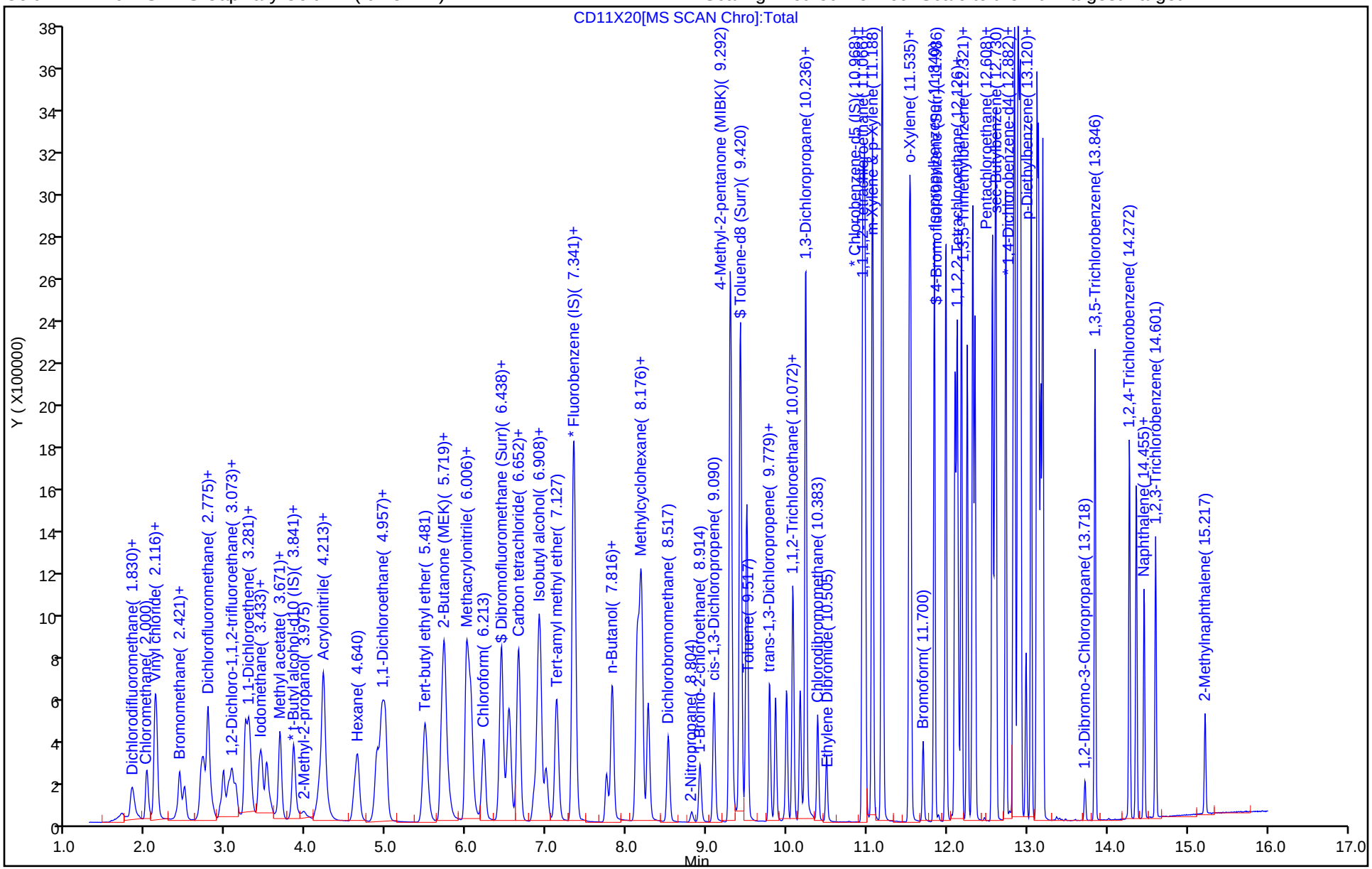
Report Date: 16-Jan-2024 13:23:19 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X20.D

Injection Date:	12-Dec-2023 00:25:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	ICV			Worklist Smp#:	21
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

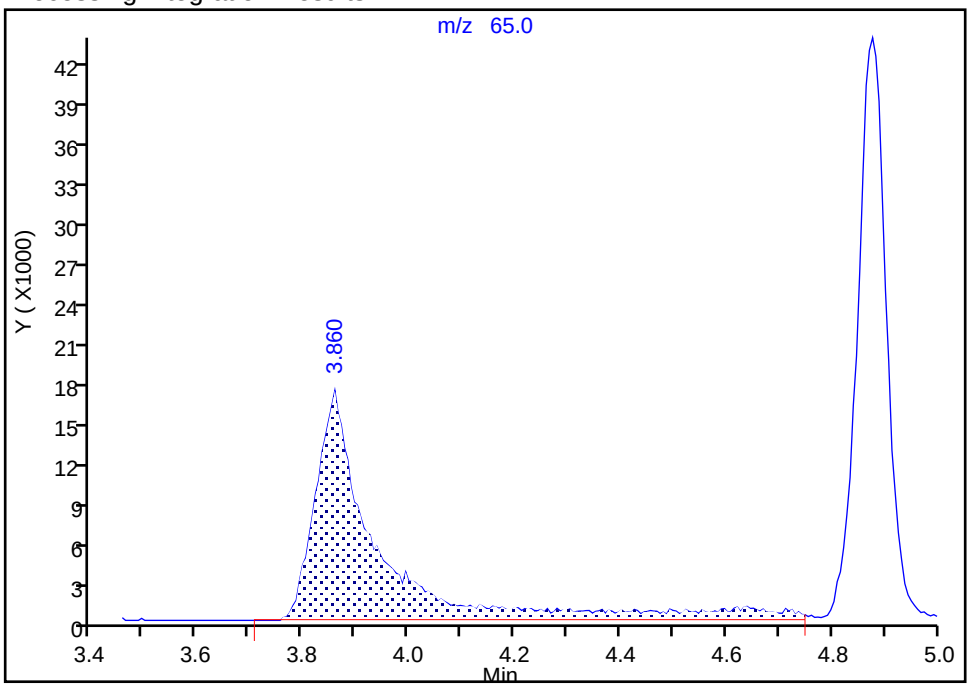
Data File:	\\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X20.D				
Injection Date:	12-Dec-2023 00:25:30	Instrument ID:	10193		
Lims ID:	ICV				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 31 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

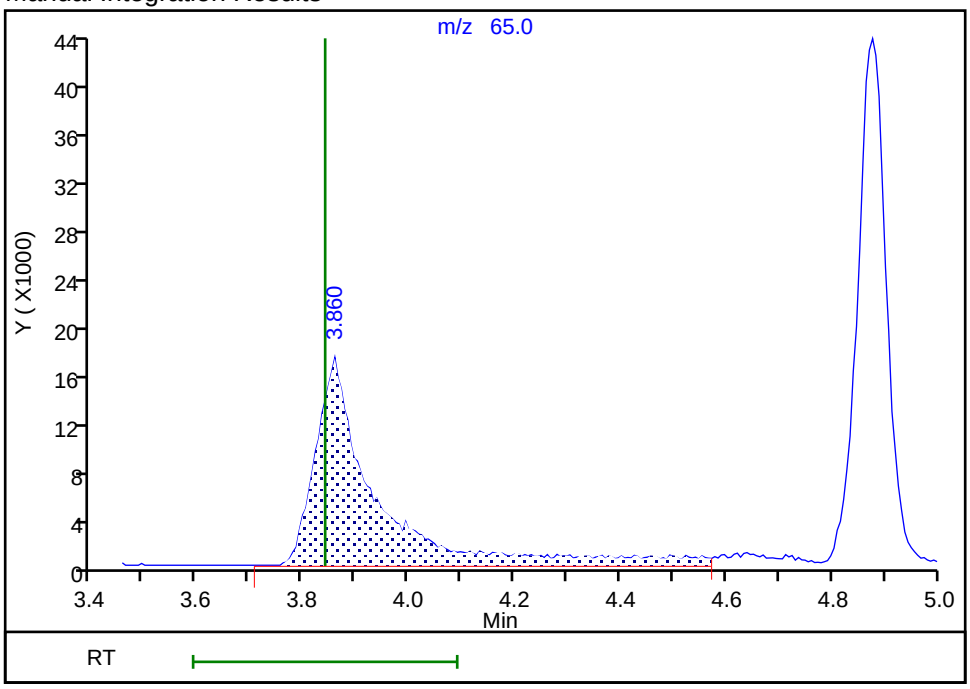
Processing Integration Results

RT: 3.86
Area: 142733
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.86
Area: 135137
Amount: 50.000000
Amount Units: ug/l



Reviewer: UKEK, 14-Dec-2023 10:38:13 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

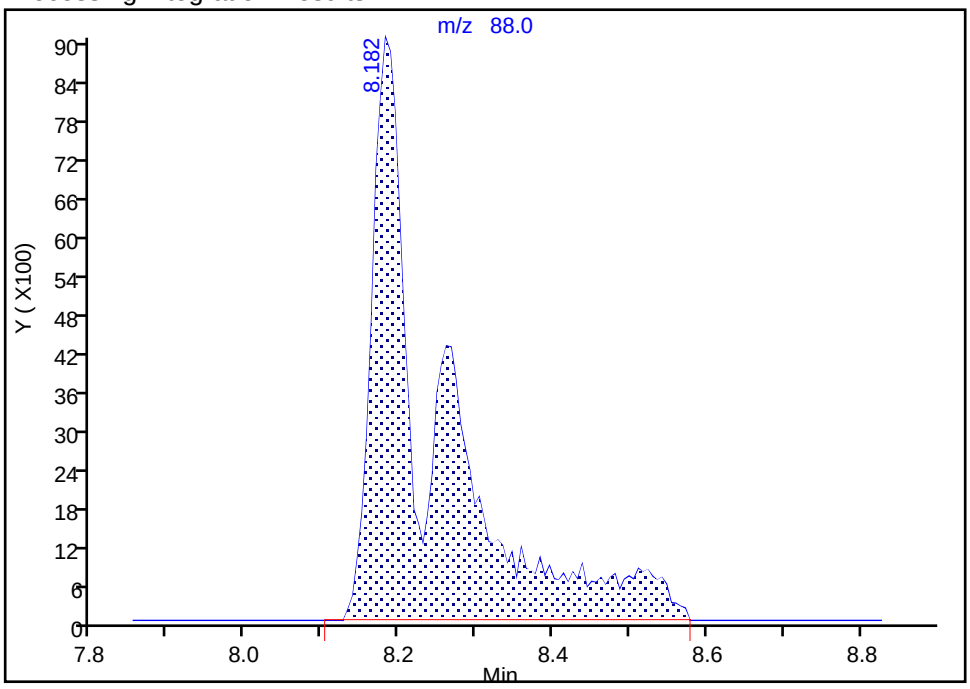
Data File:	\\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X20.D				
Injection Date:	12-Dec-2023 00:25:30	Instrument ID:	10193		
Lims ID:	ICV				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

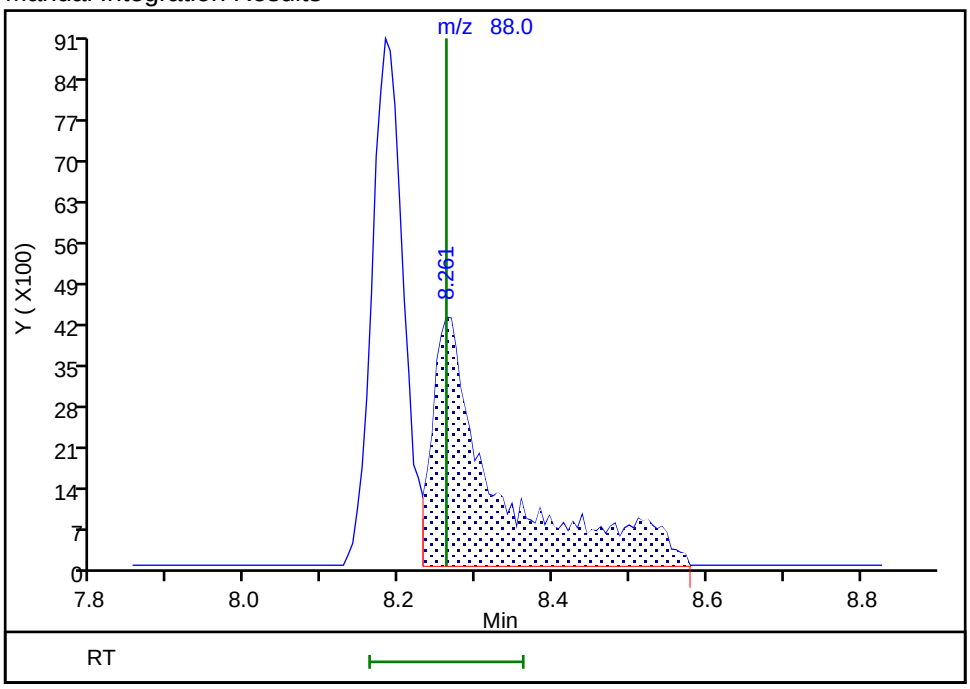
Processing Integration Results

RT: 8.18
Area: 50225
Amount: 268.3509
Amount Units: ug/l



Manual Integration Results

RT: 8.26
Area: 25087
Amount: 132.4521
Amount Units: ug/l



Reviewer: DVW2, 12-Dec-2023 11:12:17 -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.: 410-164764-1

SDG No.:

Lab Sample ID: CCVIS 410-486836/3 Calibration Date: 03/25/2024 19:38

Instrument ID: 10193 Calib Start Date: 12/11/2023 21:27

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 12/11/2023 23:41

Lab File ID: CM25X02.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	0.3182	0.3493	0.1000	11.0	10.0	9.8	20.0
Chloromethane	Ave	0.3985	0.4129	0.1000	10.4	10.0	3.6	20.0
Vinyl chloride	Ave	0.3631	0.3694	0.1000	10.2	10.0	1.7	20.0
1,3-Butadiene	Ave	0.3661	0.4335		11.8	10.0	18.4	20.0
Bromomethane	Ave	0.2506	0.2553	0.1000	10.2	10.0	1.9	20.0
Chloroethane	Ave	0.2013	0.2100	0.1000	10.4	10.0	4.3	20.0
Dichlorofluoromethane	Ave	0.5484	0.5710		10.4	10.0	4.1	20.0
Trichlorofluoromethane	Ave	0.3950	0.4598	0.1000	11.6	10.0	16.4	20.0
Ethyl ether	Ave	0.2151	0.2204		10.2	10.0	2.4	20.0
Freon 123a	Ave	0.3125	0.3223		10.3	10.0	3.1	20.0
Acrolein	Ave	2.241	2.431		542	500	8.5	20.0
1,1-Dichloroethene	Ave	0.2231	0.2401	0.1000	10.8	10.0	7.6	20.0
Acetone	Ave	2.617	3.232	0.1000	123	100	23.5*	20.0
Freon 113	Ave	0.2347	0.2617	0.1000	11.2	10.0	11.5	20.0
Methyl iodide	Ave	0.4675	0.4775		10.2	10.0	2.1	20.0
Ethyl bromide	Ave	0.2093	0.2161		10.3	10.0	3.3	20.0
Carbon disulfide	Ave	0.7774	0.8653	0.1000	11.1	10.0	11.3	20.0
Methyl acetate	Ave	8.866	9.630	0.1000	10.9	10.0	8.6	20.0
Allyl chloride	Ave	0.4181	0.4690		11.2	10.0	12.2	20.0
Methylene Chloride	Ave	0.2621	0.2736	0.1000	10.4	10.0	4.4	20.0
t-Butyl alcohol	Ave	1.133	0.9651		170	200	-14.8	20.0
Acrylonitrile	Ave	4.115	4.239		25.8	25.0	3.0	20.0
Methyl tert-butyl ether	Ave	0.7272	0.6939	0.1000	9.54	10.0	-4.6	20.0
trans-1,2-Dichloroethene	Ave	0.2657	0.2733	0.1000	10.3	10.0	2.9	20.0
n-Hexane	Ave	0.3597	0.3681		10.2	10.0	2.3	20.0
1,1-Dichloroethane	Ave	0.4873	0.5018	0.2000	10.3	10.0	3.0	20.0
di-Isopropyl ether	Ave	0.9088	0.9300		10.2	10.0	2.3	20.0
2-Chloro-1,3-butadiene	Ave	0.4013	0.4158		10.4	10.0	3.6	20.0
Ethyl t-butyl ether	Ave	0.8652	0.8097		9.36	10.0	-6.4	20.0
2-Butanone (MEK)	Ave	5.575	5.733	0.1000	103	100	2.8	20.0
cis-1,2-Dichloroethene	Ave	0.2996	0.3100	0.1000	10.3	10.0	3.5	20.0
2,2-Dichloropropane	Ave	0.4045	0.3978		9.84	10.0	-1.6	20.0
Propionitrile	Ave	1.403	1.576		225	200	12.3	20.0
Methacrylonitrile	Ave	5.314	5.868		110	100	10.4	20.0
Bromochloromethane	Ave	0.1343	0.1427		10.6	10.0	6.3	20.0
Tetrahydrofuran	Ave	1.604	1.595		49.7	50.0	-0.6	20.0
Chloroform	Ave	0.4954	0.4939	0.2000	9.97	10.0	-0.3	20.0
1,1,1-Trichloroethane	Ave	0.4118	0.4206	0.1000	10.2	10.0	2.2	20.0
Cyclohexane	Ave	0.4535	0.4697	0.1000	10.4	10.0	3.6	20.0
Carbon tetrachloride	Ave	0.3625	0.3833	0.1000	10.6	10.0	5.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Lab Sample ID: CCVIS 410-486836/3 Calibration Date: 03/25/2024 19:38

Instrument ID: 10193 Calib Start Date: 12/11/2023 21:27

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 12/11/2023 23:41

Lab File ID: CM25X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1-Dichloropropene	Ave	0.3693	0.3822		10.3	10.0	3.5	20.0
Isobutyl alcohol	Ave	0.4074	0.4039		496	500	-0.9	20.0
Benzene	Ave	1.135	1.172	0.5000	10.3	10.0	3.3	20.0
1,2-Dichloroethane	Ave	0.3053	0.3211	0.1000	10.5	10.0	5.2	20.0
t-Amyl methyl ether	Ave	0.7865	0.7488		9.52	10.0	-4.8	20.0
n-Heptane	Ave	0.3839	0.4178		10.9	10.0	8.8	20.0
n-Butanol	Ave	0.3450	0.3700		938	875	7.2	20.0
Trichloroethene	Ave	0.2934	0.3038	0.2000	10.4	10.0	3.5	20.0
Methylcyclohexane	Ave	0.4759	0.4944	0.1000	10.4	10.0	3.9	20.0
1,2-Dichloropropane	Ave	0.2950	0.3056	0.1000	10.4	10.0	3.6	20.0
1,4-Dioxane	Ave	0.0701	0.0884	0.0050	631	500	26.1*	20.0
Methyl methacrylate	Ave	10.75	11.40		10.6	10.0	6.0	20.0
Dibromomethane	Ave	0.1436	0.1509		10.5	10.0	5.1	20.0
Bromodichloromethane	Ave	0.3426	0.3677	0.2000	10.7	10.0	7.3	20.0
2-Nitropropane	Ave	3.031	3.275		54.0	50.0	8.0	20.0
1-Bromo-2-chloroethane	Ave	0.3023	0.3178		10.5	10.0	5.1	20.0
cis-1,3-Dichloropropene	Ave	0.4478	0.4651	0.2000	10.4	10.0	3.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	13.91	15.24	0.1000	110	100	9.5	20.0
Toluene	Ave	0.9615	0.9893	0.4000	10.3	10.0	2.9	20.0
trans-1,3-Dichloropropene	Ave	0.4941	0.5082	0.1000	10.3	10.0	2.9	20.0
Ethyl methacrylate	Ave	0.4116	0.4142		10.1	10.0	0.6	20.0
1,1,2-Trichloroethane	Ave	0.2731	0.2830	0.1000	10.4	10.0	3.6	20.0
Tetrachloroethene	Ave	0.4436	0.4655	0.2000	10.5	10.0	4.9	20.0
1,3-Dichloropropane	Ave	0.4691	0.4878		10.4	10.0	4.0	20.0
2-Hexanone	Ave	10.24	11.47	0.1000	112	100	12.0	20.0
Dibromochloromethane	Ave	0.3331	0.3728		11.2	10.0	11.9	20.0
1,2-Dibromoethane (EDB)	Ave	0.2651	0.2734	0.1000	10.3	10.0	3.1	20.0
1-Chlorohexane	Ave	0.5356	0.5169		9.65	10.0	-3.5	20.0
Chlorobenzene	Ave	1.123	1.163	0.5000	10.4	10.0	3.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3881	0.4114		10.6	10.0	6.0	20.0
Ethylbenzene	Ave	1.877	1.949	0.1000	10.4	10.0	3.8	20.0
m&p-Xylene	Ave	0.7548	0.7894	0.1000	20.9	20.0	4.6	20.0
o-Xylene	Ave	0.7520	0.7755	0.3000	10.3	10.0	3.1	20.0
Styrene	Ave	1.233	1.308	0.3000	10.6	10.0	6.1	20.0
Bromoform	Ave	0.2084	0.2321	0.1000	11.1	10.0	11.4	20.0
Isopropylbenzene	Ave	1.790	1.843	0.1000	10.3	10.0	2.9	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5797	0.5795	0.3000	10.0	10.0	-0.0	20.0
Bromobenzene	Ave	0.8566	0.8513		9.94	10.0	-0.6	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1566	0.1586		101	100	1.2	20.0
1,2,3-Trichloropropane	Ave	0.1578	0.1573		9.97	10.0	-0.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Lab Sample ID: CCVIS 410-486836/3 Calibration Date: 03/25/2024 19:38

Instrument ID: 10193 Calib Start Date: 12/11/2023 21:27

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 12/11/2023 23:41

Lab File ID: CM25X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Propylbenzene	Ave	3.786	3.754		9.91	10.0	-0.9	20.0
2-Chlorotoluene	Ave	0.8239	0.8010		9.72	10.0	-2.8	20.0
1,3,5-Trimethylbenzene	Ave	2.821	2.814		9.97	10.0	-0.3	20.0
4-Chlorotoluene	Ave	0.8634	0.8413		9.74	10.0	-2.6	20.0
tert-Butylbenzene	Ave	0.6521	0.6412		9.83	10.0	-1.7	20.0
Pentachloroethane	Ave	0.5010	0.5238		10.5	10.0	4.5	20.0
1,2,4-Trimethylbenzene	Ave	2.903	2.908		10.0	10.0	0.2	20.0
sec-Butylbenzene	Ave	3.556	3.596		10.1	10.0	1.1	20.0
1,3-Dichlorobenzene	Ave	1.705	1.688	0.6000	9.90	10.0	-1.0	20.0
p-Isopropyltoluene	Ave	3.210	3.231		10.1	10.0	0.6	20.0
1,4-Dichlorobenzene	Ave	1.730	1.738	0.5000	10.0	10.0	0.5	20.0
1,2,3-Trimethylbenzene	Ave	1.334	1.330		9.97	10.0	-0.3	20.0
Benzyl chloride	Ave	0.2318	0.2590		11.2	10.0	11.7	20.0
n-Butylbenzene	Ave	1.553	1.574		10.1	10.0	1.3	20.0
1,2-Dichlorobenzene	Ave	1.556	1.557	0.4000	10.0	10.0	0.0	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0817	0.0824	0.0500	10.1	10.0	0.9	20.0
1,3,5-Trichlorobenzene	Ave	1.262	1.250		9.90	10.0	-1.0	20.0
1,2,4-Trichlorobenzene	Ave	0.9748	0.9873	0.2000	10.1	10.0	1.3	20.0
Hexachlorobutadiene	Ave	0.5229	0.5092		9.74	10.0	-2.6	20.0
Naphthalene	Ave	1.444	1.557		10.8	10.0	7.9	20.0
1,2,3-Trichlorobenzene	Ave	0.7129	0.7536		10.6	10.0	5.7	20.0
Dibromofluoromethane (Surr)	Ave	0.2230	0.2403		10.8	10.0	7.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0451	0.0510		11.3	10.0	13.0	20.0
Toluene-d8 (Surr)	Ave	1.264	1.335		10.6	10.0	5.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5076	0.4917		9.69	10.0	-3.1	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X02.D
Lims ID: CCVIS VSTD10
Client ID:
Sample Type: CCVIS
Inject. Date: 25-Mar-2024 19:38:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109513-003
Misc. Info.: CCVIS
Operator ID: gaw91131 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 25-Mar-2024 21:39:35 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1633

First Level Reviewer: JS6E Date: 25-Mar-2024 20:30:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.823	1.823	0.000	99	687149	10.0	11.0	
5 Chloromethane	50	2.000	2.000	0.000	99	812336	10.0	10.4	
6 Vinyl chloride	62	2.104	2.104	0.000	98	726615	10.0	10.2	
7 Butadiene	39	2.116	2.116	0.000	94	852843	10.0	11.8	
9 Bromomethane	94	2.402	2.402	0.000	90	502262	10.0	10.2	
10 Chloroethane	64	2.470	2.470	0.000	99	413160	10.0	10.4	
11 Dichlorofluoromethane	67	2.701	2.701	0.000	97	1123316	10.0	10.4	
12 Trichlorofluoromethane	101	2.762	2.762	0.000	97	904488	10.0	11.6	
13 Pentane	43	2.768	2.768	0.000	96	964696	10.0	11.7	
14 Ethyl ether	59	2.957	2.957	0.000	94	433612	10.0	10.2	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.055	3.055	0.000	93	634050	10.0	10.3	
17 Acrolein	56	3.110	3.110	0.000	99	3088051	500.0	542.3	
18 1,1-Dichloroethene	96	3.232	3.232	0.000	97	472235	10.0	10.8	
20 Acetone	43	3.262	3.262	0.000	100	821333	100.0	123.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.280	3.280	0.000	91	514901	10.0	11.2	
22 Iodomethane	142	3.408	3.408	0.000	99	939270	10.0	10.2	
24 Isopropyl alcohol	45	3.421	3.421	0.000	41	345744	200.0	232.9	
23 Ethyl bromide	108	3.433	3.433	0.000	98	425198	10.0	10.3	
25 Carbon disulfide	76	3.494	3.494	0.000	100	1702153	10.0	11.1	
26 Methyl acetate	43	3.640	3.640	0.000	98	244726	10.0	10.9	M
29 3-Chloro-1-propene	41	3.658	3.658	0.000	92	922593	10.0	11.2	
* 31 t-Butyl alcohol-d10 (IS)	65	3.829	3.829	0.000	36	127058	50.0	50.0	M
30 Methylene Chloride	84	3.835	3.835	0.000	93	538215	10.0	10.4	
32 2-Methyl-2-propanol	59	3.957	3.957	0.000	99	490470	200.0	170.4	
33 Acrylonitrile	53	4.146	4.146	0.000	99	269307	25.0	25.8	
34 Methyl tert-butyl ether	73	4.195	4.195	0.000	96	1365125	10.0	9.54	
35 trans-1,2-Dichloroethene	96	4.201	4.201	0.000	99	537678	10.0	10.3	
36 Hexane	57	4.628	4.628	0.000	95	724170	10.0	10.2	
37 1,1-Dichloroethane	63	4.865	4.865	0.000	96	987181	10.0	10.3	
39 Isopropyl ether	45	4.926	4.926	0.000	94	1829497	10.0	10.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.975	4.975	0.000	91	817886	10.0	10.4	
41 Tert-butyl ethyl ether	59	5.469	5.469	0.000	97	1592803	10.0	9.36	
42 2-Butanone (MEK)	43	5.682	5.682	0.000	100	1456793	100.0	102.8	
43 cis-1,2-Dichloroethene	96	5.713	5.713	0.000	82	609858	10.0	10.3	
44 2,2-Dichloropropane	77	5.725	5.725	0.000	88	782550	10.0	9.84	
45 Propionitrile	54	5.774	5.774	0.000	99	800761	200.0	224.5	
47 Methacrylonitrile	67	5.999	5.999	0.000	93	1491095	100.0	110.4	
48 Chlorobromomethane	128	6.042	6.042	0.000	93	280812	10.0	10.6	
49 Tetrahydrofuran	71	6.048	6.048	0.000	85	202617	50.0	49.7	
50 Chloroform	83	6.207	6.207	0.000	93	971695	10.0	9.97	
$ 54 Dibromofluoromethane (Surr)	113	6.426	6.426	0.000	94	472660	10.0	10.8	
53 1,1,1-Trichloroethane	97	6.432	6.432	0.000	98	827437	10.0	10.2	
55 Cyclohexane	56	6.530	6.530	0.000	91	924063	10.0	10.4	
56 Carbon tetrachloride	117	6.639	6.639	0.000	97	753964	10.0	10.6	
57 1,1-Dichloropropene	75	6.646	6.646	0.000	97	751802	10.0	10.3	
58 Isobutyl alcohol	41	6.828	6.828	0.000	93	513147	500.0	495.7	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.883	6.883	0.000	98	100332	10.0	11.3	
60 Benzene	78	6.914	6.914	0.000	97	2305236	10.0	10.3	
61 1,2-Dichloroethane	62	6.987	6.987	0.000	97	631741	10.0	10.5	
64 Tert-amyl methyl ether	73	7.115	7.115	0.000	98	1473033	10.0	9.52	
* 65 Fluorobenzene (IS)	96	7.328	7.328	0.000	97	1967223	10.0	10.0	
66 n-Heptane	43	7.347	7.347	0.000	95	821992	10.0	10.9	
67 n-Butanol	56	7.737	7.737	0.000	90	822743	875.0	938.4	
68 Trichloroethene	95	7.816	7.816	0.000	97	597588	10.0	10.4	
69 Methylcyclohexane	83	8.121	8.121	0.000	92	972633	10.0	10.4	
70 1,2-Dichloropropane	63	8.157	8.157	0.000	97	601207	10.0	10.4	
71 2-ethoxy-2-methyl butane	87	8.176	8.176	0.000	93	904145	10.0	9.76	
74 1,4-Dioxane	88	8.243	8.243	0.000	87	112292	500.0	630.6	M
73 Methyl methacrylate	69	8.255	8.255	0.000	92	289621	10.0	10.6	
72 Dibromomethane	93	8.267	8.267	0.000	93	296929	10.0	10.5	
76 Dichlorobromomethane	83	8.517	8.517	0.000	99	723275	10.0	10.7	
77 2-Nitropropane	41	8.804	8.804	0.000	99	416108	50.0	54.0	
78 1-Bromo-2-chloroethane	63	8.907	8.907	0.000	99	625104	10.0	10.5	
80 cis-1,3-Dichloropropene	75	9.084	9.084	0.000	97	914893	10.0	10.4	
82 4-Methyl-2-pentanone (MIBK)	43	9.291	9.291	0.000	97	3871933	100.0	109.5	
$ 83 Toluene-d8 (Surr)	98	9.413	9.413	0.000	93	2043047	10.0	10.6	
84 Toluene	92	9.493	9.493	0.000	98	1513688	10.0	10.3	
85 trans-1,3-Dichloropropene	75	9.779	9.779	0.000	92	777543	10.0	10.3	
86 Ethyl methacrylate	69	9.852	9.852	0.000	90	633685	10.0	10.1	
87 1,1,2-Trichloroethane	97	9.992	9.992	0.000	90	432938	10.0	10.4	
88 Tetrachloroethene	166	10.072	10.072	0.000	98	712215	10.0	10.5	
89 1,3-Dichloropropane	76	10.163	10.163	0.000	91	746347	10.0	10.4	
106 2-Hexanone	43	10.224	10.224	0.000	97	2914387	100.0	112.0	
108 Chlorodibromomethane	129	10.377	10.377	0.000	90	570415	10.0	11.2	
110 Ethylene Dibromide	107	10.486	10.486	0.000	99	418290	10.0	10.3	
* 111 Chlorobenzene-d5 (IS)	117	10.943	10.943	0.000	85	1530001	10.0	10.0	
112 1-Chlorohexane	91	10.962	10.962	0.000	97	790857	10.0	9.65	
113 Chlorobenzene	112	10.974	10.974	0.000	98	1779715	10.0	10.4	
114 1,1,1,2-Tetrachloroethane	131	11.059	11.059	0.000	96	629449	10.0	10.6	
115 Ethylbenzene	91	11.065	11.065	0.000	98	2982407	10.0	10.4	
116 m-Xylene & p-Xylene	106	11.187	11.187	0.000	97	2415485	20.0	20.9	
118 o-Xylene	106	11.523	11.523	0.000	96	1186591	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
119 Styrene	104	11.541	11.541	0.000	95	2001778	10.0	10.6	
120 Bromoform	173	11.693	11.693	0.000	98	355106	10.0	11.1	
121 Isopropylbenzene	105	11.834	11.834	0.000	95	2819776	10.0	10.3	
$ 124 4-Bromofluorobenzene (Surr)	95	11.980	11.980	0.000	94	752318	10.0	9.69	
126 1,1,2,2-Tetrachloroethane	83	12.096	12.096	0.000	74	553105	10.0	10.0	
125 Bromobenzene	156	12.096	12.096	0.000	89	812541	10.0	9.94	
127 trans-1,4-Dichloro-2-butene	53	12.120	12.120	0.000	93	1513404	100.0	101.2	
128 1,2,3-Trichloropropane	110	12.138	12.138	0.000	80	150110	10.0	9.97	
129 N-Propylbenzene	91	12.175	12.175	0.000	99	3583302	10.0	9.91	
130 2-Chlorotoluene	126	12.248	12.248	0.000	97	764525	10.0	9.72	
131 1,3,5-Trimethylbenzene	105	12.315	12.315	0.000	94	2685592	10.0	9.97	
132 4-Chlorotoluene	126	12.346	12.346	0.000	96	803018	10.0	9.74	
133 tert-Butylbenzene	134	12.559	12.559	0.000	93	612047	10.0	9.83	
134 Pentachloroethane	167	12.590	12.590	0.000	94	499932	10.0	10.5	
135 1,2,4-Trimethylbenzene	105	12.602	12.602	0.000	97	2775848	10.0	10.0	
136 sec-Butylbenzene	105	12.730	12.730	0.000	94	3432692	10.0	10.1	
137 1,3-Dichlorobenzene	146	12.821	12.821	0.000	98	1611100	10.0	9.90	
138 4-Isopropyltoluene	119	12.839	12.839	0.000	97	3083763	10.0	10.1	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	93	954519	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.900	12.900	0.000	95	1659146	10.0	10.0	
141 1,2,3-Trimethylbenzene	120	12.913	12.913	0.000	98	1269643	10.0	9.97	
142 Benzyl chloride	126	12.980	12.980	0.000	98	247206	10.0	11.2	
145 p-Diethylbenzene	119	13.114	13.114	0.000	94	1888073	10.0	9.97	
143 n-Butylbenzene	92	13.138	13.138	0.000	97	1502543	10.0	10.1	
144 1,2-Dichlorobenzene	146	13.163	13.163	0.000	99	1486550	10.0	10.0	
148 1,2-Dibromo-3-Chloropropane	155	13.717	13.717	0.000	87	78664	10.0	10.1	
149 1,3,5-Trichlorobenzene	180	13.845	13.845	0.000	98	1192848	10.0	9.90	
150 1,2,4-Trichlorobenzene	180	14.272	14.272	0.000	94	942350	10.0	10.1	
151 Hexachlorobutadiene	225	14.357	14.357	0.000	96	486010	10.0	9.74	
152 Naphthalene	128	14.455	14.455	0.000	96	1486542	10.0	10.8	
153 1,2,3-Trichlorobenzene	180	14.601	14.601	0.000	96	719285	10.0	10.6	
154 2-Methylnaphthalene	142	15.217	15.217	0.000	92	398673	10.0	10.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00121	Amount Added: 20.00	Units: uL	
MSV_LL_#2_826_00131	Amount Added: 20.00	Units: uL	
MSV_LL_GAS826_00200	Amount Added: 20.00	Units: uL	
MSV_HP25_ISSS_00085	Amount Added: 1.00	Units: uL	Run Reagent

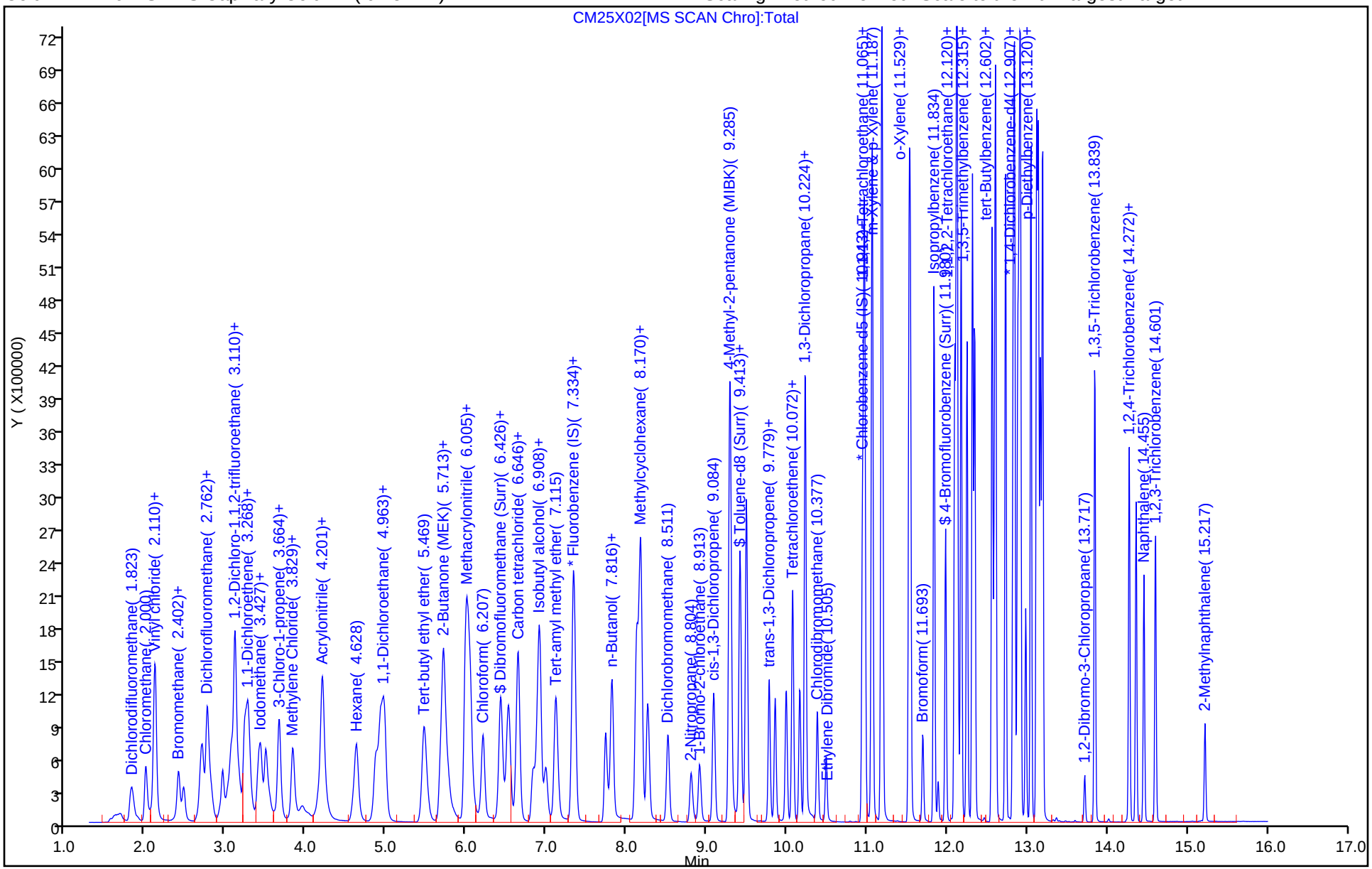
Report Date: 25-Mar-2024 21:39:36 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X02.D

Injection Date:	25-Mar-2024 19:38:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	CCVIS VSTD10			Worklist Smp#:	3
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

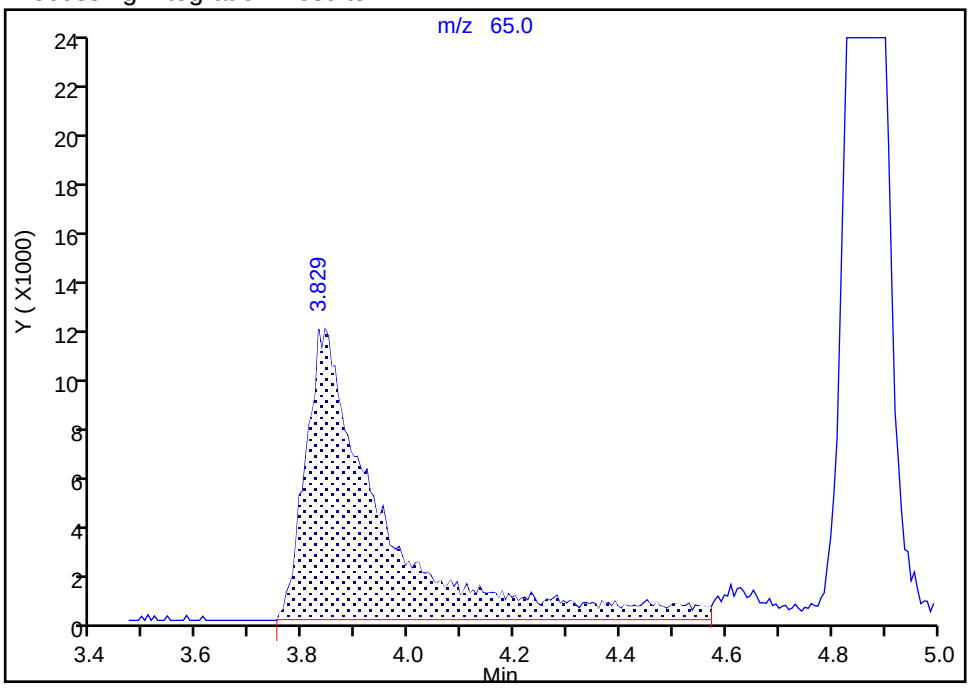
Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X02.D				
Injection Date:	25-Mar-2024 19:38:30	Instrument ID:	10193		
Lims ID:	CCVIS VSTD10				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 31 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

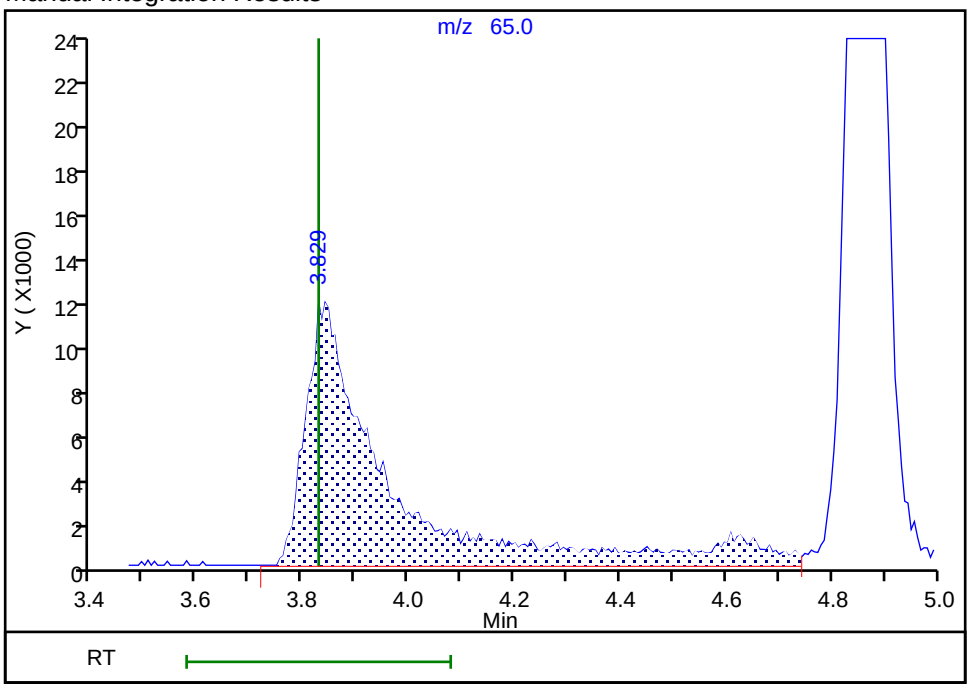
Processing Integration Results

RT: 3.83
Area: 118549
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.83
Area: 127058
Amount: 50.000000
Amount Units: ug/l



Reviewer: JS6E, 25-Mar-2024 20:28:54 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

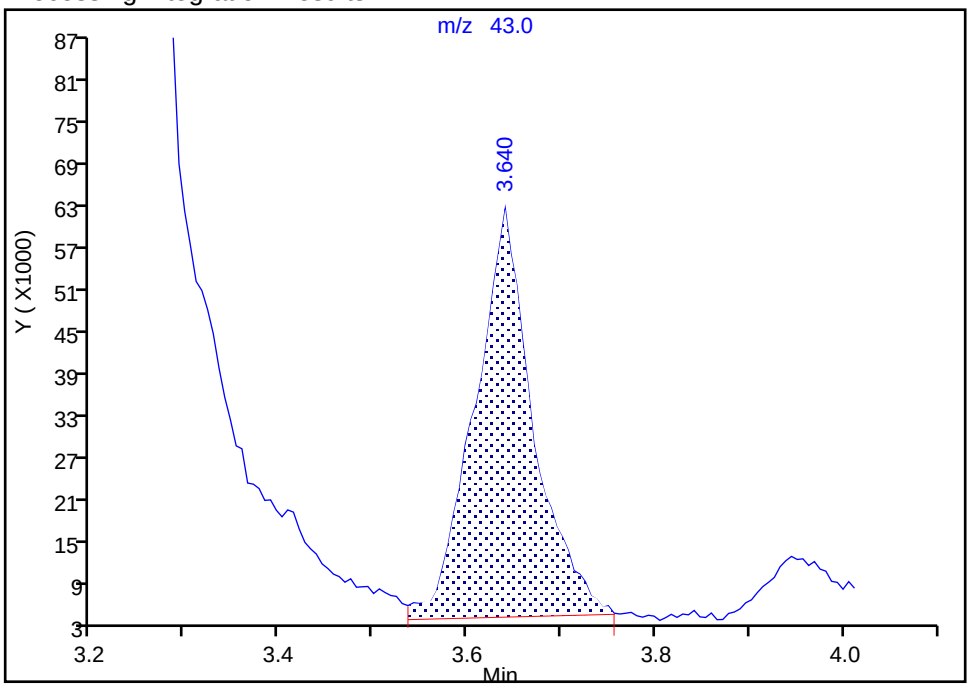
Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X02.D				
Injection Date:	25-Mar-2024 19:38:30	Instrument ID:	10193		
Lims ID:	CCVIS VSTD10				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

26 Methyl acetate, CAS: 79-20-9

Signal: 1

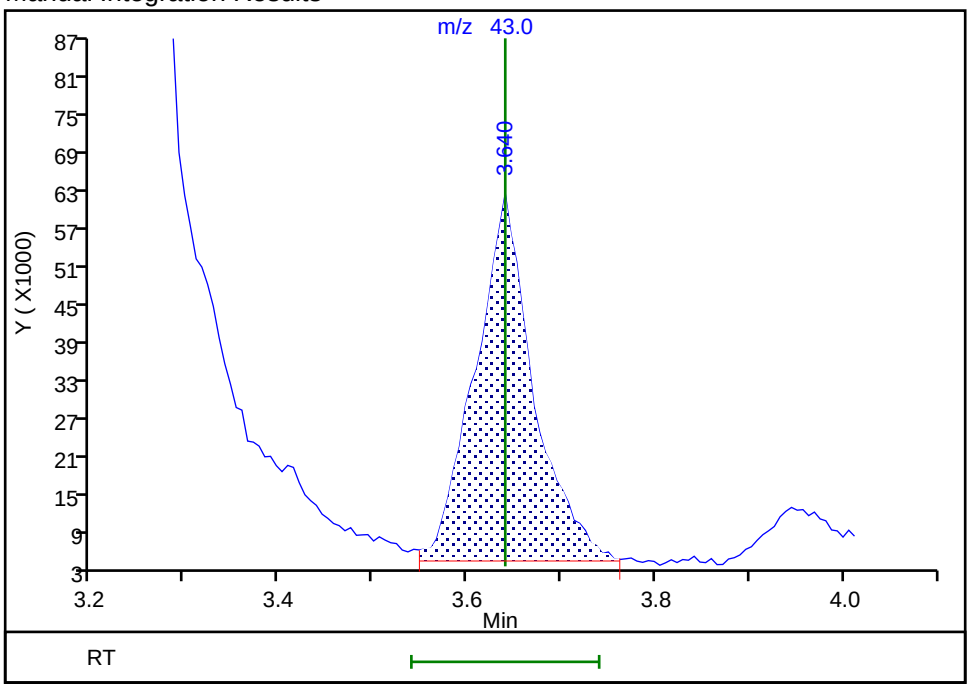
Processing Integration Results

RT: 3.64
Area: 249808
Amount: 11.883486
Amount Units: ug/l



Manual Integration Results

RT: 3.64
Area: 244726
Amount: 10.862092
Amount Units: ug/l



Reviewer: JS6E, 25-Mar-2024 20:28:21 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

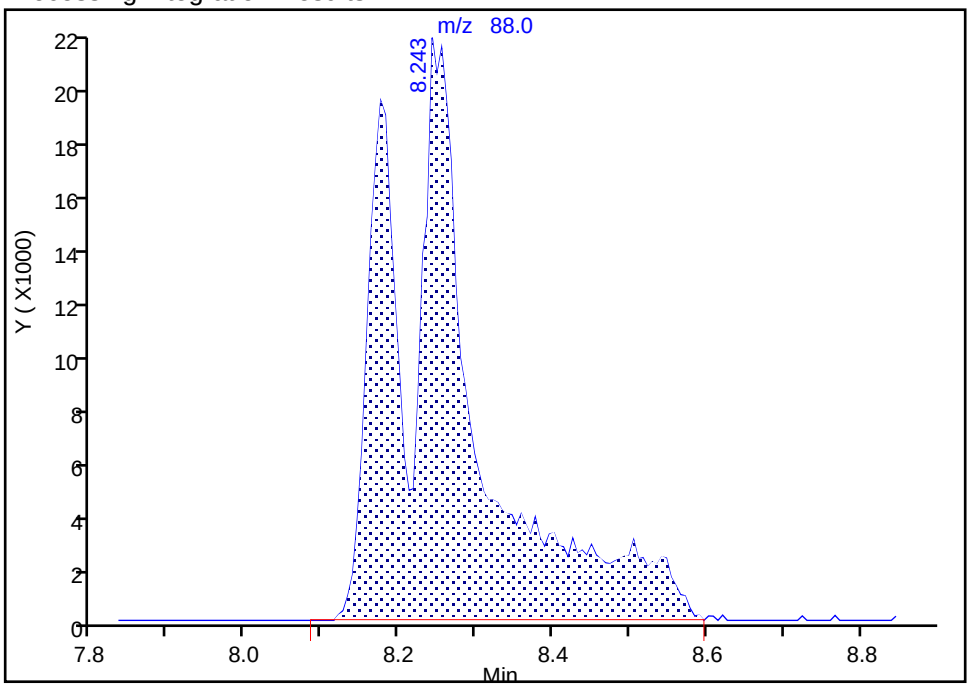
Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X02.D				
Injection Date:	25-Mar-2024 19:38:30	Instrument ID:	10193		
Lims ID:	CCVIS VSTD10				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

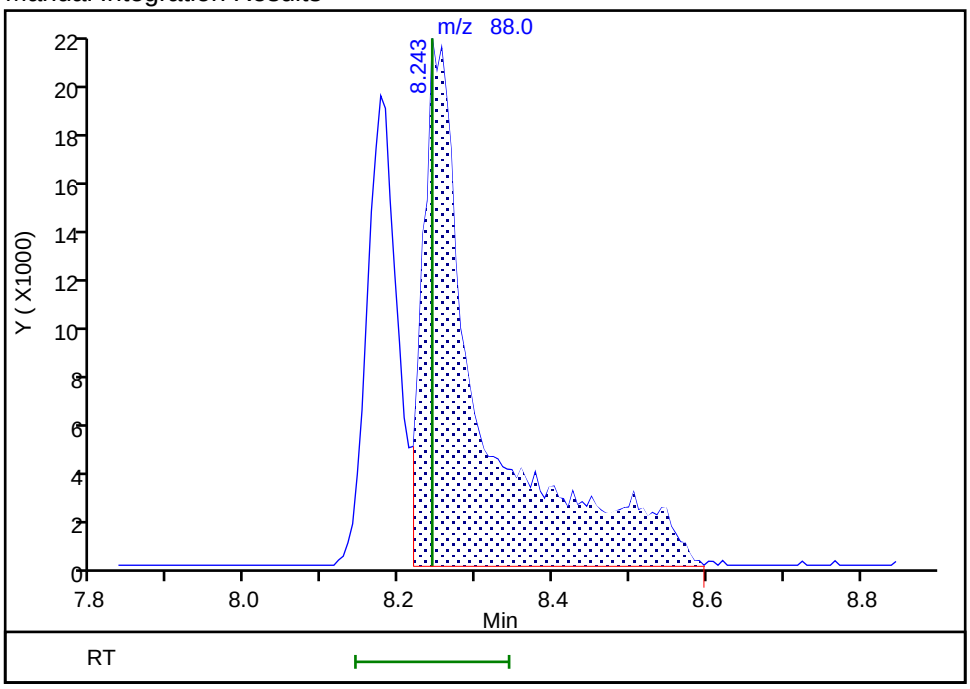
Processing Integration Results

RT: 8.24
Area: 162359
Amount: 911.7142
Amount Units: ug/l



Manual Integration Results

RT: 8.24
Area: 112292
Amount: 630.5669
Amount Units: ug/l



Reviewer: JS6E, 25-Mar-2024 20:29:26 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Lab Sample ID: CCVIS 410-487558/3 Calibration Date: 03/27/2024 10:39

Instrument ID: 10193 Calib Start Date: 12/11/2023 21:27

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 12/11/2023 23:41

Lab File ID: CM27X02.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	0.3182	0.3571	0.1000	11.2	10.0	12.2	20.0
Chloromethane	Ave	0.3985	0.4179	0.1000	10.5	10.0	4.9	20.0
Vinyl chloride	Ave	0.3631	0.3812	0.1000	10.5	10.0	5.0	20.0
1,3-Butadiene	Ave	0.3661	0.5562		15.2	10.0	51.9*	20.0
Bromomethane	Ave	0.2506	0.2516	0.1000	10.0	10.0	0.4	20.0
Chloroethane	Ave	0.2013	0.2053	0.1000	10.2	10.0	2.0	20.0
Dichlorofluoromethane	Ave	0.5484	0.5755		10.5	10.0	4.9	20.0
Trichlorofluoromethane	Ave	0.3950	0.4644	0.1000	11.8	10.0	17.6	20.0
Ethyl ether	Ave	0.2151	0.2232		10.4	10.0	3.8	20.0
Freon 123a	Ave	0.3125	0.3254		10.4	10.0	4.1	20.0
Acrolein	Ave	2.241	2.214		494	500	-1.2	20.0
1,1-Dichloroethene	Ave	0.2231	0.2443	0.1000	10.9	10.0	9.5	20.0
Acetone	Ave	2.617	3.020	0.1000	115	100	15.4	20.0
Freon 113	Ave	0.2347	0.2693	0.1000	11.5	10.0	14.7	20.0
Methyl iodide	Ave	0.4675	0.4998		10.7	10.0	6.9	20.0
Ethyl bromide	Ave	0.2093	0.2264		10.8	10.0	8.2	20.0
Carbon disulfide	Ave	0.7774	0.9125	0.1000	11.7	10.0	17.4	20.0
Methyl acetate	Ave	8.866	9.667	0.1000	10.9	10.0	9.0	20.0
Allyl chloride	Ave	0.4181	0.4890		11.7	10.0	16.9	20.0
Methylene Chloride	Ave	0.2621	0.2962	0.1000	11.3	10.0	13.0	20.0
t-Butyl alcohol	Ave	1.133	1.029		182	200	-9.1	20.0
Acrylonitrile	Ave	4.115	4.161		25.3	25.0	1.1	20.0
Methyl tert-butyl ether	Ave	0.7272	0.6919	0.1000	9.51	10.0	-4.9	20.0
trans-1,2-Dichloroethene	Ave	0.2657	0.2824	0.1000	10.6	10.0	6.3	20.0
n-Hexane	Ave	0.3597	0.3984		11.1	10.0	10.7	20.0
1,1-Dichloroethane	Ave	0.4873	0.5127	0.2000	10.5	10.0	5.2	20.0
di-Isopropyl ether	Ave	0.9088	0.9249		10.2	10.0	1.8	20.0
2-Chloro-1,3-butadiene	Ave	0.4013	0.4304		10.7	10.0	7.2	20.0
Ethyl t-butyl ether	Ave	0.8652	0.8076		9.33	10.0	-6.7	20.0
2-Butanone (MEK)	Ave	5.575	5.666	0.1000	102	100	1.6	20.0
cis-1,2-Dichloroethene	Ave	0.2996	0.3145	0.1000	10.5	10.0	5.0	20.0
2,2-Dichloropropane	Ave	0.4045	0.4102		10.1	10.0	1.4	20.0
Propionitrile	Ave	1.403	1.439		205	200	2.5	20.0
Methacrylonitrile	Ave	5.314	5.789		109	100	8.9	20.0
Bromochloromethane	Ave	0.1343	0.1451		10.8	10.0	8.0	20.0
Tetrahydrofuran	Ave	1.604	1.594		49.7	50.0	-0.7	20.0
Chloroform	Ave	0.4954	0.5056	0.2000	10.2	10.0	2.1	20.0
1,1,1-Trichloroethane	Ave	0.4118	0.4373	0.1000	10.6	10.0	6.2	20.0
Cyclohexane	Ave	0.4535	0.4929	0.1000	10.9	10.0	8.7	20.0
Carbon tetrachloride	Ave	0.3625	0.4053	0.1000	11.2	10.0	11.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Lab Sample ID: CCVIS 410-487558/3 Calibration Date: 03/27/2024 10:39

Instrument ID: 10193 Calib Start Date: 12/11/2023 21:27

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 12/11/2023 23:41

Lab File ID: CM27X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1-Dichloropropene	Ave	0.3693	0.3982		10.8	10.0	7.8	20.0
Isobutyl alcohol	Ave	0.4074	0.4010		492	500	-1.6	20.0
Benzene	Ave	1.135	1.201	0.5000	10.6	10.0	5.8	20.0
1,2-Dichloroethane	Ave	0.3053	0.3314	0.1000	10.9	10.0	8.6	20.0
t-Amyl methyl ether	Ave	0.7865	0.7517		9.56	10.0	-4.4	20.0
n-Heptane	Ave	0.3839	0.4502		11.7	10.0	17.3	20.0
n-Butanol	Ave	0.3450	0.3743		949	875	8.5	20.0
Trichloroethene	Ave	0.2934	0.3144	0.2000	10.7	10.0	7.1	20.0
Methylcyclohexane	Ave	0.4759	0.5224	0.1000	11.0	10.0	9.8	20.0
1,2-Dichloropropane	Ave	0.2950	0.3115	0.1000	10.6	10.0	5.6	20.0
1,4-Dioxane	Ave	0.0701	0.0766	0.0050	546	500	9.3	20.0
Methyl methacrylate	Ave	10.75	11.18		10.4	10.0	4.0	20.0
Dibromomethane	Ave	0.1436	0.1527		10.6	10.0	6.4	20.0
Bromodichloromethane	Ave	0.3426	0.3694	0.2000	10.8	10.0	7.8	20.0
2-Nitropropane	Ave	3.031	3.148		51.9	50.0	3.9	20.0
1-Bromo-2-chloroethane	Ave	0.3023	0.3199		10.6	10.0	5.8	20.0
cis-1,3-Dichloropropene	Ave	0.4478	0.4687	0.2000	10.5	10.0	4.7	20.0
4-Methyl-2-pentanone (MIBK)	Ave	13.91	15.31	0.1000	110	100	10.1	20.0
Toluene	Ave	0.9615	1.021	0.4000	10.6	10.0	6.2	20.0
trans-1,3-Dichloropropene	Ave	0.4941	0.5203	0.1000	10.5	10.0	5.3	20.0
Ethyl methacrylate	Ave	0.4116	0.4232		10.3	10.0	2.8	20.0
1,1,2-Trichloroethane	Ave	0.2731	0.2882	0.1000	10.6	10.0	5.5	20.0
Tetrachloroethene	Ave	0.4436	0.4957	0.2000	11.2	10.0	11.7	20.0
1,3-Dichloropropane	Ave	0.4691	0.4963		10.6	10.0	5.8	20.0
2-Hexanone	Ave	10.24	11.31	0.1000	110	100	10.4	20.0
Dibromochloromethane	Ave	0.3331	0.3800		11.4	10.0	14.1	20.0
1,2-Dibromoethane (EDB)	Ave	0.2651	0.2822	0.1000	10.6	10.0	6.4	20.0
1-Chlorohexane	Ave	0.5356	0.5502		10.3	10.0	2.7	20.0
Chlorobenzene	Ave	1.123	1.201	0.5000	10.7	10.0	7.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3881	0.4197		10.8	10.0	8.1	20.0
Ethylbenzene	Ave	1.877	2.013	0.1000	10.7	10.0	7.2	20.0
m&p-Xylene	Ave	0.7548	0.8121	0.1000	21.5	20.0	7.6	20.0
o-Xylene	Ave	0.7520	0.7920	0.3000	10.5	10.0	5.3	20.0
Styrene	Ave	1.233	1.344	0.3000	10.9	10.0	9.0	20.0
Bromoform	Ave	0.2084	0.2325	0.1000	11.2	10.0	11.6	20.0
Isopropylbenzene	Ave	1.790	1.901	0.1000	10.6	10.0	6.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5797	0.5958	0.3000	10.3	10.0	2.8	20.0
Bromobenzene	Ave	0.8566	0.8701		10.2	10.0	1.6	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1566	0.1521		97.1	100	-2.9	20.0
1,2,3-Trichloropropane	Ave	0.1578	0.1621		10.3	10.0	2.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Lab Sample ID: CCVIS 410-487558/3 Calibration Date: 03/27/2024 10:39

Instrument ID: 10193 Calib Start Date: 12/11/2023 21:27

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 12/11/2023 23:41

Lab File ID: CM27X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Propylbenzene	Ave	3.786	3.933		10.4	10.0	3.9	20.0
2-Chlorotoluene	Ave	0.8239	0.8212		9.97	10.0	-0.3	20.0
1,3,5-Trimethylbenzene	Ave	2.821	2.885		10.2	10.0	2.3	20.0
4-Chlorotoluene	Ave	0.8634	0.8673		10.0	10.0	0.4	20.0
tert-Butylbenzene	Ave	0.6521	0.6705		10.3	10.0	2.8	20.0
Pentachloroethane	Ave	0.5010	0.5272		10.5	10.0	5.2	20.0
1,2,4-Trimethylbenzene	Ave	2.903	3.015		10.4	10.0	3.8	20.0
sec-Butylbenzene	Ave	3.556	3.755		10.6	10.0	5.6	20.0
1,3-Dichlorobenzene	Ave	1.705	1.752	0.6000	10.3	10.0	2.7	20.0
p-Isopropyltoluene	Ave	3.210	3.373		10.5	10.0	5.1	20.0
1,4-Dichlorobenzene	Ave	1.730	1.801	0.5000	10.4	10.0	4.1	20.0
1,2,3-Trimethylbenzene	Ave	1.334	1.363		10.2	10.0	2.2	20.0
Benzyl chloride	Ave	0.2318	0.2744		11.8	10.0	18.4	20.0
n-Butylbenzene	Ave	1.553	1.674		10.8	10.0	7.8	20.0
1,2-Dichlorobenzene	Ave	1.556	1.607	0.4000	10.3	10.0	3.2	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0817	0.0854	0.0500	10.5	10.0	4.6	20.0
1,3,5-Trichlorobenzene	Ave	1.262	1.304		10.3	10.0	3.3	20.0
1,2,4-Trichlorobenzene	Ave	0.9748	1.041	0.2000	10.7	10.0	6.7	20.0
Hexachlorobutadiene	Ave	0.5229	0.5565		10.6	10.0	6.4	20.0
Naphthalene	Ave	1.444	1.657		11.5	10.0	14.8	20.0
1,2,3-Trichlorobenzene	Ave	0.7129	0.8179		11.5	10.0	14.7	20.0
Dibromofluoromethane (Surr)	Ave	0.2230	0.2388		10.7	10.0	7.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0451	0.0499		11.1	10.0	10.6	20.0
Toluene-d8 (Surr)	Ave	1.264	1.333		10.5	10.0	5.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5076	0.4935		9.72	10.0	-2.8	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27X02.D
Lims ID: CCVIS VSTD10
Client ID:
Sample Type: CCVIS
Inject. Date: 27-Mar-2024 10:39:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109672-003
Misc. Info.: CCVIS
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20240327-109672.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Mar-2024 13:25:34 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1656

First Level Reviewer: DVW2 Date: 27-Mar-2024 11:59:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.817	1.817	0.000	99	664515	10.0	11.2	
5 Chloromethane	50	2.000	2.000	0.000	99	777501	10.0	10.5	
6 Vinyl chloride	62	2.104	2.104	0.000	98	709359	10.0	10.5	
7 Butadiene	39	2.116	2.116	0.000	96	1034849	10.0	15.2	
9 Bromomethane	94	2.409	2.409	0.000	91	468190	10.0	10.0	
10 Chloroethane	64	2.470	2.470	0.000	99	381967	10.0	10.2	
11 Dichlorofluoromethane	67	2.701	2.701	0.000	98	1070755	10.0	10.5	
12 Trichlorofluoromethane	101	2.756	2.756	0.000	98	864060	10.0	11.8	
13 Pentane	43	2.768	2.768	0.000	96	967599	10.0	12.4	
14 Ethyl ether	59	2.957	2.957	0.000	94	415334	10.0	10.4	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.055	3.055	0.000	93	605495	10.0	10.4	
17 Acrolein	56	3.116	3.116	0.000	99	2716342	500.0	494.1	
18 1,1-Dichloroethene	96	3.238	3.238	0.000	97	454567	10.0	10.9	
20 Acetone	43	3.262	3.262	0.000	98	741105	100.0	115.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.280	3.280	0.000	91	501061	10.0	11.5	
22 Iodomethane	142	3.408	3.408	0.000	99	929936	10.0	10.7	
24 Isopropyl alcohol	45	3.408	3.408	0.000	38	319185	200.0	222.7	
23 Ethyl bromide	108	3.439	3.439	0.000	99	421391	10.0	10.8	
25 Carbon disulfide	76	3.500	3.500	0.000	100	1697826	10.0	11.7	
26 Methyl acetate	43	3.640	3.640	0.000	97	237204	10.0	10.9	M
29 3-Chloro-1-propene	41	3.665	3.665	0.000	91	909894	10.0	11.7	
30 Methylene Chloride	84	3.835	3.835	0.000	94	551145	10.0	11.3	
* 31 t-Butyl alcohol-d10 (IS)	65	3.835	3.835	0.000	37	122684	50.0	50.0	
32 2-Methyl-2-propanol	59	3.945	3.945	0.000	98	504983	200.0	181.7	
33 Acrylonitrile	53	4.146	4.146	0.000	98	255273	25.0	25.3	
34 Methyl tert-butyl ether	73	4.201	4.201	0.000	96	1287362	10.0	9.51	
35 trans-1,2-Dichloroethene	96	4.207	4.207	0.000	99	525412	10.0	10.6	
36 Hexane	57	4.628	4.628	0.000	94	741226	10.0	11.1	
37 1,1-Dichloroethane	63	4.866	4.866	0.000	96	954052	10.0	10.5	
39 Isopropyl ether	45	4.933	4.933	0.000	94	1720907	10.0	10.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.975	4.975	0.000	91	800784	10.0	10.7	
41 Tert-butyl ethyl ether	59	5.475	5.475	0.000	97	1502677	10.0	9.33	
42 2-Butanone (MEK)	43	5.676	5.676	0.000	100	1390234	100.0	101.6	
43 cis-1,2-Dichloroethene	96	5.713	5.713	0.000	82	585225	10.0	10.5	
44 2,2-Dichloropropane	77	5.725	5.725	0.000	87	763206	10.0	10.1	
45 Propionitrile	54	5.774	5.774	0.000	99	705924	200.0	205.0	
47 Methacrylonitrile	67	5.999	5.999	0.000	93	1420506	100.0	108.9	
48 Chlorobromomethane	128	6.048	6.048	0.000	92	269907	10.0	10.8	
49 Tetrahydrofuran	71	6.048	6.048	0.000	73	195502	50.0	49.7	
50 Chloroform	83	6.207	6.207	0.000	93	940827	10.0	10.2	
$ 54 Dibromofluoromethane (Surr)	113	6.426	6.426	0.000	94	444316	10.0	10.7	
53 1,1,1-Trichloroethane	97	6.432	6.432	0.000	99	813583	10.0	10.6	
55 Cyclohexane	56	6.524	6.524	0.000	92	917135	10.0	10.9	
56 Carbon tetrachloride	117	6.640	6.640	0.000	96	754071	10.0	11.2	
57 1,1-Dichloropropene	75	6.646	6.646	0.000	97	741003	10.0	10.8	
58 Isobutyl alcohol	41	6.829	6.829	0.000	94	491981	500.0	492.2	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.883	6.883	0.000	99	92902	10.0	11.1	
60 Benzene	78	6.914	6.914	0.000	96	2234259	10.0	10.6	
61 1,2-Dichloroethane	62	6.993	6.993	0.000	97	616669	10.0	10.9	
64 Tert-amyl methyl ether	73	7.115	7.115	0.000	98	1398675	10.0	9.56	
* 65 Fluorobenzene (IS)	96	7.335	7.335	0.000	97	1860666	10.0	10.0	
66 n-Heptane	43	7.347	7.347	0.000	93	837691	10.0	11.7	
67 n-Butanol	56	7.737	7.737	0.000	90	803508	875.0	949.2	
68 Trichloroethene	95	7.816	7.816	0.000	97	584959	10.0	10.7	
69 Methylcyclohexane	83	8.121	8.121	0.000	91	972091	10.0	11.0	
70 1,2-Dichloropropane	63	8.158	8.158	0.000	97	579641	10.0	10.6	
71 2-ethoxy-2-methyl butane	87	8.182	8.182	0.000	93	876282	10.0	10.0	
74 1,4-Dioxane	88	8.249	8.249	0.000	34	93932	500.0	546.3	M
73 Methyl methacrylate	69	8.261	8.261	0.000	92	274215	10.0	10.4	
72 Dibromomethane	93	8.267	8.267	0.000	93	284159	10.0	10.6	
76 Dichlorobromomethane	83	8.511	8.511	0.000	99	687277	10.0	10.8	
77 2-Nitropropane	41	8.804	8.804	0.000	98	386208	50.0	51.9	
78 1-Bromo-2-chloroethane	63	8.907	8.907	0.000	99	595237	10.0	10.6	
80 cis-1,3-Dichloropropene	75	9.084	9.084	0.000	96	872184	10.0	10.5	
82 4-Methyl-2-pentanone (MIBK)	43	9.291	9.291	0.000	97	3756806	100.0	110.1	
$ 83 Toluene-d8 (Surr)	98	9.413	9.413	0.000	93	1913814	10.0	10.5	
84 Toluene	92	9.493	9.493	0.000	98	1466355	10.0	10.6	
85 trans-1,3-Dichloropropene	75	9.779	9.779	0.000	93	747229	10.0	10.5	
86 Ethyl methacrylate	69	9.852	9.852	0.000	90	607810	10.0	10.3	
87 1,1,2-Trichloroethane	97	9.993	9.993	0.000	91	413881	10.0	10.6	
88 Tetrachloroethene	166	10.072	10.072	0.000	98	711849	10.0	11.2	
89 1,3-Dichloropropane	76	10.163	10.163	0.000	92	712842	10.0	10.6	
106 2-Hexanone	43	10.230	10.230	0.000	97	2774365	100.0	110.4	
108 Chlorodibromomethane	129	10.383	10.383	0.000	90	545767	10.0	11.4	
110 Ethylene Dibromide	107	10.492	10.492	0.000	99	405226	10.0	10.6	
* 111 Chlorobenzene-d5 (IS)	117	10.944	10.944	0.000	85	1436184	10.0	10.0	
112 1-Chlorohexane	91	10.962	10.962	0.000	98	790190	10.0	10.3	
113 Chlorobenzene	112	10.974	10.974	0.000	96	1725270	10.0	10.7	
114 1,1,1,2-Tetrachloroethane	131	11.059	11.059	0.000	96	602760	10.0	10.8	
115 Ethylbenzene	91	11.066	11.066	0.000	98	2890570	10.0	10.7	
116 m-Xylene & p-Xylene	106	11.187	11.187	0.000	97	2332581	20.0	21.5	
118 o-Xylene	106	11.523	11.523	0.000	97	1137494	10.0	10.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
119 Styrene	104	11.541	11.541	0.000	95	1929569	10.0	10.9	
120 Bromoform	173	11.700	11.700	0.000	98	333930	10.0	11.2	
121 Isopropylbenzene	105	11.834	11.834	0.000	96	2729547	10.0	10.6	
$ 124 4-Bromofluorobenzene (Surr)	95	11.980	11.980	0.000	93	708750	10.0	9.72	
126 1,1,2,2-Tetrachloroethane	83	12.096	12.096	0.000	75	532406	10.0	10.3	
125 Bromobenzene	156	12.096	12.096	0.000	90	777467	10.0	10.2	
127 trans-1,4-Dichloro-2-butene	53	12.120	12.120	0.000	94	1359519	100.0	97.1	
128 1,2,3-Trichloropropane	110	12.138	12.138	0.000	81	144837	10.0	10.3	
129 N-Propylbenzene	91	12.175	12.175	0.000	99	3514111	10.0	10.4	
130 2-Chlorotoluene	126	12.248	12.248	0.000	97	733821	10.0	9.97	
131 1,3,5-Trimethylbenzene	105	12.315	12.315	0.000	94	2578198	10.0	10.2	
132 4-Chlorotoluene	126	12.346	12.346	0.000	97	774955	10.0	10.0	
133 tert-Butylbenzene	134	12.559	12.559	0.000	93	599125	10.0	10.3	
134 Pentachloroethane	167	12.590	12.590	0.000	93	471079	10.0	10.5	
135 1,2,4-Trimethylbenzene	105	12.602	12.602	0.000	97	2693887	10.0	10.4	
136 sec-Butylbenzene	105	12.730	12.730	0.000	94	3355052	10.0	10.6	
137 1,3-Dichlorobenzene	146	12.821	12.821	0.000	98	1565335	10.0	10.3	
138 4-Isopropyltoluene	119	12.840	12.840	0.000	97	3013922	10.0	10.5	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	93	893576	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.901	12.901	0.000	95	1608969	10.0	10.4	
141 1,2,3-Trimethylbenzene	120	12.913	12.913	0.000	98	1217874	10.0	10.2	
142 Benzyl chloride	126	12.980	12.980	0.000	98	245171	10.0	11.8	
145 p-Diethylbenzene	119	13.114	13.114	0.000	94	1868736	10.0	10.5	
143 n-Butylbenzene	92	13.138	13.138	0.000	97	1495714	10.0	10.8	
144 1,2-Dichlorobenzene	146	13.163	13.163	0.000	99	1435700	10.0	10.3	
148 1,2-Dibromo-3-Chloropropane	155	13.717	13.717	0.000	88	76335	10.0	10.5	
149 1,3,5-Trichlorobenzene	180	13.839	13.839	0.000	98	1165253	10.0	10.3	
150 1,2,4-Trichlorobenzene	180	14.272	14.272	0.000	94	929774	10.0	10.7	
151 Hexachlorobutadiene	225	14.358	14.358	0.000	96	497306	10.0	10.6	
152 Naphthalene	128	14.455	14.455	0.000	97	1481079	10.0	11.5	
153 1,2,3-Trichlorobenzene	180	14.601	14.601	0.000	96	730872	10.0	11.5	
154 2-Methylnaphthalene	142	15.217	15.217	0.000	91	444084	10.0	12.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00121	Amount Added: 20.00	Units: uL	
MSV_LL_#2_826_00131	Amount Added: 20.00	Units: uL	
MSV_LL_GAS826_00200	Amount Added: 20.00	Units: uL	
MSV_HP25_ISSS_00086	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 27-Mar-2024 13:25:35 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27X02.D

Injection Date: 27-Mar-2024 10:39:30 Instrument ID: 10193 Operator ID: knk41612

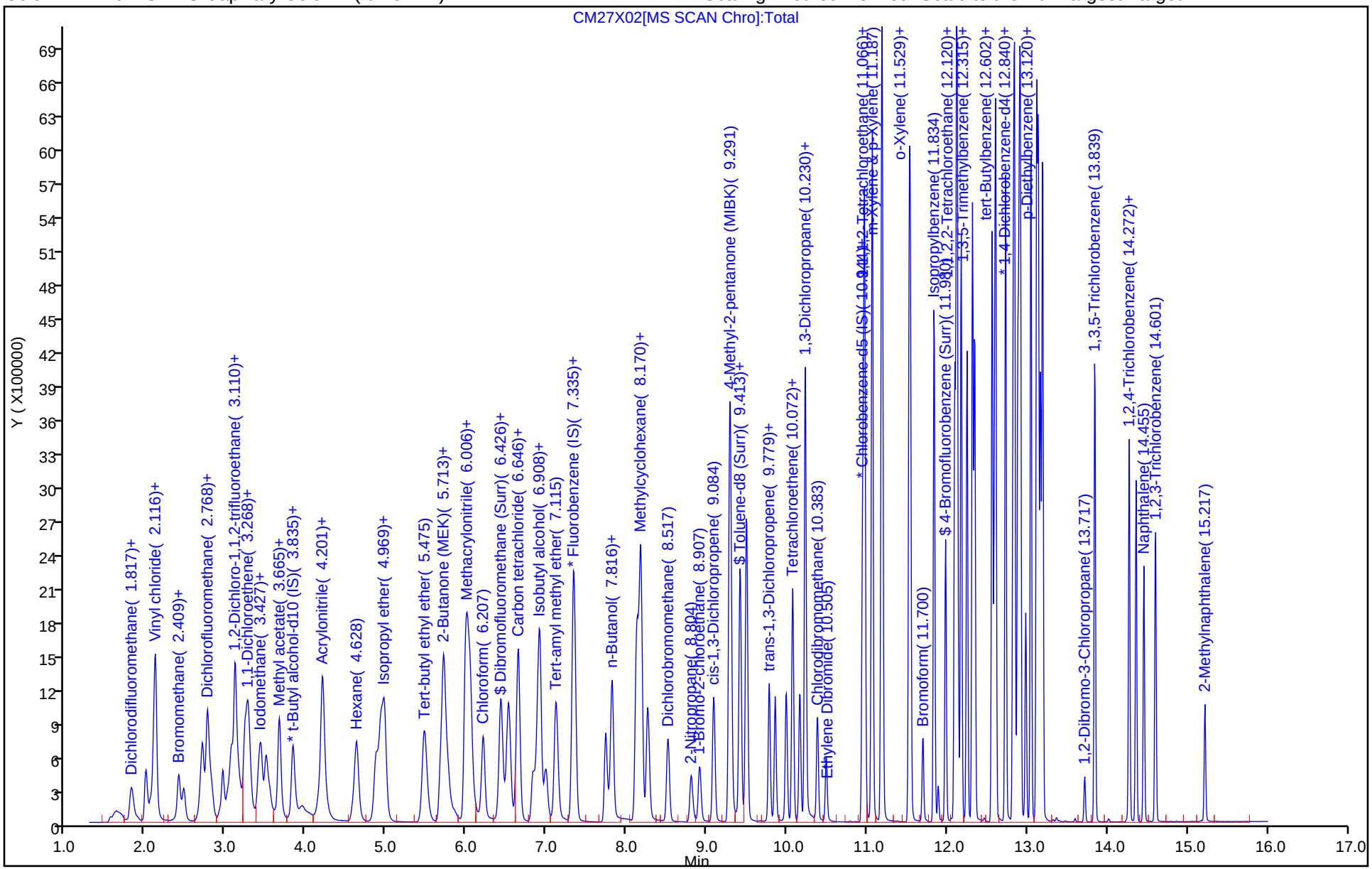
Lims ID: CCVIS VSTD10 Worklist Smp#: 3

Client ID:

Purge Vol: 25.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSV_10193_25mL Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

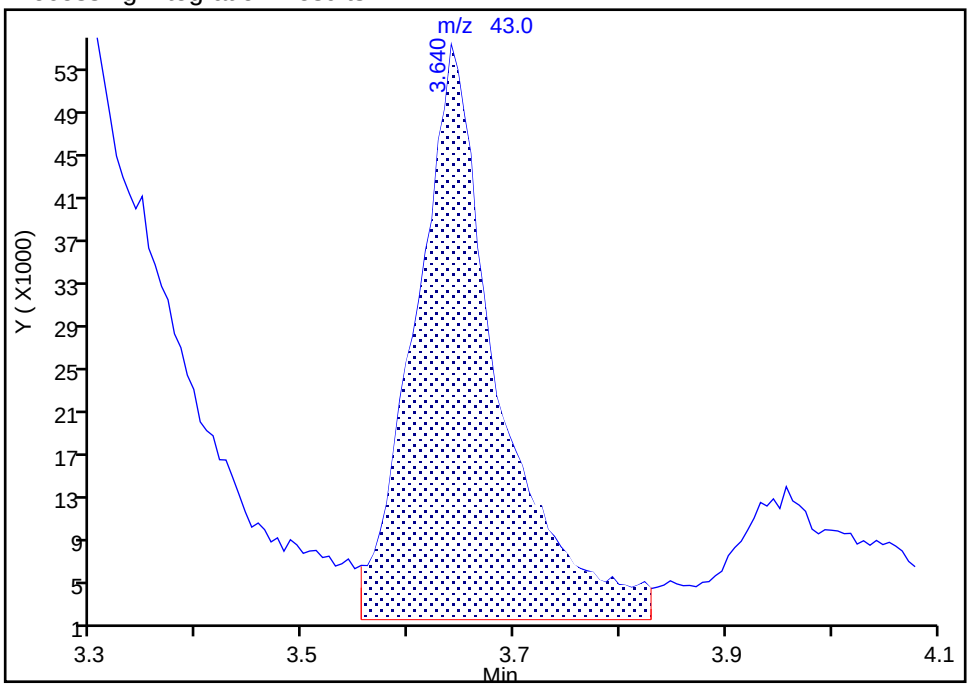
Data File:	\\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27X02.D				
Injection Date:	27-Mar-2024 10:39:30	Instrument ID:	10193		
Lims ID:	CCVIS VSTD10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

26 Methyl acetate, CAS: 79-20-9

Signal: 1

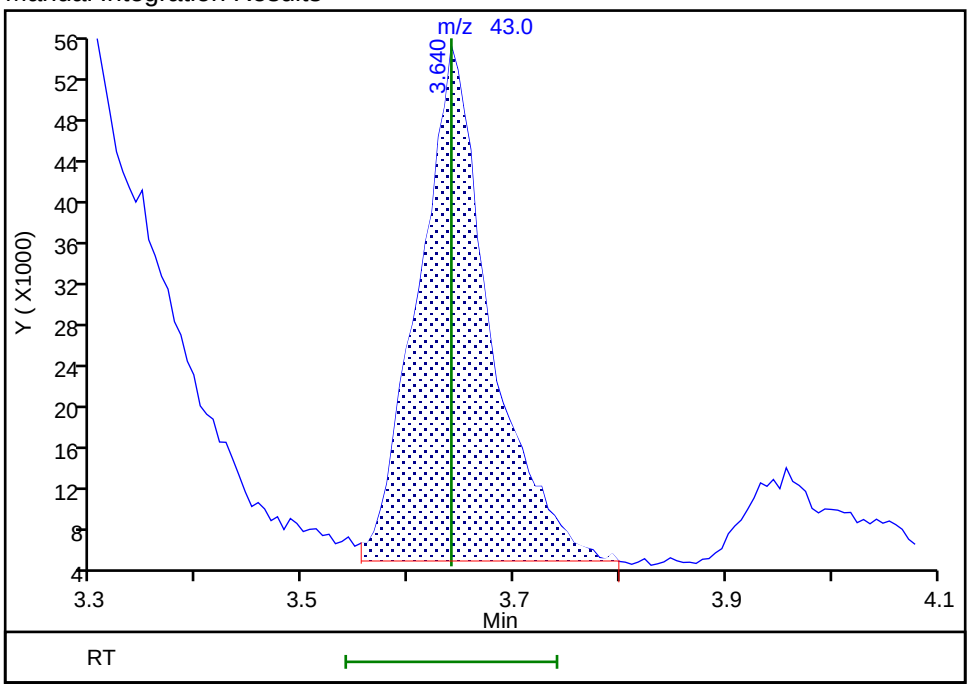
Processing Integration Results

RT: 3.64
Area: 291461
Amount: 13.397628
Amount Units: ug/l



Manual Integration Results

RT: 3.64
Area: 237204
Amount: 10.903589
Amount Units: ug/l



Reviewer: DVW2, 27-Mar-2024 11:57:46 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

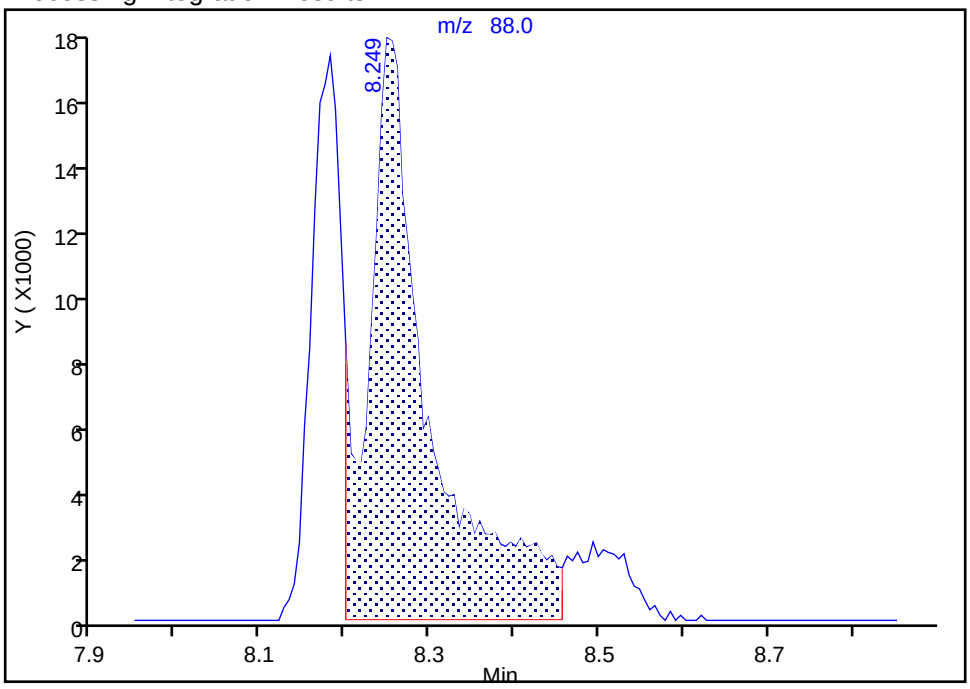
Data File:	\\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27X02.D				
Injection Date:	27-Mar-2024 10:39:30	Instrument ID:	10193		
Lims ID:	CCVIS VSTD10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

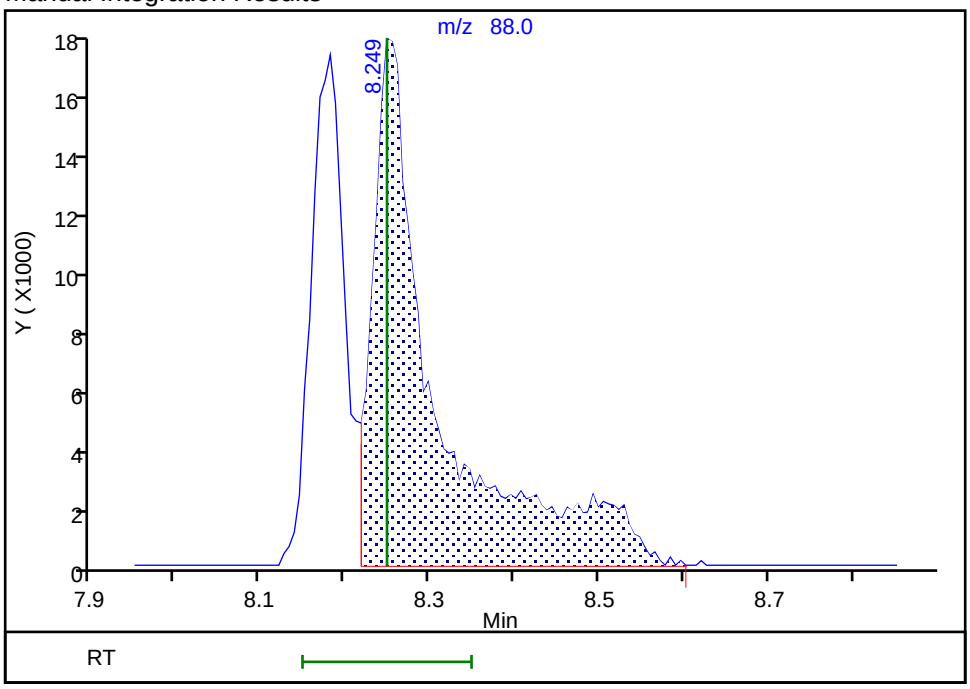
Processing Integration Results

RT: 8.25
Area: 89942
Amount: 523.0690
Amount Units: ug/l



Manual Integration Results

RT: 8.25
Area: 93932
Amount: 546.2733
Amount Units: ug/l



Reviewer: DVW2, 27-Mar-2024 11:58:55 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Lab Sample ID: ICV 410-431955/21 Calibration Date: 10/17/2023 10:24

Instrument ID: 19094 Calib Start Date: 10/17/2023 07:43

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/17/2023 09:43

Lab File ID: HO16X20.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	0.2955	0.3108	0.1000	5.26	5.00	5.2	30.0
Chloromethane	Ave	0.3245	0.3193	0.1000	4.92	5.00	-1.6	30.0
Vinyl chloride	Ave	0.3113	0.3147	0.1000	5.06	5.00	1.1	30.0
1,3-Butadiene	Ave	0.3376	0.2805		4.15	5.00	-16.9	30.0
Bromomethane	Ave	0.2216	0.2261	0.1000	5.10	5.00	2.0	30.0
Chloroethane	Ave	0.1797	0.1894	0.1000	5.27	5.00	5.4	30.0
Dichlorofluoromethane	Ave	0.4969	0.4666		4.70	5.00	-6.1	30.0
Trichlorofluoromethane	Ave	0.3725	0.3874	0.1000	5.20	5.00	4.0	30.0
Ethyl ether	Ave	0.1719	0.1508		4.39	5.01	-12.2	30.0
Freon 123a	Ave	0.2673	0.2806		5.25	5.00	5.0	30.0
Acrolein	Ave	2.449	2.355		36.1	37.5	-3.9	30.0
1,1-Dichloroethene	Ave	0.2090	0.2143	0.1000	5.13	5.00	2.5	30.0
Acetone	Ave	3.026	2.943	0.1000	60.8	62.5	-2.7	30.0
Freon 113	Ave	0.1923	0.1888	0.1000	4.91	5.00	-1.8	30.0
Methyl iodide	Ave	0.4129	0.4141		5.01	5.00	0.3	30.0
Ethyl bromide	Ave	0.1871	0.1916		5.18	5.06	2.4	30.0
Carbon disulfide	Ave	0.5820	0.5723	0.1000	4.92	5.00	-1.7	30.0
Methyl acetate	Ave	8.821	7.330	0.1000	4.15	5.00	-16.9	30.0
Allyl chloride	Ave	0.3497	0.3339		4.77	5.00	-4.5	30.0
Methylene Chloride	Ave	0.2218	0.2238	0.1000	5.04	5.00	0.9	30.0
t-Butyl alcohol	Ave	0.8959	0.8349		46.6	50.0	-6.8	30.0
Acrylonitrile	Ave	3.950	4.109		26.0	25.0	4.0	30.0
Methyl tert-butyl ether	Ave	0.5270	0.5167	0.1000	4.90	5.00	-2.0	30.0
trans-1,2-Dichloroethene	Ave	0.2375	0.2434	0.1000	5.12	5.00	2.5	30.0
n-Hexane	Ave	0.2577	0.2671		5.18	5.00	3.6	30.0
1,1-Dichloroethane	Ave	0.4229	0.4599	0.2000	5.44	5.00	8.7	30.0
di-Isopropyl ether	Ave	0.6967	0.6952		4.99	5.00	-0.2	30.0
2-Chloro-1,3-butadiene	Ave	0.3824	0.3935		5.15	5.00	2.9	30.0
Ethyl t-butyl ether	Ave	0.6856	0.6875		5.01	5.00	0.3	30.0
2-Butanone (MEK)	Ave	4.948	5.346	0.1000	67.5	62.5	8.1	30.0
cis-1,2-Dichloroethene	Ave	0.2665	0.2728	0.1000	5.12	5.00	2.4	30.0
2,2-Dichloropropane	Ave	0.3921	0.4153		5.30	5.00	5.9	30.0
Propionitrile	Ave	1.378	1.122		30.5	37.5	-18.5	30.0
Methacrylonitrile	Ave	5.500	5.707		38.9	37.5	3.7	30.0
Bromochloromethane	Ave	0.1065	0.1157		5.43	5.00	8.7	30.0
Tetrahydrofuran	Ave	1.587	1.429		22.5	25.0	-10.0	30.0
Chloroform	Ave	0.4355	0.4581	0.2000	5.26	5.00	5.2	30.0
1,1,1-Trichloroethane	Ave	0.4085	0.4327	0.1000	5.30	5.00	5.9	30.0
Cyclohexane	Ave	0.3708	0.3650	0.1000	4.92	5.00	-1.6	30.0
Carbon tetrachloride	Ave	0.3419	0.3806	0.1000	5.57	5.00	11.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Lab Sample ID: ICV 410-431955/21 Calibration Date: 10/17/2023 10:24

Instrument ID: 19094 Calib Start Date: 10/17/2023 07:43

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/17/2023 09:43

Lab File ID: HO16X20.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1-Dichloropropene	Ave	0.3288	0.3556		5.41	5.00	8.2	30.0
Isobutyl alcohol	Ave	0.2834	0.2954		130	125	4.2	30.0
Benzene	Ave	0.9541	1.009	0.5000	5.29	5.00	5.7	30.0
1,2-Dichloroethane	Ave	0.2779	0.2864	0.1000	5.15	5.00	3.1	30.0
t-Amyl methyl ether	Ave	0.5813	0.5845		5.03	5.00	0.6	30.0
n-Heptane	Ave	0.2544	0.2715		5.34	5.00	6.7	30.0
n-Butanol	Ave	0.2257	0.2236		248	250	-0.9	30.0
Trichloroethene	Ave	0.2692	0.2784	0.2000	5.17	5.00	3.4	30.0
Methylcyclohexane	Ave	0.3647	0.3844	0.1000	5.27	5.00	5.4	30.0
1,2-Dichloropropane	Ave	0.2347	0.2514	0.1000	5.36	5.00	7.1	30.0
Methyl methacrylate	Ave	11.30	11.40		5.05	5.00	0.9	30.0
1,4-Dioxane	Lin2		0.0696	0.0050	243	125	94.4*	30.0
Dibromomethane	Ave	0.1137	0.1206		5.31	5.00	6.1	30.0
Bromodichloromethane	Ave	0.3129	0.3305	0.2000	5.28	5.00	5.6	30.0
2-Nitropropane	Ave	3.830	3.969		5.18	5.00	3.6	30.0
1-Bromo-2-chloroethane	Ave	0.2305	0.2292		4.97	5.00	-0.6	30.0
cis-1,3-Dichloropropene	Ave	0.3641	0.3685	0.2000	5.06	5.00	1.2	30.0
4-Methyl-2-pentanone (MIBK)	Ave	13.94	14.20	0.1000	63.7	62.5	1.9	30.0
Toluene	Ave	0.8259	0.8779	0.4000	5.31	5.00	6.3	30.0
trans-1,3-Dichloropropene	Ave	0.3969	0.4134	0.1000	5.21	5.00	4.2	30.0
Ethyl methacrylate	Ave	0.2946	0.2979		5.06	5.00	1.1	30.0
1,1,2-Trichloroethane	Ave	0.2079	0.2159	0.1000	5.19	5.00	3.8	30.0
Tetrachloroethene	Ave	0.3946	0.4282	0.2000	5.43	5.00	8.5	30.0
1,3-Dichloropropane	Ave	0.3562	0.3711		5.21	5.00	4.2	30.0
2-Hexanone	Ave	9.279	9.657	0.1000	65.0	62.5	4.1	30.0
Dibromochloromethane	Ave	0.2773	0.2964		5.34	5.00	6.9	30.0
1,2-Dibromoethane (EDB)	Ave	0.2005	0.2087	0.1000	5.20	5.00	4.1	30.0
1-Chlorohexane	Ave	0.4716	0.4671		4.95	5.00	-1.0	30.0
Chlorobenzene	Ave	0.9001	0.9628	0.5000	5.35	5.00	7.0	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3281	0.3532		5.38	5.00	7.7	30.0
Ethylbenzene	Ave	1.609	1.728	0.1000	5.37	5.00	7.4	30.0
m&p-Xylene	Ave	0.6214	0.6698	0.1000	10.8	10.0	7.8	30.0
o-Xylene	Ave	0.6094	0.6474	0.3000	5.31	5.00	6.2	30.0
Styrene	Ave	0.9854	1.059	0.3000	5.38	5.00	7.5	30.0
Bromoform	Ave	0.1748	0.1778	0.1000	5.09	5.00	1.7	30.0
Isopropylbenzene	Ave	1.495	1.740	0.1000	5.82	5.00	16.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.4576	0.4494	0.3000	4.91	5.00	-1.8	30.0
Bromobenzene	Ave	0.6819	0.7173		5.26	5.00	5.2	30.0
trans-1,4-Dichloro-2-butene	Ave	5.692	5.872		25.8	25.0	3.2	30.0
1,2,3-Trichloropropane	Ave	0.1223	0.1223		5.00	5.00	0.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Lab Sample ID: ICV 410-431955/21 Calibration Date: 10/17/2023 10:24

Instrument ID: 19094 Calib Start Date: 10/17/2023 07:43

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/17/2023 09:43

Lab File ID: HO16X20.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Propylbenzene	Ave	3.233	3.589		5.55	5.00	11.0	30.0
2-Chlorotoluene	Ave	0.6769	0.7271		5.37	5.00	7.4	30.0
1,3,5-Trimethylbenzene	Ave	2.342	2.527		5.39	5.00	7.9	30.0
4-Chlorotoluene	Ave	0.6915	0.7363		5.32	5.00	6.5	30.0
tert-Butylbenzene	Ave	0.5347	0.5660		5.29	5.00	5.9	30.0
Pentachloroethane	Ave	0.4360	0.4490		5.15	5.00	3.0	30.0
1,2,4-Trimethylbenzene	Ave	2.368	2.507		5.29	5.00	5.8	30.0
sec-Butylbenzene	Ave	2.853	3.129		5.48	5.00	9.7	30.0
1,3-Dichlorobenzene	Ave	1.307	1.383	0.6000	5.29	5.00	5.8	30.0
p-Isopropyltoluene	Ave	2.513	2.689		5.35	5.00	7.0	30.0
1,4-Dichlorobenzene	Ave	1.319	1.380	0.5000	5.23	5.00	4.7	30.0
1,2,3-Trimethylbenzene	Ave	1.057	1.052		4.98	5.00	-0.4	30.0
Benzyl chloride	Ave	0.1911	0.1856		4.86	5.00	-2.9	30.0
n-Butylbenzene	Ave	1.140	1.243		5.45	5.00	9.0	30.0
1,2-Dichlorobenzene	Ave	1.174	1.241	0.4000	5.28	5.00	5.7	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0605	0.0598	0.0500	4.94	5.00	-1.2	30.0
1,3,5-Trichlorobenzene	Ave	0.8812	0.9410		5.34	5.00	6.8	30.0
1,2,4-Trichlorobenzene	Ave	0.6818	0.7369	0.2000	5.40	5.00	8.1	30.0
Hexachlorobutadiene	Ave	0.2642	0.3058		5.79	5.00	15.7	30.0
Naphthalene	Ave	1.082	1.126		5.20	5.00	4.1	30.0
1,2,3-Trichlorobenzene	Ave	0.4850	0.5067		5.22	5.00	4.5	30.0
Dibromofluoromethane (Surr)	Ave	0.2534	0.2532		9.99	10.0	-0.0	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0478	0.0476		9.96	10.0	-0.4	30.0
Toluene-d8 (Surr)	Ave	1.322	1.324		10.0	10.0	0.2	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4949	0.4927		9.96	10.0	-0.4	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X20.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 17-Oct-2023 10:24:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0096799-021
Operator ID: GAW91131 Instrument ID: 19094
Sublist:

Method: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 20-Oct-2023 13:29:23 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1675

First Level Reviewer: DVW2 Date: 17-Oct-2023 12:28:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.867	1.873	-0.006	99	281793	5.00	5.26	M
5 Chloromethane	50	2.056	2.056	0.000	99	289532	5.00	4.92	
6 Vinyl chloride	62	2.166	2.172	-0.006	97	285332	5.00	5.06	
7 Butadiene	39	2.172	2.178	-0.006	92	254346	5.00	4.15	
9 Bromomethane	94	2.483	2.483	0.000	91	205011	5.00	5.10	
10 Chloroethane	64	2.562	2.562	0.000	100	171704	5.00	5.27	
11 Dichlorofluoromethane	67	2.788	2.788	0.000	97	423069	5.00	4.70	
12 Trichlorofluoromethane	101	2.855	2.855	0.000	98	351283	5.00	5.20	
14 Ethyl ether	59	3.074	3.080	-0.006	93	136894	5.01	4.39	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.153	3.160	-0.007	93	254396	5.00	5.25	
16 Acrolein	56	3.239	3.239	0.000	98	144122	37.5	36.1	
17 1,1-Dichloroethene	96	3.367	3.373	-0.006	97	194308	5.00	5.13	
19 Acetone	43	3.385	3.391	-0.006	99	300221	62.5	60.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.422	3.416	0.006	91	171154	5.00	4.91	
21 Iodomethane	142	3.556	3.556	0.000	99	375410	5.00	5.01	
22 Ethyl bromide	108	3.580	3.580	0.000	99	175823	5.06	5.18	
23 Carbon disulfide	76	3.659	3.666	-0.007	100	518885	5.00	4.92	
24 Methyl acetate	43	3.794	3.800	-0.006	99	59810	5.00	4.15	
26 3-Chloro-1-propene	41	3.818	3.818	0.000	88	302743	5.00	4.77	
* 28 t-Butyl alcohol-d10 (IS)	65	3.989	3.995	-0.006	98	81596	50.0	50.0	a
27 Methylene Chloride	84	3.989	3.995	-0.006	92	202913	5.00	5.04	
29 2-Methyl-2-propanol	59	4.117	4.111	0.006	99	68126	50.0	46.6	
31 Acrylonitrile	53	4.318	4.312	0.006	99	167645	25.0	26.0	
32 Methyl tert-butyl ether	73	4.385	4.391	-0.006	96	468434	5.00	4.90	
33 trans-1,2-Dichloroethene	96	4.397	4.397	0.000	99	220687	5.00	5.12	
34 Hexane	57	4.830	4.824	0.006	94	242160	5.00	5.18	
36 1,1-Dichloroethane	63	5.056	5.056	0.000	96	416928	5.00	5.44	
37 Isopropyl ether	45	5.116	5.123	-0.007	93	630294	5.00	4.99	
38 2-Chloro-1,3-butadiene	53	5.171	5.172	-0.001	93	356789	5.00	5.15	
40 Tert-butyl ethyl ether	59	5.659	5.665	-0.006	98	623325	5.00	5.01	
41 2-Butanone (MEK)	43	5.866	5.873	-0.007	100	545300	62.5	67.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	5.897	5.897	0.000	83	247321	5.00	5.12	
43 2,2-Dichloropropane	77	5.909	5.909	0.000	87	376518	5.00	5.30	
44 Propionitrile	54	5.952	5.952	0.000	97	68685	37.5	30.5	
47 Methacrylonitrile	67	6.165	6.171	-0.006	92	349222	37.5	38.9	
48 Chlorobromomethane	128	6.232	6.232	0.000	92	104886	5.00	5.43	
49 Tetrahydrofuran	71	6.250	6.257	-0.007	84	58309	25.0	22.5	
50 Chloroform	83	6.385	6.385	0.000	94	415363	5.00	5.26	
$ 52 Dibromofluoromethane (Surr)	113	6.604	6.604	0.000	94	459067	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.610	6.616	-0.006	98	392294	5.00	5.30	
54 Cyclohexane	56	6.720	6.720	0.000	91	330916	5.00	4.92	
56 Carbon tetrachloride	117	6.830	6.830	0.000	95	345094	5.00	5.57	
55 1,1-Dichloropropene	75	6.836	6.836	0.000	95	322451	5.00	5.41	
57 Isobutyl alcohol	41	6.988	6.988	0.000	94	60251	125.0	130.3	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.061	7.061	0.000	95	86278	10.0	9.96	
59 Benzene	78	7.098	7.098	0.000	97	914723	5.00	5.29	
60 1,2-Dichloroethane	62	7.171	7.171	0.000	98	259673	5.00	5.15	
63 Tert-amyl methyl ether	73	7.299	7.299	0.000	97	529971	5.00	5.03	
* 64 Fluorobenzene (IS)	96	7.506	7.513	-0.007	98	1813311	10.0	10.0	
65 n-Heptane	43	7.525	7.525	0.000	91	246126	5.00	5.34	
67 n-Butanol	56	7.896	7.891	0.006	91	91217	250.0	247.7	
68 Trichloroethene	95	7.994	8.000	-0.006	97	252455	5.00	5.17	
69 Methylcyclohexane	83	8.305	8.305	0.000	90	348543	5.00	5.27	
70 1,2-Dichloropropane	63	8.329	8.329	0.000	92	227919	5.00	5.36	
71 2-ethoxy-2-methyl butane	87	8.341	8.342	-0.001	92	327090	5.00	4.81	
72 Methyl methacrylate	69	8.421	8.421	0.000	89	93041	5.00	5.05	
73 1,4-Dioxane	88	8.427	8.433	-0.006	30	14196	125.0	243.0	M
74 Dibromomethane	93	8.439	8.439	0.000	95	109358	5.00	5.31	
76 Dichlorobromomethane	83	8.677	8.677	0.000	99	299666	5.00	5.28	
77 2-Nitropropane	41	8.939	8.939	0.000	98	32388	5.00	5.18	
79 1-Bromo-2-chloroethane	63	9.079	9.073	0.006	99	207804	5.00	4.97	
80 cis-1,3-Dichloropropene	75	9.238	9.238	0.000	94	334115	5.00	5.06	
82 4-Methyl-2-pentanone (MIBK)	43	9.421	9.421	0.000	97	1447997	62.5	63.7	
$ 83 Toluene-d8 (Surr)	98	9.561	9.561	0.000	94	1824041	10.0	10.0	
84 Toluene	92	9.634	9.640	-0.006	98	604875	5.00	5.31	
85 trans-1,3-Dichloropropene	75	9.902	9.902	0.000	96	284830	5.00	5.21	
104 Ethyl methacrylate	69	9.975	9.975	0.000	88	205230	5.00	5.06	
106 1,1,2-Trichloroethane	97	10.109	10.116	-0.007	92	148735	5.00	5.19	
107 Tetrachloroethene	166	10.201	10.201	0.000	97	294991	5.00	5.43	
108 1,3-Dichloropropane	76	10.280	10.280	0.000	92	255678	5.00	5.21	
109 2-Hexanone	43	10.335	10.335	0.000	97	984964	62.5	65.0	
111 Chlorodibromomethane	129	10.500	10.500	0.000	90	204186	5.00	5.34	
112 Ethylene Dibromide	107	10.609	10.609	0.000	98	143769	5.00	5.20	
* 113 Chlorobenzene-d5 (IS)	117	11.048	11.048	0.000	86	1377945	10.0	10.0	
114 1-Chlorohexane	91	11.060	11.061	-0.001	98	321787	5.00	4.95	
115 Chlorobenzene	112	11.073	11.073	0.000	94	663350	5.00	5.35	
116 1,1,1,2-Tetrachloroethane	131	11.158	11.158	0.000	96	243342	5.00	5.38	
117 Ethylbenzene	91	11.164	11.164	0.000	99	1190220	5.00	5.37	
119 m-Xylene & p-Xylene	106	11.280	11.280	0.000	100	922941	10.0	10.8	
120 o-Xylene	106	11.609	11.609	0.000	97	446021	5.00	5.31	
121 Styrene	104	11.627	11.628	-0.001	95	729846	5.00	5.38	
122 Bromoform	173	11.786	11.786	0.000	97	122468	5.00	5.09	
123 Isopropylbenzene	105	11.914	11.914	0.000	96	1198581	5.00	5.82	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 126 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	92	678943	10.0	9.96	
127 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	94	174955	5.00	4.91	
128 Bromobenzene	156	12.176	12.176	0.000	95	279242	5.00	5.26	
129 trans-1,4-Dichloro-2-butene	53	12.188	12.188	0.000	94	239576	25.0	25.8	
130 1,2,3-Trichloropropane	110	12.207	12.207	0.000	84	47611	5.00	5.00	
131 N-Propylbenzene	91	12.249	12.249	0.000	99	1397416	5.00	5.55	
132 2-Chlorotoluene	126	12.322	12.323	-0.001	96	283058	5.00	5.37	
133 1,3,5-Trimethylbenzene	105	12.383	12.384	-0.001	95	983656	5.00	5.39	
134 4-Chlorotoluene	126	12.414	12.414	0.000	98	286675	5.00	5.32	
135 tert-Butylbenzene	134	12.627	12.627	0.000	93	220344	5.00	5.29	
136 Pentachloroethane	167	12.658	12.658	0.000	93	174811	5.00	5.15	
137 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	975862	5.00	5.29	
138 sec-Butylbenzene	105	12.792	12.792	0.000	94	1218095	5.00	5.48	
139 1,3-Dichlorobenzene	146	12.889	12.890	-0.001	98	538458	5.00	5.29	
140 4-Isopropyltoluene	119	12.902	12.902	0.000	97	1046826	5.00	5.35	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	778640	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.963	12.963	0.000	94	537394	5.00	5.23	
143 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	99	409517	5.00	4.98	
144 Benzyl chloride	126	13.042	13.042	0.000	99	72265	5.00	4.86	
145 p-Diethylbenzene	119	13.170	13.170	0.000	96	617989	5.00	5.44	
146 n-Butylbenzene	92	13.194	13.194	0.000	98	483817	5.00	5.45	
147 1,2-Dichlorobenzene	146	13.225	13.225	0.000	98	482970	5.00	5.28	
149 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	86	23267	5.00	4.94	
150 1,3,5-Trichlorobenzene	180	13.895	13.895	0.000	98	366369	5.00	5.34	
151 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	286873	5.00	5.40	
152 Hexachlorobutadiene	225	14.401	14.401	0.000	95	119044	5.00	5.79	
153 Naphthalene	128	14.499	14.493	0.006	97	438410	5.00	5.20	
154 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	95	197249	5.00	5.22	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LCS_VOC#1_00134	Amount Added:	12.50	Units: uL	
MSV_LCS_Penta_00033	Amount Added:	12.50	Units: uL	
MSV_QC_Gas826_00164	Amount Added:	12.50	Units: uL	
MSV_LCS_EE_00007	Amount Added:	12.50	Units: uL	
LCS_ETBR_00006	Amount Added:	12.50	Units: uL	
MSV_LCS_ACROL_00135	Amount Added:	12.50	Units: uL	
MSV_LLcentISS_00009	Amount Added:	5.00	Units: uL	Run Reagent

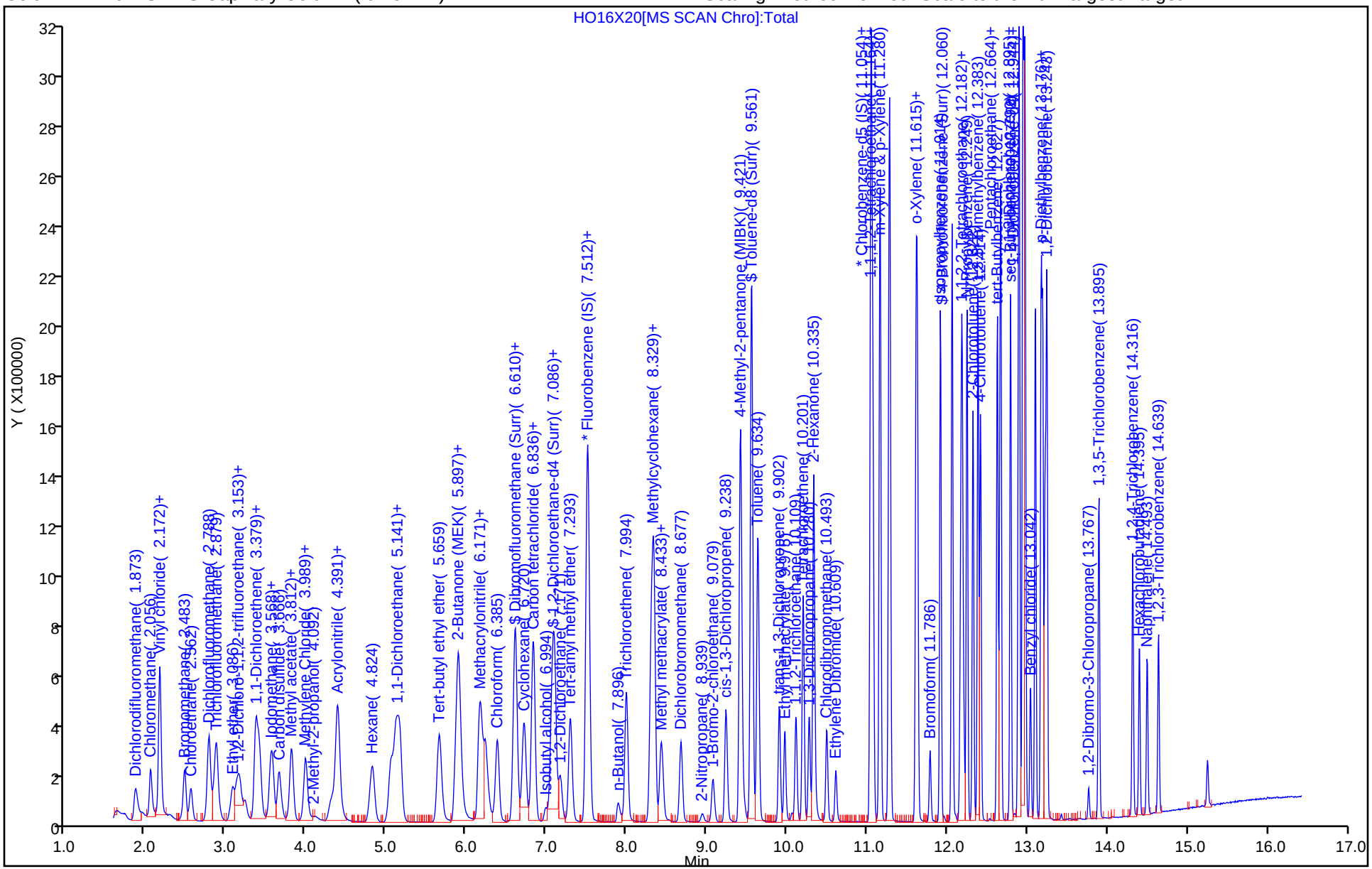
Report Date: 20-Oct-2023 13:29:48 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X20.D

Injection Date:	17-Oct-2023 10:24:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	ICV			Worklist Smp#:	21
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

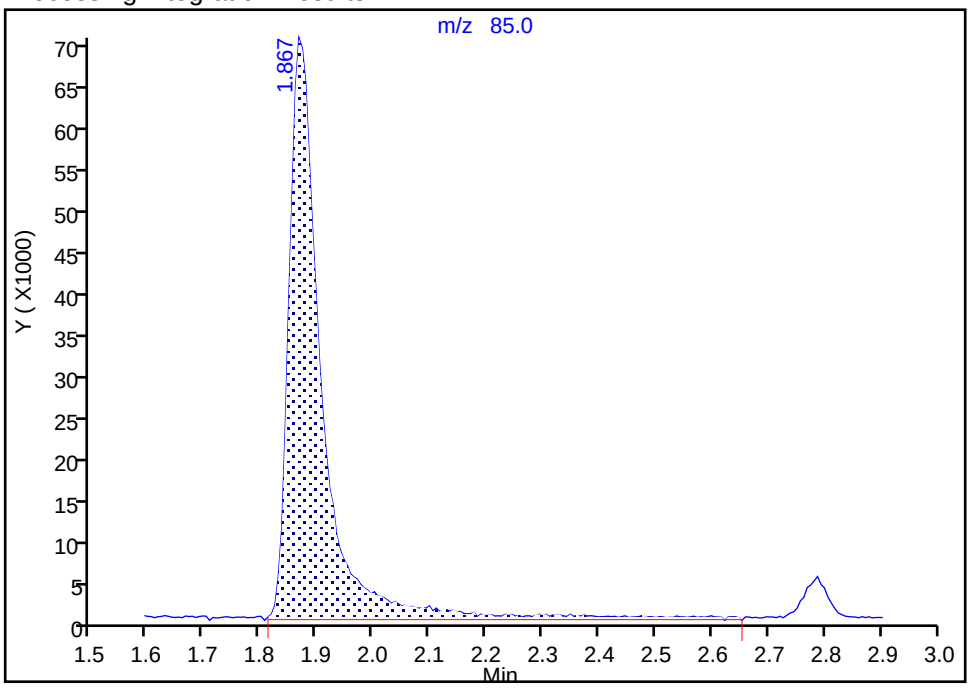
Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X20.D
Injection Date: 17-Oct-2023 10:24:30 Instrument ID: 19094
Lims ID: ICV
Client ID:
Operator ID: GAW91131 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

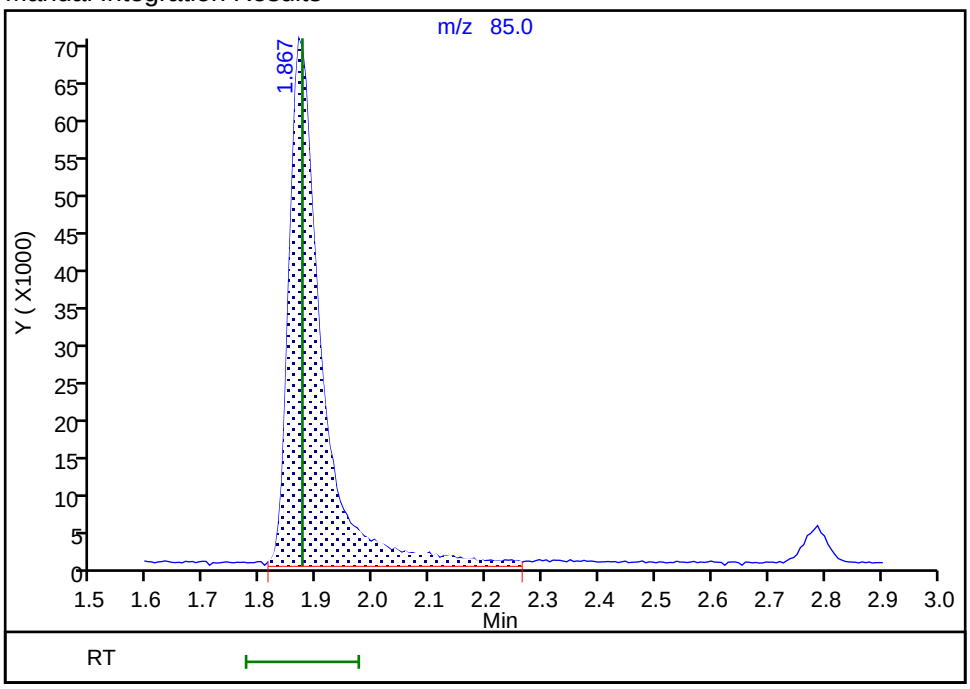
Processing Integration Results

RT: 1.87
Area: 292653
Amount: 5.484982
Amount Units: ug/l



Manual Integration Results

RT: 1.87
Area: 281793
Amount: 5.258267
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:41:37 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

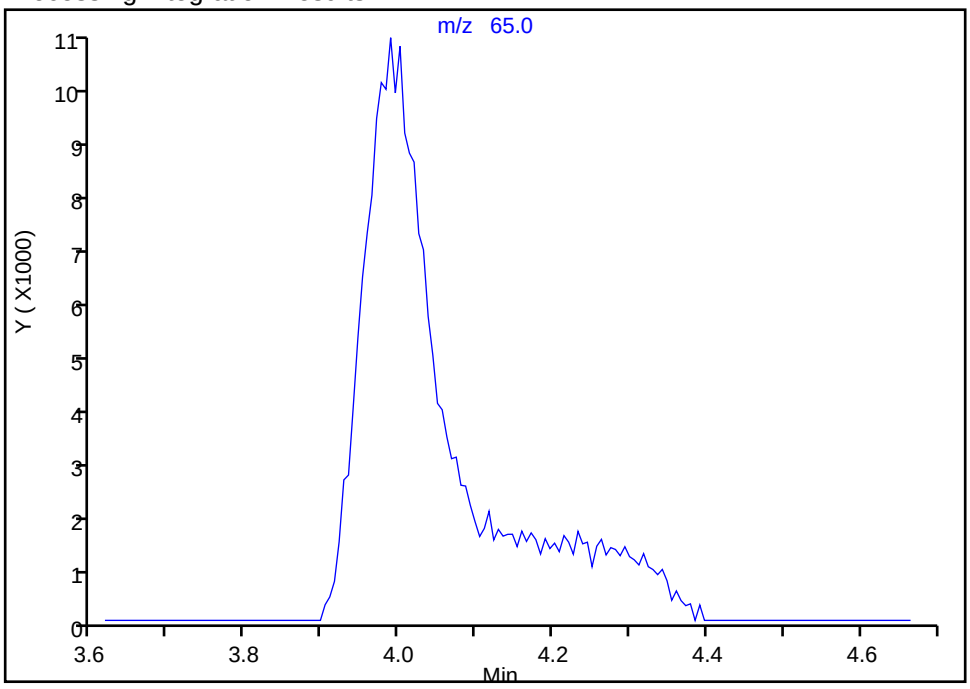
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X20.D				
Injection Date:	17-Oct-2023 10:24:30	Instrument ID:	19094		
Lims ID:	ICV				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 28 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

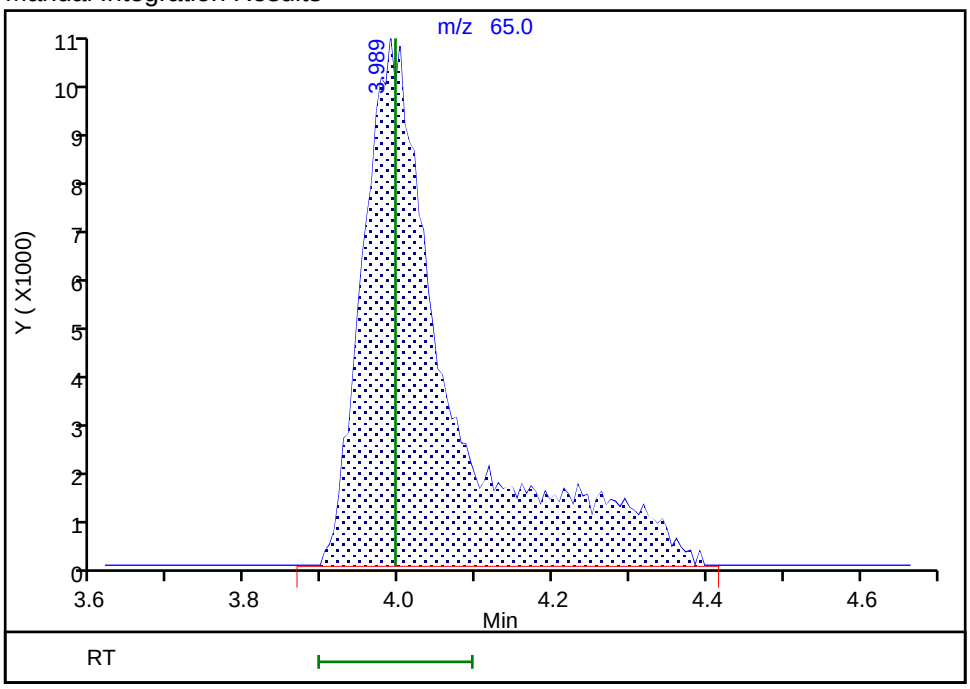
Not Detected
Expected RT: 3.99

Processing Integration Results



Manual Integration Results

RT: 3.99
Area: 81596
Amount: 50.000000
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:41:28 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

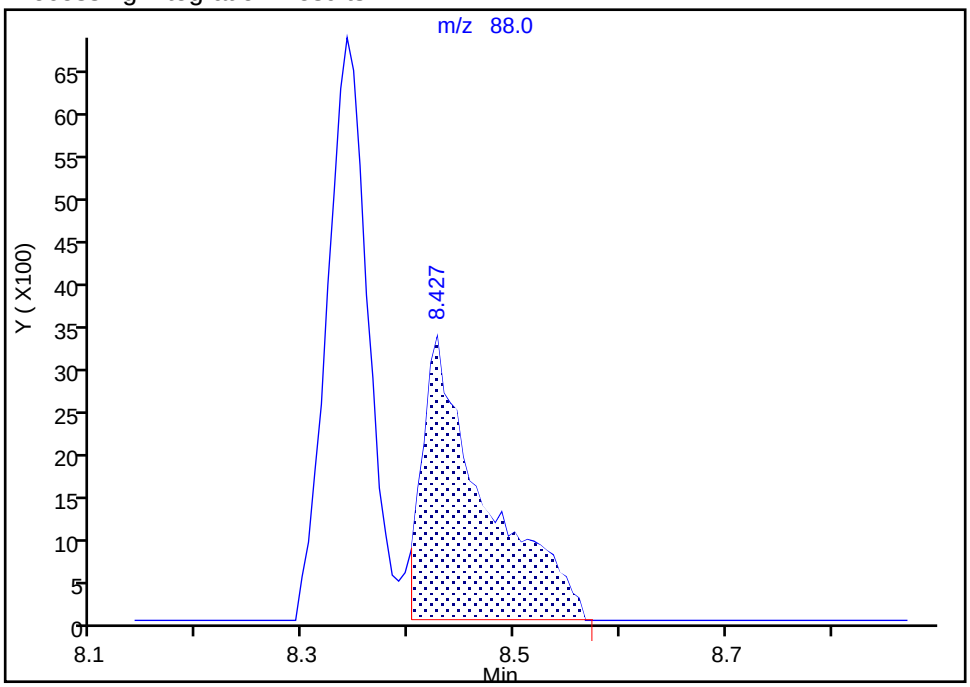
Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X20.D				
Injection Date:	17-Oct-2023 10:24:30	Instrument ID:	19094		
Lims ID:	ICV				
Client ID:					
Operator ID:	GAW91131	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

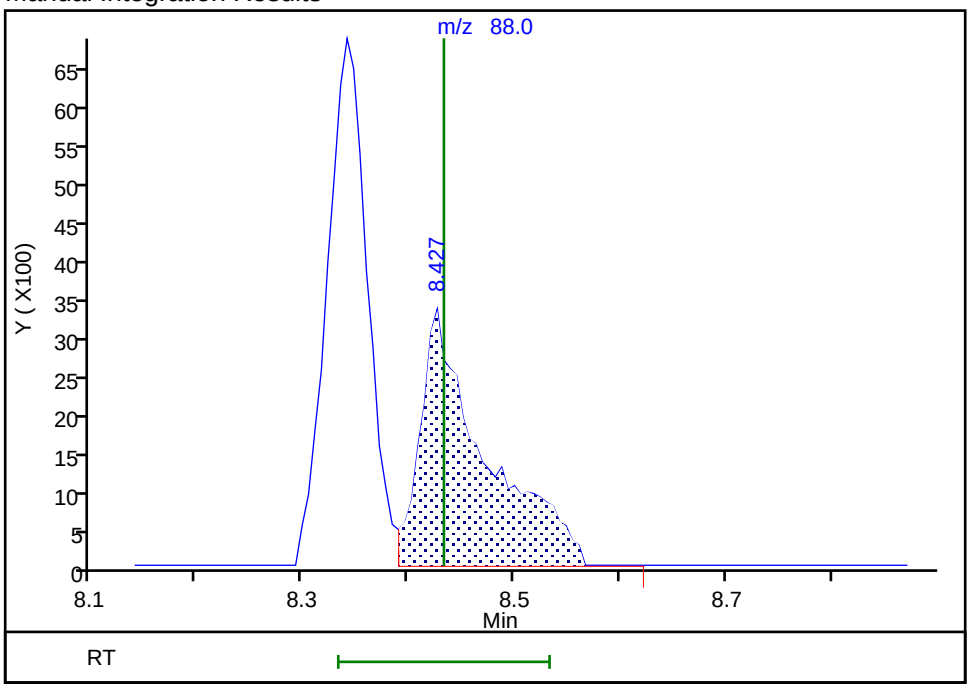
Processing Integration Results

RT: 8.43
Area: 13820
Amount: 238.3408
Amount Units: ug/l



Manual Integration Results

RT: 8.43
Area: 14196
Amount: 242.9875
Amount Units: ug/l



Reviewer: DVW2, 18-Oct-2023 08:42:35 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Lab Sample ID: CCVIS 410-487972/3 Calibration Date: 03/28/2024 08:00

Instrument ID: 19094 Calib Start Date: 10/17/2023 07:43

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/17/2023 09:43

Lab File ID: HM28X02.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	0.2955	0.2699	0.1000	9.13	10.0	-8.7	20.0
Chloromethane	Ave	0.3245	0.3131	0.1000	9.65	10.0	-3.5	20.0
Vinyl chloride	Ave	0.3113	0.3008	0.1000	9.66	10.0	-3.4	20.0
1,3-Butadiene	Ave	0.3376	0.2463		7.29	10.0	-27.1*	20.0
Bromomethane	Ave	0.2216	0.2234	0.1000	10.1	10.0	0.8	20.0
Chloroethane	Ave	0.1797	0.1892	0.1000	10.5	10.0	5.3	20.0
Dichlorofluoromethane	Ave	0.4969	0.4888		9.84	10.0	-1.6	20.0
Trichlorofluoromethane	Ave	0.3725	0.3654	0.1000	9.81	10.0	-1.9	20.0
Ethyl ether	Ave	0.1719	0.1631		9.49	10.0	-5.1	20.0
Freon 123a	Ave	0.2673	0.2746		10.3	10.0	2.7	20.0
Acrolein	Ave	2.449	1.113		227	500	-54.6*	20.0
1,1-Dichloroethene	Ave	0.2090	0.2087	0.1000	9.98	10.0	-0.2	20.0
Acetone	Ave	3.026	2.531	0.1000	83.6	100	-16.4	20.0
Freon 113	Ave	0.1923	0.2108	0.1000	11.0	10.0	9.6	20.0
Methyl iodide	Ave	0.4129	0.4099		9.93	10.0	-0.7	20.0
Ethyl bromide	Ave	0.1871	0.1935		10.3	10.0	3.4	20.0
Carbon disulfide	Ave	0.5820	0.6517	0.1000	11.2	10.0	12.0	20.0
Methyl acetate	Ave	8.821	8.917	0.1000	10.1	10.0	1.1	20.0
Allyl chloride	Ave	0.3497	0.3702		10.6	10.0	5.9	20.0
Methylene Chloride	Ave	0.2218	0.2369	0.1000	10.7	10.0	6.8	20.0
t-Butyl alcohol	Ave	0.8959	0.4700		105	200	-47.5*	20.0
Acrylonitrile	Ave	3.950	3.838		24.3	25.0	-2.8	20.0
Methyl tert-butyl ether	Ave	0.5270	0.5280	0.1000	10.0	10.0	0.2	20.0
trans-1,2-Dichloroethene	Ave	0.2375	0.2413	0.1000	10.2	10.0	1.6	20.0
n-Hexane	Ave	0.2577	0.3323		12.9	10.0	29.0*	20.0
1,1-Dichloroethane	Ave	0.4229	0.4593	0.2000	10.9	10.0	8.6	20.0
di-Isopropyl ether	Ave	0.6967	0.7342		10.5	10.0	5.4	20.0
2-Chloro-1,3-butadiene	Ave	0.3824	0.3718		9.72	10.0	-2.8	20.0
Ethyl t-butyl ether	Ave	0.6856	0.6545		9.55	10.0	-4.5	20.0
2-Butanone (MEK)	Ave	4.948	5.215	0.1000	105	100	5.4	20.0
cis-1,2-Dichloroethene	Ave	0.2665	0.2678	0.1000	10.0	10.0	0.5	20.0
2,2-Dichloropropane	Ave	0.3921	0.3899		9.94	10.0	-0.6	20.0
Propionitrile	Ave	1.378	1.483		215	200	7.6	20.0
Methacrylonitrile	Ave	5.500	5.445		99.0	100	-1.0	20.0
Bromochloromethane	Ave	0.1065	0.1181		11.1	10.0	11.0	20.0
Tetrahydrofuran	Ave	1.587	1.486		46.8	50.0	-6.4	20.0
Chloroform	Ave	0.4355	0.4424	0.2000	10.2	10.0	1.6	20.0
1,1,1-Trichloroethane	Ave	0.4085	0.3816	0.1000	9.34	10.0	-6.6	20.0
Cyclohexane	Ave	0.3708	0.4038	0.1000	10.9	10.0	8.9	20.0
Carbon tetrachloride	Ave	0.3419	0.3432	0.1000	10.0	10.0	0.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Lab Sample ID: CCVIS 410-487972/3 Calibration Date: 03/28/2024 08:00

Instrument ID: 19094 Calib Start Date: 10/17/2023 07:43

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/17/2023 09:43

Lab File ID: HM28X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1-Dichloropropene	Ave	0.3288	0.3487		10.6	10.0	6.0	20.0
Isobutyl alcohol	Ave	0.2834	0.2895		511	500	2.2	20.0
Benzene	Ave	0.9541	1.056	0.5000	11.1	10.0	10.7	20.0
1,2-Dichloroethane	Ave	0.2779	0.2682	0.1000	9.65	10.0	-3.5	20.0
t-Amyl methyl ether	Ave	0.5813	0.5922		10.2	10.0	1.9	20.0
n-Heptane	Ave	0.2544	0.3487		13.7	10.0	37.1*	20.0
n-Butanol	Ave	0.2257	0.2586		1000	875	14.6	20.0
Trichloroethene	Ave	0.2692	0.2749	0.2000	10.2	10.0	2.1	20.0
Methylcyclohexane	Ave	0.3647	0.4208	0.1000	11.5	10.0	15.4	20.0
1,2-Dichloropropane	Ave	0.2347	0.2737	0.1000	11.7	10.0	16.6	20.0
Methyl methacrylate	Ave	11.30	10.62		9.40	10.0	-6.0	20.0
1,4-Dioxane	Lin2		0.0490	0.0050	645	500	29.0*	20.0
Dibromomethane	Ave	0.1137	0.1258		11.1	10.0	10.7	20.0
Bromodichloromethane	Ave	0.3129	0.3158	0.2000	10.1	10.0	0.9	20.0
2-Nitropropane	Ave	3.830	3.043		39.7	50.0	-20.6*	20.0
1-Bromo-2-chloroethane	Ave	0.2305	0.2755		12.0	10.0	19.5	20.0
cis-1,3-Dichloropropene	Ave	0.3641	0.4016	0.2000	11.0	10.0	10.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	13.94	13.39	0.1000	96.1	100	-3.9	20.0
Toluene	Ave	0.8259	0.8337	0.4000	10.1	10.0	0.9	20.0
trans-1,3-Dichloropropene	Ave	0.3969	0.4148	0.1000	10.4	10.0	4.5	20.0
Ethyl methacrylate	Ave	0.2946	0.3040		10.3	10.0	3.2	20.0
1,1,2-Trichloroethane	Ave	0.2079	0.2180	0.1000	10.5	10.0	4.8	20.0
Tetrachloroethene	Ave	0.3946	0.3978	0.2000	10.1	10.0	0.8	20.0
1,3-Dichloropropane	Ave	0.3562	0.3910		11.0	10.0	9.8	20.0
2-Hexanone	Ave	9.279	9.345	0.1000	101	100	0.7	20.0
Dibromochloromethane	Ave	0.2773	0.2818		10.2	10.0	1.6	20.0
1,2-Dibromoethane (EDB)	Ave	0.2005	0.2105	0.1000	10.5	10.0	5.0	20.0
1-Chlorohexane	Ave	0.4716	0.4618		9.79	10.0	-2.1	20.0
Chlorobenzene	Ave	0.9001	0.9317	0.5000	10.4	10.0	3.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3281	0.3208		9.78	10.0	-2.2	20.0
Ethylbenzene	Ave	1.609	1.602	0.1000	9.96	10.0	-0.4	20.0
m&p-Xylene	Ave	0.6214	0.6364	0.1000	20.5	20.0	2.4	20.0
o-Xylene	Ave	0.6094	0.6078	0.3000	9.97	10.0	-0.3	20.0
Styrene	Ave	0.9854	0.9938	0.3000	10.1	10.0	0.9	20.0
Bromoform	Ave	0.1748	0.1765	0.1000	10.1	10.0	1.0	20.0
Isopropylbenzene	Ave	1.495	1.473	0.1000	9.85	10.0	-1.5	20.0
1,1,2,2-Tetrachloroethane	Ave	0.4576	0.4575	0.3000	10.0	10.0	-0.0	20.0
Bromobenzene	Ave	0.6819	0.6650		9.75	10.0	-2.5	20.0
trans-1,4-Dichloro-2-butene	Ave	5.692	5.569		97.8	100	-2.2	20.0
1,2,3-Trichloropropane	Ave	0.1223	0.1254		10.3	10.0	2.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Lab Sample ID: CCVIS 410-487972/3 Calibration Date: 03/28/2024 08:00

Instrument ID: 19094 Calib Start Date: 10/17/2023 07:43

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/17/2023 09:43

Lab File ID: HM28X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Propylbenzene	Ave	3.233	3.253		10.1	10.0	0.6	20.0
2-Chlorotoluene	Ave	0.6769	0.6510		9.62	10.0	-3.8	20.0
1,3,5-Trimethylbenzene	Ave	2.342	2.298		9.81	10.0	-1.9	20.0
4-Chlorotoluene	Ave	0.6915	0.6737		9.74	10.0	-2.6	20.0
tert-Butylbenzene	Ave	0.5347	0.5033		9.41	10.0	-5.9	20.0
Pentachloroethane	Ave	0.4360	0.4133		9.48	10.0	-5.2	20.0
1,2,4-Trimethylbenzene	Ave	2.368	2.329		9.83	10.0	-1.7	20.0
sec-Butylbenzene	Ave	2.853	2.873		10.1	10.0	0.7	20.0
1,3-Dichlorobenzene	Ave	1.307	1.305	0.6000	9.98	10.0	-0.2	20.0
p-Isopropyltoluene	Ave	2.513	2.510		9.99	10.0	-0.1	20.0
1,4-Dichlorobenzene	Ave	1.319	1.313	0.5000	9.96	10.0	-0.4	20.0
1,2,3-Trimethylbenzene	Ave	1.057	1.016		9.61	10.0	-3.9	20.0
Benzyl chloride	Ave	0.1911	0.2076		10.9	10.0	8.7	20.0
n-Butylbenzene	Ave	1.140	1.174		10.3	10.0	3.0	20.0
1,2-Dichlorobenzene	Ave	1.174	1.172	0.4000	9.98	10.0	-0.2	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0605	0.0618	0.0500	10.2	10.0	2.2	20.0
1,3,5-Trichlorobenzene	Ave	0.8812	0.8174		9.28	10.0	-7.2	20.0
1,2,4-Trichlorobenzene	Ave	0.6818	0.6553	0.2000	9.61	10.0	-3.9	20.0
Hexachlorobutadiene	Ave	0.2642	0.2293		8.68	10.0	-13.2	20.0
Naphthalene	Ave	1.082	1.129		10.4	10.0	4.3	20.0
1,2,3-Trichlorobenzene	Ave	0.4850	0.4986		10.3	10.0	2.8	20.0
Dibromofluoromethane (Surr)	Ave	0.2534	0.2535		10.0	10.0	0.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0478	0.0519		10.9	10.0	8.6	20.0
Toluene-d8 (Surr)	Ave	1.322	1.297		9.81	10.0	-1.9	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4949	0.4900		9.90	10.0	-1.0	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X02.D
Lims ID: CCVIS VSTD10
Client ID:
Sample Type: CCVIS
Inject. Date: 28-Mar-2024 08:00:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109765-003
Misc. Info.: CCVIS
Operator ID: knk41612 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2024 09:48:40 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1664

First Level Reviewer: DVW2 Date: 28-Mar-2024 09:48:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.880	1.880	0.000	99	464872	10.0	9.13	
5 Chloromethane	50	2.062	2.062	0.000	99	539351	10.0	9.65	
6 Vinyl chloride	62	2.172	2.172	0.000	98	518205	10.0	9.66	
7 Butadiene	39	2.178	2.178	0.000	92	424213	10.0	7.29	
9 Bromomethane	94	2.489	2.489	0.000	91	384832	10.0	10.1	
10 Chloroethane	64	2.562	2.562	0.000	99	325896	10.0	10.5	
11 Dichlorofluoromethane	67	2.788	2.788	0.000	97	842099	10.0	9.84	
12 Trichlorofluoromethane	101	2.861	2.861	0.000	98	629415	10.0	9.81	
14 Ethyl ether	59	3.081	3.081	0.000	92	281082	10.0	9.49	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.160	3.160	0.000	95	473008	10.0	10.3	
16 Acrolein	56	3.239	3.239	0.000	99	1043664	500.0	227.1	
17 1,1-Dichloroethene	96	3.367	3.367	0.000	98	359500	10.0	9.98	
19 Acetone	43	3.398	3.398	0.000	86	474767	100.0	83.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.410	3.410	0.000	92	363044	10.0	11.0	
21 Iodomethane	142	3.556	3.556	0.000	98	706055	10.0	9.93	
22 Ethyl bromide	108	3.580	3.580	0.000	98	333478	10.0	10.3	
23 Carbon disulfide	76	3.660	3.660	0.000	99	1122635	10.0	11.2	
24 Methyl acetate	43	3.794	3.794	0.000	96	167280	10.0	10.1	M
26 3-Chloro-1-propene	41	3.818	3.818	0.000	93	637651	10.0	10.6	
27 Methylene Chloride	84	3.989	3.989	0.000	93	408018	10.0	10.7	
* 28 t-Butyl alcohol-d10 (IS)	65	3.989	3.989	0.000	98	93799	50.0	50.0	
29 2-Methyl-2-propanol	59	4.099	4.099	0.000	99	176326	200.0	104.9	
31 Acrylonitrile	53	4.324	4.324	0.000	97	180000	25.0	24.3	
32 Methyl tert-butyl ether	73	4.379	4.379	0.000	95	909529	10.0	10.0	
33 trans-1,2-Dichloroethene	96	4.385	4.385	0.000	98	415690	10.0	10.2	
34 Hexane	57	4.818	4.818	0.000	92	572496	10.0	12.9	
36 1,1-Dichloroethane	63	5.044	5.044	0.000	96	791158	10.0	10.9	
37 Isopropyl ether	45	5.111	5.111	0.000	94	1264700	10.0	10.5	
38 2-Chloro-1,3-butadiene	53	5.159	5.159	0.000	90	640409	10.0	9.72	
40 Tert-butyl ethyl ether	59	5.647	5.647	0.000	98	1127518	10.0	9.55	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.848	5.848	0.000	100	978254	100.0	105.4	
42 cis-1,2-Dichloroethene	96	5.885	5.885	0.000	83	461293	10.0	10.0	
43 2,2-Dichloropropane	77	5.897	5.897	0.000	86	671623	10.0	9.94	
44 Propionitrile	54	5.928	5.928	0.000	99	556253	200.0	215.2	
47 Methacrylonitrile	67	6.153	6.153	0.000	93	1021550	100.0	99.0	
48 Chlorobromomethane	128	6.220	6.220	0.000	96	203492	10.0	11.1	
49 Tetrahydrofuran	71	6.238	6.238	0.000	78	139359	50.0	46.8	
50 Chloroform	83	6.379	6.379	0.000	93	762091	10.0	10.2	
$ 52 Dibromofluoromethane (Surr)	113	6.592	6.592	0.000	94	436692	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.604	6.604	0.000	98	657284	10.0	9.34	
54 Cyclohexane	56	6.714	6.714	0.000	90	695523	10.0	10.9	
56 Carbon tetrachloride	117	6.818	6.818	0.000	96	591229	10.0	10.0	
55 1,1-Dichloropropene	75	6.824	6.824	0.000	96	600656	10.0	10.6	
57 Isobutyl alcohol	41	6.970	6.970	0.000	94	271571	500.0	510.8	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.049	7.049	0.000	88	89318	10.0	10.9	
59 Benzene	78	7.080	7.080	0.000	96	1819263	10.0	11.1	
60 1,2-Dichloroethane	62	7.159	7.159	0.000	97	462008	10.0	9.65	
63 Tert-amyl methyl ether	73	7.287	7.287	0.000	99	1020188	10.0	10.2	
* 64 Fluorobenzene (IS)	96	7.494	7.494	0.000	99	1722614	10.0	10.0	
65 n-Heptane	43	7.513	7.513	0.000	94	600659	10.0	13.7	
67 n-Butanol	56	7.872	7.872	0.000	87	424527	875.0	1002.8	
68 Trichloroethene	95	7.982	7.982	0.000	98	473481	10.0	10.2	
69 Methylcyclohexane	83	8.293	8.293	0.000	92	724831	10.0	11.5	
70 1,2-Dichloropropane	63	8.311	8.311	0.000	88	471508	10.0	11.7	
71 2-ethoxy-2-methyl butane	87	8.329	8.329	0.000	93	675049	10.0	10.5	
72 Methyl methacrylate	69	8.403	8.403	0.000	90	199205	10.0	9.40	
73 1,4-Dioxane	88	8.415	8.415	0.000	35	45918	500.0	645.1	
74 Dibromomethane	93	8.421	8.421	0.000	96	216759	10.0	11.1	
76 Dichlorobromomethane	83	8.665	8.665	0.000	99	543968	10.0	10.1	
77 2-Nitropropane	41	8.927	8.927	0.000	98	285442	50.0	39.7	
79 1-Bromo-2-chloroethane	63	9.061	9.061	0.000	99	474638	10.0	12.0	
80 cis-1,3-Dichloropropene	75	9.226	9.226	0.000	96	691749	10.0	11.0	
82 4-Methyl-2-pentanone (MIBK)	43	9.402	9.402	0.000	96	2512251	100.0	96.1	
$ 83 Toluene-d8 (Surr)	98	9.543	9.543	0.000	93	1825818	10.0	9.81	
84 Toluene	92	9.622	9.622	0.000	98	1173731	10.0	10.1	
85 trans-1,3-Dichloropropene	75	9.890	9.890	0.000	92	583969	10.0	10.4	
104 Ethyl methacrylate	69	9.963	9.963	0.000	89	427921	10.0	10.3	
106 1,1,2-Trichloroethane	97	10.104	10.104	0.000	91	306882	10.0	10.5	
107 Tetrachloroethene	166	10.189	10.189	0.000	98	560067	10.0	10.1	
108 1,3-Dichloropropane	76	10.268	10.268	0.000	89	550517	10.0	11.0	
109 2-Hexanone	43	10.323	10.323	0.000	98	1753118	100.0	100.7	
111 Chlorodibromomethane	129	10.488	10.488	0.000	90	396668	10.0	10.2	
112 Ethylene Dibromide	107	10.597	10.597	0.000	98	296421	10.0	10.5	
* 113 Chlorobenzene-d5 (IS)	117	11.042	11.042	0.000	85	1407849	10.0	10.0	
114 1-Chlorohexane	91	11.048	11.048	0.000	97	650109	10.0	9.79	
115 Chlorobenzene	112	11.067	11.067	0.000	95	1311738	10.0	10.4	
116 1,1,1,2-Tetrachloroethane	131	11.152	11.152	0.000	97	451611	10.0	9.78	
117 Ethylbenzene	91	11.158	11.158	0.000	98	2255462	10.0	9.96	
119 m-Xylene & p-Xylene	106	11.274	11.274	0.000	99	1791990	20.0	20.5	
120 o-Xylene	106	11.603	11.603	0.000	97	855677	10.0	9.97	
121 Styrene	104	11.622	11.622	0.000	95	1399132	10.0	10.1	
122 Bromoform	173	11.780	11.780	0.000	98	248419	10.0	10.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 Isopropylbenzene	105	11.908	11.908	0.000	96	2074295	10.0	9.85	
$ 126 4-Bromofluorobenzene (Surr)	95	12.054	12.054	0.000	92	689864	10.0	9.90	
127 1,1,2,2-Tetrachloroethane	83	12.158	12.158	0.000	92	373088	10.0	10.0	
128 Bromobenzene	156	12.170	12.170	0.000	96	542302	10.0	9.75	
129 trans-1,4-Dichloro-2-butene	53	12.182	12.182	0.000	92	1044813	100.0	97.8	
130 1,2,3-Trichloropropane	110	12.207	12.207	0.000	82	102249	10.0	10.3	
131 N-Propylbenzene	91	12.243	12.243	0.000	99	2653033	10.0	10.1	
132 2-Chlorotoluene	126	12.317	12.317	0.000	97	530913	10.0	9.62	
133 1,3,5-Trimethylbenzene	105	12.384	12.384	0.000	94	1873730	10.0	9.81	
134 4-Chlorotoluene	126	12.414	12.414	0.000	97	549385	10.0	9.74	
135 tert-Butylbenzene	134	12.621	12.621	0.000	93	410428	10.0	9.41	
136 Pentachloroethane	167	12.652	12.652	0.000	92	337026	10.0	9.48	
137 1,2,4-Trimethylbenzene	105	12.664	12.664	0.000	97	1899126	10.0	9.83	
138 sec-Butylbenzene	105	12.786	12.786	0.000	94	2342753	10.0	10.1	
139 1,3-Dichlorobenzene	146	12.890	12.890	0.000	98	1063848	10.0	9.98	
140 4-Isopropyltoluene	119	12.896	12.896	0.000	97	2047033	10.0	9.99	a
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	815477	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.963	12.963	0.000	96	1070783	10.0	9.96	
143 1,2,3-Trimethylbenzene	120	12.969	12.969	0.000	98	828164	10.0	9.61	
144 Benzyl chloride	126	13.036	13.036	0.000	98	169297	10.0	10.9	
145 p-Diethylbenzene	119	13.097	13.097	0.000	92	1151402	10.0	9.68	
146 n-Butylbenzene	92	13.188	13.188	0.000	97	957643	10.0	10.3	
147 1,2-Dichlorobenzene	146	13.219	13.219	0.000	99	955384	10.0	9.98	
149 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	87	50408	10.0	10.2	
150 1,3,5-Trichlorobenzene	180	13.895	13.895	0.000	98	666548	10.0	9.28	
151 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	534348	10.0	9.61	
152 Hexachlorobutadiene	225	14.401	14.401	0.000	96	186959	10.0	8.68	a
153 Naphthalene	128	14.499	14.499	0.000	97	920843	10.0	10.4	
154 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	95	406581	10.0	10.3	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00121	Amount Added: 20.00	Units: uL	
MSV_LL_#2_826_00128	Amount Added: 20.00	Units: uL	
MSV_LL_GAS826_00200	Amount Added: 20.00	Units: uL	
MSV_LLcentISS_00012	Amount Added: 5.00	Units: uL	Run Reagent

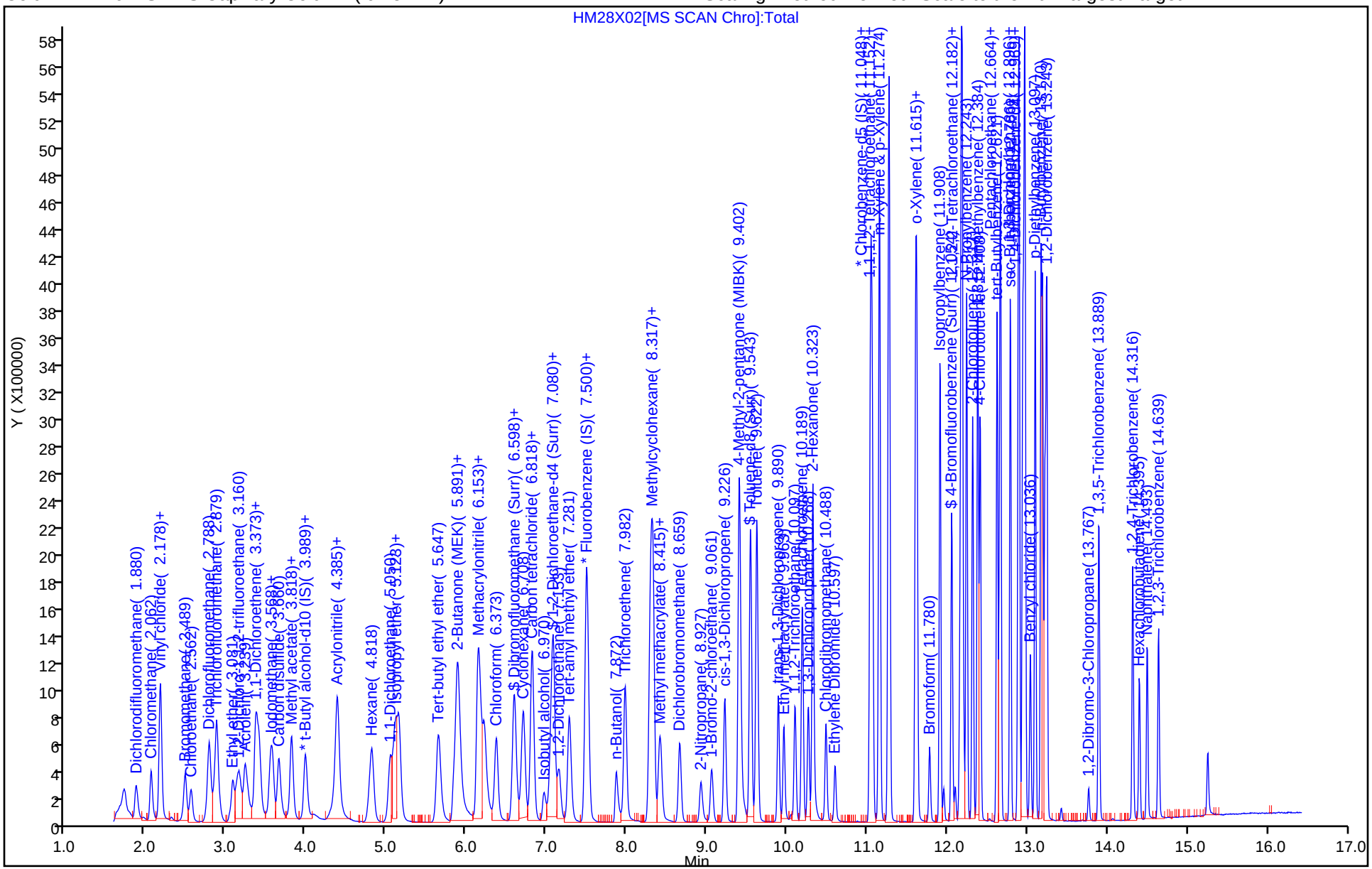
Report Date: 28-Mar-2024 09:48:41 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X02.D

Injection Date:	28-Mar-2024 08:00:30	Instrument ID:	19094	Operator ID:	knk41612
Lims ID:	CCVIS VSTD10			Worklist Smp#:	3
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

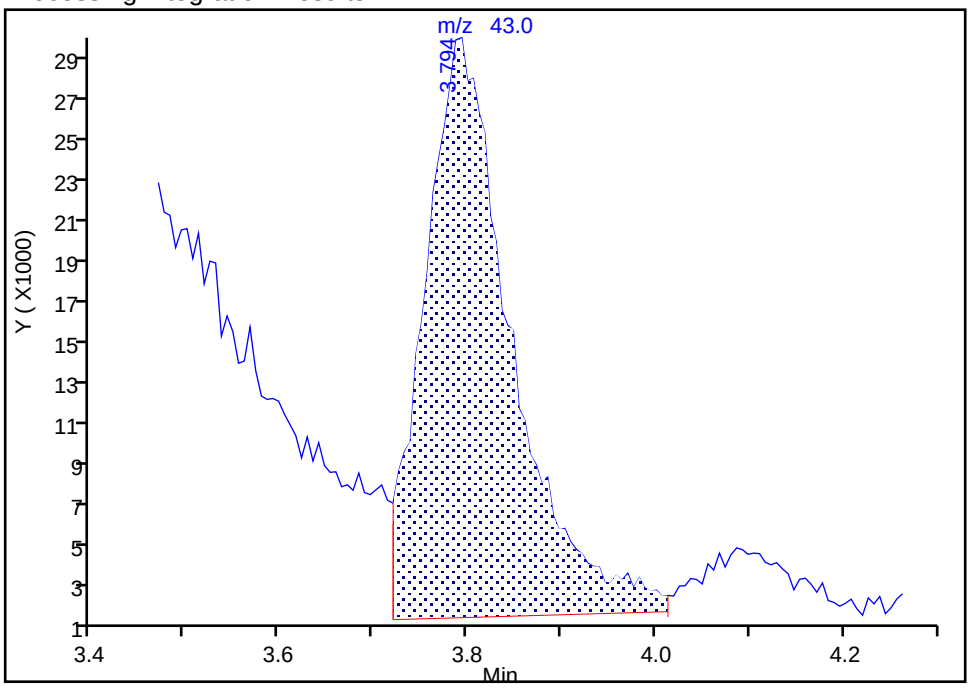
Data File:	\\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X02.D				
Injection Date:	28-Mar-2024 08:00:30	Instrument ID:	19094		
Lims ID:	CCVIS VSTD10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

24 Methyl acetate, CAS: 79-20-9

Signal: 1

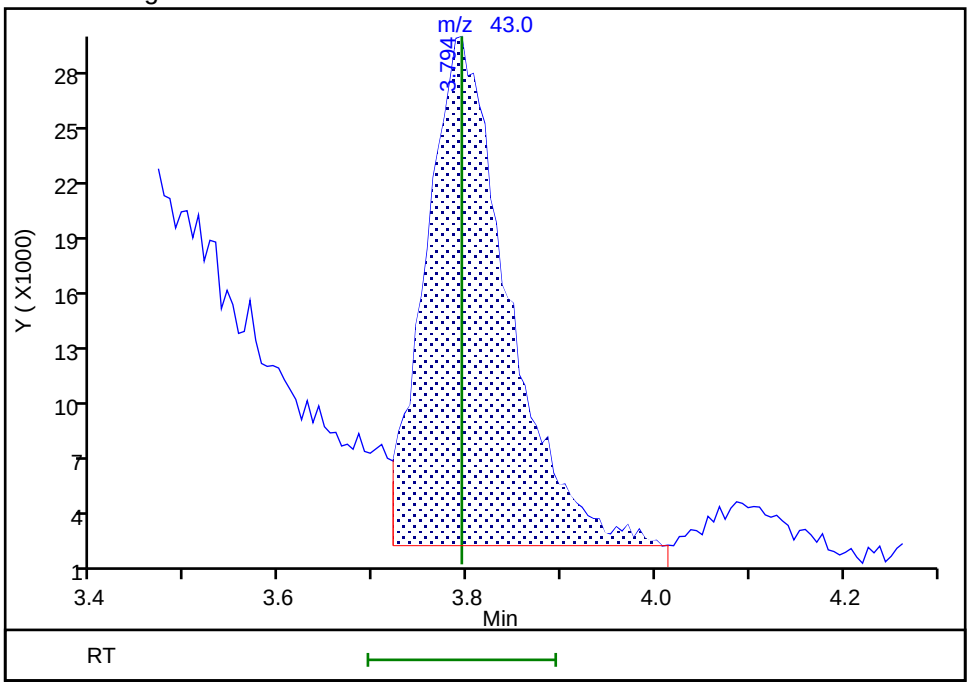
Processing Integration Results

RT: 3.79
Area: 183698
Amount: 11.101125
Amount Units: ug/l



Manual Integration Results

RT: 3.79
Area: 167280
Amount: 10.108963
Amount Units: ug/l



Reviewer: DVW2, 28-Mar-2024 08:49:21 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

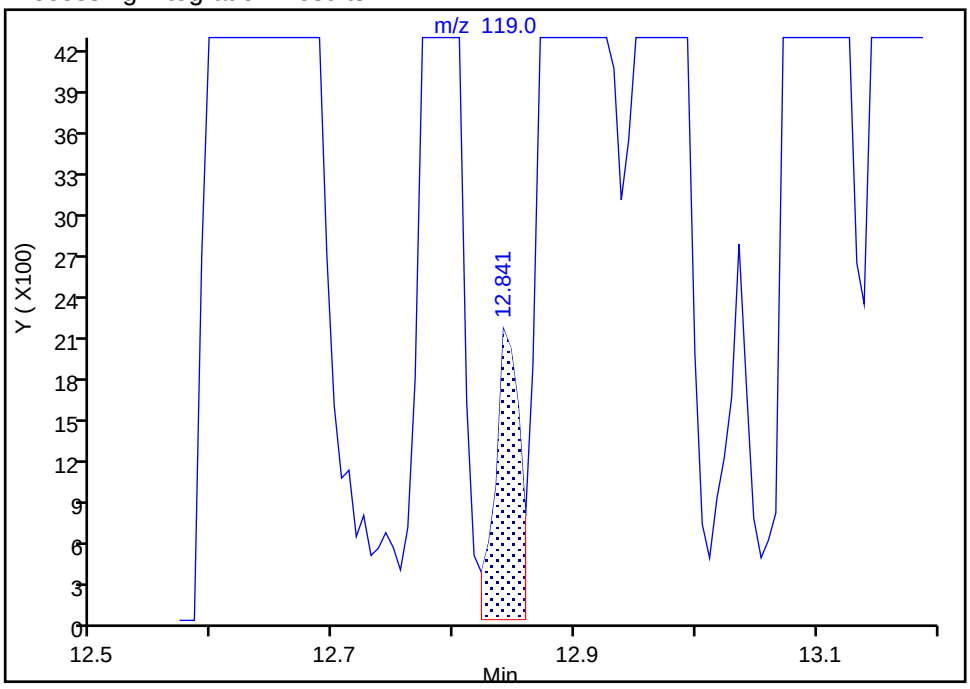
Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X02.D
Injection Date: 28-Mar-2024 08:00:30 Instrument ID: 19094
Lims ID: CCVIS VSTD10
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

140 4-Isopropyltoluene, CAS: 99-87-6

Signal: 1

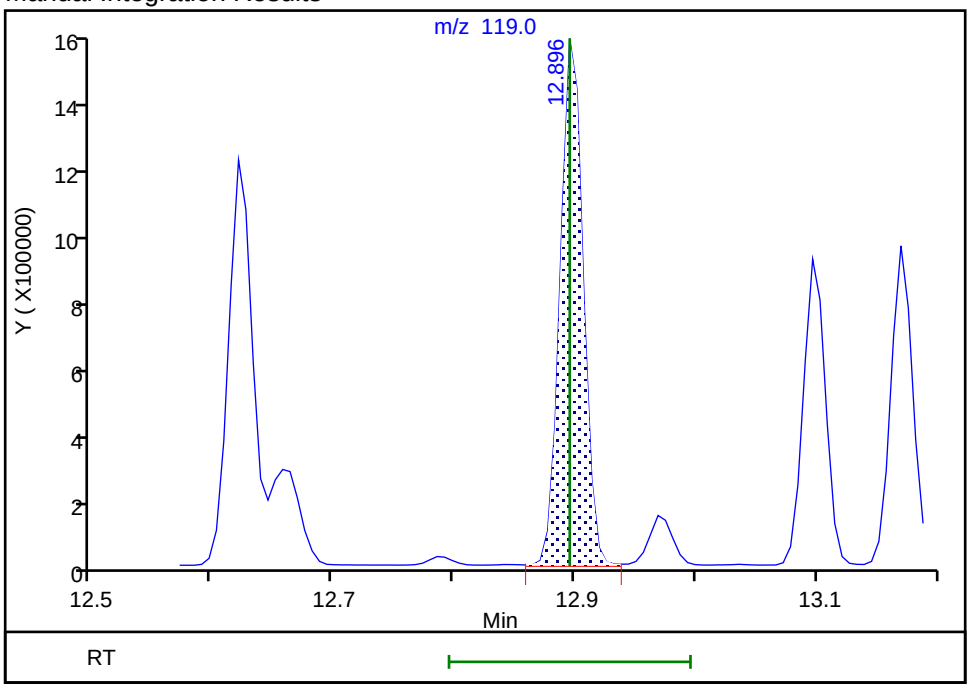
Processing Integration Results

RT: 12.84
Area: 3025
Amount: 0.014761
Amount Units: ug/l



Manual Integration Results

RT: 12.90
Area: 2047033
Amount: 9.989005
Amount Units: ug/l



Reviewer: DVW2, 28-Mar-2024 08:43:19 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

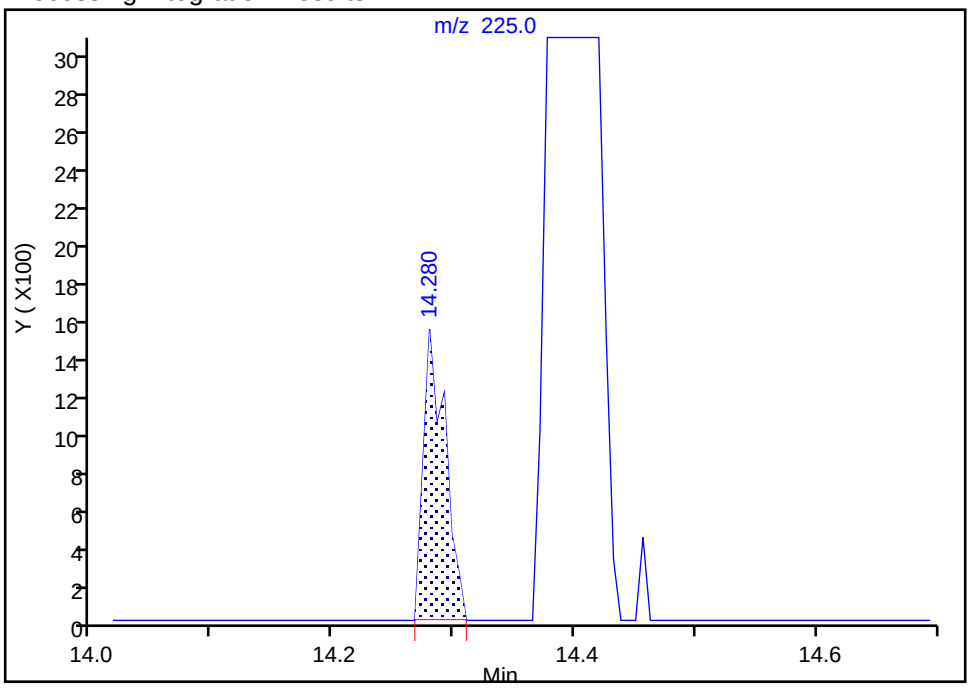
Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X02.D
Injection Date: 28-Mar-2024 08:00:30 Instrument ID: 19094
Lims ID: CCVIS VSTD10
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

152 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

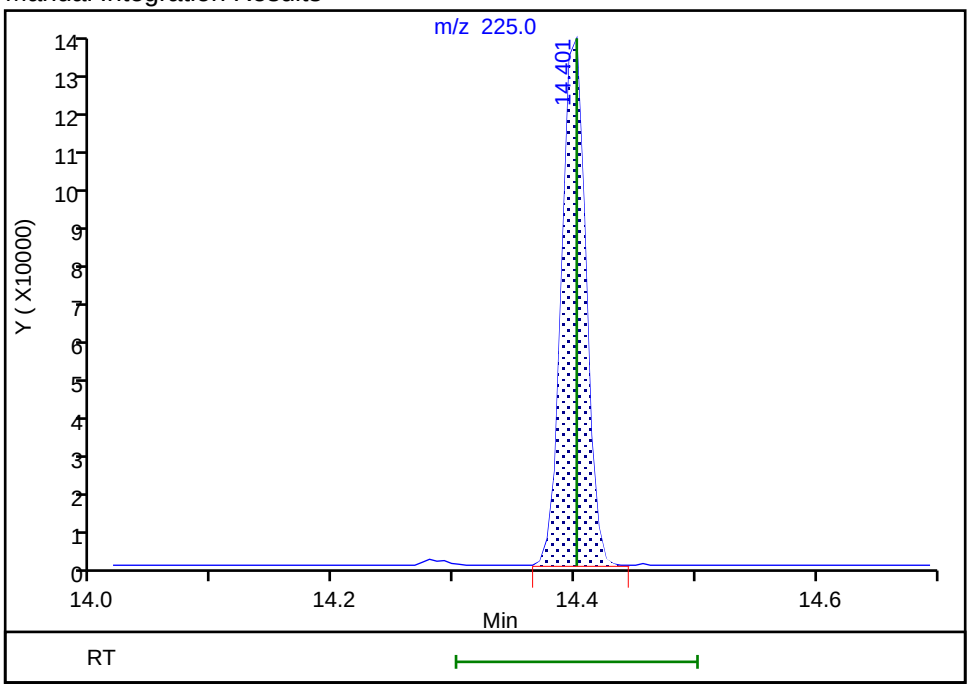
Processing Integration Results

RT: 14.28
Area: 1906
Amount: 0.088464
Amount Units: ug/l



Manual Integration Results

RT: 14.40
Area: 186959
Amount: 8.677424
Amount Units: ug/l



Reviewer: DVW2, 28-Mar-2024 08:43:21 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11T01.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 11-Mar-2021 15:00:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0023820-001
Operator ID: SRK36897 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 24-Mar-2021 17:46:32 Calib Date: 11-Mar-2021 21:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1650

First Level Reviewer: beckerk Date: 24-Mar-2021 17:46:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 165 BFB	95	12.079	12.079	0.000	0	249627	NR	NR	a

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

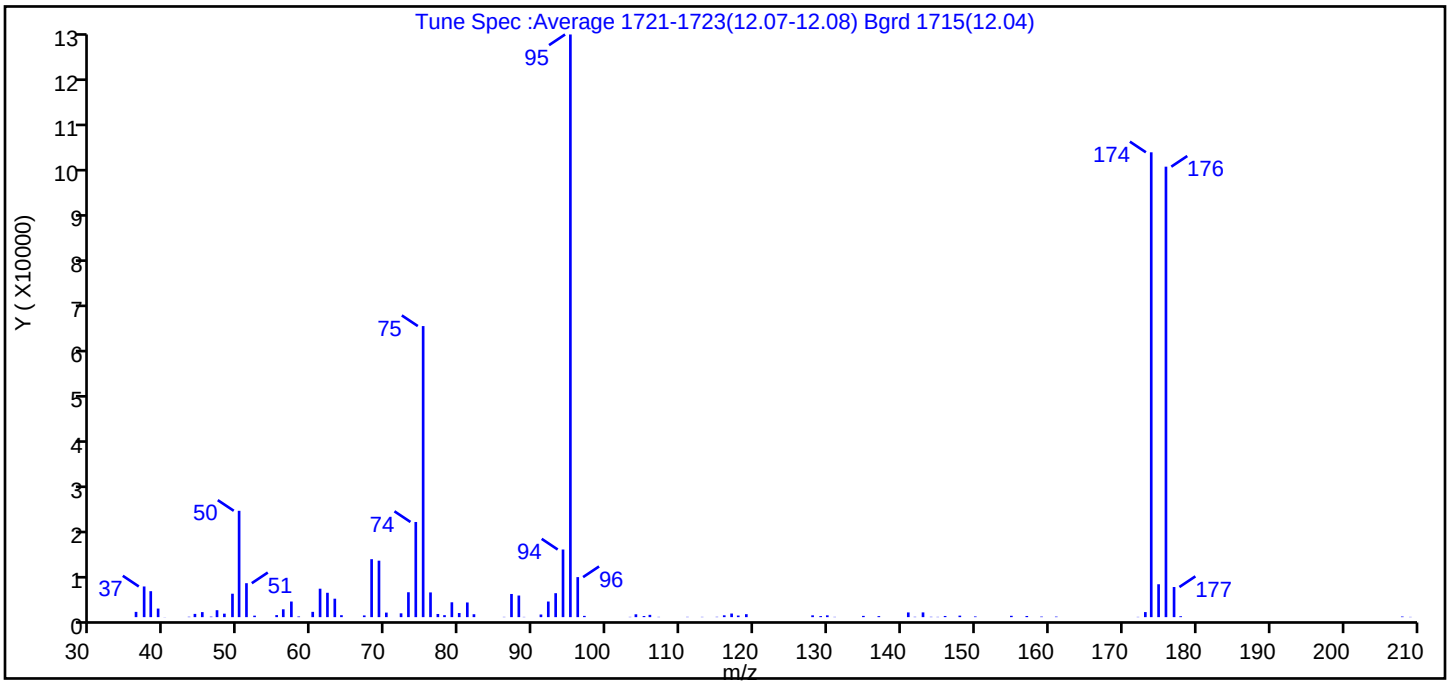
MSV_V_BFB_00004 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11T01.D
Injection Date: 11-Mar-2021 15:00:30 Instrument ID: 10193
Lims ID: BFB
Client ID:
Operator ID: SRK36897 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 165 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.3
75	30 to 60% of m/z 95	50.0
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.9 (1.1)
174	50 to 120% of m/z 95	79.8
175	5 to 9% of m/z 174	5.6 (7.1)
176	Greater than 95% but less than 101% of m/z 174	77.3 (96.9)
177	5 to 9% of m/z 176	5.2 (6.7)

Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11T01.D\MSV_10193_25mL.rslt\spectra.d
Injection Date: 11-Mar-2021 15:00:30
Spectrum: Tune Spec :Average 1721-1723(12.07-12.08) Bgrd 1715(12.04)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 89

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1123	64.00	414	94.00	14419	142.00	74
37.00	6539	67.00	365	95.00	124224	143.00	1013
38.00	5535	68.00	12356	96.00	8535	144.00	73
39.00	1830	69.00	12037	97.00	269	145.00	58
40.00	24	70.00	969	103.00	57	146.00	250
43.00	81	72.00	815	104.00	607	148.00	322
44.00	695	73.00	5309	105.00	238	150.00	151
45.00	1073	74.00	20288	106.00	489	155.00	287
46.00	109	75.00	62056	107.00	58	157.00	245
47.00	1477	76.00	5272	111.00	61	159.00	115
48.00	742	77.00	676	113.00	57	161.00	114
49.00	4995	78.00	421	115.00	71	172.00	55
50.00	22672	79.00	3168	116.00	390	173.00	1079
51.00	7237	80.00	876	117.00	771	174.00	99104
52.00	317	81.00	3130	118.00	342	175.00	7012
55.00	434	82.00	620	119.00	632	176.00	96040
56.00	1676	86.00	56	128.00	386	177.00	6423
57.00	3330	87.00	4940	129.00	225	178.00	190
58.00	140	88.00	4610	130.00	384	208.00	130
60.00	1130	89.00	51	131.00	58	209.00	52
61.00	6063	91.00	560	135.00	267		
62.00	5195	92.00	3331	137.00	217		
63.00	3932	93.00	5106	141.00	1006		

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

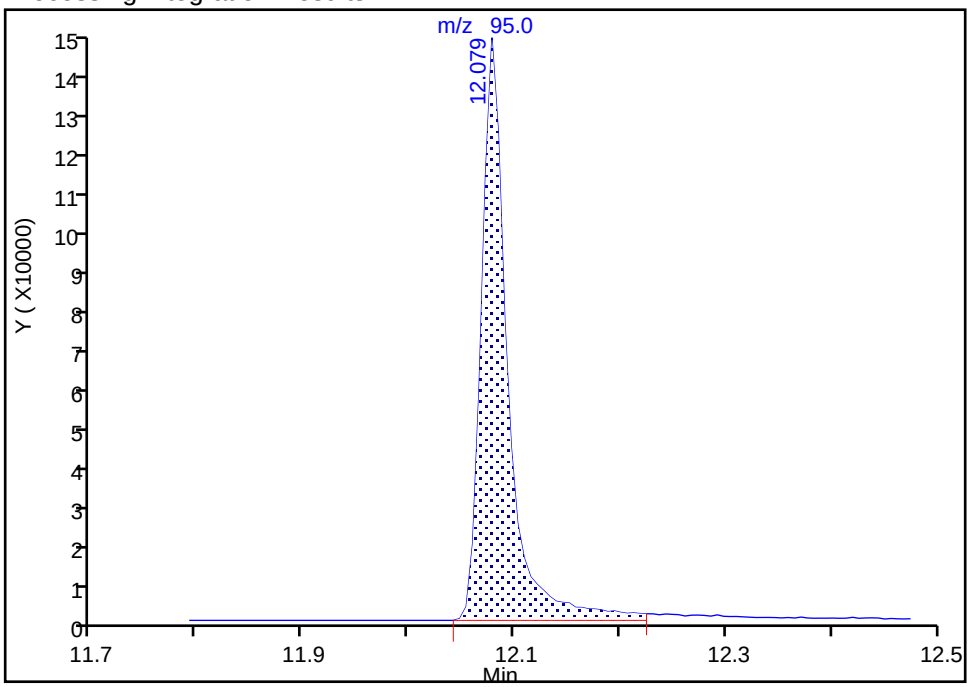
Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11T01.D
Injection Date: 11-Mar-2021 15:00:30 Instrument ID: 10193
Lims ID: BFB
Client ID:
Operator ID: SRK36897 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

$ 165 BFB, CAS: 460-00-4

Signal: 1

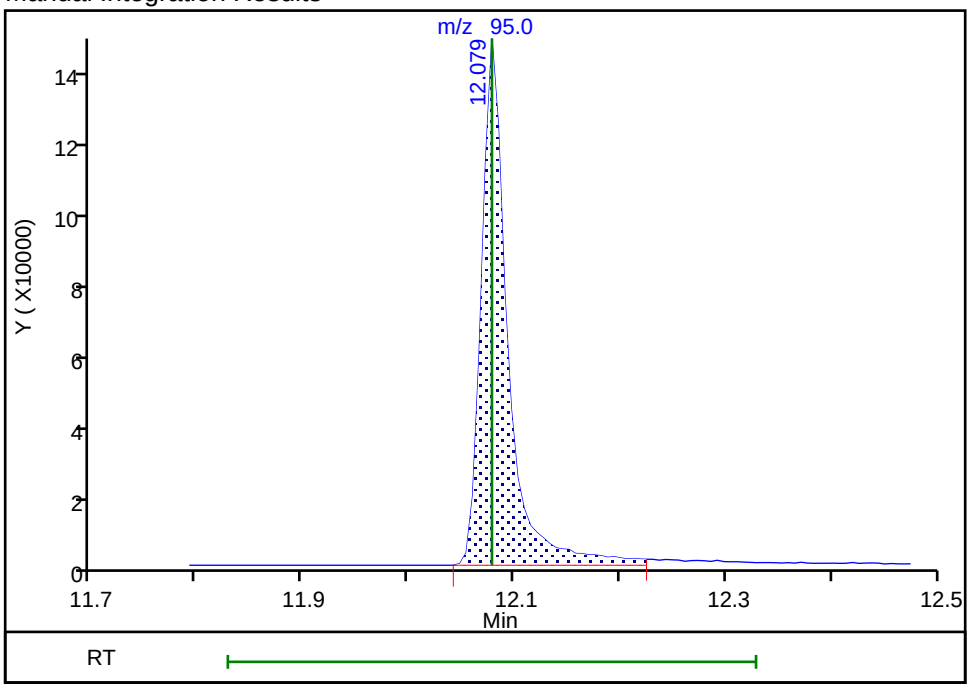
Processing Integration Results

RT: 12.08
Area: 249627
Amount: 0
Amount Units: ug/l



Manual Integration Results

RT: 12.08
Area: 249627
Amount: 0
Amount Units: ug/l



Reviewer: longj, 11-Mar-2021 15:28:39
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

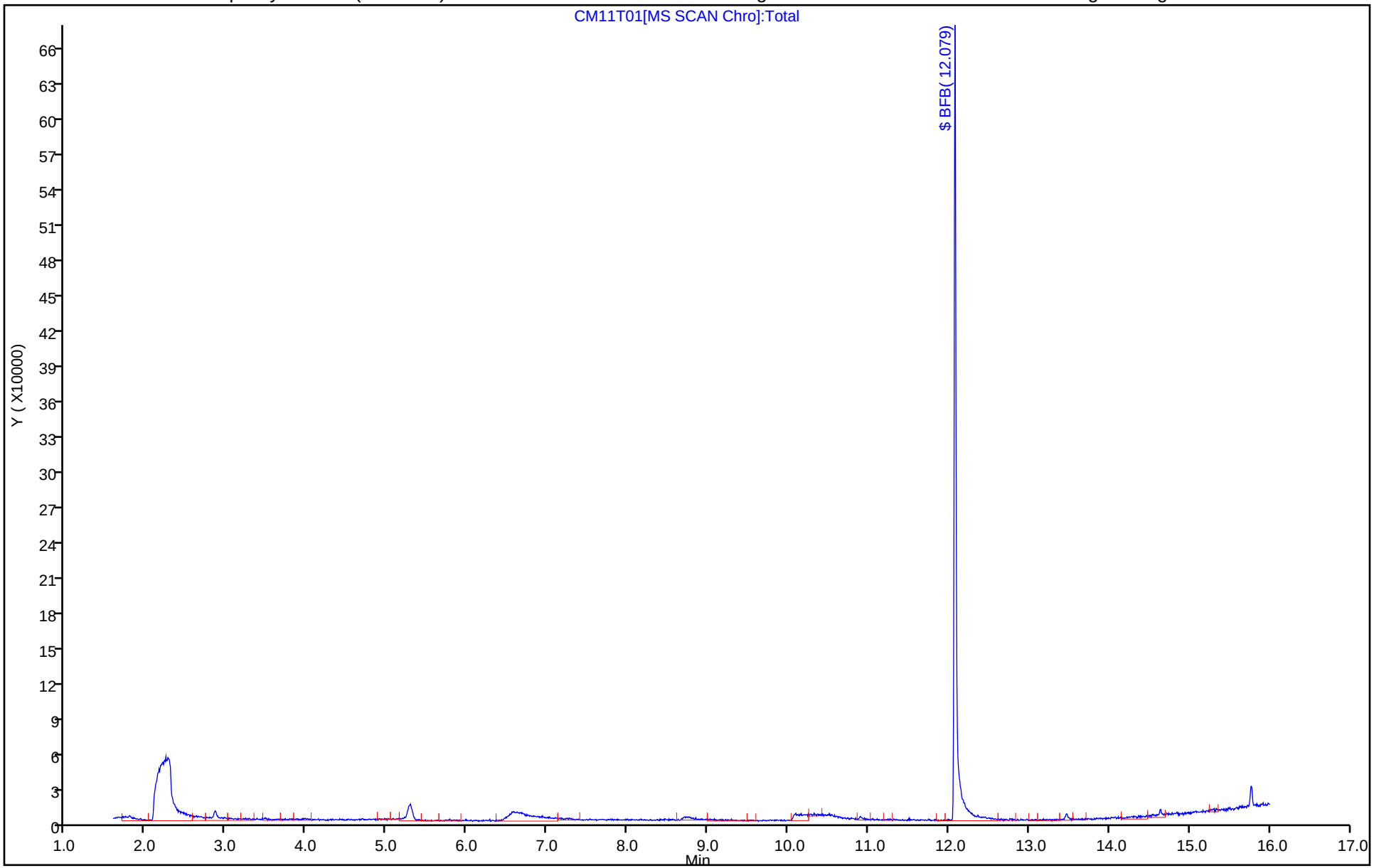
Report Date: 24-Mar-2021 17:46:32 Chrom Revision: 2.3 19-Mar-2021 08:24:58

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20210311-23820.b\CM11T01.D

Injection Date:	11-Mar-2021 15:00:30	Instrument ID:	10193	Operator ID:	SRK36897
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11T01.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 11-Dec-2023 17:07:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0101546-001
Misc. Info.: BFB
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 12-Dec-2023 15:03:55 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 168 BFB	95	5.056	5.056	0.000	92	769630	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

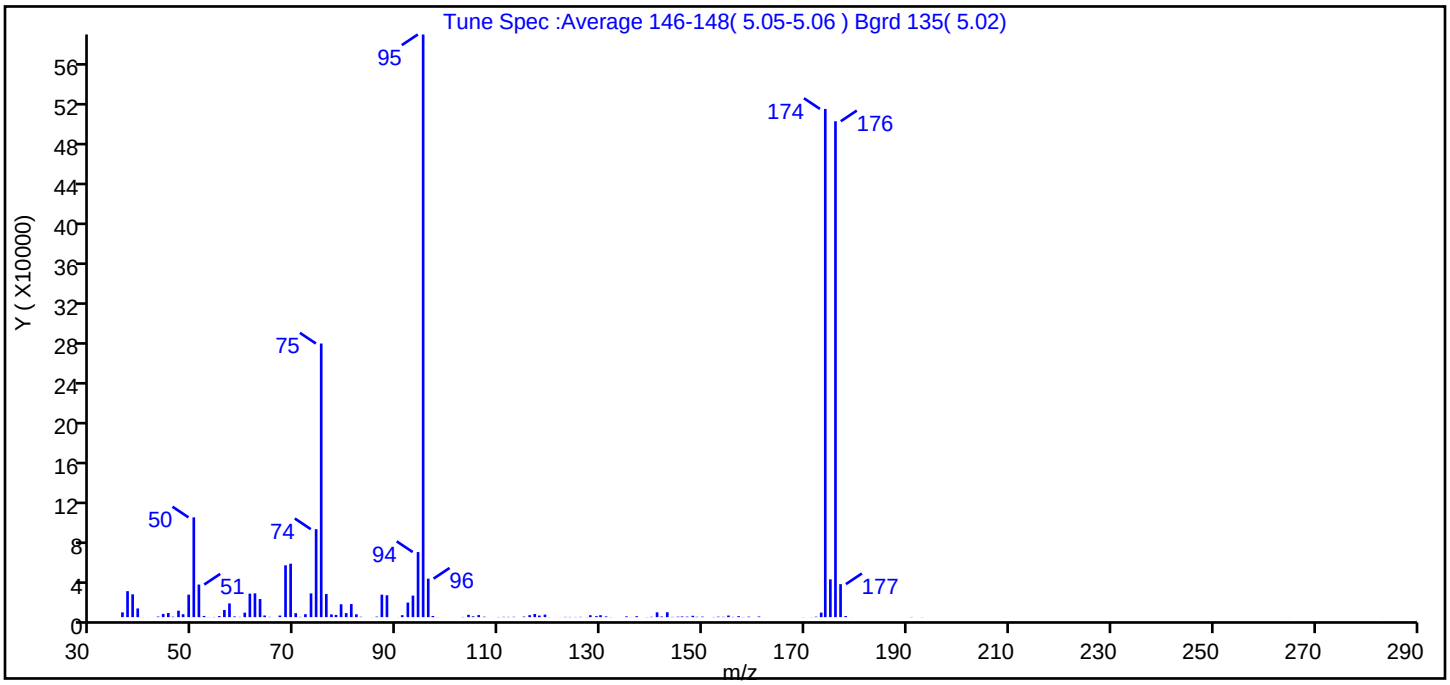
MSV_V_BFB_00013 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11T01.D
Injection Date: 11-Dec-2023 17:07:30 Instrument ID: 10193
Lims ID: BFB
Client ID:
Operator ID: gaw91131 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 168 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.1
75	30 to 60% of m/z 95	47.0
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.8 (0.9)
174	50 to 120% of m/z 95	87.2
175	5 to 9% of m/z 174	6.5 (7.4)
176	Greater than 95% but less than 101% of m/z 174	85.1 (97.6)
177	5 to 9% of m/z 176	5.7 (6.7)

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11T01.D\MSV_10193_25mL.rslt\spectra.d
Injection Date: 11-Dec-2023 17:07:30
Spectrum: Tune Spec :Average 146-148(5.05-5.06) Bgrd 135(5.02)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 125

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4802	70.00	3973	110.00	185	147.00	525
37.00	26072	71.00	291	111.00	312	148.00	1366
38.00	22888	72.00	2953	112.00	275	149.00	351
39.00	8733	73.00	23856	113.00	357	150.00	512
40.00	72	74.00	88264	115.00	584	152.00	196
41.00	61	75.00	274496	116.00	1982	153.00	472
43.00	573	76.00	23200	117.00	3161	154.00	312
44.00	3243	77.00	2771	118.00	1592	155.00	1630
45.00	4124	78.00	2277	119.00	2512	156.00	265
46.00	471	79.00	12927	120.00	133	157.00	974
47.00	6476	80.00	4053	122.00	90	158.00	154
48.00	2918	81.00	13114	123.00	276	159.00	527
49.00	22560	82.00	2825	124.00	219	161.00	659
50.00	100096	83.00	364	125.00	200	162.00	62
51.00	32696	85.00	73	126.00	301	170.00	113
52.00	1196	86.00	525	127.00	113	171.00	121
53.00	125	87.00	22544	128.00	1928	172.00	465
54.00	206	88.00	21944	129.00	991	173.00	4539
55.00	1038	90.00	51	130.00	1965	174.00	509824
56.00	7177	91.00	1944	131.00	727	175.00	37936
57.00	13772	92.00	14631	132.00	114	176.00	497472
58.00	728	93.00	21648	135.00	795	177.00	33112
59.00	269	94.00	65304	136.00	81	178.00	1071
60.00	4510	95.00	584512	137.00	936	179.00	58
61.00	23584	96.00	38624	139.00	147	191.00	216
62.00	23880	97.00	1196	140.00	398	193.00	125
63.00	18168	98.00	60	141.00	4812	209.00	54
64.00	1657	103.00	209	142.00	649	265.00	50
65.00	291	104.00	2347	143.00	4904	283.00	54
67.00	1586	105.00	828	144.00	275		
68.00	52016	106.00	2067	145.00	482		
69.00	53624	107.00	447	146.00	677		

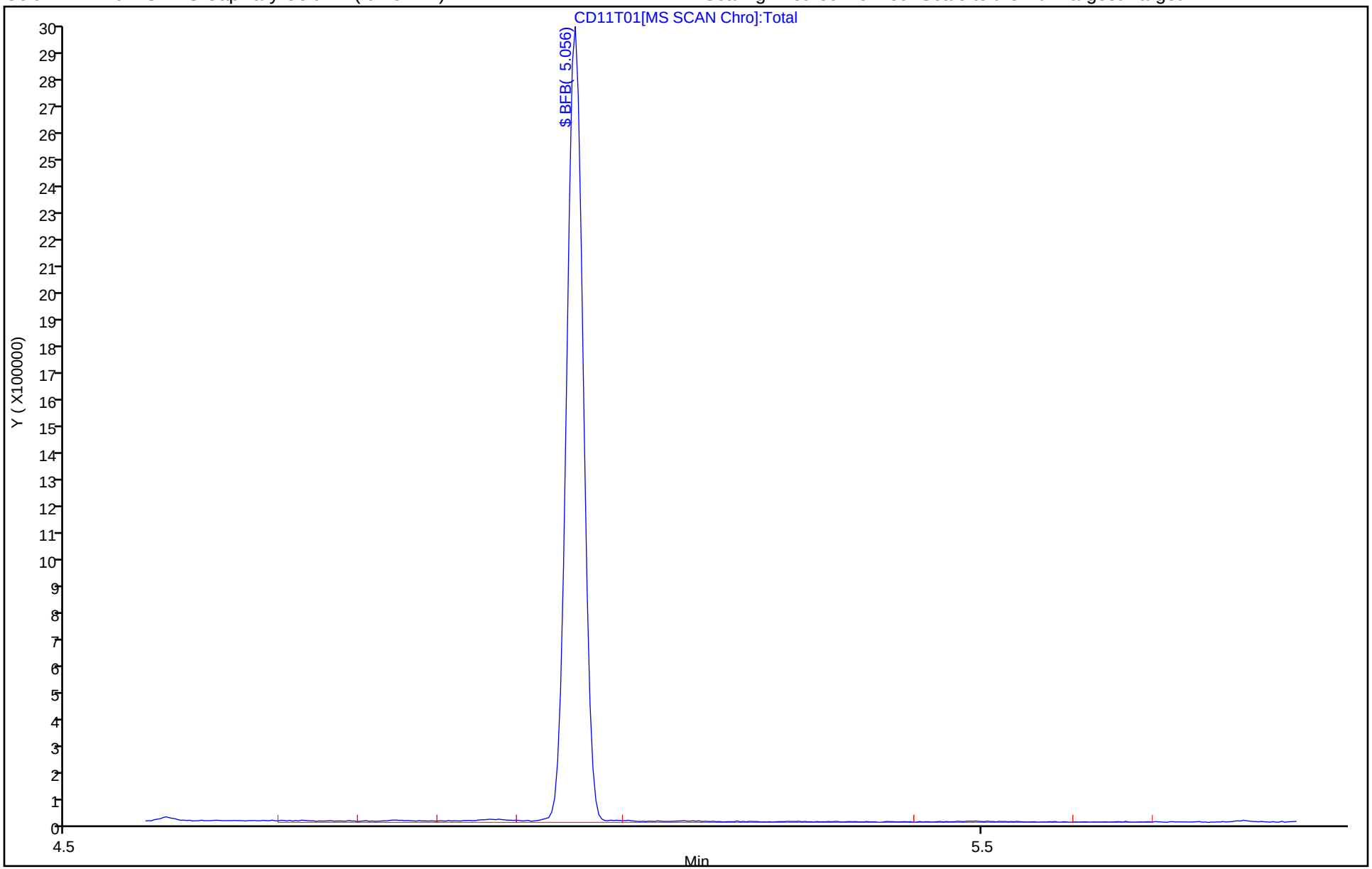
Report Date: 12-Dec-2023 15:03:55 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11T01.D

Injection Date:	11-Dec-2023 17:07:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25T01.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	25-Mar-2024 18:52:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	410-0109513-001				
Misc. Info.:	BFB				
Operator ID:	gaw91131	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	26-Mar-2024 12:59:01	Calib Date:	11-Dec-2023 23:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1660				
First Level Reviewer: FQ4L		Date:	26-Mar-2024 12:59:01		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 168 BFB	95	5.050	5.050	0.000	91	683289	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

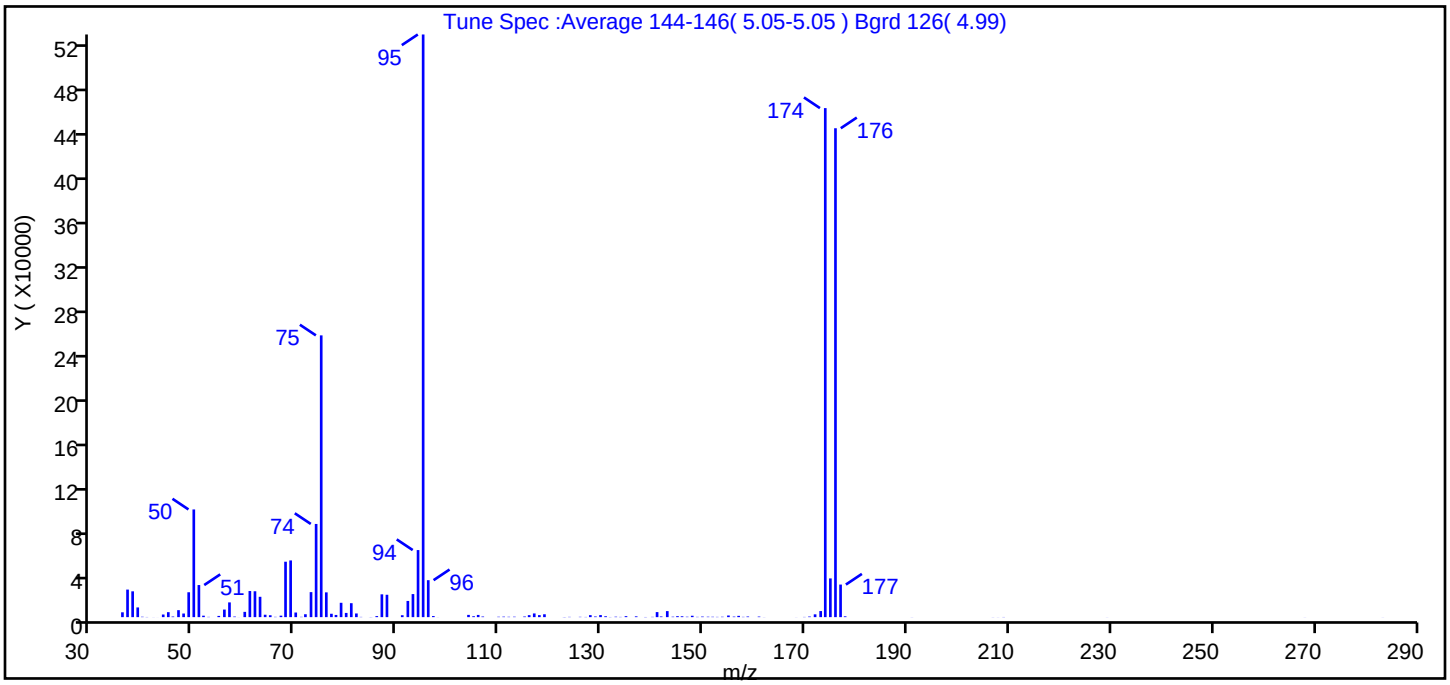
MSV_V_BFB_00016 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25T01.D
Injection Date: 25-Mar-2024 18:52:30 Instrument ID: 10193
Lims ID: BFB
Client ID:
Operator ID: gaw91131 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 168 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.5
75	30 to 60% of m/z 95	48.4
96	5 to 9% of m/z 95	6.3
173	Less than 2% of m/z 174	1.0 (1.2)
174	50 to 120% of m/z 95	87.4
175	5 to 9% of m/z 174	6.6 (7.6)
176	Greater than 95% but less than 101% of m/z 174	83.9 (96.0)
177	5 to 9% of m/z 176	5.6 (6.7)

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25T01.D\MSV_10193_25mL.rslt\spectra.d
Injection Date: 25-Mar-2024 18:52:30
Spectrum: Tune Spec :Average 144-146(5.05-5.05) Bgrd 126(4.99)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 129

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4323	70.00	4131	111.00	441	149.00	246
37.00	24632	71.00	266	112.00	323	150.00	505
38.00	23072	72.00	2597	113.00	390	151.00	386
39.00	8677	73.00	22352	115.00	566	152.00	335
40.00	349	74.00	83272	116.00	1789	153.00	232
41.00	154	75.00	251776	117.00	3304	154.00	347
42.00	54	76.00	22144	118.00	1812	155.00	1463
43.00	28	77.00	3025	119.00	2573	156.00	486
44.00	2355	78.00	1965	123.00	76	157.00	1163
45.00	4438	79.00	12822	123.00	112	158.00	254
46.00	543	80.00	3770	124.00	240	159.00	570
47.00	6233	81.00	12468	126.00	282	161.00	518
48.00	3242	82.00	3281	127.00	171	162.00	75
49.00	22232	83.00	210	128.00	1785	168.00	54
50.00	96232	85.00	61	129.00	583	170.00	191
51.00	28680	85.00	84	130.00	1839	171.00	536
52.00	1305	86.00	947	131.00	785	172.00	2516
53.00	233	87.00	20384	132.00	141	173.00	5432
55.00	1100	88.00	20000	133.00	401	174.00	454848
56.00	6782	91.00	1709	134.00	205	175.00	34600
57.00	13181	92.00	14470	135.00	891	176.00	436864
58.00	516	93.00	20608	137.00	717	177.00	29112
59.00	51	94.00	59936	139.00	143	178.00	713
60.00	4718	95.00	520640	139.00	61	191.00	71
61.00	23336	96.00	33024	140.00	252	207.00	79
62.00	23128	97.00	964	141.00	4506	208.00	60
63.00	18184	98.00	56	142.00	611	209.00	149
64.00	2156	103.00	9	143.00	5396	229.00	53
65.00	1687	104.00	2019	144.00	401	268.00	52
66.00	260	105.00	805	145.00	873	283.00	53
67.00	1324	106.00	1980	146.00	758		
68.00	49528	107.00	551	147.00	371		
69.00	50672	110.00	351	148.00	1240		

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4323	70.00	4131	111.00	441	149.00	246
37.00	24632	71.00	266	112.00	323	150.00	505
38.00	23072	72.00	2597	113.00	390	151.00	386
39.00	8677	73.00	22352	115.00	566	152.00	335
40.00	349	74.00	83272	116.00	1789	153.00	232
41.00	154	75.00	251776	117.00	3304	154.00	347
42.00	54	76.00	22144	118.00	1812	155.00	1463
43.00	28	77.00	3025	119.00	2573	156.00	486
44.00	2355	78.00	1965	123.00	76	157.00	1163
45.00	4438	79.00	12822	123.00	112	158.00	254
46.00	543	80.00	3770	124.00	240	159.00	570
47.00	6233	81.00	12468	126.00	282	161.00	518
48.00	3242	82.00	3281	127.00	171	162.00	75
49.00	22232	83.00	210	128.00	1785	168.00	54
50.00	96232	85.00	61	129.00	583	170.00	191
51.00	28680	85.00	84	130.00	1839	171.00	536
52.00	1305	86.00	947	131.00	785	172.00	2516
53.00	233	87.00	20384	132.00	141	173.00	5432
55.00	1100	88.00	20000	133.00	401	174.00	454848
56.00	6782	91.00	1709	134.00	205	175.00	34600
57.00	13181	92.00	14470	135.00	891	176.00	436864
58.00	516	93.00	20608	137.00	717	177.00	29112
59.00	51	94.00	59936	139.00	143	178.00	713
60.00	4718	95.00	520640	139.00	61	191.00	71
61.00	23336	96.00	33024	140.00	252	207.00	79
62.00	23128	97.00	964	141.00	4506	208.00	60
63.00	18184	98.00	56	142.00	611	209.00	149
64.00	2156	103.00	9	143.00	5396	229.00	53
65.00	1687	104.00	2019	144.00	401	268.00	52
66.00	260	105.00	805	145.00	873	283.00	53
67.00	1324	106.00	1980	146.00	758		
68.00	49528	107.00	551	147.00	371		
69.00	50672	110.00	351	148.00	1240		

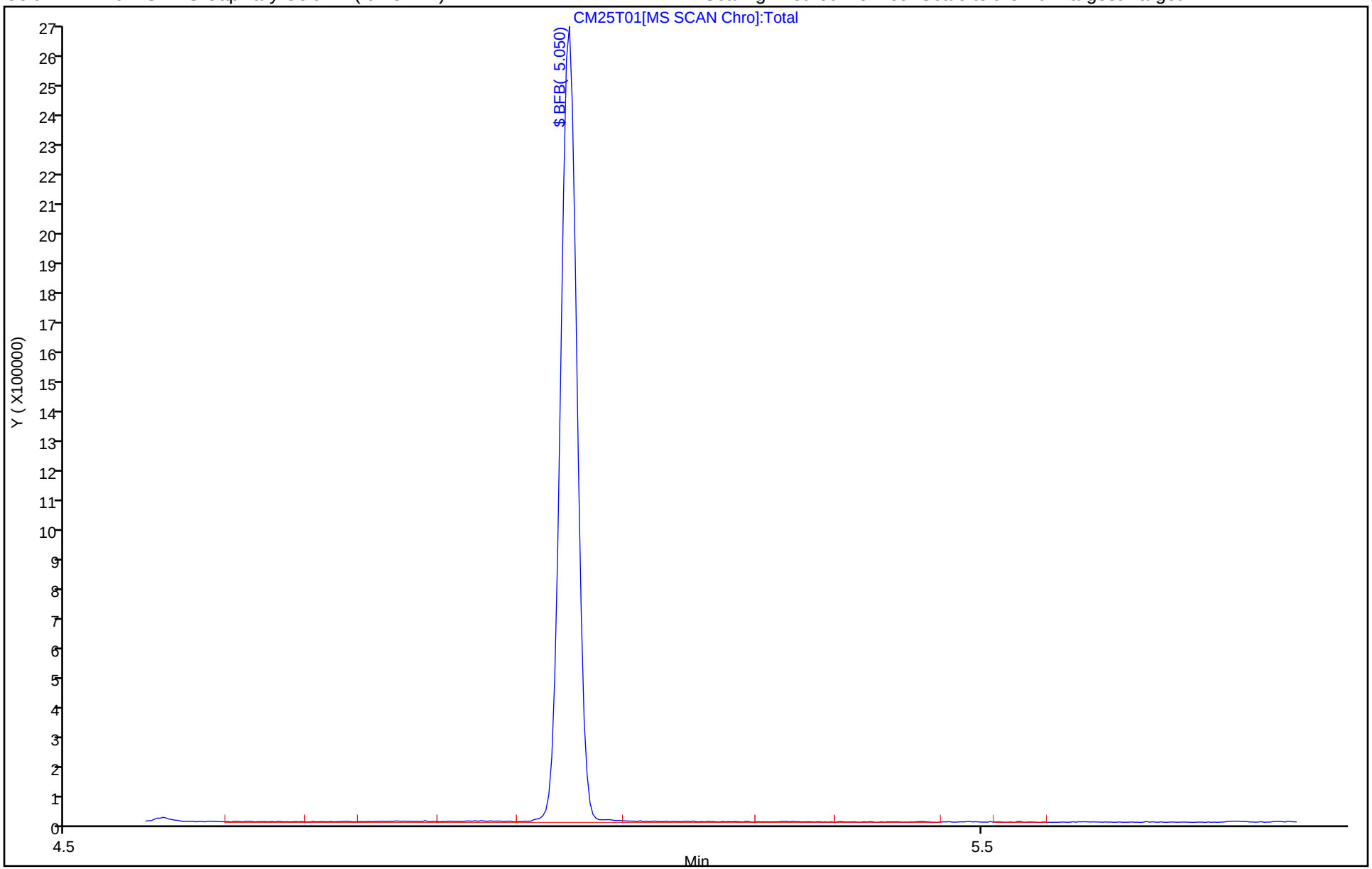
Report Date: 26-Mar-2024 12:59:01 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25T01.D

Injection Date:	25-Mar-2024 18:52:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27T01.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	27-Mar-2024 09:59:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	410-0109672-001				
Misc. Info.:	BFB				
Operator ID:	knk41612	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20240327-109672.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	27-Mar-2024 13:25:31	Calib Date:	11-Dec-2023 23:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1656				

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 168 BFB	95	5.053	5.053	0.000	91	515708	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

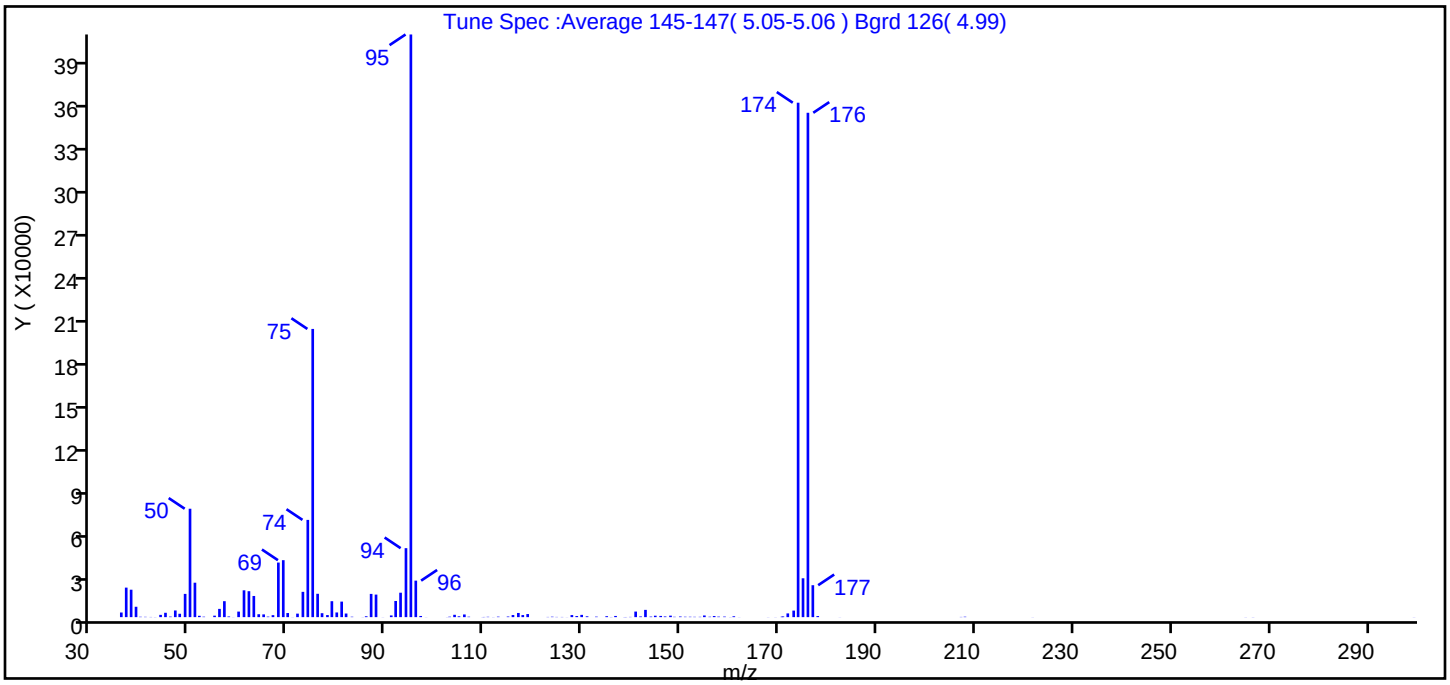
MSV_V_BFB_00016 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27T01.D
Injection Date: 27-Mar-2024 09:59:30 Instrument ID: 10193
Lims ID: BFB
Client ID:
Operator ID: knk41612 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 168 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.6
75	30 to 60% of m/z 95	49.5
96	5 to 9% of m/z 95	6.3
173	Less than 2% of m/z 174	1.1 (1.3)
174	50 to 120% of m/z 95	88.3
175	5 to 9% of m/z 174	6.7 (7.6)
176	Greater than 95% but less than 101% of m/z 174	86.6 (98.0)
177	5 to 9% of m/z 176	5.5 (6.3)

Data File: \\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27T01.D\MSV_10193_25mL.rslt\spectra.d
Injection Date: 27-Mar-2024 09:59:30
Spectrum: Tune Spec :Average 145-147(5.05-5.06) Bgrd 126(4.99)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 132

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3186	70.00	2822	110.00	61	148.00	1025
37.00	20272	71.00	63	110.00	131	149.00	234
38.00	18840	72.00	2415	111.00	234	150.00	435
39.00	7124	73.00	17368	112.00	73	151.00	275
40.00	258	74.00	66776	113.00	338	152.00	266
41.00	212	75.00	197888	115.00	423	153.00	224
42.00	128	76.00	16035	116.00	1444	154.00	216
43.00	80	77.00	2711	117.00	2870	155.00	1143
44.00	1556	78.00	1421	118.00	1426	156.00	286
45.00	2994	79.00	10946	119.00	2124	157.00	751
46.00	363	80.00	3208	123.00	140	158.00	357
47.00	4576	81.00	10666	124.00	301	159.00	384
48.00	2318	82.00	2481	125.00	149	160.00	78
49.00	15964	83.00	289	126.00	132	161.00	597
50.00	74432	85.00	62	127.00	52	162.00	58
51.00	23648	86.00	597	128.00	1416	168.00	62
52.00	926	87.00	15954	129.00	751	169.00	62
53.00	310	88.00	15483	130.00	1560	171.00	262
55.00	1016	89.00	58	131.00	569	171.00	470
56.00	5671	91.00	1166	133.00	346	172.00	2570
57.00	10957	92.00	11096	135.00	654	173.00	4495
58.00	460	93.00	16776	136.00	105	174.00	353216
59.00	59	94.00	47360	137.00	819	175.00	26688
60.00	3809	95.00	400064	138.00	74	176.00	346304
61.00	18424	96.00	25064	139.00	106	177.00	21928
62.00	17816	97.00	802	140.00	163	178.00	726
63.00	14534	98.00	51	141.00	3826	182.00	51
64.00	1998	102.00	68	142.00	470	207.00	148
65.00	1891	103.00	309	143.00	4992	208.00	294
66.00	365	104.00	1612	144.00	375	222.00	58
67.00	1363	105.00	560	145.00	982	265.00	66
68.00	37480	106.00	1839	146.00	841	267.00	75
69.00	39112	107.00	301	147.00	476	299.00	64

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3186	70.00	2822	110.00	61	148.00	1025
37.00	20272	71.00	63	110.00	131	149.00	234
38.00	18840	72.00	2415	111.00	234	150.00	435
39.00	7124	73.00	17368	112.00	73	151.00	275
40.00	258	74.00	66776	113.00	338	152.00	266
41.00	212	75.00	197888	115.00	423	153.00	224
42.00	128	76.00	16035	116.00	1444	154.00	216
43.00	80	77.00	2711	117.00	2870	155.00	1143
44.00	1556	78.00	1421	118.00	1426	156.00	286
45.00	2994	79.00	10946	119.00	2124	157.00	751
46.00	363	80.00	3208	123.00	140	158.00	357
47.00	4576	81.00	10666	124.00	301	159.00	384
48.00	2318	82.00	2481	125.00	149	160.00	78
49.00	15964	83.00	289	126.00	132	161.00	597
50.00	74432	85.00	62	127.00	52	162.00	58
51.00	23648	86.00	597	128.00	1416	168.00	62
52.00	926	87.00	15954	129.00	751	169.00	62
53.00	310	88.00	15483	130.00	1560	171.00	262
55.00	1016	89.00	58	131.00	569	171.00	470
56.00	5671	91.00	1166	133.00	346	172.00	2570
57.00	10957	92.00	11096	135.00	654	173.00	4495
58.00	460	93.00	16776	136.00	105	174.00	353216
59.00	59	94.00	47360	137.00	819	175.00	26688
60.00	3809	95.00	400064	138.00	74	176.00	346304
61.00	18424	96.00	25064	139.00	106	177.00	21928
62.00	17816	97.00	802	140.00	163	178.00	726
63.00	14534	98.00	51	141.00	3826	182.00	51
64.00	1998	102.00	68	142.00	470	207.00	148
65.00	1891	103.00	309	143.00	4992	208.00	294
66.00	365	104.00	1612	144.00	375	222.00	58
67.00	1363	105.00	560	145.00	982	265.00	66
68.00	37480	106.00	1839	146.00	841	267.00	75
69.00	39112	107.00	301	147.00	476	299.00	64

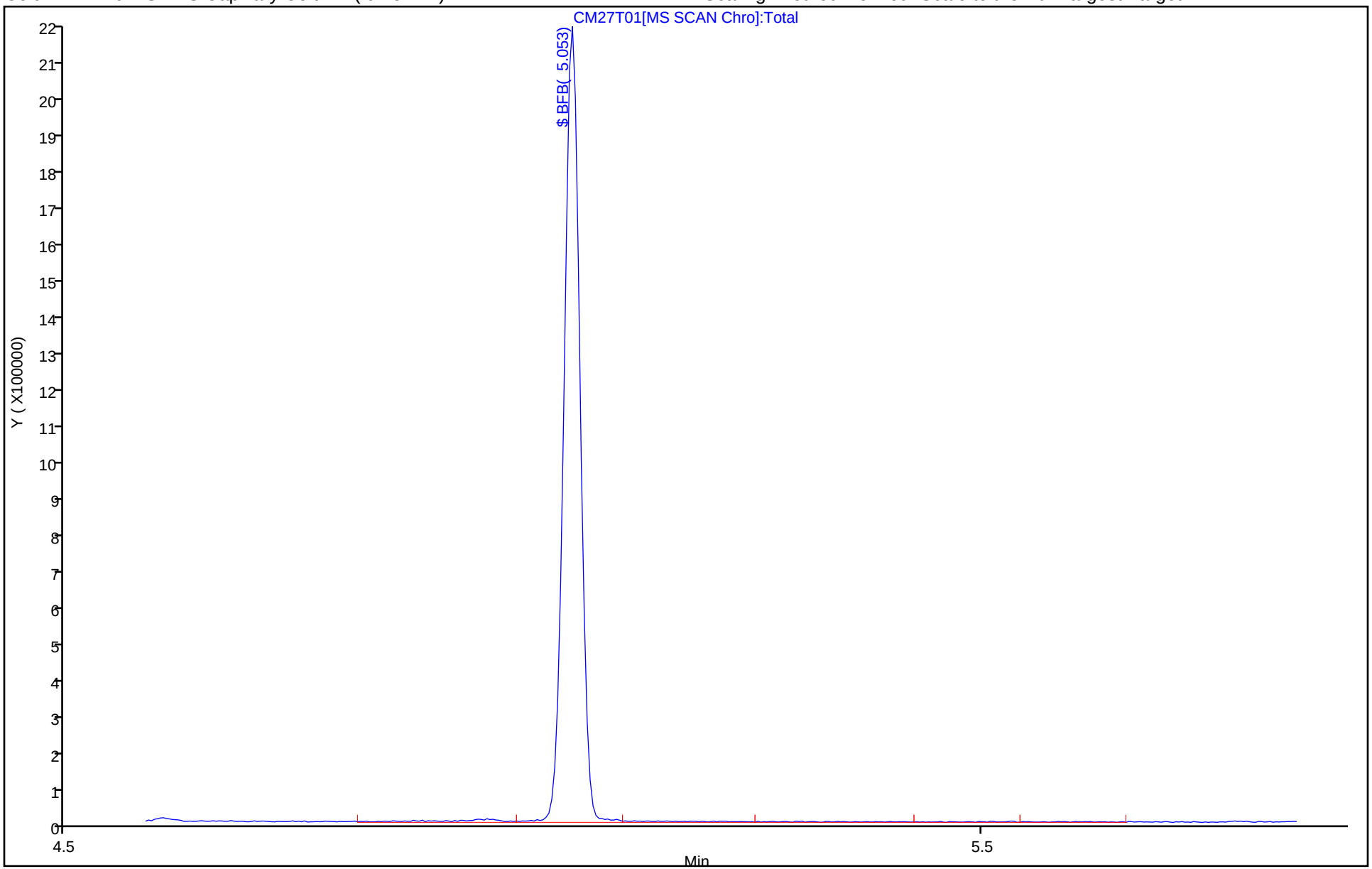
Report Date: 27-Mar-2024 13:25:31 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27T01.D

Injection Date:	27-Mar-2024 09:59:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16T01.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	17-Oct-2023 03:41:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	410-0096799-001				
Misc. Info.:	BFB				
Operator ID:	GAW91131	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	20-Oct-2023 12:53:17	Calib Date:	17-Oct-2023 09:43:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1675				
First Level Reviewer: JS6E		Date:	17-Oct-2023 04:00:25		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 166 BFB	95	5.081	5.081	0.000	91	322712	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

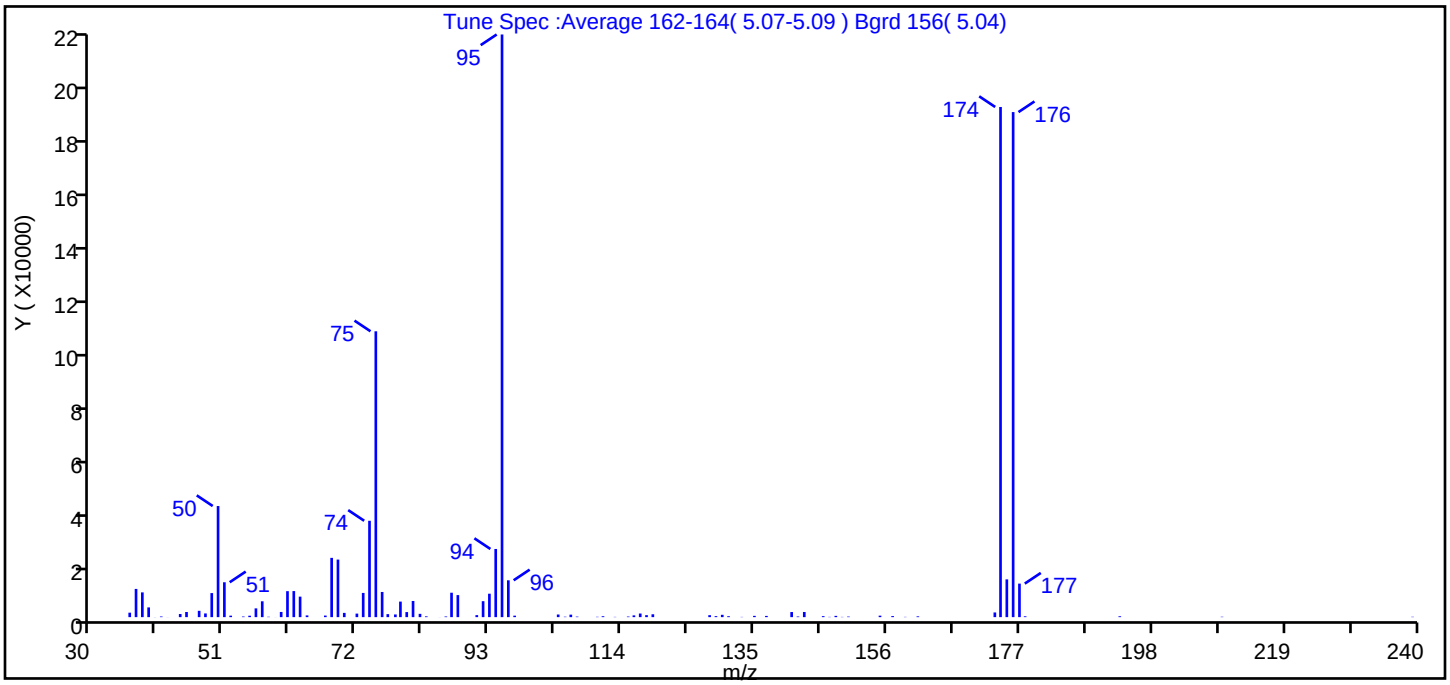
MSV_V_BFB_00012 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16T01.D
Injection Date: 17-Oct-2023 03:41:30 Instrument ID: 19094
Lims ID: bfb
Client ID:
Operator ID: GAW91131 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 166 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.1
75	30 to 60% of m/z 95	49.1
96	5 to 9% of m/z 95	6.3
173	Less than 2% of m/z 174	0.8 (0.9)
174	50 to 120% of m/z 95	87.6
175	5 to 9% of m/z 174	6.5 (7.4)
176	Greater than 95% but less than 101% of m/z 174	86.7 (99.0)
177	5 to 9% of m/z 176	5.8 (6.6)

Data File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16T01.D\MSV_19094_25mL.rslt\spectra.d
Injection Date: 17-Oct-2023 03:41:30
Spectrum: Tune Spec :Average 162-164(5.07-5.09) Bgrd 156(5.04)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 93

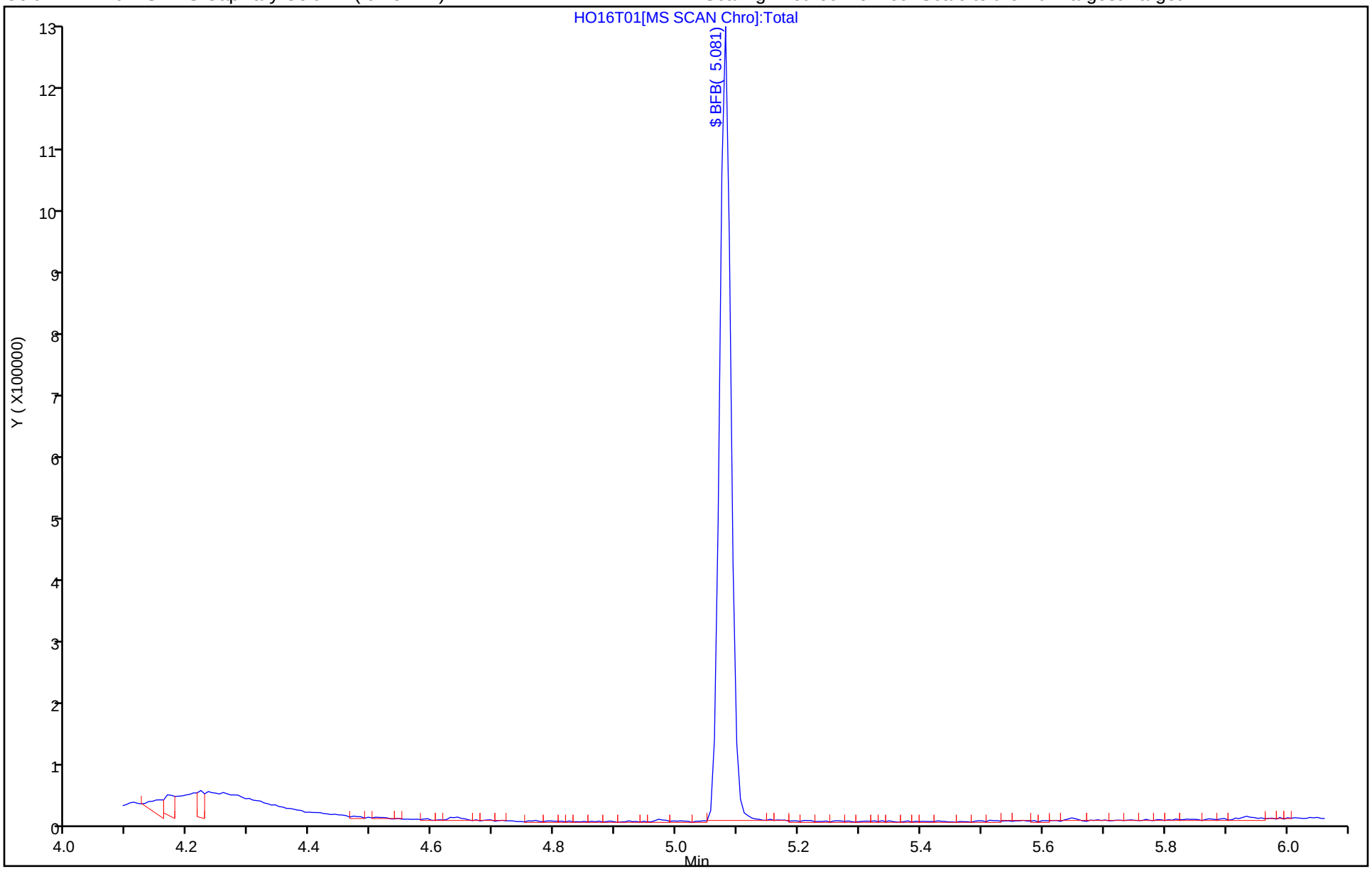
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1625	63.00	7457	93.00	8523	141.00	1854
37.00	10264	64.00	630	94.00	24792	142.00	229
38.00	9004	67.00	572	95.00	211904	143.00	1875
39.00	3541	68.00	21560	96.00	13401	146.00	358
40.00	33	69.00	20936	97.00	538	147.00	94
41.00	235	70.00	1548	104.00	958	148.00	464
42.00	24	72.00	1287	105.00	154	149.00	88
44.00	1135	73.00	8804	106.00	908	150.00	201
45.00	1869	74.00	35048	107.00	188	155.00	537
47.00	2305	75.00	103960	110.00	122	157.00	385
48.00	1344	76.00	9154	111.00	326	159.00	96
49.00	8751	77.00	1094	113.00	93	161.00	286
50.00	40408	78.00	977	115.00	216	173.00	1704
51.00	12688	79.00	5655	116.00	641	174.00	185536
52.00	538	80.00	1844	117.00	1322	175.00	13737
54.00	223	81.00	5876	118.00	724	176.00	183680
55.00	513	82.00	1198	119.00	1046	177.00	12197
56.00	3189	83.00	282	128.00	718	178.00	304
57.00	5767	85.00	21	129.00	364	193.00	314
58.00	135	86.00	241	130.00	849	209.00	143
59.00	16	87.00	8881	131.00	331	239.00	127
60.00	1887	88.00	8015	133.00	86		
61.00	9449	91.00	735	135.00	470		
62.00	9480	92.00	5806	137.00	447		

Report Date: 20-Oct-2023 12:53:17 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16T01.D				
Injection Date:	17-Oct-2023 03:41:30	Instrument ID:	19094	Operator ID:	GAW91131
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28T01.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 28-Mar-2024 07:25:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: BFB
Operator ID: knk41612 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2024 09:39:58 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1664

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 166 BFB	95	5.080	5.080	0.000	90	314267	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

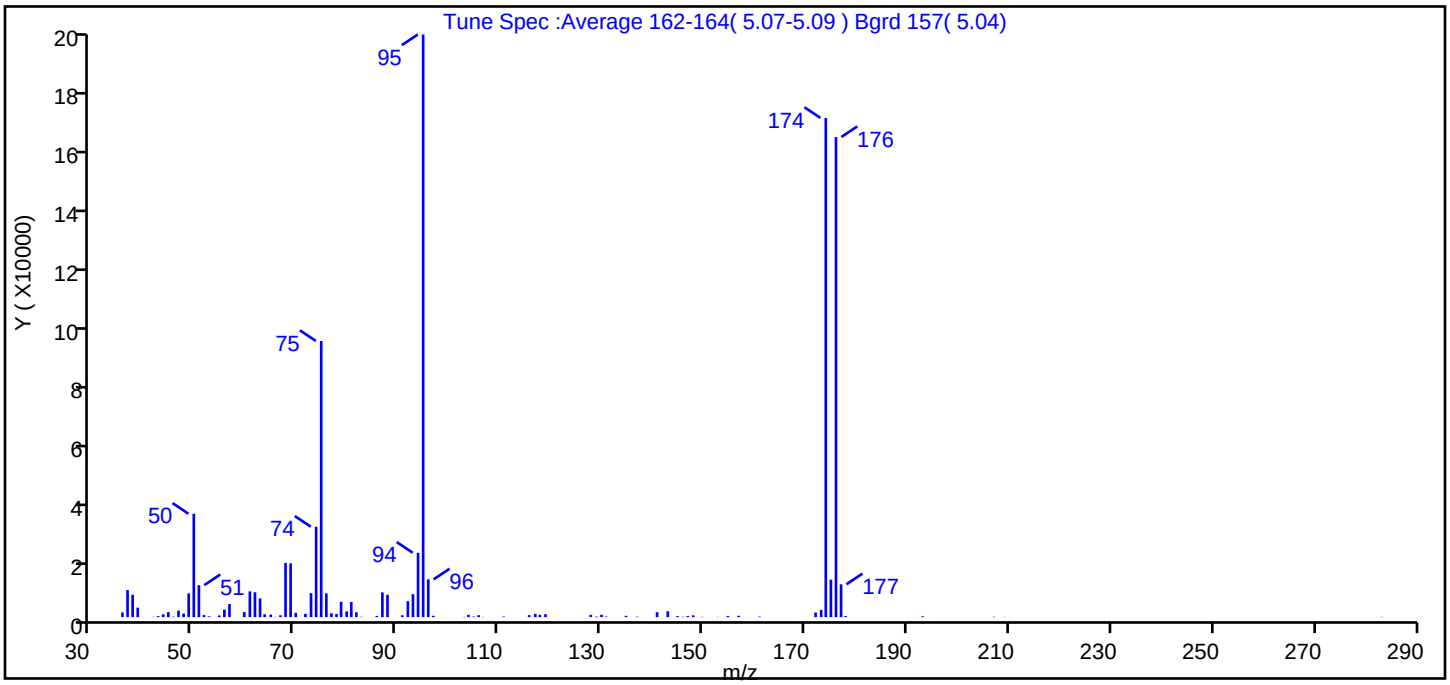
MSV_V_BFB_00016 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28T01.D
Injection Date: 28-Mar-2024 07:25:30 Instrument ID: 19094
Lims ID: BFB
Client ID:
Operator ID: knk41612 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 166 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.7
75	30 to 60% of m/z 95	47.4
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	1.2 (1.4)
174	50 to 120% of m/z 95	85.7
175	5 to 9% of m/z 174	6.4 (7.5)
176	Greater than 95% but less than 101% of m/z 174	82.4 (96.2)
177	5 to 9% of m/z 176	5.6 (6.8)

Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28T01.D\MSV_19094_25mL.rslt\spectra.d
Injection Date: 28-Mar-2024 07:25:30
Spectrum: Tune Spec :Average 162-164(5.07-5.09) Bgrd 157(5.04)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 91

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1557	63.00	6283	91.00	620	141.00	1663
37.00	9079	64.00	960	92.00	5358	143.00	1973
38.00	7497	65.00	876	93.00	7694	145.00	352
39.00	3187	66.00	88	94.00	21584	146.00	134
40.00	14	67.00	618	95.00	195264	147.00	357
42.00	96	68.00	18184	96.00	12655	148.00	609
43.00	358	69.00	18032	97.00	448	150.00	101
44.00	933	70.00	1468	103.00	95	153.00	89
45.00	1691	72.00	1113	104.00	764	155.00	380
46.00	153	73.00	8047	105.00	193	157.00	467
47.00	2174	74.00	30304	106.00	659	161.00	189
48.00	1184	75.00	92552	107.00	86	172.00	1555
49.00	7957	76.00	7969	111.00	212	173.00	2421
50.00	34648	77.00	1294	116.00	679	174.00	167296
51.00	10719	78.00	1074	117.00	1087	175.00	12581
52.00	691	79.00	5154	118.00	783	176.00	160896
53.00	279	80.00	1920	119.00	998	177.00	11008
55.00	569	81.00	5074	128.00	755	178.00	352
56.00	2537	82.00	1611	129.00	199	193.00	281
57.00	4418	83.00	126	130.00	781	207.00	126
60.00	1742	86.00	415	131.00	207	209.00	79
61.00	8641	87.00	8278	135.00	449	283.00	97
62.00	8337	88.00	7489	137.00	176		

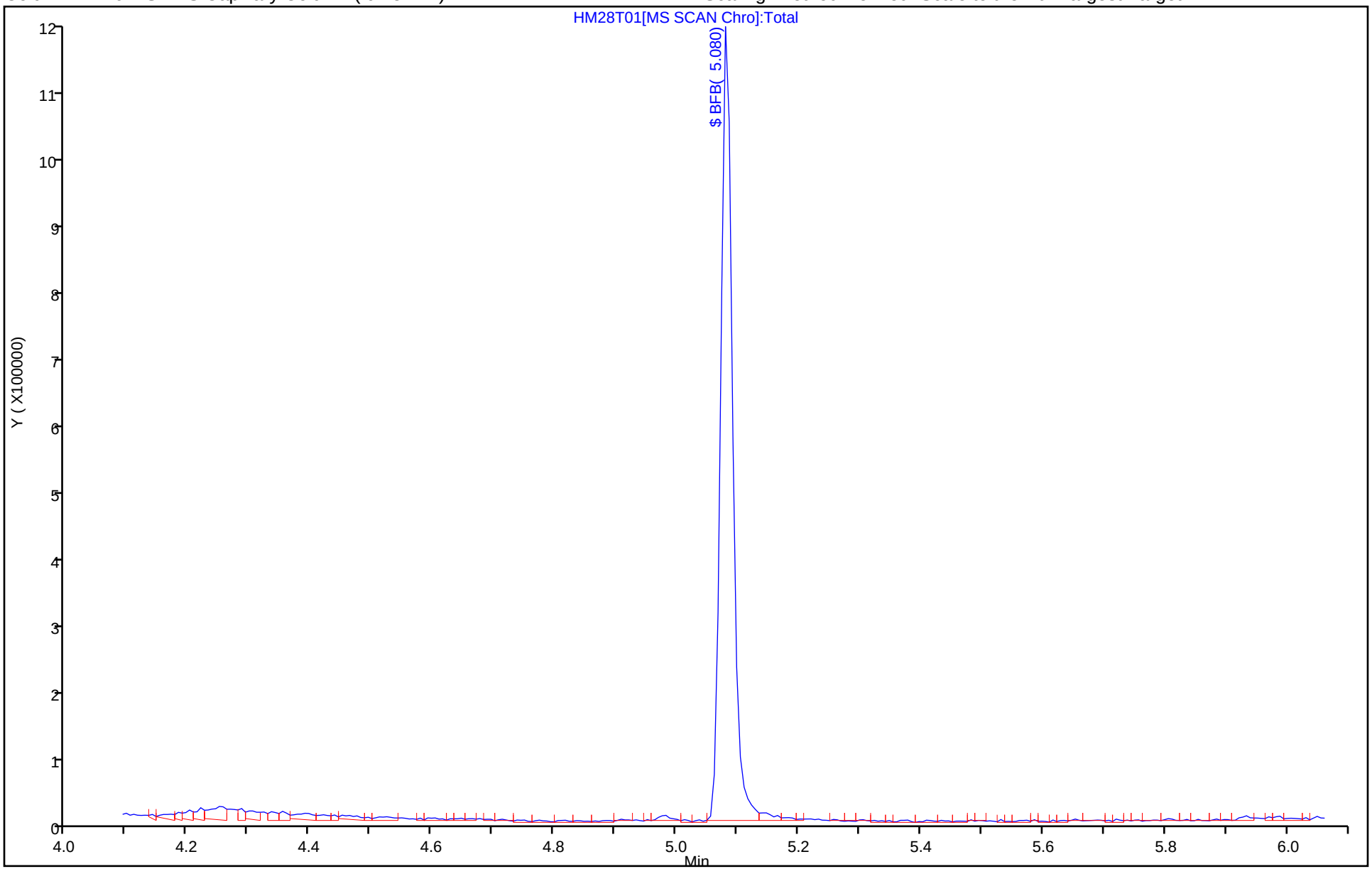
Report Date: 28-Mar-2024 09:39:59 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28T01.D

Injection Date:	28-Mar-2024 07:25:30	Instrument ID:	19094	Operator ID:	knk41612
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-486836/6

Matrix: Water
Lab File ID: CM25X05.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 03/25/2024 20:45

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 486836
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-486836/6

Matrix: Water
Lab File ID: CM25X05.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 03/25/2024 20:45

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 486836
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	ND		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	120		80-120
460-00-4	4-Bromofluorobenzene (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	111		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X05.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 25-Mar-2024 20:45:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109513-006
Misc. Info.: MB
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Mar-2024 12:57:00 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: JS6E Date: 25-Mar-2024 21:38:56

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	116		1.787					ND	
2	Dichlorodifluoromethane	85		1.823					ND	
3	Chlorodifluoromethane	51		1.836					ND	U
4	Dimethyl ether	45		1.884					ND	7
5	Chloromethane	50		2.000					ND	
6	Vinyl chloride	62		2.104					ND	
7	Butadiene	39		2.116					ND	7
8	2-Chloro-1,1,1-Trifluoroethane	118		2.183					ND	
9	Bromomethane	94		2.402					ND	
10	Chloroethane	64		2.470					ND	
11	Dichlorofluoromethane	67		2.701					ND	
12	Trichlorofluoromethane	101		2.762					ND	
13	Pentane	43		2.768					ND	U
14	Ethyl ether	59		2.957					ND	
16	1,2-Dichloro-1,1,2-trifluoroetha	67		3.055					ND	7
17	Acrolein	56		3.110					ND	MU
18	1,1-Dichloroethene	96		3.232					ND	
20	Acetone	43	3.262	3.262	0.000	19	3656		0.5628	
21	1,1,2-Trichloro-1,2,2-trifluoroe	101		3.280					ND	
22	Iodomethane	142		3.408					ND	
24	Isopropyl alcohol	45		3.421					ND	
23	Ethyl bromide	108		3.433					ND	
25	Carbon disulfide	76		3.494					ND	7
27	Acetonitrile	41		3.616					ND	7
26	Methyl acetate	43		3.640					ND	
29	3-Chloro-1-propene	41		3.658					ND	
* 31	t-Butyl alcohol-d10 (IS)	65	3.847	3.829	0.018	95	124088	50.0	50.0	
30	Methylene Chloride	84		3.835					ND	
32	2-Methyl-2-propanol	59		3.957					ND	7
33	Acrylonitrile	53		4.146					ND	
34	Methyl tert-butyl ether	73		4.195					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 trans-1,2-Dichloroethene	96		4.201					ND	
36 Hexane	57		4.628					ND	
38 Vinyl acetate	43		4.859					ND	
37 1,1-Dichloroethane	63		4.865					ND	
39 Isopropyl ether	45		4.926					ND	
40 2-Chloro-1,3-butadiene	53		4.975					ND	
41 Tert-butyl ethyl ether	59		5.469					ND	7
42 2-Butanone (MEK)	43		5.682					ND	7
43 cis-1,2-Dichloroethene	96		5.713					ND	
44 2,2-Dichloropropane	77		5.725					ND	7
46 Ethyl acetate	43		5.762					ND	7
45 Propionitrile	54		5.774					ND	
47 Methacrylonitrile	67		5.999					ND	
51 Methyl acrylate	55		6.013					ND	
48 Chlorobromomethane	128		6.042					ND	
49 Tetrahydrofuran	71		6.048					ND	
S 52 1,2-Dichloroethene, Total	100		6.155					ND	7
50 Chloroform	83		6.207					ND	
$ 54 Dibromofluoromethane (Surr)	113	6.426	6.426	0.000	94	446128	10.0	11.1	
53 1,1,1-Trichloroethane	97		6.432					ND	
55 Cyclohexane	56		6.530					ND	
56 Carbon tetrachloride	117		6.639					ND	
57 1,1-Dichloropropene	75		6.646					ND	
62 1-Chlorobutane	56		6.781					ND	
58 Isobutyl alcohol	41		6.828					ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.883	6.883	0.000	99	97098	10.0	12.0	
60 Benzene	78		6.914					ND	
61 1,2-Dichloroethane	62		6.987					ND	
63 Isopropyl acetate	43		7.024					ND	
64 Tert-amyl methyl ether	73		7.115					ND	
* 65 Fluorobenzene (IS)	96	7.328	7.328	0.000	99	1797114	10.0	10.0	
66 n-Heptane	43		7.347					ND	7
67 n-Butanol	56		7.737					ND	
68 Trichloroethene	95		7.816					ND	
69 Methylcyclohexane	83		8.121					ND	
70 1,2-Dichloropropane	63		8.157					ND	
71 2-ethoxy-2-methyl butane	87		8.176					ND	
74 1,4-Dioxane	88		8.243					ND	
73 Methyl methacrylate	69		8.255					ND	
72 Dibromomethane	93		8.267					ND	
75 n-Propyl acetate	61		8.353					ND	
76 Dichlorobromomethane	83		8.517					ND	
77 2-Nitropropane	41		8.804					ND	
79 2-Chloroethyl vinyl ether	63		8.901					ND	
78 1-Bromo-2-chloroethane	63		8.907					ND	
81 Chloroacetonitrile	75		9.067					ND	
80 cis-1,3-Dichloropropene	75		9.084					ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.291					ND	7
$ 83 Toluene-d8 (Surr)	98	9.413	9.413	0.000	94	1840377	10.0	10.2	
84 Toluene	92		9.493					ND	7
85 trans-1,3-Dichloropropene	75		9.779					ND	7
86 Ethyl methacrylate	69		9.852					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
87 1,1,2-Trichloroethane	97		9.992					ND	
S 107 1,3-Dichloropropene, Total	100		10.060					ND	7
88 Tetrachloroethene	166		10.072					ND	
89 1,3-Dichloropropane	76		10.163					ND	
106 2-Hexanone	43		10.224					ND	7
109 n-Butyl acetate	43		10.358					ND	
108 Chlorodibromomethane	129		10.377					ND	
110 Ethylene Dibromide	107		10.486					ND	
* 111 Chlorobenzene-d5 (IS)	117	10.943	10.943	0.000	85	1433952	10.0	10.0	
112 1-Chlorohexane	91		10.962					ND	7
113 Chlorobenzene	112		10.974					ND	
114 1,1,1,2-Tetrachloroethane	131		11.059					ND	
115 Ethylbenzene	91		11.065					ND	
116 m-Xylene & p-Xylene	106		11.187					ND	7
S 117 Xylenes, Total	106		11.245					ND	7
118 o-Xylene	106		11.523					ND	
119 Styrene	104		11.541					ND	7
120 Bromoform	173		11.693					ND	7
121 Isopropylbenzene	105		11.834					ND	
122 cis-1,4-Dichloro-2-butene	88		11.895					ND	
123 Cyclohexanone	55		11.919					ND	
$ 124 4-Bromofluorobenzene (Surr)	95	11.980	11.980	0.000	94	652653	10.0	8.97	
126 1,1,2,2-Tetrachloroethane	83		12.096					ND	
125 Bromobenzene	156		12.096					ND	7
127 trans-1,4-Dichloro-2-butene	53		12.120					ND	
128 1,2,3-Trichloropropane	110		12.138					ND	
129 N-Propylbenzene	91		12.175					ND	
130 2-Chlorotoluene	126		12.248					ND	7
131 1,3,5-Trimethylbenzene	105		12.315					ND	
132 4-Chlorotoluene	126		12.346					ND	7
133 tert-Butylbenzene	134		12.559					ND	
134 Pentachloroethane	167		12.590					ND	
135 1,2,4-Trimethylbenzene	105		12.602					ND	
136 sec-Butylbenzene	105		12.730					ND	
137 1,3-Dichlorobenzene	146		12.821					ND	7
138 4-Isopropyltoluene	119		12.839					ND	7
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	809640	10.0	10.0	
140 1,4-Dichlorobenzene	146		12.900					ND	7
141 1,2,3-Trimethylbenzene	120		12.913					ND	7
142 Benzyl chloride	126		12.980					ND	
145 p-Diethylbenzene	119		13.114					ND	U
143 n-Butylbenzene	92		13.138					ND	7
144 1,2-Dichlorobenzene	146		13.163					ND	7
147 Hexachloroethane	117		13.444					ND	
148 1,2-Dibromo-3-Chloropropane	155		13.717					ND	
149 1,3,5-Trichlorobenzene	180		13.845					ND	7
150 1,2,4-Trichlorobenzene	180		14.272					ND	7
151 Hexachlorobutadiene	225		14.357					ND	7
152 Naphthalene	128	14.461	14.455	0.006	95	3686		0.0315	
153 1,2,3-Trichlorobenzene	180	14.595	14.601	-0.006	89	1976		0.0342	
154 2-Methylnaphthalene	142	15.223	15.217	0.006	88	1728		0.0550	
155 Dodecane	57		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
156 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
157 tert-Butyl Formate	1		0.000					ND	
158 2-Bromo-1-chloropropane	1		0.000					ND	
159 1-Chloropropane	1		0.000					ND	
160 1,1-Dichloroacetone	1		0.000					ND	
161 Methylal	1		0.000					ND	
162 Propene oxide	1		0.000					ND	
163 t-Amyl alcohol	1		0.000					ND	
164 Ethanol	45		0.000					ND	
165 n-Decane	57		0.000					ND	
166 1-Bromo-3-Chloropropane	1		0.000					ND	

QC Flag Legend

Processing Flags
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- U - Marked Undetected

Reagents:

MSV_HP25_ISSS_00085 Amount Added: 1.00 Units: uL Run Reagent

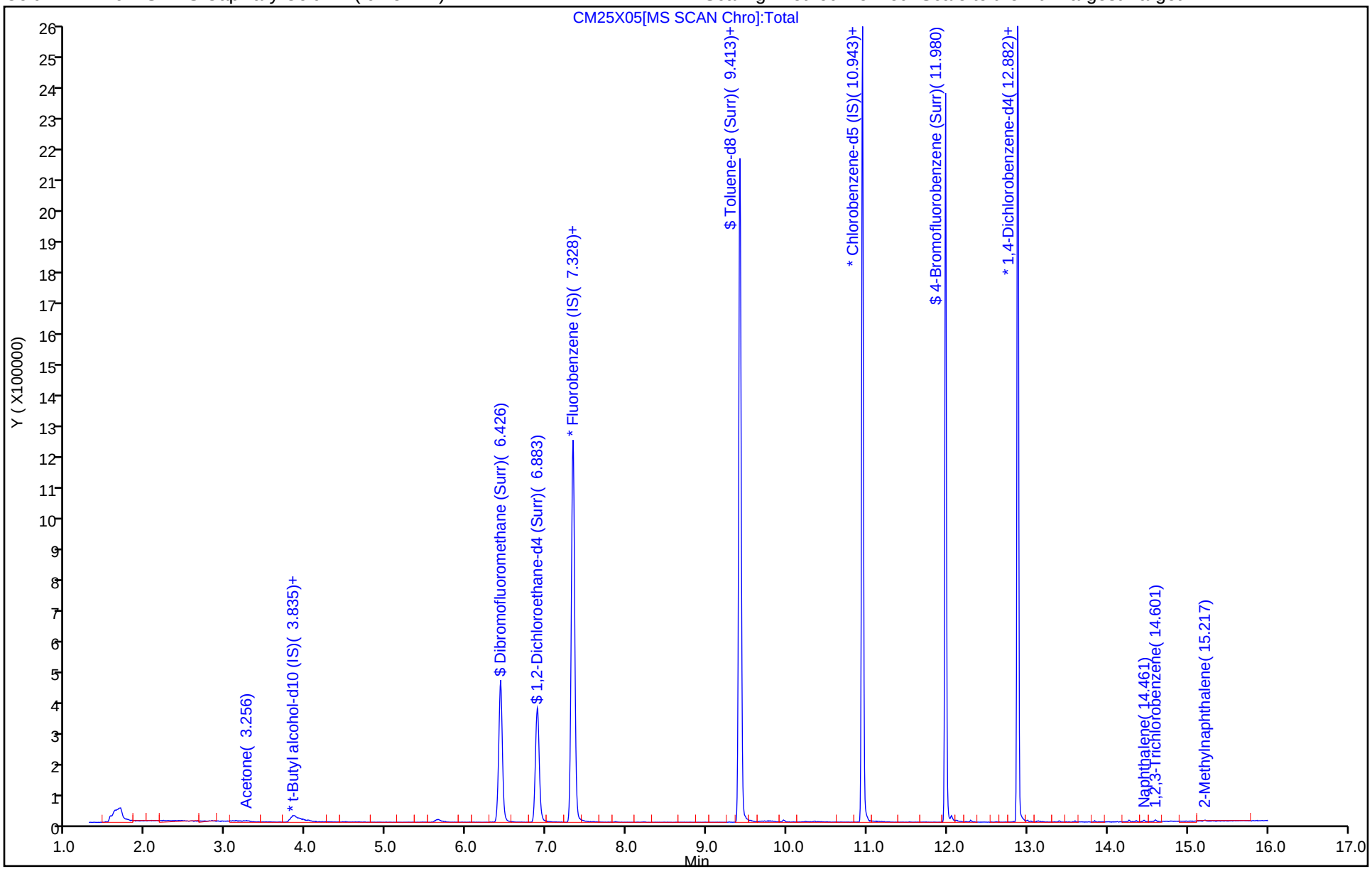
Report Date: 26-Mar-2024 12:57:00 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X05.D

Injection Date:	25-Mar-2024 20:45:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	MB			Worklist Smp#:	6
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X05.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 25-Mar-2024 20:45:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109513-006
Misc. Info.: MB
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Mar-2024 12:57:00 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: JS6E Date: 25-Mar-2024 21:38:56

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.1	111.30
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	12.0	119.70
$ 83 Toluene-d8 (Surr)	10.0	10.2	101.53
$ 124 4-Bromofluorobenzene (Surr)	10.0	8.97	89.66

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-487558/7

Matrix: Water
Lab File ID: CM27X06.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 03/27/2024 12:08

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 487558
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-487558/7

Matrix: Water
Lab File ID: CM27X06.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 03/27/2024 12:08

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 487558
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	ND		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		80-120
460-00-4	4-Bromofluorobenzene (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	112		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27X06.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 27-Mar-2024 12:08:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109672-007
Misc. Info.: MB
Operator ID: knk41612 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20240327-109672.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Mar-2024 19:07:10 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1612

First Level Reviewer: DVW2 Date: 27-Mar-2024 13:18:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		1.787					ND	
2 Dichlorodifluoromethane	85		1.817					ND	
3 Chlorodifluoromethane	51		1.836					ND	U
4 Dimethyl ether	45		1.884					ND	7
5 Chloromethane	50		2.000					ND	
6 Vinyl chloride	62		2.104					ND	
7 Butadiene	39		2.116					ND	7
8 2-Chloro-1,1,1-Trifluoroethane	118		2.183					ND	
9 Bromomethane	94		2.409					ND	
10 Chloroethane	64		2.470					ND	
11 Dichlorofluoromethane	67		2.701					ND	
12 Trichlorofluoromethane	101		2.756					ND	
13 Pentane	43		2.768					ND	U
14 Ethyl ether	59		2.957					ND	
16 1,2-Dichloro-1,1,2-trifluoroetha	67		3.055					ND	
17 Acrolein	56		3.116					ND	7
18 1,1-Dichloroethene	96		3.238					ND	
20 Acetone	43		3.262					ND	7
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.280					ND	
22 Iodomethane	142		3.408					ND	
24 Isopropyl alcohol	45		3.408					ND	
23 Ethyl bromide	108		3.439					ND	
25 Carbon disulfide	76		3.500					ND	7
27 Acetonitrile	41		3.616					ND	7
26 Methyl acetate	43		3.640					ND	7
29 3-Chloro-1-propene	41		3.665					ND	
30 Methylene Chloride	84		3.835					ND	
* 31 t-Butyl alcohol-d10 (IS)	65	3.841	3.835	0.006	95	136230	50.0	50.0	
32 2-Methyl-2-propanol	59		3.945					ND	
33 Acrylonitrile	53		4.146					ND	
34 Methyl tert-butyl ether	73		4.201					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 trans-1,2-Dichloroethene	96		4.207					ND	
36 Hexane	57		4.628					ND	
38 Vinyl acetate	43		4.859					ND	
37 1,1-Dichloroethane	63		4.866					ND	
39 Isopropyl ether	45		4.933					ND	
40 2-Chloro-1,3-butadiene	53		4.975					ND	
41 Tert-butyl ethyl ether	59		5.475					ND	7
42 2-Butanone (MEK)	43		5.676					ND	7
43 cis-1,2-Dichloroethene	96		5.713					ND	
44 2,2-Dichloropropane	77		5.725					ND	7
46 Ethyl acetate	43		5.762					ND	
45 Propionitrile	54		5.774					ND	
47 Methacrylonitrile	67		5.999					ND	
51 Methyl acrylate	55		6.013					ND	
48 Chlorobromomethane	128		6.048					ND	
49 Tetrahydrofuran	71		6.048					ND	
S 52 1,2-Dichloroethene, Total	100		6.155					ND	7
50 Chloroform	83		6.207					ND	
$ 54 Dibromofluoromethane (Surr)	113	6.426	6.426	0.000	94	440586	10.0	11.2	
53 1,1,1-Trichloroethane	97		6.432					ND	
55 Cyclohexane	56		6.524					ND	
56 Carbon tetrachloride	117		6.640					ND	
57 1,1-Dichloropropene	75		6.646					ND	
62 1-Chlorobutane	56		6.781					ND	
58 Isobutyl alcohol	41		6.829					ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.883	6.883	0.000	98	91660	10.0	11.5	
60 Benzene	78		6.914					ND	
61 1,2-Dichloroethane	62		6.993					ND	
63 Isopropyl acetate	43		7.024					ND	
64 Tert-amyl methyl ether	73		7.115					ND	
* 65 Fluorobenzene (IS)	96	7.328	7.335	-0.007	99	1767287	10.0	10.0	
66 n-Heptane	43		7.347					ND	7
67 n-Butanol	56		7.737					ND	
68 Trichloroethene	95		7.816					ND	
69 Methylcyclohexane	83		8.121					ND	
70 1,2-Dichloropropane	63		8.158					ND	
71 2-ethoxy-2-methyl butane	87		8.182					ND	
74 1,4-Dioxane	88		8.249					ND	
73 Methyl methacrylate	69		8.261					ND	
72 Dibromomethane	93		8.267					ND	
75 n-Propyl acetate	61		8.353					ND	
76 Dichlorobromomethane	83		8.511					ND	
77 2-Nitropropane	41		8.804					ND	7
79 2-Chloroethyl vinyl ether	63		8.901					ND	
78 1-Bromo-2-chloroethane	63		8.907					ND	
81 Chloroacetonitrile	75		9.067					ND	
80 cis-1,3-Dichloropropene	75		9.084					ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.291					ND	7
$ 83 Toluene-d8 (Surr)	98	9.413	9.413	0.000	94	1811220	10.0	10.2	
84 Toluene	92		9.493					ND	7
85 trans-1,3-Dichloropropene	75		9.779					ND	
86 Ethyl methacrylate	69		9.852					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
87 1,1,2-Trichloroethane	97		9.993					ND	
S 107 1,3-Dichloropropene, Total	100		10.060					ND	7
88 Tetrachloroethene	166		10.072					ND	
89 1,3-Dichloropropane	76		10.163					ND	
106 2-Hexanone	43		10.230					ND	7
109 n-Butyl acetate	43		10.358					ND	
108 Chlorodibromomethane	129		10.383					ND	
110 Ethylene Dibromide	107		10.492					ND	
* 111 Chlorobenzene-d5 (IS)	117	10.944	10.944	0.000	85	1405737	10.0	10.0	
112 1-Chlorohexane	91		10.962					ND	7
113 Chlorobenzene	112		10.974					ND	7
114 1,1,1,2-Tetrachloroethane	131		11.059					ND	
115 Ethylbenzene	91		11.066					ND	
116 m-Xylene & p-Xylene	106		11.187					ND	7
S 117 Xylenes, Total	106		11.245					ND	7
118 o-Xylene	106		11.523					ND	
119 Styrene	104		11.541					ND	7
120 Bromoform	173		11.700					ND	7
121 Isopropylbenzene	105		11.834					ND	
122 cis-1,4-Dichloro-2-butene	88		11.895					ND	
123 Cyclohexanone	55		11.919					ND	
$ 124 4-Bromofluorobenzene (Surr)	95	11.980	11.980	0.000	94	644701	10.0	9.03	
126 1,1,2,2-Tetrachloroethane	83		12.096					ND	
125 Bromobenzene	156		12.096					ND	
127 trans-1,4-Dichloro-2-butene	53		12.120					ND	
128 1,2,3-Trichloropropane	110		12.138					ND	
129 N-Propylbenzene	91		12.175					ND	
130 2-Chlorotoluene	126		12.248					ND	
131 1,3,5-Trimethylbenzene	105		12.315					ND	
132 4-Chlorotoluene	126		12.346					ND	
133 tert-Butylbenzene	134		12.559					ND	
134 Pentachloroethane	167		12.590					ND	
135 1,2,4-Trimethylbenzene	105		12.602					ND	
136 sec-Butylbenzene	105		12.730					ND	
137 1,3-Dichlorobenzene	146		12.821					ND	7
138 4-Isopropyltoluene	119		12.840					ND	7
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	94	805495	10.0	10.0	
140 1,4-Dichlorobenzene	146		12.901					ND	7
141 1,2,3-Trimethylbenzene	120		12.913					ND	7
142 Benzyl chloride	126		12.980					ND	
145 p-Diethylbenzene	119		13.114					ND	U
143 n-Butylbenzene	92		13.138					ND	7
144 1,2-Dichlorobenzene	146		13.163					ND	
147 Hexachloroethane	117		13.444					ND	
148 1,2-Dibromo-3-Chloropropane	155		13.717					ND	
149 1,3,5-Trichlorobenzene	180		13.839					ND	7
150 1,2,4-Trichlorobenzene	180		14.272					ND	7
151 Hexachlorobutadiene	225		14.358					ND	7
152 Naphthalene	128	14.455	14.455	0.000	96	3224		0.0277	
153 1,2,3-Trichlorobenzene	180	14.601	14.601	0.000	90	1710		0.0298	
154 2-Methylnaphthalene	142	15.217	15.217	0.000	87	1776		0.0568	
155 Dodecane	57		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
156 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
157 tert-Butyl Formate	1		0.000					ND	
158 2-Bromo-1-chloropropane	1		0.000					ND	
159 1-Chloropropane	1		0.000					ND	
160 1,1-Dichloroacetone	1		0.000					ND	
161 Methylal	1		0.000					ND	
162 Propene oxide	1		0.000					ND	
163 t-Amyl alcohol	1		0.000					ND	
164 Ethanol	45		0.000					ND	
165 n-Decane	57		0.000					ND	
166 1-Bromo-3-Chloropropane	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP25_ISSS_00086 Amount Added: 1.00 Units: uL Run Reagent

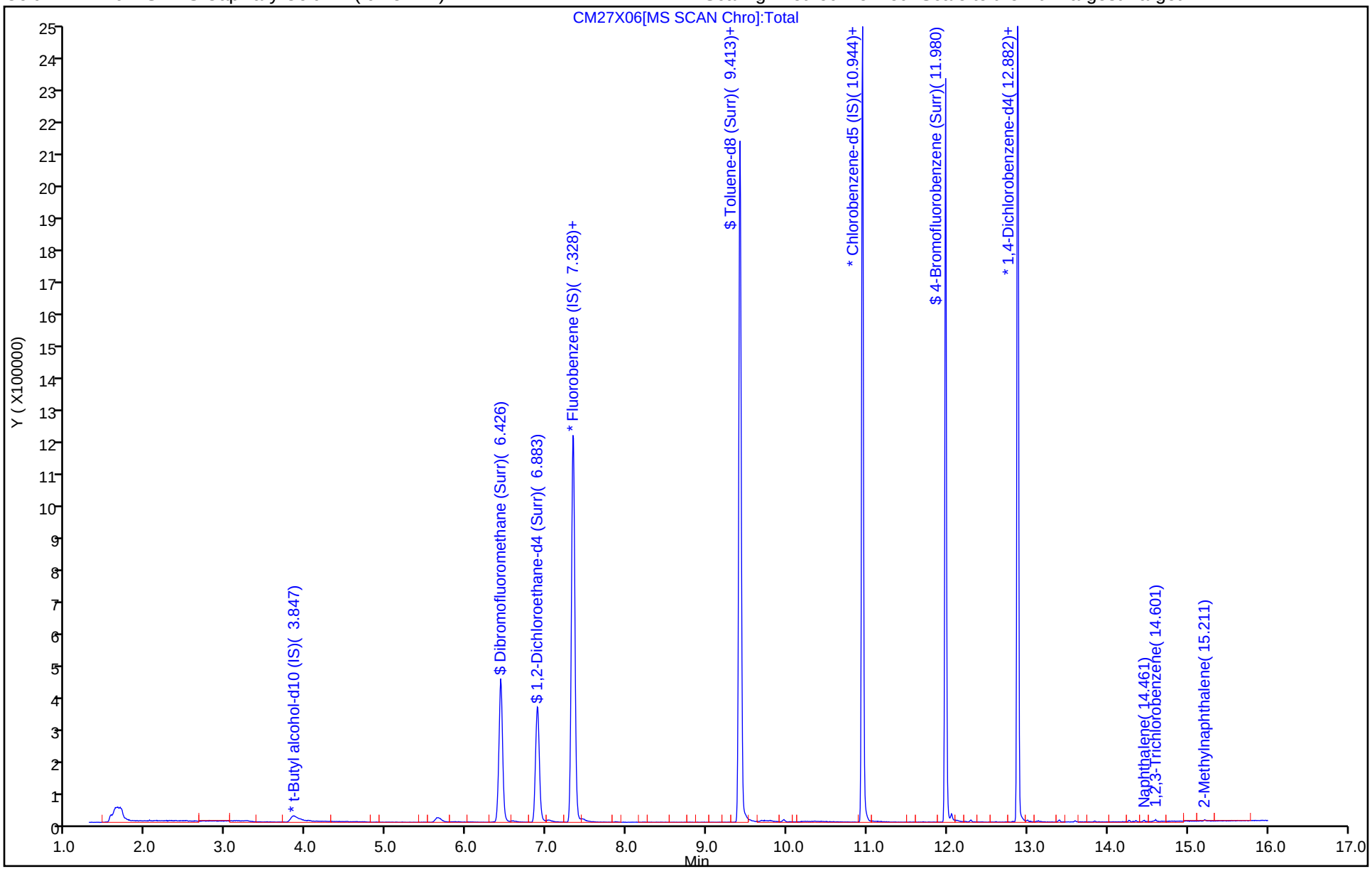
Report Date: 28-Mar-2024 08:43:54 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27X06.D

Injection Date:	27-Mar-2024 12:08:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27X06.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 27-Mar-2024 12:08:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109672-007
Misc. Info.: MB
Operator ID: knk41612 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20240327-109672.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Mar-2024 19:07:10 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1612

First Level Reviewer: DVW2 Date: 27-Mar-2024 13:18:01

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.2	111.78
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	11.5	114.90
$ 83 Toluene-d8 (Surr)	10.0	10.2	101.93
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.03	90.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-487972/7

Matrix: Water
Lab File ID: HM28X06.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2024 09:21

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 487972
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-487972/7

Matrix: Water
Lab File ID: HM28X06.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2024 09:21

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 487972
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	ND		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		80-120
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X06.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 28-Mar-2024 09:21:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109765-007
Misc. Info.: MB
Operator ID: knk41612 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2024 09:46:13 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1664

First Level Reviewer: DVW2 Date: 28-Mar-2024 09:46:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		1.831					ND	
3 Chlorodifluoromethane	51		1.879					ND	
2 Dichlorodifluoromethane	85		1.880					ND	
4 Dimethyl ether	45		1.946					ND	
5 Chloromethane	50		2.062					ND	
6 Vinyl chloride	62		2.172					ND	
7 Butadiene	39		2.178					ND	7
8 2-Chloro-1,1,1-Trifluoroethane	118		2.239					ND	
9 Bromomethane	94		2.489					ND	
10 Chloroethane	64		2.562					ND	
11 Dichlorofluoromethane	67		2.788					ND	
12 Trichlorofluoromethane	101		2.861					ND	
14 Ethyl ether	59		3.081					ND	
13 Ethanol	45		3.111					ND	
15 1,2-Dichloro-1,1,2-trifluoroetha	67		3.160					ND	
16 Acrolein	56		3.239					ND	
17 1,1-Dichloroethene	96		3.367					ND	
19 Acetone	43		3.398					ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.410					ND	
21 Iodomethane	142		3.556					ND	
22 Ethyl bromide	108		3.580					ND	
23 Carbon disulfide	76		3.660					ND	7
25 Acetonitrile	41		3.794					ND	
24 Methyl acetate	43		3.794					ND	
26 3-Chloro-1-propene	41		3.818					ND	
27 Methylene Chloride	84		3.989					ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.970	3.989	-0.019	24	75218	50.0	50.0	
29 2-Methyl-2-propanol	59		4.099					ND	
31 Acrylonitrile	53		4.324					ND	
32 Methyl tert-butyl ether	73		4.379					ND	
33 trans-1,2-Dichloroethene	96		4.385					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 Hexane	57		4.818					ND	
36 1,1-Dichloroethane	63		5.044					ND	
35 Vinyl acetate	43		5.056					ND	
37 Isopropyl ether	45		5.111					ND	
38 2-Chloro-1,3-butadiene	53		5.159					ND	
40 Tert-butyl ethyl ether	59		5.647					ND	
41 2-Butanone (MEK)	43		5.848					ND	
42 cis-1,2-Dichloroethene	96		5.885					ND	
43 2,2-Dichloropropane	77		5.897					ND	
44 Propionitrile	54		5.928					ND	
45 Ethyl acetate	43		5.946					ND	
47 Methacrylonitrile	67		6.153					ND	
S 46 1,2-Dichloroethene, Total	100		6.155					ND	7
48 Chlorobromomethane	128		6.220					ND	
49 Tetrahydrofuran	71		6.238					ND	
50 Chloroform	83		6.379					ND	
51 Methyl acrylate	55		6.482					ND	
$ 52 Dibromofluoromethane (Surr)	113	6.586	6.592	-0.006	94	422833	10.0	10.2	
53 1,1,1-Trichloroethane	97		6.604					ND	
54 Cyclohexane	56		6.714					ND	
56 Carbon tetrachloride	117		6.818					ND	
55 1,1-Dichloropropene	75		6.824					ND	
57 Isobutyl alcohol	41		6.970					ND	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.037	7.049	-0.012	47	83684	10.0	10.7	
59 Benzene	78		7.080					ND	
60 1,2-Dichloroethane	62		7.159					ND	
61 Isopropyl acetate	43		7.189					ND	
62 1-Chlorobutane	56	7.482	7.250	0.232	33	9120		NC	
63 Tert-amyl methyl ether	73		7.287					ND	
* 64 Fluorobenzene (IS)	96	7.488	7.494	-0.006	99	1642403	10.0	10.0	
65 n-Heptane	43		7.513					ND	
66 t-Amyl alcohol	73		7.842					ND	
67 n-Butanol	56		7.872					ND	
68 Trichloroethene	95		7.982					ND	
69 Methylcyclohexane	83		8.293					ND	
70 1,2-Dichloropropane	63		8.311					ND	
71 2-ethoxy-2-methyl butane	87		8.329					ND	
72 Methyl methacrylate	69		8.403					ND	
73 1,4-Dioxane	88		8.415					ND	
74 Dibromomethane	93		8.421					ND	
75 n-Propyl acetate	61		8.506					ND	
76 Dichlorobromomethane	83		8.665					ND	
77 2-Nitropropane	41		8.927					ND	
78 2-Chloroethyl vinyl ether	63		9.049					ND	
79 1-Bromo-2-chloroethane	63		9.061					ND	
80 cis-1,3-Dichloropropene	75		9.226					ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.402					ND	
81 Chloroacetonitrile	75		9.427					ND	
$ 83 Toluene-d8 (Surr)	98	9.542	9.543	-0.001	93	1725718	10.0	9.66	
84 Toluene	92		9.622					ND	
85 trans-1,3-Dichloropropene	75		9.890					ND	
104 Ethyl methacrylate	69		9.963					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 105 1,3-Dichloropropene, Total	100		10.060					ND	7
106 1,1,2-Trichloroethane	97		10.104					ND	
107 Tetrachloroethene	166		10.189					ND	
108 1,3-Dichloropropane	76		10.268					ND	
109 2-Hexanone	43		10.323					ND	
110 n-Butyl acetate	43		10.463					ND	
111 Chlorodibromomethane	129		10.488					ND	
112 Ethylene Dibromide	107		10.597					ND	
* 113 Chlorobenzene-d5 (IS)	117	11.042	11.042	0.000	85	1351570	10.0	10.0	
114 1-Chlorohexane	91		11.048					ND	7
115 Chlorobenzene	112		11.067					ND	
116 1,1,1,2-Tetrachloroethane	131		11.152					ND	
117 Ethylbenzene	91		11.158					ND	
S 118 Xylenes, Total	106		11.245					ND	7
119 m-Xylene & p-Xylene	106		11.274					ND	
120 o-Xylene	106		11.603					ND	
121 Styrene	104		11.622					ND	
122 Bromoform	173		11.780					ND	
123 Isopropylbenzene	105		11.908					ND	
124 cis-1,4-Dichloro-2-butene	88		11.963					ND	U
125 Cyclohexanone	55		11.999					ND	
$ 126 4-Bromofluorobenzene (Surr)	95	12.060	12.054	0.006	94	626252	10.0	9.36	
127 1,1,2,2-Tetrachloroethane	83		12.158					ND	
128 Bromobenzene	156		12.170					ND	
129 trans-1,4-Dichloro-2-butene	53		12.182					ND	
130 1,2,3-Trichloropropane	110		12.207					ND	
131 N-Propylbenzene	91		12.243					ND	
132 2-Chlorotoluene	126		12.317					ND	
133 1,3,5-Trimethylbenzene	105		12.384					ND	
134 4-Chlorotoluene	126		12.414					ND	
135 tert-Butylbenzene	134		12.621					ND	
136 Pentachloroethane	167		12.652					ND	
137 1,2,4-Trimethylbenzene	105		12.664					ND	7
138 sec-Butylbenzene	105		12.786					ND	7
139 1,3-Dichlorobenzene	146		12.890					ND	7
140 4-Isopropyltoluene	119		12.896					ND	7
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	718094	10.0	10.0	
142 1,4-Dichlorobenzene	146		12.963					ND	7
143 1,2,3-Trimethylbenzene	120		12.969					ND	7
144 Benzyl chloride	126		13.036					ND	
145 p-Diethylbenzene	119		13.097					ND	
146 n-Butylbenzene	92		13.188					ND	
147 1,2-Dichlorobenzene	146		13.219					ND	
148 Hexachloroethane	201		13.682					ND	
149 1,2-Dibromo-3-Chloropropane	155		13.767					ND	
150 1,3,5-Trichlorobenzene	180		13.895					ND	7
151 1,2,4-Trichlorobenzene	180		14.316					ND	7
152 Hexachlorobutadiene	225	14.395	14.401	-0.006	81	1534		0.0809	
153 Naphthalene	128		14.499					ND	7
154 1,2,3-Trichlorobenzene	180	14.657	14.639	0.018	1	1265		0.0363	
155 tert-Butyl Formate	1		0.000					ND	
156 Dodecane	57		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
157 Pentane	43		0.000					ND	
158 1,1-Dichloroacetone	1		0.000					ND	
159 n-Decane	57		0.000					ND	
160 1-Bromo-3-Chloropropane	1		0.000					ND	
161 1-Chloropropane	1		0.000					ND	
162 Propene oxide	1		0.000					ND	
163 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
164 Methylal	1		0.000					ND	
165 2-Bromo-1-chloropropane	1		0.000					ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- 7 - Failed Limit of Detection

Review Flags
- U - Marked Undetected

Reagents:

MSV_LLcentISS_00012 Amount Added: 5.00 Units: uL Run Reagent

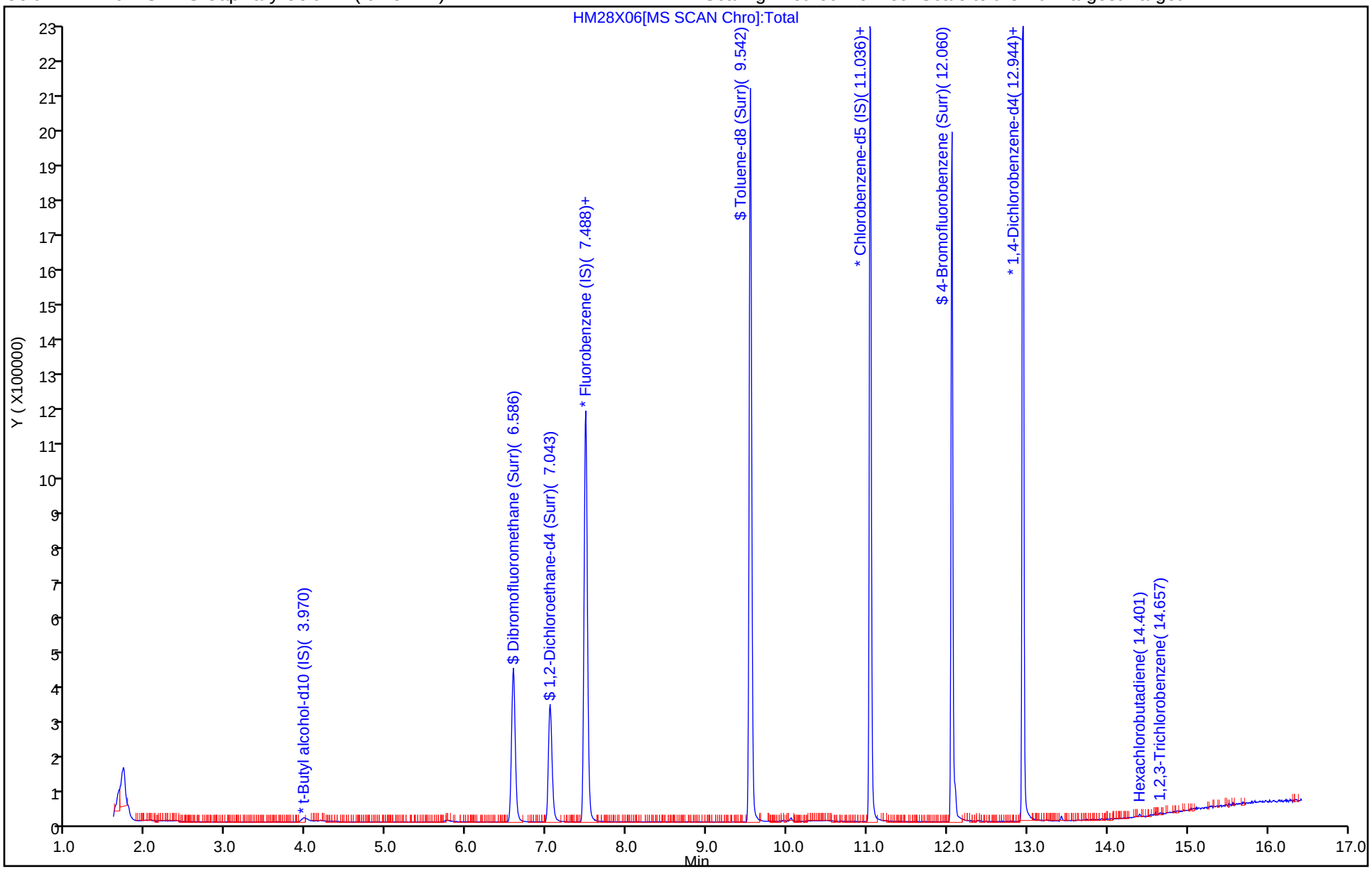
Report Date: 28-Mar-2024 09:46:38 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X06.D

Injection Date:	28-Mar-2024 09:21:30	Instrument ID:	19094	Operator ID:	knk41612
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X06.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 28-Mar-2024 09:21:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109765-007
Misc. Info.: MB
Operator ID: knk41612 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2024 09:46:13 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1664

First Level Reviewer: DVW2 Date: 28-Mar-2024 09:46:13

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	10.2	101.61
$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.7	106.67
$ 83 Toluene-d8 (Surr)	10.0	9.66	96.61
$ 126 4-Bromofluorobenzene (Surr)	10.0	9.36	93.62

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-486836/4

Matrix: Water
Lab File ID: CM25X03.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 03/25/2024 20:00

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 486836
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.48		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.38		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.37		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.48		0.50	0.080
75-34-3	1,1-Dichloroethane	5.40		0.50	0.10
75-35-4	1,1-Dichloroethene	5.62		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.31		0.50	0.080
107-06-2	1,2-Dichloroethane	5.61		0.50	0.070
78-87-5	1,2-Dichloropropane	5.41		0.50	0.10
78-93-3	2-Butanone (MEK)	63.8		5.0	1.0
591-78-6	2-Hexanone	65.5		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	66.4		5.0	1.0
67-64-1	Acetone	76.0		5.0	1.0
71-43-2	Benzene	5.34		0.50	0.10
74-97-5	Bromochloromethane	5.64		0.50	0.080
75-27-4	Bromodichloromethane	5.58		0.50	0.080
75-25-2	Bromoform	5.72		1.0	0.30
74-83-9	Bromomethane	5.26		0.50	0.10
75-15-0	Carbon disulfide	5.09		1.0	0.10
56-23-5	Carbon tetrachloride	5.53		0.50	0.10
108-90-7	Chlorobenzene	5.43		0.50	0.070
75-00-3	Chloroethane	5.66		0.50	0.10
67-66-3	Chloroform	5.30		0.50	0.090
74-87-3	Chloromethane	5.15		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.42		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.99		0.50	0.10
124-48-1	Dibromochloromethane	5.88		0.50	0.080
100-41-4	Ethylbenzene	5.31		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.77		0.50	0.080
75-09-2	Methylene Chloride	5.37		0.50	0.20
100-42-5	Styrene	5.38		0.50	0.070
127-18-4	Tetrachloroethene	5.32		0.50	0.20
108-88-3	Toluene	5.23		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-486836/4

Matrix: Water
Lab File ID: CM25X03.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 03/25/2024 20:00

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 486836
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	5.32		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.30		0.50	0.080
79-01-6	Trichloroethene	5.27		0.50	0.080
75-01-4	Vinyl chloride	5.05		0.50	0.10
1330-20-7	Xylenes, Total	15.9		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	106		80-120
2037-26-5	Toluene-d8 (Surr)	106		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 25-Mar-2024 20:00:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109513-004
Misc. Info.: LCS
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 25-Mar-2024 21:39:35 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1633

First Level Reviewer: JS6E Date: 25-Mar-2024 20:32:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.829	1.823	0.006	99	331585	5.00	5.47	
5 Chloromethane	50	2.006	2.000	0.006	99	391233	5.00	5.15	
6 Vinyl chloride	62	2.110	2.104	0.006	97	349765	5.00	5.05	
7 Butadiene	39	2.128	2.116	0.012	95	366583	5.00	5.25	
9 Bromomethane	94	2.415	2.402	0.013	91	251341	5.00	5.26	
10 Chloroethane	64	2.482	2.470	0.012	100	217213	5.00	5.66	
11 Dichlorofluoromethane	67	2.707	2.701	0.006	98	514323	5.00	4.92	
12 Trichlorofluoromethane	101	2.768	2.762	0.006	97	423432	5.00	5.62	
13 Pentane	43	2.774	2.768	0.006	97	416786	5.00	5.22	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.061	3.055	0.006	93	316329	5.00	5.31	
18 1,1-Dichloroethene	96	3.244	3.232	0.012	97	238926	5.00	5.62	
20 Acetone	43	3.274	3.262	0.012	100	554196	62.5	76.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.293	3.280	0.013	91	208165	5.00	4.65	
22 Iodomethane	142	3.421	3.408	0.013	98	438907	5.00	4.92	
24 Isopropyl alcohol	45	3.421	3.421	0.000	27	66250	37.5	40.7	
25 Carbon disulfide	76	3.506	3.494	0.012	99	754667	5.00	5.09	
26 Methyl acetate	43	3.652	3.640	0.012	97	110649	5.00	4.48	M
29 3-Chloro-1-propene	41	3.671	3.658	0.012	93	390238	5.00	4.90	
* 31 t-Butyl alcohol-d10 (IS)	65	3.847	3.829	0.018	95	139353	50.0	50.0	
30 Methylene Chloride	84	3.841	3.835	0.006	94	268247	5.00	5.37	
32 2-Methyl-2-propanol	59	3.963	3.957	0.006	99	145323	50.0	46.0	
33 Acrylonitrile	53	4.164	4.146	0.018	99	297504	25.0	25.9	
34 Methyl tert-butyl ether	73	4.207	4.195	0.012	90	661759	5.00	4.77	
35 trans-1,2-Dichloroethene	96	4.213	4.201	0.012	99	269324	5.00	5.32	
36 Hexane	57	4.634	4.628	0.006	94	311752	5.00	4.55	
37 1,1-Dichloroethane	63	4.878	4.865	0.013	96	501658	5.00	5.40	
39 Isopropyl ether	45	4.939	4.926	0.013	94	872062	5.00	5.03	
40 2-Chloro-1,3-butadiene	53	4.981	4.975	0.006	90	392216	5.00	5.13	
41 Tert-butyl ethyl ether	59	5.475	5.469	0.006	97	797121	5.00	4.83	
42 2-Butanone (MEK)	43	5.688	5.682	0.006	100	991640	62.5	63.8	
43 cis-1,2-Dichloroethene	96	5.719	5.713	0.006	82	309783	5.00	5.42	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 2,2-Dichloropropane	77	5.731	5.725	0.006	87	396156	5.00	5.14	
45 Propionitrile	54	5.786	5.774	0.012	98	160644	37.5	41.1	
47 Methacrylonitrile	67	6.012	5.999	0.013	93	591039	37.5	39.9	
48 Chlorobromomethane	128	6.054	6.042	0.012	93	144545	5.00	5.64	
49 Tetrahydrofuran	71	6.054	6.048	0.006	73	112011	25.0	25.1	
50 Chloroform	83	6.213	6.207	0.006	93	500384	5.00	5.30	
$ 54 Dibromofluoromethane (Surr)	113	6.432	6.426	0.006	94	450637	10.0	10.6	
53 1,1,1-Trichloroethane	97	6.432	6.432	0.000	98	422263	5.00	5.38	
55 Cyclohexane	56	6.530	6.530	0.000	91	399767	5.00	4.62	
56 Carbon tetrachloride	117	6.646	6.639	0.007	96	381833	5.00	5.53	
57 1,1-Dichloropropene	75	6.652	6.646	0.006	97	369512	5.00	5.25	
58 Isobutyl alcohol	41	6.835	6.828	0.007	95	146668	125.0	129.2	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.895	6.883	0.012	99	97876	10.0	11.4	
60 Benzene	78	6.914	6.914	0.000	97	1155336	5.00	5.34	
61 1,2-Dichloroethane	62	6.993	6.987	0.006	97	326676	5.00	5.61	
64 Tert-amyl methyl ether	73	7.121	7.115	0.006	98	721604	5.00	4.81	
* 65 Fluorobenzene (IS)	96	7.334	7.328	0.006	98	1906438	10.0	10.0	
66 n-Heptane	43	7.353	7.347	0.006	94	379715	5.00	5.19	
67 n-Butanol	56	7.743	7.737	0.006	91	267624	250.0	278.3	
68 Trichloroethene	95	7.822	7.816	0.006	97	294692	5.00	5.27	
69 Methylcyclohexane	83	8.127	8.121	0.006	90	425543	5.00	4.69	
70 1,2-Dichloropropane	63	8.164	8.157	0.007	97	304317	5.00	5.41	
71 2-ethoxy-2-methyl butane	87	8.176	8.176	0.000	93	419159	5.00	4.67	
74 1,4-Dioxane	88	8.249	8.243	0.006	31	34536	125.0	176.8	M
73 Methyl methacrylate	69	8.261	8.255	0.006	93	140194	5.00	4.68	
72 Dibromomethane	93	8.267	8.267	0.000	95	148559	5.00	5.43	
76 Dichlorobromomethane	83	8.517	8.517	0.000	100	364303	5.00	5.58	
77 2-Nitropropane	41	8.804	8.804	0.000	99	37816	5.00	4.48	
78 1-Bromo-2-chloroethane	63	8.913	8.907	0.006	99	314978	5.00	5.47	
80 cis-1,3-Dichloropropene	75	9.084	9.084	0.000	96	425607	5.00	4.99	
82 4-Methyl-2-pentanone (MIBK)	43	9.291	9.291	0.000	97	2574660	62.5	66.4	
$ 83 Toluene-d8 (Surr)	98	9.413	9.413	0.000	93	1977307	10.0	10.6	
84 Toluene	92	9.493	9.493	0.000	98	742057	5.00	5.23	
85 trans-1,3-Dichloropropene	75	9.779	9.779	0.000	93	386716	5.00	5.30	
86 Ethyl methacrylate	69	9.852	9.852	0.000	90	294693	5.00	4.85	
87 1,1,2-Trichloroethane	97	9.992	9.992	0.000	91	221011	5.00	5.48	
88 Tetrachloroethene	166	10.072	10.072	0.000	98	348453	5.00	5.32	
89 1,3-Dichloropropane	76	10.163	10.163	0.000	92	368036	5.00	5.31	
106 2-Hexanone	43	10.230	10.224	0.006	97	1870445	62.5	65.5	
108 Chlorodibromomethane	129	10.383	10.377	0.006	90	289370	5.00	5.88	
110 Ethylene Dibromide	107	10.492	10.486	0.006	99	208067	5.00	5.31	
* 111 Chlorobenzene-d5 (IS)	117	10.943	10.943	0.000	85	1476478	10.0	10.0	
112 1-Chlorohexane	91	10.962	10.962	0.000	97	368073	5.00	4.65	
113 Chlorobenzene	112	10.968	10.974	-0.006	97	900542	5.00	5.43	
114 1,1,1,2-Tetrachloroethane	131	11.059	11.059	0.000	96	313884	5.00	5.48	
115 Ethylbenzene	91	11.065	11.065	0.000	98	1472518	5.00	5.31	
116 m-Xylene & p-Xylene	106	11.187	11.187	0.000	97	1192567	10.0	10.7	
118 o-Xylene	106	11.523	11.523	0.000	96	571855	5.00	5.15	
119 Styrene	104	11.541	11.541	0.000	95	979500	5.00	5.38	
120 Bromoform	173	11.693	11.693	0.000	98	175982	5.00	5.72	
121 Isopropylbenzene	105	11.834	11.834	0.000	96	1466244	5.00	5.55	
$ 124 4-Bromofluorobenzene (Surr)	95	11.980	11.980	0.000	94	722316	10.0	9.64	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
126 1,1,2,2-Tetrachloroethane	83	12.096	12.096	0.000	71	280618	5.00	5.37	
125 Bromobenzene	156	12.096	12.096	0.000	89	405212	5.00	5.25	
127 trans-1,4-Dichloro-2-butene	53	12.120	12.120	0.000	90	360037	25.0	25.5	
128 1,2,3-Trichloropropane	110	12.138	12.138	0.000	85	75538	5.00	5.32	
129 N-Propylbenzene	91	12.175	12.175	0.000	99	1780251	5.00	5.22	
130 2-Chlorotoluene	126	12.248	12.248	0.000	97	371588	5.00	5.01	
131 1,3,5-Trimethylbenzene	105	12.315	12.315	0.000	94	1287403	5.00	5.07	
132 4-Chlorotoluene	126	12.346	12.346	0.000	96	399015	5.00	5.13	
133 tert-Butylbenzene	134	12.559	12.559	0.000	92	268595	5.00	4.57	
135 1,2,4-Trimethylbenzene	105	12.602	12.602	0.000	97	1322416	5.00	5.06	
136 sec-Butylbenzene	105	12.730	12.730	0.000	94	1642828	5.00	5.13	
137 1,3-Dichlorobenzene	146	12.821	12.821	0.000	98	801664	5.00	5.22	
138 4-Isopropyltoluene	119	12.839	12.839	0.000	97	1458239	5.00	5.04	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	93	900614	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.900	12.900	0.000	95	805308	5.00	5.17	
141 1,2,3-Trimethylbenzene	120	12.913	12.913	0.000	98	585376	5.00	4.87	
142 Benzyl chloride	126	12.980	12.980	0.000	98	116391	5.00	5.57	
145 p-Diethylbenzene	119	13.114	13.114	0.000	94	918755	5.00	5.14	
143 n-Butylbenzene	92	13.138	13.138	0.000	97	724763	5.00	5.18	
144 1,2-Dichlorobenzene	146	13.163	13.163	0.000	99	733668	5.00	5.23	
148 1,2-Dibromo-3-Chloropropane	155	13.717	13.717	0.000	87	38139	5.00	5.18	
149 1,3,5-Trichlorobenzene	180	13.839	13.845	-0.006	98	578783	5.00	5.09	
150 1,2,4-Trichlorobenzene	180	14.272	14.272	0.000	94	452041	5.00	5.15	
151 Hexachlorobutadiene	225	14.357	14.357	0.000	96	250690	5.00	5.32	
152 Naphthalene	128	14.455	14.455	0.000	96	706164	5.00	5.43	
153 1,2,3-Trichlorobenzene	180	14.601	14.601	0.000	96	343764	5.00	5.35	
154 2-Methylnaphthalene	142	15.217	15.217	0.000	92	166118	5.00	4.76	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00159	Amount Added:	12.50	Units: uL	
MSV_QC_Gas826_00190	Amount Added:	12.50	Units: uL	
MSV_HP25_ISSS_00085	Amount Added:	1.00	Units: uL	Run Reagent

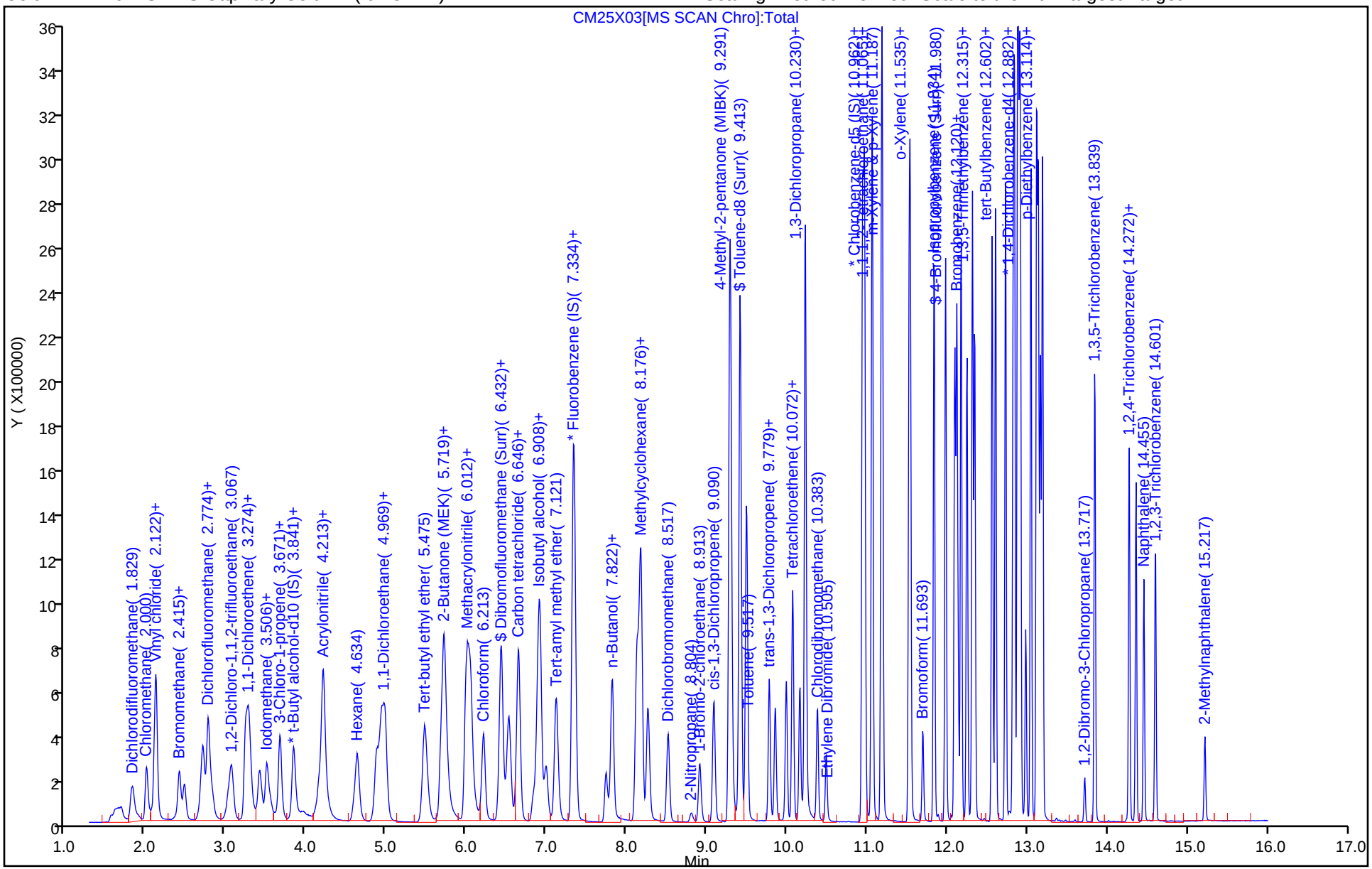
Report Date: 25-Mar-2024 21:39:41 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X03.D

Injection Date:	25-Mar-2024 20:00:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	LCS			Worklist Smp#:	4
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 25-Mar-2024 20:00:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109513-004
Misc. Info.: LCS
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 25-Mar-2024 21:39:35 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1633

First Level Reviewer: JS6E Date: 25-Mar-2024 20:32:29

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	10.6	105.98
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	11.4	113.74
$ 83 Toluene-d8 (Surr)	10.0	10.6	105.94
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.64	96.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-487558/5

Matrix: Water
Lab File ID: CM27X04.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 03/27/2024 11:24

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 487558
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.27		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.21		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	4.97		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.21		0.50	0.080
75-34-3	1,1-Dichloroethane	5.16		0.50	0.10
75-35-4	1,1-Dichloroethene	5.41		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.16		0.50	0.080
107-06-2	1,2-Dichloroethane	5.09		0.50	0.070
78-87-5	1,2-Dichloropropane	5.25		0.50	0.10
78-93-3	2-Butanone (MEK)	51.2		5.0	1.0
591-78-6	2-Hexanone	59.2		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	61.9		5.0	1.0
67-64-1	Acetone	63.2		5.0	1.0
71-43-2	Benzene	5.11		0.50	0.10
74-97-5	Bromochloromethane	5.42		0.50	0.080
75-27-4	Bromodichloromethane	5.26		0.50	0.080
75-25-2	Bromoform	5.38		1.0	0.30
74-83-9	Bromomethane	5.12		0.50	0.10
75-15-0	Carbon disulfide	4.78		1.0	0.10
56-23-5	Carbon tetrachloride	5.33		0.50	0.10
108-90-7	Chlorobenzene	5.18		0.50	0.070
75-00-3	Chloroethane	5.46		0.50	0.10
67-66-3	Chloroform	4.99		0.50	0.090
74-87-3	Chloromethane	5.09		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.14		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.69		0.50	0.10
124-48-1	Dibromochloromethane	5.50		0.50	0.080
100-41-4	Ethylbenzene	5.11		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.59		0.50	0.080
75-09-2	Methylene Chloride	5.09		0.50	0.20
100-42-5	Styrene	5.18		0.50	0.070
127-18-4	Tetrachloroethene	5.20		0.50	0.20
108-88-3	Toluene	5.13		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-487558/5

Matrix: Water
Lab File ID: CM27X04.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 03/27/2024 11:24

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 487558
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	5.07		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.02		0.50	0.080
79-01-6	Trichloroethene	5.10		0.50	0.080
75-01-4	Vinyl chloride	5.11		0.50	0.10
1330-20-7	Xylenes, Total	15.3		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	106		80-120
2037-26-5	Toluene-d8 (Surr)	106		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27X04.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 27-Mar-2024 11:24:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109672-005
Misc. Info.: LCSD
Operator ID: knk41612 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20240327-109672.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Mar-2024 13:18:01 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1656

First Level Reviewer: DVW2 Date: 27-Mar-2024 12:04:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.823	1.817	0.006	99	329833	5.00	5.39	
5 Chloromethane	50	1.994	2.000	-0.006	99	390283	5.00	5.09	
6 Vinyl chloride	62	2.104	2.104	0.000	98	357201	5.00	5.11	
7 Butadiene	39	2.116	2.116	0.000	94	412170	5.00	5.85	
9 Bromomethane	94	2.409	2.409	0.000	91	246861	5.00	5.12	
10 Chloroethane	64	2.470	2.470	0.000	100	211610	5.00	5.46	
11 Dichlorofluoromethane	67	2.701	2.701	0.000	97	513501	5.00	4.87	
12 Trichlorofluoromethane	101	2.762	2.756	0.006	96	419616	5.00	5.52	
13 Pentane	43	2.768	2.768	0.000	97	401875	5.00	4.99	
14 Ethyl ether	59	2.957	2.957	0.000	93	188031	4.99	4.54	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.061	3.055	0.006	93	316516	5.00	5.27	
17 Acrolein	56	3.116	3.116	0.000	98	202954	37.5	29.8	
18 1,1-Dichloroethene	96	3.232	3.238	-0.006	97	232348	5.00	5.41	
20 Acetone	43	3.262	3.262	0.000	100	502610	62.5	63.2	M
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.274	3.280	-0.006	91	212837	5.00	4.71	
22 Iodomethane	142	3.408	3.408	0.000	98	416792	5.00	4.64	
24 Isopropyl alcohol	45	3.414	3.408	0.006	31	53403	37.5	30.1	
23 Ethyl bromide	108	3.433	3.439	-0.006	98	187583	4.89	4.66	
25 Carbon disulfide	76	3.500	3.500	0.000	99	714051	5.00	4.78	
26 Methyl acetate	43	3.640	3.640	0.000	97	107032	5.00	3.97	
29 3-Chloro-1-propene	41	3.664	3.665	-0.001	92	385000	5.00	4.79	
30 Methylene Chloride	84	3.829	3.835	-0.006	95	256621	5.00	5.09	
* 31 t-Butyl alcohol-d10 (IS)	65	3.829	3.835	-0.006	87	151961	50.0	50.0	M
32 2-Methyl-2-propanol	59	3.951	3.945	0.006	99	116655	50.0	33.9	
33 Acrylonitrile	53	4.158	4.146	0.012	98	250400	25.0	20.0	
34 Methyl tert-butyl ether	73	4.201	4.201	0.000	91	641619	5.00	4.59	
35 trans-1,2-Dichloroethene	96	4.201	4.207	-0.006	99	258913	5.00	5.07	
36 Hexane	57	4.622	4.628	-0.006	95	327682	5.00	4.74	
37 1,1-Dichloroethane	63	4.865	4.866	-0.001	96	483592	5.00	5.16	
39 Isopropyl ether	45	4.932	4.933	-0.001	93	831783	5.00	4.76	
40 2-Chloro-1,3-butadiene	53	4.975	4.975	0.000	91	377460	5.00	4.89	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	5.475	5.475	0.000	97	753671	5.00	4.53	
42 2-Butanone (MEK)	43	5.676	5.676	0.000	100	868207	62.5	51.2	
43 cis-1,2-Dichloroethene	96	5.713	5.713	0.000	82	296303	5.00	5.14	
44 2,2-Dichloropropane	77	5.731	5.725	0.006	87	388897	5.00	5.00	
45 Propionitrile	54	5.774	5.774	0.000	98	122530	37.5	28.7	
47 Methacrylonitrile	67	6.005	5.999	0.006	93	533332	37.5	33.0	
48 Chlorobromomethane	128	6.054	6.048	0.006	93	140039	5.00	5.42	
49 Tetrahydrofuran	71	6.054	6.048	0.006	74	104320	25.0	21.4	
50 Chloroform	83	6.207	6.207	0.000	93	475048	5.00	4.99	
$ 54 Dibromofluoromethane (Surr)	113	6.426	6.426	0.000	94	455612	10.0	10.6	
53 1,1,1-Trichloroethane	97	6.432	6.432	0.000	98	412354	5.00	5.21	
55 Cyclohexane	56	6.524	6.524	0.000	92	405767	5.00	4.65	
56 Carbon tetrachloride	117	6.633	6.640	-0.007	96	371558	5.00	5.33	
57 1,1-Dichloropropene	75	6.646	6.646	0.000	96	360266	5.00	5.07	
58 Isobutyl alcohol	41	6.828	6.829	-0.001	93	134516	125.0	108.6	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.889	6.883	0.006	99	97120	10.0	11.2	
60 Benzene	78	6.908	6.914	-0.006	97	1115987	5.00	5.11	
61 1,2-Dichloroethane	62	6.993	6.993	0.000	97	299120	5.00	5.09	
64 Tert-amyl methyl ether	73	7.115	7.115	0.000	98	694004	5.00	4.59	
* 65 Fluorobenzene (IS)	96	7.328	7.335	-0.007	98	1923377	10.0	10.0	
66 n-Heptane	43	7.347	7.347	0.000	94	394861	5.00	5.35	
67 n-Butanol	56	7.737	7.737	0.000	91	223753	250.0	213.4	
68 Trichloroethene	95	7.816	7.816	0.000	97	287907	5.00	5.10	
69 Methylcyclohexane	83	8.121	8.121	0.000	93	431628	5.00	4.72	
70 1,2-Dichloropropane	63	8.157	8.158	-0.001	97	297984	5.00	5.25	
71 2-ethoxy-2-methyl butane	87	8.182	8.182	0.000	93	398755	5.00	4.40	
74 1,4-Dioxane	88	8.255	8.249	0.006	30	29343	125.0	137.8	M
73 Methyl methacrylate	69	8.261	8.261	0.000	93	135949	5.00	4.16	
72 Dibromomethane	93	8.267	8.267	0.000	93	143774	5.00	5.21	
76 Dichlorobromomethane	83	8.511	8.511	0.000	99	346515	5.00	5.26	
77 2-Nitropropane	41	8.798	8.804	-0.006	99	39843	5.00	4.33	
78 1-Bromo-2-chloroethane	63	8.907	8.907	0.000	99	307245	5.00	5.28	
80 cis-1,3-Dichloropropene	75	9.084	9.084	0.000	96	403720	5.00	4.69	
82 4-Methyl-2-pentanone (MIBK)	43	9.285	9.291	-0.006	97	2618161	62.5	61.9	
$ 83 Toluene-d8 (Surr)	98	9.413	9.413	0.000	93	1997040	10.0	10.6	
84 Toluene	92	9.493	9.493	0.000	98	734547	5.00	5.13	
85 trans-1,3-Dichloropropene	75	9.779	9.779	0.000	93	369748	5.00	5.02	
86 Ethyl methacrylate	69	9.852	9.852	0.000	90	284271	5.00	4.64	
87 1,1,2-Trichloroethane	97	9.986	9.993	-0.007	91	212081	5.00	5.21	
88 Tetrachloroethene	166	10.072	10.072	0.000	98	343807	5.00	5.20	
89 1,3-Dichloropropane	76	10.157	10.163	-0.006	91	362679	5.00	5.19	
106 2-Hexanone	43	10.224	10.230	-0.006	97	1842003	62.5	59.2	
108 Chlorodibromomethane	129	10.377	10.383	-0.006	90	272986	5.00	5.50	
110 Ethylene Dibromide	107	10.492	10.492	0.000	98	203953	5.00	5.16	
* 111 Chlorobenzene-d5 (IS)	117	10.944	10.944	0.000	87	1489562	10.0	10.0	
112 1-Chlorohexane	91	10.962	10.962	0.000	97	364751	5.00	4.57	
113 Chlorobenzene	112	10.968	10.974	-0.006	96	867005	5.00	5.18	
114 1,1,1,2-Tetrachloroethane	131	11.059	11.059	0.000	96	304698	5.00	5.27	
115 Ethylbenzene	91	11.065	11.066	-0.001	98	1430364	5.00	5.11	
116 m-Xylene & p-Xylene	106	11.187	11.187	0.000	97	1155049	10.0	10.3	
118 o-Xylene	106	11.523	11.523	0.000	96	560705	5.00	5.01	
119 Styrene	104	11.541	11.541	0.000	95	950838	5.00	5.18	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 Bromoform	173	11.693	11.700	-0.007	97	167050	5.00	5.38	
121 Isopropylbenzene	105	11.834	11.834	0.000	95	1429733	5.00	5.36	
$ 124 4-Bromofluorobenzene (Surr)	95	11.980	11.980	0.000	94	730145	10.0	9.66	
126 1,1,2,2-Tetrachloroethane	83	12.090	12.096	-0.006	69	262463	5.00	4.97	
125 Bromobenzene	156	12.096	12.096	0.000	89	387245	5.00	4.96	
127 trans-1,4-Dichloro-2-butene	53	12.120	12.120	0.000	91	313336	25.0	21.9	
128 1,2,3-Trichloropropane	110	12.138	12.138	0.000	83	74727	5.00	5.19	
129 N-Propylbenzene	91	12.175	12.175	0.000	99	1738677	5.00	5.04	
130 2-Chlorotoluene	126	12.248	12.248	0.000	97	364787	5.00	4.86	
131 1,3,5-Trimethylbenzene	105	12.315	12.315	0.000	95	1269048	5.00	4.93	
132 4-Chlorotoluene	126	12.346	12.346	0.000	96	383644	5.00	4.87	
133 tert-Butylbenzene	134	12.559	12.559	0.000	93	263649	5.00	4.43	
134 Pentachloroethane	167	12.596	12.590	0.006	9	1429	5.00	0.0313	
135 1,2,4-Trimethylbenzene	105	12.602	12.602	0.000	97	1292120	5.00	4.88	
136 sec-Butylbenzene	105	12.730	12.730	0.000	94	1607594	5.00	4.96	
137 1,3-Dichlorobenzene	146	12.821	12.821	0.000	98	773624	5.00	4.98	
138 4-Isopropyltoluene	119	12.839	12.840	-0.001	97	1428666	5.00	4.88	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	93	911812	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.900	12.901	-0.001	96	797648	5.00	5.06	
141 1,2,3-Trimethylbenzene	120	12.913	12.913	0.000	98	578927	5.00	4.76	
142 Benzyl chloride	126	12.980	12.980	0.000	98	112619	5.00	5.33	
145 p-Diethylbenzene	119	13.114	13.114	0.000	96	912738	5.00	5.05	
143 n-Butylbenzene	92	13.138	13.138	0.000	97	716241	5.00	5.06	
144 1,2-Dichlorobenzene	146	13.163	13.163	0.000	99	726302	5.00	5.12	
148 1,2-Dibromo-3-Chloropropane	155	13.717	13.717	0.000	88	39339	5.00	5.28	
149 1,3,5-Trichlorobenzene	180	13.839	13.839	0.000	98	568720	5.00	4.94	
150 1,2,4-Trichlorobenzene	180	14.272	14.272	0.000	94	452793	5.00	5.09	
151 Hexachlorobutadiene	225	14.357	14.358	-0.001	96	257067	5.00	5.39	
152 Naphthalene	128	14.455	14.455	0.000	97	720996	5.00	5.48	
153 1,2,3-Trichlorobenzene	180	14.601	14.601	0.000	96	352446	5.00	5.42	
154 2-Methylnaphthalene	142	15.217	15.217	0.000	92	187184	5.00	5.29	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00159	Amount Added:	12.50	Units: uL	
MSV_QC_Gas826_00190	Amount Added:	12.50	Units: uL	
LCS_ETBR_00007	Amount Added:	12.50	Units: uL	
MSV_LCS_EE_00008	Amount Added:	12.50	Units: uL	
MSV_LCS_ACROL_00160	Amount Added:	12.50	Units: uL	
MSV_LCS_Penta_00040	Amount Added:	12.50	Units: uL	
MSV_HP25_ISSS_00086	Amount Added:	1.00	Units: uL	Run Reagent

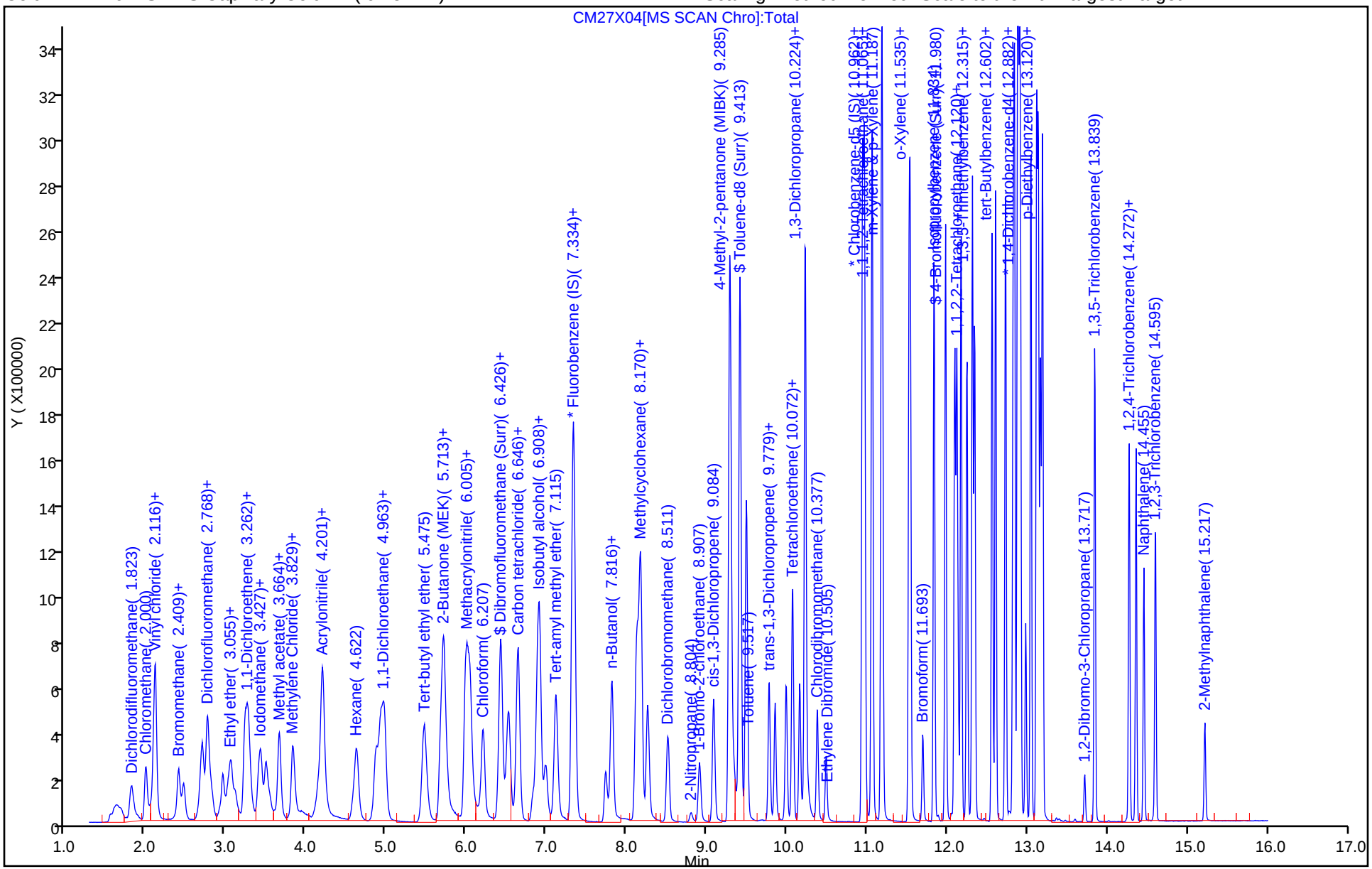
Report Date: 27-Mar-2024 13:24:40 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27X04.D

Injection Date:	27-Mar-2024 11:24:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27X04.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 27-Mar-2024 11:24:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109672-005
Misc. Info.: LCSD
Operator ID: knk41612 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20240327-109672.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Mar-2024 13:18:01 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1656

First Level Reviewer: DVW2 Date: 27-Mar-2024 12:04:35

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	10.6	106.21
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	11.2	111.86
$ 83 Toluene-d8 (Surr)	10.0	10.6	106.06
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.66	96.56

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

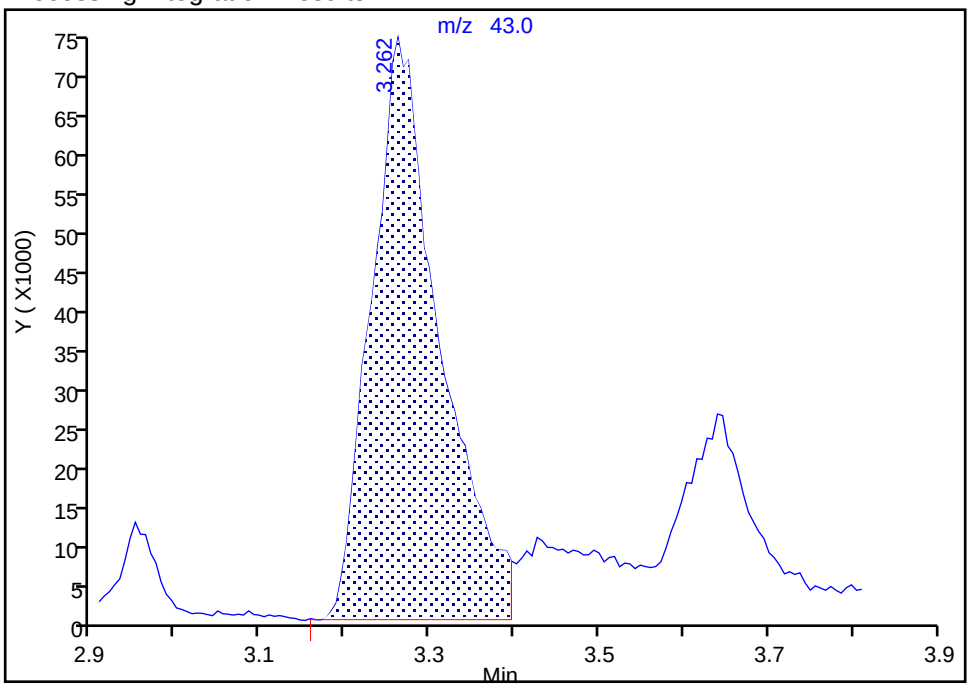
Data File: \\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27X04.D
Injection Date: 27-Mar-2024 11:24:30 Instrument ID: 10193
Lims ID: LCS
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

20 Acetone, CAS: 67-64-1

Signal: 1

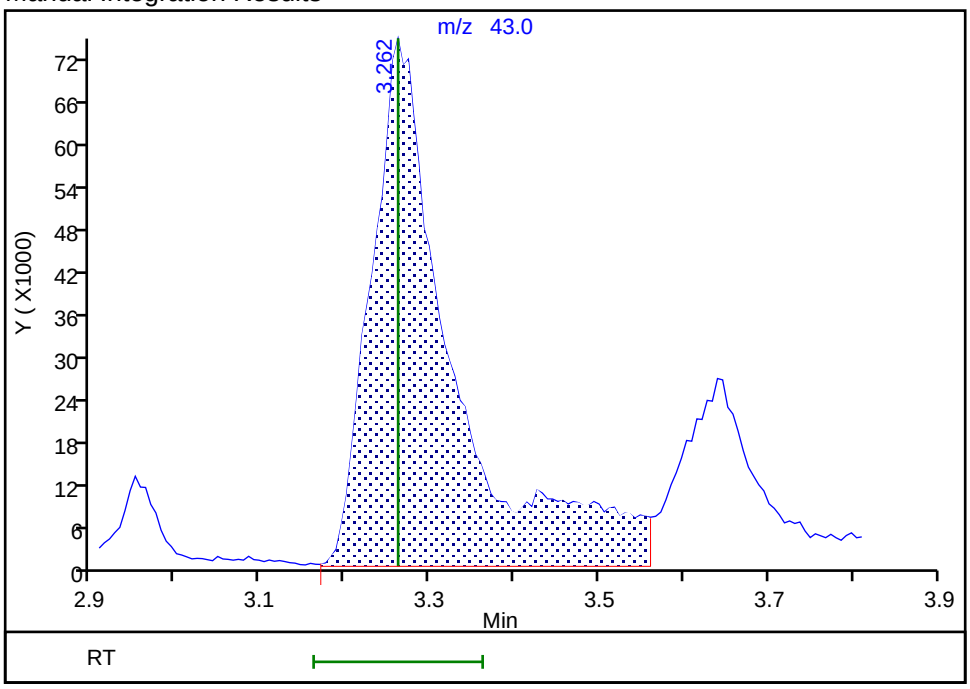
Processing Integration Results

RT: 3.26
Area: 416767
Amount: 52.392349
Amount Units: ug/l



Manual Integration Results

RT: 3.26
Area: 502610
Amount: 63.183790
Amount Units: ug/l



Reviewer: DVW2, 27-Mar-2024 12:05:42 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

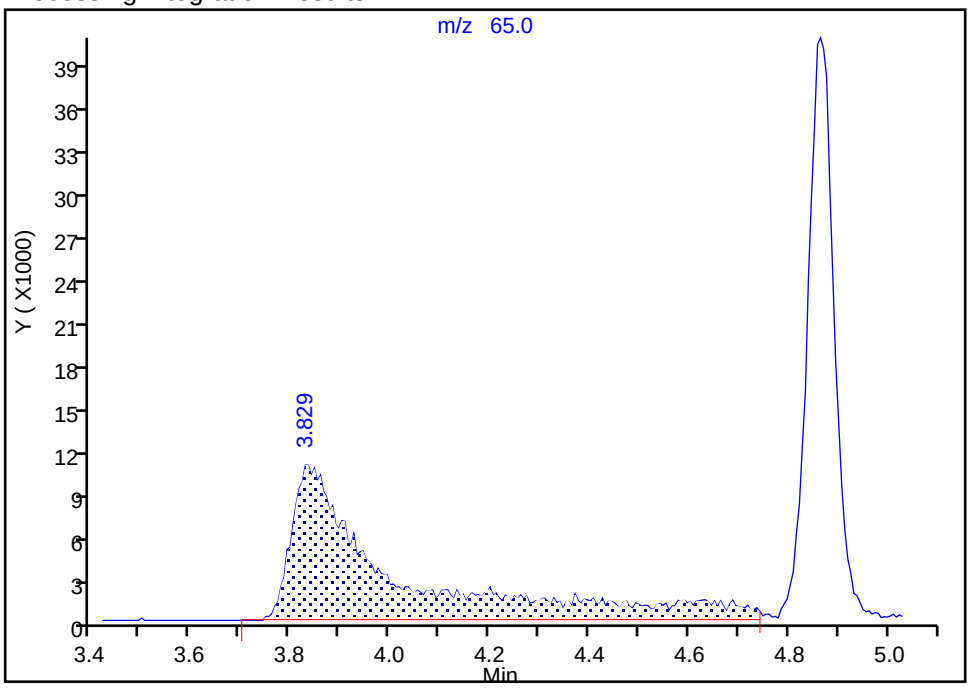
Data File: \\chromfs\Lancaster\ChromData\10193\20240327-109672.b\CM27X04.D
Injection Date: 27-Mar-2024 11:24:30 Instrument ID: 10193
Lims ID: LCS
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 31 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

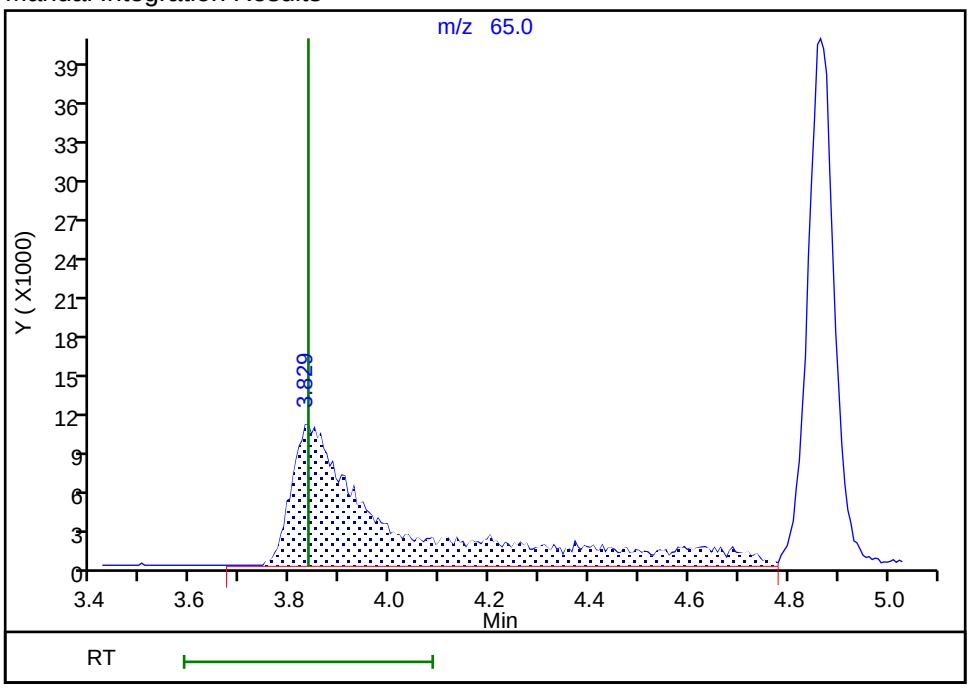
Processing Integration Results

RT: 3.83
Area: 151307
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.83
Area: 151961
Amount: 50.000000
Amount Units: ug/l



Reviewer: DVW2, 27-Mar-2024 12:04:32 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-487972/4

Matrix: Water
Lab File ID: HM28X03.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2024 08:21

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 487972
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	4.89		0.50	0.070
71-55-6	1,1,1-Trichloroethane	4.68		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	4.83		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.15		0.50	0.080
75-34-3	1,1-Dichloroethane	5.54		0.50	0.10
75-35-4	1,1-Dichloroethene	4.89		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.02		0.50	0.080
107-06-2	1,2-Dichloroethane	4.80		0.50	0.070
78-87-5	1,2-Dichloropropane	5.80		0.50	0.10
78-93-3	2-Butanone (MEK)	69.2		5.0	1.0
591-78-6	2-Hexanone	69.7		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	66.5		5.0	1.0
67-64-1	Acetone	53.1		5.0	1.0
71-43-2	Benzene	5.49		0.50	0.10
74-97-5	Bromochloromethane	5.47		0.50	0.080
75-27-4	Bromodichloromethane	5.02		0.50	0.080
75-25-2	Bromoform	4.61		1.0	0.30
74-83-9	Bromomethane	5.23		0.50	0.10
75-15-0	Carbon disulfide	4.89		1.0	0.10
56-23-5	Carbon tetrachloride	4.97		0.50	0.10
108-90-7	Chlorobenzene	5.17		0.50	0.070
75-00-3	Chloroethane	5.59		0.50	0.10
67-66-3	Chloroform	5.20		0.50	0.090
74-87-3	Chloromethane	4.70		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.09		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.11		0.50	0.10
124-48-1	Dibromochloromethane	4.89		0.50	0.080
100-41-4	Ethylbenzene	4.98		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.71		0.50	0.080
75-09-2	Methylene Chloride	5.25		0.50	0.20
100-42-5	Styrene	4.88		0.50	0.070
127-18-4	Tetrachloroethene	4.85		0.50	0.20
108-88-3	Toluene	5.05		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-487972/4

Matrix: Water
Lab File ID: HM28X03.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2024 08:21

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 487972
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	5.03		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	4.92		0.50	0.080
79-01-6	Trichloroethene	5.06		0.50	0.080
75-01-4	Vinyl chloride	4.88		0.50	0.10
1330-20-7	Xylenes, Total	15.0		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 28-Mar-2024 08:21:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109765-004
Misc. Info.: LCS
Operator ID: knk41612 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2024 09:39:14 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1664

First Level Reviewer: DVW2 Date: 28-Mar-2024 08:43:58

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.879	1.880	-0.001	99	234051	5.00	4.52	
5 Chloromethane	50	2.068	2.062	0.006	99	267210	5.00	4.70	
6 Vinyl chloride	62	2.172	2.172	0.000	98	266053	5.00	4.88	
7 Butadiene	39	2.184	2.178	0.006	91	197679	5.00	3.34	
9 Bromomethane	94	2.495	2.489	0.006	91	203092	5.00	5.23	
10 Chloroethane	64	2.568	2.562	0.006	99	176234	5.00	5.59	
11 Dichlorofluoromethane	67	2.788	2.788	0.000	97	406754	5.00	4.67	
12 Trichlorofluoromethane	101	2.861	2.861	0.000	98	311216	5.00	4.77	
14 Ethyl ether	59	3.087	3.081	0.006	92	121762	4.99	4.04	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.160	3.160	0.000	92	252413	5.00	5.39	
17 1,1-Dichloroethene	96	3.373	3.367	0.006	98	179176	5.00	4.89	
19 Acetone	43	3.391	3.398	-0.007	98	258651	62.5	53.1	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.416	3.410	0.006	92	150766	5.00	4.47	
21 Iodomethane	142	3.562	3.556	0.006	98	333965	5.00	4.61	
23 Carbon disulfide	76	3.660	3.660	0.000	99	498582	5.00	4.89	
24 Methyl acetate	43	3.800	3.794	0.006	97	76306	5.00	5.37	
26 3-Chloro-1-propene	41	3.818	3.818	0.000	93	292738	5.00	4.77	
27 Methylene Chloride	84	3.995	3.989	0.006	94	204348	5.00	5.25	a
* 28 t-Butyl alcohol-d10 (IS)	65	3.995	3.989	0.006	98	80515	50.0	50.0	
29 2-Methyl-2-propanol	59	4.099	4.099	-0.001	94	63657	50.0	44.1	M
31 Acrylonitrile	53	4.312	4.324	-0.012	98	174089	25.0	27.4	
32 Methyl tert-butyl ether	73	4.373	4.379	-0.006	96	435254	5.00	4.71	
33 trans-1,2-Dichloroethene	96	4.391	4.385	0.006	99	209426	5.00	5.03	
34 Hexane	57	4.824	4.818	0.006	91	247006	5.00	5.47	
36 1,1-Dichloroethane	63	5.050	5.044	0.006	96	410506	5.00	5.54	
37 Isopropyl ether	45	5.117	5.111	0.006	94	624935	5.00	5.12	
38 2-Chloro-1,3-butadiene	53	5.165	5.159	0.006	90	306620	5.00	4.57	
40 Tert-butyl ethyl ether	59	5.653	5.647	0.006	98	569089	5.00	4.74	
41 2-Butanone (MEK)	43	5.854	5.848	0.006	99	551605	62.5	69.2	
42 cis-1,2-Dichloroethene	96	5.885	5.885	0.000	82	237901	5.00	5.09	
43 2,2-Dichloropropane	77	5.903	5.897	0.006	86	343370	5.00	5.00	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 Propionitrile	54	5.940	5.928	0.012	97	74731	37.5	33.7	
47 Methacrylonitrile	67	6.153	6.153	0.000	91	376123	37.5	42.5	
48 Chlorobromomethane	128	6.226	6.220	0.006	94	102027	5.00	5.47	
49 Tetrahydrofuran	71	6.232	6.238	-0.006	79	64213	25.0	25.1	
50 Chloroform	83	6.372	6.379	-0.007	93	397227	5.00	5.20	
$ 52 Dibromofluoromethane (Surr)	113	6.592	6.592	0.000	94	447606	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.604	6.604	0.000	98	335116	5.00	4.68	
54 Cyclohexane	56	6.714	6.714	0.000	90	304826	5.00	4.69	
56 Carbon tetrachloride	117	6.824	6.818	0.006	88	298059	5.00	4.97	
55 1,1-Dichloropropene	75	6.830	6.824	0.006	96	300680	5.00	5.22	
57 Isobutyl alcohol	41	6.970	6.970	0.000	95	57161	125.0	125.2	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.049	7.049	0.000	85	89306	10.0	10.7	
59 Benzene	78	7.086	7.080	0.006	97	917477	5.00	5.49	
60 1,2-Dichloroethane	62	7.153	7.159	-0.006	97	233835	5.00	4.80	
63 Tert-amyl methyl ether	73	7.287	7.287	0.000	99	495424	5.00	4.86	
* 64 Fluorobenzene (IS)	96	7.494	7.494	0.000	98	1753084	10.0	10.0	
65 n-Heptane	43	7.512	7.513	-0.001	94	260812	5.00	5.85	
67 n-Butanol	56	7.884	7.872	0.012	87	113436	250.0	312.2	
68 Trichloroethene	95	7.982	7.982	0.000	98	238561	5.00	5.06	
69 Methylcyclohexane	83	8.293	8.293	0.000	92	325446	5.00	5.09	
70 1,2-Dichloropropane	63	8.311	8.311	0.000	97	238599	5.00	5.80	
71 2-ethoxy-2-methyl butane	87	8.329	8.329	0.000	93	313271	5.00	4.77	
72 Methyl methacrylate	69	8.409	8.403	0.006	91	86570	5.00	4.76	
73 1,4-Dioxane	88	8.415	8.415	0.000	30	14550	125.0	251.6	
74 Dibromomethane	93	8.421	8.421	0.000	97	104381	5.00	5.24	
76 Dichlorobromomethane	83	8.665	8.665	0.000	99	275461	5.00	5.02	
77 2-Nitropropane	41	8.927	8.927	0.000	95	28077	5.00	4.55	
79 1-Bromo-2-chloroethane	63	9.061	9.061	0.000	99	228072	5.00	5.64	
80 cis-1,3-Dichloropropene	75	9.226	9.226	0.000	97	326191	5.00	5.11	
82 4-Methyl-2-pentanone (MIBK)	43	9.408	9.402	0.006	96	1492940	62.5	66.5	
$ 83 Toluene-d8 (Surr)	98	9.543	9.543	0.000	93	1859122	10.0	9.79	
84 Toluene	92	9.628	9.622	0.006	98	598751	5.00	5.05	
85 trans-1,3-Dichloropropene	75	9.896	9.890	0.006	92	280273	5.00	4.92	
104 Ethyl methacrylate	69	9.963	9.963	0.000	89	189743	5.00	4.49	
106 1,1,2-Trichloroethane	97	10.103	10.104	-0.001	91	153632	5.00	5.15	
107 Tetrachloroethene	166	10.195	10.189	0.006	98	274745	5.00	4.85	
108 1,3-Dichloropropane	76	10.268	10.268	0.000	89	273085	5.00	5.34	
109 2-Hexanone	43	10.323	10.323	0.000	96	1041011	62.5	69.7	
111 Chlorodibromomethane	129	10.488	10.488	0.000	90	194890	5.00	4.89	
112 Ethylene Dibromide	107	10.603	10.597	0.006	98	144521	5.00	5.02	
* 113 Chlorobenzene-d5 (IS)	117	11.042	11.042	0.000	85	1436066	10.0	10.0	
114 1-Chlorohexane	91	11.054	11.048	0.006	98	308824	5.00	4.56	
115 Chlorobenzene	112	11.067	11.067	0.000	96	668462	5.00	5.17	
116 1,1,1,2-Tetrachloroethane	131	11.152	11.152	0.000	97	230406	5.00	4.89	
117 Ethylbenzene	91	11.158	11.158	0.000	98	1150407	5.00	4.98	
119 m-Xylene & p-Xylene	106	11.274	11.274	0.000	99	906691	10.0	10.2	
120 o-Xylene	106	11.609	11.603	0.006	96	419110	5.00	4.79	
121 Styrene	104	11.621	11.622	-0.001	94	690202	5.00	4.88	
122 Bromoform	173	11.780	11.780	0.000	97	115722	5.00	4.61	
123 Isopropylbenzene	105	11.914	11.908	0.006	96	1106529	5.00	5.15	
$ 126 4-Bromofluorobenzene (Surr)	95	12.054	12.054	0.000	92	689975	10.0	9.71	
127 1,1,2,2-Tetrachloroethane	83	12.158	12.158	0.000	94	178624	5.00	4.83	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
128 Bromobenzene	156	12.170	12.170	0.000	97	266949	5.00	4.84	
129 trans-1,4-Dichloro-2-butene	53	12.182	12.182	0.000	89	229779	25.0	25.1	
130 1,2,3-Trichloropropane	110	12.207	12.207	0.000	83	47896	5.00	4.85	
131 N-Propylbenzene	91	12.243	12.243	0.000	99	1341946	5.00	5.13	
132 2-Chlorotoluene	126	12.316	12.317	0.000	97	267104	5.00	4.88	
133 1,3,5-Trimethylbenzene	105	12.383	12.384	-0.001	94	936617	5.00	4.95	
134 4-Chlorotoluene	126	12.414	12.414	0.000	97	271569	5.00	4.86	
135 tert-Butylbenzene	134	12.621	12.621	0.000	93	196676	5.00	4.55	
137 1,2,4-Trimethylbenzene	105	12.664	12.664	0.000	98	928229	5.00	4.85	
138 sec-Butylbenzene	105	12.786	12.786	0.000	94	1155584	5.00	5.01	
139 1,3-Dichlorobenzene	146	12.889	12.890	-0.001	98	530028	5.00	5.02	
140 4-Isopropyltoluene	119	12.896	12.896	0.000	97	983159	5.00	4.84	a
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	808317	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.963	12.963	0.000	95	544277	5.00	5.11	
143 1,2,3-Trimethylbenzene	120	12.975	12.969	0.006	98	397183	5.00	4.65	
144 Benzyl chloride	126	13.036	13.036	0.000	98	77056	5.00	4.99	
145 p-Diethylbenzene	119	13.097	13.097	0.000	91	566190	5.00	4.80	
146 n-Butylbenzene	92	13.188	13.188	0.000	98	463674	5.00	5.03	
147 1,2-Dichlorobenzene	146	13.219	13.219	0.000	99	465503	5.00	4.91	
149 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	85	21412	5.00	4.38	
150 1,3,5-Trichlorobenzene	180	13.895	13.895	0.000	98	341016	5.00	4.79	
151 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	267653	5.00	4.86	
152 Hexachlorobutadiene	225	14.401	14.401	0.000	95	103084	5.00	4.83	a
153 Naphthalene	128	14.499	14.499	0.000	97	438129	5.00	5.01	
154 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	96	208962	5.00	5.33	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LCS_VOC#1_00159	Amount Added:	12.50	Units: uL	
MSV_QC_Gas826_00190	Amount Added:	12.50	Units: uL	
MSV_LCS_EE_00008	Amount Added:	12.50	Units: uL	
MSV_LLcentISS_00012	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 28-Mar-2024 09:39:20 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X03.D

Injection Date: 28-Mar-2024 08:21:30 Instrument ID: 19094 Operator ID: knk41612

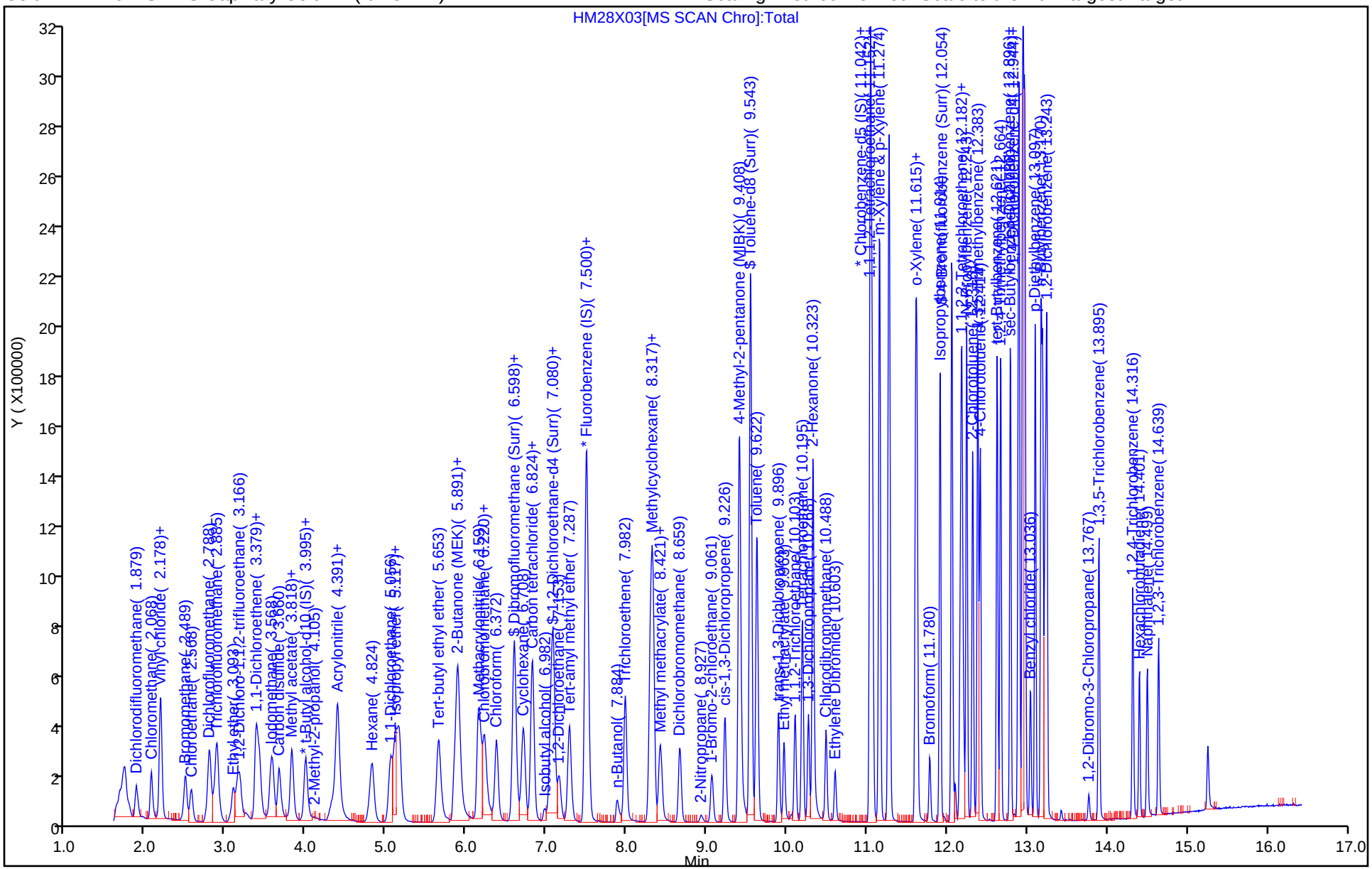
Lims ID: LCS Worklist Smp#: 4

Client ID:

Purge Vol: 25.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: MSV_19094_25mL Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 28-Mar-2024 08:21:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109765-004
Misc. Info.: LCS
Operator ID: knk41612 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2024 09:39:14 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1664

First Level Reviewer: DVW2 Date: 28-Mar-2024 08:43:58

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	10.1	100.77
$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.7	106.65
$ 83 Toluene-d8 (Surr)	10.0	9.79	97.95
$ 126 4-Bromofluorobenzene (Surr)	10.0	9.71	97.08

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

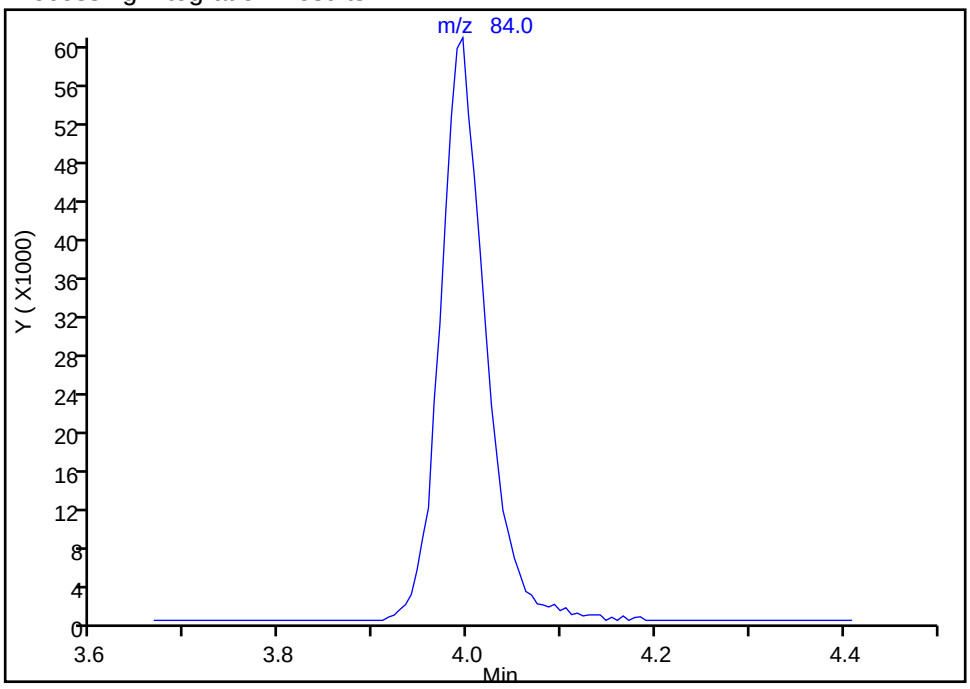
Data File:	\\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X03.D				
Injection Date:	28-Mar-2024 08:21:30	Instrument ID:	19094		
Lims ID:	LCS				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

27 Methylene Chloride, CAS: 75-09-2

Signal: 1

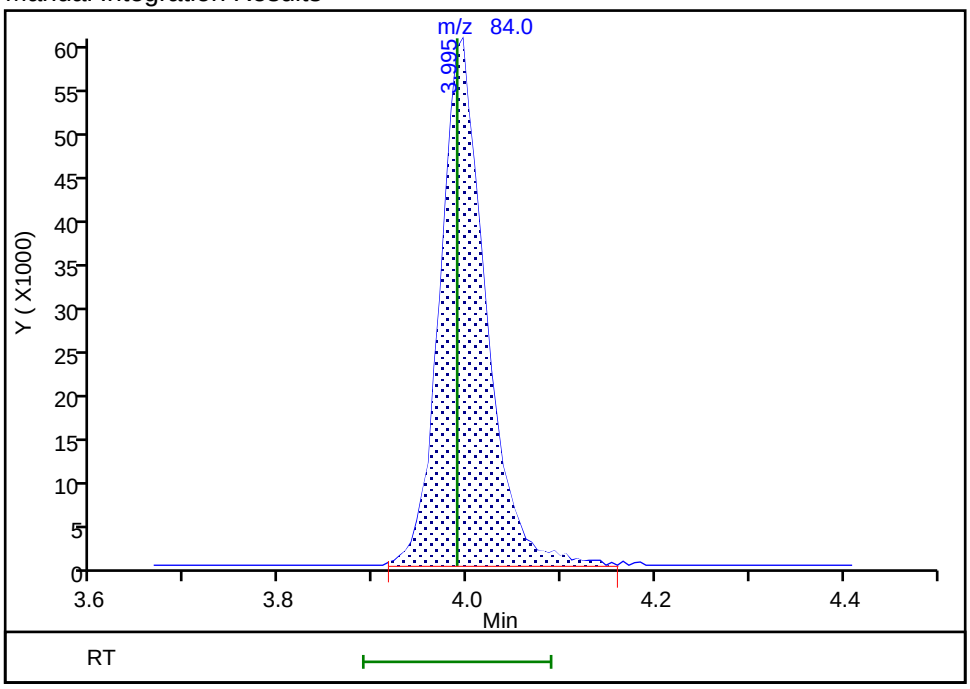
Not Detected
Expected RT: 3.99

Processing Integration Results



Manual Integration Results

RT: 3.99
Area: 204348
Amount: 5.254320
Amount Units: ug/l



Reviewer: DVW2, 28-Mar-2024 08:43:52 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-487972/5

Matrix: Water
Lab File ID: HM28X04.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2024 08:41

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 487972
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	4.91		0.50	0.070
71-55-6	1,1,1-Trichloroethane	4.74		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	4.94		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.40		0.50	0.080
75-34-3	1,1-Dichloroethane	5.44		0.50	0.10
75-35-4	1,1-Dichloroethene	4.86		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.06		0.50	0.080
107-06-2	1,2-Dichloroethane	4.84		0.50	0.070
78-87-5	1,2-Dichloropropane	5.86		0.50	0.10
78-93-3	2-Butanone (MEK)	72.8		5.0	1.0
591-78-6	2-Hexanone	68.9		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	66.6		5.0	1.0
67-64-1	Acetone	53.3		5.0	1.0
71-43-2	Benzene	5.48		0.50	0.10
74-97-5	Bromochloromethane	5.43		0.50	0.080
75-27-4	Bromodichloromethane	5.08		0.50	0.080
75-25-2	Bromoform	4.66		1.0	0.30
74-83-9	Bromomethane	5.18		0.50	0.10
75-15-0	Carbon disulfide	4.91		1.0	0.10
56-23-5	Carbon tetrachloride	5.05		0.50	0.10
108-90-7	Chlorobenzene	5.21		0.50	0.070
75-00-3	Chloroethane	5.63		0.50	0.10
67-66-3	Chloroform	5.20		0.50	0.090
74-87-3	Chloromethane	4.83		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.08		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.22		0.50	0.10
124-48-1	Dibromochloromethane	4.92		0.50	0.080
100-41-4	Ethylbenzene	5.02		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.78		0.50	0.080
75-09-2	Methylene Chloride	5.18		0.50	0.20
100-42-5	Styrene	4.97		0.50	0.070
127-18-4	Tetrachloroethene	4.93		0.50	0.20
108-88-3	Toluene	5.12		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-487972/5

Matrix: Water
Lab File ID: HM28X04.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 03/28/2024 08:41

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 487972
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	5.05		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	4.97		0.50	0.080
79-01-6	Trichloroethene	5.08		0.50	0.080
75-01-4	Vinyl chloride	4.71		0.50	0.10
1330-20-7	Xylenes, Total	15.2		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X04.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 28-Mar-2024 08:41:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109765-005
Misc. Info.: LCSD
Operator ID: knk41612 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2024 09:39:14 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1664

First Level Reviewer: DVW2 Date: 28-Mar-2024 09:05:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.879	1.880	-0.001	99	223640	5.00	4.36	
5 Chloromethane	50	2.062	2.062	0.000	99	272323	5.00	4.83	
6 Vinyl chloride	62	2.172	2.172	0.000	98	254475	5.00	4.71	
7 Butadiene	39	2.184	2.178	0.006	92	208097	5.00	3.55	
9 Bromomethane	94	2.489	2.489	0.000	90	199344	5.00	5.18	
10 Chloroethane	64	2.562	2.562	0.000	99	175795	5.00	5.63	
11 Dichlorofluoromethane	67	2.788	2.788	0.000	97	403382	5.00	4.67	
12 Trichlorofluoromethane	101	2.855	2.861	-0.006	98	308526	5.00	4.77	
14 Ethyl ether	59	3.087	3.081	0.007	91	121938	4.99	4.08	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.160	3.160	0.000	93	249082	5.00	5.36	
17 1,1-Dichloroethene	96	3.373	3.367	0.006	98	176587	5.00	4.86	
19 Acetone	43	3.397	3.398	-0.001	90	260494	62.5	53.3	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.410	3.410	0.000	92	151643	5.00	4.54	
21 Iodomethane	142	3.556	3.556	0.000	99	328680	5.00	4.58	
23 Carbon disulfide	76	3.660	3.660	0.000	98	496108	5.00	4.91	
24 Methyl acetate	43	3.800	3.794	0.006	96	86183	5.00	6.05	
26 3-Chloro-1-propene	41	3.818	3.818	0.000	93	293311	5.00	4.83	
27 Methylene Chloride	84	3.995	3.989	0.006	93	199716	5.00	5.18	a
* 28 t-Butyl alcohol-d10 (IS)	65	3.995	3.989	0.006	97	80813	50.0	50.0	
29 2-Methyl-2-propanol	59	4.092	4.099	-0.007	84	46822	50.0	32.3	
31 Acrylonitrile	53	4.312	4.324	-0.012	100	166369	25.0	26.1	
32 Methyl tert-butyl ether	73	4.379	4.379	0.000	96	438013	5.00	4.78	
33 trans-1,2-Dichloroethene	96	4.391	4.385	0.006	99	208387	5.00	5.05	
34 Hexane	57	4.812	4.818	-0.006	92	243701	5.00	5.44	
36 1,1-Dichloroethane	63	5.050	5.044	0.006	96	399765	5.00	5.44	
37 Isopropyl ether	45	5.111	5.111	0.000	96	612189	5.00	5.06	
38 2-Chloro-1,3-butadiene	53	5.159	5.159	0.000	90	308185	5.00	4.64	
40 Tert-butyl ethyl ether	59	5.653	5.647	0.006	98	571121	5.00	4.80	
41 2-Butanone (MEK)	43	5.848	5.848	0.000	100	582260	62.5	72.8	
42 cis-1,2-Dichloroethene	96	5.891	5.885	0.006	83	235319	5.00	5.08	
43 2,2-Dichloropropane	77	5.903	5.897	0.006	85	338105	5.00	4.96	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 Propionitrile	54	5.952	5.928	0.024	98	69788	37.5	31.3	
47 Methacrylonitrile	67	6.147	6.153	-0.006	91	384722	37.5	43.3	
48 Chlorobromomethane	128	6.226	6.220	0.006	93	100341	5.00	5.43	
49 Tetrahydrofuran	71	6.244	6.238	0.006	79	63898	25.0	24.9	
50 Chloroform	83	6.379	6.379	0.000	93	393407	5.00	5.20	
$ 52 Dibromofluoromethane (Surr)	113	6.592	6.592	0.000	94	440305	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.604	6.604	0.000	98	336569	5.00	4.74	
54 Cyclohexane	56	6.708	6.714	-0.006	89	304633	5.00	4.73	
56 Carbon tetrachloride	117	6.818	6.818	0.000	94	299921	5.00	5.05	
55 1,1-Dichloropropene	75	6.824	6.824	0.000	97	302431	5.00	5.29	
57 Isobutyl alcohol	41	6.976	6.970	0.006	95	58636	125.0	128.0	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.049	7.049	0.000	96	86535	10.0	10.4	
59 Benzene	78	7.086	7.080	0.006	97	908726	5.00	5.48	
60 1,2-Dichloroethane	62	7.153	7.159	-0.006	97	233458	5.00	4.84	
63 Tert-amyl methyl ether	73	7.287	7.287	0.000	98	488332	5.00	4.84	
* 64 Fluorobenzene (IS)	96	7.494	7.494	0.000	98	1737229	10.0	10.0	
65 n-Heptane	43	7.512	7.513	-0.001	92	255531	5.00	5.78	
67 n-Butanol	56	7.884	7.872	0.012	89	101515	250.0	278.3	
68 Trichloroethene	95	7.982	7.982	0.000	99	237782	5.00	5.08	
69 Methylcyclohexane	83	8.293	8.293	0.000	92	322624	5.00	5.09	
70 1,2-Dichloropropane	63	8.311	8.311	0.000	97	238907	5.00	5.86	
71 2-ethoxy-2-methyl butane	87	8.329	8.329	0.000	93	310267	5.00	4.76	
72 Methyl methacrylate	69	8.403	8.403	0.000	89	88611	5.00	4.85	
73 1,4-Dioxane	88	8.409	8.415	-0.006	29	11195	125.0	197.8	M
74 Dibromomethane	93	8.427	8.421	0.006	96	105985	5.00	5.37	
76 Dichlorobromomethane	83	8.659	8.665	-0.006	99	276419	5.00	5.08	
77 2-Nitropropane	41	8.933	8.927	0.006	96	26251	5.00	4.24	
79 1-Bromo-2-chloroethane	63	9.061	9.061	0.000	99	231219	5.00	5.77	
80 cis-1,3-Dichloropropene	75	9.226	9.226	0.000	97	330473	5.00	5.22	
82 4-Methyl-2-pentanone (MIBK)	43	9.402	9.402	0.000	97	1499567	62.5	66.6	
$ 83 Toluene-d8 (Surr)	98	9.543	9.543	0.000	93	1837618	10.0	9.84	
84 Toluene	92	9.622	9.622	0.000	98	598047	5.00	5.12	
85 trans-1,3-Dichloropropene	75	9.896	9.890	0.006	92	278924	5.00	4.97	
104 Ethyl methacrylate	69	9.963	9.963	0.000	88	191498	5.00	4.60	
106 1,1,2-Trichloroethane	97	10.103	10.104	-0.001	90	158743	5.00	5.40	
107 Tetrachloroethene	166	10.195	10.189	0.006	98	274787	5.00	4.93	
108 1,3-Dichloropropane	76	10.268	10.268	0.000	90	269131	5.00	5.35	
109 2-Hexanone	43	10.323	10.323	0.000	96	1033077	62.5	68.9	
111 Chlorodibromomethane	129	10.488	10.488	0.000	90	192739	5.00	4.92	
112 Ethylene Dibromide	107	10.603	10.597	0.006	99	143423	5.00	5.06	
* 113 Chlorobenzene-d5 (IS)	117	11.042	11.042	0.000	86	1413184	10.0	10.0	
114 1-Chlorohexane	91	11.054	11.048	0.006	96	312622	5.00	4.69	
115 Chlorobenzene	112	11.067	11.067	0.000	95	662996	5.00	5.21	
116 1,1,1,2-Tetrachloroethane	131	11.152	11.152	0.000	95	227589	5.00	4.91	
117 Ethylbenzene	91	11.158	11.158	0.000	98	1141936	5.00	5.02	
119 m-Xylene & p-Xylene	106	11.274	11.274	0.000	99	905169	10.0	10.3	
120 o-Xylene	106	11.603	11.603	0.000	96	424173	5.00	4.93	
121 Styrene	104	11.621	11.622	-0.001	94	691487	5.00	4.97	
122 Bromoform	173	11.780	11.780	0.000	97	115050	5.00	4.66	
123 Isopropylbenzene	105	11.908	11.908	0.000	96	1119200	5.00	5.30	
$ 126 4-Bromofluorobenzene (Surr)	95	12.054	12.054	0.000	93	689658	10.0	9.86	
127 1,1,2,2-Tetrachloroethane	83	12.158	12.158	0.000	93	181081	5.00	4.94	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
128 Bromobenzene	156	12.170	12.170	0.000	96	267286	5.00	4.89	
129 trans-1,4-Dichloro-2-butene	53	12.182	12.182	0.000	91	231122	25.0	25.1	
130 1,2,3-Trichloropropane	110	12.207	12.207	0.000	83	47072	5.00	4.80	
131 N-Propylbenzene	91	12.243	12.243	0.000	99	1326355	5.00	5.12	
132 2-Chlorotoluene	126	12.316	12.317	0.000	97	269105	5.00	4.96	
133 1,3,5-Trimethylbenzene	105	12.383	12.384	-0.001	94	933330	5.00	4.97	
134 4-Chlorotoluene	126	12.414	12.414	0.000	97	273381	5.00	4.93	
135 tert-Butylbenzene	134	12.621	12.621	0.000	93	195683	5.00	4.56	
137 1,2,4-Trimethylbenzene	105	12.664	12.664	0.000	98	931103	5.00	4.90	
138 sec-Butylbenzene	105	12.786	12.786	0.000	94	1155056	5.00	5.05	
139 1,3-Dichlorobenzene	146	12.889	12.890	-0.001	98	529197	5.00	5.05	
140 4-Isopropyltoluene	119	12.896	12.896	0.000	97	983405	5.00	4.88	
* 141 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	801840	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.963	12.963	0.000	96	531120	5.00	5.02	
143 1,2,3-Trimethylbenzene	120	12.969	12.969	0.000	98	400160	5.00	4.72	
144 Benzyl chloride	126	13.042	13.036	0.006	99	72287	5.00	4.72	
145 p-Diethylbenzene	119	13.097	13.097	0.000	92	567951	5.00	4.86	
146 n-Butylbenzene	92	13.188	13.188	0.000	97	468311	5.00	5.12	
147 1,2-Dichlorobenzene	146	13.225	13.219	0.006	98	469116	5.00	4.98	
149 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	85	23301	5.00	4.81	
150 1,3,5-Trichlorobenzene	180	13.895	13.895	0.000	97	341771	5.00	4.84	
151 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	266344	5.00	4.87	
152 Hexachlorobutadiene	225	14.401	14.401	0.000	95	102847	5.00	4.85	
153 Naphthalene	128	14.499	14.499	0.000	97	434277	5.00	5.00	
154 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	96	203493	5.00	5.23	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LCS_VOC#1_00159	Amount Added:	12.50	Units: uL	
MSV_QC_Gas826_00190	Amount Added:	12.50	Units: uL	
MSV_LCS_EE_00008	Amount Added:	12.50	Units: uL	
MSV_LLcentISS_00012	Amount Added:	5.00	Units: uL	Run Reagent

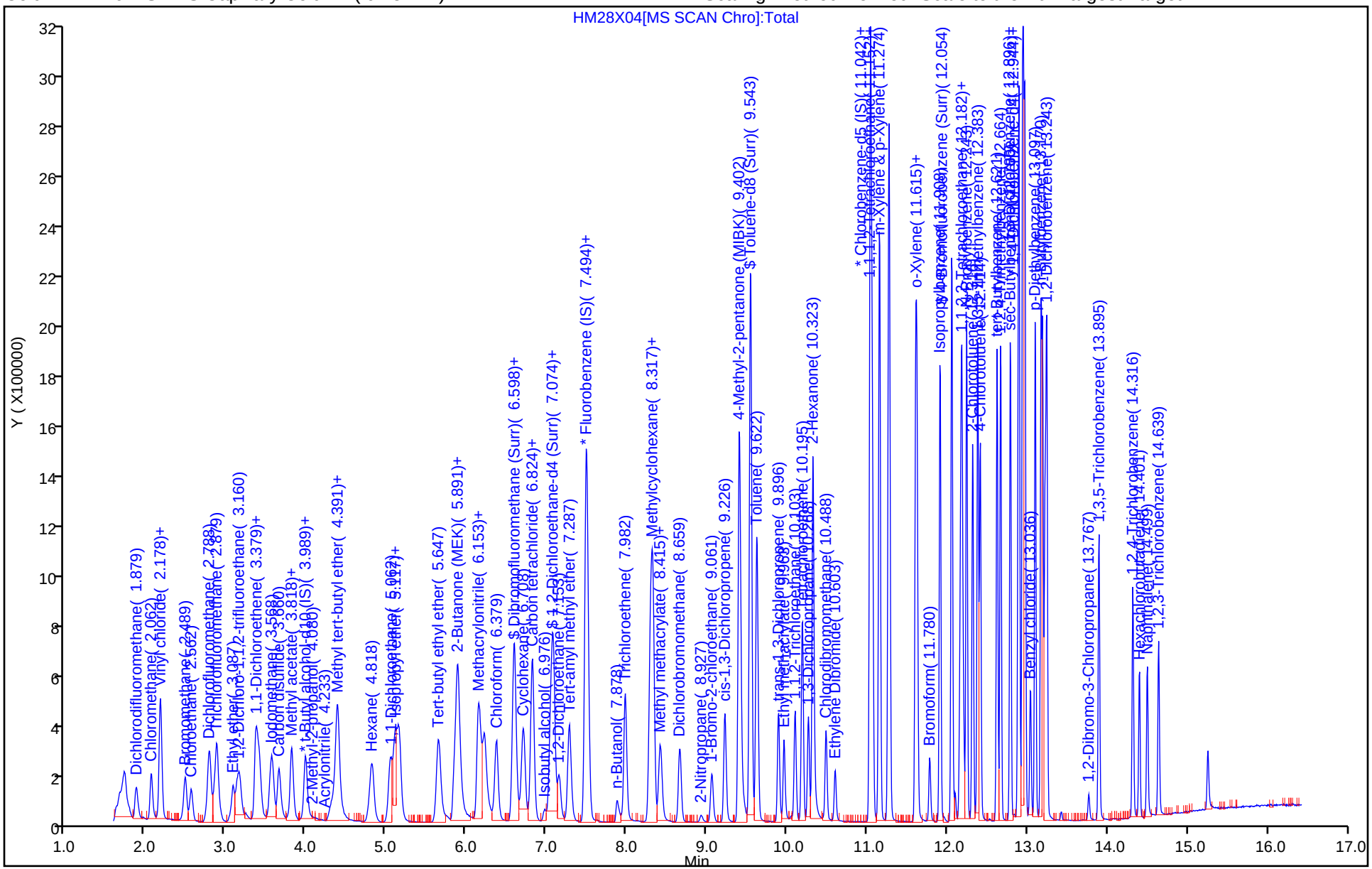
Report Date: 28-Mar-2024 09:39:40 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X04.D

Injection Date:	28-Mar-2024 08:41:30	Instrument ID:	19094	Operator ID:	knk41612
Lims ID:	LCSD			Worklist Smp#:	5
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X04.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 28-Mar-2024 08:41:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109765-005
Misc. Info.: LCSD
Operator ID: knk41612 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 28-Mar-2024 09:39:14 Calib Date: 17-Oct-2023 09:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20231016-96799.b\HO16X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1664

First Level Reviewer: DVW2 Date: 28-Mar-2024 09:05:37

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	10.0	100.03
$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.4	104.29
$ 83 Toluene-d8 (Surr)	10.0	9.84	98.38
$ 126 4-Bromofluorobenzene (Surr)	10.0	9.86	98.61

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

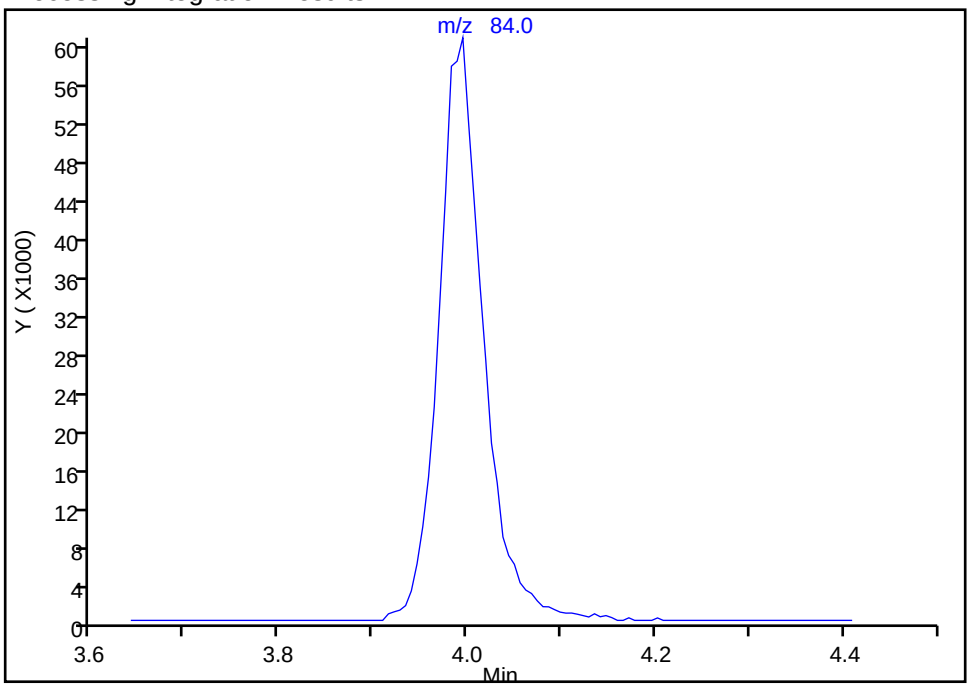
Data File: \\chromfs\Lancaster\ChromData\19094\20240328-109765.b\HM28X04.D
Injection Date: 28-Mar-2024 08:41:30 Instrument ID: 19094
Lims ID: LCSD
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

27 Methylene Chloride, CAS: 75-09-2

Signal: 1

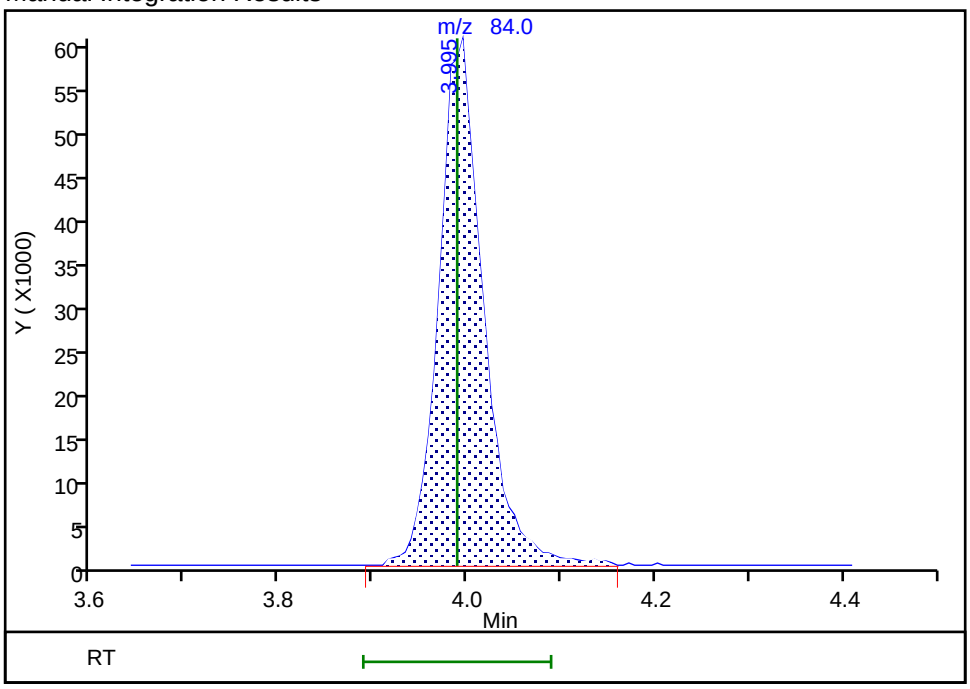
Not Detected
Expected RT: 3.99

Processing Integration Results



Manual Integration Results

RT: 3.99
Area: 199716
Amount: 5.182086
Amount Units: ug/l



Reviewer: DVW2, 28-Mar-2024 09:05:06 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0MS MS
Lab Sample ID: 410-164764-6 MS

Matrix: Water
Lab File ID: CM25X14.D

Analysis Method: 8260D
Date Collected: 03/20/2024 10:32

Sample wt/vol: 25(mL)
Date Analyzed: 03/26/2024 00:10

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 486836
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.86		0.50	0.070
71-55-6	1,1,1-Trichloroethane	6.47		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.53		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.58		0.50	0.080
75-34-3	1,1-Dichloroethane	6.06		0.50	0.10
75-35-4	1,1-Dichloroethene	6.49		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.47		0.50	0.080
107-06-2	1,2-Dichloroethane	5.82		0.50	0.070
78-87-5	1,2-Dichloropropane	5.87		0.50	0.10
78-93-3	2-Butanone (MEK)	62.0		5.0	1.0
591-78-6	2-Hexanone	63.0		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	66.1		5.0	1.0
67-64-1	Acetone	69.1		5.0	1.0
71-43-2	Benzene	5.78		0.50	0.10
74-97-5	Bromochloromethane	6.06		0.50	0.080
75-27-4	Bromodichloromethane	5.84		0.50	0.080
75-25-2	Bromoform	5.66		1.0	0.30
74-83-9	Bromomethane	5.68		0.50	0.10
75-15-0	Carbon disulfide	5.98		1.0	0.10
56-23-5	Carbon tetrachloride	6.34		0.50	0.10
108-90-7	Chlorobenzene	5.76		0.50	0.070
75-00-3	Chloroethane	6.28		0.50	0.10
67-66-3	Chloroform	5.79		0.50	0.090
74-87-3	Chloromethane	5.93		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	7.18		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.05		0.50	0.10
124-48-1	Dibromochloromethane	5.89		0.50	0.080
100-41-4	Ethylbenzene	5.76		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.84		0.50	0.080
75-09-2	Methylene Chloride	5.73		0.50	0.20
100-42-5	Styrene	5.72		0.50	0.070
127-18-4	Tetrachloroethene	13.2		0.50	0.20
108-88-3	Toluene	5.76		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0MS MS
Lab Sample ID: 410-164764-6 MS

Matrix: Water
Lab File ID: CM25X14.D

Analysis Method: 8260D
Date Collected: 03/20/2024 10:32

Sample wt/vol: 25(mL)
Date Analyzed: 03/26/2024 00:10

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 486836
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	5.89		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.27		0.50	0.080
79-01-6	Trichloroethene	7.27		0.50	0.080
75-01-4	Vinyl chloride	6.03		0.50	0.10
1330-20-7	Xylenes, Total	17.1		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	108		80-120
2037-26-5	Toluene-d8 (Surr)	106		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X14.D
Lims ID: 410-164764-A-6 MS
Client ID: HD-COD-SW-15-0/1-0MS
Sample Type: MS
Inject. Date: 26-Mar-2024 00:10:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109513-015
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Mar-2024 12:45:41 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: FQ4L Date: 26-Mar-2024 12:45:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.829	1.823	0.006	99	424226	5.00	6.91	
5 Chloromethane	50	2.006	2.000	0.006	99	455796	5.00	5.93	
6 Vinyl chloride	62	2.110	2.104	0.006	98	422578	5.00	6.03	
7 Butadiene	39	2.122	2.116	0.006	95	459992	5.00	6.51	
9 Bromomethane	94	2.415	2.402	0.013	91	274455	5.00	5.68	
10 Chloroethane	64	2.482	2.470	0.012	100	243859	5.00	6.28	
11 Dichlorofluoromethane	67	2.713	2.701	0.012	98	591189	5.00	5.59	
12 Trichlorofluoromethane	101	2.774	2.762	0.012	96	537169	5.00	7.05	
13 Pentane	43	2.774	2.768	0.006	96	530579	5.00	6.57	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.055	3.055	0.000	93	383941	5.00	6.37	
18 1,1-Dichloroethene	96	3.244	3.232	0.012	97	279398	5.00	6.49	
20 Acetone	43	3.274	3.262	0.012	99	534504	62.6	69.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.286	3.280	0.006	92	260849	5.00	5.76	
22 Iodomethane	142	3.415	3.408	0.007	99	490873	5.00	5.44	
24 Isopropyl alcohol	45	3.421	3.421	0.000	31	57815	37.5	33.5	
25 Carbon disulfide	76	3.506	3.494	0.012	99	896979	5.00	5.98	
26 Methyl acetate	43	3.640	3.640	0.000	96	90332	5.00	3.45	M
29 3-Chloro-1-propene	41	3.671	3.658	0.013	92	435049	5.00	5.39	
* 31 t-Butyl alcohol-d10 (IS)	65	3.847	3.829	0.018	38	147862	50.0	50.0	
30 Methylene Chloride	84	3.841	3.835	0.006	93	289994	5.00	5.73	
32 2-Methyl-2-propanol	59	3.963	3.957	0.006	98	124589	50.0	37.2	
33 Acrylonitrile	53	4.152	4.146	0.006	98	307795	25.0	25.3	
34 Methyl tert-butyl ether	73	4.201	4.195	0.006	96	679777	5.00	4.84	
35 trans-1,2-Dichloroethene	96	4.213	4.201	0.012	98	302162	5.00	5.89	
36 Hexane	57	4.634	4.628	0.006	94	408772	5.00	5.89	
37 1,1-Dichloroethane	63	4.872	4.865	0.007	96	570055	5.00	6.06	
39 Isopropyl ether	45	4.933	4.926	0.007	94	918368	5.00	5.24	
40 2-Chloro-1,3-butadiene	53	4.981	4.975	0.006	91	446743	5.00	5.77	
41 Tert-butyl ethyl ether	59	5.475	5.469	0.006	96	804729	5.00	4.82	
42 2-Butanone (MEK)	43	5.682	5.682	0.000	100	1021856	62.6	62.0	
43 cis-1,2-Dichloroethene	96	5.719	5.713	0.006	82	415328	5.00	7.18	
44 2,2-Dichloropropane	77	5.731	5.725	0.006	87	428358	5.00	5.49	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
45 Propionitrile	54	5.780	5.774	0.006	94	191796	37.5	46.2	
47 Methacrylonitrile	67	5.993	5.999	-0.006	93	604138	37.5	38.4	
48 Chlorobromomethane	128	6.048	6.042	0.006	93	157160	5.00	6.06	
49 Tetrahydrofuran	71	6.054	6.048	0.006	71	108342	25.0	22.8	
50 Chloroform	83	6.207	6.207	0.000	93	553546	5.00	5.79	
$ 54 Dibromofluoromethane (Surr)	113	6.432	6.426	0.006	94	463569	10.0	10.8	
53 1,1,1-Trichloroethane	97	6.432	6.432	0.000	98	514049	5.00	6.47	
55 Cyclohexane	56	6.524	6.530	-0.006	92	513968	5.00	5.87	
56 Carbon tetrachloride	117	6.640	6.639	0.001	96	443361	5.00	6.34	
57 1,1-Dichloropropene	75	6.646	6.646	0.000	96	429381	5.00	6.02	
58 Isobutyl alcohol	41	6.835	6.828	0.007	87	140134	125.1	116.3	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.889	6.883	0.006	99	103171	10.0	11.8	
60 Benzene	78	6.914	6.914	0.000	97	1265538	5.00	5.78	
61 1,2-Dichloroethane	62	6.993	6.987	0.006	97	342669	5.00	5.82	
64 Tert-amyl methyl ether	73	7.115	7.115	0.000	98	741077	5.00	4.88	
* 65 Fluorobenzene (IS)	96	7.334	7.328	0.006	100	1929929	10.0	10.0	
66 n-Heptane	43	7.347	7.347	0.000	93	486727	5.00	6.57	
67 n-Butanol	56	7.737	7.737	0.000	91	231672	250.2	227.1	
68 Trichloroethene	95	7.816	7.816	0.000	97	411900	5.00	7.27	
69 Methylcyclohexane	83	8.127	8.121	0.006	92	546030	5.00	5.94	
70 1,2-Dichloropropane	63	8.158	8.157	0.001	97	333965	5.00	5.87	
71 2-ethoxy-2-methyl butane	87	8.176	8.176	0.000	93	438405	5.00	4.82	
74 1,4-Dioxane	88	8.249	8.243	0.006	31	29835	125.1	144.0	M
73 Methyl methacrylate	69	8.261	8.255	0.006	94	140253	5.00	4.41	
72 Dibromomethane	93	8.267	8.267	0.000	94	156365	5.00	5.64	
76 Dichlorobromomethane	83	8.511	8.517	-0.006	99	385948	5.00	5.84	
77 2-Nitropropane	41	8.804	8.804	0.000	98	37707	5.00	4.21	
78 1-Bromo-2-chloroethane	63	8.907	8.907	0.000	98	324115	5.00	5.56	
80 cis-1,3-Dichloropropene	75	9.084	9.084	0.000	96	436577	5.00	5.05	
82 4-Methyl-2-pentanone (MIBK)	43	9.285	9.291	-0.006	97	2717847	62.6	66.1	
$ 83 Toluene-d8 (Surr)	98	9.413	9.413	0.000	93	2012009	10.0	10.6	
84 Toluene	92	9.493	9.493	0.000	98	832797	5.00	5.76	
85 trans-1,3-Dichloropropene	75	9.773	9.779	-0.006	93	391924	5.00	5.27	
86 Ethyl methacrylate	69	9.852	9.852	0.000	90	302596	5.00	4.89	
87 1,1,2-Trichloroethane	97	9.993	9.992	0.000	90	229383	5.00	5.58	
88 Tetrachloroethene	166	10.072	10.072	0.000	98	881989	5.00	13.2	
89 1,3-Dichloropropane	76	10.157	10.163	-0.006	91	393355	5.00	5.57	
106 2-Hexanone	43	10.224	10.224	0.000	97	1908096	62.6	63.0	
108 Chlorodibromomethane	129	10.377	10.377	0.000	90	295030	5.00	5.89	
110 Ethylene Dibromide	107	10.492	10.486	0.006	99	218176	5.00	5.47	
* 111 Chlorobenzene-d5 (IS)	117	10.944	10.943	0.001	84	1504371	10.0	10.0	
112 1-Chlorohexane	91	10.962	10.962	0.000	98	431568	5.00	5.36	
113 Chlorobenzene	112	10.968	10.974	-0.006	96	972693	5.00	5.76	
114 1,1,1,2-Tetrachloroethane	131	11.059	11.059	0.000	96	342099	5.00	5.86	
115 Ethylbenzene	91	11.065	11.065	0.000	98	1626491	5.00	5.76	
116 m-Xylene & p-Xylene	106	11.181	11.187	-0.006	97	1317562	10.0	11.6	
118 o-Xylene	106	11.523	11.523	0.000	96	624364	5.00	5.52	
119 Styrene	104	11.541	11.541	0.000	95	1060060	5.00	5.72	
120 Bromoform	173	11.693	11.693	0.000	97	177462	5.00	5.66	
121 Isopropylbenzene	105	11.834	11.834	0.000	96	1650620	5.00	6.13	
$ 124 4-Bromofluorobenzene (Surr)	95	11.980	11.980	0.000	95	728871	10.0	9.54	
126 1,1,2,2-Tetrachloroethane	83	12.090	12.096	-0.006	69	293324	5.00	5.53	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
125 Bromobenzene	156	12.096	12.096	0.000	89	433754	5.00	5.53	
127 trans-1,4-Dichloro-2-butene	53	12.120	12.120	0.000	91	342827	25.0	23.9	
128 1,2,3-Trichloropropane	110	12.138	12.138	0.000	83	80404	5.00	5.57	
129 N-Propylbenzene	91	12.175	12.175	0.000	99	1978645	5.00	5.71	
130 2-Chlorotoluene	126	12.248	12.248	0.000	98	412904	5.00	5.47	
131 1,3,5-Trimethylbenzene	105	12.315	12.315	0.000	94	1433510	5.00	5.55	
132 4-Chlorotoluene	126	12.340	12.346	-0.006	97	432195	5.00	5.47	
133 tert-Butylbenzene	134	12.559	12.559	0.000	93	303019	5.00	5.08	
135 1,2,4-Trimethylbenzene	105	12.602	12.602	0.000	97	1474996	5.00	5.55	
136 sec-Butylbenzene	105	12.730	12.730	0.000	94	1856633	5.00	5.70	
137 1,3-Dichlorobenzene	146	12.821	12.821	0.000	98	871705	5.00	5.58	
138 4-Isopropyltoluene	119	12.840	12.839	0.001	97	1651936	5.00	5.62	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	92	915566	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.900	12.900	0.000	96	885929	5.00	5.59	
141 1,2,3-Trimethylbenzene	120	12.913	12.913	0.000	98	651001	5.00	5.33	
142 Benzyl chloride	126	12.980	12.980	0.000	98	116551	5.00	5.49	
145 p-Diethylbenzene	119	13.114	13.114	0.000	94	1036173	5.00	5.70	
143 n-Butylbenzene	92	13.138	13.138	0.000	97	816777	5.00	5.74	
144 1,2-Dichlorobenzene	146	13.163	13.163	0.000	99	805007	5.00	5.65	
148 1,2-Dibromo-3-Chloropropane	155	13.717	13.717	0.000	88	39480	5.00	5.28	
149 1,3,5-Trichlorobenzene	180	13.839	13.845	-0.006	98	640232	5.00	5.54	
150 1,2,4-Trichlorobenzene	180	14.272	14.272	0.000	94	488554	5.00	5.47	
151 Hexachlorobutadiene	225	14.358	14.357	0.001	96	295203	5.00	6.17	
152 Naphthalene	128	14.455	14.455	0.000	96	746387	5.00	5.65	
153 1,2,3-Trichlorobenzene	180	14.595	14.601	-0.006	96	377958	5.00	5.79	
154 2-Methylnaphthalene	142	15.217	15.217	0.000	95	171326	5.00	4.82	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_QC_Gas826_00190	Amount Added:	5.38	Units: uL	
MSV_LCS_VOC#1_00159	Amount Added:	5.38	Units: uL	
MSV_HP25_ISSS_00085	Amount Added:	1.00	Units: uL	Run Reagent

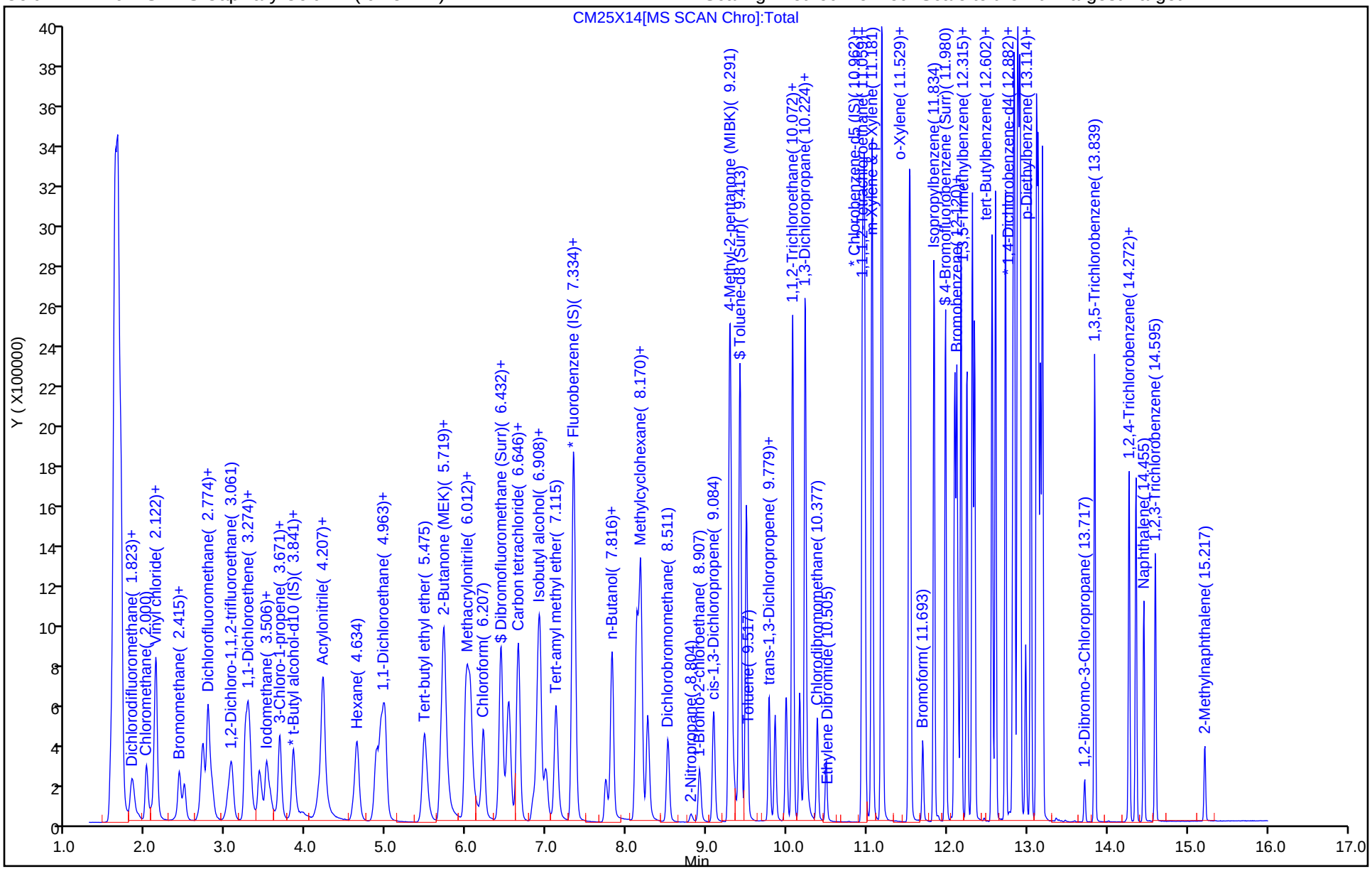
Report Date: 26-Mar-2024 12:45:42 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X14.D

Injection Date:	26-Mar-2024 00:10:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	410-164764-A-6 MS			Worklist Smp#:	15
Client ID:	HD-COD-SW-15-0/1-0MS				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X14.D				
Lims ID:	410-164764-A-6 MS				
Client ID:	HD-COD-SW-15-0/1-0MS				
Sample Type:	MS				
Inject. Date:	26-Mar-2024 00:10:30	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0109513-015				
Operator ID:	gaw91131	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	26-Mar-2024 12:45:41	Calib Date:	11-Dec-2023 23:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1660				

First Level Reviewer: FQ4L Date: 26-Mar-2024 12:45:41

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	10.8	107.70
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	11.8	118.43
$ 83 Toluene-d8 (Surr)	10.0	10.6	105.80
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.54	95.44

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0MSD MSD
Lab Sample ID: 410-164764-6 MSD

Matrix: Water
Lab File ID: CM25X15.D

Analysis Method: 8260D
Date Collected: 03/20/2024 10:32

Sample wt/vol: 25(mL)
Date Analyzed: 03/26/2024 00:32

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 486836
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	6.08		0.50	0.070
71-55-6	1,1,1-Trichloroethane	6.66		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.71		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.87		0.50	0.080
75-34-3	1,1-Dichloroethane	6.26		0.50	0.10
75-35-4	1,1-Dichloroethene	6.79		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.65		0.50	0.080
107-06-2	1,2-Dichloroethane	6.02		0.50	0.070
78-87-5	1,2-Dichloropropane	6.17		0.50	0.10
78-93-3	2-Butanone (MEK)	59.6		5.0	1.0
591-78-6	2-Hexanone	61.8		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	64.2		5.0	1.0
67-64-1	Acetone	67.3		5.0	1.0
71-43-2	Benzene	6.05		0.50	0.10
74-97-5	Bromochloromethane	6.24		0.50	0.080
75-27-4	Bromodichloromethane	6.14		0.50	0.080
75-25-2	Bromoform	5.90		1.0	0.30
74-83-9	Bromomethane	6.00		0.50	0.10
75-15-0	Carbon disulfide	6.18		1.0	0.10
56-23-5	Carbon tetrachloride	6.53		0.50	0.10
108-90-7	Chlorobenzene	5.98		0.50	0.070
75-00-3	Chloroethane	6.52		0.50	0.10
67-66-3	Chloroform	5.99		0.50	0.090
74-87-3	Chloromethane	6.05		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	7.40		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.41		0.50	0.10
124-48-1	Dibromochloromethane	6.10		0.50	0.080
100-41-4	Ethylbenzene	6.00		0.50	0.080
1634-04-4	Methyl tert-butyl ether	5.44		0.50	0.080
75-09-2	Methylene Chloride	6.23		0.50	0.20
100-42-5	Styrene	5.95		0.50	0.070
127-18-4	Tetrachloroethene	13.4		0.50	0.20
108-88-3	Toluene	6.00		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164764-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0MSD MSD
Lab Sample ID: 410-164764-6 MSD

Matrix: Water
Lab File ID: CM25X15.D

Analysis Method: 8260D
Date Collected: 03/20/2024 10:32

Sample wt/vol: 25(mL)
Date Analyzed: 03/26/2024 00:32

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 486836
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	6.49		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.57		0.50	0.080
79-01-6	Trichloroethene	7.51		0.50	0.080
75-01-4	Vinyl chloride	6.40		0.50	0.10
1330-20-7	Xylenes, Total	17.8		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	107		80-120
2037-26-5	Toluene-d8 (Surr)	105		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X15.D
Lims ID: 410-164764-A-6 MSD
Client ID: HD-COD-SW-15-0/1-0MSD
Sample Type: MSD
Inject. Date: 26-Mar-2024 00:32:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109513-016
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Mar-2024 12:53:34 Calib Date: 11-Dec-2023 23:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: FQ4L Date: 26-Mar-2024 12:53:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.811	1.823	-0.012	99	444628	5.00	7.44	
5 Chloromethane	50	1.994	2.000	-0.006	99	452489	5.00	6.05	
6 Vinyl chloride	62	2.098	2.104	-0.006	98	436215	5.00	6.40	
7 Butadiene	39	2.116	2.116	0.000	95	487197	5.00	7.09	
9 Bromomethane	94	2.403	2.402	0.000	90	282209	5.00	6.00	
10 Chloroethane	64	2.470	2.470	0.000	100	246597	5.00	6.52	
11 Dichlorofluoromethane	67	2.695	2.701	-0.006	98	601624	5.00	5.84	
12 Trichlorofluoromethane	101	2.756	2.762	-0.006	96	537198	5.00	7.24	
13 Pentane	43	2.762	2.768	-0.006	97	517575	5.00	6.59	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.055	3.055	0.000	94	383068	5.00	6.53	
18 1,1-Dichloroethene	96	3.232	3.232	0.000	97	284361	5.00	6.79	
20 Acetone	43	3.256	3.262	-0.006	100	548859	62.6	67.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.274	3.280	-0.006	91	258408	5.00	5.86	
22 Iodomethane	142	3.402	3.408	-0.006	99	491542	5.00	5.60	
24 Isopropyl alcohol	45	3.402	3.421	-0.019	33	50442	37.5	27.7	
25 Carbon disulfide	76	3.494	3.494	0.000	100	902595	5.00	6.18	
26 Methyl acetate	43	3.640	3.640	0.000	20	123125	5.00	4.45	M
29 3-Chloro-1-propene	41	3.658	3.658	0.000	91	474071	5.00	6.04	
* 31 t-Butyl alcohol-d10 (IS)	65	3.841	3.829	0.012	90	155868	50.0	50.0	
30 Methylene Chloride	84	3.829	3.835	-0.006	95	306562	5.00	6.23	
32 2-Methyl-2-propanol	59	3.951	3.957	-0.006	98	138311	50.0	39.2	
33 Acrylonitrile	53	4.140	4.146	-0.006	99	331055	25.0	25.8	
34 Methyl tert-butyl ether	73	4.189	4.195	-0.006	94	743443	5.00	5.44	
35 trans-1,2-Dichloroethene	96	4.201	4.201	0.000	98	323916	5.00	6.49	
36 Hexane	57	4.615	4.628	-0.013	94	406804	5.00	6.02	
37 1,1-Dichloroethane	63	4.859	4.865	-0.006	96	572856	5.00	6.26	
39 Isopropyl ether	45	4.926	4.926	0.000	94	931387	5.00	5.46	
40 2-Chloro-1,3-butadiene	53	4.969	4.975	-0.006	91	454505	5.00	6.03	
41 Tert-butyl ethyl ether	59	5.469	5.469	0.000	97	825160	5.00	5.08	
42 2-Butanone (MEK)	43	5.676	5.682	-0.006	100	1036439	62.6	59.6	
43 cis-1,2-Dichloroethene	96	5.707	5.713	-0.006	81	416392	5.00	7.40	
44 2,2-Dichloropropane	77	5.725	5.725	0.000	86	438150	5.00	5.77	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
45 Propionitrile	54	5.774	5.774	0.000	99	187404	37.5	42.8	
47 Methacrylonitrile	67	5.987	5.999	-0.012	93	615389	37.5	37.1	
48 Chlorobromomethane	128	6.042	6.042	0.000	93	157495	5.00	6.24	
49 Tetrahydrofuran	71	6.048	6.048	0.000	73	109625	25.0	21.9	
50 Chloroform	83	6.201	6.207	-0.006	93	557462	5.00	5.99	
$ 54 Dibromofluoromethane (Surr)	113	6.420	6.426	-0.006	94	448583	10.0	10.7	
53 1,1,1-Trichloroethane	97	6.426	6.432	-0.006	97	514603	5.00	6.66	
55 Cyclohexane	56	6.518	6.530	-0.012	92	507874	5.00	5.97	
56 Carbon tetrachloride	117	6.633	6.639	-0.006	97	444382	5.00	6.53	
57 1,1-Dichloropropene	75	6.639	6.646	-0.007	95	430202	5.00	6.20	
58 Isobutyl alcohol	41	6.828	6.828	0.000	93	144926	125.1	114.1	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.877	6.883	-0.006	99	99459	10.0	11.7	
60 Benzene	78	6.908	6.914	-0.006	97	1288554	5.00	6.05	
61 1,2-Dichloroethane	62	6.987	6.987	0.000	97	344982	5.00	6.02	
64 Tert-amyl methyl ether	73	7.109	7.115	-0.006	97	758520	5.00	5.14	
* 65 Fluorobenzene (IS)	96	7.328	7.328	0.000	98	1877613	10.0	10.0	
66 n-Heptane	43	7.341	7.347	-0.006	89	484812	5.00	6.73	
67 n-Butanol	56	7.737	7.737	0.000	91	271243	250.2	252.2	
68 Trichloroethene	95	7.810	7.816	-0.006	97	413816	5.00	7.51	
69 Methylcyclohexane	83	8.121	8.121	0.000	92	543317	5.00	6.08	
70 1,2-Dichloropropane	63	8.151	8.157	-0.006	97	341488	5.00	6.17	
71 2-ethoxy-2-methyl butane	87	8.176	8.176	0.000	93	449361	5.00	5.08	
74 1,4-Dioxane	88	8.249	8.243	0.006	31	31155	125.1	142.6	Ma
73 Methyl methacrylate	69	8.255	8.255	0.000	92	151625	5.00	4.52	
72 Dibromomethane	93	8.261	8.267	-0.006	93	157601	5.00	5.85	
76 Dichlorobromomethane	83	8.511	8.517	-0.006	99	395130	5.00	6.14	
77 2-Nitropropane	41	8.804	8.804	0.000	97	40742	5.00	4.31	
78 1-Bromo-2-chloroethane	63	8.907	8.907	0.000	99	331450	5.00	5.84	
80 cis-1,3-Dichloropropene	75	9.084	9.084	0.000	96	454588	5.00	5.41	
82 4-Methyl-2-pentanone (MIBK)	43	9.285	9.291	-0.006	97	2785743	62.6	64.2	
$ 83 Toluene-d8 (Surr)	98	9.413	9.413	0.000	93	1946428	10.0	10.5	
84 Toluene	92	9.493	9.493	0.000	98	847355	5.00	6.00	
85 trans-1,3-Dichloropropene	75	9.773	9.779	-0.006	93	404882	5.00	5.57	
86 Ethyl methacrylate	69	9.852	9.852	0.000	90	312811	5.00	5.17	
87 1,1,2-Trichloroethane	97	9.986	9.992	-0.006	91	235522	5.00	5.87	
88 Tetrachloroethene	166	10.072	10.072	0.000	98	876574	5.00	13.4	
89 1,3-Dichloropropane	76	10.157	10.163	-0.006	91	398681	5.00	5.78	
106 2-Hexanone	43	10.224	10.224	0.000	97	1971747	62.6	61.8	
108 Chlorodibromomethane	129	10.377	10.377	0.000	89	298655	5.00	6.10	
110 Ethylene Dibromide	107	10.486	10.486	0.000	100	220351	5.00	5.65	
* 111 Chlorobenzene-d5 (IS)	117	10.944	10.943	0.001	86	1470103	10.0	10.0	
112 1-Chlorohexane	91	10.962	10.962	0.000	98	436486	5.00	5.54	
113 Chlorobenzene	112	10.968	10.974	-0.006	97	987729	5.00	5.98	
114 1,1,1,2-Tetrachloroethane	131	11.059	11.059	0.000	95	346992	5.00	6.08	
115 Ethylbenzene	91	11.065	11.065	0.000	98	1656304	5.00	6.00	
116 m-Xylene & p-Xylene	106	11.181	11.187	-0.006	97	1329207	10.0	12.0	
118 o-Xylene	106	11.523	11.523	0.000	96	639154	5.00	5.78	
119 Styrene	104	11.541	11.541	0.000	95	1077951	5.00	5.95	
120 Bromoform	173	11.693	11.693	0.000	98	180700	5.00	5.90	
121 Isopropylbenzene	105	11.834	11.834	0.000	95	1668211	5.00	6.34	
$ 124 4-Bromofluorobenzene (Surr)	95	11.980	11.980	0.000	95	705897	10.0	9.46	
126 1,1,2,2-Tetrachloroethane	83	12.090	12.096	-0.006	71	292683	5.00	5.71	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
125 Bromobenzene	156	12.096	12.096	0.000	88	433086	5.00	5.72	
127 trans-1,4-Dichloro-2-butene	53	12.114	12.120	-0.006	91	350618	25.0	25.3	
128 1,2,3-Trichloropropane	110	12.132	12.138	-0.006	81	80993	5.00	5.81	
129 N-Propylbenzene	91	12.169	12.175	-0.006	99	2008602	5.00	6.00	
130 2-Chlorotoluene	126	12.248	12.248	0.000	98	420528	5.00	5.77	
131 1,3,5-Trimethylbenzene	105	12.315	12.315	0.000	94	1454050	5.00	5.83	
132 4-Chlorotoluene	126	12.340	12.346	-0.006	97	436423	5.00	5.72	
133 tert-Butylbenzene	134	12.559	12.559	0.000	92	306154	5.00	5.31	
135 1,2,4-Trimethylbenzene	105	12.602	12.602	0.000	97	1487463	5.00	5.79	
136 sec-Butylbenzene	105	12.730	12.730	0.000	94	1885467	5.00	6.00	
137 1,3-Dichlorobenzene	146	12.821	12.821	0.000	98	873209	5.00	5.79	
138 4-Isopropyltoluene	119	12.839	12.839	0.000	97	1648066	5.00	5.81	
* 139 1,4-Dichlorobenzene-d4	152	12.882	12.882	0.000	92	884107	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.900	12.900	0.000	96	897790	5.00	5.87	
141 1,2,3-Trimethylbenzene	120	12.913	12.913	0.000	98	658189	5.00	5.58	
142 Benzyl chloride	126	12.980	12.980	0.000	98	118452	5.00	5.78	
145 p-Diethylbenzene	119	13.114	13.114	0.000	94	1041946	5.00	5.94	
143 n-Butylbenzene	92	13.132	13.138	-0.006	97	824422	5.00	6.00	
144 1,2-Dichlorobenzene	146	13.163	13.163	0.000	99	812291	5.00	5.90	
148 1,2-Dibromo-3-Chloropropane	155	13.717	13.717	0.000	87	42337	5.00	5.86	
149 1,3,5-Trichlorobenzene	180	13.839	13.845	-0.006	98	642717	5.00	5.76	
150 1,2,4-Trichlorobenzene	180	14.272	14.272	0.000	94	502857	5.00	5.84	
151 Hexachlorobutadiene	225	14.357	14.357	0.000	97	290664	5.00	6.29	
152 Naphthalene	128	14.455	14.455	0.000	96	793018	5.00	6.21	
153 1,2,3-Trichlorobenzene	180	14.595	14.601	-0.006	96	391175	5.00	6.21	
154 2-Methylnaphthalene	142	15.217	15.217	0.000	91	196158	5.00	5.72	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

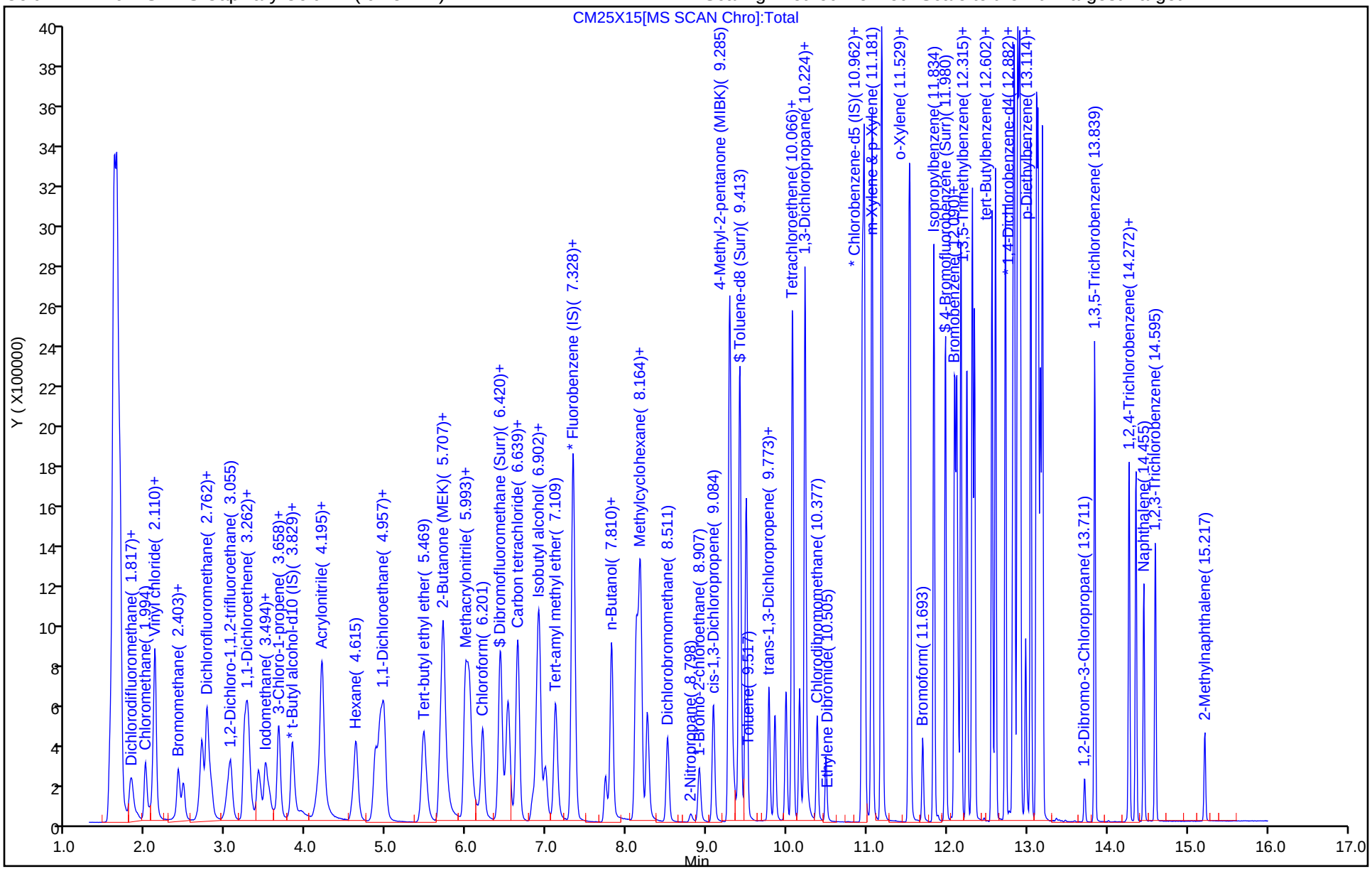
MSV_QC_Gas826_00190	Amount Added:	5.38	Units: uL	
MSV_LCS_VOC#1_00159	Amount Added:	5.38	Units: uL	
MSV_HP25_ISSS_00085	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 26-Mar-2024 12:53:35 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X15.D				
Injection Date:	26-Mar-2024 00:32:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	410-164764-A-6 MSD			Worklist Smp#:	16
Client ID:	HD-COD-SW-15-0/1-0MSD				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\CM25X15.D				
Lims ID:	410-164764-A-6 MSD				
Client ID:	HD-COD-SW-15-0/1-0MSD				
Sample Type:	MSD				
Inject. Date:	26-Mar-2024 00:32:30	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0109513-016				
Operator ID:	gaw91131	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20240325-109513.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	26-Mar-2024 12:53:34	Calib Date:	11-Dec-2023 23:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20231211-101546.b\CD11X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1660				

First Level Reviewer: FQ4L Date: 26-Mar-2024 12:53:34

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	10.7	107.12
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	11.7	117.35
$ 83 Toluene-d8 (Surr)	10.0	10.5	104.74
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.46	94.59

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Instrument ID: 10193 Start Date: 03/11/2021 15:00

Analysis Batch Number: 102081 End Date: 03/11/2021 22:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-102081/1		03/11/2021 15:00	1	CM11T01.D	R-624SilMS 30m 0.25(mm)
IC 410-102081/3		03/11/2021 16:05	1		R-624SilMS 30m 0.25(mm)
IC 410-102081/4		03/11/2021 16:28	1		R-624SilMS 30m 0.25(mm)
IC 410-102081/5		03/11/2021 16:50	1		R-624SilMS 30m 0.25(mm)
IC 410-102081/6		03/11/2021 17:12	1		R-624SilMS 30m 0.25(mm)
IC 410-102081/7		03/11/2021 17:35	1		R-624SilMS 30m 0.25(mm)
IC 410-102081/9		03/11/2021 18:19	1		R-624SilMS 30m 0.25(mm)
ICV 410-102081/10		03/11/2021 18:42	1		R-624SilMS 30m 0.25(mm)
IC 410-102081/12		03/11/2021 19:26	1	CM11X12.D	R-624SilMS 30m 0.25(mm)
ICIS 410-102081/13		03/11/2021 19:49	1	CM11X13.D	R-624SilMS 30m 0.25(mm)
IC 410-102081/14		03/11/2021 20:11	1	CM11X14.D	R-624SilMS 30m 0.25(mm)
IC 410-102081/15		03/11/2021 20:33	1	CM11X15.D	R-624SilMS 30m 0.25(mm)
IC 410-102081/16		03/11/2021 20:55	1	CM11X16.D	R-624SilMS 30m 0.25(mm)
IC 410-102081/17		03/11/2021 21:18	1	CM11X17.D	R-624SilMS 30m 0.25(mm)
IC 410-102081/18		03/11/2021 21:40	1	CM11X18.D	R-624SilMS 30m 0.25(mm)
ICV 410-102081/19		03/11/2021 22:02	1		R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-164764-1

SDG No.:

Instrument ID: 10193

Start Date: 04/13/2021 20:23

Analysis Batch Number: 114096

End Date: 04/14/2021 00:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-114096/1		04/13/2021 20:23	1		R-624SilMS 30m 0.25(mm)
IC 410-114096/3		04/13/2021 21:00	1		R-624SilMS 30m 0.25(mm)
IC 410-114096/4		04/13/2021 21:23	1		R-624SilMS 30m 0.25(mm)
CCV 410-114096/1004		04/13/2021 21:23	1		R-624SilMS 30m 0.25(mm)
IC 410-114096/5		04/13/2021 21:45	1		R-624SilMS 30m 0.25(mm)
IC 410-114096/6		04/13/2021 22:07	1		R-624SilMS 30m 0.25(mm)
IC 410-114096/7		04/13/2021 22:29	1		R-624SilMS 30m 0.25(mm)
IC 410-114096/8		04/13/2021 22:52	1		R-624SilMS 30m 0.25(mm)
IC 410-114096/9		04/13/2021 23:14	1		R-624SilMS 30m 0.25(mm)
ICV 410-114096/10		04/13/2021 23:36	1	CA13V01.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		04/13/2021 23:59	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		04/14/2021 00:21	1		R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Instrument ID: 19094 Start Date: 10/17/2023 03:41

Analysis Batch Number: 431955 End Date: 10/17/2023 10:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-431955/1		10/17/2023 03:41	1	HO16T01.D	R-624SilMS 30m 0.25(mm)
IC 410-431955/3		10/17/2023 04:22	1	HO16X02.D	R-624SilMS 30m 0.25(mm)
IC 410-431955/4		10/17/2023 04:42	1	HO16X03.D	R-624SilMS 30m 0.25(mm)
IC 410-431955/5		10/17/2023 05:02	1	HO16X04.D	R-624SilMS 30m 0.25(mm)
IC 410-431955/6		10/17/2023 05:22	1	HO16X05.D	R-624SilMS 30m 0.25(mm)
IC 410-431955/7		10/17/2023 05:42	1	HO16X06.D	R-624SilMS 30m 0.25(mm)
IC 410-431955/8		10/17/2023 06:02	1	HO16X07.D	R-624SilMS 30m 0.25(mm)
CCV 410-431955/1008		10/17/2023 06:02	1		R-624SilMS 30m 0.25(mm)
IC 410-431955/9		10/17/2023 06:22	1	HO16X08.D	R-624SilMS 30m 0.25(mm)
ICV 410-431955/11		10/17/2023 07:03	1		R-624SilMS 30m 0.25(mm)
IC 410-431955/13		10/17/2023 07:43	1	HO16X12.D	R-624SilMS 30m 0.25(mm)
IC 410-431955/14		10/17/2023 08:03	1	HO16X13.D	R-624SilMS 30m 0.25(mm)
IC 410-431955/15		10/17/2023 08:23	1	HO16X14.D	R-624SilMS 30m 0.25(mm)
IC 410-431955/16		10/17/2023 08:43	1	HO16X15.D	R-624SilMS 30m 0.25(mm)
IC 410-431955/17		10/17/2023 09:03	1	HO16X16.D	R-624SilMS 30m 0.25(mm)
ICIS 410-431955/18		10/17/2023 09:23	1	HO16X17.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-431955/1018		10/17/2023 09:23	1		R-624SilMS 30m 0.25(mm)
IC 410-431955/19		10/17/2023 09:43	1	HO16X18.D	R-624SilMS 30m 0.25(mm)
ICV 410-431955/21		10/17/2023 10:24	1	HO16X20.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-164764-1

SDG No.:

Instrument ID: 10193

Start Date: 12/11/2023 17:07

Analysis Batch Number: 452392

End Date: 12/12/2023 00:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-452392/1		12/11/2023 17:07	1	CD11T01.D	R-624SilMS 30m 0.25(mm)
IC 410-452392/3		12/11/2023 17:46	1	copy_CD11X02.D	R-624SilMS 30m 0.25(mm)
IC 410-452392/4		12/11/2023 18:08	1	CD11X03.D	R-624SilMS 30m 0.25(mm)
IC 410-452392/5		12/11/2023 18:30	1	CD11X04.D	R-624SilMS 30m 0.25(mm)
IC 410-452392/6		12/11/2023 18:52	1	CD11X05.D	R-624SilMS 30m 0.25(mm)
IC 410-452392/7		12/11/2023 19:14	1	CD11X06.D	R-624SilMS 30m 0.25(mm)
IC 410-452392/8		12/11/2023 19:37	1	CD11X07.D	R-624SilMS 30m 0.25(mm)
IC 410-452392/9		12/11/2023 19:59	1	CD11X08.D	R-624SilMS 30m 0.25(mm)
ICV 410-452392/11		12/11/2023 20:43	1	CD11X10.D	R-624SilMS 30m 0.25(mm)
IC 410-452392/13		12/11/2023 21:27	1	CD11X12.D	R-624SilMS 30m 0.25(mm)
IC 410-452392/14		12/11/2023 21:50	1	CD11X13.D	R-624SilMS 30m 0.25(mm)
IC 410-452392/15		12/11/2023 22:12	1	CD11X14.D	R-624SilMS 30m 0.25(mm)
IC 410-452392/16		12/11/2023 22:34	1	CD11X15.D	R-624SilMS 30m 0.25(mm)
IC 410-452392/17		12/11/2023 22:57	1	CD11X16.D	R-624SilMS 30m 0.25(mm)
ICIS 410-452392/18		12/11/2023 23:19	1	CD11X17.D	R-624SilMS 30m 0.25(mm)
IC 410-452392/19		12/11/2023 23:41	1	CD11X18.D	R-624SilMS 30m 0.25(mm)
ICV 410-452392/21		12/12/2023 00:25	1	CD11X20.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Instrument ID: 10193 Start Date: 03/25/2024 18:52

Analysis Batch Number: 486836 End Date: 03/26/2024 05:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-486836/1		03/25/2024 18:52	1	CM25T01.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-486836/3		03/25/2024 19:38	1	CM25X02.D	R-624SilMS 30m 0.25(mm)
LCS 410-486836/4		03/25/2024 20:00	1	CM25X03.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		03/25/2024 20:23	1		R-624SilMS 30m 0.25(mm)
MB 410-486836/6		03/25/2024 20:45	1	CM25X05.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		03/25/2024 21:07	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/25/2024 21:30	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/25/2024 21:52	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/25/2024 22:14	20		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/25/2024 22:36	20		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/25/2024 23:03	50		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/25/2024 23:25	100		R-624SilMS 30m 0.25(mm)
410-164764-6	HD-COD-SW-15-0/1-0	03/25/2024 23:47	1	CM25X13.D	R-624SilMS 30m 0.25(mm)
410-164764-6 MS	HD-COD-SW-15-0/1-0MS MS	03/26/2024 00:10	1	CM25X14.D	R-624SilMS 30m 0.25(mm)
410-164764-6 MSD	HD-COD-SW-15-0/1-0MSD MSD	03/26/2024 00:32	1	CM25X15.D	R-624SilMS 30m 0.25(mm)
410-164764-1	HD-COD-SW-6-0/1-0	03/26/2024 01:16	1	CM25X17.D	R-624SilMS 30m 0.25(mm)
410-164764-2	HD-COD-SW-7-0/1-0	03/26/2024 01:39	1	CM25X18.D	R-624SilMS 30m 0.25(mm)
410-164764-3	HD-COD-SW-8-0/1-0	03/26/2024 02:01	1	CM25X19.D	R-624SilMS 30m 0.25(mm)
410-164764-4	HD-COD-SW-9-0/1-0	03/26/2024 02:23	1	CM25X20.D	R-624SilMS 30m 0.25(mm)
410-164764-5	HD-COD-SW-13-0/1-0	03/26/2024 02:45	1	CM25X21.D	R-624SilMS 30m 0.25(mm)
410-164764-7	HD-COD-SW-16-0/1-0	03/26/2024 03:08	1	CM25X22.D	R-624SilMS 30m 0.25(mm)
410-164764-8	HD-COD-SW-17-0/1-0	03/26/2024 03:30	1	CM25X23.D	R-624SilMS 30m 0.25(mm)
410-164764-8 DL	HD-COD-SW-17-0/1-0 DL	03/26/2024 03:52	10	CM25X24.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		03/26/2024 04:14	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/26/2024 04:37	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/26/2024 04:59	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/26/2024 05:21	100		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/26/2024 05:43	10		R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Instrument ID: 10193 Start Date: 03/27/2024 09:59

Analysis Batch Number: 487558 End Date: 03/27/2024 20:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-487558/1		03/27/2024 09:59	1	CM27T01.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-487558/3		03/27/2024 10:39	1	CM27X02.D	R-624SilMS 30m 0.25(mm)
LCS 410-487558/5		03/27/2024 11:24	1	CM27X04.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		03/27/2024 11:46	1		R-624SilMS 30m 0.25(mm)
MB 410-487558/7		03/27/2024 12:08	1	CM27X06.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		03/27/2024 12:31	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/27/2024 12:53	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/27/2024 13:15	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/27/2024 13:37	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/27/2024 14:00	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/27/2024 14:22	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/27/2024 14:44	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/27/2024 15:07	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/27/2024 15:29	1		R-624SilMS 30m 0.25(mm)
410-164764-9	HD-COD-SW-26-0/1-0	03/27/2024 15:51	1	CM27X16.D	R-624SilMS 30m 0.25(mm)
410-164764-10	HD-COD-SW-27-0/1-0	03/27/2024 16:13	1	CM27X17.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		03/27/2024 16:36	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/27/2024 16:58	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/27/2024 17:20	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/27/2024 17:42	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/27/2024 18:05	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/27/2024 18:27	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/27/2024 18:49	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/27/2024 19:12	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/27/2024 19:38	50		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/27/2024 20:00	500		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/27/2024 20:23	50		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/27/2024 20:45	500		R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164764-1

SDG No.:

Instrument ID: 19094 Start Date: 03/28/2024 07:25

Analysis Batch Number: 487972 End Date: 03/28/2024 18:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-487972/1		03/28/2024 07:25	1	HM28T01.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-487972/3		03/28/2024 08:00	1	HM28X02.D	R-624SilMS 30m 0.25(mm)
LCS 410-487972/4		03/28/2024 08:21	1	HM28X03.D	R-624SilMS 30m 0.25(mm)
LCSD 410-487972/5		03/28/2024 08:41	1	HM28X04.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 09:01	1		R-624SilMS 30m 0.25(mm)
MB 410-487972/7		03/28/2024 09:21	1	HM28X06.D	R-624SilMS 30m 0.25(mm)
410-164764-14	HD-QC1-0/1-2	03/28/2024 09:42	1	HM28X07.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 10:02	1		R-624SilMS 30m 0.25(mm)
410-164764-11	HD-COD-SW-28-0/1-0	03/28/2024 10:22	1	HM28X09.D	R-624SilMS 30m 0.25(mm)
410-164764-12	HD-COD-SW-29-0/1-0	03/28/2024 10:42	1	HM28X10.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 11:03	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 11:23	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 11:43	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 12:03	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 12:24	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 12:44	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 13:04	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 13:24	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 13:45	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 14:05	1		R-624SilMS 30m 0.25(mm)
410-164764-13	HD-QC1-0/1-1	03/28/2024 14:25	1	HM28X21.D	R-624SilMS 30m 0.25(mm)
410-164764-13 DL	HD-QC1-0/1-1 DL	03/28/2024 14:45	10	HM28X22.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 15:06	50		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 15:26	500		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 15:46	50		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 16:06	500		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 16:27	50		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 16:47	500		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 17:07	50		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 17:27	500		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 17:48	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 18:08	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		03/28/2024 18:28	50		R-624SilMS 30m 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-164764-1

SDG No.:

Batch Number: 102081 | Batch Start Date: 03/11/21 15:00 | Batch Analyst: Sposito, Kevin A

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	MSV_HP25_ISSS 00023	MSV_RV1_826 00041	MSV_RV4_826 00047
BFB 410-102081/1		8260D			1 uL	1 uL				
IC 410-102081/12		8260D			25 mL	25 mL	0126201F	1 uL	25 uL	25 uL
ICIS 410-102081/13		8260D			25 mL	25 mL	0126201F	1 uL	10 uL	10 uL
IC 410-102081/14		8260D			25 mL	25 mL	0126201F	1 uL	5 uL	5 uL
IC 410-102081/15		8260D			25 mL	25 mL	0126201F	1 uL	2 uL	2 uL
IC 410-102081/16		8260D			25 mL	25 mL	0126201F	1 uL	2 uL	2 uL
IC 410-102081/17		8260D			25 mL	25 mL	0126201F	1 uL	2 uL	2 uL
IC 410-102081/18		8260D			25 mL	25 mL	0126201F	1 uL	2 uL	2 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_RV4GAS826 00118	MSV_V_BFB 00004				
BFB 410-102081/1		8260D				1 uL				
IC 410-102081/12		8260D			25 uL					
ICIS 410-102081/13		8260D			10 uL					
IC 410-102081/14		8260D			5 uL					
IC 410-102081/15		8260D			2 uL					
IC 410-102081/16		8260D			2 uL					
IC 410-102081/17		8260D			2 uL					
IC 410-102081/18		8260D			2 uL					

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-164764-1

SDG No.:

Batch Number: 102081 | Batch Start Date: 03/11/21 15:00 | Batch Analyst: Sposito, Kevin A

Batch Method: 8260D | Batch End Date:

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.: 410-164764-1

SDG No.:

Batch Number: 114096 | Batch Start Date: 04/13/21 20:23 | Batch Analyst: Campbell, Miranda E

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	MSV_HP25_ISSS 00023	MSV_Q_CDFM_25 00014	MSV_Q_QARC 00077
ICV 410-114096/10		8260D			25 mL	25 mL	0126201F	1 uL	5 uL	12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_Q_QDME 00013	MSV_Q_VOA5 00025	MSV_QAcet 00012	MSV_QCYC 00005	MSV_QLKB 00004	MSV_QREV4_25 00017
ICV 410-114096/10		8260D			5 uL	25 uL	7.5 uL	12.5 uL	25 uL	12.5 uL

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-164764-1

SDG No.:

Batch Number: 431955 | Batch Start Date: 10/17/23 03:41 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	LCS_ETBR 00006	MSV_CCV_CYC 00007	MSV_CCV_V5ACE 00029
BFB 410-431955/1		8260D			1 uL	1 uL				
IC 410-431955/3		8260D			25 mL	25 mL	2711		1.6 uL	0.2 uL
IC 410-431955/4		8260D			25 mL	25 mL	2711		4 uL	0.5 uL
IC 410-431955/5		8260D			25 mL	25 mL	2711		8 uL	1 uL
IC 410-431955/6		8260D			25 mL	25 mL	2711		8 uL	1 uL
IC 410-431955/7		8260D			25 mL	25 mL	2711		8 uL	1 uL
IC 410-431955/8		8260D			25 mL	25 mL	2711		8 uL	1 uL
IC 410-431955/9		8260D			25 mL	25 mL	2711		20 uL	2.5 uL
IC 410-431955/13		8260D			25 mL	25 mL	2711			
IC 410-431955/14		8260D			25 mL	25 mL	2711			
IC 410-431955/15		8260D			25 mL	25 mL	2711			
IC 410-431955/16		8260D			25 mL	25 mL	2711			
IC 410-431955/17		8260D			25 mL	25 mL	2711			
ICIS 410-431955/18		8260D			25 mL	25 mL	2711			
IC 410-431955/19		8260D			25 mL	25 mL	2711			
ICV 410-431955/21		8260D			25 mL	25 mL	2711	12.5 uL		

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_DME 00049	MSV_LCS_ACROL 00135	MSV_LCS_EE 00007	MSV_LCS_Penta 00033	MSV_LCS_VOC#1 00134	MSV_LL_#1_826 00099
BFB 410-431955/1		8260D								
IC 410-431955/3		8260D			0.2 uL					
IC 410-431955/4		8260D			0.5 uL					
IC 410-431955/5		8260D			1 uL					
IC 410-431955/6		8260D			1 uL					
IC 410-431955/7		8260D			1 uL					
IC 410-431955/8		8260D			1 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-164764-1

SDG No.:

Batch Number: 431955 | Batch Start Date: 10/17/23 03:41 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_DME 00049	MSV_LCS_ACROL 00135	MSV_LCS_EE 00007	MSV_LCS_Penta 00033	MSV_LCS_VOC#1 00134	MSV_LL_#1_826 00099
IC 410-431955/9		8260D			2.5 uL					
IC 410-431955/13		8260D								2 uL
IC 410-431955/14		8260D								2 uL
IC 410-431955/15		8260D								2 uL
IC 410-431955/16		8260D								2 uL
IC 410-431955/17		8260D								5 uL
ICIS 410-431955/18		8260D								10 uL
IC 410-431955/19		8260D								25 uL
ICV 410-431955/21		8260D				12.5 uL	12.5 uL	12.5 uL	12.5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LL_#2_826 00108	MSV_LL_GAS826 00174	MSV_LLcentISS 00009	MSV_LLcentISS 00010	MSV_QC_Gas826 00164	MSV_V_BFB 00012
BFB 410-431955/1		8260D								1 uL
IC 410-431955/3		8260D						5 uL		
IC 410-431955/4		8260D						5 uL		
IC 410-431955/5		8260D						5 uL		
IC 410-431955/6		8260D						5 uL		
IC 410-431955/7		8260D						5 uL		
IC 410-431955/8		8260D						5 uL		
IC 410-431955/9		8260D						5 uL		
IC 410-431955/13		8260D			2 uL	2 uL	5 uL			
IC 410-431955/14		8260D			2 uL	2 uL	5 uL			
IC 410-431955/15		8260D			2 uL	2 uL	5 uL			
IC 410-431955/16		8260D			2 uL	2 uL	5 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-164764-1

SDG No.:

Batch Number: 431955 | Batch Start Date: 10/17/23 03:41 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LL_#2_826 00108	MSV_LL_GAS826 00174	MSV_LLcentISS 00009	MSV_LLcentISS 00010	MSV_QC_Gas826 00164	MSV_V_BFB 00012
IC 410-431955/17		8260D			5 uL	5 uL	5 uL			
ICIS 410-431955/18		8260D			10 uL	10 uL	5 uL			
IC 410-431955/19		8260D			25 uL	25 uL	5 uL			
ICV 410-431955/21		8260D					5 uL		12.5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_SMRV4 00063					
BFB 410-431955/1		8260D								
IC 410-431955/3		8260D			1 uL					
IC 410-431955/4		8260D			2.5 uL					
IC 410-431955/5		8260D			5 uL					
IC 410-431955/6		8260D			5 uL					
IC 410-431955/7		8260D			5 uL					
IC 410-431955/8		8260D			5 uL					
IC 410-431955/9		8260D			12.5 uL					
IC 410-431955/13		8260D								
IC 410-431955/14		8260D								
IC 410-431955/15		8260D								
IC 410-431955/16		8260D								
IC 410-431955/17		8260D								
ICIS 410-431955/18		8260D								
IC 410-431955/19		8260D								
ICV 410-431955/21		8260D								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-164764-1

SDG No.:

Batch Number: 431955 | Batch Start Date: 10/17/23 03:41 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-164764-1

SDG No.:

Batch Number: 452392 | Batch Start Date: 12/11/23 17:07 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	LCS_ETBR 00007	MSV_29_826ISS 00052	MSV_CCV_CYC 00007
BFB 410-452392/1		8260D			1 uL	1 uL				
IC 410-452392/3		8260D			25 mL	25 mL	2711			1.6 uL
IC 410-452392/4		8260D			25 mL	25 mL	2711			4 uL
IC 410-452392/5		8260D			25 mL	25 mL	2711			8 uL
IC 410-452392/6		8260D			25 mL	25 mL	2711			8 uL
IC 410-452392/7		8260D			25 mL	25 mL	2711			8 uL
IC 410-452392/8		8260D			25 mL	25 mL	2711			8 uL
IC 410-452392/9		8260D			25 mL	25 mL	2711			20 uL
ICV 410-452392/11		8260D			25 mL	25 mL	2711			
IC 410-452392/13		8260D			25 mL	25 mL	2711		1 uL	
IC 410-452392/14		8260D			25 mL	25 mL	2711		1 uL	
IC 410-452392/15		8260D			25 mL	25 mL	2711		1 uL	
IC 410-452392/16		8260D			25 mL	25 mL	2711		1 uL	
IC 410-452392/17		8260D			25 mL	25 mL	2711		1 uL	
ICIS 410-452392/18		8260D			25 mL	25 mL	2711		1 uL	
IC 410-452392/19		8260D			25 mL	25 mL	2711		1 uL	
ICV 410-452392/21		8260D			25 mL	25 mL		12.5 uL	1 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_V5ACE 00031	MSV_DME 00050	MSV_HP29_ISO 00004	MSV_LCS_2CEVE 00148	MSV_LCS_ACROL 00144	MSV_LCS_CYC 00005
BFB 410-452392/1		8260D								
IC 410-452392/3		8260D			0.2 uL	0.2 uL	1 uL			
IC 410-452392/4		8260D			0.5 uL	0.5 uL	1 uL			
IC 410-452392/5		8260D			1 uL	1 uL	1 uL			
IC 410-452392/6		8260D			1 uL	1 uL	1 uL			
IC 410-452392/7		8260D			1 uL	1 uL	1 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-164764-1

SDG No.:

Batch Number: 452392 Batch Start Date: 12/11/23 17:07 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_V5ACE 00031	MSV_DME 00050	MSV_HP29_ISO 00004	MSV_LCS_2CEVE 00148	MSV_LCS_ACROL 00144	MSV_LCS_CYC 00005
IC 410-452392/8		8260D			1 uL	1 uL	1 uL			
IC 410-452392/9		8260D			2.5 uL	2.5 uL	1 uL			
ICV 410-452392/11		8260D					1 uL	12.5 uL		12.5 uL
IC 410-452392/13		8260D								
IC 410-452392/14		8260D								
IC 410-452392/15		8260D								
IC 410-452392/16		8260D								
IC 410-452392/17		8260D								
ICIS 410-452392/18		8260D								
IC 410-452392/19		8260D								
ICV 410-452392/21		8260D							12.5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_EE 00008	MSV_LCS_LKB 00008	MSV_LCS_Penta 00036	MSV_LCS_SMFre 00059	MSV_LCS_V5ACE 00033	MSV_LCS_VOC#1 00143
BFB 410-452392/1		8260D								
IC 410-452392/3		8260D								
IC 410-452392/4		8260D								
IC 410-452392/5		8260D								
IC 410-452392/6		8260D								
IC 410-452392/7		8260D								
IC 410-452392/8		8260D								
IC 410-452392/9		8260D								
ICV 410-452392/11		8260D				25 uL		12.5 uL	6.25 uL	
IC 410-452392/13		8260D								
IC 410-452392/14		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.: 410-164764-1

SDG No.:

Batch Number: 452392 | Batch Start Date: 12/11/23 17:07 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_EE 00008	MSV_LCS_LKB 00008	MSV_LCS_Penta 00036	MSV_LCS_SMFre 00059	MSV_LCS_V5ACE 00033	MSV_LCS_VOC#1 00143
IC 410-452392/15		8260D								
IC 410-452392/16		8260D								
IC 410-452392/17		8260D								
ICIS 410-452392/18		8260D								
IC 410-452392/19		8260D								
ICV 410-452392/21		8260D			12.5 uL		12.5 uL			12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LL_#1_826 00107	MSV_LL_#2_826 00117	MSV_LL_GAS826 00182	MSV_Q_QDME 00038	MSV_QC_Gas826 00173	MSV_V_BFB 00013
BFB 410-452392/1		8260D								1 uL
IC 410-452392/3		8260D								
IC 410-452392/4		8260D								
IC 410-452392/5		8260D								
IC 410-452392/6		8260D								
IC 410-452392/7		8260D								
IC 410-452392/8		8260D								
IC 410-452392/9		8260D								
ICV 410-452392/11		8260D						5 uL		
IC 410-452392/13		8260D			2 uL	2 uL	2 uL			
IC 410-452392/14		8260D			2 uL	2 uL	2 uL			
IC 410-452392/15		8260D			2 uL	2 uL	2 uL			
IC 410-452392/16		8260D			2 uL	2 uL	2 uL			
IC 410-452392/17		8260D			5 uL	5 uL	5 uL			
ICIS 410-452392/18		8260D			10 uL	10 uL	10 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-164764-1

SDG No.:

Batch Number: 452392 | Batch Start Date: 12/11/23 17:07 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LL_#1_826 00107	MSV_LL_#2_826 00117	MSV_LL_GAS826 00182	MSV_Q_QDME 00038	MSV_QC_Gas826 00173	MSV_V_BFB 00013
IC 410-452392/19		8260D			25 uL	25 uL	25 uL			
ICV 410-452392/21		8260D							12.5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_SMRV4 00065					
BFB 410-452392/1		8260D								
IC 410-452392/3		8260D			1 uL					
IC 410-452392/4		8260D			2.5 uL					
IC 410-452392/5		8260D			5 uL					
IC 410-452392/6		8260D			5 uL					
IC 410-452392/7		8260D			5 uL					
IC 410-452392/8		8260D			5 uL					
IC 410-452392/9		8260D			12.5 uL					
ICV 410-452392/11		8260D								
IC 410-452392/13		8260D								
IC 410-452392/14		8260D								
IC 410-452392/15		8260D								
IC 410-452392/16		8260D								
IC 410-452392/17		8260D								
ICIS 410-452392/18		8260D								
IC 410-452392/19		8260D								
ICV 410-452392/21		8260D								

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-164764-1

SDG No.:

Batch Number: 452392 | Batch Start Date: 12/11/23 17:07 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

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.: 410-164764-1

SDG No.:

Batch Number: 486836 | Batch Start Date: 03/25/24 18:52 | Batch Analyst: Walmer, Gavin

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	Headspace	Lot#Vial
BFB 410-486836/1		8260D			1 uL	1 uL				
CCVIS 410-486836/3		8260D			25 mL	25 mL				2731
LCS 410-486836/4		8260D			25 mL	25 mL				2731
MB 410-486836/6		8260D			25 mL	25 mL				2731
410-164764-A-6	HD-COD-SW-15-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-164764-A-6 MS	HD-COD-SW-15-0/1-0MS	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-164764-A-6 MSD	HD-COD-SW-15-0/1-0MSD	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-164764-A-1	HD-COD-SW-6-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-164764-A-2	HD-COD-SW-7-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-164764-A-3	HD-COD-SW-8-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-164764-A-4	HD-COD-SW-9-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-164764-A-5	HD-COD-SW-13-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-164764-A-7	HD-COD-SW-16-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-164764-A-8	HD-COD-SW-17-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-164764-B-8	HD-COD-SW-17-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	2731

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_HP25_ISSS 00085	MSV_LCS_VOC#1 00159	MSV_LL_#1_826 00121	MSV_LL_#2_826 00131	MSV_LL_GAS826 00200	MSV_QC_Gas826 00190
BFB 410-486836/1		8260D								
CCVIS 410-486836/3		8260D			1 uL		20 uL	20 uL	20 uL	
LCS 410-486836/4		8260D			1 uL	12.5 uL				12.5 uL
MB 410-486836/6		8260D			1 uL					
410-164764-A-6	HD-COD-SW-15-0/1-0	8260D	Water	T	1 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-164764-1

SDG No.:

Batch Number: 486836 Batch Start Date: 03/25/24 18:52 Batch Analyst: Walmer, Gavin

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_HP25_ISSS 00085	MSV_LCS_VOC#1 00159	MSV_LL_#1_826 00121	MSV_LL_#2_826 00131	MSV_LL_GAS826 00200	MSV_QC_Gas826 00190
410-164764-A-6 MS	HD-COD-SW-15-0/1-0MS	8260D	Water	T	1 uL	5.38 uL				5.38 uL
410-164764-A-6 MSD	HD-COD-SW-15-0/1-0MSD	8260D	Water	T	1 uL	5.38 uL				5.38 uL
410-164764-A-1	HD-COD-SW-6-0/1-0	8260D	Water	T	1 uL					
410-164764-A-2	HD-COD-SW-7-0/1-0	8260D	Water	T	1 uL					
410-164764-A-3	HD-COD-SW-8-0/1-0	8260D	Water	T	1 uL					
410-164764-A-4	HD-COD-SW-9-0/1-0	8260D	Water	T	1 uL					
410-164764-A-5	HD-COD-SW-13-0/1-0	8260D	Water	T	1 uL					
410-164764-A-7	HD-COD-SW-16-0/1-0	8260D	Water	T	1 uL					
410-164764-A-8	HD-COD-SW-17-0/1-0	8260D	Water	T	1 uL					
410-164764-B-8	HD-COD-SW-17-0/1-0	8260D	Water	T	1 uL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00016					
BFB 410-486836/1		8260D			1 uL					
CCVIS 410-486836/3		8260D								
LCS 410-486836/4		8260D								
MB 410-486836/6		8260D								
410-164764-A-6	HD-COD-SW-15-0/1-0	8260D	Water	T						
410-164764-A-6 MS	HD-COD-SW-15-0/1-0MS	8260D	Water	T						
410-164764-A-6 MSD	HD-COD-SW-15-0/1-0MSD	8260D	Water	T						
410-164764-A-1	HD-COD-SW-6-0/1-0	8260D	Water	T						
410-164764-A-2	HD-COD-SW-7-0/1-0	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.: 410-164764-1

SDG No.:

Batch Number: 486836 | Batch Start Date: 03/25/24 18:52 | Batch Analyst: Walmer, Gavin

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00016					
410-164764-A-3	HD-COD-SW-8-0/1-0	8260D	Water	T						
410-164764-A-4	HD-COD-SW-9-0/1-0	8260D	Water	T						
410-164764-A-5	HD-COD-SW-13-0/1-0	8260D	Water	T						
410-164764-A-7	HD-COD-SW-16-0/1-0	8260D	Water	T						
410-164764-A-8	HD-COD-SW-17-0/1-0	8260D	Water	T						
410-164764-B-8	HD-COD-SW-17-0/1-0	8260D	Water	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-164764-1

SDG No.:

Batch Number: 487558 | Batch Start Date: 03/27/24 09:59 | Batch Analyst: Mellinger, Corie M

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	Headspace	Lot#Vial
BFB 410-487558/1		8260D			1 uL	1 uL				
CCVIS 410-487558/3		8260D			25 mL	25 mL				2731
LCS 410-487558/5		8260D			25 mL	25 mL				2731
MB 410-487558/7		8260D			25 mL	25 mL				2731
410-164764-A-9	HD-COD-SW-26-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-164764-A-10	HD-COD-SW-27-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	LCS_ETBR 00007	MSV_HP25_ISSS 00086	MSV_LCS_ACROL 00160	MSV_LCS_EE 00008	MSV_LCS_Penta 00040	MSV_LCS_VOC#1 00159
BFB 410-487558/1		8260D								
CCVIS 410-487558/3		8260D				1 uL				
LCS 410-487558/5		8260D			12.5 uL	1 uL	12.5 uL	12.5 uL	12.5 uL	12.5 uL
MB 410-487558/7		8260D				1 uL				
410-164764-A-9	HD-COD-SW-26-0/1-0	8260D	Water	T		1 uL				
410-164764-A-10	HD-COD-SW-27-0/1-0	8260D	Water	T		1 uL				

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LL_#1_826 00121	MSV_LL_#2_826 00131	MSV_LL_GAS826 00200	MSV_QC_Gas826 00190	MSV_V_BFB 00016	
BFB 410-487558/1		8260D							1 uL	
CCVIS 410-487558/3		8260D			20 uL	20 uL	20 uL			
LCS 410-487558/5		8260D						12.5 uL		
MB 410-487558/7		8260D								
410-164764-A-9	HD-COD-SW-26-0/1-0	8260D	Water	T						
410-164764-A-10	HD-COD-SW-27-0/1-0	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.: 410-164764-1

SDG No.:

Batch Number: 487558 | Batch Start Date: 03/27/24 09:59 | Batch Analyst: Mellinger, Corie M

Batch Method: 8260D | Batch End Date:

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-164764-1

SDG No.:

Batch Number: 487972 | Batch Start Date: 03/28/24 07:25 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	Headspace	Lot#Vial
BFB 410-487972/1		8260D			1 uL	1 uL				
CCVIS 410-487972/3		8260D			25 mL	25 mL				2731
LCS 410-487972/4		8260D			25 mL	25 mL				2731
LCSD 410-487972/5		8260D			25 mL	25 mL				2731
MB 410-487972/7		8260D			25 mL	25 mL				2731
410-164764-A-14	HD-QC1-0/1-2	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-164764-A-11	HD-COD-SW-28-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-164764-A-12	HD-COD-SW-29-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-164764-A-13	HD-QC1-0/1-1	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-164764-B-13	HD-QC1-0/1-1	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	2731

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_EE 00008	MSV_LCS_VOC#1 00159	MSV_LL_#1_826 00121	MSV_LL_#2_826 00128	MSV_LL_GAS826 00200	MSV_LLcentISS 00012
BFB 410-487972/1		8260D								
CCVIS 410-487972/3		8260D					20 uL	20 uL	20 uL	5 uL
LCS 410-487972/4		8260D			12.5 uL	12.5 uL				5 uL
LCSD 410-487972/5		8260D			12.5 uL	12.5 uL				5 uL
MB 410-487972/7		8260D								5 uL
410-164764-A-14	HD-QC1-0/1-2	8260D	Water	T						5 uL
410-164764-A-11	HD-COD-SW-28-0/1-0	8260D	Water	T						5 uL
410-164764-A-12	HD-COD-SW-29-0/1-0	8260D	Water	T						5 uL
410-164764-A-13	HD-QC1-0/1-1	8260D	Water	T						5 uL
410-164764-B-13	HD-QC1-0/1-1	8260D	Water	T						5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_QC_Gas826 00190	MSV_V_BFB 00016				

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.: 410-164764-1

SDG No.:

Batch Number: 487972 | Batch Start Date: 03/28/24 07:25 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_QC_Gas826 00190	MSV_V_BFB 00016				
BFB 410-487972/1		8260D				1 uL				
CCVIS 410-487972/3		8260D								
LCS 410-487972/4		8260D			12.5 uL					
LCSD 410-487972/5		8260D			12.5 uL					
MB 410-487972/7		8260D								
410-164764-A-14	HD-QC1-0/1-2	8260D	Water	T						
410-164764-A-11	HD-COD-SW-28-0/ 1-0	8260D	Water	T						
410-164764-A-12	HD-COD-SW-29-0/ 1-0	8260D	Water	T						
410-164764-A-13	HD-QC1-0/1-1	8260D	Water	T						
410-164764-B-13	HD-QC1-0/1-1	8260D	Water	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

410-164764 Chain of Custody

nvironm

Chain of Custody Record

370472 HARRISBURG PA

eurofins | Environment Testing

Christopher O'Neil	Sampler: CASEY LITTLEFIELD/LUCAS GEIMAN	Lab PM: Damiter, Marrissa C	Carrier Tracking No(s):	COC No: 410-116349-21802.2
	Phone: 717-395-3150 / 717-636-3448	E-Mail: Marrissa.Damiter@et.eurofinsus.com	State of Origin: PA	Page: Page 2 of 2 → 1 of 2
Company: Groundwater Sciences Corporation	PWSID:	Analysis Requested		Job #: 10012.52
Address: 2550 Interstate Drive Suite 303	Due Date Requested: STANDARD			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)
City: Harrisburg	TAT Requested (days): STANDARD			
State, Zip: PA, 17110	Compliance Project: Δ Yes Δ No			
Phone: 717-756-1246	PO #: Purchase Order not required			
Email: coneil@groundwatersciences.com	WO #:			
Project Name: fYNOP	Project #: 41001716 10012.52			
Site: Former York Naval Ordnance Plant	SSOW#:			Other:

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)	8260B_LL - DAPP List LL, updated 12012020 (minus 14)	8260B - DAPP List SL, updated 12012020 (ml)	8260C - DAPP List SL, updated 08232019 (ml)	Aqueous VOCs via 8260D (low level) - 25 mL purge	Special Instructions/Note:
HD-COD-SW-6-0/1-0	3/20/2024	0905	G	Water	N	N				3	All samples
HD-COD-SW-7-0/1-0		1009		Water		N				3	preserved on ice
HD-COD-SW-8-0/1-0		0802		Water		N				3	
HD-COD-SW-9-0/1-0		1120		Water		N				3	
~~HD-COD-SW-10~~ HD-COD-SW-13-0/1-0		0817		Water		N				3	
HD-COD-SW-15-0/1-0		1032		Water		Y				3	
HD-COD-SW-15-0/1-0 MS		1032		Water		Y				3	
HD-COD-SW-15-0/1-0 MSD		1032		Water		Y				3	
HD-COD-SW-16-0/1-0		0835		Water		N				3	
HD-COD-SW-17-0/1-0		0845		Water		N				3	
HD-COD-SW-26-0/1-0		0950		Water		N				3	

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: 3/20/2024 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 ECLE
Relinquished by:	Date/Time: 3/20/24 1710	Company ECLE	Received by:	Date/Time: 3/20/24 1710	Company

Custody Seals Intact: ☒ Yes Δ No | Custody Seal No.: 221408?

Cooler Temperature(s) °C and Other Remarks: FOW 1.2°C / IOCC 1.3°C

Ver: 06/08/2021

370472

HARRISBURG PA

Eurofins Lancaster Laboratories Environme
2425 New Holland Pike
Lancaster, PA 17601
Phone: 717-656-2300 Fax: 717-656-2681

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Casey Littlefield / Lucas Grimm	Lab PM: Damiter, Marrissa C	Carrier Tracking No(s):	COC No: 410-116349-21802.3
Client Contact: Christopher O'Neil	Phone: 717-345-3150 / 717-636-3447	E-Mail: Marrissa.Damiter@et.eurofinsus.com	State of Origin: PA	Page: ~~Page 3 of 3~~ 2 of 2
Company: Groundwater Sciences Corporation	PWSID:	Analysis Requested		Job #: 10012.52
Address: 2550 Interstate Drive Suite 303	Due Date Requested: STANDARD			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:
City: Harrisburg	TAT Requested (days): STANDARD			
State, Zip: PA, 17110	Compliance Project: Δ Yes Δ No			
Phone: 717-756-1246	PO #: Purchase Order not required			
Email: coneil@groundwatersciences.com	WO #:			
Project Name: fYNOP	Project #: ~~41001716~~ LA 10012.52			
Site: Former York Naval Ordinance Plant	SSOW#:			

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)	8260D_LL-GAPP List LL, updated 12012020 (minus 14) LA	8260B - GAPP List BL, updated 10012020 (mi) LA	8260C - GAPP List SL, updated 08232013 (ml) LA	Arsenic VOCs via 8260D (low level - 25 mL purge)	Total Number of containers	Special Instructions/Note:
			Preservation Code:			A	A	A			
HD-COD-SW-27-0/1-0	3/20/2024	1025	G	Water	N	N			3		
HD-COD-SW-28-0/1-0		1137		Water					3		
HD-COD-SW-29-0/1-0		0750		Water					3		
HD-QC1-0/1-1		1000		Water					3		
HD-QC1-0/1-2		1200		Water					2		TRIP BLANK
				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:	Company	Received by:	Date/Time:	Company
1		3/20/2024 1245	GSC		3/20/24 1245	ETA
2		3/20/24 1510	ETA		3/20/24 1510	ELE
3		3/20/24 1710	ELE		3/20/24 1710	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 2214087

Cooler Temperature(s) °C and Other Remarks: FedEx 1.2 / Cont 1.3c

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Groundwater Sciences Corporation

Job Number: 410-164764-1

Login Number: 164764

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	