

 **ANALYTICAL REPORT****PREPARED FOR**

Attn: Christopher O'Neil
Groundwater Sciences Corporation
2550 Interstate Drive
Suite 303
Harrisburg PA 17110
Generated 5/12/2023 8:06 AM

JOB DESCRIPTION

fYNOP Monthly Surface Water

JOB NUMBER

410-124489-1

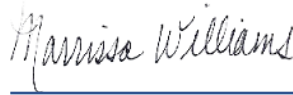
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Job Notes

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



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Authorized for release by
Marrison Williams, Project Manager
Marrison.Williams@et.eurofinsus.com
Designee for
Marrison C Williams, Project Manager
Marrison.Williams@et.eurofinsus.com
717 556-7246

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Definitions/Glossary

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

Job ID: 410-124489-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^c	CCV Recovery is outside acceptance limits.
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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
410-124489-1

Receipt

The samples were received on 4/27/2023 4:37 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 2.6°C

GC/MS VOA

Method 8260D_LL: The continuing calibration verification (CCV) analyzed on 410-371870 is compliant under 8260C/D method criteria for Carbon disulfide . The software does not display the % Drift data to the whole number as is listed in the method (i.e. limit of 20%). When applying the evaluation to a whole number, the check passes the criteria with a value of 20% Drift.

Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 410-371870 recovered outside acceptance criteria, low biased, for Bromomethane and Chloroethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 410-372041 recovered outside acceptance criteria, low biased, for Bromomethane, Chloroethane, Chloromethane and Vinyl chloride. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

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

Detection Summary

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

Job ID: 410-124489-1

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

Lab Sample ID: 410-124489-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.7	J	5.0	1.0	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-124489-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.6		5.0	1.0	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.14	J	0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	0.12	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-124489-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.9	J	5.0	1.0	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.089	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.32	J	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.080	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-124489-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.0		5.0	1.0	ug/L	1		8260D	Total/NA
Chloromethane	0.14	J	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.11	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.20	J	0.50	0.20	ug/L	1		8260D	Total/NA
Toluene	0.11	J	0.50	0.080	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-13-0/1-0

Lab Sample ID: 410-124489-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.3		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	0.10	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.68		0.50	0.20	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-124489-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.25	J	0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.18	J	0.50	0.10	ug/L	1		8260D	Total/NA
Acetone	1.8	J	5.0	1.0	ug/L	1		8260D	Total/NA
Chloroform	0.22	J	0.50	0.090	ug/L	1		8260D	Total/NA
Chloromethane	0.12	J	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	1.2		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	4.6		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	1.1		0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-124489-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.3		5.0	1.0	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.11	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.83		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.096	J	0.50	0.080	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 410-124489-1

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

Lab Sample ID: 410-124489-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	3.6		0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.78		0.50	0.10	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.38	J	0.50	0.10	ug/L	1		8260D	Total/NA
Acetone	1.7	J	5.0	1.0	ug/L	1		8260D	Total/NA
Chloroform	0.17	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	2.1		0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	2.3		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene - DL	44		5.0	2.0	ug/L	10		8260D	Total/NA

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

Lab Sample ID: 410-124489-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.8	J	5.0	1.0	ug/L	1		8260D	Total/NA
Chloroform	0.17	J	0.50	0.090	ug/L	1		8260D	Total/NA
Chloromethane	0.10	J	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.10	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.99		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.11	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-124489-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.3		5.0	1.0	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.13	J	0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	0.10	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-124489-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.7	J	5.0	1.0	ug/L	1		8260D	Total/NA
Chloromethane	0.12	J ^c cn	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.16	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.21	J	0.50	0.20	ug/L	1		8260D	Total/NA
Toluene	0.10	J	0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	0.11	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-124489-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.7		5.0	1.0	ug/L	1		8260D	Total/NA
Chloromethane	0.11	J ^c cn	0.50	0.10	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.20	J	0.50	0.20	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-124489-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	3.6		0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.77		0.50	0.10	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.38	J	0.50	0.10	ug/L	1		8260D	Total/NA
Acetone	1.7	J	5.0	1.0	ug/L	1		8260D	Total/NA
Chloroform	0.17	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	2.0		0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	2.4		0.50	0.080	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 410-124489-1

Client Sample ID: HD-QC1-0/1-1 (Continued)

Lab Sample ID: 410-124489-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene - DL	49		5.0	2.0	ug/L	10		8260D	Total/NA

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

Lab Sample ID: 410-124489-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.0	J	5.0	1.0	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: 410-124489-1

Date Collected: 04/27/23 11:15

Matrix: Water

Date Received: 04/27/23 16:37

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			05/04/23 01:17	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 01:17	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/04/23 01:17	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 01:17	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/04/23 01:17	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 01:17	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/04/23 01:17	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/04/23 01:17	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/04/23 01:17	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/04/23 01:17	1
2-Hexanone	ND		5.0	0.10	ug/L			05/04/23 01:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/04/23 01:17	1
Acetone	4.7	J	5.0	1.0	ug/L			05/04/23 01:17	1
Benzene	ND		0.50	0.10	ug/L			05/04/23 01:17	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/04/23 01:17	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/04/23 01:17	1
Bromoform	ND		1.0	0.30	ug/L			05/04/23 01:17	1
Bromomethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 01:17	1
Carbon disulfide	ND	^c cn	1.0	0.10	ug/L			05/04/23 01:17	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/04/23 01:17	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/04/23 01:17	1
Chloroethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 01:17	1
Chloroform	ND		0.50	0.090	ug/L			05/04/23 01:17	1
Chloromethane	ND		0.50	0.10	ug/L			05/04/23 01:17	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/04/23 01:17	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/04/23 01:17	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/04/23 01:17	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/04/23 01:17	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/04/23 01:17	1
Methylene Chloride	ND		0.50	0.10	ug/L			05/04/23 01:17	1
Styrene	ND		0.50	0.070	ug/L			05/04/23 01:17	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/04/23 01:17	1
Toluene	ND		0.50	0.080	ug/L			05/04/23 01:17	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 01:17	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/04/23 01:17	1
Trichloroethene	ND		0.50	0.080	ug/L			05/04/23 01:17	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/04/23 01:17	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/04/23 01:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		05/04/23 01:17	1
4-Bromofluorobenzene (Surr)	94		80 - 120		05/04/23 01:17	1
Dibromofluoromethane (Surr)	95		80 - 120		05/04/23 01:17	1
Toluene-d8 (Surr)	109		80 - 120		05/04/23 01:17	1

Client Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: 410-124489-2

Date Collected: 04/27/23 11:55

Matrix: Water

Date Received: 04/27/23 16:37

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			05/04/23 01:39	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 01:39	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/04/23 01:39	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 01:39	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/04/23 01:39	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 01:39	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/04/23 01:39	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/04/23 01:39	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/04/23 01:39	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/04/23 01:39	1
2-Hexanone	ND		5.0	0.10	ug/L			05/04/23 01:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/04/23 01:39	1
Acetone	5.6		5.0	1.0	ug/L			05/04/23 01:39	1
Benzene	ND		0.50	0.10	ug/L			05/04/23 01:39	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/04/23 01:39	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/04/23 01:39	1
Bromoform	ND		1.0	0.30	ug/L			05/04/23 01:39	1
Bromomethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 01:39	1
Carbon disulfide	ND	^c cn	1.0	0.10	ug/L			05/04/23 01:39	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/04/23 01:39	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/04/23 01:39	1
Chloroethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 01:39	1
Chloroform	ND		0.50	0.090	ug/L			05/04/23 01:39	1
Chloromethane	ND		0.50	0.10	ug/L			05/04/23 01:39	1
cis-1,2-Dichloroethene	0.14	J	0.50	0.080	ug/L			05/04/23 01:39	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/04/23 01:39	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/04/23 01:39	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/04/23 01:39	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/04/23 01:39	1
Methylene Chloride	ND		0.50	0.10	ug/L			05/04/23 01:39	1
Styrene	ND		0.50	0.070	ug/L			05/04/23 01:39	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/04/23 01:39	1
Toluene	ND		0.50	0.080	ug/L			05/04/23 01:39	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 01:39	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/04/23 01:39	1
Trichloroethene	0.12	J	0.50	0.080	ug/L			05/04/23 01:39	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/04/23 01:39	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/04/23 01:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		05/04/23 01:39	1
4-Bromofluorobenzene (Surr)	95		80 - 120		05/04/23 01:39	1
Dibromofluoromethane (Surr)	94		80 - 120		05/04/23 01:39	1
Toluene-d8 (Surr)	110		80 - 120		05/04/23 01:39	1

Client Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: 410-124489-3

Date Collected: 04/27/23 10:10

Matrix: Water

Date Received: 04/27/23 16:37

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			05/04/23 02:01	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 02:01	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/04/23 02:01	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 02:01	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/04/23 02:01	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 02:01	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/04/23 02:01	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/04/23 02:01	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/04/23 02:01	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/04/23 02:01	1
2-Hexanone	ND		5.0	0.10	ug/L			05/04/23 02:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/04/23 02:01	1
Acetone	4.9	J	5.0	1.0	ug/L			05/04/23 02:01	1
Benzene	ND		0.50	0.10	ug/L			05/04/23 02:01	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/04/23 02:01	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/04/23 02:01	1
Bromoform	ND		1.0	0.30	ug/L			05/04/23 02:01	1
Bromomethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 02:01	1
Carbon disulfide	ND	^c cn	1.0	0.10	ug/L			05/04/23 02:01	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/04/23 02:01	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/04/23 02:01	1
Chloroethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 02:01	1
Chloroform	ND		0.50	0.090	ug/L			05/04/23 02:01	1
Chloromethane	ND		0.50	0.10	ug/L			05/04/23 02:01	1
cis-1,2-Dichloroethene	0.089	J	0.50	0.080	ug/L			05/04/23 02:01	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/04/23 02:01	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/04/23 02:01	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/04/23 02:01	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/04/23 02:01	1
Methylene Chloride	ND		0.50	0.10	ug/L			05/04/23 02:01	1
Styrene	ND		0.50	0.070	ug/L			05/04/23 02:01	1
Tetrachloroethene	0.32	J	0.50	0.20	ug/L			05/04/23 02:01	1
Toluene	ND		0.50	0.080	ug/L			05/04/23 02:01	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 02:01	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/04/23 02:01	1
Trichloroethene	0.080	J	0.50	0.080	ug/L			05/04/23 02:01	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/04/23 02:01	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/04/23 02:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		80 - 120		05/04/23 02:01	1
4-Bromofluorobenzene (Surr)	93		80 - 120		05/04/23 02:01	1
Dibromofluoromethane (Surr)	94		80 - 120		05/04/23 02:01	1
Toluene-d8 (Surr)	108		80 - 120		05/04/23 02:01	1

Client Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: 410-124489-4

Date Collected: 04/27/23 13:48

Matrix: Water

Date Received: 04/27/23 16:37

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			05/04/23 02:24	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 02:24	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/04/23 02:24	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 02:24	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/04/23 02:24	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 02:24	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/04/23 02:24	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/04/23 02:24	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/04/23 02:24	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/04/23 02:24	1
2-Hexanone	ND		5.0	0.10	ug/L			05/04/23 02:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/04/23 02:24	1
Acetone	5.0		5.0	1.0	ug/L			05/04/23 02:24	1
Benzene	ND		0.50	0.10	ug/L			05/04/23 02:24	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/04/23 02:24	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/04/23 02:24	1
Bromoform	ND		1.0	0.30	ug/L			05/04/23 02:24	1
Bromomethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 02:24	1
Carbon disulfide	ND	^c cn	1.0	0.10	ug/L			05/04/23 02:24	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/04/23 02:24	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/04/23 02:24	1
Chloroethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 02:24	1
Chloroform	ND		0.50	0.090	ug/L			05/04/23 02:24	1
Chloromethane	0.14	J	0.50	0.10	ug/L			05/04/23 02:24	1
cis-1,2-Dichloroethene	0.11	J	0.50	0.080	ug/L			05/04/23 02:24	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/04/23 02:24	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/04/23 02:24	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/04/23 02:24	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/04/23 02:24	1
Methylene Chloride	ND		0.50	0.10	ug/L			05/04/23 02:24	1
Styrene	ND		0.50	0.070	ug/L			05/04/23 02:24	1
Tetrachloroethene	0.20	J	0.50	0.20	ug/L			05/04/23 02:24	1
Toluene	0.11	J	0.50	0.080	ug/L			05/04/23 02:24	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 02:24	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/04/23 02:24	1
Trichloroethene	0.10	J	0.50	0.080	ug/L			05/04/23 02:24	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/04/23 02:24	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/04/23 02:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		05/04/23 02:24	1
4-Bromofluorobenzene (Surr)	95		80 - 120		05/04/23 02:24	1
Dibromofluoromethane (Surr)	94		80 - 120		05/04/23 02:24	1
Toluene-d8 (Surr)	108		80 - 120		05/04/23 02:24	1

Client Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: 410-124489-5

Date Collected: 04/27/23 10:25

Matrix: Water

Date Received: 04/27/23 16:37

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			05/04/23 02:46	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 02:46	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/04/23 02:46	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 02:46	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/04/23 02:46	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 02:46	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/04/23 02:46	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/04/23 02:46	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/04/23 02:46	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/04/23 02:46	1
2-Hexanone	ND		5.0	0.10	ug/L			05/04/23 02:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/04/23 02:46	1
Acetone	5.3		5.0	1.0	ug/L			05/04/23 02:46	1
Benzene	ND		0.50	0.10	ug/L			05/04/23 02:46	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/04/23 02:46	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/04/23 02:46	1
Bromoform	ND		1.0	0.30	ug/L			05/04/23 02:46	1
Bromomethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 02:46	1
Carbon disulfide	ND	^c cn	1.0	0.10	ug/L			05/04/23 02:46	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/04/23 02:46	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/04/23 02:46	1
Chloroethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 02:46	1
Chloroform	ND		0.50	0.090	ug/L			05/04/23 02:46	1
Chloromethane	0.10	J	0.50	0.10	ug/L			05/04/23 02:46	1
cis-1,2-Dichloroethene	0.10	J	0.50	0.080	ug/L			05/04/23 02:46	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/04/23 02:46	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/04/23 02:46	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/04/23 02:46	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/04/23 02:46	1
Methylene Chloride	ND		0.50	0.10	ug/L			05/04/23 02:46	1
Styrene	ND		0.50	0.070	ug/L			05/04/23 02:46	1
Tetrachloroethene	0.68		0.50	0.20	ug/L			05/04/23 02:46	1
Toluene	ND		0.50	0.080	ug/L			05/04/23 02:46	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 02:46	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/04/23 02:46	1
Trichloroethene	ND		0.50	0.080	ug/L			05/04/23 02:46	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/04/23 02:46	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/04/23 02:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		80 - 120		05/04/23 02:46	1
4-Bromofluorobenzene (Surr)	94		80 - 120		05/04/23 02:46	1
Dibromofluoromethane (Surr)	94		80 - 120		05/04/23 02:46	1
Toluene-d8 (Surr)	109		80 - 120		05/04/23 02:46	1

Client Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: 410-124489-6

Date Collected: 04/27/23 12:15

Matrix: Water

Date Received: 04/27/23 16:37

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			05/03/23 23:48	1
1,1,1-Trichloroethane	0.25	J	0.50	0.080	ug/L			05/03/23 23:48	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/03/23 23:48	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/03/23 23:48	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/03/23 23:48	1
1,1-Dichloroethene	0.18	J	0.50	0.10	ug/L			05/03/23 23:48	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/03/23 23:48	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/03/23 23:48	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/03/23 23:48	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/03/23 23:48	1
2-Hexanone	ND		5.0	0.10	ug/L			05/03/23 23:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/03/23 23:48	1
Acetone	1.8	J	5.0	1.0	ug/L			05/03/23 23:48	1
Benzene	ND		0.50	0.10	ug/L			05/03/23 23:48	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/03/23 23:48	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/03/23 23:48	1
Bromoform	ND		1.0	0.30	ug/L			05/03/23 23:48	1
Bromomethane	ND	^c cn	0.50	0.10	ug/L			05/03/23 23:48	1
Carbon disulfide	ND	^c cn	1.0	0.10	ug/L			05/03/23 23:48	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/03/23 23:48	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/03/23 23:48	1
Chloroethane	ND	^c cn	0.50	0.10	ug/L			05/03/23 23:48	1
Chloroform	0.22	J	0.50	0.090	ug/L			05/03/23 23:48	1
Chloromethane	0.12	J	0.50	0.10	ug/L			05/03/23 23:48	1
cis-1,2-Dichloroethene	1.2		0.50	0.080	ug/L			05/03/23 23:48	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/03/23 23:48	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/03/23 23:48	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/03/23 23:48	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/03/23 23:48	1
Methylene Chloride	ND		0.50	0.10	ug/L			05/03/23 23:48	1
Styrene	ND		0.50	0.070	ug/L			05/03/23 23:48	1
Tetrachloroethene	4.6		0.50	0.20	ug/L			05/03/23 23:48	1
Toluene	ND		0.50	0.080	ug/L			05/03/23 23:48	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/03/23 23:48	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/03/23 23:48	1
Trichloroethene	1.1		0.50	0.080	ug/L			05/03/23 23:48	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/03/23 23:48	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/03/23 23:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		05/03/23 23:48	1
4-Bromofluorobenzene (Surr)	94		80 - 120		05/03/23 23:48	1
Dibromofluoromethane (Surr)	94		80 - 120		05/03/23 23:48	1
Toluene-d8 (Surr)	108		80 - 120		05/03/23 23:48	1

Client Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: 410-124489-7

Date Collected: 04/27/23 10:45

Matrix: Water

Date Received: 04/27/23 16:37

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			05/04/23 03:08	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 03:08	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/04/23 03:08	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 03:08	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/04/23 03:08	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 03:08	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/04/23 03:08	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/04/23 03:08	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/04/23 03:08	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/04/23 03:08	1
2-Hexanone	ND		5.0	0.10	ug/L			05/04/23 03:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/04/23 03:08	1
Acetone	5.3		5.0	1.0	ug/L			05/04/23 03:08	1
Benzene	ND		0.50	0.10	ug/L			05/04/23 03:08	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/04/23 03:08	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/04/23 03:08	1
Bromoform	ND		1.0	0.30	ug/L			05/04/23 03:08	1
Bromomethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 03:08	1
Carbon disulfide	ND	^c cn	1.0	0.10	ug/L			05/04/23 03:08	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/04/23 03:08	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/04/23 03:08	1
Chloroethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 03:08	1
Chloroform	ND		0.50	0.090	ug/L			05/04/23 03:08	1
Chloromethane	ND		0.50	0.10	ug/L			05/04/23 03:08	1
cis-1,2-Dichloroethene	0.11	J	0.50	0.080	ug/L			05/04/23 03:08	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/04/23 03:08	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/04/23 03:08	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/04/23 03:08	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/04/23 03:08	1
Methylene Chloride	ND		0.50	0.10	ug/L			05/04/23 03:08	1
Styrene	ND		0.50	0.070	ug/L			05/04/23 03:08	1
Tetrachloroethene	0.83		0.50	0.20	ug/L			05/04/23 03:08	1
Toluene	ND		0.50	0.080	ug/L			05/04/23 03:08	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 03:08	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/04/23 03:08	1
Trichloroethene	0.096	J	0.50	0.080	ug/L			05/04/23 03:08	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/04/23 03:08	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/04/23 03:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		05/04/23 03:08	1
4-Bromofluorobenzene (Surr)	95		80 - 120		05/04/23 03:08	1
Dibromofluoromethane (Surr)	95		80 - 120		05/04/23 03:08	1
Toluene-d8 (Surr)	108		80 - 120		05/04/23 03:08	1

Client Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: 410-124489-8

Date Collected: 04/27/23 10:55

Matrix: Water

Date Received: 04/27/23 16:37

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			05/04/23 03:31	1
1,1,1-Trichloroethane	3.6		0.50	0.080	ug/L			05/04/23 03:31	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/04/23 03:31	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 03:31	1
1,1-Dichloroethane	0.78		0.50	0.10	ug/L			05/04/23 03:31	1
1,1-Dichloroethene	0.38	J	0.50	0.10	ug/L			05/04/23 03:31	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/04/23 03:31	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/04/23 03:31	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/04/23 03:31	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/04/23 03:31	1
2-Hexanone	ND		5.0	0.10	ug/L			05/04/23 03:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/04/23 03:31	1
Acetone	1.7	J	5.0	1.0	ug/L			05/04/23 03:31	1
Benzene	ND		0.50	0.10	ug/L			05/04/23 03:31	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/04/23 03:31	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/04/23 03:31	1
Bromoform	ND		1.0	0.30	ug/L			05/04/23 03:31	1
Bromomethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 03:31	1
Carbon disulfide	ND	^c cn	1.0	0.10	ug/L			05/04/23 03:31	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/04/23 03:31	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/04/23 03:31	1
Chloroethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 03:31	1
Chloroform	0.17	J	0.50	0.090	ug/L			05/04/23 03:31	1
Chloromethane	ND		0.50	0.10	ug/L			05/04/23 03:31	1
cis-1,2-Dichloroethene	2.1		0.50	0.080	ug/L			05/04/23 03:31	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/04/23 03:31	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/04/23 03:31	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/04/23 03:31	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/04/23 03:31	1
Methylene Chloride	ND		0.50	0.10	ug/L			05/04/23 03:31	1
Styrene	ND		0.50	0.070	ug/L			05/04/23 03:31	1
Toluene	ND		0.50	0.080	ug/L			05/04/23 03:31	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 03:31	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/04/23 03:31	1
Trichloroethene	2.3		0.50	0.080	ug/L			05/04/23 03:31	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/04/23 03:31	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/04/23 03:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		05/04/23 03:31	1
4-Bromofluorobenzene (Surr)	94		80 - 120		05/04/23 03:31	1
Dibromofluoromethane (Surr)	95		80 - 120		05/04/23 03:31	1
Toluene-d8 (Surr)	108		80 - 120		05/04/23 03:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	44		5.0	2.0	ug/L			05/05/23 04:37	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		05/05/23 04:37	10

Client Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: 410-124489-8

Date Collected: 04/27/23 10:55

Matrix: Water

Date Received: 04/27/23 16:37

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		80 - 120		05/05/23 04:37	10
Dibromofluoromethane (Surr)	105		80 - 120		05/05/23 04:37	10
Toluene-d8 (Surr)	99		80 - 120		05/05/23 04:37	10

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

Lab Sample ID: 410-124489-9

Date Collected: 04/27/23 11:38

Matrix: Water

Date Received: 04/27/23 16:37

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			05/04/23 03:53	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 03:53	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/04/23 03:53	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 03:53	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/04/23 03:53	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 03:53	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/04/23 03:53	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/04/23 03:53	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/04/23 03:53	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/04/23 03:53	1
2-Hexanone	ND		5.0	0.10	ug/L			05/04/23 03:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/04/23 03:53	1
Acetone	4.8	J	5.0	1.0	ug/L			05/04/23 03:53	1
Benzene	ND		0.50	0.10	ug/L			05/04/23 03:53	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/04/23 03:53	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/04/23 03:53	1
Bromoform	ND		1.0	0.30	ug/L			05/04/23 03:53	1
Bromomethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 03:53	1
Carbon disulfide	ND	^c cn	1.0	0.10	ug/L			05/04/23 03:53	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/04/23 03:53	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/04/23 03:53	1
Chloroethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 03:53	1
Chloroform	0.17	J	0.50	0.090	ug/L			05/04/23 03:53	1
Chloromethane	0.10	J	0.50	0.10	ug/L			05/04/23 03:53	1
cis-1,2-Dichloroethene	0.10	J	0.50	0.080	ug/L			05/04/23 03:53	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/04/23 03:53	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/04/23 03:53	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/04/23 03:53	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/04/23 03:53	1
Methylene Chloride	ND		0.50	0.10	ug/L			05/04/23 03:53	1
Styrene	ND		0.50	0.070	ug/L			05/04/23 03:53	1
Tetrachloroethene	0.99		0.50	0.20	ug/L			05/04/23 03:53	1
Toluene	ND		0.50	0.080	ug/L			05/04/23 03:53	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 03:53	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/04/23 03:53	1
Trichloroethene	0.11	J	0.50	0.080	ug/L			05/04/23 03:53	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/04/23 03:53	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/04/23 03:53	1

Client Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: 410-124489-9

Date Collected: 04/27/23 11:38

Matrix: Water

Date Received: 04/27/23 16:37

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		05/04/23 03:53	1
4-Bromofluorobenzene (Surr)	95		80 - 120		05/04/23 03:53	1
Dibromofluoromethane (Surr)	95		80 - 120		05/04/23 03:53	1
Toluene-d8 (Surr)	109		80 - 120		05/04/23 03:53	1

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

Lab Sample ID: 410-124489-10

Date Collected: 04/27/23 12:07

Matrix: Water

Date Received: 04/27/23 16:37

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			05/04/23 04:15	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 04:15	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/04/23 04:15	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 04:15	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/04/23 04:15	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 04:15	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/04/23 04:15	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/04/23 04:15	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/04/23 04:15	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/04/23 04:15	1
2-Hexanone	ND		5.0	0.10	ug/L			05/04/23 04:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/04/23 04:15	1
Acetone	5.3		5.0	1.0	ug/L			05/04/23 04:15	1
Benzene	ND		0.50	0.10	ug/L			05/04/23 04:15	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/04/23 04:15	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/04/23 04:15	1
Bromoform	ND		1.0	0.30	ug/L			05/04/23 04:15	1
Bromomethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 04:15	1
Carbon disulfide	ND	^c cn	1.0	0.10	ug/L			05/04/23 04:15	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/04/23 04:15	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/04/23 04:15	1
Chloroethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 04:15	1
Chloroform	ND		0.50	0.090	ug/L			05/04/23 04:15	1
Chloromethane	ND		0.50	0.10	ug/L			05/04/23 04:15	1
cis-1,2-Dichloroethene	0.13	J	0.50	0.080	ug/L			05/04/23 04:15	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/04/23 04:15	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/04/23 04:15	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/04/23 04:15	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/04/23 04:15	1
Methylene Chloride	ND		0.50	0.10	ug/L			05/04/23 04:15	1
Styrene	ND		0.50	0.070	ug/L			05/04/23 04:15	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/04/23 04:15	1
Toluene	ND		0.50	0.080	ug/L			05/04/23 04:15	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 04:15	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/04/23 04:15	1
Trichloroethene	0.10	J	0.50	0.080	ug/L			05/04/23 04:15	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/04/23 04:15	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/04/23 04:15	1

Client Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: 410-124489-10

Date Collected: 04/27/23 12:07

Matrix: Water

Date Received: 04/27/23 16:37

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		05/04/23 04:15	1
4-Bromofluorobenzene (Surr)	94		80 - 120		05/04/23 04:15	1
Dibromofluoromethane (Surr)	93		80 - 120		05/04/23 04:15	1
Toluene-d8 (Surr)	108		80 - 120		05/04/23 04:15	1

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

Lab Sample ID: 410-124489-11

Date Collected: 04/27/23 14:00

Matrix: Water

Date Received: 04/27/23 16:37

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			05/04/23 14:52	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 14:52	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/04/23 14:52	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 14:52	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/04/23 14:52	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 14:52	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/04/23 14:52	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/04/23 14:52	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/04/23 14:52	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/04/23 14:52	1
2-Hexanone	ND		5.0	0.10	ug/L			05/04/23 14:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/04/23 14:52	1
Acetone	4.7	J	5.0	1.0	ug/L			05/04/23 14:52	1
Benzene	ND		0.50	0.10	ug/L			05/04/23 14:52	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/04/23 14:52	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/04/23 14:52	1
Bromoform	ND		1.0	0.30	ug/L			05/04/23 14:52	1
Bromomethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 14:52	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/04/23 14:52	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/04/23 14:52	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/04/23 14:52	1
Chloroethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 14:52	1
Chloroform	ND		0.50	0.090	ug/L			05/04/23 14:52	1
Chloromethane	0.12	J ^c cn	0.50	0.10	ug/L			05/04/23 14:52	1
cis-1,2-Dichloroethene	0.16	J	0.50	0.080	ug/L			05/04/23 14:52	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/04/23 14:52	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/04/23 14:52	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/04/23 14:52	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/04/23 14:52	1
Methylene Chloride	ND		0.50	0.10	ug/L			05/04/23 14:52	1
Styrene	ND		0.50	0.070	ug/L			05/04/23 14:52	1
Tetrachloroethene	0.21	J	0.50	0.20	ug/L			05/04/23 14:52	1
Toluene	0.10	J	0.50	0.080	ug/L			05/04/23 14:52	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 14:52	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/04/23 14:52	1
Trichloroethene	0.11	J	0.50	0.080	ug/L			05/04/23 14:52	1
Vinyl chloride	ND	^c cn	0.50	0.10	ug/L			05/04/23 14:52	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/04/23 14:52	1

Client Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: 410-124489-11

Date Collected: 04/27/23 14:00

Matrix: Water

Date Received: 04/27/23 16:37

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		05/04/23 14:52	1
4-Bromofluorobenzene (Surr)	92		80 - 120		05/04/23 14:52	1
Dibromofluoromethane (Surr)	94		80 - 120		05/04/23 14:52	1
Toluene-d8 (Surr)	108		80 - 120		05/04/23 14:52	1

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

Lab Sample ID: 410-124489-12

Date Collected: 04/27/23 09:55

Matrix: Water

Date Received: 04/27/23 16:37

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			05/04/23 15:15	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 15:15	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/04/23 15:15	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 15:15	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/04/23 15:15	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 15:15	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/04/23 15:15	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/04/23 15:15	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/04/23 15:15	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/04/23 15:15	1
2-Hexanone	ND		5.0	0.10	ug/L			05/04/23 15:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/04/23 15:15	1
Acetone	6.7		5.0	1.0	ug/L			05/04/23 15:15	1
Benzene	ND		0.50	0.10	ug/L			05/04/23 15:15	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/04/23 15:15	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/04/23 15:15	1
Bromoform	ND		1.0	0.30	ug/L			05/04/23 15:15	1
Bromomethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 15:15	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/04/23 15:15	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/04/23 15:15	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/04/23 15:15	1
Chloroethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 15:15	1
Chloroform	ND		0.50	0.090	ug/L			05/04/23 15:15	1
Chloromethane	0.11	J ^c cn	0.50	0.10	ug/L			05/04/23 15:15	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/04/23 15:15	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/04/23 15:15	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/04/23 15:15	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/04/23 15:15	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/04/23 15:15	1
Methylene Chloride	ND		0.50	0.10	ug/L			05/04/23 15:15	1
Styrene	ND		0.50	0.070	ug/L			05/04/23 15:15	1
Tetrachloroethene	0.20	J	0.50	0.20	ug/L			05/04/23 15:15	1
Toluene	ND		0.50	0.080	ug/L			05/04/23 15:15	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 15:15	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/04/23 15:15	1
Trichloroethene	ND		0.50	0.080	ug/L			05/04/23 15:15	1
Vinyl chloride	ND	^c cn	0.50	0.10	ug/L			05/04/23 15:15	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/04/23 15:15	1

Client Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: 410-124489-12

Date Collected: 04/27/23 09:55

Matrix: Water

Date Received: 04/27/23 16:37

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		05/04/23 15:15	1
4-Bromofluorobenzene (Surr)	94		80 - 120		05/04/23 15:15	1
Dibromofluoromethane (Surr)	93		80 - 120		05/04/23 15:15	1
Toluene-d8 (Surr)	109		80 - 120		05/04/23 15:15	1

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

Lab Sample ID: 410-124489-13

Date Collected: 04/27/23 12:00

Matrix: Water

Date Received: 04/27/23 16:37

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			05/04/23 15:37	1
1,1,1-Trichloroethane	3.6		0.50	0.080	ug/L			05/04/23 15:37	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/04/23 15:37	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 15:37	1
1,1-Dichloroethane	0.77		0.50	0.10	ug/L			05/04/23 15:37	1
1,1-Dichloroethene	0.38	J	0.50	0.10	ug/L			05/04/23 15:37	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/04/23 15:37	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/04/23 15:37	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/04/23 15:37	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/04/23 15:37	1
2-Hexanone	ND		5.0	0.10	ug/L			05/04/23 15:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/04/23 15:37	1
Acetone	1.7	J	5.0	1.0	ug/L			05/04/23 15:37	1
Benzene	ND		0.50	0.10	ug/L			05/04/23 15:37	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/04/23 15:37	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/04/23 15:37	1
Bromoform	ND		1.0	0.30	ug/L			05/04/23 15:37	1
Bromomethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 15:37	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/04/23 15:37	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/04/23 15:37	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/04/23 15:37	1
Chloroethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 15:37	1
Chloroform	0.17	J	0.50	0.090	ug/L			05/04/23 15:37	1
Chloromethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 15:37	1
cis-1,2-Dichloroethene	2.0		0.50	0.080	ug/L			05/04/23 15:37	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/04/23 15:37	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/04/23 15:37	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/04/23 15:37	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/04/23 15:37	1
Methylene Chloride	ND		0.50	0.10	ug/L			05/04/23 15:37	1
Styrene	ND		0.50	0.070	ug/L			05/04/23 15:37	1
Toluene	ND		0.50	0.080	ug/L			05/04/23 15:37	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 15:37	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/04/23 15:37	1
Trichloroethene	2.4		0.50	0.080	ug/L			05/04/23 15:37	1
Vinyl chloride	ND	^c cn	0.50	0.10	ug/L			05/04/23 15:37	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/04/23 15:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		05/04/23 15:37	1

Client Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: 410-124489-13

Date Collected: 04/27/23 12:00

Matrix: Water

Date Received: 04/27/23 16:37

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		80 - 120		05/04/23 15:37	1
Dibromofluoromethane (Surr)	92		80 - 120		05/04/23 15:37	1
Toluene-d8 (Surr)	107		80 - 120		05/04/23 15:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	49		5.0	2.0	ug/L			05/10/23 02:05	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		05/10/23 02:05	10
4-Bromofluorobenzene (Surr)	98		80 - 120		05/10/23 02:05	10
Dibromofluoromethane (Surr)	106		80 - 120		05/10/23 02:05	10
Toluene-d8 (Surr)	94		80 - 120		05/10/23 02:05	10

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

Lab Sample ID: 410-124489-14

Date Collected: 04/27/23 00:00

Matrix: Water

Date Received: 04/27/23 16:37

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			05/04/23 11:09	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 11:09	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/04/23 11:09	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 11:09	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/04/23 11:09	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 11:09	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/04/23 11:09	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/04/23 11:09	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/04/23 11:09	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/04/23 11:09	1
2-Hexanone	ND		5.0	0.10	ug/L			05/04/23 11:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/04/23 11:09	1
Acetone	2.0	J	5.0	1.0	ug/L			05/04/23 11:09	1
Benzene	ND		0.50	0.10	ug/L			05/04/23 11:09	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/04/23 11:09	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/04/23 11:09	1
Bromoform	ND		1.0	0.30	ug/L			05/04/23 11:09	1
Bromomethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 11:09	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/04/23 11:09	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/04/23 11:09	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/04/23 11:09	1
Chloroethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 11:09	1
Chloroform	ND		0.50	0.090	ug/L			05/04/23 11:09	1
Chloromethane	ND	^c cn	0.50	0.10	ug/L			05/04/23 11:09	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/04/23 11:09	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/04/23 11:09	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/04/23 11:09	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/04/23 11:09	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/04/23 11:09	1
Methylene Chloride	ND		0.50	0.10	ug/L			05/04/23 11:09	1

Client Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: 410-124489-14

Date Collected: 04/27/23 00:00

Matrix: Water

Date Received: 04/27/23 16:37

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			05/04/23 11:09	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/04/23 11:09	1
Toluene	ND		0.50	0.080	ug/L			05/04/23 11:09	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 11:09	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/04/23 11:09	1
Trichloroethene	ND		0.50	0.080	ug/L			05/04/23 11:09	1
Vinyl chloride	ND	^c cn	0.50	0.10	ug/L			05/04/23 11:09	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/04/23 11:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		05/04/23 11:09	1
4-Bromofluorobenzene (Surr)	94		80 - 120		05/04/23 11:09	1
Dibromofluoromethane (Surr)	94		80 - 120		05/04/23 11:09	1
Toluene-d8 (Surr)	107		80 - 120		05/04/23 11:09	1

Default Detection Limits

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

Job ID: 410-124489-1

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

Analyte	RL	MDL	Units
1,1,1,2-Tetrachloroethane	0.50	0.070	ug/L
1,1,1-Trichloroethane	0.50	0.080	ug/L
1,1,2,2-Tetrachloroethane	0.50	0.10	ug/L
1,1,2-Trichloroethane	0.50	0.080	ug/L
1,1-Dichloroethane	0.50	0.10	ug/L
1,1-Dichloroethene	0.50	0.10	ug/L
1,2-Dibromoethane (EDB)	0.50	0.080	ug/L
1,2-Dichloroethane	0.50	0.070	ug/L
1,2-Dichloropropane	0.50	0.10	ug/L
2-Butanone (MEK)	5.0	1.0	ug/L
2-Hexanone	5.0	0.10	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	0.10	ug/L
Styrene	0.50	0.070	ug/L
Tetrachloroethene	0.50	0.20	ug/L
Toluene	0.50	0.080	ug/L
trans-1,2-Dichloroethene	0.50	0.10	ug/L
trans-1,3-Dichloropropene	0.50	0.080	ug/L
Trichloroethene	0.50	0.080	ug/L
Vinyl chloride	0.50	0.10	ug/L
Xylenes, Total	1.0	0.070	ug/L

Surrogate Summary

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

Job ID: 410-124489-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	BFB (80-120)	DBFM (80-120)	TOL (80-120)
410-124489-1	HD-COD-SW-6-0/1-0	97	94	95	109
410-124489-2	HD-COD-SW-7-0/1-0	97	95	94	110
410-124489-3	HD-COD-SW-8-0/1-0	95	93	94	108
410-124489-4	HD-COD-SW-9-0/1-0	96	95	94	108
410-124489-5	HD-COD-SW-13-0/1-0	95	94	94	109
410-124489-6	HD-COD-SW-15-0/1-0	97	94	94	108
410-124489-6 MS	HD-COD-SW-15-0/1-0 MS	103	97	95	109
410-124489-6 MSD	HD-COD-SW-15-0/1-0 MSD	97	97	93	110
410-124489-7	HD-COD-SW-16-0/1-0	98	95	95	108
410-124489-8	HD-COD-SW-17-0/1-0	97	94	95	108
410-124489-8 - DL	HD-COD-SW-17-0/1-0	106	95	105	99
410-124489-9	HD-COD-SW-26-0/1-0	99	95	95	109
410-124489-10	HD-COD-SW-27-0/1-0	96	94	93	108
410-124489-11	HD-COD-SW-28-0/1-0	98	92	94	108
410-124489-12	HD-COD-SW-29-0/1-0	97	94	93	109
410-124489-13	HD-QC1-0/1-1	96	95	92	107
410-124489-13 - DL	HD-QC1-0/1-1	105	98	106	94
410-124489-14	HD-QC1-0/1-2	99	94	94	107
LCS 410-371870/4	Lab Control Sample	97	97	95	109
LCS 410-372041/4	Lab Control Sample	98	98	94	109
LCS 410-372381/4	Lab Control Sample	104	102	101	101
LCS 410-373833/4	Lab Control Sample	105	99	106	94
LCSD 410-372041/5	Lab Control Sample Dup	96	97	94	109
LCSD 410-372381/5	Lab Control Sample Dup	103	102	101	102
LCSD 410-373833/5	Lab Control Sample Dup	105	99	106	94
MB 410-371870/6	Method Blank	99	94	94	108
MB 410-372041/7	Method Blank	98	96	93	109
MB 410-372381/7	Method Blank	105	97	103	99
MB 410-373833/7	Method Blank	107	99	105	94

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: MB 410-371870/6
Matrix: Water
Analysis Batch: 371870

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/03/23 21:56	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/03/23 21:56	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/03/23 21:56	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/03/23 21:56	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/03/23 21:56	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/03/23 21:56	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/03/23 21:56	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/03/23 21:56	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/03/23 21:56	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/03/23 21:56	1
2-Hexanone	ND		5.0	0.10	ug/L			05/03/23 21:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/03/23 21:56	1
Acetone	ND		5.0	1.0	ug/L			05/03/23 21:56	1
Benzene	ND		0.50	0.10	ug/L			05/03/23 21:56	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/03/23 21:56	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/03/23 21:56	1
Bromoform	ND		1.0	0.30	ug/L			05/03/23 21:56	1
Bromomethane	ND		0.50	0.10	ug/L			05/03/23 21:56	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/03/23 21:56	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/03/23 21:56	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/03/23 21:56	1
Chloroethane	ND		0.50	0.10	ug/L			05/03/23 21:56	1
Chloroform	ND		0.50	0.090	ug/L			05/03/23 21:56	1
Chloromethane	ND		0.50	0.10	ug/L			05/03/23 21:56	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/03/23 21:56	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/03/23 21:56	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/03/23 21:56	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/03/23 21:56	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/03/23 21:56	1
Methylene Chloride	ND		0.50	0.10	ug/L			05/03/23 21:56	1
Styrene	ND		0.50	0.070	ug/L			05/03/23 21:56	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/03/23 21:56	1
Toluene	ND		0.50	0.080	ug/L			05/03/23 21:56	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/03/23 21:56	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/03/23 21:56	1
Trichloroethene	ND		0.50	0.080	ug/L			05/03/23 21:56	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/03/23 21:56	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/03/23 21:56	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		05/03/23 21:56	1
4-Bromofluorobenzene (Surr)	94		80 - 120		05/03/23 21:56	1
Dibromofluoromethane (Surr)	94		80 - 120		05/03/23 21:56	1
Toluene-d8 (Surr)	108		80 - 120		05/03/23 21:56	1

QC Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: LCS 410-371870/4
Matrix: Water
Analysis Batch: 371870

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

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				
1,1,1,2-Tetrachloroethane	5.00	5.22		ug/L		104	71 - 134
1,1,1-Trichloroethane	5.00	4.47		ug/L		89	78 - 126
1,1,2,2-Tetrachloroethane	5.00	5.35		ug/L		107	75 - 123
1,1,2-Trichloroethane	5.00	5.02		ug/L		100	80 - 120
1,1-Dichloroethane	5.00	4.31		ug/L		86	74 - 120
1,1-Dichloroethene	5.00	4.46		ug/L		89	80 - 131
1,2-Dibromoethane (EDB)	5.00	5.15		ug/L		103	80 - 120
1,2-Dichloroethane	5.00	4.15		ug/L		83	69 - 122
1,2-Dichloropropane	5.00	4.40		ug/L		88	80 - 120
2-Butanone (MEK)	62.5	62.3		ug/L		100	59 - 141
2-Hexanone	62.5	61.7		ug/L		99	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	59.1		ug/L		95	55 - 140
Acetone	62.5	65.7		ug/L		105	60 - 146
Benzene	5.00	4.50		ug/L		90	80 - 120
Bromochloromethane	5.00	4.53		ug/L		91	80 - 120
Bromodichloromethane	5.00	4.28		ug/L		86	73 - 124
Bromoform	5.00	4.73		ug/L		95	49 - 144
Bromomethane	5.00	3.64		ug/L		73	60 - 136
Carbon disulfide	5.00	4.27		ug/L		85	67 - 130
Carbon tetrachloride	5.00	4.47		ug/L		89	64 - 141
Chlorobenzene	5.00	5.02		ug/L		100	80 - 120
Chloroethane	5.00	3.80		ug/L		76	63 - 120
Chloroform	5.00	4.36		ug/L		87	80 - 120
Chloromethane	5.00	3.73		ug/L		75	56 - 124
cis-1,2-Dichloroethene	5.00	4.64		ug/L		93	80 - 122
cis-1,3-Dichloropropene	5.00	4.22		ug/L		84	67 - 121
Dibromochloromethane	5.00	4.96		ug/L		99	64 - 138
Ethylbenzene	5.00	5.20		ug/L		104	80 - 120
Methyl tert-butyl ether	5.00	4.31		ug/L		86	69 - 120
Methylene Chloride	5.00	4.51		ug/L		90	80 - 120
Styrene	5.00	5.25		ug/L		105	80 - 120
Tetrachloroethene	5.00	4.99		ug/L		100	80 - 120
Toluene	5.00	5.14		ug/L		103	80 - 120
trans-1,2-Dichloroethene	5.00	4.38		ug/L		88	80 - 122
trans-1,3-Dichloropropene	5.00	5.10		ug/L		102	61 - 129
Trichloroethene	5.00	4.36		ug/L		87	80 - 120
Vinyl chloride	5.00	3.58		ug/L		72	60 - 125
Xylenes, Total	15.0	15.6		ug/L		104	80 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	95		80 - 120
Toluene-d8 (Surr)	109		80 - 120

QC Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: 410-124489-6 MS

Matrix: Water

Analysis Batch: 371870

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

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier			Limits	
1,1,1,2-Tetrachloroethane	ND		5.00	5.60		ug/L		112	71 - 134
1,1,1-Trichloroethane	0.25	J	5.00	5.41		ug/L		103	78 - 126
1,1,2,2-Tetrachloroethane	ND		5.00	5.53		ug/L		110	75 - 123
1,1,2-Trichloroethane	ND		5.00	5.30		ug/L		106	80 - 120
1,1-Dichloroethane	ND		5.00	4.97		ug/L		99	74 - 120
1,1-Dichloroethene	0.18	J	5.00	5.58		ug/L		108	80 - 131
1,2-Dibromoethane (EDB)	ND		5.00	5.47		ug/L		109	80 - 120
1,2-Dichloroethane	ND		5.00	4.28		ug/L		86	69 - 122
1,2-Dichloropropane	ND		5.00	4.87		ug/L		97	80 - 120
2-Butanone (MEK)	ND		62.6	63.3		ug/L		101	59 - 141
2-Hexanone	ND		62.6	67.6		ug/L		108	52 - 140
4-Methyl-2-pentanone (MIBK)	ND		62.6	62.7		ug/L		100	55 - 140
Acetone	1.8	J	62.6	61.7		ug/L		96	60 - 146
Benzene	ND		5.00	5.14		ug/L		103	80 - 120
Bromochloromethane	ND		5.00	4.88		ug/L		98	80 - 120
Bromodichloromethane	ND		5.00	4.71		ug/L		94	73 - 124
Bromoform	ND		5.00	4.74		ug/L		95	49 - 144
Bromomethane	ND	^c cn	5.00	4.03		ug/L		81	60 - 136
Carbon disulfide	ND	^c cn	5.00	4.91		ug/L		98	67 - 130
Carbon tetrachloride	ND		5.00	5.40		ug/L		108	64 - 141
Chlorobenzene	ND		5.00	5.52		ug/L		110	80 - 120
Chloroethane	ND	^c cn	5.00	4.40		ug/L		88	63 - 120
Chloroform	0.22	J	5.00	5.04		ug/L		96	80 - 120
Chloromethane	0.12	J	5.00	4.23		ug/L		82	80 - 120
cis-1,2-Dichloroethene	1.2		5.00	6.33		ug/L		103	80 - 122
cis-1,3-Dichloropropene	ND		5.00	4.52		ug/L		90	67 - 121
Dibromochloromethane	ND		5.00	5.22		ug/L		104	64 - 138
Ethylbenzene	ND		5.00	5.87		ug/L		117	80 - 120
Methyl tert-butyl ether	ND		5.00	4.44		ug/L		89	69 - 120
Methylene Chloride	ND		5.00	4.89		ug/L		98	80 - 120
Styrene	ND		5.00	5.74		ug/L		115	80 - 120
Tetrachloroethene	4.6		5.00	10.4		ug/L		115	80 - 120
Toluene	ND		5.00	5.84		ug/L		117	80 - 120
trans-1,2-Dichloroethene	ND		5.00	5.05		ug/L		101	80 - 122
trans-1,3-Dichloropropene	ND		5.00	5.38		ug/L		107	61 - 129
Trichloroethene	1.1		5.00	6.11		ug/L		100	80 - 120
Vinyl chloride	ND		5.00	4.31		ug/L		86	60 - 125
Xylenes, Total	ND		15.0	17.4		ug/L		116	80 - 120

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	95		80 - 120
Toluene-d8 (Surr)	109		80 - 120

QC Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: 410-124489-6 MSD

Matrix: Water

Analysis Batch: 371870

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

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
1,1,1,2-Tetrachloroethane	ND		5.00	5.53		ug/L		110	71 - 134	1	30
1,1,1-Trichloroethane	0.25	J	5.00	5.29		ug/L		101	78 - 126	2	30
1,1,2,2-Tetrachloroethane	ND		5.00	5.43		ug/L		109	75 - 123	2	30
1,1,2-Trichloroethane	ND		5.00	5.27		ug/L		105	80 - 120	0	30
1,1-Dichloroethane	ND		5.00	4.90		ug/L		98	74 - 120	1	30
1,1-Dichloroethene	0.18	J	5.00	5.48		ug/L		106	80 - 131	2	30
1,2-Dibromoethane (EDB)	ND		5.00	5.36		ug/L		107	80 - 120	2	30
1,2-Dichloroethane	ND		5.00	4.44		ug/L		89	69 - 122	4	30
1,2-Dichloropropane	ND		5.00	4.79		ug/L		96	80 - 120	2	30
2-Butanone (MEK)	ND		62.6	62.8		ug/L		100	59 - 141	1	30
2-Hexanone	ND		62.6	66.8		ug/L		107	52 - 140	1	30
4-Methyl-2-pentanone (MIBK)	ND		62.6	63.7		ug/L		102	55 - 140	2	30
Acetone	1.8	J	62.6	61.5		ug/L		95	60 - 146	0	30
Benzene	ND		5.00	5.01		ug/L		100	80 - 120	3	30
Bromochloromethane	ND		5.00	4.76		ug/L		95	80 - 120	2	30
Bromodichloromethane	ND		5.00	4.58		ug/L		92	73 - 124	3	30
Bromoform	ND		5.00	4.62		ug/L		92	49 - 144	3	30
Bromomethane	ND	^c cn	5.00	4.01		ug/L		80	60 - 136	1	30
Carbon disulfide	ND	^c cn	5.00	4.87		ug/L		97	67 - 130	1	30
Carbon tetrachloride	ND		5.00	5.25		ug/L		105	64 - 141	3	30
Chlorobenzene	ND		5.00	5.51		ug/L		110	80 - 120	0	30
Chloroethane	ND	^c cn	5.00	4.34		ug/L		87	63 - 120	1	30
Chloroform	0.22	J	5.00	4.99		ug/L		95	80 - 120	1	30
Chloromethane	0.12	J	5.00	4.18		ug/L		81	80 - 120	1	30
cis-1,2-Dichloroethene	1.2		5.00	6.30		ug/L		103	80 - 122	0	30
cis-1,3-Dichloropropene	ND		5.00	4.40		ug/L		88	67 - 121	3	30
Dibromochloromethane	ND		5.00	5.07		ug/L		101	64 - 138	3	30
Ethylbenzene	ND		5.00	5.77		ug/L		115	80 - 120	2	30
Methyl tert-butyl ether	ND		5.00	4.35		ug/L		87	69 - 120	2	30
Methylene Chloride	ND		5.00	4.79		ug/L		96	80 - 120	2	30
Styrene	ND		5.00	5.73		ug/L		114	80 - 120	0	30
Tetrachloroethene	4.6		5.00	10.3		ug/L		113	80 - 120	1	30
Toluene	ND		5.00	5.75		ug/L		115	80 - 120	2	30
trans-1,2-Dichloroethene	ND		5.00	4.93		ug/L		99	80 - 122	2	30
trans-1,3-Dichloropropene	ND		5.00	5.32		ug/L		106	61 - 129	1	30
Trichloroethene	1.1		5.00	5.97		ug/L		98	80 - 120	2	30
Vinyl chloride	ND		5.00	4.26		ug/L		85	60 - 125	1	30
Xylenes, Total	ND		15.0	17.2		ug/L		114	80 - 120	2	30

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	93		80 - 120
Toluene-d8 (Surr)	110		80 - 120

QC Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: MB 410-372041/7
Matrix: Water
Analysis Batch: 372041

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			05/04/23 10:47	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 10:47	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/04/23 10:47	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 10:47	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/04/23 10:47	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 10:47	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/04/23 10:47	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/04/23 10:47	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/04/23 10:47	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/04/23 10:47	1
2-Hexanone	ND		5.0	0.10	ug/L			05/04/23 10:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/04/23 10:47	1
Acetone	ND		5.0	1.0	ug/L			05/04/23 10:47	1
Benzene	ND		0.50	0.10	ug/L			05/04/23 10:47	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/04/23 10:47	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/04/23 10:47	1
Bromoform	ND		1.0	0.30	ug/L			05/04/23 10:47	1
Bromomethane	ND		0.50	0.10	ug/L			05/04/23 10:47	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/04/23 10:47	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/04/23 10:47	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/04/23 10:47	1
Chloroethane	ND		0.50	0.10	ug/L			05/04/23 10:47	1
Chloroform	ND		0.50	0.090	ug/L			05/04/23 10:47	1
Chloromethane	ND		0.50	0.10	ug/L			05/04/23 10:47	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/04/23 10:47	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/04/23 10:47	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/04/23 10:47	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/04/23 10:47	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/04/23 10:47	1
Methylene Chloride	ND		0.50	0.10	ug/L			05/04/23 10:47	1
Styrene	ND		0.50	0.070	ug/L			05/04/23 10:47	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/04/23 10:47	1
Toluene	ND		0.50	0.080	ug/L			05/04/23 10:47	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 10:47	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/04/23 10:47	1
Trichloroethene	ND		0.50	0.080	ug/L			05/04/23 10:47	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/04/23 10:47	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/04/23 10:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		05/04/23 10:47	1
4-Bromofluorobenzene (Surr)	96		80 - 120		05/04/23 10:47	1
Dibromofluoromethane (Surr)	93		80 - 120		05/04/23 10:47	1
Toluene-d8 (Surr)	109		80 - 120		05/04/23 10:47	1

QC Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: LCS 410-372041/4
Matrix: Water
Analysis Batch: 372041

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

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				
1,1,1,2-Tetrachloroethane	5.00	5.21		ug/L		104	71 - 134
1,1,1-Trichloroethane	5.00	4.64		ug/L		93	78 - 126
1,1,2,2-Tetrachloroethane	5.00	5.55		ug/L		111	75 - 123
1,1,2-Trichloroethane	5.00	5.19		ug/L		104	80 - 120
1,1-Dichloroethane	5.00	4.55		ug/L		91	74 - 120
1,1-Dichloroethene	5.00	4.82		ug/L		96	80 - 131
1,2-Dibromoethane (EDB)	5.00	5.13		ug/L		103	80 - 120
1,2-Dichloroethane	5.00	4.28		ug/L		86	69 - 122
1,2-Dichloropropane	5.00	4.59		ug/L		92	80 - 120
2-Butanone (MEK)	62.5	62.9		ug/L		101	59 - 141
2-Hexanone	62.5	64.8		ug/L		104	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	63.2		ug/L		101	55 - 140
Acetone	62.5	61.7		ug/L		99	60 - 146
Benzene	5.00	4.73		ug/L		95	80 - 120
Bromochloromethane	5.00	4.59		ug/L		92	80 - 120
Bromodichloromethane	5.00	4.44		ug/L		89	73 - 124
Bromoform	5.00	4.72		ug/L		94	49 - 144
Bromomethane	5.00	3.63		ug/L		73	60 - 136
Carbon disulfide	5.00	4.63		ug/L		93	67 - 130
Carbon tetrachloride	5.00	4.72		ug/L		94	64 - 141
Chlorobenzene	5.00	5.18		ug/L		104	80 - 120
Chloroethane	5.00	3.85		ug/L		77	63 - 120
Chloroform	5.00	4.53		ug/L		91	80 - 120
Chloromethane	5.00	3.68		ug/L		74	56 - 124
cis-1,2-Dichloroethene	5.00	4.76		ug/L		95	80 - 122
cis-1,3-Dichloropropene	5.00	4.40		ug/L		88	67 - 121
Dibromochloromethane	5.00	4.99		ug/L		100	64 - 138
Ethylbenzene	5.00	5.38		ug/L		108	80 - 120
Methyl tert-butyl ether	5.00	4.45		ug/L		89	69 - 120
Methylene Chloride	5.00	4.67		ug/L		93	80 - 120
Styrene	5.00	5.35		ug/L		107	80 - 120
Tetrachloroethene	5.00	5.10		ug/L		102	80 - 120
Toluene	5.00	5.40		ug/L		108	80 - 120
trans-1,2-Dichloroethene	5.00	4.65		ug/L		93	80 - 122
trans-1,3-Dichloropropene	5.00	5.25		ug/L		105	61 - 129
Trichloroethene	5.00	4.57		ug/L		91	80 - 120
Vinyl chloride	5.00	3.72		ug/L		74	60 - 125
Xylenes, Total	15.0	16.1		ug/L		107	80 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	94		80 - 120
Toluene-d8 (Surr)	109		80 - 120

QC Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: LCSD 410-372041/5
 Matrix: Water
 Analysis Batch: 372041

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

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
	Added	Result	Qualifier				Limits		
1,1,1,2-Tetrachloroethane	5.00	5.25		ug/L		105	71 - 134	1	30
1,1,1-Trichloroethane	5.00	4.65		ug/L		93	78 - 126	0	30
1,1,2,2-Tetrachloroethane	5.00	5.54		ug/L		111	75 - 123	0	30
1,1,2-Trichloroethane	5.00	5.12		ug/L		102	80 - 120	1	30
1,1-Dichloroethane	5.00	4.44		ug/L		89	74 - 120	2	30
1,1-Dichloroethene	5.00	4.78		ug/L		96	80 - 131	1	30
1,2-Dibromoethane (EDB)	5.00	5.25		ug/L		105	80 - 120	2	30
1,2-Dichloroethane	5.00	4.25		ug/L		85	69 - 122	1	30
1,2-Dichloropropane	5.00	4.55		ug/L		91	80 - 120	1	30
2-Butanone (MEK)	62.5	62.1		ug/L		99	59 - 141	1	30
2-Hexanone	62.5	63.7		ug/L		102	52 - 140	2	30
4-Methyl-2-pentanone (MIBK)	62.5	60.3		ug/L		96	55 - 140	5	30
Acetone	62.5	61.8		ug/L		99	60 - 146	0	30
Benzene	5.00	4.71		ug/L		94	80 - 120	0	30
Bromochloromethane	5.00	4.54		ug/L		91	80 - 120	1	30
Bromodichloromethane	5.00	4.43		ug/L		89	73 - 124	0	30
Bromoform	5.00	4.69		ug/L		94	49 - 144	0	30
Bromomethane	5.00	3.72		ug/L		74	60 - 136	2	30
Carbon disulfide	5.00	4.62		ug/L		92	67 - 130	0	30
Carbon tetrachloride	5.00	4.70		ug/L		94	64 - 141	0	30
Chlorobenzene	5.00	5.14		ug/L		103	80 - 120	1	30
Chloroethane	5.00	3.87		ug/L		77	63 - 120	1	30
Chloroform	5.00	4.51		ug/L		90	80 - 120	1	30
Chloromethane	5.00	3.62		ug/L		72	56 - 124	2	30
cis-1,2-Dichloroethene	5.00	4.77		ug/L		95	80 - 122	0	30
cis-1,3-Dichloropropene	5.00	4.34		ug/L		87	67 - 121	1	30
Dibromochloromethane	5.00	4.98		ug/L		100	64 - 138	0	30
Ethylbenzene	5.00	5.46		ug/L		109	80 - 120	1	30
Methyl tert-butyl ether	5.00	4.43		ug/L		89	69 - 120	0	30
Methylene Chloride	5.00	4.62		ug/L		92	80 - 120	1	30
Styrene	5.00	5.39		ug/L		108	80 - 120	1	30
Tetrachloroethene	5.00	5.17		ug/L		103	80 - 120	1	30
Toluene	5.00	5.38		ug/L		108	80 - 120	0	30
trans-1,2-Dichloroethene	5.00	4.54		ug/L		91	80 - 122	2	30
trans-1,3-Dichloropropene	5.00	5.27		ug/L		105	61 - 129	1	30
Trichloroethene	5.00	4.56		ug/L		91	80 - 120	0	30
Vinyl chloride	5.00	3.66		ug/L		73	60 - 125	2	30
Xylenes, Total	15.0	16.0		ug/L		107	80 - 120	1	30

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	96		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	94		80 - 120
Toluene-d8 (Surr)	109		80 - 120

QC Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: MB 410-372381/7
 Matrix: Water
 Analysis Batch: 372381

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/04/23 22:41	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 22:41	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/04/23 22:41	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/04/23 22:41	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/04/23 22:41	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 22:41	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/04/23 22:41	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/04/23 22:41	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/04/23 22:41	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/04/23 22:41	1
2-Hexanone	ND		5.0	0.10	ug/L			05/04/23 22:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/04/23 22:41	1
Acetone	ND		5.0	1.0	ug/L			05/04/23 22:41	1
Benzene	ND		0.50	0.10	ug/L			05/04/23 22:41	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/04/23 22:41	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/04/23 22:41	1
Bromoform	ND		1.0	0.30	ug/L			05/04/23 22:41	1
Bromomethane	ND		0.50	0.10	ug/L			05/04/23 22:41	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/04/23 22:41	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/04/23 22:41	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/04/23 22:41	1
Chloroethane	ND		0.50	0.10	ug/L			05/04/23 22:41	1
Chloroform	ND		0.50	0.090	ug/L			05/04/23 22:41	1
Chloromethane	ND		0.50	0.10	ug/L			05/04/23 22:41	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/04/23 22:41	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/04/23 22:41	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/04/23 22:41	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/04/23 22:41	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/04/23 22:41	1
Methylene Chloride	ND		0.50	0.10	ug/L			05/04/23 22:41	1
Styrene	ND		0.50	0.070	ug/L			05/04/23 22:41	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/04/23 22:41	1
Toluene	ND		0.50	0.080	ug/L			05/04/23 22:41	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/04/23 22:41	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/04/23 22:41	1
Trichloroethene	ND		0.50	0.080	ug/L			05/04/23 22:41	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/04/23 22:41	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/04/23 22:41	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		05/04/23 22:41	1
4-Bromofluorobenzene (Surr)	97		80 - 120		05/04/23 22:41	1
Dibromofluoromethane (Surr)	103		80 - 120		05/04/23 22:41	1
Toluene-d8 (Surr)	99		80 - 120		05/04/23 22:41	1

QC Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: LCS 410-372381/4
Matrix: Water
Analysis Batch: 372381

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

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				
1,1,1,2-Tetrachloroethane	5.00	5.42		ug/L		108	71 - 134
1,1,1-Trichloroethane	5.00	5.45		ug/L		109	78 - 126
1,1,2,2-Tetrachloroethane	5.00	5.62		ug/L		112	75 - 123
1,1,2-Trichloroethane	5.00	5.57		ug/L		111	80 - 120
1,1-Dichloroethane	5.00	5.17		ug/L		103	74 - 120
1,1-Dichloroethene	5.00	5.35		ug/L		107	80 - 131
1,2-Dibromoethane (EDB)	5.00	5.54		ug/L		111	80 - 120
1,2-Dichloroethane	5.00	5.15		ug/L		103	69 - 122
1,2-Dichloropropane	5.00	5.51		ug/L		110	80 - 120
2-Butanone (MEK)	62.5	58.6		ug/L		94	59 - 141
2-Hexanone	62.5	54.4		ug/L		87	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	52.3		ug/L		84	55 - 140
Acetone	62.5	55.7		ug/L		89	60 - 146
Benzene	5.00	5.50		ug/L		110	80 - 120
Bromochloromethane	5.00	5.45		ug/L		109	80 - 120
Bromodichloromethane	5.00	5.29		ug/L		106	73 - 124
Bromoform	5.00	4.41		ug/L		88	49 - 144
Bromomethane	5.00	4.17		ug/L		83	60 - 136
Carbon disulfide	5.00	4.98		ug/L		100	67 - 130
Carbon tetrachloride	5.00	5.32		ug/L		106	64 - 141
Chlorobenzene	5.00	5.38		ug/L		108	80 - 120
Chloroethane	5.00	4.45		ug/L		89	63 - 120
Chloroform	5.00	5.44		ug/L		109	80 - 120
Chloromethane	5.00	4.22		ug/L		84	56 - 124
cis-1,2-Dichloroethene	5.00	5.52		ug/L		110	80 - 122
cis-1,3-Dichloropropene	5.00	4.73		ug/L		95	67 - 121
Dibromochloromethane	5.00	4.95		ug/L		99	64 - 138
Ethylbenzene	5.00	5.48		ug/L		110	80 - 120
Methyl tert-butyl ether	5.00	5.60		ug/L		112	69 - 120
Methylene Chloride	5.00	5.40		ug/L		108	80 - 120
Styrene	5.00	5.56		ug/L		111	80 - 120
Tetrachloroethene	5.00	5.09		ug/L		102	80 - 120
Toluene	5.00	5.46		ug/L		109	80 - 120
trans-1,2-Dichloroethene	5.00	5.25		ug/L		105	80 - 122
trans-1,3-Dichloropropene	5.00	5.06		ug/L		101	61 - 129
Trichloroethene	5.00	5.23		ug/L		105	80 - 120
Vinyl chloride	5.00	4.31		ug/L		86	60 - 125
Xylenes, Total	15.0	16.5		ug/L		110	80 - 120

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
Toluene-d8 (Surr)	101		80 - 120

QC Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: LCSD 410-372381/5

Matrix: Water

Analysis Batch: 372381

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
	Added	Result	Qualifier						
1,1,1,2-Tetrachloroethane	5.00	5.42		ug/L		108	71 - 134	0	30
1,1,1-Trichloroethane	5.00	5.26		ug/L		105	78 - 126	4	30
1,1,2,2-Tetrachloroethane	5.00	5.57		ug/L		111	75 - 123	1	30
1,1,2-Trichloroethane	5.00	5.41		ug/L		108	80 - 120	3	30
1,1-Dichloroethane	5.00	5.12		ug/L		102	74 - 120	1	30
1,1-Dichloroethene	5.00	5.18		ug/L		104	80 - 131	3	30
1,2-Dibromoethane (EDB)	5.00	5.39		ug/L		108	80 - 120	3	30
1,2-Dichloroethane	5.00	5.10		ug/L		102	69 - 122	1	30
1,2-Dichloropropane	5.00	5.39		ug/L		108	80 - 120	2	30
2-Butanone (MEK)	62.5	54.7		ug/L		88	59 - 141	7	30
2-Hexanone	62.5	50.6		ug/L		81	52 - 140	7	30
4-Methyl-2-pentanone (MIBK)	62.5	50.3		ug/L		80	55 - 140	4	30
Acetone	62.5	51.6		ug/L		83	60 - 146	8	30
Benzene	5.00	5.41		ug/L		108	80 - 120	2	30
Bromochloromethane	5.00	5.31		ug/L		106	80 - 120	3	30
Bromodichloromethane	5.00	5.17		ug/L		103	73 - 124	2	30
Bromoform	5.00	4.37		ug/L		87	49 - 144	1	30
Bromomethane	5.00	4.06		ug/L		81	60 - 136	2	30
Carbon disulfide	5.00	4.81		ug/L		96	67 - 130	3	30
Carbon tetrachloride	5.00	5.14		ug/L		103	64 - 141	3	30
Chlorobenzene	5.00	5.24		ug/L		105	80 - 120	3	30
Chloroethane	5.00	4.39		ug/L		88	63 - 120	1	30
Chloroform	5.00	5.28		ug/L		106	80 - 120	3	30
Chloromethane	5.00	3.91		ug/L		78	56 - 124	8	30
cis-1,2-Dichloroethene	5.00	5.41		ug/L		108	80 - 122	2	30
cis-1,3-Dichloropropene	5.00	4.70		ug/L		94	67 - 121	1	30
Dibromochloromethane	5.00	4.90		ug/L		98	64 - 138	1	30
Ethylbenzene	5.00	5.37		ug/L		107	80 - 120	2	30
Methyl tert-butyl ether	5.00	5.59		ug/L		112	69 - 120	0	30
Methylene Chloride	5.00	5.34		ug/L		107	80 - 120	1	30
Styrene	5.00	5.39		ug/L		108	80 - 120	3	30
Tetrachloroethene	5.00	4.98		ug/L		100	80 - 120	2	30
Toluene	5.00	5.29		ug/L		106	80 - 120	3	30
trans-1,2-Dichloroethene	5.00	5.09		ug/L		102	80 - 122	3	30
trans-1,3-Dichloropropene	5.00	4.93		ug/L		99	61 - 129	3	30
Trichloroethene	5.00	5.11		ug/L		102	80 - 120	2	30
Vinyl chloride	5.00	4.09		ug/L		82	60 - 125	5	30
Xylenes, Total	15.0	16.1		ug/L		107	80 - 120	3	30

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
Toluene-d8 (Surr)	102		80 - 120

QC Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: MB 410-373833/7

Matrix: Water

Analysis Batch: 373833

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/09/23 19:44	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/09/23 19:44	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/09/23 19:44	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/09/23 19:44	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/09/23 19:44	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/09/23 19:44	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			05/09/23 19:44	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/09/23 19:44	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/09/23 19:44	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/09/23 19:44	1
2-Hexanone	ND		5.0	0.10	ug/L			05/09/23 19:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/09/23 19:44	1
Acetone	ND		5.0	1.0	ug/L			05/09/23 19:44	1
Benzene	ND		0.50	0.10	ug/L			05/09/23 19:44	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/09/23 19:44	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/09/23 19:44	1
Bromoform	ND		1.0	0.30	ug/L			05/09/23 19:44	1
Bromomethane	ND		0.50	0.10	ug/L			05/09/23 19:44	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/09/23 19:44	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/09/23 19:44	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/09/23 19:44	1
Chloroethane	ND		0.50	0.10	ug/L			05/09/23 19:44	1
Chloroform	ND		0.50	0.090	ug/L			05/09/23 19:44	1
Chloromethane	ND		0.50	0.10	ug/L			05/09/23 19:44	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/09/23 19:44	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/09/23 19:44	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/09/23 19:44	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/09/23 19:44	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			05/09/23 19:44	1
Methylene Chloride	ND		0.50	0.10	ug/L			05/09/23 19:44	1
Styrene	ND		0.50	0.070	ug/L			05/09/23 19:44	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/09/23 19:44	1
Toluene	ND		0.50	0.080	ug/L			05/09/23 19:44	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/09/23 19:44	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/09/23 19:44	1
Trichloroethene	ND		0.50	0.080	ug/L			05/09/23 19:44	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/09/23 19:44	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/09/23 19:44	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	107		80 - 120		05/09/23 19:44	1
4-Bromofluorobenzene (Surr)	99		80 - 120		05/09/23 19:44	1
Dibromofluoromethane (Surr)	105		80 - 120		05/09/23 19:44	1
Toluene-d8 (Surr)	94		80 - 120		05/09/23 19:44	1

QC Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: LCS 410-373833/4
 Matrix: Water
 Analysis Batch: 373833

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

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				
1,1,1,2-Tetrachloroethane	5.00	5.59		ug/L		112	71 - 134
1,1,1-Trichloroethane	5.00	5.72		ug/L		114	78 - 126
1,1,2,2-Tetrachloroethane	5.00	5.06		ug/L		101	75 - 123
1,1,2-Trichloroethane	5.00	5.16		ug/L		103	80 - 120
1,1-Dichloroethane	5.00	5.40		ug/L		108	74 - 120
1,1-Dichloroethene	5.00	5.66		ug/L		113	80 - 131
1,2-Dibromoethane (EDB)	5.00	5.63		ug/L		113	80 - 120
1,2-Dichloroethane	5.00	5.51		ug/L		110	69 - 122
1,2-Dichloropropane	5.00	5.71		ug/L		114	80 - 120
2-Butanone (MEK)	62.5	50.7		ug/L		81	59 - 141
2-Hexanone	62.5	46.4		ug/L		74	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	45.0		ug/L		72	55 - 140
Acetone	62.5	55.0		ug/L		88	60 - 146
Benzene	5.00	5.80		ug/L		116	80 - 120
Bromochloromethane	5.00	6.32	*+	ug/L		126	80 - 120
Bromodichloromethane	5.00	5.62		ug/L		112	73 - 124
Bromoform	5.00	5.39		ug/L		108	49 - 144
Bromomethane	5.00	5.23		ug/L		105	60 - 136
Carbon disulfide	5.00	5.80		ug/L		116	67 - 130
Carbon tetrachloride	5.00	5.94		ug/L		119	64 - 141
Chlorobenzene	5.00	5.35		ug/L		107	80 - 120
Chloroethane	5.00	4.92		ug/L		98	63 - 120
Chloroform	5.00	5.59		ug/L		112	80 - 120
Chloromethane	5.00	4.73		ug/L		95	56 - 124
cis-1,2-Dichloroethene	5.00	5.74		ug/L		115	80 - 122
cis-1,3-Dichloropropene	5.00	5.68		ug/L		114	67 - 121
Dibromochloromethane	5.00	5.36		ug/L		107	64 - 138
Ethylbenzene	5.00	5.32		ug/L		106	80 - 120
Methyl tert-butyl ether	5.00	5.48		ug/L		110	69 - 120
Methylene Chloride	5.00	5.62		ug/L		112	80 - 120
Styrene	5.00	5.33		ug/L		107	80 - 120
Tetrachloroethene	5.00	5.56		ug/L		111	80 - 120
Toluene	5.00	5.29		ug/L		106	80 - 120
trans-1,2-Dichloroethene	5.00	5.57		ug/L		111	80 - 122
trans-1,3-Dichloropropene	5.00	5.33		ug/L		107	61 - 129
Trichloroethene	5.00	5.72		ug/L		114	80 - 120
Vinyl chloride	5.00	4.86		ug/L		97	60 - 125
Xylenes, Total	15.0	16.1		ug/L		108	80 - 120

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	105		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	106		80 - 120
Toluene-d8 (Surr)	94		80 - 120

QC Sample Results

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

Job ID: 410-124489-1

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

Lab Sample ID: LCSD 410-373833/5
 Matrix: Water
 Analysis Batch: 373833

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

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
	Added	Result	Qualifier						
1,1,1,2-Tetrachloroethane	5.00	5.52		ug/L		110	71 - 134	1	30
1,1,1-Trichloroethane	5.00	5.70		ug/L		114	78 - 126	0	30
1,1,2,2-Tetrachloroethane	5.00	4.97		ug/L		99	75 - 123	2	30
1,1,2-Trichloroethane	5.00	5.16		ug/L		103	80 - 120	0	30
1,1-Dichloroethane	5.00	5.40		ug/L		108	74 - 120	0	30
1,1-Dichloroethene	5.00	5.59		ug/L		112	80 - 131	1	30
1,2-Dibromoethane (EDB)	5.00	5.58		ug/L		112	80 - 120	1	30
1,2-Dichloroethane	5.00	5.65		ug/L		113	69 - 122	2	30
1,2-Dichloropropane	5.00	5.66		ug/L		113	80 - 120	1	30
2-Butanone (MEK)	62.5	57.7		ug/L		92	59 - 141	13	30
2-Hexanone	62.5	53.9		ug/L		86	52 - 140	15	30
4-Methyl-2-pentanone (MIBK)	62.5	51.5		ug/L		82	55 - 140	13	30
Acetone	62.5	61.7		ug/L		99	60 - 146	11	30
Benzene	5.00	5.78		ug/L		116	80 - 120	0	30
Bromochloromethane	5.00	6.25	*+	ug/L		125	80 - 120	1	30
Bromodichloromethane	5.00	5.55		ug/L		111	73 - 124	1	30
Bromoform	5.00	5.36		ug/L		107	49 - 144	1	30
Bromomethane	5.00	5.18		ug/L		104	60 - 136	1	30
Carbon disulfide	5.00	5.70		ug/L		114	67 - 130	2	30
Carbon tetrachloride	5.00	5.86		ug/L		117	64 - 141	1	30
Chlorobenzene	5.00	5.29		ug/L		106	80 - 120	1	30
Chloroethane	5.00	4.87		ug/L		97	63 - 120	1	30
Chloroform	5.00	5.54		ug/L		111	80 - 120	1	30
Chloromethane	5.00	4.82		ug/L		96	56 - 124	2	30
cis-1,2-Dichloroethene	5.00	5.76		ug/L		115	80 - 122	0	30
cis-1,3-Dichloropropene	5.00	5.59		ug/L		112	67 - 121	2	30
Dibromochloromethane	5.00	5.33		ug/L		107	64 - 138	1	30
Ethylbenzene	5.00	5.32		ug/L		106	80 - 120	0	30
Methyl tert-butyl ether	5.00	5.40		ug/L		108	69 - 120	1	30
Methylene Chloride	5.00	5.62		ug/L		112	80 - 120	0	30
Styrene	5.00	5.32		ug/L		106	80 - 120	0	30
Tetrachloroethene	5.00	5.59		ug/L		112	80 - 120	0	30
Toluene	5.00	5.34		ug/L		107	80 - 120	1	30
trans-1,2-Dichloroethene	5.00	5.49		ug/L		110	80 - 122	1	30
trans-1,3-Dichloropropene	5.00	5.28		ug/L		106	61 - 129	1	30
Trichloroethene	5.00	5.69		ug/L		114	80 - 120	1	30
Vinyl chloride	5.00	4.86		ug/L		97	60 - 125	0	30
Xylenes, Total	15.0	16.1		ug/L		108	80 - 120	0	30

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	105		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	106		80 - 120
Toluene-d8 (Surr)	94		80 - 120

QC Association Summary

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

Job ID: 410-124489-1

GC/MS VOA

Analysis Batch: 371870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-124489-1	HD-COD-SW-6-0/1-0	Total/NA	Water	8260D	
410-124489-2	HD-COD-SW-7-0/1-0	Total/NA	Water	8260D	
410-124489-3	HD-COD-SW-8-0/1-0	Total/NA	Water	8260D	
410-124489-4	HD-COD-SW-9-0/1-0	Total/NA	Water	8260D	
410-124489-5	HD-COD-SW-13-0/1-0	Total/NA	Water	8260D	
410-124489-6	HD-COD-SW-15-0/1-0	Total/NA	Water	8260D	
410-124489-7	HD-COD-SW-16-0/1-0	Total/NA	Water	8260D	
410-124489-8	HD-COD-SW-17-0/1-0	Total/NA	Water	8260D	
410-124489-9	HD-COD-SW-26-0/1-0	Total/NA	Water	8260D	
410-124489-10	HD-COD-SW-27-0/1-0	Total/NA	Water	8260D	
MB 410-371870/6	Method Blank	Total/NA	Water	8260D	
LCS 410-371870/4	Lab Control Sample	Total/NA	Water	8260D	
410-124489-6 MS	HD-COD-SW-15-0/1-0 MS	Total/NA	Water	8260D	
410-124489-6 MSD	HD-COD-SW-15-0/1-0 MSD	Total/NA	Water	8260D	

Analysis Batch: 372041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-124489-11	HD-COD-SW-28-0/1-0	Total/NA	Water	8260D	
410-124489-12	HD-COD-SW-29-0/1-0	Total/NA	Water	8260D	
410-124489-13	HD-QC1-0/1-1	Total/NA	Water	8260D	
410-124489-14	HD-QC1-0/1-2	Total/NA	Water	8260D	
MB 410-372041/7	Method Blank	Total/NA	Water	8260D	
LCS 410-372041/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-372041/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 372381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-124489-8 - DL	HD-COD-SW-17-0/1-0	Total/NA	Water	8260D	
MB 410-372381/7	Method Blank	Total/NA	Water	8260D	
LCS 410-372381/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-372381/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 373833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-124489-13 - DL	HD-QC1-0/1-1	Total/NA	Water	8260D	
MB 410-373833/7	Method Blank	Total/NA	Water	8260D	
LCS 410-373833/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-373833/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Lab Chronicle

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

Job ID: 410-124489-1

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

Lab Sample ID: 410-124489-1

Date Collected: 04/27/23 11:15

Matrix: Water

Date Received: 04/27/23 16:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	371870	JS6E	ELLE	05/04/23 01:17

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

Lab Sample ID: 410-124489-2

Date Collected: 04/27/23 11:55

Matrix: Water

Date Received: 04/27/23 16:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	371870	JS6E	ELLE	05/04/23 01:39

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

Lab Sample ID: 410-124489-3

Date Collected: 04/27/23 10:10

Matrix: Water

Date Received: 04/27/23 16:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	371870	JS6E	ELLE	05/04/23 02:01

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

Lab Sample ID: 410-124489-4

Date Collected: 04/27/23 13:48

Matrix: Water

Date Received: 04/27/23 16:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	371870	JS6E	ELLE	05/04/23 02:24

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

Lab Sample ID: 410-124489-5

Date Collected: 04/27/23 10:25

Matrix: Water

Date Received: 04/27/23 16:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	371870	JS6E	ELLE	05/04/23 02:46

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

Lab Sample ID: 410-124489-6

Date Collected: 04/27/23 12:15

Matrix: Water

Date Received: 04/27/23 16:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	371870	JS6E	ELLE	05/03/23 23:48

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

Lab Sample ID: 410-124489-7

Date Collected: 04/27/23 10:45

Matrix: Water

Date Received: 04/27/23 16:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	371870	JS6E	ELLE	05/04/23 03:08

Lab Chronicle

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

Job ID: 410-124489-1

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

Lab Sample ID: 410-124489-8

Date Collected: 04/27/23 10:55

Matrix: Water

Date Received: 04/27/23 16:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	371870	JS6E	ELLE	05/04/23 03:31
Total/NA	Analysis	8260D	DL	10	372381	K4WN	ELLE	05/05/23 04:37

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

Lab Sample ID: 410-124489-9

Date Collected: 04/27/23 11:38

Matrix: Water

Date Received: 04/27/23 16:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	371870	JS6E	ELLE	05/04/23 03:53

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

Lab Sample ID: 410-124489-10

Date Collected: 04/27/23 12:07

Matrix: Water

Date Received: 04/27/23 16:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	371870	JS6E	ELLE	05/04/23 04:15

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

Lab Sample ID: 410-124489-11

Date Collected: 04/27/23 14:00

Matrix: Water

Date Received: 04/27/23 16:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	372041	DVW2	ELLE	05/04/23 14:52

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

Lab Sample ID: 410-124489-12

Date Collected: 04/27/23 09:55

Matrix: Water

Date Received: 04/27/23 16:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	372041	DVW2	ELLE	05/04/23 15:15

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

Lab Sample ID: 410-124489-13

Date Collected: 04/27/23 12:00

Matrix: Water

Date Received: 04/27/23 16:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	372041	DVW2	ELLE	05/04/23 15:37
Total/NA	Analysis	8260D	DL	10	373833	JS6E	ELLE	05/10/23 02:05

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

Lab Sample ID: 410-124489-14

Date Collected: 04/27/23 00:00

Matrix: Water

Date Received: 04/27/23 16:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	372041	DVW2	ELLE	05/04/23 11:09

Lab Chronicle

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

Job ID: 410-124489-1

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 410-124489-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	36-00037	01-31-24

Method Summary

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

Job ID: 410-124489-1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

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

Job ID: 410-124489-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-124489-1	HD-COD-SW-6-0/1-0	Water	04/27/23 11:15	04/27/23 16:37
410-124489-2	HD-COD-SW-7-0/1-0	Water	04/27/23 11:55	04/27/23 16:37
410-124489-3	HD-COD-SW-8-0/1-0	Water	04/27/23 10:10	04/27/23 16:37
410-124489-4	HD-COD-SW-9-0/1-0	Water	04/27/23 13:48	04/27/23 16:37
410-124489-5	HD-COD-SW-13-0/1-0	Water	04/27/23 10:25	04/27/23 16:37
410-124489-6	HD-COD-SW-15-0/1-0	Water	04/27/23 12:15	04/27/23 16:37
410-124489-7	HD-COD-SW-16-0/1-0	Water	04/27/23 10:45	04/27/23 16:37
410-124489-8	HD-COD-SW-17-0/1-0	Water	04/27/23 10:55	04/27/23 16:37
410-124489-9	HD-COD-SW-26-0/1-0	Water	04/27/23 11:38	04/27/23 16:37
410-124489-10	HD-COD-SW-27-0/1-0	Water	04/27/23 12:07	04/27/23 16:37
410-124489-11	HD-COD-SW-28-0/1-0	Water	04/27/23 14:00	04/27/23 16:37
410-124489-12	HD-COD-SW-29-0/1-0	Water	04/27/23 09:55	04/27/23 16:37
410-124489-13	HD-QC1-0/1-1	Water	04/27/23 12:00	04/27/23 16:37
410-124489-14	HD-QC1-0/1-2	Water	04/27/23 00:00	04/27/23 16:37

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 10193 Analysis Batch Number: 370594Lab Sample ID: IC 410-370594/3 Client Sample ID: _____Date Analyzed: 05/01/23 15:17 Lab File ID: CY01X02.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.45	Incomplete Integration	DVW2	05/02/23 08:11
Vinyl acetate	4.64	Incomplete Integration	DVW2	05/02/23 07:46
cis-1,4-Dichloro-2-butene	11.80	Incomplete Integration	DVW2	05/02/23 08:13

Lab Sample ID: IC 410-370594/4 Client Sample ID: _____Date Analyzed: 05/01/23 15:40 Lab File ID: CY01X03.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.53	Incomplete Integration	DVW2	05/02/23 08:12
cis-1,4-Dichloro-2-butene	11.79	Incomplete Integration	DVW2	05/02/23 07:48
Cyclohexanone	11.79	Incomplete Integration	DVW2	05/02/23 07:48

Lab Sample ID: IC 410-370594/5 Client Sample ID: _____Date Analyzed: 05/01/23 16:02 Lab File ID: CY01X04.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.53	Incomplete Integration	DVW2	05/02/23 07:49
Vinyl acetate	4.59	Incomplete Integration	DVW2	05/02/23 07:49
cis-1,4-Dichloro-2-butene	11.79	Incomplete Integration	DVW2	05/02/23 07:49
Cyclohexanone	11.79	Incomplete Integration	DVW2	05/02/23 07:49

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 10193 Analysis Batch Number: 370594Lab Sample ID: IC 410-370594/6 Client Sample ID: _____Date Analyzed: 05/01/23 16:24 Lab File ID: CY01X05.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.46	Incomplete Integration	DVW2	05/02/23 08:14
Vinyl acetate	4.58	Incomplete Integration	DVW2	05/02/23 07:49
Cyclohexanone	11.74	Incomplete Integration	DVW2	05/02/23 08:15
cis-1,4-Dichloro-2-butene	11.79	Incomplete Integration	DVW2	05/02/23 07:50

Lab Sample ID: IC 410-370594/7 Client Sample ID: _____Date Analyzed: 05/01/23 16:47 Lab File ID: CY01X06.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.47	Incomplete Integration	DVW2	05/02/23 08:15
Vinyl acetate	4.57	Incomplete Integration	DVW2	05/02/23 07:50
cis-1,4-Dichloro-2-butene	11.79	Incomplete Integration	DVW2	05/02/23 07:50

Lab Sample ID: IC 410-370594/8 Client Sample ID: _____Date Analyzed: 05/01/23 17:09 Lab File ID: CY01X07.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.44	Incomplete Integration	DVW2	05/02/23 08:16
Vinyl acetate	4.57	Incomplete Integration	DVW2	05/02/23 07:50
cis-1,4-Dichloro-2-butene	11.79	Incomplete Integration	DVW2	05/02/23 07:51

Lab Sample ID: IC 410-370594/9 Client Sample ID: _____Date Analyzed: 05/01/23 17:31 Lab File ID: CY01X08.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl acetate	4.56	Incomplete Integration	DVW2	05/02/23 07:51
cis-1,4-Dichloro-2-butene	11.79	Incomplete Integration	DVW2	05/02/23 07:52

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 10193 Analysis Batch Number: 370594Lab Sample ID: IC 410-370594/13 Client Sample ID: _____Date Analyzed: 05/01/23 19:00 Lab File ID: CY01X12.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.73	Incomplete Integration	DVW2	05/02/23 07:56
1,3-Butadiene	2.01	Incomplete Integration	DVW2	05/02/23 07:56
Methylene Chloride	3.61	Incomplete Integration	DVW2	05/02/23 07:57
trans-1,2-Dichloroethene	3.96	Incomplete Integration	DVW2	05/02/23 07:57
di-Isopropyl ether	4.67	Incomplete Integration	DVW2	05/02/23 07:57
Ethyl t-butyl ether	5.21	Incomplete Integration	DVW2	05/02/23 07:57
2,2-Dichloropropane	5.45	Incomplete Integration	DVW2	05/02/23 07:57
Propionitrile	5.60	Incomplete Integration	DVW2	05/02/23 07:58
Isobutyl alcohol	6.73	Incomplete Integration	DVW2	05/02/23 07:58
1,4-Dioxane	8.04	Incomplete Integration	DVW2	05/02/23 07:58
1,1,2-Trichloroethane	9.77	Incomplete Integration	DVW2	05/02/23 07:59
1,1,2,2-Tetrachloroethane	11.91	Baseline	UKEK	05/03/23 08:24

Lab Sample ID: IC 410-370594/14 Client Sample ID: _____Date Analyzed: 05/01/23 19:22 Lab File ID: CY01X13.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.45	Incomplete Integration	DVW2	05/02/23 08:00
Acrylonitrile	3.95	Incomplete Integration	DVW2	05/02/23 08:00
2,2-Dichloropropane	5.44	Incomplete Integration	DVW2	05/02/23 08:01
Isobutyl alcohol	6.65	Incomplete Integration	DVW2	05/02/23 08:01
n-Butanol	7.73	Incomplete Integration	DVW2	05/02/23 08:01
1,4-Dioxane	8.04	Incomplete Integration	DVW2	05/02/23 08:01

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 10193 Analysis Batch Number: 370594Lab Sample ID: IC 410-370594/15 Client Sample ID: _____Date Analyzed: 05/01/23 19:45 Lab File ID: CY01X14.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.72	Incomplete Integration	DVW2	05/02/23 08:02
n-Butanol	7.62	Incomplete Integration	DVW2	05/02/23 08:03

Lab Sample ID: IC 410-370594/16 Client Sample ID: _____Date Analyzed: 05/01/23 20:07 Lab File ID: CY01X15.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.72	Incomplete Integration	DVW2	05/02/23 08:04
Tetrahydrofuran	5.81	Incomplete Integration	DVW2	05/02/23 08:04

Lab Sample ID: IC 410-370594/17 Client Sample ID: _____Date Analyzed: 05/01/23 20:29 Lab File ID: CY01X16.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.72	Incomplete Integration	DVW2	05/02/23 08:05

Lab Sample ID: ICIS 410-370594/18 Client Sample ID: _____Date Analyzed: 05/01/23 20:52 Lab File ID: CY01X17.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.43	Incomplete Integration	DVW2	05/02/23 13:46

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 10193 Analysis Batch Number: 370594Lab Sample ID: IC 410-370594/19 Client Sample ID: _____Date Analyzed: 05/01/23 21:14 Lab File ID: CY01X18.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.72	Incomplete Integration	DVW2	05/02/23 08:06
Carbon disulfide	3.32	Incomplete Integration	DVW2	05/02/23 08:07
Methyl acetate	3.42	Incomplete Integration	DVW2	05/02/23 08:07
t-Butyl alcohol-d10 (IS)	3.65	Incomplete Integration	DVW2	05/02/23 08:07

Lab Sample ID: ICV 410-370594/21 Client Sample ID: _____Date Analyzed: 05/01/23 21:58 Lab File ID: CY01X20.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.73	Incomplete Integration	DVW2	05/02/23 07:54

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 10193 Analysis Batch Number: 371870

Lab Sample ID: CCVIS 410-371870/3 Client Sample ID: _____

Date Analyzed: 05/03/23 20:47 Lab File ID: CY03X01.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.72	Missed Peak	JS6E	05/03/23 21:40

Lab Sample ID: MB 410-371870/6 Client Sample ID: _____

Date Analyzed: 05/03/23 21:56 Lab File ID: CY03X04.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.08	Incomplete Integration	JS6E	05/03/23 22:20

Lab Sample ID: 410-124489-6 Client Sample ID: HD-COD-SW-15-0/1-0

Date Analyzed: 05/03/23 23:48 Lab File ID: CY03X09.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethene	3.05	Incomplete Integration	DVW2	05/04/23 15:21

Lab Sample ID: 410-124489-6 MS Client Sample ID: HD-COD-SW-15-0/1-0 MS MS

Date Analyzed: 05/04/23 00:10 Lab File ID: CY03X10.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.07	Incomplete Integration	DVW2	05/04/23 15:24
Carbon disulfide	3.33	Incomplete Integration	DVW2	05/04/23 15:24

Lab Sample ID: 410-124489-6 MSD Client Sample ID: HD-COD-SW-15-0/1-0 MSD MSD

Date Analyzed: 05/04/23 00:32 Lab File ID: CY03X11.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.34	Incomplete Integration	DVW2	05/04/23 15:25

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 10193 Analysis Batch Number: 371870Lab Sample ID: 410-124489-1 Client Sample ID: HD-COD-SW-6-0/1-0Date Analyzed: 05/04/23 01:17 Lab File ID: CY03X13.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.90	Incomplete Integration	DVW2	05/04/23 15:27

Lab Sample ID: 410-124489-2 Client Sample ID: HD-COD-SW-7-0/1-0Date Analyzed: 05/04/23 01:39 Lab File ID: CY03X14.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.07	Incomplete Integration	DVW2	05/04/23 15:27
Carbon disulfide	3.29	Incomplete Integration	DVW2	05/04/23 15:28
Chloroform	5.95	Incomplete Integration	DVW2	05/04/23 15:28

Lab Sample ID: 410-124489-3 Client Sample ID: HD-COD-SW-8-0/1-0Date Analyzed: 05/04/23 02:01 Lab File ID: CY03X15.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	7.57	Peak assignment corrected	kaewrungr ueangp	05/05/23 09:18
Carbon disulfide		Incomplete Integration	DVW2	05/04/23 15:29

Lab Sample ID: 410-124489-4 Client Sample ID: HD-COD-SW-9-0/1-0Date Analyzed: 05/04/23 02:24 Lab File ID: CY03X16.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.31	Incomplete Integration	DVW2	05/04/23 15:29

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 10193 Analysis Batch Number: 371870

Lab Sample ID: 410-124489-5 Client Sample ID: HD-COD-SW-13-0/1-0

Date Analyzed: 05/04/23 02:46 Lab File ID: CY03X17.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.29	Incomplete Integration	DVW2	05/04/23 15:30
Trichloroethene	7.56	Incomplete Integration	DVW2	05/04/23 15:31
2-Butanone (MEK)		Incomplete Integration	DVW2	05/04/23 15:30

Lab Sample ID: 410-124489-7 Client Sample ID: HD-COD-SW-16-0/1-0

Date Analyzed: 05/04/23 03:08 Lab File ID: CY03X18.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.29	Incomplete Integration	DVW2	05/04/23 15:31
Trichloroethene	7.56	Incomplete Integration	DVW2	05/04/23 15:32
2-Butanone (MEK)		Invalid Compound ID	DVW2	05/04/23 15:32

Lab Sample ID: 410-124489-8 Client Sample ID: HD-COD-SW-17-0/1-0

Date Analyzed: 05/04/23 03:31 Lab File ID: CY03X19.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide		Incomplete Integration	DVW2	05/04/23 15:33

Lab Sample ID: 410-124489-9 Client Sample ID: HD-COD-SW-26-0/1-0

Date Analyzed: 05/04/23 03:53 Lab File ID: CY03X20.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.31	Incomplete Integration	DVW2	05/04/23 15:33
Trichloroethene	7.56	Incomplete Integration	DVW2	05/04/23 15:34

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 10193 Analysis Batch Number: 371870Lab Sample ID: 410-124489-10 Client Sample ID: HD-COD-SW-27-0/1-0Date Analyzed: 05/04/23 04:15 Lab File ID: CY03X21.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.32	Incomplete Integration	DVW2	05/04/23 15:35
Trichloroethene	7.57	Incomplete Integration	DVW2	05/04/23 15:35
2-Butanone (MEK)		Invalid Compound ID	DVW2	05/04/23 15:35

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 10193 Analysis Batch Number: 372041

Lab Sample ID: CCVIS 410-372041/3 Client Sample ID: _____

Date Analyzed: 05/04/23 09:16 Lab File ID: CY04X02.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.08	Incomplete Integration	DVW2	05/04/23 09:49
Methyl acetate	3.43	Incomplete Integration	DVW2	05/04/23 09:49

Lab Sample ID: MB 410-372041/7 Client Sample ID: _____

Date Analyzed: 05/04/23 10:47 Lab File ID: CY04X06.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone		Incomplete Integration	DVW2	05/04/23 11:23
4-Bromofluorobenzene (Surr)	11.79	Incomplete Integration	DVW2	05/04/23 11:23

Lab Sample ID: 410-124489-11 Client Sample ID: HD-COD-SW-28-0/1-0

Date Analyzed: 05/04/23 14:52 Lab File ID: CY04X17.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	5.45	Incomplete Integration	kaewrungr ueangp	05/05/23 12:47
Chloroform	5.94	Incomplete Integration	kaewrungr ueangp	05/05/23 12:47

Lab Sample ID: 410-124489-12 Client Sample ID: HD-COD-SW-29-0/1-0

Date Analyzed: 05/04/23 15:15 Lab File ID: CY04X18.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.08	Baseline	kaewrungr ueangp	05/05/23 12:48
cis-1,2-Dichloroethene	5.46	Baseline	kaewrungr ueangp	05/05/23 12:48
Trichloroethene	7.57	Baseline	kaewrungr ueangp	05/05/23 12:48

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 10193 Analysis Batch Number: 372041Lab Sample ID: 410-124489-13 Client Sample ID: HD-QC1-0/1-1Date Analyzed: 05/04/23 15:37 Lab File ID: CY04X19.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon tetrachloride	6.37	Baseline	kaewrungr ueangp	05/05/23 12:51

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 19094 Analysis Batch Number: 366140Lab Sample ID: IC 410-366140/3 Client Sample ID: _____Date Analyzed: 04/19/23 18:20 Lab File ID: HA19X02.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorodifluoromethane	1.91	Incomplete Integration	K4WN	04/23/23 19:58
Methoxymethane	1.97	Incomplete Integration	K4WN	04/23/23 20:13
Acetonitrile	4.06	Incomplete Integration	K4WN	04/23/23 20:00
Vinyl acetate	5.12	Incomplete Integration	K4WN	04/23/23 20:00
Ethyl acetate	6.01	Incomplete Integration	K4WN	04/23/23 20:00
cis-1,4-Dichloro-2-butene		Invalid Compound ID	K4WN	04/23/23 20:11

Lab Sample ID: IC 410-366140/4 Client Sample ID: _____Date Analyzed: 04/19/23 18:40 Lab File ID: HA19X03.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methoxymethane	1.97	Incomplete Integration	K4WN	04/23/23 20:13
Acetonitrile	3.92	Incomplete Integration	K4WN	04/23/23 20:16
Vinyl acetate	5.14	Incomplete Integration	K4WN	04/23/23 20:02
Ethyl acetate	6.00	Incomplete Integration	K4WN	04/23/23 20:02
cis-1,4-Dichloro-2-butene		Invalid Compound ID	K4WN	04/23/23 20:11

Lab Sample ID: IC 410-366140/5 Client Sample ID: _____Date Analyzed: 04/19/23 19:00 Lab File ID: HA19X04.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methoxymethane	1.98	Incomplete Integration	K4WN	04/23/23 20:13
Acetonitrile	3.82	Incomplete Integration	K4WN	04/23/23 20:16
Vinyl acetate	5.11	Incomplete Integration	K4WN	04/23/23 20:03
Ethyl acetate	6.00	Incomplete Integration	K4WN	04/23/23 20:04
cis-1,4-Dichloro-2-butene	12.01	Incomplete Integration	K4WN	04/23/23 20:11

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 19094 Analysis Batch Number: 366140Lab Sample ID: IC 410-366140/6 Client Sample ID: _____Date Analyzed: 04/19/23 19:21 Lab File ID: HA19X05.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methoxymethane	1.98	Incomplete Integration	K4WN	04/23/23 20:05
Acetonitrile	3.86	Incomplete Integration	K4WN	04/23/23 20:15
Vinyl acetate	5.11	Incomplete Integration	K4WN	04/23/23 20:06
Ethyl acetate	6.01	Incomplete Integration	K4WN	04/23/23 20:06
cis-1,4-Dichloro-2-butene	12.01	Incomplete Integration	K4WN	04/23/23 20:11

Lab Sample ID: IC 410-366140/7 Client Sample ID: _____Date Analyzed: 04/19/23 19:41 Lab File ID: copy_HA19X06.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.90	Incomplete Integration	K4WN	04/23/23 20:08
Vinyl acetate	5.11	Incomplete Integration	K4WN	04/23/23 20:08
cis-1,4-Dichloro-2-butene	12.01	Incomplete Integration	K4WN	04/23/23 20:10

Lab Sample ID: IC 410-366140/8 Client Sample ID: _____Date Analyzed: 04/19/23 20:01 Lab File ID: HA19X07.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.89	Incomplete Integration	K4WN	04/23/23 20:09
cis-1,4-Dichloro-2-butene	12.01	Incomplete Integration	K4WN	04/23/23 20:10

Lab Sample ID: IC 410-366140/9 Client Sample ID: _____Date Analyzed: 04/19/23 20:21 Lab File ID: HA19X08.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.83	Incomplete Integration	K4WN	04/23/23 20:09
cis-1,4-Dichloro-2-butene	12.01	Incomplete Integration	K4WN	04/23/23 20:10

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 19094 Analysis Batch Number: 366140Lab Sample ID: IC 410-366140/13 Client Sample ID: _____Date Analyzed: 04/19/23 21:41 Lab File ID: HA19X12.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorofluoromethane	2.81	Incomplete Integration	K4WN	04/23/23 19:20
Acrolein	3.28	Incomplete Integration	K4WN	04/23/23 19:21
Acetone	3.47	Incomplete Integration	K4WN	04/23/23 19:49
Methyl acetate	3.85	Incomplete Integration	K4WN	04/23/23 19:22
Allyl chloride	3.87	Incomplete Integration	K4WN	04/23/23 19:22
t-Butyl alcohol-d10 (IS)	4.04	Incomplete Integration	K4WN	04/23/23 19:20
Methylene Chloride	4.06	Incomplete Integration	K4WN	04/23/23 19:22
t-Butyl alcohol	4.18	Incomplete Integration	K4WN	04/23/23 19:22
Acrylonitrile	4.39	Incomplete Integration	K4WN	04/23/23 19:22
trans-1,2-Dichloroethene	4.45	Incomplete Integration	K4WN	04/23/23 19:23
n-Hexane	4.89	Incomplete Integration	K4WN	04/23/23 19:23
di-Isopropyl ether	5.18	Incomplete Integration	K4WN	04/23/23 19:23
2-Chloro-1,3-butadiene	5.23	Incomplete Integration	K4WN	04/23/23 19:23
2,2-Dichloropropane	5.97	Incomplete Integration	K4WN	04/23/23 19:24
Propionitrile	6.05	Incomplete Integration	K4WN	04/23/23 19:24
Methacrylonitrile	6.23	Incomplete Integration	K4WN	04/23/23 19:24
Tetrahydrofuran	6.32	Incomplete Integration	K4WN	04/23/23 19:24
1,1,1-Trichloroethane	6.67	Incomplete Integration	K4WN	04/23/23 19:25
Cyclohexane	6.79	Incomplete Integration	K4WN	04/23/23 19:24
Carbon tetrachloride	6.89	Incomplete Integration	K4WN	04/23/23 19:25
Isobutyl alcohol	7.06	Incomplete Integration	K4WN	04/23/23 19:25
Fluorobenzene (IS)	7.56	Incomplete Integration	K4WN	04/23/23 19:26
n-Heptane	7.58	Incomplete Integration	K4WN	04/23/23 19:26
n-Butanol	7.99	Incomplete Integration	K4WN	04/23/23 19:26
1,4-Dioxane	8.40	Incomplete Integration	K4WN	04/23/23 19:27
Dibromomethane	8.50	Incomplete Integration	K4WN	04/23/23 19:27
Bromodichloromethane	8.73	Incomplete Integration	K4WN	04/23/23 19:27
2-Nitropropane	9.00	Incomplete Integration	K4WN	04/23/23 19:27

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 19094 Analysis Batch Number: 366140Lab Sample ID: IC 410-366140/14 Client Sample ID: _____Date Analyzed: 04/19/23 22:01 Lab File ID: HA19X13.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.90	Incomplete Integration	K4WN	04/23/23 19:29
1,3-Butadiene	2.20	Incomplete Integration	K4WN	04/23/23 19:29
Acetone	3.45	Incomplete Integration	K4WN	04/23/23 19:50
Methyl acetate	3.86	Incomplete Integration	K4WN	04/23/23 19:30
1,1-Dichloroethane	5.12	Incomplete Integration	K4WN	04/23/23 19:32
2-Butanone (MEK)	5.93	Incomplete Integration	K4WN	04/23/23 19:30
Propionitrile	6.01	Incomplete Integration	K4WN	04/23/23 19:30
n-Butanol	7.97	Incomplete Integration	K4WN	04/23/23 19:31
Dibromomethane	8.49	Incomplete Integration	K4WN	04/23/23 19:31
Bromodichloromethane	8.74	Incomplete Integration	K4WN	04/23/23 19:31
2-Nitropropane	9.00	Incomplete Integration	K4WN	04/23/23 19:31

Lab Sample ID: IC 410-366140/15 Client Sample ID: _____Date Analyzed: 04/19/23 22:21 Lab File ID: HA19X14.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.90	Incomplete Integration	K4WN	04/23/23 19:32
Acetone	3.46	Incomplete Integration	K4WN	04/23/23 19:33
Methyl acetate	3.87	Incomplete Integration	K4WN	04/23/23 19:33
Acrylonitrile	4.38	Incomplete Integration	K4WN	04/23/23 19:33
n-Butanol	7.94	Incomplete Integration	K4WN	04/23/23 19:35
1,4-Dioxane	8.48	Incomplete Integration	K4WN	04/23/23 19:35

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 19094 Analysis Batch Number: 366140Lab Sample ID: IC 410-366140/16 Client Sample ID: _____Date Analyzed: 04/19/23 22:41 Lab File ID: HA19X15.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.47	Incomplete Integration	K4WN	04/23/23 19:35
Methyl acetate	3.84	Incomplete Integration	K4WN	04/23/23 19:36
1,4-Dioxane	8.48	Incomplete Integration	K4WN	04/23/23 19:36

Lab Sample ID: IC 410-366140/17 Client Sample ID: _____Date Analyzed: 04/19/23 23:01 Lab File ID: HA19X16.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.84	Incomplete Integration	K4WN	04/23/23 19:37
1,4-Dioxane	8.49	Incomplete Integration	K4WN	04/23/23 19:38

Lab Sample ID: ICIS 410-366140/18 Client Sample ID: _____Date Analyzed: 04/19/23 23:21 Lab File ID: HA19X17.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.84	Incomplete Integration	K4WN	04/23/23 19:39
1,4-Dioxane	8.48	Incomplete Integration	K4WN	04/23/23 19:40

Lab Sample ID: IC 410-366140/19 Client Sample ID: _____Date Analyzed: 04/19/23 23:41 Lab File ID: HA19X18.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.90	Incomplete Integration	K4WN	04/23/23 19:40
Methyl acetate	3.84	Incomplete Integration	K4WN	04/23/23 19:40
1,4-Dioxane	8.48	Incomplete Integration	K4WN	04/23/23 19:41

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 19094 Analysis Batch Number: 366140Lab Sample ID: ICV 410-366140/21 Client Sample ID: _____Date Analyzed: 04/20/23 00:21 Lab File ID: HA19X20.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrolein	3.29	Incomplete Integration	K4WN	04/23/23 20:23
Acetone	3.45	Incomplete Integration	K4WN	04/23/23 20:24
Methyl acetate	3.86	Incomplete Integration	K4WN	04/23/23 20:24
1,4-Dioxane	8.48	Incomplete Integration	K4WN	04/23/23 20:25

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 19930 Analysis Batch Number: 355532Lab Sample ID: IC 410-355532/3 Client Sample ID: _____Date Analyzed: 03/21/23 01:00 Lab File ID: IM21X02.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorodifluoromethane	1.92	Incomplete Integration	K4WN	03/21/23 16:39
Methoxymethane	1.99	Incomplete Integration	K4WN	03/21/23 16:39
Acetonitrile	3.84	Incomplete Integration	K4WN	03/21/23 16:40
Cyclohexanone	12.00	Incomplete Integration	K4WN	03/21/23 16:56

Lab Sample ID: IC 410-355532/4 Client Sample ID: _____Date Analyzed: 03/21/23 01:20 Lab File ID: IM21X03.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methoxymethane	1.98	Incomplete Integration	K4WN	03/21/23 16:42
Acetonitrile	3.91	Incomplete Integration	K4WN	03/21/23 16:42
cis-1,4-Dichloro-2-butene	11.97	Peak assignment corrected	DVW2	03/21/23 10:23
Cyclohexanone	12.00	Incomplete Integration	K4WN	03/21/23 16:55

Lab Sample ID: IC 410-355532/5 Client Sample ID: _____Date Analyzed: 03/21/23 01:40 Lab File ID: IM21X04.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.90	Incomplete Integration	K4WN	03/21/23 16:43
Vinyl acetate	5.14	Incomplete Integration	K4WN	03/21/23 16:44
Cyclohexanone	12.00	Incomplete Integration	K4WN	03/21/23 16:55

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 19930 Analysis Batch Number: 355532Lab Sample ID: IC 410-355532/6 Client Sample ID: _____Date Analyzed: 03/21/23 02:00 Lab File ID: IM21X05.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorodifluoromethane	1.91	Incomplete Integration	K4WN	03/21/23 16:44
Methoxymethane	1.98	Incomplete Integration	K4WN	03/21/23 16:45
Acetonitrile	3.92	Incomplete Integration	K4WN	03/21/23 16:45
cis-1,4-Dichloro-2-butene	11.97	Incomplete Integration	K4WN	03/21/23 16:45
Cyclohexanone	12.01	Incomplete Integration	K4WN	03/21/23 16:55

Lab Sample ID: IC 410-355532/7 Client Sample ID: _____Date Analyzed: 03/21/23 02:20 Lab File ID: IM21X06.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methoxymethane	1.98	Incomplete Integration	K4WN	03/21/23 16:46
Acetonitrile	3.92	Incomplete Integration	K4WN	03/21/23 16:46
t-Butyl alcohol-d10 (IS)	4.17	Incomplete Integration	K4WN	03/21/23 16:46
cis-1,4-Dichloro-2-butene	11.97	Incomplete Integration	K4WN	03/21/23 16:47
Cyclohexanone	12.00	Incomplete Integration	K4WN	03/21/23 16:54

Lab Sample ID: IC 410-355532/8 Client Sample ID: _____Date Analyzed: 03/21/23 02:41 Lab File ID: IM21X07.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methoxymethane	1.98	Incomplete Integration	K4WN	03/21/23 16:47
Vinyl acetate	5.17	Incomplete Integration	K4WN	03/21/23 16:47
Ethyl acetate	6.06	Incomplete Integration	K4WN	03/21/23 16:48
cis-1,4-Dichloro-2-butene	11.97	Incomplete Integration	K4WN	03/21/23 16:48
Cyclohexanone	12.01	Incomplete Integration	K4WN	03/21/23 16:54

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 19930 Analysis Batch Number: 355532Lab Sample ID: IC 410-355532/9 Client Sample ID: _____Date Analyzed: 03/21/23 03:01 Lab File ID: IM21X08.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl acetate	5.18	Incomplete Integration	K4WN	03/21/23 16:48
Ethyl acetate	6.05	Incomplete Integration	K4WN	03/21/23 16:48
cis-1,4-Dichloro-2-butene	11.97	Incomplete Integration	K4WN	03/21/23 16:49
Cyclohexanone	12.01	Incomplete Integration	K4WN	03/21/23 16:54

Lab Sample ID: IC 410-355532/12 Client Sample ID: _____Date Analyzed: 03/21/23 04:01 Lab File ID: IM21X11.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.87	Incomplete Integration	K4WN	03/21/23 15:38
1,4-Dioxane	8.53	Incomplete Integration	K4WN	03/21/23 15:38

Lab Sample ID: ICIS 410-355532/13 Client Sample ID: _____Date Analyzed: 03/21/23 04:22 Lab File ID: IM21X12.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.90	Incomplete Integration	K4WN	03/21/23 15:43
Methyl acetate	3.88	Incomplete Integration	K4WN	03/21/23 15:43

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 19930 Analysis Batch Number: 355532Lab Sample ID: IC 410-355532/14 Client Sample ID: _____Date Analyzed: 03/21/23 04:42 Lab File ID: IM21X13.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.49	Incomplete Integration	K4WN	03/21/23 16:13
Methyl acetate	3.89	Incomplete Integration	K4WN	03/21/23 15:46
t-Butyl alcohol-d10 (IS)	4.14	Incomplete Integration	K4WN	03/21/23 16:12
t-Butyl alcohol	4.27	Incomplete Integration	K4WN	03/21/23 15:47
Acrylonitrile	4.43	Incomplete Integration	K4WN	03/21/23 15:47
1,2-Dichloroethane	7.24	Incomplete Integration	K4WN	03/21/23 15:48
1,4-Dioxane	8.53	Incomplete Integration	K4WN	03/21/23 15:48

Lab Sample ID: IC 410-355532/15 Client Sample ID: _____Date Analyzed: 03/21/23 05:02 Lab File ID: IM21X14.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.48	Incomplete Integration	K4WN	03/21/23 15:49
t-Butyl alcohol-d10 (IS)	4.14	Incomplete Integration	K4WN	03/21/23 16:08

Lab Sample ID: IC 410-355532/16 Client Sample ID: _____Date Analyzed: 03/21/23 05:22 Lab File ID: IM21X15.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.50	Incomplete Integration	K4WN	03/21/23 15:52
Methyl acetate	3.89	Incomplete Integration	K4WN	03/21/23 15:52
trans-1,4-Dichloro-2-butene	12.19	Incomplete Integration	K4WN	03/21/23 16:27

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 19930 Analysis Batch Number: 355532Lab Sample ID: IC 410-355532/17 Client Sample ID: _____Date Analyzed: 03/21/23 05:42 Lab File ID: IM21X16.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.89	Incomplete Integration	K4WN	03/21/23 15:54
Acrylonitrile	4.46	Incomplete Integration	K4WN	03/21/23 15:55
t-Amyl methyl ether	7.37	Incomplete Integration	K4WN	03/21/23 15:55
n-Butanol	7.99	Incomplete Integration	K4WN	03/21/23 16:07
1,4-Dioxane	8.52	Incomplete Integration	K4WN	03/21/23 15:56

Lab Sample ID: IC 410-355532/18 Client Sample ID: _____Date Analyzed: 03/21/23 06:02 Lab File ID: IM21X17.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.50	Incomplete Integration	K4WN	03/21/23 16:02
Methyl acetate	3.94	Incomplete Integration	K4WN	03/21/23 15:57
t-Butyl alcohol	4.25	Incomplete Integration	K4WN	03/21/23 15:57
Propionitrile	6.08	Incomplete Integration	K4WN	03/21/23 15:57
n-Butanol	8.17	Incomplete Integration	K4WN	03/21/23 15:57
Methyl methacrylate	8.48	Incomplete Integration	K4WN	03/21/23 15:58
Dibromomethane	8.49	Incomplete Integration	K4WN	03/21/23 15:58
1,4-Dioxane	8.56	Incomplete Integration	K4WN	03/21/23 15:58

Lab Sample ID: ICV 410-355532/19 Client Sample ID: _____Date Analyzed: 03/21/23 06:23 Lab File ID: IM21X18.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.89	Incomplete Integration	K4WN	03/21/23 17:38

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 19930 Analysis Batch Number: 372381

Lab Sample ID: CCVIS 410-372381/3 Client Sample ID: _____

Date Analyzed: 05/04/23 21:17 Lab File ID: IY04X32.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	2.90	Incomplete Integration	K4WN	05/04/23 21:53

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_CCV_CYC_00005	06/23/23	01/23/23	50/50 MeOH/Water, Lot EB679	200 mL	MSV_VCYC_STK_00009	9.615 mL	Cyclohexanone	6249.75 ug/mL
.MSV_VCYC_STK_00009	06/23/23	01/23/23	50/50 MeOH/Water, Lot EB679	10 mL	MSV_CYC_00008	1.3 g	Cyclohexanone	130000 ug/mL
..MSV_CYC_00008	06/30/25		Chem Service, Lot 13529800		(Purchased Reagent)		Cyclohexanone	1 g/g
MSV_CCV_V5ACE_00022	04/05/23	03/06/23	Methanol, Lot EB679	10 mL	MSV_AcetatesV_00035	1 mL	Acetonitrile	5000 ug/mL
							Ethyl acetate	1000 ug/mL
							Vinyl acetate	1000 ug/mL
.MSV_AcetatesV_00035	10/31/23		Restek, Lot A0184542		(Purchased Reagent)		Acetonitrile	50000 ug/mL
							Ethyl acetate	10000 ug/mL
							Vinyl acetate	10000 ug/mL
MSV_CCV_V5ACE_00023	05/05/23	04/06/23	Methanol, Lot EB679	10 mL	MSV_AcetatesV_00034	1 mL	Acetonitrile	5000 ug/mL
							Ethyl acetate	1000 ug/mL
							Vinyl acetate	1000 ug/mL
.MSV_AcetatesV_00034	05/05/23		Restek, Lot A0184542		(Purchased Reagent)		Acetonitrile	50000 ug/mL
							Ethyl acetate	10000 ug/mL
							Vinyl acetate	10000 ug/mL
MSV_DME_00045	03/29/23		Restek, Lot A0190883		(Purchased Reagent)		Dimethyl ether	1000 ug/mL
MSV_DME_00047	05/19/23		Restek, Lot A0190883		(Purchased Reagent)		Dimethyl ether	1000 ug/mL
MSV_HP25_ISO_00008	10/10/23	04/10/23	Methanol, Lot EG095	10 mL	MSV_Cus826_IS_00555	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_00555	04/30/25		Restek, Lot A0184225		(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_00067	09/15/23	03/15/23	Methanol, Lot EB679	10 mL	MSV_Cus826_IS_00550	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_00550	04/30/25		Restek, Lot A0184225		(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_00067	09/15/23	03/15/23	Methanol, Lot EB679	10 mL	MSV_8260_SS_00860	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_00860	03/31/25		Restek, Lot A0183565		(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_00068	10/10/23	04/10/23	Methanol, Lot EG095	10 mL	MSV_8260_SS_00885	1 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
					MSV_Cus826_IS_00555	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_00885	03/31/25		Restek, Lot A0183565			(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_00555	04/30/25		Restek, Lot A0184225			(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_00069	11/02/23	05/02/23	Methanol, Lot EG095	10 mL	MSV_Cus826_IS_00564	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_00564	04/30/25		Restek, Lot A0184225			(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_00069	11/02/23	05/02/23	Methanol, Lot EG095	10 mL	MSV_8260_SS_00902	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_00902	03/31/25		Restek, Lot A0183565			(Purchased Reagent)	1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
MSV_LCS_VOC#1_00101	04/18/23	03/19/23	Methanol, Lot EB679	25 mL	MSV_M_MIX1SEC_00123	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

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	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_00121	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00121	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_00123	04/30/25		Restek, Lot A0184354		(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_00121	04/30/25		Restek, Lot A0184412		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00121	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration				
					Reagent ID	Volume Added						
							Acetone	12500 ug/mL				
MSV_LCS_VOC#1_00105	05/16/23	04/16/23	Methanol, Lot EG095	25 mL	MSV_M_MIX1SEC_00138	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_00124					1 mL	Carbon disulfide	40 ug/mL
					MSV_Q_Ketones_00126					1 mL	Methyl tert-butyl ether	40 ug/mL
											2-Butanone (MEK)	500 ug/mL
											2-Hexanone	500 ug/mL
											4-Methyl-2-pentanone (MIBK)	500 ug/mL
											Acetone	500 ug/mL
.MSV_M_MIX1SEC_00138	04/30/25		Restek, Lot A0184354				(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				

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00124	04/30/25		Restek, Lot A0184412			(Purchased Reagent)	Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00126	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_00107	05/30/23	04/30/23	Methanol, Lot EG095	25 mL	MSV_M_MIX1SEC_00127	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSV_M_MIX2SEC_00126	1 mL	Carbon disulfide	40 ug/mL
					MSV_Q_Ketones_00127	1 mL	Methyl tert-butyl ether	40 ug/mL
							2-Butanone (MEK)	500 ug/mL
.MSV_M_MIX1SEC_00127	04/30/25		Restek, Lot A0184354		(Purchased Reagent)		2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone (MIBK)	500 ug/mL
							Acetone	500 ug/mL
							1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
		cis-1,3-Dichloropropene	1000 ug/mL					
		Dibromochloromethane	1000 ug/mL					
		Ethylbenzene	1000 ug/mL					
		Methylene Chloride	1000 ug/mL					
		Styrene	1000 ug/mL					
		Tetrachloroethene	1000 ug/mL					
		Toluene	1000 ug/mL					
		trans-1,2-Dichloroethene	1000 ug/mL					
		trans-1,3-Dichloropropene	1000 ug/mL					
		Trichloroethene	1000 ug/mL					
.MSV_M_MIX2SEC_00126	04/30/25		Restek, Lot A0184412		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
.MSV_Q_Ketones_00127	04/30/25		Restek, Lot A0184721		(Purchased Reagent)		Methyl tert-butyl ether	1000 ug/mL
							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_00108	06/06/23	05/07/23	Methanol, Lot EG095	25 mL	MSV_M_MIX1SEC_00144	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							

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration	
					Reagent ID	Volume Added			
							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_00127		
	Methyl tert-butyl ether	40 ug/mL							
MSV_Q_Ketones_00129	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_00144	04/30/25		Restek, Lot A0184354				(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-Dichloropropene	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	

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00127	04/30/25		Restek, Lot A0184412			(Purchased Reagent)	Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00129	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_LL_#1_826_00068	03/25/23	02/27/23	Methanol, Lot EB679	1 mL	MSV_CCV_VOC#1_00112	50 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane (EDB)	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							2-Nitropropane	250 ug/mL
							3-Chloro-1-propene	50 ug/mL
							Acrylonitrile	125 ug/mL
							Benzyl chloride	50 ug/mL
							Carbon disulfide	50 ug/mL
							Cyclohexane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	2500 ug/mL
							Isopropyl ether	50 ug/mL
							Methacrylonitrile	500 ug/mL
							Methyl acetate	50 ug/mL
							Methyl methacrylate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							n-Butanol	4375 ug/mL
							n-Heptane	50 ug/mL
							Propionitrile	1000 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
							Tetrahydrofuran	250 ug/mL
							trans-1,4-Dichloro-2-butene	500 ug/mL
					MSV_CCV_VOC#3_00113	200 uL	Acrolein	2499.84 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00182	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_00112	03/25/23	02/23/23	Methanol, Lot EB679	5 mL	MSV_MegaMIX#1_00113	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,1-Dichloropropene	1000 ug/mL
							1,2,3-Trichlorobenzene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00109	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL
							1,2,3-Trimethylbenzene	1000 ug/mL
							1,3,5-Trichlorobenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Nitropropane	5000 ug/mL
							3-Chloro-1-propene	1000 ug/mL
							Acrylonitrile	2500 ug/mL
							Benzyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Hexane	1000 ug/mL
							Iodomethane	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
		Isopropyl ether	1000 ug/mL					
		Methacrylonitrile	2500 ug/mL					
		Methyl acetate	1000 ug/mL					
		Methyl methacrylate	1000 ug/mL					
		Methyl tert-butyl ether	1000 ug/mL					
		Methylcyclohexane	1000 ug/mL					
		n-Butanol	12500 ug/mL					
		n-Heptane	1000 ug/mL					
		Propionitrile	5000 ug/mL					
		Tert-amyl methyl ether	1000 ug/mL					
		Tert-butyl ethyl ether	1000 ug/mL					
		Tetrahydrofuran	5000 ug/mL					
		trans-1,4-Dichloro-2-butene	2500 ug/mL					
..MSV_MegaMIX#1_00113	03/25/23		Restek, Lot A0184527		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

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-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m-Xylene & p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00109	03/25/23		Restek, Lot A0186885			(Purchased Reagent)	1,1,2-Trichloro-1,2,2-trifluoroethane	5000 ug/mL
							1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Nitropropane	25000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Acrylonitrile	12500 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Hexane	5000 ug/mL
							Iodomethane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
.MSV_CCV_VOC#3_00113	03/25/23	02/23/23	Methanol, Lot EB679	5 mL	MSV_CCV_ACR_00009	0.5 mL	Acrolein	12499.2 ug/mL
					MSV_V_Ketones_00101	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_00009	04/10/23	02/09/23	Methanol, Lot EB679	10 mL	MSV_VACR_STK_00031	9.205 mL	Acrolein	124992 ug/mL
...MSV_VACR_STK_00031	04/10/23	02/09/23	Methanol, Lot EB679	10 mL	MSV_ACROLEIN_00024	1.4648 g	Acrolein	135787 ug/mL
...MSV_ACROLEIN_00024	11/30/23		Chem Service, Lot 13910600			(Purchased Reagent)	Acrolein	0.927 g/g
..MSV_V_Ketones_00101	01/31/25		Restek, Lot A0180742			(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_00182	03/25/23	02/23/23	Methanol, Lot EB679	5 mL	MSV_V#2B_00310	1 mL	1,4-Dioxane	12500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00310	04/30/24		Restek, Lot A0184378		(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_00072	05/09/23	04/10/23	Methanol, Lot EG095	1 mL	MSV_CCV_VOC#1_00119	50 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dibromoethane (EDB)	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Methylene Chloride	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							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_00120	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_00119	05/09/23	04/09/23	Methanol, Lot EB679	5 mL	MSV_MegaMIX#1_00120	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00114	1 mL	Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
..MSV_MegaMIX#1_00120	05/09/23		Restek, Lot A0184527			(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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00114	05/09/23		Restek, Lot A0186885			(Purchased Reagent)	Carbon disulfide	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
.MSV_CCV_VOC#3_00120	05/09/23	04/09/23	Methanol, Lot EB679	5 mL	MSV_V_Ketones_00116	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_00116	01/31/25		Restek, Lot A0180742			(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_00073	05/09/23	04/17/23	Methanol, Lot EG095	1 mL	MSV_CCV_VOC#1_00121	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

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-trifluor oethane	50 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							2-Nitropropane	250 ug/mL
							3-Chloro-1-propene	50 ug/mL
							Acrylonitrile	125 ug/mL
							Benzyl chloride	50 ug/mL
							Carbon disulfide	50 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration					
					Reagent ID	Volume Added							
							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					
					MSV_CCV_VOC#3_00121	200 uL	trans-1,4-Dichloro-2-butene	500 ug/mL					
												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_00190	150 uL
												1,4-Dioxane	2500 ug/mL
												2-Methyl-2-propanol	1000 ug/mL
												Isobutyl alcohol	2500 ug/mL
Methacrylonitrile	500 ug/mL												
.MSV_CCV_VOC#1_00121	05/09/23	04/16/23	Methanol, Lot EG095	5 mL	MSV_MegaMIX#1_00125	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL					
							1,1,1-Trichloroethane	1000 ug/mL					
							1,1,2,2-Tetrachloroethane	1000 ug/mL					
							1,1,2-Trichloroethane	1000 ug/mL					
							1,1-Dichloroethane	1000 ug/mL					
							1,1-Dichloroethene	1000 ug/mL					
							1,1-Dichloropropene	1000 ug/mL					
							1,2,3-Trichlorobenzene	1000 ug/mL					
							1,2,3-Trichloropropane	1000 ug/mL					
							1,2,4-Trichlorobenzene	1000 ug/mL					
							1,2,4-Trimethylbenzene	1000 ug/mL					
							1,2-Dibromo-3-Chloropropane	1000 ug/mL					
							1,2-Dibromoethane (EDB)	1000 ug/mL					
							1,2-Dichlorobenzene	1000 ug/mL					
							1,2-Dichloroethane	1000 ug/mL					
							1,2-Dichloropropane	1000 ug/mL					
							1,3,5-Trimethylbenzene	1000 ug/mL					
							1,3-Dichlorobenzene	1000 ug/mL					
							1,3-Dichloropropane	1000 ug/mL					
							1,4-Dichlorobenzene	1000 ug/mL					
2,2-Dichloropropane	1000 ug/mL												
2-Chlorotoluene	1000 ug/mL												
4-Chlorotoluene	1000 ug/mL												
4-Isopropyltoluene	1000 ug/mL												
Benzene	1000 ug/mL												
Bromobenzene	1000 ug/mL												
Bromochloromethane	1000 ug/mL												
Bromodichloromethane	1000 ug/mL												
Bromoform	1000 ug/mL												
Carbon tetrachloride	1000 ug/mL												

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00111	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL
							1,2,3-Trimethylbenzene	1000 ug/mL
							1,3,5-Trichlorobenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Nitropropane	5000 ug/mL
							3-Chloro-1-propene	1000 ug/mL
							Acrylonitrile	2500 ug/mL
							Benzyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Hexane	1000 ug/mL
							Iodomethane	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropyl ether	1000 ug/mL
							Methacrylonitrile	2500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl methacrylate	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
							n-Butanol	12500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00125	04/30/24		Restek, Lot A0184527			(Purchased Reagent)	1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dibromoethane (EDB)	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m-Xylene & p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
..MSV_MegaMix#2_00111	05/16/23		Restek, Lot A0186885			(Purchased Reagent)	1,1,2-Trichloro-1,2,2-trifluoroethane	5000 ug/mL
							1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Nitropropane	25000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Acrylonitrile	12500 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Hexane	5000 ug/mL
							Iodomethane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
.MSV_CCV_VOC#3_00121	05/16/23	04/16/23	Methanol, Lot EG095	5 mL	MSV_CCV_ACR_00010	0.5 mL	Acrolein	12500.3 ug/mL
					MSV_V_Ketones_00114	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_00010	06/03/23	04/04/23	Methanol, Lot EB679	10 mL	MSV_VACR_STK_00032	8.683 mL	Acrolein	125003 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
...MSV VACR STK 00032	06/03/23	04/04/23	Methanol, Lot EB679	10 mL	MSV ACROLEIN 00025	1.553 g	Acrolein	143963 ug/mL
...MSV ACROLEIN 00025	11/30/23		Chem Service, Lot 13892700		(Purchased Reagent)		Acrolein	0.927 g/g
..MSV_V_Ketones_00114	01/31/25		Restek, Lot A0180742		(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_00190	05/16/23	04/16/23	Methanol, Lot EG095	5 mL	MSV_V#2B_00318	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_00318	04/30/24		Restek, Lot A0184378		(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_00075	05/23/23	05/01/23	Methanol, Lot EG095	1 mL	MSV_CCV_VOC#1_00123	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration												
					Reagent ID	Volume Added														
							Methyl tert-butyl ether	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_00123	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_00191	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																			
.MSV_CCV_VOC#1_00123	05/30/23	04/30/23	Methanol, Lot EG095	5 mL	MSV_MegaMIX#1_00123	1 mL	trans-1,4-Dichloro-2-butene	500 ug/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												

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

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_00112	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL
							1,2,3-Trimethylbenzene	1000 ug/mL
							1,3,5-Trichlorobenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Nitropropane	5000 ug/mL
							3-Chloro-1-propene	1000 ug/mL
							Acrylonitrile	2500 ug/mL
							Benzyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Hexane	1000 ug/mL
							Iodomethane	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropyl ether	1000 ug/mL
							Methacrylonitrile	2500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl methacrylate	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl tert-butyl ether	1000 ug/mL
							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_00123	05/30/25		Restek, Lot A0184527		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dibromoethane (EDB)	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m-Xylene & p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
..MSV_MegaMix#2_00112	05/30/23		Restek, Lot A0186885			(Purchased Reagent)	1,1,2-Trichloro-1,2,2-trifluoroethane	5000 ug/mL
							1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Nitropropane	25000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Acrylonitrile	12500 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Hexane	5000 ug/mL
							Iodomethane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
.MSV_CCV_VOC#3_00123	05/30/23	04/30/23	Methanol, Lot EG095	5 mL	MSV_CCV_ACR_00010	0.5 mL	Acrolein	12500.3 ug/mL
					MSV_V_Ketones_00117	1 mL	2-Butanone (MEK)	2500 ug/mL
							2-Hexanone	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Methyl-2-pentanone (MIBK)	2500 ug/mL
							Acetone	2500 ug/mL
..MSV_CCV_ACR_00010	06/03/23	04/04/23	Methanol, Lot EB679	10 mL	MSV_VACR_STK_00032	8.683 mL	Acrolein	125003 ug/mL
...MSV_VACR_STK_00032	06/03/23	04/04/23	Methanol, Lot EB679	10 mL	MSV_ACROLEIN_00025	1.553 g	Acrolein	143963 ug/mL
...MSV_ACROLEIN_00025	11/30/23		Chem Service, Lot 13892700				Acrolein	0.927 g/g
..MSV_V_Ketones_00117	01/31/25		Restek, Lot A0180742				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_00191	05/23/23	04/23/23	Methanol, Lot EG095	5 mL	MSV_V#2B_00319	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_00319	04/30/24		Restek, Lot A0184378				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_00076	05/23/23	05/08/23	Methanol, Lot EG095	1 mL	MSV_CCV_VOC#1_00124	50 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dibromoethane (EDB)	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Methylene Chloride	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

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	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_00124	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_00124	06/06/23	05/07/23	Methanol, Lot EG095	5 mL	MSV_MegaMIX#1_00122	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00113	1 mL	Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_MegaMIX#1_00122	06/06/23		Restek, Lot A0184527			(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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00113	06/06/24		Restek, Lot A0186885			(Purchased Reagent)	Carbon disulfide	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
.MSV_CCV_VOC#3_00124	06/03/23	05/07/23	Methanol, Lot EG095	5 mL	MSV_V_Ketones_00118	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_00118	01/31/25		Restek, Lot A0180742			(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_00077	03/29/23	03/20/23	Methanol, Lot EB679	1 mL	MSV_CCV_EE_00004	50 uL	Ethyl ether	49.9996 ug/mL
					MSV_V_PentaCL_00030	10 uL	Pentachloroethane	50 ug/mL
.MSV_CCV_EE_00004	05/17/23	11/17/22	Methanol, Lot EB679	50 mL	MSV_EE_MISCSK_00011	1.067 mL	Ethyl ether	999.992 ug/mL
..MSV_EE_MISCSK_00011	05/17/23	11/17/22	Methanol, Lot EB679	10 mL	MSV_EE_Neat_00008	0.4686 g	Ethyl ether	46860 ug/mL
...MSV_EE_Neat_00008	12/31/25		Chem Service, Lot 1326900			(Purchased Reagent)	Ethyl ether	1 g/g
.MSV_V_PentaCL_00030	04/01/23		Restek, Lot A0184174			(Purchased Reagent)	Pentachloroethane	5000 ug/mL
MSV_LL_#2_826_00081	04/26/23	04/19/23	Methanol, Lot EG095	1 mL	MSV_CCV_EE_00004	50 uL	Ethyl ether	49.9996 ug/mL
					MSV_V_PentaCL_00032	10 uL	Pentachloroethane	50 ug/mL
.MSV_CCV_EE_00004	05/17/23	11/17/22	Methanol, Lot EB679	50 mL	MSV_EE_MISCSK_00011	1.067 mL	Ethyl ether	999.992 ug/mL
..MSV_EE_MISCSK_00011	05/17/23	11/17/22	Methanol, Lot EB679	10 mL	MSV_EE_Neat_00008	0.4686 g	Ethyl ether	46860 ug/mL
...MSV_EE_Neat_00008	12/31/25		Chem Service, Lot 1326900			(Purchased Reagent)	Ethyl ether	1 g/g
.MSV_V_PentaCL_00032	04/27/23		Restek, Lot A0184174			(Purchased Reagent)	Pentachloroethane	5000 ug/mL
MSV_LL_#2_826_00083	05/17/23	05/01/23	Methanol, Lot EG095	1 mL	MSV_CCV_EE_00004	50 uL	Ethyl ether	49.9996 ug/mL
					MSV_V_PentaCL_00043	10 uL	Pentachloroethane	50 ug/mL
.MSV_CCV_EE_00004	05/17/23	11/17/22	Methanol, Lot EB679	50 mL	MSV_EE_MISCSK_00011	1.067 mL	Ethyl ether	999.992 ug/mL
..MSV_EE_MISCSK_00011	05/17/23	11/17/22	Methanol, Lot EB679	10 mL	MSV_EE_Neat_00008	0.4686 g	Ethyl ether	46860 ug/mL
...MSV_EE_Neat_00008	12/31/25		Chem Service, Lot 1326900			(Purchased Reagent)	Ethyl ether	1 g/g
.MSV_V_PentaCL_00043	05/24/23		Restek, Lot A0184174			(Purchased Reagent)	Pentachloroethane	5000 ug/mL
MSV_LL_GAS826_00141	03/27/23	03/20/23	Methanol, Lot EB679	1 mL	MSV_CCV_GASES_00421	25 uL	1,2-Dichloro-1,1,2-trifluoroethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00421	03/27/23		Restek, Lot A0184815		(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_00145	04/23/23	04/17/23	Methanol, Lot EG095	1 mL	MSV_CCV_GASES_00444	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_00444	04/23/23		Restek, Lot A0184815		(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_00148	05/08/23	05/01/23	Methanol, Lot EG095	1 mL	MSV_CCV_GASES_00458	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration				
					Reagent ID	Volume Added						
.MSV_CCV_GASES_00458	05/08/23		Restek, Lot A0184815			(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_00149	05/15/23	05/08/23	Methanol, Lot EG095	1 mL	MSV_CCV_GASES_00465	25 uL	Bromomethane	50 ug/mL				
							Chloroethane	50 ug/mL				
							Chloromethane	50 ug/mL				
							Vinyl chloride	50 ug/mL				
.MSV_CCV_GASES_00465	05/15/23		Restek, Lot A0184815			(Purchased Reagent)	Bromomethane	2000 ug/mL				
							Chloroethane	2000 ug/mL				
							Chloromethane	2000 ug/mL				
							Vinyl chloride	2000 ug/mL				
MSV_LLcentISO_00005	04/27/23	10/27/22	Methanol, Lot EB679	50 mL	MSV_Cus826_IS_00505	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_00505	04/30/25		Restek, Lot A0184225			(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_00006	04/27/23	10/27/22	Methanol, Lot EB679	50 mL	MSV_8260_SS_00779	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_00505					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_00779	03/31/25		Restek, Lot A0183565			(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_00505	04/30/25		Restek, Lot A0184225			(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_00007	10/05/23	04/05/23	Methanol, Lot EG095	50 mL	MSV_8260_SS_00879	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_00552	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL				

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobenzene-d5 (IS)	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
							t-Butyl alcohol-d10 (IS)	250 ug/mL
.MSV_8260_SS_00879	03/31/25		Restek, Lot A0183565		(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_00552	04/30/25		Restek, Lot A0184225		(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_00008	10/05/23	04/19/23	Methanol, Lot EG095	50 mL	MSV_Cus826_IS_00552	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_00552	04/30/25		Restek, Lot A0184225		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_QC_Gas826_00131	03/26/23	03/20/23	Methanol, Lot EB679	1 mL	MSV_QC_2K_GAS_00134	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00134	03/26/23		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_00135	04/23/23	04/17/23	Methanol, Lot EG095	1 mL	MSV_QC_2K_GAS_00140	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00140	04/23/23		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_00137	05/07/23	05/01/23	Methanol, Lot EG095	1 mL	MSV_QC_2K_GAS_00146	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00146	05/07/23		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_00138	05/14/23	05/08/23	Methanol, Lot EG095	1 mL	MSV_QC_2K_GAS_00147	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-124489-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSV_QC_2K_GAS_00147	05/14/23		Restek, Lot A0184924		(Purchased Reagent)		Vinyl chloride	40 ug/mL
							Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
.MSV_V_BFB_00011							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Xylenes, Total	
.MSV_VBFB_STK_00009	06/18/23	12/18/22	Methanol, Lot EB679	10 mL	MSV_VBFB_STK_00009	0.127 mL	BFB	50.1498 ug/mL
..MSV_4BFB_NEAT_00007	02/28/25		Chem Service, Lot 13233000		MSV_4BFB_NEAT_00007	0.9872 g	BFB	98720 ug/mL
					(Purchased Reagent)		BFB	1 g/g
MSV_V_SMRV4_00054	03/29/23	03/20/23	Methanol, Lot EB679	1 mL	MSV_CCV_LKB_00005	400 uL	cis-1,4-Dichloro-2-butene	400.029 ug/mL
.MSV_CCV_LKB_00005	06/19/23	02/08/23	Methanol, Lot EB679	50 mL	MSV_V_SMFreeon_00026	100 uL	Chlorodifluoromethane	200 ug/mL
..MSV_Vc14d_STK_00008	06/19/23	02/08/23	Methanol, Lot EB679	10 mL	MSV_Vc14d_STK_00008	0.946 mL	cis-1,4-Dichloro-2-butene	1000.07 ug/mL
...MSV_c14dcb_Nt_00004	08/16/27		Aldrich, Lot SHBH4584V		MSV_c14dcb_Nt_00004	0.5564 g	cis-1,4-Dichloro-2-butene	52858 ug/mL
					(Purchased Reagent)		cis-1,4-Dichloro-2-butene	0.95 g/g
.MSV_V_SMFreeon_00026	03/29/23		Restek, Lot A0172146		(Purchased Reagent)		Chlorodifluoromethane	2000 ug/mL
MSV_V_SMRV4_00058	05/16/23	04/19/23	Methanol, Lot EG095	1 mL	MSV_CCV_2CEVE_00116	200 uL	2-Chloroethyl vinyl ether	200 ug/mL
.MSV_CCV_2CEVE_00116	05/16/23	04/16/23	Methanol, Lot EG095	5 mL	MSV_CCV_LKB_00005	400 uL	cis-1,4-Dichloro-2-butene	400.029 ug/mL
..MSV_V_2CLEVE_00123	04/30/25		Restek, Lot A0184487		MSV_V_SMFreeon_00043	100 uL	Chlorodifluoromethane	200 ug/mL
.MSV_CCV_LKB_00005	06/19/23	02/08/23	Methanol, Lot EB679	50 mL	MSV_V_2CLEVE_00123	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_Vc14d_STK_00008	06/19/23	02/08/23	Methanol, Lot EB679	10 mL	(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
...MSV_c14dcb_Nt_00004	08/16/27		Aldrich, Lot SHBH4584V		MSV_Vc14d_STK_00008	0.946 mL	cis-1,4-Dichloro-2-butene	1000.07 ug/mL
.MSV_V_SMFreeon_00043	05/29/23		Restek, Lot A0184508		MSV_c14dcb_Nt_00004	0.5564 g	cis-1,4-Dichloro-2-butene	52858 ug/mL
					(Purchased Reagent)		cis-1,4-Dichloro-2-butene	0.95 g/g
					(Purchased Reagent)		Chlorodifluoromethane	2000 ug/mL

Reagent

MSV_4BFB_NEAT_00007

CERTIFICATE OF ANALYSIS

4-Bromofluorobenzene

CATALOG NUMBER N-10809-1G
LOT NUMBER 13233000
DATE CERTIFIED 05/12/22
EXPIRATION DATE 05/31/25
CAS NUMBER 460-00-4
MOLECULAR FORMULA C6H4BrF
MOLECULAR WEIGHT 175.00
STORAGE Store at room temperature (20 - 25 °C).
HANDLING See Safety Data Sheet
INTENDED USE For laboratory use only.

<u>Analytical Test</u>	<u>Value</u>
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE
% PURITY (GC/FID)	99.5
GC/MS SPECTRA ID	MATCHES NIST LIBRARY

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

Certified By:

Mary Beth O'Donnell

Mary Beth O'Donnell
CSM/TC

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



COA Form
Revision 3 (3/2015)

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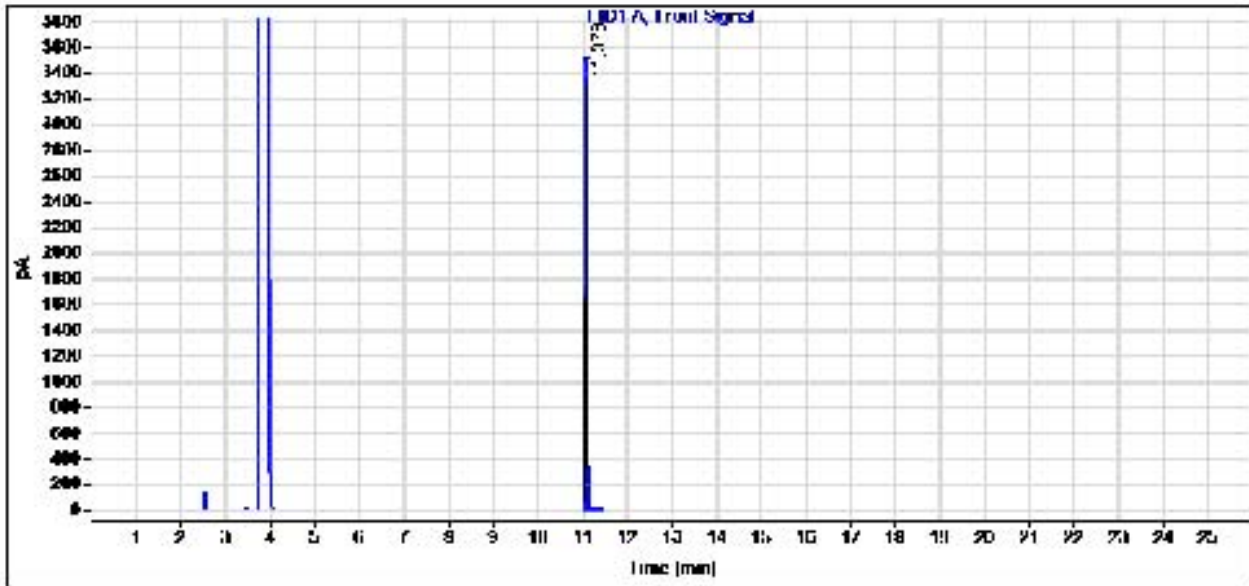
05/12/2023

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CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2022 DATA\0522\FID010815.D
Sample name: N-10809
Instrument: GC 1
Injection date: 5/12/2022 11:36:15 AM
Acq. method: MIX1.M
Column name: DB-624 (30m x 0.53mm x 3.0um)
Sample type: Sample
Location: Vial 43
Injection volume: 1.0uL



Signal: FID1 A, Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
11.078	BB	0.0355	7895.3311	3478.6162	100.0000
Sum			7895.3311		

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



Reagent

MSV_8260_SS_00779



CERTIFIED REFERENCE MATERIAL

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. : 55671 **Lot No.:** A0183565

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, 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	Dibromofluoromethane	2,500.5 µg/mL	+/-	14.5381	µg/mL	Gravimetric
	CAS # 1868-53-7 (Lot 012021)		+/-	140.2006	µg/mL	Unstressed
	Purity 99%		+/-	143.4811	µg/mL	Stressed
2	1,2-Dichloroethane-d4	2,500.5 µg/mL	+/-	14.5381	µg/mL	Gravimetric
	CAS # 17060-07-0 (Lot PR-32845)		+/-	140.2006	µg/mL	Unstressed
	Purity 99%		+/-	143.4811	µg/mL	Stressed
3	Toluene-d8	2,500.5 µg/mL	+/-	14.5381	µg/mL	Gravimetric
	CAS # 2037-26-5 (Lot PR-31958)		+/-	140.2006	µg/mL	Unstressed
	Purity 99%		+/-	143.4811	µg/mL	Stressed
4	1-Bromo-4-fluorobenzene (BFB)	2,502.0 µg/mL	+/-	14.5468	µg/mL	Gravimetric
	CAS # 460-00-4 (Lot 20401KO)		+/-	140.2847	µg/mL	Unstressed
	Purity 99%		+/-	143.5671	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)

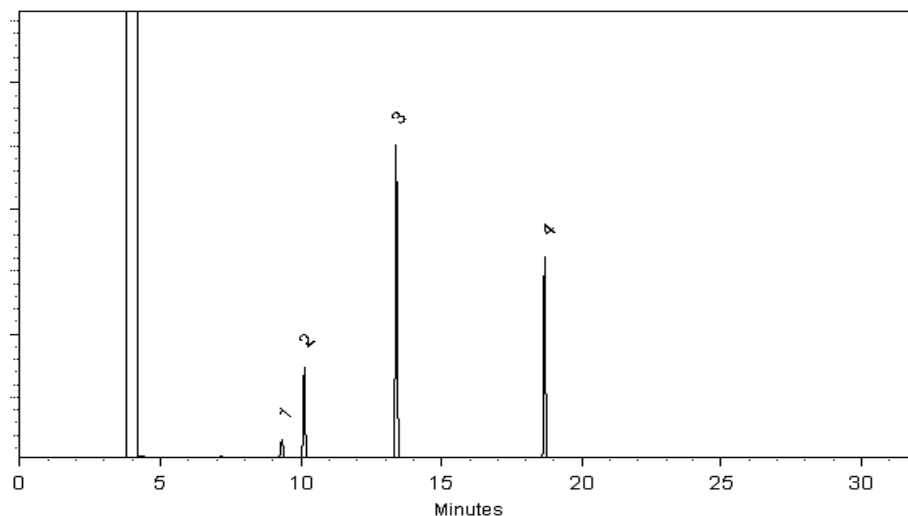
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Russ Bookhamer - Operations Technician I

Date Mixed: 31-Mar-2022

Balance: 1127510105

Fang-Yun Lo - QC Analyst

Date Passed: 04-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:

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

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

- 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_AcetatesV_00034



CERTIFIED REFERENCE MATERIAL

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. : 577489 **Lot No.:** A0184542

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

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

Expiration Date : October 31, 2023 **Storage:** -20°C or colder

Ship: On Ice

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Acetonitrile	50,150.0 µg/mL (Lot SHBH6233)	+/-	293.6393	µg/mL	Gravimetric
	CAS # 75-05-8		+/-	2,481.0559	µg/mL	Unstressed
	Purity 99%		+/-	2,542.7375	µg/mL	Stressed
2	Vinyl acetate	10,064.0 µg/mL (Lot RD210830)	+/-	59.0612	µg/mL	Gravimetric
	CAS # 108-05-4		+/-	497.9092	µg/mL	Unstressed
	Purity 99%		+/-	510.2869	µg/mL	Stressed
3	Ethyl acetate	10,082.2 µg/mL (Lot SHBN3179)	+/-	59.1682	µg/mL	Gravimetric
	CAS # 141-78-6		+/-	498.8116	µg/mL	Unstressed
	Purity 98%		+/-	511.2118	µg/mL	Stressed
4	Isopropyl acetate	10,082.0 µg/mL (Lot BCBZ4645)	+/-	59.1668	µg/mL	Gravimetric
	CAS # 108-21-4		+/-	498.7997	µg/mL	Unstressed
	Purity 99%		+/-	511.1996	µg/mL	Stressed
5	Propyl acetate	10,062.0 µg/mL (Lot TFFKL)	+/-	59.0495	µg/mL	Gravimetric
	CAS # 109-60-4		+/-	497.8102	µg/mL	Unstressed
	Purity 99%		+/-	510.1855	µg/mL	Stressed
6	Butyl acetate	10,070.0 µg/mL (Lot SHBN3806)	+/-	59.0964	µg/mL	Gravimetric
	CAS # 123-86-4		+/-	498.2060	µg/mL	Unstressed
	Purity 99%		+/-	510.5911	µg/mL	Stressed

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

Tech Tips:

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

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

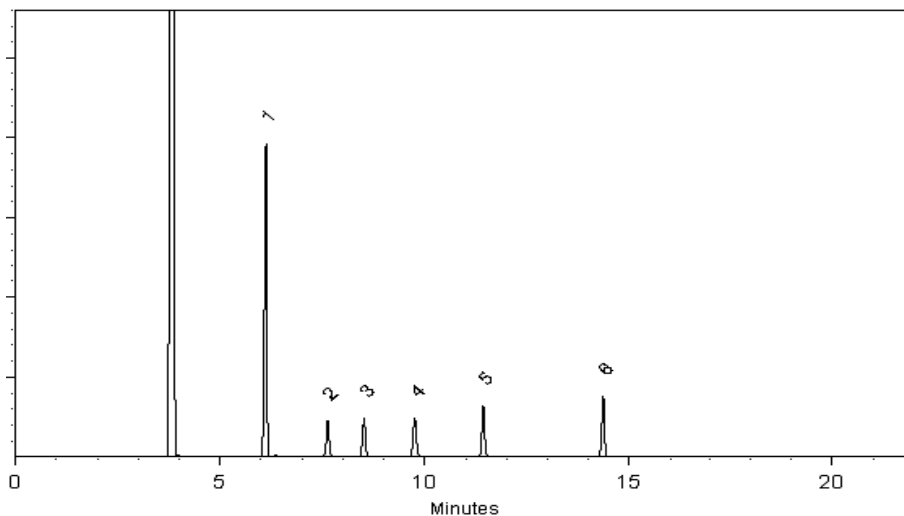
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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: 26-Apr-2022 **Balance:** B707717271


Fang-Yun Lo - GC Analyst

Date Passed: 05-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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Reagent

MSV_AcetatesV_00035



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

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Rtx-502.2 (cat.#10910)

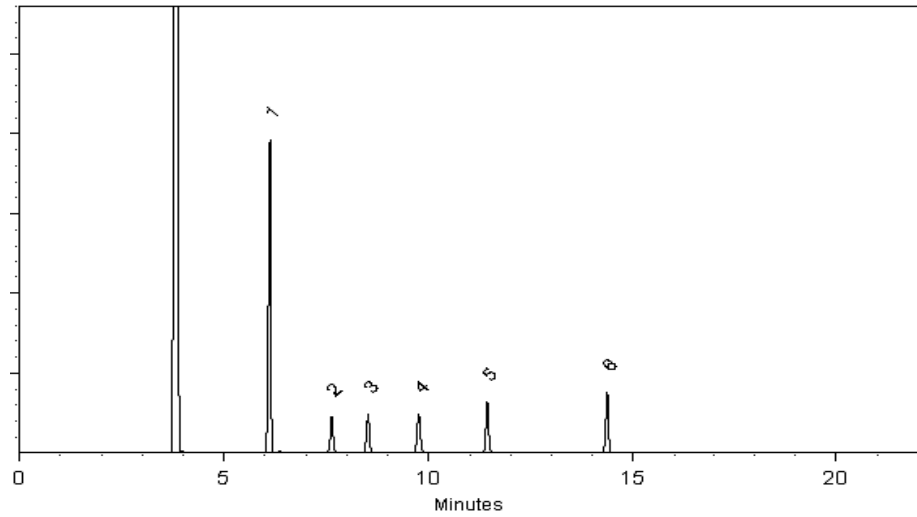
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
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@ 8°C/min. (hold 5 min.)

Inj. Temp:
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Det. Temp:
250°C

Det. Type:
FID



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Tom Suckar - Mix Technician

Date Mixed: 26-Apr-2022 **Balance:** B707717271


Fang-Yun Lo - GC Analyst

Date Passed: 05-May-2022

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

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Reagent

MSV_c14dcb_Nt_00004

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

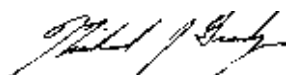
Product Name:

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_CYC_00008

CERTIFICATE OF ANALYSIS

Cyclohexanone

CATALOG NUMBER N-11531-1G
LOT NUMBER 13529800
DATE CERTIFIED 06/20/22
EXPIRATION DATE 06/30/27
CAS NUMBER 108-94-1
MOLECULAR FORMULA C₆H₁₀O
MOLECULAR WEIGHT 98.16
STORAGE Store at room temperature (20 - 25 °C).
HANDLING See Safety Data Sheet
INTENDED USE For laboratory use only.

<u>Analytical Test</u>	<u>Value</u>
% PURITY (GC/FID)	99.5
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE
PHYSICAL APPEARANCE	COLORLESS LIQUID
GC/MS SPECTRA ID	MATCHES NIST

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



COA Form
Revision 3 (3/2015)

Print Date: 08/09/22

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05/12/2023

Page 1 of 7

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

Certified By:



Kristin R Jones

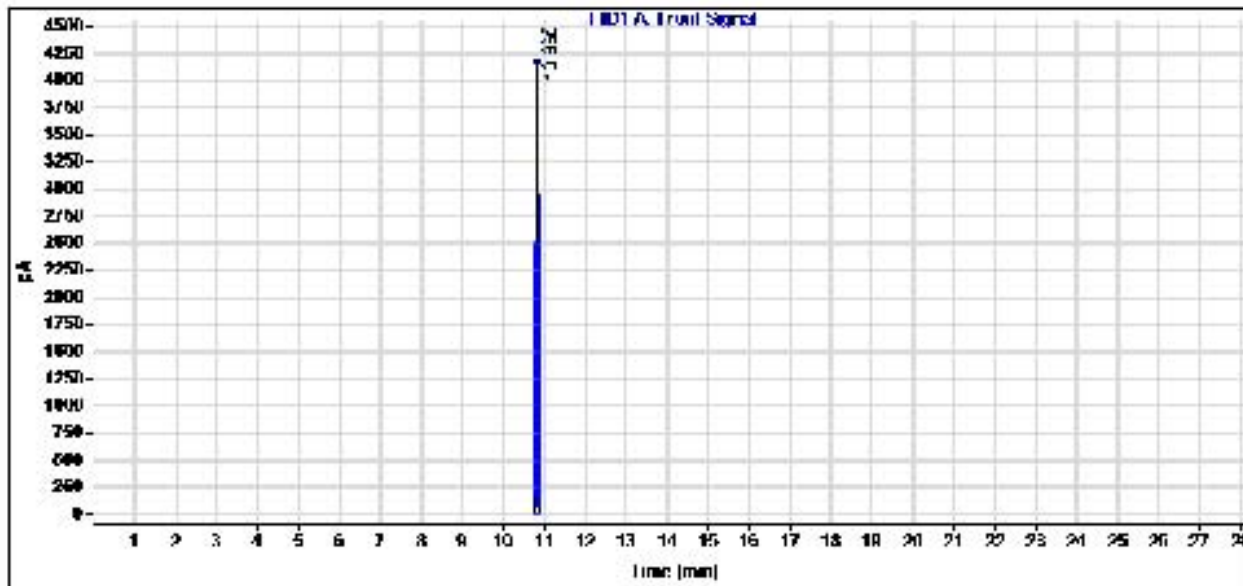
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CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2022 DATA\0622\FID010805.D
Sample name: N-11531
Instrument: GC 1 Sample type: Sample
Injection date: 6/17/2022 1:49:46 PM Location: Vial 51
Acq. method: SCREEN NEAT-FRANNY.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%
10.835	BB	0.0350	9220.0693	4132.2539	100.0000
	Sum		9220.0693		

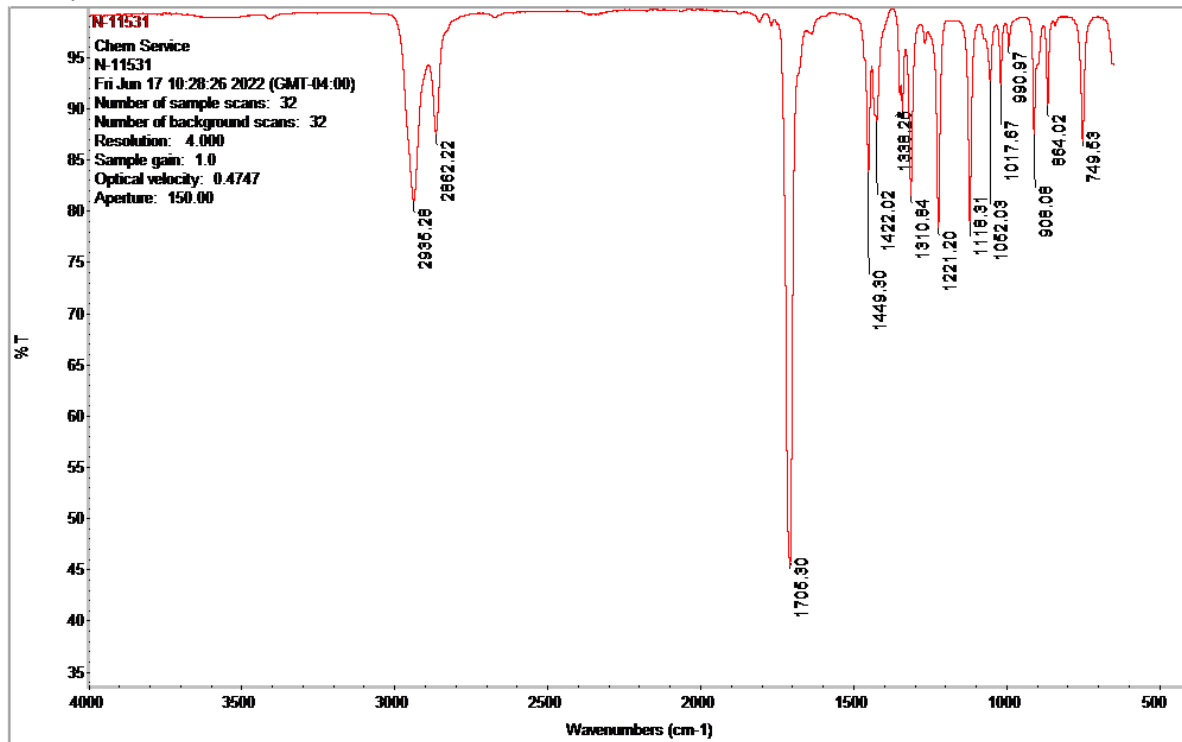
Chem Service, Inc. is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.



CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number: N-11531-1G
Description: Cyclohexanone
Lot Number: 13529800
Expiration Date: 06/30/27



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

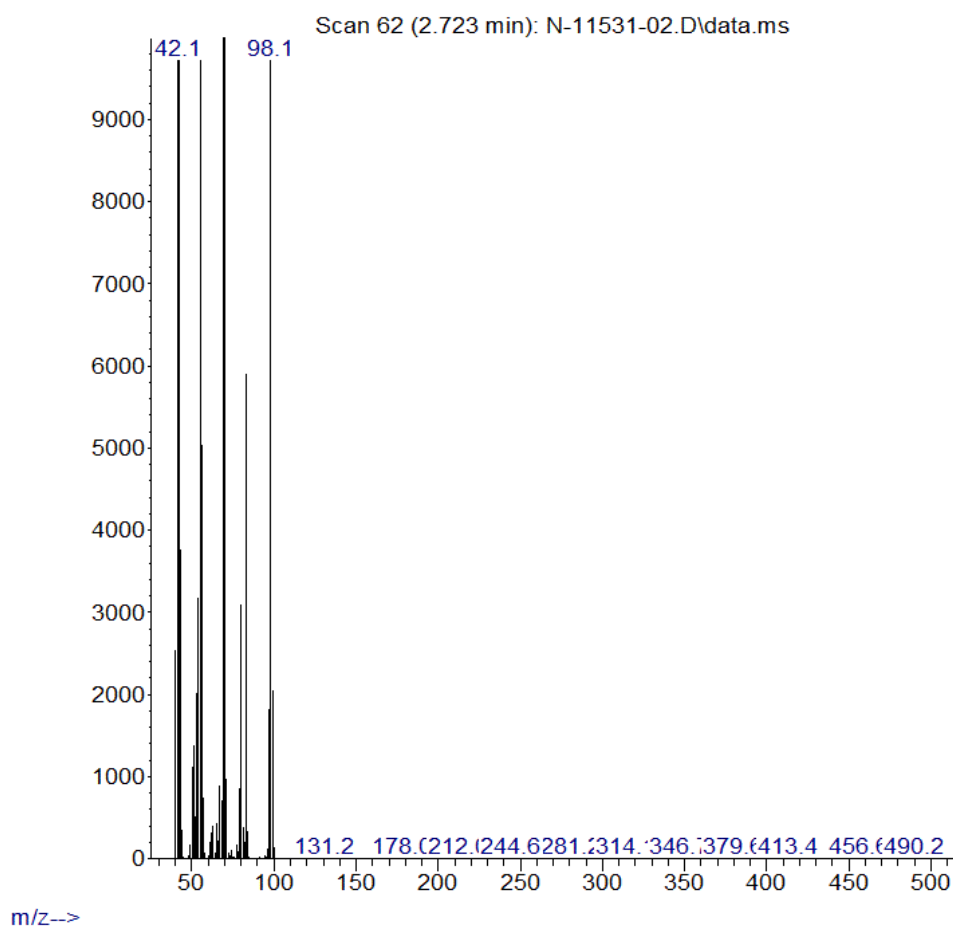


CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number: N-11531-1G
Description: Cyclohexanone
Lot Number: 13529800
Expiration Date: 06/30/27

Abundance



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



CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number: N-11531-1G
Description: Cyclohexanone
Lot Number: 13529800
Expiration Date: 06/30/27

ChemService Area Percent Report

Data Path : D:\MassHunter\GCMS\1\data\2022\0622\
Data File : N-11531-02.D
Acq On : 17 Jun 2022 12:40
Operator :
Sample : N-11531
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration Parameters: autoint1.e
Integrator: ChemStation

Method : D:\MassHunter\GCMS\1\methods\SCREEN NO SD.M
Title :

Signal : TIC: N-11531-02.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.723	58	62	80	BV 2	106211218	1767870280	100.00%	100.000%

Sum of corrected areas: 1767870280

SCREEN NO SD.M Fri Jun 17 13:13:05 2022

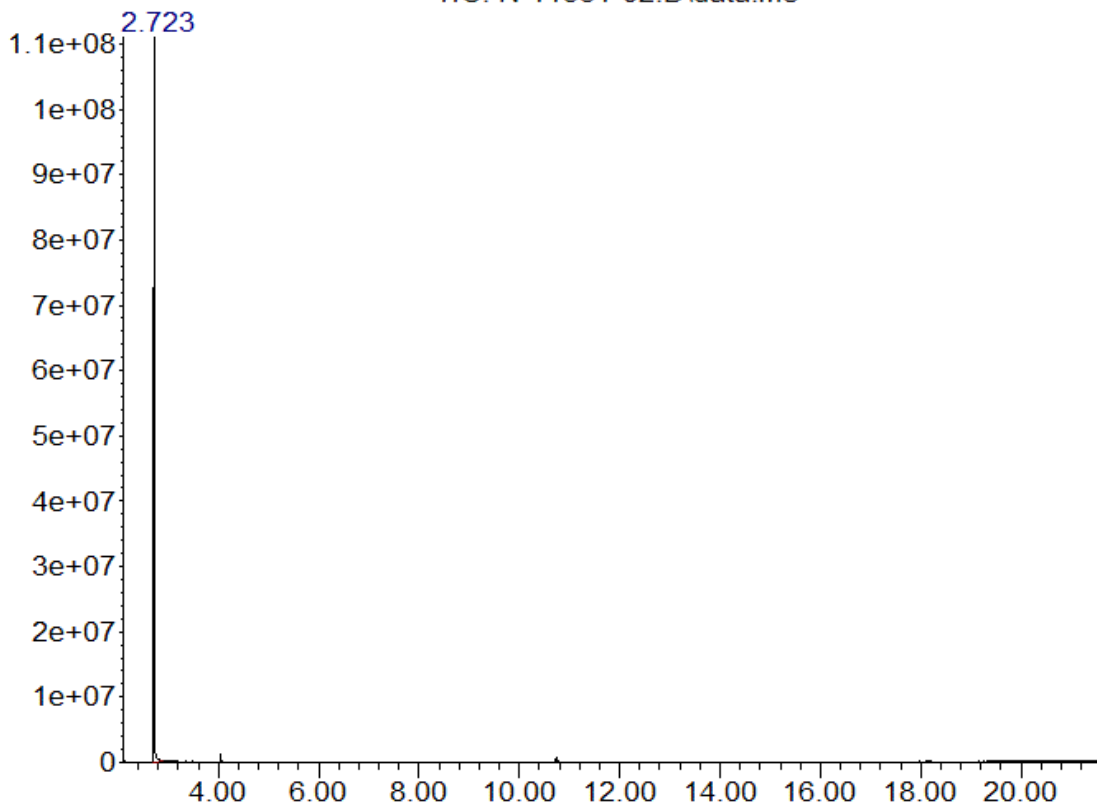
CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number: N-11531-1G
Description: Cyclohexanone
Lot Number: 13529800
Expiration Date: 06/30/27

Abundance

TIC: N-11531-02.D\data.ms



Time-->

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



Reagent

MSV_MegaMix#2_00109



CERTIFIED REFERENCE MATERIAL

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. : 577487 **Lot No.:** A0186885

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 : June 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	n-Pentane (C5)	5,031.0 µg/mL	+/- 35.9016 µg/mL Gravimetric	
	CAS # 109-66-0 (Lot SHBN6009)			+/- 249.7418 µg/mL Unstressed
	Purity 99%			+/- 255.9092 µg/mL Stressed
2	2-Propanol (isopropanol)	25,031.0 µg/mL	+/- 146.5620 µg/mL Gravimetric	
	CAS # 67-63-0 (Lot SHBN6065)			+/- 1,238.3511 µg/mL Unstressed
	Purity 99%			+/- 1,269.1379 µg/mL Stressed
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	5,009.5 µg/mL	+/- 35.7482 µg/mL Gravimetric	
	CAS # 76-13-1 (Lot 00016133)			+/- 248.6745 µg/mL Unstressed
	Purity 99%			+/- 254.8156 µg/mL Stressed
4	tert-Butanol (TBA)	25,112.0 µg/mL	+/- 147.0363 µg/mL Gravimetric	
	CAS # 75-65-0 (Lot 101619K21F-1)			+/- 1,242.3584 µg/mL Unstressed
	Purity 99%			+/- 1,273.2448 µg/mL Stressed
5	Methyl acetate	5,011.0 µg/mL	+/- 35.7589 µg/mL Gravimetric	
	CAS # 79-20-9 (Lot SHBM1320)			+/- 248.7490 µg/mL Unstressed
	Purity 99%			+/- 254.8919 µg/mL Stressed
6	Iodomethane (methyl iodide)	5,012.0 µg/mL	+/- 35.7660 µg/mL Gravimetric	
	CAS # 74-88-4 (Lot RD220125)			+/- 248.7986 µg/mL Unstressed
	Purity 99%			+/- 254.9428 µg/mL Stressed
7	Allyl chloride (3-chloropropene)	5,021.7 µg/mL	+/- 35.8350 µg/mL Gravimetric	
	CAS # 107-05-1 (Lot RP220405A)			+/- 249.2785 µg/mL Unstressed
	Purity 99%			+/- 255.4345 µg/mL Stressed

8	Carbon disulfide CAS # 75-15-0 Purity 99%	(Lot N28F701)	5,017.2	µg/mL	+/- +/- +/-	35.8029 249.0551 255.2056	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	Acrylonitrile CAS # 107-13-1 Purity 99%	(Lot SHBK4954)	12,534.0	µg/mL	+/- +/- +/-	73.3893 620.0908 635.5069	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	Methyl-tert-butyl ether (MTBE) CAS # 1634-04-4 Purity 99%	(Lot SHBN6497)	5,014.5	µg/mL	+/- +/- +/-	35.7839 248.9227 255.0699	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	n-Hexane (C6) CAS # 110-54-3 Purity 99%	(Lot STBG6381)	5,014.7	µg/mL	+/- +/- +/-	35.7850 248.9310 255.0784	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	Diisopropyl ether (DIPE) CAS # 108-20-3 Purity 99%	(Lot STBK3450)	5,021.0	µg/mL	+/- +/- +/-	35.8302 249.2454 255.4006	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	Chloroprene (2-chloro-1,3-butadiene) CAS # 126-99-8 Purity 99%	(Lot 220304JEAN)	5,026.3	µg/mL	+/- +/- +/-	35.8683 249.5101 255.6718	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	Ethyl-tert-butyl ether (ETBE) CAS # 637-92-3 Purity 99%	(Lot MKCN9957)	5,009.2	µg/mL	+/- +/- +/-	35.7458 248.6580 254.7986	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	Propionitrile CAS # 107-12-0 Purity 99%	(Lot BCCF4167)	25,070.0	µg/mL	+/- +/- +/-	146.7904 1,240.2806 1,271.1153	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	Methacrylonitrile CAS # 126-98-7 Purity 99%	(Lot 1012014)	12,539.0	µg/mL	+/- +/- +/-	73.4186 620.3382 635.7604	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	Isobutanol (2-Methyl-1-propanol) CAS # 78-83-1 Purity 99%	(Lot SHBM4836)	62,525.0	µg/mL	+/- +/- +/-	366.0976 3,093.2805 3,170.1827	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	Tetrahydrofuran CAS # 109-99-9 Purity 99%	(Lot SHBP0039)	25,065.0	µg/mL	+/- +/- +/-	146.7611 1,240.0332 1,270.8617	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	Cyclohexane CAS # 110-82-7 Purity 99%	(Lot EA003-US)	5,008.5	µg/mL	+/- +/- +/-	35.7410 248.6249 254.7647	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	1-Butanol CAS # 71-36-3 Purity 99%	(Lot SHBN6854)	62,524.0	µg/mL	+/- +/- +/-	366.0918 3,093.2311 3,170.1320	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
21	tert-Amyl methyl ether (TAME) CAS # 994-05-8 Purity 99%	(Lot HMBG7745V)	5,009.2	µg/mL	+/- +/- +/-	35.7458 248.6580 254.7986	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
22	n-Heptane (C7) CAS # 142-82-5 Purity 99%	(Lot SGBL9221)	5,016.7	µg/mL	+/- +/- +/-	35.7993 249.0303 255.1801	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
23	tert-Amyl ethyl ether (TAEE) CAS # 919-94-8 Purity 99%	(Lot 76U3A)	5,010.8	µg/mL	+/- +/- +/-	35.7577 248.7407 254.8834	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

24	Methylcyclohexane CAS # 108-87-2 Purity 99%	(Lot SHBL0078)	5,022.3	µg/mL	+/-	35.8398 249.3116 255.4684	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
25	Methyl methacrylate CAS # 80-62-6 Purity 99%	(Lot MKCQ2755)	5,011.5	µg/mL	+/-	35.7625 248.7738 254.9173	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
26	1,4-Dioxane CAS # 123-91-1 Purity 99%	(Lot SHBN5929)	62,598.0	µg/mL	+/-	366.5251 3,096.8920 3,173.8840	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
27	2-Nitropropane CAS # 79-46-9 Purity 97%	(Lot BCCB9352)	25,086.1	µg/mL	+/-	146.8849 1,241.0791 1,271.9336	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
28	Ethyl methacrylate CAS # 97-63-2 Purity 99%	(Lot MKCL0907)	5,017.7	µg/mL	+/-	35.8065 249.0799 255.2310	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
29	1-Chlorohexane CAS # 544-10-5 Purity 98%	(Lot BCBS3368V)	5,022.3	µg/mL	+/-	35.8398 249.3117 255.4685	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
30	trans-1,4-dichloro-2-butene CAS # 110-57-6 Purity 95%	(Lot RD220405A)	12,586.6	µg/mL	+/-	73.6970 622.6906 638.1714	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
31	1,2,3-Trimethylbenzene CAS # 526-73-8 Purity 98%	(Lot 8776.10-36)	5,012.4	µg/mL	+/-	35.7687 248.8172 254.9617	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
32	1,3-Diethylbenzene CAS # 141-93-5 Purity 98%	(Lot BCBT8967)	5,012.0	µg/mL	+/-	35.7664 248.8009 254.9451	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
33	Benzyl chloride CAS # 100-44-7 Purity 99%	(Lot SHBH2102V)	5,020.8	µg/mL	+/-	35.8291 249.2371 255.3921	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
34	1,4-Diethylbenzene CAS # 105-05-5 Purity 99%	(Lot 1135.72-1)	5,011.7	µg/mL	+/-	35.7636 248.7821 254.9258	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
35	1,2-Diethylbenzene CAS # 135-01-3 Purity 99%	(Lot ECH2970181)	5,011.3	µg/mL	+/-	35.7613 248.7655 254.9088	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
36	1,3,5-Trichlorobenzene CAS # 108-70-3 Purity 99%	(Lot 11319AS)	5,013.2	µg/mL	+/-	35.7743 248.8565 255.0021	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
37	2-Methylnaphthalene CAS # 91-57-6 Purity 96%	(Lot STBK0259)	5,013.1	µg/mL	+/-	35.7740 248.8542 254.9997	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

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

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

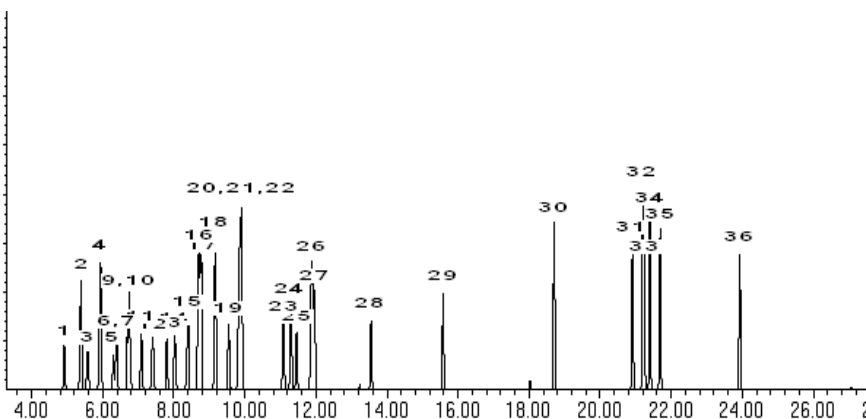
Carrier Gas:
helium-constant pressure 30 psi

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.

Miranda Kline

Miranda Kline - Operations Technician I

Date Mixed: 30-Jun-2022

Balance: B707717271

Christie Mills

Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Jul-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:

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

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

- 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_MegaMix#2_00111



CERTIFIED REFERENCE MATERIAL

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. : 577487 **Lot No.:** A0186885

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 : June 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	n-Pentane (C5)	5,031.0 µg/mL	+/-	35.9016	µg/mL	Gravimetric
	CAS # 109-66-0 (Lot SHBN6009)		+/-	249.7418	µg/mL	Unstressed
	Purity 99%		+/-	255.9092	µg/mL	Stressed
2	2-Propanol (isopropanol)	25,031.0 µg/mL	+/-	146.5620	µg/mL	Gravimetric
	CAS # 67-63-0 (Lot SHBN6065)		+/-	1,238.3511	µg/mL	Unstressed
	Purity 99%		+/-	1,269.1379	µg/mL	Stressed
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	5,009.5 µg/mL	+/-	35.7482	µg/mL	Gravimetric
	CAS # 76-13-1 (Lot 00016133)		+/-	248.6745	µg/mL	Unstressed
	Purity 99%		+/-	254.8156	µg/mL	Stressed
4	tert-Butanol (TBA)	25,112.0 µg/mL	+/-	147.0363	µg/mL	Gravimetric
	CAS # 75-65-0 (Lot 101619K21F-1)		+/-	1,242.3584	µg/mL	Unstressed
	Purity 99%		+/-	1,273.2448	µg/mL	Stressed
5	Methyl acetate	5,011.0 µg/mL	+/-	35.7589	µg/mL	Gravimetric
	CAS # 79-20-9 (Lot SHBM1320)		+/-	248.7490	µg/mL	Unstressed
	Purity 99%		+/-	254.8919	µg/mL	Stressed
6	Iodomethane (methyl iodide)	5,012.0 µg/mL	+/-	35.7660	µg/mL	Gravimetric
	CAS # 74-88-4 (Lot RD220125)		+/-	248.7986	µg/mL	Unstressed
	Purity 99%		+/-	254.9428	µg/mL	Stressed
7	Allyl chloride (3-chloropropene)	5,021.7 µg/mL	+/-	35.8350	µg/mL	Gravimetric
	CAS # 107-05-1 (Lot RP220405A)		+/-	249.2785	µg/mL	Unstressed
	Purity 99%		+/-	255.4345	µg/mL	Stressed

8	Carbon disulfide CAS # 75-15-0 Purity 99%	(Lot N28F701)	5,017.2	µg/mL	+/- +/- +/-	35.8029 249.0551 255.2056	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	Acrylonitrile CAS # 107-13-1 Purity 99%	(Lot SHBK4954)	12,534.0	µg/mL	+/- +/- +/-	73.3893 620.0908 635.5069	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	Methyl-tert-butyl ether (MTBE) CAS # 1634-04-4 Purity 99%	(Lot SHBN6497)	5,014.5	µg/mL	+/- +/- +/-	35.7839 248.9227 255.0699	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	n-Hexane (C6) CAS # 110-54-3 Purity 99%	(Lot STBG6381)	5,014.7	µg/mL	+/- +/- +/-	35.7850 248.9310 255.0784	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	Diisopropyl ether (DIPE) CAS # 108-20-3 Purity 99%	(Lot STBK3450)	5,021.0	µg/mL	+/- +/- +/-	35.8302 249.2454 255.4006	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	Chloroprene (2-chloro-1,3-butadiene) CAS # 126-99-8 Purity 99%	(Lot 220304JEAN)	5,026.3	µg/mL	+/- +/- +/-	35.8683 249.5101 255.6718	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	Ethyl-tert-butyl ether (ETBE) CAS # 637-92-3 Purity 99%	(Lot MKCN9957)	5,009.2	µg/mL	+/- +/- +/-	35.7458 248.6580 254.7986	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	Propionitrile CAS # 107-12-0 Purity 99%	(Lot BCCF4167)	25,070.0	µg/mL	+/- +/- +/-	146.7904 1,240.2806 1,271.1153	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	Methacrylonitrile CAS # 126-98-7 Purity 99%	(Lot 1012014)	12,539.0	µg/mL	+/- +/- +/-	73.4186 620.3382 635.7604	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	Isobutanol (2-Methyl-1-propanol) CAS # 78-83-1 Purity 99%	(Lot SHBM4836)	62,525.0	µg/mL	+/- +/- +/-	366.0976 3,093.2805 3,170.1827	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	Tetrahydrofuran CAS # 109-99-9 Purity 99%	(Lot SHBP0039)	25,065.0	µg/mL	+/- +/- +/-	146.7611 1,240.0332 1,270.8617	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	Cyclohexane CAS # 110-82-7 Purity 99%	(Lot EA003-US)	5,008.5	µg/mL	+/- +/- +/-	35.7410 248.6249 254.7647	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	1-Butanol CAS # 71-36-3 Purity 99%	(Lot SHBN6854)	62,524.0	µg/mL	+/- +/- +/-	366.0918 3,093.2311 3,170.1320	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
21	tert-Amyl methyl ether (TAME) CAS # 994-05-8 Purity 99%	(Lot HMBG7745V)	5,009.2	µg/mL	+/- +/- +/-	35.7458 248.6580 254.7986	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
22	n-Heptane (C7) CAS # 142-82-5 Purity 99%	(Lot SGBL9221)	5,016.7	µg/mL	+/- +/- +/-	35.7993 249.0303 255.1801	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
23	tert-Amyl ethyl ether (TAEE) CAS # 919-94-8 Purity 99%	(Lot 76U3A)	5,010.8	µg/mL	+/- +/- +/-	35.7577 248.7407 254.8834	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

24	Methylcyclohexane CAS # 108-87-2 Purity 99%	(Lot SHBL0078)	5,022.3	µg/mL	+/-	35.8398 249.3116 255.4684	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
25	Methyl methacrylate CAS # 80-62-6 Purity 99%	(Lot MKCQ2755)	5,011.5	µg/mL	+/-	35.7625 248.7738 254.9173	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
26	1,4-Dioxane CAS # 123-91-1 Purity 99%	(Lot SHBN5929)	62,598.0	µg/mL	+/-	366.5251 3,096.8920 3,173.8840	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
27	2-Nitropropane CAS # 79-46-9 Purity 97%	(Lot BCCB9352)	25,086.1	µg/mL	+/-	146.8849 1,241.0791 1,271.9336	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
28	Ethyl methacrylate CAS # 97-63-2 Purity 99%	(Lot MKCL0907)	5,017.7	µg/mL	+/-	35.8065 249.0799 255.2310	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
29	1-Chlorohexane CAS # 544-10-5 Purity 98%	(Lot BCBS3368V)	5,022.3	µg/mL	+/-	35.8398 249.3117 255.4685	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
30	trans-1,4-dichloro-2-butene CAS # 110-57-6 Purity 95%	(Lot RD220405A)	12,586.6	µg/mL	+/-	73.6970 622.6906 638.1714	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
31	1,2,3-Trimethylbenzene CAS # 526-73-8 Purity 98%	(Lot 8776.10-36)	5,012.4	µg/mL	+/-	35.7687 248.8172 254.9617	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
32	1,3-Diethylbenzene CAS # 141-93-5 Purity 98%	(Lot BCBT8967)	5,012.0	µg/mL	+/-	35.7664 248.8009 254.9451	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
33	Benzyl chloride CAS # 100-44-7 Purity 99%	(Lot SHBH2102V)	5,020.8	µg/mL	+/-	35.8291 249.2371 255.3921	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
34	1,4-Diethylbenzene CAS # 105-05-5 Purity 99%	(Lot 1135.72-1)	5,011.7	µg/mL	+/-	35.7636 248.7821 254.9258	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
35	1,2-Diethylbenzene CAS # 135-01-3 Purity 99%	(Lot ECH2970181)	5,011.3	µg/mL	+/-	35.7613 248.7655 254.9088	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
36	1,3,5-Trichlorobenzene CAS # 108-70-3 Purity 99%	(Lot 11319AS)	5,013.2	µg/mL	+/-	35.7743 248.8565 255.0021	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
37	2-Methylnaphthalene CAS # 91-57-6 Purity 96%	(Lot STBK0259)	5,013.1	µg/mL	+/-	35.7740 248.8542 254.9997	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

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

Column:
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Rtx-502.2 (cat.#10916)

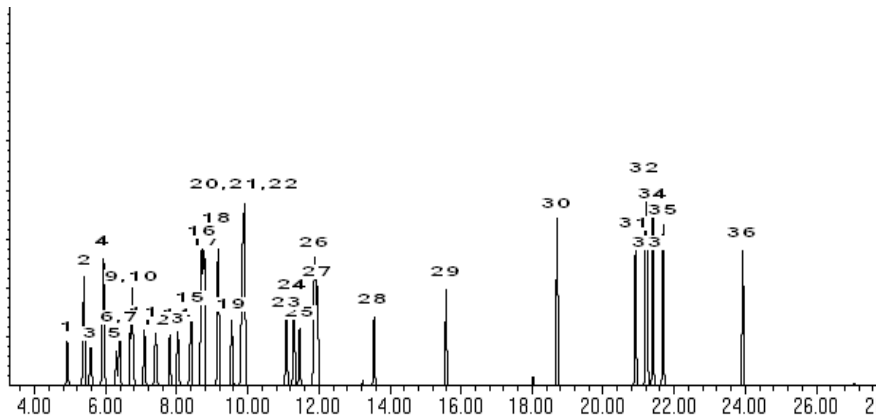
Carrier Gas:
helium-constant pressure 30 psi

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.

Miranda Kline

Miranda Kline - Operations Technician I

Date Mixed: 30-Jun-2022

Balance: B707717271

Christie Mills

Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Jul-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:

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

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

- 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_MegaMix#2_00112



CERTIFIED REFERENCE MATERIAL

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. : 577487 **Lot No.:** A0186885

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 : June 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	n-Pentane (C5)	5,031.0 µg/mL	+/- 35.9016 µg/mL Gravimetric	
	CAS # 109-66-0 (Lot SHBN6009)			+/- 249.7418 µg/mL Unstressed
	Purity 99%			+/- 255.9092 µg/mL Stressed
2	2-Propanol (isopropanol)	25,031.0 µg/mL	+/- 146.5620 µg/mL Gravimetric	
	CAS # 67-63-0 (Lot SHBN6065)			+/- 1,238.3511 µg/mL Unstressed
	Purity 99%			+/- 1,269.1379 µg/mL Stressed
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	5,009.5 µg/mL	+/- 35.7482 µg/mL Gravimetric	
	CAS # 76-13-1 (Lot 00016133)			+/- 248.6745 µg/mL Unstressed
	Purity 99%			+/- 254.8156 µg/mL Stressed
4	tert-Butanol (TBA)	25,112.0 µg/mL	+/- 147.0363 µg/mL Gravimetric	
	CAS # 75-65-0 (Lot 101619K21F-1)			+/- 1,242.3584 µg/mL Unstressed
	Purity 99%			+/- 1,273.2448 µg/mL Stressed
5	Methyl acetate	5,011.0 µg/mL	+/- 35.7589 µg/mL Gravimetric	
	CAS # 79-20-9 (Lot SHBM1320)			+/- 248.7490 µg/mL Unstressed
	Purity 99%			+/- 254.8919 µg/mL Stressed
6	Iodomethane (methyl iodide)	5,012.0 µg/mL	+/- 35.7660 µg/mL Gravimetric	
	CAS # 74-88-4 (Lot RD220125)			+/- 248.7986 µg/mL Unstressed
	Purity 99%			+/- 254.9428 µg/mL Stressed
7	Allyl chloride (3-chloropropene)	5,021.7 µg/mL	+/- 35.8350 µg/mL Gravimetric	
	CAS # 107-05-1 (Lot RP220405A)			+/- 249.2785 µg/mL Unstressed
	Purity 99%			+/- 255.4345 µg/mL Stressed

8	Carbon disulfide CAS # 75-15-0 Purity 99%	(Lot N28F701)	5,017.2	µg/mL	+/- +/- +/-	35.8029 249.0551 255.2056	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	Acrylonitrile CAS # 107-13-1 Purity 99%	(Lot SHBK4954)	12,534.0	µg/mL	+/- +/- +/-	73.3893 620.0908 635.5069	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	Methyl-tert-butyl ether (MTBE) CAS # 1634-04-4 Purity 99%	(Lot SHBN6497)	5,014.5	µg/mL	+/- +/- +/-	35.7839 248.9227 255.0699	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	n-Hexane (C6) CAS # 110-54-3 Purity 99%	(Lot STBG6381)	5,014.7	µg/mL	+/- +/- +/-	35.7850 248.9310 255.0784	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	Diisopropyl ether (DIPE) CAS # 108-20-3 Purity 99%	(Lot STBK3450)	5,021.0	µg/mL	+/- +/- +/-	35.8302 249.2454 255.4006	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	Chloroprene (2-chloro-1,3-butadiene) CAS # 126-99-8 Purity 99%	(Lot 220304JEAN)	5,026.3	µg/mL	+/- +/- +/-	35.8683 249.5101 255.6718	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	Ethyl-tert-butyl ether (ETBE) CAS # 637-92-3 Purity 99%	(Lot MKCN9957)	5,009.2	µg/mL	+/- +/- +/-	35.7458 248.6580 254.7986	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	Propionitrile CAS # 107-12-0 Purity 99%	(Lot BCCF4167)	25,070.0	µg/mL	+/- +/- +/-	146.7904 1,240.2806 1,271.1153	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	Methacrylonitrile CAS # 126-98-7 Purity 99%	(Lot 1012014)	12,539.0	µg/mL	+/- +/- +/-	73.4186 620.3382 635.7604	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	Isobutanol (2-Methyl-1-propanol) CAS # 78-83-1 Purity 99%	(Lot SHBM4836)	62,525.0	µg/mL	+/- +/- +/-	366.0976 3,093.2805 3,170.1827	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	Tetrahydrofuran CAS # 109-99-9 Purity 99%	(Lot SHBP0039)	25,065.0	µg/mL	+/- +/- +/-	146.7611 1,240.0332 1,270.8617	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	Cyclohexane CAS # 110-82-7 Purity 99%	(Lot EA003-US)	5,008.5	µg/mL	+/- +/- +/-	35.7410 248.6249 254.7647	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	1-Butanol CAS # 71-36-3 Purity 99%	(Lot SHBN6854)	62,524.0	µg/mL	+/- +/- +/-	366.0918 3,093.2311 3,170.1320	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
21	tert-Amyl methyl ether (TAME) CAS # 994-05-8 Purity 99%	(Lot HMBG7745V)	5,009.2	µg/mL	+/- +/- +/-	35.7458 248.6580 254.7986	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
22	n-Heptane (C7) CAS # 142-82-5 Purity 99%	(Lot SGBL9221)	5,016.7	µg/mL	+/- +/- +/-	35.7993 249.0303 255.1801	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
23	tert-Amyl ethyl ether (TAEE) CAS # 919-94-8 Purity 99%	(Lot 76U3A)	5,010.8	µg/mL	+/- +/- +/-	35.7577 248.7407 254.8834	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

24	Methylcyclohexane CAS # 108-87-2 Purity 99%	(Lot SHBL0078)	5,022.3	µg/mL	+/-	35.8398 249.3116 255.4684	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
25	Methyl methacrylate CAS # 80-62-6 Purity 99%	(Lot MKCQ2755)	5,011.5	µg/mL	+/-	35.7625 248.7738 254.9173	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
26	1,4-Dioxane CAS # 123-91-1 Purity 99%	(Lot SHBN5929)	62,598.0	µg/mL	+/-	366.5251 3,096.8920 3,173.8840	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
27	2-Nitropropane CAS # 79-46-9 Purity 97%	(Lot BCCB9352)	25,086.1	µg/mL	+/-	146.8849 1,241.0791 1,271.9336	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
28	Ethyl methacrylate CAS # 97-63-2 Purity 99%	(Lot MKCL0907)	5,017.7	µg/mL	+/-	35.8065 249.0799 255.2310	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
29	1-Chlorohexane CAS # 544-10-5 Purity 98%	(Lot BCBS3368V)	5,022.3	µg/mL	+/-	35.8398 249.3117 255.4685	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
30	trans-1,4-dichloro-2-butene CAS # 110-57-6 Purity 95%	(Lot RD220405A)	12,586.6	µg/mL	+/-	73.6970 622.6906 638.1714	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
31	1,2,3-Trimethylbenzene CAS # 526-73-8 Purity 98%	(Lot 8776.10-36)	5,012.4	µg/mL	+/-	35.7687 248.8172 254.9617	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
32	1,3-Diethylbenzene CAS # 141-93-5 Purity 98%	(Lot BCBT8967)	5,012.0	µg/mL	+/-	35.7664 248.8009 254.9451	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
33	Benzyl chloride CAS # 100-44-7 Purity 99%	(Lot SHBH2102V)	5,020.8	µg/mL	+/-	35.8291 249.2371 255.3921	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
34	1,4-Diethylbenzene CAS # 105-05-5 Purity 99%	(Lot 1135.72-1)	5,011.7	µg/mL	+/-	35.7636 248.7821 254.9258	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
35	1,2-Diethylbenzene CAS # 135-01-3 Purity 99%	(Lot ECH2970181)	5,011.3	µg/mL	+/-	35.7613 248.7655 254.9088	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
36	1,3,5-Trichlorobenzene CAS # 108-70-3 Purity 99%	(Lot 11319AS)	5,013.2	µg/mL	+/-	35.7743 248.8565 255.0021	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
37	2-Methylnaphthalene CAS # 91-57-6 Purity 96%	(Lot STBK0259)	5,013.1	µg/mL	+/-	35.7740 248.8542 254.9997	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

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

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

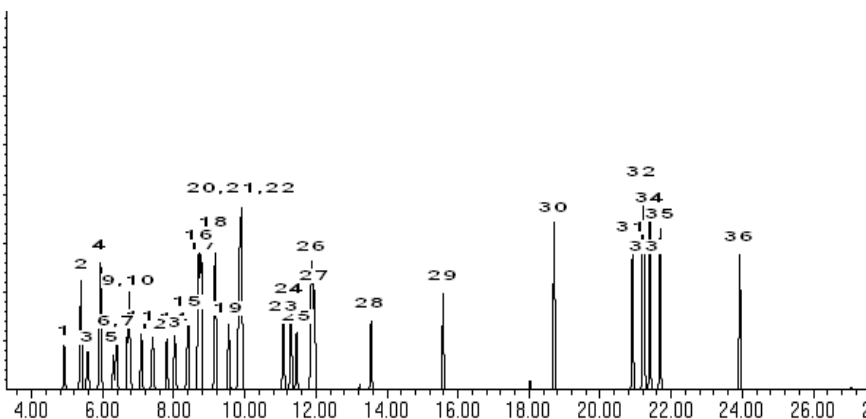
Carrier Gas:
helium-constant pressure 30 psi

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.

Miranda Kline

Miranda Kline - Operations Technician I

Date Mixed: 30-Jun-2022

Balance: B707717271

Christie Mills

Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Jul-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:

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

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

- 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_MegaMix#2_00113



CERTIFIED REFERENCE MATERIAL

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. : 577487 **Lot No.:** A0186885

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 : June 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	n-Pentane (C5)	5,031.0 µg/mL	+/- 35.9016 µg/mL Gravimetric	
	CAS # 109-66-0 (Lot SHBN6009)			+/- 249.7418 µg/mL Unstressed
	Purity 99%			+/- 255.9092 µg/mL Stressed
2	2-Propanol (isopropanol)	25,031.0 µg/mL	+/- 146.5620 µg/mL Gravimetric	
	CAS # 67-63-0 (Lot SHBN6065)			+/- 1,238.3511 µg/mL Unstressed
	Purity 99%			+/- 1,269.1379 µg/mL Stressed
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	5,009.5 µg/mL	+/- 35.7482 µg/mL Gravimetric	
	CAS # 76-13-1 (Lot 00016133)			+/- 248.6745 µg/mL Unstressed
	Purity 99%			+/- 254.8156 µg/mL Stressed
4	tert-Butanol (TBA)	25,112.0 µg/mL	+/- 147.0363 µg/mL Gravimetric	
	CAS # 75-65-0 (Lot 101619K21F-1)			+/- 1,242.3584 µg/mL Unstressed
	Purity 99%			+/- 1,273.2448 µg/mL Stressed
5	Methyl acetate	5,011.0 µg/mL	+/- 35.7589 µg/mL Gravimetric	
	CAS # 79-20-9 (Lot SHBM1320)			+/- 248.7490 µg/mL Unstressed
	Purity 99%			+/- 254.8919 µg/mL Stressed
6	Iodomethane (methyl iodide)	5,012.0 µg/mL	+/- 35.7660 µg/mL Gravimetric	
	CAS # 74-88-4 (Lot RD220125)			+/- 248.7986 µg/mL Unstressed
	Purity 99%			+/- 254.9428 µg/mL Stressed
7	Allyl chloride (3-chloropropene)	5,021.7 µg/mL	+/- 35.8350 µg/mL Gravimetric	
	CAS # 107-05-1 (Lot RP220405A)			+/- 249.2785 µg/mL Unstressed
	Purity 99%			+/- 255.4345 µg/mL Stressed

8	Carbon disulfide CAS # 75-15-0 Purity 99%	(Lot N28F701)	5,017.2	µg/mL	+/- +/- +/-	35.8029 249.0551 255.2056	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	Acrylonitrile CAS # 107-13-1 Purity 99%	(Lot SHBK4954)	12,534.0	µg/mL	+/- +/- +/-	73.3893 620.0908 635.5069	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	Methyl-tert-butyl ether (MTBE) CAS # 1634-04-4 Purity 99%	(Lot SHBN6497)	5,014.5	µg/mL	+/- +/- +/-	35.7839 248.9227 255.0699	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	n-Hexane (C6) CAS # 110-54-3 Purity 99%	(Lot STBG6381)	5,014.7	µg/mL	+/- +/- +/-	35.7850 248.9310 255.0784	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	Diisopropyl ether (DIPE) CAS # 108-20-3 Purity 99%	(Lot STBK3450)	5,021.0	µg/mL	+/- +/- +/-	35.8302 249.2454 255.4006	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	Chloroprene (2-chloro-1,3-butadiene) CAS # 126-99-8 Purity 99%	(Lot 220304JEAN)	5,026.3	µg/mL	+/- +/- +/-	35.8683 249.5101 255.6718	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	Ethyl-tert-butyl ether (ETBE) CAS # 637-92-3 Purity 99%	(Lot MKCN9957)	5,009.2	µg/mL	+/- +/- +/-	35.7458 248.6580 254.7986	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	Propionitrile CAS # 107-12-0 Purity 99%	(Lot BCCF4167)	25,070.0	µg/mL	+/- +/- +/-	146.7904 1,240.2806 1,271.1153	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	Methacrylonitrile CAS # 126-98-7 Purity 99%	(Lot 1012014)	12,539.0	µg/mL	+/- +/- +/-	73.4186 620.3382 635.7604	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	Isobutanol (2-Methyl-1-propanol) CAS # 78-83-1 Purity 99%	(Lot SHBM4836)	62,525.0	µg/mL	+/- +/- +/-	366.0976 3,093.2805 3,170.1827	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	Tetrahydrofuran CAS # 109-99-9 Purity 99%	(Lot SHBP0039)	25,065.0	µg/mL	+/- +/- +/-	146.7611 1,240.0332 1,270.8617	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	Cyclohexane CAS # 110-82-7 Purity 99%	(Lot EA003-US)	5,008.5	µg/mL	+/- +/- +/-	35.7410 248.6249 254.7647	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	1-Butanol CAS # 71-36-3 Purity 99%	(Lot SHBN6854)	62,524.0	µg/mL	+/- +/- +/-	366.0918 3,093.2311 3,170.1320	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
21	tert-Amyl methyl ether (TAME) CAS # 994-05-8 Purity 99%	(Lot HMBG7745V)	5,009.2	µg/mL	+/- +/- +/-	35.7458 248.6580 254.7986	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
22	n-Heptane (C7) CAS # 142-82-5 Purity 99%	(Lot SGBL9221)	5,016.7	µg/mL	+/- +/- +/-	35.7993 249.0303 255.1801	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
23	tert-Amyl ethyl ether (TAEE) CAS # 919-94-8 Purity 99%	(Lot 76U3A)	5,010.8	µg/mL	+/- +/- +/-	35.7577 248.7407 254.8834	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

24	Methylcyclohexane CAS # 108-87-2 Purity 99%	(Lot SHBL0078)	5,022.3	µg/mL	+/-	35.8398 249.3116 255.4684	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
25	Methyl methacrylate CAS # 80-62-6 Purity 99%	(Lot MKCQ2755)	5,011.5	µg/mL	+/-	35.7625 248.7738 254.9173	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
26	1,4-Dioxane CAS # 123-91-1 Purity 99%	(Lot SHBN5929)	62,598.0	µg/mL	+/-	366.5251 3,096.8920 3,173.8840	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
27	2-Nitropropane CAS # 79-46-9 Purity 97%	(Lot BCCB9352)	25,086.1	µg/mL	+/-	146.8849 1,241.0791 1,271.9336	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
28	Ethyl methacrylate CAS # 97-63-2 Purity 99%	(Lot MKCL0907)	5,017.7	µg/mL	+/-	35.8065 249.0799 255.2310	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
29	1-Chlorohexane CAS # 544-10-5 Purity 98%	(Lot BCBS3368V)	5,022.3	µg/mL	+/-	35.8398 249.3117 255.4685	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
30	trans-1,4-dichloro-2-butene CAS # 110-57-6 Purity 95%	(Lot RD220405A)	12,586.6	µg/mL	+/-	73.6970 622.6906 638.1714	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
31	1,2,3-Trimethylbenzene CAS # 526-73-8 Purity 98%	(Lot 8776.10-36)	5,012.4	µg/mL	+/-	35.7687 248.8172 254.9617	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
32	1,3-Diethylbenzene CAS # 141-93-5 Purity 98%	(Lot BCBT8967)	5,012.0	µg/mL	+/-	35.7664 248.8009 254.9451	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
33	Benzyl chloride CAS # 100-44-7 Purity 99%	(Lot SHBH2102V)	5,020.8	µg/mL	+/-	35.8291 249.2371 255.3921	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
34	1,4-Diethylbenzene CAS # 105-05-5 Purity 99%	(Lot 1135.72-1)	5,011.7	µg/mL	+/-	35.7636 248.7821 254.9258	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
35	1,2-Diethylbenzene CAS # 135-01-3 Purity 99%	(Lot ECH2970181)	5,011.3	µg/mL	+/-	35.7613 248.7655 254.9088	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
36	1,3,5-Trichlorobenzene CAS # 108-70-3 Purity 99%	(Lot 11319AS)	5,013.2	µg/mL	+/-	35.7743 248.8565 255.0021	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
37	2-Methylnaphthalene CAS # 91-57-6 Purity 96%	(Lot STBK0259)	5,013.1	µg/mL	+/-	35.7740 248.8542 254.9997	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

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

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

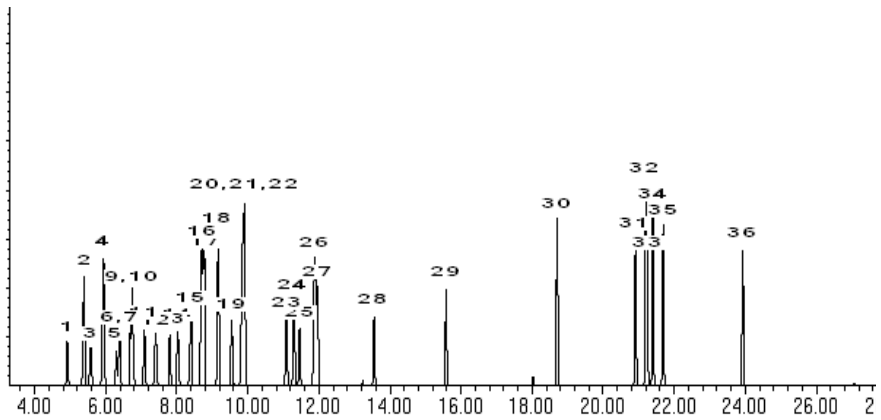
Carrier Gas:
helium-constant pressure 30 psi

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.

Miranda Kline

Miranda Kline - Operations Technician I

Date Mixed: 30-Jun-2022

Balance: B707717271

Christie Mills

Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Jul-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:

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

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

- 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_MegaMix#2_00114



CERTIFIED REFERENCE MATERIAL

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. : 577487 **Lot No.:** A0186885

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 : June 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	n-Pentane (C5)	5,031.0 µg/mL	+/-	35.9016	µg/mL	Gravimetric
	CAS # 109-66-0 (Lot SHBN6009)		+/-	249.7418	µg/mL	Unstressed
	Purity 99%		+/-	255.9092	µg/mL	Stressed
2	2-Propanol (isopropanol)	25,031.0 µg/mL	+/-	146.5620	µg/mL	Gravimetric
	CAS # 67-63-0 (Lot SHBN6065)		+/-	1,238.3511	µg/mL	Unstressed
	Purity 99%		+/-	1,269.1379	µg/mL	Stressed
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	5,009.5 µg/mL	+/-	35.7482	µg/mL	Gravimetric
	CAS # 76-13-1 (Lot 00016133)		+/-	248.6745	µg/mL	Unstressed
	Purity 99%		+/-	254.8156	µg/mL	Stressed
4	tert-Butanol (TBA)	25,112.0 µg/mL	+/-	147.0363	µg/mL	Gravimetric
	CAS # 75-65-0 (Lot 101619K21F-1)		+/-	1,242.3584	µg/mL	Unstressed
	Purity 99%		+/-	1,273.2448	µg/mL	Stressed
5	Methyl acetate	5,011.0 µg/mL	+/-	35.7589	µg/mL	Gravimetric
	CAS # 79-20-9 (Lot SHBM1320)		+/-	248.7490	µg/mL	Unstressed
	Purity 99%		+/-	254.8919	µg/mL	Stressed
6	Iodomethane (methyl iodide)	5,012.0 µg/mL	+/-	35.7660	µg/mL	Gravimetric
	CAS # 74-88-4 (Lot RD220125)		+/-	248.7986	µg/mL	Unstressed
	Purity 99%		+/-	254.9428	µg/mL	Stressed
7	Allyl chloride (3-chloropropene)	5,021.7 µg/mL	+/-	35.8350	µg/mL	Gravimetric
	CAS # 107-05-1 (Lot RP220405A)		+/-	249.2785	µg/mL	Unstressed
	Purity 99%		+/-	255.4345	µg/mL	Stressed

8	Carbon disulfide CAS # 75-15-0 Purity 99%	(Lot N28F701)	5,017.2	µg/mL	+/- +/- +/-	35.8029 249.0551 255.2056	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	Acrylonitrile CAS # 107-13-1 Purity 99%	(Lot SHBK4954)	12,534.0	µg/mL	+/- +/- +/-	73.3893 620.0908 635.5069	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	Methyl-tert-butyl ether (MTBE) CAS # 1634-04-4 Purity 99%	(Lot SHBN6497)	5,014.5	µg/mL	+/- +/- +/-	35.7839 248.9227 255.0699	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	n-Hexane (C6) CAS # 110-54-3 Purity 99%	(Lot STBG6381)	5,014.7	µg/mL	+/- +/- +/-	35.7850 248.9310 255.0784	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	Diisopropyl ether (DIPE) CAS # 108-20-3 Purity 99%	(Lot STBK3450)	5,021.0	µg/mL	+/- +/- +/-	35.8302 249.2454 255.4006	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	Chloroprene (2-chloro-1,3-butadiene) CAS # 126-99-8 Purity 99%	(Lot 220304JEAN)	5,026.3	µg/mL	+/- +/- +/-	35.8683 249.5101 255.6718	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	Ethyl-tert-butyl ether (ETBE) CAS # 637-92-3 Purity 99%	(Lot MKCN9957)	5,009.2	µg/mL	+/- +/- +/-	35.7458 248.6580 254.7986	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	Propionitrile CAS # 107-12-0 Purity 99%	(Lot BCCF4167)	25,070.0	µg/mL	+/- +/- +/-	146.7904 1,240.2806 1,271.1153	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	Methacrylonitrile CAS # 126-98-7 Purity 99%	(Lot 1012014)	12,539.0	µg/mL	+/- +/- +/-	73.4186 620.3382 635.7604	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	Isobutanol (2-Methyl-1-propanol) CAS # 78-83-1 Purity 99%	(Lot SHBM4836)	62,525.0	µg/mL	+/- +/- +/-	366.0976 3,093.2805 3,170.1827	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	Tetrahydrofuran CAS # 109-99-9 Purity 99%	(Lot SHBP0039)	25,065.0	µg/mL	+/- +/- +/-	146.7611 1,240.0332 1,270.8617	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	Cyclohexane CAS # 110-82-7 Purity 99%	(Lot EA003-US)	5,008.5	µg/mL	+/- +/- +/-	35.7410 248.6249 254.7647	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	1-Butanol CAS # 71-36-3 Purity 99%	(Lot SHBN6854)	62,524.0	µg/mL	+/- +/- +/-	366.0918 3,093.2311 3,170.1320	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
21	tert-Amyl methyl ether (TAME) CAS # 994-05-8 Purity 99%	(Lot HMBG7745V)	5,009.2	µg/mL	+/- +/- +/-	35.7458 248.6580 254.7986	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
22	n-Heptane (C7) CAS # 142-82-5 Purity 99%	(Lot SGBL9221)	5,016.7	µg/mL	+/- +/- +/-	35.7993 249.0303 255.1801	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
23	tert-Amyl ethyl ether (TAEE) CAS # 919-94-8 Purity 99%	(Lot 76U3A)	5,010.8	µg/mL	+/- +/- +/-	35.7577 248.7407 254.8834	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

24	Methylcyclohexane CAS # 108-87-2 Purity 99%	(Lot SHBL0078)	5,022.3	µg/mL	+/-	35.8398 249.3116 255.4684	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
25	Methyl methacrylate CAS # 80-62-6 Purity 99%	(Lot MKCQ2755)	5,011.5	µg/mL	+/-	35.7625 248.7738 254.9173	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
26	1,4-Dioxane CAS # 123-91-1 Purity 99%	(Lot SHBN5929)	62,598.0	µg/mL	+/-	366.5251 3,096.8920 3,173.8840	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
27	2-Nitropropane CAS # 79-46-9 Purity 97%	(Lot BCCB9352)	25,086.1	µg/mL	+/-	146.8849 1,241.0791 1,271.9336	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
28	Ethyl methacrylate CAS # 97-63-2 Purity 99%	(Lot MKCL0907)	5,017.7	µg/mL	+/-	35.8065 249.0799 255.2310	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
29	1-Chlorohexane CAS # 544-10-5 Purity 98%	(Lot BCBS3368V)	5,022.3	µg/mL	+/-	35.8398 249.3117 255.4685	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
30	trans-1,4-dichloro-2-butene CAS # 110-57-6 Purity 95%	(Lot RD220405A)	12,586.6	µg/mL	+/-	73.6970 622.6906 638.1714	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
31	1,2,3-Trimethylbenzene CAS # 526-73-8 Purity 98%	(Lot 8776.10-36)	5,012.4	µg/mL	+/-	35.7687 248.8172 254.9617	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
32	1,3-Diethylbenzene CAS # 141-93-5 Purity 98%	(Lot BCBT8967)	5,012.0	µg/mL	+/-	35.7664 248.8009 254.9451	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
33	Benzyl chloride CAS # 100-44-7 Purity 99%	(Lot SHBH2102V)	5,020.8	µg/mL	+/-	35.8291 249.2371 255.3921	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
34	1,4-Diethylbenzene CAS # 105-05-5 Purity 99%	(Lot 1135.72-1)	5,011.7	µg/mL	+/-	35.7636 248.7821 254.9258	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
35	1,2-Diethylbenzene CAS # 135-01-3 Purity 99%	(Lot ECH2970181)	5,011.3	µg/mL	+/-	35.7613 248.7655 254.9088	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
36	1,3,5-Trichlorobenzene CAS # 108-70-3 Purity 99%	(Lot 11319AS)	5,013.2	µg/mL	+/-	35.7743 248.8565 255.0021	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
37	2-Methylnaphthalene CAS # 91-57-6 Purity 96%	(Lot STBK0259)	5,013.1	µg/mL	+/-	35.7740 248.8542 254.9997	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

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

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

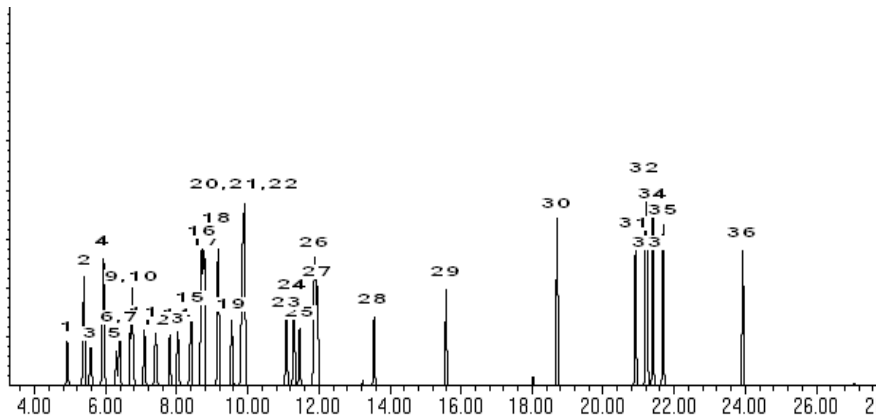
Carrier Gas:
helium-constant pressure 30 psi

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.

Miranda Kline

Miranda Kline - Operations Technician I

Date Mixed: 30-Jun-2022

Balance: B707717271

Christie Mills

Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Jul-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:

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_QC_2K_GAS_00134



CERTIFIED REFERENCE MATERIAL

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

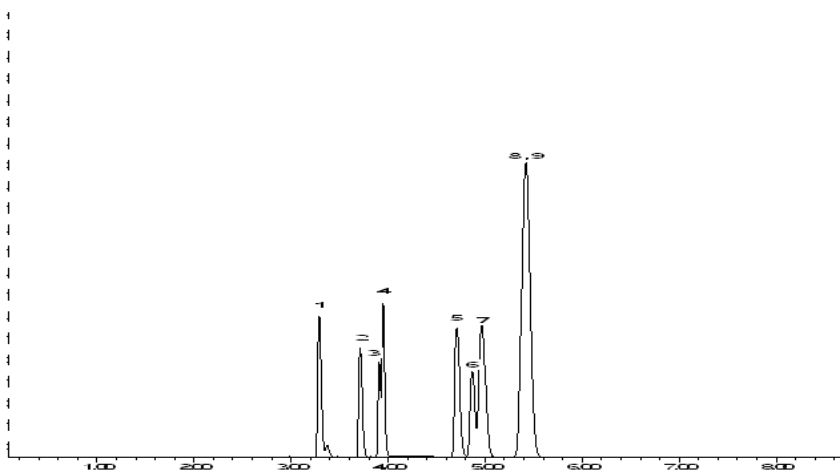
Carrier Gas:
helium-constant flow 2.0 mL/min.

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
Brandon Reish - Mix Technician

Date Mixed: 05-May-2022 Balance: 1127510105

Marlina Cowan
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:

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_QC_2K_GAS_00140



CERTIFIED REFERENCE MATERIAL

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. : 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

CERTIFIED VALUES

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

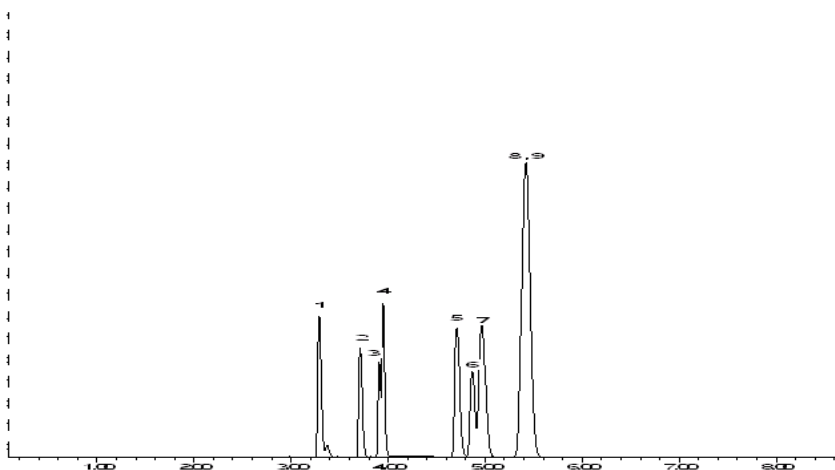
Carrier Gas:
helium-constant flow 2.0 mL/min.

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
Brandon Reish - Mix Technician

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

Marlina Cowan
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:

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_QC_2K_GAS_00146



CERTIFIED REFERENCE MATERIAL

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. : 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

CERTIFIED VALUES

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

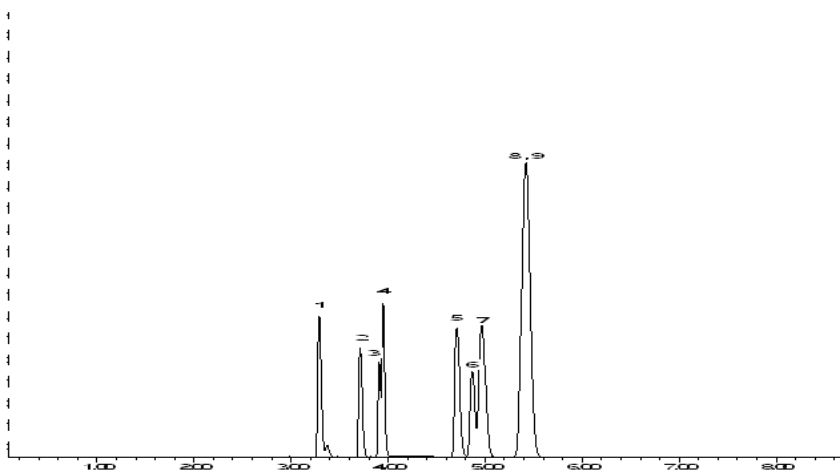
Carrier Gas:
helium-constant flow 2.0 mL/min.

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
Brandon Reish - Mix Technician

Date Mixed: 05-May-2022 Balance: 1127510105

Marlina Cowan
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:

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

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

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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
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_QC_2K_GAS_00147



CERTIFIED REFERENCE MATERIAL

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. : 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

CERTIFIED VALUES

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

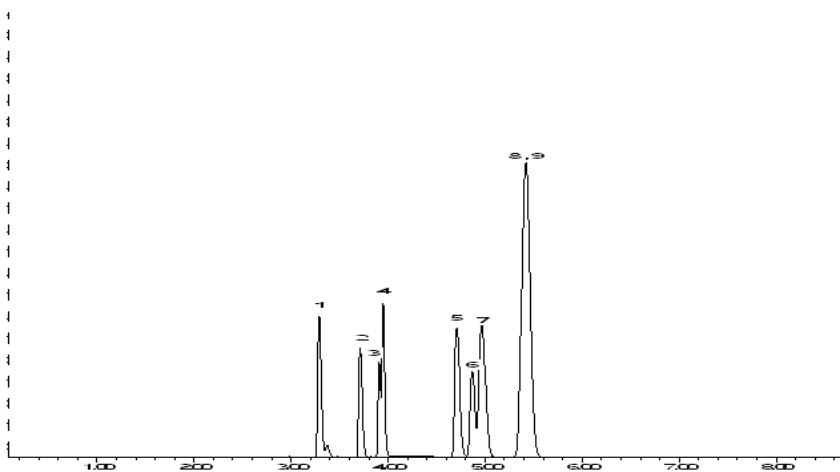
Carrier Gas:
helium-constant flow 2.0 mL/min.

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
Brandon Reish - Mix Technician

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

Marlina Cowan
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:

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

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

- 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_Ketones_00101



CERTIFIED REFERENCE MATERIAL

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. : 569721 **Lot No.:** A0180742

Description : 8260 List 1/ Std #2 Ketones (2015)
8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

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

Expiration Date : January 31, 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	Acetone	12,524.0 µg/mL	+/-	73.3308	µg/mL	Gravimetric
	CAS # 67-64-1 (Lot MKCP0755)		+/-	755.6782	µg/mL	Unstressed
	Purity 99%		+/-	757.4721	µg/mL	Stressed
2	2-Butanone (MEK)	12,529.5 µg/mL	+/-	73.3630	µg/mL	Gravimetric
	CAS # 78-93-3 (Lot SHBN2844)		+/-	756.0101	µg/mL	Unstressed
	Purity 99%		+/-	757.8048	µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)	12,541.5 µg/mL	+/-	73.4332	µg/mL	Gravimetric
	CAS # 108-10-1 (Lot SHBN3601)		+/-	756.7342	µg/mL	Unstressed
	Purity 99%		+/-	758.5305	µg/mL	Stressed
4	2-Hexanone	12,548.0 µg/mL	+/-	73.4713	µg/mL	Gravimetric
	CAS # 591-78-6 (Lot MKCL1599)		+/-	757.1264	µg/mL	Unstressed
	Purity 99%		+/-	758.9237	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)

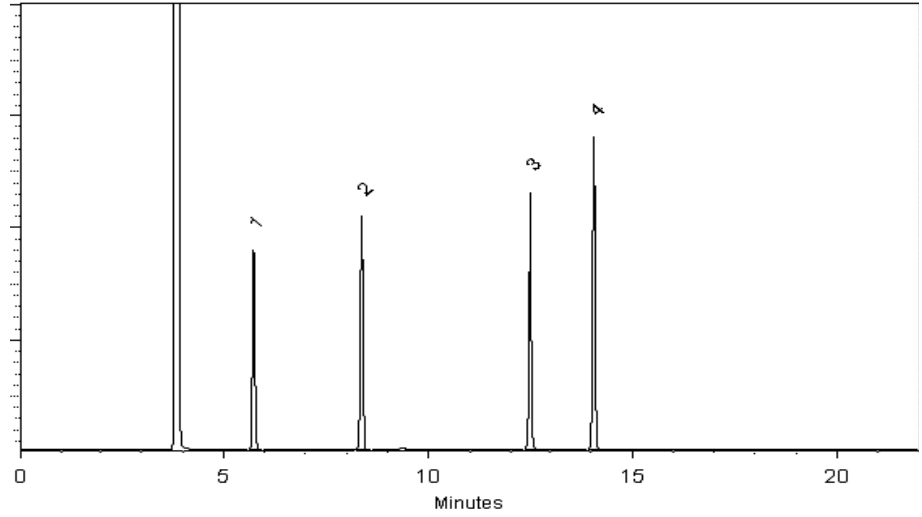
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Penelope S. Riglin
Penelope Riglin - Operations Tech I

Date Mixed: 18-Jan-2022 **Balance:** B707717271

Marlina Cowan
Marlina Cowan - Operations Tech I

Date Passed: 20-Jan-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:

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

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

- 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_Ketones_00114



CERTIFIED REFERENCE MATERIAL

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. : 569721 **Lot No.:** A0180742

Description : 8260 List 1/ Std #2 Ketones (2015)
8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

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

Expiration Date : January 31, 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	Acetone	12,524.0 µg/mL	+/-	73.3308	µg/mL	Gravimetric
	CAS # 67-64-1 (Lot MKCP0755)		+/-	755.6782	µg/mL	Unstressed
	Purity 99%		+/-	757.4721	µg/mL	Stressed
2	2-Butanone (MEK)	12,529.5 µg/mL	+/-	73.3630	µg/mL	Gravimetric
	CAS # 78-93-3 (Lot SHBN2844)		+/-	756.0101	µg/mL	Unstressed
	Purity 99%		+/-	757.8048	µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)	12,541.5 µg/mL	+/-	73.4332	µg/mL	Gravimetric
	CAS # 108-10-1 (Lot SHBN3601)		+/-	756.7342	µg/mL	Unstressed
	Purity 99%		+/-	758.5305	µg/mL	Stressed
4	2-Hexanone	12,548.0 µg/mL	+/-	73.4713	µg/mL	Gravimetric
	CAS # 591-78-6 (Lot MKCL1599)		+/-	757.1264	µg/mL	Unstressed
	Purity 99%		+/-	758.9237	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)

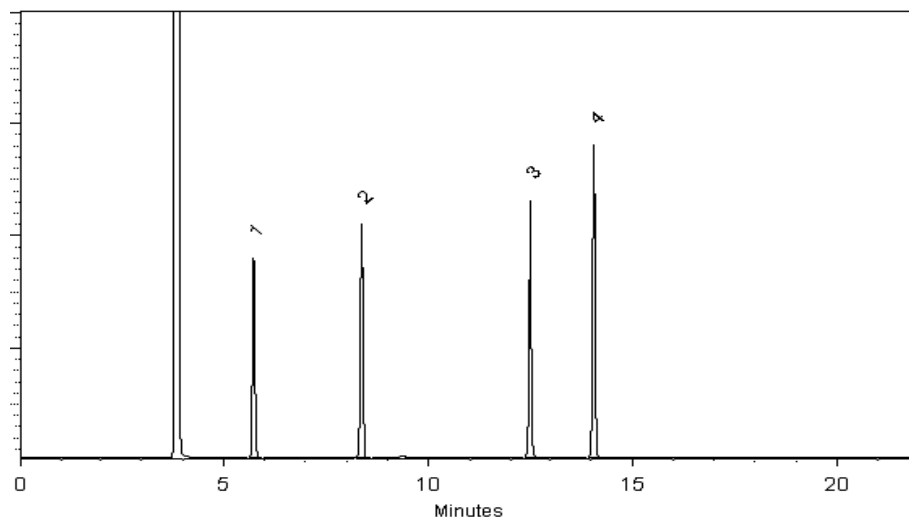
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Penelope Riglin - Operations Tech I

Date Mixed: 18-Jan-2022

Balance: B707717271

Marlina Cowan - Operations Tech I

Date Passed: 20-Jan-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:

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

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

- 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_Ketones_00116



CERTIFIED REFERENCE MATERIAL

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. : 569721 **Lot No.:** A0180742

Description : 8260 List 1/ Std #2 Ketones (2015)
8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

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

Expiration Date : January 31, 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	Acetone	12,524.0 µg/mL	+/-	73.3308	µg/mL	Gravimetric
	CAS # 67-64-1 (Lot MKCP0755)		+/-	755.6782	µg/mL	Unstressed
	Purity 99%		+/-	757.4721	µg/mL	Stressed
2	2-Butanone (MEK)	12,529.5 µg/mL	+/-	73.3630	µg/mL	Gravimetric
	CAS # 78-93-3 (Lot SHBN2844)		+/-	756.0101	µg/mL	Unstressed
	Purity 99%		+/-	757.8048	µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)	12,541.5 µg/mL	+/-	73.4332	µg/mL	Gravimetric
	CAS # 108-10-1 (Lot SHBN3601)		+/-	756.7342	µg/mL	Unstressed
	Purity 99%		+/-	758.5305	µg/mL	Stressed
4	2-Hexanone	12,548.0 µg/mL	+/-	73.4713	µg/mL	Gravimetric
	CAS # 591-78-6 (Lot MKCL1599)		+/-	757.1264	µg/mL	Unstressed
	Purity 99%		+/-	758.9237	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)

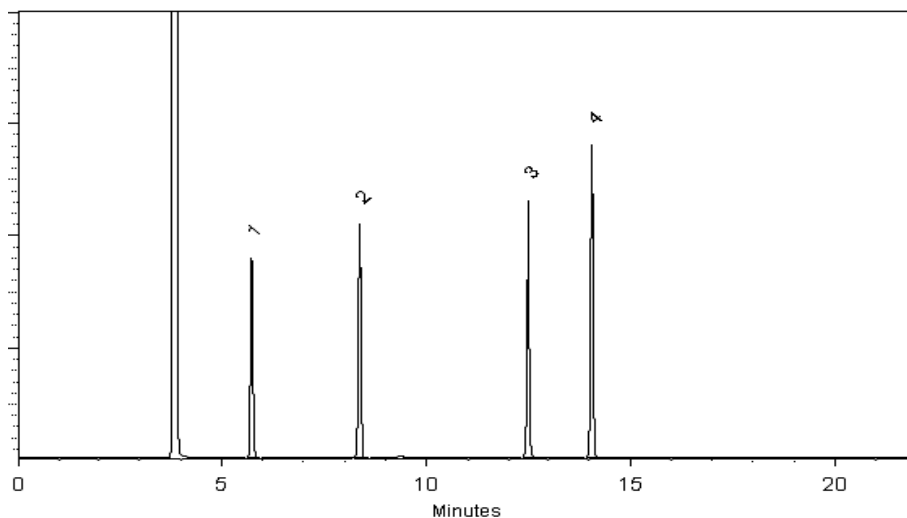
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Penelope S. Riglin
Penelope Riglin - Operations Tech I

Date Mixed: 18-Jan-2022 **Balance:** B707717271

Marlina Cowan
Marlina Cowan - Operations Tech I

Date Passed: 20-Jan-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:

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_PentaCL_00030



CERTIFIED REFERENCE MATERIAL

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. : 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

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Pentachloroethane CAS # 76-01-7 Purity 99% (Lot 10518800)	5,022.0 µg/mL	+/- 29.4719 µg/mL Gravimetric +/- 281.6071 µg/mL Unstressed +/- 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)

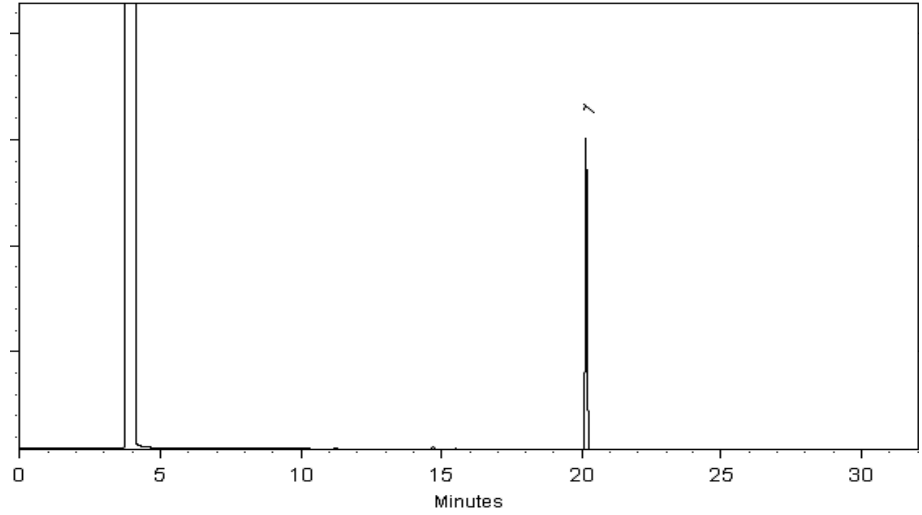
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Nick Yaw - Operations Tech I

Date Mixed: 15-Apr-2022

Balance: B707717271

Christie Mills

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:

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_PentaCL_00032



CERTIFIED REFERENCE MATERIAL

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. : 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

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Pentachloroethane CAS # 76-01-7 Purity 99% (Lot 10518800)	5,022.0 µg/mL	+/- 29.4719 µg/mL Gravimetric +/- 281.6071 µg/mL Unstressed +/- 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)

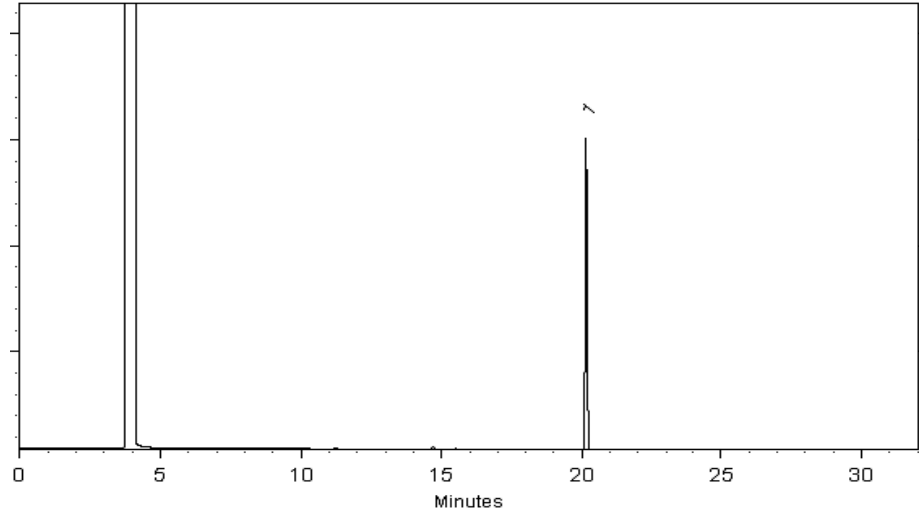
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Nick Yaw - Operations Tech I

Date Mixed: 15-Apr-2022

Balance: B707717271

Christie Mills

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:

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

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

- 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_00026



CERTIFIED REFERENCE MATERIAL

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. : 577490 **Lot No.:** A0172146

Description : Custom SM Freons Standard
Custom SM Freons Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

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

Expiration Date : May 31, 2024 **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	1,998.3 µg/mL	+/-	31.1209	µg/mL	Gravimetric
	CAS # 79-38-9 (Lot 199600)		+/-	115.7047	µg/mL	Unstressed
	Purity 99%		+/-	118.2453	µg/mL	Stressed
2	Chlorodifluoromethane (CFC-22)	2,003.6 µg/mL	+/-	77.8648	µg/mL	Gravimetric
	CAS # 75-45-6 (Lot Q162-44)		+/-	136.1895	µg/mL	Unstressed
	Purity 99%		+/-	138.3658	µg/mL	Stressed
3	2-Chloro-1,1,1-trifluoroethane (HCFC-133a)	2,001.9 µg/mL	+/-	77.7991	µg/mL	Gravimetric
	CAS # 75-88-7 (Lot Q157-146)		+/-	136.0747	µg/mL	Unstressed
	Purity 99%		+/-	138.2491	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)

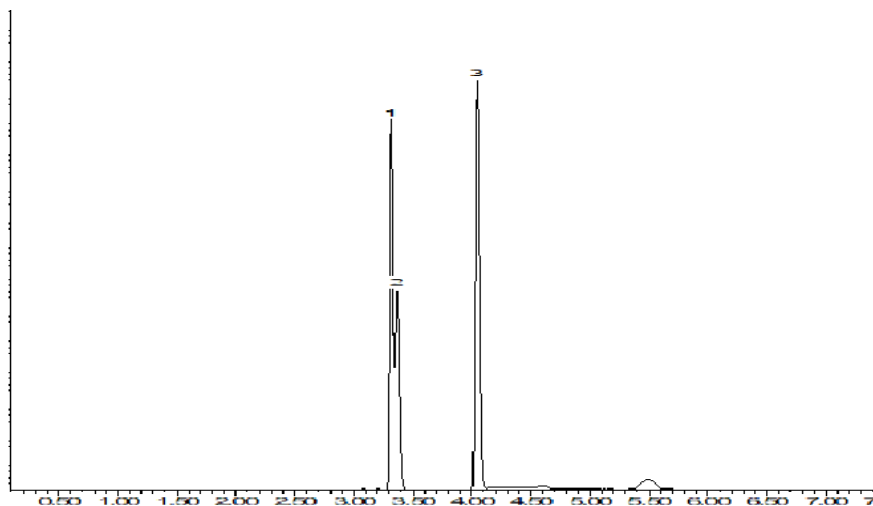
Carrier Gas:
helium-constant flow 2.0 mL/min.

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

Inj. Temp:
200°C

Det. Temp:
250°C

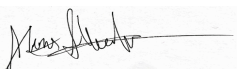
Det. Type:
MSD



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: 07-May-2021 **Balance:** B251644995


Alexis Shelov - Operations Tech I

Date Passed: 10-May-2021

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:

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

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

- 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 En Job No.: 410-124489-1

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	410-124489-1	95	97	109	94
HD-COD-SW-7-0/1-0	410-124489-2	94	97	110	95
HD-COD-SW-8-0/1-0	410-124489-3	94	95	108	93
HD-COD-SW-9-0/1-0	410-124489-4	94	96	108	95
HD-COD-SW-13-0/1-0	410-124489-5	94	95	109	94
HD-COD-SW-15-0/1-0	410-124489-6	94	97	108	94
HD-COD-SW-16-0/1-0	410-124489-7	95	98	108	95
HD-COD-SW-17-0/1-0	410-124489-8	95	97	108	94
HD-COD-SW-17-0/1-0 DL	410-124489-8 DL	105	106	99	95
HD-COD-SW-26-0/1-0	410-124489-9	95	99	109	95
HD-COD-SW-27-0/1-0	410-124489-10	93	96	108	94
HD-COD-SW-28-0/1-0	410-124489-11	94	98	108	92
HD-COD-SW-29-0/1-0	410-124489-12	93	97	109	94
HD-QC1-0/1-1	410-124489-13	92	96	107	95
HD-QC1-0/1-1 DL	410-124489-13 DL	106	105	94	98
HD-QC1-0/1-2	410-124489-14	94	99	107	94
	MB 410-371870/6	94	99	108	94
	MB 410-372041/7	93	98	109	96
	MB 410-372381/7	103	105	99	97
	MB 410-373833/7	105	107	94	99
	LCS 410-371870/4	95	97	109	97
	LCS 410-372041/4	94	98	109	98
	LCS 410-372381/4	101	104	101	102
	LCS 410-373833/4	106	105	94	99
	LCSD 410-372041/5	94	96	109	97
	LCSD 410-372381/5	101	103	102	102
	LCSD 410-373833/5	106	105	94	99
HD-COD-SW-15-0/1-0 MS MS	410-124489-6 MS	95	103	109	97
HD-COD-SW-15-0/1-0 MSD MSD	410-124489-6 MSD	93	97	110	97

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 III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Matrix: Water

Level: Low

Lab File ID: CY03X02.D

Lab ID: LCS 410-371870/4

Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	5.22	104	71-134	
1,1,1-Trichloroethane	5.00	4.47	89	78-126	
1,1,2,2-Tetrachloroethane	5.00	5.35	107	75-123	
1,1,2-Trichloroethane	5.00	5.02	100	80-120	
1,1-Dichloroethane	5.00	4.31	86	74-120	
1,1-Dichloroethene	5.00	4.46	89	80-131	
1,2-Dibromoethane (EDB)	5.00	5.15	103	80-120	
1,2-Dichloroethane	5.00	4.15	83	69-122	
1,2-Dichloropropane	5.00	4.40	88	80-120	
2-Butanone (MEK)	62.5	62.3	100	59-141	
2-Hexanone	62.5	61.7	99	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	59.1	95	55-140	
Acetone	62.5	65.7	105	60-146	
Benzene	5.00	4.50	90	80-120	
Bromochloromethane	5.00	4.53	91	80-120	
Bromodichloromethane	5.00	4.28	86	73-124	
Bromoform	5.00	4.73	95	49-144	
Bromomethane	5.00	3.64	73	60-136	
Carbon disulfide	5.00	4.27	85	67-130	
Carbon tetrachloride	5.00	4.47	89	64-141	
Chlorobenzene	5.00	5.02	100	80-120	
Chloroethane	5.00	3.80	76	63-120	
Chloroform	5.00	4.36	87	80-120	
Chloromethane	5.00	3.73	75	56-124	
cis-1,2-Dichloroethene	5.00	4.64	93	80-122	
cis-1,3-Dichloropropene	5.00	4.22	84	67-121	
Dibromochloromethane	5.00	4.96	99	64-138	
Ethylbenzene	5.00	5.20	104	80-120	
Methyl tert-butyl ether	5.00	4.31	86	69-120	
Methylene Chloride	5.00	4.51	90	80-120	
Styrene	5.00	5.25	105	80-120	
Tetrachloroethene	5.00	4.99	100	80-120	
Toluene	5.00	5.14	103	80-120	
trans-1,2-Dichloroethene	5.00	4.38	88	80-122	
trans-1,3-Dichloropropene	5.00	5.10	102	61-129	
Trichloroethene	5.00	4.36	87	80-120	
Vinyl chloride	5.00	3.58	72	60-125	
Xylenes, Total	15.0	15.6	104	80-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Matrix: Water

Level: Low

Lab File ID: CY04X03.D

Lab ID: LCS 410-372041/4

Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	5.21	104	71-134	
1,1,1-Trichloroethane	5.00	4.64	93	78-126	
1,1,2,2-Tetrachloroethane	5.00	5.55	111	75-123	
1,1,2-Trichloroethane	5.00	5.19	104	80-120	
1,1-Dichloroethane	5.00	4.55	91	74-120	
1,1-Dichloroethene	5.00	4.82	96	80-131	
1,2-Dibromoethane (EDB)	5.00	5.13	103	80-120	
1,2-Dichloroethane	5.00	4.28	86	69-122	
1,2-Dichloropropane	5.00	4.59	92	80-120	
2-Butanone (MEK)	62.5	62.9	101	59-141	
2-Hexanone	62.5	64.8	104	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	63.2	101	55-140	
Acetone	62.5	61.7	99	60-146	
Benzene	5.00	4.73	95	80-120	
Bromochloromethane	5.00	4.59	92	80-120	
Bromodichloromethane	5.00	4.44	89	73-124	
Bromoform	5.00	4.72	94	49-144	
Bromomethane	5.00	3.63	73	60-136	
Carbon disulfide	5.00	4.63	93	67-130	
Carbon tetrachloride	5.00	4.72	94	64-141	
Chlorobenzene	5.00	5.18	104	80-120	
Chloroethane	5.00	3.85	77	63-120	
Chloroform	5.00	4.53	91	80-120	
Chloromethane	5.00	3.68	74	56-124	
cis-1,2-Dichloroethene	5.00	4.76	95	80-122	
cis-1,3-Dichloropropene	5.00	4.40	88	67-121	
Dibromochloromethane	5.00	4.99	100	64-138	
Ethylbenzene	5.00	5.38	108	80-120	
Methyl tert-butyl ether	5.00	4.45	89	69-120	
Methylene Chloride	5.00	4.67	93	80-120	
Styrene	5.00	5.35	107	80-120	
Tetrachloroethene	5.00	5.10	102	80-120	
Toluene	5.00	5.40	108	80-120	
trans-1,2-Dichloroethene	5.00	4.65	93	80-122	
trans-1,3-Dichloropropene	5.00	5.25	105	61-129	
Trichloroethene	5.00	4.57	91	80-120	
Vinyl chloride	5.00	3.72	74	60-125	
Xylenes, Total	15.0	16.1	107	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.: 410-124489-1

SDG No.:

Matrix: Water

Level: Low

Lab File ID: IY04X33.D

Lab ID: LCS 410-372381/4

Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	5.42	108	71-134	
1,1,1-Trichloroethane	5.00	5.45	109	78-126	
1,1,2,2-Tetrachloroethane	5.00	5.62	112	75-123	
1,1,2-Trichloroethane	5.00	5.57	111	80-120	
1,1-Dichloroethane	5.00	5.17	103	74-120	
1,1-Dichloroethene	5.00	5.35	107	80-131	
1,2-Dibromoethane (EDB)	5.00	5.54	111	80-120	
1,2-Dichloroethane	5.00	5.15	103	69-122	
1,2-Dichloropropane	5.00	5.51	110	80-120	
2-Butanone (MEK)	62.5	58.6	94	59-141	
2-Hexanone	62.5	54.4	87	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	52.3	84	55-140	
Acetone	62.5	55.7	89	60-146	
Benzene	5.00	5.50	110	80-120	
Bromochloromethane	5.00	5.45	109	80-120	
Bromodichloromethane	5.00	5.29	106	73-124	
Bromoform	5.00	4.41	88	49-144	
Bromomethane	5.00	4.17	83	60-136	
Carbon disulfide	5.00	4.98	100	67-130	
Carbon tetrachloride	5.00	5.32	106	64-141	
Chlorobenzene	5.00	5.38	108	80-120	
Chloroethane	5.00	4.45	89	63-120	
Chloroform	5.00	5.44	109	80-120	
Chloromethane	5.00	4.22	84	56-124	
cis-1,2-Dichloroethene	5.00	5.52	110	80-122	
cis-1,3-Dichloropropene	5.00	4.73	95	67-121	
Dibromochloromethane	5.00	4.95	99	64-138	
Ethylbenzene	5.00	5.48	110	80-120	
Methyl tert-butyl ether	5.00	5.60	112	69-120	
Methylene Chloride	5.00	5.40	108	80-120	
Styrene	5.00	5.56	111	80-120	
Tetrachloroethene	5.00	5.09	102	80-120	
Toluene	5.00	5.46	109	80-120	
trans-1,2-Dichloroethene	5.00	5.25	105	80-122	
trans-1,3-Dichloropropene	5.00	5.06	101	61-129	
Trichloroethene	5.00	5.23	105	80-120	
Vinyl chloride	5.00	4.31	86	60-125	
Xylenes, Total	15.0	16.5	110	80-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Matrix: Water

Level: Low

Lab File ID: HY09X03.D

Lab ID: LCS 410-373833/4

Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	5.59	112	71-134	
1,1,1-Trichloroethane	5.00	5.72	114	78-126	
1,1,2,2-Tetrachloroethane	5.00	5.06	101	75-123	
1,1,2-Trichloroethane	5.00	5.16	103	80-120	
1,1-Dichloroethane	5.00	5.40	108	74-120	
1,1-Dichloroethene	5.00	5.66	113	80-131	
1,2-Dibromoethane (EDB)	5.00	5.63	113	80-120	
1,2-Dichloroethane	5.00	5.51	110	69-122	
1,2-Dichloropropane	5.00	5.71	114	80-120	
2-Butanone (MEK)	62.5	50.7	81	59-141	
2-Hexanone	62.5	46.4	74	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	45.0	72	55-140	
Acetone	62.5	55.0	88	60-146	
Benzene	5.00	5.80	116	80-120	
Bromochloromethane	5.00	6.32	126	80-120	*+
Bromodichloromethane	5.00	5.62	112	73-124	
Bromoform	5.00	5.39	108	49-144	
Bromomethane	5.00	5.23	105	60-136	
Carbon disulfide	5.00	5.80	116	67-130	
Carbon tetrachloride	5.00	5.94	119	64-141	
Chlorobenzene	5.00	5.35	107	80-120	
Chloroethane	5.00	4.92	98	63-120	
Chloroform	5.00	5.59	112	80-120	
Chloromethane	5.00	4.73	95	56-124	
cis-1,2-Dichloroethene	5.00	5.74	115	80-122	
cis-1,3-Dichloropropene	5.00	5.68	114	67-121	
Dibromochloromethane	5.00	5.36	107	64-138	
Ethylbenzene	5.00	5.32	106	80-120	
Methyl tert-butyl ether	5.00	5.48	110	69-120	
Methylene Chloride	5.00	5.62	112	80-120	
Styrene	5.00	5.33	107	80-120	
Tetrachloroethene	5.00	5.56	111	80-120	
Toluene	5.00	5.29	106	80-120	
trans-1,2-Dichloroethene	5.00	5.57	111	80-122	
trans-1,3-Dichloropropene	5.00	5.33	107	61-129	
Trichloroethene	5.00	5.72	114	80-120	
Vinyl chloride	5.00	4.86	97	60-125	
Xylenes, Total	15.0	16.1	108	80-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: CY04X04.D

Lab ID: LCSD 410-372041/5

Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1,2-Tetrachloroethane	5.00	5.25	105	1	30	71-134	
1,1,1-Trichloroethane	5.00	4.65	93	0	30	78-126	
1,1,2,2-Tetrachloroethane	5.00	5.54	111	0	30	75-123	
1,1,2-Trichloroethane	5.00	5.12	102	1	30	80-120	
1,1-Dichloroethane	5.00	4.44	89	2	30	74-120	
1,1-Dichloroethene	5.00	4.78	96	1	30	80-131	
1,2-Dibromoethane (EDB)	5.00	5.25	105	2	30	80-120	
1,2-Dichloroethane	5.00	4.25	85	1	30	69-122	
1,2-Dichloropropane	5.00	4.55	91	1	30	80-120	
2-Butanone (MEK)	62.5	62.1	99	1	30	59-141	
2-Hexanone	62.5	63.7	102	2	30	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	60.3	96	5	30	55-140	
Acetone	62.5	61.8	99	0	30	60-146	
Benzene	5.00	4.71	94	0	30	80-120	
Bromochloromethane	5.00	4.54	91	1	30	80-120	
Bromodichloromethane	5.00	4.43	89	0	30	73-124	
Bromoform	5.00	4.69	94	0	30	49-144	
Bromomethane	5.00	3.72	74	2	30	60-136	
Carbon disulfide	5.00	4.62	92	0	30	67-130	
Carbon tetrachloride	5.00	4.70	94	0	30	64-141	
Chlorobenzene	5.00	5.14	103	1	30	80-120	
Chloroethane	5.00	3.87	77	1	30	63-120	
Chloroform	5.00	4.51	90	1	30	80-120	
Chloromethane	5.00	3.62	72	2	30	56-124	
cis-1,2-Dichloroethene	5.00	4.77	95	0	30	80-122	
cis-1,3-Dichloropropene	5.00	4.34	87	1	30	67-121	
Dibromochloromethane	5.00	4.98	100	0	30	64-138	
Ethylbenzene	5.00	5.46	109	1	30	80-120	
Methyl tert-butyl ether	5.00	4.43	89	0	30	69-120	
Methylene Chloride	5.00	4.62	92	1	30	80-120	
Styrene	5.00	5.39	108	1	30	80-120	
Tetrachloroethene	5.00	5.17	103	1	30	80-120	
Toluene	5.00	5.38	108	0	30	80-120	
trans-1,2-Dichloroethene	5.00	4.54	91	2	30	80-122	
trans-1,3-Dichloropropene	5.00	5.27	105	1	30	61-129	
Trichloroethene	5.00	4.56	91	0	30	80-120	
Vinyl chloride	5.00	3.66	73	2	30	60-125	
Xylenes, Total	15.0	16.0	107	1	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: IY04X34.D

Lab ID: LCSD 410-372381/5

Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1,2-Tetrachloroethane	5.00	5.42	108	0	30	71-134	
1,1,1-Trichloroethane	5.00	5.26	105	4	30	78-126	
1,1,2,2-Tetrachloroethane	5.00	5.57	111	1	30	75-123	
1,1,2-Trichloroethane	5.00	5.41	108	3	30	80-120	
1,1-Dichloroethane	5.00	5.12	102	1	30	74-120	
1,1-Dichloroethene	5.00	5.18	104	3	30	80-131	
1,2-Dibromoethane (EDB)	5.00	5.39	108	3	30	80-120	
1,2-Dichloroethane	5.00	5.10	102	1	30	69-122	
1,2-Dichloropropane	5.00	5.39	108	2	30	80-120	
2-Butanone (MEK)	62.5	54.7	88	7	30	59-141	
2-Hexanone	62.5	50.6	81	7	30	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	50.3	80	4	30	55-140	
Acetone	62.5	51.6	83	8	30	60-146	
Benzene	5.00	5.41	108	2	30	80-120	
Bromochloromethane	5.00	5.31	106	3	30	80-120	
Bromodichloromethane	5.00	5.17	103	2	30	73-124	
Bromoform	5.00	4.37	87	1	30	49-144	
Bromomethane	5.00	4.06	81	2	30	60-136	
Carbon disulfide	5.00	4.81	96	3	30	67-130	
Carbon tetrachloride	5.00	5.14	103	3	30	64-141	
Chlorobenzene	5.00	5.24	105	3	30	80-120	
Chloroethane	5.00	4.39	88	1	30	63-120	
Chloroform	5.00	5.28	106	3	30	80-120	
Chloromethane	5.00	3.91	78	8	30	56-124	
cis-1,2-Dichloroethene	5.00	5.41	108	2	30	80-122	
cis-1,3-Dichloropropene	5.00	4.70	94	1	30	67-121	
Dibromochloromethane	5.00	4.90	98	1	30	64-138	
Ethylbenzene	5.00	5.37	107	2	30	80-120	
Methyl tert-butyl ether	5.00	5.59	112	0	30	69-120	
Methylene Chloride	5.00	5.34	107	1	30	80-120	
Styrene	5.00	5.39	108	3	30	80-120	
Tetrachloroethene	5.00	4.98	100	2	30	80-120	
Toluene	5.00	5.29	106	3	30	80-120	
trans-1,2-Dichloroethene	5.00	5.09	102	3	30	80-122	
trans-1,3-Dichloropropene	5.00	4.93	99	3	30	61-129	
Trichloroethene	5.00	5.11	102	2	30	80-120	
Vinyl chloride	5.00	4.09	82	5	30	60-125	
Xylenes, Total	15.0	16.1	107	3	30	80-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: HY09X04.D

Lab ID: LCSD 410-373833/5

Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1,2-Tetrachloroethane	5.00	5.52	110	1	30	71-134	
1,1,1-Trichloroethane	5.00	5.70	114	0	30	78-126	
1,1,2,2-Tetrachloroethane	5.00	4.97	99	2	30	75-123	
1,1,2-Trichloroethane	5.00	5.16	103	0	30	80-120	
1,1-Dichloroethane	5.00	5.40	108	0	30	74-120	
1,1-Dichloroethene	5.00	5.59	112	1	30	80-131	
1,2-Dibromoethane (EDB)	5.00	5.58	112	1	30	80-120	
1,2-Dichloroethane	5.00	5.65	113	2	30	69-122	
1,2-Dichloropropane	5.00	5.66	113	1	30	80-120	
2-Butanone (MEK)	62.5	57.7	92	13	30	59-141	
2-Hexanone	62.5	53.9	86	15	30	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	51.5	82	13	30	55-140	
Acetone	62.5	61.7	99	11	30	60-146	
Benzene	5.00	5.78	116	0	30	80-120	
Bromochloromethane	5.00	6.25	125	1	30	80-120	*+
Bromodichloromethane	5.00	5.55	111	1	30	73-124	
Bromoform	5.00	5.36	107	1	30	49-144	
Bromomethane	5.00	5.18	104	1	30	60-136	
Carbon disulfide	5.00	5.70	114	2	30	67-130	
Carbon tetrachloride	5.00	5.86	117	1	30	64-141	
Chlorobenzene	5.00	5.29	106	1	30	80-120	
Chloroethane	5.00	4.87	97	1	30	63-120	
Chloroform	5.00	5.54	111	1	30	80-120	
Chloromethane	5.00	4.82	96	2	30	56-124	
cis-1,2-Dichloroethene	5.00	5.76	115	0	30	80-122	
cis-1,3-Dichloropropene	5.00	5.59	112	2	30	67-121	
Dibromochloromethane	5.00	5.33	107	1	30	64-138	
Ethylbenzene	5.00	5.32	106	0	30	80-120	
Methyl tert-butyl ether	5.00	5.40	108	1	30	69-120	
Methylene Chloride	5.00	5.62	112	0	30	80-120	
Styrene	5.00	5.32	106	0	30	80-120	
Tetrachloroethene	5.00	5.59	112	0	30	80-120	
Toluene	5.00	5.34	107	1	30	80-120	
trans-1,2-Dichloroethene	5.00	5.49	110	1	30	80-122	
trans-1,3-Dichloropropene	5.00	5.28	106	1	30	61-129	
Trichloroethene	5.00	5.69	114	1	30	80-120	
Vinyl chloride	5.00	4.86	97	0	30	60-125	
Xylenes, Total	15.0	16.1	108	0	30	80-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Matrix: Water

Level: Low

Lab File ID: CY03X10.D

Lab ID: 410-124489-6 MS

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

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	ND	5.60	112	71-134	
1,1,1-Trichloroethane	5.00	0.25 J	5.41	103	78-126	
1,1,2,2-Tetrachloroethane	5.00	ND	5.53	110	75-123	
1,1,2-Trichloroethane	5.00	ND	5.30	106	80-120	
1,1-Dichloroethane	5.00	ND	4.97	99	74-120	
1,1-Dichloroethene	5.00	0.18 J	5.58	108	80-131	
1,2-Dibromoethane (EDB)	5.00	ND	5.47	109	80-120	
1,2-Dichloroethane	5.00	ND	4.28	86	69-122	
1,2-Dichloropropane	5.00	ND	4.87	97	80-120	
2-Butanone (MEK)	62.6	ND	63.3	101	59-141	
2-Hexanone	62.6	ND	67.6	108	52-140	
4-Methyl-2-pentanone (MIBK)	62.6	ND	62.7	100	55-140	
Acetone	62.6	1.8 J	61.7	96	60-146	
Benzene	5.00	ND	5.14	103	80-120	
Bromochloromethane	5.00	ND	4.88	98	80-120	
Bromodichloromethane	5.00	ND	4.71	94	73-124	
Bromoform	5.00	ND	4.74	95	49-144	
Bromomethane	5.00	ND	4.03	81	60-136	
Carbon disulfide	5.00	ND	4.91	98	67-130	
Carbon tetrachloride	5.00	ND	5.40	108	64-141	
Chlorobenzene	5.00	ND	5.52	110	80-120	
Chloroethane	5.00	ND	4.40	88	63-120	
Chloroform	5.00	0.22 J	5.04	96	80-120	
Chloromethane	5.00	0.12 J	4.23	82	80-120	
cis-1,2-Dichloroethene	5.00	1.2	6.33	103	80-122	
cis-1,3-Dichloropropene	5.00	ND	4.52	90	67-121	
Dibromochloromethane	5.00	ND	5.22	104	64-138	
Ethylbenzene	5.00	ND	5.87	117	80-120	
Methyl tert-butyl ether	5.00	ND	4.44	89	69-120	
Methylene Chloride	5.00	ND	4.89	98	80-120	
Styrene	5.00	ND	5.74	115	80-120	
Tetrachloroethene	5.00	4.6	10.4	115	80-120	
Toluene	5.00	ND	5.84	117	80-120	
trans-1,2-Dichloroethene	5.00	ND	5.05	101	80-122	
trans-1,3-Dichloropropene	5.00	ND	5.38	107	61-129	
Trichloroethene	5.00	1.1	6.11	100	80-120	
Vinyl chloride	5.00	ND	4.31	86	60-125	
Xylenes, Total	15.0	ND	17.4	116	80-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: CY03X11.D

Lab ID: 410-124489-6 MSD

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

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1,2-Tetrachloroethane	5.00	5.53	110	1	30	71-134	
1,1,1-Trichloroethane	5.00	5.29	101	2	30	78-126	
1,1,2,2-Tetrachloroethane	5.00	5.43	109	2	30	75-123	
1,1,2-Trichloroethane	5.00	5.27	105	0	30	80-120	
1,1-Dichloroethane	5.00	4.90	98	1	30	74-120	
1,1-Dichloroethene	5.00	5.48	106	2	30	80-131	
1,2-Dibromoethane (EDB)	5.00	5.36	107	2	30	80-120	
1,2-Dichloroethane	5.00	4.44	89	4	30	69-122	
1,2-Dichloropropane	5.00	4.79	96	2	30	80-120	
2-Butanone (MEK)	62.6	62.8	100	1	30	59-141	
2-Hexanone	62.6	66.8	107	1	30	52-140	
4-Methyl-2-pentanone (MIBK)	62.6	63.7	102	2	30	55-140	
Acetone	62.6	61.5	95	0	30	60-146	
Benzene	5.00	5.01	100	3	30	80-120	
Bromochloromethane	5.00	4.76	95	2	30	80-120	
Bromodichloromethane	5.00	4.58	92	3	30	73-124	
Bromoform	5.00	4.62	92	3	30	49-144	
Bromomethane	5.00	4.01	80	1	30	60-136	
Carbon disulfide	5.00	4.87	97	1	30	67-130	
Carbon tetrachloride	5.00	5.25	105	3	30	64-141	
Chlorobenzene	5.00	5.51	110	0	30	80-120	
Chloroethane	5.00	4.34	87	1	30	63-120	
Chloroform	5.00	4.99	95	1	30	80-120	
Chloromethane	5.00	4.18	81	1	30	80-120	
cis-1,2-Dichloroethene	5.00	6.30	103	0	30	80-122	
cis-1,3-Dichloropropene	5.00	4.40	88	3	30	67-121	
Dibromochloromethane	5.00	5.07	101	3	30	64-138	
Ethylbenzene	5.00	5.77	115	2	30	80-120	
Methyl tert-butyl ether	5.00	4.35	87	2	30	69-120	
Methylene Chloride	5.00	4.79	96	2	30	80-120	
Styrene	5.00	5.73	114	0	30	80-120	
Tetrachloroethene	5.00	10.3	113	1	30	80-120	
Toluene	5.00	5.75	115	2	30	80-120	
trans-1,2-Dichloroethene	5.00	4.93	99	2	30	80-122	
trans-1,3-Dichloropropene	5.00	5.32	106	1	30	61-129	
Trichloroethene	5.00	5.97	98	2	30	80-120	
Vinyl chloride	5.00	4.26	85	1	30	60-125	
Xylenes, Total	15.0	17.2	114	2	30	80-120	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-124489-1
Environment Testing, LLC

SDG No.: _____

Lab File ID: CY03X04.D Lab Sample ID: MB 410-371870/6

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

Instrument ID: 10193 Date Analyzed: 05/03/2023 21:56

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 410-371870/4	CY03X02.D	05/03/2023 21:10
HD-COD-SW-15-0/1-0	410-124489-6	CY03X09.D	05/03/2023 23:48
HD-COD-SW-15-0/1-0 MS MS	410-124489-6 MS	CY03X10.D	05/04/2023 00:10
HD-COD-SW-15-0/1-0 MSD MSD	410-124489-6 MSD	CY03X11.D	05/04/2023 00:32
HD-COD-SW-6-0/1-0	410-124489-1	CY03X13.D	05/04/2023 01:17
HD-COD-SW-7-0/1-0	410-124489-2	CY03X14.D	05/04/2023 01:39
HD-COD-SW-8-0/1-0	410-124489-3	CY03X15.D	05/04/2023 02:01
HD-COD-SW-9-0/1-0	410-124489-4	CY03X16.D	05/04/2023 02:24
HD-COD-SW-13-0/1-0	410-124489-5	CY03X17.D	05/04/2023 02:46
HD-COD-SW-16-0/1-0	410-124489-7	CY03X18.D	05/04/2023 03:08
HD-COD-SW-17-0/1-0	410-124489-8	CY03X19.D	05/04/2023 03:31
HD-COD-SW-26-0/1-0	410-124489-9	CY03X20.D	05/04/2023 03:53
HD-COD-SW-27-0/1-0	410-124489-10	CY03X21.D	05/04/2023 04:15

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-124489-1
Environment Testing, LLC

SDG No.: _____

Lab File ID: CY04X06.D Lab Sample ID: MB 410-372041/7

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

Instrument ID: 10193 Date Analyzed: 05/04/2023 10:47

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 410-372041/4	CY04X03.D	05/04/2023 09:38
	LCSD 410-372041/5	CY04X04.D	05/04/2023 10:01
HD-QC1-0/1-2	410-124489-14	CY04X07.D	05/04/2023 11:09
HD-COD-SW-28-0/1-0	410-124489-11	CY04X17.D	05/04/2023 14:52
HD-COD-SW-29-0/1-0	410-124489-12	CY04X18.D	05/04/2023 15:15
HD-QC1-0/1-1	410-124489-13	CY04X19.D	05/04/2023 15:37

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-124489-1
Environment Testing, LLC

SDG No.: _____

Lab File ID: IY04X36.D Lab Sample ID: MB 410-372381/7

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

Instrument ID: 19930 Date Analyzed: 05/04/2023 22:41

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 410-372381/4	IY04X33.D	05/04/2023 21:38
	LCSD 410-372381/5	IY04X34.D	05/04/2023 21:59
HD-COD-SW-17-0/1-0 DL	410-124489-8 DL	IY04X53.D	05/05/2023 04:37

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Lab File ID: HY09X06.D

Lab Sample ID: MB 410-373833/7

Matrix: Water

Heated Purge: (Y/N) N

Instrument ID: 19094

Date Analyzed: 05/09/2023 19:44

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 410-373833/4	HY09X03.D	05/09/2023 18:44
	LCSD 410-373833/5	HY09X04.D	05/09/2023 19:04
HD-QC1-0/1-1 DL	410-124489-13 DL	HY09X25.D	05/10/2023 02:05

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Lab File ID: CY01T01.D

BFB Injection Date: 05/01/2023

Instrument ID: 10193

BFB Injection Time: 14:22

Analysis Batch No.: 370594

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.9	
75	30.0 - 60.0 % of mass 95	48.0	
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	0.7	(0.9) 1
174	Greater than 50% of mass 95	87.0	
175	5.0 - 9.0 % of mass 174	6.4	(7.3) 1
176	95.0 - 101.0 % of mass 174	86.0	(98.8) 1
177	5.0 - 9.0 % of mass 176	4.9	(5.7) 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 410-370594/3	CY01X02.D	05/01/2023	15:17
	IC 410-370594/4	CY01X03.D	05/01/2023	15:40
	IC 410-370594/5	CY01X04.D	05/01/2023	16:02
	IC 410-370594/6	CY01X05.D	05/01/2023	16:24
	IC 410-370594/7	CY01X06.D	05/01/2023	16:47
	IC 410-370594/8	CY01X07.D	05/01/2023	17:09
	IC 410-370594/9	CY01X08.D	05/01/2023	17:31
	IC 410-370594/13	CY01X12.D	05/01/2023	19:00
	IC 410-370594/14	CY01X13.D	05/01/2023	19:22
	IC 410-370594/15	CY01X14.D	05/01/2023	19:45
	IC 410-370594/16	CY01X15.D	05/01/2023	20:07
	IC 410-370594/17	CY01X16.D	05/01/2023	20:29
	ICIS 410-370594/18	CY01X17.D	05/01/2023	20:52
	IC 410-370594/19	CY01X18.D	05/01/2023	21:14
	ICV 410-370594/21	CY01X20.D	05/01/2023	21:58

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Lab File ID: CY03T01.D

BFB Injection Date: 05/03/2023

Instrument ID: 10193

BFB Injection Time: 20:33

Analysis Batch No.: 371870

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.0	
75	30.0 - 60.0 % of mass 95	46.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	5.9	
173	Less than 2.0 % of mass 174	0.2	(0.3) 1
174	Greater than 50% of mass 95	92.4	
175	5.0 - 9.0 % of mass 174	6.9	(7.4) 1
176	95.0 - 101.0 % of mass 174	88.9	(96.2) 1
177	5.0 - 9.0 % of mass 176	6.6	(7.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-371870/3	CY03X01.D	05/03/2023	20:47
	LCS 410-371870/4	CY03X02.D	05/03/2023	21:10
	MB 410-371870/6	CY03X04.D	05/03/2023	21:56
HD-COD-SW-15-0/1-0	410-124489-6	CY03X09.D	05/03/2023	23:48
HD-COD-SW-15-0/1-0 MS MS	410-124489-6 MS	CY03X10.D	05/04/2023	0:10
HD-COD-SW-15-0/1-0 MSD MSD	410-124489-6 MSD	CY03X11.D	05/04/2023	0:32
HD-COD-SW-6-0/1-0	410-124489-1	CY03X13.D	05/04/2023	1:17
HD-COD-SW-7-0/1-0	410-124489-2	CY03X14.D	05/04/2023	1:39
HD-COD-SW-8-0/1-0	410-124489-3	CY03X15.D	05/04/2023	2:01
HD-COD-SW-9-0/1-0	410-124489-4	CY03X16.D	05/04/2023	2:24
HD-COD-SW-13-0/1-0	410-124489-5	CY03X17.D	05/04/2023	2:46
HD-COD-SW-16-0/1-0	410-124489-7	CY03X18.D	05/04/2023	3:08
HD-COD-SW-17-0/1-0	410-124489-8	CY03X19.D	05/04/2023	3:31
HD-COD-SW-26-0/1-0	410-124489-9	CY03X20.D	05/04/2023	3:53
HD-COD-SW-27-0/1-0	410-124489-10	CY03X21.D	05/04/2023	4:15

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Lab File ID: CY04T01.D

BFB Injection Date: 05/04/2023

Instrument ID: 10193

BFB Injection Time: 08:36

Analysis Batch No.: 372041

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.1	
75	30.0 - 60.0 % of mass 95	46.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.9	(1.0) 1
174	Greater than 50% of mass 95	87.1	
175	5.0 - 9.0 % of mass 174	6.5	(7.5) 1
176	95.0 - 101.0 % of mass 174	84.5	(97.1) 1
177	5.0 - 9.0 % of mass 176	5.4	(6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-372041/3	CY04X02.D	05/04/2023	9:16
	LCS 410-372041/4	CY04X03.D	05/04/2023	9:38
	LCSD 410-372041/5	CY04X04.D	05/04/2023	10:01
	MB 410-372041/7	CY04X06.D	05/04/2023	10:47
HD-QC1-0/1-2	410-124489-14	CY04X07.D	05/04/2023	11:09
HD-COD-SW-28-0/1-0	410-124489-11	CY04X17.D	05/04/2023	14:52
HD-COD-SW-29-0/1-0	410-124489-12	CY04X18.D	05/04/2023	15:15
HD-QC1-0/1-1	410-124489-13	CY04X19.D	05/04/2023	15:37

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Lab File ID: HA19T31.D

BFB Injection Date: 04/19/2023

Instrument ID: 19094

BFB Injection Time: 17:40

Analysis Batch No.: 366140

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.0	
75	30.0 - 60.0 % of mass 95	46.8	
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	(1.0) 1
174	Greater than 50% of mass 95	83.8	
175	5.0 - 9.0 % of mass 174	6.2	(7.4) 1
176	95.0 - 101.0 % of mass 174	82.3	(98.2) 1
177	5.0 - 9.0 % of mass 176	5.4	(6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-366140/3	HA19X02.D	04/19/2023	18:20
	IC 410-366140/4	HA19X03.D	04/19/2023	18:40
	IC 410-366140/5	HA19X04.D	04/19/2023	19:00
	IC 410-366140/6	HA19X05.D	04/19/2023	19:21
	IC 410-366140/7	copy_HA19X06.D	04/19/2023	19:41
	IC 410-366140/8	HA19X07.D	04/19/2023	20:01
	IC 410-366140/9	HA19X08.D	04/19/2023	20:21
	IC 410-366140/13	HA19X12.D	04/19/2023	21:41
	IC 410-366140/14	HA19X13.D	04/19/2023	22:01
	IC 410-366140/15	HA19X14.D	04/19/2023	22:21
	IC 410-366140/16	HA19X15.D	04/19/2023	22:41
	IC 410-366140/17	HA19X16.D	04/19/2023	23:01
	ICIS 410-366140/18	HA19X17.D	04/19/2023	23:21
	IC 410-366140/19	HA19X18.D	04/19/2023	23:41
	ICV 410-366140/21	HA19X20.D	04/20/2023	0:21

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Lab File ID: HY09T01.D

BFB Injection Date: 05/09/2023

Instrument ID: 19094

BFB Injection Time: 17:50

Analysis Batch No.: 373833

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.8	
75	30.0 - 60.0 % of mass 95	47.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.9	(1.0) 1
174	Greater than 50% of mass 95	85.8	
175	5.0 - 9.0 % of mass 174	6.3	(7.3) 1
176	95.0 - 101.0 % of mass 174	82.2	(95.8) 1
177	5.0 - 9.0 % of mass 176	5.3	(6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-373833/3	HY09X02.D	05/09/2023	18:24
	LCS 410-373833/4	HY09X03.D	05/09/2023	18:44
	LCSD 410-373833/5	HY09X04.D	05/09/2023	19:04
	MB 410-373833/7	HY09X06.D	05/09/2023	19:44
HD-QC1-0/1-1 DL	410-124489-13 DL	HY09X25.D	05/10/2023	2:05

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Lab File ID: IM21T01.D

BFB Injection Date: 03/21/2023

Instrument ID: 19930

BFB Injection Time: 00:26

Analysis Batch No.: 355532

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.4	
75	30.0 - 60.0 % of mass 95	51.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.0	
173	Less than 2.0 % of mass 174	1.5	(1.6) 1
174	Greater than 50% of mass 95	97.3	
175	5.0 - 9.0 % of mass 174	7.5	(7.8) 1
176	95.0 - 101.0 % of mass 174	95.7	(98.4) 1
177	5.0 - 9.0 % of mass 176	6.4	(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 410-355532/3	IM21X02.D	03/21/2023	1:00
	IC 410-355532/4	IM21X03.D	03/21/2023	1:20
	IC 410-355532/5	IM21X04.D	03/21/2023	1:40
	IC 410-355532/6	IM21X05.D	03/21/2023	2:00
	IC 410-355532/7	IM21X06.D	03/21/2023	2:20
	IC 410-355532/8	IM21X07.D	03/21/2023	2:41
	IC 410-355532/9	IM21X08.D	03/21/2023	3:01
	IC 410-355532/12	IM21X11.D	03/21/2023	4:01
	ICIS 410-355532/13	IM21X12.D	03/21/2023	4:22
	IC 410-355532/14	IM21X13.D	03/21/2023	4:42
	IC 410-355532/15	IM21X14.D	03/21/2023	5:02
	IC 410-355532/16	IM21X15.D	03/21/2023	5:22
	IC 410-355532/17	IM21X16.D	03/21/2023	5:42
	IC 410-355532/18	IM21X17.D	03/21/2023	6:02
	ICV 410-355532/19	IM21X18.D	03/21/2023	6:23

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Lab File ID: IY04T31.D

BFB Injection Date: 05/04/2023

Instrument ID: 19930

BFB Injection Time: 20:43

Analysis Batch No.: 372381

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	51.0
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	1.1 (1.1) 1
174	Greater than 50% of mass 95	96.5
175	5.0 - 9.0 % of mass 174	7.4 (7.6) 1
176	95.0 - 101.0 % of mass 174	94.7 (98.1) 1
177	5.0 - 9.0 % of mass 176	6.1 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-372381/3	IY04X32.D	05/04/2023	21:17
	LCS 410-372381/4	IY04X33.D	05/04/2023	21:38
	LCSD 410-372381/5	IY04X34.D	05/04/2023	21:59
	MB 410-372381/7	IY04X36.D	05/04/2023	22:41
HD-COD-SW-17-0/1-0 DL	410-124489-8 DL	IY04X53.D	05/05/2023	4:37

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-124489-1
 Environment Testing, LLC

SDG No.: _____

Sample No.: ICIS 410-370594/18 Date Analyzed: 05/01/2023 20:52

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25 (mm)

Lab File ID (Standard): CY01X17.D Heated Purge: (Y/N) N

Calibration ID: 49717

	TBAd10		FB		CBZd5	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	158563	3.64	1979051	7.07	1853075	10.74
UPPER LIMIT	317126	4.14	3958102	7.57	3706150	11.24
LOWER LIMIT	79282	3.14	989526	6.57	926538	10.24
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 410-370594/21	164868	3.67	1926910	7.07	1812010	10.74
CCVIS 410-371870/3	160770	3.63	2085493	7.06	1661753	10.74
CCVIS 410-372041/3	161130	3.66	2068127	7.06	1679407	10.74

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 Job No.: 410-124489-1
 Environment Testing, LLC

SDG No.: _____

Sample No.: ICIS 410-370594/18 Date Analyzed: 05/01/2023 20:52

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25 (mm)

Lab File ID (Standard): CY01X17.D Heated Purge: (Y/N) N

Calibration ID: 49717

	DCBd4		#	RT #	#	RT #
	AREA #	RT #				
INITIAL CALIBRATION MID-POINT	1160831	12.70				
UPPER LIMIT	2321662	13.20				
LOWER LIMIT	580416	12.20				
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 410-370594/21		1107496	12.70			
CCVIS 410-371870/3		989484	12.70			
CCVIS 410-372041/3		1014847	12.70			

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 Job No.: 410-124489-1
 Environment Testing, LLC

SDG No.: _____

Sample No.: CCVIS 410-371870/3 Date Analyzed: 05/03/2023 20:47

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25 (mm)

Lab File ID (Standard): CY03X01.D Heated Purge: (Y/N) N

Calibration ID: 49717

	TBA _d 10		FB		CBZ _d 5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	160770	3.63	2085493	7.06	1661753	10.74	
UPPER LIMIT	321540	4.13	4170986	7.56	3323506	11.24	
LOWER LIMIT	80385	3.13	1042747	6.56	830877	10.24	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-371870/4	163364	3.64	2075626	7.06	1651828	10.74	
MB 410-371870/6	170965	3.64	2045153	7.06	1634746	10.74	
410-124489-6	HD-COD-SW-15-0/1-0	148769	3.65	1997887	7.06	1585854	10.74
410-124489-6 MS	HD-COD-SW-15-0/1-0 MS MS	148619	3.62	2032012	7.06	1622377	10.74
410-124489-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	148192	3.66	2055421	7.07	1623064	10.74
410-124489-1	HD-COD-SW-6-0/1-0	161514	3.65	1968832	7.06	1550852	10.74
410-124489-2	HD-COD-SW-7-0/1-0	158132	3.64	2009902	7.06	1586661	10.74
410-124489-3	HD-COD-SW-8-0/1-0	166807	3.64	1994653	7.07	1600848	10.74
410-124489-4	HD-COD-SW-9-0/1-0	142799	3.64	1999589	7.06	1594298	10.74
410-124489-5	HD-COD-SW-13-0/1-0	149378	3.64	1979696	7.06	1561126	10.74
410-124489-7	HD-COD-SW-16-0/1-0	147636	3.64	1981180	7.06	1579623	10.74
410-124489-8	HD-COD-SW-17-0/1-0	152062	3.65	1998073	7.07	1594740	10.74
410-124489-9	HD-COD-SW-26-0/1-0	174573	3.66	1975898	7.07	1579682	10.74
410-124489-10	HD-COD-SW-27-0/1-0	149883	3.64	1994691	7.07	1580450	10.74

TBA_d10 = t-Butyl alcohol-d₁₀ (IS)

TBA_d10 = t-Butyl alcohol-d₁₀ (IS)

FB = Fluorobenzene (IS)

FB = Fluorobenzene (IS)

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

CBZ_d5 = 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 Job No.: 410-124489-1
 Environment Testing, LLC

SDG No.:

Sample No.: CCVIS 410-371870/3 Date Analyzed: 05/03/2023 20:47

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25 (mm)

Lab File ID (Standard): CY03X01.D Heated Purge: (Y/N) N

Calibration ID: 49717

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		989484	12.70				
UPPER LIMIT		1978968	13.20				
LOWER LIMIT		494742	12.20				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-371870/4		1003286	12.70				
MB 410-371870/6		940247	12.70				
410-124489-6	HD-COD-SW-15-0/1-0	929713	12.70				
410-124489-6 MS	HD-COD-SW-15-0/1-0 MS MS	963726	12.70				
410-124489-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	986179	12.70				
410-124489-1	HD-COD-SW-6-0/1-0	899521	12.70				
410-124489-2	HD-COD-SW-7-0/1-0	925072	12.70				
410-124489-3	HD-COD-SW-8-0/1-0	936158	12.70				
410-124489-4	HD-COD-SW-9-0/1-0	921064	12.70				
410-124489-5	HD-COD-SW-13-0/1-0	919924	12.70				
410-124489-7	HD-COD-SW-16-0/1-0	931714	12.70				
410-124489-8	HD-COD-SW-17-0/1-0	930400	12.70				
410-124489-9	HD-COD-SW-26-0/1-0	925969	12.70				
410-124489-10	HD-COD-SW-27-0/1-0	931942	12.70				

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 Job No.: 410-124489-1
 Environment Testing, LLC

SDG No.:

Sample No.: CCVIS 410-372041/3 Date Analyzed: 05/04/2023 09:16

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25 (mm)

Lab File ID (Standard): CY04X02.D Heated Purge: (Y/N) N

Calibration ID: 49717

	TBA _d 10		FB		CBZ _d 5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	161130	3.66	2068127	7.06	1679407	10.74	
UPPER LIMIT	322260	4.16	4136254	7.56	3358814	11.24	
LOWER LIMIT	80565	3.16	1034064	6.56	839704	10.24	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-372041/4	157470	3.66	2051410	7.06	1640651	10.74	
LCSD 410-372041/5	160173	3.63	2053542	7.06	1639052	10.74	
MB 410-372041/7	146759	3.64	1959987	7.06	1567728	10.74	
410-124489-14	HD-QC1-0/1-2	151583	3.66	1976331	7.07	1588238	10.74
410-124489-11	HD-COD-SW-28-0/1-0	148214	3.64	1930205	7.06	1550450	10.74
410-124489-12	HD-COD-SW-29-0/1-0	149094	3.64	1907768	7.06	1527154	10.74
410-124489-13	HD-QC1-0/1-1	148333	3.64	1943740	7.06	1561401	10.74

TBA_d10 = t-Butyl alcohol-d₁₀ (IS)
 TBA_d10 = t-Butyl alcohol-d₁₀ (IS)
 FB = Fluorobenzene (IS)
 CBZ_d5 = 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 Job No.: 410-124489-1
Environment Testing, LLC

SDG No.: _____

Sample No.: CCVIS 410-372041/3 Date Analyzed: 05/04/2023 09:16

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25 (mm)

Lab File ID (Standard): CY04X02.D Heated Purge: (Y/N) N

Calibration ID: 49717

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		1014847	12.70				
UPPER LIMIT		2029694	13.20				
LOWER LIMIT		507424	12.20				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-372041/4		966440	12.70				
LCSD 410-372041/5		965205	12.70				
MB 410-372041/7		922663	12.70				
410-124489-14	HD-QC1-0/1-2	936072	12.70				
410-124489-11	HD-COD-SW-28-0/1-0	916179	12.70				
410-124489-12	HD-COD-SW-29-0/1-0	888878	12.70				
410-124489-13	HD-QC1-0/1-1	899502	12.70				

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.: 410-124489-1

SDG No.: _____

Sample No.: ICIS 410-366140/18

Date Analyzed: 04/19/2023 23:21

Instrument ID: 19094

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

Lab File ID (Standard): HA19X17.D

Heated Purge: (Y/N) N

Calibration ID: 49526

	TBAd10		FB		CBZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	78513	4.05	1983640	7.57	1451141	11.09	
UPPER LIMIT	157026	4.55	3967280	8.07	2902282	11.59	
LOWER LIMIT	39257	3.55	991820	7.07	725571	10.59	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-366140/21		80290	4.06	1989207	7.56	1456389	11.10
CCVIS 410-373833/3		79934	4.07	1668267	7.56	1358814	11.09

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 Job No.: 410-124489-1
Environment Testing, LLC
 SDG No.: _____
 Sample No.: ICIS 410-366140/18 Date Analyzed: 04/19/2023 23:21
 Instrument ID: 19094 GC Column: R-624SilMS 30m ID: 0.25 (mm)
 Lab File ID (Standard): HA19X17.D Heated Purge: (Y/N) N
 Calibration ID: 49526

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		792309	12.99				
UPPER LIMIT		1584618	13.49				
LOWER LIMIT		396155	12.49				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-366140/21		786971	12.99				
CCVIS 410-373833/3		777939	12.99				

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 Job No.: 410-124489-1
 Environment Testing, LLC

SDG No.: _____

Sample No.: CCVIS 410-373833/3 Date Analyzed: 05/09/2023 18:24

Instrument ID: 19094 GC Column: R-624SilMS 30m ID: 0.25 (mm)

Lab File ID (Standard): HY09X02.D Heated Purge: (Y/N) N

Calibration ID: 49526

	TBA _d 10		FB		CBZ _d 5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	79934	4.07	1668267	7.56	1358814	11.09	
UPPER LIMIT	159868	4.57	3336534	8.06	2717628	11.59	
LOWER LIMIT	39967	3.57	834134	7.06	679407	10.59	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-373833/4	99144	4.07	1713635	7.57	1384869	11.09	
LCSD 410-373833/5	85905	4.06	1730769	7.56	1397659	11.09	
MB 410-373833/7	94167	4.07	1706945	7.56	1368171	11.09	
410-124489-13 DL	HD-QC1-0/1-1 DL	88686	4.06	1615813	7.56	1327701	11.09

TBA_d10 = t-Butyl alcohol-d₁₀ (IS)
 TBA_d10 = t-Butyl alcohol-d₁₀ (IS)
 FB = Fluorobenzene (IS)
 CBZ_d5 = Chlorobenzene-d₅ (IS)
 Area Limit = 50%-200% of internal standard area
 CBZ_d5 = 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 Job No.: 410-124489-1
Environment Testing, LLC

SDG No.: _____

Sample No.: CCVIS 410-373833/3 Date Analyzed: 05/09/2023 18:24

Instrument ID: 19094 GC Column: R-624SilMS 30m ID: 0.25 (mm)

Lab File ID (Standard): HY09X02.D Heated Purge: (Y/N) N

Calibration ID: 49526

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		777939	12.99				
UPPER LIMIT		1555878	13.49				
LOWER LIMIT		388970	12.49				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-373833/4		781940	12.99				
LCSD 410-373833/5		789170	12.99				
MB 410-373833/7		766595	12.99				
410-124489-13 DL	HD-QC1-0/1-1 DL	738705	12.99				

DCBd4 = 1,4-Dichlorobenzene-d4
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-124489-1
 Environment Testing, LLC

SDG No.: _____

Sample No.: ICIS 410-355532/13 Date Analyzed: 03/21/2023 04:22

Instrument ID: 19930 GC Column: R-624SilMS 30m ID: 0.25 (mm)

Lab File ID (Standard): IM21X12.D Heated Purge: (Y/N) N

Calibration ID: 48558

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		1169233	12.94				
UPPER LIMIT		2338466	13.44				
LOWER LIMIT		584617	12.44				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-355532/19		1161321	12.94				
CCVIS 410-372381/3		1048250	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 Job No.: 410-124489-1
 Environment Testing, LLC

SDG No.: _____

Sample No.: CCVIS 410-372381/3 Date Analyzed: 05/04/2023 21:17

Instrument ID: 19930 GC Column: R-624SilMS 30m ID: 0.25 (mm)

Lab File ID (Standard): IY04X32.D Heated Purge: (Y/N) N

Calibration ID: 48558

	TBA _d 10		FB		CBZ _d 5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	152596	4.10	2125716	7.56	1675403	11.05	
UPPER LIMIT	305192	4.60	4251432	8.06	3350806	11.55	
LOWER LIMIT	76298	3.60	1062858	7.06	837702	10.55	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-372381/4	149101	4.15	2165088	7.57	1681951	11.05	
LCSD 410-372381/5	158421	4.10	2201209	7.56	1721279	11.06	
MB 410-372381/7	161820	4.09	2117860	7.56	1645138	11.05	
410-124489-8 DL	HD-COD-SW-17-0/1-0 DL	134704	4.14	1947904	7.56	1527301	11.06

TBA_d10 = t-Butyl alcohol-d₁₀ (IS)
 TBA_d10 = t-Butyl alcohol-d₁₀ (IS)
 FB = Fluorobenzene (IS)
 CBZ_d5 = Chlorobenzene-d₅ (IS)
 Area Limit = 50%-200% of internal standard area
 CBZ_d5 = 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 Job No.: 410-124489-1
 Environment Testing, LLC

SDG No.: _____

Sample No.: CCVIS 410-372381/3 Date Analyzed: 05/04/2023 21:17

Instrument ID: 19930 GC Column: R-624SilMS 30m ID: 0.25 (mm)

Lab File ID (Standard): IY04X32.D Heated Purge: (Y/N) N

Calibration ID: 48558

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		1048250	12.94				
UPPER LIMIT		2096500	13.44				
LOWER LIMIT		524125	12.44				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-372381/4		1045455	12.94				
LCSD 410-372381/5		1071490	12.94				
MB 410-372381/7		978145	12.94				
410-124489-8 DL	HD-COD-SW-17-0/1-0 DL	896420	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.: 410-124489-1

SDG No.:

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

Lab Sample ID: 410-124489-1

Matrix: Water

Lab File ID: CY03X13.D

Analysis Method: 8260D

Date Collected: 04/27/2023 11:15

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 01:17

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 371870

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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	4.7	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	^c cn	0.50	0.10
75-15-0	Carbon disulfide	ND	^c cn	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	^c cn	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	0.10
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.: 410-124489-1

SDG No.:

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

Lab Sample ID: 410-124489-1

Matrix: Water

Lab File ID: CY03X13.D

Analysis Method: 8260D

Date Collected: 04/27/2023 11:15

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 01:17

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 371870

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)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
2037-26-5	Toluene-d8 (Surr)	109		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X13.D
 Lims ID: 410-124489-A-1
 Client ID: HD-COD-SW-6-0/1-0
 Sample Type: Client
 Inject. Date: 04-May-2023 01:17:30 ALS Bottle#: 13 Worklist Smp#: 15
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-015
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:42:54 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: DVW2 Date: 04-May-2023 15:27:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.898	1.892	0.006	98	5488	0.0634	M
6 Vinyl chloride	62		1.983				ND	
9 Bromomethane	94		2.270				ND	7
10 Chloroethane	64		2.331				ND	
18 1,1-Dichloroethene	96		3.038				ND	7
20 Acetone	43	3.080	3.074	0.006	98	36318	4.72	
25 Carbon disulfide	76		3.294				ND	7
30 Methylene Chloride	84		3.593				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.647	3.629	0.018	97	161514	50.0	
34 Methyl tert-butyl ether	73		3.940				ND	7
35 trans-1,2-Dichloroethene	96		3.946				ND	
37 1,1-Dichloroethane	63		4.574				ND	
42 2-Butanone (MEK)	43		5.409				ND	7
43 cis-1,2-Dichloroethene	96		5.434				ND	7
48 Chlorobromomethane	128		5.769				ND	
50 Chloroform	83	5.946	5.934	0.012	92	8704	0.0789	
53 1,1,1-Trichloroethane	97		6.153				ND	
\$ 54 Dibromofluoromethane (Surr)	113	6.159	6.153	0.006	94	484697	9.45	
56 Carbon tetrachloride	117		6.366				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.616	6.610	0.006	98	98321	9.73	
60 Benzene	78		6.641				ND	7
61 1,2-Dichloroethane	62		6.720				ND	
* 65 Fluorobenzene (IS)	96	7.061	7.061	0.000	99	1968832	10.0	
68 Trichloroethene	95		7.555				ND	
70 1,2-Dichloropropane	63		7.891				ND	
76 Dichlorobromomethane	83		8.250				ND	7
80 cis-1,3-Dichloropropene	75		8.829				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.037				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	93	2014826	10.9	
84 Toluene	92	9.244	9.250	-0.006	99	5574	0.0390	
85 trans-1,3-Dichloropropene	75		9.555				ND	7
87 1,1,2-Trichloroethane	97		9.768				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166		9.854				ND	7
106 2-Hexanone	43		10.018				ND	7
108 Chlorodibromomethane	129		10.171				ND	
110 Ethylene Dibromide	107		10.280				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.744	0.000	85	1550852	10.0	
113 Chlorobenzene	112		10.768				ND	
114 1,1,1,2-Tetrachloroethane	131		10.860				ND	
115 Ethylbenzene	91		10.866				ND	7
116 m-Xylene & p-Xylene	106		10.988				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.329				ND	7
119 Styrene	104		11.347				ND	7
120 Bromoform	173		11.506				ND	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	94	743867	9.40	
126 1,1,2,2-Tetrachloroethane	83		11.908				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.701	12.695	0.006	94	899521	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_HP25_ISSS_00069

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X13.D

Injection Date: 04-May-2023 01:17:30

Instrument ID: 10193

Operator ID: gaw91131

Lims ID: 410-124489-A-1

Lab Sample ID: 410-124489-1

Worklist Smp#: 15

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

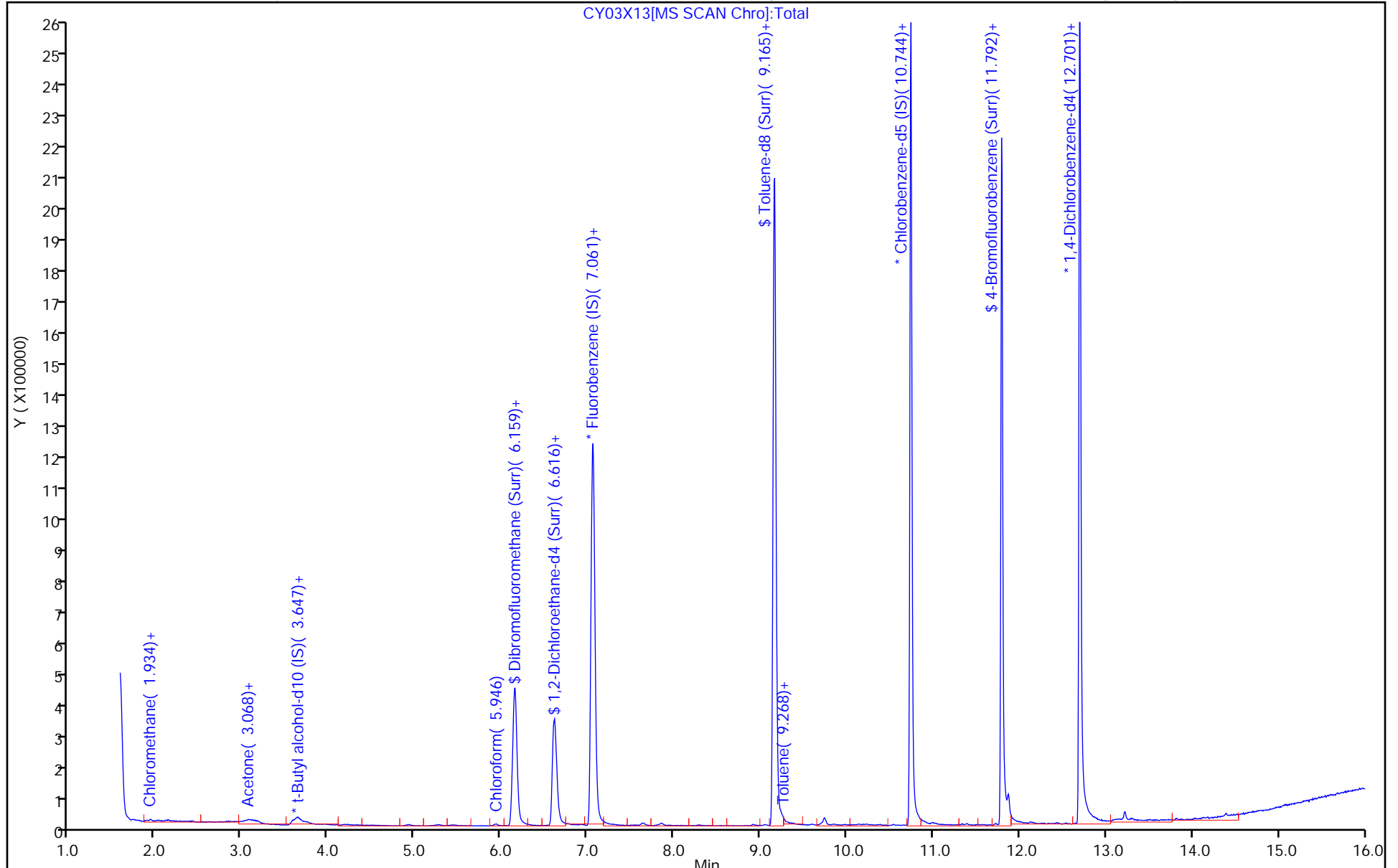
ALS Bottle#: 13

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\20230503-83144.b\CY03X13.D
 Lims ID: 410-124489-A-1
 Client ID: HD-COD-SW-6-0/1-0
 Sample Type: Client
 Inject. Date: 04-May-2023 01:17:30 ALS Bottle#: 13 Worklist Smp#: 15
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-015
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:42:54 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

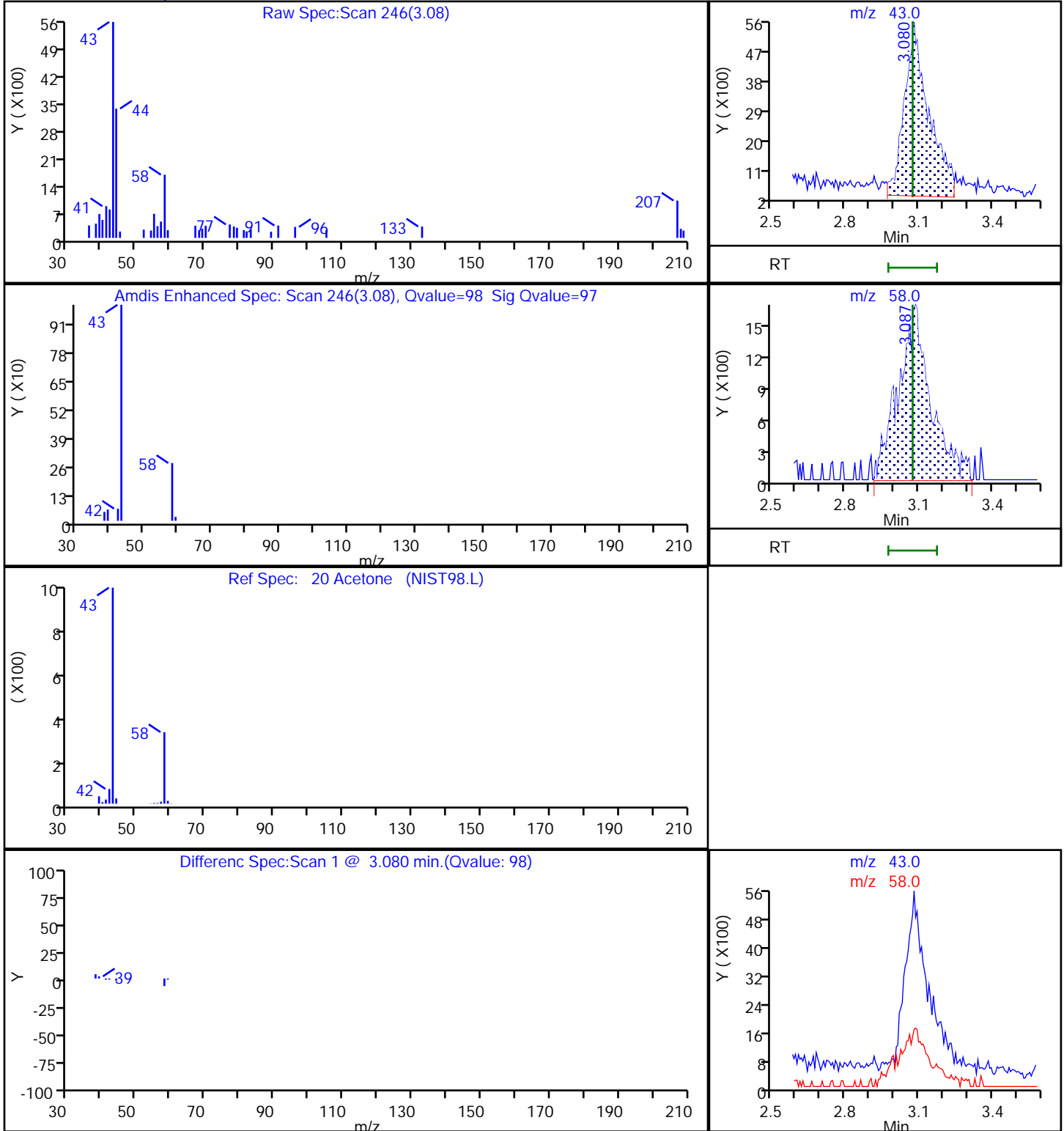
First Level Reviewer: DVW2

Date: 04-May-2023 15:27:28

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	9.45	94.53
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.73	97.29
\$ 83 Toluene-d8 (Surr)	10.0	10.9	108.77
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.40	93.96

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X13.D
Injection Date: 04-May-2023 01:17:30 Instrument ID: 10193
Lims ID: 410-124489-A-1 Lab Sample ID: 410-124489-1
Client ID: HD-COD-SW-6-0/1-0
Operator ID: gaw91131 ALS Bottle#: 13 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 ID) MS Quad

20 Acetone, CAS: 67-64-1



Eurofins Lancaster Laboratories Environment Testing, LLC

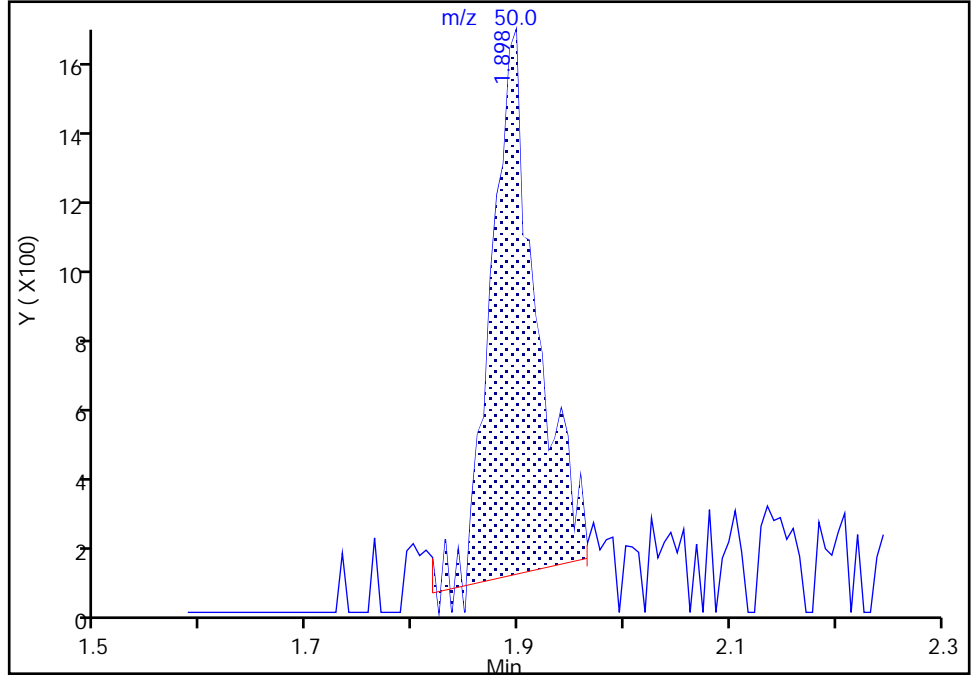
Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X13.D
Injection Date: 04-May-2023 01:17:30 Instrument ID: 10193
Lims ID: 410-124489-A-1 Lab Sample ID: 410-124489-1
Client ID: HD-COD-SW-6-0/1-0
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

5 Chloromethane, CAS: 74-87-3

Signal: 1

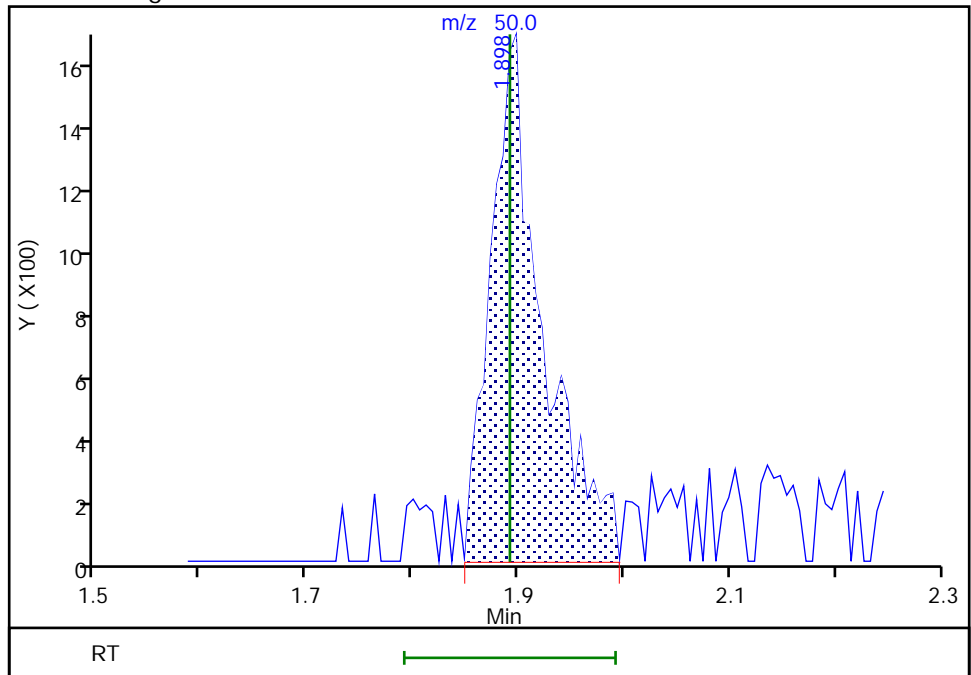
RT: 1.90
Area: 4431
Amount: 0.051224
Amount Units: ug/l

Processing Integration Results



RT: 1.90
Area: 5488
Amount: 0.063444
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-May-2023 15:27:04 -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.: 410-124489-1

SDG No.:

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

Lab Sample ID: 410-124489-2

Matrix: Water

Lab File ID: CY03X14.D

Analysis Method: 8260D

Date Collected: 04/27/2023 11:55

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 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.: 371870

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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	5.6		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	^c cn	0.50	0.10
75-15-0	Carbon disulfide	ND	^c cn	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	^c cn	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	0.14	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.10
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 Job No.: 410-124489-1
 Environment Testing, LLC

SDG No.:

Client Sample ID: HD-COD-SW-7-0/1-0 Lab Sample ID: 410-124489-2

Matrix: Water Lab File ID: CY03X14.D

Analysis Method: 8260D Date Collected: 04/27/2023 11:55

Sample wt/vol: 25 (mL) Date Analyzed: 05/04/2023 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.: 371870 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	0.12	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	94		80-120
2037-26-5	Toluene-d8 (Surr)	110		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X14.D
 Lims ID: 410-124489-A-2
 Client ID: HD-COD-SW-7-0/1-0
 Sample Type: Client
 Inject. Date: 04-May-2023 01:39:30 ALS Bottle#: 14 Worklist Smp#: 16
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-016
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:42:54 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: DVW2 Date: 04-May-2023 15:28:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.886	1.892	-0.006	99	7231	0.0819	
6 Vinyl chloride	62		1.983				ND	7
9 Bromomethane	94		2.270				ND	7
10 Chloroethane	64		2.331				ND	
18 1,1-Dichloroethene	96		3.038				ND	7
20 Acetone	43	3.074	3.074	0.000	96	42419	5.63	M
25 Carbon disulfide	76	3.294	3.294	0.000	94	7251	0.0410	M
30 Methylene Chloride	84		3.593				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.641	3.629	0.012	96	158132	50.0	
34 Methyl tert-butyl ether	73		3.940				ND	7
35 trans-1,2-Dichloroethene	96		3.946				ND	
37 1,1-Dichloroethane	63		4.574				ND	
42 2-Butanone (MEK)	43		5.409				ND	7
43 cis-1,2-Dichloroethene	96	5.446	5.434	0.012	79	9406	0.1384	
48 Chlorobromomethane	128		5.769				ND	
50 Chloroform	83	5.946	5.934	0.012	60	8644	0.0768	M
53 1,1,1-Trichloroethane	97		6.153				ND	
\$ 54 Dibromofluoromethane (Surr)	113	6.153	6.153	0.000	94	490207	9.36	
56 Carbon tetrachloride	117		6.366				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.616	6.610	0.006	98	99883	9.68	
60 Benzene	78		6.641				ND	
61 1,2-Dichloroethane	62		6.720				ND	
* 65 Fluorobenzene (IS)	96	7.061	7.061	0.000	99	2009902	10.0	
68 Trichloroethene	95	7.555	7.555	0.000	95	7871	0.1156	
70 1,2-Dichloropropane	63		7.891				ND	
76 Dichlorobromomethane	83		8.250				ND	7
80 cis-1,3-Dichloropropene	75		8.829				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.037				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	93	2078654	11.0	
84 Toluene	92	9.250	9.250	0.000	98	10392	0.0711	
85 trans-1,3-Dichloropropene	75		9.555				ND	
87 1,1,2-Trichloroethane	97		9.768				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166	9.854	9.854	0.000	96	3420	0.0496	
106 2-Hexanone	43		10.018				ND	7
108 Chlorodibromomethane	129		10.171				ND	
110 Ethylene Dibromide	107		10.280				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.744	0.000	85	1586661	10.0	
113 Chlorobenzene	112		10.768				ND	
114 1,1,1,2-Tetrachloroethane	131		10.860				ND	
115 Ethylbenzene	91		10.866				ND	7
116 m-Xylene & p-Xylene	106		10.988				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.329				ND	7
119 Styrene	104		11.347				ND	7
120 Bromoform	173		11.506				ND	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	94	768104	9.48	
126 1,1,2,2-Tetrachloroethane	83		11.908				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.701	12.695	0.005	94	925072	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_HP25_ISSS_00069

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X14.D

Injection Date: 04-May-2023 01:39:30

Instrument ID: 10193

Operator ID: gaw91131

Lims ID: 410-124489-A-2

Lab Sample ID: 410-124489-2

Worklist Smp#: 16

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

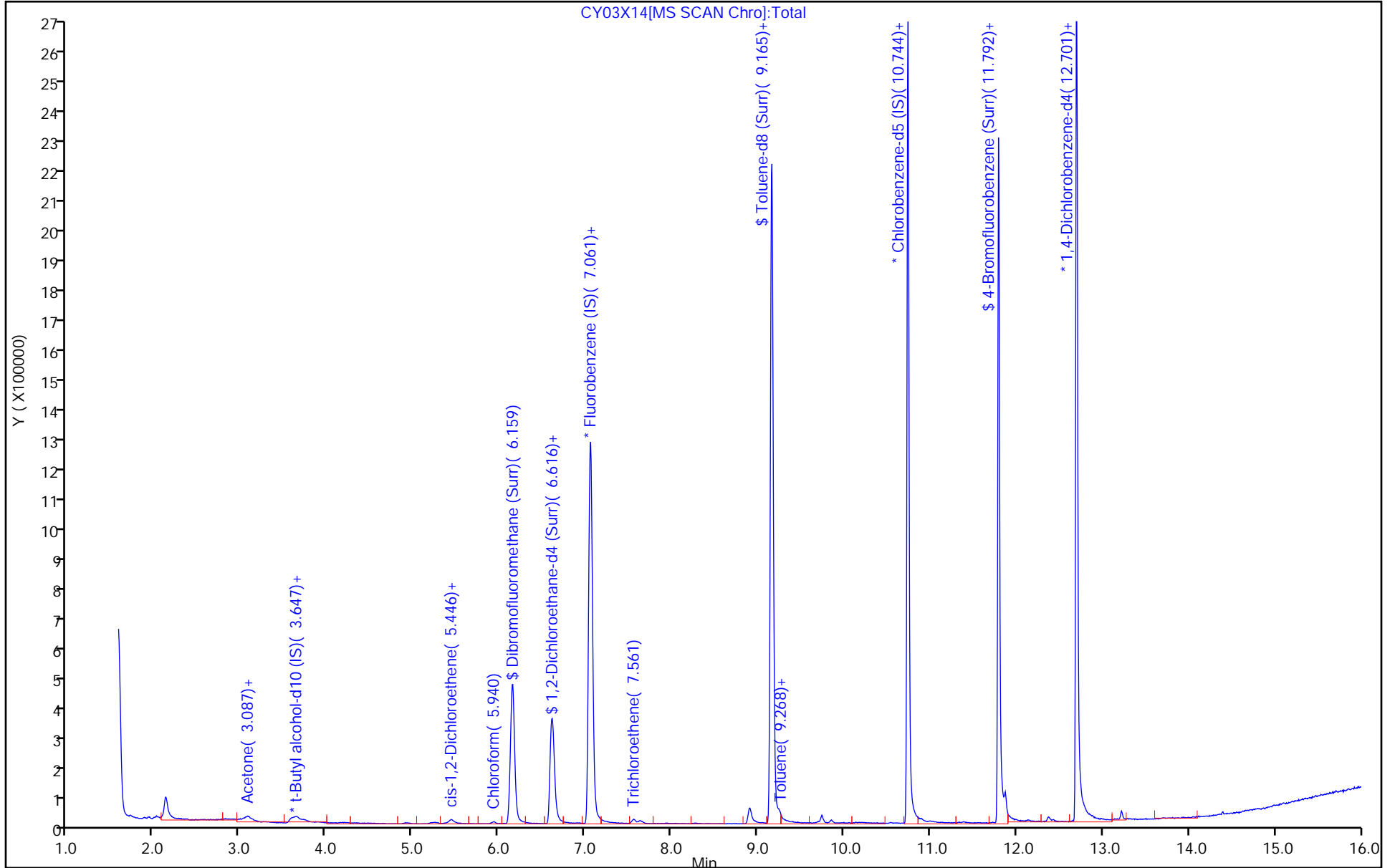
ALS Bottle#: 14

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\20230503-83144.b\CY03X14.D
 Lims ID: 410-124489-A-2
 Client ID: HD-COD-SW-7-0/1-0
 Sample Type: Client
 Inject. Date: 04-May-2023 01:39:30 ALS Bottle#: 14 Worklist Smp#: 16
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-016
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:42:54 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: DVW2

Date: 04-May-2023 15:28:49

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	9.36	93.65
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.68	96.82
\$ 83 Toluene-d8 (Surr)	10.0	11.0	109.69
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.48	94.84

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X14.D

Injection Date: 04-May-2023 01:39:30 Instrument ID: 10193

Lims ID: 410-124489-A-2 Lab Sample ID: 410-124489-2

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

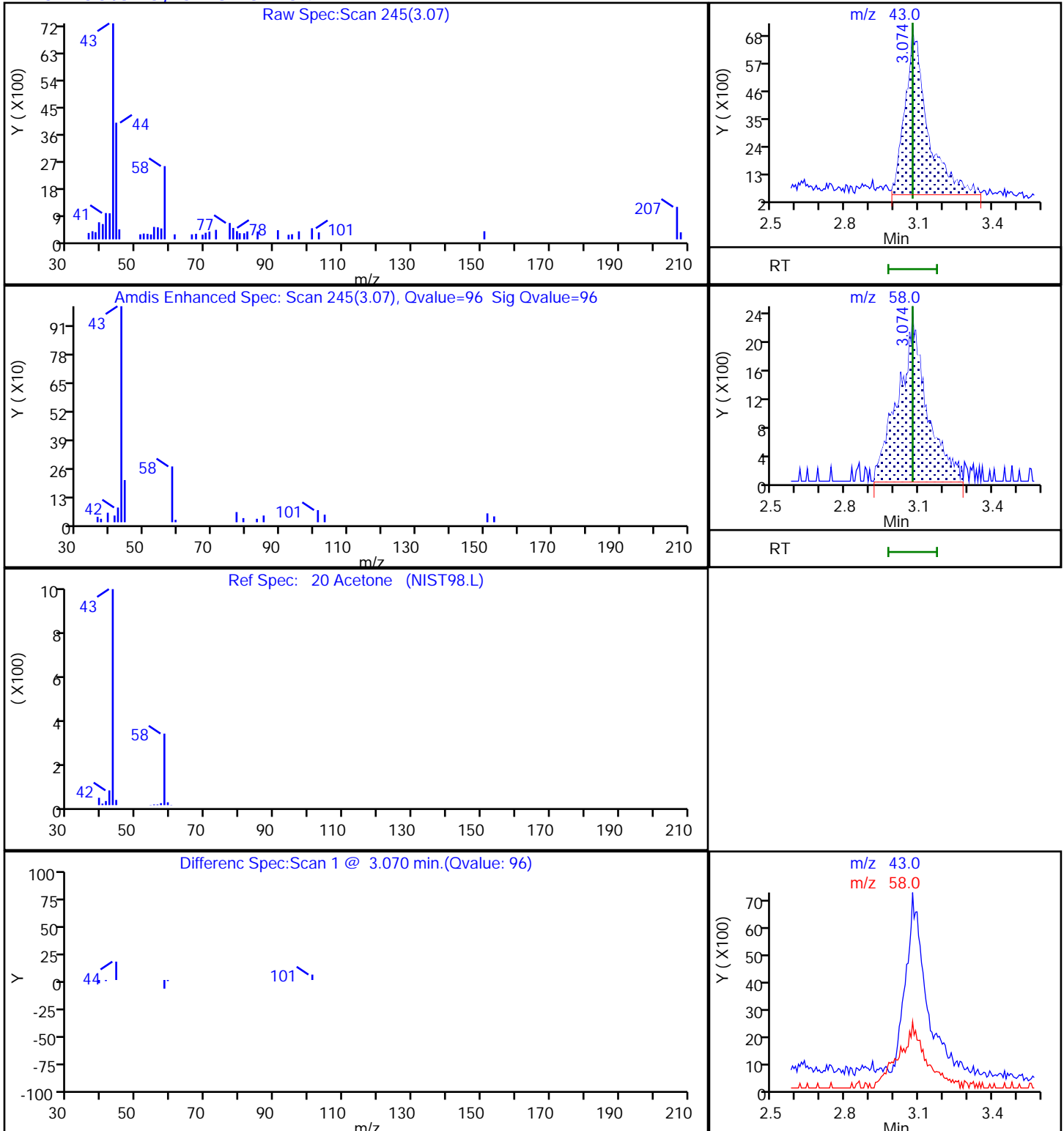
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 16

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 ID) MS Quad

20 Acetone, CAS: 67-64-1



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X14.D

Injection Date: 04-May-2023 01:39:30

Instrument ID: 10193

Lims ID: 410-124489-A-2

Lab Sample ID: 410-124489-2

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

Operator ID: gaw91131

ALS Bottle#: 14

Worklist Smp#: 16

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

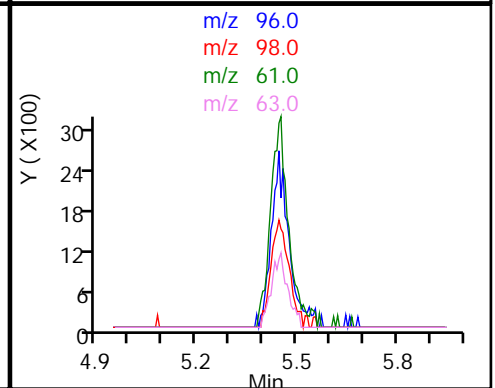
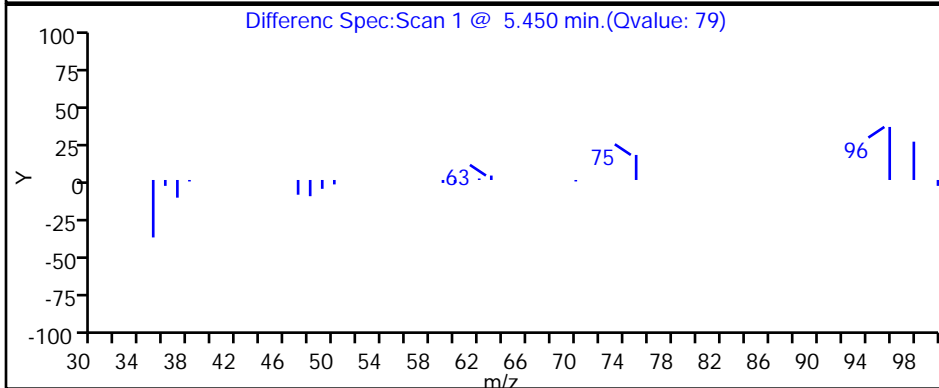
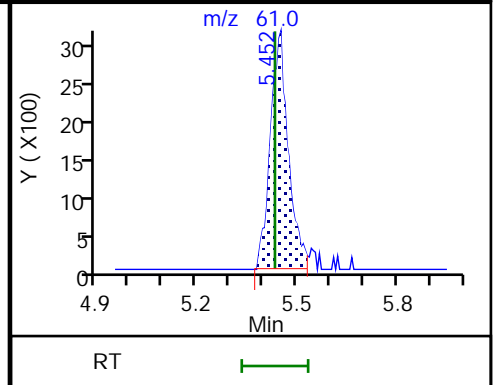
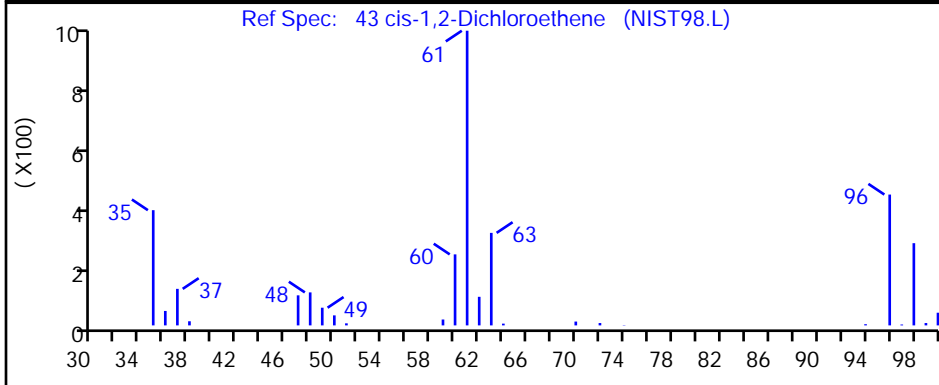
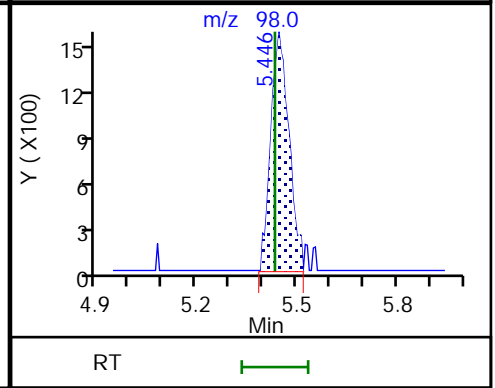
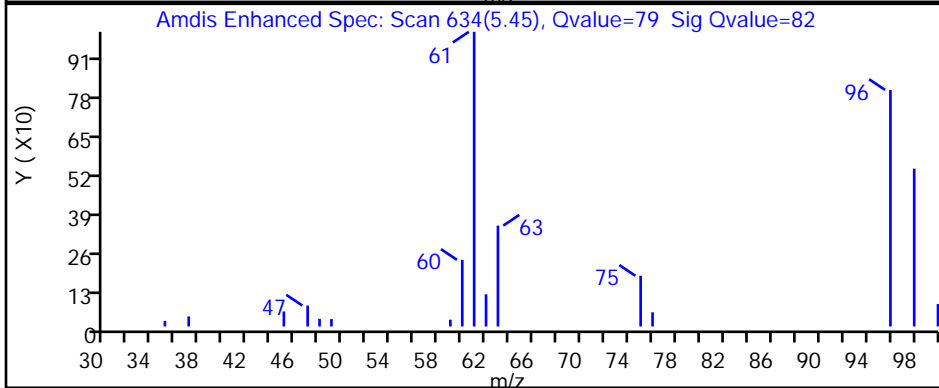
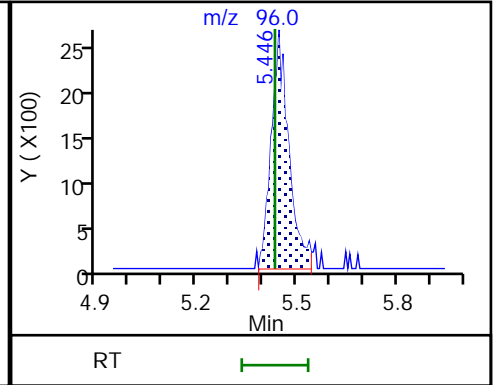
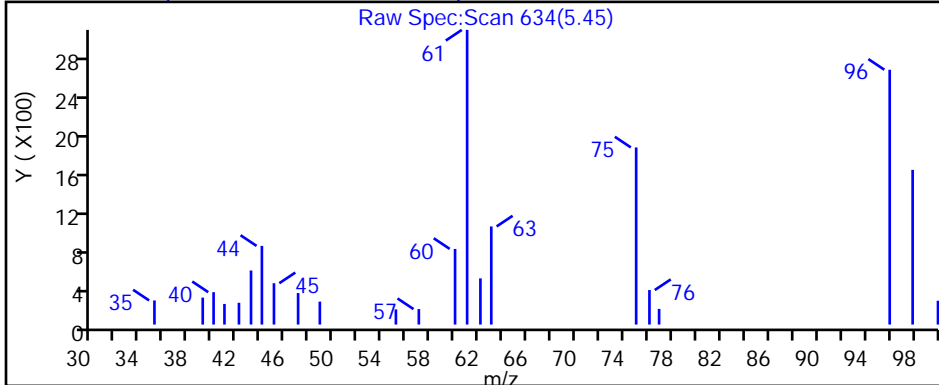
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X14.D

Injection Date: 04-May-2023 01:39:30

Instrument ID: 10193

Lims ID: 410-124489-A-2

Lab Sample ID: 410-124489-2

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

Operator ID: gaw91131

ALS Bottle#: 14

Worklist Smp#: 16

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

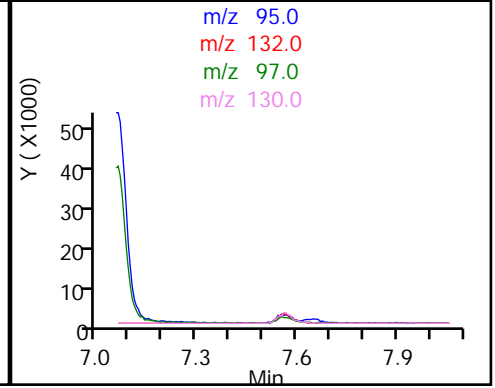
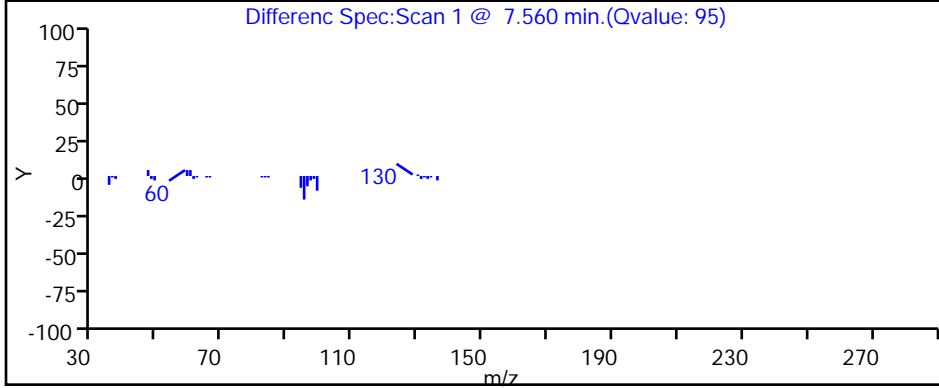
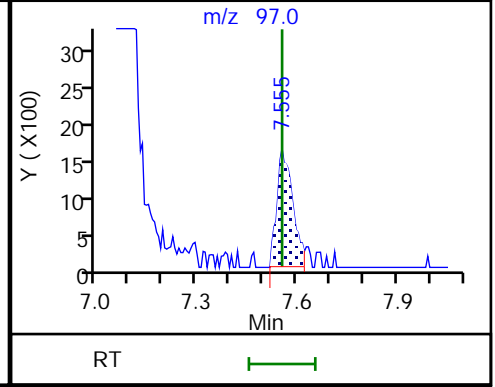
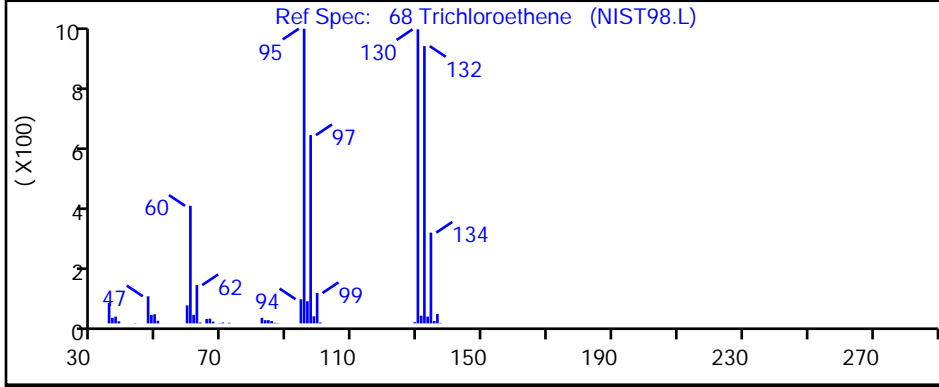
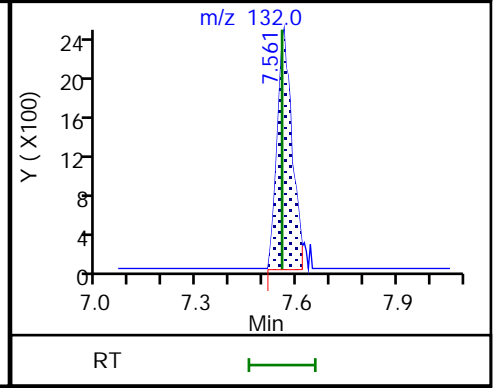
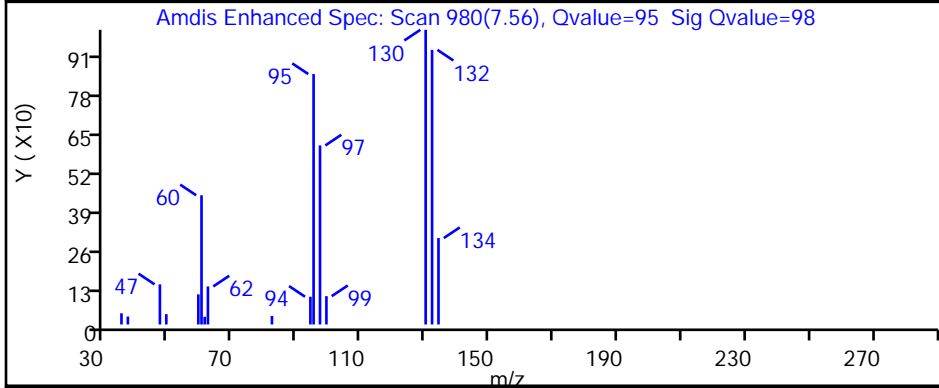
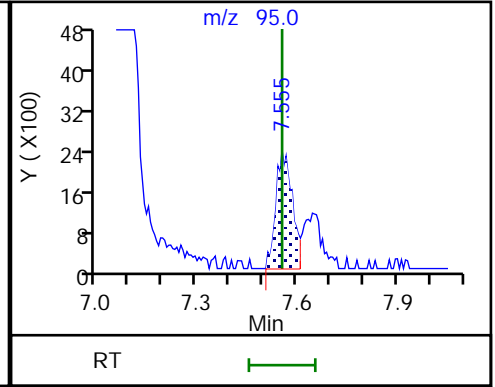
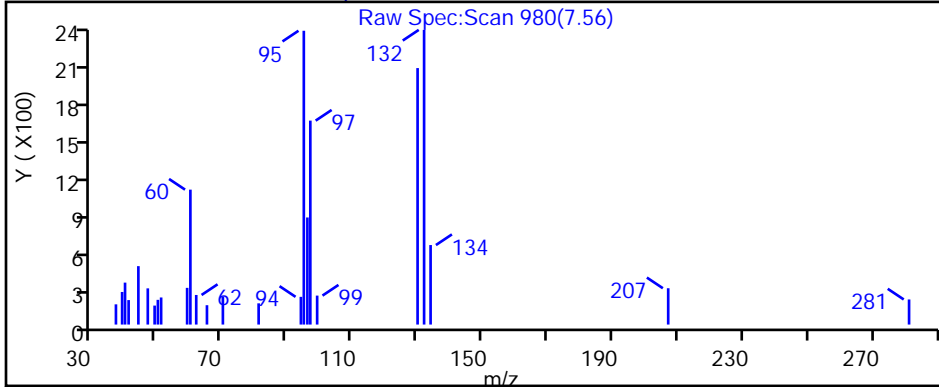
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

68 Trichloroethene, CAS: 79-01-6



Eurofins Lancaster Laboratories Environment Testing, LLC

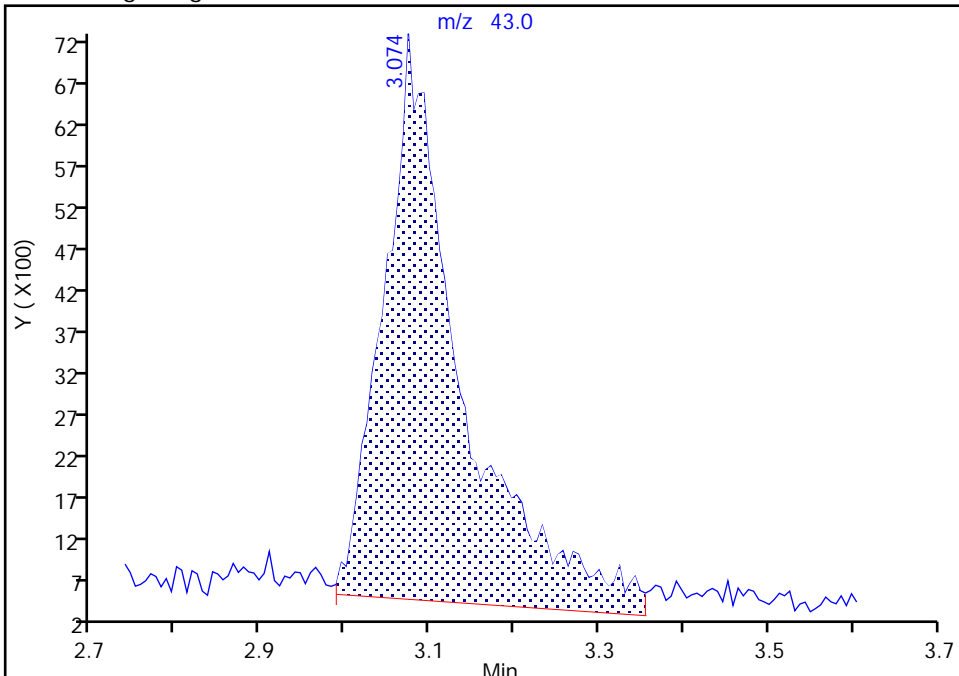
Data File:	\\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X14.D		
Injection Date:	04-May-2023 01:39:30	Instrument ID:	10193
Lims ID:	410-124489-A-2	Lab Sample ID:	410-124489-2
Client ID:	HD-COD-SW-7-0/1-0		
Operator ID:	gaw91131	ALS Bottle#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D
Column:	Rxi-624Sil MS Capillary Column (0.25mm ID)	Detector:	MS Quad
		Worklist Smp#:	16

20 Acetone, CAS: 67-64-1

Signal: 1

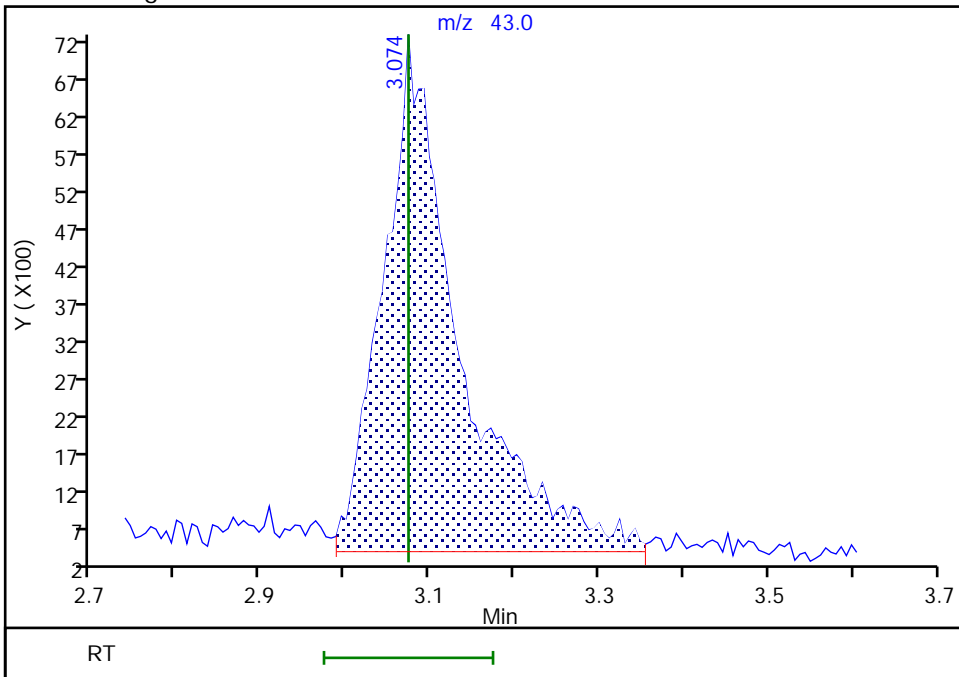
RT: 3.07
 Area: 43490
 Amount: 5.771560
 Amount Units: ug/l

Processing Integration Results



RT: 3.07
 Area: 42419
 Amount: 5.629428
 Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-May-2023 15:27:54 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

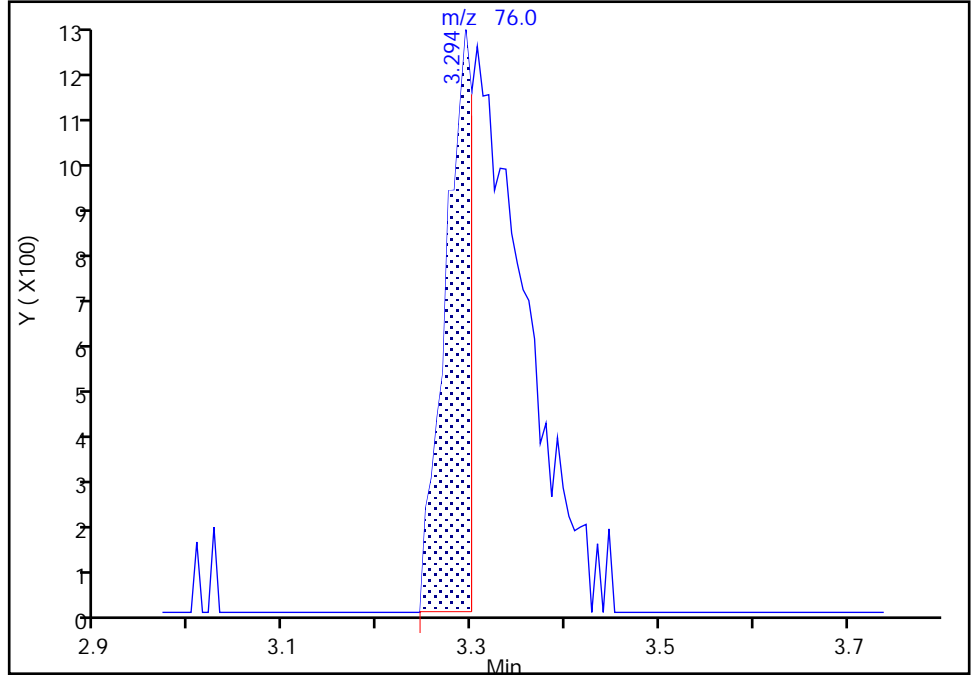
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Injection Date: 04-May-2023 01:39:30 Instrument ID: 10193
Lims ID: 410-124489-A-2 Lab Sample ID: 410-124489-2
Client ID: HD-COD-SW-7-0/1-0
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

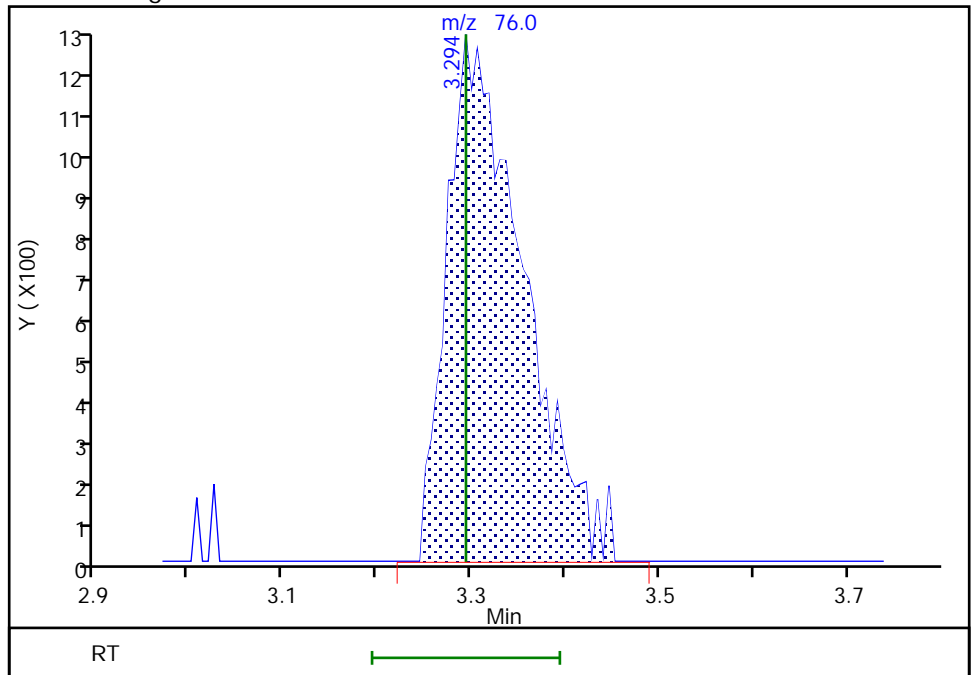
RT: 3.29
Area: 2533
Amount: 0.014324
Amount Units: ug/l

Processing Integration Results



RT: 3.29
Area: 7251
Amount: 0.041004
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-May-2023 15:28:18 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

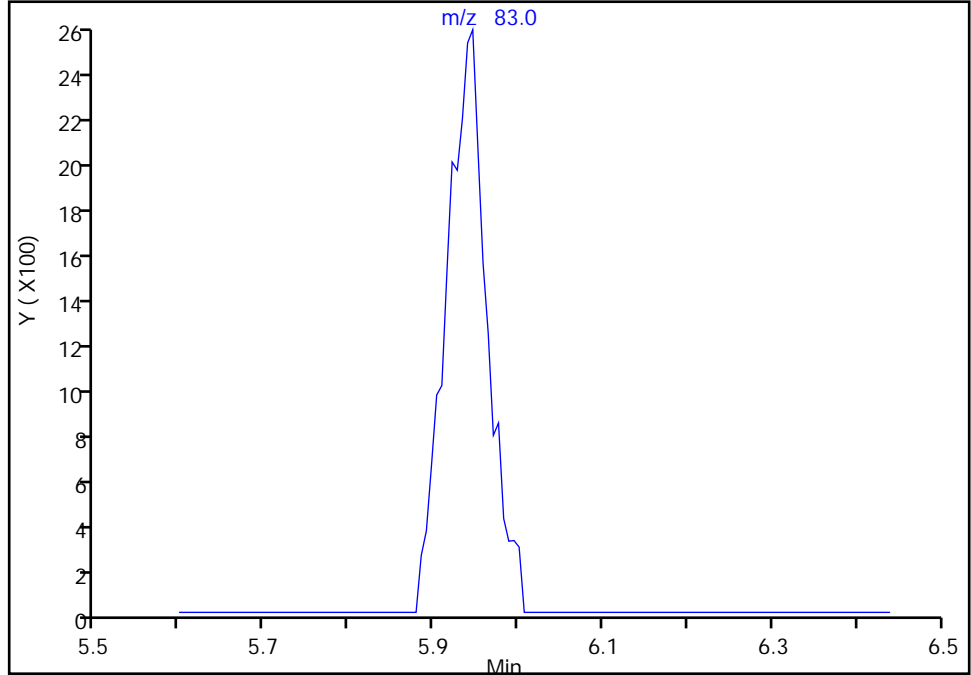
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Injection Date: 04-May-2023 01:39:30 Instrument ID: 10193
Lims ID: 410-124489-A-2 Lab Sample ID: 410-124489-2
Client ID: HD-COD-SW-7-0/1-0
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

50 Chloroform, CAS: 67-66-3

Signal: 1

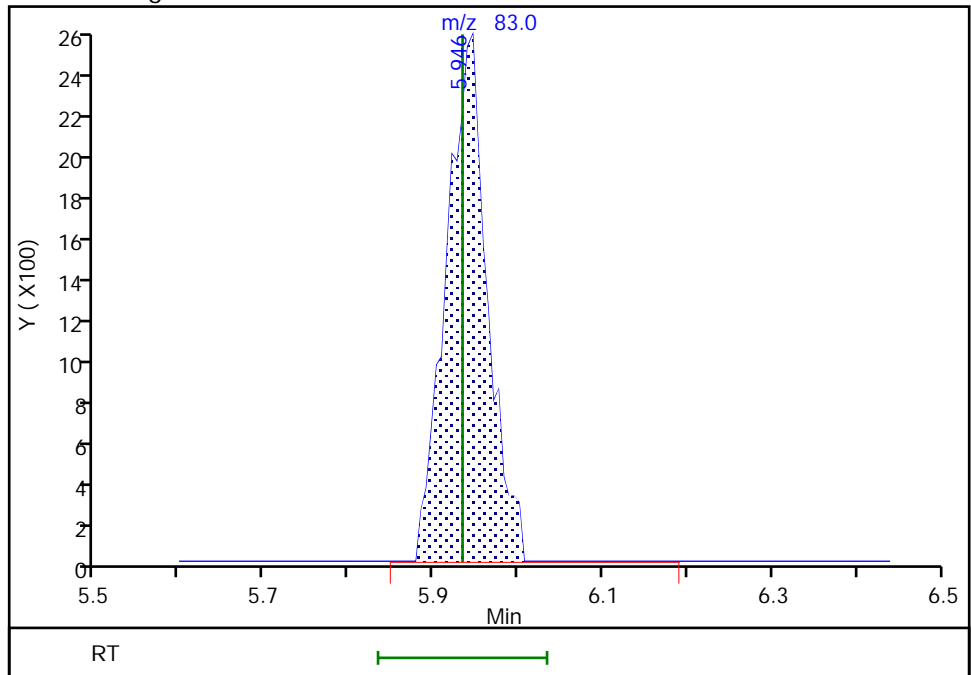
Not Detected
Expected RT: 5.93

Processing Integration Results



Manual Integration Results

RT: 5.95
Area: 8644
Amount: 0.076792
Amount Units: ug/l



Reviewer: DVW2, 04-May-2023 15:28:32 -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.: 410-124489-1

SDG No.:

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

Lab Sample ID: 410-124489-3

Matrix: Water

Lab File ID: CY03X15.D

Analysis Method: 8260D

Date Collected: 04/27/2023 10:10

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 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.: 371870

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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	4.9	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	^c cn	0.50	0.10
75-15-0	Carbon disulfide	ND	^c cn	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	^c cn	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	0.089	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	0.10
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.32	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.: 410-124489-1

SDG No.:

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

Lab Sample ID: 410-124489-3

Matrix: Water

Lab File ID: CY03X15.D

Analysis Method: 8260D

Date Collected: 04/27/2023 10:10

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 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.: 371870

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	94		80-120
2037-26-5	Toluene-d8 (Surr)	108		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X15.D
 Lims ID: 410-124489-A-3
 Client ID: HD-COD-SW-8-0/1-0
 Sample Type: Client
 Inject. Date: 04-May-2023 02:01:30 ALS Bottle#: 15 Worklist Smp#: 17
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-017
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-May-2023 09:18:33 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1661

First Level Reviewer: kaewrungrueangp

Date:

05-May-2023 09:18:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.904	1.892	0.012	98	7750	0.0884	
6 Vinyl chloride	62		1.983				ND	7
9 Bromomethane	94		2.270				ND	7
10 Chloroethane	64		2.331				ND	
18 1,1-Dichloroethene	96		3.038				ND	7
20 Acetone	43	3.093	3.074	0.019	98	38850	4.89	
25 Carbon disulfide	76		3.294				ND	MU
30 Methylene Chloride	84		3.593				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.641	3.629	0.012	97	166807	50.0	
34 Methyl tert-butyl ether	73		3.940				ND	7
35 trans-1,2-Dichloroethene	96		3.946				ND	
37 1,1-Dichloroethane	63		4.574				ND	7
42 2-Butanone (MEK)	43		5.409				ND	
43 cis-1,2-Dichloroethene	96	5.464	5.434	0.030	78	5981	0.0887	
48 Chlorobromomethane	128		5.769				ND	
50 Chloroform	83	5.952	5.934	0.018	89	6562	0.0587	
53 1,1,1-Trichloroethane	97		6.153				ND	7
\$ 54 Dibromofluoromethane (Surr)	113	6.165	6.153	0.012	94	486756	9.37	
56 Carbon tetrachloride	117		6.366				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.622	6.610	0.012	98	97630	9.54	
60 Benzene	78		6.641				ND	7
61 1,2-Dichloroethane	62		6.720				ND	
* 65 Fluorobenzene (IS)	96	7.067	7.061	0.006	99	1994653	10.0	
68 Trichloroethene	95	7.567	7.555	0.012	92	5378	0.0796	a
70 1,2-Dichloropropane	63		7.891				ND	
76 Dichlorobromomethane	83		8.250				ND	7
80 cis-1,3-Dichloropropene	75		8.829				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.037				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	93	2065543	10.8	
84 Toluene	92	9.244	9.250	-0.006	98	8875	0.0602	
85 trans-1,3-Dichloropropene	75		9.555				ND	
87 1,1,2-Trichloroethane	97		9.768				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166	9.853	9.854	-0.001	96	22504	0.3233	
106 2-Hexanone	43		10.018				ND	7
108 Chlorodibromomethane	129		10.171				ND	
110 Ethylene Dibromide	107		10.280				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.744	0.000	85	1600848	10.0	
113 Chlorobenzene	112		10.768				ND	
114 1,1,1,2-Tetrachloroethane	131		10.860				ND	
115 Ethylbenzene	91		10.866				ND	7
116 m-Xylene & p-Xylene	106		10.988				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.329				ND	7
119 Styrene	104		11.347				ND	7
120 Bromoform	173		11.506				ND	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	94	763565	9.34	
126 1,1,2,2-Tetrachloroethane	83		11.908				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.700	12.695	0.005	94	936158	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00069

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X15.D

Injection Date: 04-May-2023 02:01:30

Instrument ID: 10193

Operator ID: gaw91131

Lims ID: 410-124489-A-3

Lab Sample ID: 410-124489-3

Worklist Smp#: 17

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

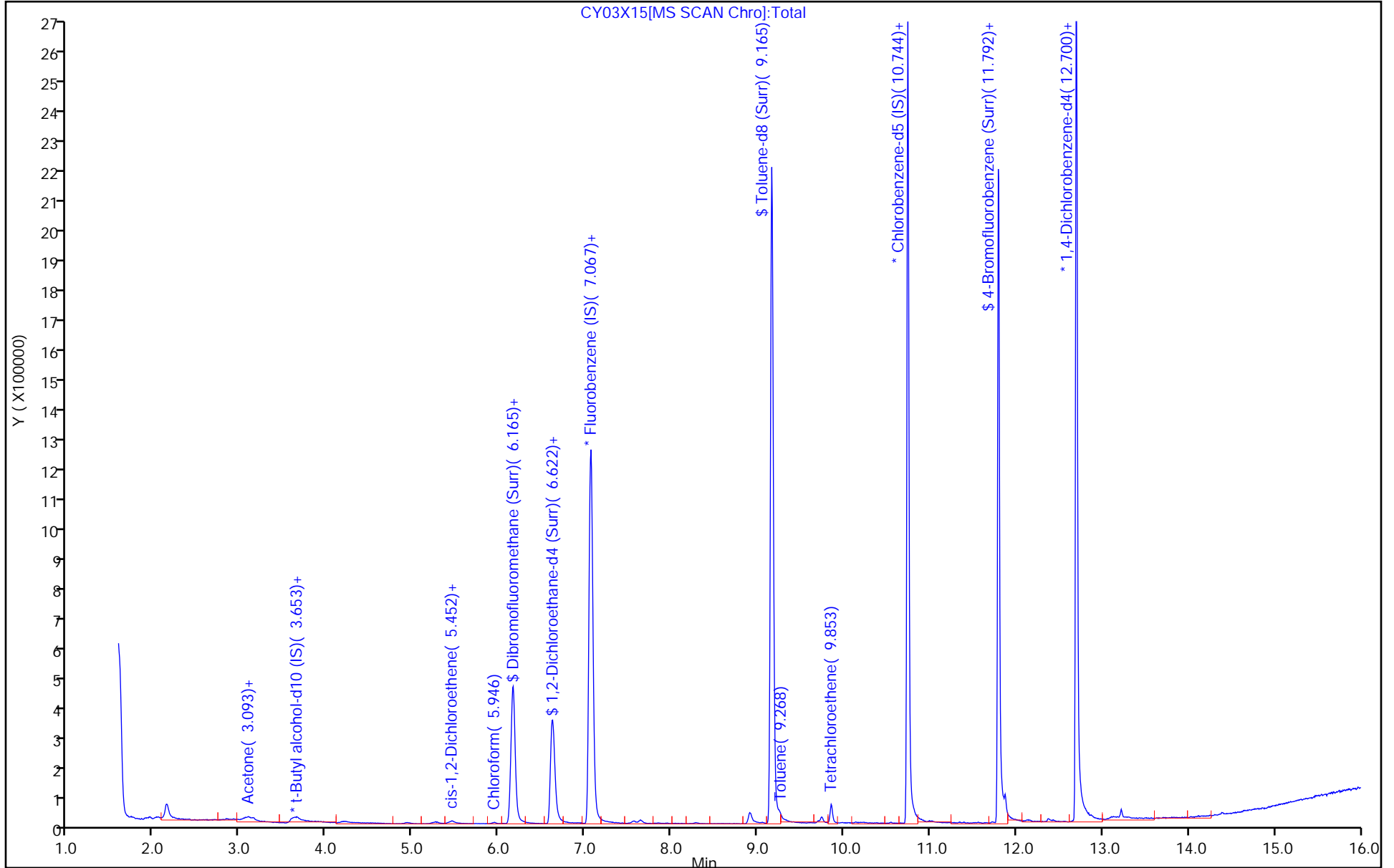
ALS Bottle#: 15

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\20230503-83144.b\CY03X15.D
 Lims ID: 410-124489-A-3
 Client ID: HD-COD-SW-8-0/1-0
 Sample Type: Client
 Inject. Date: 04-May-2023 02:01:30 ALS Bottle#: 15 Worklist Smp#: 17
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-017
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-May-2023 09:18:33 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1661

First Level Reviewer: kaewrungrueangp

Date: 05-May-2023 09:18:32

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	9.37	93.70
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.54	95.36
\$ 83 Toluene-d8 (Surr)	10.0	10.8	108.03
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.34	93.44

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X15.D

Injection Date: 04-May-2023 02:01:30

Instrument ID: 10193

Lims ID: 410-124489-A-3

Lab Sample ID: 410-124489-3

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

Operator ID: gaw91131

ALS Bottle#: 15

Worklist Smp#: 17

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

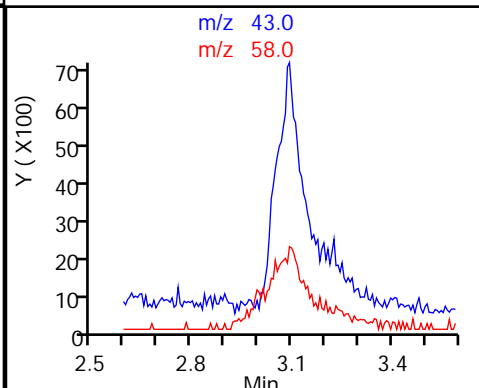
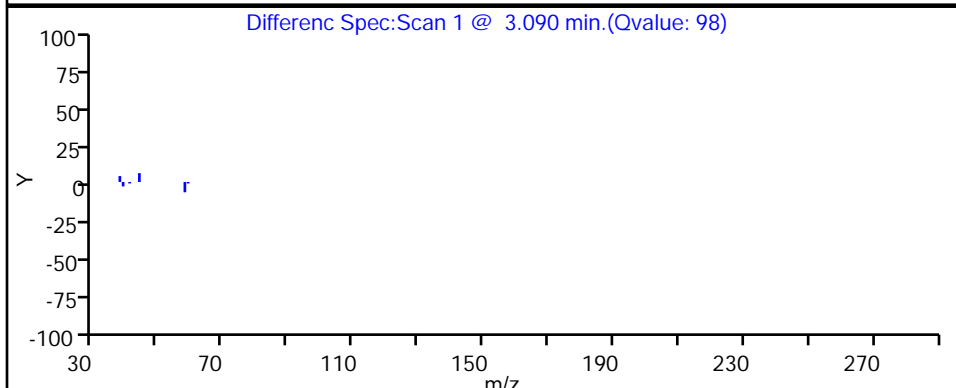
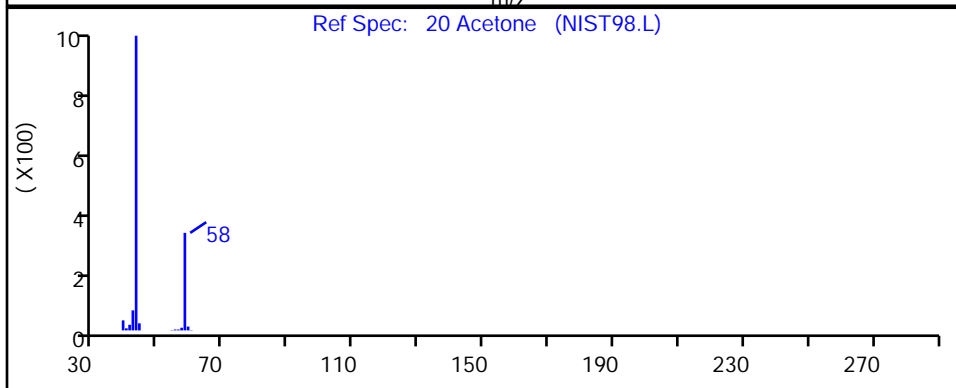
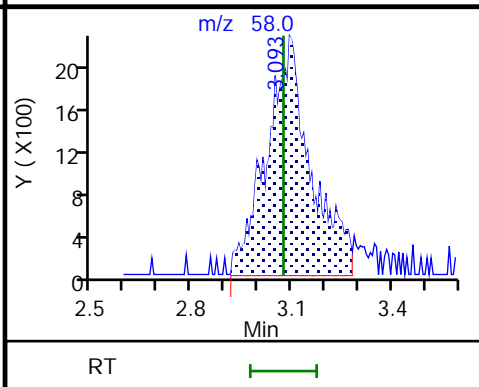
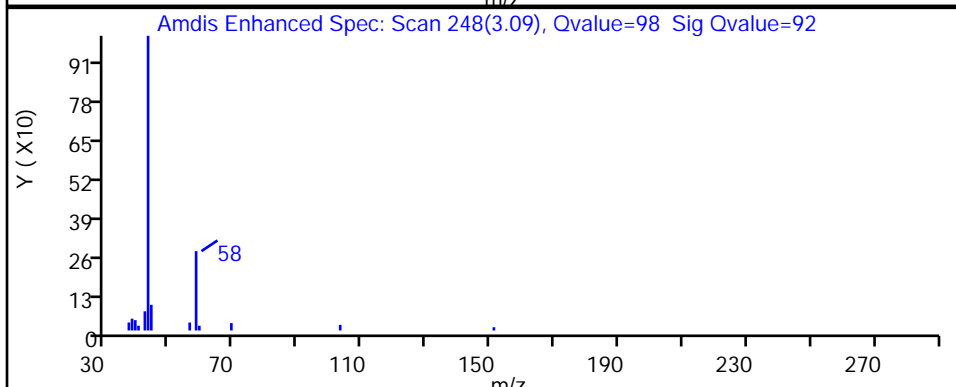
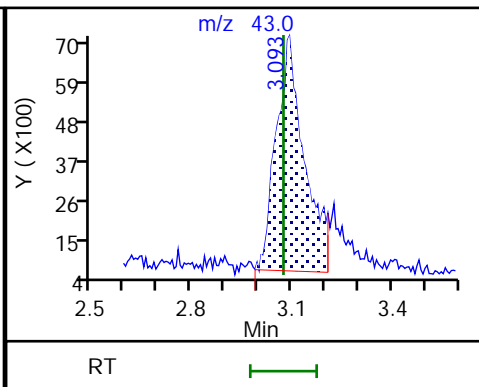
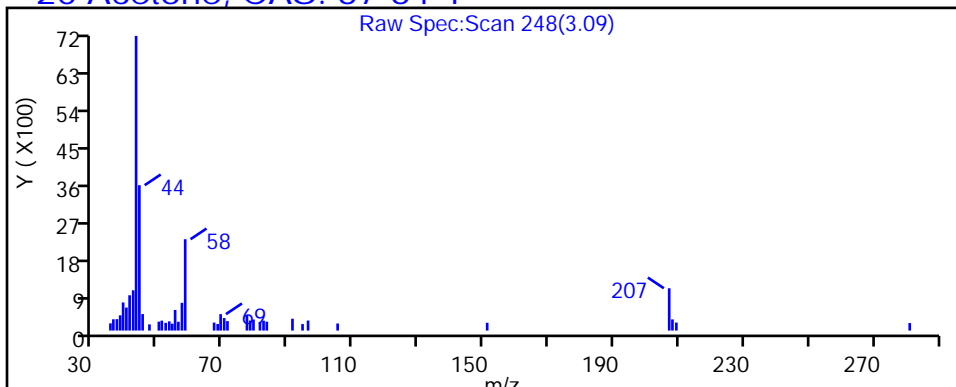
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

20 Acetone, CAS: 67-64-1



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X15.D

Injection Date: 04-May-2023 02:01:30

Instrument ID: 10193

Lims ID: 410-124489-A-3

Lab Sample ID: 410-124489-3

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

Operator ID: gaw91131

ALS Bottle#: 15

Worklist Smp#: 17

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

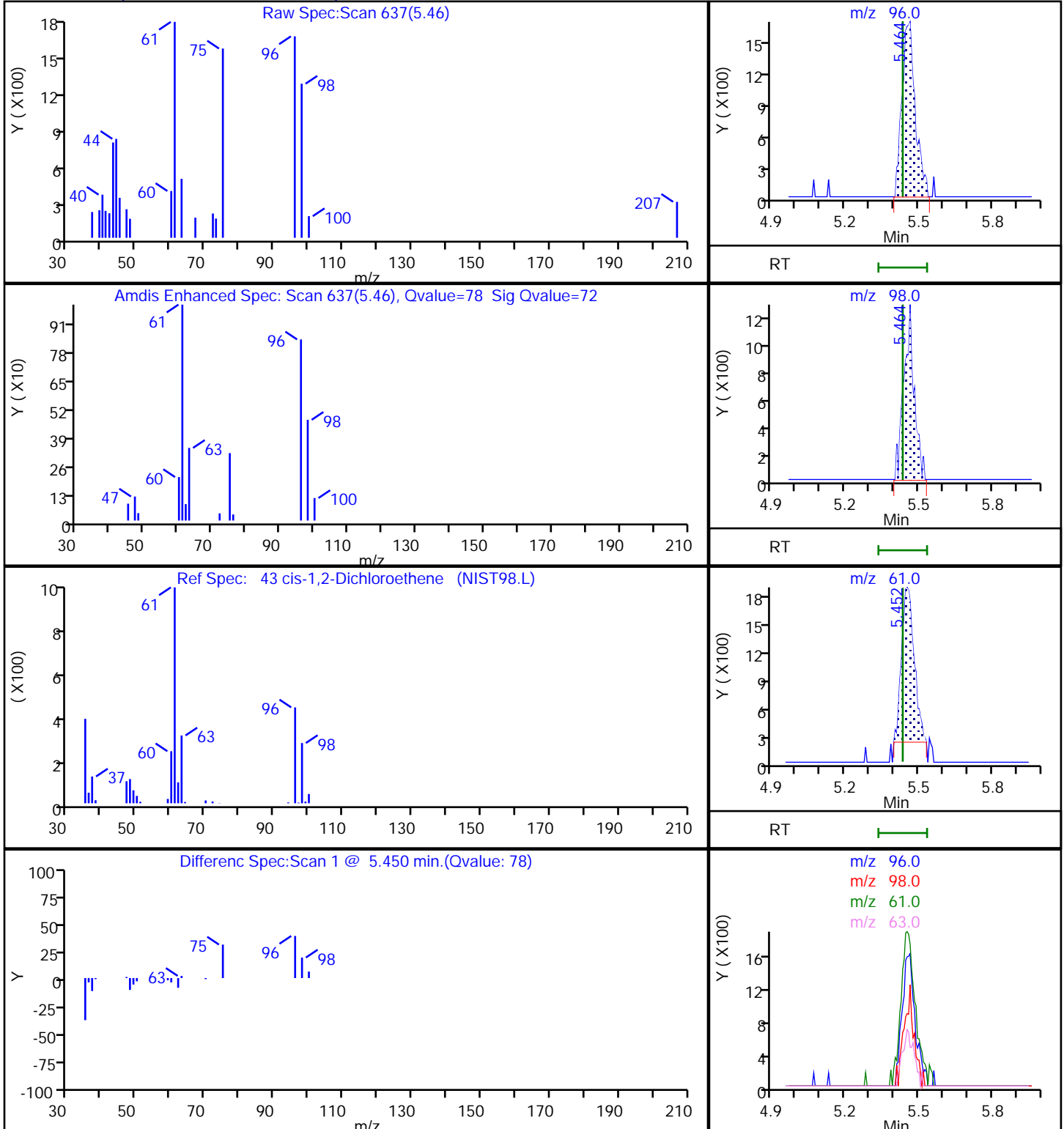
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X15.D

Injection Date: 04-May-2023 02:01:30

Instrument ID: 10193

Lims ID: 410-124489-A-3

Lab Sample ID: 410-124489-3

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

Operator ID: gaw91131

ALS Bottle#: 15

Worklist Smp#: 17

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

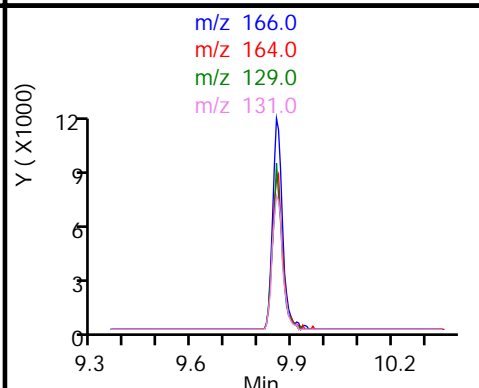
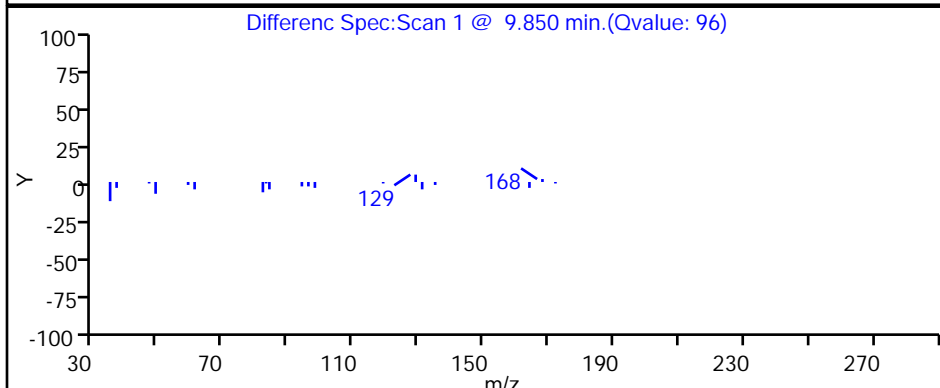
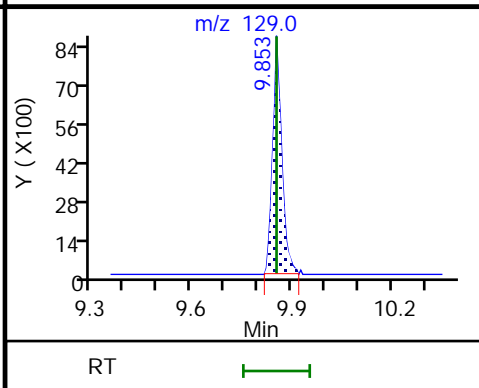
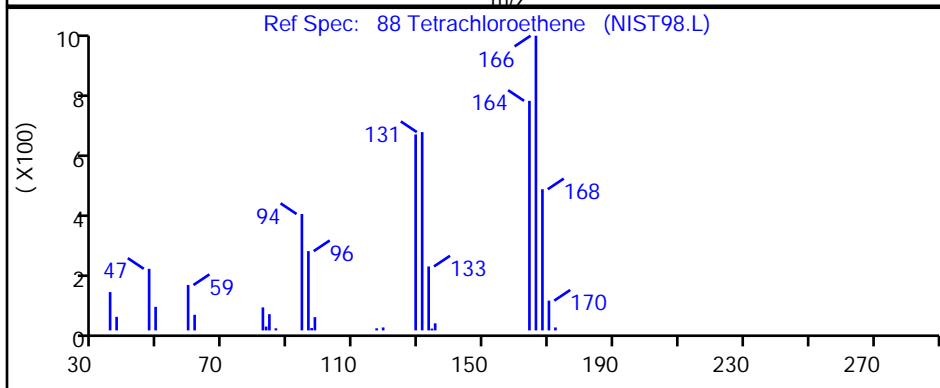
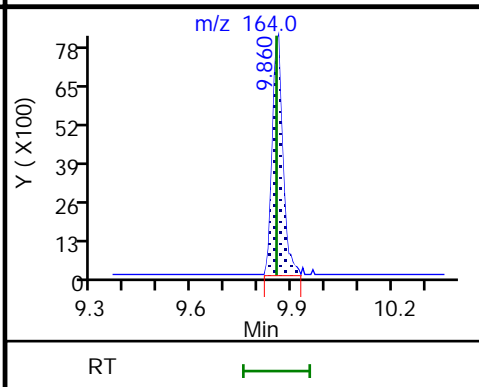
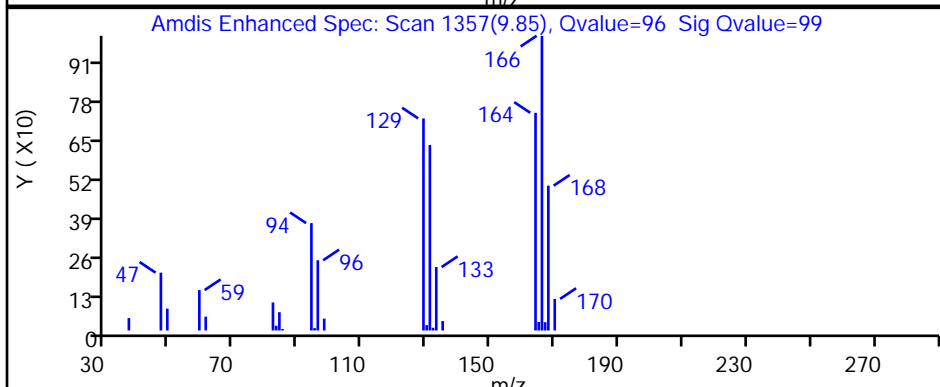
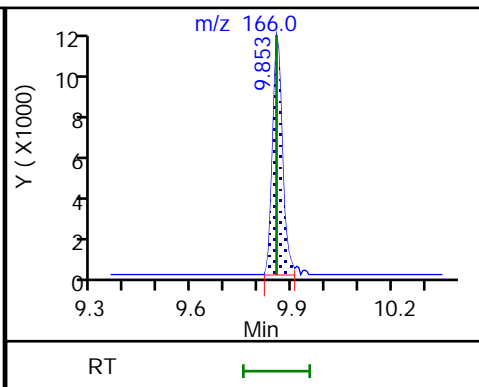
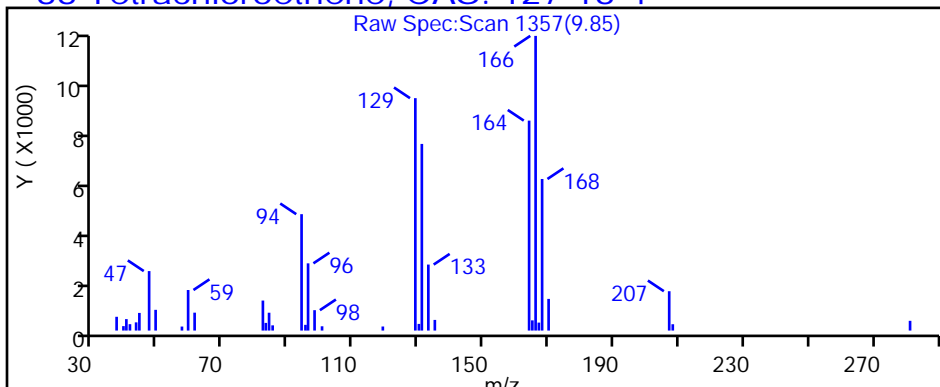
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

88 Tetrachloroethene, CAS: 127-18-4



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X15.D

Injection Date: 04-May-2023 02:01:30

Instrument ID: 10193

Lims ID: 410-124489-A-3

Lab Sample ID: 410-124489-3

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

Operator ID: gaw91131

ALS Bottle#: 15

Worklist Smp#: 17

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

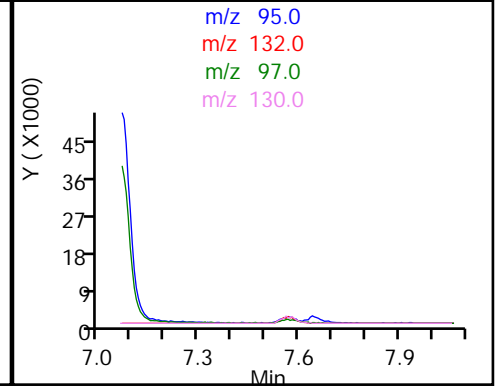
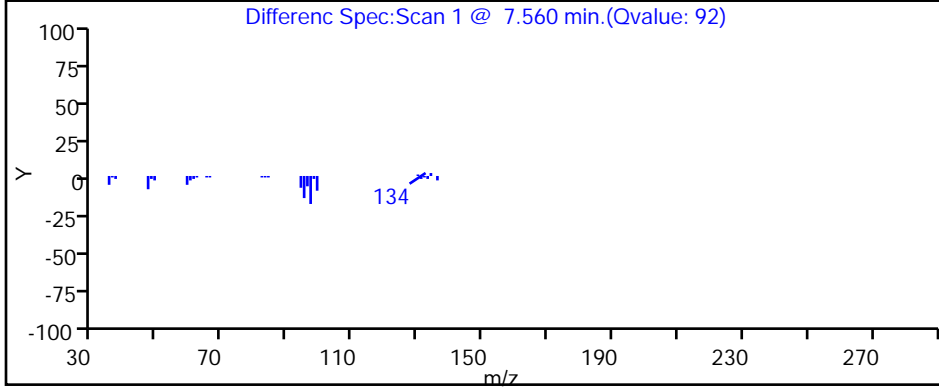
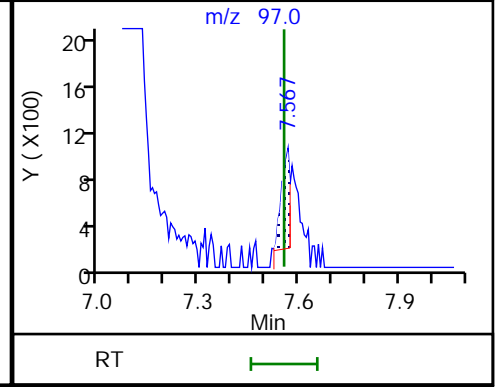
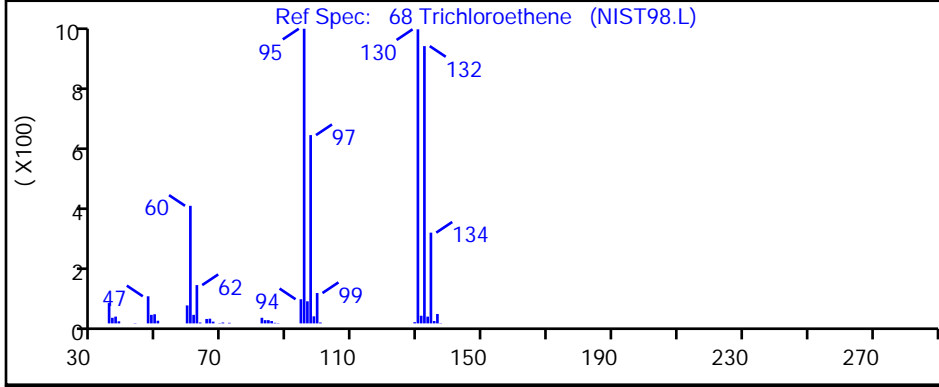
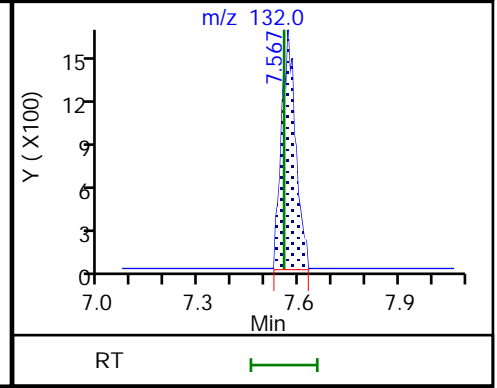
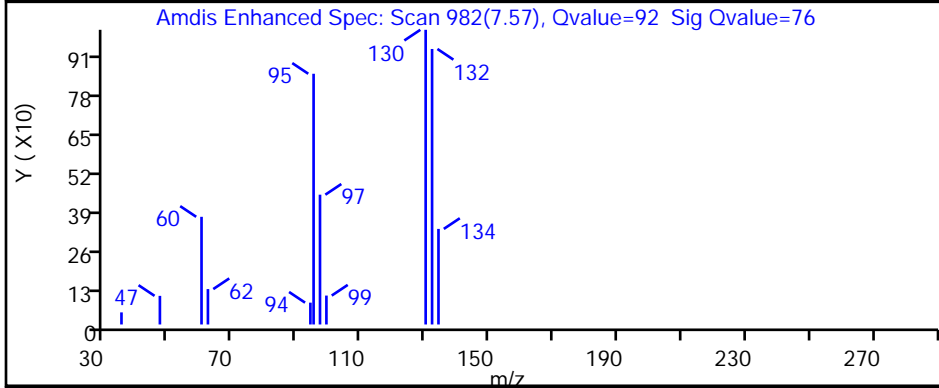
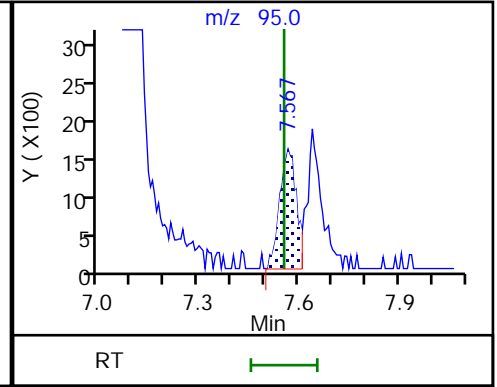
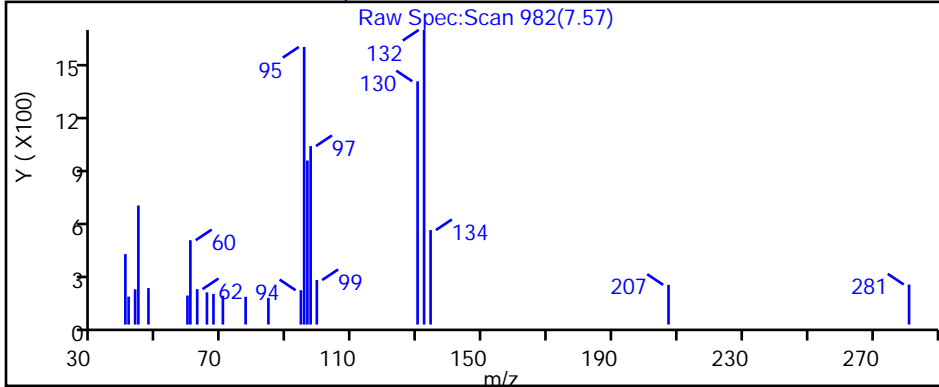
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

68 Trichloroethene, CAS: 79-01-6

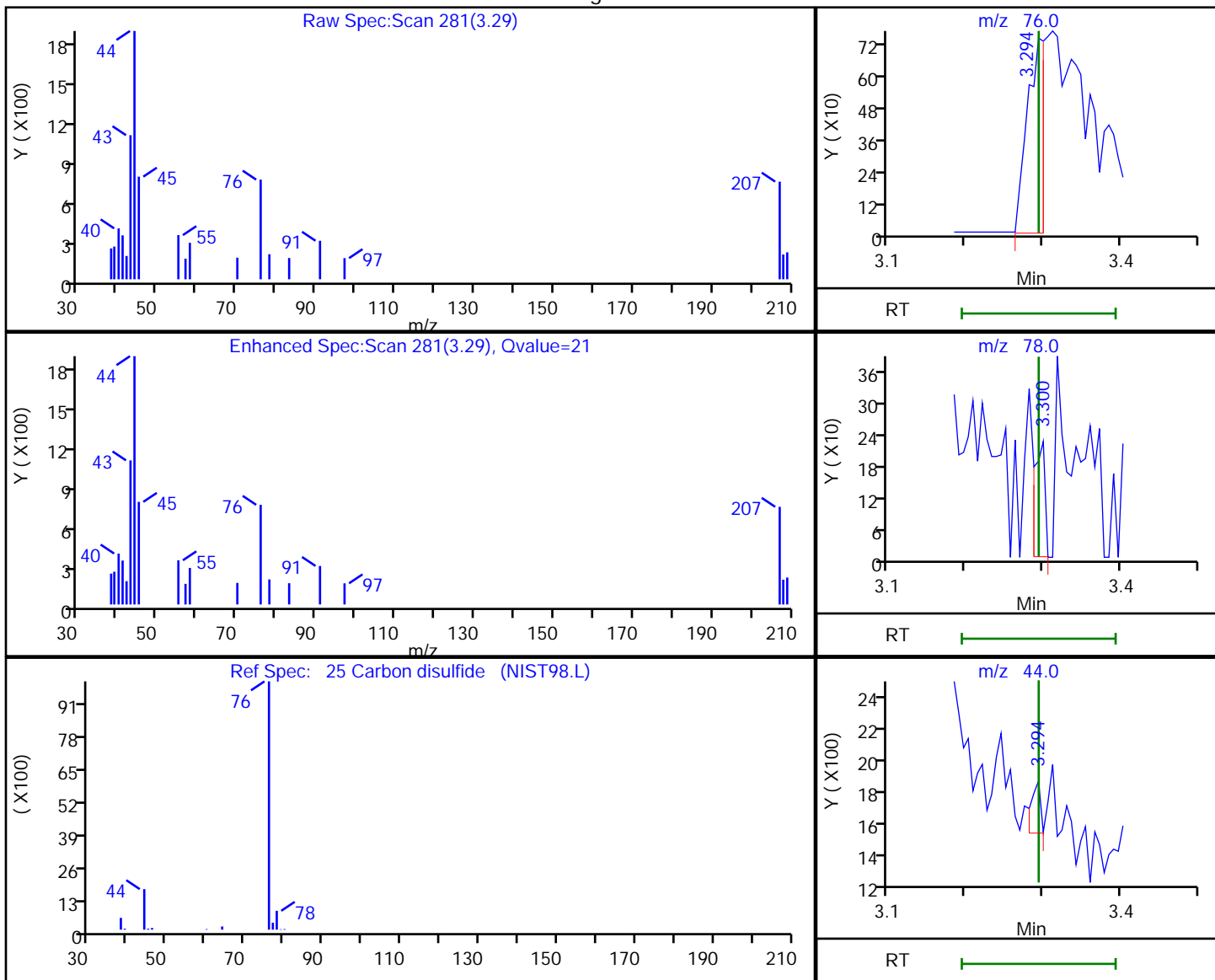


Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfms\Lancaster\ChromData\10193\20230503-83144.b\CY03X15.D
 Injection Date: 04-May-2023 02:01:30 Instrument ID: 10193
 Lims ID: 410-124489-A-3 Lab Sample ID: 410-124489-3
 Client ID: HD-COD-SW-8-0/1-0
 Operator ID: gaw91131 ALS Bottle#: 15 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 ID) Detector: MS Quad

25 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
3.29	76.00	1142	0.006507
3.30	78.00	214	
3.29	44.00	245	

Reviewer: DVW2, 04-May-2023 15:29:04 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

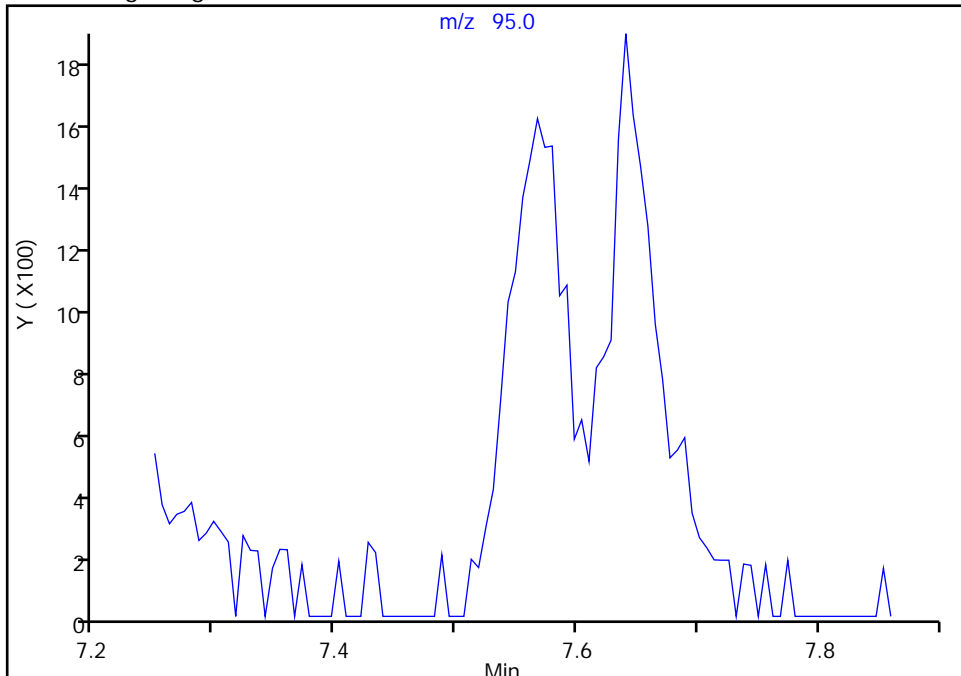
Data File:	\\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X15.D		
Injection Date:	04-May-2023 02:01:30	Instrument ID:	10193
Lims ID:	410-124489-A-3	Lab Sample ID:	410-124489-3
Client ID:	HD-COD-SW-8-0/1-0		
Operator ID:	gaw91131	ALS Bottle#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D
Column:	Rxi-624Sil MS Capillary Column (0.25mm ID)	Detector:	MS Quad
		Worklist Smp#:	17

68 Trichloroethene, CAS: 79-01-6

Signal: 1

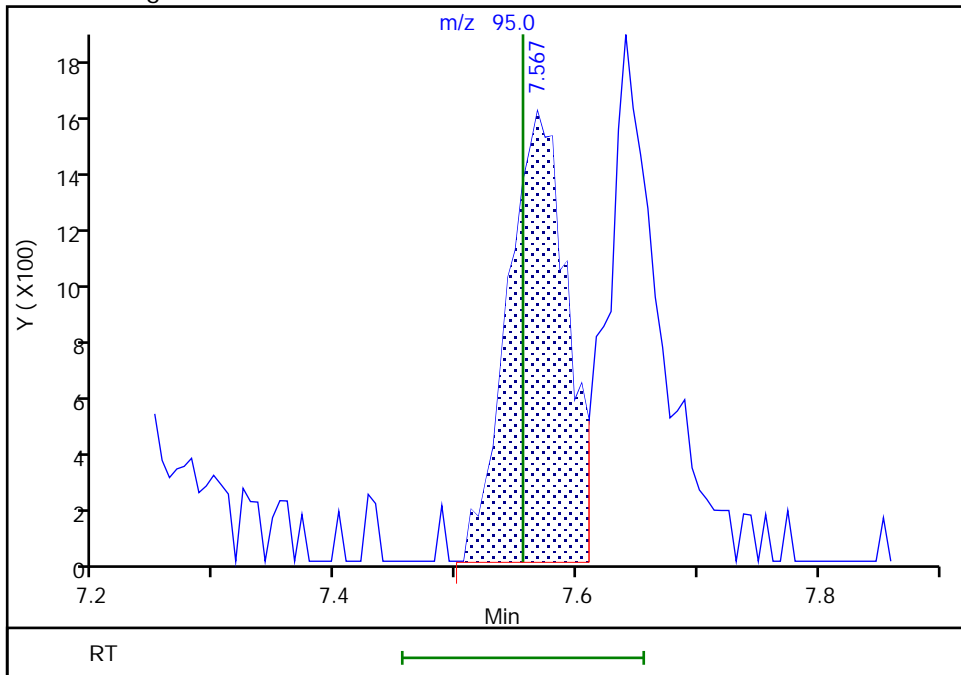
Not Detected
Expected RT: 7.56

Processing Integration Results



Manual Integration Results

RT: 7.57
 Area: 5378
 Amount: 0.079559
 Amount Units: ug/l



Reviewer: kaewrungrueangp, 05-May-2023 09:18:22 07:00:00 (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.: 410-124489-1

SDG No.:

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

Lab Sample ID: 410-124489-4

Matrix: Water

Lab File ID: CY03X16.D

Analysis Method: 8260D

Date Collected: 04/27/2023 13:48

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 02:24

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.: 371870

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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	5.0		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	^c cn	0.50	0.10
75-15-0	Carbon disulfide	ND	^c cn	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	^c cn	0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	0.14	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.11	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	0.10
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.20	J	0.50	0.20
108-88-3	Toluene	0.11	J	0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

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

Lab Sample ID: 410-124489-4

Matrix: Water

Lab File ID: CY03X16.D

Analysis Method: 8260D

Date Collected: 04/27/2023 13:48

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 02:24

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.: 371870

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)	96		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	94		80-120
2037-26-5	Toluene-d8 (Surr)	108		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X16.D
 Lims ID: 410-124489-A-4
 Client ID: HD-COD-SW-9-0/1-0
 Sample Type: Client
 Inject. Date: 04-May-2023 02:24:30 ALS Bottle#: 16 Worklist Smp#: 18
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-018
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:42:54 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: DVW2

Date: 04-May-2023 15:30:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.886	1.892	-0.006	98	12240	0.1393	
6 Vinyl chloride	62		1.983				ND	
9 Bromomethane	94		2.270				ND	7
10 Chloroethane	64		2.331				ND	
18 1,1-Dichloroethene	96		3.038				ND	7
20 Acetone	43	3.080	3.074	0.006	98	34311	5.04	
25 Carbon disulfide	76	3.312	3.294	0.018	94	7827	0.0445	M
30 Methylene Chloride	84		3.593				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.641	3.629	0.012	96	142799	50.0	
34 Methyl tert-butyl ether	73		3.940				ND	7
35 trans-1,2-Dichloroethene	96		3.946				ND	
37 1,1-Dichloroethane	63		4.574				ND	7
42 2-Butanone (MEK)	43	5.476	5.409	0.067	49	4183	0.3101	
43 cis-1,2-Dichloroethene	96	5.446	5.434	0.012	78	7120	0.1053	
48 Chlorobromomethane	128		5.769				ND	
50 Chloroform	83	5.934	5.934	0.000	93	9436	0.0843	
53 1,1,1-Trichloroethane	97		6.153				ND	7
\$ 54 Dibromofluoromethane (Surr)	113	6.153	6.153	0.000	94	487002	9.35	
56 Carbon tetrachloride	117		6.366				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.616	6.610	0.006	99	98194	9.57	
60 Benzene	78		6.641				ND	7
61 1,2-Dichloroethane	62		6.720				ND	
* 65 Fluorobenzene (IS)	96	7.061	7.061	0.000	99	1999589	10.0	
68 Trichloroethene	95	7.555	7.555	0.000	97	7017	0.1035	
70 1,2-Dichloropropane	63		7.891				ND	
76 Dichlorobromomethane	83		8.250				ND	7
80 cis-1,3-Dichloropropene	75		8.829				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.037				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	93	2060805	10.8	
84 Toluene	92	9.244	9.250	-0.006	97	15467	0.1053	
85 trans-1,3-Dichloropropene	75		9.555				ND	
87 1,1,2-Trichloroethane	97		9.768				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166	9.854	9.854	0.000	98	13821	0.1994	
106 2-Hexanone	43		10.018				ND	7
108 Chlorodibromomethane	129		10.171				ND	
110 Ethylene Dibromide	107		10.280				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.744	0.000	85	1594298	10.0	
113 Chlorobenzene	112		10.768				ND	
114 1,1,1,2-Tetrachloroethane	131		10.860				ND	
115 Ethylbenzene	91		10.866				ND	7
116 m-Xylene & p-Xylene	106		10.988				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.329				ND	7
119 Styrene	104		11.347				ND	7
120 Bromoform	173		11.506				ND	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	93	770789	9.47	
126 1,1,2,2-Tetrachloroethane	83		11.908				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.701	12.695	0.006	94	921064	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_HP25_ISSS_00069

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X16.D

Injection Date: 04-May-2023 02:24:30

Instrument ID: 10193

Operator ID: gaw91131

Lims ID: 410-124489-A-4

Lab Sample ID: 410-124489-4

Worklist Smp#: 18

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

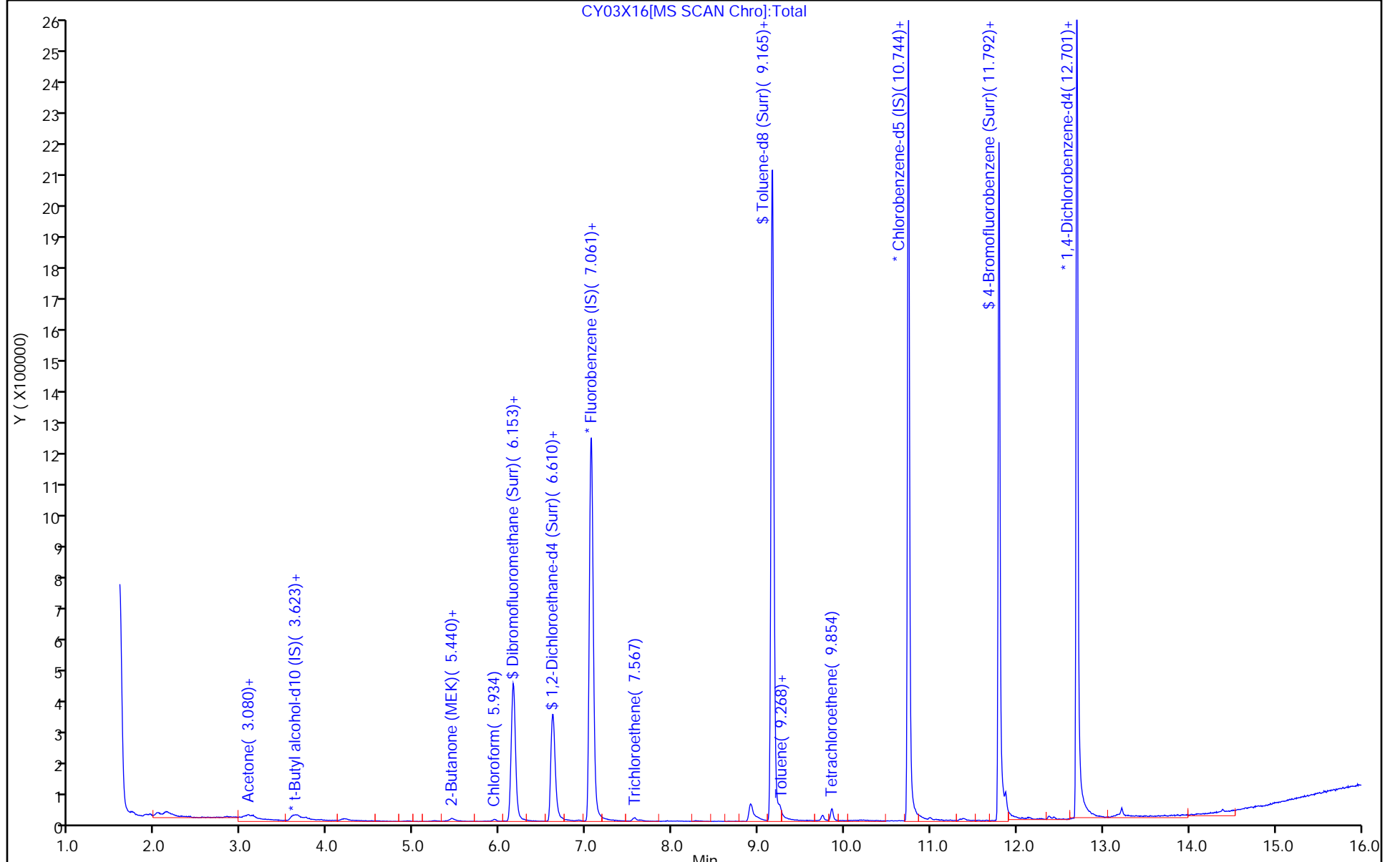
ALS Bottle#: 16

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\20230503-83144.b\CY03X16.D
 Lims ID: 410-124489-A-4
 Client ID: HD-COD-SW-9-0/1-0
 Sample Type: Client
 Inject. Date: 04-May-2023 02:24:30 ALS Bottle#: 16 Worklist Smp#: 18
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-018
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:42:54 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: DVW2

Date: 04-May-2023 15:30:00

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	9.35	93.52
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.57	95.67
\$ 83 Toluene-d8 (Surr)	10.0	10.8	108.22
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.47	94.71

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X16.D

Injection Date: 04-May-2023 02:24:30

Instrument ID: 10193

Lims ID: 410-124489-A-4

Lab Sample ID: 410-124489-4

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

Operator ID: gaw91131

ALS Bottle#: 16

Worklist Smp#: 18

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

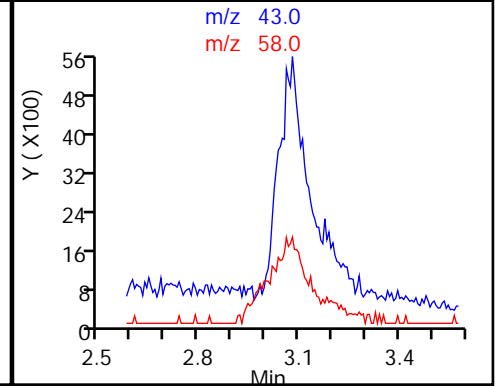
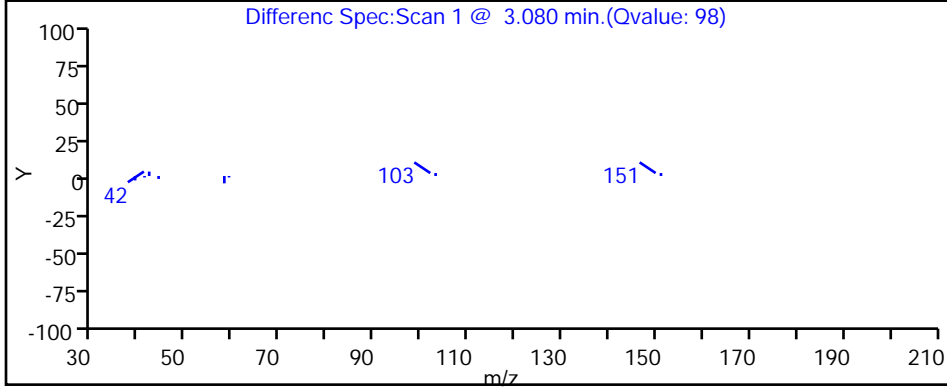
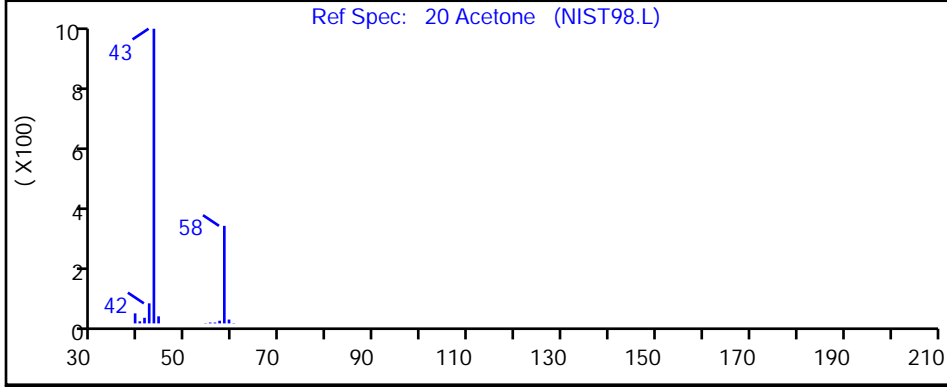
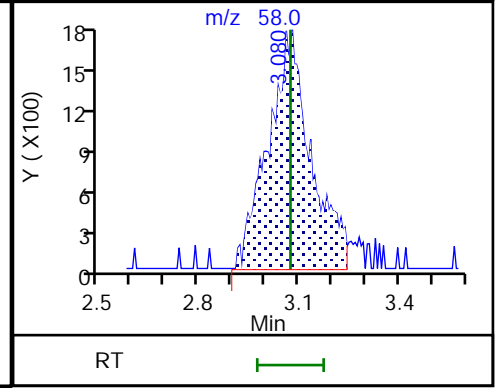
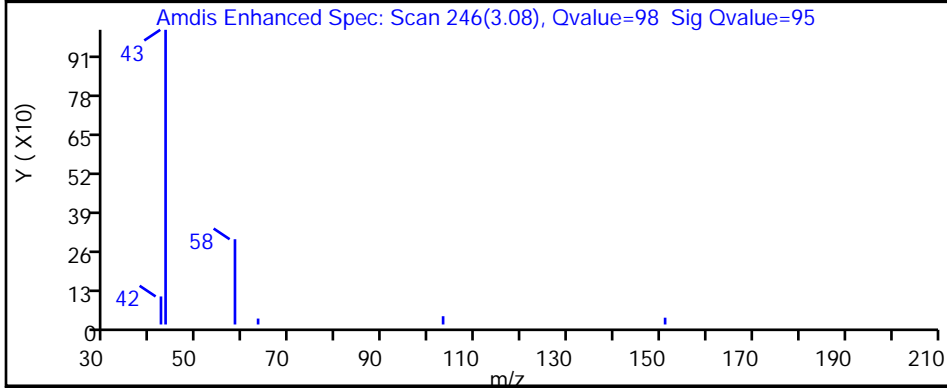
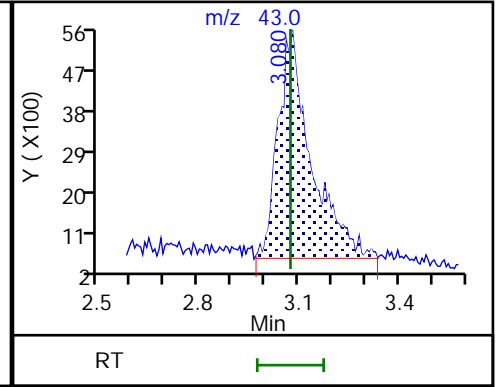
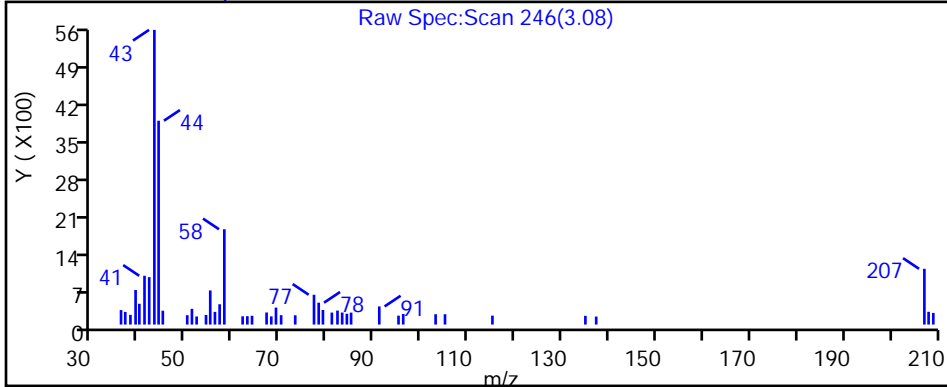
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

20 Acetone, CAS: 67-64-1



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X16.D

Injection Date: 04-May-2023 02:24:30

Instrument ID: 10193

Lims ID: 410-124489-A-4

Lab Sample ID: 410-124489-4

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

Operator ID: gaw91131

ALS Bottle#: 16

Worklist Smp#: 18

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

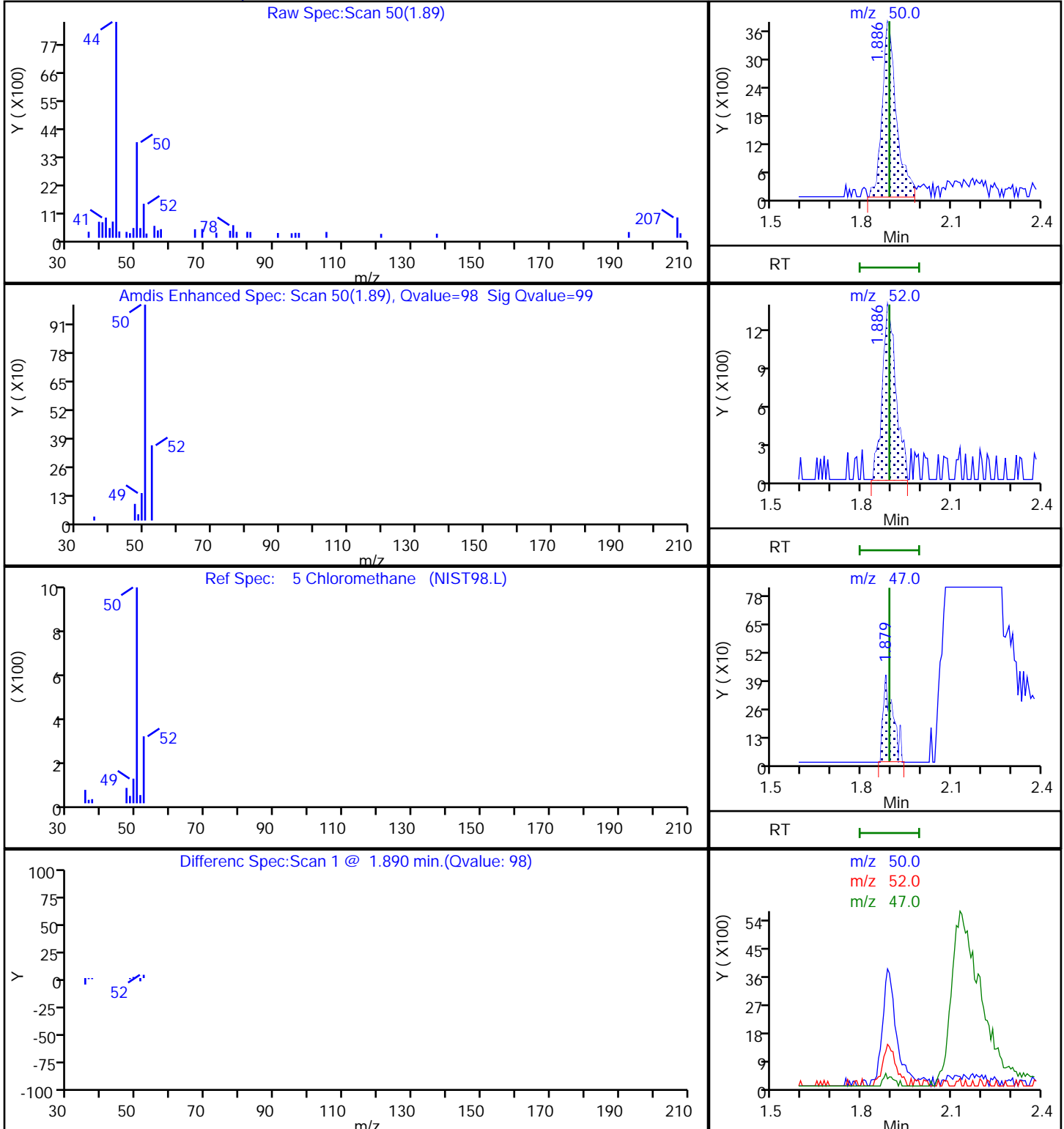
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

5 Chloromethane, CAS: 74-87-3



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X16.D

Injection Date: 04-May-2023 02:24:30

Instrument ID: 10193

Lims ID: 410-124489-A-4

Lab Sample ID: 410-124489-4

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

Operator ID: gaw91131

ALS Bottle#: 16

Worklist Smp#: 18

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

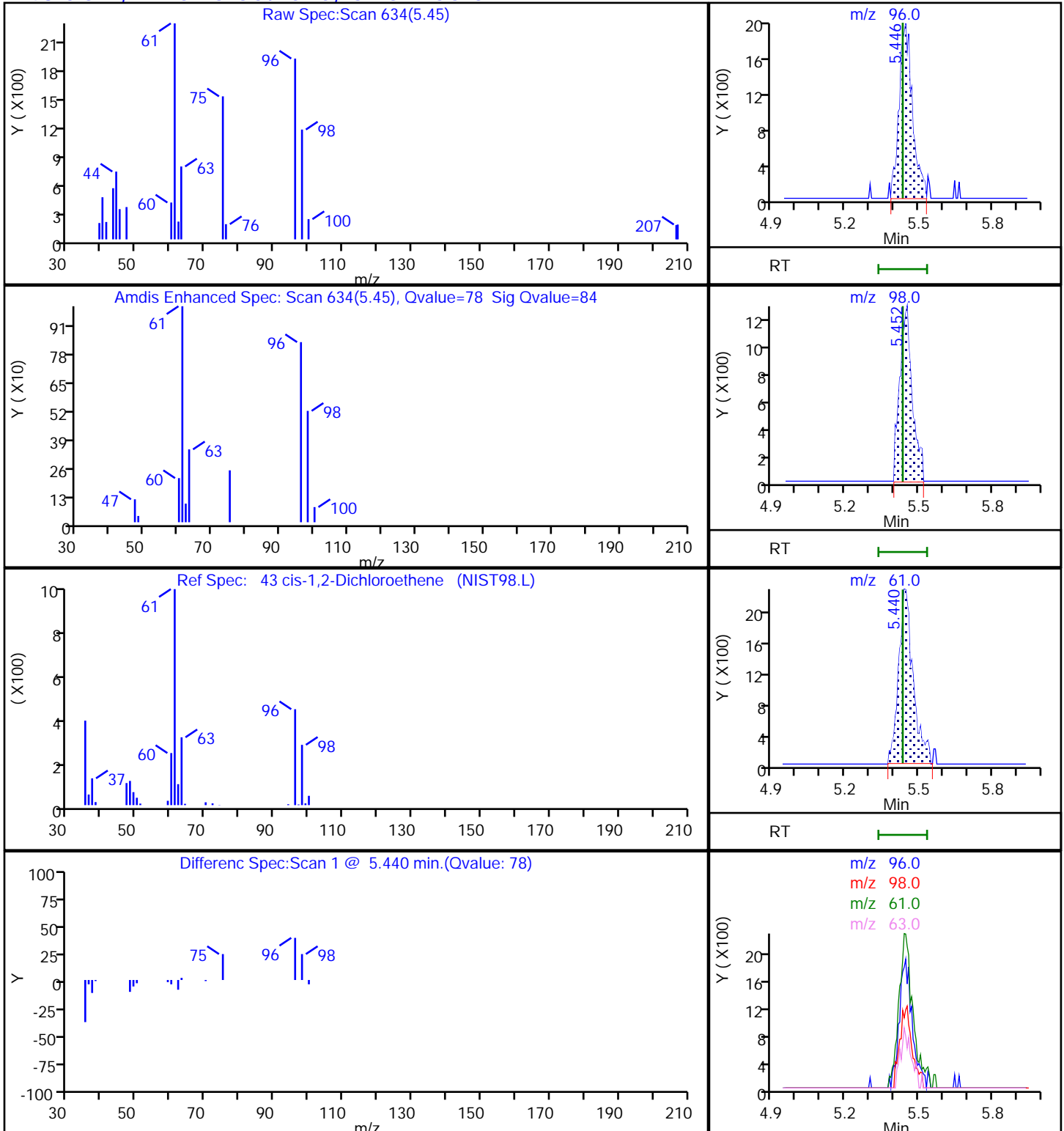
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X16.D

Injection Date: 04-May-2023 02:24:30

Instrument ID: 10193

Lims ID: 410-124489-A-4

Lab Sample ID: 410-124489-4

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

Operator ID: gaw91131

ALS Bottle#: 16

Worklist Smp#: 18

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

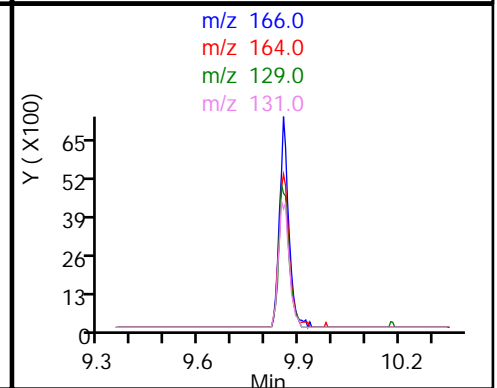
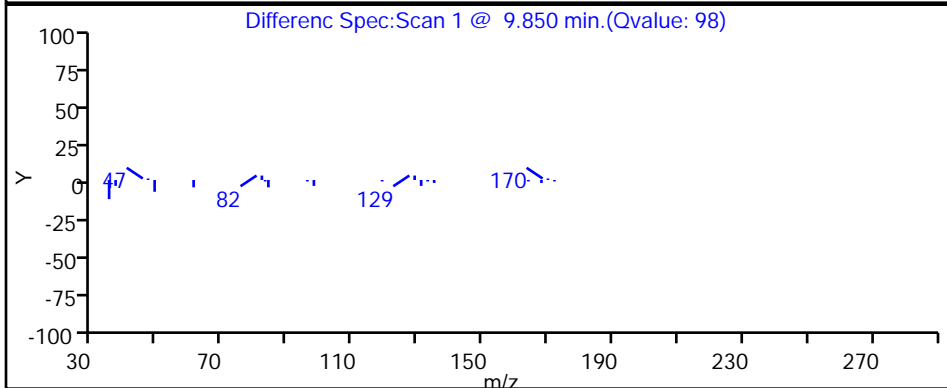
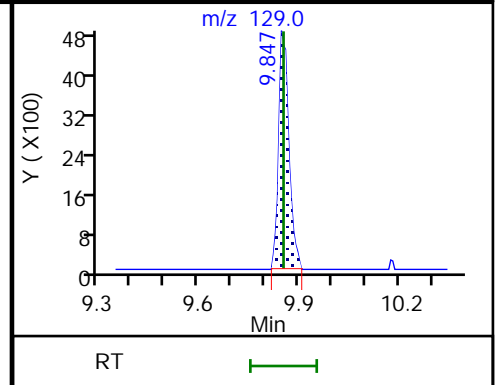
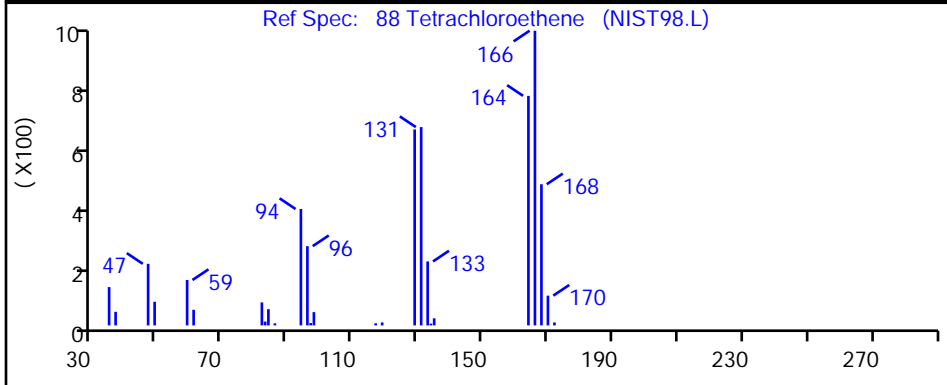
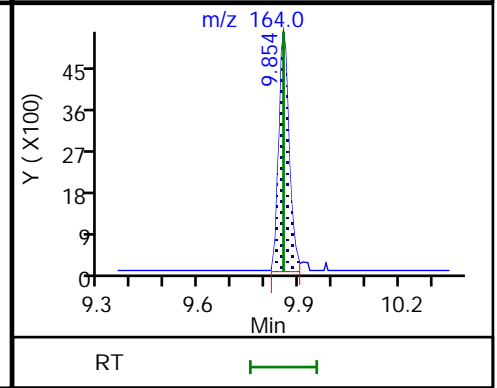
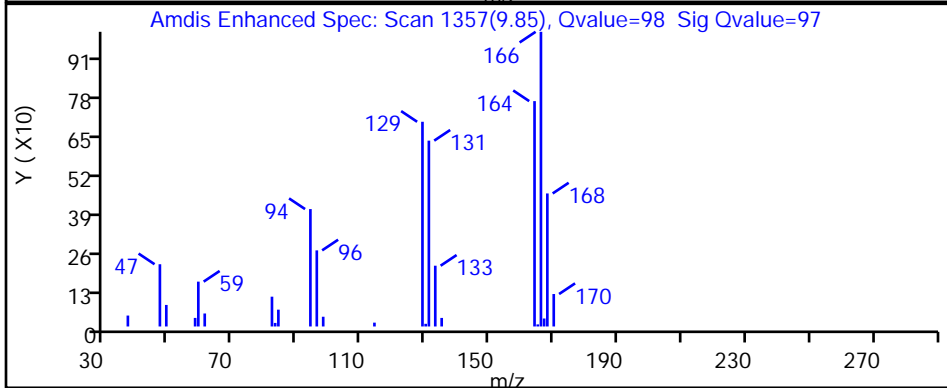
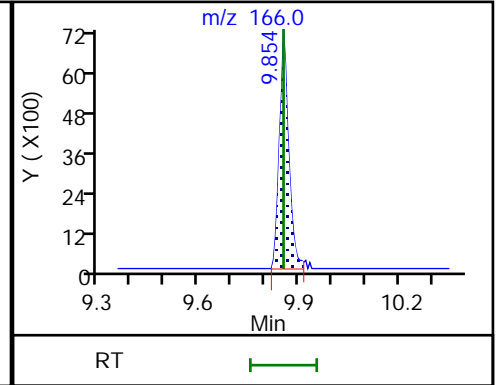
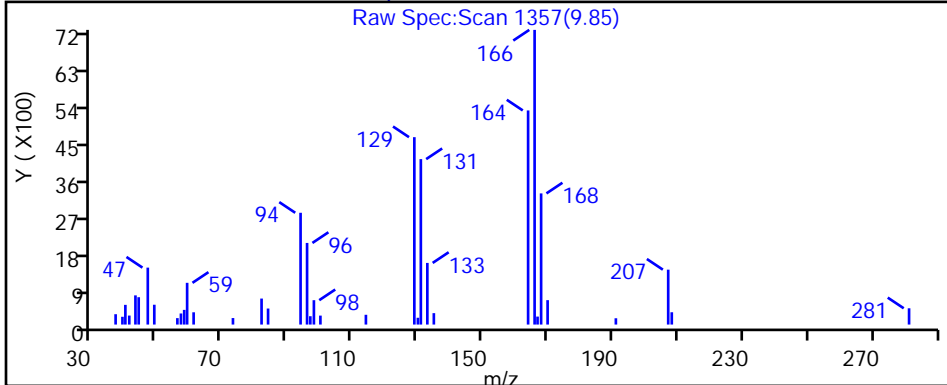
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

88 Tetrachloroethene, CAS: 127-18-4



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X16.D

Injection Date: 04-May-2023 02:24:30

Instrument ID: 10193

Lims ID: 410-124489-A-4

Lab Sample ID: 410-124489-4

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

Operator ID: gaw91131

ALS Bottle#: 16

Worklist Smp#: 18

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

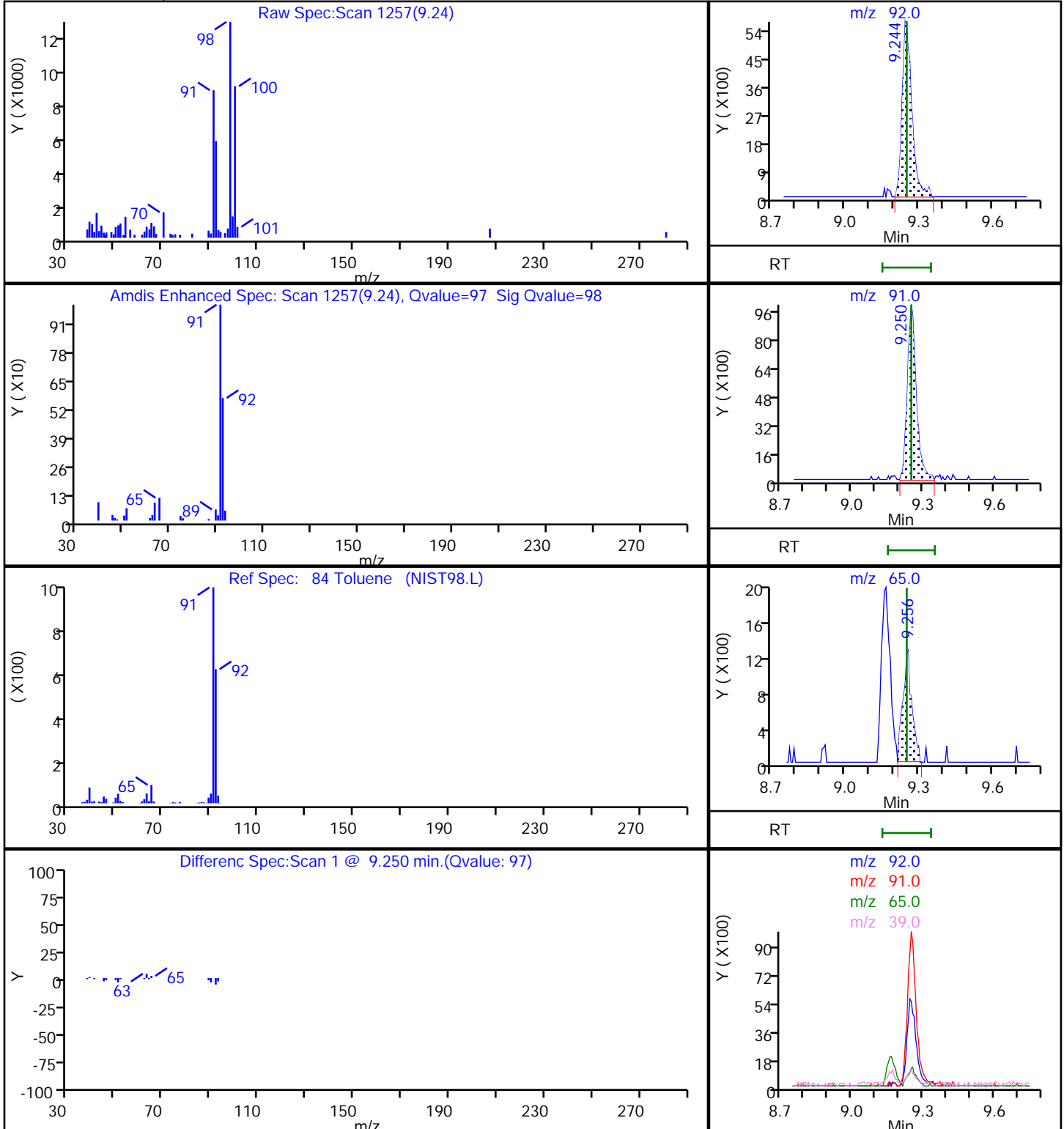
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

84 Toluene, CAS: 108-88-3



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X16.D

Injection Date: 04-May-2023 02:24:30

Instrument ID: 10193

Lims ID: 410-124489-A-4

Lab Sample ID: 410-124489-4

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

Operator ID: gaw91131

ALS Bottle#: 16

Worklist Smp#: 18

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

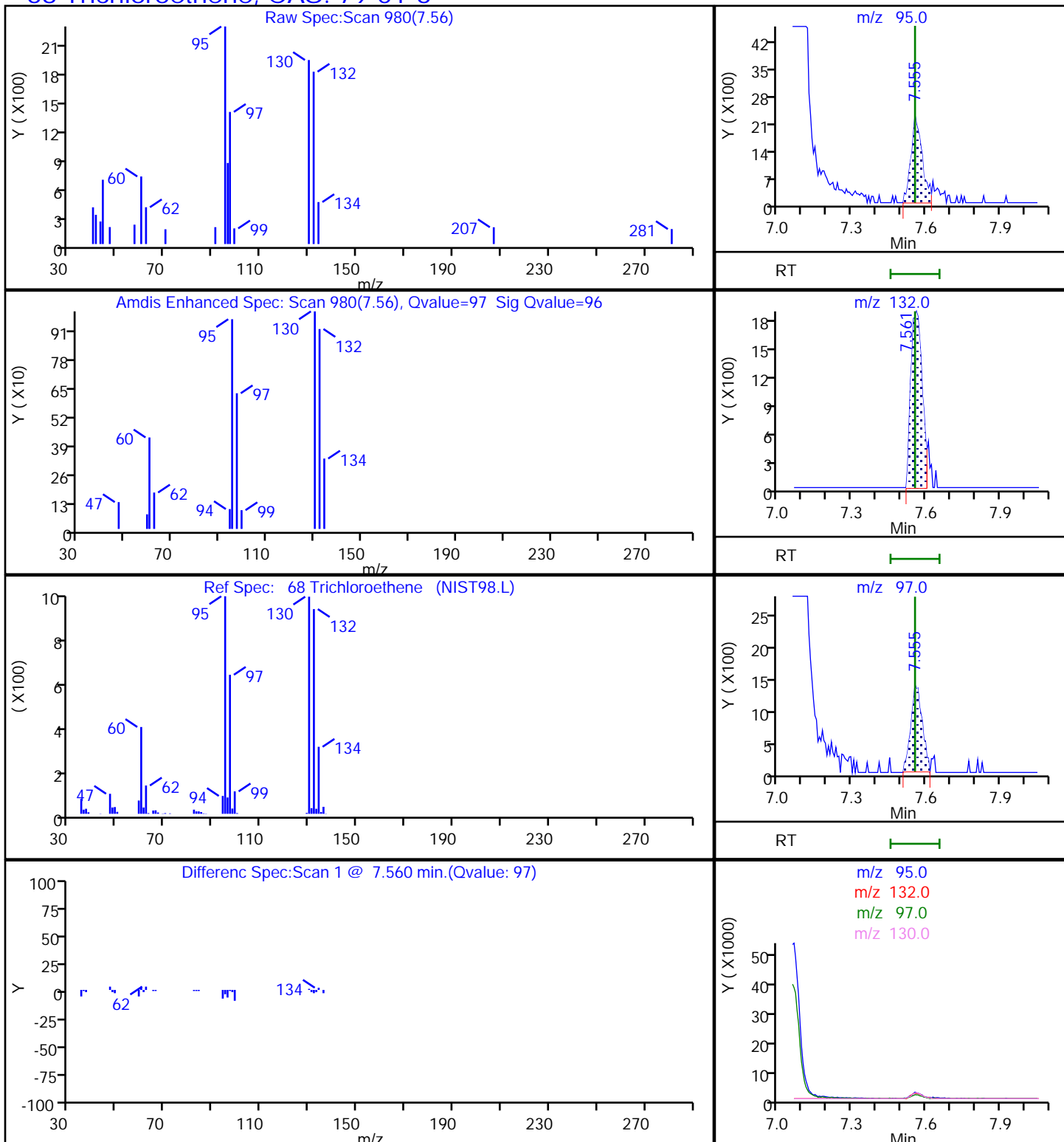
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

68 Trichloroethene, CAS: 79-01-6



Eurofins Lancaster Laboratories Environment Testing, LLC

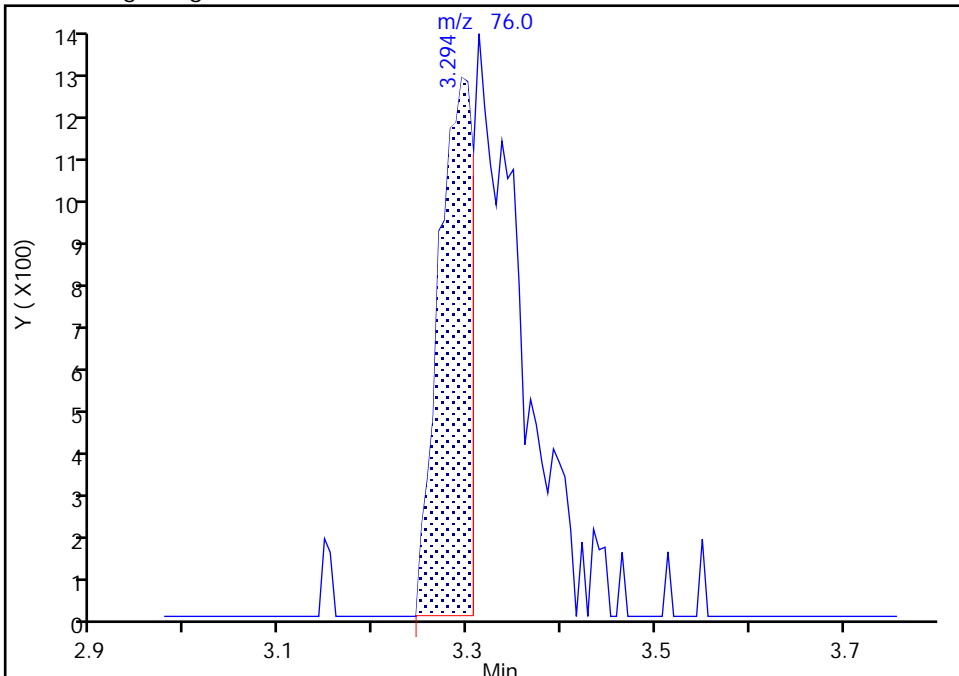
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Injection Date:	04-May-2023 02:24:30	Instrument ID:	10193
Lims ID:	410-124489-A-4	Lab Sample ID:	410-124489-4
Client ID:	HD-COD-SW-9-0/1-0		
Operator ID:	gaw91131	ALS Bottle#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D
Column:	Rxi-624Sil MS Capillary Column (0.25mm ID)	Detector:	MS Quad
		Worklist Smp#:	18

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

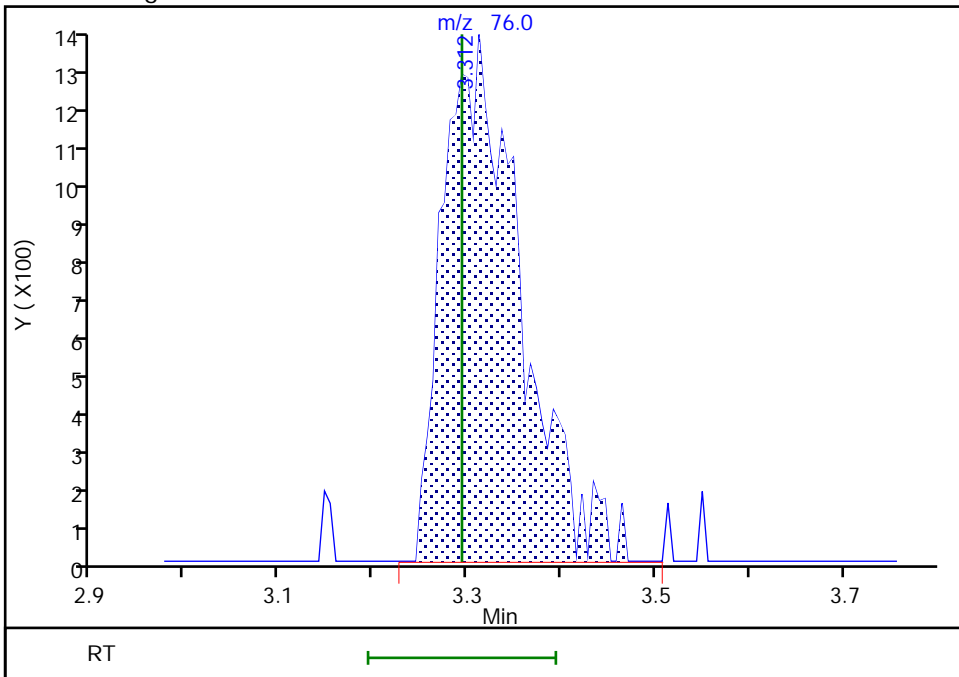
RT: 3.29
 Area: 3192
 Amount: 0.018144
 Amount Units: ug/l

Processing Integration Results



RT: 3.31
 Area: 7827
 Amount: 0.044489
 Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-May-2023 15:29:37 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

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

Lab Sample ID: 410-124489-5

Matrix: Water

Lab File ID: CY03X17.D

Analysis Method: 8260D

Date Collected: 04/27/2023 10:25

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 02:46

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.: 371870

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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	5.3		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	^c cn	0.50	0.10
75-15-0	Carbon disulfide	ND	^c cn	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	^c cn	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	0.10	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	0.10
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.68		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.: 410-124489-1

SDG No.:

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

Lab Sample ID: 410-124489-5

Matrix: Water

Lab File ID: CY03X17.D

Analysis Method: 8260D

Date Collected: 04/27/2023 10:25

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 02:46

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.: 371870

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)	95		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	94		80-120
2037-26-5	Toluene-d8 (Surr)	109		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X17.D
 Lims ID: 410-124489-A-5
 Client ID: HD-COD-SW-13-0/1-0
 Sample Type: Client
 Inject. Date: 04-May-2023 02:46:30 ALS Bottle#: 17 Worklist Smp#: 19
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-019
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:42:54 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: DVW2

Date: 04-May-2023 15:31:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.892	1.892	0.000	96	8718	0.1002	
6 Vinyl chloride	62		1.983				ND	7
9 Bromomethane	94		2.270				ND	7
10 Chloroethane	64		2.331				ND	
18 1,1-Dichloroethene	96		3.038				ND	7
20 Acetone	43	3.080	3.074	0.006	93	37515	5.27	
25 Carbon disulfide	76	3.288	3.294	-0.006	99	12626	0.0725	M
30 Methylene Chloride	84		3.593				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.635	3.629	0.006	97	149378	50.0	
34 Methyl tert-butyl ether	73		3.940				ND	7
35 trans-1,2-Dichloroethene	96		3.946				ND	
37 1,1-Dichloroethane	63		4.574				ND	7
42 2-Butanone (MEK)	43		5.409				ND	MU
43 cis-1,2-Dichloroethene	96	5.452	5.434	0.018	79	6831	0.1020	
48 Chlorobromomethane	128		5.769				ND	
50 Chloroform	83	5.934	5.934	0.000	94	6402	0.0577	
53 1,1,1-Trichloroethane	97	6.159	6.153	0.006	35	4429	0.0453	
\$ 54 Dibromofluoromethane (Surr)	113	6.153	6.153	0.000	94	483376	9.38	
56 Carbon tetrachloride	117		6.366				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.610	6.610	0.000	98	96522	9.50	
60 Benzene	78		6.641				ND	7
61 1,2-Dichloroethane	62		6.720				ND	
* 65 Fluorobenzene (IS)	96	7.061	7.061	0.000	99	1979696	10.0	
68 Trichloroethene	95	7.555	7.555	0.000	95	5032	0.0750	a
70 1,2-Dichloropropane	63		7.891				ND	
76 Dichlorobromomethane	83		8.250				ND	7
80 cis-1,3-Dichloropropene	75		8.829				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.037				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	93	2025234	10.9	
84 Toluene	92	9.250	9.250	0.000	98	9123	0.0635	
85 trans-1,3-Dichloropropene	75		9.555				ND	
87 1,1,2-Trichloroethane	97		9.768				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166	9.853	9.854	-0.001	97	46364	0.6830	
106 2-Hexanone	43		10.018				ND	7
108 Chlorodibromomethane	129		10.171				ND	
110 Ethylene Dibromide	107		10.280				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.744	0.000	85	1561126	10.0	
113 Chlorobenzene	112		10.768				ND	
114 1,1,1,2-Tetrachloroethane	131		10.860				ND	
115 Ethylbenzene	91		10.866				ND	7
116 m-Xylene & p-Xylene	106		10.988				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.329				ND	7
119 Styrene	104		11.347				ND	7
120 Bromoform	173		11.506				ND	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	93	748099	9.39	
126 1,1,2,2-Tetrachloroethane	83		11.908				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.700	12.695	0.005	94	919924	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00069

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X17.D

Injection Date: 04-May-2023 02:46:30

Instrument ID: 10193

Operator ID: gaw91131

Lims ID: 410-124489-A-5

Lab Sample ID: 410-124489-5

Worklist Smp#: 19

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

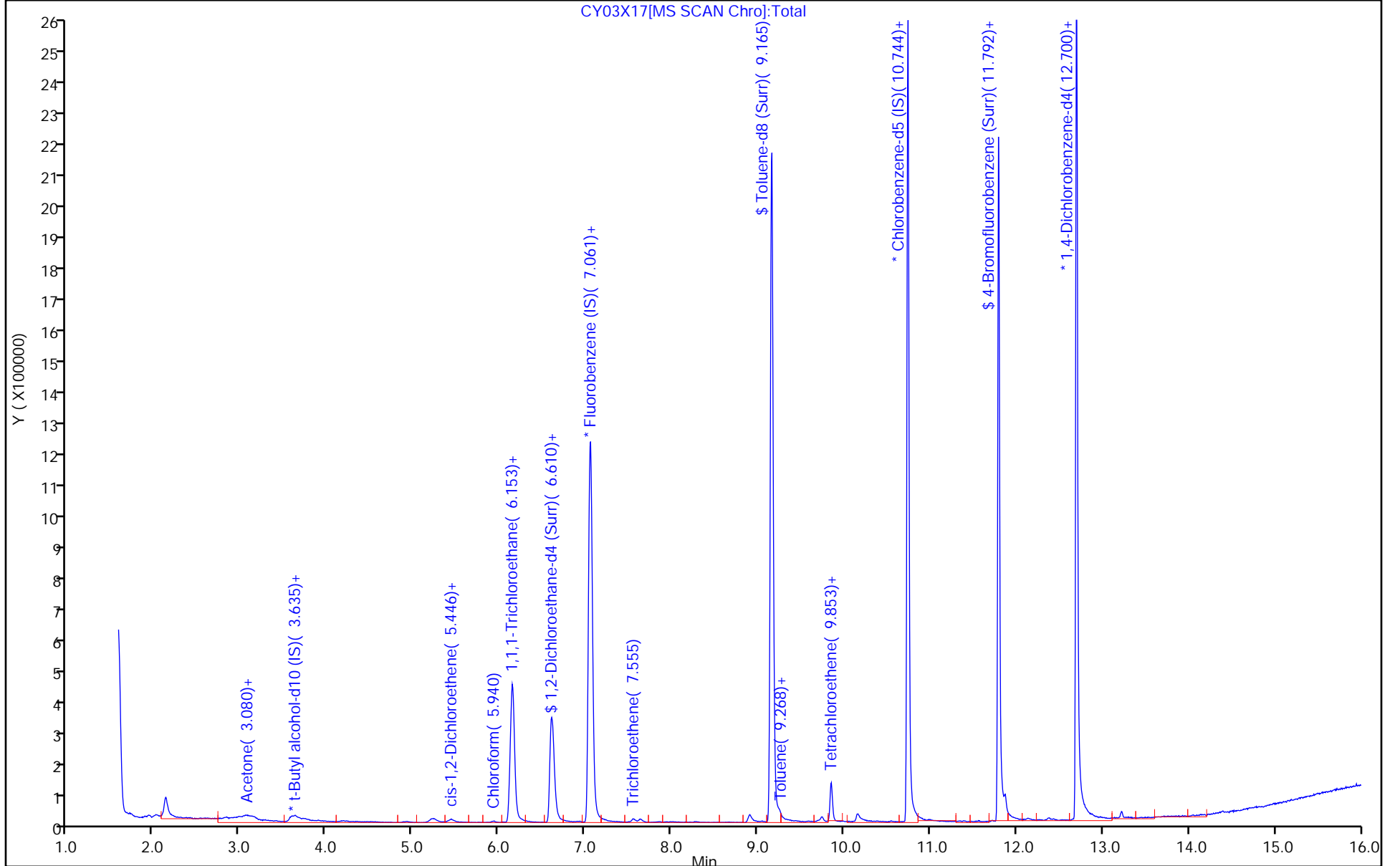
ALS Bottle#: 17

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\20230503-83144.b\CY03X17.D
 Lims ID: 410-124489-A-5
 Client ID: HD-COD-SW-13-0/1-0
 Sample Type: Client
 Inject. Date: 04-May-2023 02:46:30 ALS Bottle#: 17 Worklist Smp#: 19
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-019
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:42:54 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: DVW2 Date: 04-May-2023 15:31:41

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	9.38	93.75
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.50	94.99
\$ 83 Toluene-d8 (Surr)	10.0	10.9	108.61
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.39	93.88

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X17.D

Injection Date: 04-May-2023 02:46:30

Instrument ID: 10193

Lims ID: 410-124489-A-5

Lab Sample ID: 410-124489-5

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

Operator ID: gaw91131

ALS Bottle#: 17

Worklist Smp#: 19

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

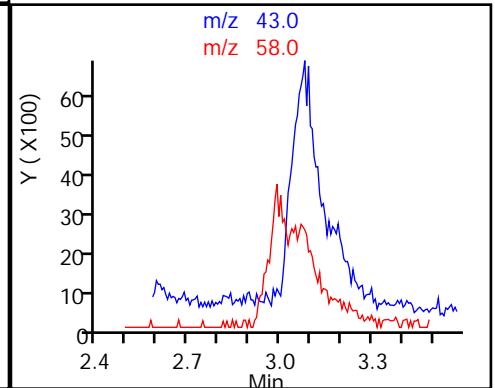
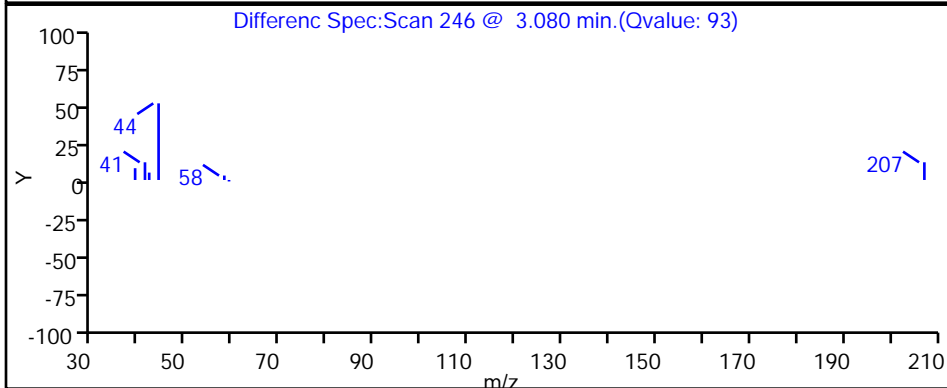
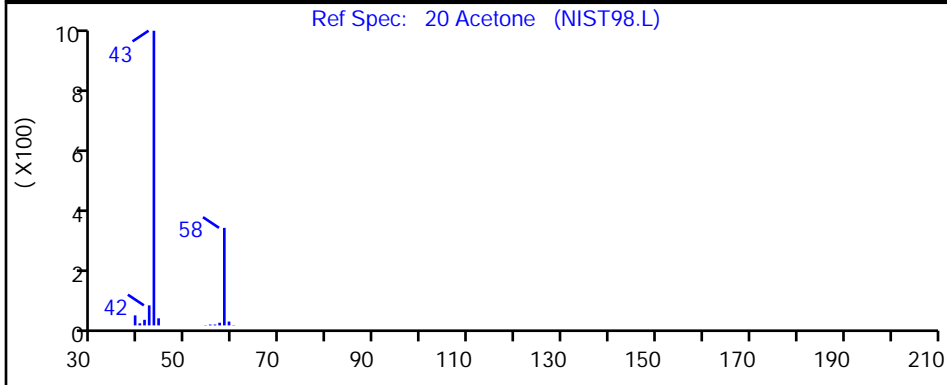
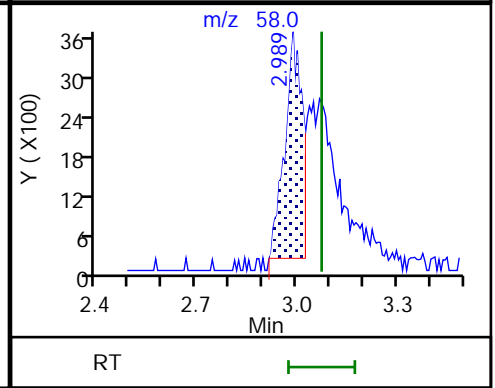
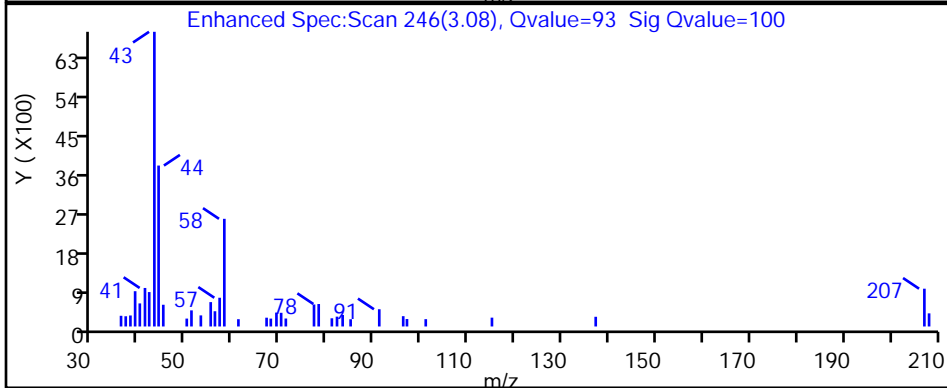
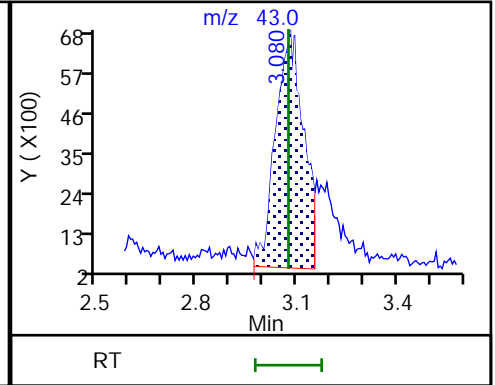
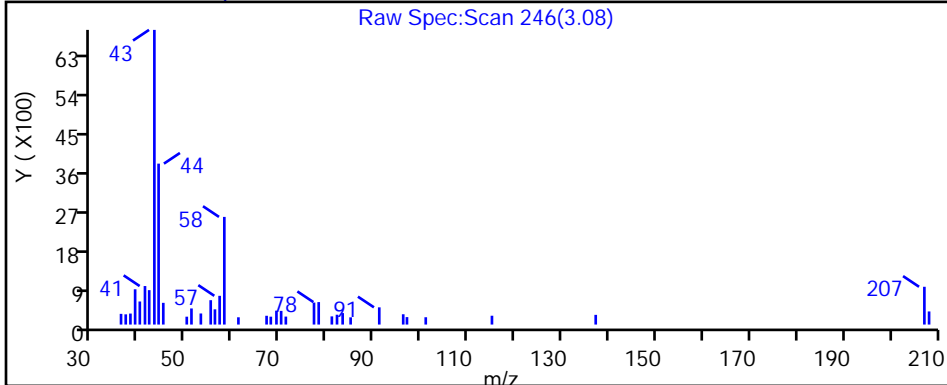
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

20 Acetone, CAS: 67-64-1



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X17.D

Injection Date: 04-May-2023 02:46:30

Instrument ID: 10193

Lims ID: 410-124489-A-5

Lab Sample ID: 410-124489-5

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

Operator ID: gaw91131

ALS Bottle#: 17

Worklist Smp#: 19

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

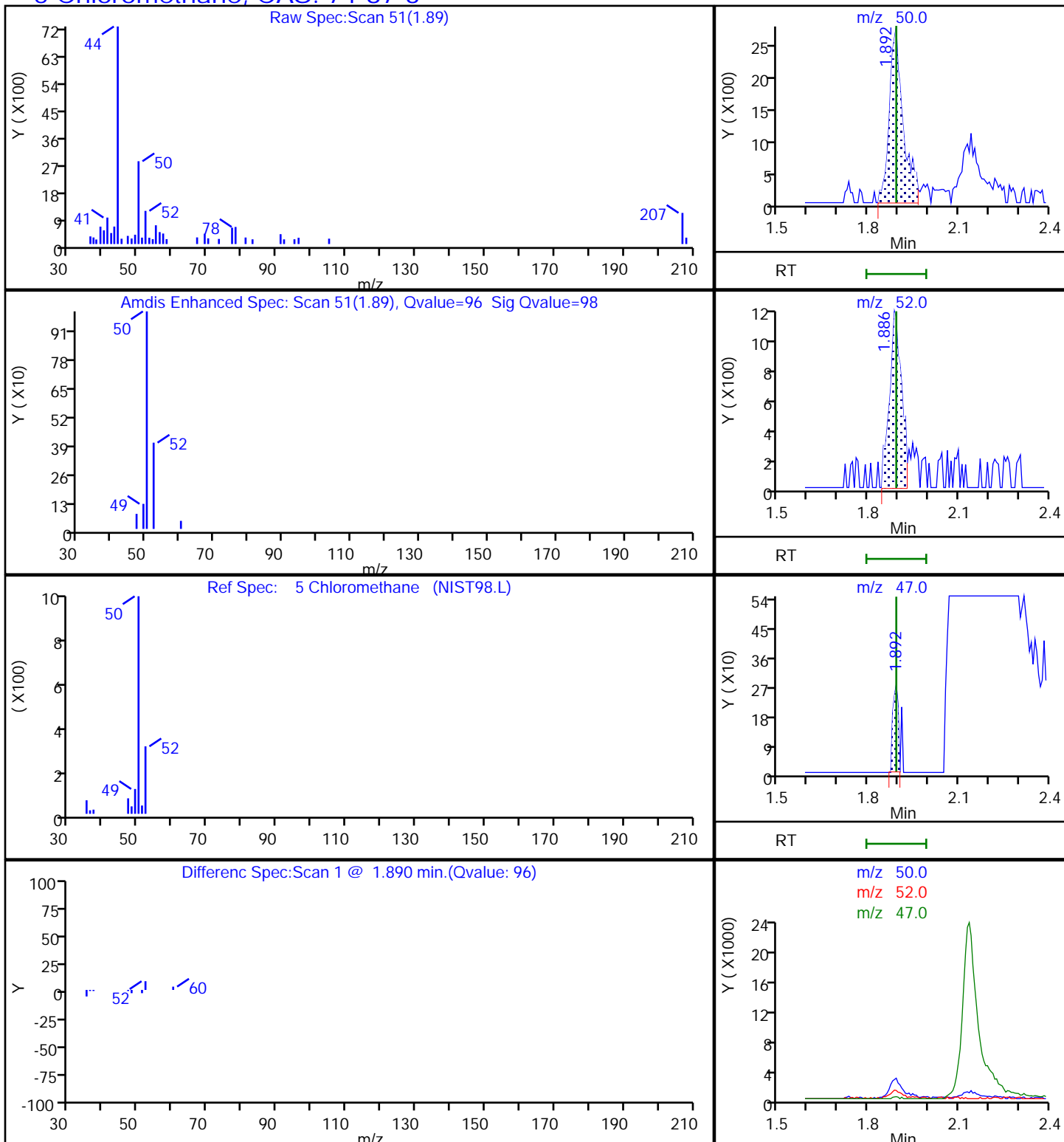
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

5 Chloromethane, CAS: 74-87-3



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X17.D

Injection Date: 04-May-2023 02:46:30

Instrument ID: 10193

Lims ID: 410-124489-A-5

Lab Sample ID: 410-124489-5

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

Operator ID: gaw91131

ALS Bottle#: 17

Worklist Smp#: 19

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

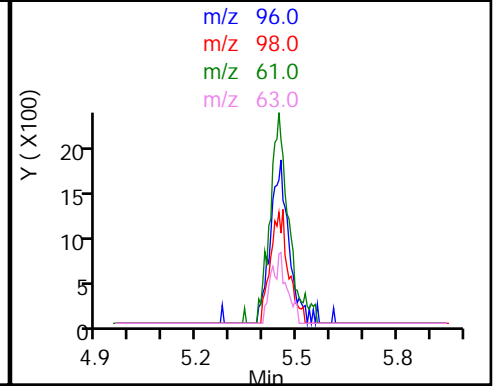
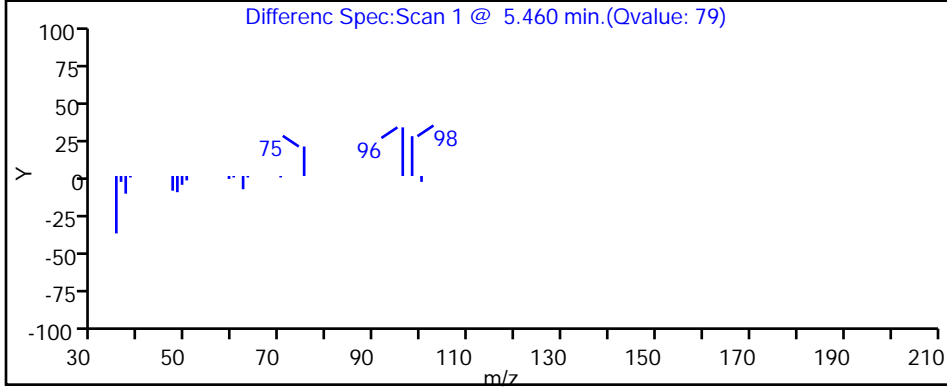
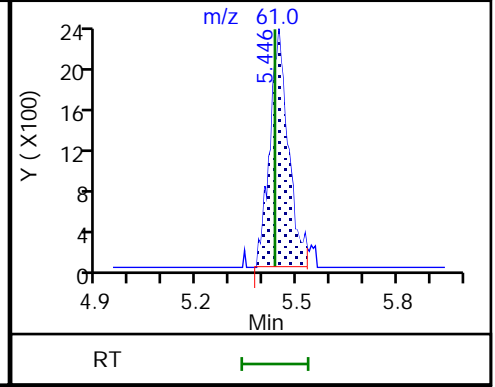
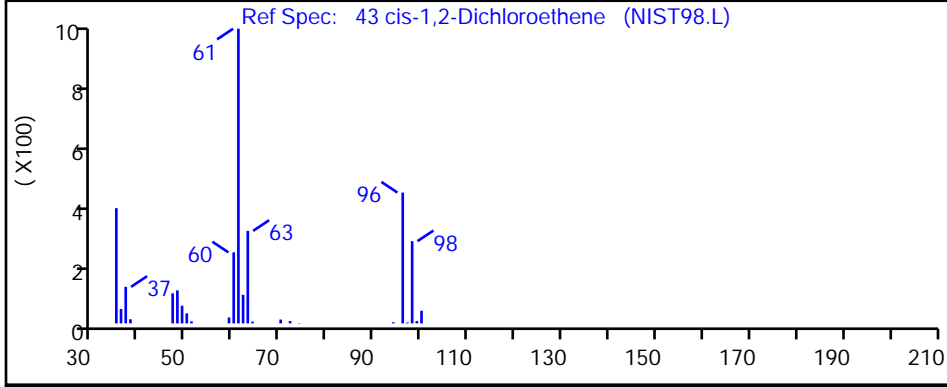
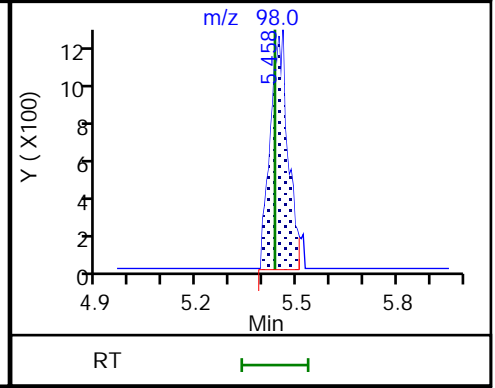
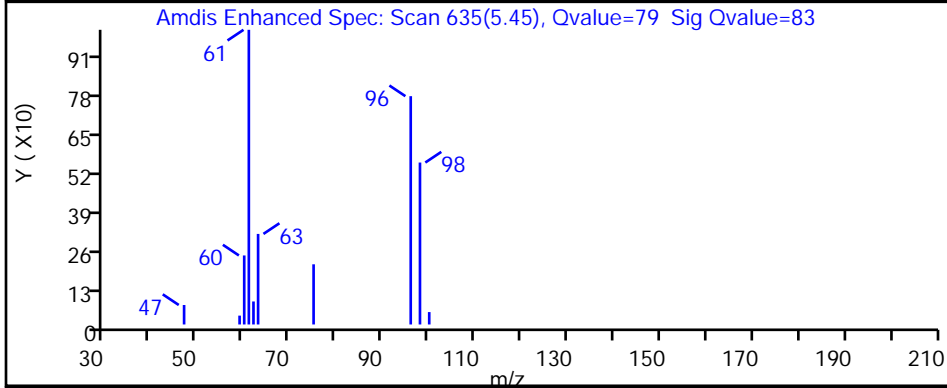
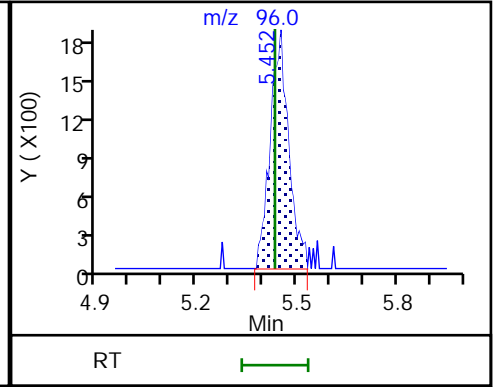
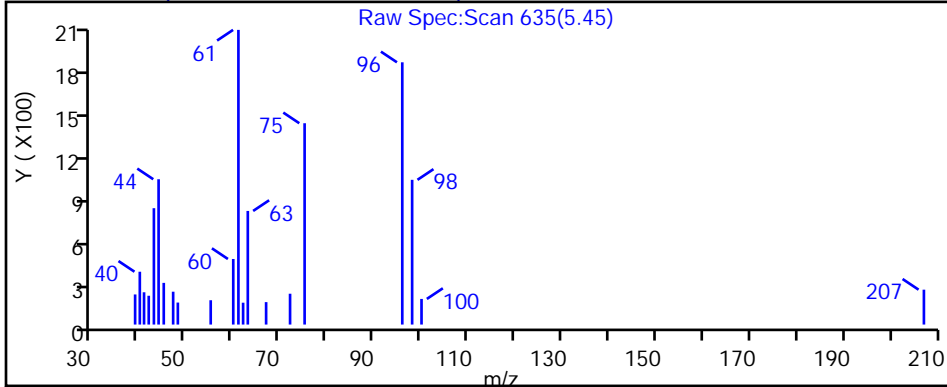
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X17.D

Injection Date: 04-May-2023 02:46:30

Instrument ID: 10193

Lims ID: 410-124489-A-5

Lab Sample ID: 410-124489-5

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

Operator ID: gaw91131

ALS Bottle#: 17

Worklist Smp#: 19

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

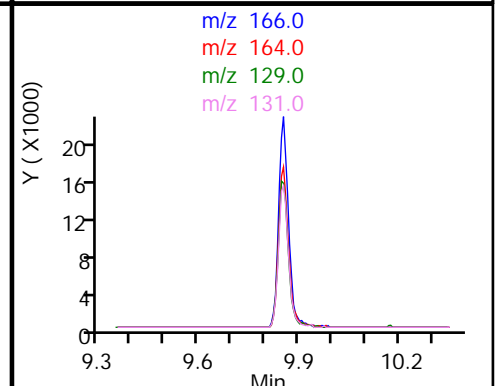
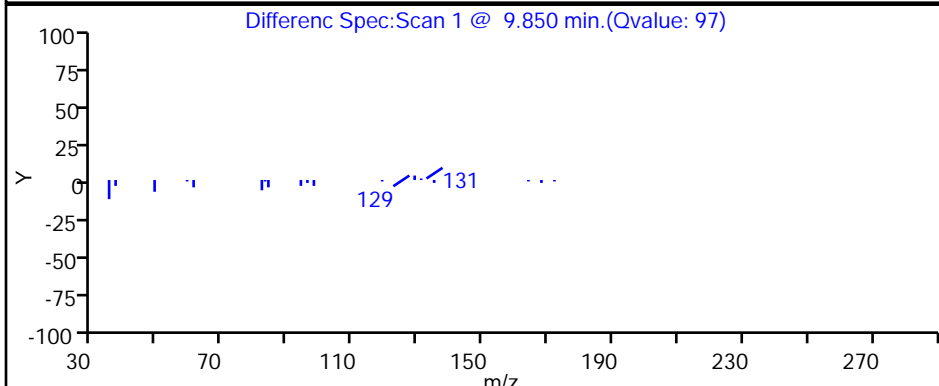
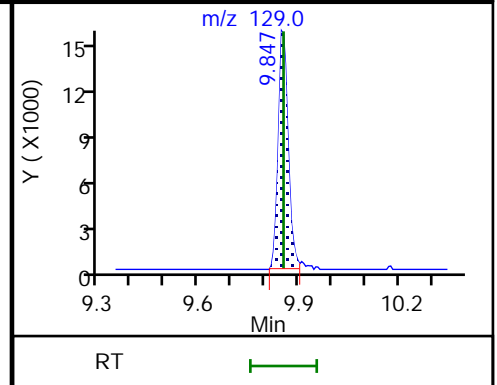
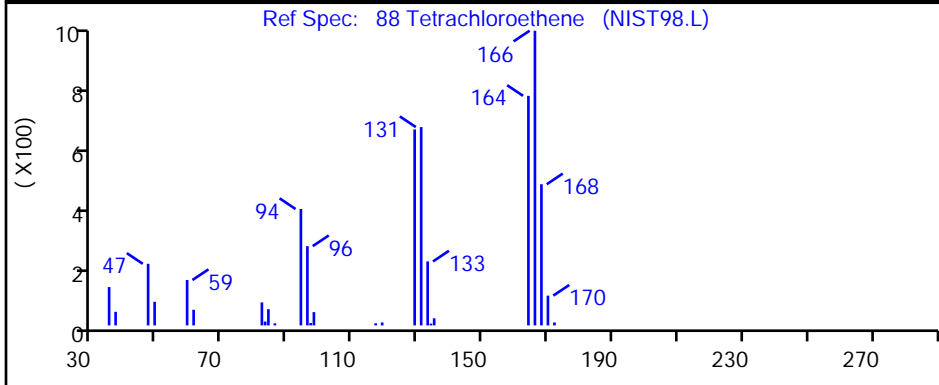
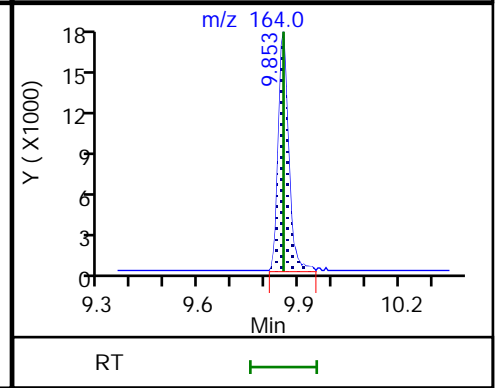
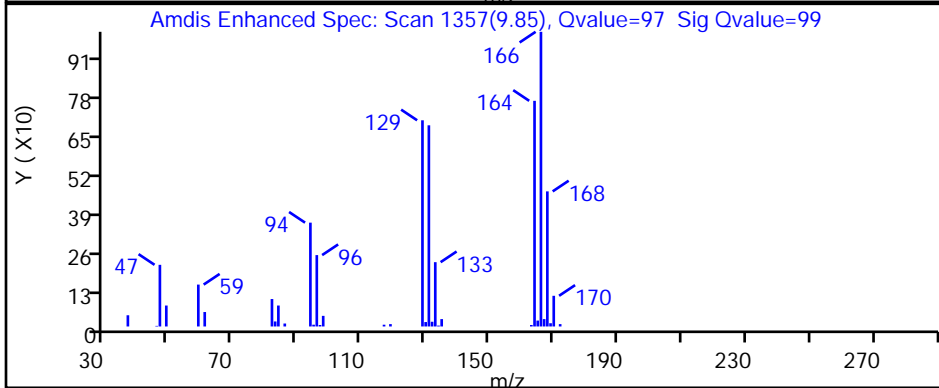
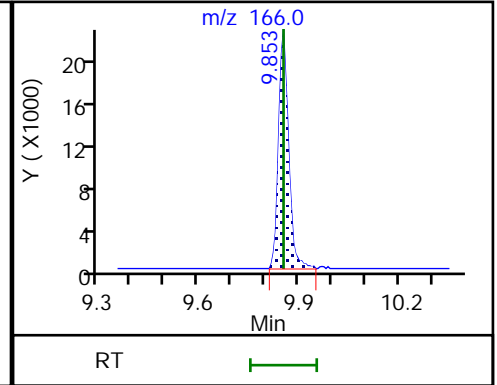
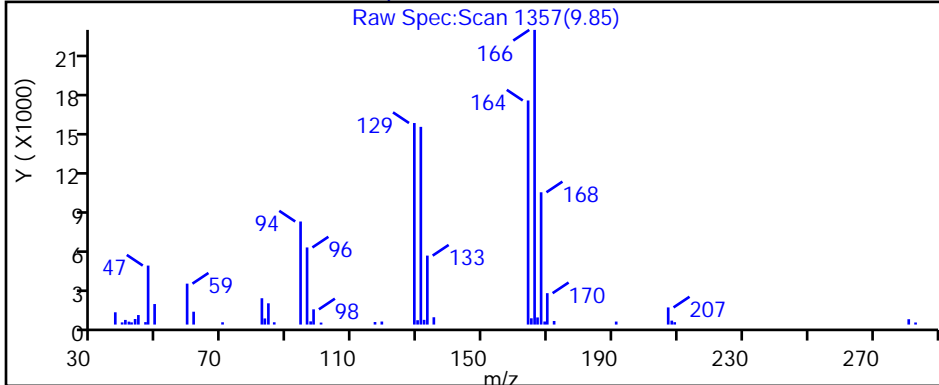
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

88 Tetrachloroethene, CAS: 127-18-4

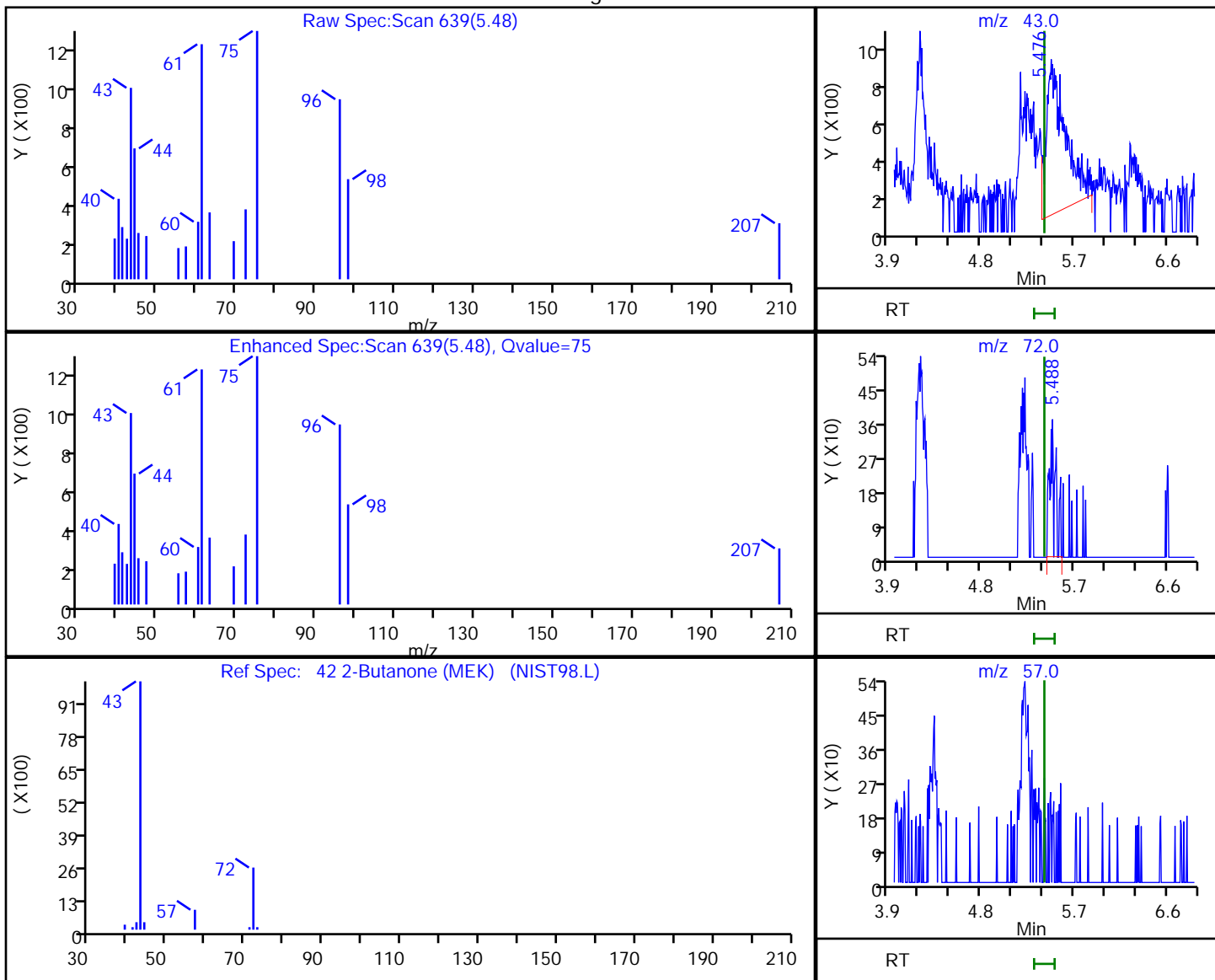


Euofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfms\Lancaster\ChromData\10193\20230503-83144.b\CY03X17.D
 Injection Date: 04-May-2023 02:46:30 Instrument ID: 10193
 Lims ID: 410-124489-A-5 Lab Sample ID: 410-124489-5
 Client ID: HD-COD-SW-13-0/1-0
 Operator ID: gaw91131 ALS Bottle#: 17 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 ID) Detector: MS Quad

42 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
5.48	43.00	10582	0.749999
5.49	72.00	1462	
5.41	57.00	0	

Reviewer: DVW2, 04-May-2023 15:31:15 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

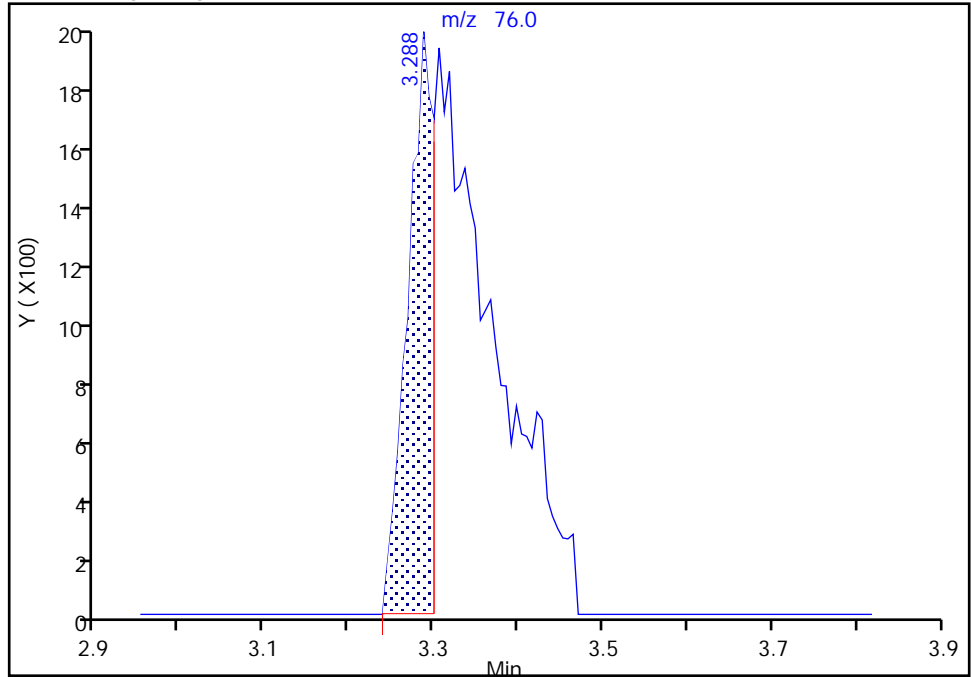
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Injection Date: 04-May-2023 02:46:30 Instrument ID: 10193
Lims ID: 410-124489-A-5 Lab Sample ID: 410-124489-5
Client ID: HD-COD-SW-13-0/1-0
Operator ID: gaw91131 ALS Bottle#: 17 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

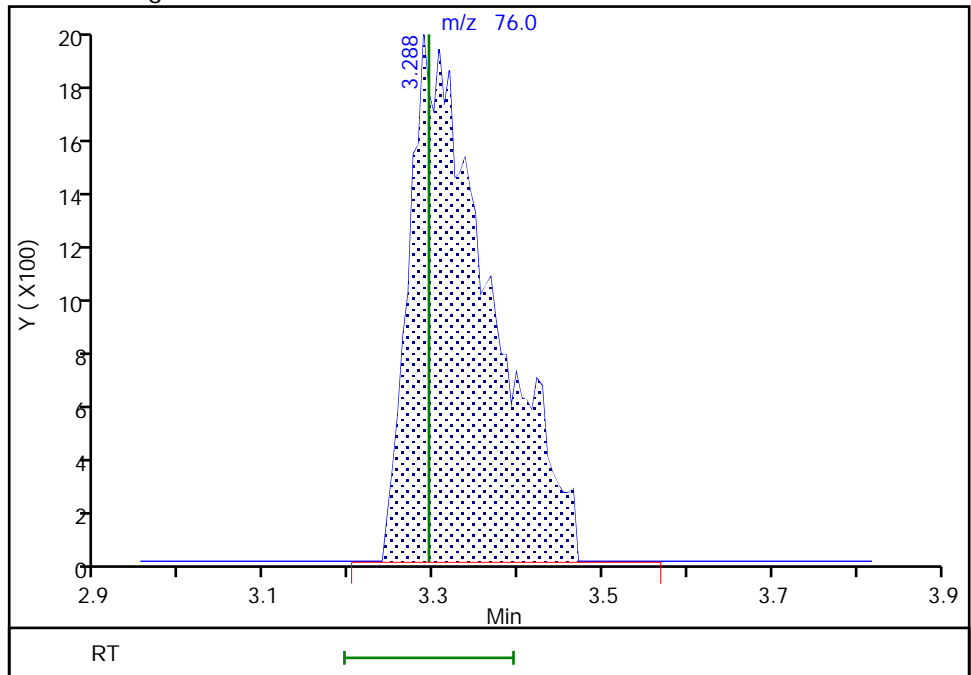
RT: 3.29
Area: 4039
Amount: 0.023189
Amount Units: ug/l

Processing Integration Results



RT: 3.29
Area: 12626
Amount: 0.072488
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-May-2023 15:30:12 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

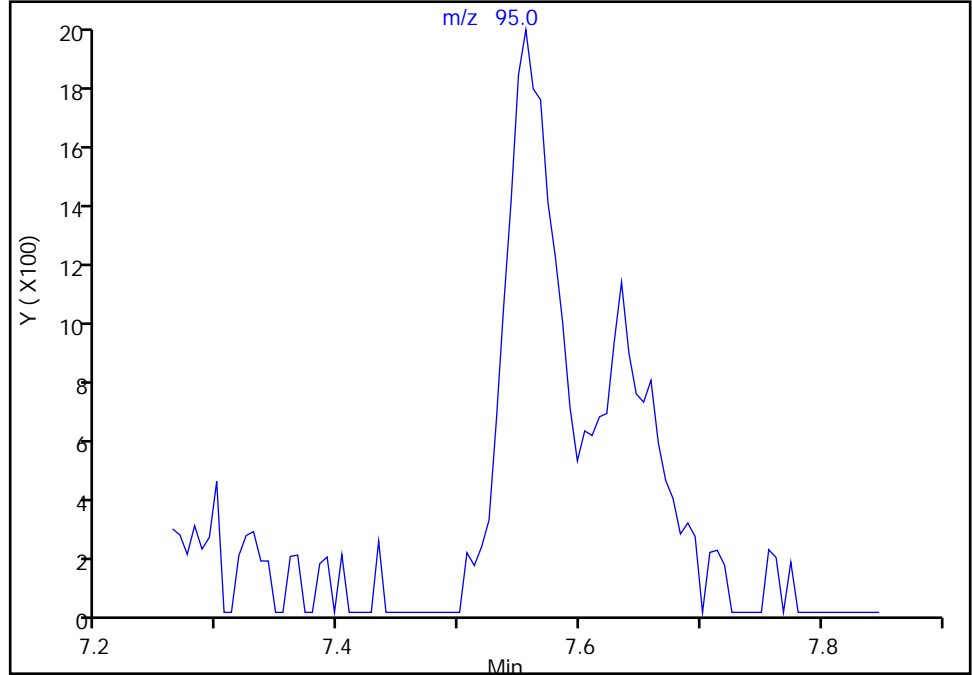
Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X17.D
Injection Date: 04-May-2023 02:46:30 Instrument ID: 10193
Lims ID: 410-124489-A-5 Lab Sample ID: 410-124489-5
Client ID: HD-COD-SW-13-0/1-0
Operator ID: gaw91131 ALS Bottle#: 17 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 Trichloroethene, CAS: 79-01-6

Signal: 1

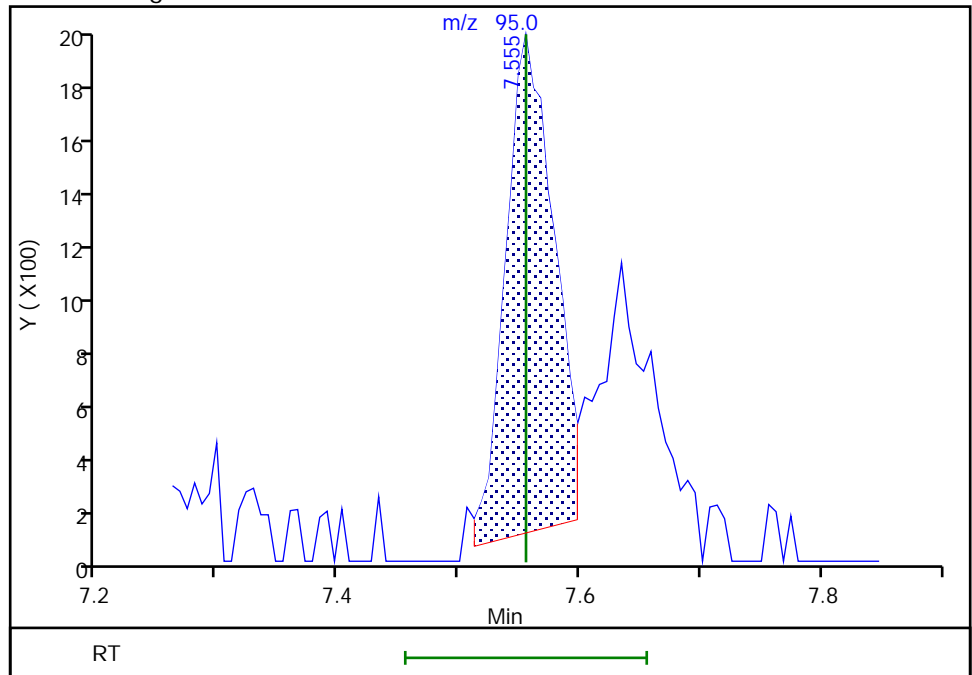
Not Detected
Expected RT: 7.56

Processing Integration Results



Manual Integration Results

RT: 7.56
Area: 5032
Amount: 0.075003
Amount Units: ug/l



Reviewer: DVW2, 04-May-2023 15:31:24 -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.: 410-124489-1

SDG No.:

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

Lab Sample ID: 410-124489-6

Matrix: Water

Lab File ID: CY03X09.D

Analysis Method: 8260D

Date Collected: 04/27/2023 12:15

Sample wt/vol: 25 (mL)

Date Analyzed: 05/03/2023 23:48

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.: 371870

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	0.25	J	0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	0.18	J	0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	1.8	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	^c cn	0.50	0.10
75-15-0	Carbon disulfide	ND	^c cn	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	^c cn	0.50	0.10
67-66-3	Chloroform	0.22	J	0.50	0.090
74-87-3	Chloromethane	0.12	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	1.2		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	0.10
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	4.6		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 Job No.: 410-124489-1
 Environment Testing, LLC

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 Lab Sample ID: 410-124489-6

Matrix: Water Lab File ID: CY03X09.D

Analysis Method: 8260D Date Collected: 04/27/2023 12:15

Sample wt/vol: 25 (mL) Date Analyzed: 05/03/2023 23:48

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.: 371870 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	1.1		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	94		80-120
2037-26-5	Toluene-d8 (Surr)	108		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X09.D
 Lims ID: 410-124489-A-6
 Client ID: HD-COD-SW-15-0/1-0
 Sample Type: Client
 Inject. Date: 03-May-2023 23:48:30 ALS Bottle#: 9 Worklist Smp#: 11
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-011
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:42:54 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: DVW2

Date: 04-May-2023 15:23:12

Compound	Sig	RT (min.)	Exp RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		1.684				ND	
2 Dichlorodifluoromethane	85		1.715				ND	
3 Chlorodifluoromethane	51		1.727				ND	7
4 Dimethyl ether	45		1.776				ND	
5 Chloromethane	50	1.898	1.892	0.006	98	10135	0.1155	
6 Vinyl chloride	62		1.983				ND	7
7 Butadiene	39		1.995				ND	7
8 2-Chloro-1,1,1-Trifluoroethane	118		2.062				ND	
9 Bromomethane	94		2.270				ND	7
10 Chloroethane	64		2.331				ND	
11 Dichlorofluoromethane	67		2.544				ND	7
13 Pentane	43		2.599				ND	U
12 Trichlorofluoromethane	101		2.605				ND	
14 Ethyl ether	59		2.776				ND	
T 15 Vinyl bromide TIC	106	2.501	2.830	-0.329	1	126	0.000631	
16 1,2-Dichloro-1,1,2-trifluoroethane	67		2.873				ND	7
17 Acrolein	56		2.928				ND	7
18 1,1-Dichloroethene	96	3.050	3.038	0.012	97	8981	0.1777	M
20 Acetone	43	3.099	3.074	0.025	54	12970	1.83	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.087				ND	
T 19 Ethanol TIC	45	3.093	3.099	-0.006	1	120	0.000601	
22 Iodomethane	142		3.202				ND	
23 Ethyl bromide	108		3.227				ND	
24 Isopropyl alcohol	45		3.233				ND	U
T 167 Isopropyl alcohol TIC	45	3.276	3.276	0.000	18	873	0.004370	
25 Carbon disulfide	76		3.294				ND	7
26 Methyl acetate	43		3.416				ND	7
29 3-Chloro-1-propene	41		3.434				ND	
27 Acetonitrile	41		3.440				ND	
T 28 Acetonitrile TIC	41	3.483	3.477	0.006	6	150	0.000751	
30 Methylene Chloride	84		3.593				ND	
* 31 t-Butyl alcohol-d10 (IS)	65	3.654	3.629	0.025	95	148769	50.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59		3.745				ND	
33 Acrylonitrile	53		3.897				ND	
34 Methyl tert-butyl ether	73	3.946	3.940	0.006	89	7474	0.0428	
35 trans-1,2-Dichloroethene	96		3.946				ND	7
36 Hexane	57		4.330				ND	7
38 Vinyl acetate	43		4.568				ND	7
37 1,1-Dichloroethane	63	4.580	4.574	0.006	95	10206	0.0912	
39 Isopropyl ether	45		4.641				ND	
40 2-Chloro-1,3-butadiene	53		4.690				ND	
41 Tert-butyl ethyl ether	59		5.196				ND	7
42 2-Butanone (MEK)	43		5.409				ND	7
43 cis-1,2-Dichloroethene	96	5.446	5.434	0.012	79	79217	1.17	
44 2,2-Dichloropropane	77		5.446				ND	7
46 Ethyl acetate	43		5.494				ND	7
45 Propionitrile	54		5.513				ND	
47 Methacrylonitrile	67		5.720				ND	
48 Chlorobromomethane	128		5.769				ND	
49 Tetrahydrofuran	71		5.793				ND	
50 Chloroform	83	5.940	5.934	0.006	92	25000	0.2234	
51 Methyl acrylate	55		6.013				ND	
53 1,1,1-Trichloroethane	97	6.165	6.153	0.012	37	24501	0.2483	
\$ 54 Dibromofluoromethane (Surr)	113	6.159	6.153	0.006	94	490610	9.43	
S 52 1,2-Dichloroethene, Total	100				0		1.17	
55 Cyclohexane	56		6.245				ND	
56 Carbon tetrachloride	117		6.366				ND	7
57 1,1-Dichloropropene	75		6.373				ND	
58 Isobutyl alcohol	41		6.598				ND	U
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.616	6.610	0.006	99	99749	9.73	
60 Benzene	78		6.641				ND	
61 1,2-Dichloroethane	62		6.720				ND	
63 Isopropyl acetate	43		6.756				ND	
62 1-Chlorobutane	56	6.915	6.781	0.134	1	132	NC	
64 Tert-amyl methyl ether	73		6.854				ND	
* 65 Fluorobenzene (IS)	96	7.061	7.061	0.000	99	1997887	10.0	
66 n-Heptane	43		7.080				ND	7
67 n-Butanol	56		7.525				ND	
68 Trichloroethene	95	7.555	7.555	0.000	98	73756	1.09	
69 Methylcyclohexane	83		7.854				ND	
70 1,2-Dichloropropane	63		7.891				ND	
71 2-ethoxy-2-methyl butane	87		7.915				ND	
72 Dibromomethane	93		8.006				ND	
73 Methyl methacrylate	69		8.006				ND	
74 1,4-Dioxane	88		8.006				ND	
75 n-Propyl acetate	61		8.104				ND	
76 Dichlorobromomethane	83		8.250				ND	7
77 2-Nitropropane	41		8.537				ND	7
79 2-Chloroethyl vinyl ether	63		8.646				ND	
78 1-Bromo-2-chloroethane	63		8.647				ND	
80 cis-1,3-Dichloropropene	75		8.829				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.037				ND	7
81 Chloroacetonitrile	75	9.165	9.067	0.098	52	690	NC	
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	93	2044007	10.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
84 Toluene	92	9.244	9.250	-0.006	97	4578	0.0313	
85 trans-1,3-Dichloropropene	75		9.555				ND	
86 Ethyl methacrylate	69		9.634				ND	
87 1,1,2-Trichloroethane	97		9.768				ND	7
88 Tetrachloroethene	166	9.854	9.854	0.000	98	317731	4.61	
89 1,3-Dichloropropane	76		9.939				ND	
T 103 2-Chloroethanol TIC	44	10.000	10.000	0.000	1	364	0.001822	
T 102 Methyl acrylate TIC	55	10.207	10.000	0.207	1	222	0.001111	
T 101 Ethylene oxide TIC	43		10.000				ND	
T 99 2,3-Dibromopropene TIC	119	9.854	10.000	-0.146	1	2062	0.0103	
T 90 2-Bromoethanol TIC	45	9.159	10.000	-0.841	9	2044	0.0102	
T 100 2-Bromo-3-chloropropene TIC	75	10.744	10.000	0.744	4	23715	0.1187	
T 105 Chloroacetaldehyde TIC	50		10.000				ND	
T 104 Epibromohydrin TIC	57	10.725	10.000	0.725	1	381	0.001907	
T 95 Vinyl acetate (TIC)	43		10.000				ND	
T 96 Nitrobenzene TIC	77	9.951	10.000	-0.049	1	340	0.001702	
T 94 2,3-Dibromo-1-propanol TIC	57	10.725	10.000	0.725	1	381	0.001907	
T 97 Decamethylcyclotetrasiloxane TIC	78	9.976	10.000	-0.024	1	348	0.001742	
T 91 Octamethylcyclotetrasiloxane TIC	78	11.878	10.000	1.878	91	28741	0.1439	
T 92 3-Chloro-1,2-propanediol TIC	43		10.000				ND	
T 93 Monochloroacetic acid TIC	50	9.854	10.000	-0.146	1	217	0.001086	
T 98 Epichlorohydrin TIC	57		10.000				ND	
106 2-Hexanone	43		10.018				ND	7
S 107 1,3-Dichloropropene, Total	100		10.060				ND	7
109 n-Butyl acetate	43	10.225	10.158	0.067	7	677	0.0134	
108 Chlorodibromomethane	129		10.171				ND	
110 Ethylene Dibromide	107		10.280				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.744	0.000	85	1585854	10.0	
112 1-Chlorohexane	91		10.762				ND	7
113 Chlorobenzene	112		10.768				ND	
114 1,1,1,2-Tetrachloroethane	131		10.860				ND	
115 Ethylbenzene	91		10.866				ND	7
116 m-Xylene & p-Xylene	106		10.988				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.329				ND	7
119 Styrene	104		11.347				ND	7
120 Bromoform	173		11.506				ND	
121 Isopropylbenzene	105		11.646				ND	
123 Cyclohexanone	55		11.737				ND	
122 cis-1,4-Dichloro-2-butene	88		11.792				ND	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	94	762262	9.42	
125 Bromobenzene	156		11.908				ND	
126 1,1,2,2-Tetrachloroethane	83		11.908				ND	
127 trans-1,4-Dichloro-2-butene	53		11.932				ND	
128 1,2,3-Trichloropropane	110		11.951				ND	
129 N-Propylbenzene	91		11.987				ND	7
130 2-Chlorotoluene	126		12.061				ND	
131 1,3,5-Trimethylbenzene	105		12.128				ND	7
132 4-Chlorotoluene	126		12.158				ND	
133 tert-Butylbenzene	134		12.378				ND	
134 Pentachloroethane	167		12.402				ND	
135 1,2,4-Trimethylbenzene	105		12.420				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ug/l	Flags
136 sec-Butylbenzene	105		12.542				ND	
137 1,3-Dichlorobenzene	146		12.640				ND	
138 4-Isopropyltoluene	119		12.658				ND	7
* 139 1,4-Dichlorobenzene-d4	152	12.701	12.695	0.006	94	929713	10.0	
140 1,4-Dichlorobenzene	146		12.713				ND	7
141 1,2,3-Trimethylbenzene	120		12.731				ND	7
142 Benzyl chloride	126		12.798				ND	7
143 n-Butylbenzene	92		12.951				ND	
144 1,2-Dichlorobenzene	146		12.981				ND	
145 p-Diethylbenzene	119		13.005				ND	
T 146 Hexachloroethane TIC	117	13.450	13.444	0.006	1	86	0.000430	
147 Hexachloroethane	117		13.444				ND	
148 1,2-Dibromo-3-Chloropropane	155		13.542				ND	
149 1,3,5-Trichlorobenzene	180		13.664				ND	
150 1,2,4-Trichlorobenzene	180		14.091				ND	
151 Hexachlorobutadiene	225		14.176				ND	
152 Naphthalene	128		14.273				ND	7
153 1,2,3-Trichlorobenzene	180		14.420				ND	
154 2-Methylnaphthalene	142		15.017				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

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

MSV_HP25_ISSS_00069

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X09.D

Injection Date: 03-May-2023 23:48:30

Instrument ID: 10193

Operator ID: gaw91131

Lims ID: 410-124489-A-6

Lab Sample ID: 410-124489-6

Worklist Smp#: 11

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

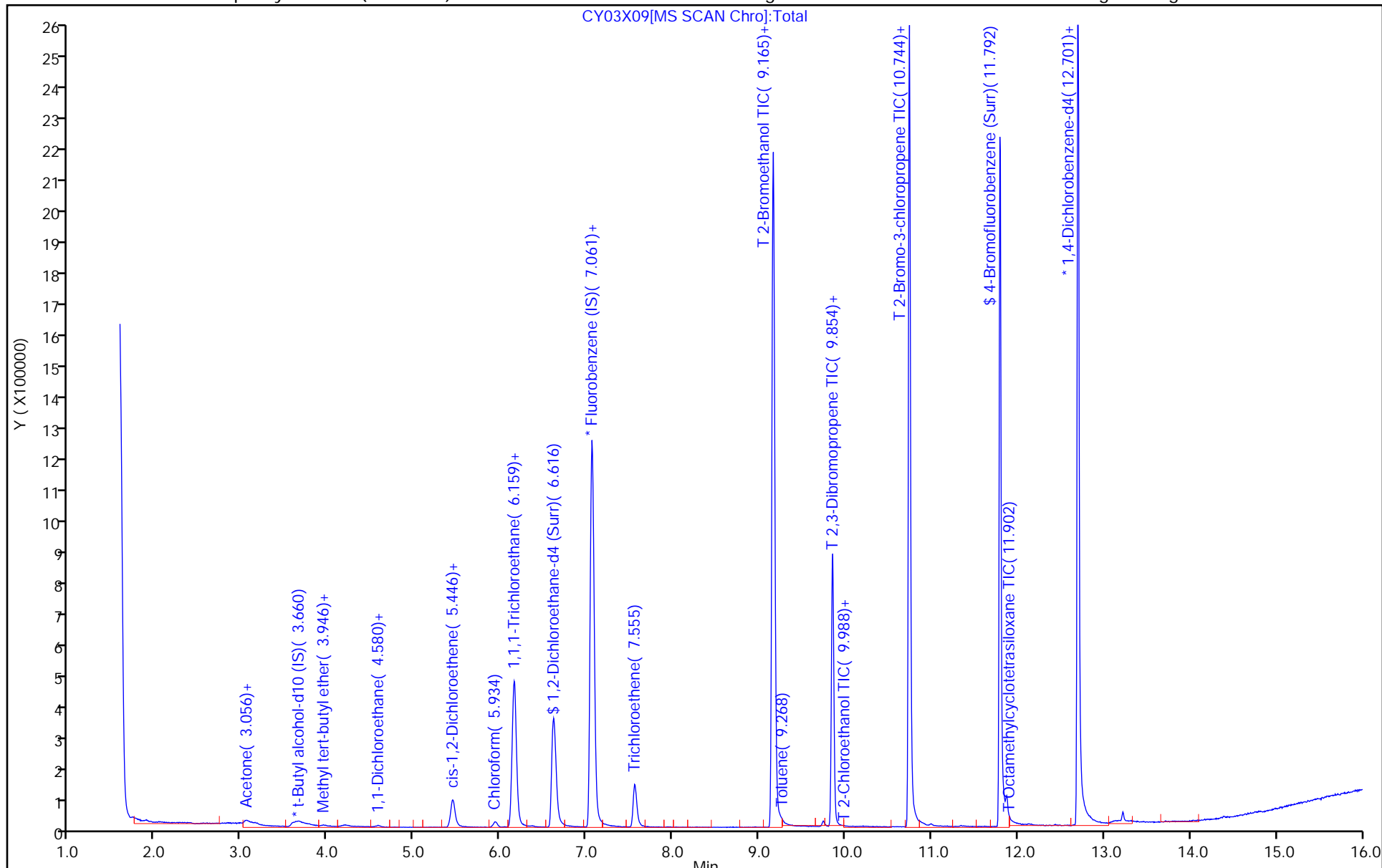
ALS Bottle#: 9

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X09.D
 Lims ID: 410-124489-A-6
 Client ID: HD-COD-SW-15-0/1-0
 Sample Type: Client
 Inject. Date: 03-May-2023 23:48:30 ALS Bottle#: 9 Worklist Smp#: 11
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-011
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:42:54 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: DVW2

Date: 04-May-2023 15:23:12

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	9.43	94.29
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.73	97.27
\$ 83 Toluene-d8 (Surr)	10.0	10.8	107.91
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.42	94.16

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X09.D

Injection Date: 03-May-2023 23:48:30

Instrument ID: 10193

Lims ID: 410-124489-A-6

Lab Sample ID: 410-124489-6

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

Operator ID: gaw91131

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

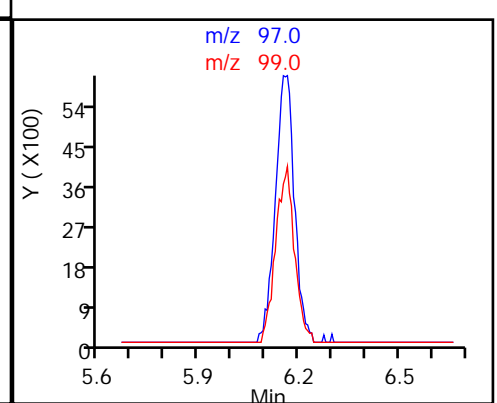
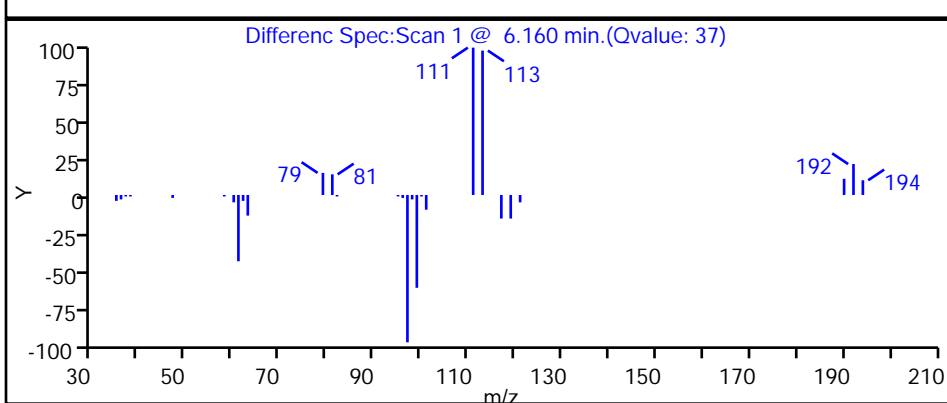
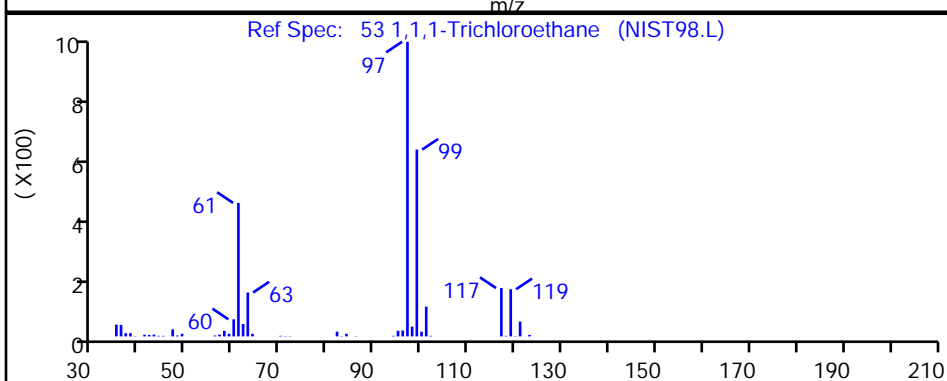
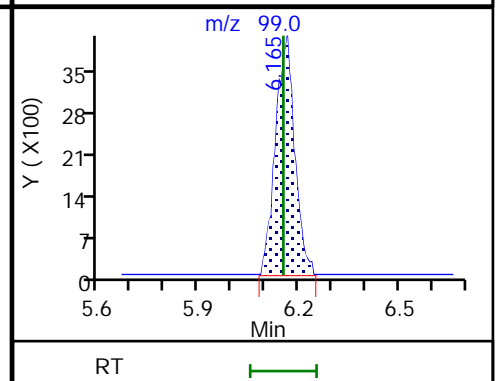
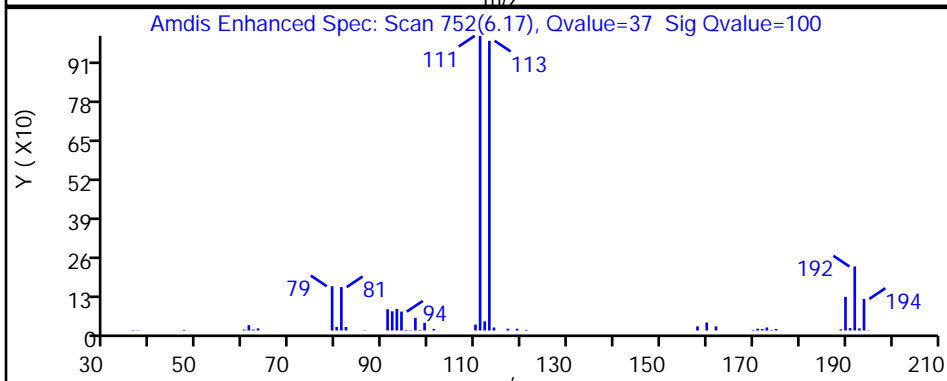
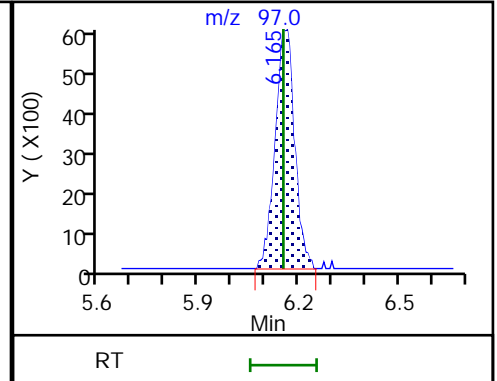
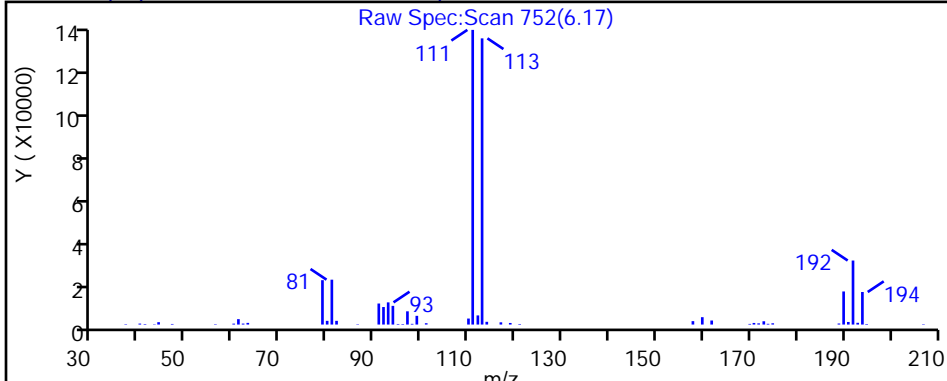
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X09.D

Injection Date: 03-May-2023 23:48:30

Instrument ID: 10193

Lims ID: 410-124489-A-6

Lab Sample ID: 410-124489-6

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

Operator ID: gaw91131

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

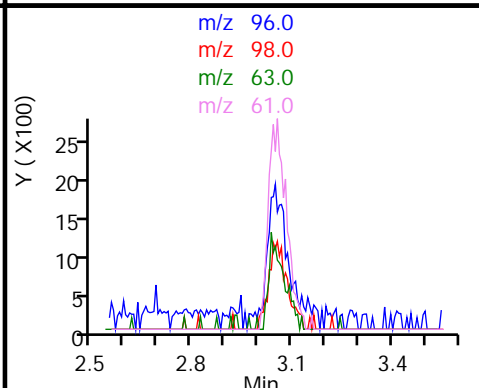
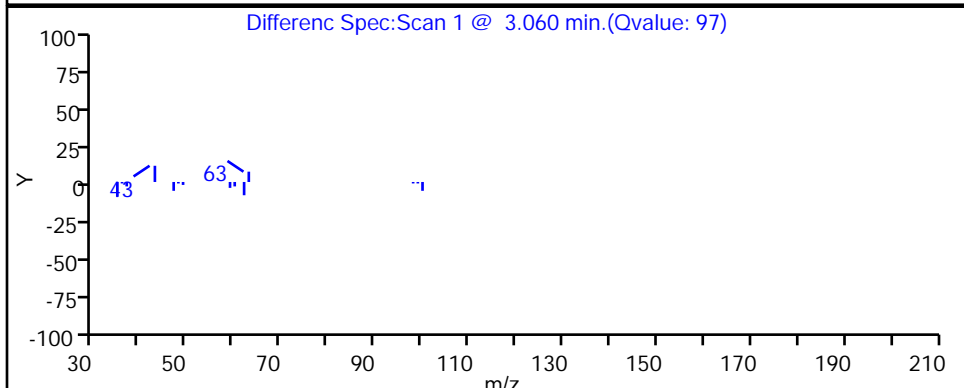
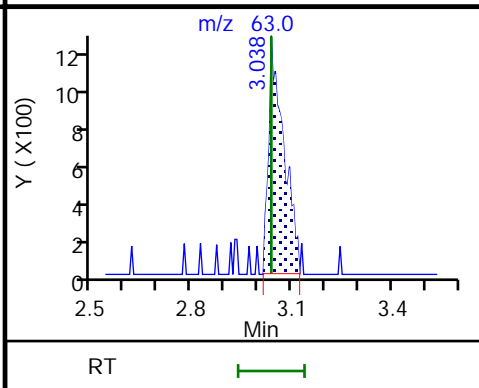
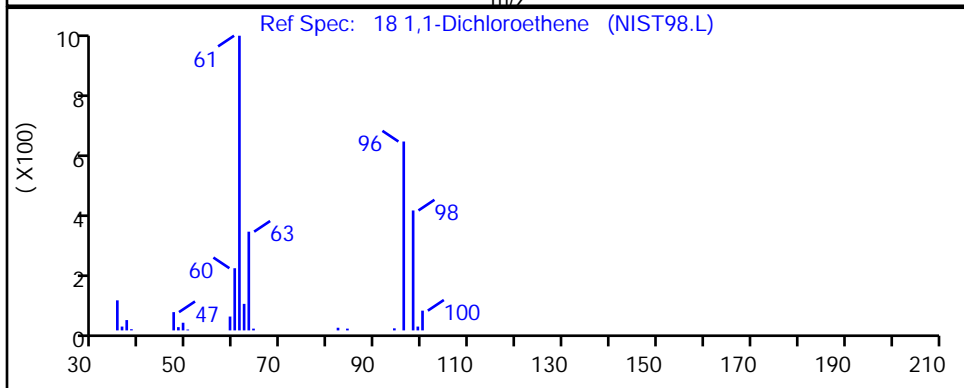
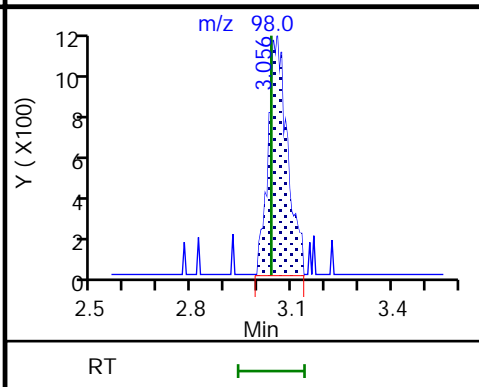
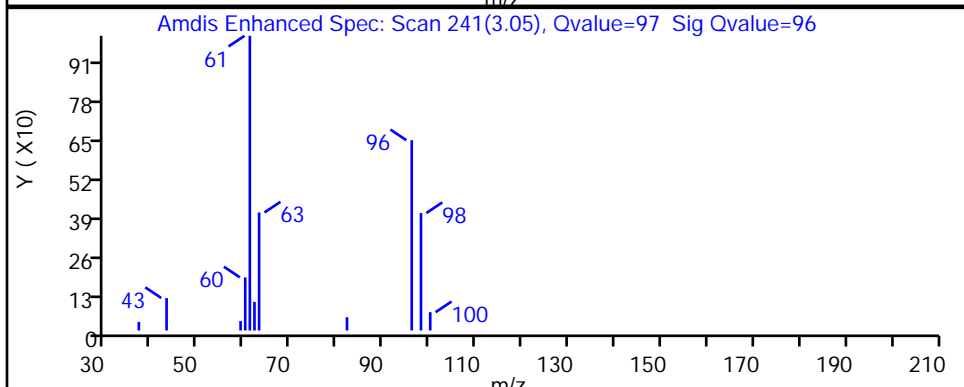
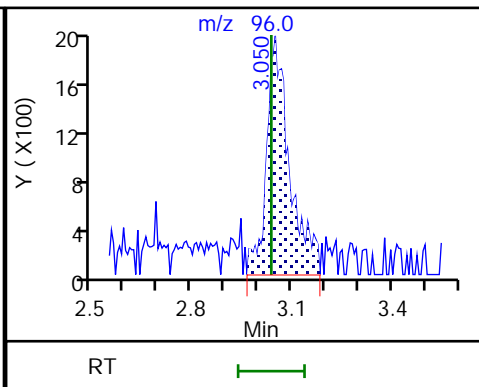
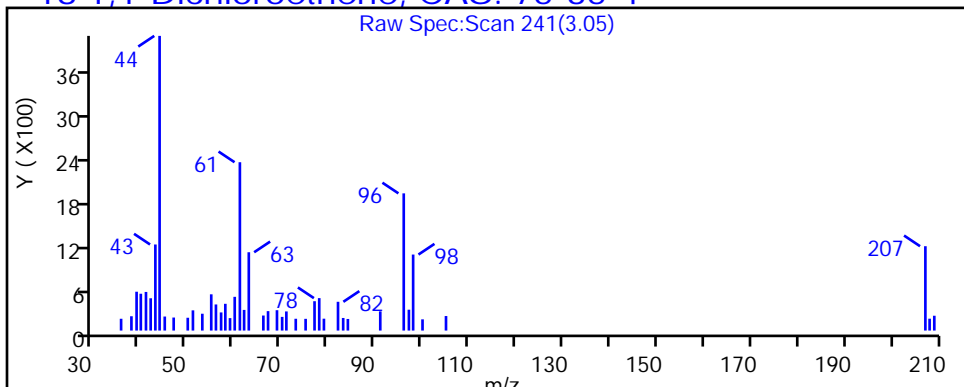
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

18 1,1-Dichloroethene, CAS: 75-35-4



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X09.D

Injection Date: 03-May-2023 23:48:30

Instrument ID: 10193

Lims ID: 410-124489-A-6

Lab Sample ID: 410-124489-6

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

Operator ID: gaw91131

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

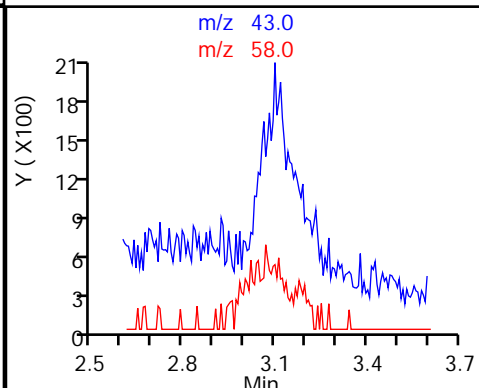
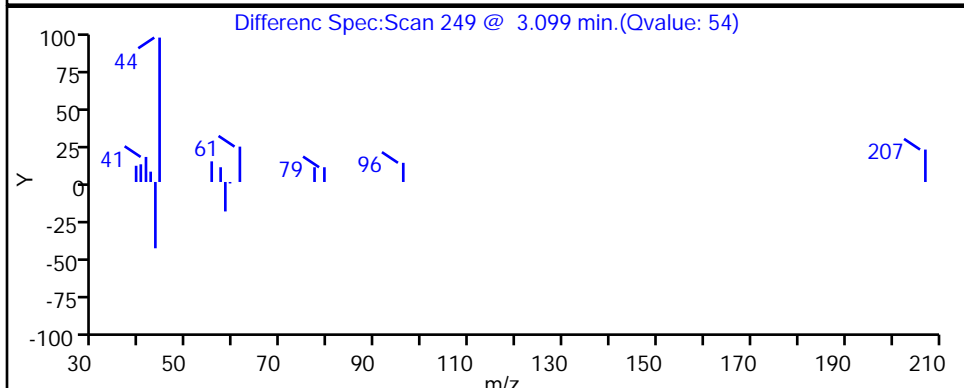
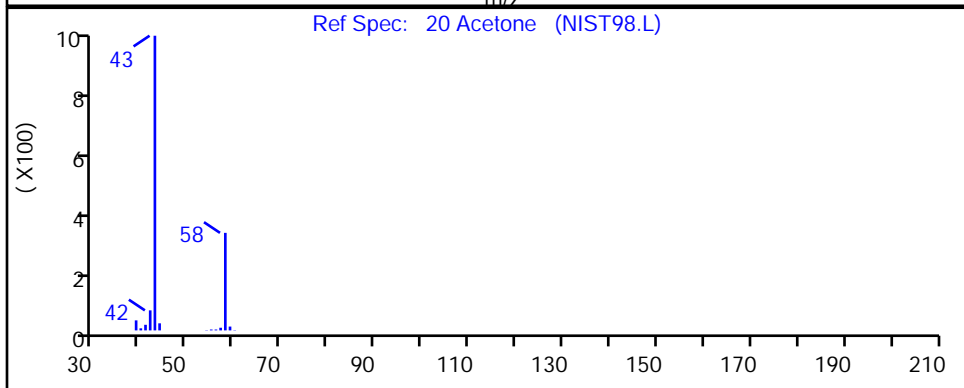
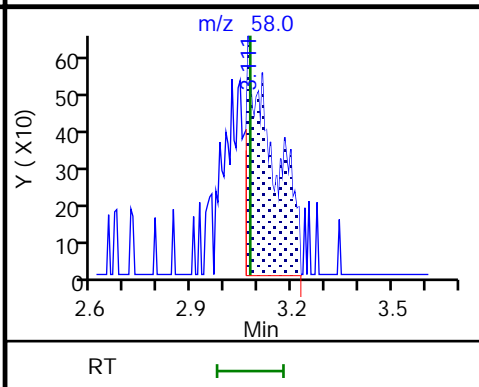
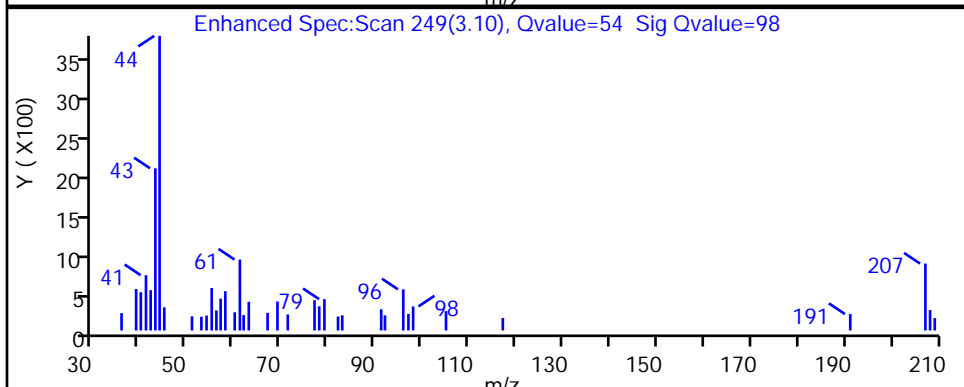
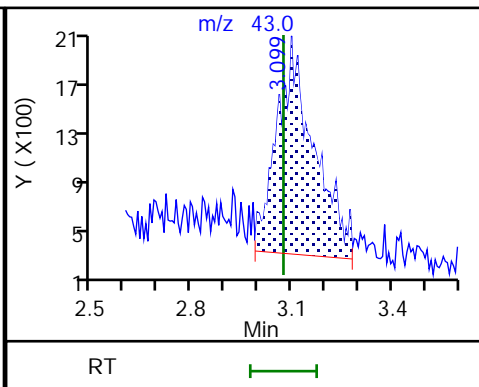
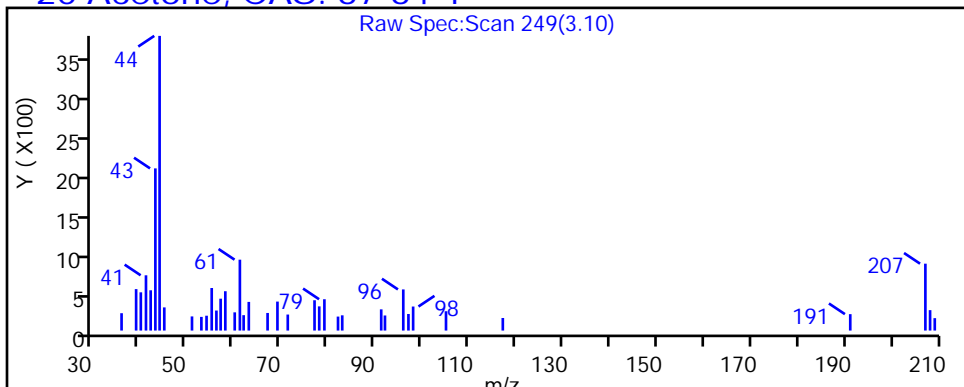
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

20 Acetone, CAS: 67-64-1



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X09.D

Injection Date: 03-May-2023 23:48:30

Instrument ID: 10193

Lims ID: 410-124489-A-6

Lab Sample ID: 410-124489-6

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

Operator ID: gaw91131

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

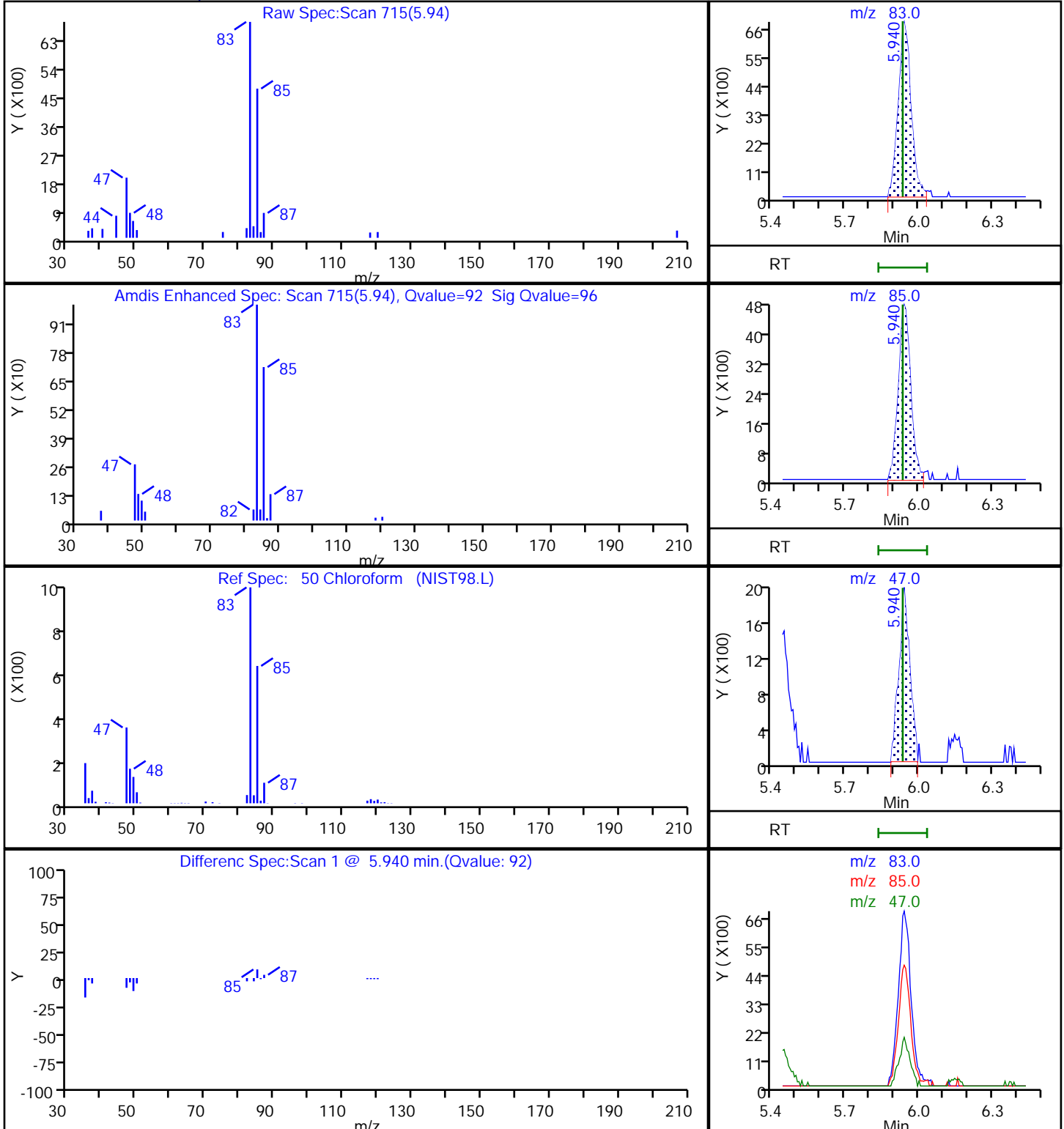
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

50 Chloroform, CAS: 67-66-3



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X09.D

Injection Date: 03-May-2023 23:48:30

Instrument ID: 10193

Lims ID: 410-124489-A-6

Lab Sample ID: 410-124489-6

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

Operator ID: gaw91131

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

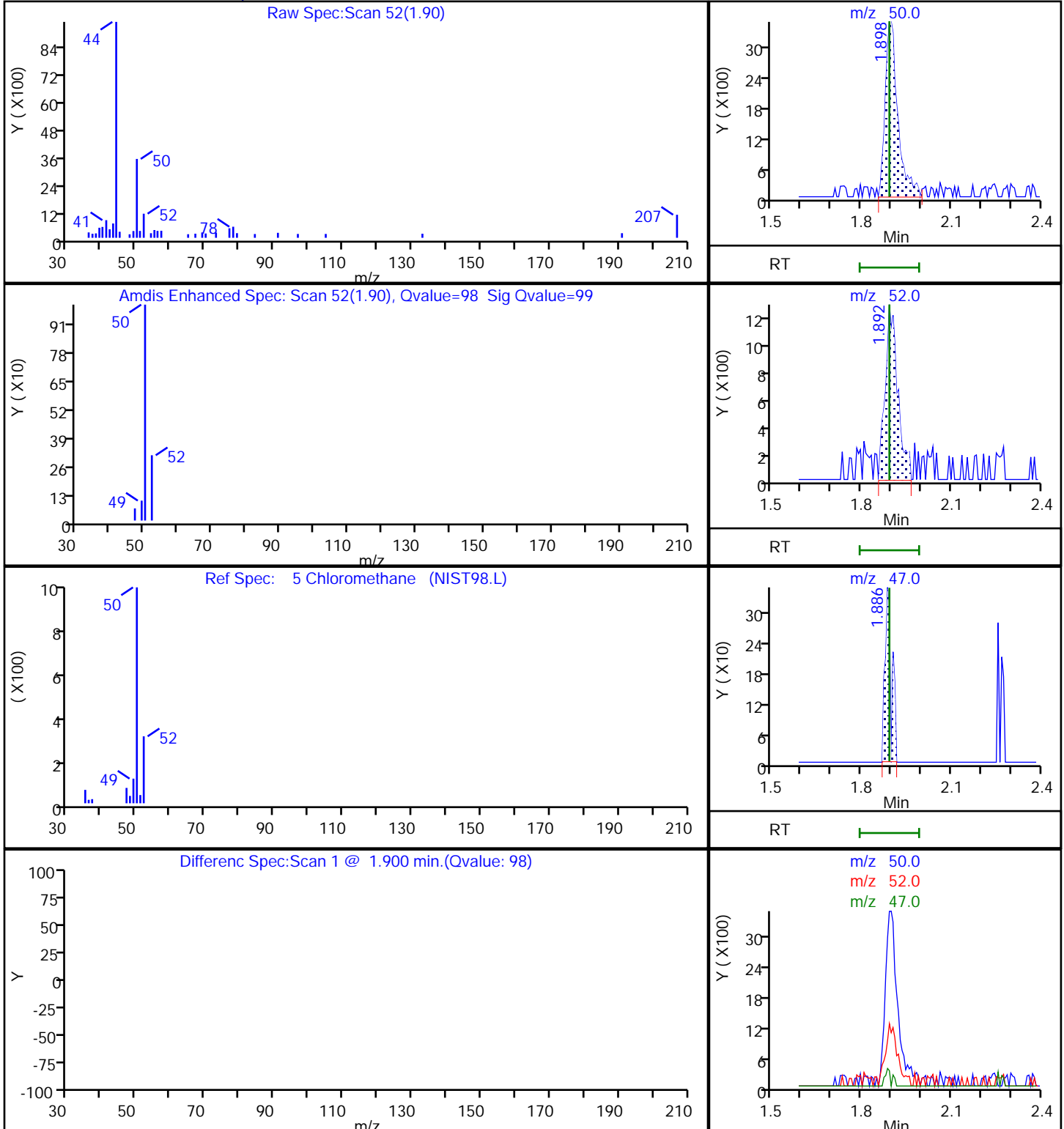
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

5 Chloromethane, CAS: 74-87-3



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X09.D

Injection Date: 03-May-2023 23:48:30

Instrument ID: 10193

Lims ID: 410-124489-A-6

Lab Sample ID: 410-124489-6

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

Operator ID: gaw91131

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

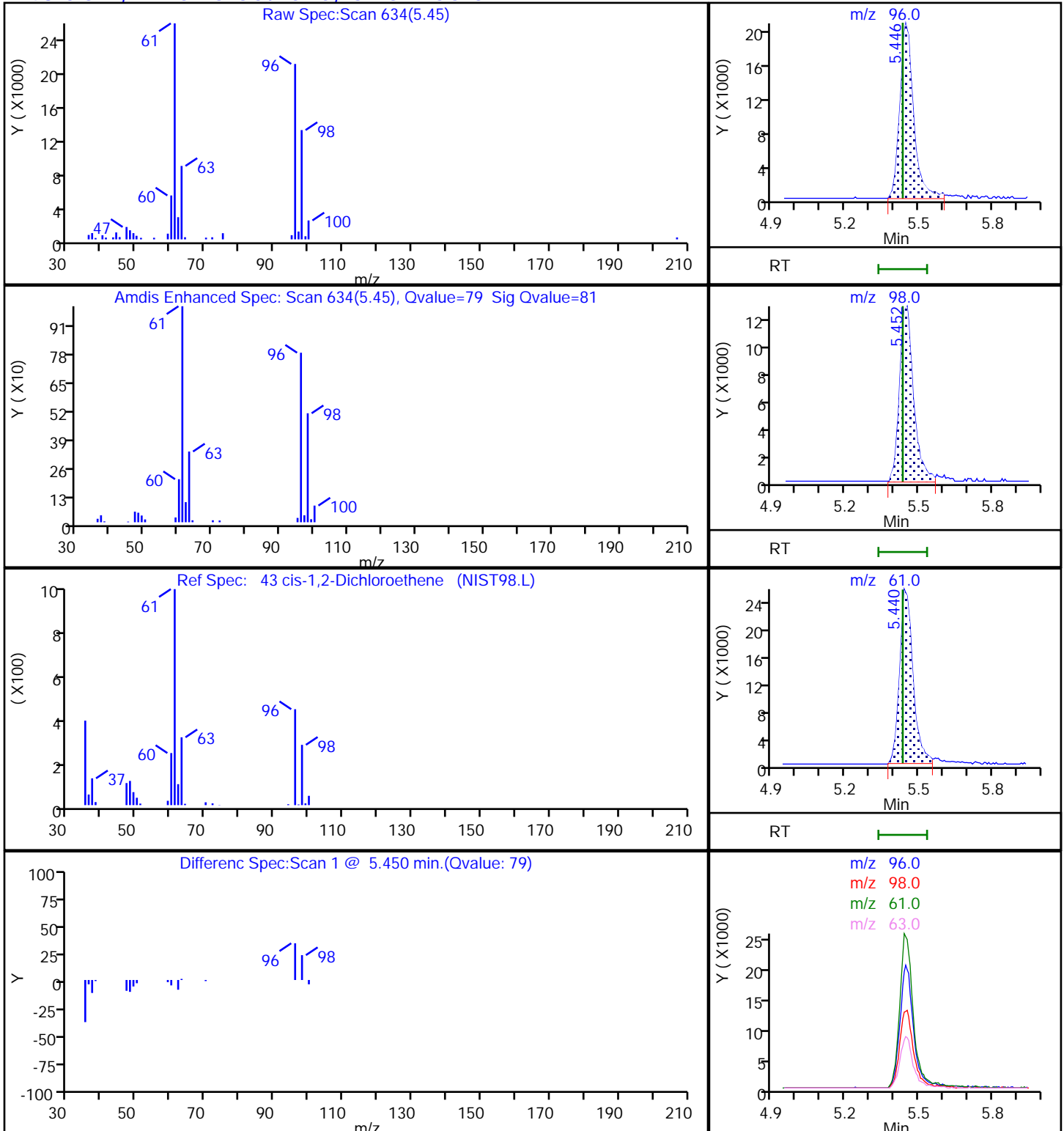
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X09.D

Injection Date: 03-May-2023 23:48:30

Instrument ID: 10193

Lims ID: 410-124489-A-6

Lab Sample ID: 410-124489-6

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

Operator ID: gaw91131

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

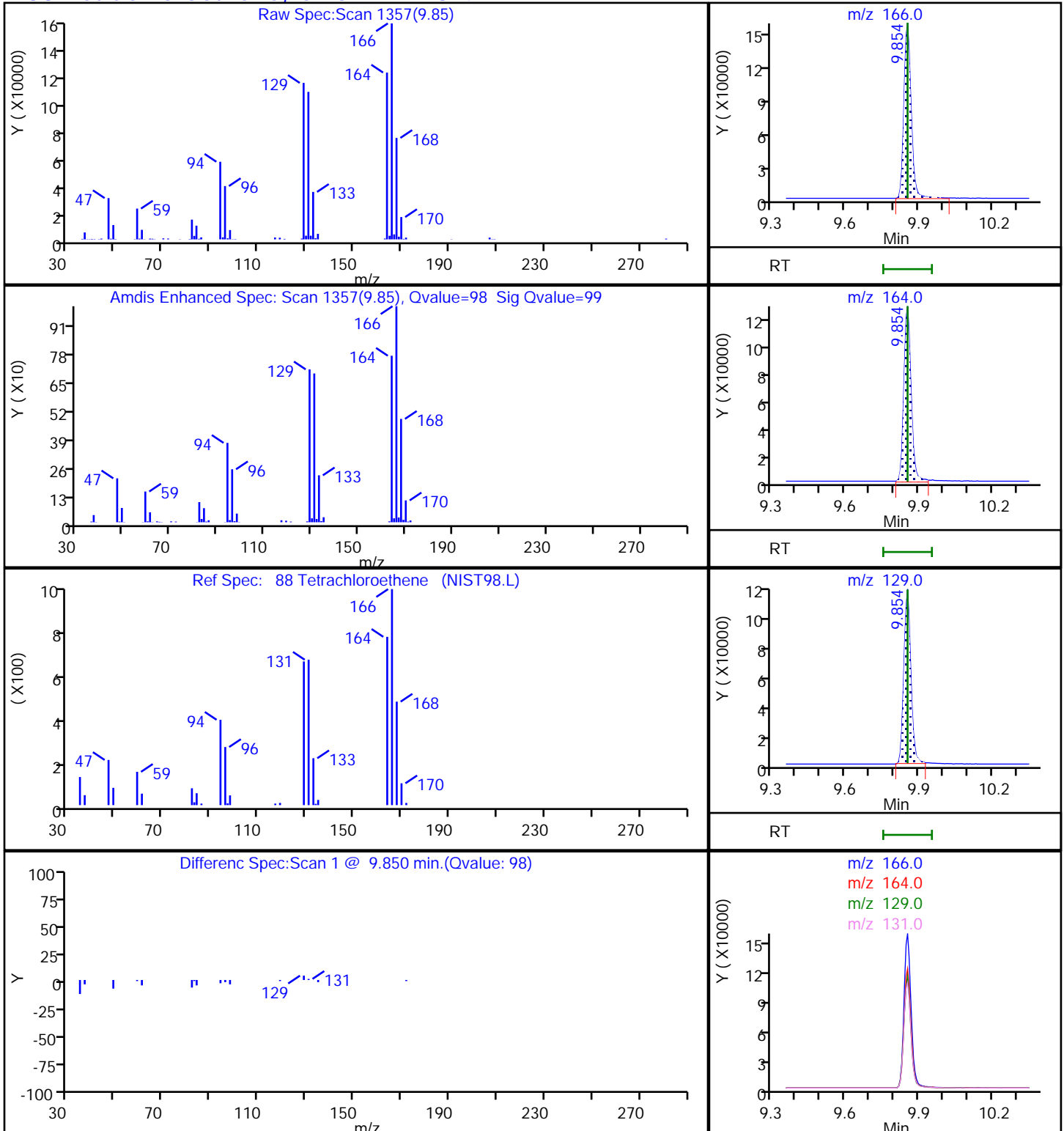
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

88 Tetrachloroethene, CAS: 127-18-4



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X09.D

Injection Date: 03-May-2023 23:48:30

Instrument ID: 10193

Lims ID: 410-124489-A-6

Lab Sample ID: 410-124489-6

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

Operator ID: gaw91131

ALS Bottle#: 9

Worklist Smp#: 11

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

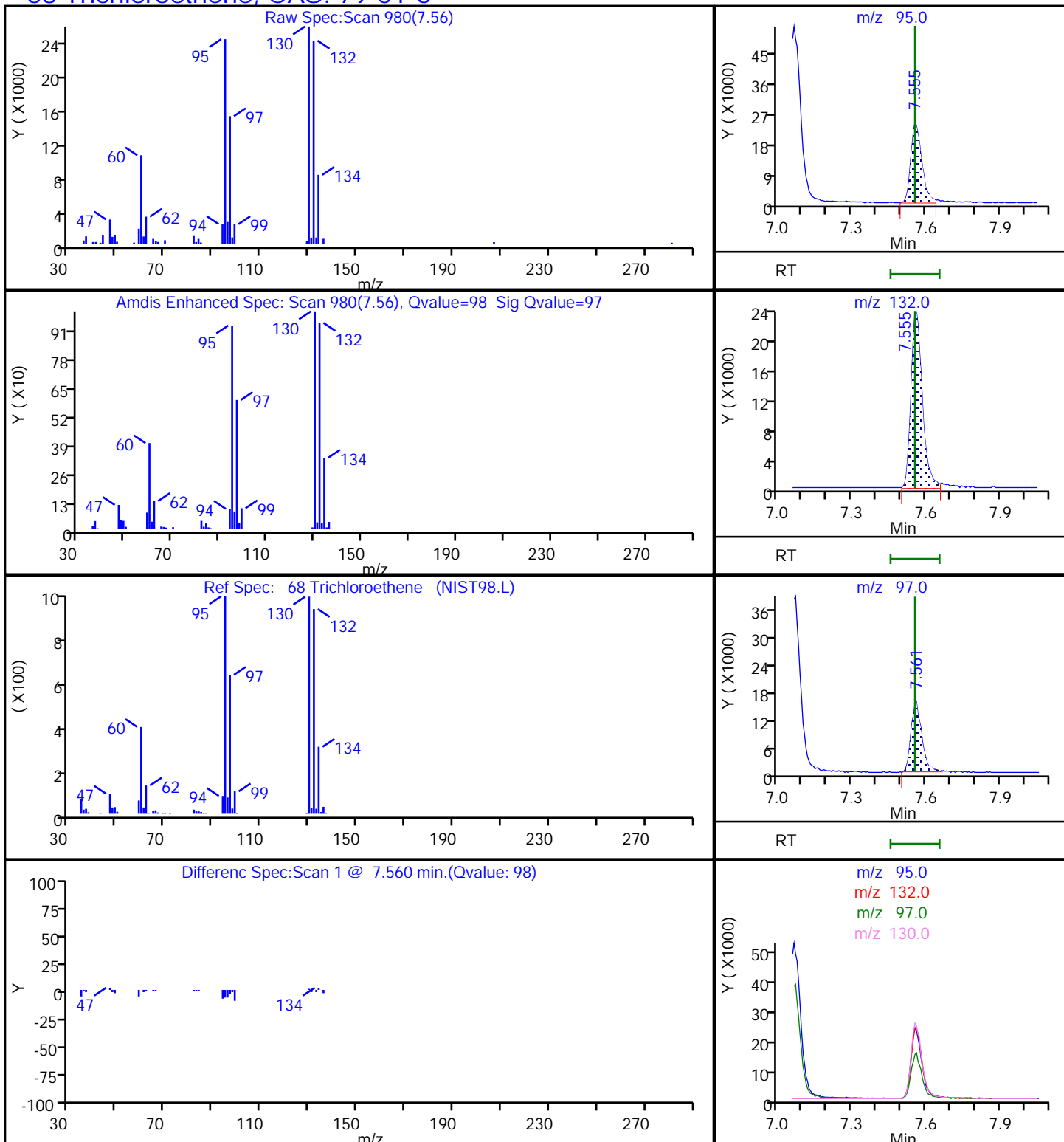
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

68 Trichloroethene, CAS: 79-01-6



Eurofins Lancaster Laboratories Environment Testing, LLC

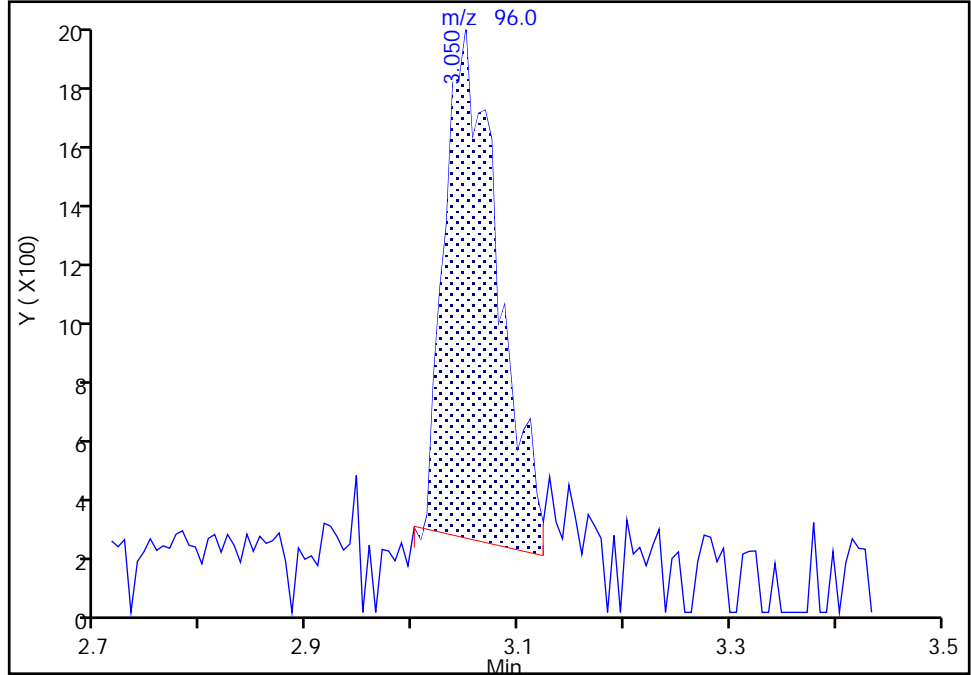
Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X09.D
Injection Date: 03-May-2023 23:48:30 Instrument ID: 10193
Lims ID: 410-124489-A-6 Lab Sample ID: 410-124489-6
Client ID: HD-COD-SW-15-0/1-0
Operator ID: gaw91131 ALS Bottle#: 9 Worklist Smp#: 11
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

18 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

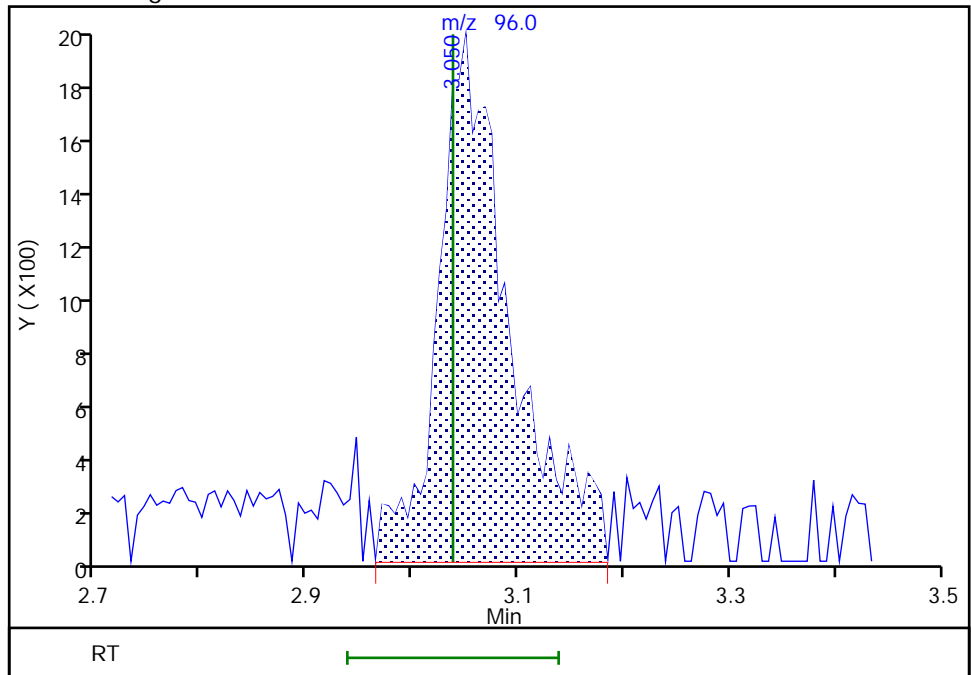
RT: 3.05
Area: 5857
Amount: 0.115871
Amount Units: ug/l

Processing Integration Results



RT: 3.05
Area: 8981
Amount: 0.177674
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-May-2023 15:21:25 -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.: 410-124489-1

SDG No.:

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

Lab Sample ID: 410-124489-7

Matrix: Water

Lab File ID: CY03X18.D

Analysis Method: 8260D

Date Collected: 04/27/2023 10:45

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 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.: 371870

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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	5.3		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	^c cn	0.50	0.10
75-15-0	Carbon disulfide	ND	^c cn	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	^c cn	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	0.11	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	0.10
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.83		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.: 410-124489-1

SDG No.:

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

Lab Sample ID: 410-124489-7

Matrix: Water

Lab File ID: CY03X18.D

Analysis Method: 8260D

Date Collected: 04/27/2023 10:45

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 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.: 371870

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)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
2037-26-5	Toluene-d8 (Surr)	108		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
 Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X18.D
 Lims ID: 410-124489-A-7
 Client ID: HD-COD-SW-16-0/1-0
 Sample Type: Client
 Inject. Date: 04-May-2023 03:08:30 ALS Bottle#: 18 Worklist Smp#: 20
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-020
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:42:54 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: DVW2 Date: 04-May-2023 15:32:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.898	1.892	0.006	97	7486	0.0860	
6 Vinyl chloride	62		1.983				ND	7
9 Bromomethane	94		2.270				ND	7
10 Chloroethane	64		2.331				ND	
18 1,1-Dichloroethene	96		3.038				ND	7
20 Acetone	43	3.074	3.074	0.000	99	37025	5.26	
25 Carbon disulfide	76	3.288	3.294	-0.006	7	5760	0.0330	M
30 Methylene Chloride	84		3.593				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.641	3.629	0.012	97	147636	50.0	
34 Methyl tert-butyl ether	73		3.940				ND	7
35 trans-1,2-Dichloroethene	96		3.946				ND	
37 1,1-Dichloroethane	63		4.574				ND	7
42 2-Butanone (MEK)	43		5.409				ND	U
43 cis-1,2-Dichloroethene	96	5.452	5.434	0.018	78	7449	0.1112	
48 Chlorobromomethane	128		5.769				ND	
50 Chloroform	83	5.946	5.934	0.012	91	6297	0.0568	
53 1,1,1-Trichloroethane	97	6.165	6.153	0.012	37	4934	0.0504	
\$ 54 Dibromofluoromethane (Surr)	113	6.159	6.153	0.006	94	490027	9.50	
56 Carbon tetrachloride	117		6.366				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.616	6.610	0.006	98	99232	9.76	
60 Benzene	78		6.641				ND	7
61 1,2-Dichloroethane	62		6.720				ND	
* 65 Fluorobenzene (IS)	96	7.061	7.061	0.000	99	1981180	10.0	
68 Trichloroethene	95	7.561	7.555	0.006	95	6425	0.0957	a
70 1,2-Dichloropropane	63		7.891				ND	
76 Dichlorobromomethane	83		8.250				ND	7
80 cis-1,3-Dichloropropene	75		8.829				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.037				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	93	2034688	10.8	
84 Toluene	92	9.250	9.250	0.000	97	7513	0.0516	
85 trans-1,3-Dichloropropene	75		9.555				ND	
87 1,1,2-Trichloroethane	97		9.768				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166	9.854	9.854	0.000	98	56981	0.8296	
106 2-Hexanone	43		10.018				ND	7
108 Chlorodibromomethane	129		10.171				ND	
110 Ethylene Dibromide	107		10.280				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.744	0.000	85	1579623	10.0	
113 Chlorobenzene	112		10.768				ND	
114 1,1,1,2-Tetrachloroethane	131		10.860				ND	
115 Ethylbenzene	91		10.866				ND	7
116 m-Xylene & p-Xylene	106		10.988				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.329				ND	7
119 Styrene	104		11.347				ND	7
120 Bromoform	173		11.506				ND	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	93	768122	9.53	
126 1,1,2,2-Tetrachloroethane	83		11.908				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.701	12.695	0.005	94	931714	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00069

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X18.D

Injection Date: 04-May-2023 03:08:30

Instrument ID: 10193

Operator ID: gaw91131

Lims ID: 410-124489-A-7

Lab Sample ID: 410-124489-7

Worklist Smp#: 20

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

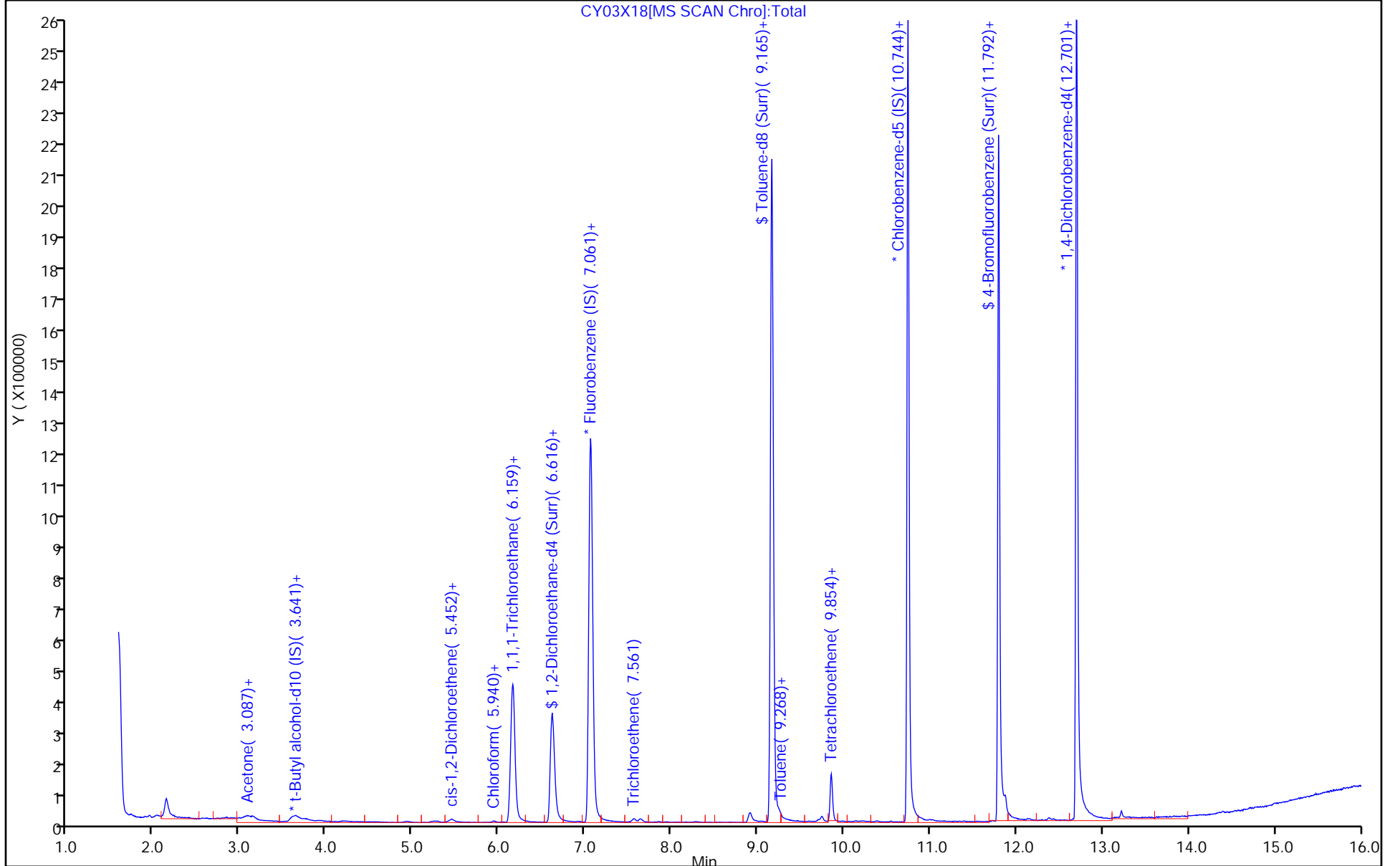
ALS Bottle#: 18

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\20230503-83144.b\CY03X18.D
 Lims ID: 410-124489-A-7
 Client ID: HD-COD-SW-16-0/1-0
 Sample Type: Client
 Inject. Date: 04-May-2023 03:08:30 ALS Bottle#: 18 Worklist Smp#: 20
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-020
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:42:54 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: DVW2

Date: 04-May-2023 15:32:33

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	9.50	94.97
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.76	97.58
\$ 83 Toluene-d8 (Surr)	10.0	10.8	107.84
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.53	95.26

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X18.D

Injection Date: 04-May-2023 03:08:30

Instrument ID: 10193

Lims ID: 410-124489-A-7

Lab Sample ID: 410-124489-7

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

Operator ID: gaw91131

ALS Bottle#: 18

Worklist Smp#: 20

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

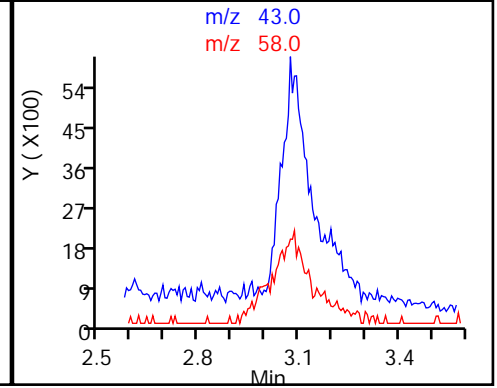
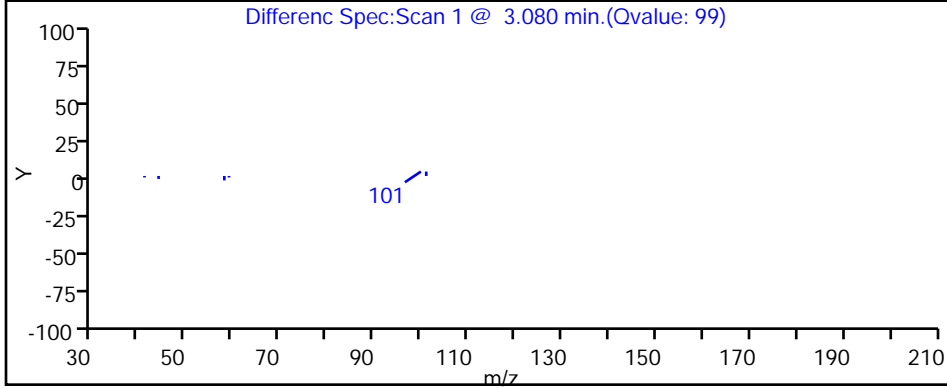
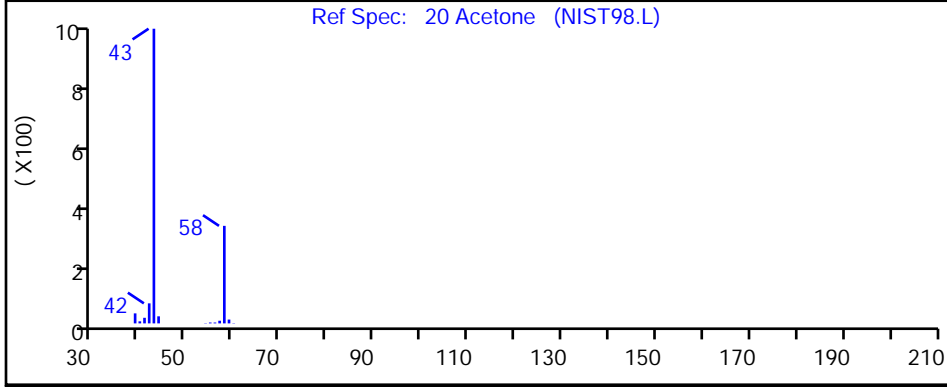
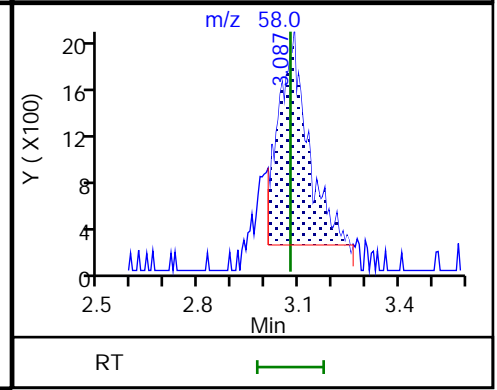
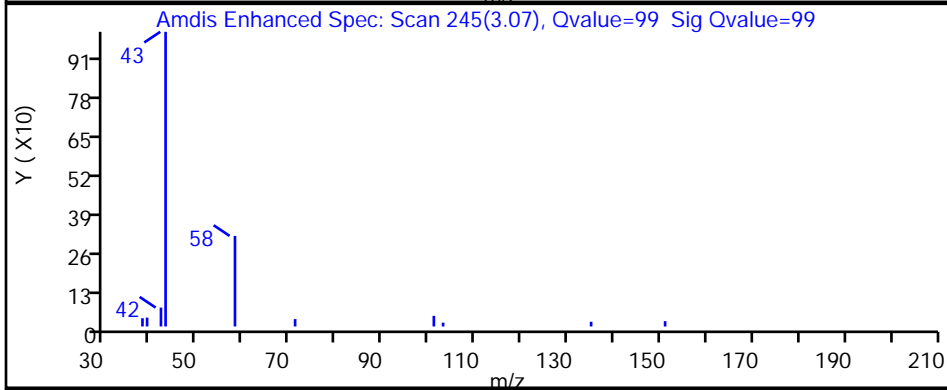
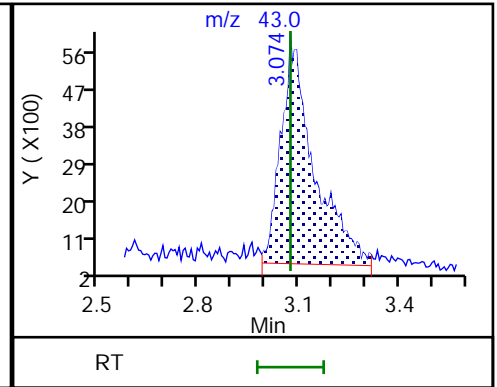
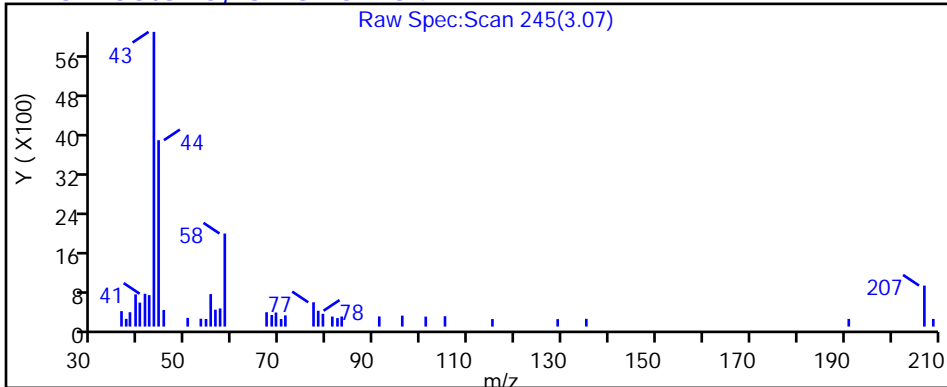
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

20 Acetone, CAS: 67-64-1



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X18.D

Injection Date: 04-May-2023 03:08:30

Instrument ID: 10193

Lims ID: 410-124489-A-7

Lab Sample ID: 410-124489-7

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

Operator ID: gaw91131

ALS Bottle#: 18

Worklist Smp#: 20

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

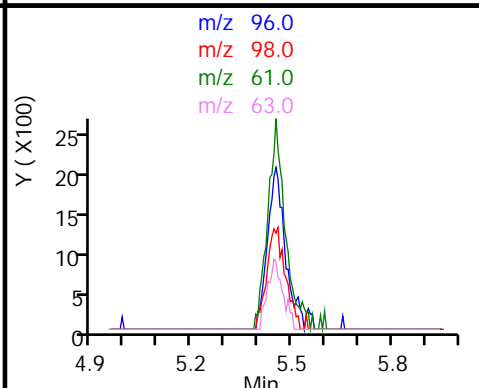
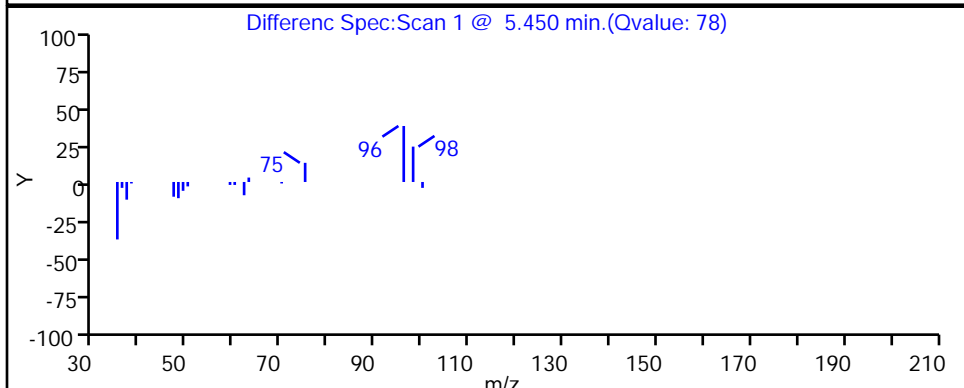
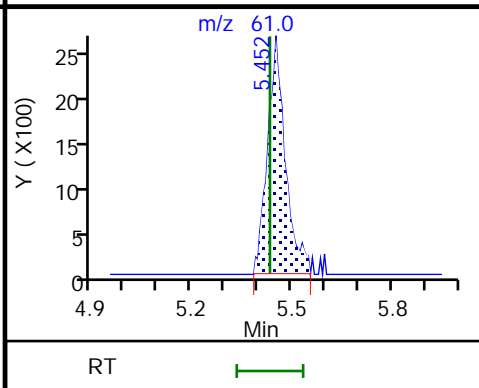
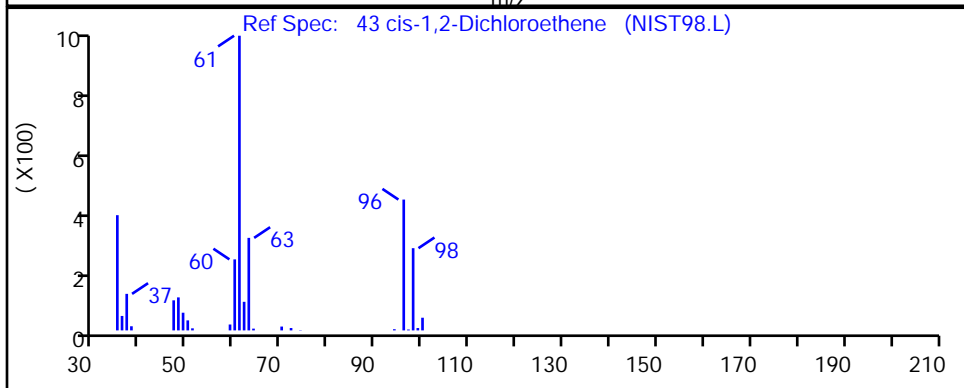
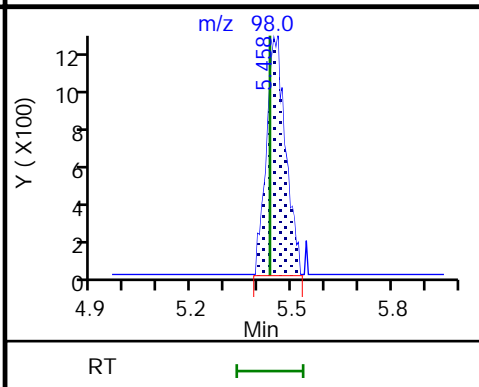
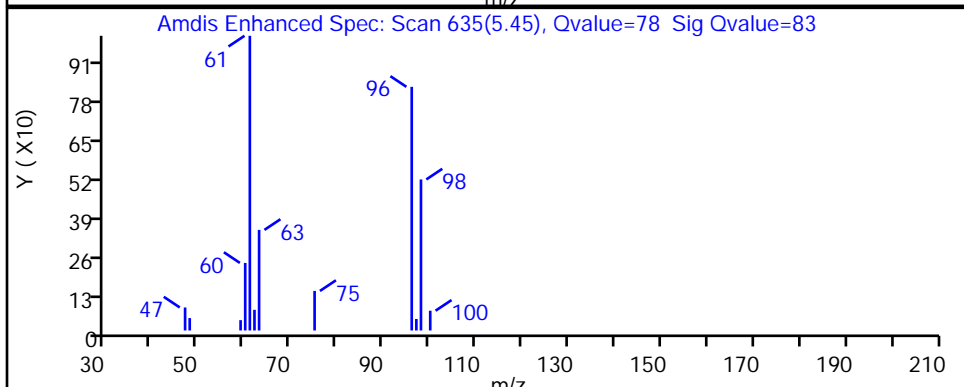
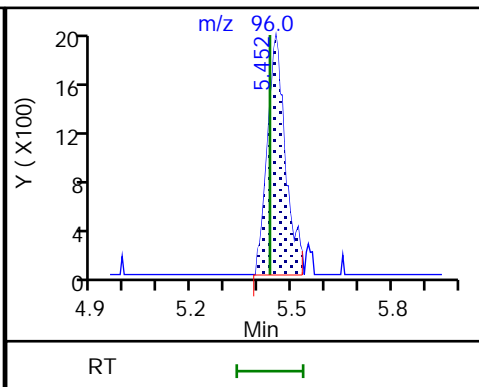
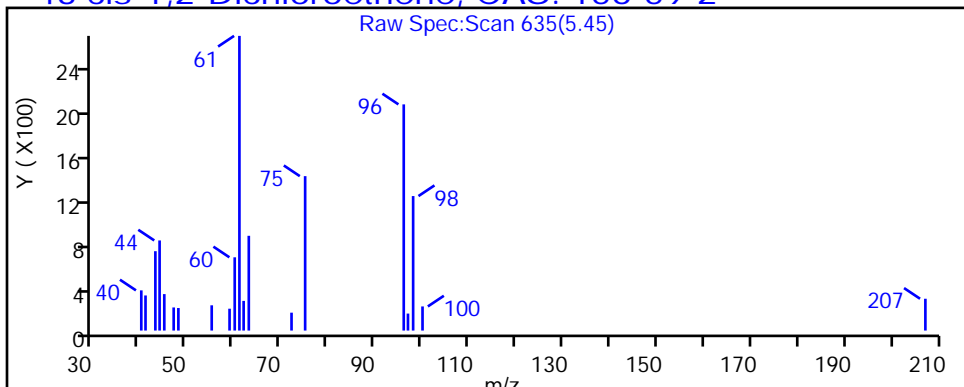
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X18.D

Injection Date: 04-May-2023 03:08:30

Instrument ID: 10193

Lims ID: 410-124489-A-7

Lab Sample ID: 410-124489-7

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

Operator ID: gaw91131

ALS Bottle#: 18

Worklist Smp#: 20

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

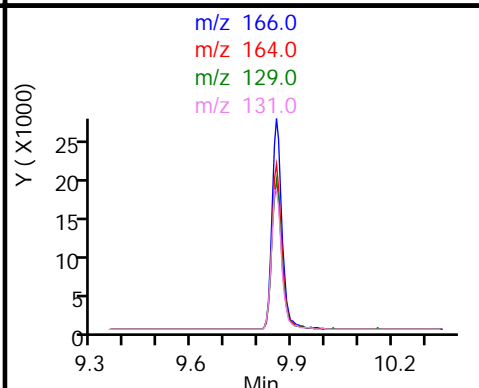
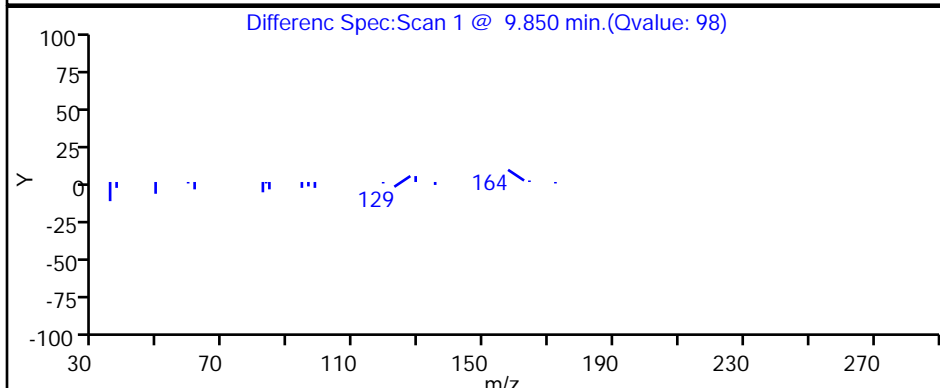
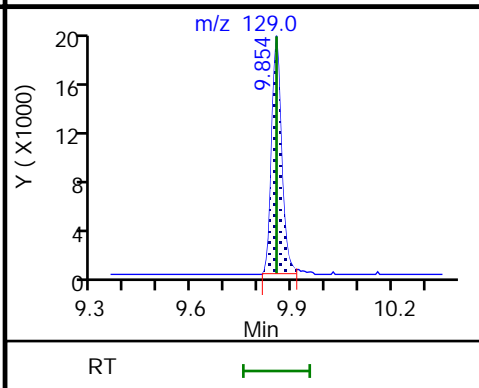
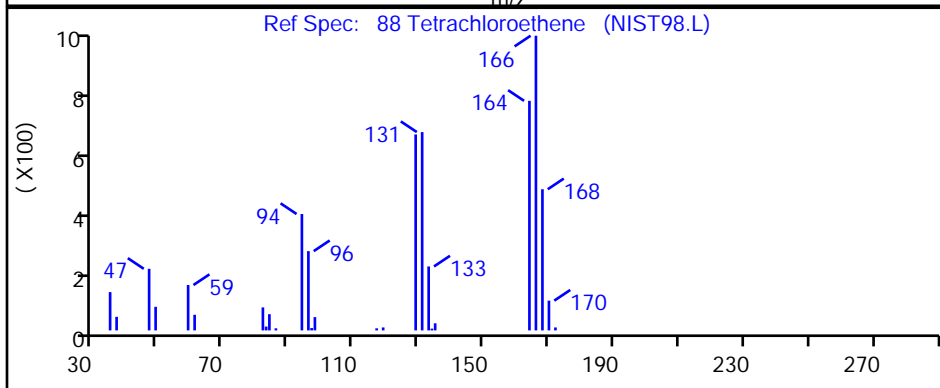
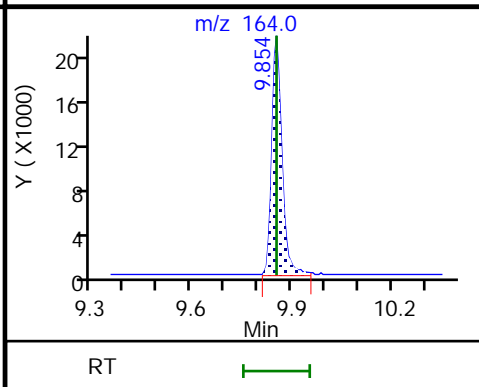
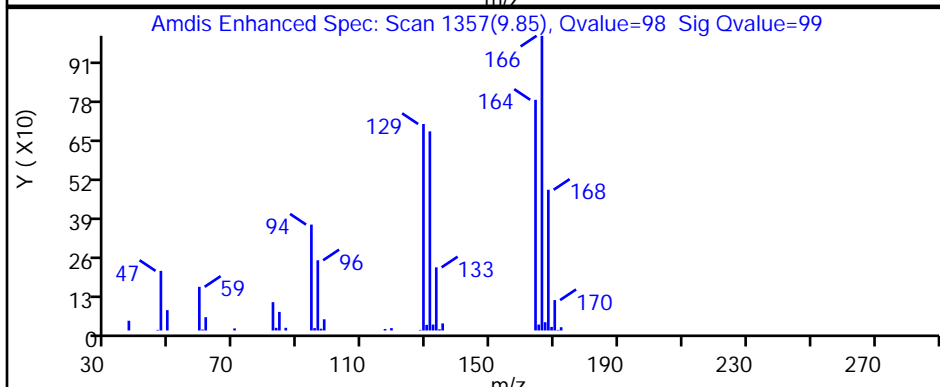
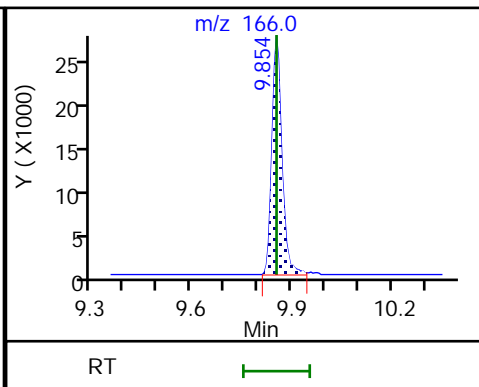
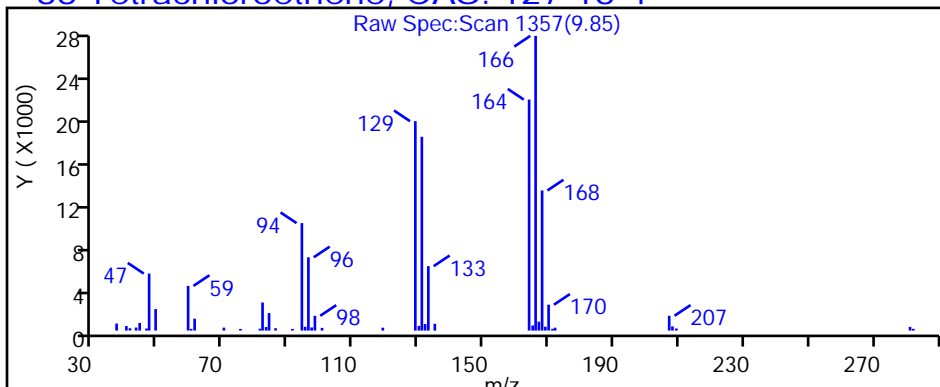
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

88 Tetrachloroethene, CAS: 127-18-4



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X18.D

Injection Date: 04-May-2023 03:08:30

Instrument ID: 10193

Lims ID: 410-124489-A-7

Lab Sample ID: 410-124489-7

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

Operator ID: gaw91131

ALS Bottle#: 18

Worklist Smp#: 20

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

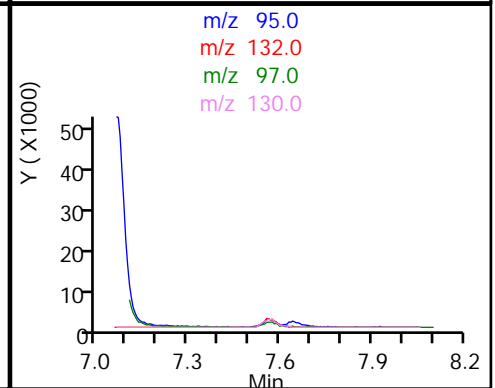
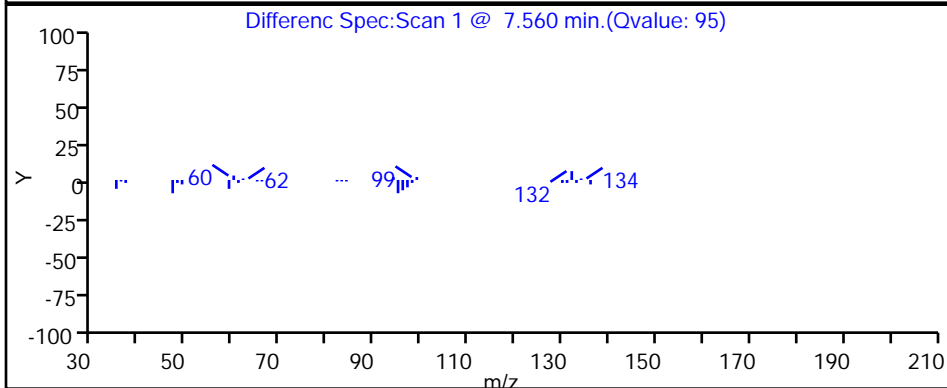
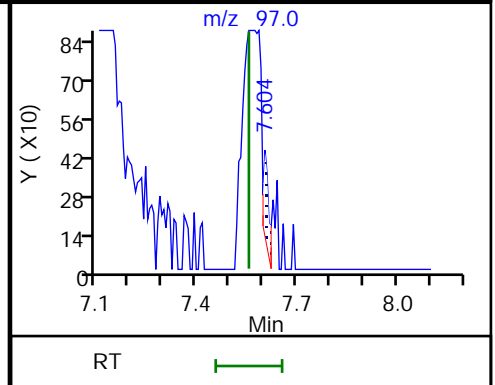
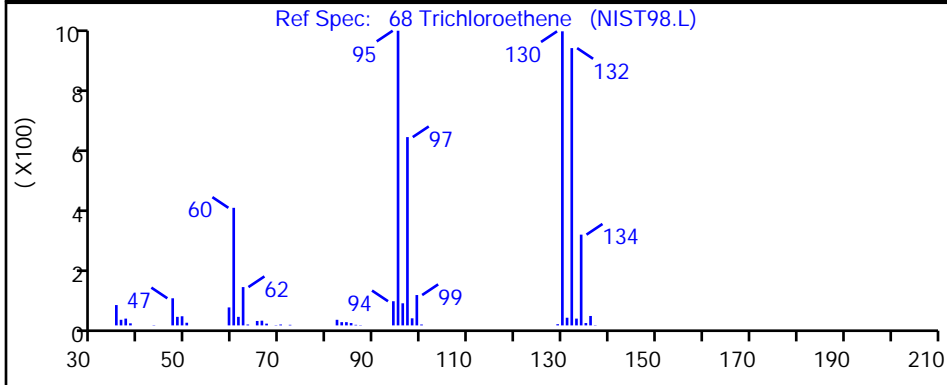
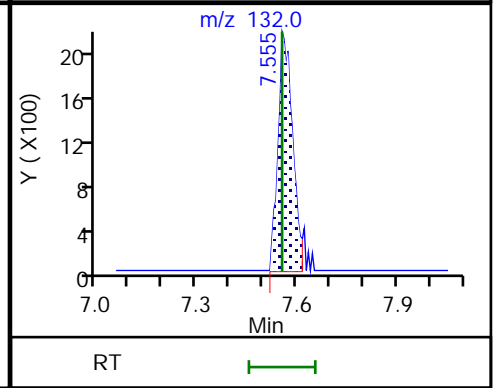
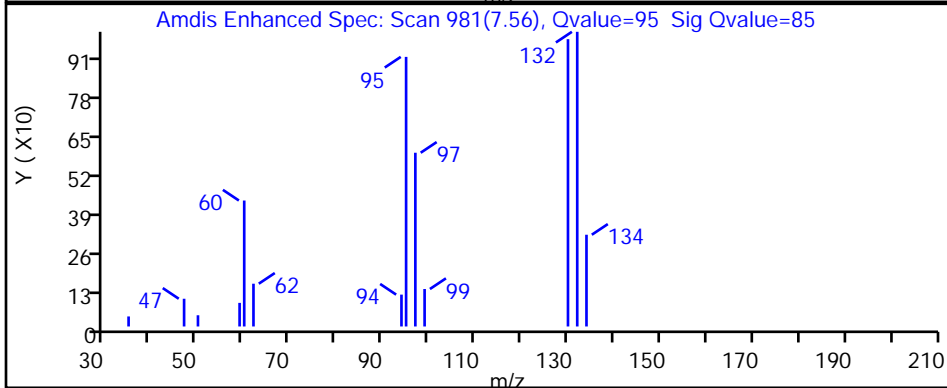
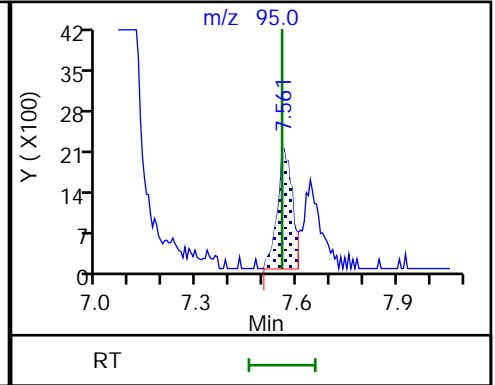
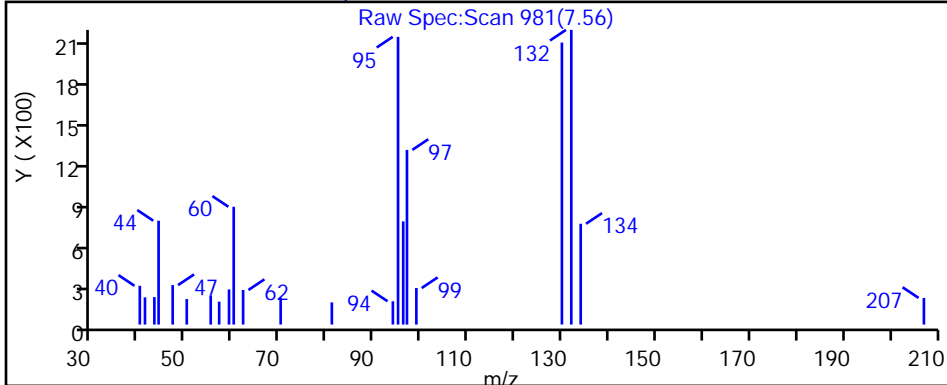
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

68 Trichloroethene, CAS: 79-01-6

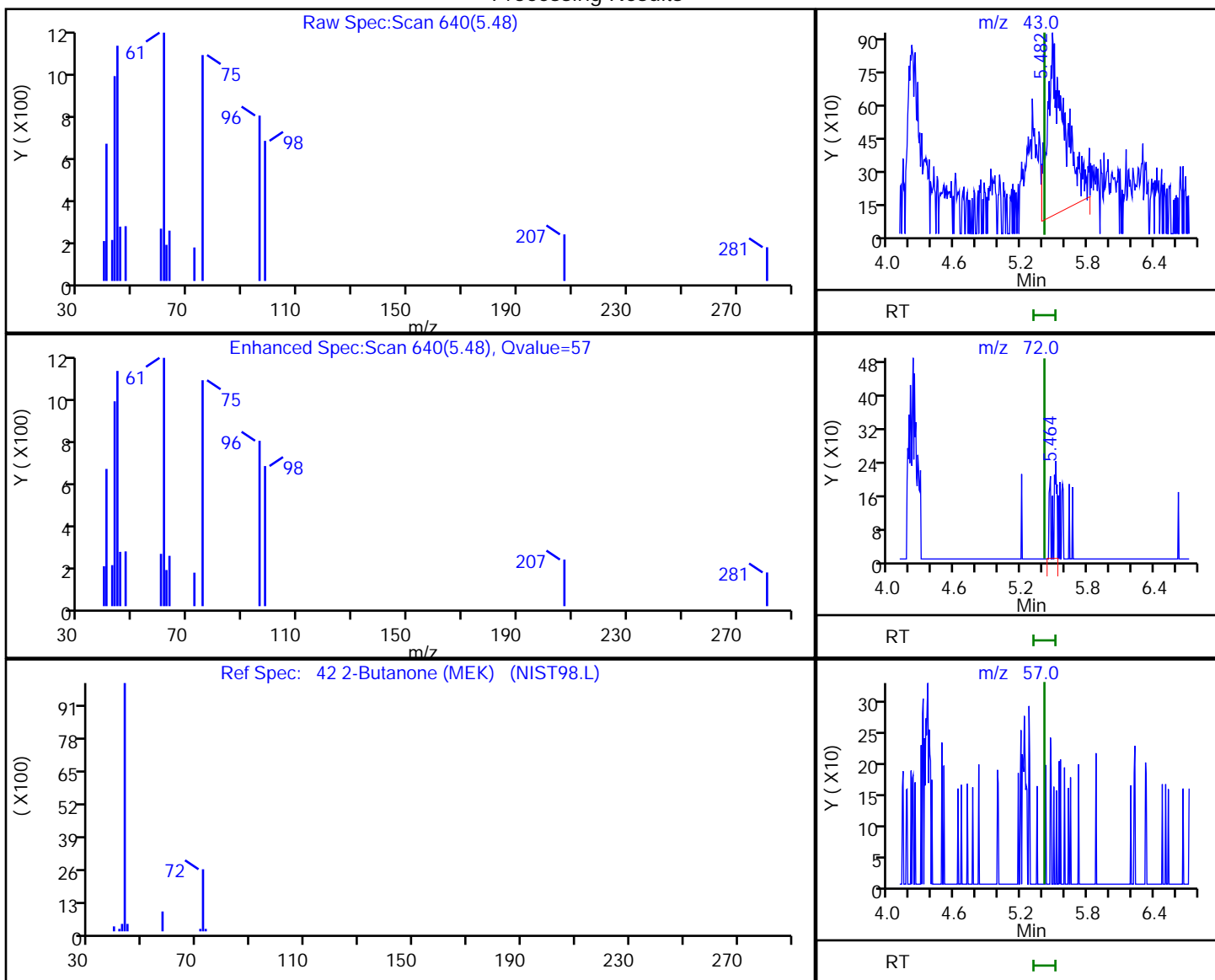


Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X18.D
 Injection Date: 04-May-2023 03:08:30 Instrument ID: 10193
 Lims ID: 410-124489-A-7 Lab Sample ID: 410-124489-7
 Client ID: HD-COD-SW-16-0/1-0
 Operator ID: gaw91131 ALS Bottle#: 18 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 ID) Detector: MS Quad

42 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
5.48	43.00	8736	0.626470
5.46	72.00	595	
5.41	57.00	0	

Reviewer: DVW2, 04-May-2023 15:32:07 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

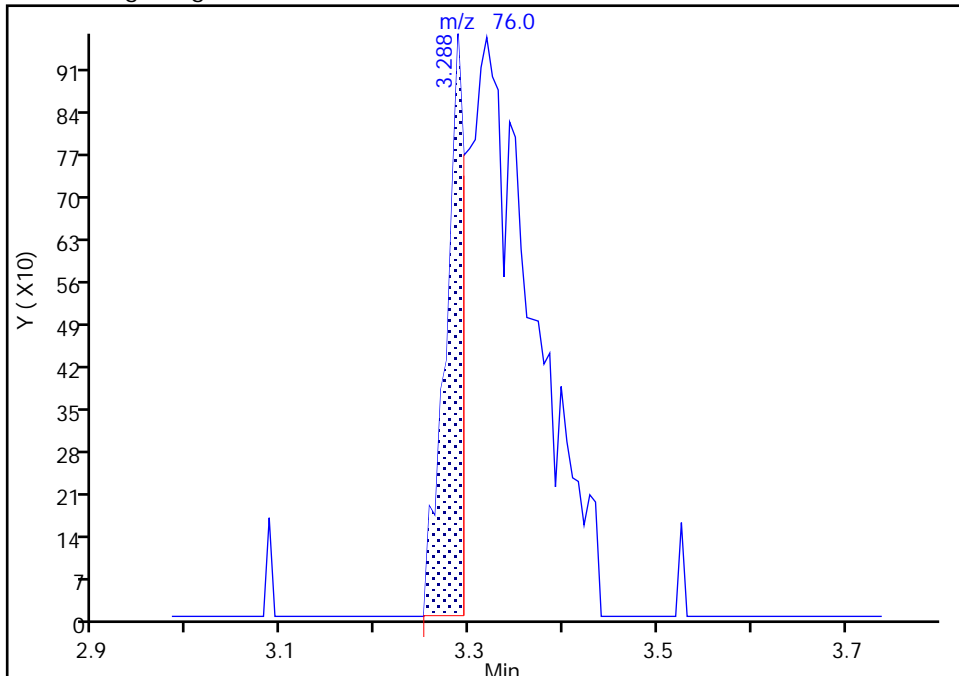
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Injection Date: 04-May-2023 03:08:30 Instrument ID: 10193
Lims ID: 410-124489-A-7 Lab Sample ID: 410-124489-7
Client ID: HD-COD-SW-16-0/1-0
Operator ID: gaw91131 ALS Bottle#: 18 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

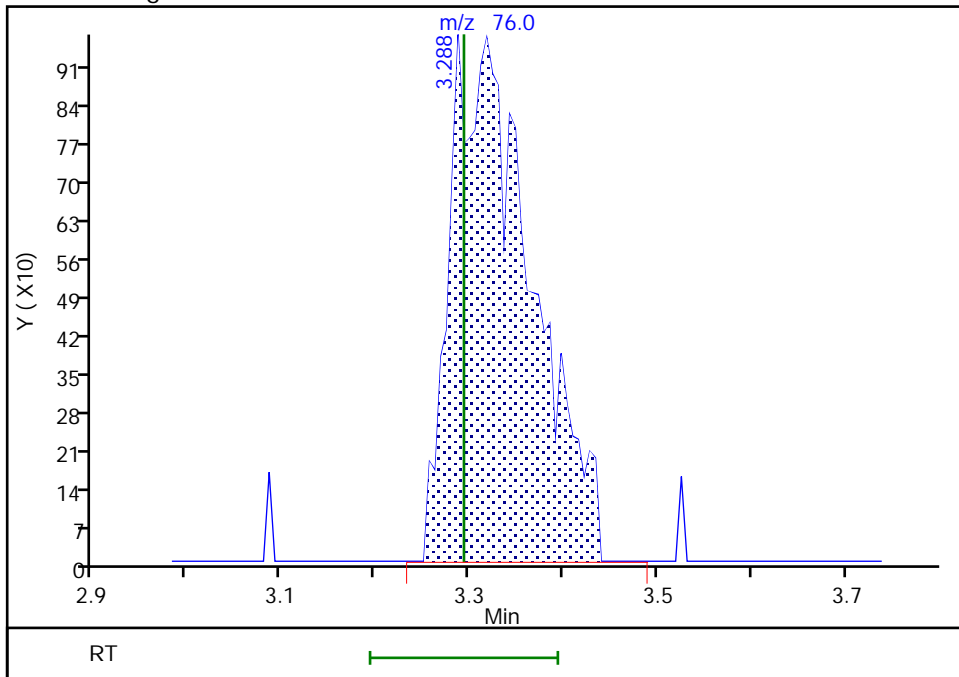
RT: 3.29
Area: 1310
Amount: 0.007515
Amount Units: ug/l

Processing Integration Results



RT: 3.29
Area: 5760
Amount: 0.033044
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-May-2023 15:31:58 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

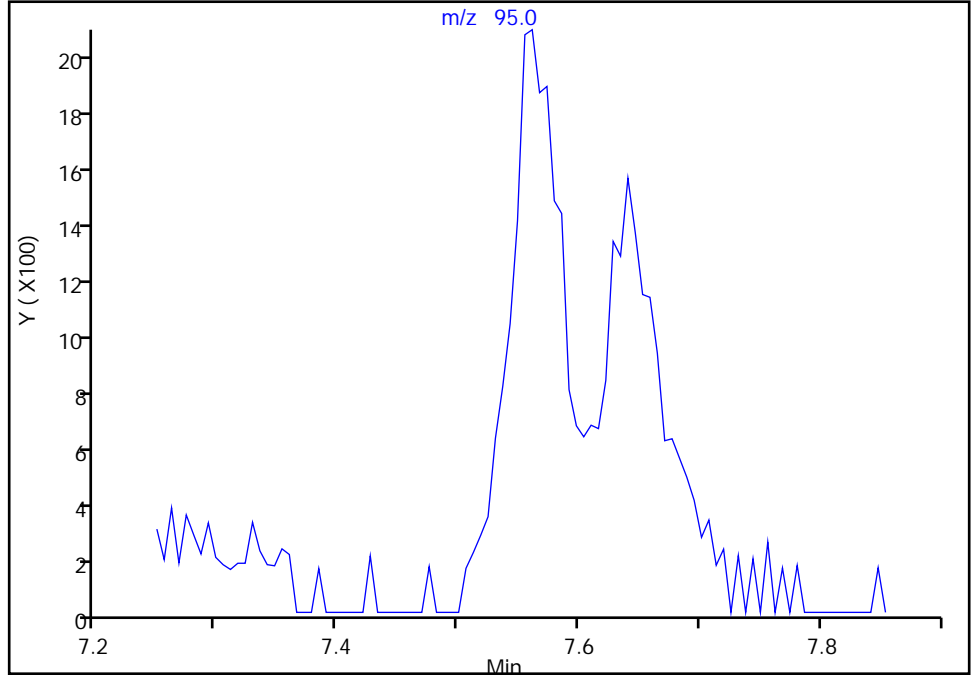
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Injection Date: 04-May-2023 03:08:30 Instrument ID: 10193
Lims ID: 410-124489-A-7 Lab Sample ID: 410-124489-7
Client ID: HD-COD-SW-16-0/1-0
Operator ID: gaw91131 ALS Bottle#: 18 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 Trichloroethene, CAS: 79-01-6

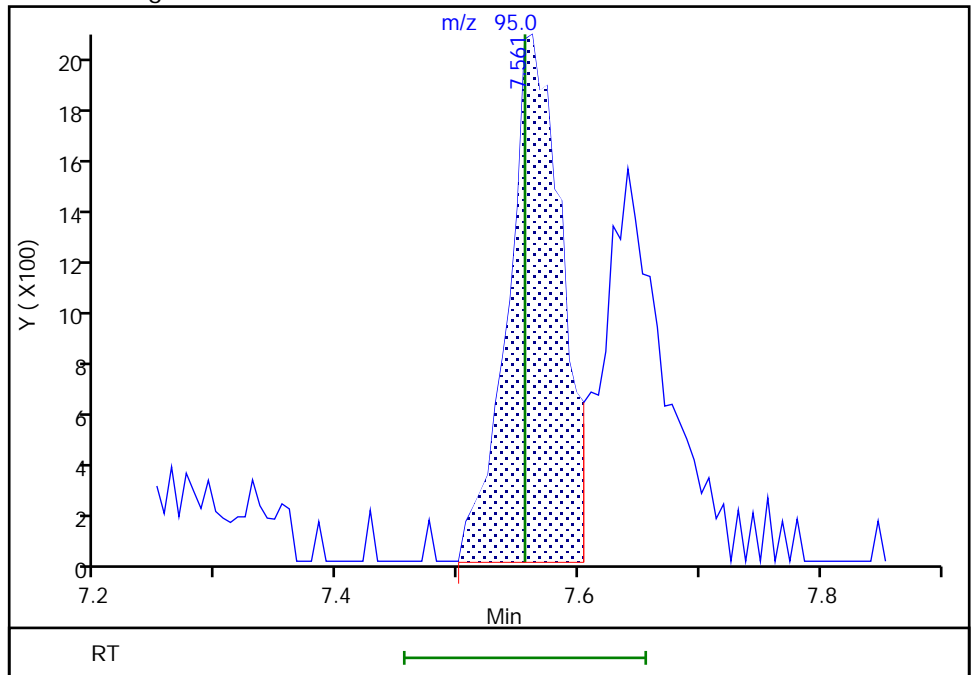
Signal: 1

Not Detected
Expected RT: 7.56

Processing Integration Results



Manual Integration Results



RT: 7.56
Area: 6425
Amount: 0.095695
Amount Units: ug/l

Reviewer: DVW2, 04-May-2023 15:32:20 -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.: 410-124489-1

SDG No.:

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

Lab Sample ID: 410-124489-8

Matrix: Water

Lab File ID: CY03X19.D

Analysis Method: 8260D

Date Collected: 04/27/2023 10:55

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 03:31

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 371870

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	3.6		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	0.78		0.50	0.10
75-35-4	1,1-Dichloroethene	0.38	J	0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	1.7	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	^c cn	0.50	0.10
75-15-0	Carbon disulfide	ND	^c cn	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	^c cn	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	2.1		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.10
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.: 410-124489-1

SDG No.:

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

Lab Sample ID: 410-124489-8

Matrix: Water

Lab File ID: CY03X19.D

Analysis Method: 8260D

Date Collected: 04/27/2023 10:55

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 03:31

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 371870

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	2.3		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
2037-26-5	Toluene-d8 (Surr)	108		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X19.D
 Lims ID: 410-124489-A-8
 Client ID: HD-COD-SW-17-0/1-0
 Sample Type: Client
 Inject. Date: 04-May-2023 03:31:30 ALS Bottle#: 19 Worklist Smp#: 21
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-021
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:42:54 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: DVW2 Date: 04-May-2023 15:33:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.898	1.892	0.006	98	6367	0.0725	
6 Vinyl chloride	62		1.983				ND	7
9 Bromomethane	94		2.270				ND	7
10 Chloroethane	64		2.331				ND	
18 1,1-Dichloroethene	96	3.062	3.038	0.024	99	19391	0.3836	
20 Acetone	43	3.087	3.074	0.012	61	12516	1.73	
25 Carbon disulfide	76		3.294				ND	MU
30 Methylene Chloride	84		3.593				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.647	3.629	0.018	96	152062	50.0	
34 Methyl tert-butyl ether	73	3.952	3.940	0.012	82	4844	0.0277	
35 trans-1,2-Dichloroethene	96	3.958	3.946	0.012	92	2261	0.0366	
37 1,1-Dichloroethane	63	4.592	4.574	0.018	96	86826	0.7761	
42 2-Butanone (MEK)	43		5.409				ND	
43 cis-1,2-Dichloroethene	96	5.446	5.434	0.012	79	142837	2.11	
48 Chlorobromomethane	128		5.769				ND	
50 Chloroform	83	5.940	5.934	0.006	93	19018	0.1700	
53 1,1,1-Trichloroethane	97	6.159	6.153	0.006	98	359070	3.64	
\$ 54 Dibromofluoromethane (Surr)	113	6.159	6.153	0.006	94	493652	9.49	
56 Carbon tetrachloride	117		6.366				ND	7
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.616	6.610	0.006	99	99070	9.66	
60 Benzene	78		6.641				ND	7
61 1,2-Dichloroethane	62		6.720				ND	
* 65 Fluorobenzene (IS)	96	7.067	7.061	0.006	99	1998073	10.0	
68 Trichloroethene	95	7.555	7.555	0.000	98	156830	2.32	
70 1,2-Dichloropropane	63		7.891				ND	
76 Dichlorobromomethane	83		8.250				ND	7
80 cis-1,3-Dichloropropene	75		8.829				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.037				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	93	2055282	10.8	
84 Toluene	92		9.250				ND	7
85 trans-1,3-Dichloropropene	75		9.555				ND	
87 1,1,2-Trichloroethane	97		9.768				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166	9.853	9.854	-0.001	98	4010341	57.8	E
106 2-Hexanone	43		10.018				ND	7
108 Chlorodibromomethane	129		10.171				ND	
110 Ethylene Dibromide	107		10.280				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.744	0.000	85	1594740	10.0	
113 Chlorobenzene	112		10.768				ND	
114 1,1,1,2-Tetrachloroethane	131		10.860				ND	7
115 Ethylbenzene	91		10.866				ND	7
116 m-Xylene & p-Xylene	106		10.988				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.329				ND	7
119 Styrene	104		11.347				ND	7
120 Bromoform	173		11.506				ND	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	93	766210	9.41	
126 1,1,2,2-Tetrachloroethane	83		11.908				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.700	12.695	0.005	94	930400	10.0	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

MSV_HP25_ISSS_00069

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X19.D

Injection Date: 04-May-2023 03:31:30

Instrument ID: 10193

Operator ID: gaw91131

Lims ID: 410-124489-A-8

Lab Sample ID: 410-124489-8

Worklist Smp#: 21

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

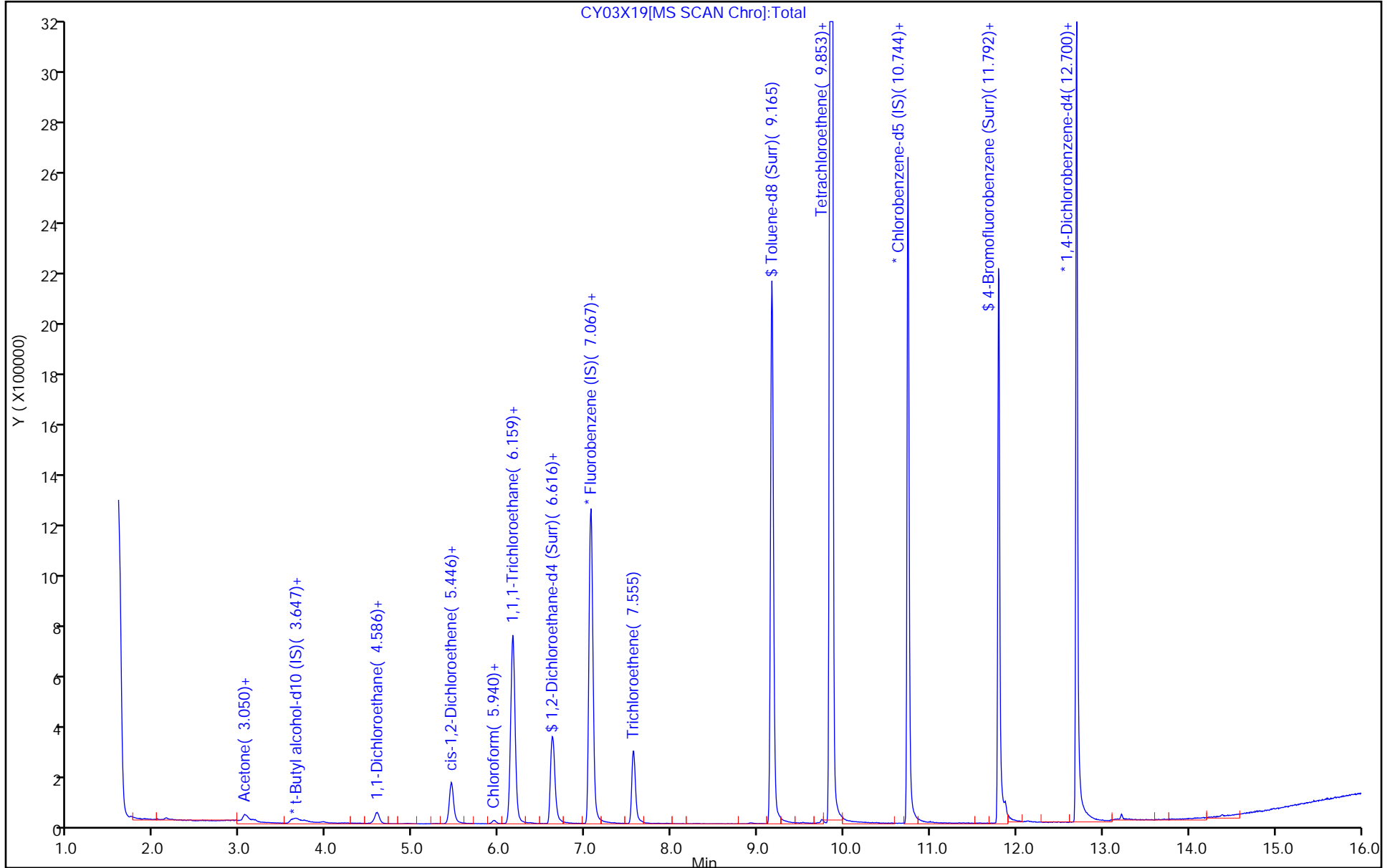
ALS Bottle#: 19

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\20230503-83144.b\CY03X19.D
 Lims ID: 410-124489-A-8
 Client ID: HD-COD-SW-17-0/1-0
 Sample Type: Client
 Inject. Date: 04-May-2023 03:31:30 ALS Bottle#: 19 Worklist Smp#: 21
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-021
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:42:54 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: DVW2

Date: 04-May-2023 15:33:27

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	9.49	94.87
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.66	96.60
\$ 83 Toluene-d8 (Surr)	10.0	10.8	107.90
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.41	94.12

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X19.D

Injection Date: 04-May-2023 03:31:30

Instrument ID: 10193

Lims ID: 410-124489-A-8

Lab Sample ID: 410-124489-8

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

Operator ID: gaw91131

ALS Bottle#: 19

Worklist Smp#: 21

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

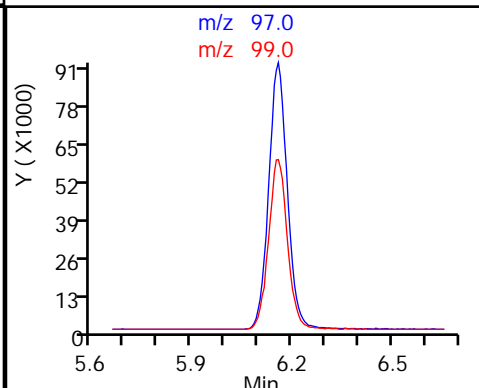
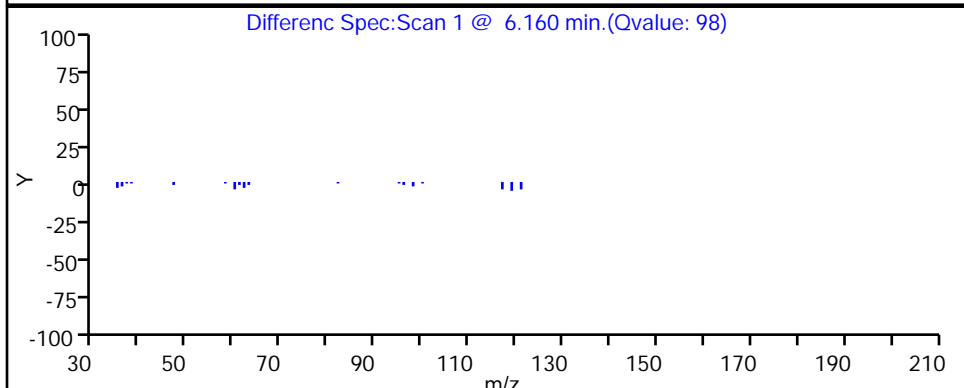
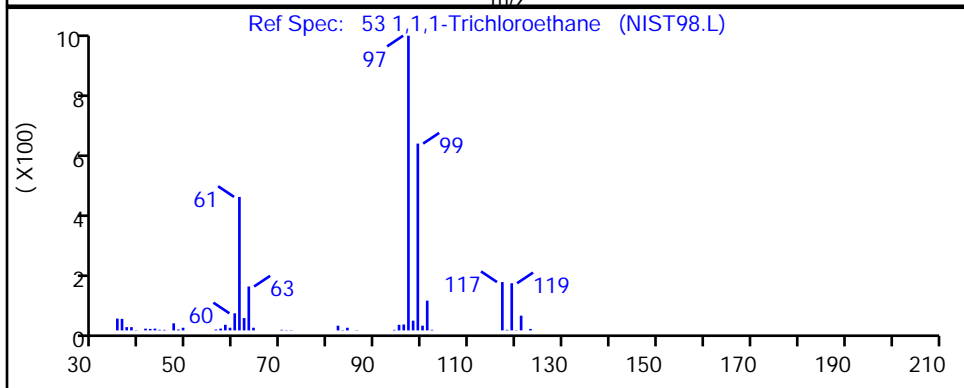
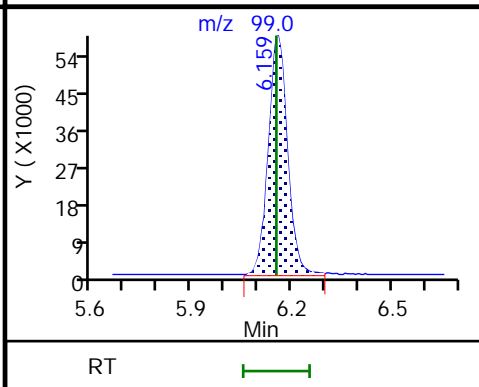
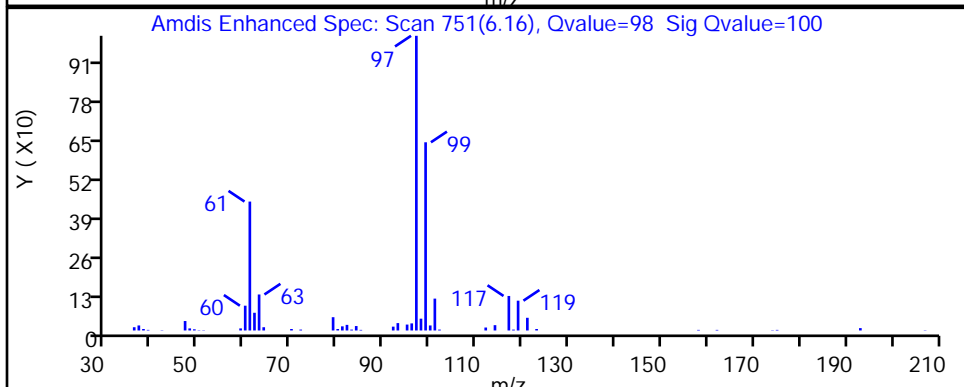
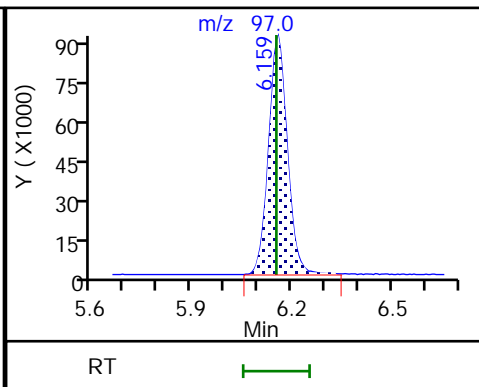
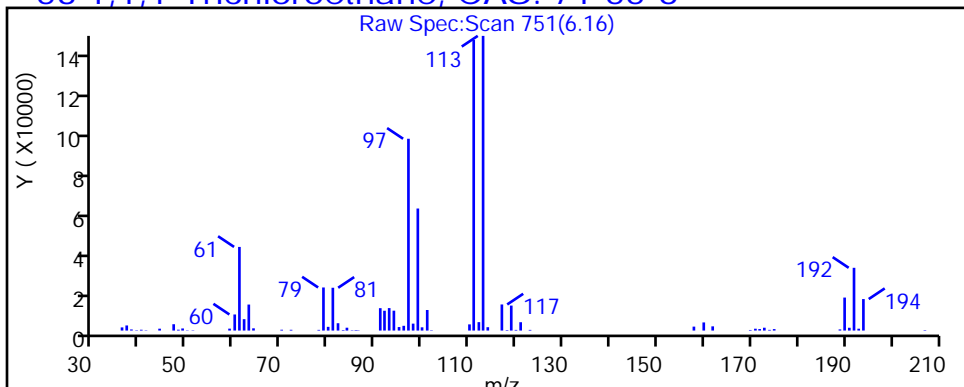
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X19.D

Injection Date: 04-May-2023 03:31:30

Instrument ID: 10193

Lims ID: 410-124489-A-8

Lab Sample ID: 410-124489-8

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

Operator ID: gaw91131

ALS Bottle#: 19

Worklist Smp#: 21

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

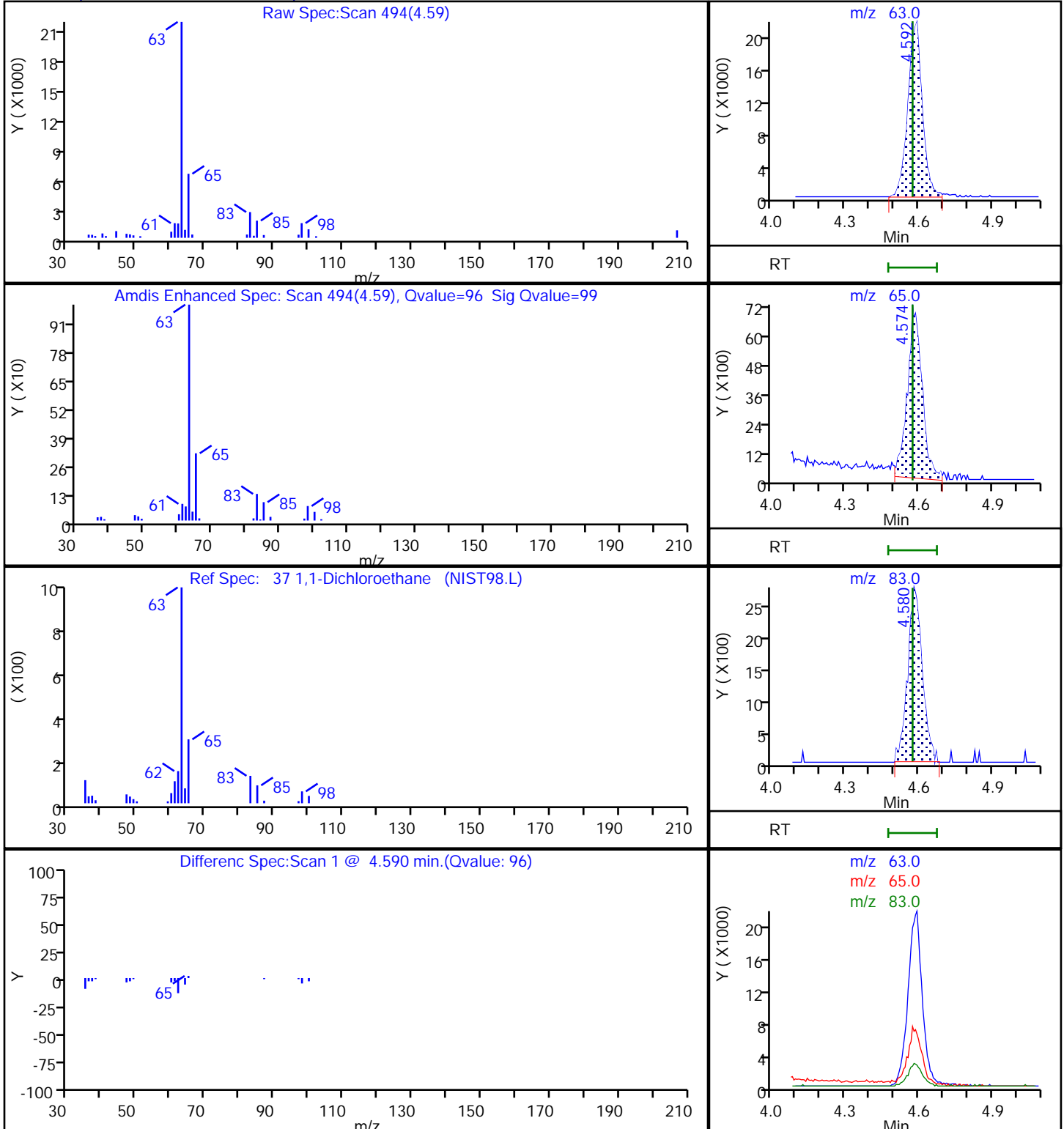
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X19.D

Injection Date: 04-May-2023 03:31:30

Instrument ID: 10193

Lims ID: 410-124489-A-8

Lab Sample ID: 410-124489-8

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

Operator ID: gaw91131

ALS Bottle#: 19

Worklist Smp#: 21

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

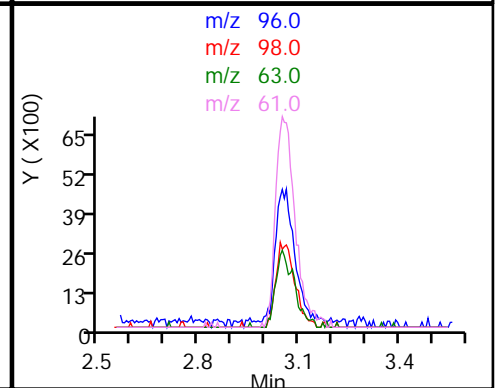
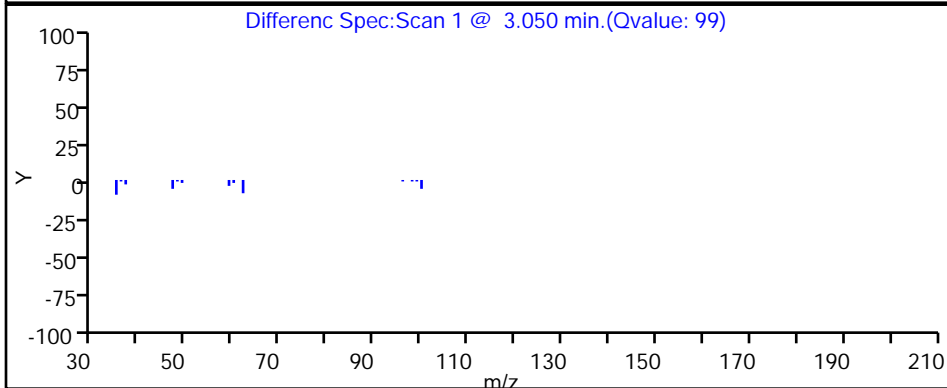
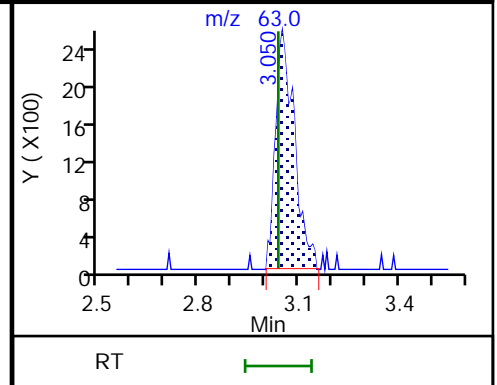
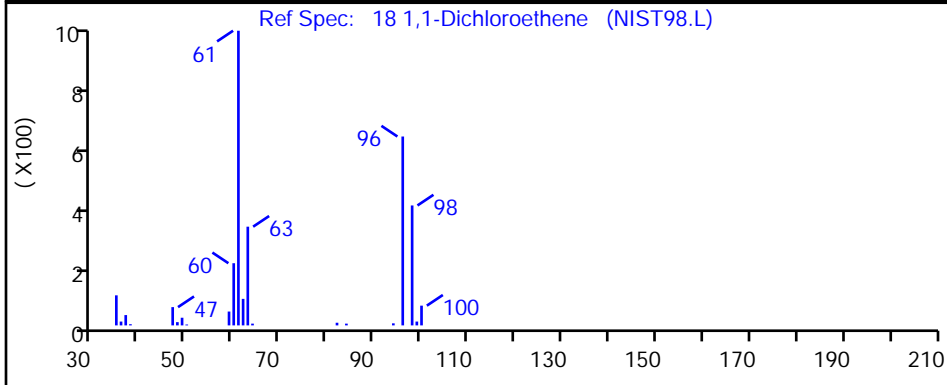
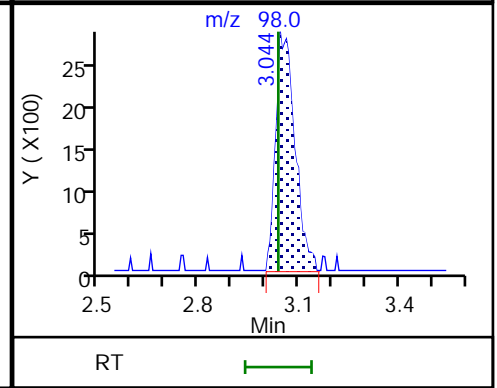
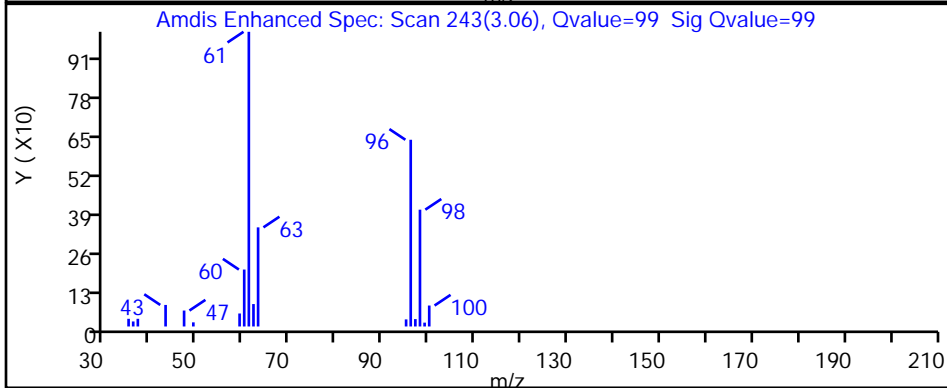
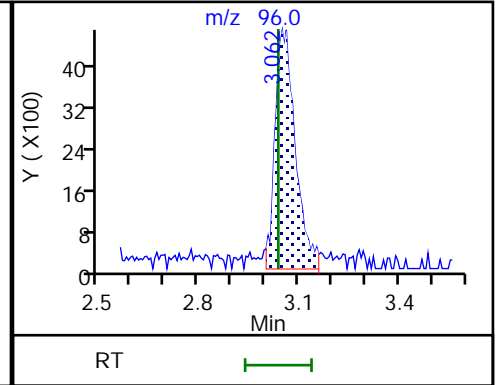
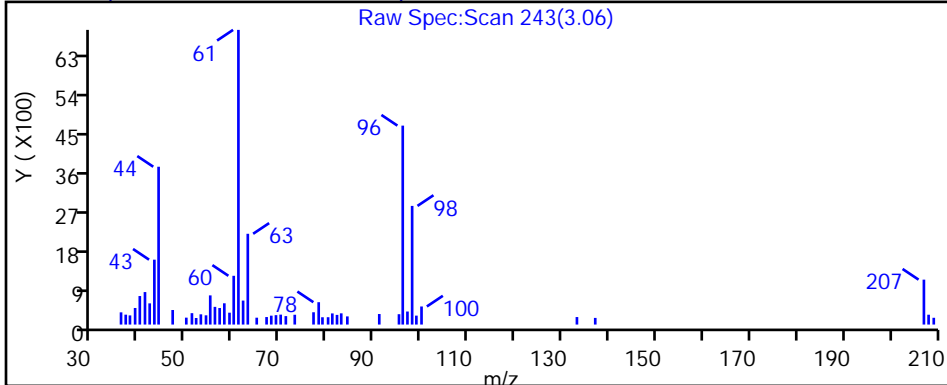
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

18 1,1-Dichloroethene, CAS: 75-35-4



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X19.D

Injection Date: 04-May-2023 03:31:30

Instrument ID: 10193

Lims ID: 410-124489-A-8

Lab Sample ID: 410-124489-8

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

Operator ID: gaw91131

ALS Bottle#: 19

Worklist Smp#: 21

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

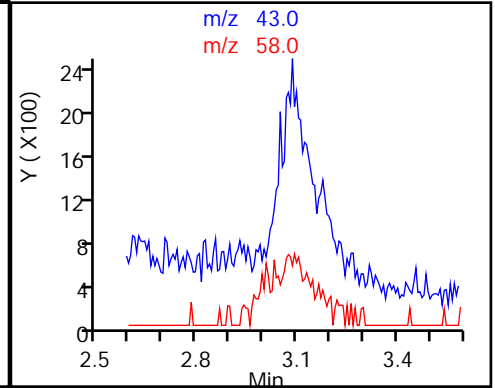
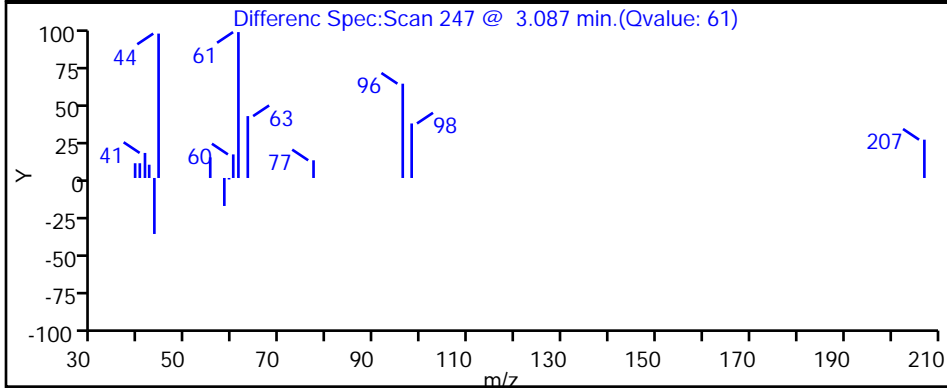
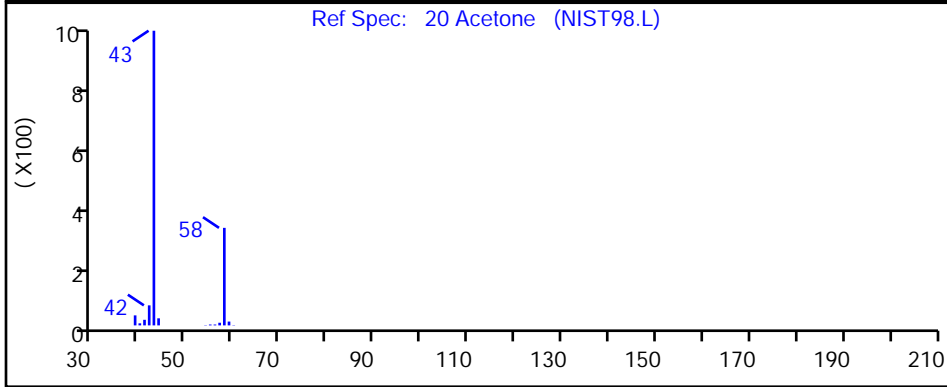
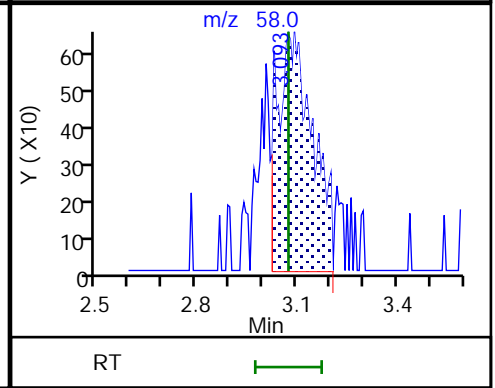
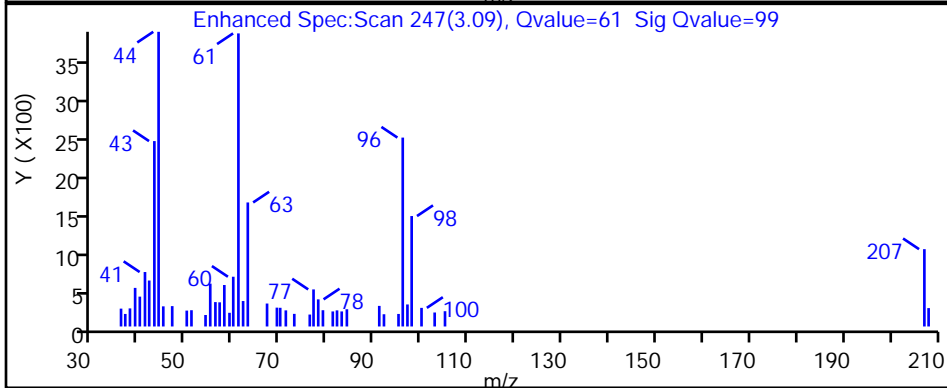
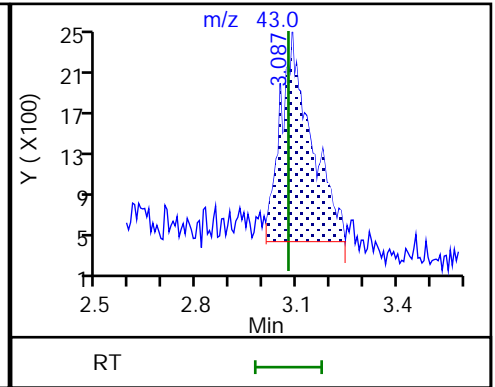
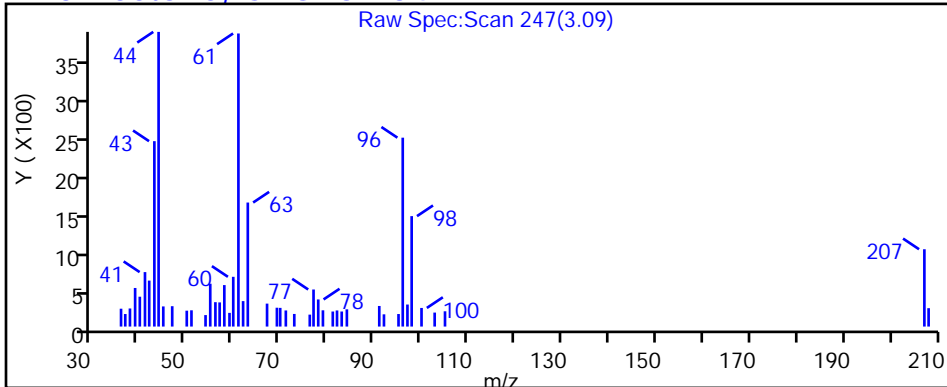
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

20 Acetone, CAS: 67-64-1



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X19.D

Injection Date: 04-May-2023 03:31:30

Instrument ID: 10193

Lims ID: 410-124489-A-8

Lab Sample ID: 410-124489-8

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

Operator ID: gaw91131

ALS Bottle#: 19

Worklist Smp#: 21

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

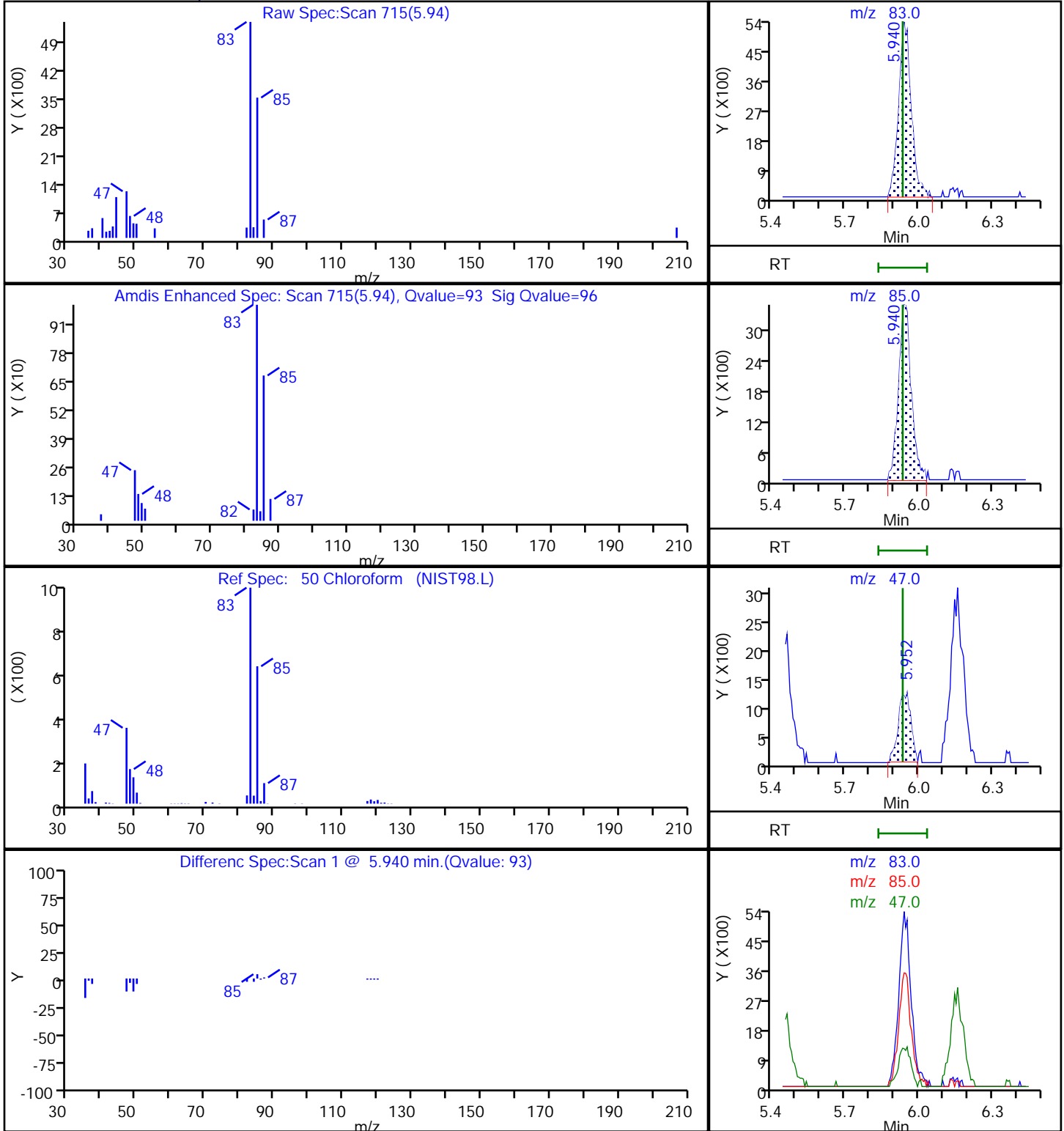
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

50 Chloroform, CAS: 67-66-3



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X19.D

Injection Date: 04-May-2023 03:31:30

Instrument ID: 10193

Lims ID: 410-124489-A-8

Lab Sample ID: 410-124489-8

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

Operator ID: gaw91131

ALS Bottle#: 19

Worklist Smp#: 21

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

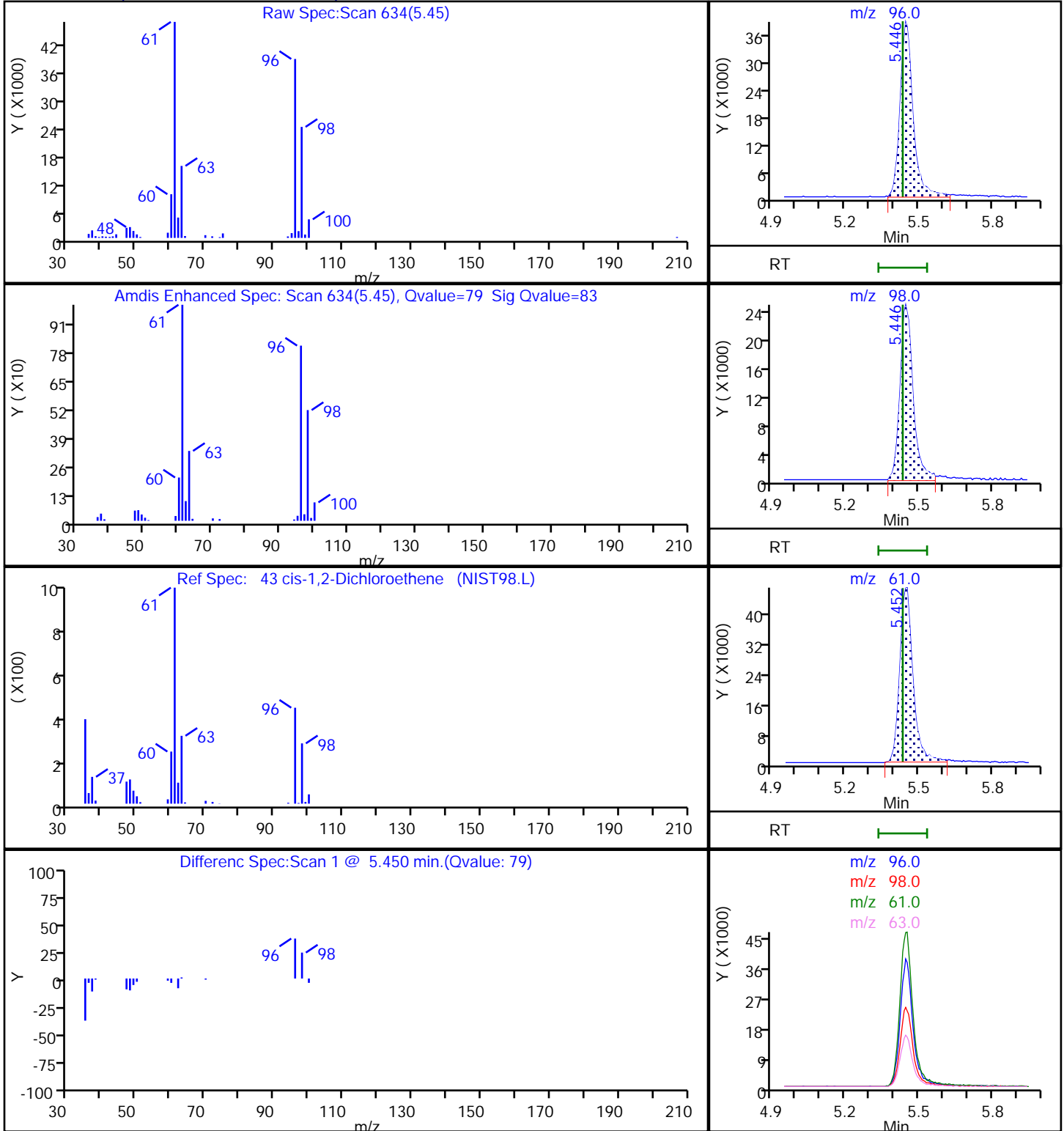
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X19.D

Injection Date: 04-May-2023 03:31:30

Instrument ID: 10193

Lims ID: 410-124489-A-8

Lab Sample ID: 410-124489-8

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

Operator ID: gaw91131

ALS Bottle#: 19

Worklist Smp#: 21

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

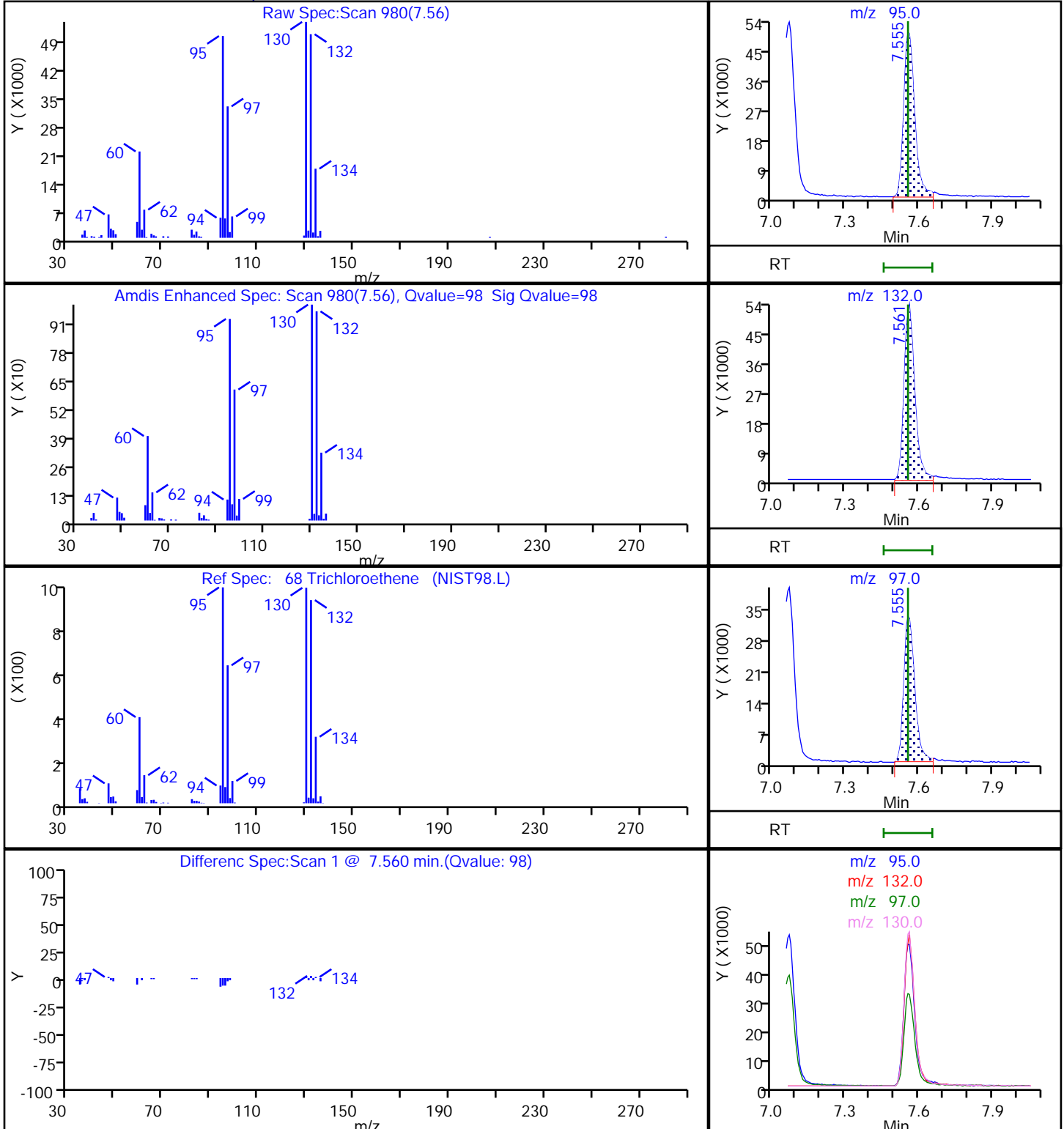
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

68 Trichloroethene, CAS: 79-01-6

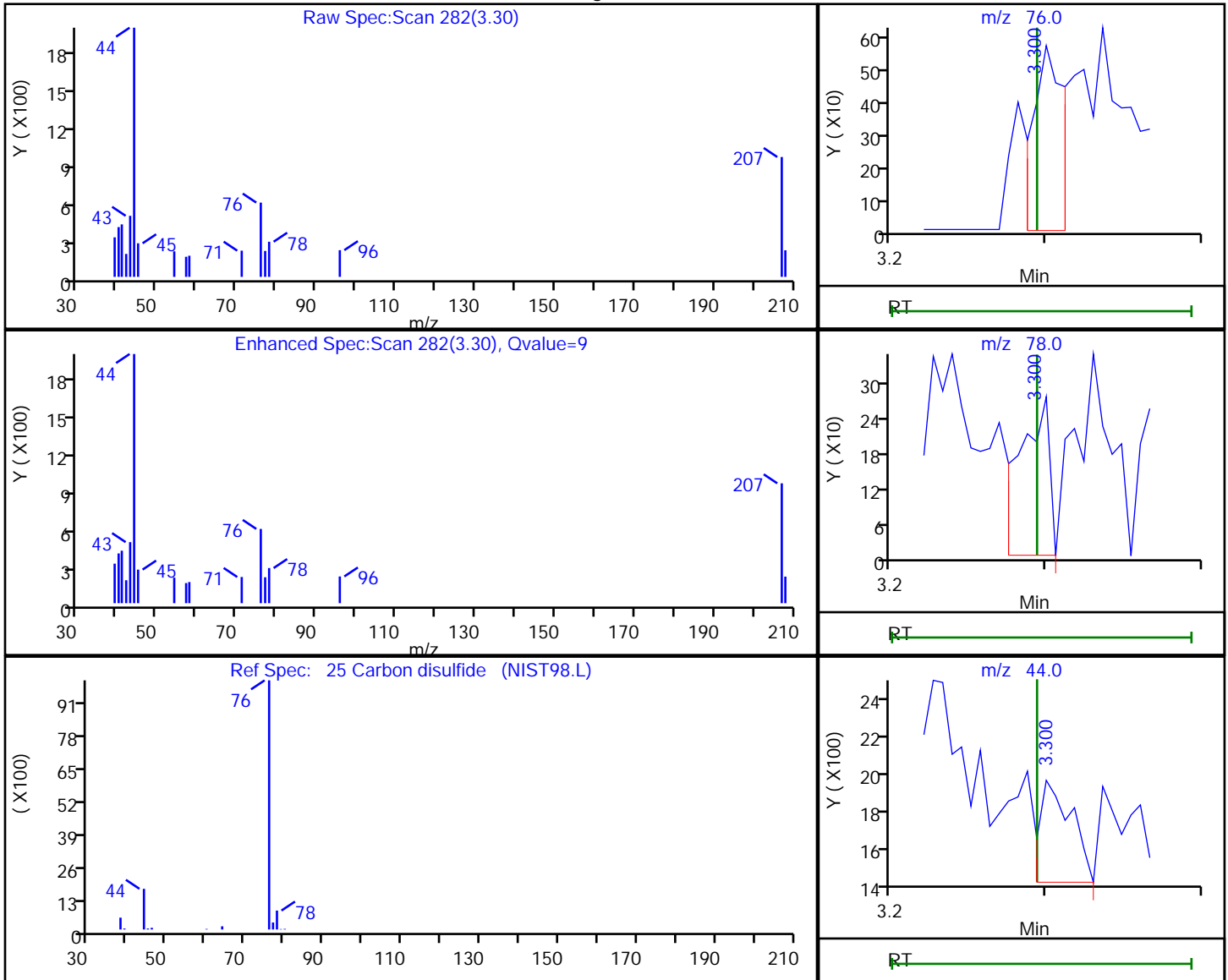


Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X19.D
 Injection Date: 04-May-2023 03:31:30 Instrument ID: 10193
 Lims ID: 410-124489-A-8 Lab Sample ID: 410-124489-8
 Client ID: HD-COD-SW-17-0/1-0
 Operator ID: gaw91131 ALS Bottle#: 19 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 ID) Detector: MS Quad

25 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
3.30	76.00	787	0.004477
3.30	78.00	366	
3.30	44.00	752	

Reviewer: DVW2, 04-May-2023 15:33:08 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-124489-1
 Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-17-0/1-0 DL Lab Sample ID: 410-124489-8 DL

Matrix: Water Lab File ID: IY04X53.D

Analysis Method: 8260D Date Collected: 04/27/2023 10:55

Sample wt/vol: 25 (mL) Date Analyzed: 05/05/2023 04:37

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.: 372381 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	44		5.0	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\IY04X53.D
 Lims ID: 410-124489-B-8 DL
 Client ID: HD-COD-SW-17-0/1-0
 Sample Type: Client
 Inject. Date: 05-May-2023 04:37:30 ALS Bottle#: 23 Worklist Smp#: 24
 Purge Vol: 25.000 mL Dil. Factor: 10.0000
 Sample Info: 410-0083257-024
 Operator ID: MEC29284 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 08-May-2023 11:48:31 Calib Date: 21-Mar-2023 06:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1614

First Level Reviewer: kaewrungrueangp Date: 08-May-2023 11:48:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		2.087				ND	
5 Vinyl chloride	62	2.203	2.196	0.007	93	3288	0.0428	
7 Bromomethane	94		2.526				ND	
8 Chloroethane	64		2.599				ND	
15 1,1-Dichloroethene	96	3.440	3.428	0.012	92	2292	0.0457	
16 Acetone	43		3.452				ND	7
20 Carbon disulfide	76		3.727				ND	7
25 Methylene Chloride	84		4.068				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	4.135	4.104	0.031	25	134704	50.0	
29 Methyl tert-butyl ether	73		4.470				ND	
30 trans-1,2-Dichloroethene	96		4.476				ND	
32 1,1-Dichloroethane	63	5.153	5.141	0.012	92	7610	0.0743	a
38 2-Butanone (MEK)	43		5.933				ND	7
39 cis-1,2-Dichloroethene	96	5.989	5.976	0.013	78	12644	0.2049	
46 Chlorobromomethane	128		6.305				ND	
48 Chloroform	83		6.458				ND	7
\$ 49 Dibromofluoromethane (Surr)	113	6.677	6.671	0.006	93	540922	10.5	
50 1,1,1-Trichloroethane	97	6.690	6.683	0.007	37	35273	0.3548	
54 Carbon tetrachloride	117		6.897				ND	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.129	7.122	0.007	63	103963	10.6	
57 Benzene	78		7.159				ND	
58 1,2-Dichloroethane	62	7.232	7.226	0.006	96	11026	0.1592	
* 61 Fluorobenzene (IS)	96	7.561	7.561	0.000	99	1947904	10.0	
64 Trichloroethene	95	8.049	8.043	0.006	95	13993	0.2197	
66 1,2-Dichloropropane	63		8.372				ND	
71 Dichlorobromomethane	83		8.719				ND	
76 cis-1,3-Dichloropropene	75		9.274				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.445				ND	
\$ 78 Toluene-d8 (Surr)	98	9.591	9.585	0.006	94	1950187	9.92	
79 Toluene	92		9.664				ND	
97 trans-1,3-Dichloropropene	75		9.927				ND	
100 1,1,2-Trichloroethane	97	10.140	10.128	0.012	69	1950	0.0470	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.225	10.219	0.006	98	360576	4.41	
103 2-Hexanone	43		10.347				ND	
105 Chlorodibromomethane	129		10.512				ND	
106 Ethylene Dibromide	107		10.622				ND	
* 107 Chlorobenzene-d5 (IS)	117	11.055	11.054	0.001	86	1527301	10.0	
109 Chlorobenzene	112		11.079				ND	
111 1,1,1,2-Tetrachloroethane	131		11.164				ND	
112 Ethylbenzene	91		11.170				ND	
S 110 Xylenes, Total	106		11.245				ND	7
113 m-Xylene & p-Xylene	106		11.286				ND	
114 o-Xylene	106		11.615				ND	
115 Styrene	104		11.627				ND	
116 Bromoform	173		11.786				ND	
\$ 120 4-Bromofluorobenzene (Surr)	95	12.061	12.060	0.000	95	684157	9.55	
121 1,1,2,2-Tetrachloroethane	83		12.158				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.944	12.938	0.006	94	896420	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

MSV_LLcentISS_00007

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\IY04X53.D

Injection Date: 05-May-2023 04:37:30

Instrument ID: 19930

Operator ID: MEC29284

Lims ID: 410-124489-B-8 DL

Lab Sample ID: 410-124489-8

Worklist Smp#: 24

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

Purge Vol: 25.000 mL

Dil. Factor: 10.0000

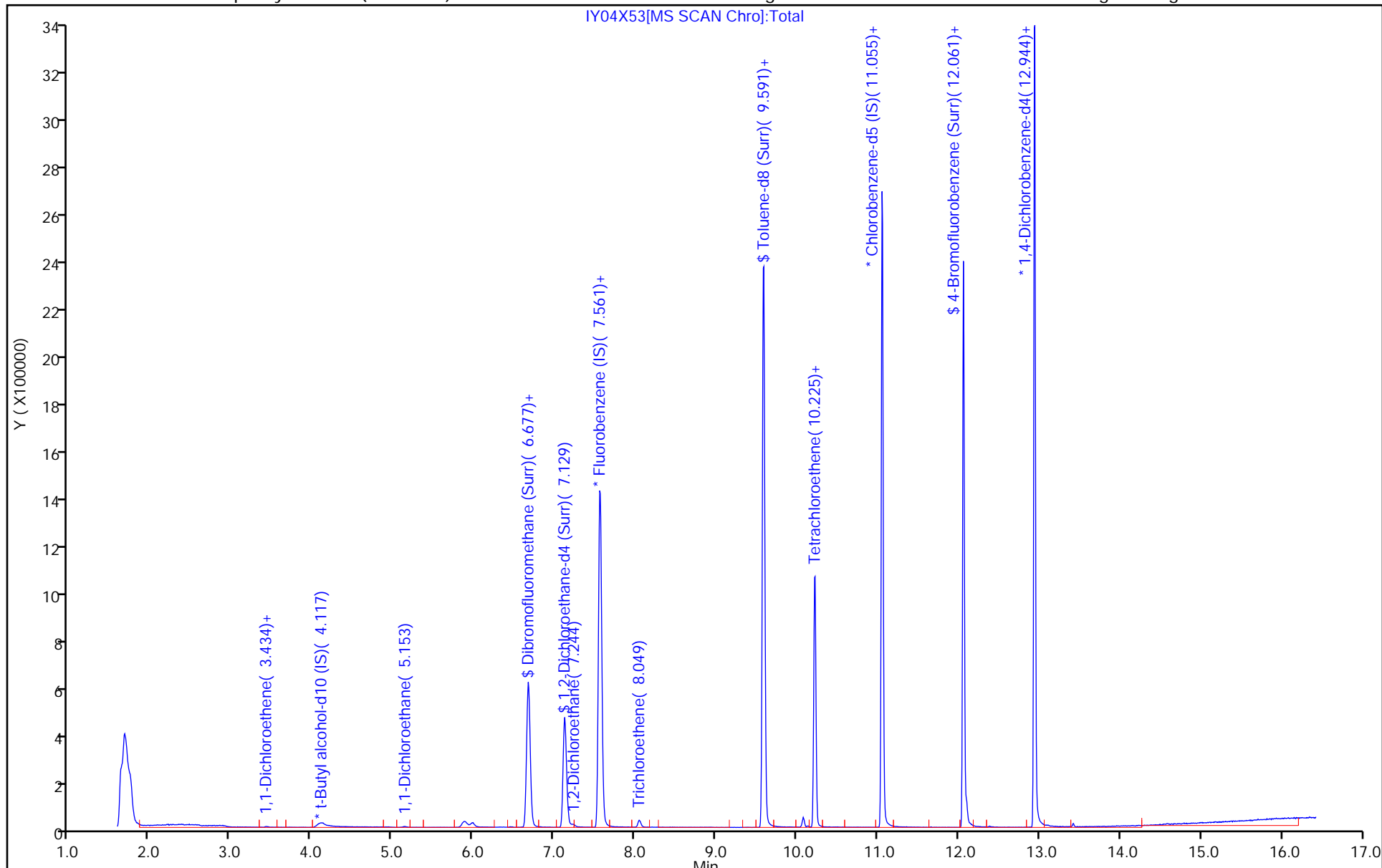
ALS Bottle#: 23

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\IY04X53.D
 Lims ID: 410-124489-B-8 DL
 Client ID: HD-COD-SW-17-0/1-0
 Sample Type: Client
 Inject. Date: 05-May-2023 04:37:30 ALS Bottle#: 23 Worklist Smp#: 24
 Purge Vol: 25.000 mL Dil. Factor: 10.0000
 Sample Info: 410-0083257-024
 Operator ID: MEC29284 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 08-May-2023 11:48:31 Calib Date: 21-Mar-2023 06:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1614

First Level Reviewer: kaewrungrueangp

Date: 08-May-2023 11:48:31

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	10.5	104.81
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.6	106.21
\$ 78 Toluene-d8 (Surr)	10.0	9.92	99.19
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.55	95.46

Data File: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\Y04X53.D

Injection Date: 05-May-2023 04:37:30

Instrument ID: 19930

Lims ID: 410-124489-B-8 DL

Lab Sample ID: 410-124489-8

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

Operator ID: MEC29284

ALS Bottle#: 23

Worklist Smp#: 24

Purge Vol: 25.000 mL

Dil. Factor: 10.0000

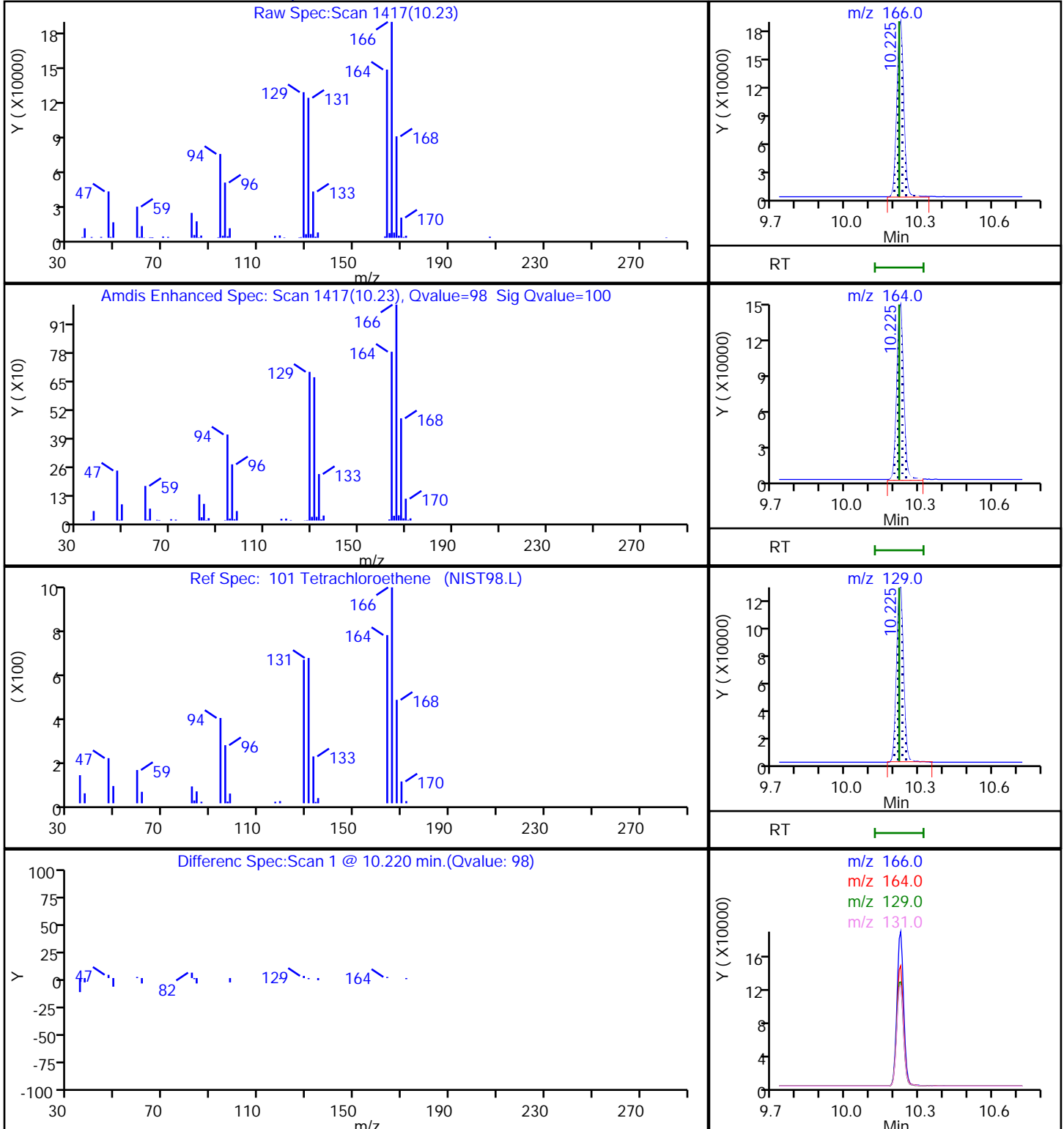
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

101 Tetrachloroethene, CAS: 127-18-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

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

Lab Sample ID: 410-124489-9

Matrix: Water

Lab File ID: CY03X20.D

Analysis Method: 8260D

Date Collected: 04/27/2023 11:38

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 03:53

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 371870

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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	4.8	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	^c cn	0.50	0.10
75-15-0	Carbon disulfide	ND	^c cn	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	^c cn	0.50	0.10
67-66-3	Chloroform	0.17	J	0.50	0.090
74-87-3	Chloromethane	0.10	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.10	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	0.10
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.99		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.: 410-124489-1

SDG No.:

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

Lab Sample ID: 410-124489-9

Matrix: Water

Lab File ID: CY03X20.D

Analysis Method: 8260D

Date Collected: 04/27/2023 11:38

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 03:53

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 371870

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)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
2037-26-5	Toluene-d8 (Surr)	109		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X20.D
 Lims ID: 410-124489-A-9
 Client ID: HD-COD-SW-26-0/1-0
 Sample Type: Client
 Inject. Date: 04-May-2023 03:53:30 ALS Bottle#: 20 Worklist Smp#: 22
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-022
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:42:54 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: DVW2 Date: 04-May-2023 15:34:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.898	1.892	0.006	97	9004	0.1037	
6 Vinyl chloride	62		1.983				ND	7
9 Bromomethane	94		2.270				ND	7
10 Chloroethane	64		2.331				ND	
18 1,1-Dichloroethene	96	3.062	3.038	0.024	86	3549	0.0710	
20 Acetone	43	3.099	3.074	0.025	97	39861	4.79	
25 Carbon disulfide	76	3.306	3.294	0.012	95	5403	0.0311	M
30 Methylene Chloride	84		3.593				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.659	3.629	0.030	96	174573	50.0	
34 Methyl tert-butyl ether	73		3.940				ND	7
35 trans-1,2-Dichloroethene	96		3.946				ND	
37 1,1-Dichloroethane	63		4.574				ND	7
42 2-Butanone (MEK)	43		5.409				ND	7
43 cis-1,2-Dichloroethene	96	5.446	5.434	0.012	82	6954	0.1041	
48 Chlorobromomethane	128		5.769				ND	
50 Chloroform	83	5.946	5.934	0.012	94	19170	0.1732	
53 1,1,1-Trichloroethane	97		6.153				ND	
\$ 54 Dibromofluoromethane (Surr)	113	6.165	6.153	0.012	94	489585	9.51	
56 Carbon tetrachloride	117		6.366				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.622	6.610	0.012	98	100321	9.89	
60 Benzene	78		6.641				ND	7
61 1,2-Dichloroethane	62		6.720				ND	
* 65 Fluorobenzene (IS)	96	7.067	7.061	0.006	99	1975898	10.0	
68 Trichloroethene	95	7.561	7.555	0.006	95	7529	0.1124	Ma
70 1,2-Dichloropropane	63		7.891				ND	
76 Dichlorobromomethane	83		8.250				ND	7
80 cis-1,3-Dichloropropene	75		8.829				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.037				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	-0.001	93	2047287	10.9	
84 Toluene	92	9.256	9.250	0.006	99	10282	0.0707	
85 trans-1,3-Dichloropropene	75		9.555				ND	
87 1,1,2-Trichloroethane	97		9.768				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166	9.853	9.854	-0.001	98	68308	0.99	
106 2-Hexanone	43		10.018				ND	7
108 Chlorodibromomethane	129		10.171				ND	
110 Ethylene Dibromide	107		10.280				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.743	10.744	-0.001	85	1579682	10.0	
113 Chlorobenzene	112		10.768				ND	
114 1,1,1,2-Tetrachloroethane	131		10.860				ND	
115 Ethylbenzene	91		10.866				ND	7
116 m-Xylene & p-Xylene	106		10.988				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.329				ND	7
119 Styrene	104		11.347				ND	7
120 Bromoform	173		11.506				ND	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	94	762286	9.45	
126 1,1,2,2-Tetrachloroethane	83		11.908				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.700	12.695	0.005	94	925969	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_00069

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X20.D

Injection Date: 04-May-2023 03:53:30

Instrument ID: 10193

Operator ID: gaw91131

Lims ID: 410-124489-A-9

Lab Sample ID: 410-124489-9

Worklist Smp#: 22

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

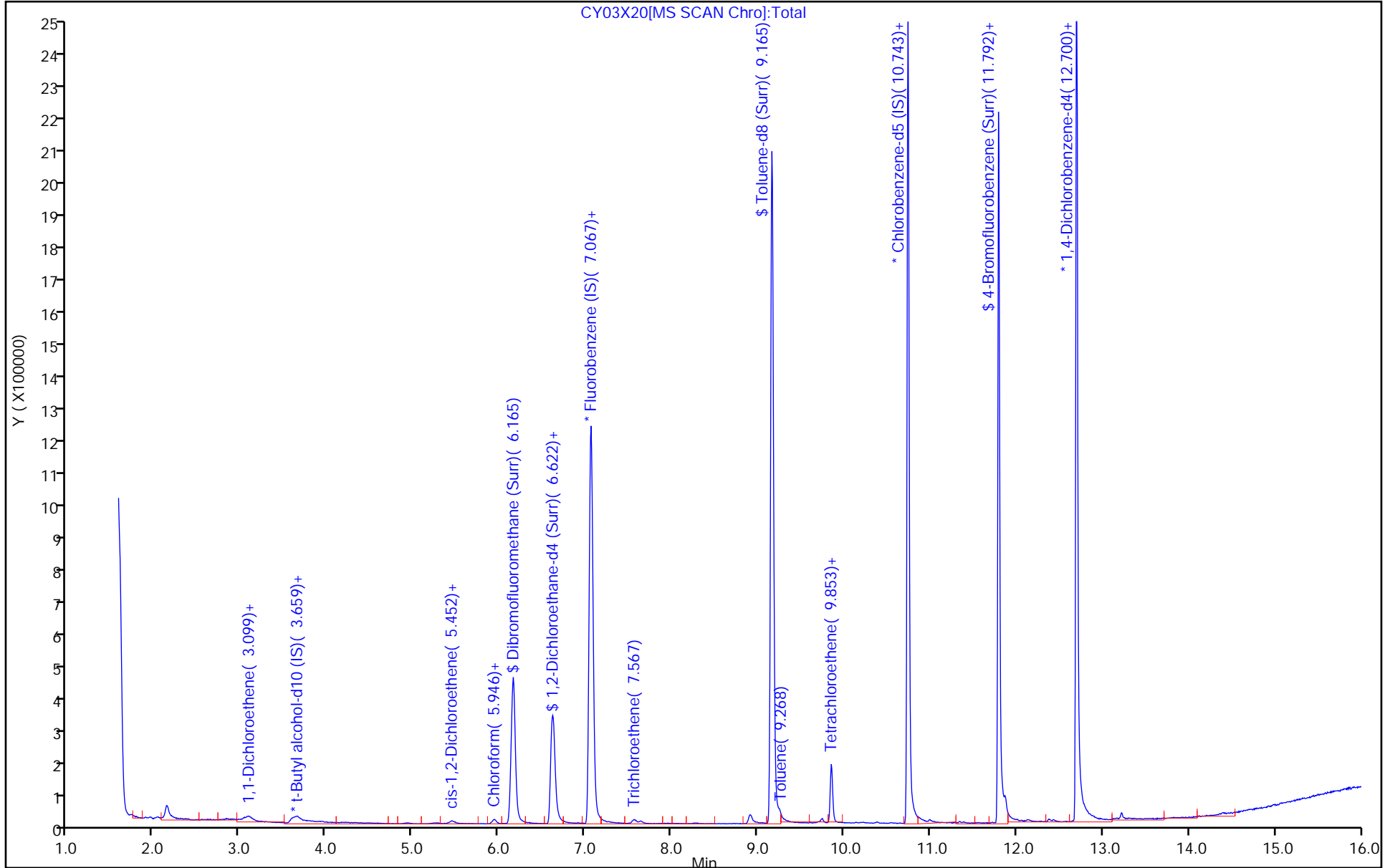
ALS Bottle#: 20

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\20230503-83144.b\CY03X20.D
 Lims ID: 410-124489-A-9
 Client ID: HD-COD-SW-26-0/1-0
 Sample Type: Client
 Inject. Date: 04-May-2023 03:53:30 ALS Bottle#: 20 Worklist Smp#: 22
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-022
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:42:54 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: DVW2

Date: 04-May-2023 15:34:40

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	9.51	95.14
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.89	98.92
\$ 83 Toluene-d8 (Surr)	10.0	10.9	108.51
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.45	94.53

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X20.D

Injection Date: 04-May-2023 03:53:30

Instrument ID: 10193

Lims ID: 410-124489-A-9

Lab Sample ID: 410-124489-9

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

Operator ID: gaw91131

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

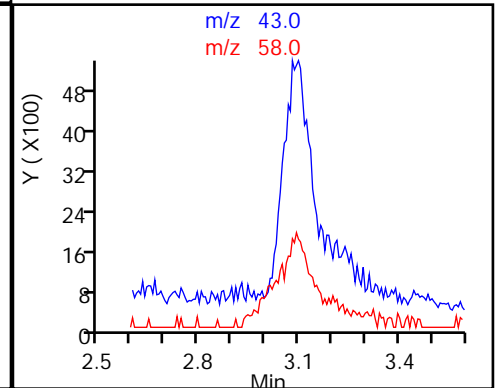
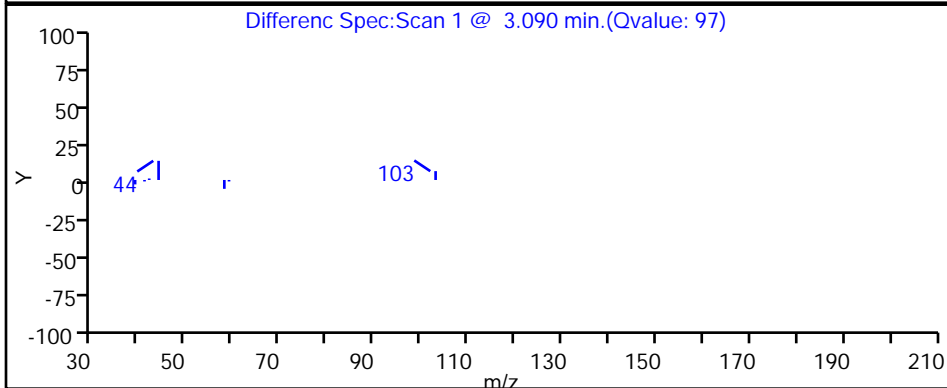
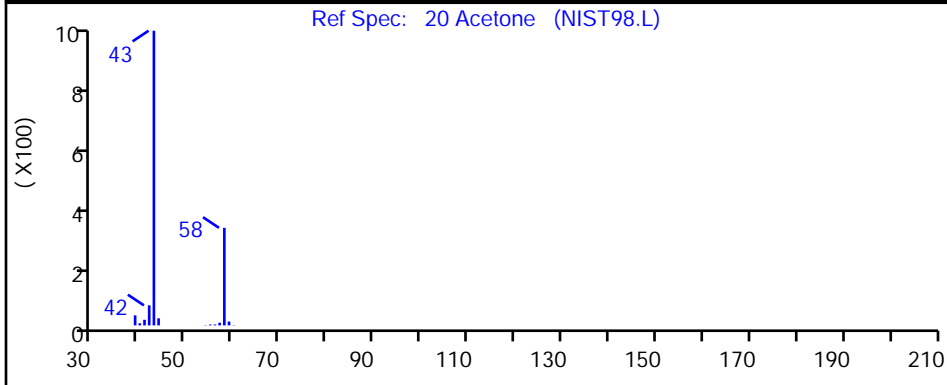
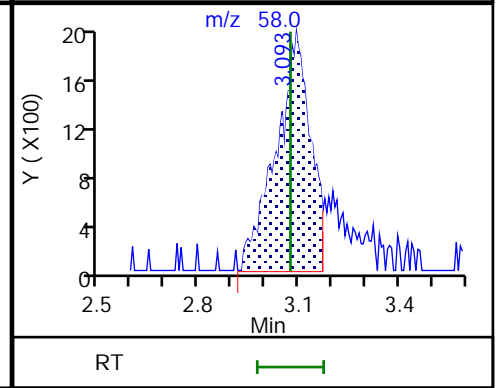
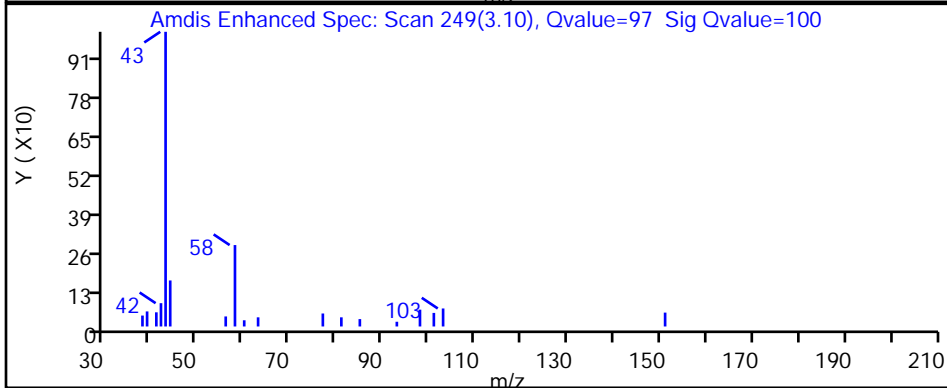
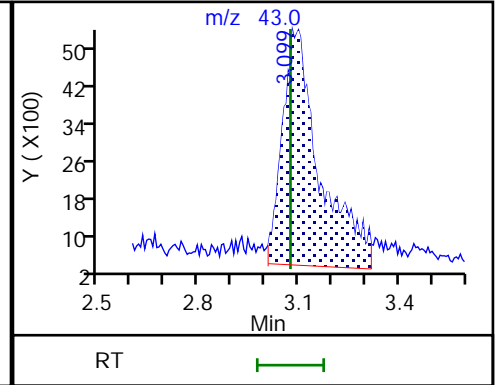
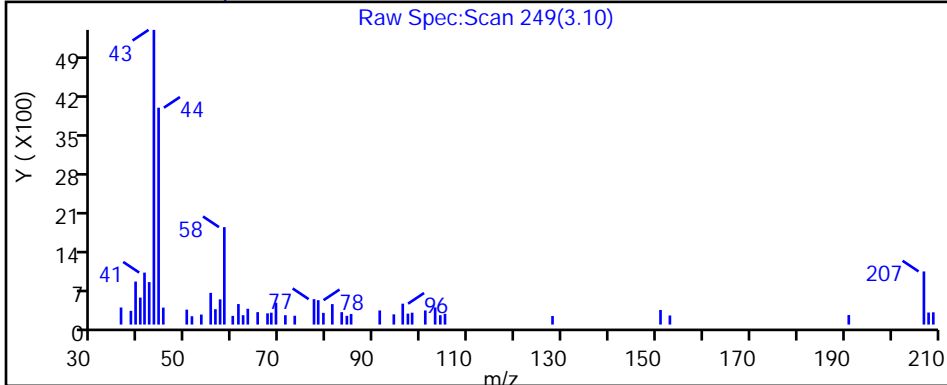
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

20 Acetone, CAS: 67-64-1



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X20.D

Injection Date: 04-May-2023 03:53:30

Instrument ID: 10193

Lims ID: 410-124489-A-9

Lab Sample ID: 410-124489-9

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

Operator ID: gaw91131

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

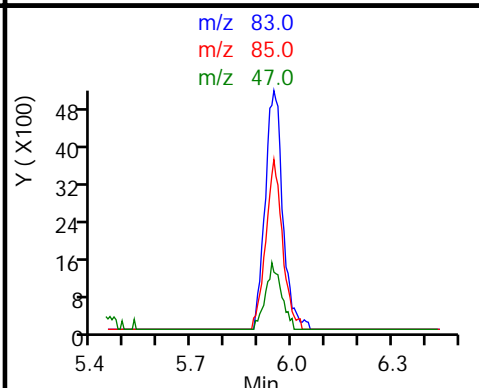
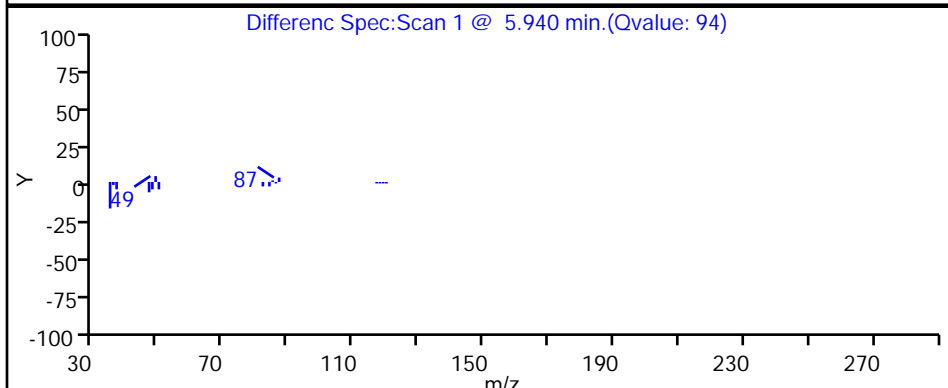
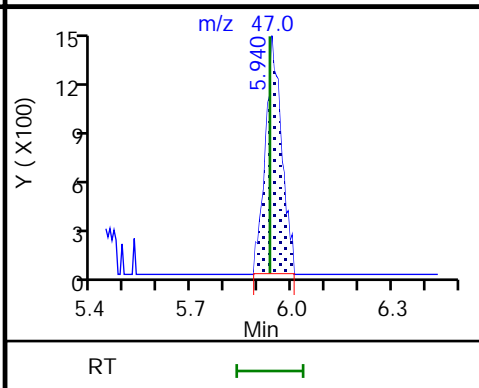
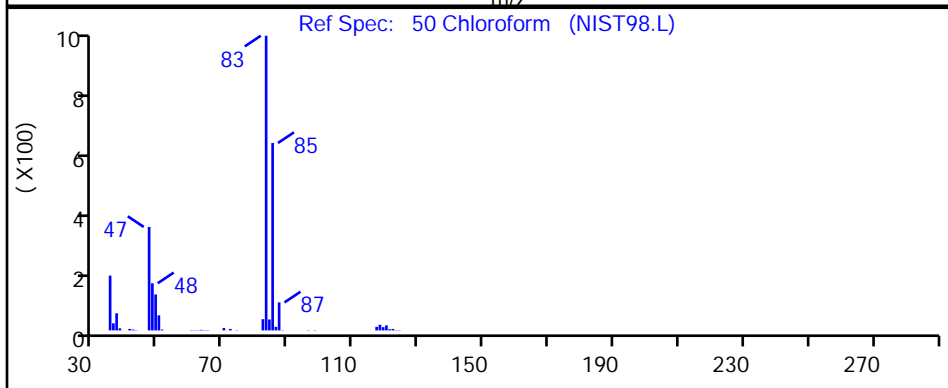
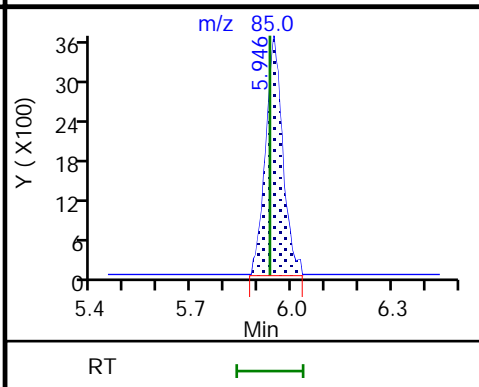
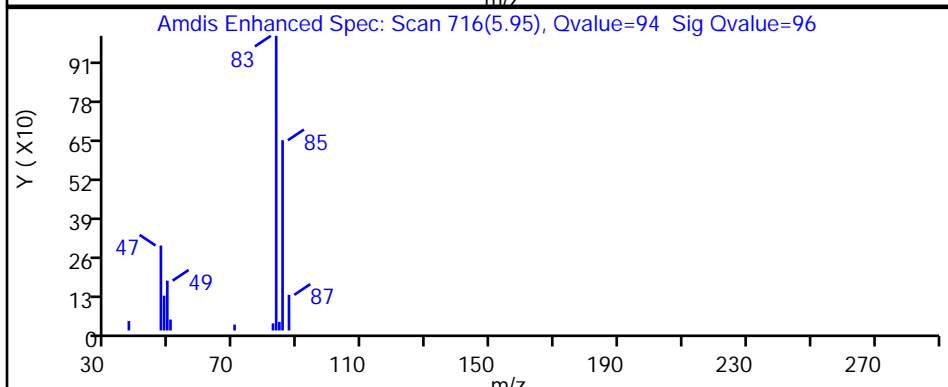
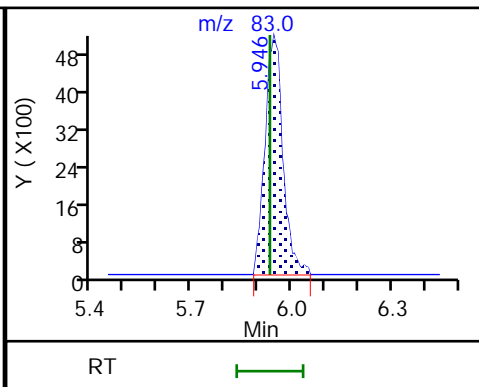
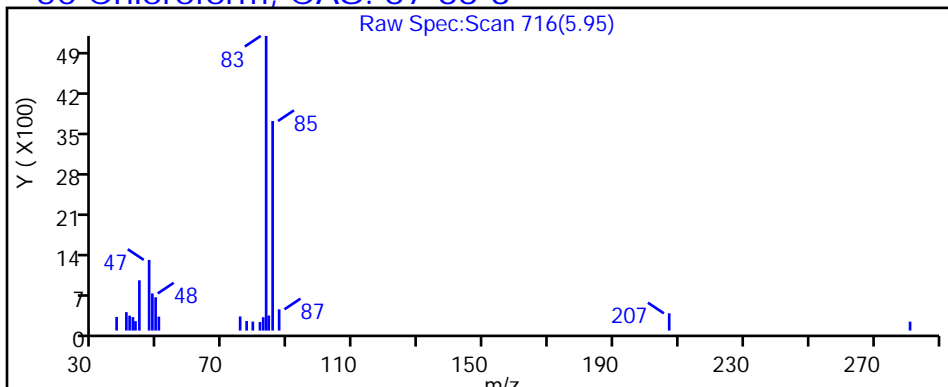
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

50 Chloroform, CAS: 67-66-3



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X20.D

Injection Date: 04-May-2023 03:53:30

Instrument ID: 10193

Lims ID: 410-124489-A-9

Lab Sample ID: 410-124489-9

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

Operator ID: gaw91131

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

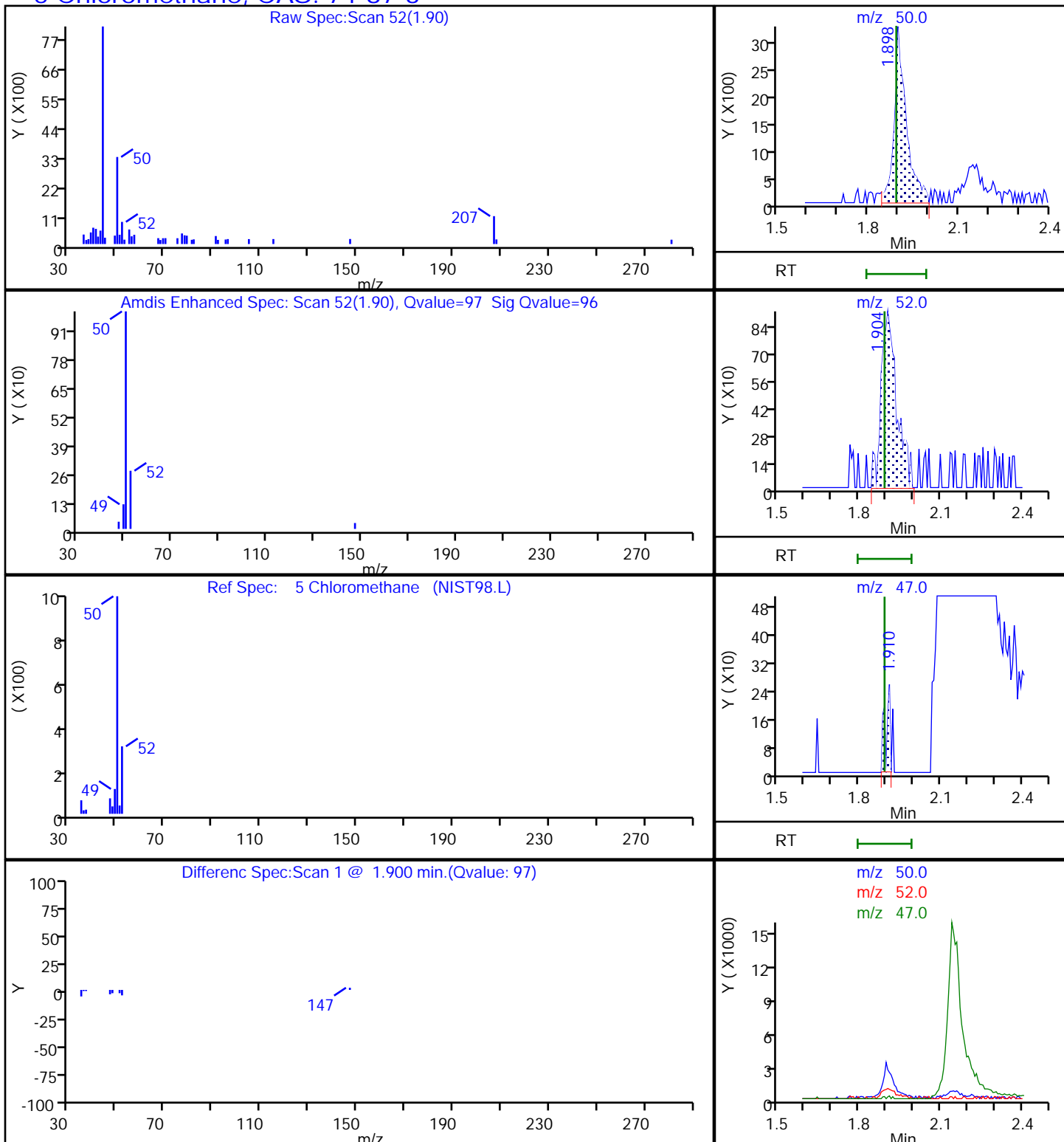
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

5 Chloromethane, CAS: 74-87-3



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X20.D

Injection Date: 04-May-2023 03:53:30

Instrument ID: 10193

Lims ID: 410-124489-A-9

Lab Sample ID: 410-124489-9

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

Operator ID: gaw91131

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

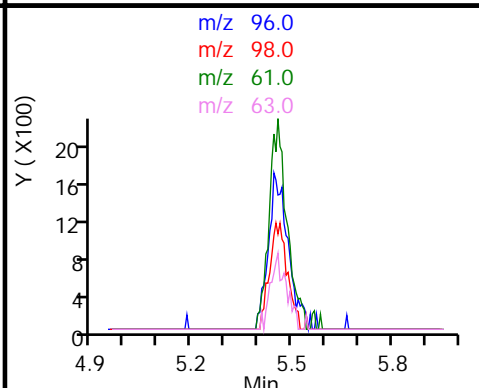
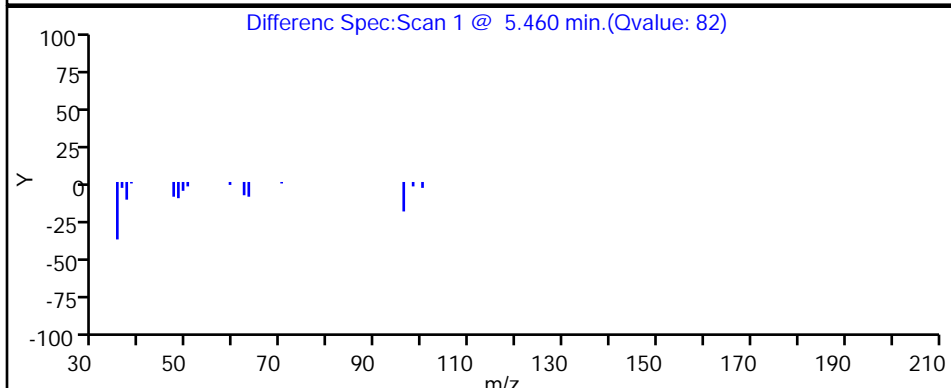
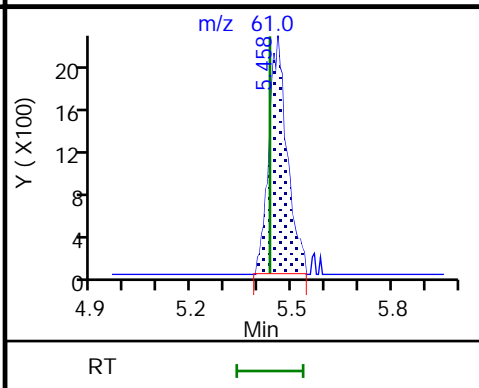
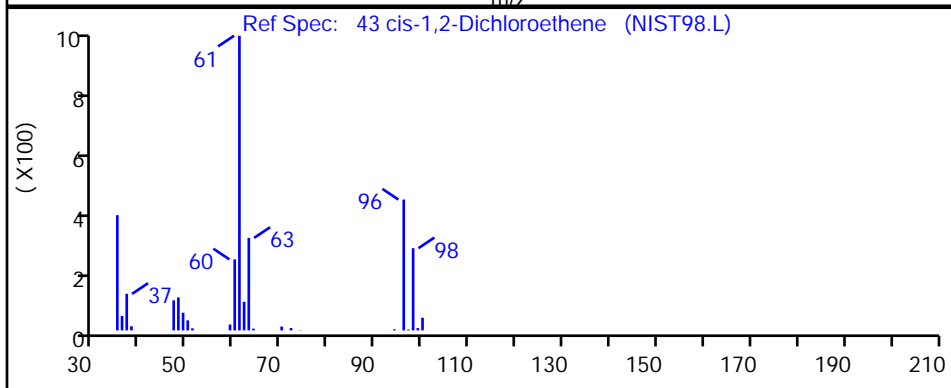
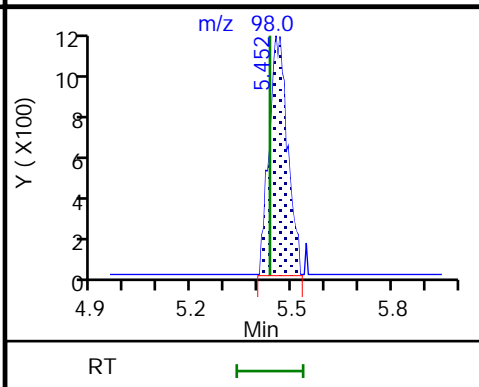
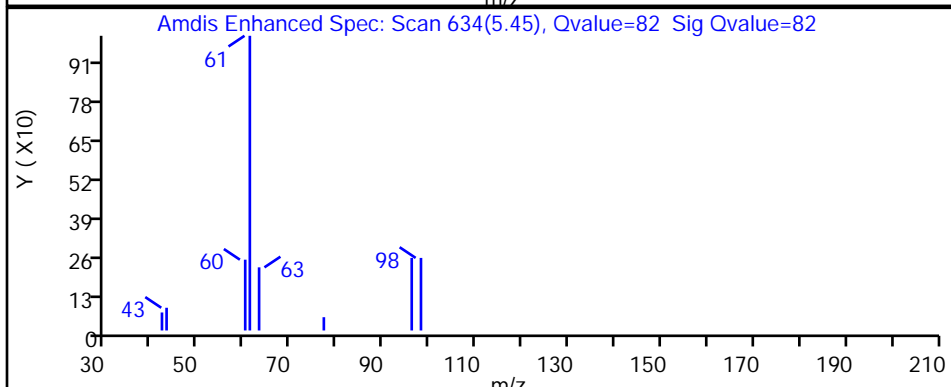
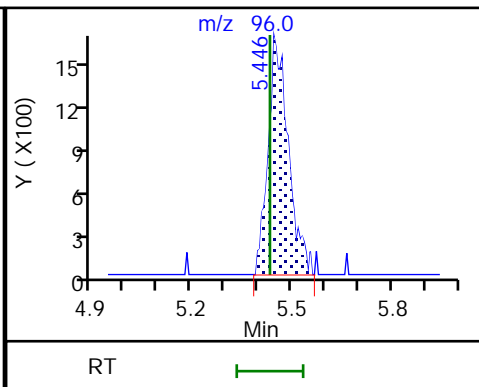
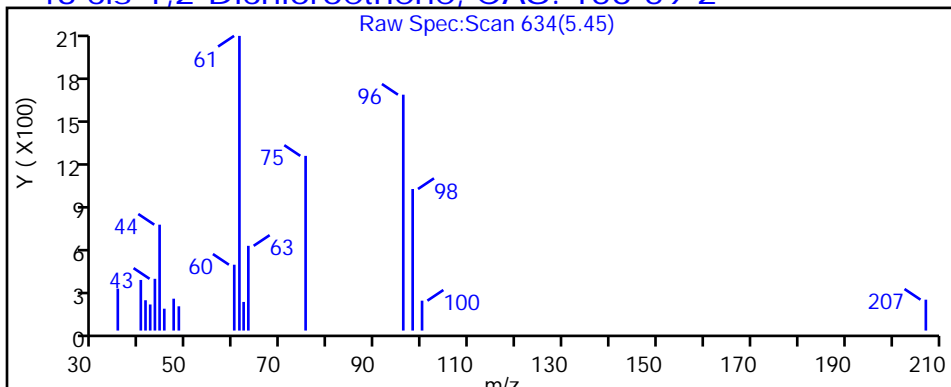
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X20.D

Injection Date: 04-May-2023 03:53:30

Instrument ID: 10193

Lims ID: 410-124489-A-9

Lab Sample ID: 410-124489-9

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

Operator ID: gaw91131

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

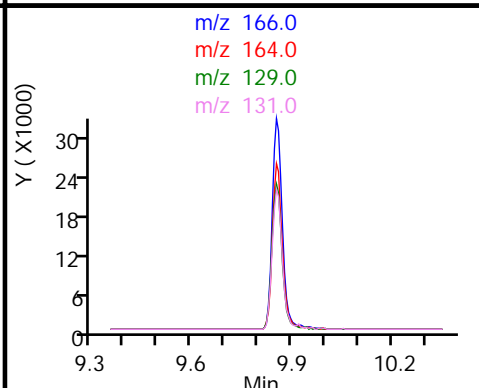
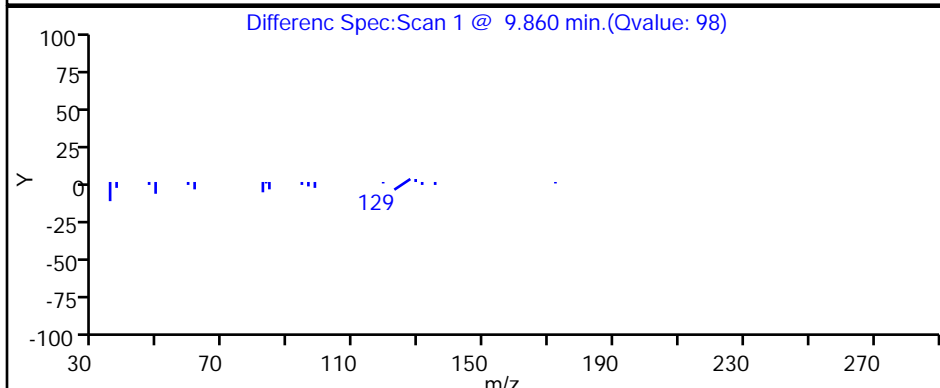
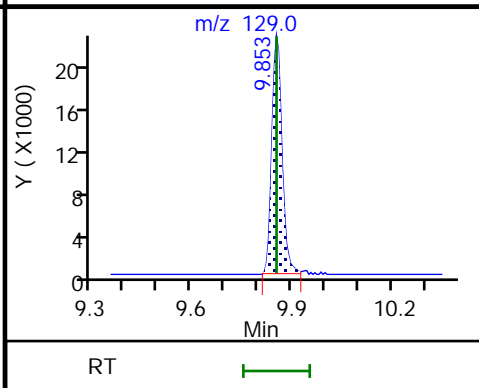
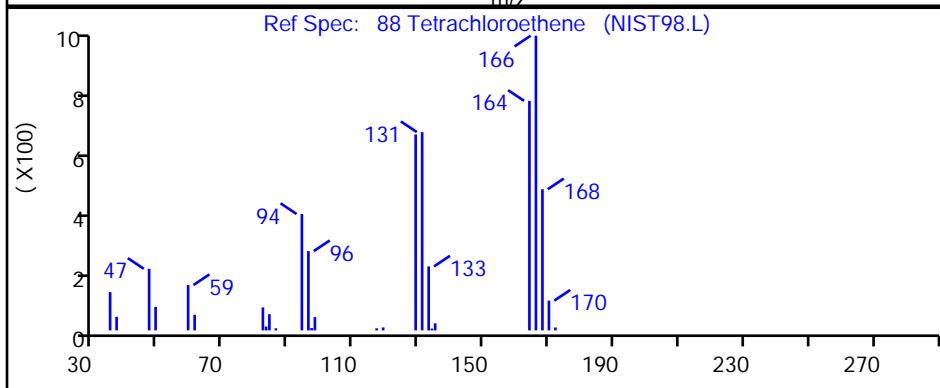
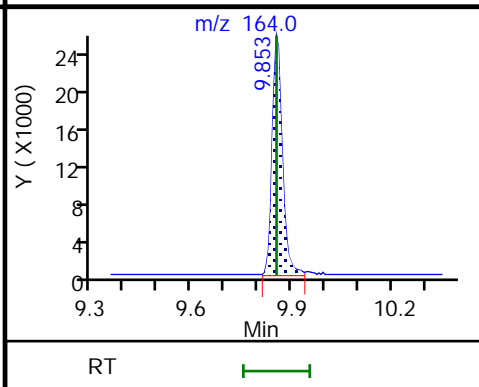
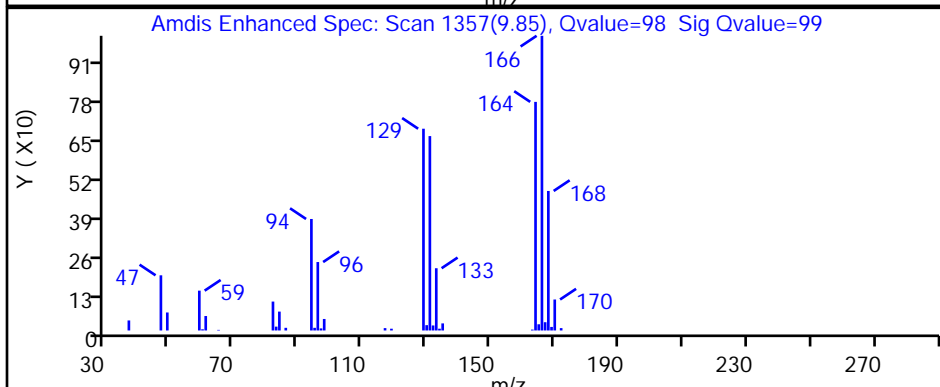
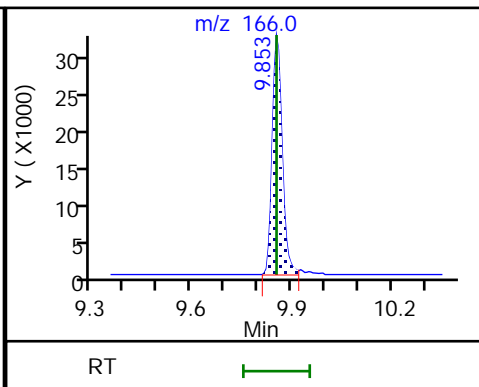
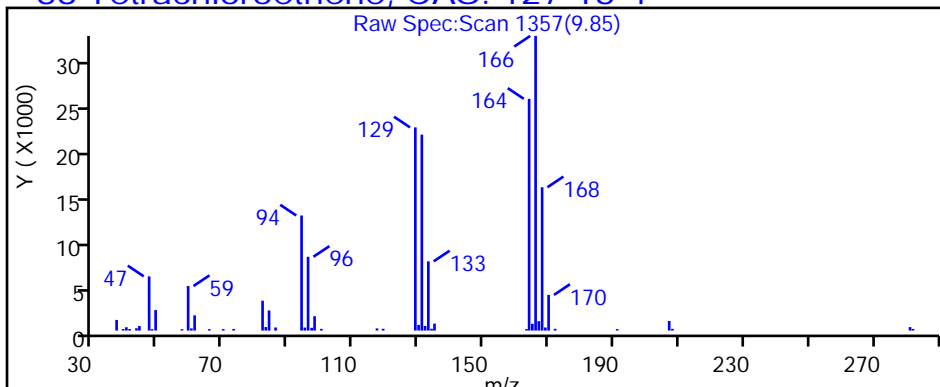
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

88 Tetrachloroethene, CAS: 127-18-4



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X20.D

Injection Date: 04-May-2023 03:53:30

Instrument ID: 10193

Lims ID: 410-124489-A-9

Lab Sample ID: 410-124489-9

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

Operator ID: gaw91131

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

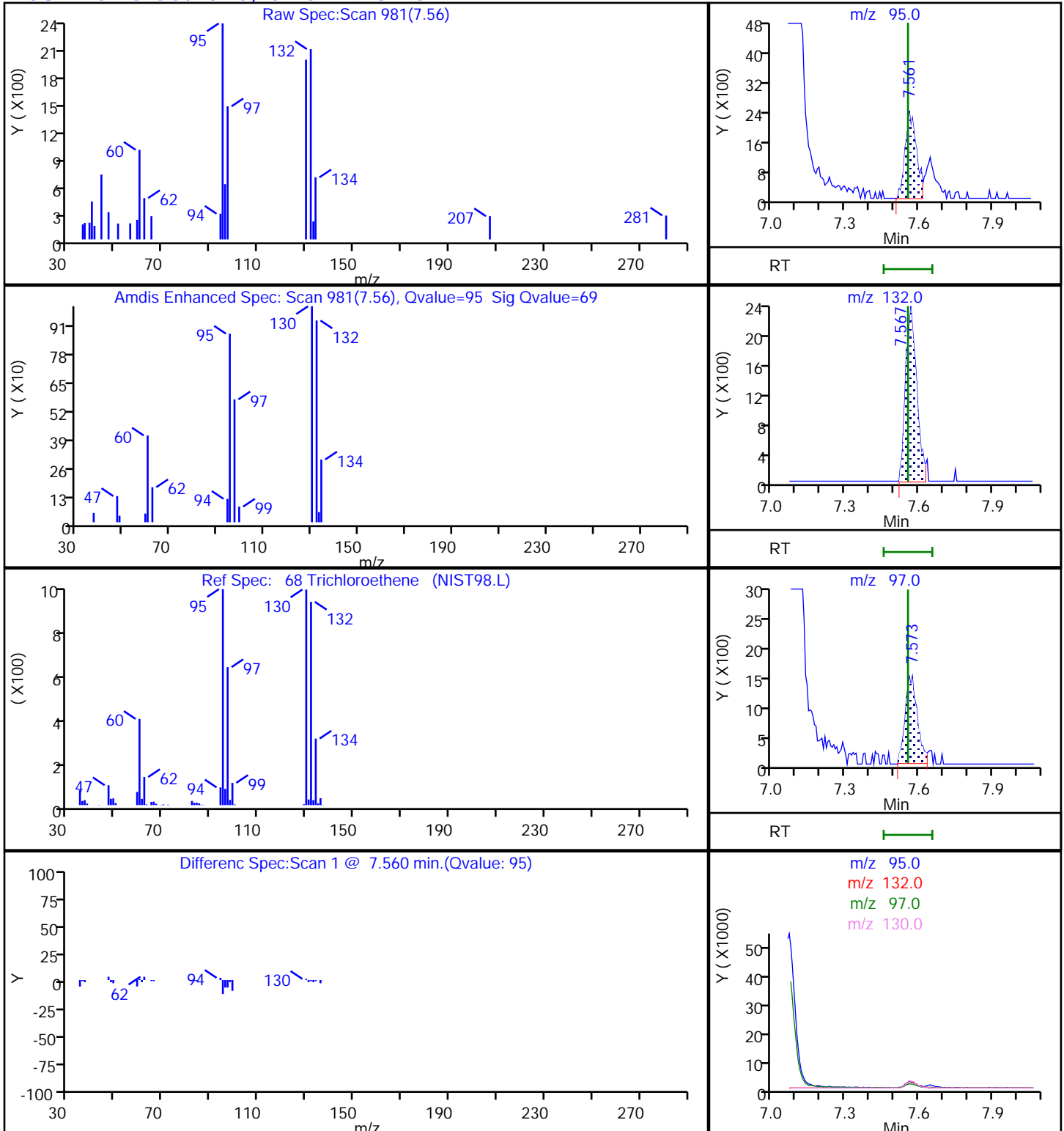
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

68 Trichloroethene, CAS: 79-01-6



Euofins Lancaster Laboratories Environment Testing, LLC

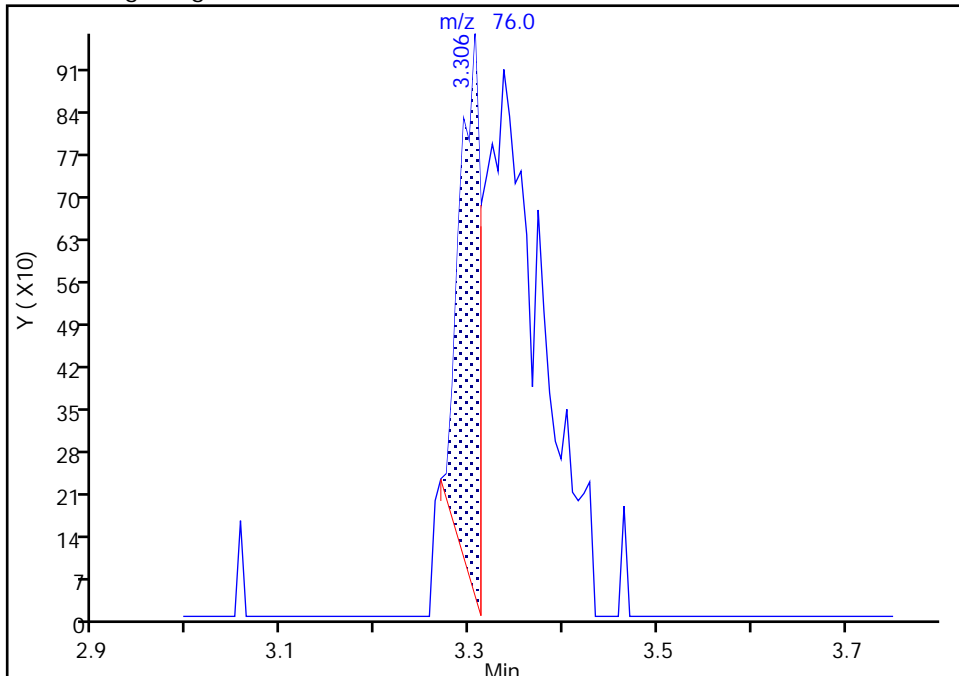
Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X20.D
Injection Date: 04-May-2023 03:53:30 Instrument ID: 10193
Lims ID: 410-124489-A-9 Lab Sample ID: 410-124489-9
Client ID: HD-COD-SW-26-0/1-0
Operator ID: gaw91131 ALS Bottle#: 20 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

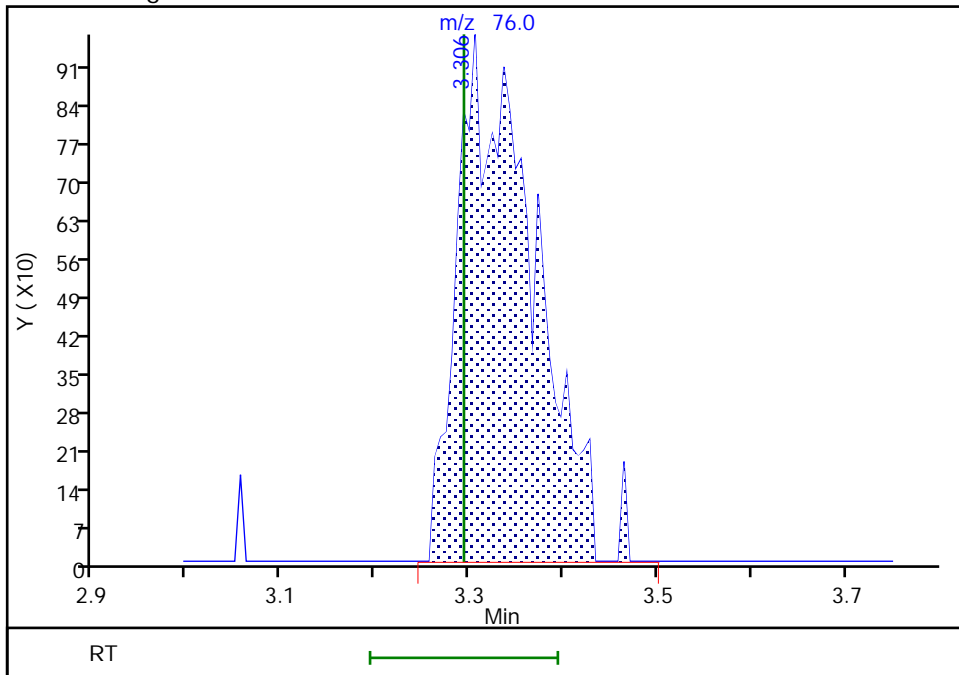
RT: 3.31
Area: 1391
Amount: 0.008001
Amount Units: ug/l

Processing Integration Results



RT: 3.31
Area: 5403
Amount: 0.031079
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-May-2023 15:33:54 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

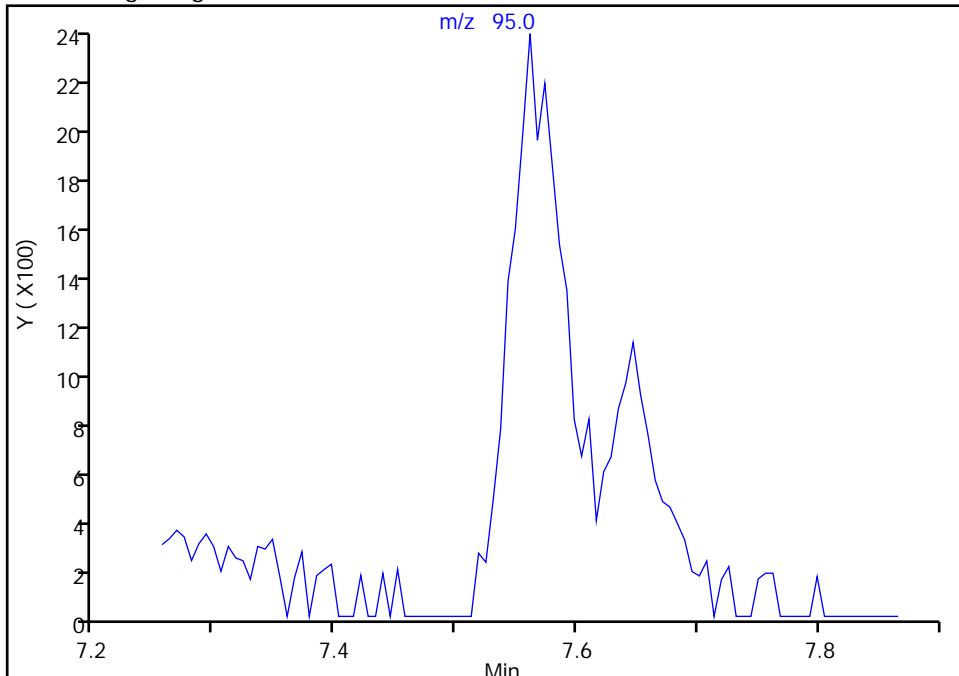
Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X20.D
Injection Date: 04-May-2023 03:53:30 Instrument ID: 10193
Lims ID: 410-124489-A-9 Lab Sample ID: 410-124489-9
Client ID: HD-COD-SW-26-0/1-0
Operator ID: gaw91131 ALS Bottle#: 20 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 Trichloroethene, CAS: 79-01-6

Signal: 1

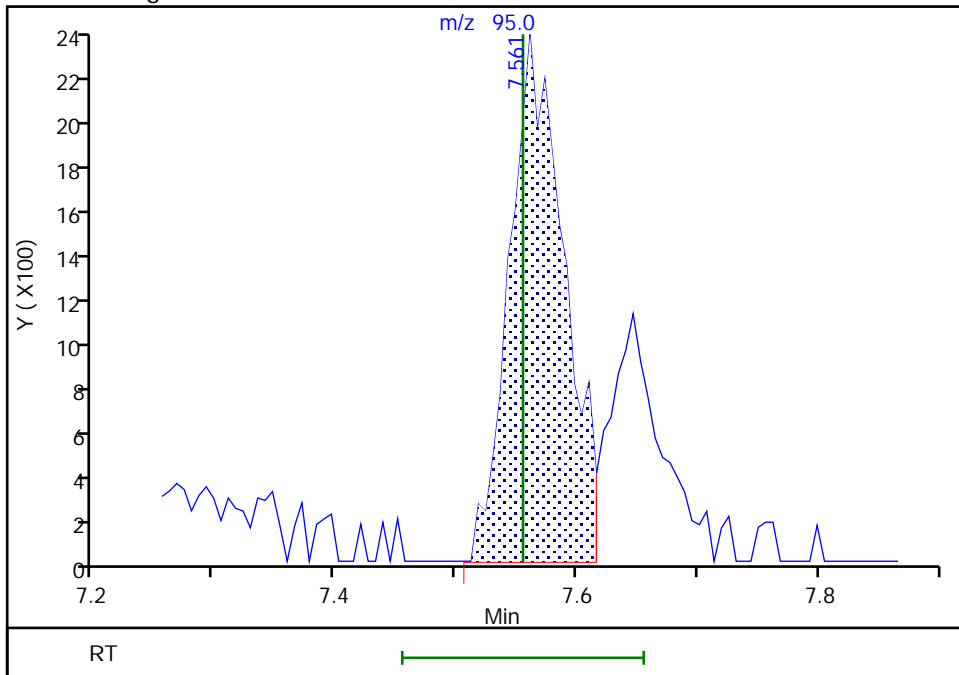
Not Detected
Expected RT: 7.56

Processing Integration Results



RT: 7.56
Area: 7529
Amount: 0.112437
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-May-2023 15:34:26 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

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

Lab Sample ID: 410-124489-10

Matrix: Water

Lab File ID: CY03X21.D

Analysis Method: 8260D

Date Collected: 04/27/2023 12:07

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 04:15

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.: 371870

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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	5.3		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	^c cn	0.50	0.10
75-15-0	Carbon disulfide	ND	^c cn	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	^c cn	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	0.13	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.10
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 Job No.: 410-124489-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-27-0/1-0 Lab Sample ID: 410-124489-10

Matrix: Water Lab File ID: CY03X21.D

Analysis Method: 8260D Date Collected: 04/27/2023 12:07

Sample wt/vol: 25 (mL) Date Analyzed: 05/04/2023 04:15

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.: 371870 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)	96		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	93		80-120
2037-26-5	Toluene-d8 (Surr)	108		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X21.D
 Lims ID: 410-124489-A-10
 Client ID: HD-COD-SW-27-0/1-0
 Sample Type: Client
 Inject. Date: 04-May-2023 04:15:30 ALS Bottle#: 21 Worklist Smp#: 23
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-023
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:42:54 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: DVW2 Date: 04-May-2023 15:35:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.910	1.892	0.018	97	7667	0.0875	
6 Vinyl chloride	62		1.983				ND	7
9 Bromomethane	94		2.270				ND	7
10 Chloroethane	64		2.331				ND	
18 1,1-Dichloroethene	96		3.038				ND	7
20 Acetone	43	3.086	3.074	0.012	97	37707	5.28	
25 Carbon disulfide	76	3.318	3.294	0.024	56	7400	0.0422	M
30 Methylene Chloride	84		3.593				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.641	3.629	0.012	97	149883	50.0	
34 Methyl tert-butyl ether	73		3.940				ND	7
35 trans-1,2-Dichloroethene	96		3.946				ND	
37 1,1-Dichloroethane	63		4.574				ND	
42 2-Butanone (MEK)	43		5.409				ND	U
43 cis-1,2-Dichloroethene	96	5.452	5.434	0.018	80	8847	0.1312	
48 Chlorobromomethane	128		5.769				ND	
50 Chloroform	83	5.952	5.934	0.018	94	8378	0.0750	
53 1,1,1-Trichloroethane	97		6.153				ND	
\$ 54 Dibromofluoromethane (Surr)	113	6.165	6.153	0.012	94	484631	9.33	
56 Carbon tetrachloride	117		6.366				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.622	6.610	0.012	99	98152	9.59	
60 Benzene	78		6.641				ND	7
61 1,2-Dichloroethane	62		6.720				ND	
* 65 Fluorobenzene (IS)	96	7.067	7.061	0.006	99	1994691	10.0	
68 Trichloroethene	95	7.567	7.555	0.012	96	6868	0.1016	a
70 1,2-Dichloropropane	63		7.891				ND	
76 Dichlorobromomethane	83		8.250				ND	7
80 cis-1,3-Dichloropropene	75		8.829				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.037				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.164	9.165	-0.001	93	2030268	10.8	
84 Toluene	92	9.250	9.250	0.000	95	11405	0.0784	
85 trans-1,3-Dichloropropene	75		9.555				ND	
87 1,1,2-Trichloroethane	97		9.768				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166	9.859	9.854	0.005	93	3185	0.0463	
106 2-Hexanone	43		10.018				ND	7
108 Chlorodibromomethane	129		10.171				ND	
110 Ethylene Dibromide	107		10.280				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.743	10.744	-0.001	85	1580450	10.0	
113 Chlorobenzene	112		10.768				ND	
114 1,1,1,2-Tetrachloroethane	131		10.860				ND	
115 Ethylbenzene	91		10.866				ND	7
116 m-Xylene & p-Xylene	106		10.988				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.329				ND	7
119 Styrene	104		11.347				ND	7
120 Bromoform	173		11.506				ND	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	94	760131	9.42	
126 1,1,2,2-Tetrachloroethane	83		11.908				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.700	12.695	0.005	94	931942	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00069

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X21.D

Injection Date: 04-May-2023 04:15:30

Instrument ID: 10193

Operator ID: gaw91131

Lims ID: 410-124489-A-10

Lab Sample ID: 410-124489-10

Worklist Smp#: 23

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

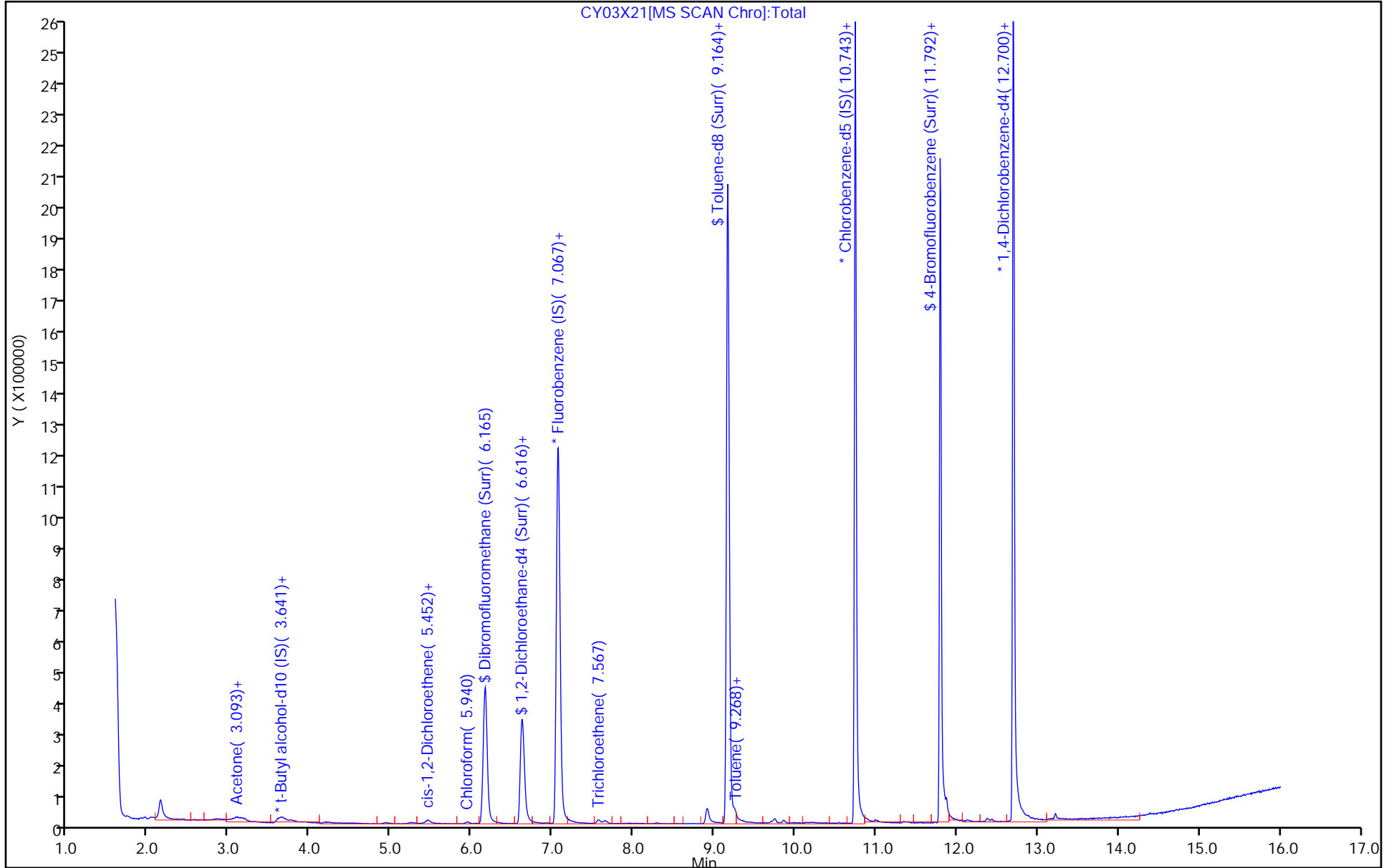
ALS Bottle#: 21

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\20230503-83144.b\CY03X21.D
 Lims ID: 410-124489-A-10
 Client ID: HD-COD-SW-27-0/1-0
 Sample Type: Client
 Inject. Date: 04-May-2023 04:15:30 ALS Bottle#: 21 Worklist Smp#: 23
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-023
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:42:54 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: DVW2

Date: 04-May-2023 15:35:35

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	9.33	93.29
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.59	95.87
\$ 83 Toluene-d8 (Surr)	10.0	10.8	107.55
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.42	94.22

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X21.D

Injection Date: 04-May-2023 04:15:30

Instrument ID: 10193

Lims ID: 410-124489-A-10

Lab Sample ID: 410-124489-10

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

Operator ID: gaw91131

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

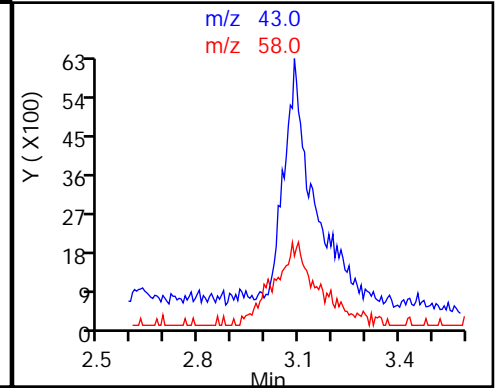
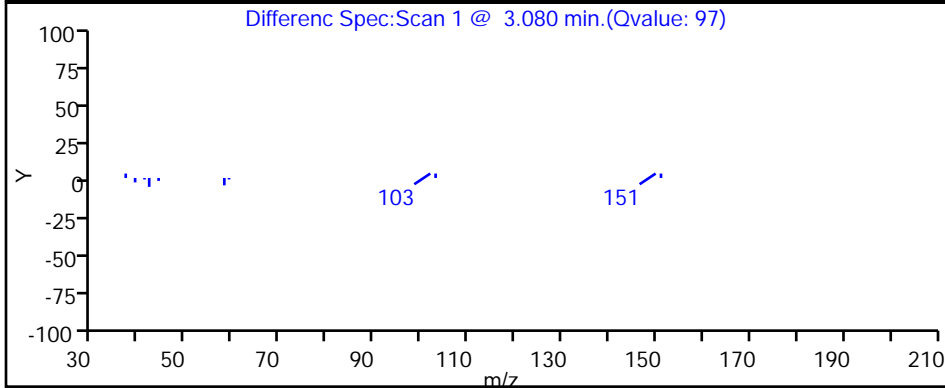
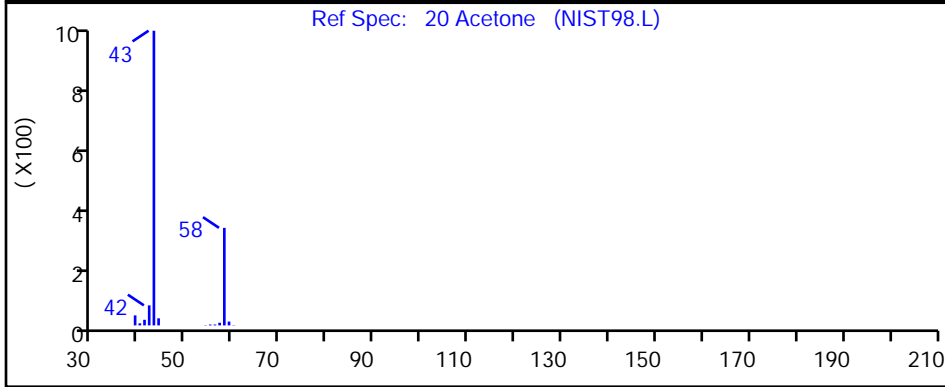
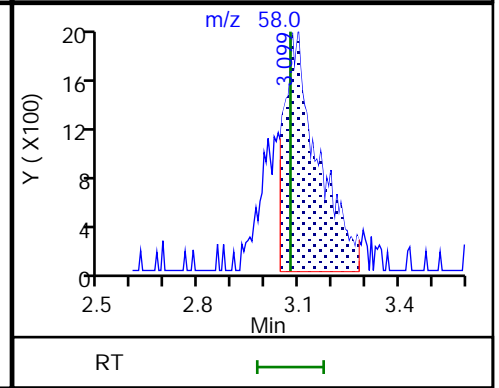
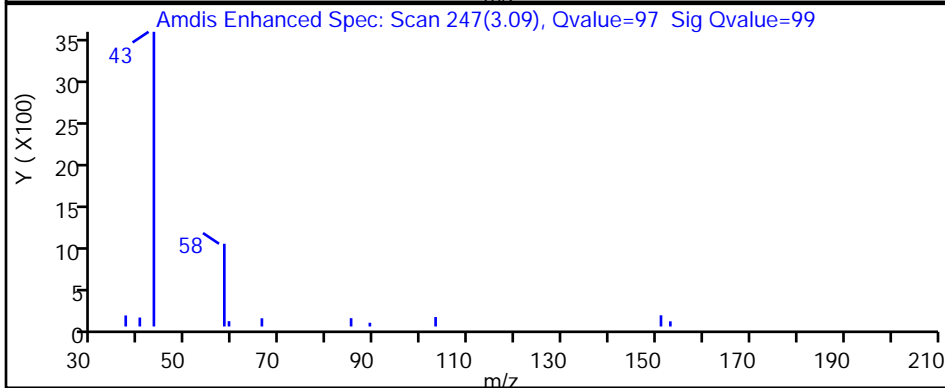
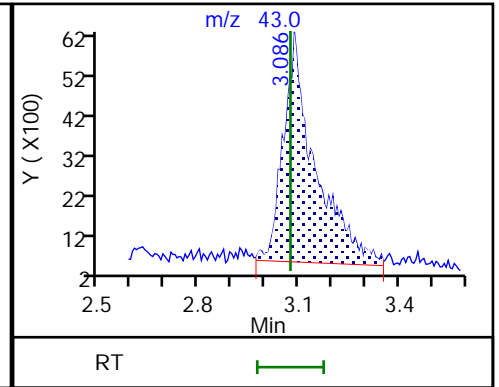
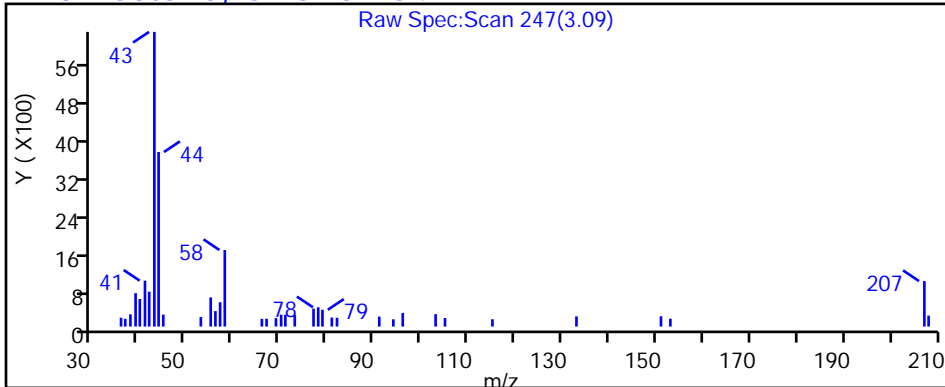
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

20 Acetone, CAS: 67-64-1



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X21.D

Injection Date: 04-May-2023 04:15:30

Instrument ID: 10193

Lims ID: 410-124489-A-10

Lab Sample ID: 410-124489-10

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

Operator ID: gaw91131

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

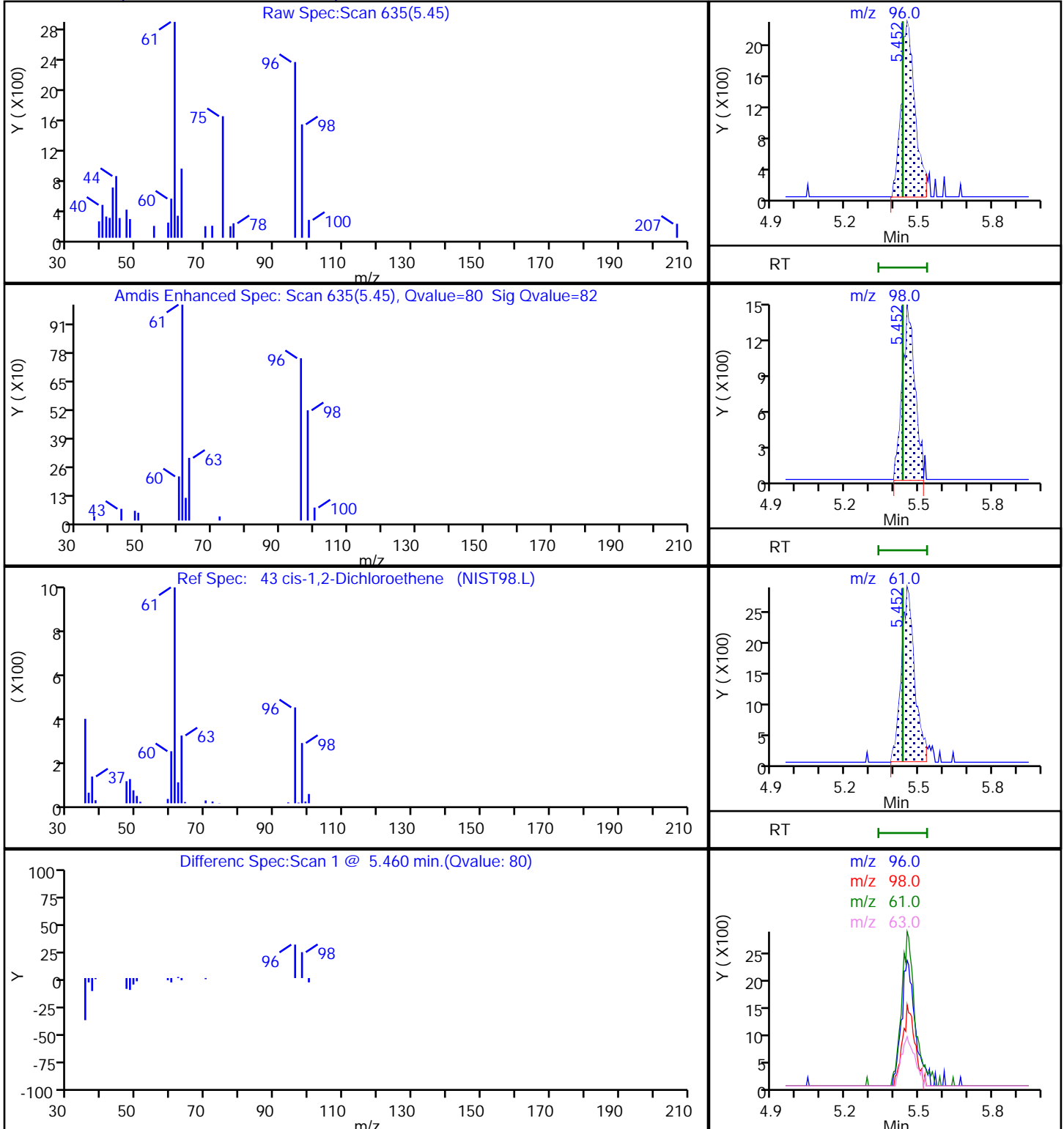
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X21.D

Injection Date: 04-May-2023 04:15:30

Instrument ID: 10193

Lims ID: 410-124489-A-10

Lab Sample ID: 410-124489-10

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

Operator ID: gaw91131

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

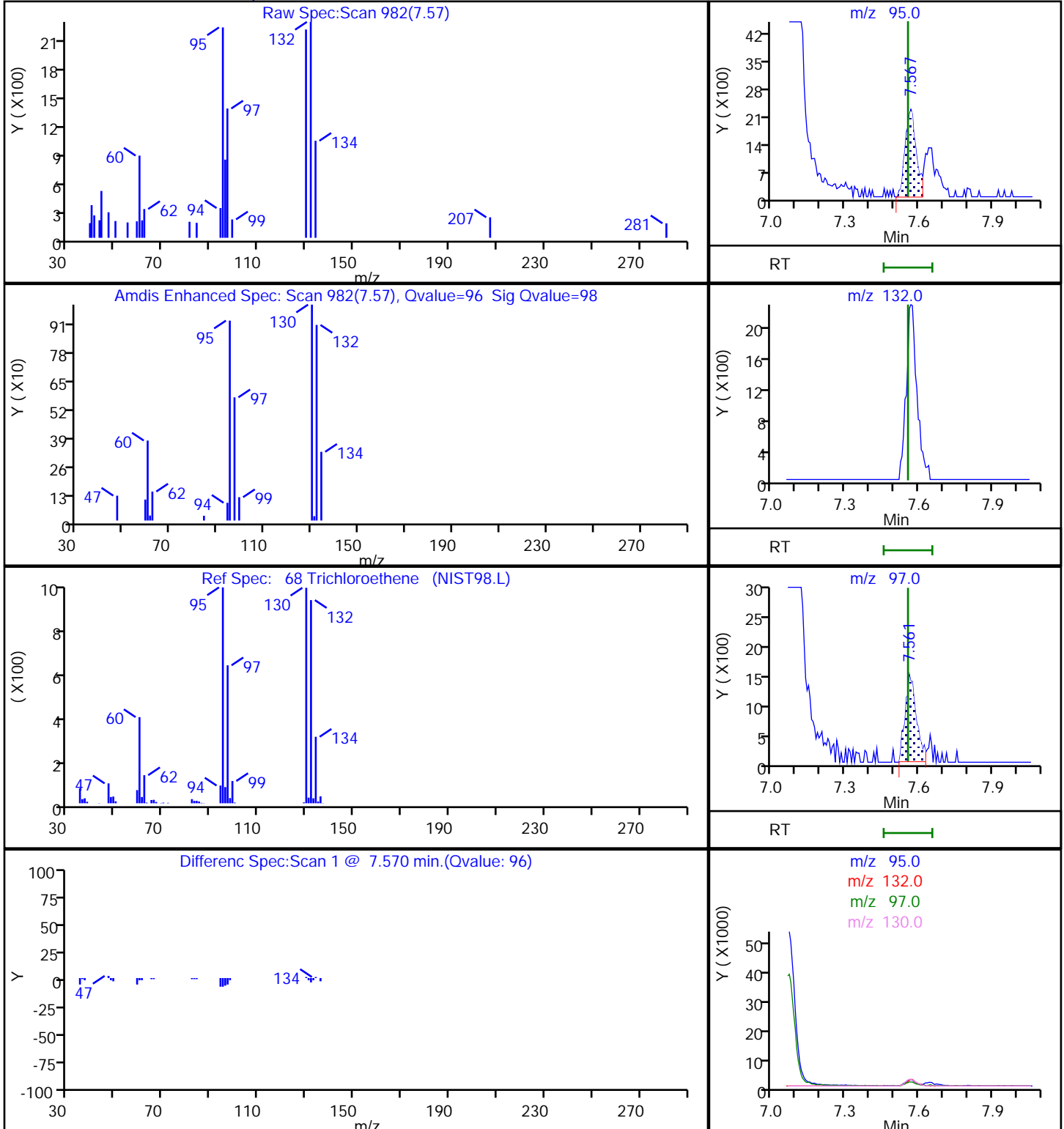
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

68 Trichloroethene, CAS: 79-01-6

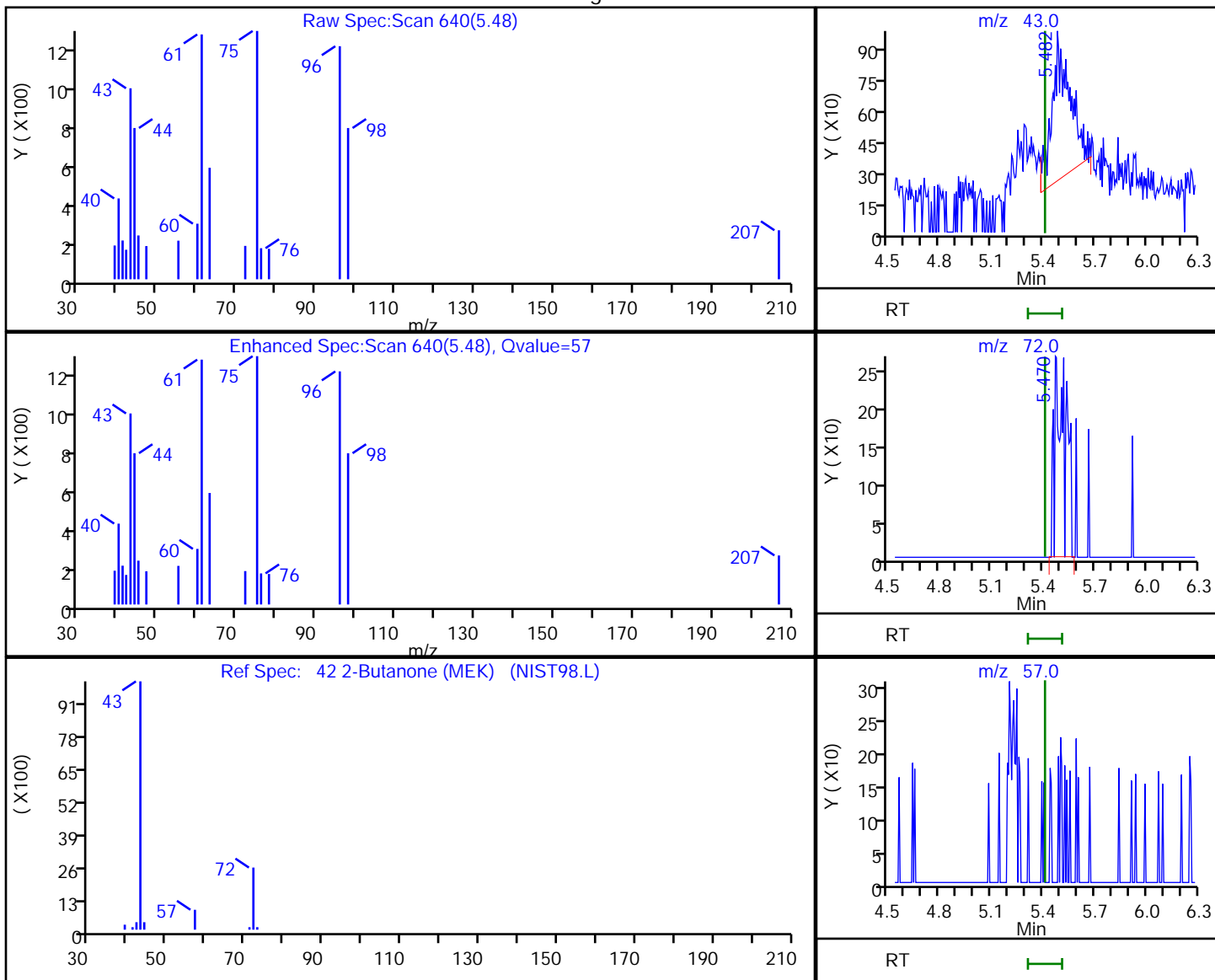


Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfms\Lancaster\ChromData\10193\20230503-83144.b\CY03X21.D
 Injection Date: 04-May-2023 04:15:30 Instrument ID: 10193
 Lims ID: 410-124489-A-10 Lab Sample ID: 410-124489-10
 Client ID: HD-COD-SW-27-0/1-0
 Operator ID: gaw91131 ALS Bottle#: 21 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 i.d.) Detector: MS Quad

42 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
5.48	43.00	5158	0.364342
5.47	72.00	1189	
5.41	57.00	0	

Reviewer: DVW2, 04-May-2023 15:35:06 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

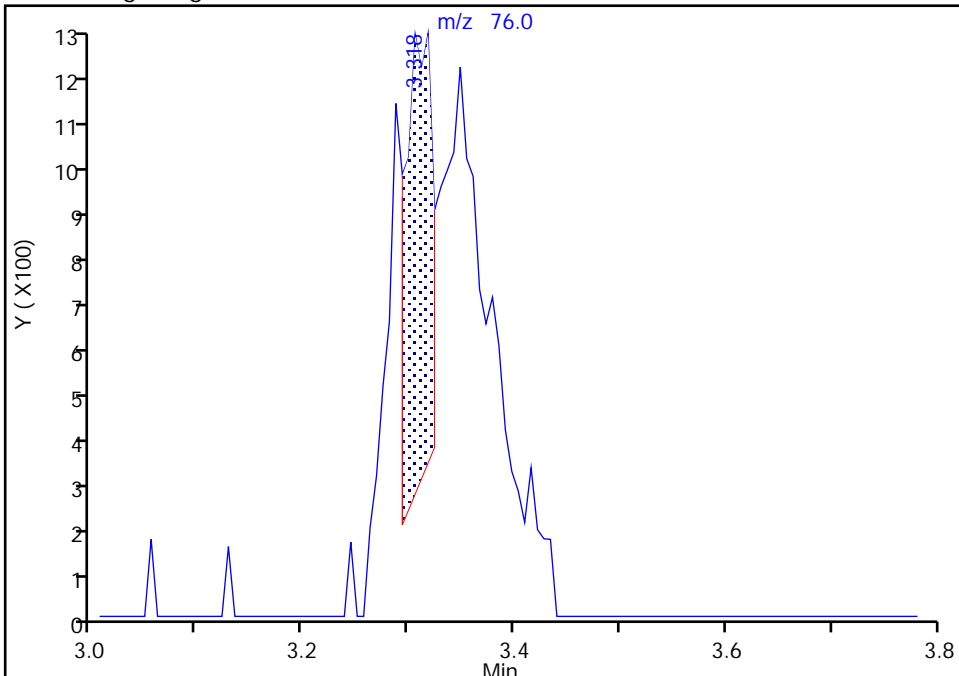
Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X21.D
Injection Date: 04-May-2023 04:15:30 Instrument ID: 10193
Lims ID: 410-124489-A-10 Lab Sample ID: 410-124489-10
Client ID: HD-COD-SW-27-0/1-0
Operator ID: gaw91131 ALS Bottle#: 21 Worklist Smp#: 23
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

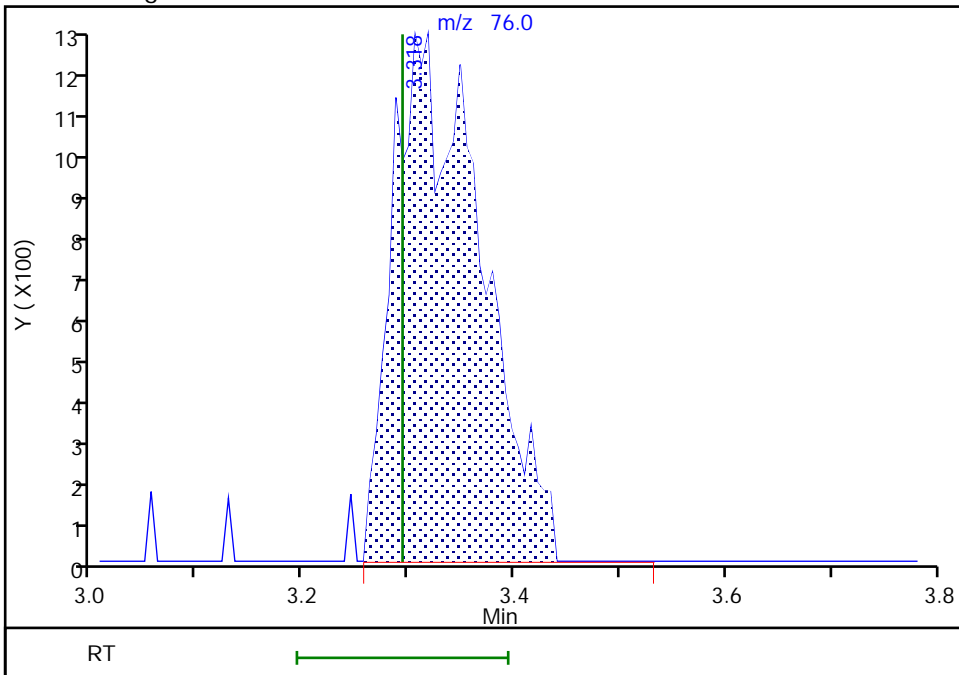
RT: 3.32
Area: 1792
Amount: 0.010211
Amount Units: ug/l

Processing Integration Results



RT: 3.32
Area: 7400
Amount: 0.042165
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-May-2023 15:35:00 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

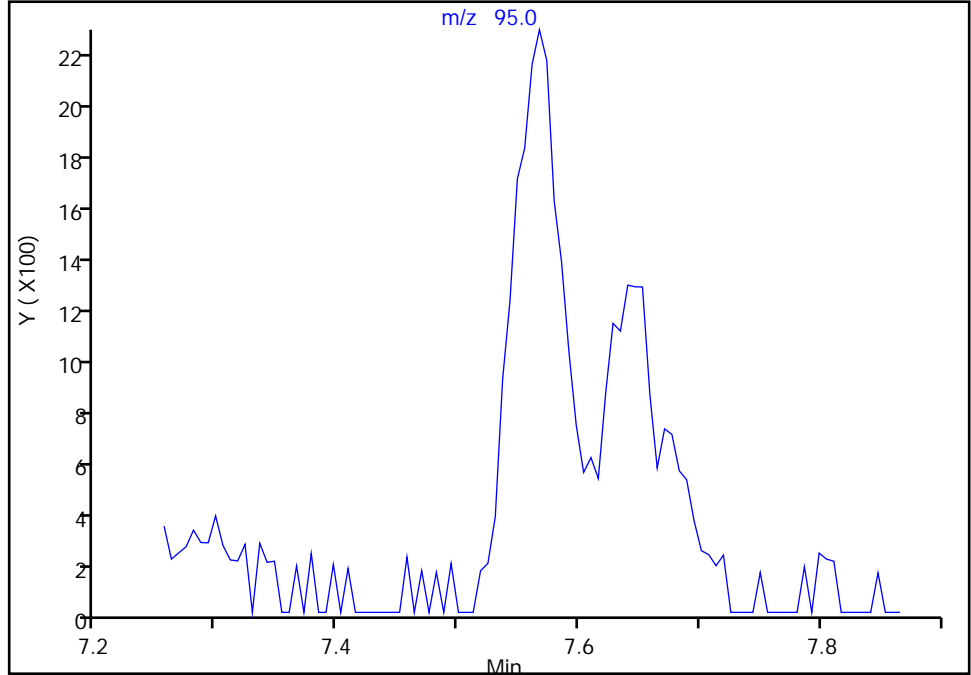
Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X21.D
Injection Date: 04-May-2023 04:15:30 Instrument ID: 10193
Lims ID: 410-124489-A-10 Lab Sample ID: 410-124489-10
Client ID: HD-COD-SW-27-0/1-0
Operator ID: gaw91131 ALS Bottle#: 21 Worklist Smp#: 23
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 Trichloroethene, CAS: 79-01-6

Signal: 1

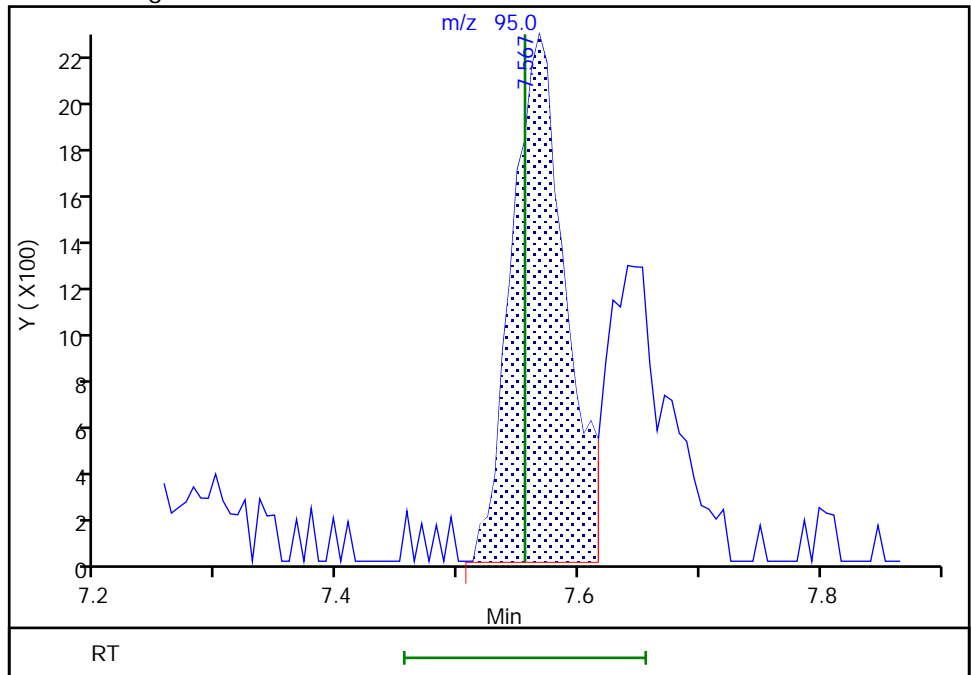
Not Detected
Expected RT: 7.56

Processing Integration Results



Manual Integration Results

RT: 7.57
Area: 6868
Amount: 0.101600
Amount Units: ug/l



Reviewer: DVW2, 04-May-2023 15:35:20 -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.: 410-124489-1

SDG No.:

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

Lab Sample ID: 410-124489-11

Matrix: Water

Lab File ID: CY04X17.D

Analysis Method: 8260D

Date Collected: 04/27/2023 14:00

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 14:52

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.: 372041

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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	4.7	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	^c cn	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	^c cn	0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	0.12	J ^c cn	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.16	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.10
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.21	J	0.50	0.20
108-88-3	Toluene	0.10	J	0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

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

Lab Sample ID: 410-124489-11

Matrix: Water

Lab File ID: CY04X17.D

Analysis Method: 8260D

Date Collected: 04/27/2023 14:00

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 14:52

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.: 372041

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	^c cn	0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	94		80-120
2037-26-5	Toluene-d8 (Surr)	108		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
 Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X17.D
 Lims ID: 410-124489-A-11
 Client ID: HD-COD-SW-28-0/1-0
 Sample Type: Client
 Inject. Date: 04-May-2023 14:52:30 ALS Bottle#: 17 Worklist Smp#: 18
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083176-018
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-May-2023 12:47:41 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1661

First Level Reviewer: kaewrungrueangp Date: 05-May-2023 12:47:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.892	1.898	-0.006	99	10338	0.1219	
6 Vinyl chloride	62		1.995				ND	7
9 Bromomethane	94		2.282				ND	7
10 Chloroethane	64		2.337				ND	
18 1,1-Dichloroethene	96		3.050				ND	7
20 Acetone	43	3.074	3.080	-0.006	98	32895	4.66	
25 Carbon disulfide	76	3.294	3.306	-0.012	94	5171	0.0304	
30 Methylene Chloride	84		3.605				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.635	3.660	-0.025	98	148214	50.0	
34 Methyl tert-butyl ether	73		3.952				ND	7
35 trans-1,2-Dichloroethene	96		3.952				ND	
37 1,1-Dichloroethane	63		4.586				ND	
42 2-Butanone (MEK)	43		5.415				ND	7
43 cis-1,2-Dichloroethene	96	5.452	5.446	0.006	78	10197	0.1562	a
48 Chlorobromomethane	128		5.781				ND	
50 Chloroform	83	5.940	5.940	0.000	92	9099	0.0842	a
53 1,1,1-Trichloroethane	97		6.159				ND	7
\$ 54 Dibromofluoromethane (Surr)	113	6.153	6.165	-0.012	94	472333	9.40	
56 Carbon tetrachloride	117		6.373				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.610	6.616	-0.006	99	97119	9.80	
60 Benzene	78		6.647				ND	7
61 1,2-Dichloroethane	62		6.720				ND	
* 65 Fluorobenzene (IS)	96	7.061	7.061	0.000	99	1930205	10.0	
68 Trichloroethene	95	7.561	7.555	0.006	92	7443	0.1138	
70 1,2-Dichloropropane	63		7.891				ND	
76 Dichlorobromomethane	83		8.256				ND	7
80 cis-1,3-Dichloropropene	75		8.829				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.037				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.158	9.165	-0.007	93	2001770	10.8	
84 Toluene	92	9.244	9.250	-0.006	98	14824	0.1038	
85 trans-1,3-Dichloropropene	75		9.555				ND	
87 1,1,2-Trichloroethane	97		9.774				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166	9.860	9.854	0.006	97	13942	0.2068	
106 2-Hexanone	43		10.018				ND	7
108 Chlorodibromomethane	129		10.171				ND	
110 Ethylene Dibromide	107		10.280				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.744	0.000	85	1550450	10.0	
113 Chlorobenzene	112		10.774				ND	
114 1,1,1,2-Tetrachloroethane	131		10.859				ND	
115 Ethylbenzene	91		10.866				ND	7
116 m-Xylene & p-Xylene	106		10.987				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.335				ND	7
119 Styrene	104		11.353				ND	7
120 Bromoform	173		11.506				ND	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	94	731167	9.24	
126 1,1,2,2-Tetrachloroethane	83		11.908				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.700	12.701	-0.001	94	916179	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00067

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X17.D

Injection Date: 04-May-2023 14:52:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: 410-124489-A-11

Lab Sample ID: 410-124489-11

Worklist Smp#: 18

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

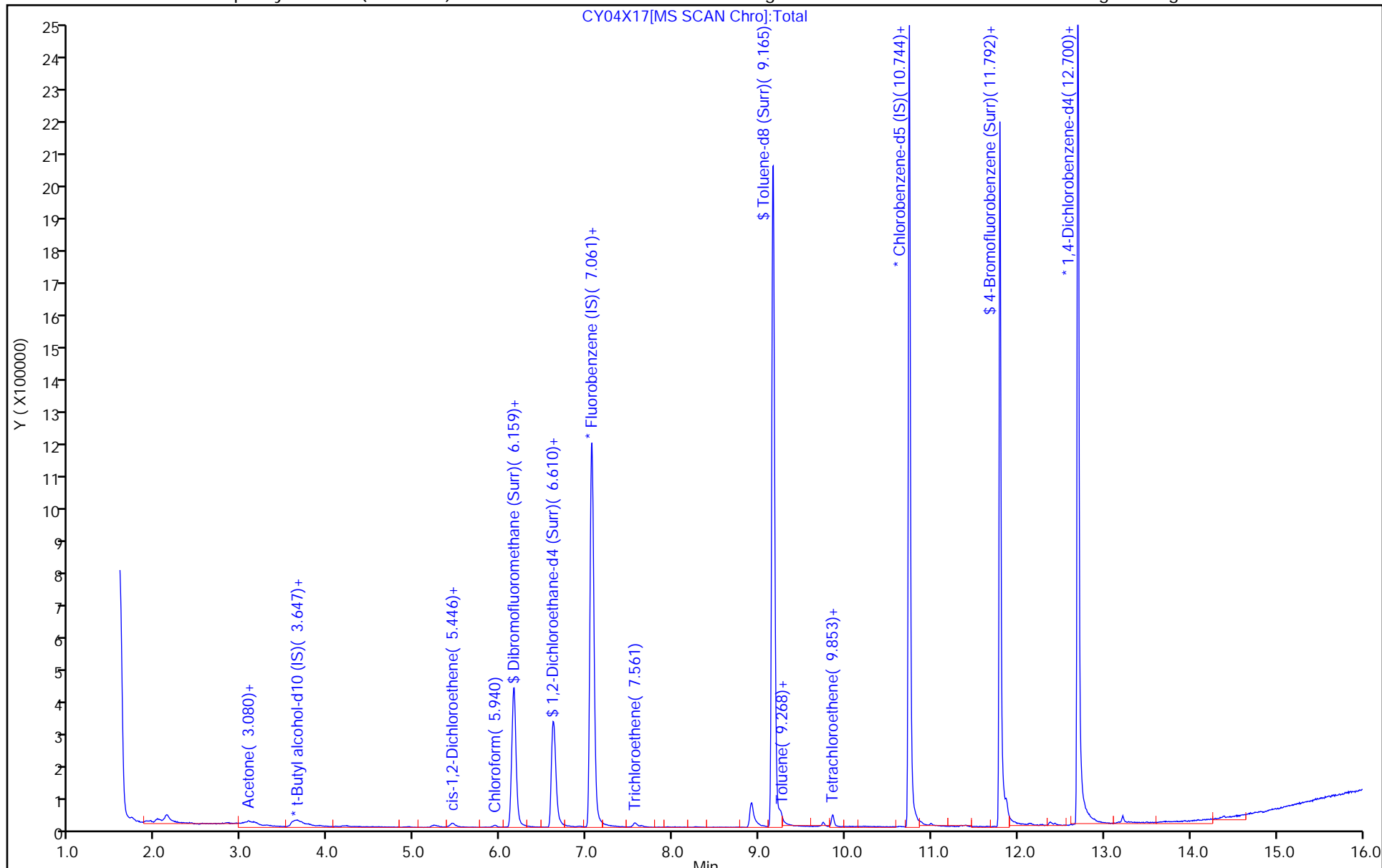
ALS Bottle#: 17

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\20230504-83176.b\CY04X17.D
 Lims ID: 410-124489-A-11
 Client ID: HD-COD-SW-28-0/1-0
 Sample Type: Client
 Inject. Date: 04-May-2023 14:52:30 ALS Bottle#: 17 Worklist Smp#: 18
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083176-018
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-May-2023 12:47:41 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1661

First Level Reviewer: kaewrungrueangp Date: 05-May-2023 12:47:41

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	9.40	93.96
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.80	98.03
\$ 83 Toluene-d8 (Surr)	10.0	10.8	108.10
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.24	92.38

Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X17.D

Injection Date: 04-May-2023 14:52:30

Instrument ID: 10193

Lims ID: 410-124489-A-11

Lab Sample ID: 410-124489-11

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

Operator ID: knk41612

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

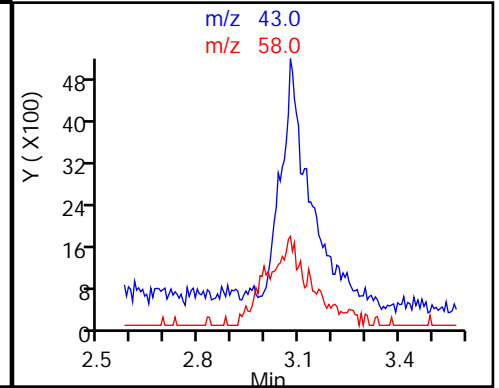
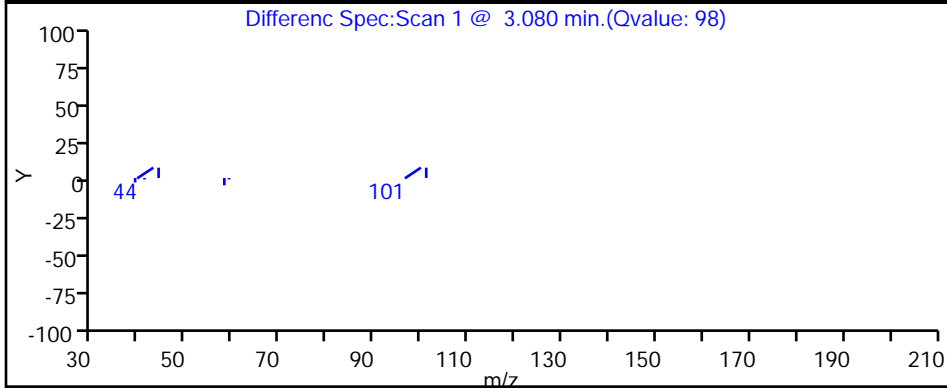
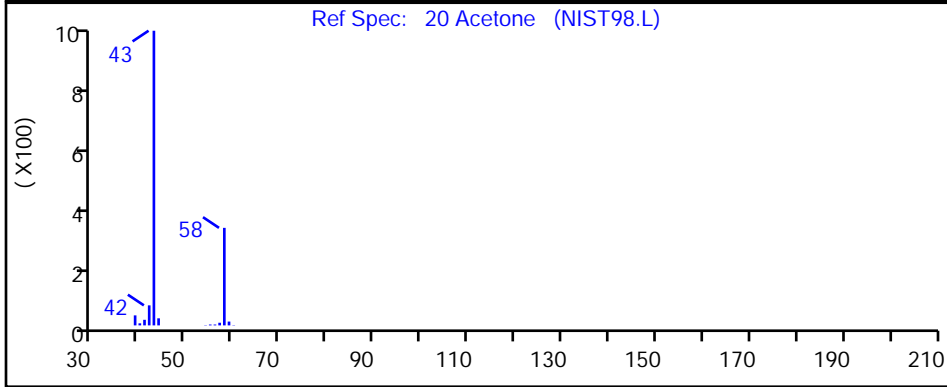
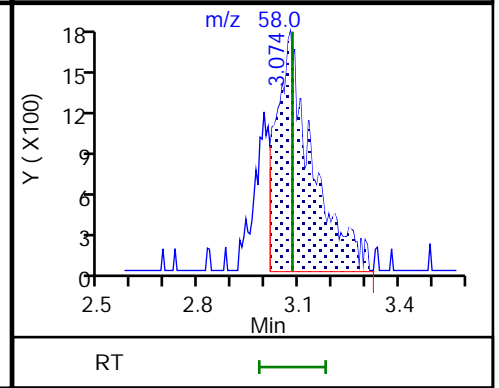
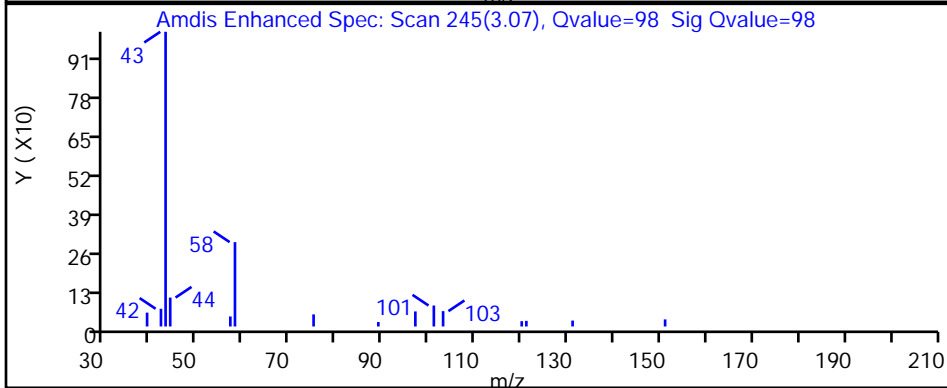
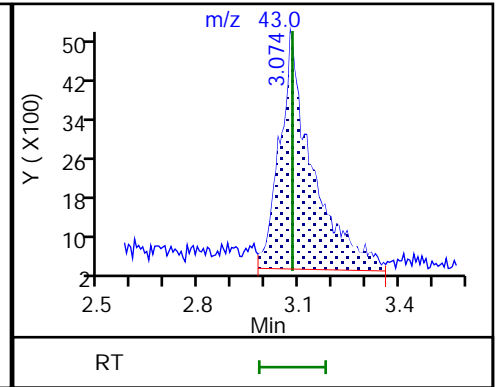
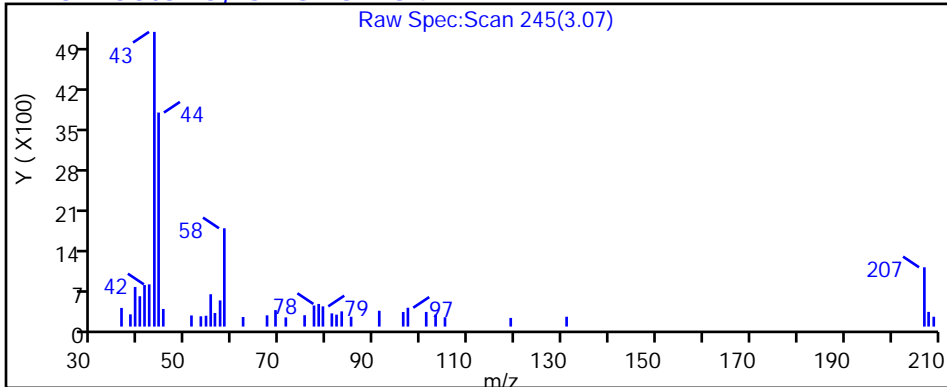
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

20 Acetone, CAS: 67-64-1



Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X17.D

Injection Date: 04-May-2023 14:52:30

Instrument ID: 10193

Lims ID: 410-124489-A-11

Lab Sample ID: 410-124489-11

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

Operator ID: knk41612

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

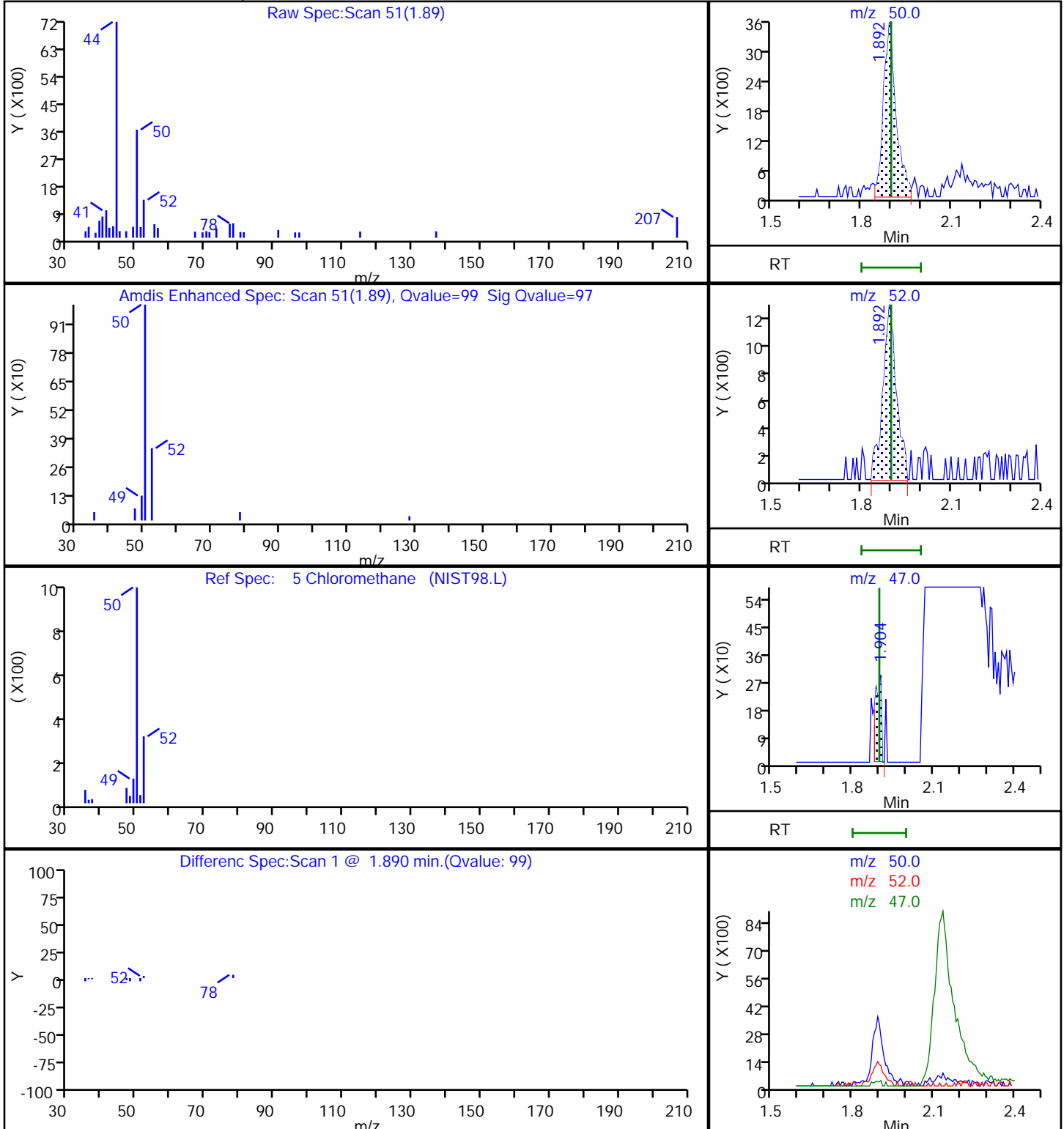
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

5 Chloromethane, CAS: 74-87-3



Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X17.D

Injection Date: 04-May-2023 14:52:30

Instrument ID: 10193

Lims ID: 410-124489-A-11

Lab Sample ID: 410-124489-11

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

Operator ID: knk41612

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

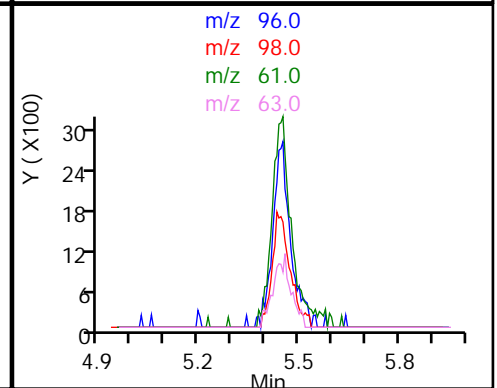
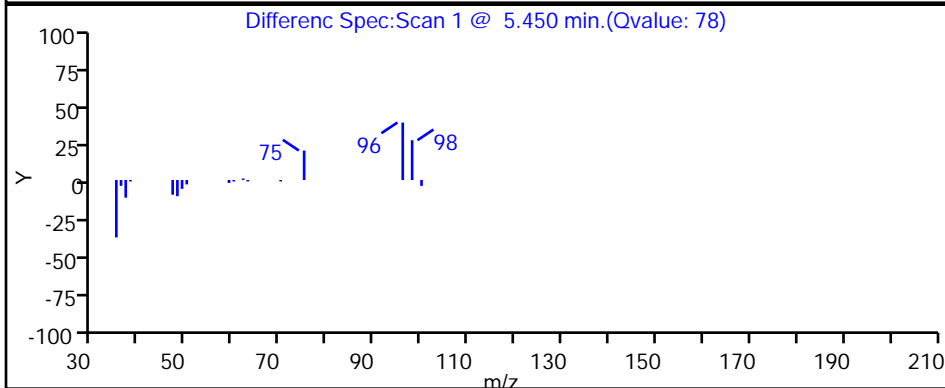
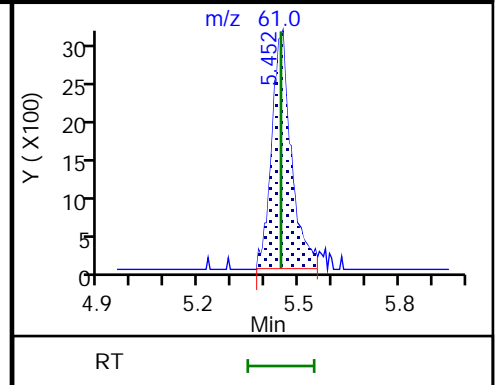
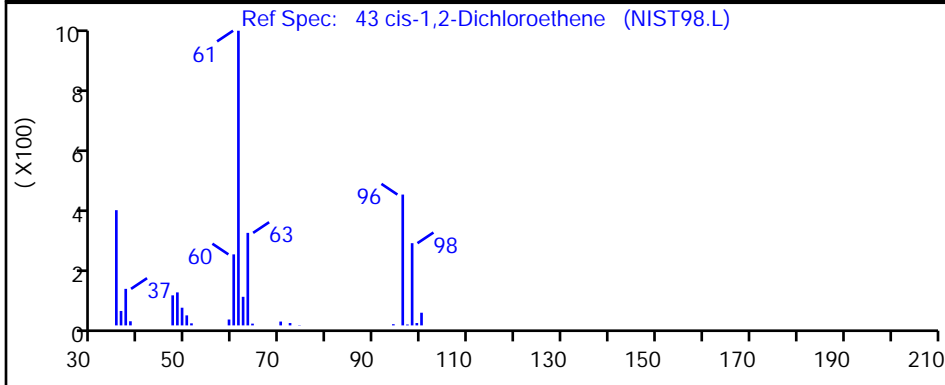
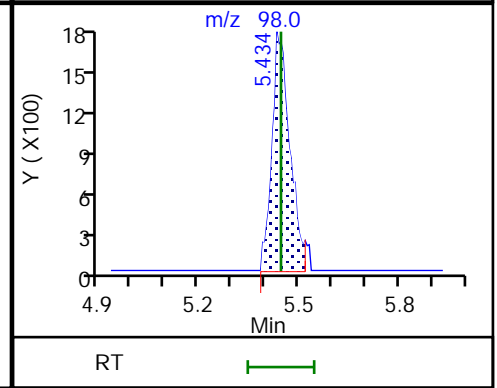
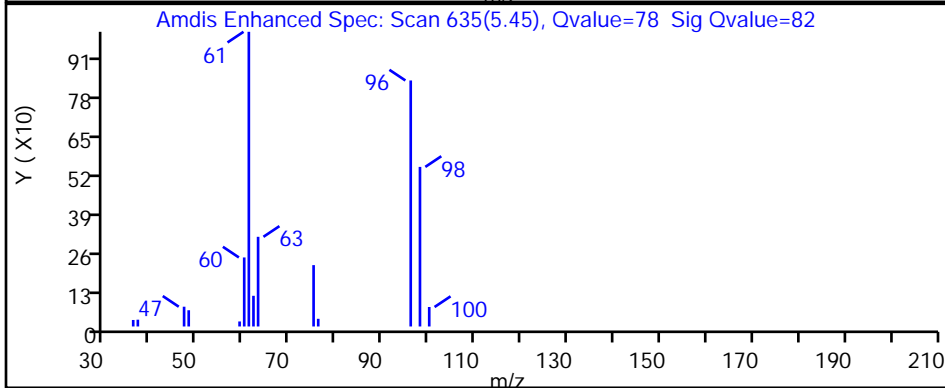
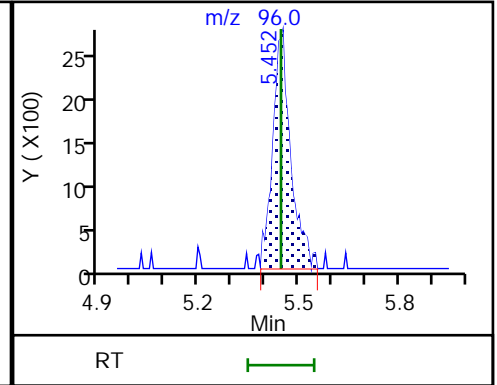
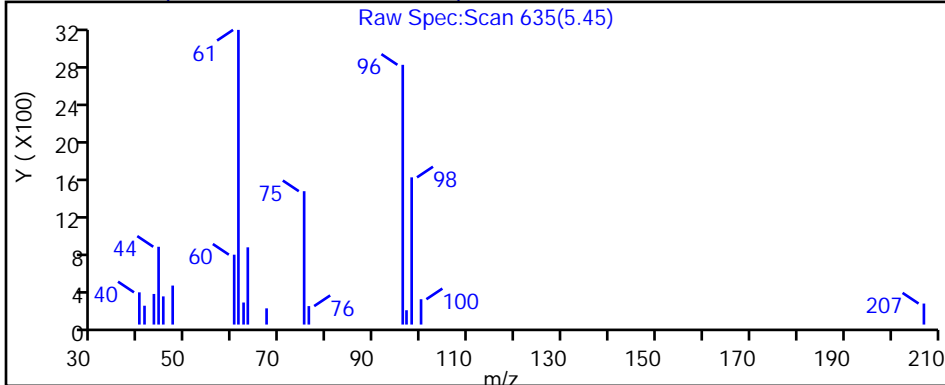
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X17.D

Injection Date: 04-May-2023 14:52:30

Instrument ID: 10193

Lims ID: 410-124489-A-11

Lab Sample ID: 410-124489-11

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

Operator ID: knk41612

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

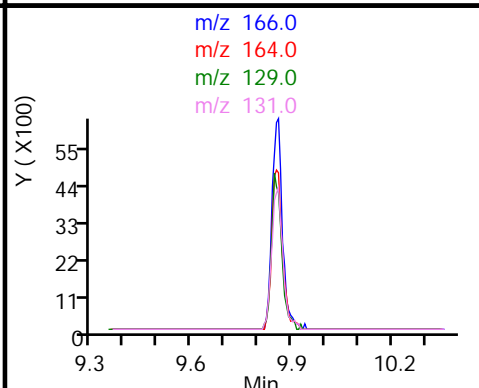
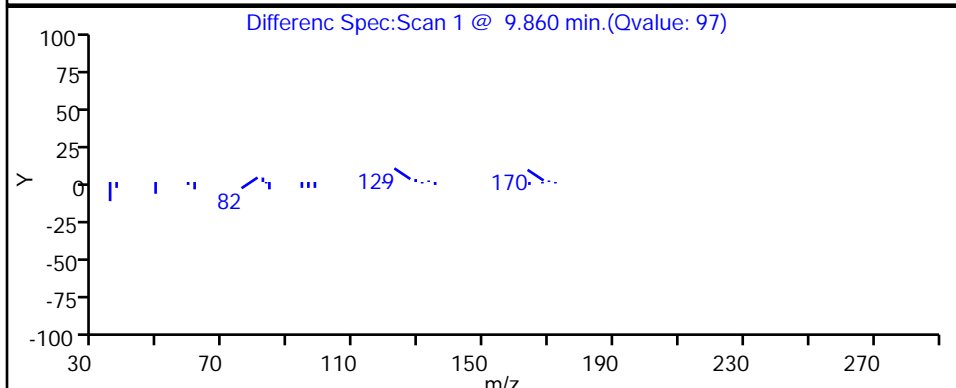
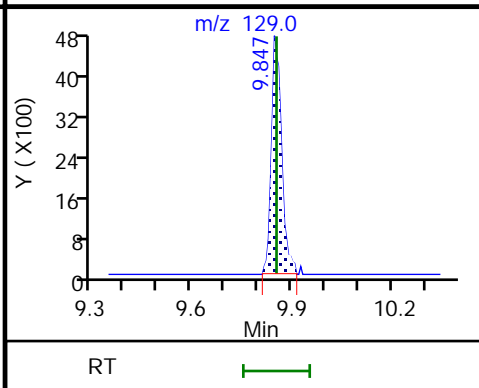
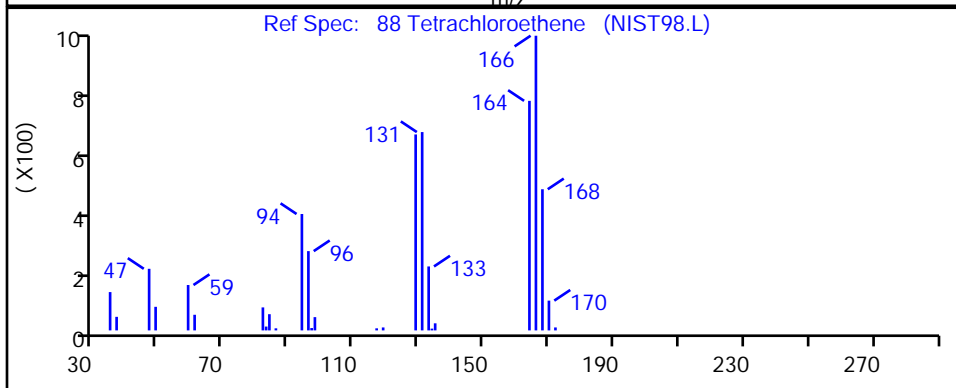
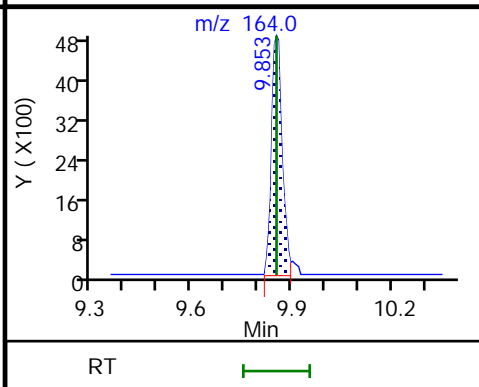
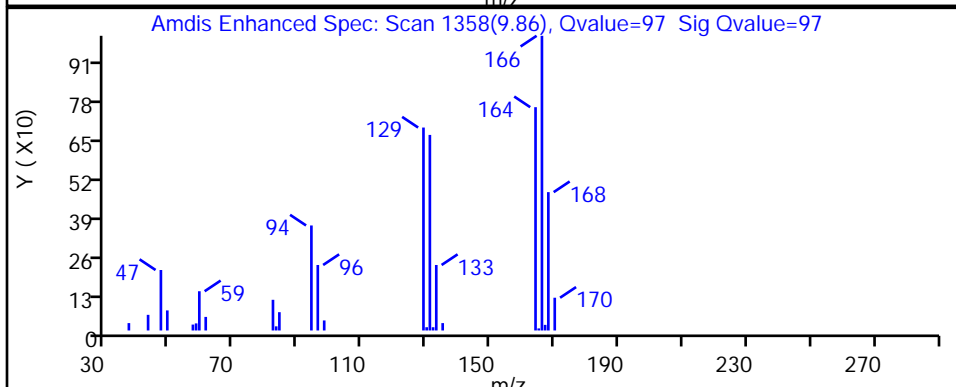
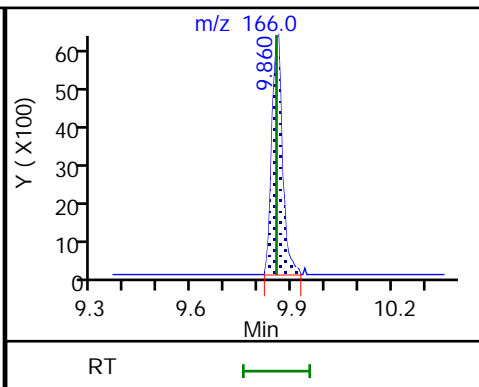
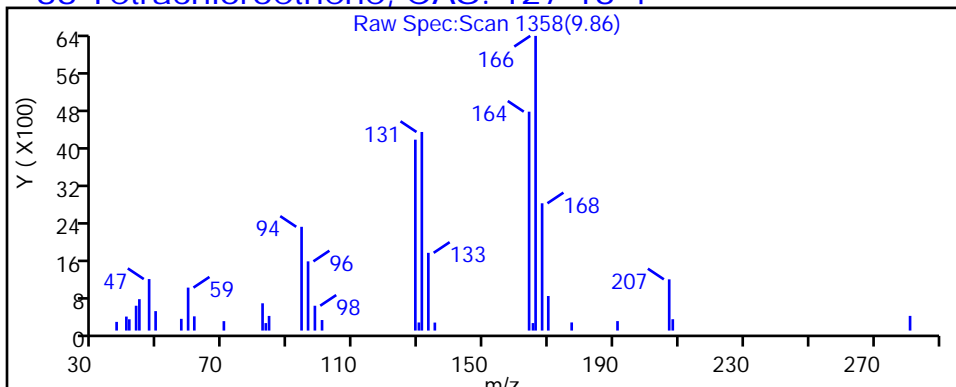
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

88 Tetrachloroethene, CAS: 127-18-4



Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X17.D

Injection Date: 04-May-2023 14:52:30

Instrument ID: 10193

Lims ID: 410-124489-A-11

Lab Sample ID: 410-124489-11

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

Operator ID: knk41612

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

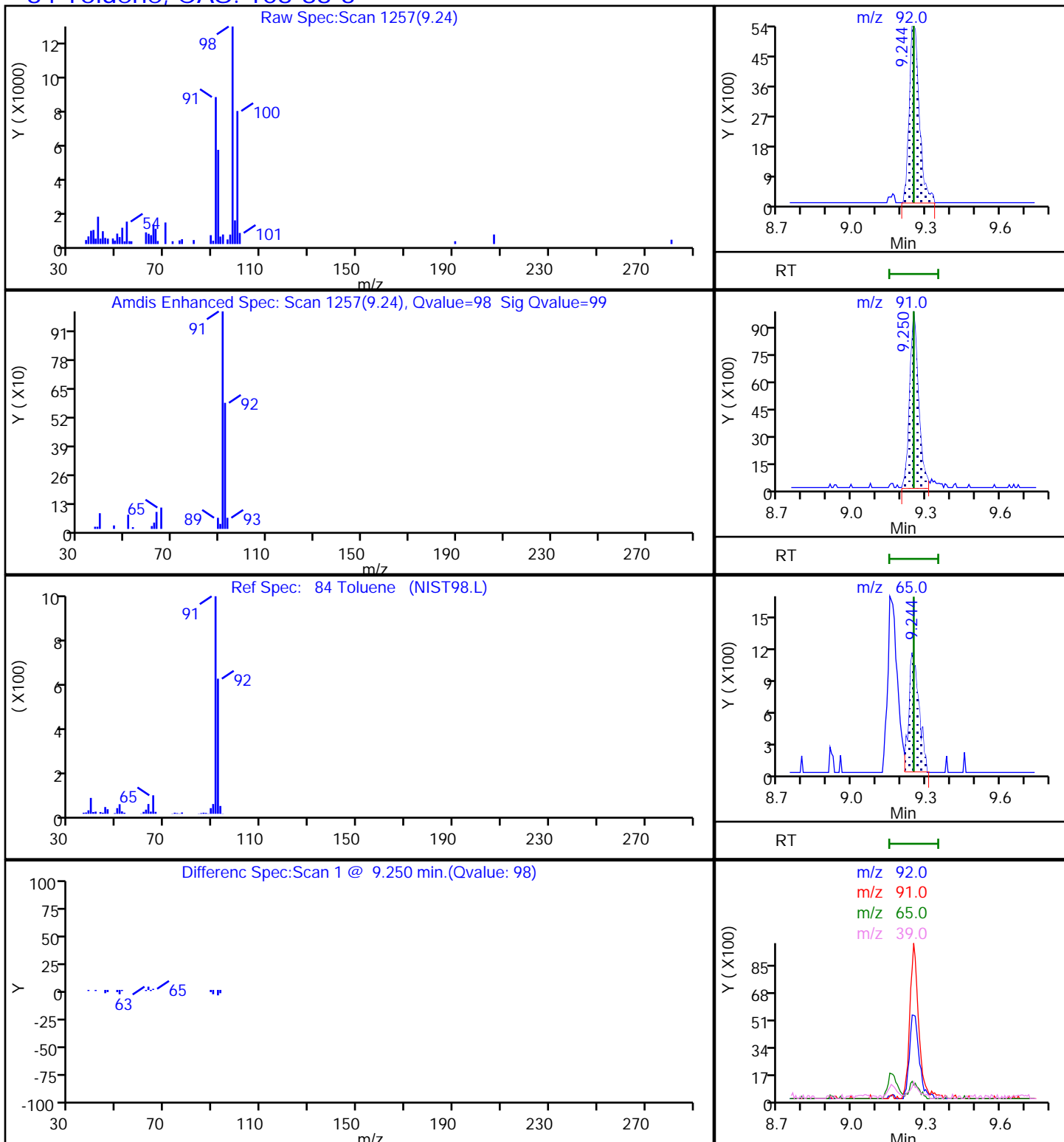
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

84 Toluene, CAS: 108-88-3



Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X17.D

Injection Date: 04-May-2023 14:52:30

Instrument ID: 10193

Lims ID: 410-124489-A-11

Lab Sample ID: 410-124489-11

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

Operator ID: knk41612

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

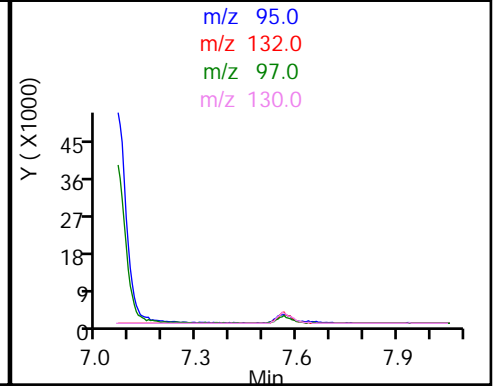
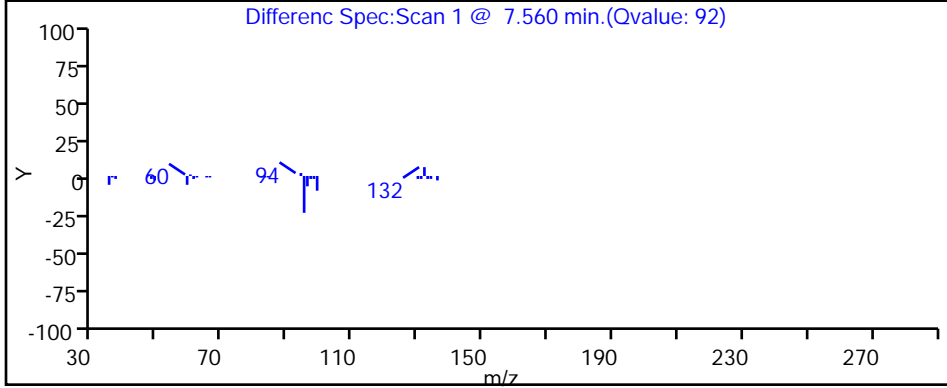
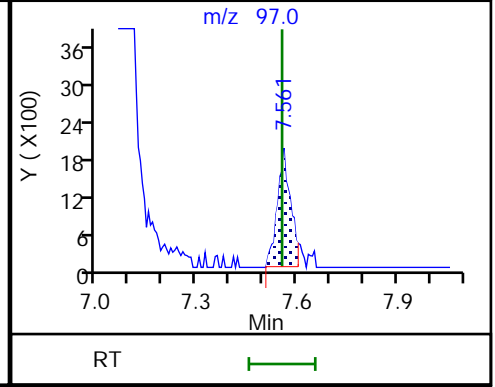
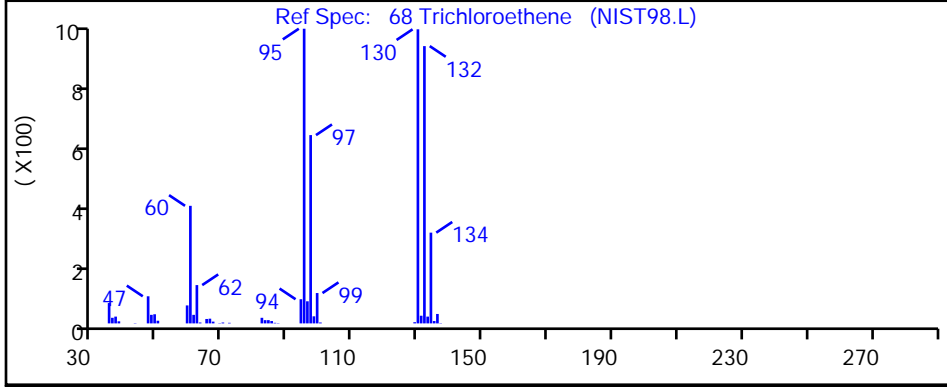
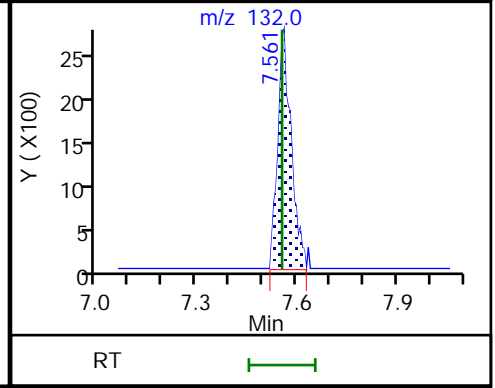
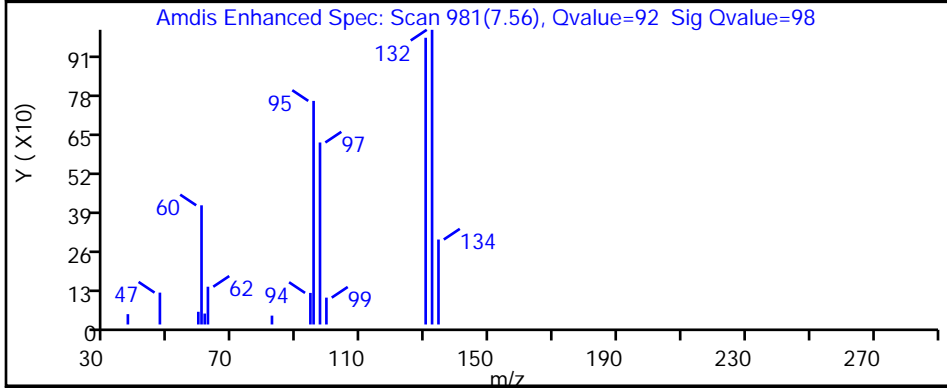
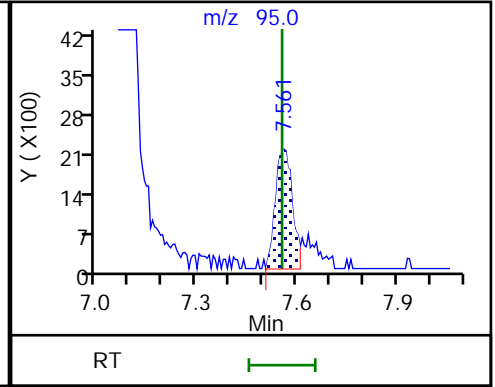
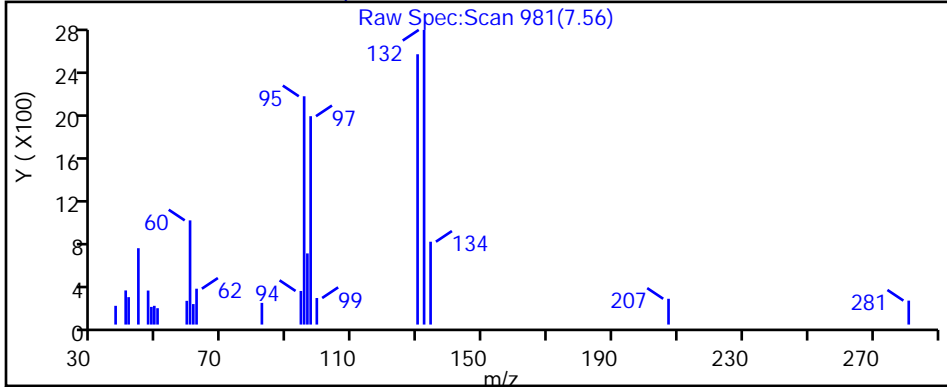
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

68 Trichloroethene, CAS: 79-01-6



Eurofins Lancaster Laboratories Environment Testing, LLC

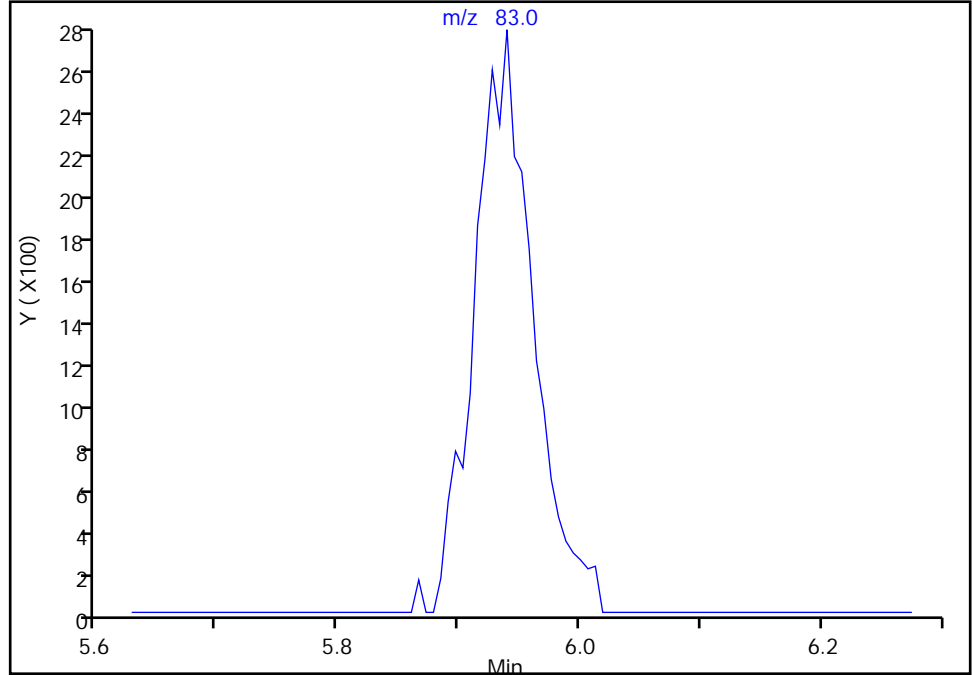
Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X17.D
Injection Date: 04-May-2023 14:52:30 Instrument ID: 10193
Lims ID: 410-124489-A-11 Lab Sample ID: 410-124489-11
Client ID: HD-COD-SW-28-0/1-0
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

50 Chloroform, CAS: 67-66-3

Signal: 1

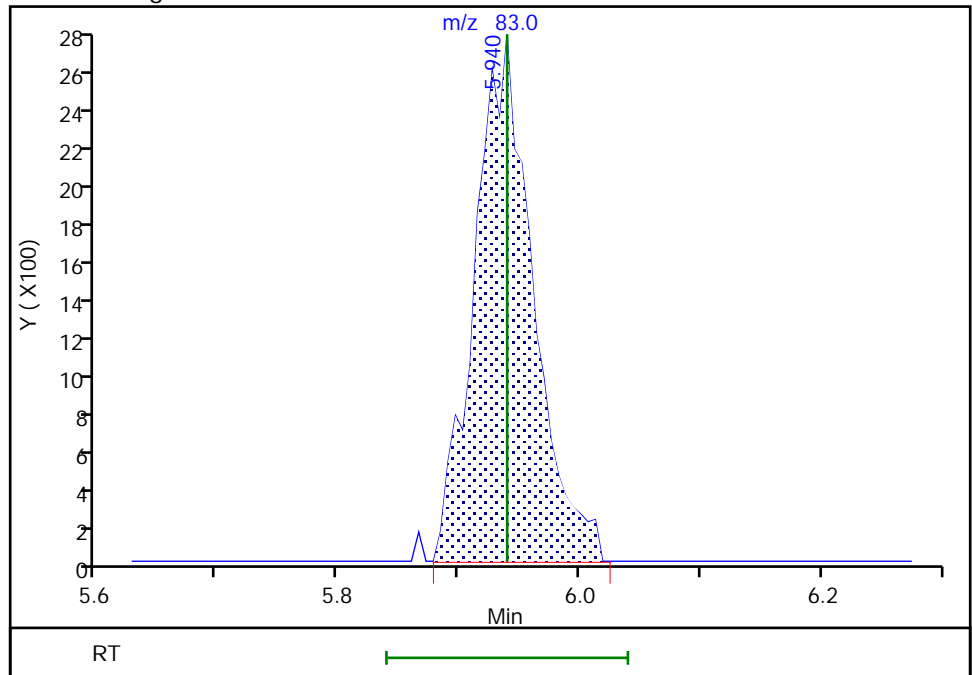
Not Detected
Expected RT: 5.94

Processing Integration Results



Manual Integration Results

RT: 5.94
Area: 9099
Amount: 0.084172
Amount Units: ug/l



Reviewer: kaewrungrueangp, 05-May-2023 12:47:27 07:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

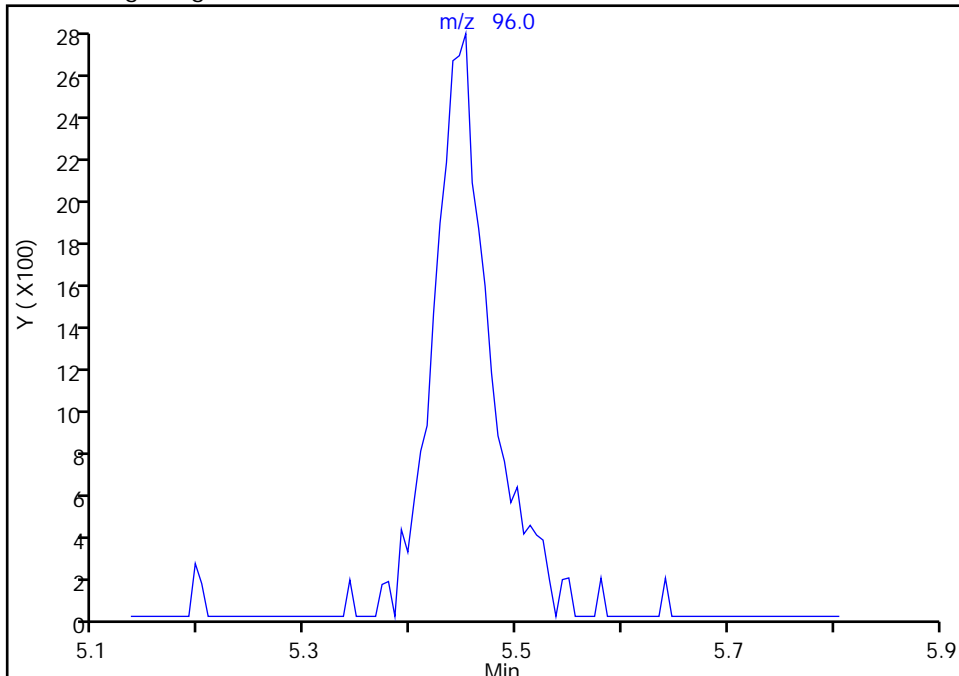
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Injection Date: 04-May-2023 14:52:30 Instrument ID: 10193
Lims ID: 410-124489-A-11 Lab Sample ID: 410-124489-11
Client ID: HD-COD-SW-28-0/1-0
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

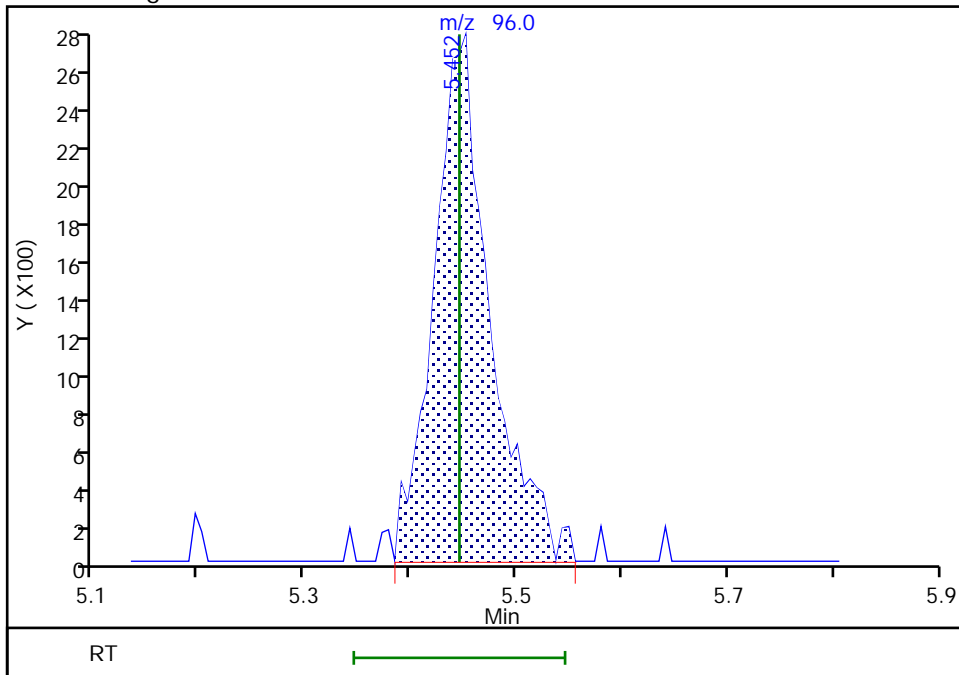
Not Detected
Expected RT: 5.45

Processing Integration Results



Manual Integration Results

RT: 5.45
Area: 10197
Amount: 0.156213
Amount Units: ug/l



Reviewer: kaewrungrueangp, 05-May-2023 12:47:20 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.: 410-124489-1

SDG No.:

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

Lab Sample ID: 410-124489-12

Matrix: Water

Lab File ID: CY04X18.D

Analysis Method: 8260D

Date Collected: 04/27/2023 09:55

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 15:15

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.: 372041

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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	6.7		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	^c cn	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	^c cn	0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	0.11	J ^c cn	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	0.10
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.20	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.: 410-124489-1

SDG No.:

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

Lab Sample ID: 410-124489-12

Matrix: Water

Lab File ID: CY04X18.D

Analysis Method: 8260D

Date Collected: 04/27/2023 09:55

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 15:15

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.: 372041

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	^c cn	0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	93		80-120
2037-26-5	Toluene-d8 (Surr)	109		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X18.D
 Lims ID: 410-124489-A-12
 Client ID: HD-COD-SW-29-0/1-0
 Sample Type: Client
 Inject. Date: 04-May-2023 15:15:30 ALS Bottle#: 18 Worklist Smp#: 19
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083176-019
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-May-2023 12:49:02 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1661

First Level Reviewer: kaewrungrueangp Date: 05-May-2023 12:49:02

Compound	Sig	RT (min.)	Exp RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.892	1.898	-0.006	98	8923	0.1065	
6 Vinyl chloride	62		1.995				ND	
9 Bromomethane	94		2.282				ND	7
10 Chloroethane	64		2.337				ND	
18 1,1-Dichloroethene	96		3.050				ND	7
20 Acetone	43	3.080	3.080	0.000	98	47572	6.70	M
25 Carbon disulfide	76		3.306				ND	7
30 Methylene Chloride	84		3.605				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.641	3.660	-0.019	97	149094	50.0	
34 Methyl tert-butyl ether	73		3.952				ND	7
35 trans-1,2-Dichloroethene	96		3.952				ND	
37 1,1-Dichloroethane	63		4.586				ND	
42 2-Butanone (MEK)	43		5.415				ND	7
43 cis-1,2-Dichloroethene	96	5.464	5.446	0.018	79	4942	0.0766	a
48 Chlorobromomethane	128		5.781				ND	
50 Chloroform	83	5.934	5.940	-0.006	93	6103	0.0571	
53 1,1,1-Trichloroethane	97		6.159				ND	
\$ 54 Dibromofluoromethane (Surr)	113	6.159	6.165	-0.006	94	460862	9.28	
56 Carbon tetrachloride	117		6.373				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.616	6.616	0.000	98	94653	9.67	
60 Benzene	78		6.647				ND	7
61 1,2-Dichloroethane	62		6.720				ND	
* 65 Fluorobenzene (IS)	96	7.061	7.061	0.000	99	1907768	10.0	
68 Trichloroethene	95	7.567	7.555	0.012	93	3646	0.0564	a
70 1,2-Dichloropropane	63		7.891				ND	
76 Dichlorobromomethane	83		8.256				ND	7
80 cis-1,3-Dichloropropene	75		8.829				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.037				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	93	1984820	10.9	
84 Toluene	92	9.250	9.250	0.000	98	9903	0.0704	
85 trans-1,3-Dichloropropene	75		9.555				ND	
87 1,1,2-Trichloroethane	97		9.774				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166	9.854	9.854	0.000	98	13269	0.1998	
106 2-Hexanone	43		10.018				ND	7
108 Chlorodibromomethane	129		10.171				ND	
110 Ethylene Dibromide	107		10.280				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.744	0.000	85	1527154	10.0	
113 Chlorobenzene	112		10.774				ND	
114 1,1,1,2-Tetrachloroethane	131		10.859				ND	
115 Ethylbenzene	91		10.866				ND	7
116 m-Xylene & p-Xylene	106		10.987				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.335				ND	7
119 Styrene	104		11.353				ND	7
120 Bromoform	173		11.506				ND	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	93	732641	9.40	
126 1,1,2,2-Tetrachloroethane	83		11.908				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.701	12.701	0.000	94	888878	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_00067

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X18.D

Injection Date: 04-May-2023 15:15:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: 410-124489-A-12

Lab Sample ID: 410-124489-12

Worklist Smp#: 19

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

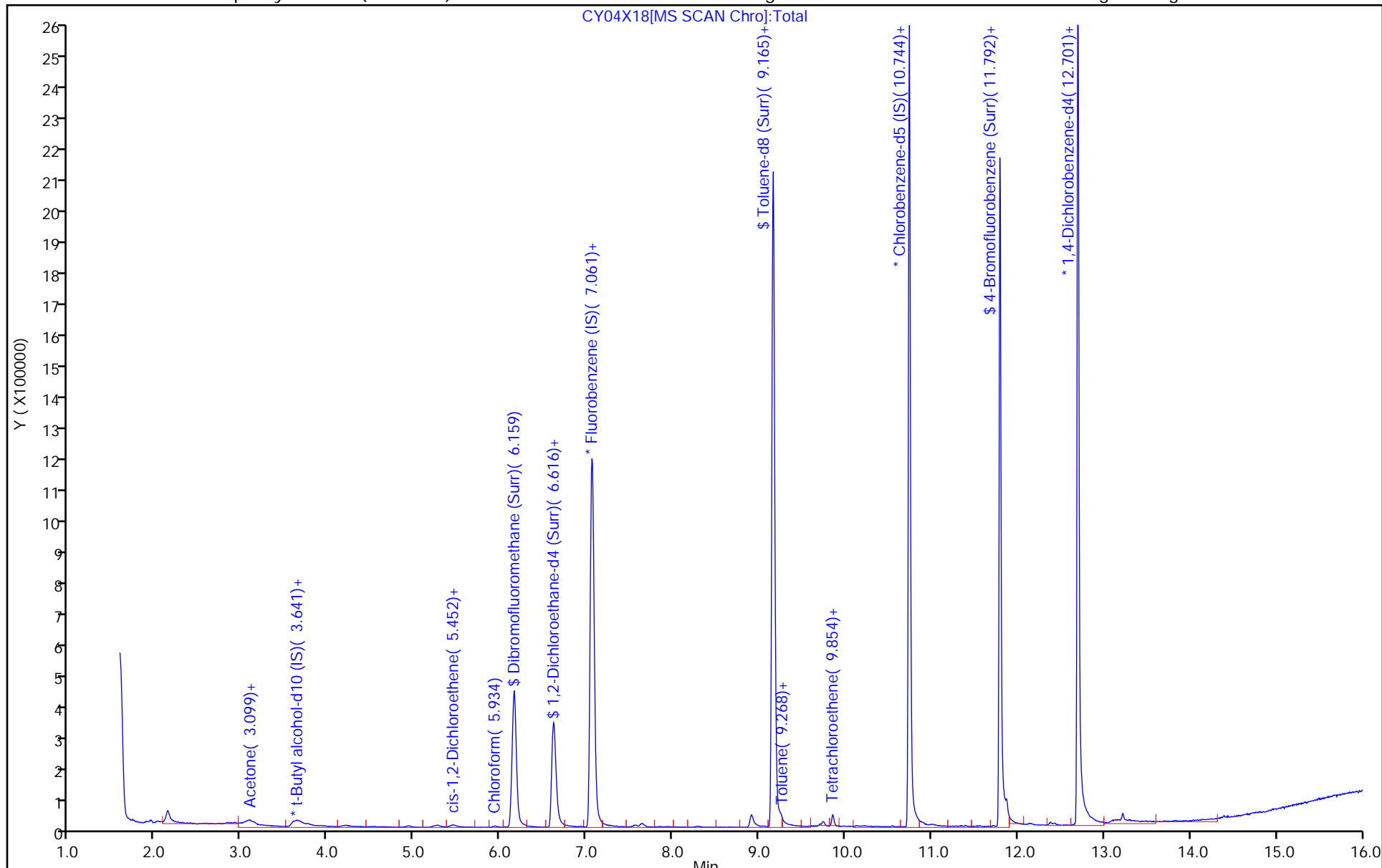
ALS Bottle#: 18

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\20230504-83176.b\CY04X18.D
 Lims ID: 410-124489-A-12
 Client ID: HD-COD-SW-29-0/1-0
 Sample Type: Client
 Inject. Date: 04-May-2023 15:15:30 ALS Bottle#: 18 Worklist Smp#: 19
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083176-019
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-May-2023 12:49:02 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1661

First Level Reviewer: kaewrungrueangp

Date: 05-May-2023 12:49:02

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	9.28	92.76
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.67	96.66
\$ 83 Toluene-d8 (Surr)	10.0	10.9	108.82
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.40	93.98

Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X18.D

Injection Date: 04-May-2023 15:15:30

Instrument ID: 10193

Lims ID: 410-124489-A-12

Lab Sample ID: 410-124489-12

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

Operator ID: knk41612

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

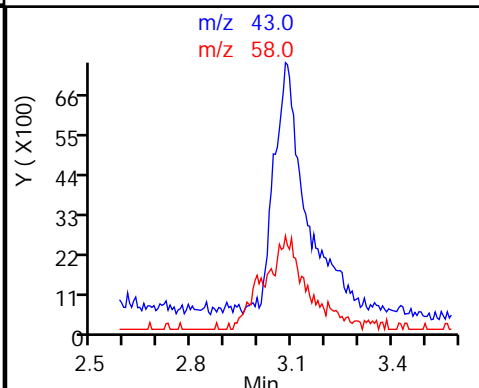
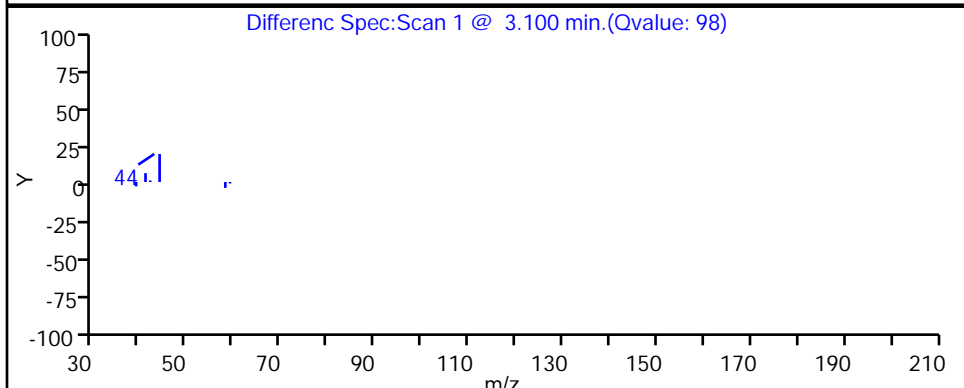
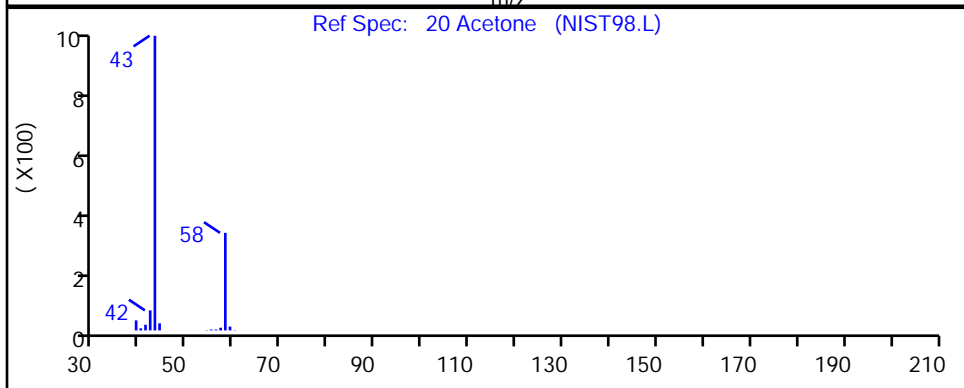
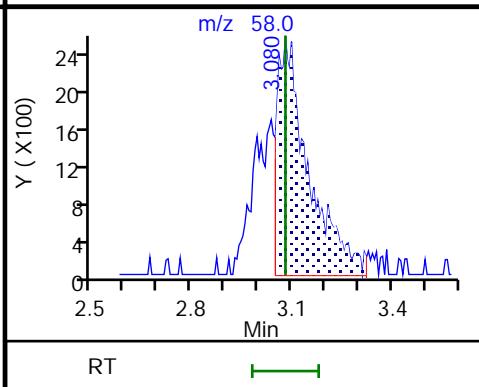
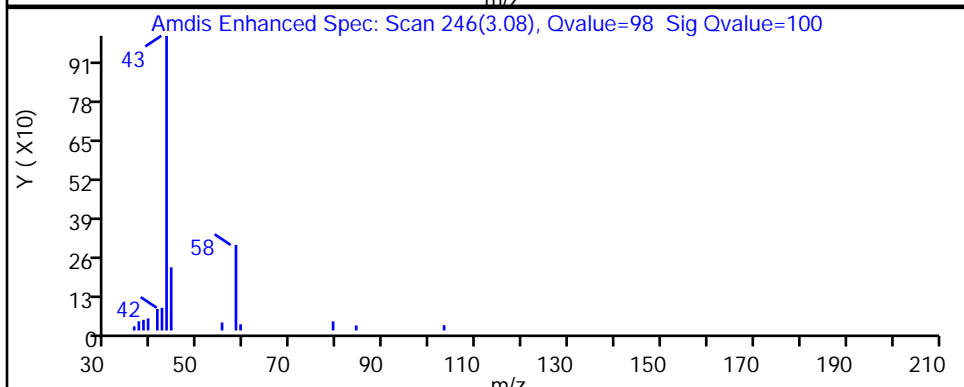
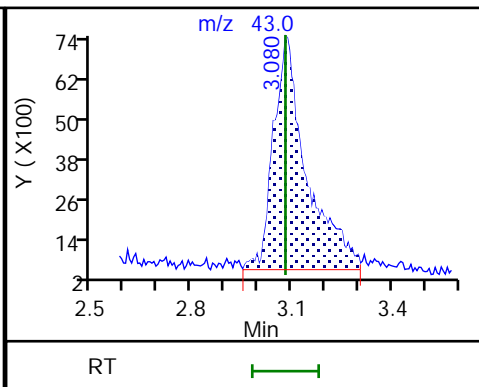
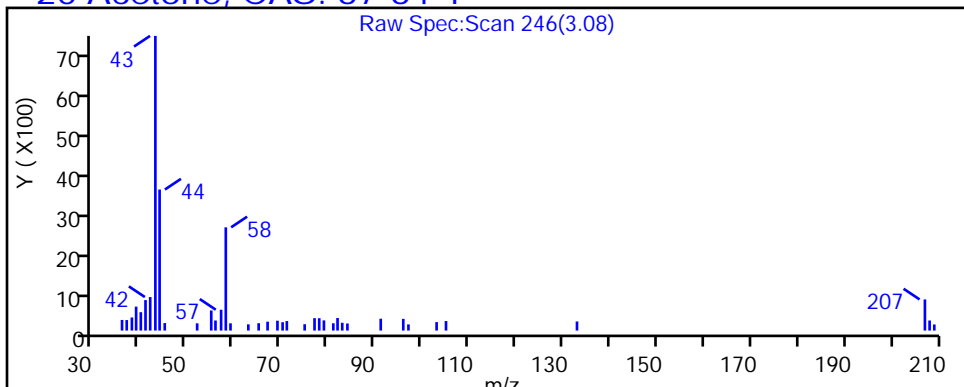
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

20 Acetone, CAS: 67-64-1



Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X18.D

Injection Date: 04-May-2023 15:15:30

Instrument ID: 10193

Lims ID: 410-124489-A-12

Lab Sample ID: 410-124489-12

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

Operator ID: knk41612

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

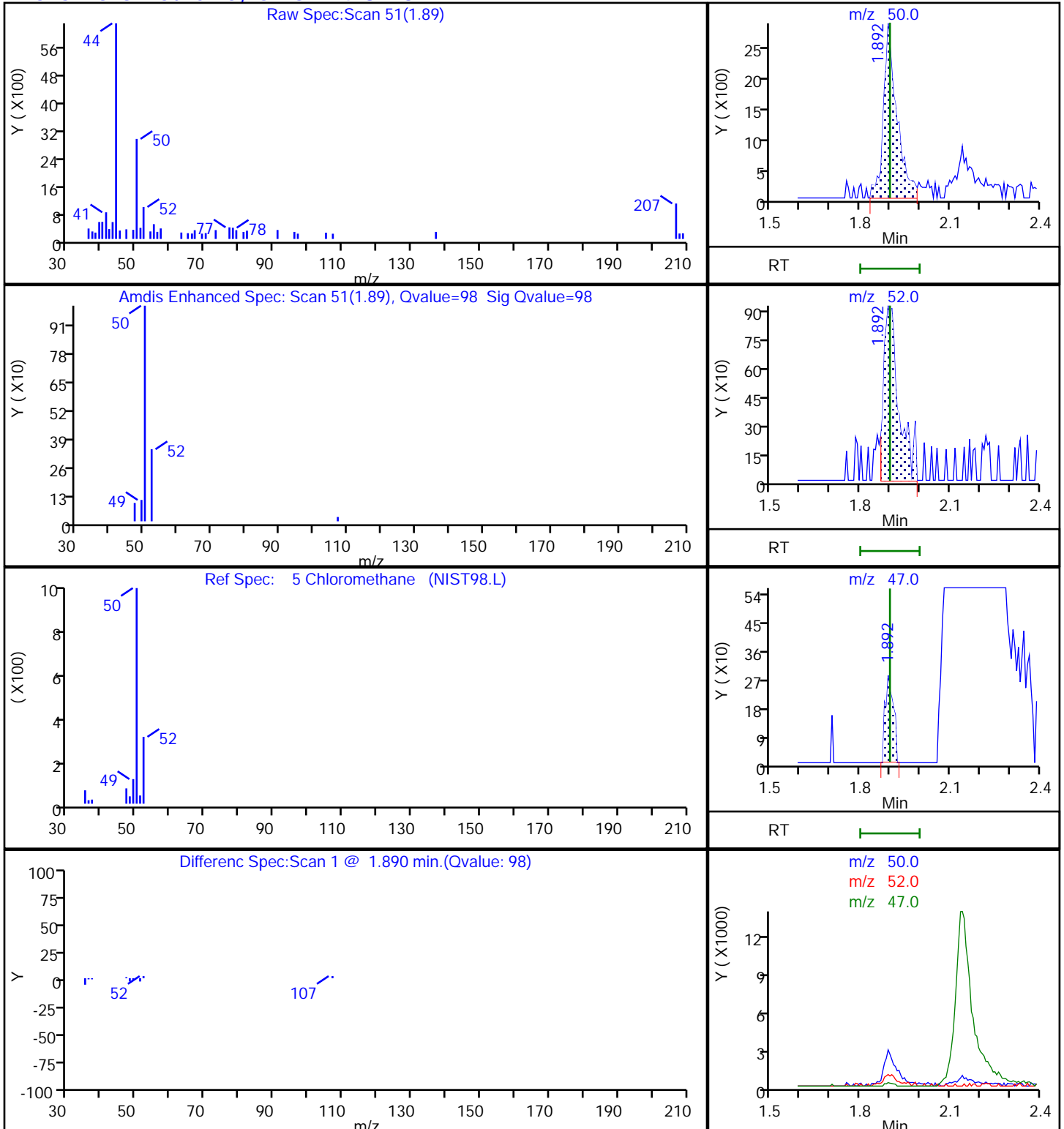
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

5 Chloromethane, CAS: 74-87-3



Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X18.D

Injection Date: 04-May-2023 15:15:30

Instrument ID: 10193

Lims ID: 410-124489-A-12

Lab Sample ID: 410-124489-12

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

Operator ID: knk41612

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

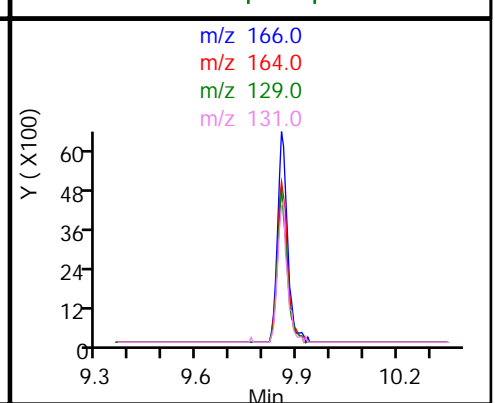
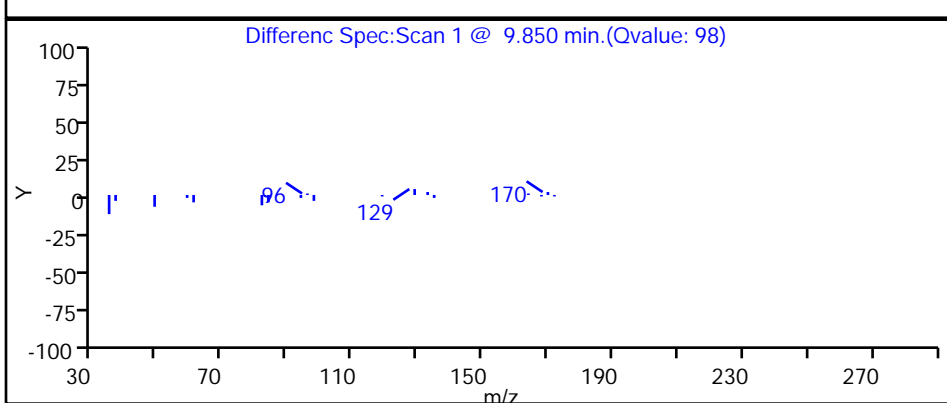
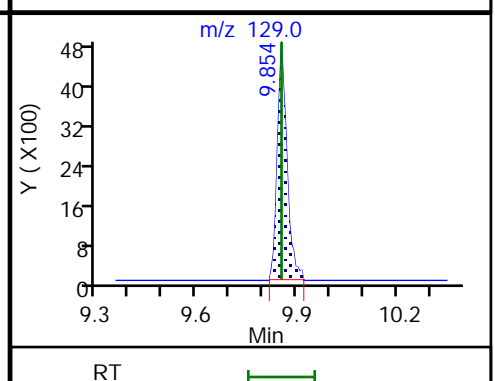
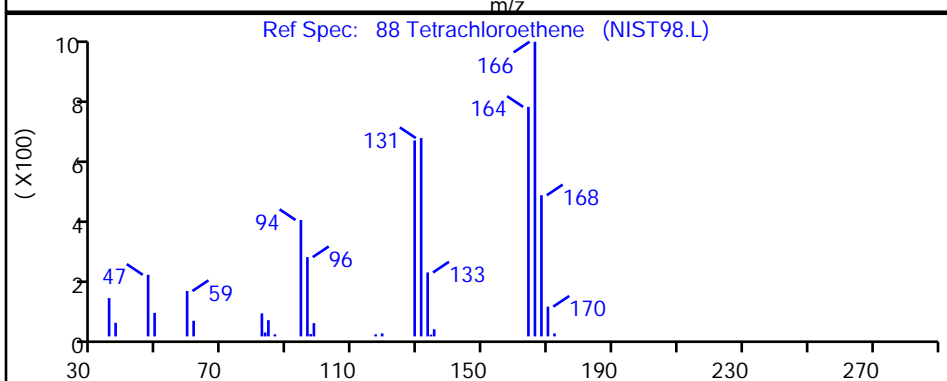
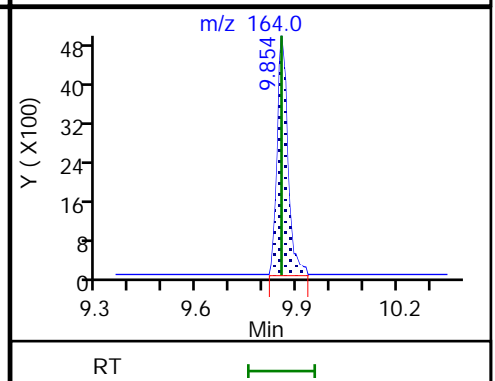
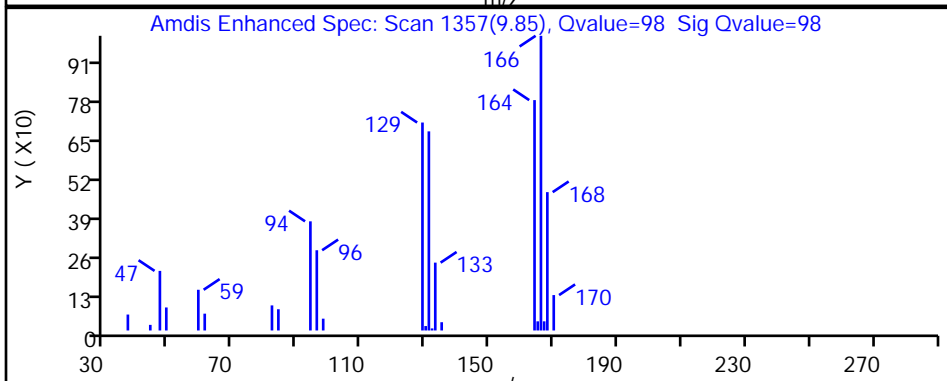
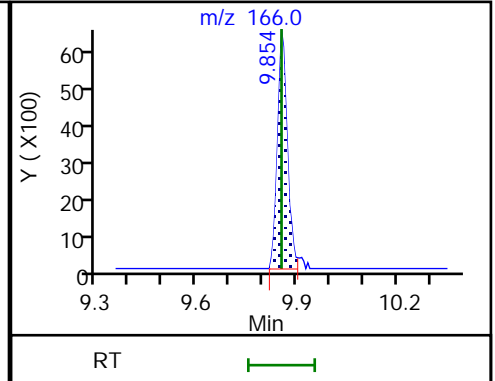
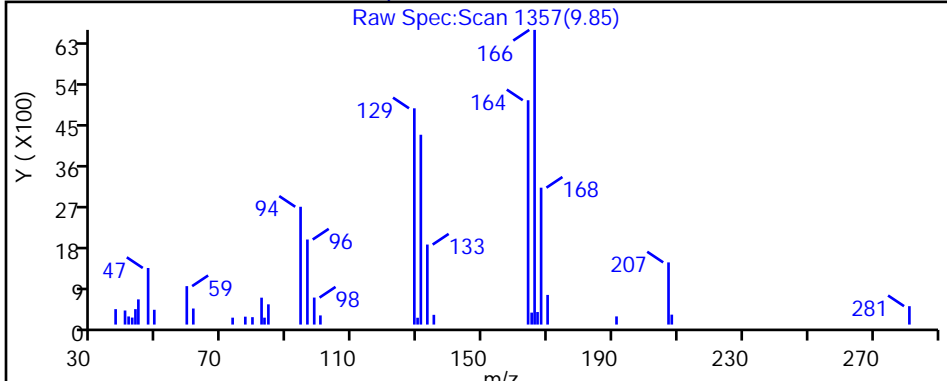
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

88 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

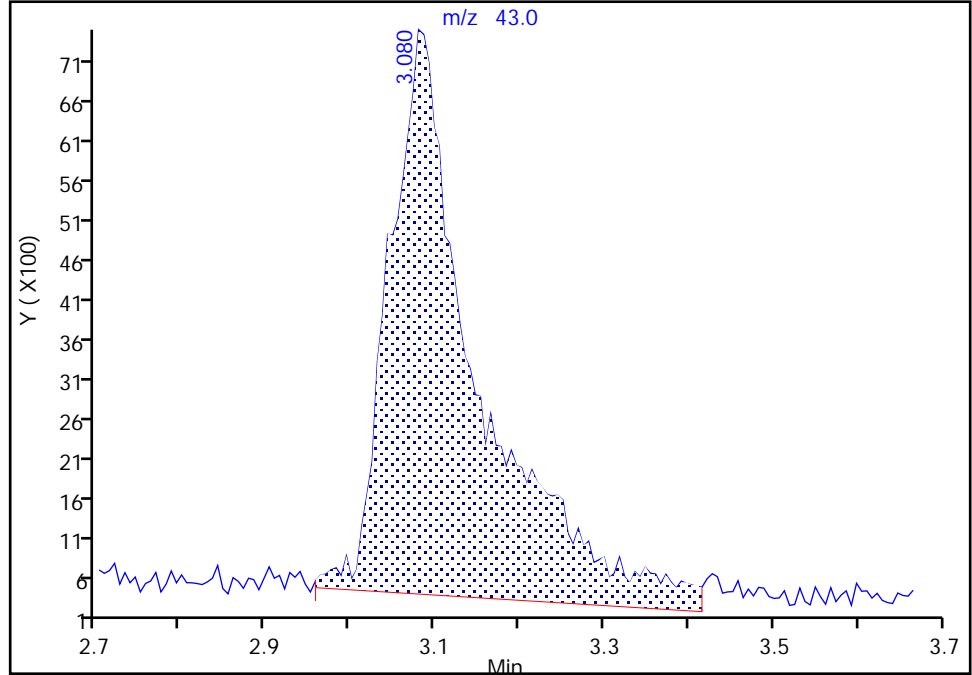
Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X18.D
Injection Date: 04-May-2023 15:15:30 Instrument ID: 10193
Lims ID: 410-124489-A-12 Lab Sample ID: 410-124489-12
Client ID: HD-COD-SW-29-0/1-0
Operator ID: knk41612 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

20 Acetone, CAS: 67-64-1

Signal: 1

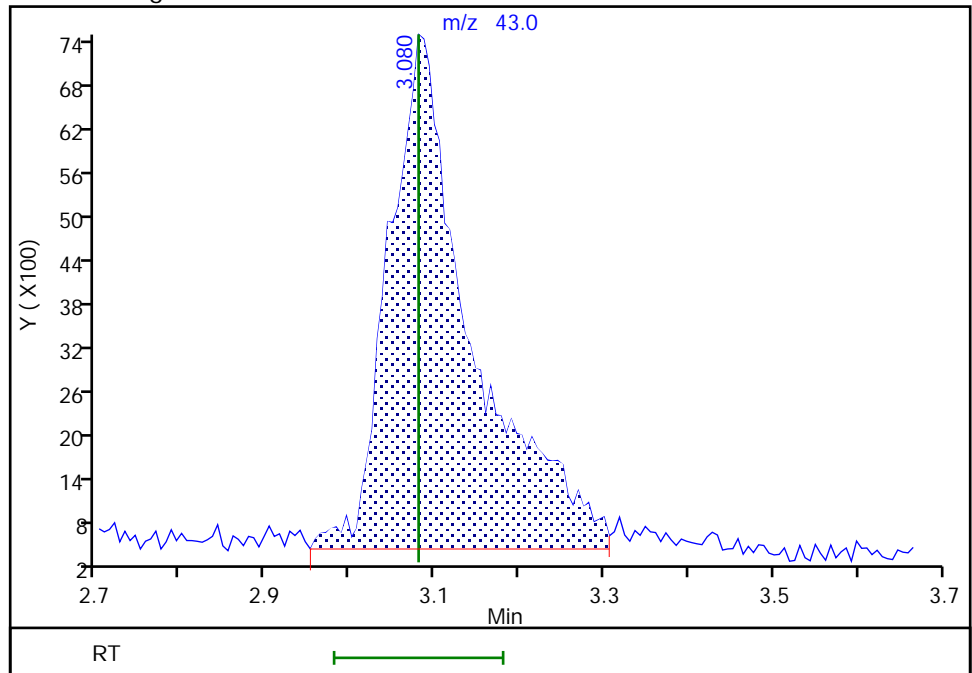
RT: 3.08
Area: 51385
Amount: 7.232689
Amount Units: ug/l

Processing Integration Results



RT: 3.08
Area: 47572
Amount: 6.695990
Amount Units: ug/l

Manual Integration Results



Reviewer: kaewrungrueangp, 05-May-2023 12:48:35 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

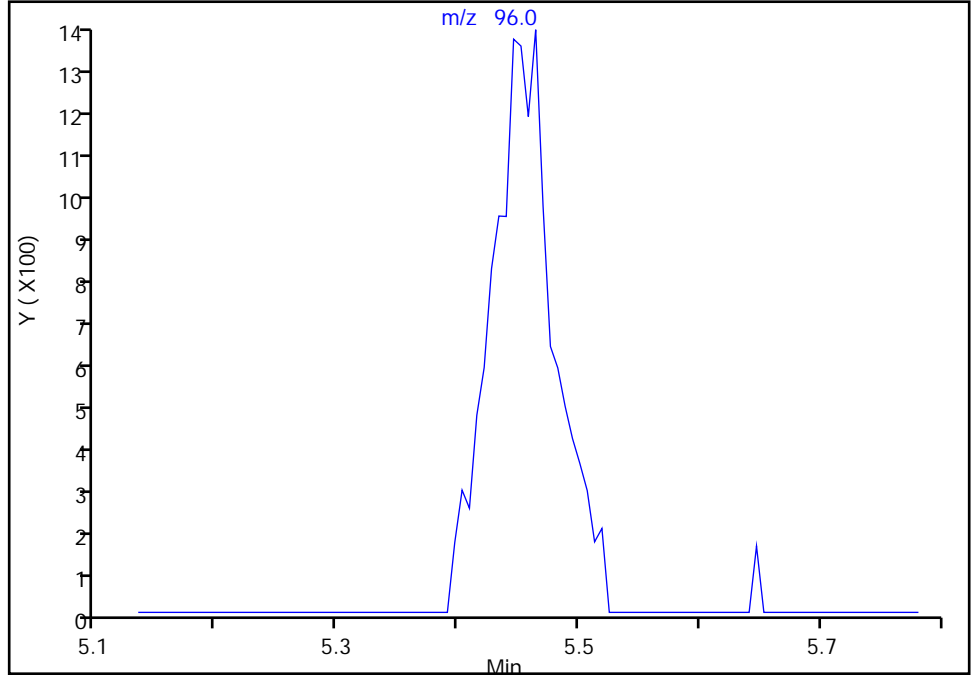
Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X18.D
Injection Date: 04-May-2023 15:15:30 Instrument ID: 10193
Lims ID: 410-124489-A-12 Lab Sample ID: 410-124489-12
Client ID: HD-COD-SW-29-0/1-0
Operator ID: knk41612 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

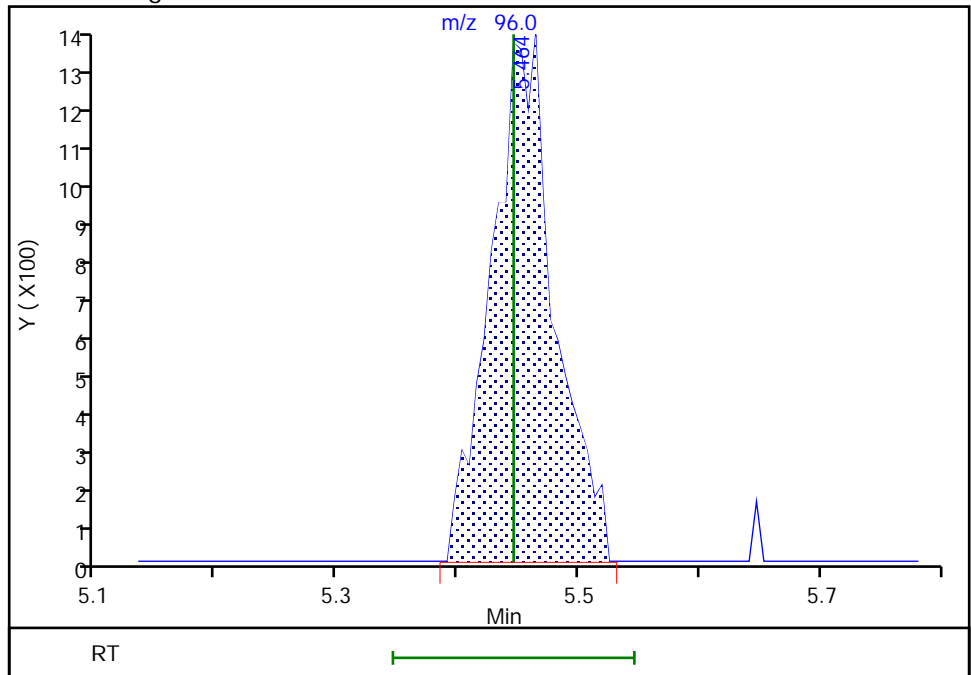
Not Detected
Expected RT: 5.45

Processing Integration Results



Manual Integration Results

RT: 5.46
Area: 4942
Amount: 0.076599
Amount Units: ug/l



Reviewer: kaewrungrueangp, 05-May-2023 12:48:22 07:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

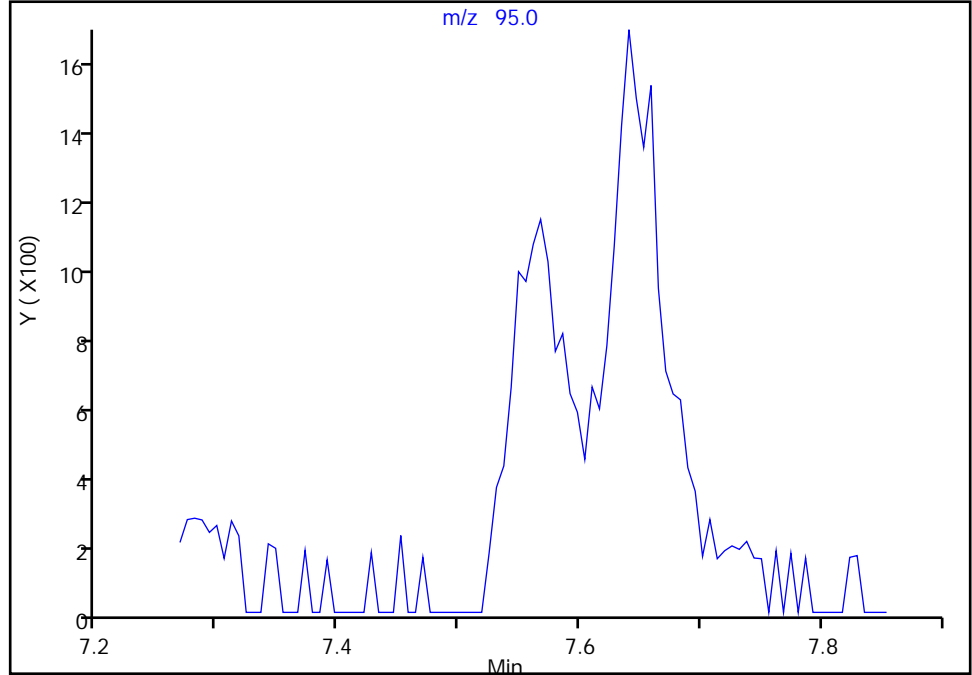
Data File:	\\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X18.D		
Injection Date:	04-May-2023 15:15:30	Instrument ID:	10193
Lims ID:	410-124489-A-12	Lab Sample ID:	410-124489-12
Client ID:	HD-COD-SW-29-0/1-0		
Operator ID:	knk41612	ALS Bottle#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D
Column:	Rxi-624Sil MS Capillary Column (0.25mm ID)	Detector:	MS Quad
		Worklist Smp#:	19

68 Trichloroethene, CAS: 79-01-6

Signal: 1

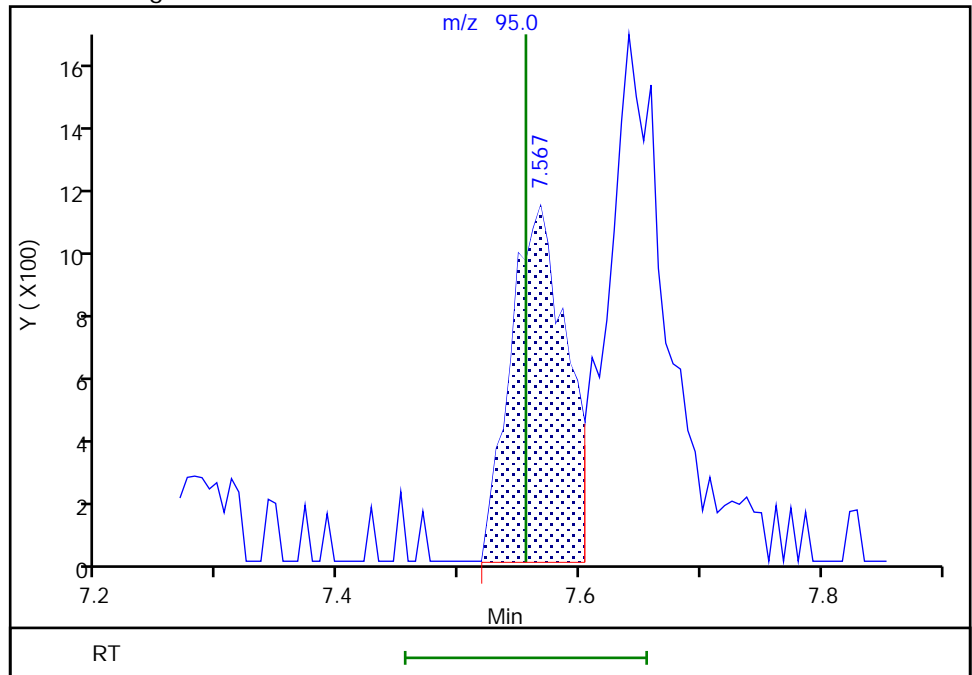
Not Detected
Expected RT: 7.56

Processing Integration Results



Manual Integration Results

RT: 7.57
 Area: 3646
 Amount: 0.056394
 Amount Units: ug/l



Reviewer: kaewrungrueangp, 05-May-2023 12:48:47 07:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Baseline

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

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

Lab Sample ID: 410-124489-13

Matrix: Water

Lab File ID: CY04X19.D

Analysis Method: 8260D

Date Collected: 04/27/2023 12:00

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 15:37

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.: 372041

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	3.6		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	0.77		0.50	0.10
75-35-4	1,1-Dichloroethene	0.38	J	0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	1.7	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	^c cn	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	^c cn	0.50	0.10
67-66-3	Chloroform	0.17	J	0.50	0.090
74-87-3	Chloromethane	ND	^c cn	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	2.0		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.10
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 Job No.: 410-124489-1
 Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-QC1-0/1-1 Lab Sample ID: 410-124489-13

Matrix: Water Lab File ID: CY04X19.D

Analysis Method: 8260D Date Collected: 04/27/2023 12:00

Sample wt/vol: 25 (mL) Date Analyzed: 05/04/2023 15:37

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.: 372041 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	2.4		0.50	0.080
75-01-4	Vinyl chloride	ND	^c cn	0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	92		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\20230504-83176.b\CY04X19.D
 Lims ID: 410-124489-A-13
 Client ID: HD-QC1-0/1-1
 Sample Type: Client
 Inject. Date: 04-May-2023 15:37:30 ALS Bottle#: 19 Worklist Smp#: 20
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083176-020
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-May-2023 12:51:25 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1661

First Level Reviewer: kaewrungrueangp Date: 05-May-2023 12:51:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.898	1.898	0.000	98	7667	0.0898	
6 Vinyl chloride	62		1.995				ND	7
9 Bromomethane	94		2.282				ND	7
10 Chloroethane	64		2.337				ND	
18 1,1-Dichloroethene	96	3.050	3.050	0.000	97	18569	0.3776	
20 Acetone	43	3.080	3.080	0.000	93	11883	1.68	
25 Carbon disulfide	76		3.306				ND	7
30 Methylene Chloride	84		3.605				ND	
* 31 t-Butyl alcohol-d10 (IS)	65	3.635	3.660	-0.025	97	148333	50.0	
34 Methyl tert-butyl ether	73	3.946	3.952	-0.006	87	4882	0.0287	
35 trans-1,2-Dichloroethene	96	3.964	3.952	0.012	88	2380	0.0396	
37 1,1-Dichloroethane	63	4.586	4.586	0.000	93	84223	0.7739	
42 2-Butanone (MEK)	43		5.415				ND	7
43 cis-1,2-Dichloroethene	96	5.446	5.446	0.000	80	132818	2.02	
48 Chlorobromomethane	128		5.781				ND	
50 Chloroform	83	5.940	5.940	0.000	92	18375	0.1688	
53 1,1,1-Trichloroethane	97	6.159	6.159	0.000	98	347698	3.62	
\$ 54 Dibromofluoromethane (Surr)	113	6.159	6.165	-0.006	94	467394	9.23	
56 Carbon tetrachloride	117	6.366	6.373	-0.007	16	1840	0.0224	7a
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.622	6.616	0.006	99	95708	9.59	
60 Benzene	78		6.647				ND	7
61 1,2-Dichloroethane	62		6.720				ND	
* 65 Fluorobenzene (IS)	96	7.061	7.061	0.000	99	1943740	10.0	
68 Trichloroethene	95	7.555	7.555	0.000	98	155164	2.36	
70 1,2-Dichloropropane	63		7.891				ND	
76 Dichlorobromomethane	83		8.256				ND	7
80 cis-1,3-Dichloropropene	75		8.829				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.037				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	93	1997868	10.7	
84 Toluene	92		9.250				ND	7
85 trans-1,3-Dichloropropene	75		9.555				ND	
87 1,1,2-Trichloroethane	97		9.774				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166	9.853	9.854	-0.001	98	3830641	56.4	E
106 2-Hexanone	43		10.018				ND	7
108 Chlorodibromomethane	129		10.171				ND	
110 Ethylene Dibromide	107		10.280				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.744	0.000	85	1561401	10.0	
113 Chlorobenzene	112		10.774				ND	
114 1,1,1,2-Tetrachloroethane	131		10.859				ND	7
115 Ethylbenzene	91		10.866				ND	
116 m-Xylene & p-Xylene	106		10.987				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.335				ND	
119 Styrene	104		11.353				ND	7
120 Bromoform	173		11.506				ND	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	93	755087	9.47	
126 1,1,2,2-Tetrachloroethane	83		11.908				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.700	12.701	-0.001	94	899502	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_00067

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X19.D

Injection Date: 04-May-2023 15:37:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: 410-124489-A-13

Lab Sample ID: 410-124489-13

Worklist Smp#: 20

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

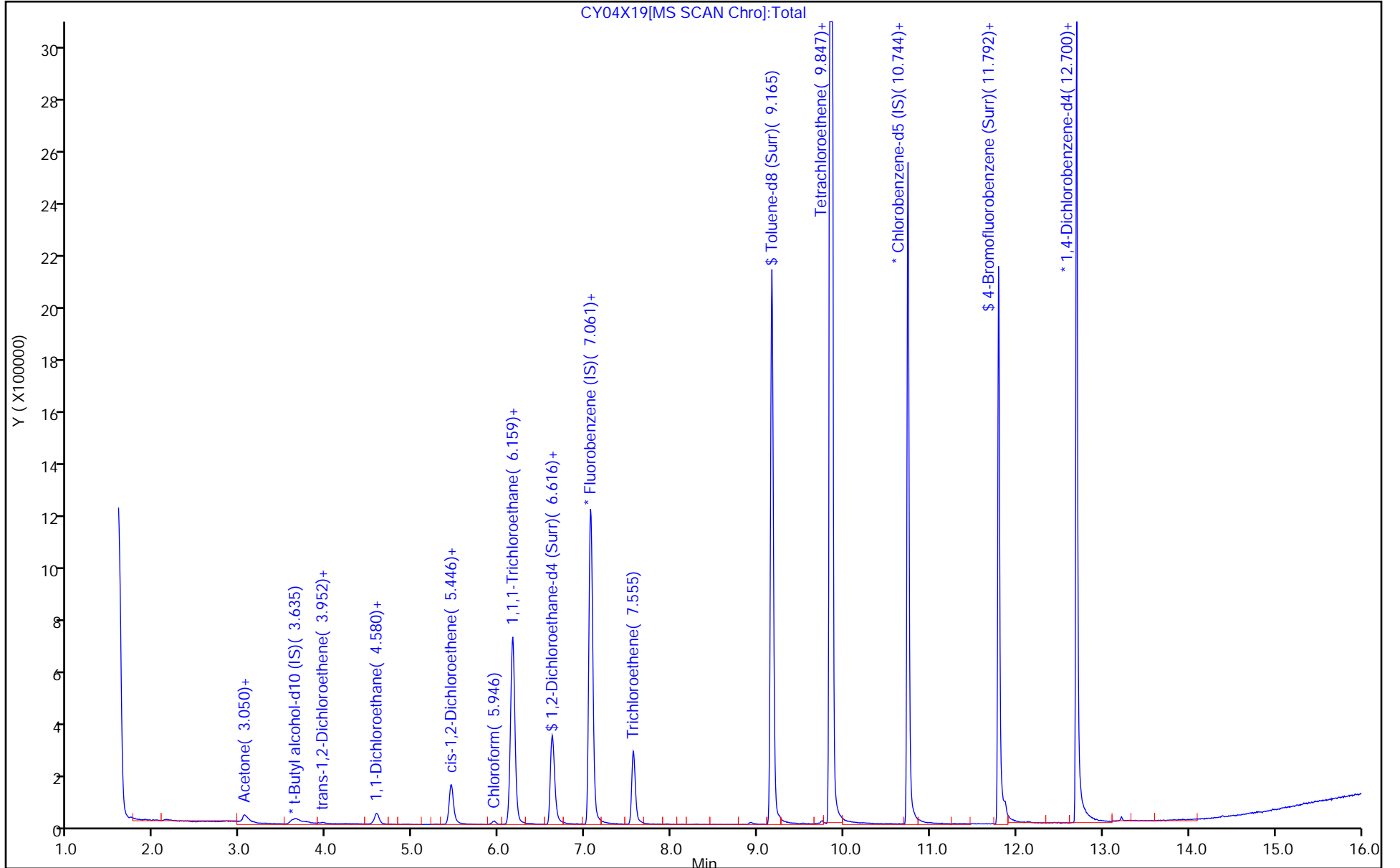
ALS Bottle#: 19

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\20230504-83176.b\CY04X19.D
 Lims ID: 410-124489-A-13
 Client ID: HD-QC1-0/1-1
 Sample Type: Client
 Inject. Date: 04-May-2023 15:37:30 ALS Bottle#: 19 Worklist Smp#: 20
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083176-020
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-May-2023 12:51:25 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1661

First Level Reviewer: kaewrungrueangp

Date: 05-May-2023 12:51:25

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	9.23	92.33
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.59	95.93
\$ 83 Toluene-d8 (Surr)	10.0	10.7	107.13
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.47	94.74

Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X19.D

Injection Date: 04-May-2023 15:37:30

Instrument ID: 10193

Lims ID: 410-124489-A-13

Lab Sample ID: 410-124489-13

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

Operator ID: knk41612

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

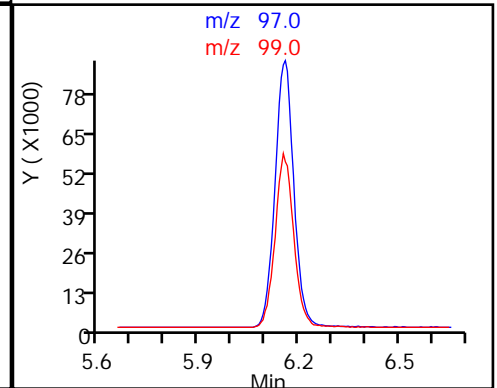
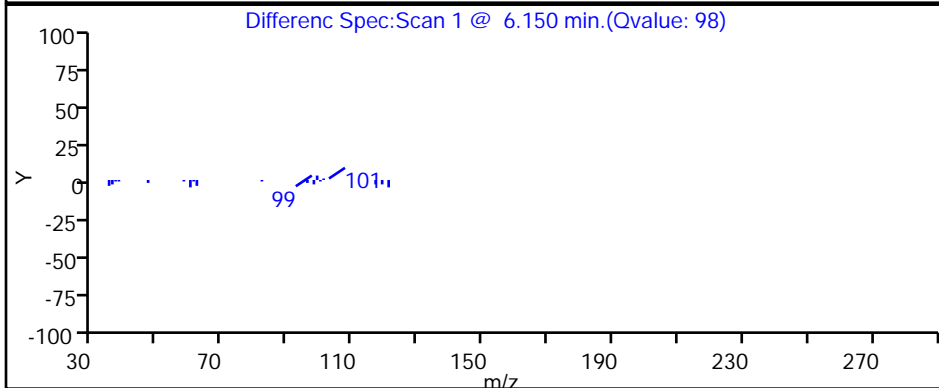
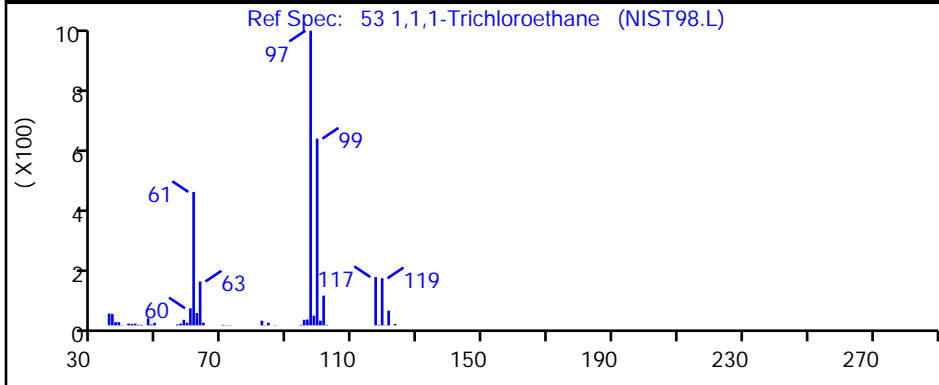
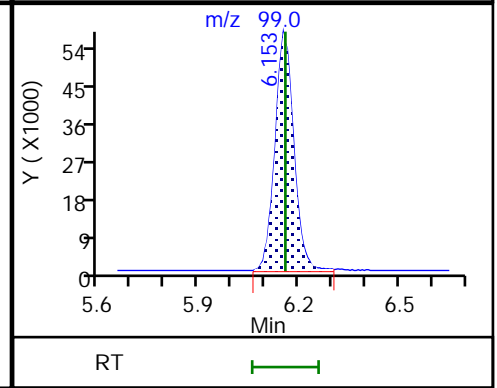
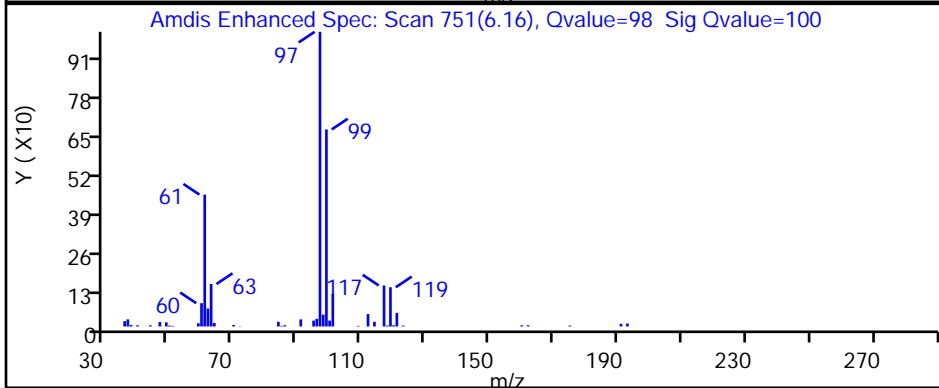
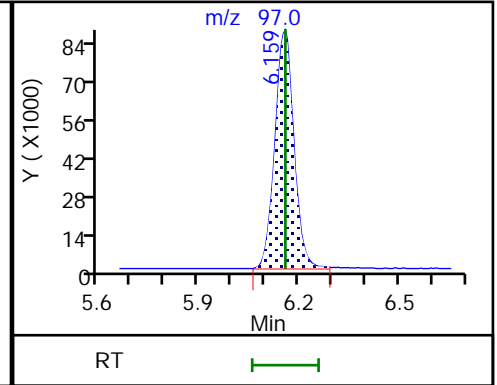
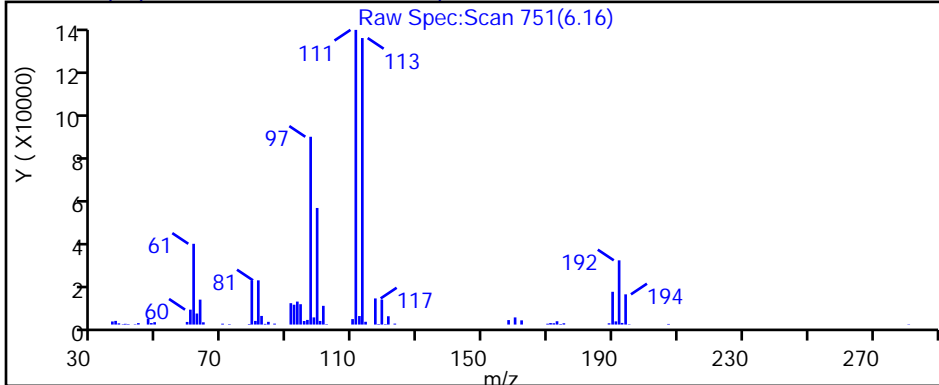
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X19.D

Injection Date: 04-May-2023 15:37:30

Instrument ID: 10193

Lims ID: 410-124489-A-13

Lab Sample ID: 410-124489-13

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

Operator ID: knk41612

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

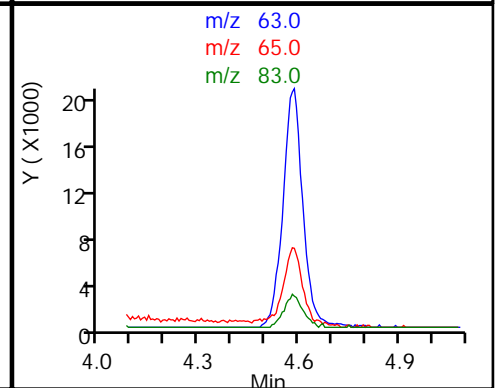
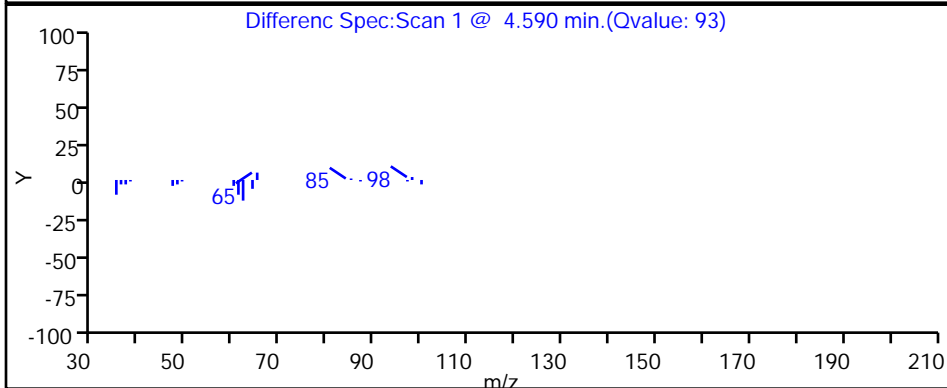
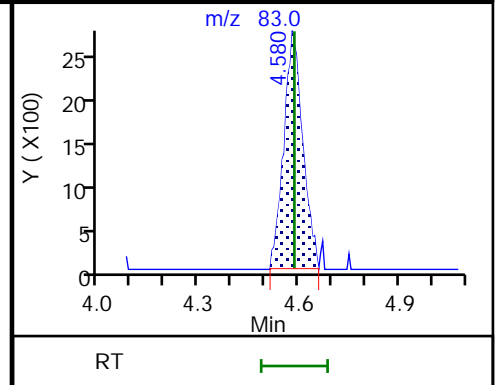
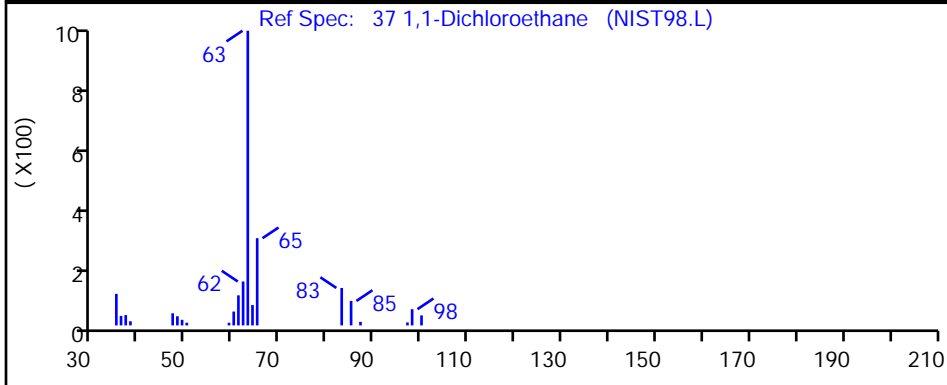
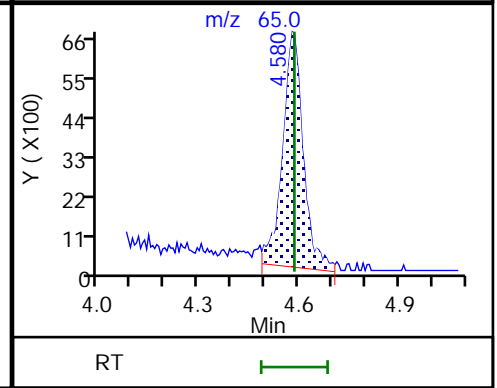
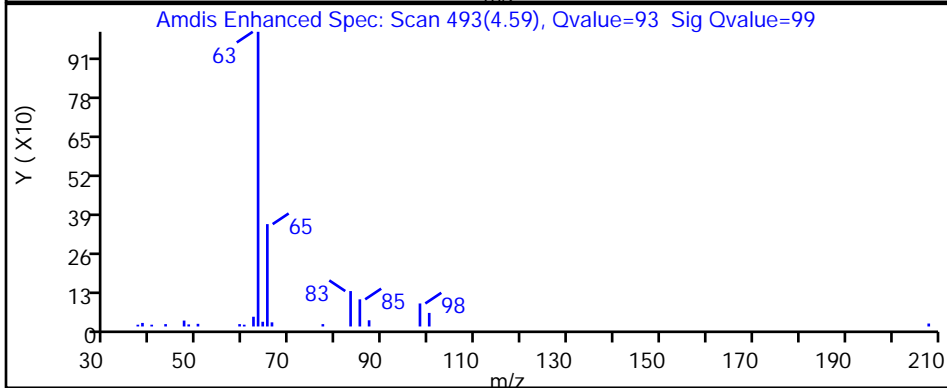
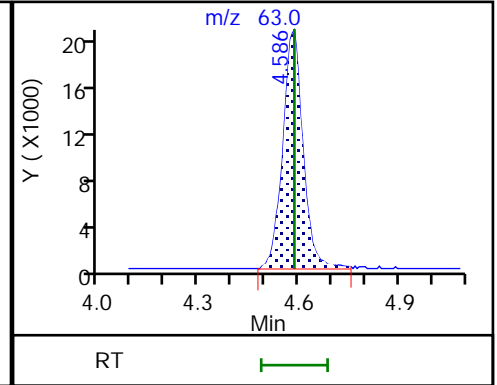
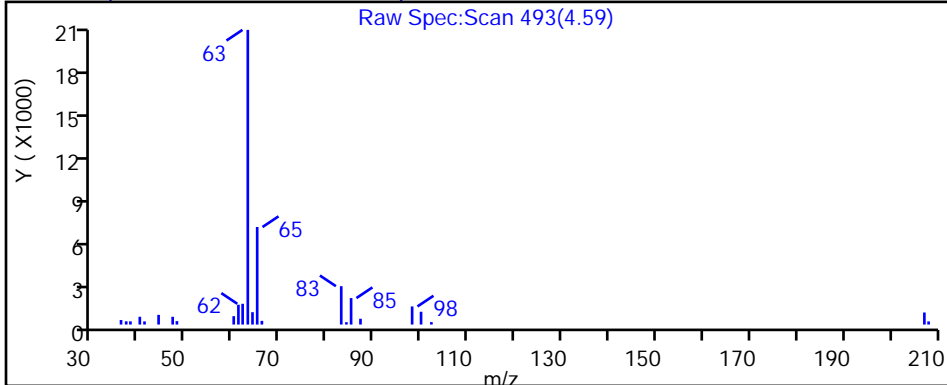
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X19.D

Injection Date: 04-May-2023 15:37:30

Instrument ID: 10193

Lims ID: 410-124489-A-13

Lab Sample ID: 410-124489-13

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

Operator ID: knk41612

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

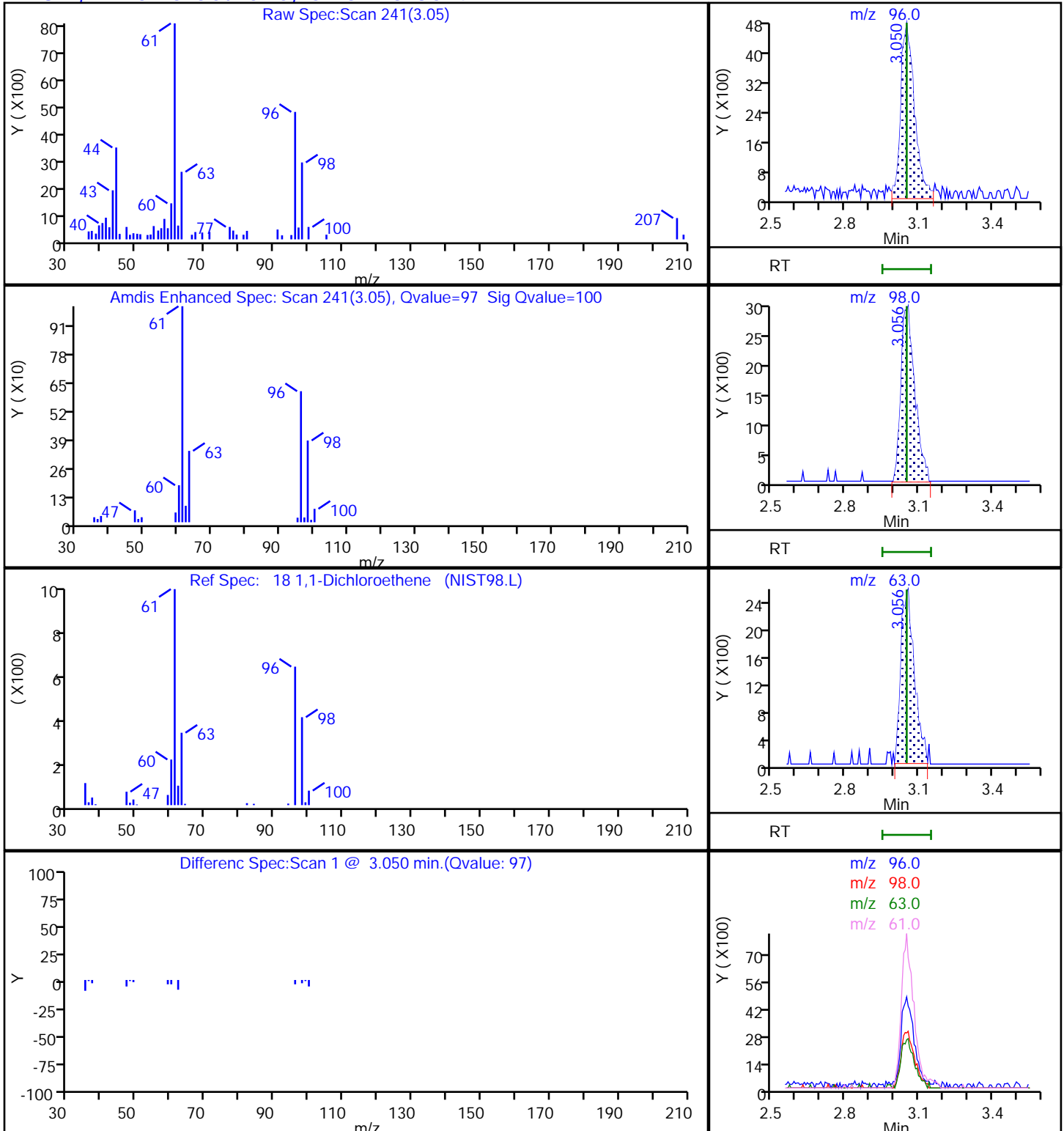
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

18 1,1-Dichloroethene, CAS: 75-35-4



Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X19.D

Injection Date: 04-May-2023 15:37:30

Instrument ID: 10193

Lims ID: 410-124489-A-13

Lab Sample ID: 410-124489-13

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

Operator ID: knk41612

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

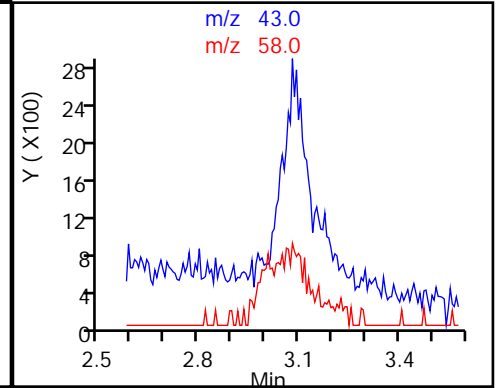
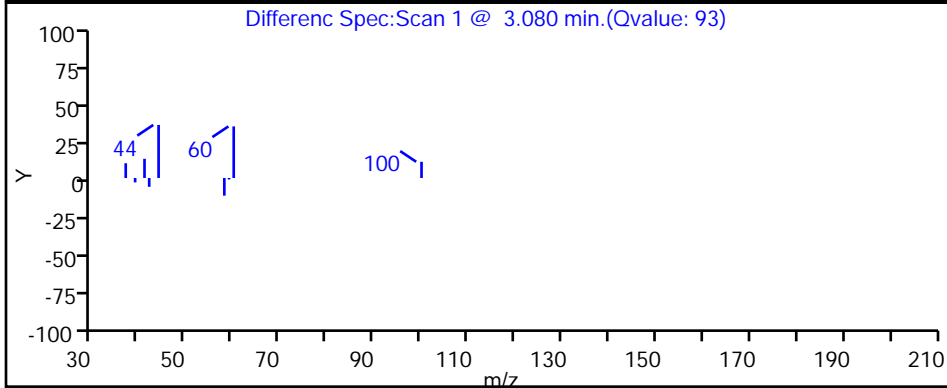
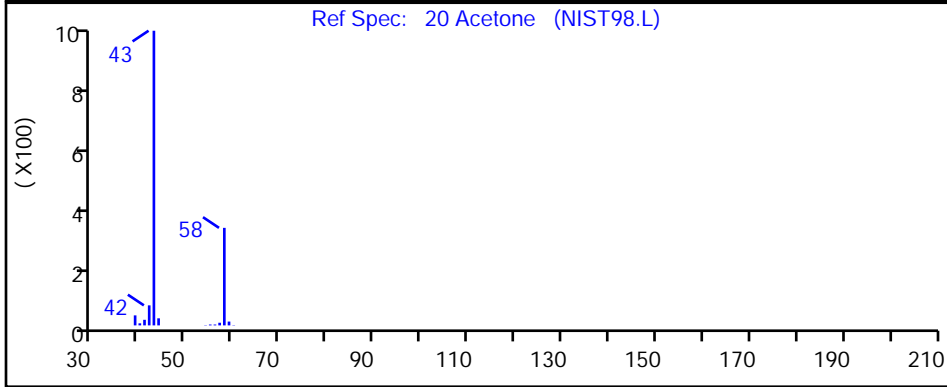
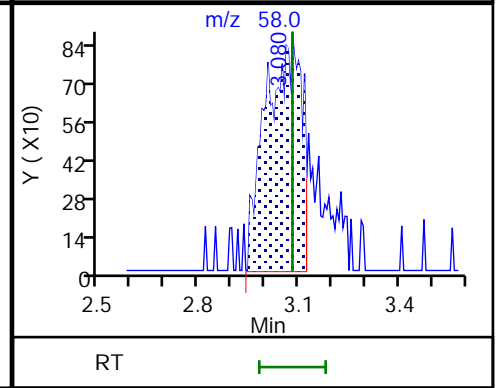
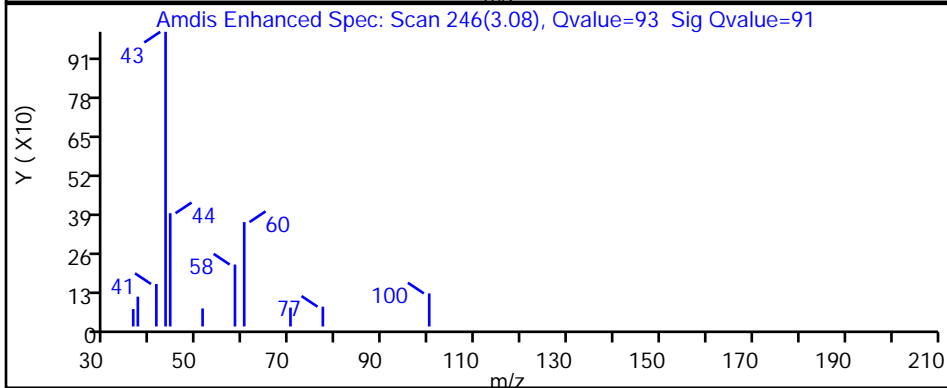
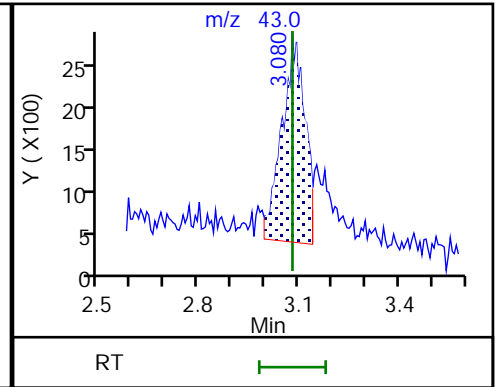
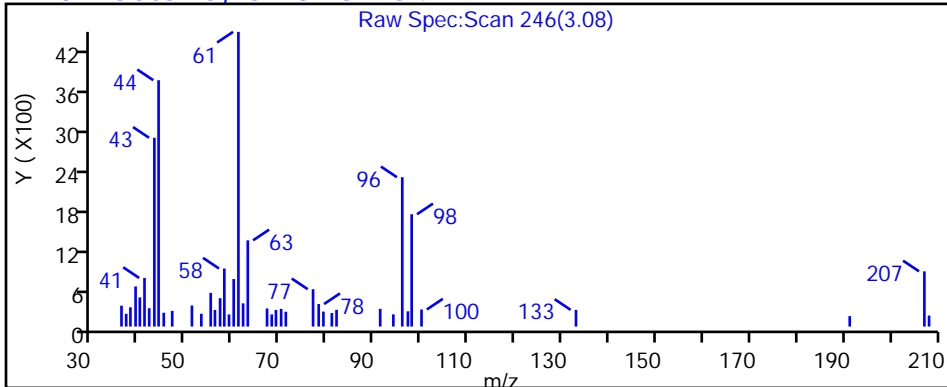
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

20 Acetone, CAS: 67-64-1



Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X19.D

Injection Date: 04-May-2023 15:37:30

Instrument ID: 10193

Lims ID: 410-124489-A-13

Lab Sample ID: 410-124489-13

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

Operator ID: knk41612

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

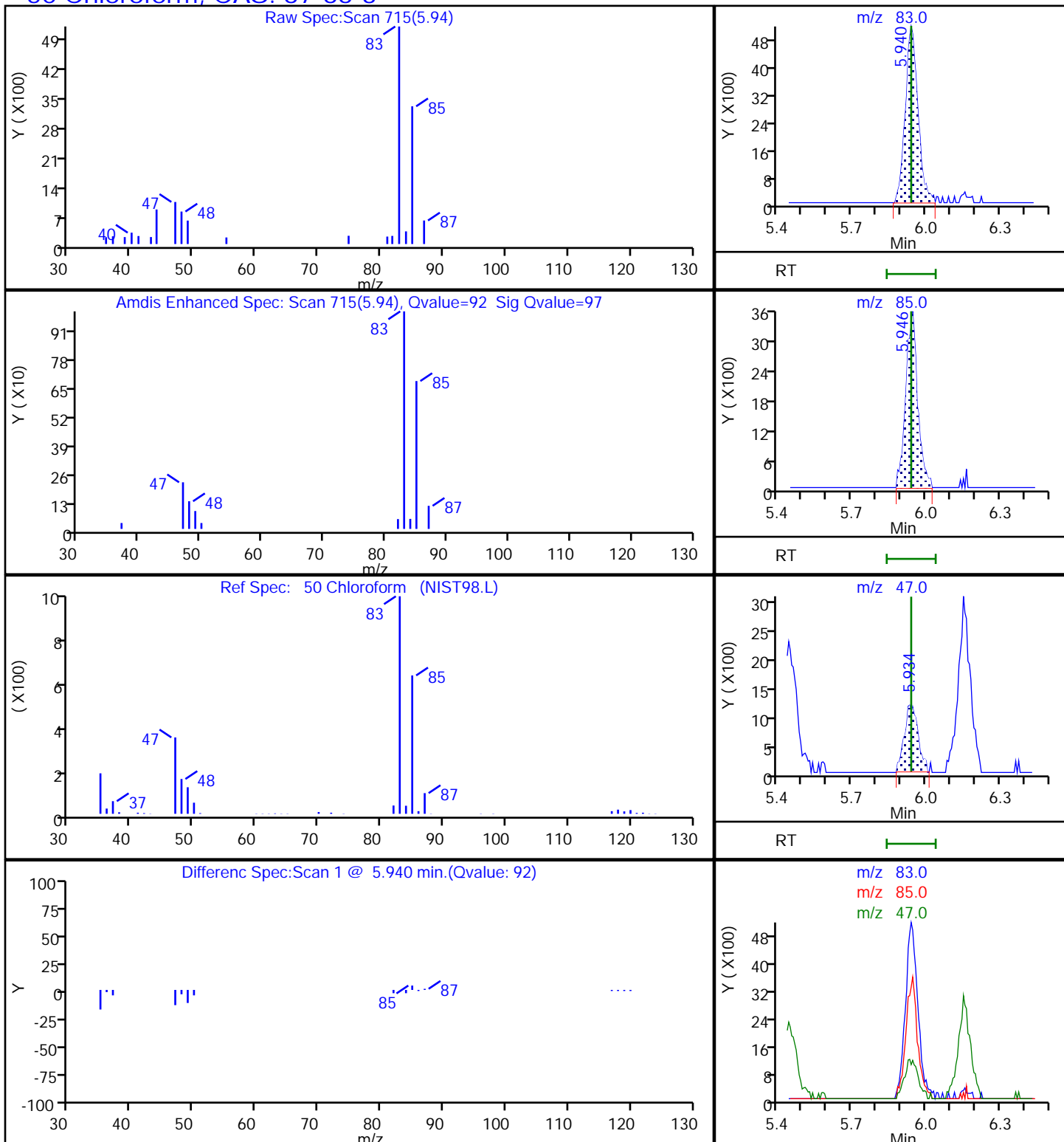
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

50 Chloroform, CAS: 67-66-3



Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X19.D

Injection Date: 04-May-2023 15:37:30

Instrument ID: 10193

Lims ID: 410-124489-A-13

Lab Sample ID: 410-124489-13

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

Operator ID: knk41612

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

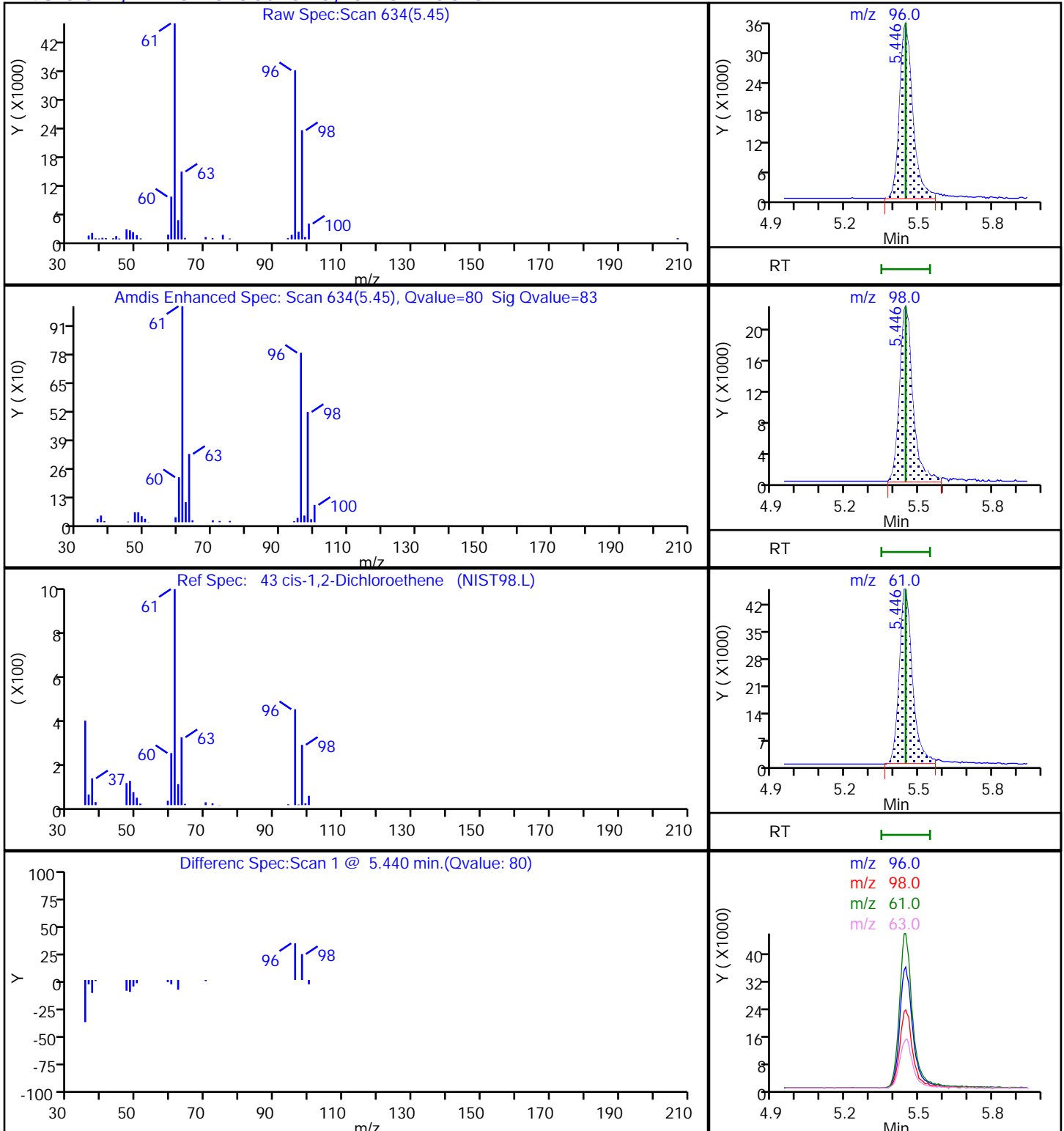
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X19.D

Injection Date: 04-May-2023 15:37:30

Instrument ID: 10193

Lims ID: 410-124489-A-13

Lab Sample ID: 410-124489-13

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

Operator ID: knk41612

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

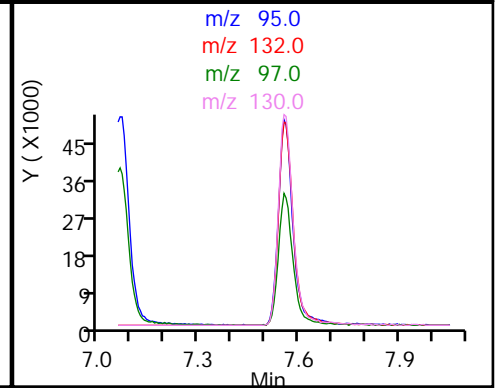
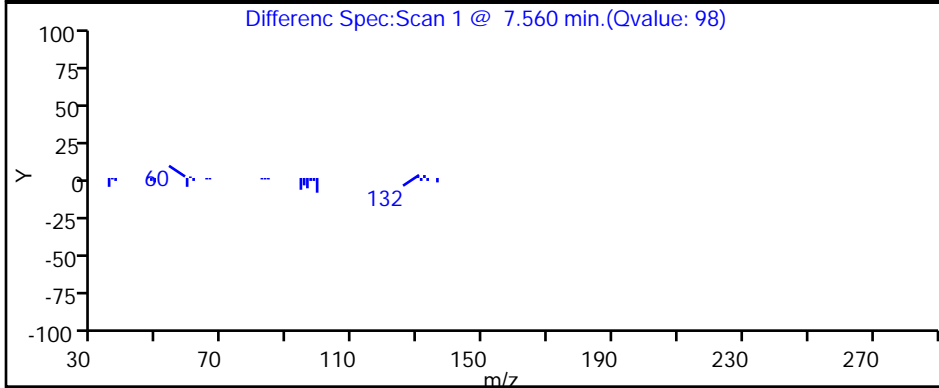
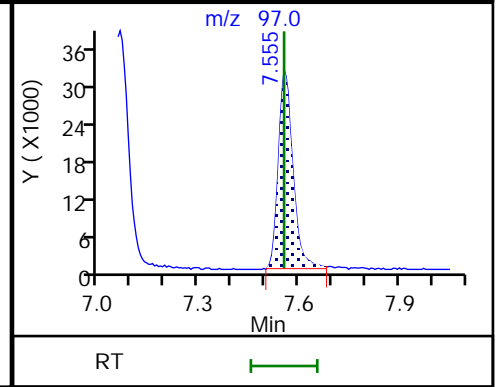
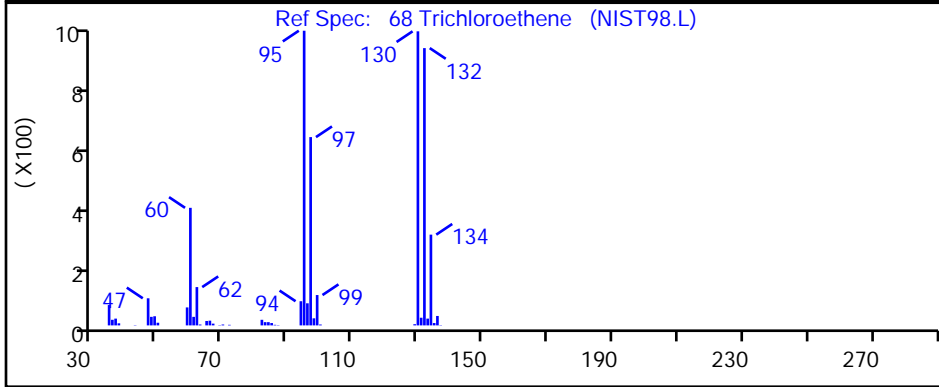
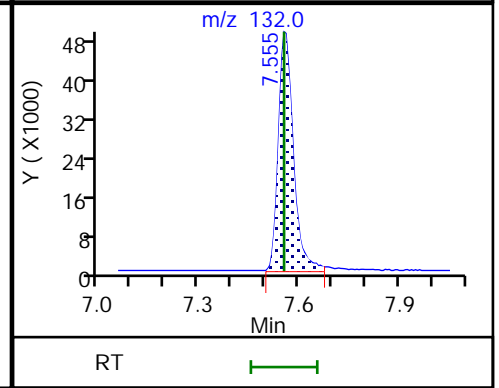
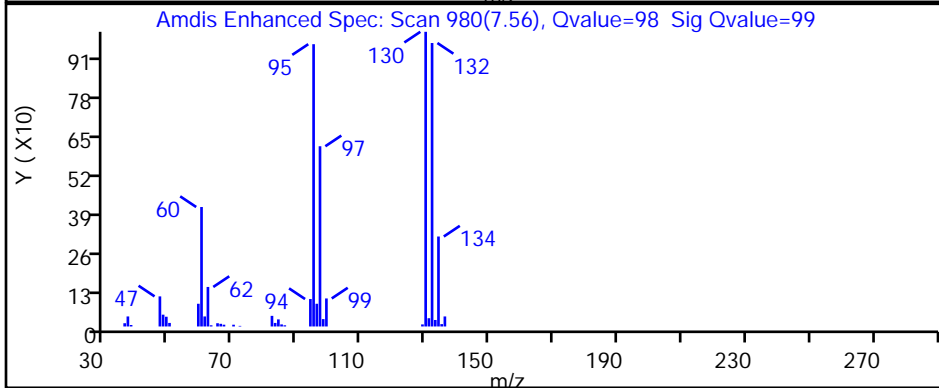
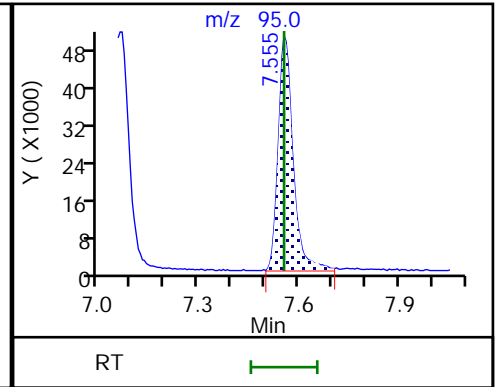
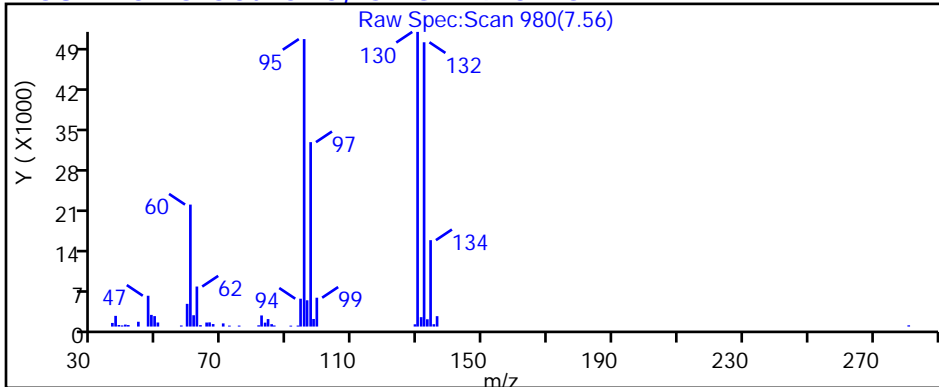
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

68 Trichloroethene, CAS: 79-01-6



Eurofins Lancaster Laboratories Environment Testing, LLC

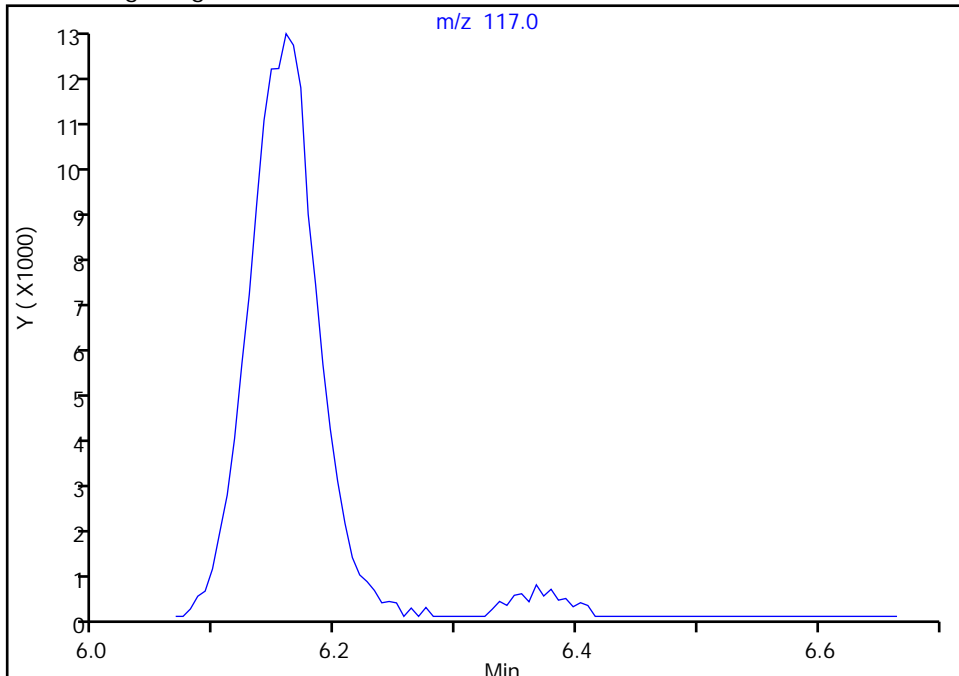
Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X19.D
Injection Date: 04-May-2023 15:37:30 Instrument ID: 10193
Lims ID: 410-124489-A-13 Lab Sample ID: 410-124489-13
Client ID: HD-QC1-0/1-1
Operator ID: knk41612 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

56 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

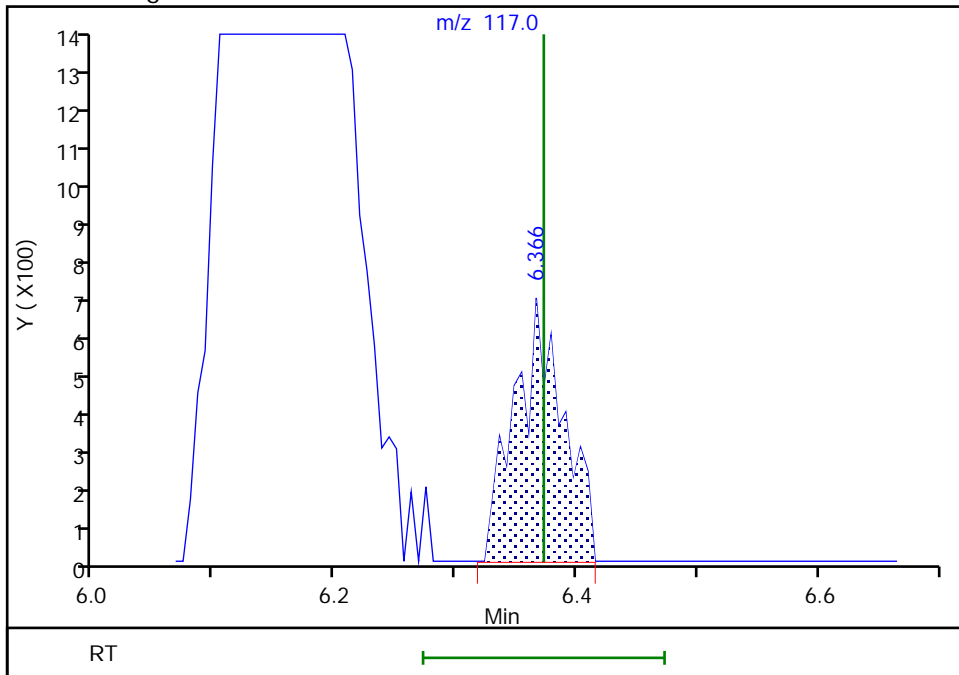
Not Detected
Expected RT: 6.37

Processing Integration Results



RT: 6.37
Area: 1840
Amount: 0.022395
Amount Units: ug/l

Manual Integration Results



Reviewer: kaewrungrueangp, 05-May-2023 12:51:07 07:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Baseline

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-124489-1
 Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-QC1-0/1-1 DL Lab Sample ID: 410-124489-13 DL

Matrix: Water Lab File ID: HY09X25.D

Analysis Method: 8260D Date Collected: 04/27/2023 12:00

Sample wt/vol: 25 (mL) Date Analyzed: 05/10/2023 02:05

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.: 373833 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	49		5.0	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	106		80-120
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20230509-83587.b\HY09X25.D
 Lims ID: 410-124489-B-13 DL
 Client ID: HD-QC1-0/1-1
 Sample Type: Client
 Inject. Date: 10-May-2023 02:05:30 ALS Bottle#: 25 Worklist Smp#: 26
 Purge Vol: 25.000 mL Dil. Factor: 10.0000
 Sample Info: 410-0083587-026
 Operator ID: gaw91131 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20230509-83587.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-May-2023 14:31:50 Calib Date: 19-Apr-2023 23:41:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1661

First Level Reviewer: kaewrungrueangp Date: 10-May-2023 14:31:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.087				ND	7
6 Vinyl chloride	62		2.196				ND	
9 Bromomethane	94		2.526				ND	
10 Chloroethane	64		2.593				ND	
17 1,1-Dichloroethene	96		3.416				ND	7
19 Acetone	43		3.446				ND	U
23 Carbon disulfide	76		3.708				ND	
27 Methylene Chloride	84		4.050				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	4.062	4.068	-0.006	25	88686	50.0	
32 Methyl tert-butyl ether	73		4.434				ND	
33 trans-1,2-Dichloroethene	96		4.458				ND	
36 1,1-Dichloroethane	63	5.129	5.117	0.012	91	6595	0.0848	
41 2-Butanone (MEK)	43		5.915				ND	
42 cis-1,2-Dichloroethene	96	5.958	5.958	0.000	77	10590	0.2361	
48 Chlorobromomethane	128		6.287				ND	
50 Chloroform	83		6.446				ND	7
\$ 52 Dibromofluoromethane (Surr)	113	6.659	6.659	0.000	94	407481	10.6	
53 1,1,1-Trichloroethane	97	6.683	6.677	0.006	83	25116	0.3810	
56 Carbon tetrachloride	117		6.891				ND	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.122	7.116	0.006	52	75271	10.5	
59 Benzene	78		7.153				ND	
60 1,2-Dichloroethane	62		7.226				ND	7
* 64 Fluorobenzene (IS)	96	7.561	7.561	0.000	99	1615813	10.0	
68 Trichloroethene	95	8.055	8.049	0.006	96	11162	0.2475	
70 1,2-Dichloropropane	63		8.384				ND	
76 Dichlorobromomethane	83		8.732				ND	
80 cis-1,3-Dichloropropene	75		9.287				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.463				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.610	9.610	0.000	93	1690454	9.36	
84 Toluene	92		9.689				ND	
85 trans-1,3-Dichloropropene	75		9.951				ND	
106 1,1,2-Trichloroethane	97		10.158				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.250	10.250	0.000	98	256077	4.85	
109 2-Hexanone	43		10.372				ND	
111 Chlorodibromomethane	129		10.542				ND	
112 Ethylene Dibromide	107		10.652				ND	
* 113 Chlorobenzene-d5 (IS)	117	11.091	11.091	0.000	86	1327701	10.0	
115 Chlorobenzene	112		11.115				ND	
116 1,1,1,2-Tetrachloroethane	131		11.201				ND	
117 Ethylbenzene	91		11.207				ND	7
S 118 Xylenes, Total	106		11.245				ND	7
119 m-Xylene & p-Xylene	106		11.323				ND	
120 o-Xylene	106		11.652				ND	
121 Styrene	104		11.670				ND	
122 Bromoform	173		11.829				ND	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.103	12.103	0.000	91	642154	9.80	
127 1,1,2,2-Tetrachloroethane	83		12.201				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.987	12.987	0.000	95	738705	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_LLcentISS_00007

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19094\20230509-83587.b\HY09X25.D

Injection Date: 10-May-2023 02:05:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: 410-124489-B-13 DL

Lab Sample ID: 410-124489-13

Worklist Smp#: 26

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

Purge Vol: 25.000 mL

Dil. Factor: 10.0000

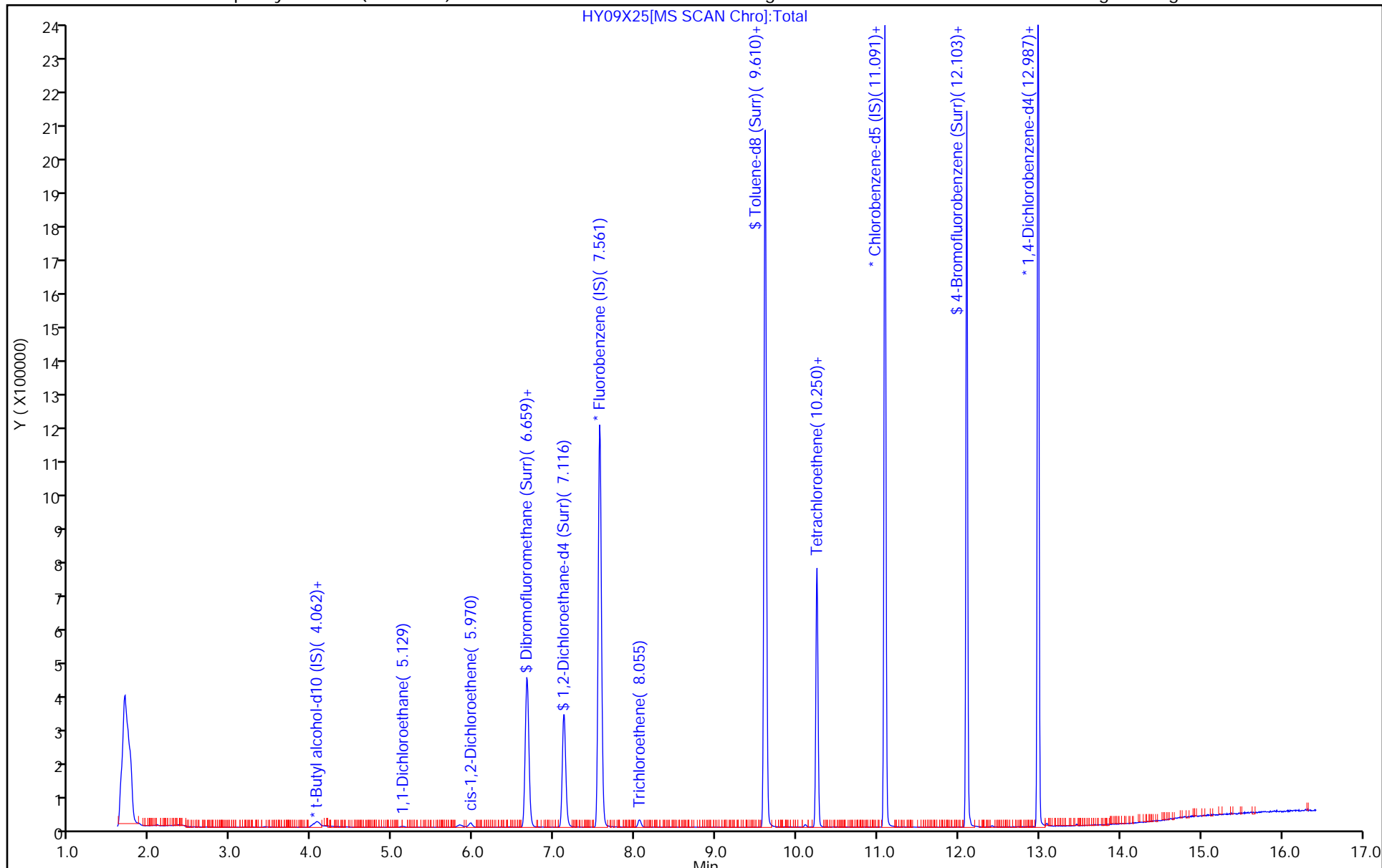
ALS Bottle#: 25

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\20230509-83587.b\HY09X25.D
 Lims ID: 410-124489-B-13 DL
 Client ID: HD-QC1-0/1-1
 Sample Type: Client
 Inject. Date: 10-May-2023 02:05:30 ALS Bottle#: 25 Worklist Smp#: 26
 Purge Vol: 25.000 mL Dil. Factor: 10.0000
 Sample Info: 410-0083587-026
 Operator ID: gaw91131 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20230509-83587.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-May-2023 14:31:50 Calib Date: 19-Apr-2023 23:41:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1661

First Level Reviewer: kaewrungrueangp Date: 10-May-2023 14:31:50

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.6	106.12
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.5	105.32
\$ 83 Toluene-d8 (Surr)	10.0	9.36	93.56
\$ 126 4-Bromofluorobenzene (Surr)	10.0	9.80	98.00

Data File: \\chromfs\Lancaster\ChromData\19094\20230509-83587.b\HY09X25.D

Injection Date: 10-May-2023 02:05:30

Instrument ID: 19094

Lims ID: 410-124489-B-13 DL

Lab Sample ID: 410-124489-13

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

Operator ID: gaw91131

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 25.000 mL

Dil. Factor: 10.0000

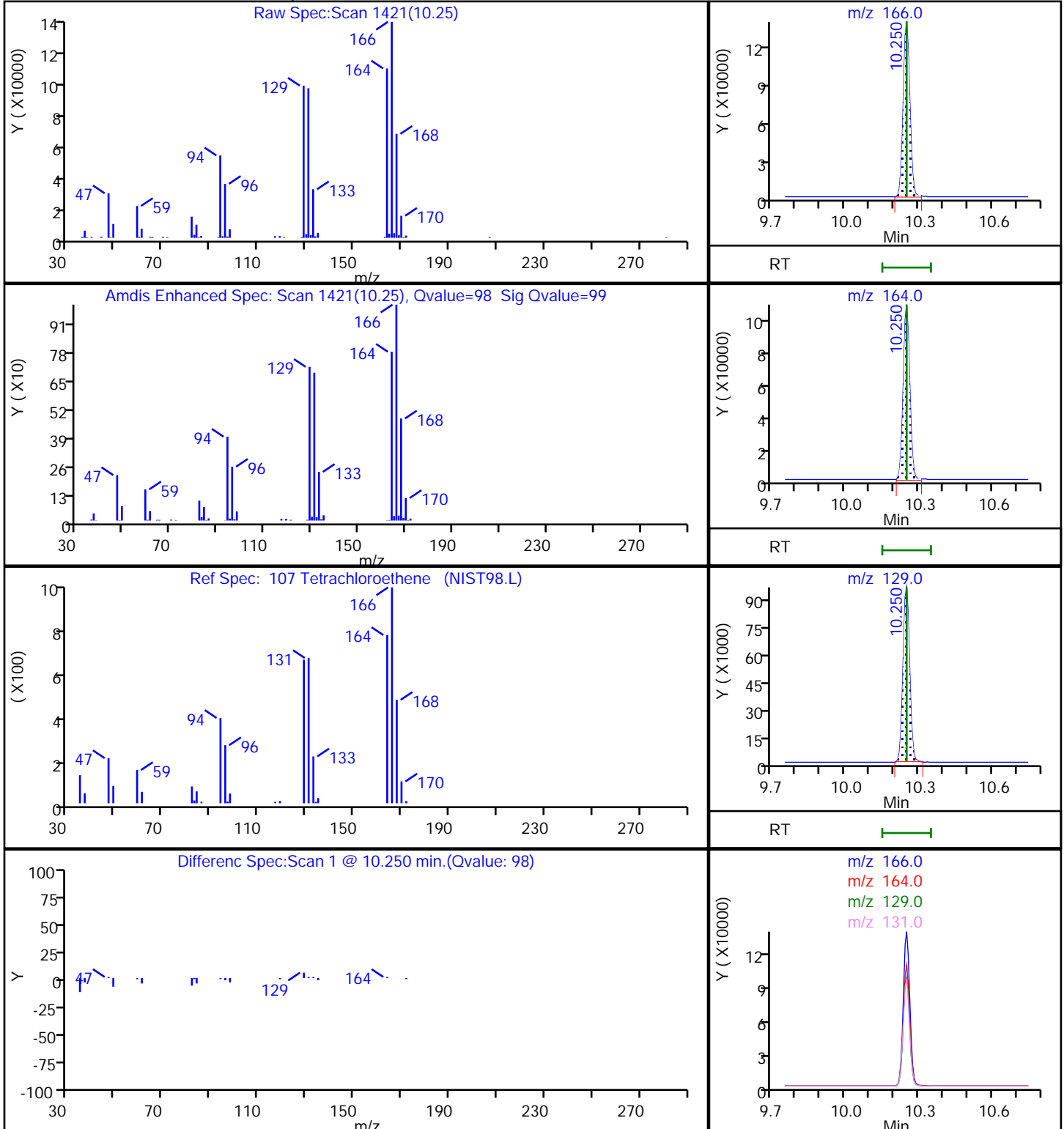
Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

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.: 410-124489-1

SDG No.:

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

Lab Sample ID: 410-124489-14

Matrix: Water

Lab File ID: CY04X07.D

Analysis Method: 8260D

Date Collected: 04/27/2023 00:00

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 11:09

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 372041

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	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	2.0	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	^c cn	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	^c cn	0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND	^c cn	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	0.10
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.: 410-124489-1

SDG No.:

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

Lab Sample ID: 410-124489-14

Matrix: Water

Lab File ID: CY04X07.D

Analysis Method: 8260D

Date Collected: 04/27/2023 00:00

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 11:09

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 372041

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	^c cn	0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	94		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\20230504-83176.b\CY04X07.D
 Lims ID: 410-124489-A-14
 Client ID: HD-QC1-0/1-2
 Sample Type: Client
 Inject. Date: 04-May-2023 11:09:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083176-008
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-May-2023 12:40:36 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1661

First Level Reviewer: kaewrungrueangp Date: 05-May-2023 12:41:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.904	1.898	0.006	83	2610	0.0301	
6 Vinyl chloride	62		1.995				ND	
9 Bromomethane	94		2.282				ND	7
10 Chloroethane	64		2.337				ND	
18 1,1-Dichloroethene	96		3.050				ND	7
20 Acetone	43	3.099	3.080	0.019	60	14590	2.02	
25 Carbon disulfide	76		3.306				ND	7
30 Methylene Chloride	84		3.605				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.660	3.660	0.000	97	151583	50.0	
34 Methyl tert-butyl ether	73		3.952				ND	
35 trans-1,2-Dichloroethene	96		3.952				ND	
37 1,1-Dichloroethane	63		4.586				ND	
42 2-Butanone (MEK)	43		5.415				ND	7
43 cis-1,2-Dichloroethene	96		5.446				ND	
48 Chlorobromomethane	128		5.781				ND	
50 Chloroform	83		5.940				ND	
53 1,1,1-Trichloroethane	97		6.159				ND	
\$ 54 Dibromofluoromethane (Surr)	113	6.165	6.165	0.000	94	482540	9.38	
56 Carbon tetrachloride	117		6.373				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.616	6.616	0.000	99	100212	9.88	
60 Benzene	78		6.647				ND	7
61 1,2-Dichloroethane	62		6.720				ND	
* 65 Fluorobenzene (IS)	96	7.068	7.061	0.007	99	1976331	10.0	
68 Trichloroethene	95		7.555				ND	
70 1,2-Dichloropropane	63		7.891				ND	
76 Dichlorobromomethane	83		8.256				ND	
80 cis-1,3-Dichloropropene	75		8.829				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.037				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	93	2032084	10.7	
84 Toluene	92	9.256	9.250	0.006	97	7564	0.0517	
85 trans-1,3-Dichloropropene	75		9.555				ND	
87 1,1,2-Trichloroethane	97		9.774				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166		9.854				ND	
106 2-Hexanone	43		10.018				ND	7
108 Chlorodibromomethane	129		10.171				ND	
110 Ethylene Dibromide	107		10.280				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.744	0.000	85	1588238	10.0	
113 Chlorobenzene	112		10.774				ND	
114 1,1,1,2-Tetrachloroethane	131		10.859				ND	
115 Ethylbenzene	91		10.866				ND	7
116 m-Xylene & p-Xylene	106		10.987				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.335				ND	7
119 Styrene	104		11.353				ND	7
120 Bromoform	173		11.506				ND	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	94	763078	9.41	
126 1,1,2,2-Tetrachloroethane	83		11.908				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.701	12.701	0.000	94	936072	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP25_ISSS_00067

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X07.D

Injection Date: 04-May-2023 11:09:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: 410-124489-A-14

Lab Sample ID: 410-124489-14

Worklist Smp#: 8

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

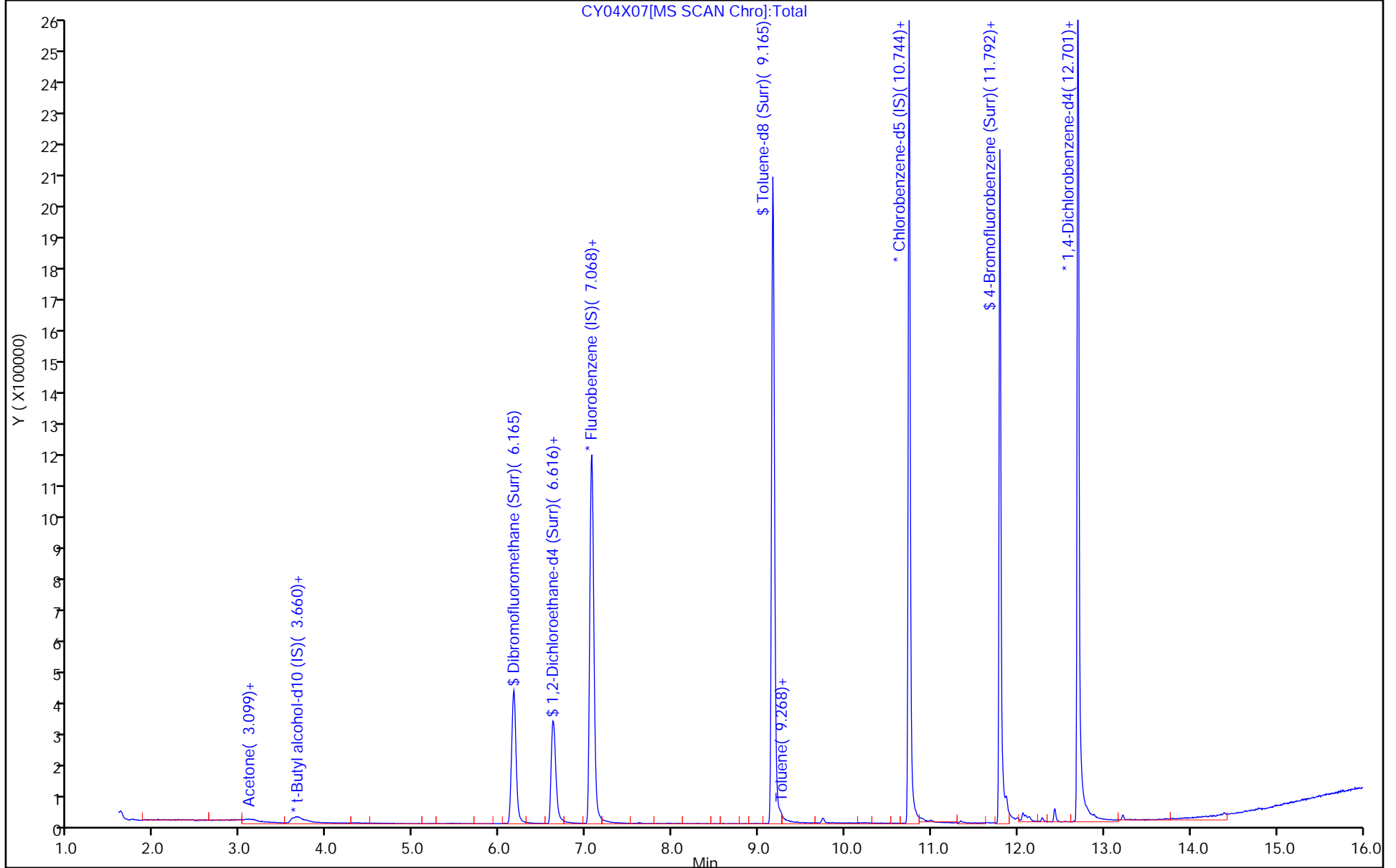
ALS Bottle#: 7

Method: MSV_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\20230504-83176.b\CY04X07.D
 Lims ID: 410-124489-A-14
 Client ID: HD-QC1-0/1-2
 Sample Type: Client
 Inject. Date: 04-May-2023 11:09:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083176-008
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-May-2023 12:40:36 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1661

First Level Reviewer: kaewrungrueangp

Date: 05-May-2023 12:41:09

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	9.38	93.75
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.88	98.79
\$ 83 Toluene-d8 (Surr)	10.0	10.7	107.12
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.41	94.12

Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X07.D

Injection Date: 04-May-2023 11:09:30

Instrument ID: 10193

Lims ID: 410-124489-A-14

Lab Sample ID: 410-124489-14

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

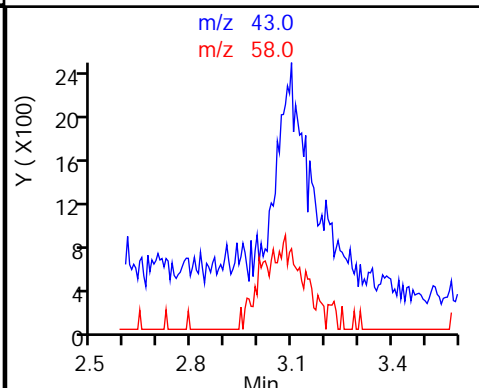
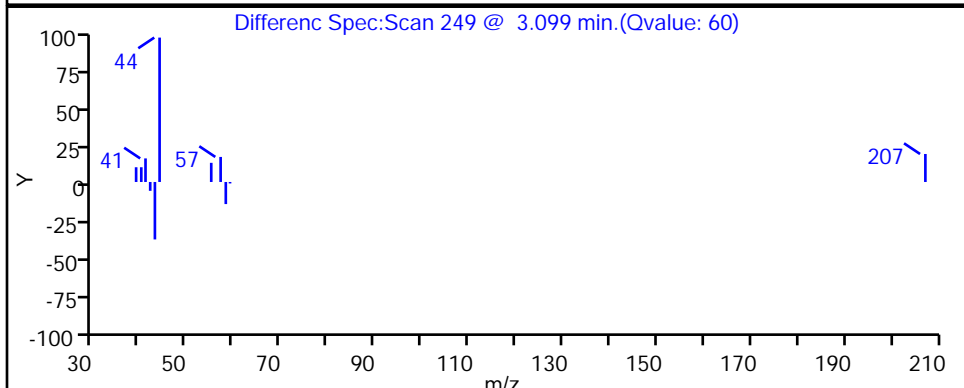
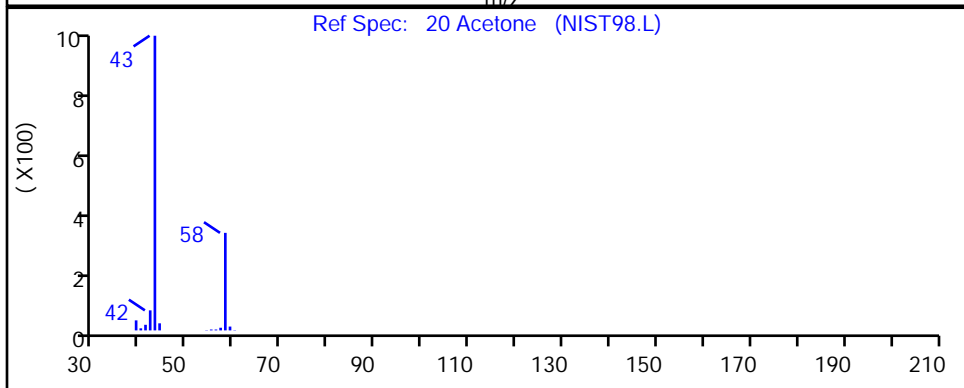
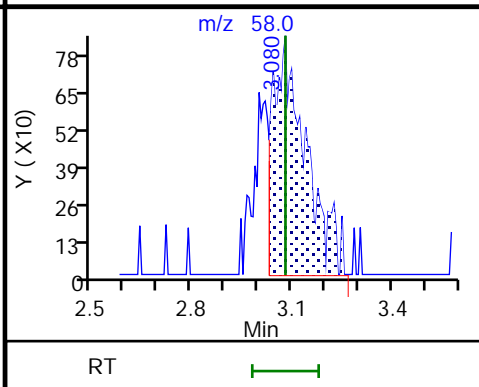
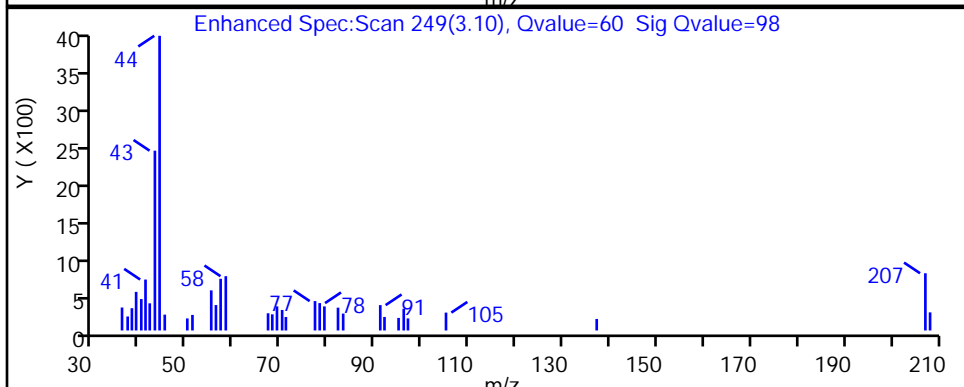
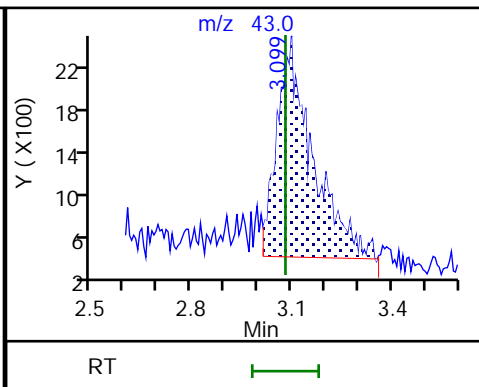
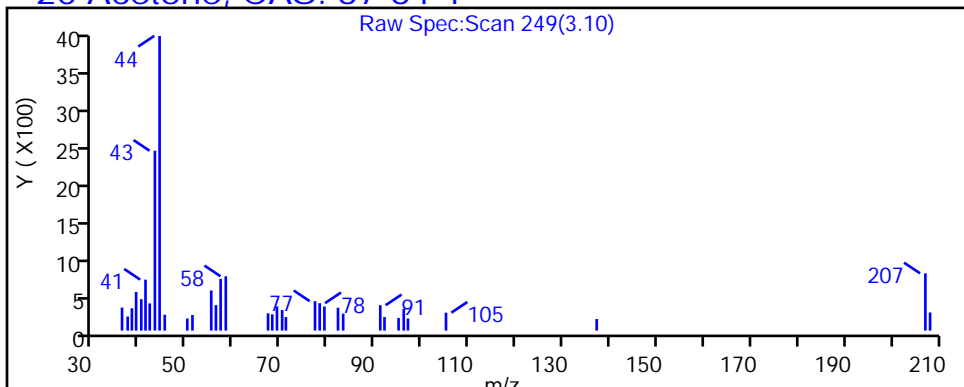
Method: MSV_10193_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

20 Acetone, CAS: 67-64-1



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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-124489-1 Analy Batch No.: 370594
Environment Testing, LLC

SDG No.: _____

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2023 15:17 Calibration End Date: 05/01/2023 17:31 Calibration ID: 49723

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-370594/3	CY01X02.D
Level 2	IC 410-370594/4	CY01X03.D
Level 3	IC 410-370594/5	CY01X04.D
Level 4	IC 410-370594/6	CY01X05.D
Level 5	IC 410-370594/7	CY01X06.D
Level 6	IC 410-370594/8	CY01X07.D
Level 7	IC 410-370594/9	CY01X08.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 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
Chlorodifluoromethane	0.4017 0.4165	0.4122 0.4060	0.4375	0.3647	0.4061	Ave		0.406 4			5.4		20.0				
Methoxymethane	0.4613 0.3887	0.4272 0.3882	0.4751	0.3711	0.3735	Ave		0.412 2			10.3		20.0				
Acetonitrile	++++ 0.0072	++++ 0.0092	0.0090	0.0070	0.0074	Ave		0.008 0			13.2		20.0				
Vinyl acetate	0.3917 0.3703	0.3531 0.3733	0.3838	0.3504	0.3577	Ave		0.368 6			4.3		20.0				
Ethyl acetate	0.1083 0.1484	0.1274 0.1632	0.1435	0.1417	0.1373	Ave		0.138 5			12.4		20.0				
2-Chloroethyl vinyl ether	0.1005 0.1462	0.1220 0.1428	0.1309	0.1265	0.1403	Ave		0.129 9			12.1		20.0				
Cyclohexanone	++++ 0.2226	0.1366 0.2270	0.1492	0.1818	0.1815	Ave		0.183 1			20.2	*	20.0				
cis-1,4-Dichloro-2-butene	0.4391 0.0093	0.1833 0.0042	0.0954	0.0463	0.0186	Ave		0.113 7			137.9	*	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 Enviro Job No.: 410-124489-1 Analy Batch No.: 370594

SDG No.: _____

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2023 15:17 Calibration End Date: 05/01/2023 17:31 Calibration ID: 49723

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-370594/3	CY01X02.D
Level 2	IC 410-370594/4	CY01X03.D
Level 3	IC 410-370594/5	CY01X04.D
Level 4	IC 410-370594/6	CY01X05.D
Level 5	IC 410-370594/7	CY01X06.D
Level 6	IC 410-370594/8	CY01X07.D
Level 7	IC 410-370594/9	CY01X08.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7				LVL 6	LVL 7			
Chlorodifluoromethane	FB	Ave	16742 816179	41986 2040371	88587	146073	400804	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methoxymethane	FB	Ave	19229 761661	43510 1950872	96183	148642	368579	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetonitrile	FB	Ave	+++++ 70643	+++++ 230746	9115	13999	36455	+++++ 50.0	+++++ 125	5.00	10.0	25.0
Vinyl acetate	FB	Ave	16326 725711	35966 1876371	77709	140346	353010	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl acetate	FB	Ave	4514 290778	12973 820020	29062	56766	135527	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloroethyl vinyl ether	FB	Ave	4190 286556	12430 717596	26499	50675	138419	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Cyclohexanone	TBAd 10	Ave	+++++ 236576	10542 723532	16036	43680	86061	+++++ 500	25.0 1250	50.0	100.0	250
cis-1,4-Dichloro-2-butene	CBZd 5	Ave	34785 34384	35419 39512	36485	35257	34698	0.400 20.0	1.00 50.0	2.00	4.00	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 Enviro Job No.: 410-124489-1 Analy Batch No.: 370594

SDG No.: _____

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2023 15:17 Calibration End Date: 05/01/2023 17:31 Calibration ID: 49723

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-370594/3	CY01X02.D
Level 2	IC 410-370594/4	CY01X03.D
Level 3	IC 410-370594/5	CY01X04.D
Level 4	IC 410-370594/6	CY01X05.D
Level 5	IC 410-370594/7	CY01X06.D
Level 6	IC 410-370594/8	CY01X07.D
Level 7	IC 410-370594/9	CY01X08.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	-1.2 -0.1	1.4	7.7	-10.3	-0.1	2.5	50 30	30	30	30	30	30
Methoxymethane	11.9 -5.8	3.7	15.3	-9.9	-9.4	-5.7	50 30	30	30	30	30	30
Acetonitrile	+++++ 15.4	+++++	13.2	-12.1	-7.1	-9.4	30		50	30	30	30
Vinyl acetate	6.3 1.3	-4.2	4.1	-4.9	-3.0	0.5	50 30	30	30	30	30	30
Ethyl acetate	-21.8 17.8	-8.1	3.6	2.3	-0.9	7.1	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	-22.6 9.9	-6.0	0.8	-2.6	8.0	12.6	50 30	30	30	30	30	30
Cyclohexanone	+++++ 24.0	-25.4	-18.5	-0.7	-0.9	21.6	30	50	30	30	30	30
cis-1,4-Dichloro-2-butene	286.1 * -96.3 *	61.2 *	-16.1	-59.3 *	-83.7 *	-91.8 *	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X02.D
 Lims ID: IC STD.2 Sm
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 01-May-2023 15:17:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0082854-003
 Misc. Info.: IC STD.2 SM
 Operator ID: knk41612 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub26
 Method: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 07:27:23 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1625

First Level Reviewer: DVW2

Date: 02-May-2023 07:47:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.684	1.684	0.000	67	4685	0.2000	0.1374	
3 Chlorodifluoromethane	51	1.739	1.727	0.012	95	16742	0.2000	0.1977	
4 Dimethyl ether	45	1.794	1.776	0.018	37	19229	0.2000	0.2239	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.081	2.062	0.019	35	12972	0.2000	0.1690	
27 Acetonitrile	41	3.452	3.440	0.012	66	8007	1.00	4.83	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.660	3.672	-0.012	96	182960	50.0	50.0	
38 Vinyl acetate	43	4.641	4.568	0.073	89	16326	0.2000	0.2125	M
46 Ethyl acetate	43	5.531	5.494	0.037	56	4514	0.2000	0.1563	
63 Isopropyl acetate	43	6.787	6.756	0.031	97	17274	0.2000	0.2158	
* 65 Fluorobenzene (IS)	96	7.068	7.055	0.013	99	2084055	10.0	10.0	
75 n-Propyl acetate	61	8.140	8.104	0.036	97	3127	0.2000	0.1872	
79 2-Chloroethyl vinyl ether	63	8.677	8.646	0.031	89	4190	0.2000	0.1548	
109 n-Butyl acetate	43	10.189	10.158	0.031	95	11060	0.2000	0.1757	M
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.743	0.001	85	1980144	10.0	10.0	
123 Cyclohexanone	55	11.756	11.737	0.019	58	558	10.0	0.8328	
122 cis-1,4-Dichloro-2-butene	88	11.798	11.792	0.006	49	34785	0.4000	1.54	a
* 139 1,4-Dichlorobenzene-d4	152	12.701	12.700	0.001	94	1208763	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_V5ACE_00023	Amount Added: 0.20	Units: uL
MSV_V_SMRV4_00058	Amount Added: 1.00	Units: uL
MSV_CCV_CYC_00005	Amount Added: 1.60	Units: uL
MSV_HP25_ISO_00008	Amount Added: 1.00	Units: uL
MSV_DME_00047	Amount Added: 0.20	Units: uL

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X02.D

Injection Date: 01-May-2023 15:17:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: IC STD.2 Sm

Worklist Smp#: 3

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

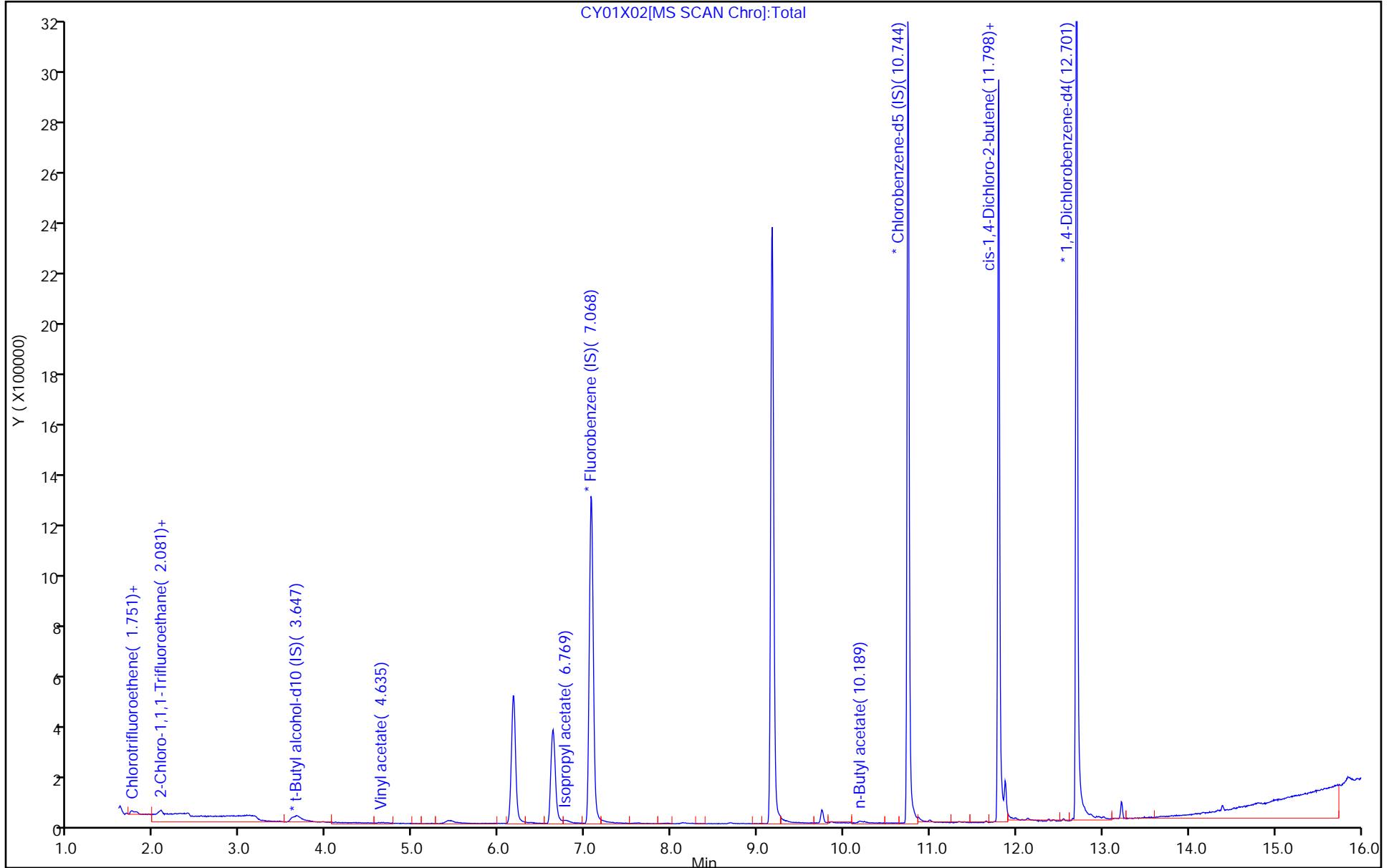
ALS Bottle#: 2

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



Eurofins Lancaster Laboratories Environment Testing, LLC

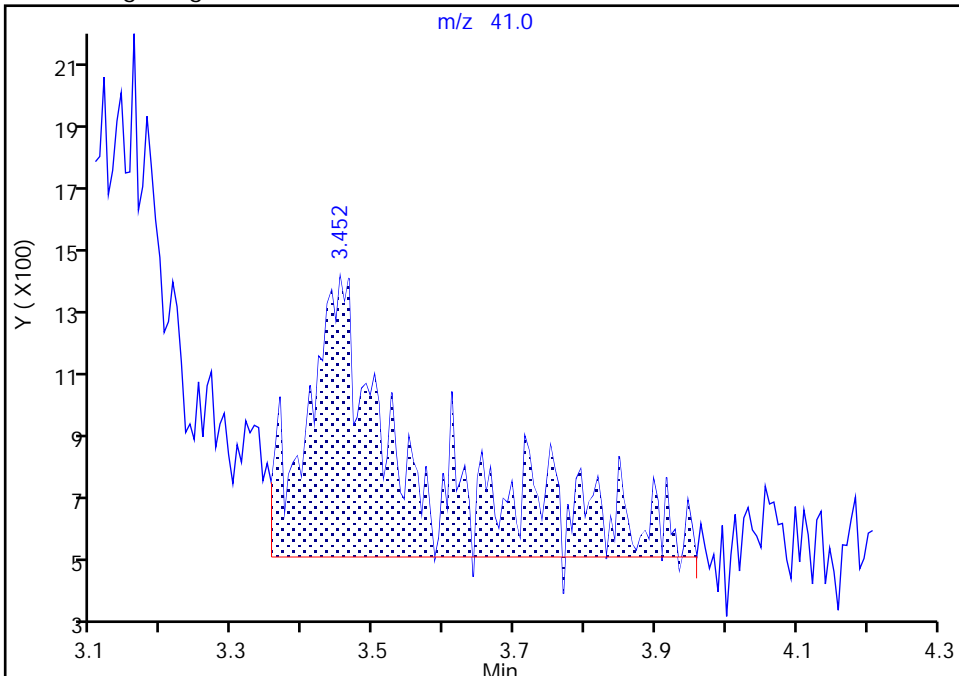
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Injection Date: 01-May-2023 15:17:30 Instrument ID: 10193
Lims ID: IC STD.2 Sm
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

27 Acetonitrile, CAS: 75-05-8

Signal: 1

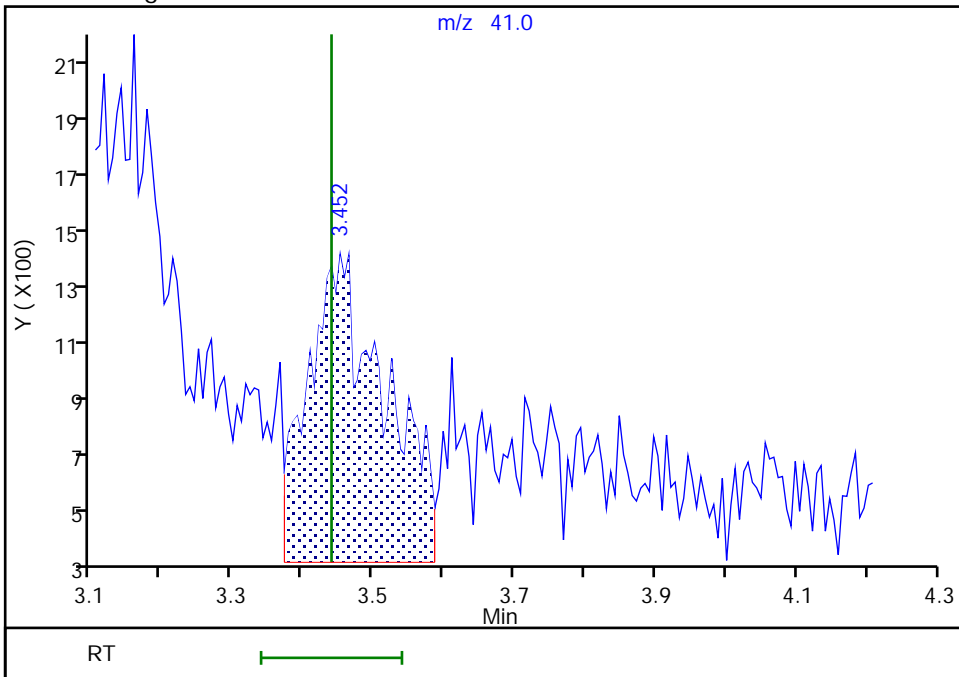
RT: 3.45
Area: 9555
Amount: 1.909865
Amount Units: ug/l

Processing Integration Results



RT: 3.45
Area: 8007
Amount: 4.829635
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 08:11:06 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

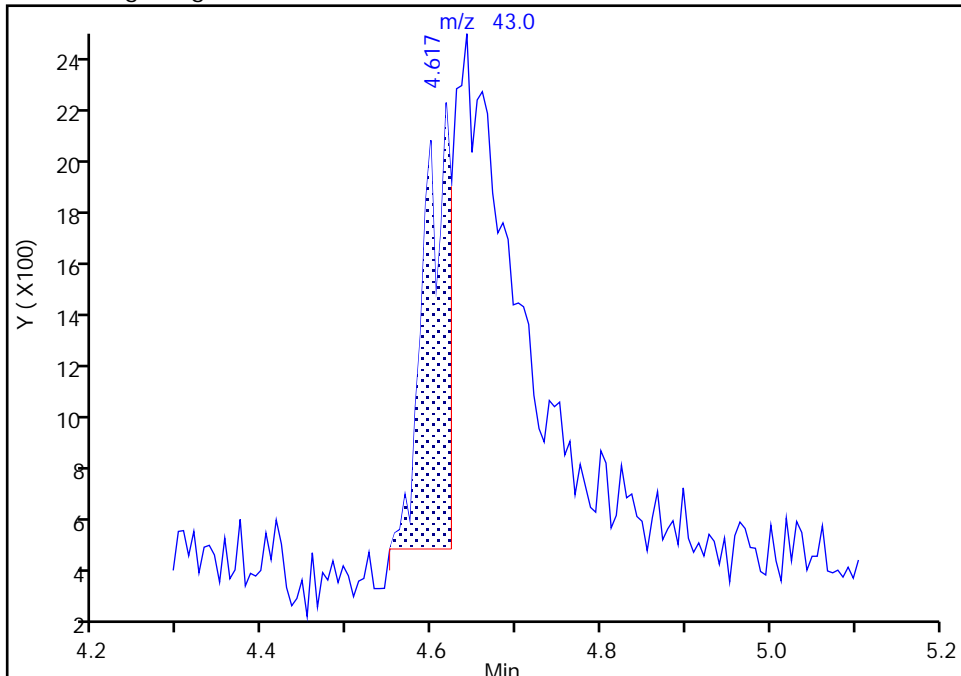
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X02.D
Injection Date: 01-May-2023 15:17:30 Instrument ID: 10193
Lims ID: IC STD.2 Sm
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

38 Vinyl acetate, CAS: 108-05-4

Signal: 1

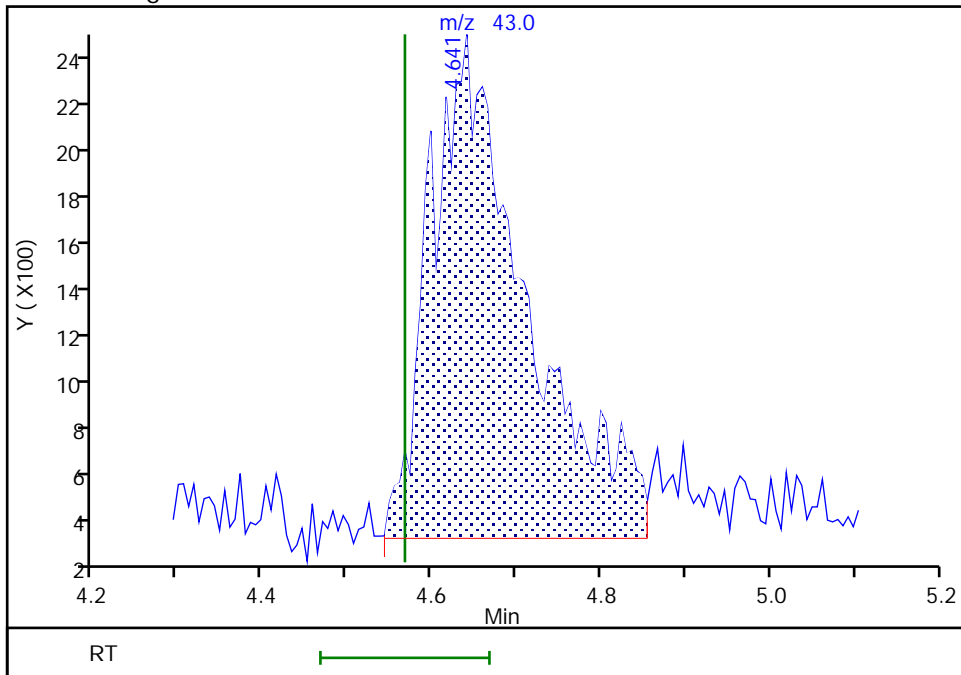
RT: 4.62
Area: 3586
Amount: -0.055225
Amount Units: ug/l

Processing Integration Results



RT: 4.64
Area: 16326
Amount: 0.212505
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 07:46:50 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

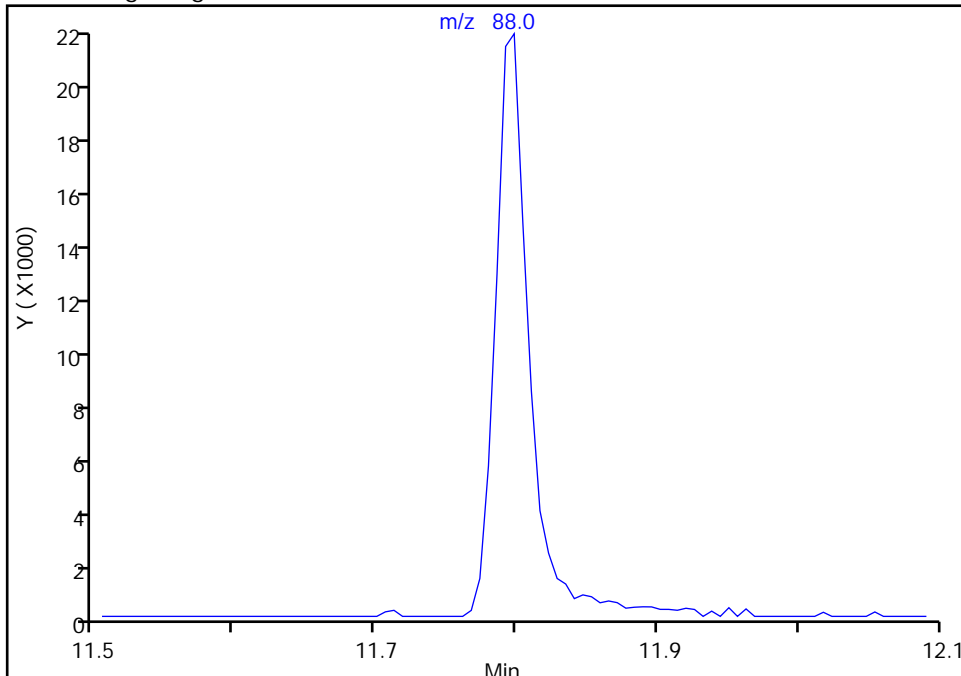
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X02.D
Injection Date: 01-May-2023 15:17:30 Instrument ID: 10193
Lims ID: IC STD.2 Sm
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

122 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

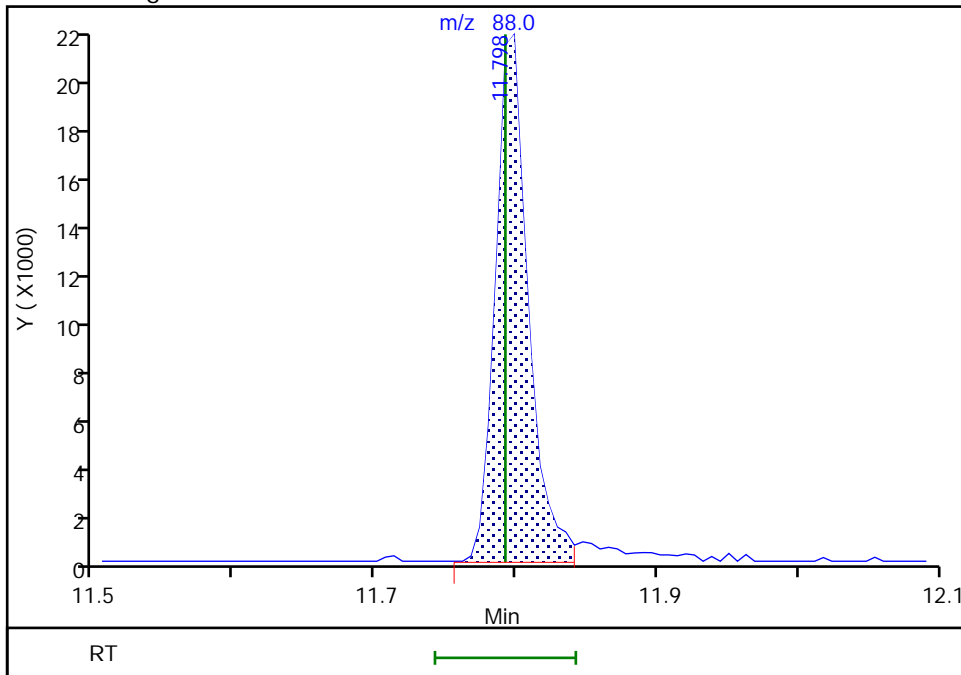
Not Detected
Expected RT: 11.79

Processing Integration Results



Manual Integration Results

RT: 11.80
Area: 34785
Amount: 1.544456
Amount Units: ug/l



Reviewer: DVW2, 02-May-2023 08:13:43 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
 Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X03.D
 Lims ID: IC STD.5 Sm
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 01-May-2023 15:40:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0082854-004
 Misc. Info.: IC STD.5 SM
 Operator ID: knk41612 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub26
 Method: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 07:27:25 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1625

First Level Reviewer: DVW2 Date: 02-May-2023 07:48:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.691	1.684	0.007	91	16088	0.5000	0.4828	
3 Chlorodifluoromethane	51	1.733	1.727	0.006	97	41986	0.5000	0.5072	
4 Dimethyl ether	45	1.782	1.776	0.006	100	43510	0.5000	0.5183	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.069	2.062	0.007	34	37812	0.5000	0.5040	
27 Acetonitrile	41	3.532	3.440	0.092	66	7647	2.50	4.72	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.660	3.672	-0.012	97	154364	50.0	50.0	
38 Vinyl acetate	43	4.629	4.568	0.061	97	35966	0.5000	0.4790	
46 Ethyl acetate	43	5.519	5.494	0.025	97	12973	0.5000	0.4597	
63 Isopropyl acetate	43	6.775	6.756	0.019	98	36027	0.5000	0.4604	
* 65 Fluorobenzene (IS)	96	7.068	7.055	0.013	99	2036946	10.0	10.0	
75 n-Propyl acetate	61	8.122	8.104	0.018	98	7037	0.5000	0.4311	
79 2-Chloroethyl vinyl ether	63	8.665	8.646	0.019	92	12430	0.5000	0.4698	
109 n-Butyl acetate	43	10.177	10.158	0.019	97	24173	0.5000	0.3936	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.743	0.001	85	1932170	10.0	10.0	
123 Cyclohexanone	55	11.792	11.737	0.055	36	10542	25.0	18.6	Ma
122 cis-1,4-Dichloro-2-butene	88	11.792	11.792	0.000	40	35419	1.00	1.61	a
* 139 1,4-Dichlorobenzene-d4	152	12.701	12.700	0.001	94	1161481	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_V5ACE_00023	Amount Added: 0.50	Units: uL
MSV_CCV_CYC_00005	Amount Added: 4.00	Units: uL
MSV_V_SMRV4_00058	Amount Added: 2.50	Units: uL
MSV_HP25_ISO_00008	Amount Added: 1.00	Units: uL
MSV_DME_00047	Amount Added: 0.50	Units: uL

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X03.D

Injection Date: 01-May-2023 15:40:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: IC STD.5 Sm

Worklist Smp#: 4

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

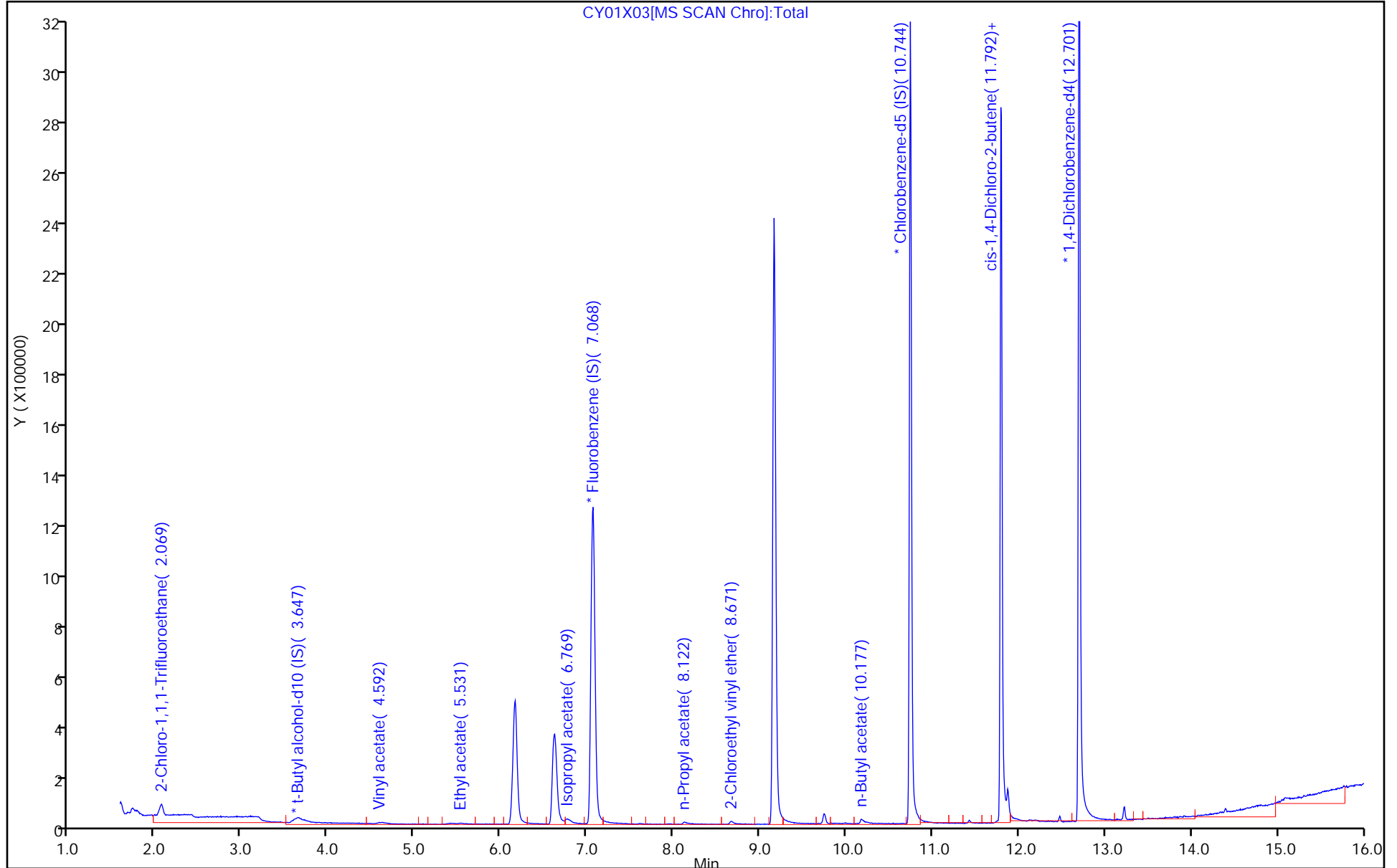
ALS Bottle#: 3

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

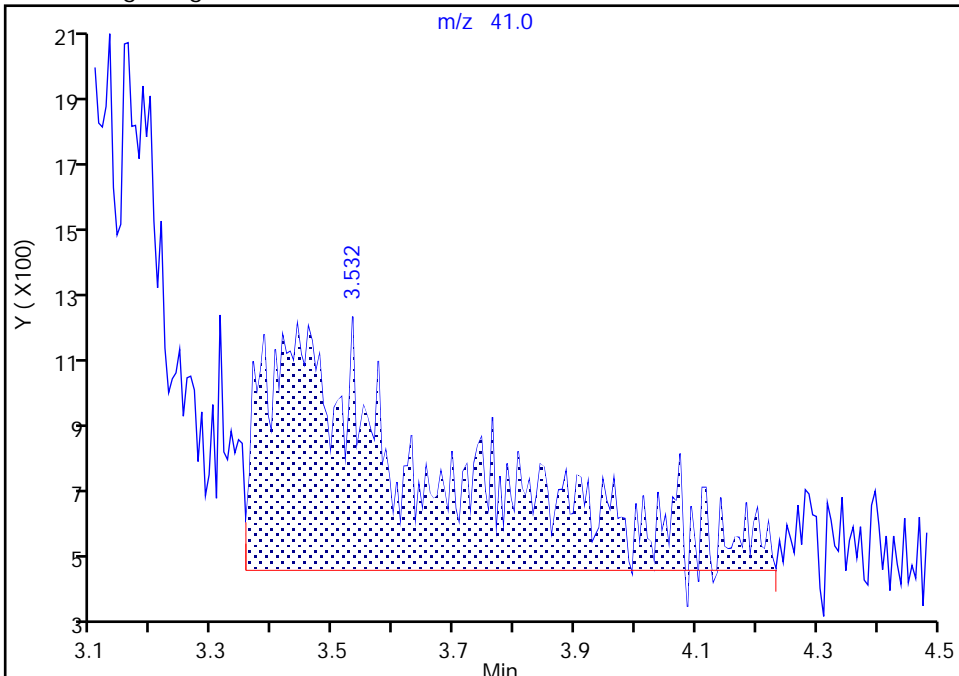
Data File:	\\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X03.D		
Injection Date:	01-May-2023 15:40:30	Instrument ID:	10193
Lims ID:	IC STD.5 Sm		
Client ID:			
Operator ID:	knk41612	ALS Bottle#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D
Column:	Rxi-624Sil MS Capillary Column (0.25mm ID)	Detector:	MS Quad
		Worklist Smp#:	4

27 Acetonitrile, CAS: 75-05-8

Signal: 1

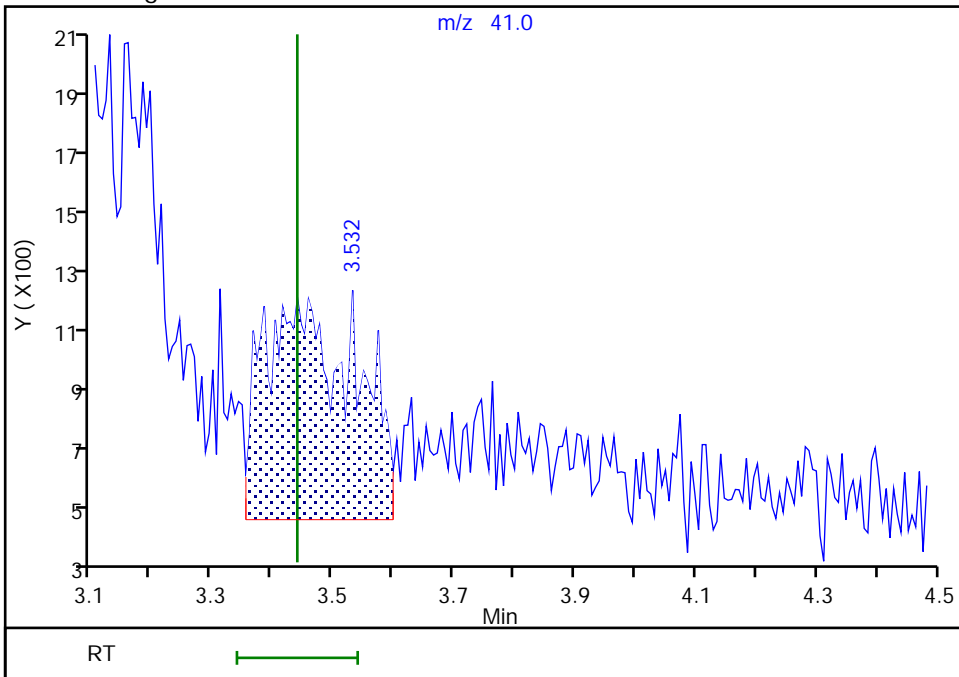
RT: 3.53
 Area: 14523
 Amount: 3.712353
 Amount Units: ug/l

Processing Integration Results



RT: 3.53
 Area: 7647
 Amount: 4.719166
 Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 08:12:25 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Euofins Lancaster Laboratories Environment Testing, LLC

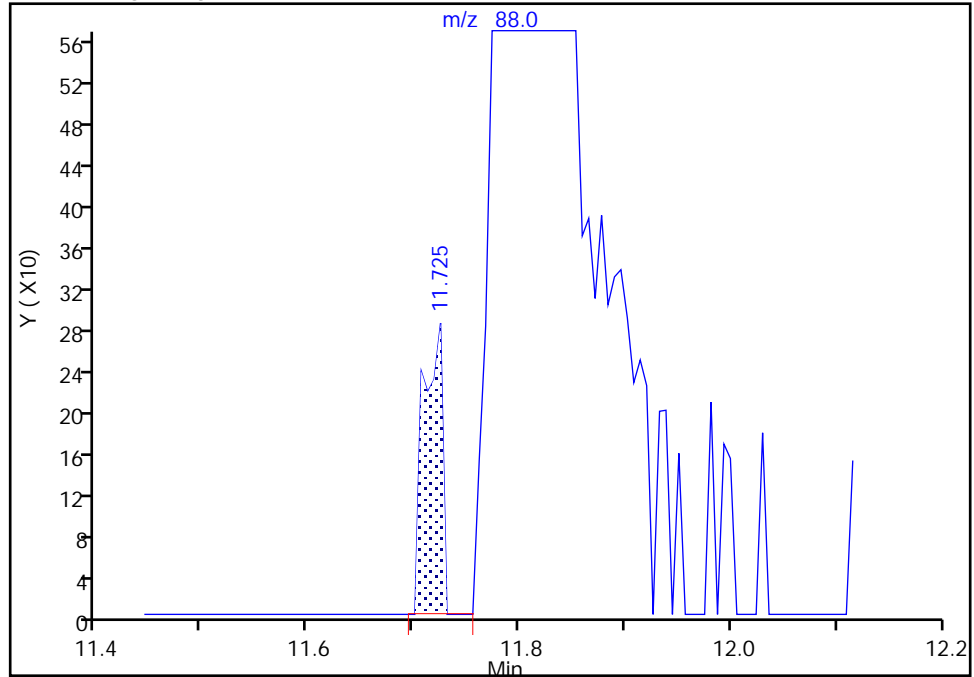
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X03.D
Injection Date: 01-May-2023 15:40:30 Instrument ID: 10193
Lims ID: IC STD.5 Sm
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

122 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

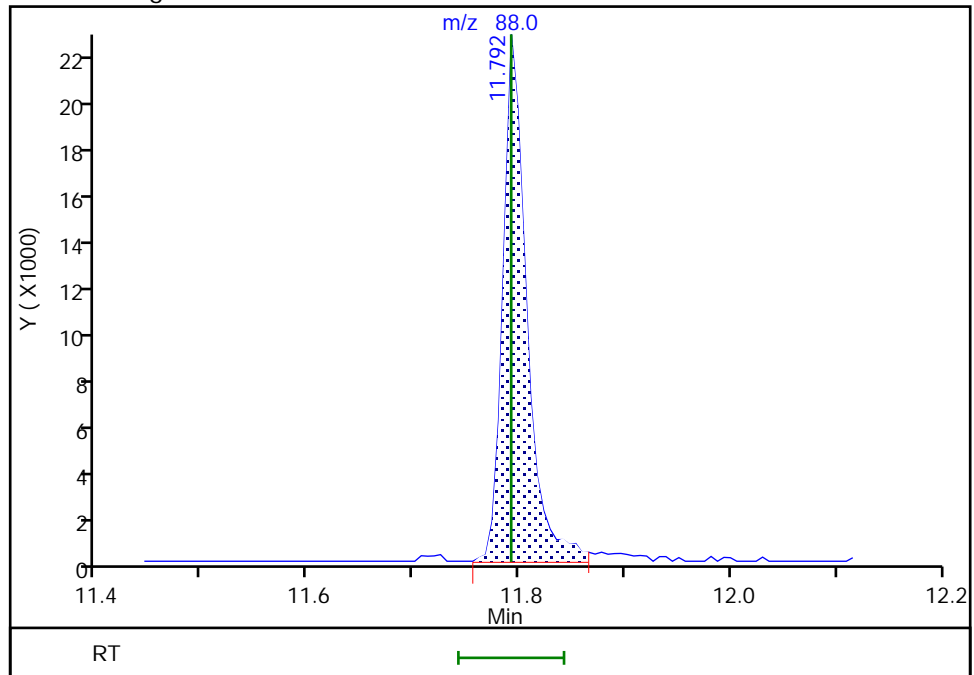
RT: 11.73
Area: 354
Amount: 0.026495
Amount Units: ug/l

Processing Integration Results



RT: 11.79
Area: 35419
Amount: 1.611652
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 07:48:04 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

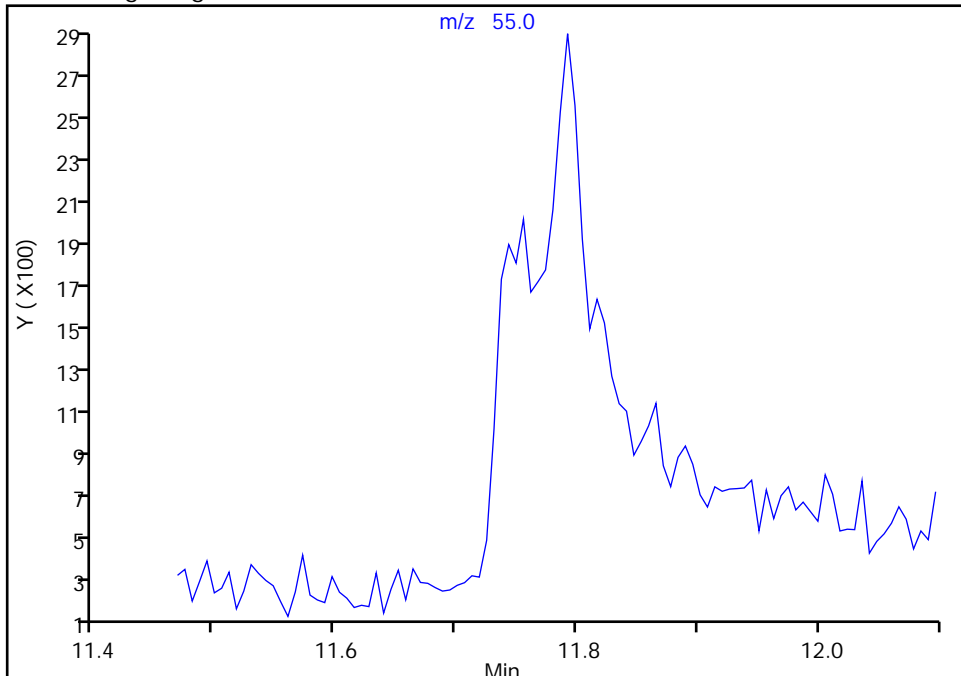
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Injection Date: 01-May-2023 15:40:30 Instrument ID: 10193
Lims ID: IC STD.5 Sm
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

123 Cyclohexanone, CAS: 108-94-1

Signal: 1

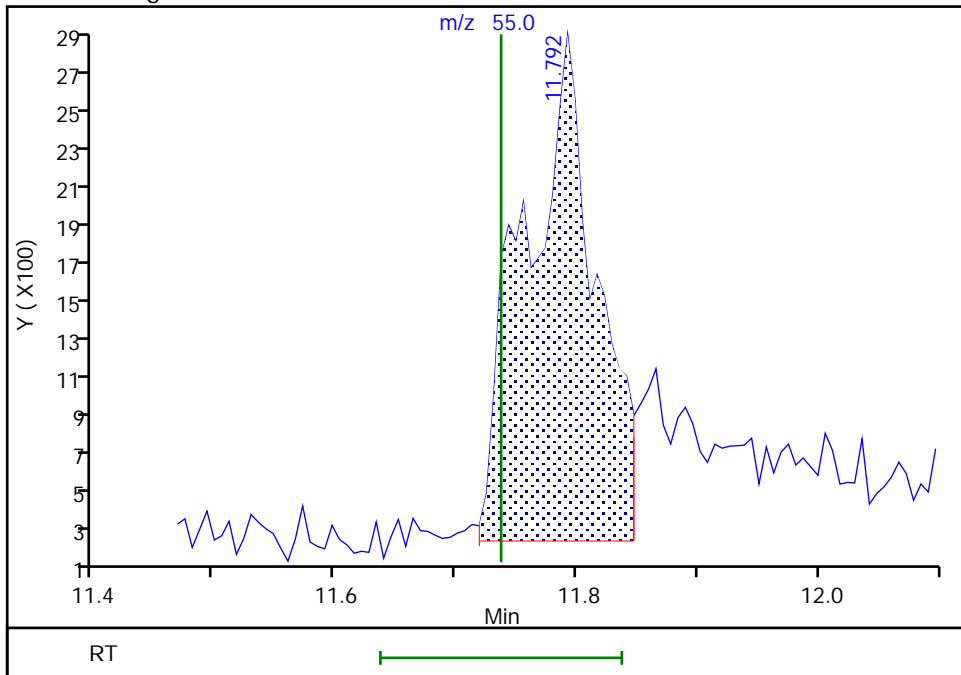
Not Detected
Expected RT: 11.74

Processing Integration Results



Manual Integration Results

RT: 11.79
Area: 10542
Amount: 18.648876
Amount Units: ug/l



Reviewer: DVW2, 02-May-2023 07:48:36 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X04.D
 Lims ID: IC STD1 Sm
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 01-May-2023 16:02:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0082854-005
 Misc. Info.: IC STD1 SM
 Operator ID: knk41612 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub26
 Method: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 07:27:26 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1625

First Level Reviewer: DVW2

Date: 02-May-2023 07:49:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.697	1.684	0.013	91	36377	1.00	1.10	
3 Chlorodifluoromethane	51	1.733	1.727	0.006	97	88587	1.00	1.08	
4 Dimethyl ether	45	1.788	1.776	0.012	99	96183	1.00	1.15	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.074	2.062	0.012	35	81958	1.00	1.10	
27 Acetonitrile	41	3.532	3.440	0.092	79	9115	5.00	5.66	Ma
* 31 t-Butyl alcohol-d10 (IS)	65	3.684	3.672	0.012	96	107514	50.0	50.0	
38 Vinyl acetate	43	4.592	4.568	0.024	97	77709	1.00	1.04	a
46 Ethyl acetate	43	5.531	5.494	0.037	99	29062	1.00	1.04	
63 Isopropyl acetate	43	6.775	6.756	0.019	98	83168	1.00	1.07	
* 65 Fluorobenzene (IS)	96	7.061	7.055	0.006	99	2024630	10.0	10.0	
75 n-Propyl acetate	61	8.122	8.104	0.018	98	17504	1.00	1.08	
79 2-Chloroethyl vinyl ether	63	8.665	8.646	0.019	93	26499	1.00	1.01	
109 n-Butyl acetate	43	10.170	10.158	0.012	98	63493	1.00	1.04	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.743	0.001	85	1912067	10.0	10.0	
123 Cyclohexanone	55	11.792	11.737	0.055	89	16036	50.0	40.7	M
122 cis-1,4-Dichloro-2-butene	88	11.792	11.792	0.000	40	36485	2.00	1.68	a
* 139 1,4-Dichlorobenzene-d4	152	12.700	12.700	0.000	94	1147590	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_V5ACE_00023	Amount Added: 0.50	Units: uL
MSV_CCV_CYC_00005	Amount Added: 4.00	Units: uL
MSV_V_SMRV4_00058	Amount Added: 2.50	Units: uL
MSV_HP25_ISO_00008	Amount Added: 1.00	Units: uL
MSV_DME_00047	Amount Added: 0.50	Units: uL

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X04.D

Injection Date: 01-May-2023 16:02:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: IC STD1 Sm

Worklist Smp#: 5

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

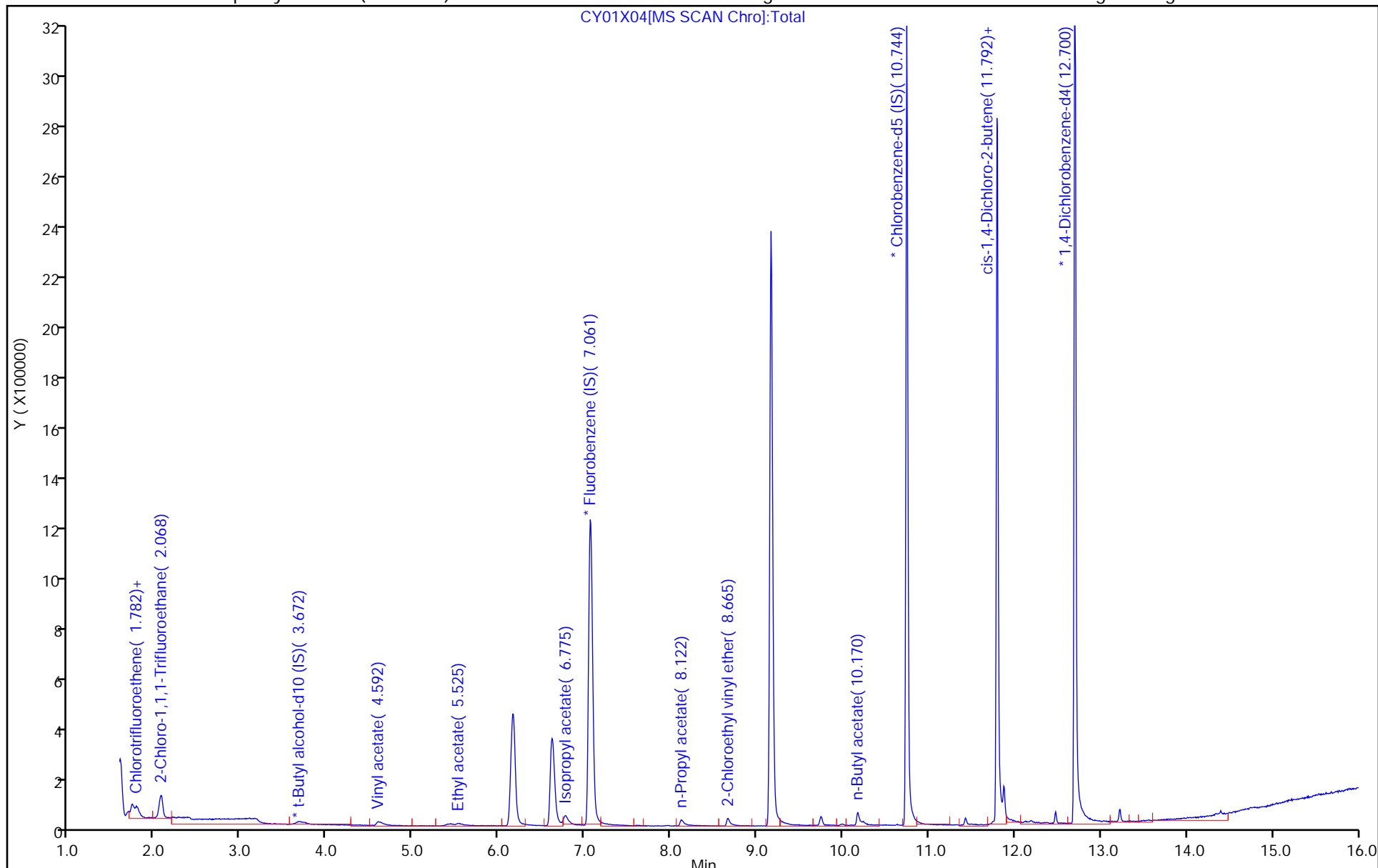
ALS Bottle#: 4

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



Eurofins Lancaster Laboratories Environment Testing, LLC

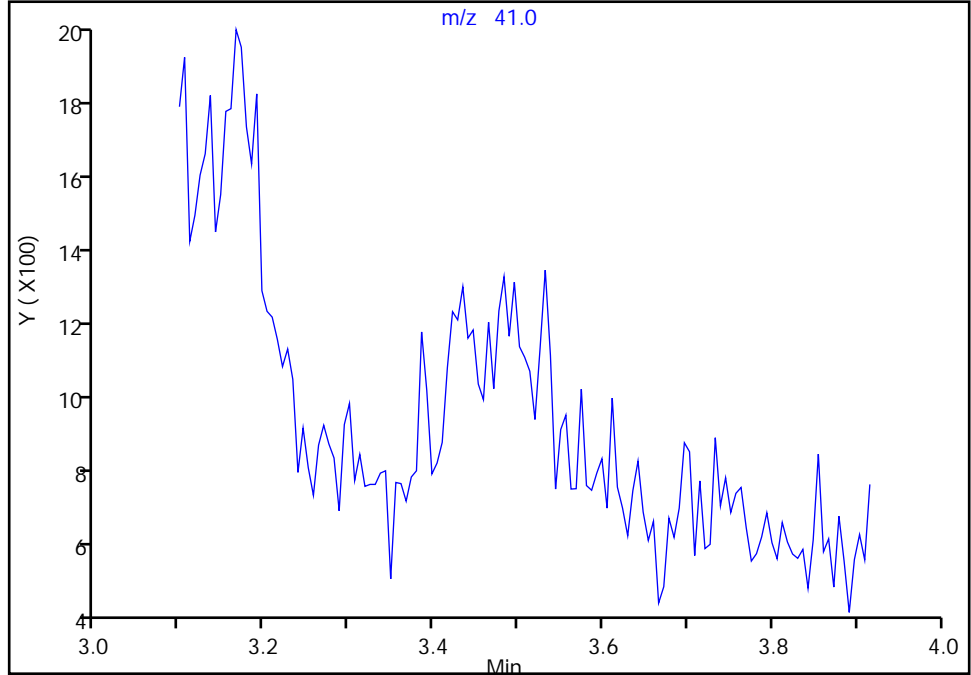
Data File:	\\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X04.D		
Injection Date:	01-May-2023 16:02:30	Instrument ID:	10193
Lims ID:	IC STD1 Sm		
Client ID:			
Operator ID:	knk41612	ALS Bottle#:	4
Purge Vol:	25.000 mL	Dil. Factor:	1.0000
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D
Column:	Rxi-624Sil MS Capillary Column (0.25mm ID)	Detector:	MS Quad
		Worklist Smp#:	5

27 Acetonitrile, CAS: 75-05-8

Signal: 1

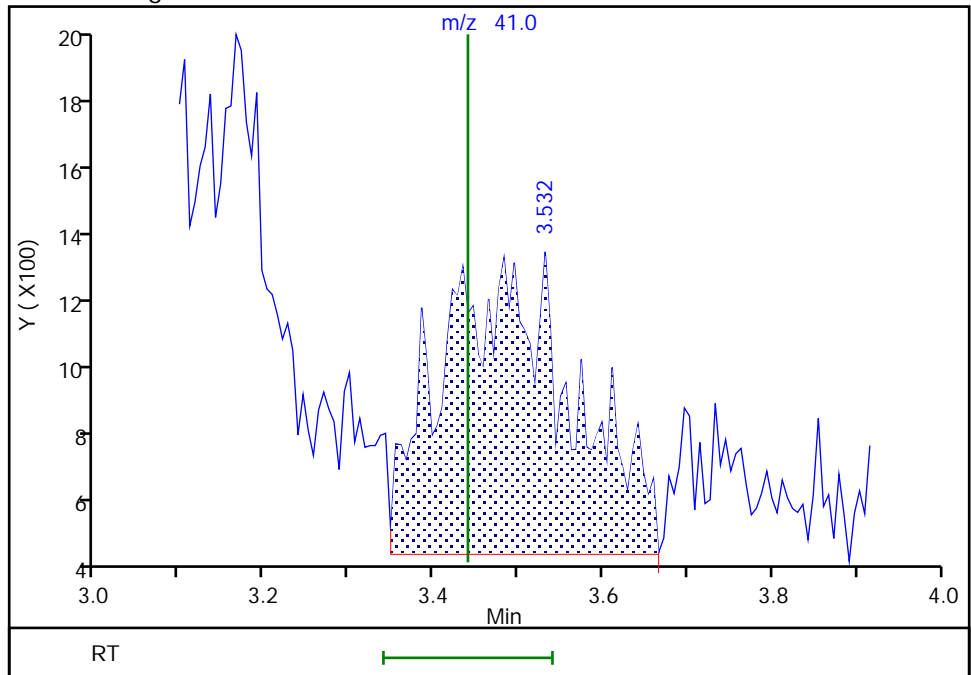
RT: 3.43
 Area: 0
 Amount: 0
 Amount Units: ug/l

Processing Integration Results



RT: 3.53
 Area: 9115
 Amount: 5.659326
 Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 07:49:04 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

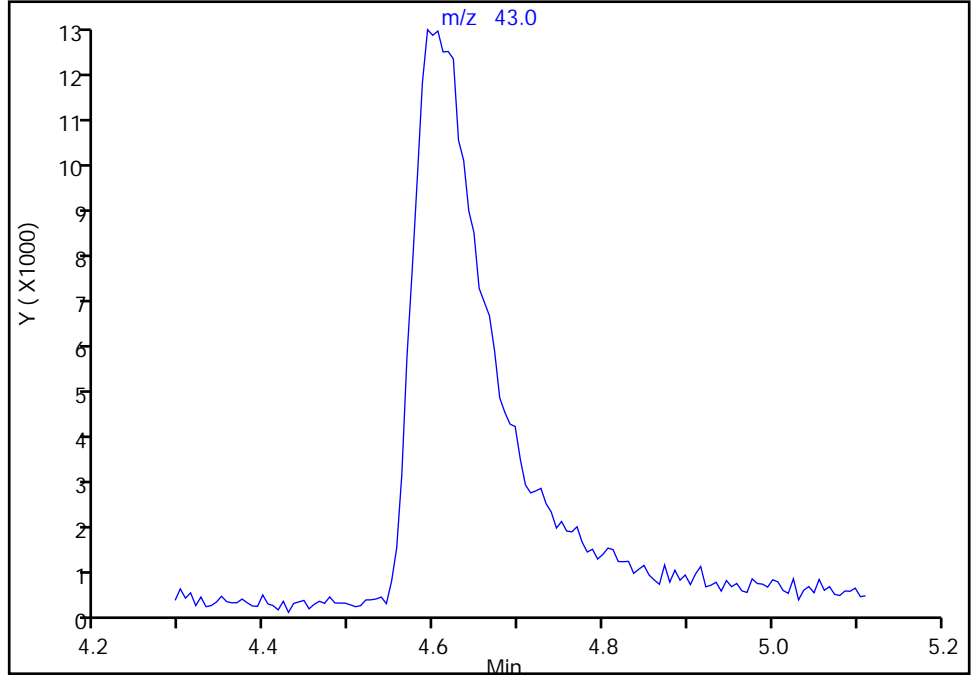
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X04.D
Injection Date: 01-May-2023 16:02:30 Instrument ID: 10193
Lims ID: IC STD1 Sm
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

38 Vinyl acetate, CAS: 108-05-4

Signal: 1

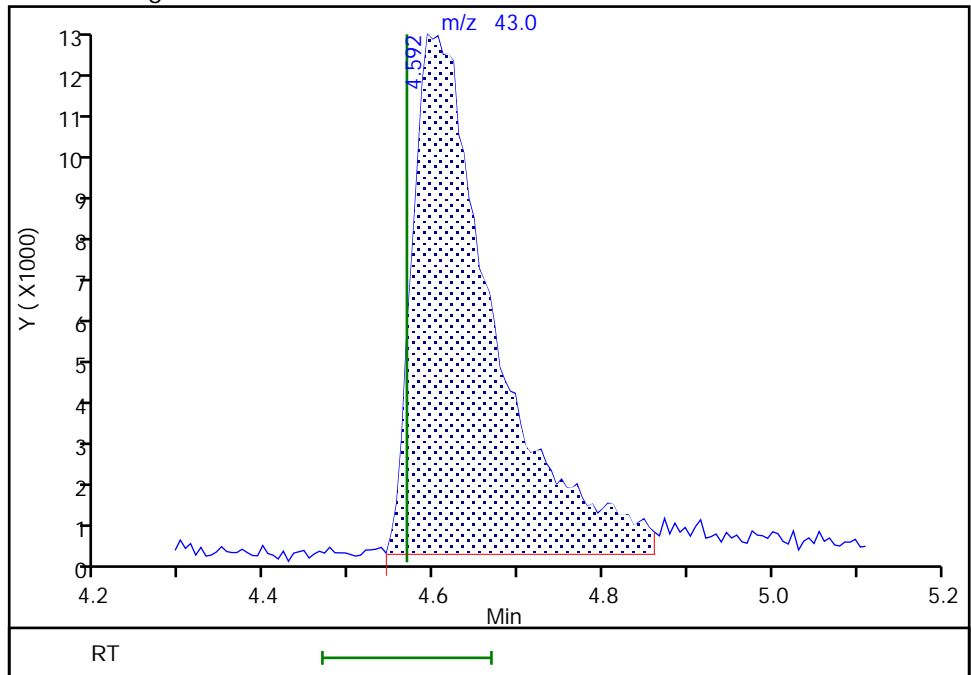
Not Detected
Expected RT: 4.57

Processing Integration Results



Manual Integration Results

RT: 4.59
Area: 77709
Amount: 1.041175
Amount Units: ug/l



Reviewer: DVW2, 02-May-2023 07:49:10 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

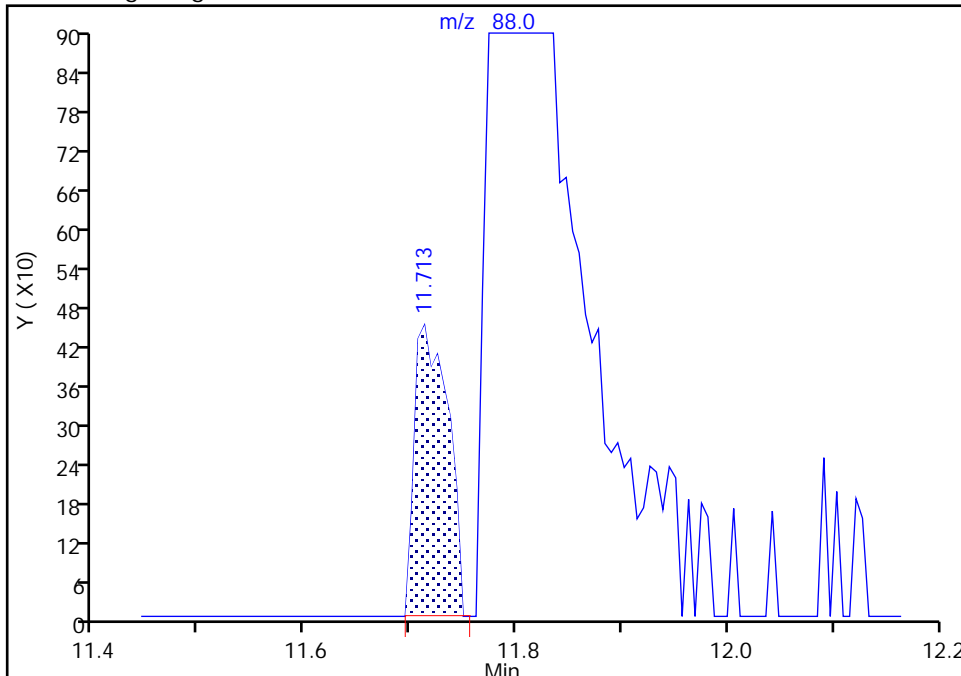
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X04.D
Injection Date: 01-May-2023 16:02:30 Instrument ID: 10193
Lims ID: IC STD1 Sm
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

122 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

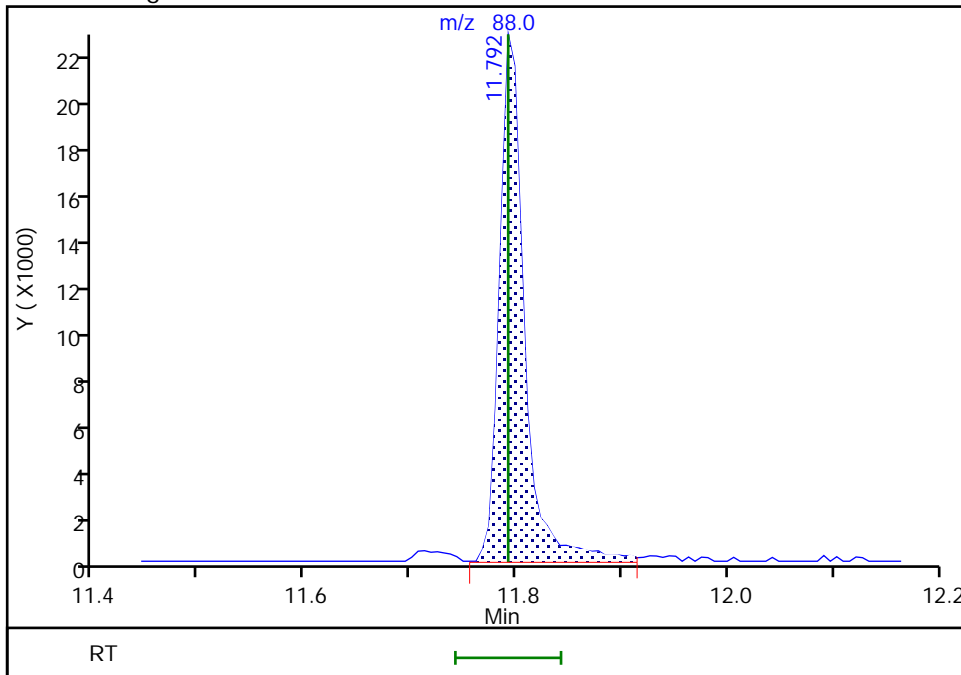
RT: 11.71
Area: 981
Amount: 0.053963
Amount Units: ug/l

Processing Integration Results



RT: 11.79
Area: 36485
Amount: 1.677612
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 07:49:22 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

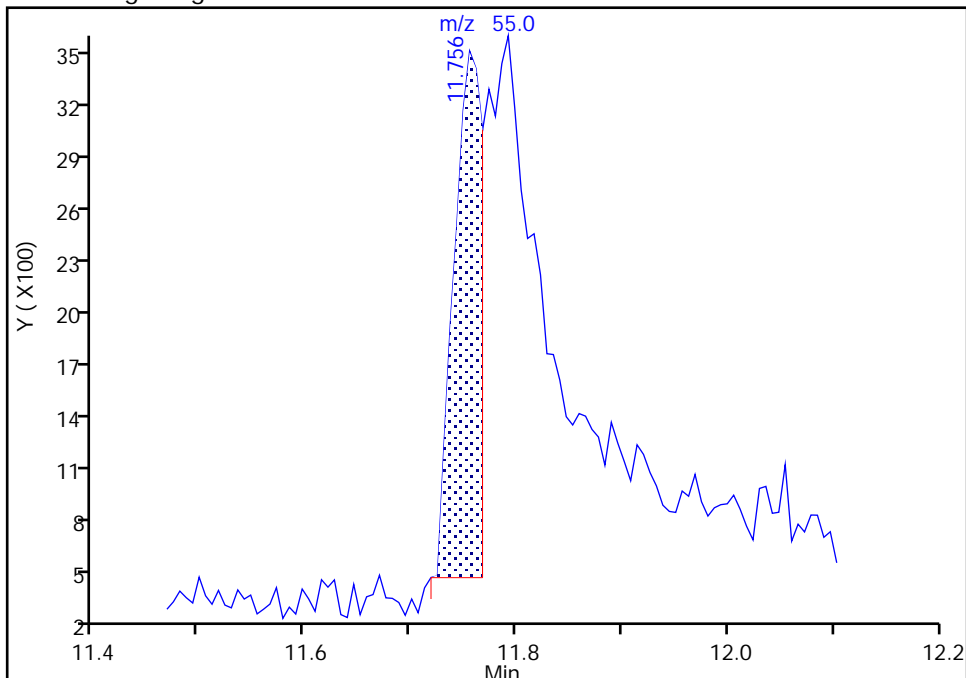
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X04.D
Injection Date: 01-May-2023 16:02:30 Instrument ID: 10193
Lims ID: IC STD1 Sm
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

123 Cyclohexanone, CAS: 108-94-1

Signal: 1

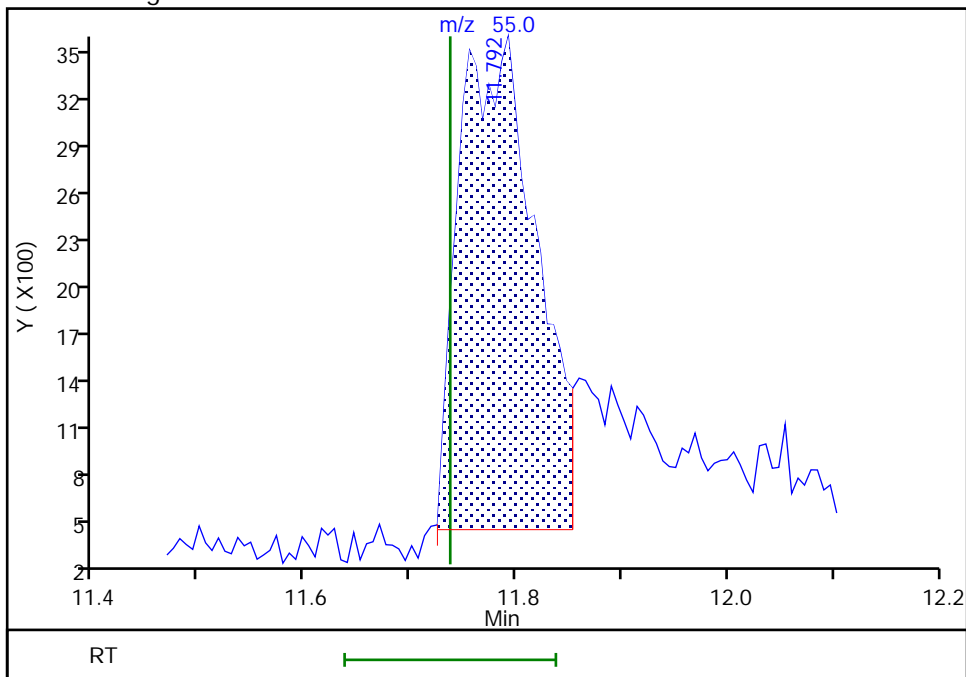
RT: 11.76
Area: 5695
Amount: 19.814474
Amount Units: ug/l

Processing Integration Results



RT: 11.79
Area: 16036
Amount: 40.729276
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 07:49:42 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
 Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X05.D
 Lims ID: IC STD2 Sm
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 01-May-2023 16:24:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0082854-006
 Misc. Info.: IC STD2 SM
 Operator ID: knk41612 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub26
 Method: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 07:27:28 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1625

First Level Reviewer: DVW2 Date: 02-May-2023 07:50:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.678	1.684	-0.006	95	60408	2.00	1.84	
3 Chlorodifluoromethane	51	1.721	1.727	-0.006	97	146073	2.00	1.79	
4 Dimethyl ether	45	1.776	1.776	0.000	99	148642	2.00	1.80	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.056	2.062	-0.006	34	133862	2.00	1.81	
27 Acetonitrile	41	3.458	3.440	0.018	19	13999	10.0	8.79	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.653	3.672	-0.019	96	120167	50.0	50.0	
38 Vinyl acetate	43	4.580	4.568	0.012	97	140346	2.00	1.90	a
46 Ethyl acetate	43	5.519	5.494	0.025	99	56766	2.00	2.05	
63 Isopropyl acetate	43	6.763	6.756	0.007	98	148212	2.00	1.93	
* 65 Fluorobenzene (IS)	96	7.061	7.055	0.006	99	2002456	10.0	10.0	
75 n-Propyl acetate	61	8.116	8.104	0.012	98	30185	2.00	1.88	
79 2-Chloroethyl vinyl ether	63	8.658	8.646	0.012	92	50675	2.00	1.95	
109 n-Butyl acetate	43	10.164	10.158	0.006	98	116794	2.00	1.93	
* 111 Chlorobenzene-d5 (IS)	117	10.743	10.743	0.000	85	1902638	10.0	10.0	
123 Cyclohexanone	55	11.743	11.737	0.006	92	43680	100.0	99.3	M
122 cis-1,4-Dichloro-2-butene	88	11.792	11.792	0.000	40	35257	4.00	1.63	a
* 139 1,4-Dichlorobenzene-d4	152	12.700	12.700	0.000	94	1139584	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_V5ACE_00023	Amount Added: 1.00	Units: uL
MSV_CCV_CYC_00005	Amount Added: 8.00	Units: uL
MSV_V_SMRV4_00058	Amount Added: 5.00	Units: uL
MSV_HP25_ISO_00008	Amount Added: 1.00	Units: uL
MSV_DME_00047	Amount Added: 1.00	Units: uL

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X05.D

Injection Date: 01-May-2023 16:24:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: IC STD2 Sm

Worklist Smp#: 6

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

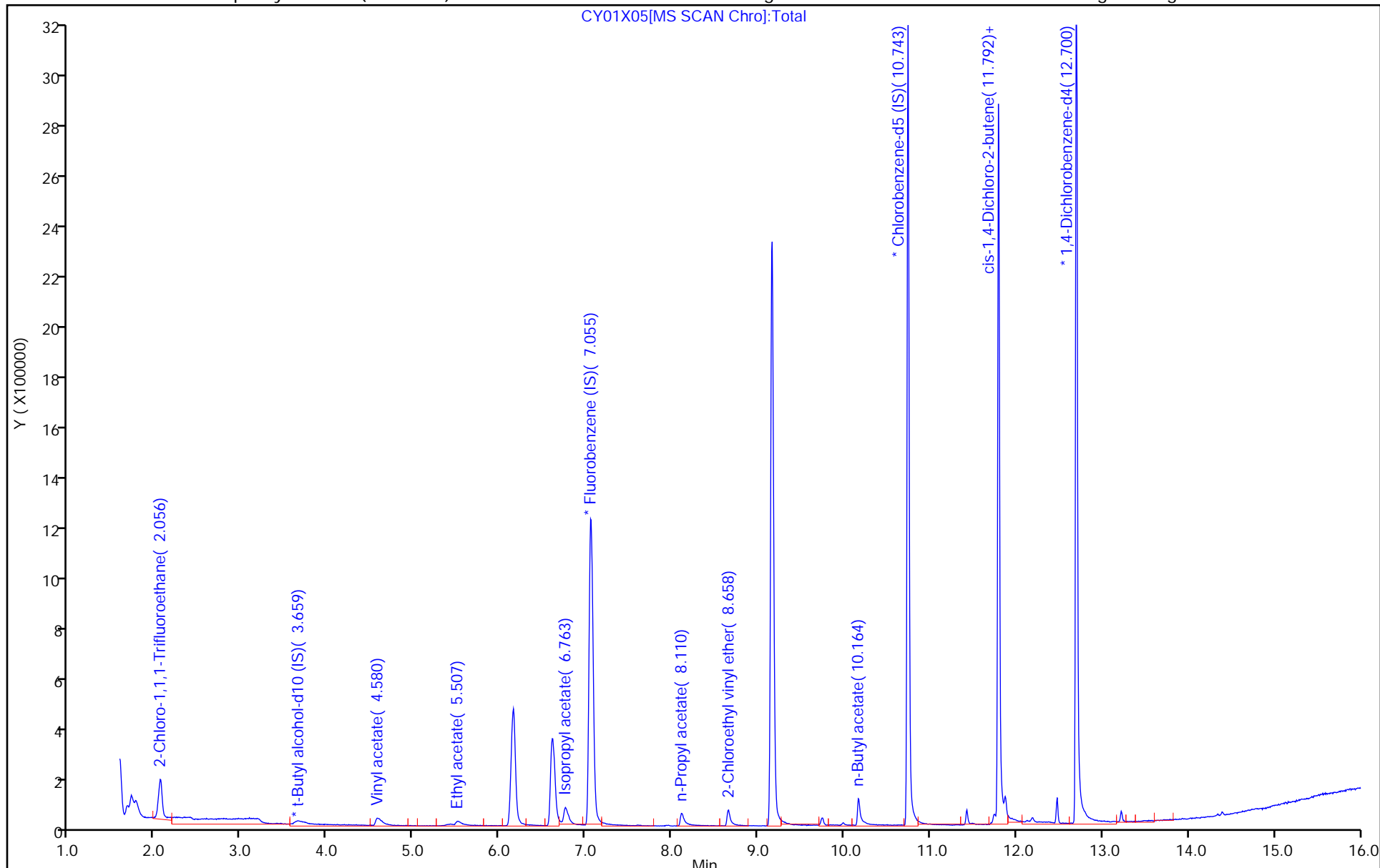
ALS Bottle#: 5

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



Eurofins Lancaster Laboratories Environment Testing, LLC

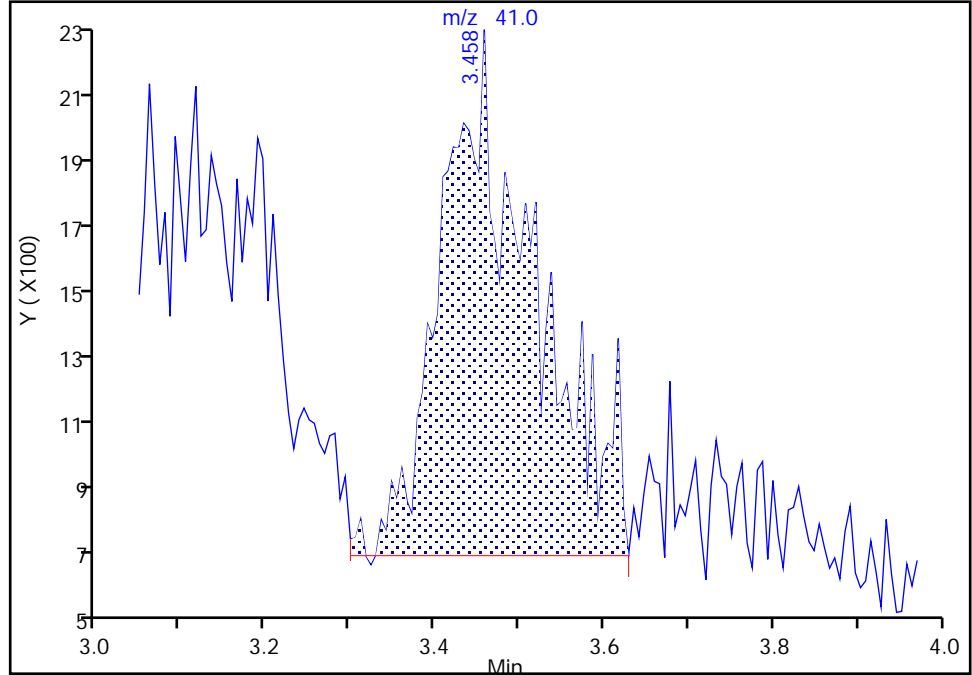
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X05.D
Injection Date: 01-May-2023 16:24:30 Instrument ID: 10193
Lims ID: IC STD2 Sm
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

27 Acetonitrile, CAS: 75-05-8

Signal: 1

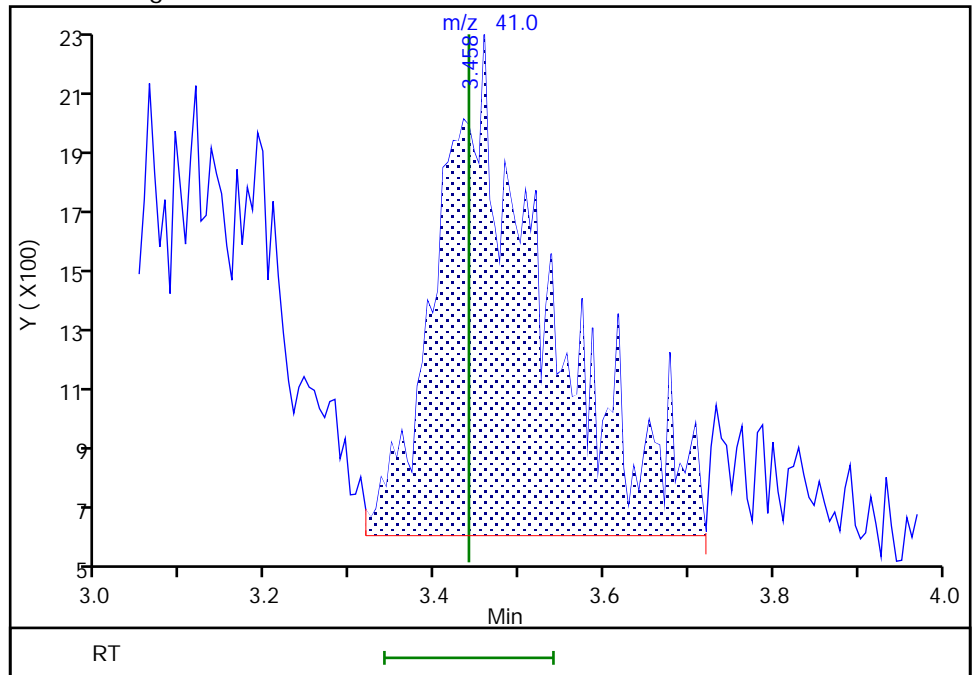
RT: 3.46
Area: 11242
Amount: 4.636573
Amount Units: ug/l

Processing Integration Results



RT: 3.46
Area: 13999
Amount: 8.787953
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 08:14:45 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

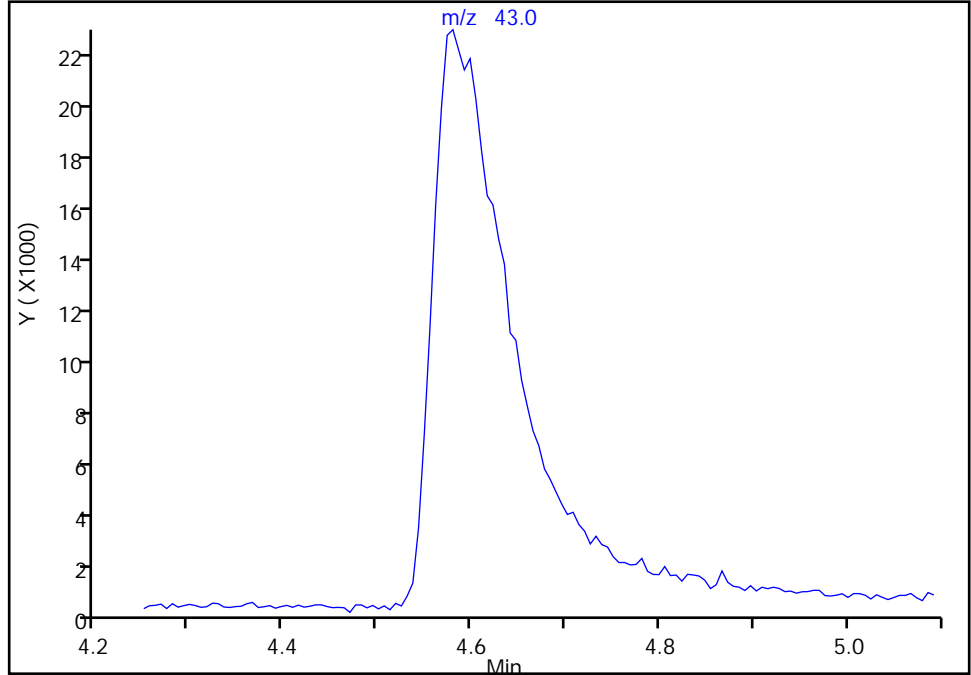
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X05.D
Injection Date: 01-May-2023 16:24:30 Instrument ID: 10193
Lims ID: IC STD2 Sm
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

38 Vinyl acetate, CAS: 108-05-4

Signal: 1

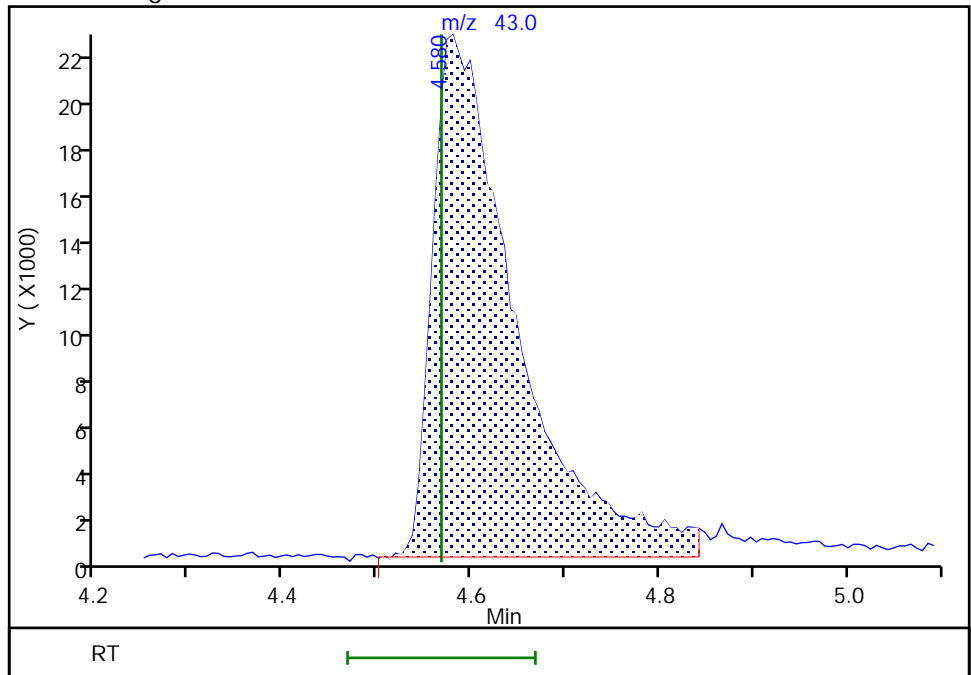
Not Detected
Expected RT: 4.57

Processing Integration Results



Manual Integration Results

RT: 4.58
Area: 140346
Amount: 1.901233
Amount Units: ug/l



Reviewer: DVW2, 02-May-2023 07:49:58 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

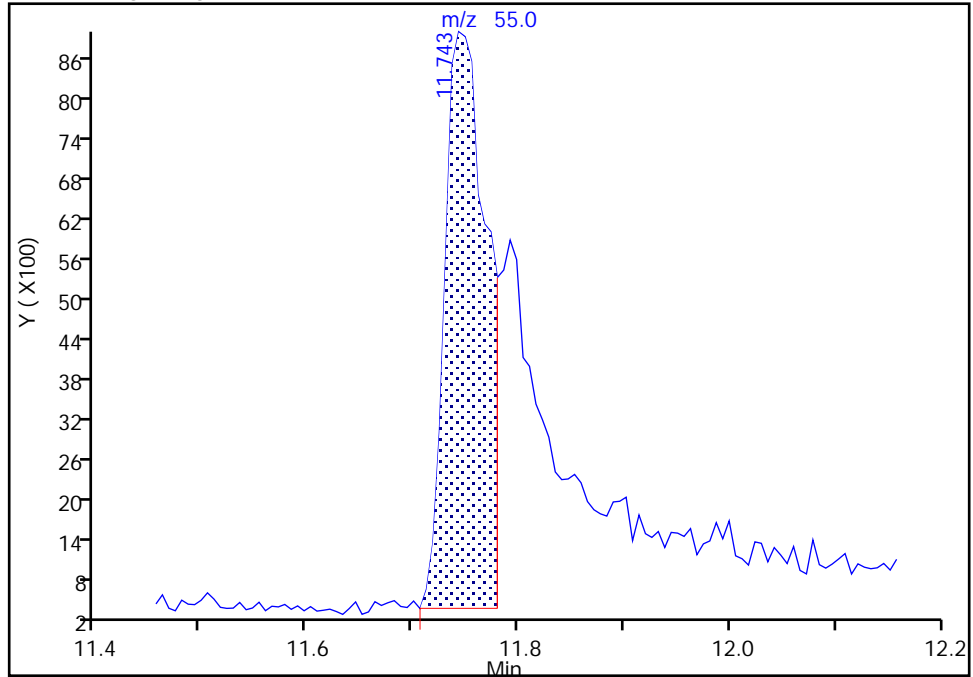
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X05.D
Injection Date: 01-May-2023 16:24:30 Instrument ID: 10193
Lims ID: IC STD2 Sm
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

123 Cyclohexanone, CAS: 108-94-1

Signal: 1

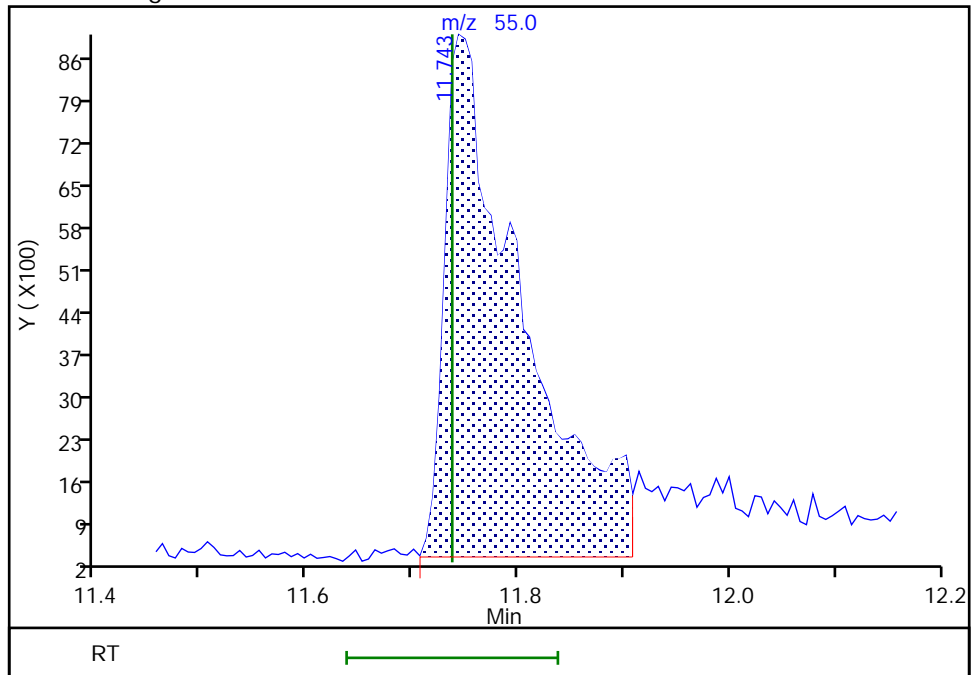
RT: 11.74
Area: 23967
Amount: 67.652652
Amount Units: ug/l

Processing Integration Results



RT: 11.74
Area: 43680
Amount: 99.259727
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 08:15:11 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

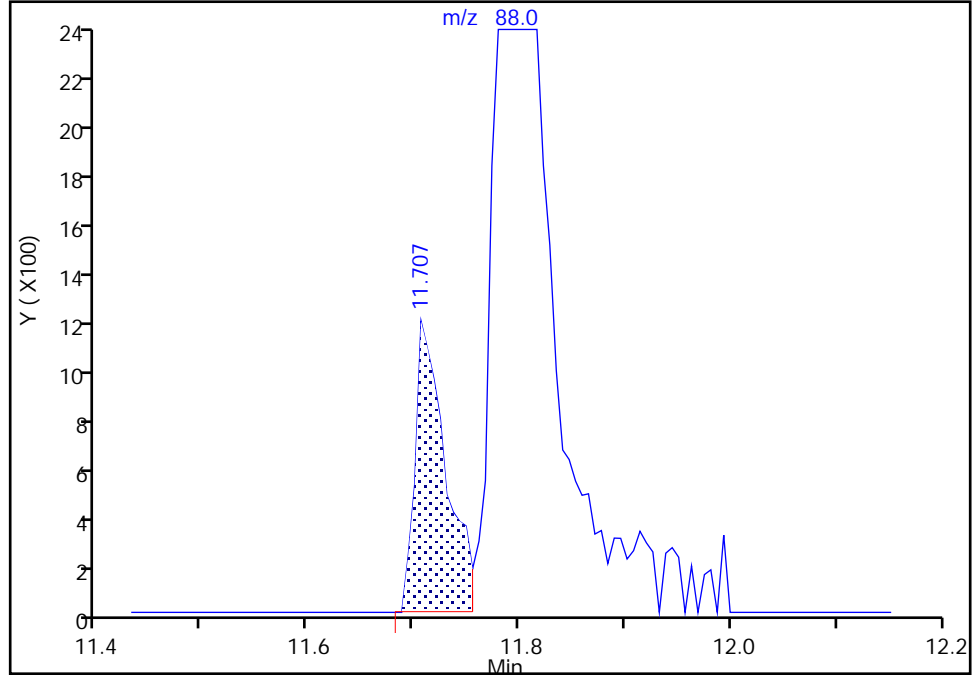
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X05.D
Injection Date: 01-May-2023 16:24:30 Instrument ID: 10193
Lims ID: IC STD2 Sm
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

122 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

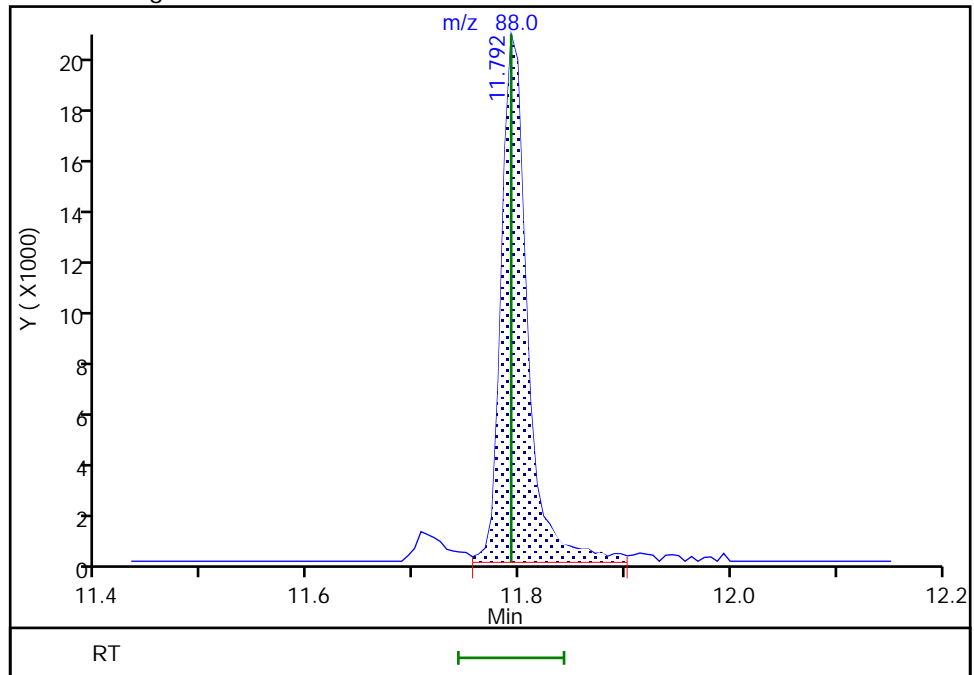
RT: 11.71
Area: 2331
Amount: 0.113086
Amount Units: ug/l

Processing Integration Results



RT: 11.79
Area: 35257
Amount: 1.629181
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 07:50:05 -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\10193\20230501-82854.b\CY01X06.D
 Lims ID: IC STD5 Sm
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 01-May-2023 16:47:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0082854-007
 Misc. Info.: IC STD5 SM
 Operator ID: knk41612 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub26
 Method: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 07:27:30 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1625

First Level Reviewer: DVW2 Date: 02-May-2023 07:50:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.678	1.684	-0.006	92	170632	5.00	5.29	
3 Chlorodifluoromethane	51	1.727	1.727	0.000	97	400804	5.00	5.00	
4 Dimethyl ether	45	1.776	1.776	0.000	99	368579	5.00	4.53	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.062	2.062	0.000	35	377586	5.00	5.19	
27 Acetonitrile	41	3.471	3.440	0.031	94	36455	25.0	23.2	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.660	3.672	-0.012	95	94834	50.0	50.0	
38 Vinyl acetate	43	4.574	4.568	0.006	97	353010	5.00	4.85	a
46 Ethyl acetate	43	5.507	5.494	0.013	99	135527	5.00	4.96	
63 Isopropyl acetate	43	6.769	6.756	0.013	98	386368	5.00	5.10	
* 65 Fluorobenzene (IS)	96	7.061	7.055	0.006	99	1973684	10.0	10.0	
75 n-Propyl acetate	61	8.104	8.104	0.000	98	82299	5.00	5.20	
79 2-Chloroethyl vinyl ether	63	8.652	8.646	0.006	92	138419	5.00	5.40	
109 n-Butyl acetate	43	10.164	10.158	0.006	98	317718	5.00	5.35	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.743	0.001	85	1868174	10.0	10.0	
123 Cyclohexanone	55	11.737	11.737	0.000	92	86061	250.0	247.8	
122 cis-1,4-Dichloro-2-butene	88	11.792	11.792	0.000	40	34698	10.0	1.63	a
* 139 1,4-Dichlorobenzene-d4	152	12.700	12.700	0.000	94	1116498	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_V5ACE_00023	Amount Added: 1.00	Units: uL
MSV_CCV_CYC_00005	Amount Added: 8.00	Units: uL
MSV_V_SMRV4_00058	Amount Added: 5.00	Units: uL
MSV_HP25_ISO_00008	Amount Added: 1.00	Units: uL
MSV_DME_00047	Amount Added: 1.00	Units: uL

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X06.D

Injection Date: 01-May-2023 16:47:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: IC STD5 Sm

Worklist Smp#: 7

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

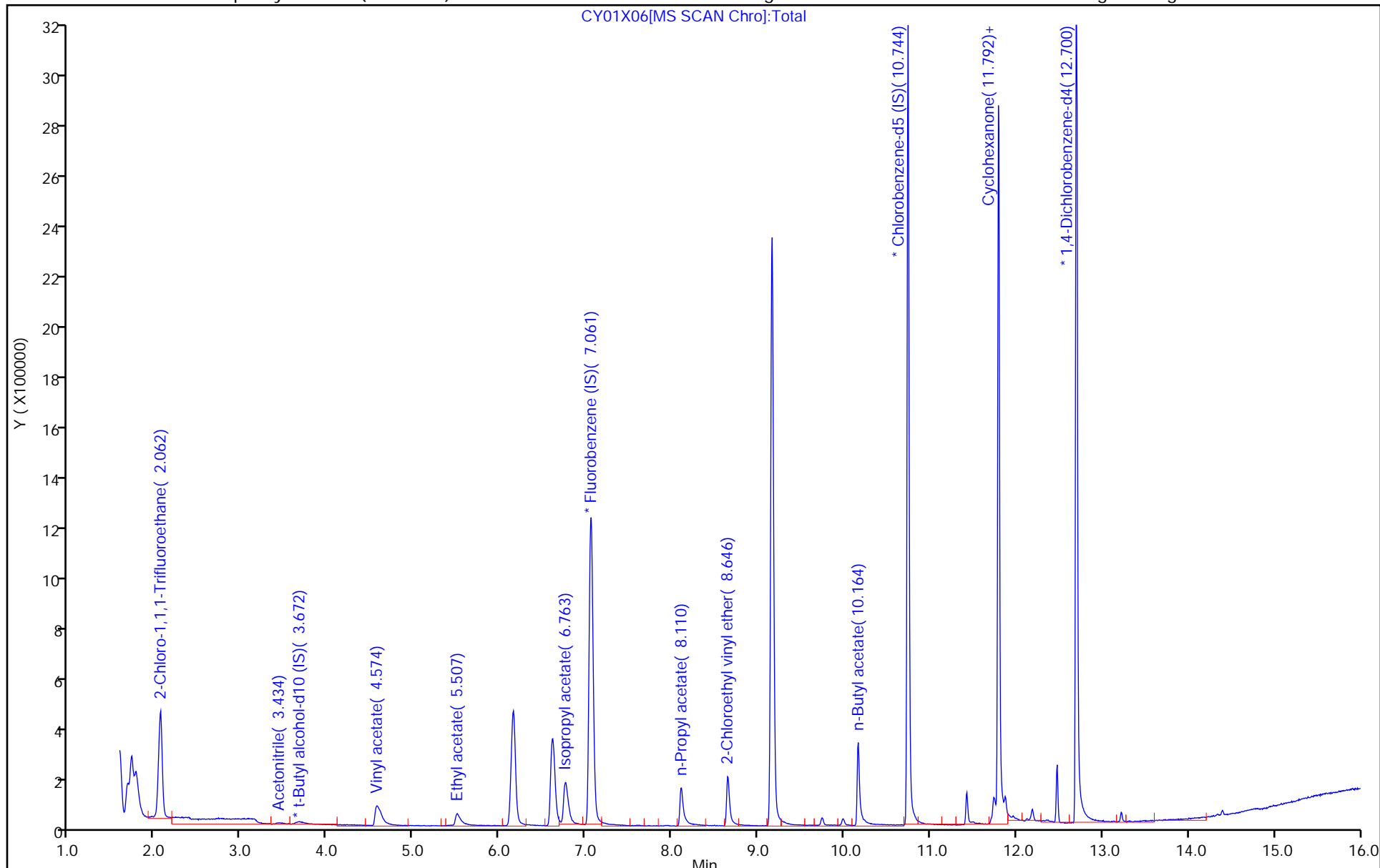
ALS Bottle#: 6

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



Eurofins Lancaster Laboratories Environment Testing, LLC

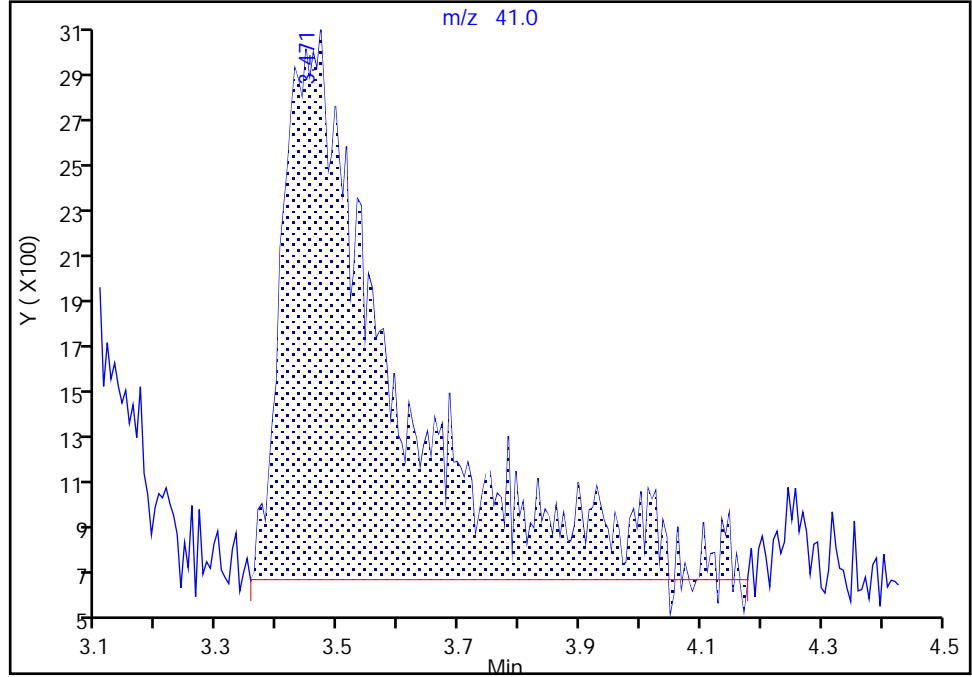
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X06.D
Injection Date: 01-May-2023 16:47:30 Instrument ID: 10193
Lims ID: IC STD5 Sm
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

27 Acetonitrile, CAS: 75-05-8

Signal: 1

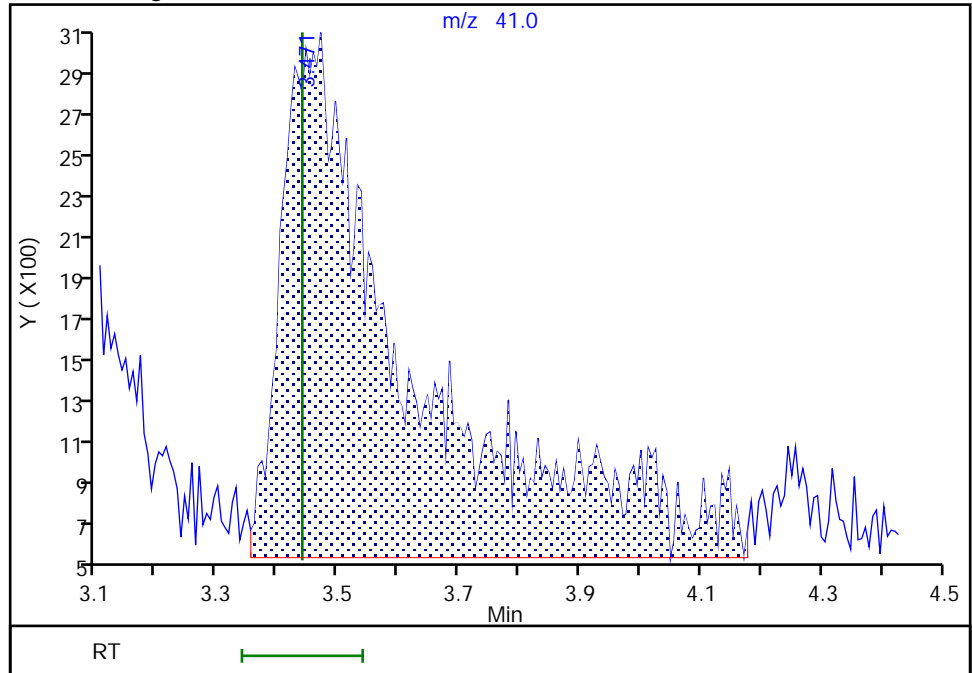
RT: 3.47
Area: 30386
Amount: 17.260626
Amount Units: ug/l

Processing Integration Results



RT: 3.47
Area: 36455
Amount: 23.218447
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 08:15:38 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Euofins Lancaster Laboratories Environment Testing, LLC

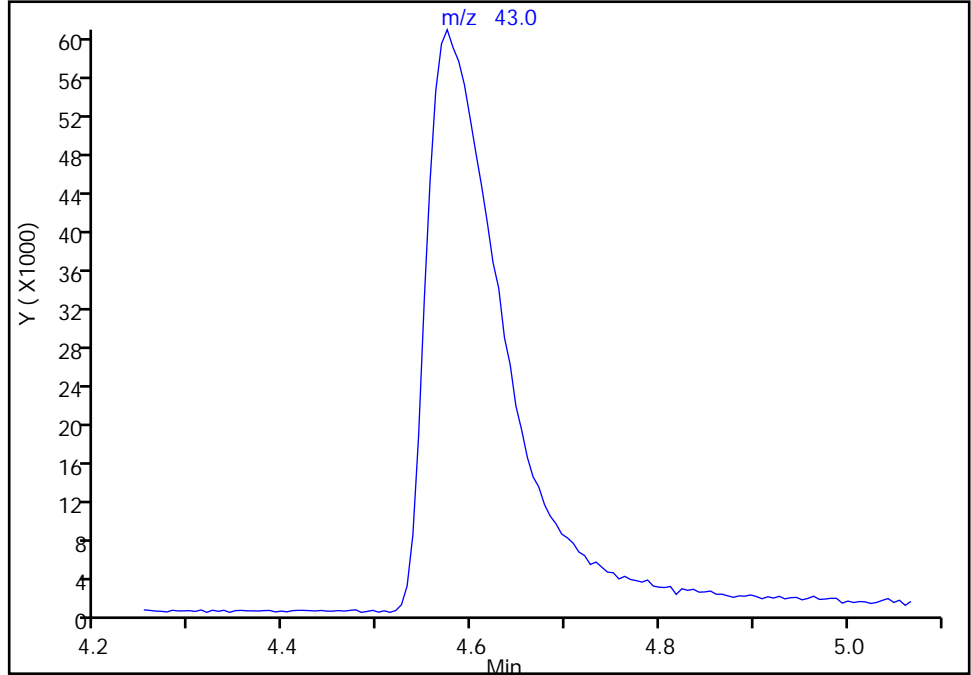
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X06.D
Injection Date: 01-May-2023 16:47:30 Instrument ID: 10193
Lims ID: IC STD5 Sm
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

38 Vinyl acetate, CAS: 108-05-4

Signal: 1

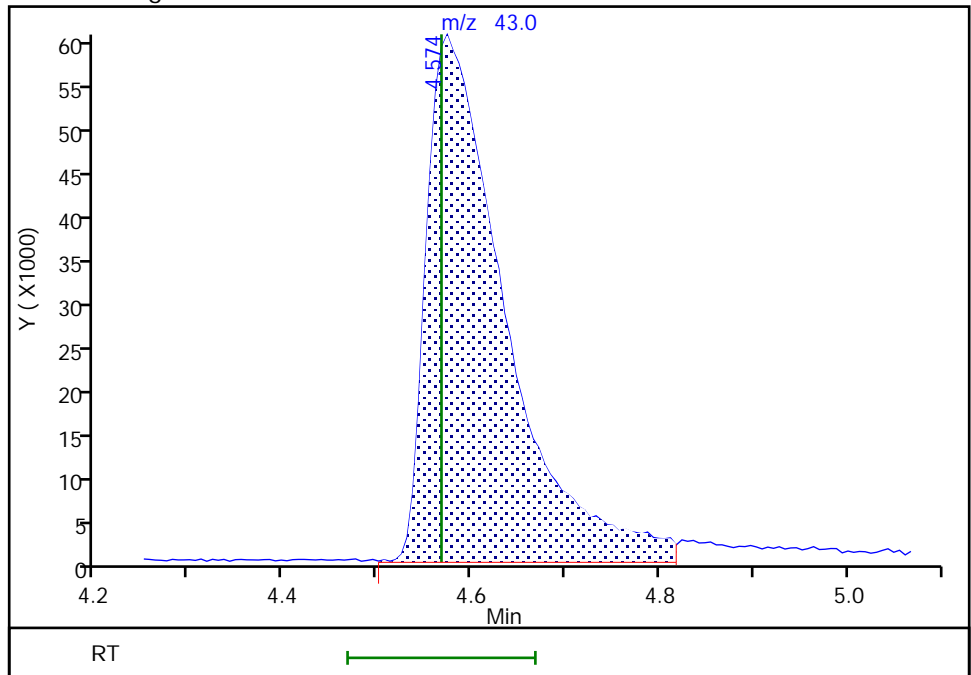
Not Detected
Expected RT: 4.57

Processing Integration Results



Manual Integration Results

RT: 4.57
Area: 353010
Amount: 4.851853
Amount Units: ug/l



Reviewer: DVW2, 02-May-2023 07:50:25 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

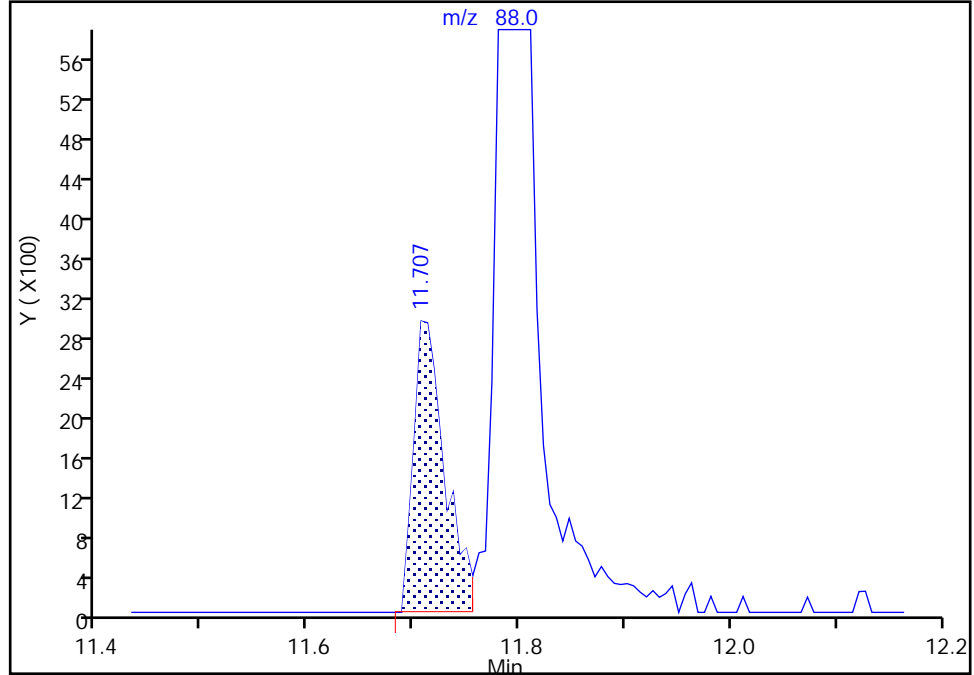
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X06.D
Injection Date: 01-May-2023 16:47:30 Instrument ID: 10193
Lims ID: IC STD5 Sm
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

122 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

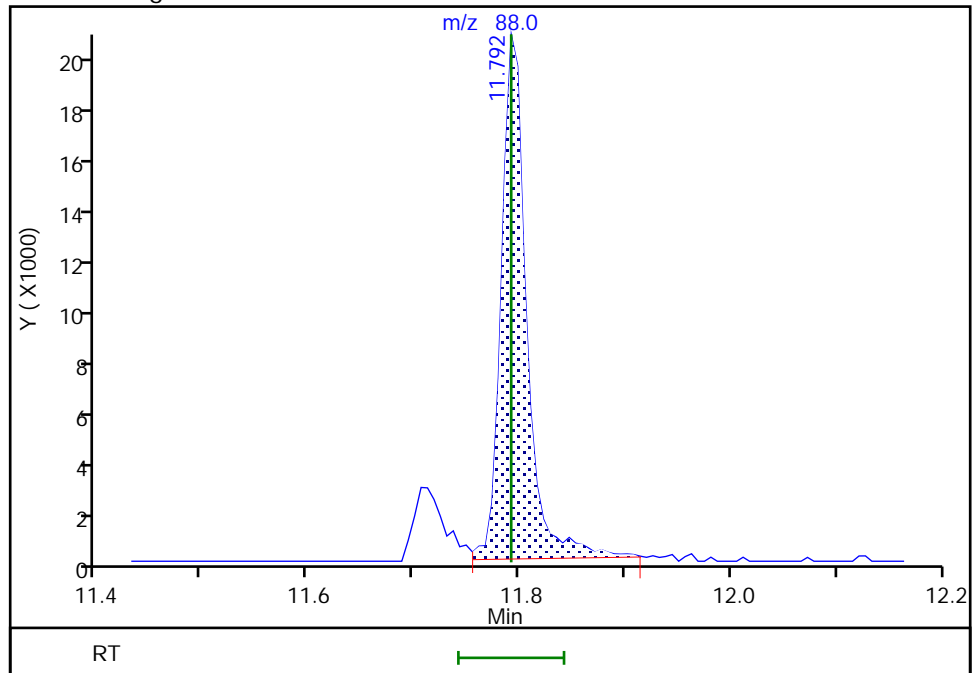
RT: 11.71
Area: 6055
Amount: 0.283025
Amount Units: ug/l

Processing Integration Results



RT: 11.79
Area: 34698
Amount: 1.632929
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 07:50:32 -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\10193\20230501-82854.b\CY01X07.D
 Lims ID: IC STD10 Sm
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 01-May-2023 17:09:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0082854-008
 Misc. Info.: IC STD10 SM
 Operator ID: knk41612 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub26
 Method: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 07:27:31 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1625

First Level Reviewer: UKEK Date: 03-May-2023 10:24:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.684	1.684	0.000	92	357492	10.0	11.2	
3 Chlorodifluoromethane	51	1.727	1.727	0.000	97	816179	10.0	10.2	
4 Dimethyl ether	45	1.776	1.776	0.000	99	761661	10.0	9.43	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.062	2.062	0.000	34	771745	10.0	10.7	
27 Acetonitrile	41	3.440	3.440	0.000	94	70643	50.0	45.3	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.672	3.672	0.000	97	106281	50.0	50.0	
38 Vinyl acetate	43	4.568	4.568	0.000	97	725711	10.0	10.0	a
46 Ethyl acetate	43	5.494	5.494	0.000	99	290778	10.0	10.7	
63 Isopropyl acetate	43	6.756	6.756	0.000	98	721338	10.0	9.58	a
* 65 Fluorobenzene (IS)	96	7.055	7.055	0.000	99	1959585	10.0	10.0	
75 n-Propyl acetate	61	8.104	8.104	0.000	98	167501	10.0	10.7	
79 2-Chloroethyl vinyl ether	63	8.646	8.646	0.000	92	286556	10.0	11.3	
109 n-Butyl acetate	43	10.158	10.158	0.000	98	651788	10.0	11.1	
* 111 Chlorobenzene-d5 (IS)	117	10.743	10.743	0.000	85	1854042	10.0	10.0	
123 Cyclohexanone	55	11.737	11.737	0.000	93	236576	500.0	607.8	
122 cis-1,4-Dichloro-2-butene	88	11.792	11.792	0.000	40	34384	20.0	1.63	a
* 139 1,4-Dichlorobenzene-d4	152	12.700	12.700	0.000	94	1105517	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_V5ACE_00023	Amount Added: 1.00	Units: uL
MSV_CCV_CYC_00005	Amount Added: 8.00	Units: uL
MSV_V_SMRV4_00058	Amount Added: 5.00	Units: uL
MSV_HP25_ISO_00008	Amount Added: 1.00	Units: uL
MSV_DME_00047	Amount Added: 1.00	Units: uL

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X07.D

Injection Date: 01-May-2023 17:09:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: IC STD10 Sm

Worklist Smp#: 8

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

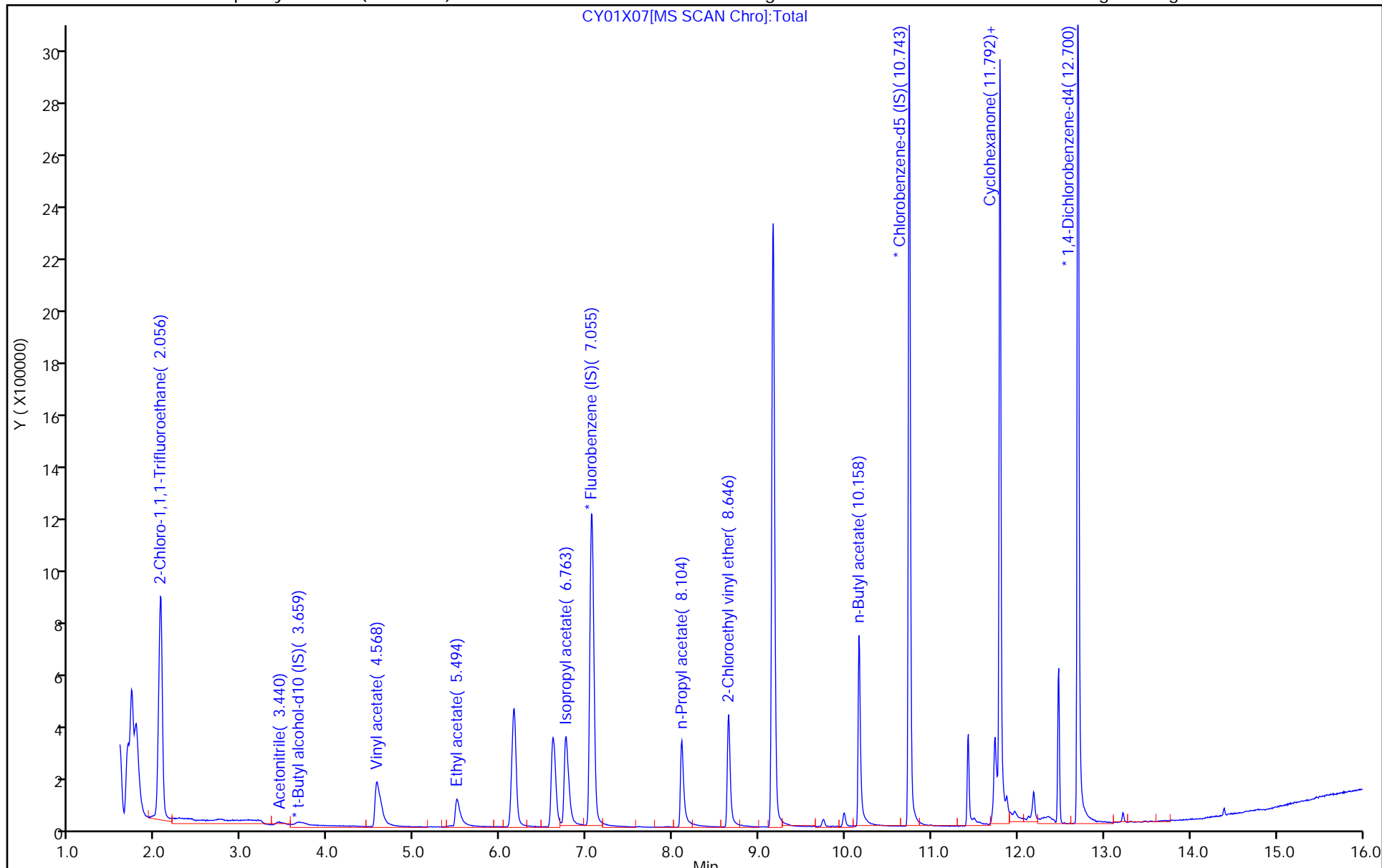
ALS Bottle#: 7

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



Eurofins Lancaster Laboratories Environment Testing, LLC

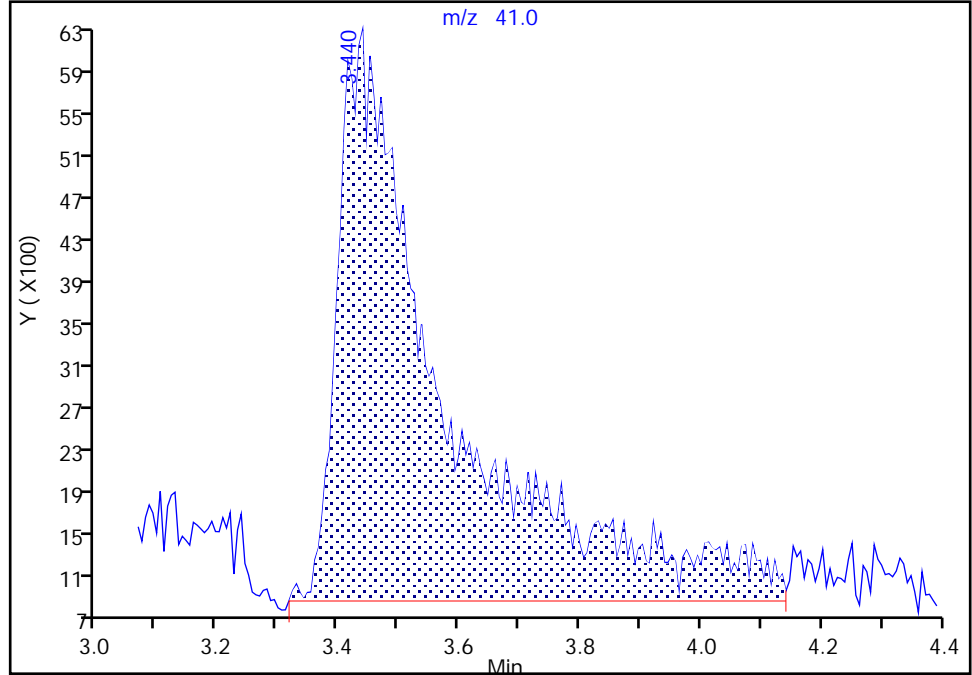
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X07.D
Injection Date: 01-May-2023 17:09:30 Instrument ID: 10193
Lims ID: IC STD10 Sm
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

27 Acetonitrile, CAS: 75-05-8

Signal: 1

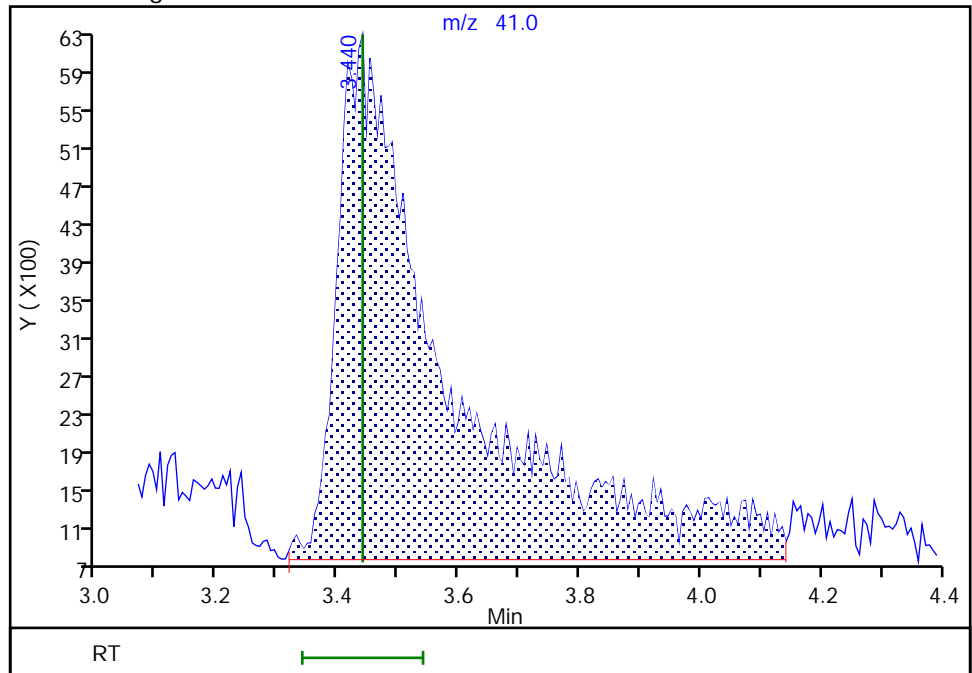
RT: 3.44
Area: 65767
Amount: 40.171556
Amount Units: ug/l

Processing Integration Results



RT: 3.44
Area: 70643
Amount: 45.316746
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 08:16:11 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

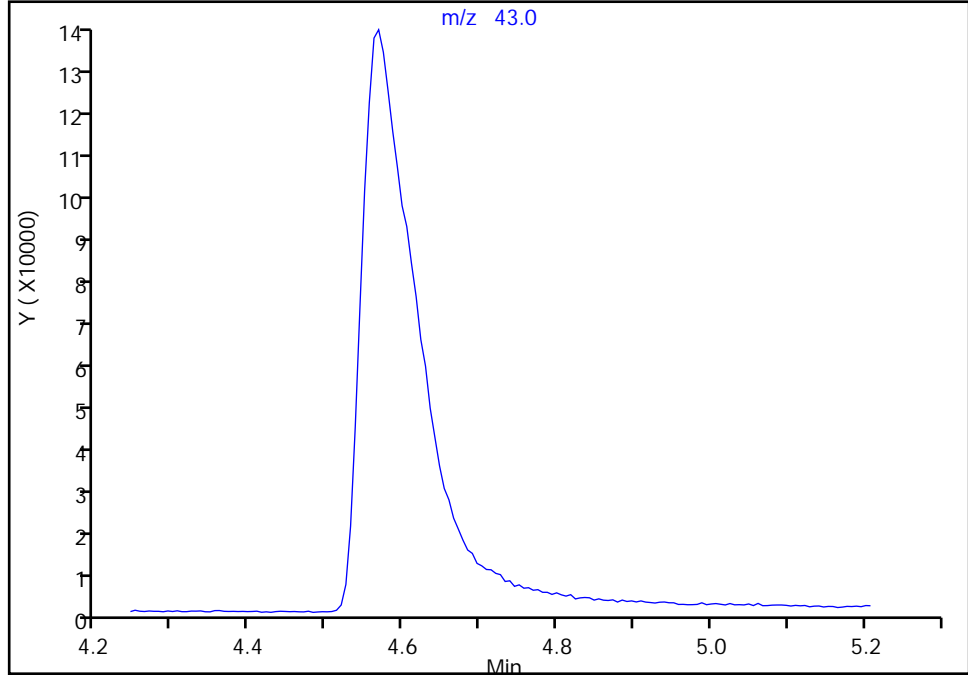
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X07.D
Injection Date: 01-May-2023 17:09:30 Instrument ID: 10193
Lims ID: IC STD10 Sm
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

38 Vinyl acetate, CAS: 108-05-4

Signal: 1

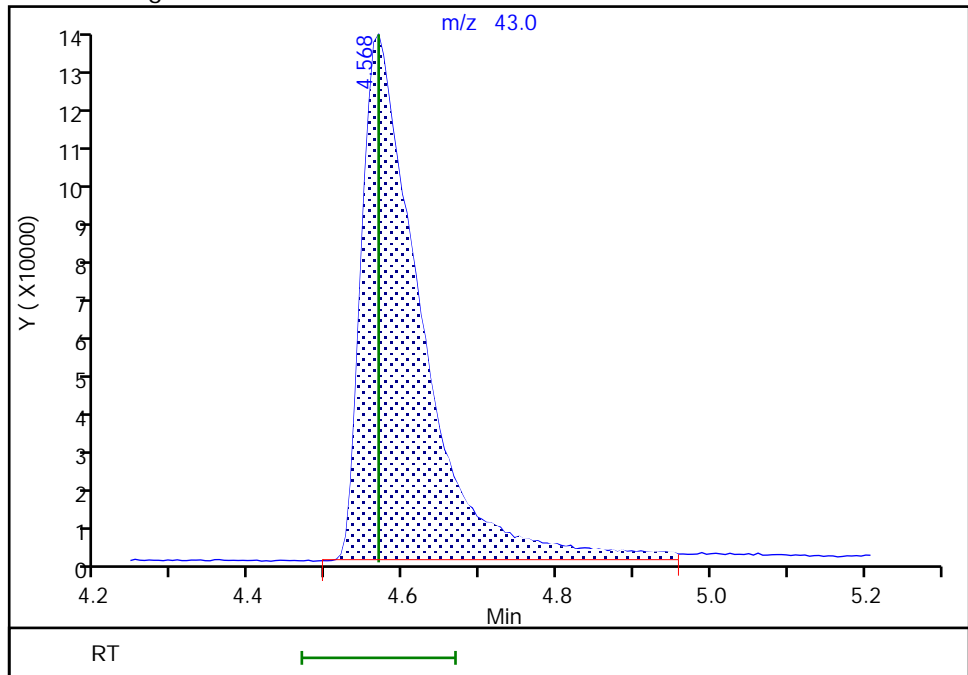
Not Detected
Expected RT: 4.57

Processing Integration Results



Manual Integration Results

RT: 4.57
Area: 725711
Amount: 10.046108
Amount Units: ug/l



Reviewer: DVW2, 02-May-2023 07:50:50 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

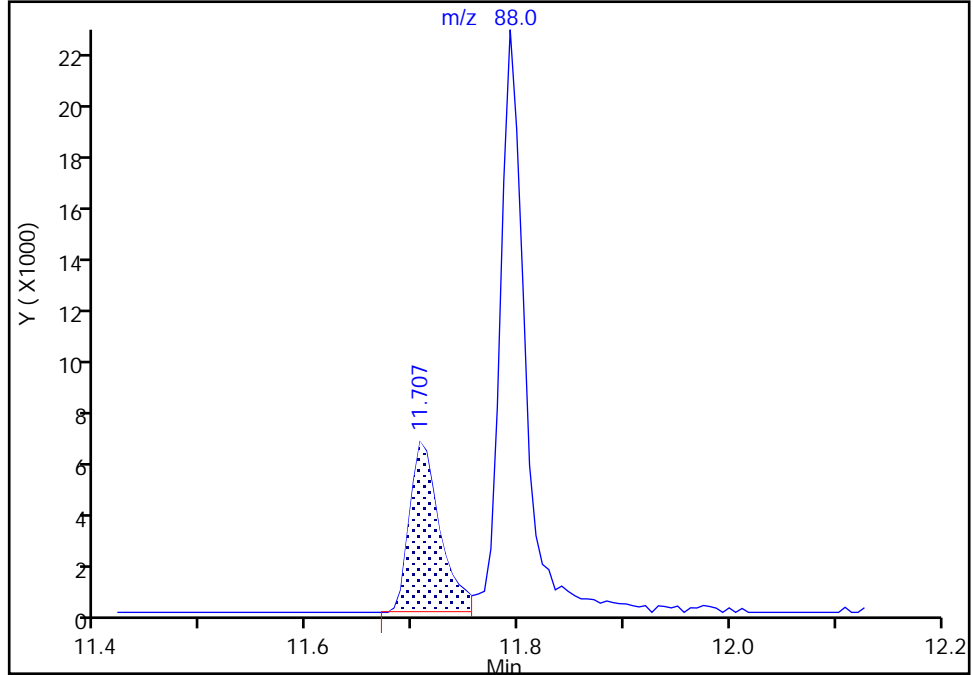
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X07.D
Injection Date: 01-May-2023 17:09:30 Instrument ID: 10193
Lims ID: IC STD10 Sm
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

122 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

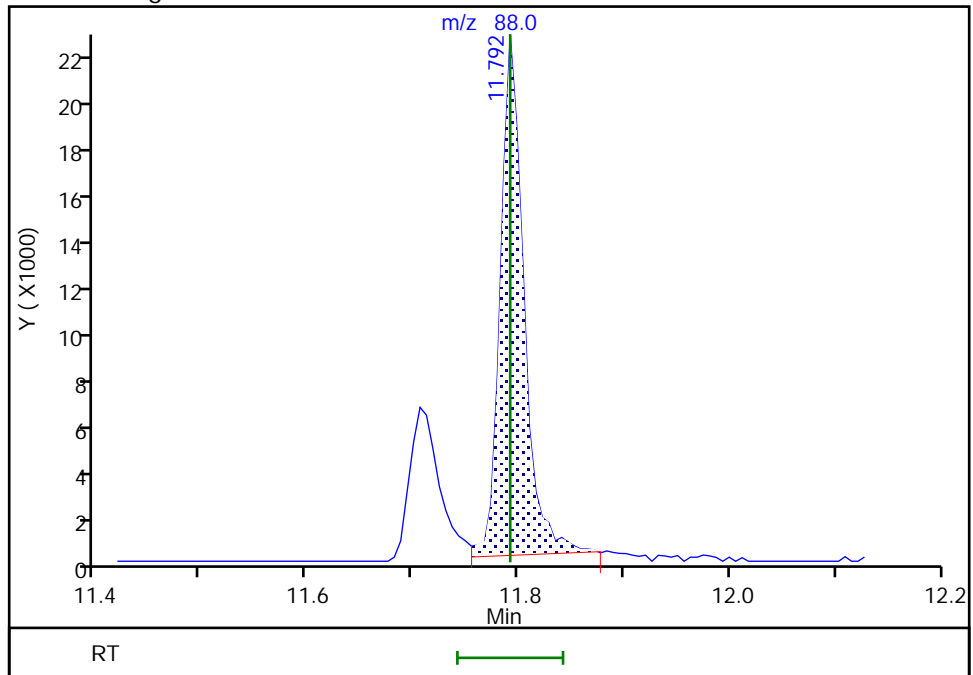
RT: 11.71
Area: 13099
Amount: 0.605368
Amount Units: ug/l

Processing Integration Results



RT: 11.79
Area: 34384
Amount: 1.630486
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 07:51:02 -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\10193\20230501-82854.b\CY01X08.D
 Lims ID: IC STD25 Sm
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 01-May-2023 17:31:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0082854-009
 Misc. Info.: IC STD25 SM
 Operator ID: knk41612 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub26
 Method: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 07:27:33 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1625

First Level Reviewer: DVW2

Date: 02-May-2023 07:52:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.684	1.684	0.000	92	948952	25.0	28.9	
3 Chlorodifluoromethane	51	1.727	1.727	0.000	97	2040371	25.0	25.0	
4 Dimethyl ether	45	1.776	1.776	0.000	99	1950872	25.0	23.5	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.056	2.062	-0.006	34	1911515	25.0	25.8	
27 Acetonitrile	41	3.416	3.440	-0.024	99	230746	125.0	144.3	
* 31 t-Butyl alcohol-d10 (IS)	65	3.647	3.672	-0.025	95	127499	50.0	50.0	
38 Vinyl acetate	43	4.556	4.568	-0.012	97	1876371	25.0	25.3	a
46 Ethyl acetate	43	5.482	5.494	-0.012	99	820020	25.0	29.4	
63 Isopropyl acetate	43	6.757	6.756	0.001	98	1911657	25.0	24.8	a
* 65 Fluorobenzene (IS)	96	7.061	7.055	0.006	99	2010350	10.0	10.0	
75 n-Propyl acetate	61	8.098	8.104	-0.006	98	432792	25.0	26.9	
79 2-Chloroethyl vinyl ether	63	8.640	8.646	-0.006	92	717596	25.0	27.5	
109 n-Butyl acetate	43	10.158	10.158	0.000	98	1721911	25.0	28.7	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.743	0.001	85	1887776	10.0	10.0	
123 Cyclohexanone	55	11.731	11.737	-0.006	93	723532	1250.0	1549.6	
122 cis-1,4-Dichloro-2-butene	88	11.792	11.792	0.000	40	39512	50.0	1.84	a
* 139 1,4-Dichlorobenzene-d4	152	12.700	12.700	0.000	96	1152616	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MSV_CCV_V5ACE_00023	Amount Added: 2.50	Units: uL
MSV_CCV_CYC_00005	Amount Added: 20.00	Units: uL
MSV_V_SMRV4_00058	Amount Added: 12.50	Units: uL
MSV_HP25_ISO_00008	Amount Added: 1.00	Units: uL
MSV_DME_00047	Amount Added: 2.50	Units: uL

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X08.D

Injection Date: 01-May-2023 17:31:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: IC STD25 Sm

Worklist Smp#: 9

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

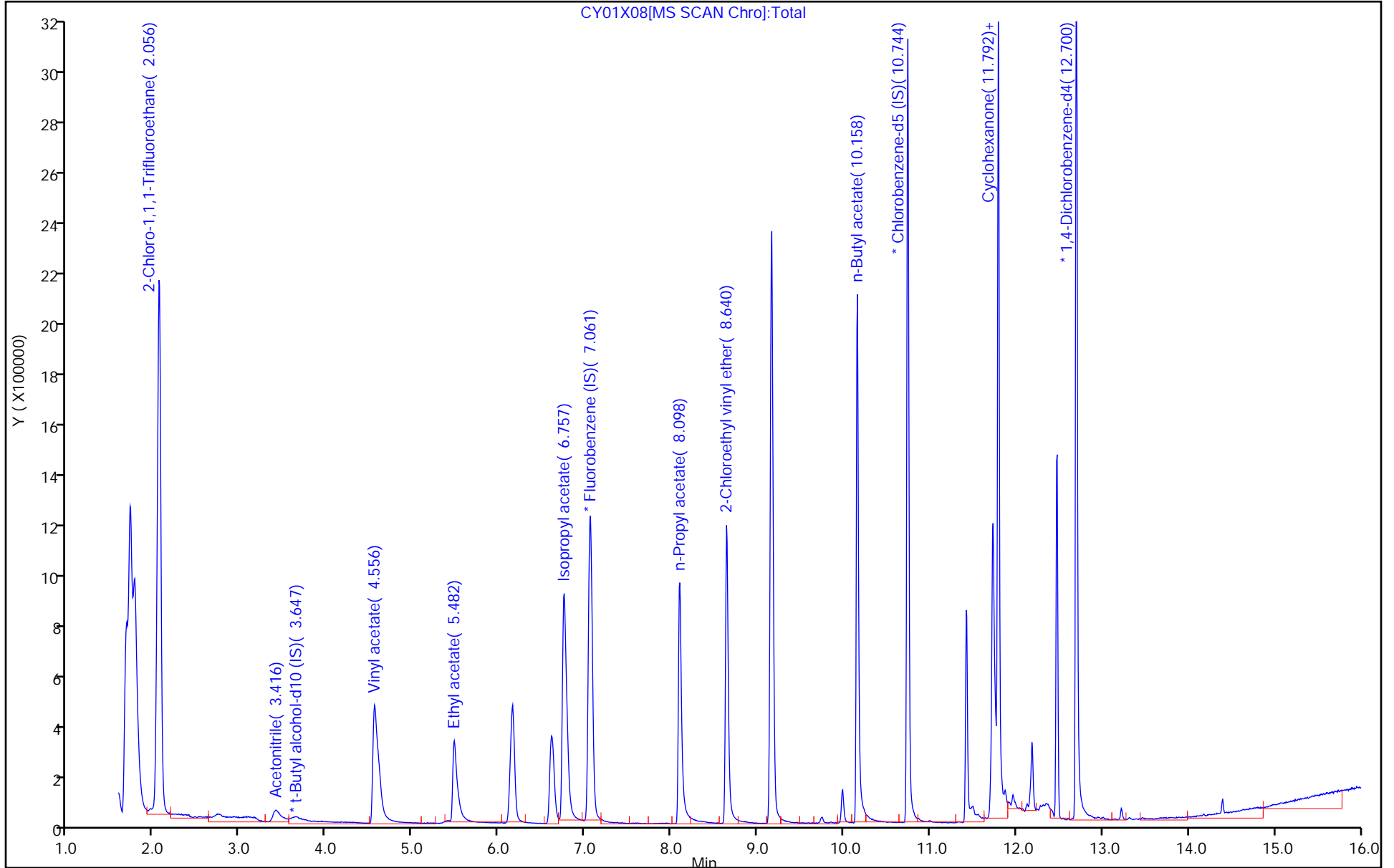
ALS Bottle#: 8

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



Eurofins Lancaster Laboratories Environment Testing, LLC

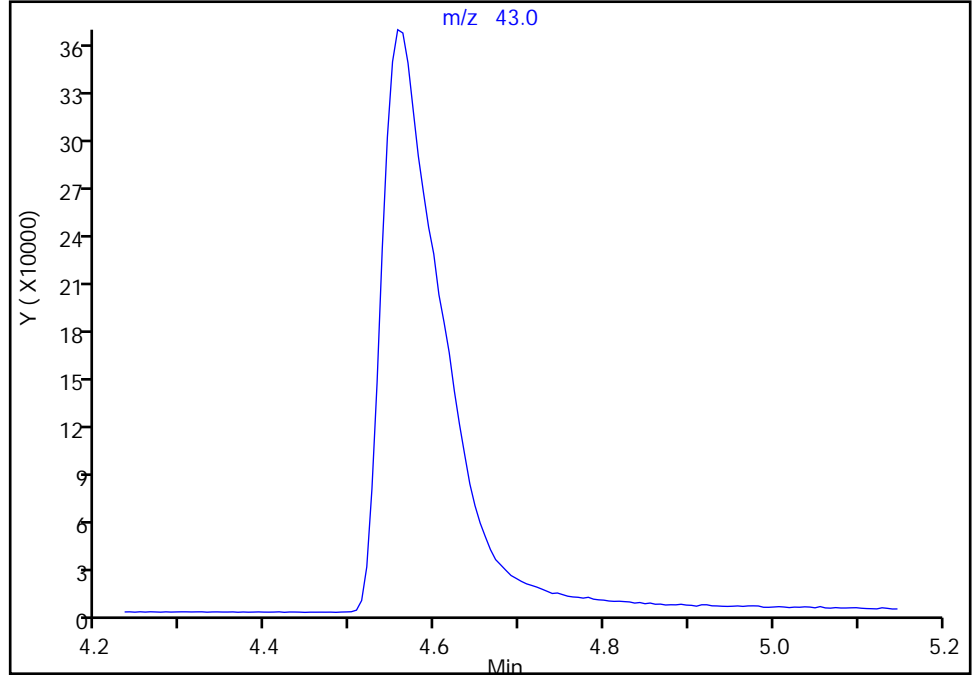
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Injection Date: 01-May-2023 17:31:30 Instrument ID: 10193
Lims ID: IC STD25 Sm
Client ID:
Operator ID: knk41612 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

38 Vinyl acetate, CAS: 108-05-4

Signal: 1

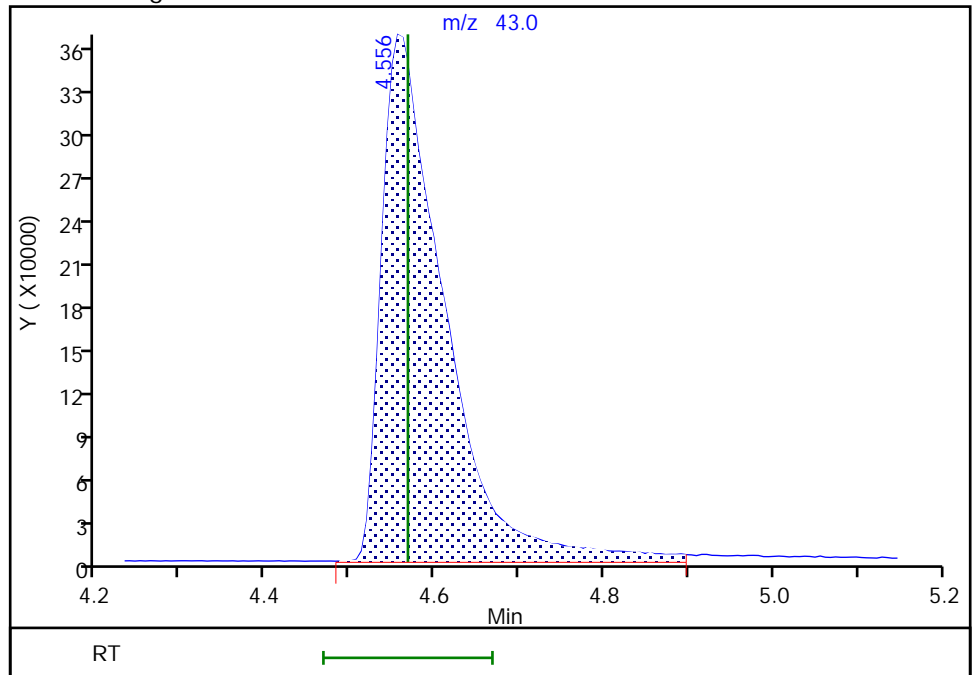
Not Detected
Expected RT: 4.57

Processing Integration Results



Manual Integration Results

RT: 4.56
Area: 1876371
Amount: 25.318926
Amount Units: ug/l



Reviewer: DVW2, 02-May-2023 07:51:33 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

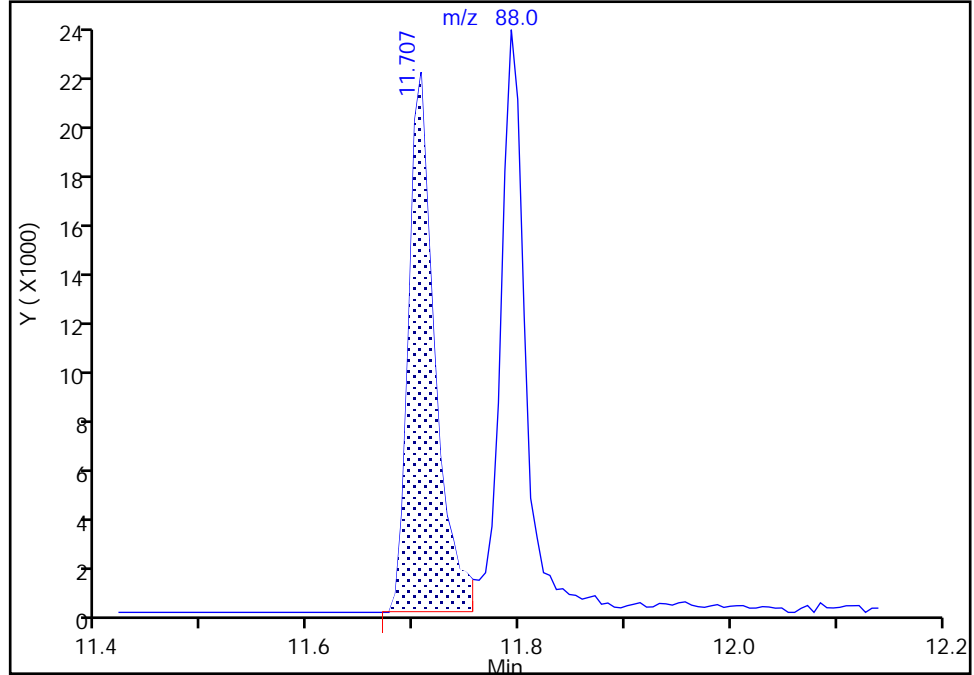
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X08.D
Injection Date: 01-May-2023 17:31:30 Instrument ID: 10193
Lims ID: IC STD25 Sm
Client ID:
Operator ID: knk41612 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

122 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

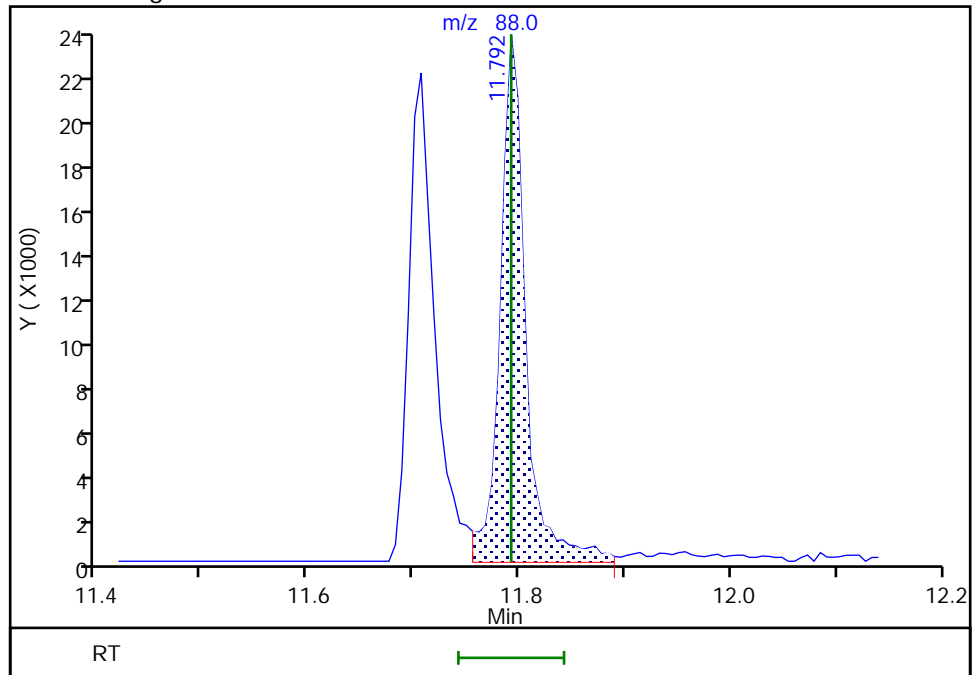
RT: 11.71
Area: 37865
Amount: 1.706663
Amount Units: ug/l

Processing Integration Results



RT: 11.79
Area: 39512
Amount: 1.840174
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 07:52:00 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Calibration

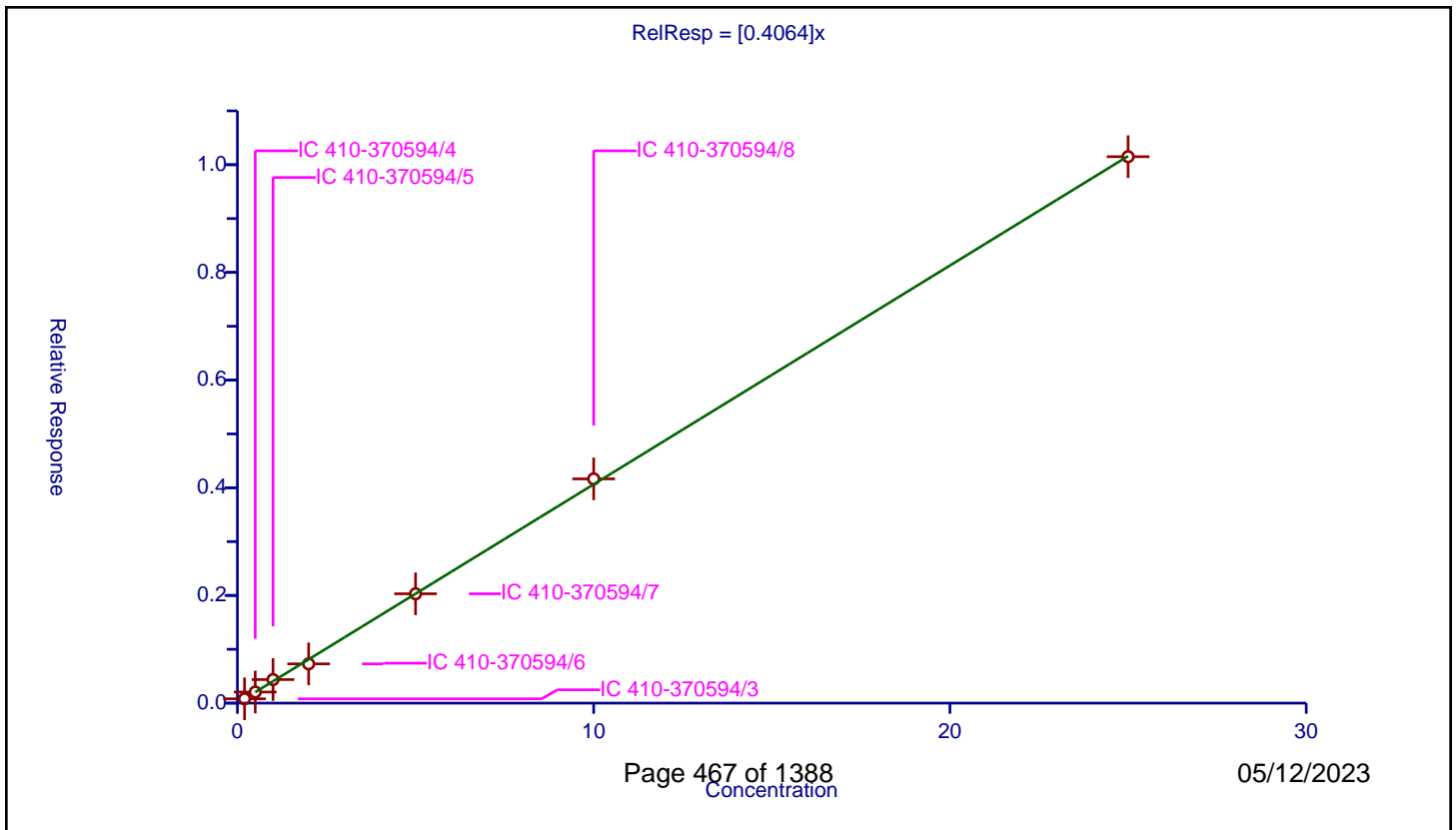
/ Chlorodifluoromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4064

Error Coefficients	
Standard Error:	915000
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 410-370594/3	0.2	0.080334	10.0	2084055.0	0.401669	Y
2	IC 410-370594/4	0.5	0.206122	10.0	2036946.0	0.412245	Y
3	IC 410-370594/5	1.0	0.437547	10.0	2024630.0	0.437547	Y
4	IC 410-370594/6	2.0	0.729469	10.0	2002456.0	0.364735	Y
5	IC 410-370594/7	5.0	2.03074	10.0	1973684.0	0.406148	Y
6	IC 410-370594/8	10.0	4.16506	10.0	1959585.0	0.416506	Y
7	IC 410-370594/9	25.0	10.149332	10.0	2010350.0	0.405973	Y



Calibration

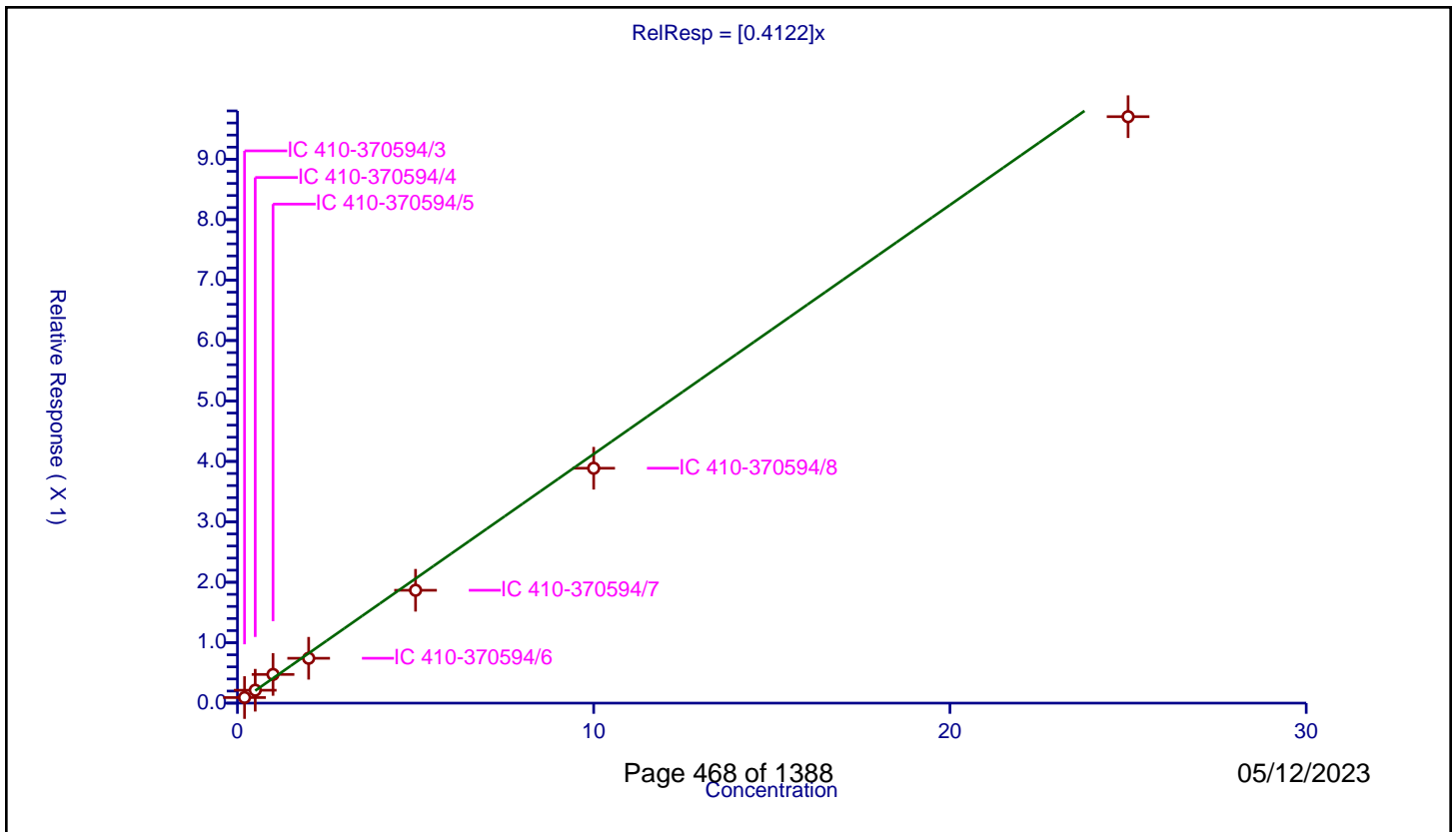
/ Dimethyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.4122

Error Coefficients	
Standard Error:	871000
Relative Standard Error:	10.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/3	0.2	0.092267	10.0	2084055.0	0.461336	Y
2	IC 410-370594/4	0.5	0.213604	10.0	2036946.0	0.427208	Y
3	IC 410-370594/5	1.0	0.475065	10.0	2024630.0	0.475065	Y
4	IC 410-370594/6	2.0	0.742298	10.0	2002456.0	0.371149	Y
5	IC 410-370594/7	5.0	1.867467	10.0	1973684.0	0.373493	Y
6	IC 410-370594/8	10.0	3.886848	10.0	1959585.0	0.388685	Y
7	IC 410-370594/9	25.0	9.704141	10.0	2010350.0	0.388166	Y



Calibration

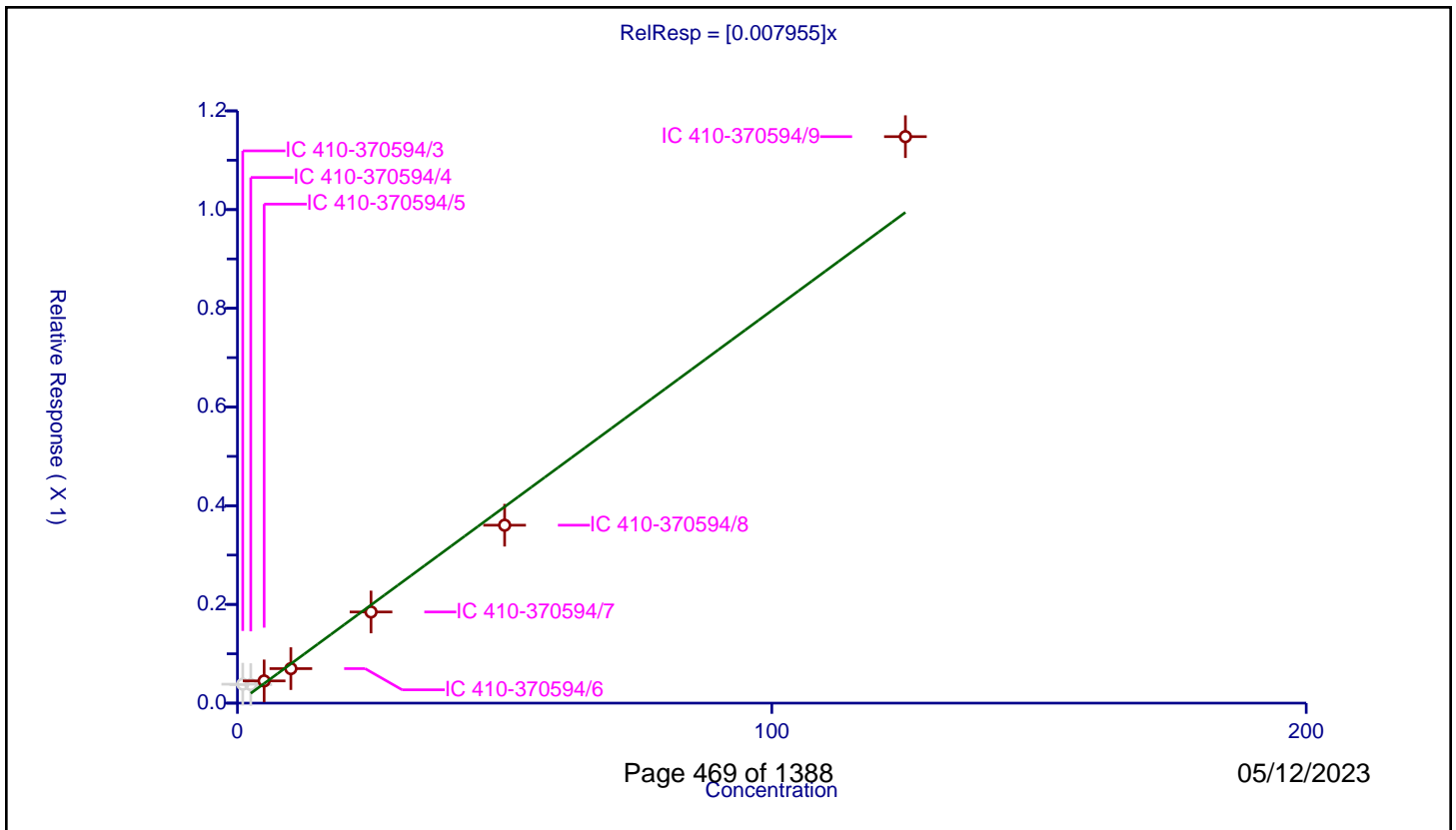
/ Acetonitrile

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

Curve Coefficients	
Intercept:	0
Slope:	0.007955

Error Coefficients	
Standard Error:	122000
Relative Standard Error:	13.2
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/3	1.0	0.03842	10.0	2084055.0	0.03842	N
2	IC 410-370594/4	2.5	0.037541	10.0	2036946.0	0.015017	N
3	IC 410-370594/5	5.0	0.045021	10.0	2024630.0	0.009004	Y
4	IC 410-370594/6	10.0	0.069909	10.0	2002456.0	0.006991	Y
5	IC 410-370594/7	25.0	0.184705	10.0	1973684.0	0.007388	Y
6	IC 410-370594/8	50.0	0.3605	10.0	1959585.0	0.00721	Y
7	IC 410-370594/9	125.0	1.14779	10.0	2010350.0	0.009182	Y



Calibration

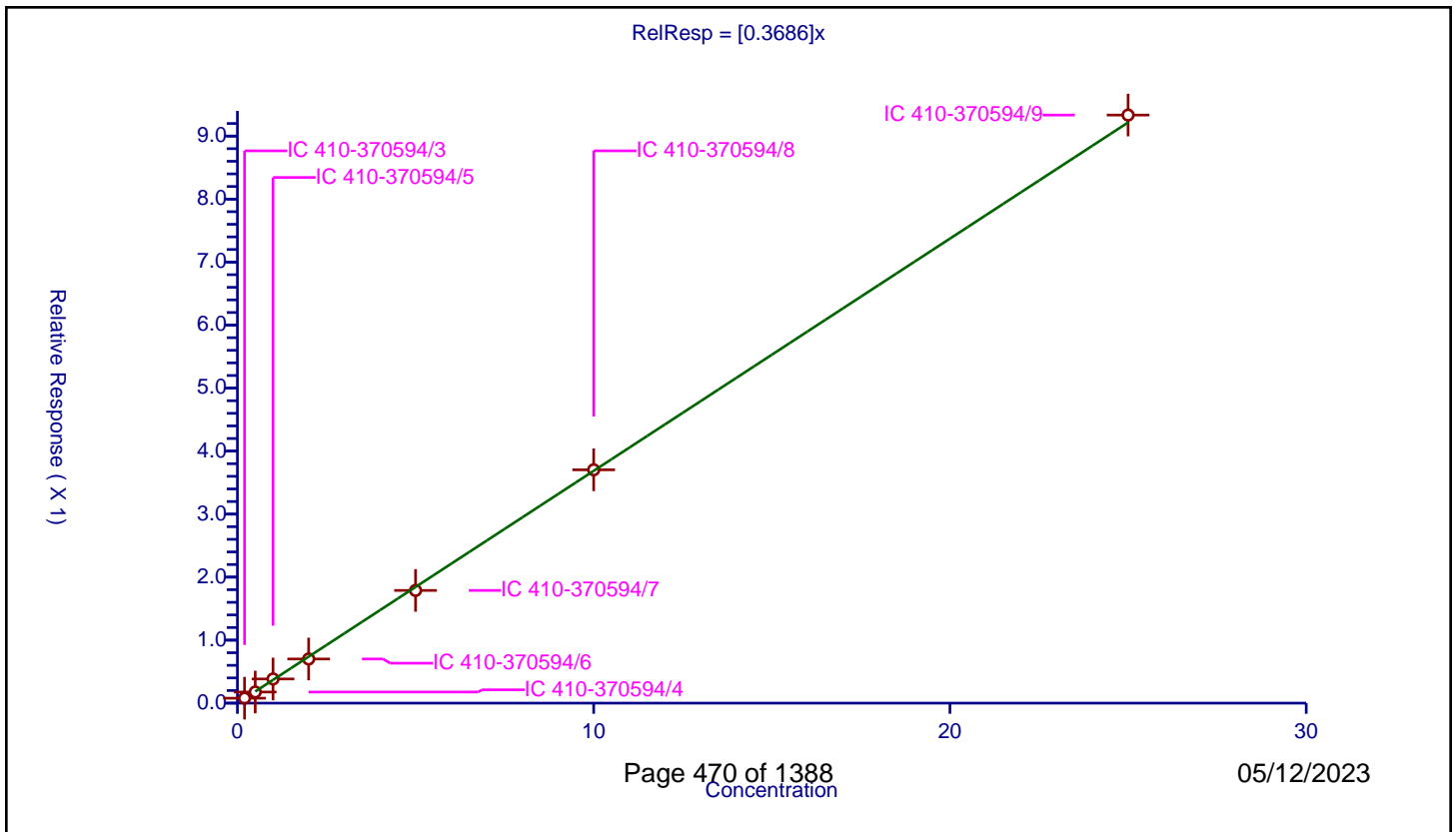
/ Vinyl acetate

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

Curve Coefficients	
Intercept:	0
Slope:	0.3686

Error Coefficients	
Standard Error:	837000
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 410-370594/3	0.2	0.078338	10.0	2084055.0	0.391688	Y
2	IC 410-370594/4	0.5	0.176568	10.0	2036946.0	0.353137	Y
3	IC 410-370594/5	1.0	0.383818	10.0	2024630.0	0.383818	Y
4	IC 410-370594/6	2.0	0.700869	10.0	2002456.0	0.350435	Y
5	IC 410-370594/7	5.0	1.788584	10.0	1973684.0	0.357717	Y
6	IC 410-370594/8	10.0	3.703391	10.0	1959585.0	0.370339	Y
7	IC 410-370594/9	25.0	9.333554	10.0	2010350.0	0.373342	Y



Calibration

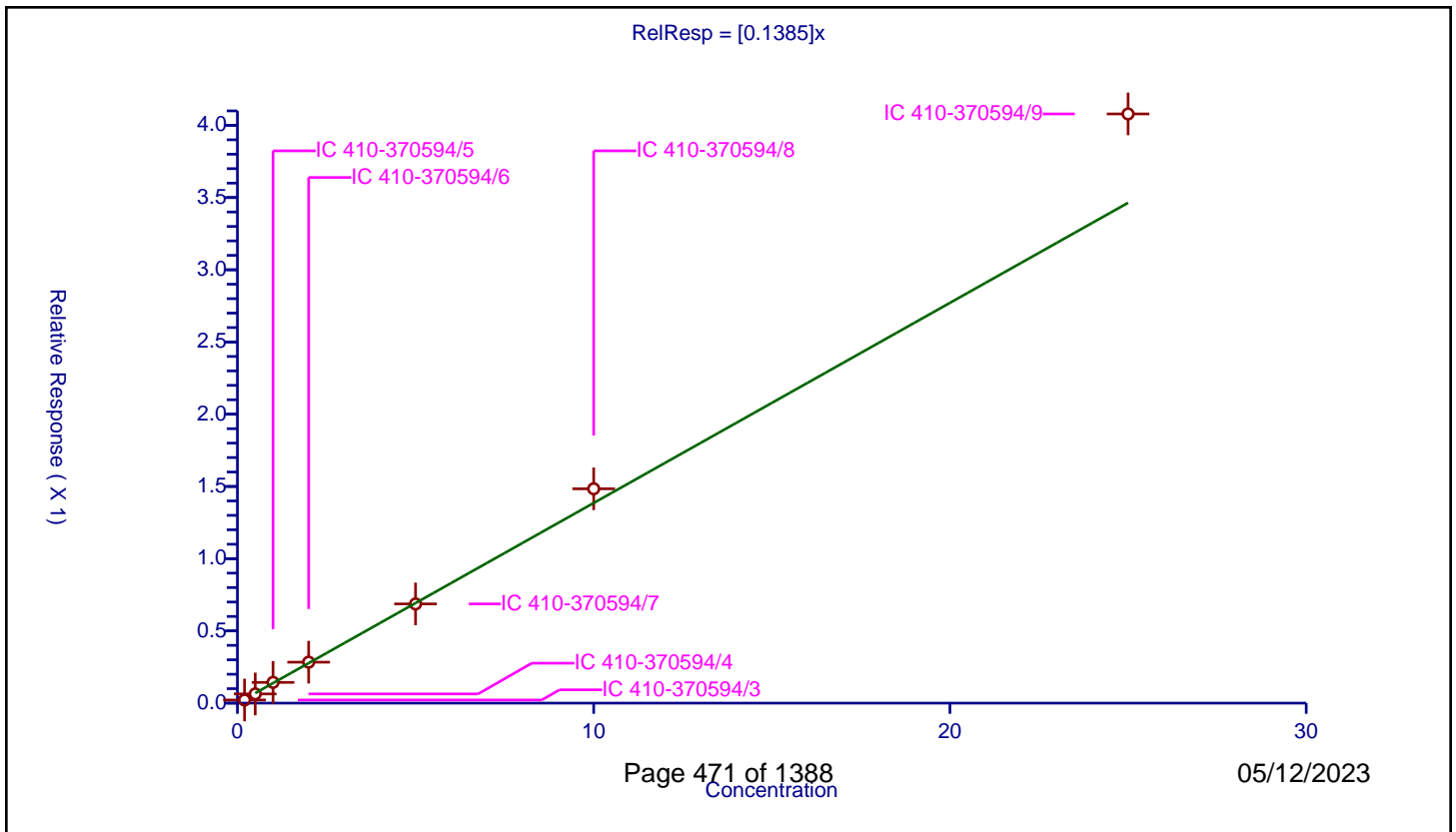
/ Ethyl acetate

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

Curve Coefficients	
Intercept:	0
Slope:	0.1385

Error Coefficients	
Standard Error:	360000
Relative Standard Error:	12.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/3	0.2	0.02166	10.0	2084055.0	0.108298	Y
2	IC 410-370594/4	0.5	0.063688	10.0	2036946.0	0.127377	Y
3	IC 410-370594/5	1.0	0.143542	10.0	2024630.0	0.143542	Y
4	IC 410-370594/6	2.0	0.283482	10.0	2002456.0	0.141741	Y
5	IC 410-370594/7	5.0	0.68667	10.0	1973684.0	0.137334	Y
6	IC 410-370594/8	10.0	1.483875	10.0	1959585.0	0.148388	Y
7	IC 410-370594/9	25.0	4.078991	10.0	2010350.0	0.16316	Y



Calibration

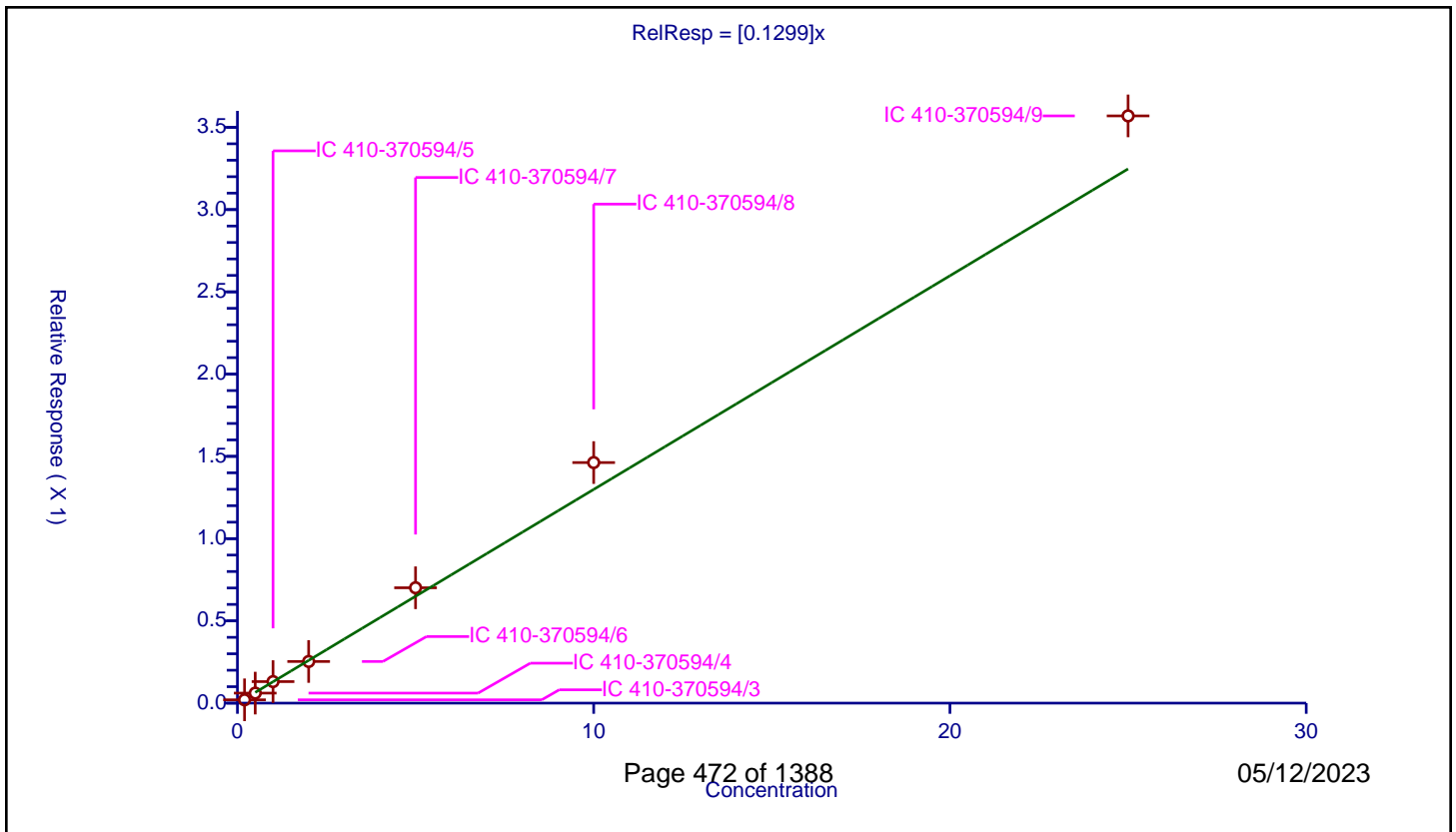
/ 2-Chloroethyl vinyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.1299

Error Coefficients	
Standard Error:	321000
Relative Standard Error:	12.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/3	0.2	0.020105	10.0	2084055.0	0.100525	Y
2	IC 410-370594/4	0.5	0.061023	10.0	2036946.0	0.122045	Y
3	IC 410-370594/5	1.0	0.130883	10.0	2024630.0	0.130883	Y
4	IC 410-370594/6	2.0	0.253064	10.0	2002456.0	0.126532	Y
5	IC 410-370594/7	5.0	0.701323	10.0	1973684.0	0.140265	Y
6	IC 410-370594/8	10.0	1.46233	10.0	1959585.0	0.146233	Y
7	IC 410-370594/9	25.0	3.569508	10.0	2010350.0	0.14278	Y



Calibration

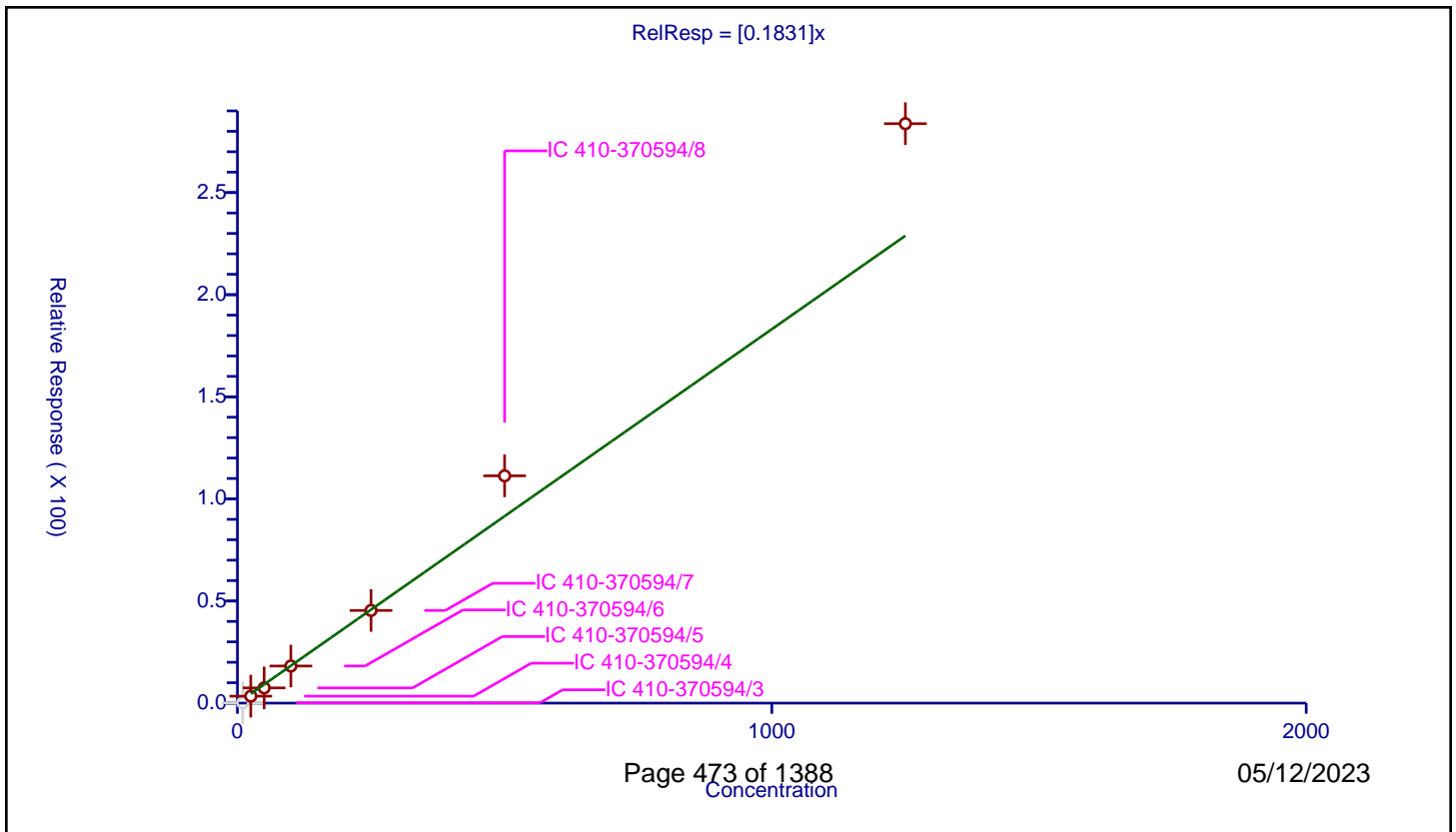
/ Cyclohexanone

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

Curve Coefficients	
Intercept:	0
Slope:	0.1831

Error Coefficients	
Standard Error:	343000
Relative Standard Error:	20.2
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.953

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/3	9.9996	0.152492	50.0	182960.0	0.01525	N
2	IC 410-370594/4	24.999	3.414656	50.0	154364.0	0.136592	Y
3	IC 410-370594/5	49.998	7.457633	50.0	107514.0	0.149159	Y
4	IC 410-370594/6	99.996	18.174707	50.0	120167.0	0.181754	Y
5	IC 410-370594/7	249.99	45.374549	50.0	94834.0	0.181505	Y
6	IC 410-370594/8	499.98	111.29741	50.0	106281.0	0.222604	Y
7	IC 410-370594/9	1249.95	283.740265	50.0	127499.0	0.227001	Y



Calibration

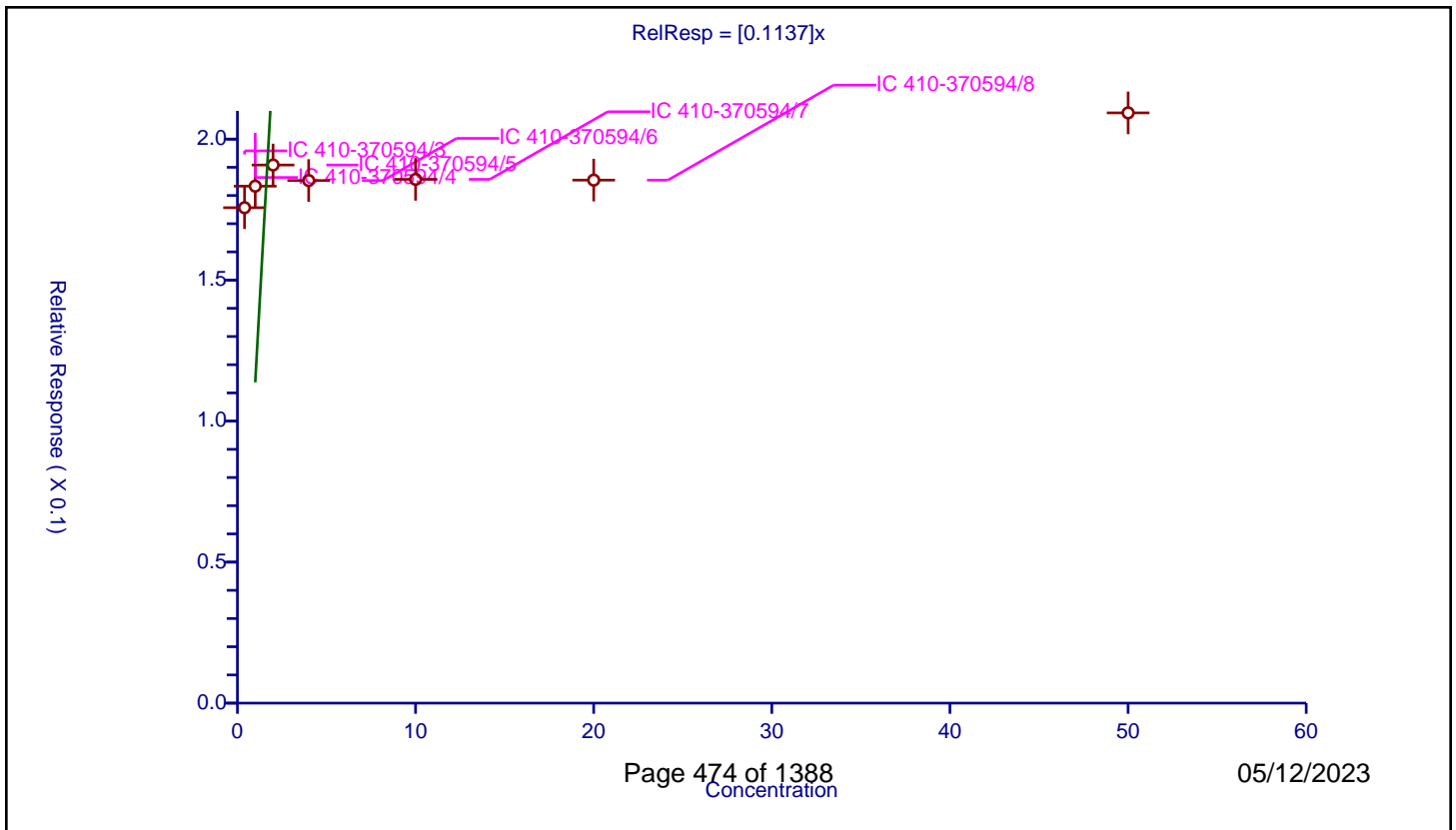
/ cis-1,4-Dichloro-2-butene

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

Curve Coefficients	
Intercept:	0
Slope:	0.1137

Error Coefficients	
Standard Error:	38700
Relative Standard Error:	137.9
Correlation Coefficient:	0.579
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/3	0.400029	0.175669	10.0	1980144.0	0.43914	Y
2	IC 410-370594/4	1.000073	0.183312	10.0	1932170.0	0.183299	Y
3	IC 410-370594/5	2.000147	0.190814	10.0	1912067.0	0.0954	Y
4	IC 410-370594/6	4.000293	0.185306	10.0	1902638.0	0.046323	Y
5	IC 410-370594/7	10.000734	0.185732	10.0	1868174.0	0.018572	Y
6	IC 410-370594/8	20.001467	0.185454	10.0	1854042.0	0.009272	Y
7	IC 410-370594/9	50.003668	0.209304	10.0	1887776.0	0.004186	Y



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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-124489-1 Analy Batch No.: 370594
Environment Testing, LLC

SDG No.: _____

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2023 19:00 Calibration End Date: 05/01/2023 21:14 Calibration ID: 49717

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-370594/13	CY01X12.D
Level 2	IC 410-370594/14	CY01X13.D
Level 3	IC 410-370594/15	CY01X14.D
Level 4	IC 410-370594/16	CY01X15.D
Level 5	IC 410-370594/17	CY01X16.D
Level 6	ICIS 410-370594/18	CY01X17.D
Level 7	IC 410-370594/19	CY01X18.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 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
Dichlorodifluoromethane	0.3951 0.3708	0.3628 0.3655	0.3846	0.3687	0.3744	Ave	0.374 6			0.1000	3.1		20.0				
Chloromethane	0.4674 0.4283	0.4732 0.4069	0.4407	0.4162	0.4427	Ave	0.439 4			0.1000	5.6		20.0				
Vinyl chloride	0.4411 0.4119	0.4355 0.3955	0.4204	0.4069	0.4286	Ave	0.420 0			0.1000	3.9		20.0				
1,3-Butadiene	0.4431 0.3707	0.4055 0.3626	0.3977	0.3890	0.3640	Ave	0.390 4				7.3		20.0				
Bromomethane	0.3314 0.2718	0.3002 0.2566	0.2728	0.2852	0.2849	Ave	0.286 2			0.1000	8.4		20.0				
Chloroethane	0.2698 0.2366	0.2658 0.2257	0.2469	0.2396	0.2431	Ave	0.246 8			0.1000	6.4		20.0				
Dichlorofluoromethane	0.6100 0.5656	0.6221 0.5456	0.5738	0.5719	0.5833	Ave	0.581 7			0.1000	4.5		20.0				
Trichlorofluoromethane	0.4967 0.4982	0.5044 0.4880	0.5096	0.5145	0.5085	Ave	0.502 8			0.1000	1.8		20.0				
Ethyl ether	0.2785 0.2555	0.2684 0.2505	0.2585	0.2540	0.2522	Ave	0.259 7				3.9		20.0				
Freon 123a	0.4022 0.3447	0.3631 0.3353	0.3559	0.3466	0.3520	Ave	0.357 1				6.1		20.0				
Acrolein	1.9877 2.1303	2.1637 2.0556	2.0989	2.0693	2.1586	Ave	2.094 9				3.0		20.0				
1,1-Dichloroethene	0.2740 0.2496	0.2654 0.2506	0.2565	0.2188	0.2561	Ave	0.253 0			0.1000	6.9		20.0				
Acetone	++++ 2.2314	2.8062 2.1872	2.4358	2.3027	2.3321	Ave	2.382 6			0.1000	9.4		20.0				

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

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

Analy Batch No.: 370594

SDG No.:

Instrument ID: 10193

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

Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2023 19:00

Calibration End Date: 05/01/2023 21:14

Calibration ID: 49717

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	0.2729 0.2556	0.2525 0.2597	0.2730	0.2241	0.2606	Ave		0.256 9		0.1000	6.4		20.0				
Methyl iodide	0.5479 0.5363	0.5466 0.5207	0.5408	0.4587	0.5464	Ave		0.528 2			6.1		20.0				
Carbon disulfide	0.8809 0.9083	0.8999 0.9129	0.9155	0.7478	0.8937	Ave		0.879 8		0.1000	6.8		20.0				
Methyl acetate	7.3809 7.1008	10.335 7.2102	7.1630	7.4672	6.8343	Ave		7.641 6		0.1000	15.8		20.0				
Allyl chloride	0.4635 0.4617	0.4510 0.4763	0.4644	0.3941	0.4690	Ave		0.454 3			6.1		20.0				
Methylene Chloride	0.3013 0.3022	0.3214 0.3092	0.3097	0.2690	0.3081	Ave		0.303 n		0.1000	5.4		20.0				
t-Butyl alcohol	1.0542 0.9166	1.0535 0.8689	0.9557	0.9596	0.9021	Ave		0.958 7			7.5		20.0				
Acrylonitrile	4.0808 3.2202	3.7653 3.2295	3.5989	3.0385	3.2313	Ave		3.452 1			10.8		20.0				
Methyl tert-butyl ether	0.9028 0.8719	0.9097 0.8702	0.8872	0.8082	0.8746	Ave		0.874 9		0.1000	3.8		20.0				
trans-1,2-Dichloroethene	0.3358 0.3110	0.3053 0.3169	0.3169	0.2647	0.3152	Ave		0.309 4		0.1000	7.1		20.0				
n-Hexane	0.3973 0.3978	0.3868 0.4210	0.4217	0.3267	0.3987	Ave		0.392 8			8.1		20.0				
1,1-Dichloroethane	0.5699 0.5650	0.5777 0.5758	0.5648	0.4900	0.5759	Ave		0.559 9		0.2000	5.6		20.0				
di-Isopropyl ether	1.0301 1.0280	1.0386 1.0497	1.0293	0.9144	1.0299	Ave		1.017 1			4.5		20.0				
2-Chloro-1,3-butadiene	0.4453 0.4724	0.4504 0.4897	0.4596	0.3877	0.4727	Ave		0.454 n			7.2		20.0				
Ethyl t-butyl ether	1.0234 1.0343	1.0619 1.0436	1.0310	0.9421	1.0371	Ave		1.024 8			3.7		20.0				
2-Butanone (MEK)	4.4135 4.8522	4.8692 4.7427	4.5275	4.7063	4.9476	Ave		4.722 7		0.1000	4.1		20.0				
2,2-Dichloropropane	0.5325 0.4745	0.5832 0.4821	0.4981	0.4094	0.4899	Ave		0.495 7			10.8		20.0				

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

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

Analy Batch No.: 370594

SDG No.:

Instrument ID: 10193

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

Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2023 19:00

Calibration End Date: 05/01/2023 21:14

Calibration ID: 49717

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	0.3298 0.3428	0.3540 0.3510	0.3450	0.2953	0.3494	Ave		0.338 2		0.1000	6.1		20.0				
Propionitrile	0.7619 1.1087	1.0629 1.1528	1.0517	0.9701	1.1146	Ave		1.031 8			12.8		20.0				
Methacrylonitrile	4.5225 5.3718	4.8198 5.2766	5.0928	4.9834	5.4033	Ave		5.067 2			6.3		20.0				
Bromochloromethane	0.1479 0.1598	0.1647 0.1612	0.1625	0.1423	0.1636	Ave		0.157 5			5.5		20.0				
Tetrahydrofuran	1.8440 1.4051	1.4882 1.3904	1.4934	1.4940	1.4532	Ave		1.509 8			10.2		20.0				
Chloroform	0.5631 0.5647	0.5732 0.5751	0.5774	0.4946	0.5722	Ave		0.560 n		0.2000	5.2		20.0				
1,1,1-Trichloroethane	0.5166 0.4912	0.5199 0.4991	0.5019	0.4266	0.5012	Ave		0.493 8		0.1000	6.3		20.0				
Cyclohexane	0.5218 0.5074	0.4875 0.5299	0.5404	0.4199	0.5048	Ave		0.501 7		0.1000	8.0		20.0				
Carbon tetrachloride	0.4120 0.4347	0.4240 0.4456	0.4338	0.3692	0.4394	Ave		0.422 7		0.1000	6.1		20.0				
1,1-Dichloropropene	0.4176 0.4249	0.4203 0.4414	0.4295	0.3623	0.4325	Ave		0.418 4			6.2		20.0				
Isobutyl alcohol	++++ 0.2825	0.1853 0.2840	0.1968	0.2378	0.2663	Ave		0.242 1			17.8		20.0				
Benzene	1.2842 1.2923	1.3182 1.3221	1.2932	1.1165	1.3194	Ave		1.278 n		0.5000	5.7		20.0				
1,2-Dichloroethane	0.4101 0.3518	0.3988 0.3651	0.3766	0.3106	0.3709	Ave		0.369 1		0.1000	8.8		20.0				
t-Amyl methyl ether	0.9399 0.9541	0.9811 0.9642	0.9559	0.8624	0.9620	Ave		0.945 7			4.1		20.0				
n-Heptane	0.3946 0.4313	0.3915 0.4529	0.4385	0.3449	0.4205	Ave		0.410 6			8.9		20.0				
Trichloroethene	0.3339 0.3475	0.3488 0.3534	0.3459	0.2916	0.3511	Ave		0.338 9		0.2000	6.4		20.0				
n-Butanol	++++ 0.2469	0.0841 0.2565	0.1218	0.1496	0.2136	Lin1	-10.5 6	0.256 n						0.9960		0.9900	

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

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

Analy Batch No.: 370594

SDG No.:

Instrument ID: 10193

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

Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2023 19:00

Calibration End Date: 05/01/2023 21:14

Calibration ID: 49717

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								
Methylcyclohexane	0.5420 0.5613	0.5110 0.5835	0.5835	0.4638	0.5598	Ave		0.543 6		0.1000	7.9		20.0				
1,2-Dichloropropane	0.3396 0.3430	0.3327 0.3514	0.3408	0.2954	0.3449	Ave		0.335 4		0.1000	5.5		20.0				
Dibromomethane	0.1710 0.1689	0.1680 0.1678	0.1636	0.1533	0.1679	Ave		0.165 8			3.6		20.0				
Methyl methacrylate	9.6704 10.560	9.0230 10.778	9.4566	9.4759	10.752	Ave		9.959 3			7.2		20.0				
1,4-Dioxane	++++ 0.0585	0.0385 0.0544	0.0512	0.0545	0.0607	Ave		0.053 0		0.0050	14.8		20.0				
Bromodichloromethane	0.4326 0.4347	0.4191 0.4417	0.4238	0.3742	0.4370	Ave		0.423 3		0.2000	5.4		20.0				
2-Nitropropane	2.9597 3.2652	3.1228 3.2730	3.0607	3.2028	3.3978	Ave		3.183 1			4.6		20.0				
cis-1,3-Dichloropropene	0.4697 0.5562	0.5043 0.5681	0.5202	0.4676	0.5491	Ave		0.519 3		0.2000	7.9		20.0				
4-Methyl-2-pentanone (MIBK)	11.810 13.706	12.718 13.633	12.936	12.986	13.820	Ave		13.08 7		0.1000	5.4		20.0				
Toluene	0.9272 0.9348	0.9487 0.9545	0.9276	0.8126	0.9415	Ave		0.921 0		0.4000	5.3		20.0				
trans-1,3-Dichloropropene	0.3956 0.5129	0.4212 0.5325	0.4366	0.4243	0.5012	Ave		0.460 6		0.1000	11.6		20.0				
Ethyl methacrylate	0.3422 0.4102	0.3502 0.4193	0.3444	0.3492	0.3946	Ave		0.372 9			9.1		20.0				
1,1,2-Trichloroethane	0.3100 0.2711	0.2818 0.2722	0.2586	0.2519	0.2719	Ave		0.273 9		0.1000	6.8		20.0				
Tetrachloroethene	0.4333 0.4369	0.4486 0.4448	0.4433	0.3863	0.4507	Ave		0.434 8		0.2000	5.1		20.0				
1,3-Dichloropropane	0.4204 0.4583	0.4357 0.4640	0.4393	0.4160	0.4546	Ave		0.441 2			4.2		20.0				
2-Hexanone	5.7502 9.7730	7.5649 9.7906	8.2606	8.9787	9.6023	Ave		8.531 5		0.1000	17.4		20.0				
Dibromochloromethane	0.3299 0.3589	0.3345 0.3710	0.3404	0.3161	0.3629	Ave		0.344 8			5.8		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.: 410-124489-1

Analy Batch No.: 370594

SDG No.:

Instrument ID: 10193

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

Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2023 19:00

Calibration End Date: 05/01/2023 21:14

Calibration ID: 49717

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dibromoethane (EDB)	0.2506 0.2672	0.2615 0.2717	0.2502	0.2360	0.2679	Ave		0.257 9		0.1000	5.0		20.0				
1-Chlorohexane	0.6221 0.5142	0.5196 0.5298	0.5279	0.4442	0.5193	Ave		0.525 3			9.9		20.0				
Chlorobenzene	1.0885 1.1165	1.1291 1.1228	1.1038	0.9801	1.1316	Ave		1.096 1		0.5000	4.9		20.0				
1,1,1,2-Tetrachloroethane	0.3757 0.3912	0.3781 0.3967	0.3865	0.3450	0.3926	Ave		0.380 8			4.6		20.0				
Ethylbenzene	1.6879 1.8458	1.8024 1.8881	1.7749	1.5751	1.8636	Ave		1.776 9		0.1000	6.2		20.0				
m&p-Xylene	0.7119 0.7444	0.7253 0.7483	0.7192	0.6378	0.7474	Ave		0.719 2		0.1000	5.4		20.0				
o-Xylene	0.6935 0.7323	0.7349 0.7392	0.7049	0.6357	0.7463	Ave		0.712 4		0.3000	5.5		20.0				
Styrene	1.0621 1.2368	1.1510 1.2604	1.1364	1.0497	1.2478	Ave		1.163 5		0.3000	7.5		20.0				
Bromoform	0.1911 0.2350	0.2137 0.2401	0.2086	0.2037	0.2310	Ave		0.217 6		0.1000	8.3		20.0				
Isopropylbenzene	1.7850 1.8841	1.8956 1.8745	1.8225	1.6231	1.9154	Ave		1.828 6		0.1000	5.5		20.0				
Bromobenzene	0.7547 0.7897	0.7953 0.7753	0.7721	0.6996	0.8119	Ave		0.771 2			4.7		20.0				
1,1,2,2-Tetrachloroethane	0.5508 0.5689	0.5676 0.5679	0.5391	0.5447	0.5796	Ave		0.559 8		0.3000	2.7		20.0				
trans-1,4-Dichloro-2-butene	0.1037 0.1553	0.1158 0.1551	0.1277	0.1322	0.1510	Ave		0.134 4			15.1		20.0				
1,2,3-Trichloropropane	0.1481 0.1479	0.1444 0.1472	0.1468	0.1466	0.1497	Ave		0.147 2			1.1		20.0				
N-Propylbenzene	3.3838 3.6113	3.4634 3.4980	3.5123	2.9535	3.6188	Ave		3.434 5			6.6		20.0				
2-Chlorotoluene	0.7366 0.7608	0.7726 0.7568	0.7294	0.6595	0.7784	Ave		0.742 0			5.5		20.0				
1,3,5-Trimethylbenzene	2.4643 2.6754	2.6522 2.6513	2.5814	2.2773	2.7266	Ave		2.575 5			6.1		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.: 410-124489-1

Analy Batch No.: 370594

SDG No.:

Instrument ID: 10193

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

Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2023 19:00

Calibration End Date: 05/01/2023 21:14

Calibration ID: 49717

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								
4-Chlorotoluene	0.7293 0.7945	0.7918 0.7978	0.7316	0.7004	0.8111	Ave		0.765 2			5.7		20.0				
tert-Butylbenzene	0.5748 0.6147	0.6298 0.5798	0.6105	0.4976	0.6341	Ave		0.591 6			8.0		20.0				
Pentachloroethane	0.4380 0.5081	0.4802 0.4936	0.4636	0.4831	0.5139	Ave		0.482 9			5.4		20.0				
1,2,4-Trimethylbenzene	2.5492 2.7931	2.6314 2.7796	2.6475	2.3681	2.8325	Ave		2.657 3			6.1		20.0				
sec-Butylbenzene	3.2085 3.3978	3.2946 3.2835	3.3163	2.8933	3.4521	Ave		3.263 7			5.6		20.0				
1,3-Dichlorobenzene	1.4279 1.5824	1.4791 1.5636	1.4763	1.3614	1.5944	Ave		1.497 9		0.6000	5.8		20.0				
p-Isopropyltoluene	2.8375 3.0468	2.9696 2.9629	2.8914	2.6102	3.1016	Ave		2.917 2			5.5		20.0				
1,4-Dichlorobenzene	1.4274 1.5760	1.4888 1.5306	1.5454	1.3792	1.6111	Ave		1.508 4		0.5000	5.5		20.0				
1,2,3-Trimethylbenzene	1.2489 1.2687	1.2703 1.2510	1.1933	1.0964	1.2909	Ave		1.231 4			5.4		20.0				
Benzyl chloride	0.1693 0.2604	0.1931 0.2678	0.2193	0.2301	0.2543	Ave		0.227 7			16.1		20.0				
n-Butylbenzene	1.1736 1.4674	1.3216 1.4908	1.3421	1.2163	1.4891	Ave		1.357 3			9.6		20.0				
1,2-Dichlorobenzene	1.2357 1.4857	1.4249 1.4569	1.3758	1.2973	1.5092	Ave		1.397 9		0.4000	7.2		20.0				
1,2-Dibromo-3-Chloropropane	0.0628 0.0848	0.0710 0.0878	0.0692	0.0719	0.0813	Ave		0.075 6		0.0500	12.2		20.0				
1,3,5-Trichlorobenzene	1.0712 1.2540	1.1807 1.2337	1.1510	1.0718	1.2639	Ave		1.175 2			6.9		20.0				
1,2,4-Trichlorobenzene	0.7357 1.0044	0.8402 1.0198	0.8585	0.8189	1.0037	Ave		0.897 3		0.2000	12.4		20.0				
Hexachlorobutadiene	0.5551 0.5466	0.5352 0.5332	0.5245	0.4610	0.5432	Ave		0.528 4			5.9		20.0				
Naphthalene	1.2217 1.6190	1.2811 1.6881	1.3449	1.3697	1.5414	Ave		1.438 0			12.4		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 Job No.: 410-124489-1 Analy Batch No.: 370594
 Environment Testing, LLC

SDG No.: _____

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2023 19:00 Calibration End Date: 05/01/2023 21:14 Calibration ID: 49717

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichlorobenzene	0.5876 0.7881	0.6819 0.8154	0.6730	0.6523	0.7717	Ave		0.710 0			11.7		20.0				
Dibromofluoromethane (Surr)	0.2599 0.2602	0.2603 0.2572	0.2632	0.2593	0.2629	Ave		0.260 4			0.8		20.0				
1,2-Dichloroethane-d4 (Surr)	0.0507 0.0512	0.0516 0.0501	0.0530	0.0525	0.0501	Ave		0.051 3			2.2		20.0				
Toluene-d8 (Surr)	1.1831 1.2014	1.1912 1.2089	1.1856	1.1931	1.1975	Ave		1.194 4			0.8		20.0				
4-Bromofluorobenzene (Surr)	0.5033 0.5176	0.5045 0.5210	0.5017	0.5112	0.5140	Ave		0.510 5			1.5		20.0				

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

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

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-124489-1 Analy Batch No.: 370594

SDG No.: _____

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2023 19:00 Calibration End Date: 05/01/2023 21:14 Calibration ID: 49717

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-370594/13	CY01X12.D
Level 2	IC 410-370594/14	CY01X13.D
Level 3	IC 410-370594/15	CY01X14.D
Level 4	IC 410-370594/16	CY01X15.D
Level 5	IC 410-370594/17	CY01X16.D
Level 6	ICIS 410-370594/18	CY01X17.D
Level 7	IC 410-370594/19	CY01X18.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7				LVL 6	LVL 7			
Dichlorodifluoromethane	FB	Ave	15489 733924	35260 1844486	75329	145079	370847	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloromethane	FB	Ave	18321 847656	45994 2053703	86308	163798	438521	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Vinyl chloride	FB	Ave	17292 815266	42328 1996257	82343	160114	424476	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Butadiene	FB	Ave	17372 733554	39408 1830187	77891	153088	360495	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromomethane	FB	Ave	12993 537960	29180 1295233	53433	112242	282213	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloroethane	FB	Ave	10576 468210	25831 1139267	48356	94287	240755	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dichlorofluoromethane	FB	Ave	23911 1119352	60460 2753793	112373	225065	577697	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Trichlorofluoromethane	FB	Ave	19470 985985	49023 2462862	99807	202482	503647	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl ether	FB	Ave	10919 505712	26090 1264048	50635	99967	249753	0.200 10.00	0.500 25.0	1.000	2.00	5.00
Freon 123a	FB	Ave	15768 682201	35291 1692291	69709	136393	348627	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acrolein	TBAd 10	Ave	62640 3378019	167950 8476126	330654	642599	1672881	10.0 500	25.0 1250	50.0	100	250
1,1-Dichloroethene	FB	Ave	10742 493944	25797 1264796	50235	86085	253696	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetone	TBAd 10	Ave	+++++	43563	76743	143007	361471	+++++	5.00	10.0	20.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-124489-1 Analy Batch No.: 370594

SDG No.: _____

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2023 19:00 Calibration End Date: 05/01/2023 21:14 Calibration ID: 49717

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
			707625	1803785				100	250			
Freon 113	FB	Ave	10697 505805	24541 1310879	53477	88189	258104	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl iodide	FB	Ave	21480 1061357	53121 2627805	105913	180504	541150	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon disulfide	FB	Ave	34531 1797605	87456 4607376	179296	294254	885144	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl acetate	TBAd 10	Ave	4652 225184	16044 594611	22568	46375	105928	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Allyl chloride	FB	Ave	18170 913691	43835 2403755	90962	155096	464543	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylene Chloride	FB	Ave	11811 598119	31232 1560380	60652	105864	305134	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Butyl alcohol	TBAd 10	Ave	13289 581340	32708 1433141	60220	119195	279636	4.00 200	10.0 500	20.0	40.0	100
Acrylonitrile	TBAd 10	Ave	6430 255304	14613 665837	28347	47177	125207	0.500 25.0	1.25 62.5	2.50	5.00	12.5
Methyl tert-butyl ether	FB	Ave	35393 1725441	88410 4392031	173753	318041	866258	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,2-Dichloroethene	FB	Ave	13163 615390	29673 1599363	62065	104170	312169	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Hexane	FB	Ave	15574 787272	37594 2124723	82583	128562	394857	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloroethane	FB	Ave	22342 1118224	56143 2906162	110627	192832	570426	0.200 10.0	0.500 25.0	1.00	2.00	5.00
di-Isopropyl ether	FB	Ave	40380 2034472	100940 5297680	201601	359828	1020112	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloro-1,3-butadiene	FB	Ave	17456 934857	43776 2471250	90007	152576	468216	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl t-butyl ether	FB	Ave	40120 2046949	103206 5266739	201922	370711	1027162	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Butanone (MEK)	TBAd 10	Ave	27817	75588	142643	292284	766849	2.00	5.00	10.0	20.0	50.0

FORM VI
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RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-124489-1 Analy Batch No.: 370594

SDG No.: _____

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2023 19:00 Calibration End Date: 05/01/2023 21:14 Calibration ID: 49717

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
			1538747	3911262				100	250			
2,2-Dichloropropane	FB	Ave	20875 938999	56676 2433226	97552	161106	485219	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,2-Dichloroethene	FB	Ave	12928 678443	34405 1771507	67560	116205	346092	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Propionitrile	TBAd 10	Ave	9604 703206	33000 1901348	66269	120496	345504	4.00 200	10.0 500	20.0	40.0	100
Methacrylonitrile	TBAd 10	Ave	28504 1703542	74821 4351557	160456	309492	837484	2.00 100	5.00 250	10.0	20.0	50.0
Bromochloromethane	FB	Ave	5798 316292	16007 813810	31835	56005	162069	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrahydrofuran	TBAd 10	Ave	5811 222798	11551 573319	23525	46394	112621	1.00 50.0	2.50 125	5.00	10.0	25.0
Chloroform	FB	Ave	22073 1117567	55713 2902504	113083	194639	566761	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1-Trichloroethane	FB	Ave	20253 972172	50532 2519111	98307	167882	496390	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Cyclohexane	FB	Ave	20454 1004095	47382 2674137	105836	165251	499985	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon tetrachloride	FB	Ave	16151 860343	41212 2249142	84964	145282	435211	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloropropene	FB	Ave	16369 840956	40852 2227588	84119	142574	428358	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isobutyl alcohol	TBAd 10	Ave	++++ 447936	14381 1170943	31008	73828	206357	++++ 500	25.0 1250	50.0	100	250
Benzene	FB	Ave	50342 2557558	128118 6672524	253280	439350	1306765	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloroethane	FB	Ave	16078 696212	38755 1842605	73765	122217	367375	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Amyl methyl ether	FB	Ave	36844 1888227	95355 4866379	187225	339385	952816	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Heptane	FB	Ave	15467	38048	85888	135728	416478	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 Enviro Job No.: 410-124489-1 Analy Batch No.: 370594

SDG No.: _____

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2023 19:00 Calibration End Date: 05/01/2023 21:14 Calibration ID: 49717

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
			853515	2285705				10.0	25.0			
Trichloroethene	FB	Ave	13090 687744	33901 1783349	67739	114765	347795	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butanol	TBAd 10	Lin1	++++ 685163	11423 1850544	33572	81274	289735	++++ 875	43.8 2188	87.5	175	438
Methylcyclohexane	FB	Ave	21246 1110799	49668 2945100	114284	182524	554423	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloropropane	FB	Ave	13314 678866	32334 1773636	66746	116253	341576	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dibromomethane	FB	Ave	6702 334312	16330 847077	32036	60313	166346	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl methacrylate	TBAd 10	Ave	6095 334881	14007 888840	29794	58850	166644	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dioxane	TBAd 10	Ave	++++ 92700	2988 224469	8069	16915	47072	++++ 500	25.0 1250	50.0	100	250
Bromodichloromethane	FB	Ave	16957 860308	40733 2229368	83007	147255	432798	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Nitropropane	TBAd 10	Ave	9327 517735	24239 1349583	48215	99454	263321	1.00 50.0	2.50 125	5.00	10.0	25.0
cis-1,3-Dichloropropene	FB	Ave	18411 1100808	49009 2867048	101889	183994	543896	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Methyl-2-pentanone (MIBK)	TBAd 10	Ave	74433 4346504	197423 11243259	407566	806524	2142002	2.00 100	5.00 250	10.0	20.0	50.0
Toluene	CBZd 5	Ave	34097 1732261	86488 4491756	171834	298097	873512	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,3-Dichloropropene	CBZd 5	Ave	14546 950369	38401 2506031	80882	155668	464972	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl methacrylate	CBZd 5	Ave	12585	31928	63794	128098	366055	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 Enviro Job No.: 410-124489-1 Analy Batch No.: 370594

SDG No.: _____

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2023 19:00 Calibration End Date: 05/01/2023 21:14 Calibration ID: 49717

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
			760195	1973360				10.0	25.0			
1,1,2-Trichloroethane	CBZd 5	Ave	11398	25687	47902	92415	252235	0.200	0.500	1.00	2.00	5.00
			502445	1280918				10.0	25.0			
Tetrachloroethene	CBZd 5	Ave	15934	40899	82112	141716	418173	0.200	0.500	1.00	2.00	5.00
			809533	2093101				10.0	25.0			
1,3-Dichloropropane	CBZd 5	Ave	15458	39718	81370	152590	421750	0.200	0.500	1.00	2.00	5.00
			849237	2183412				10.0	25.0			
2-Hexanone	TBA 10	Ave	36242	117436	260259	557623	1488305	2.00	5.00	10.0	20.0	50.0
			3099271	8074177				100	250			
Dibromochloromethane	CBZd 5	Ave	12131	30500	63048	115967	336724	0.200	0.500	1.00	2.00	5.00
			665076	1745989				10.0	25.0			
1,2-Dibromoethane (EDB)	CBZd 5	Ave	9215	23841	46346	86581	248551	0.200	0.500	1.00	2.00	5.00
			495106	1278456				10.0	25.0			
1-Chlorohexane	CBZd 5	Ave	22875	47372	97782	162948	481823	0.200	0.500	1.00	2.00	5.00
			952854	2493152				10.0	25.0			
Chlorobenzene	CBZd 5	Ave	40027	102941	204459	359544	1049871	0.200	0.500	1.00	2.00	5.00
			2069032	5284095				10.0	25.0			
1,1,1,2-Tetrachloroethane	CBZd 5	Ave	13816	34472	71592	126543	364212	0.200	0.500	1.00	2.00	5.00
			724952	1866782				10.0	25.0			
Ethylbenzene	CBZd 5	Ave	62070	164325	328788	577827	1729005	0.200	0.500	1.00	2.00	5.00
			3420475	8885505				10.0	25.0			
m&p-Xylene	CBZd 5	Ave	52360	132245	266455	467941	1386791	0.400	1.00	2.00	4.00	10.0
			2758842	7042683				20.0	50.0			
o-Xylene	CBZd 5	Ave	25501	66998	130576	233216	692373	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 Enviro Job No.: 410-124489-1 Analy Batch No.: 370594

SDG No.: _____

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2023 19:00 Calibration End Date: 05/01/2023 21:14 Calibration ID: 49717

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
			1356965	3478903				10.0	25.0			
Styrene	CBZd 5	Ave	39056 2291966	104932 5931671	210503	385075	1157660	0.200	0.500	1.00	2.00	5.00
Bromoform	CBZd 5	Ave	7029 435399	19481 1129792	38636	74742	214347	0.200	0.500	1.00	2.00	5.00
Isopropylbenzene	CBZd 5	Ave	65642 3491314	172814 8821261	337599	595432	1777018	0.200	0.500	1.00	2.00	5.00
Bromobenzene	DCBd 4	Ave	17167 916724	44961 2329923	89476	160410	465679	0.200	0.500	1.00	2.00	5.00
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	12529 660367	32088 1706677	62481	124888	332415	0.200	0.500	1.00	2.00	5.00
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	23587 1803054	65451 4660377	147995	303203	866324	2.00	5.00	10.0	20.0	50.0
1,2,3-Trichloropropane	DCBd 4	Ave	3369 171684	8164 442287	17013	33623	85843	0.200	0.500	1.00	2.00	5.00
N-Propylbenzene	DCBd 4	Ave	76970 4192111	195794 10512116	407043	677201	2075659	0.200	0.500	1.00	2.00	5.00
2-Chlorotoluene	DCBd 4	Ave	16756 883135	43676 2274300	84532	151223	446449	0.200	0.500	1.00	2.00	5.00
1,3,5-Trimethylbenzene	DCBd 4	Ave	56055 3105699	149932 7967765	299155	522152	1563918	0.200	0.500	1.00	2.00	5.00
4-Chlorotoluene	DCBd 4	Ave	16588 922230	44763 2397519	84788	160581	465229	0.200	0.500	1.00	2.00	5.00
tert-Butylbenzene	DCBd 4	Ave	13074	35604	70749	114096	363705	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 Enviro Job No.: 410-124489-1 Analy Batch No.: 370594

SDG No.: _____

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2023 19:00 Calibration End Date: 05/01/2023 21:14 Calibration ID: 49717

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
			713512	1742272				10.0	25.0			
Pentachloroethane	DCBd 4	Ave	9964	27144	53730	110771	294785	0.200	0.500	1.00	2.00	5.00
			589766	1483426				10.0	25.0			
1,2,4-Trimethylbenzene	DCBd 4	Ave	57985	148758	306816	542964	1624641	0.200	0.500	1.00	2.00	5.00
			3242306	8353257				10.0	25.0			
sec-Butylbenzene	DCBd 4	Ave	72983	186251	384327	663377	1980038	0.200	0.500	1.00	2.00	5.00
			3944219	9867631				10.0	25.0			
1,3-Dichlorobenzene	DCBd 4	Ave	32480	83617	171093	312158	914516	0.200	0.500	1.00	2.00	5.00
			1836862	4699075				10.0	25.0			
p-Isopropyltoluene	DCBd 4	Ave	64543	167879	335086	598481	1778983	0.200	0.500	1.00	2.00	5.00
			3536853	8904015				10.0	25.0			
1,4-Dichlorobenzene	DCBd 4	Ave	32469	84167	179100	316219	924059	0.200	0.500	1.00	2.00	5.00
			1829431	4599614				10.0	25.0			
1,2,3-Trimethylbenzene	DCBd 4	Ave	28408	71815	138288	251377	740448	0.200	0.500	1.00	2.00	5.00
			1472721	3759555				10.0	25.0			
Benzyl chloride	DCBd 4	Ave	3850	10917	25411	52748	145876	0.200	0.500	1.00	2.00	5.00
			302290	804820				10.0	25.0			
n-Butylbenzene	DCBd 4	Ave	26696	74713	155533	278872	854099	0.200	0.500	1.00	2.00	5.00
			1703384	4480154				10.0	25.0			
1,2-Dichlorobenzene	DCBd 4	Ave	28109	80550	159443	297449	865624	0.200	0.500	1.00	2.00	5.00
			1724658	4378271				10.0	25.0			
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1429	4012	8022	16485	46653	0.200	0.500	1.00	2.00	5.00
			98449	263897				10.0	25.0			
1,3,5-Trichlorobenzene	DCBd 4	Ave	24365	66748	133394	245749	724908	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 Enviro Job No.: 410-124489-1 Analy Batch No.: 370594

SDG No.: _____

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2023 19:00 Calibration End Date: 05/01/2023 21:14 Calibration ID: 49717

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
			1455706	3707538				10.0	25.0			
1,2,4-Trichlorobenzene	DCBd 4	Ave	16735	47499	99494	187759	575664	0.200	0.500	1.00	2.00	5.00
			1165926	3064699				10.0	25.0			
Hexachlorobutadiene	DCBd 4	Ave	12627	30257	60781	105708	311552	0.200	0.500	1.00	2.00	5.00
			634505	1602514				10.0	25.0			
Naphthalene	DCBd 4	Ave	27789	72423	155856	314062	884074	0.200	0.500	1.00	2.00	5.00
			1879407	5073149				10.0	25.0			
1,2,3-Trichlorobenzene	DCBd 4	Ave	13366	38550	77988	149565	442612	0.200	0.500	1.00	2.00	5.00
			914820	2450351				10.0	25.0			
Dibromofluoromethane (Surr)	FB	Ave	509456	506048	515525	510175	520845	10.0	10.0	10.0	10.0	10.0
			514910	519136				10.0	10.0			
1,2-Dichloroethane-d4 (Surr)	FB	Ave	99401	100392	103800	103393	99162	10.0	10.0	10.0	10.0	10.0
			101377	101150				10.0	10.0			
Toluene-d8 (Surr)	CBZd 5	Ave	2175252	2171926	2196273	2188352	2221928	10.0	10.0	10.0	10.0	10.0
			2226358	2275720				10.0	10.0			
4-Bromofluorobenzene (Surr)	CBZd 5	Ave	925317	919881	929361	937621	953694	10.0	10.0	10.0	10.0	10.0
			959199	980752				10.0	10.0			

Curve Type Legend

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-124489-1 Analy Batch No.: 370594

SDG No.: _____

Instrument ID: 10193 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2023 19:00 Calibration End Date: 05/01/2023 21:14 Calibration ID: 49717

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-370594/13	CY01X12.D
Level 2	IC 410-370594/14	CY01X13.D
Level 3	IC 410-370594/15	CY01X14.D
Level 4	IC 410-370594/16	CY01X15.D
Level 5	IC 410-370594/17	CY01X16.D
Level 6	ICIS 410-370594/18	CY01X17.D
Level 7	IC 410-370594/19	CY01X18.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	5.5 -2.4	-3.1	2.7	-1.6	0.0	-1.0	50 30	30	30	30	30	30
Chloromethane	6.4 -7.4	7.7	0.3	-5.3	0.8	-2.5	50 30	30	30	30	30	30
Vinyl chloride	5.0 -5.8	3.7	0.1	-3.1	2.0	-1.9	50 30	30	30	30	30	30
1,3-Butadiene	13.5 -7.1	3.9	1.9	-0.3	-6.8	-5.0	50 30	30	30	30	30	30
Bromomethane	15.8 -10.3	4.9	-4.7	-0.3	-0.4	-5.0	50 30	30	30	30	30	30
Chloroethane	9.3 -8.5	7.7	0.0	-2.9	-1.5	-4.1	50 30	30	30	30	30	30
Dichlorofluoromethane	4.8 -6.2	6.9	-1.4	-1.7	0.3	-2.8	50 30	30	30	30	30	30
Trichlorofluoromethane	-1.2 -3.0	0.3	1.3	2.3	1.1	-0.9	50 30	30	30	30	30	30
Ethyl ether	7.3 -3.5	3.4	-0.4	-2.2	-2.9	-1.6	50 30	30	30	30	30	30
Freon 123a	12.6 -6.1	1.7	-0.3	-2.9	-1.4	-3.5	50 30	30	30	30	30	30
Acrolein	-5.1 -1.9	3.3	0.2	-1.2	3.0	1.7	50 30	30	30	30	30	30
1,1-Dichloroethene	8.3 -0.9	4.9	1.4	-13.5	1.2	-1.4	50 30	30	30	30	30	30
Acetone	++++ -8.2	17.8	2.2	-3.4	-2.1	-6.3	30	50	30	30	30	30
Freon 113	6.2 1.1	-1.7	6.3	-12.8	1.4	-0.5	50 30	30	30	30	30	30

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	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Methyl iodide	3.7 -1.4	3.5	2.4	-13.2	3.4	1.5	50 30	30	30	30	30	30
Carbon disulfide	0.1 3.8	2.3	4.0	-15.0	1.6	3.2	50 30	30	30	30	30	30
Methyl acetate	-3.4 -5.6	35.2 *	-6.3	-2.3	-10.6	-7.1	50 30	30	30	30	30	30
Allyl chloride	2.0 4.8	-0.7	2.2	-13.2	3.2	1.6	50 30	30	30	30	30	30
Methylene Chloride	-0.6 2.0	6.1	2.2	-11.2	1.7	-0.2	50 30	30	30	30	30	30
t-Butyl alcohol	10.0 -9.4	9.9	-0.3	0.1	-5.9	-4.4	50 30	30	30	30	30	30
Acrylonitrile	18.2 -6.4	9.1	4.3	-12.0	-6.4	-6.7	50 30	30	30	30	30	30
Methyl tert-butyl ether	3.2 -0.5	4.0	1.4	-7.6	0.0	-0.4	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	8.5 2.4	-1.3	2.4	-14.4	1.9	0.5	50 30	30	30	30	30	30
n-Hexane	1.1 7.2	-1.5	7.3	-16.8	1.5	1.3	50 30	30	30	30	30	30
1,1-Dichloroethane	1.8 2.8	3.2	0.9	-12.5	2.9	0.9	50 30	30	30	30	30	30
di-Isopropyl ether	1.3 3.2	2.1	1.2	-10.1	1.3	1.1	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-1.9 7.9	-0.8	1.2	-14.6	4.1	4.1	50 30	30	30	30	30	30
Ethyl t-butyl ether	-0.1 1.8	3.6	0.6	-8.1	1.2	0.9	50 30	30	30	30	30	30
2-Butanone (MEK)	-6.5 0.4	3.1	-4.1	-0.3	4.8	2.7	50 30	30	30	30	30	30
2,2-Dichloropropane	7.4 -2.7	17.7	0.5	-17.4	-1.2	-4.3	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	-2.5 3.8	4.7	2.0	-12.7	3.3	1.4	50 30	30	30	30	30	30
Propionitrile	-26.2 11.7	3.0	1.9	-6.0	8.0	7.5	50 30	30	30	30	30	30
Methacrylonitrile	-10.7 4.1	-4.9	0.5	-1.7	6.6	6.0	50 30	30	30	30	30	30

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	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Bromochloromethane	-6.1 2.4	4.6	3.2	-9.6	3.9	1.5	50 30	30	30	30	30	30
Tetrahydrofuran	22.1 -7.9	-1.4	-1.1	-1.0	-3.7	-6.9	50 30	30	30	30	30	30
Chloroform	0.5 2.7	2.4	3.1	-11.7	2.2	0.8	50 30	30	30	30	30	30
1,1,1-Trichloroethane	4.6 1.1	5.3	1.6	-13.6	1.5	-0.5	50 30	30	30	30	30	30
Cyclohexane	4.0 5.6	-2.8	7.7	-16.3	0.6	1.1	50 30	30	30	30	30	30
Carbon tetrachloride	-2.5 5.4	0.3	2.6	-12.7	4.0	2.8	50 30	30	30	30	30	30
1,1-Dichloropropene	-0.2 5.5	0.5	2.7	-13.4	3.4	1.6	50 30	30	30	30	30	30
Isobutyl alcohol	++++ 17.3	-23.5	-18.7	-1.8	10.0	16.7	30	50	30	30	30	30
Benzene	0.5 3.5	3.1	1.2	-12.6	3.2	1.1	50 30	30	30	30	30	30
1,2-Dichloroethane	11.1 -1.1	8.0	2.0	-15.9	0.5	-4.7	50 30	30	30	30	30	30
t-Amyl methyl ether	-0.6 2.0	3.7	1.1	-8.8	1.7	0.9	50 30	30	30	30	30	30
n-Heptane	-3.9 10.3	-4.7	6.8	-16.0	2.4	5.0	50 30	30	30	30	30	30
Trichloroethene	-1.5 4.3	2.9	2.1	-13.9	3.6	2.5	50 30	30	30	30	30	30
n-Butanol	++++ 2.1	27.2	-5.3	-18.0	-7.1	1.2	30	50	30	30	30	30
Methylcyclohexane	-0.3 7.4	-6.0	7.4	-14.7	3.0	3.3	50 30	30	30	30	30	30
1,2-Dichloropropane	1.3 4.8	-0.8	1.6	-11.9	2.8	2.3	50 30	30	30	30	30	30
Dibromomethane	3.1 1.2	1.3	-1.3	-7.6	1.3	1.9	50 30	30	30	30	30	30
Methyl methacrylate	-2.9 8.2	-9.4	-5.0	-4.9	8.0	6.0	50 30	30	30	30	30	30
1,4-Dioxane	++++ 2.8	-27.3	-3.3	2.8	14.7	10.4	30	50	30	30	30	30

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	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Bromodichloromethane	2.2 4.4	-1.0	0.1	-11.6	3.2	2.7	50 30	30	30	30	30	30
2-Nitropropane	-7.0 2.8	-1.9	-3.8	0.6	6.7	2.6	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-9.6 9.4	-2.9	0.2	-10.0	5.7	7.1	50 30	30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	-9.8 4.2	-2.8	-1.2	-0.8	5.6	4.7	50 30	30	30	30	30	30
Toluene	0.7 3.6	3.0	0.7	-11.8	2.2	1.5	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-14.1 15.6	-8.6	-5.2	-7.9	8.8	11.3	50 30	30	30	30	30	30
Ethyl methacrylate	-8.2 12.5	-6.1	-7.6	-6.4	5.8	10.0	50 30	30	30	30	30	30
1,1,2-Trichloroethane	13.2 -0.6	2.9	-5.6	-8.0	-0.7	-1.0	50 30	30	30	30	30	30
Tetrachloroethene	-0.4 2.3	3.2	1.9	-11.2	3.7	0.5	50 30	30	30	30	30	30
1,3-Dichloropropane	-4.7 5.2	-1.2	-0.4	-5.7	3.0	3.9	50 30	30	30	30	30	30
2-Hexanone	-32.6 14.8	-11.3	-3.2	5.2	12.6	14.6	50 30	30	30	30	30	30
Dibromochloromethane	-4.3 7.6	-3.0	-1.3	-8.3	5.3	4.1	50 30	30	30	30	30	30
1,2-Dibromoethane (EDB)	-2.8 5.4	1.4	-3.0	-8.5	3.9	3.6	50 30	30	30	30	30	30
1-Chlorohexane	18.4 0.9	-1.1	0.5	-15.4	-1.1	-2.1	50 30	30	30	30	30	30
Chlorobenzene	-0.7 2.4	3.0	0.7	-10.6	3.2	1.9	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-1.3 4.2	-0.7	1.5	-9.4	3.1	2.7	50 30	30	30	30	30	30
Ethylbenzene	-5.0 6.3	1.4	-0.1	-11.4	4.9	3.9	50 30	30	30	30	30	30
m&p-Xylene	-1.0 4.0	0.8	0.0	-11.3	3.9	3.5	50 30	30	30	30	30	30
o-Xylene	-2.7 3.8	3.2	-1.1	-10.8	4.8	2.8	50 30	30	30	30	30	30

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	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Styrene	-8.7 8.3	-1.1	-2.3	-9.8	7.2	6.3	50 30	30	30	30	30	30
Bromoform	-12.2 10.3	-1.8	-4.1	-6.4	6.2	8.0	50 30	30	30	30	30	30
Isopropylbenzene	-2.4 2.5	3.7	-0.3	-11.2	4.7	3.0	50 30	30	30	30	30	30
Bromobenzene	-2.1 0.5	3.1	0.1	-9.3	5.3	2.4	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-1.6 1.4	1.4	-3.7	-2.7	3.5	1.6	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-22.9 15.4	-13.9	-5.0	-1.6	12.4	15.6	50 30	30	30	30	30	30
1,2,3-Trichloropropane	0.6 0.0	-1.9	-0.3	-0.4	1.6	0.4	50 30	30	30	30	30	30
N-Propylbenzene	-1.5 1.8	0.8	2.3	-14.0	5.4	5.1	50 30	30	30	30	30	30
2-Chlorotoluene	-0.7 2.0	4.1	-1.7	-11.1	4.9	2.5	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-4.3 2.9	3.0	0.2	-11.6	5.9	3.9	50 30	30	30	30	30	30
4-Chlorotoluene	-4.7 4.3	3.5	-4.4	-8.5	6.0	3.8	50 30	30	30	30	30	30
tert-Butylbenzene	-2.8 -2.0	6.5	3.2	-15.9	7.2	3.9	50 30	30	30	30	30	30
Pentachloroethane	-9.3 2.2	-0.6	-4.0	0.0	6.4	5.2	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-4.1 4.6	-1.0	-0.4	-10.9	6.6	5.1	50 30	30	30	30	30	30
sec-Butylbenzene	-1.7 0.6	0.9	1.6	-11.4	5.8	4.1	50 30	30	30	30	30	30
1,3-Dichlorobenzene	-4.7 4.4	-1.3	-1.4	-9.1	6.4	5.6	50 30	30	30	30	30	30
p-Isopropyltoluene	-2.7 1.6	1.8	-0.9	-10.5	6.3	4.4	50 30	30	30	30	30	30
1,4-Dichlorobenzene	-5.4 1.5	-1.3	2.5	-8.6	6.8	4.5	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	1.4 1.6	3.2	-3.1	-11.0	4.8	3.0	50 30	30	30	30	30	30

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	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
Benzyl chloride	-25.7 17.6	-15.2	-3.7	1.0	11.7	14.3	50 30	30	30	30	30	30
n-Butylbenzene	-13.5 9.8	-2.6	-1.1	-10.4	9.7	8.1	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-11.6 4.2	1.9	-1.6	-7.2	8.0	6.3	50 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	-16.8 16.2	-6.1	-8.4	-4.8	7.7	12.3	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-8.9 5.0	0.5	-2.1	-8.8	7.5	6.7	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-18.0 13.7	-6.4	-4.3	-8.7	11.9	11.9	50 30	30	30	30	30	30
Hexachlorobutadiene	5.1 0.9	1.3	-0.7	-12.8	2.8	3.4	50 30	30	30	30	30	30
Naphthalene	-15.0 17.4	-10.9	-6.5	-4.7	7.2	12.6	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-17.2 14.8	-4.0	-5.2	-8.1	8.7	11.0	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	-0.2 -1.3	0.0	1.1	-0.4	1.0	-0.1	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	-1.2 -2.4	0.6	3.3	2.4	-2.5	-0.2	50 30	30	30	30	30	30
Toluene-d8 (Surr)	-0.9 1.2	-0.3	-0.7	-0.1	0.3	0.6	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-1.4 2.1	-1.2	-1.7	0.1	0.7	1.4	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X12.D
 Lims ID: IC std1 0.2
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 01-May-2023 19:00:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0082854-013
 Misc. Info.: IC STD1 0.2
 Operator ID: knk41612 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 07:27:35 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1625

First Level Reviewer: DVW2

Date: 02-May-2023 07:59:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.727	1.733	-0.006	97	15489	0.2000	0.2110	M
5 Chloromethane	50	1.892	1.898	-0.006	98	18321	0.2000	0.2127	
6 Vinyl chloride	62	1.995	1.995	0.000	97	17292	0.2000	0.2101	
7 Butadiene	39	2.007	2.008	-0.001	91	17372	0.2000	0.2270	M
9 Bromomethane	94	2.276	2.282	-0.006	91	12993	0.2000	0.2316	
10 Chloroethane	64	2.343	2.337	0.006	99	10576	0.2000	0.2186	
11 Dichlorofluoromethane	67	2.550	2.556	-0.006	97	23911	0.2000	0.2097	
12 Trichlorofluoromethane	101	2.611	2.605	0.006	96	19470	0.2000	0.1975	
13 Pentane	43	2.611	2.611	0.000	97	18407	0.2000	0.2274	M
14 Ethyl ether	59	2.782	2.788	-0.006	89	10919	0.2000	0.2145	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.873	2.879	-0.006	89	15768	0.2000	0.2253	
17 Acrolein	56	2.952	2.934	0.018	99	62640	10.0	9.49	
18 1,1-Dichloroethene	96	3.044	3.050	-0.006	98	10742	0.2000	0.2166	
20 Acetone	43	3.093	3.074	0.019	93	23102	2.00	3.08	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.093	3.093	0.000	91	10697	0.2000	0.2124	
22 Iodomethane	142	3.221	3.215	0.006	96	21480	0.2000	0.2075	
24 Isopropyl alcohol	45	3.208	3.227	-0.019	29	4964	4.00	3.41	M
23 Ethyl bromide	108	3.239	3.239	0.000	98	10392	0.2004	0.2080	
25 Carbon disulfide	76	3.312	3.300	0.012	99	34531	0.2000	0.2002	
26 Methyl acetate	43	3.422	3.428	-0.006	60	4652	0.2000	0.1932	
29 3-Chloro-1-propene	41	3.446	3.446	0.000	91	18170	0.2000	0.2041	
30 Methylene Chloride	84	3.611	3.605	0.006	92	11811	0.2000	0.1989	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.653	3.672	-0.019	97	157568	50.0	50.0	
32 2-Methyl-2-propanol	59	3.751	3.769	-0.018	91	13289	4.00	4.40	
33 Acrylonitrile	53	3.946	3.910	0.036	26	6430	0.5000	0.5911	
34 Methyl tert-butyl ether	73	3.952	3.952	0.000	93	35393	0.2000	0.2064	
35 trans-1,2-Dichloroethene	96	3.964	3.952	0.012	97	13163	0.2000	0.2171	M
36 Hexane	57	4.348	4.349	-0.001	92	15574	0.2000	0.2023	
37 1,1-Dichloroethane	63	4.586	4.586	0.000	96	22342	0.2000	0.2036	
39 Isopropyl ether	45	4.665	4.653	0.012	94	40380	0.2000	0.2025	a

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	4.708	4.696	0.012	91	17456	0.2000	0.1962	
41 Tert-butyl ethyl ether	59	5.208	5.208	0.000	97	40120	0.2000	0.1997	M
42 2-Butanone (MEK)	43	5.452	5.409	0.043	81	27817	2.00	1.87	
43 cis-1,2-Dichloroethene	96	5.464	5.446	0.018	82	12928	0.2000	0.1950	
44 2,2-Dichloropropane	77	5.446	5.452	-0.006	74	20875	0.2000	0.2149	M
45 Propionitrile	54	5.604	5.507	0.097	28	9604	4.00	2.95	M
47 Methacrylonitrile	67	5.757	5.720	0.037	90	28504	2.00	1.79	
48 Chlorobromomethane	128	5.787	5.781	0.006	86	5798	0.2000	0.1879	
49 Tetrahydrofuran	71	5.824	5.787	0.037	58	5811	1.00	1.22	
50 Chloroform	83	5.952	5.940	0.012	93	22073	0.2000	0.2011	
S 52 1,2-Dichloroethene, Total	100				0			0.4121	
53 1,1,1-Trichloroethane	97	6.165	6.159	0.006	37	20253	0.2000	0.2092	
\$ 54 Dibromofluoromethane (Surr)	113	6.165	6.165	0.000	94	509456	10.0	9.98	
55 Cyclohexane	56	6.251	6.257	-0.006	90	20454	0.2000	0.2080	
56 Carbon tetrachloride	117	6.379	6.373	0.006	96	16151	0.2000	0.1949	
57 1,1-Dichloropropene	75	6.379	6.379	0.000	91	16369	0.2000	0.1996	
58 Isobutyl alcohol	41	6.732	6.604	0.128	32	5069	10.0	6.64	a
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.616	6.616	0.000	98	99401	10.0	9.88	
60 Benzene	78	6.647	6.647	0.000	95	50342	0.2000	0.2010	
61 1,2-Dichloroethane	62	6.726	6.720	0.006	95	16078	0.2000	0.2222	
64 Tert-amyl methyl ether	73	6.866	6.860	0.006	98	36844	0.2000	0.1988	
* 65 Fluorobenzene (IS)	96	7.067	7.055	0.012	99	1960073	10.0	10.0	
66 n-Heptane	43	7.086	7.086	0.000	92	15467	0.2000	0.1922	
67 n-Butanol	56	7.519	7.531	-0.012	44	768	17.5	42.2	
68 Trichloroethene	95	7.561	7.555	0.006	96	13090	0.2000	0.1971	
69 Methylcyclohexane	83	7.854	7.860	-0.006	85	21246	0.2000	0.1994	
70 1,2-Dichloropropane	63	7.890	7.891	-0.001	95	13314	0.2000	0.2025	
71 2-ethoxy-2-methyl butane	87	7.921	7.927	-0.006	91	19714	0.2000	0.1869	
72 Dibromomethane	93	8.012	8.006	0.006	94	6702	0.2000	0.2062	
73 Methyl methacrylate	69	8.031	8.006	0.025	91	6095	0.2000	0.1942	
74 1,4-Dioxane	88	8.037	8.012	0.025	1	350	10.0	2.10	M
76 Dichlorobromomethane	83	8.256	8.256	0.000	98	16957	0.2000	0.2044	
77 2-Nitropropane	41	8.549	8.543	0.006	97	9327	1.00	0.9298	
78 1-Bromo-2-chloroethane	63	8.665	8.653	0.012	97	13700	0.2000	0.1985	
80 cis-1,3-Dichloropropene	75	8.848	8.829	0.019	95	18411	0.2000	0.1809	
82 4-Methyl-2-pentanone (MIBK)	43	9.043	9.037	0.006	96	74433	2.00	1.80	
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	93	2175252	10.0	9.91	
84 Toluene	92	9.256	9.250	0.006	99	34097	0.2000	0.2014	
85 trans-1,3-Dichloropropene	75	9.579	9.555	0.024	91	14546	0.2000	0.1718	
86 Ethyl methacrylate	69	9.652	9.634	0.018	89	12585	0.2000	0.1836	
87 1,1,2-Trichloroethane	97	9.774	9.768	0.006	89	11398	0.2000	0.2263	M
88 Tetrachloroethene	166	9.853	9.854	-0.001	97	15934	0.2000	0.1993	
89 1,3-Dichloropropane	76	9.951	9.945	0.006	92	15458	0.2000	0.1906	
106 2-Hexanone	43	10.042	10.018	0.024	96	36242	2.00	1.35	
S 107 1,3-Dichloropropene, Total	100				0			0.3526	
108 Chlorodibromomethane	129	10.177	10.171	0.006	90	12131	0.2000	0.1913	
110 Ethylene Dibromide	107	10.286	10.280	0.006	97	9215	0.2000	0.1944	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.743	0.001	85	1838678	10.0	10.0	
112 1-Chlorohexane	91	10.768	10.768	0.000	70	22875	0.2000	0.2368	
113 Chlorobenzene	112	10.774	10.774	0.000	96	40027	0.2000	0.1986	
114 1,1,1,2-Tetrachloroethane	131	10.865	10.859	0.006	89	13816	0.2000	0.1973	
115 Ethylbenzene	91	10.872	10.866	0.006	98	62070	0.2000	0.1900	

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	10.993	10.987	0.006	97	52360	0.4000	0.3960	
S 117 Xylenes, Total	106				0			0.5906	
118 o-Xylene	106	11.335	11.335	0.000	96	25501	0.2000	0.1947	
119 Styrene	104	11.359	11.353	0.006	95	39056	0.2000	0.1826	
120 Bromoform	173	11.512	11.506	0.006	97	7029	0.2000	0.1757	
121 Isopropylbenzene	105	11.652	11.646	0.006	95	65642	0.2000	0.1952	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	94	925317	10.0	9.86	
125 Bromobenzene	156	11.914	11.908	0.006	88	17167	0.2000	0.1957	
126 1,1,2,2-Tetrachloroethane	83	11.914	11.908	0.006	76	12529	0.2000	0.1968	M
127 trans-1,4-Dichloro-2-butene	53	11.951	11.932	0.019	84	23587	2.00	1.54	
128 1,2,3-Trichloropropane	110	11.957	11.951	0.006	78	3369	0.2000	0.2012	
129 N-Propylbenzene	91	11.993	11.987	0.006	99	76970	0.2000	0.1971	
130 2-Chlorotoluene	126	12.066	12.060	0.006	97	16756	0.2000	0.1986	
131 1,3,5-Trimethylbenzene	105	12.134	12.134	0.000	95	56055	0.2000	0.1914	
132 4-Chlorotoluene	126	12.164	12.158	0.006	97	16588	0.2000	0.1906	
133 tert-Butylbenzene	134	12.377	12.377	0.000	93	13074	0.2000	0.1943	
134 Pentachloroethane	167	12.408	12.408	0.000	87	9964	0.2000	0.1814	
135 1,2,4-Trimethylbenzene	105	12.426	12.420	0.006	97	57985	0.2000	0.1919	
136 sec-Butylbenzene	105	12.548	12.542	0.006	94	72983	0.2000	0.1966	
137 1,3-Dichlorobenzene	146	12.652	12.640	0.012	98	32480	0.2000	0.1907	
138 4-Isopropyltoluene	119	12.658	12.658	0.000	97	64543	0.2000	0.1945	
* 139 1,4-Dichlorobenzene-d4	152	12.700	12.700	0.000	94	1137326	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.719	12.719	0.000	91	32469	0.2000	0.1893	
141 1,2,3-Trimethylbenzene	120	12.731	12.731	0.000	97	28408	0.2000	0.2028	
142 Benzyl chloride	126	12.810	12.798	0.012	99	3850	0.2000	0.1486	
145 p-Diethylbenzene	119	12.938	12.932	0.006	96	38123	0.2000	0.1866	
143 n-Butylbenzene	92	12.957	12.957	0.000	97	26696	0.2000	0.1729	
144 1,2-Dichlorobenzene	146	12.993	12.981	0.012	98	28109	0.2000	0.1768	
148 1,2-Dibromo-3-Chloropropane	155	13.554	13.536	0.018	89	1429	0.2000	0.1663	
149 1,3,5-Trichlorobenzene	180	13.670	13.664	0.006	97	24365	0.2000	0.1823	
150 1,2,4-Trichlorobenzene	180	14.109	14.091	0.018	94	16735	0.2000	0.1640	
151 Hexachlorobutadiene	225	14.176	14.176	0.000	96	12627	0.2000	0.2101	
152 Naphthalene	128	14.292	14.273	0.019	96	27789	0.2000	0.1699	
153 1,2,3-Trichlorobenzene	180	14.432	14.420	0.012	94	13366	0.2000	0.1655	
154 2-Methylnaphthalene	142	15.041	15.017	0.024	90	5713	0.2000	0.2878	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00075

Amount Added: 2.00

Units: uL

MSV_LL_#2_826_00083

Amount Added: 2.00

Units: uL

MSV_LL_GAS826_00148

Amount Added: 2.00

Units: uL

MSV_HP25_ISSS_00068

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X12.D

Injection Date: 01-May-2023 19:00:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: IC std1 0.2

Worklist Smp#: 13

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

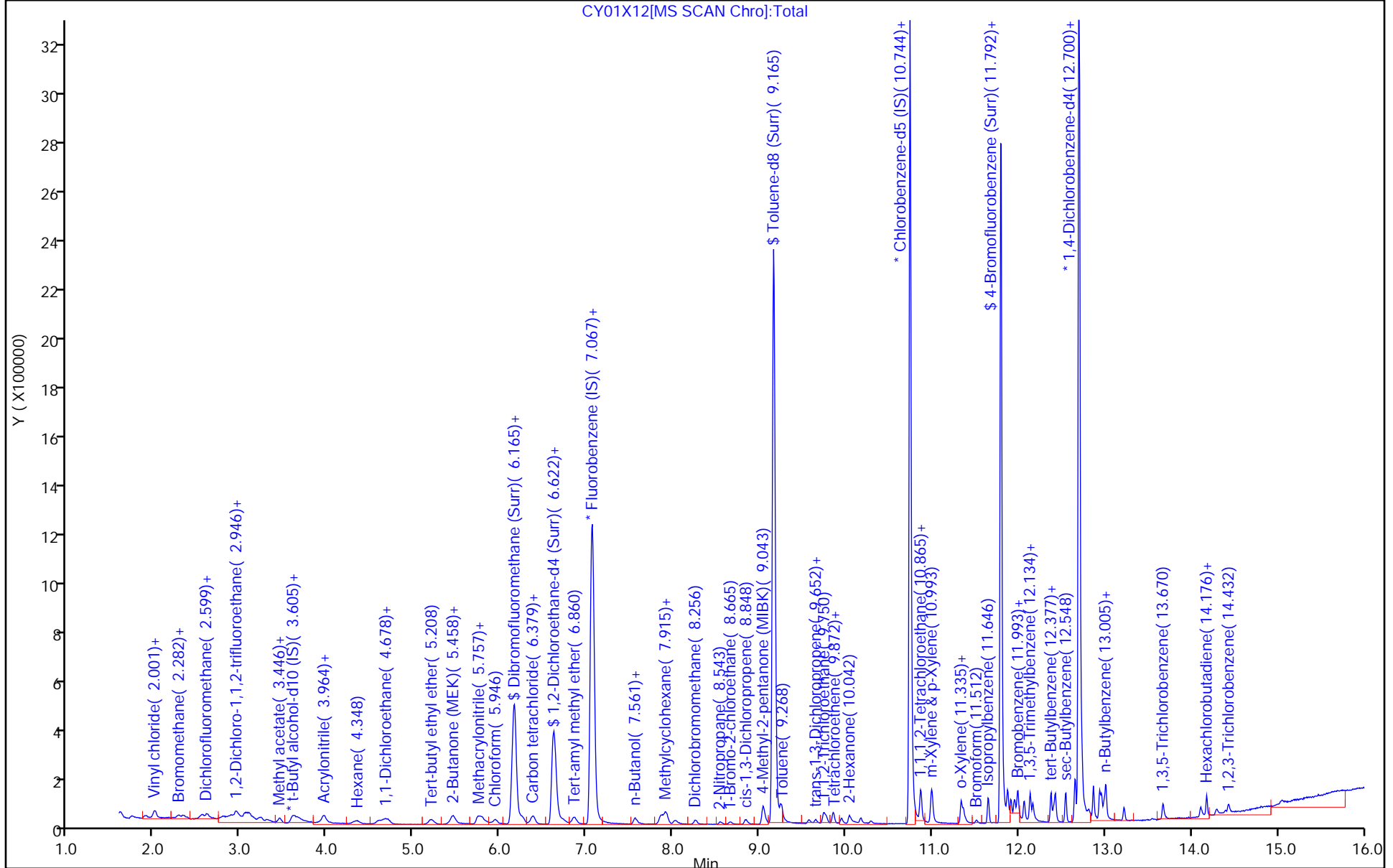
ALS Bottle#: 12

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



Eurofins Lancaster Laboratories Environment Testing, LLC

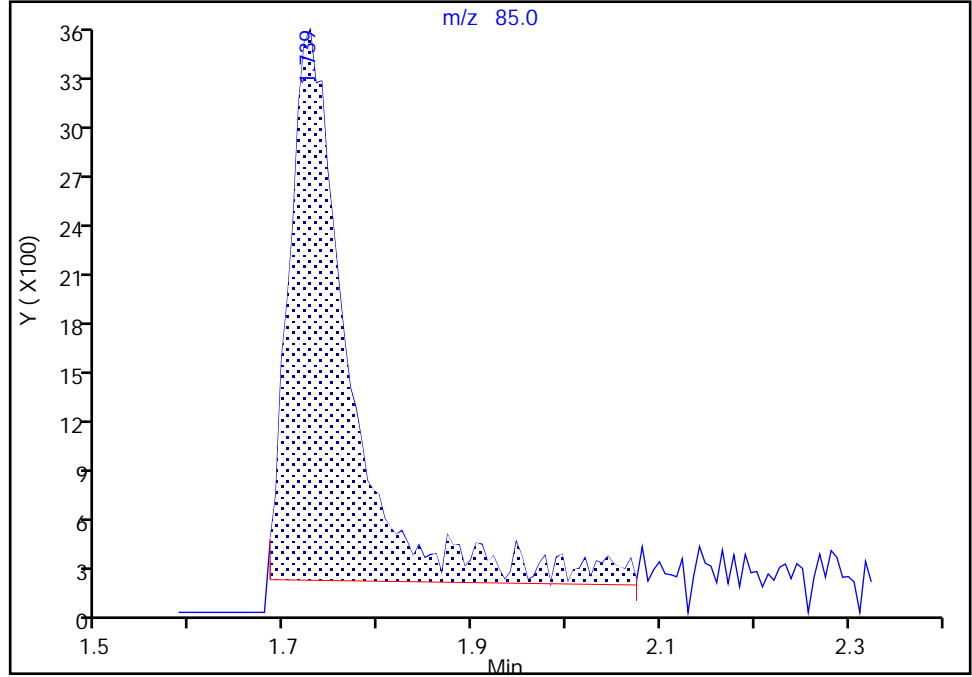
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Injection Date: 01-May-2023 19:00:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

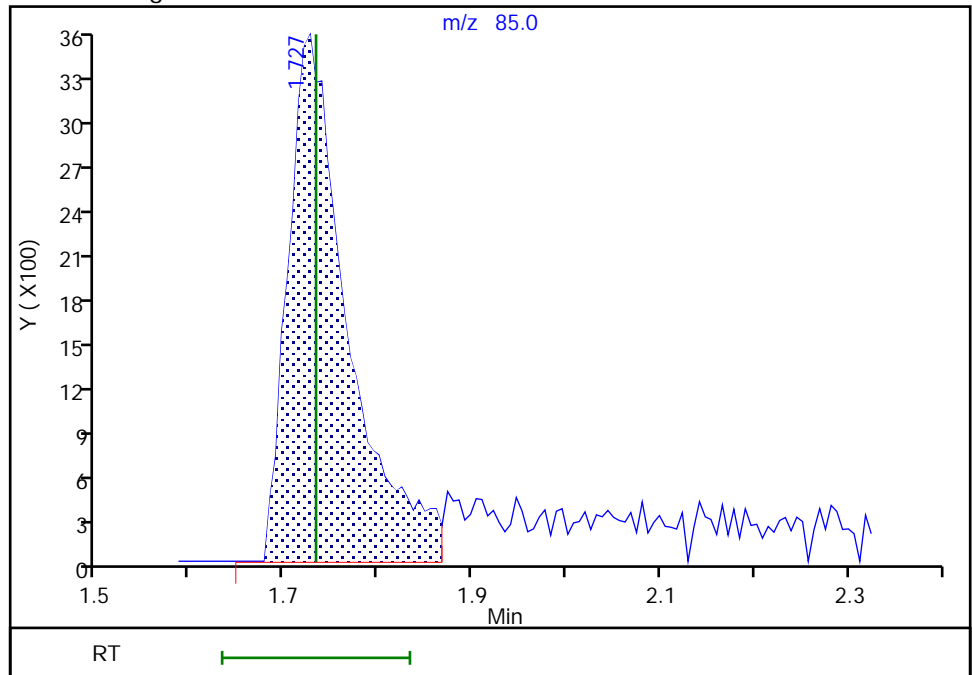
RT: 1.74
Area: 15075
Amount: 0.235263
Amount Units: ug/l

Processing Integration Results



RT: 1.73
Area: 15489
Amount: 0.210973
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 07:56:05 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

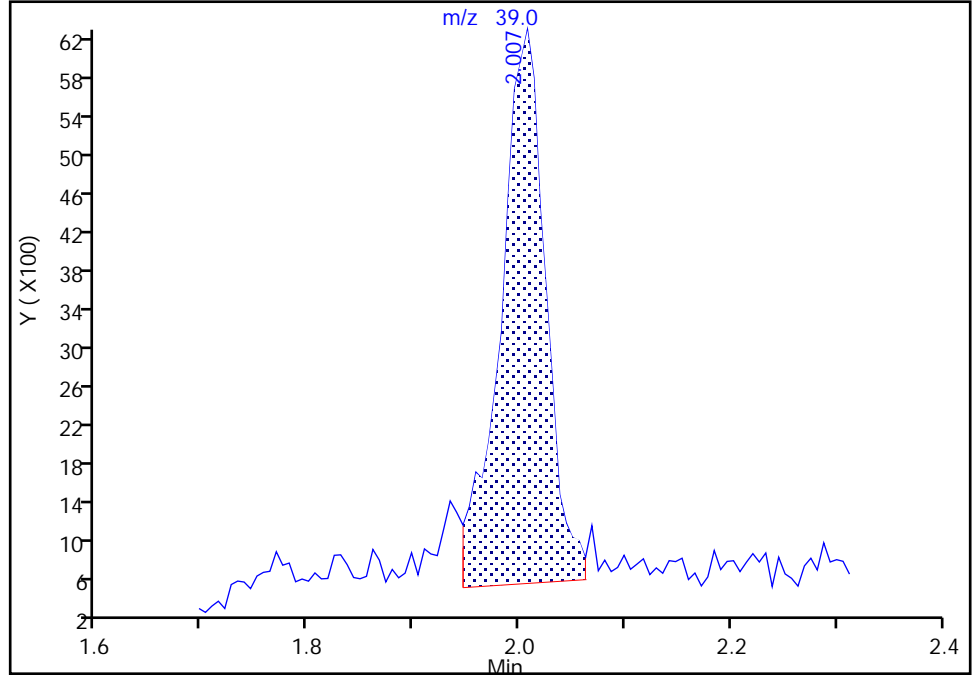
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Injection Date: 01-May-2023 19:00:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

7 Butadiene, CAS: 106-99-0

Signal: 1

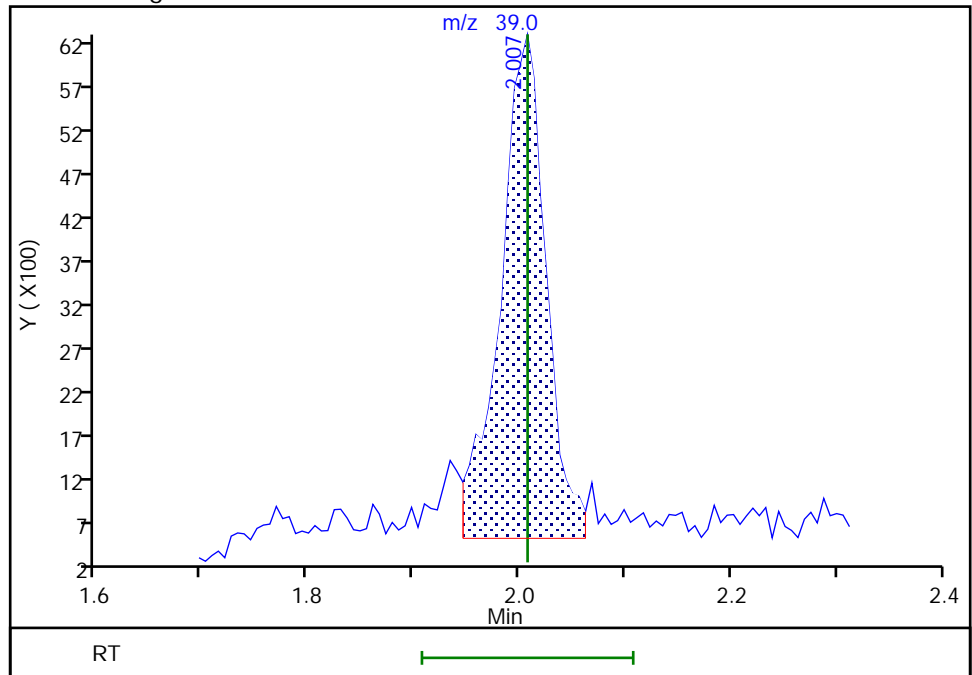
RT: 2.01
Area: 17042
Amount: 0.223413
Amount Units: ug/l

Processing Integration Results



RT: 2.01
Area: 17372
Amount: 0.227038
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 07:56:21 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

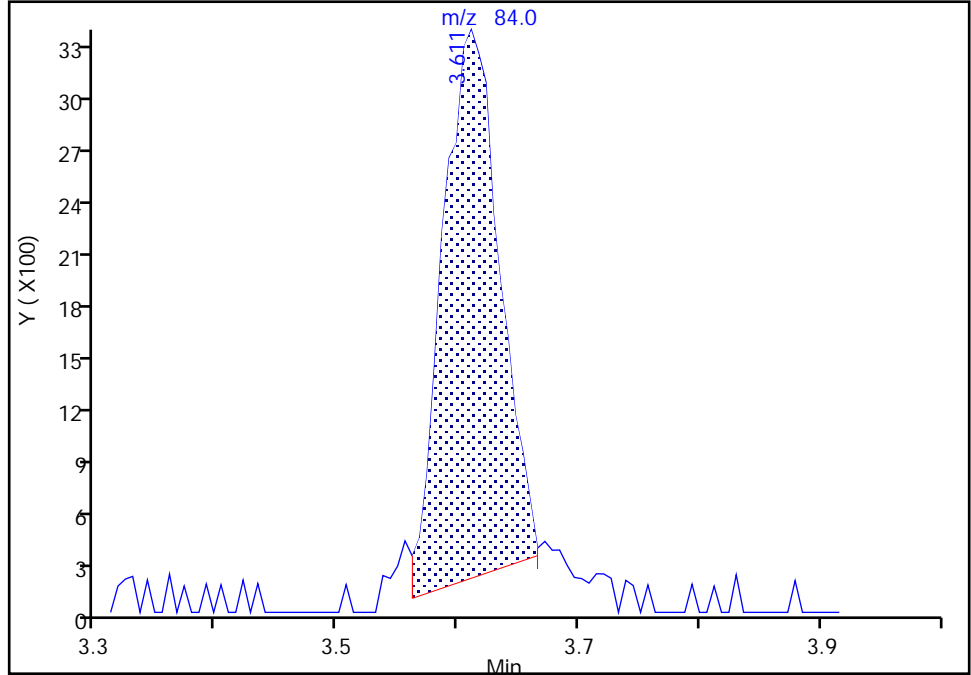
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Injection Date: 01-May-2023 19:00:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

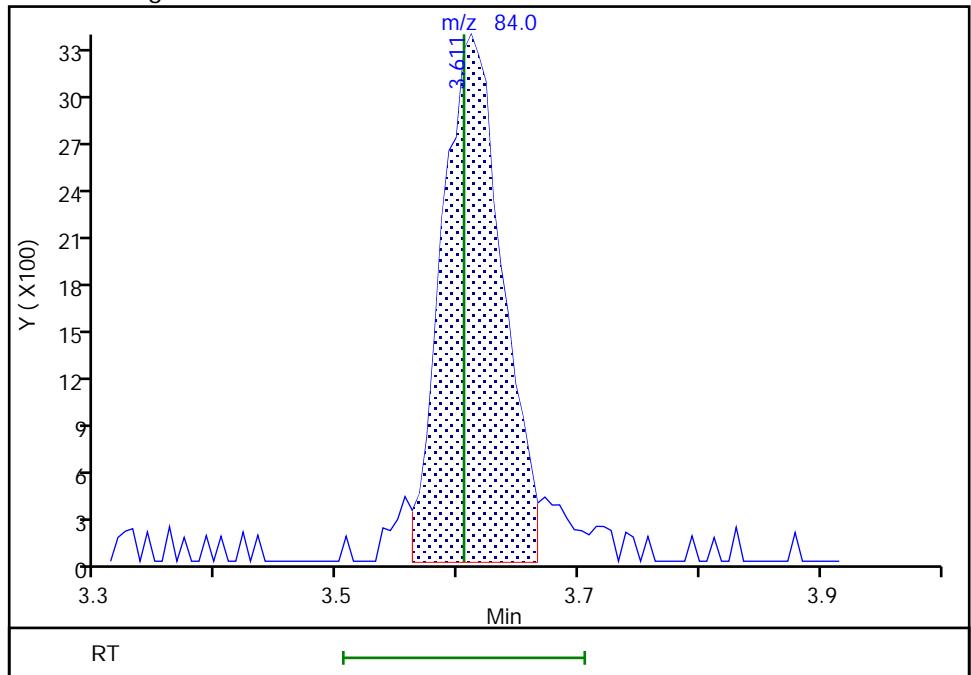
RT: 3.61
Area: 10467
Amount: 0.179153
Amount Units: ug/l

Processing Integration Results



RT: 3.61
Area: 11811
Amount: 0.198888
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 07:57:11 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

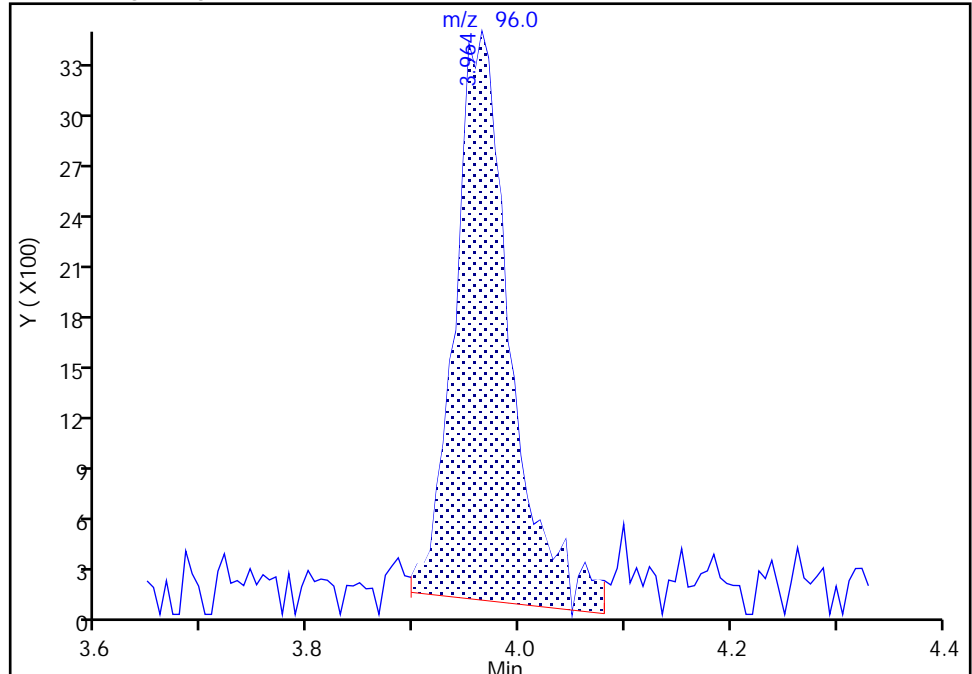
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Injection Date: 01-May-2023 19:00:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

35 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

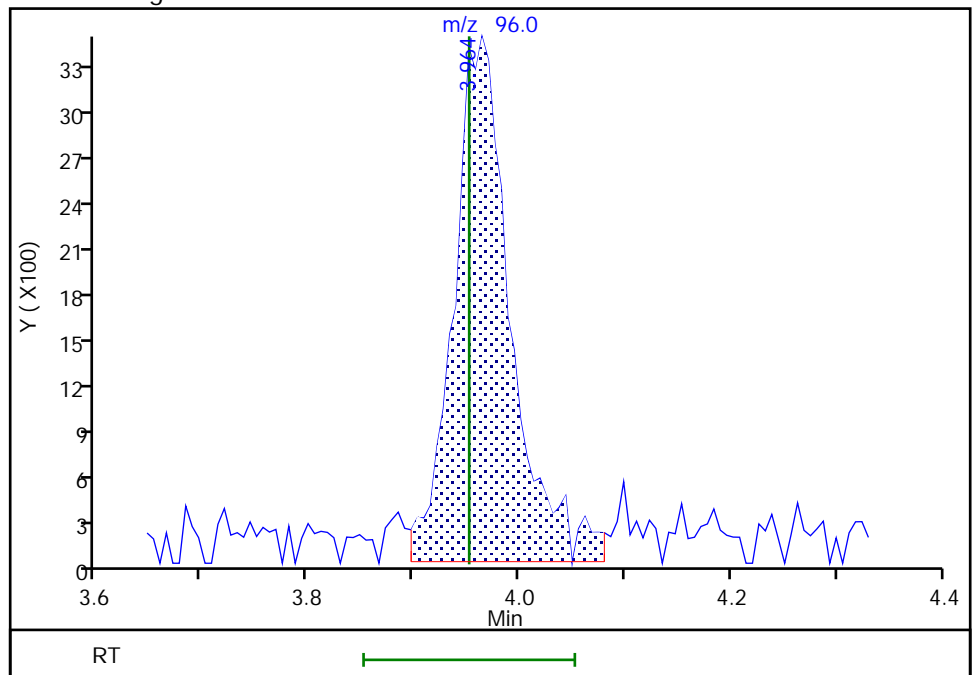
RT: 3.96
Area: 12460
Amount: 0.207182
Amount Units: ug/l

Processing Integration Results



RT: 3.96
Area: 13163
Amount: 0.217058
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 07:57:28 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

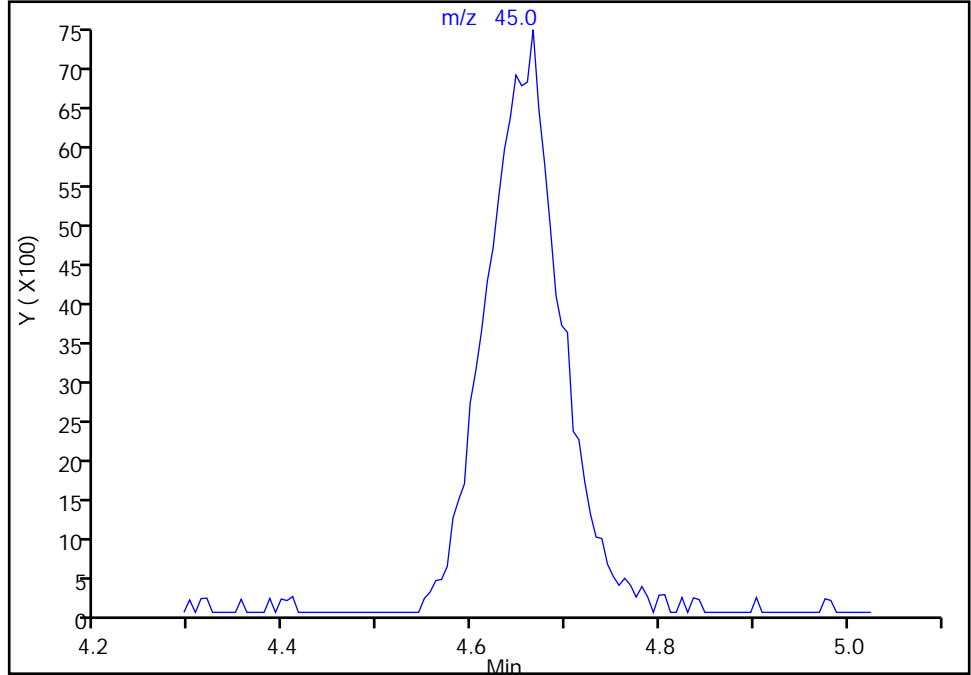
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Injection Date: 01-May-2023 19:00:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

39 Isopropyl ether, CAS: 108-20-3

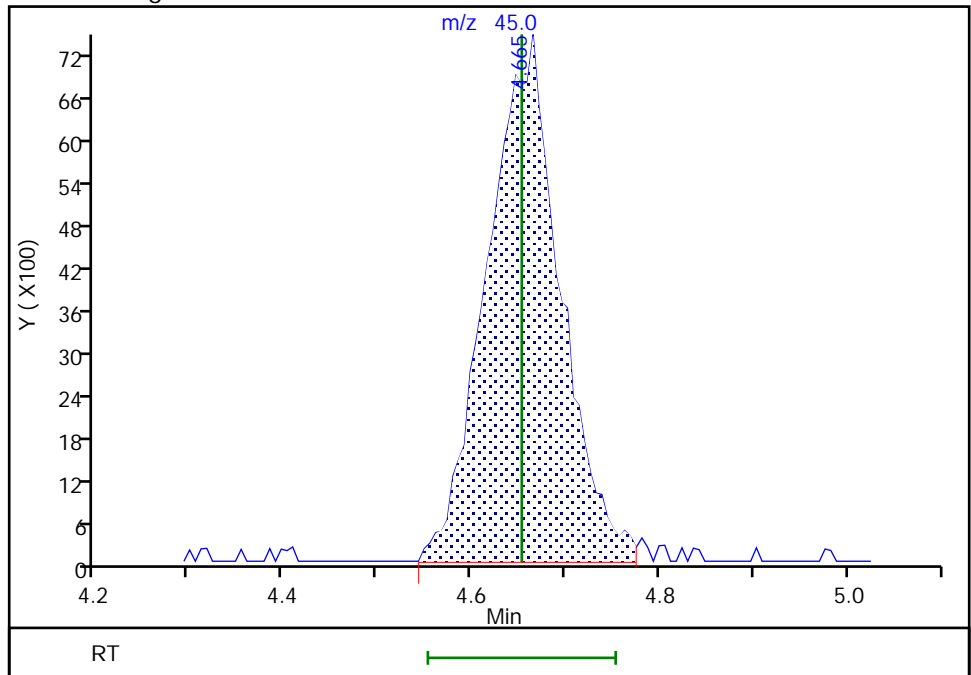
Signal: 1

Not Detected
Expected RT: 4.65

Processing Integration Results



Manual Integration Results



RT: 4.67
Area: 40380
Amount: 0.202540
Amount Units: ug/l

Reviewer: DVW2, 02-May-2023 07:57:33 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

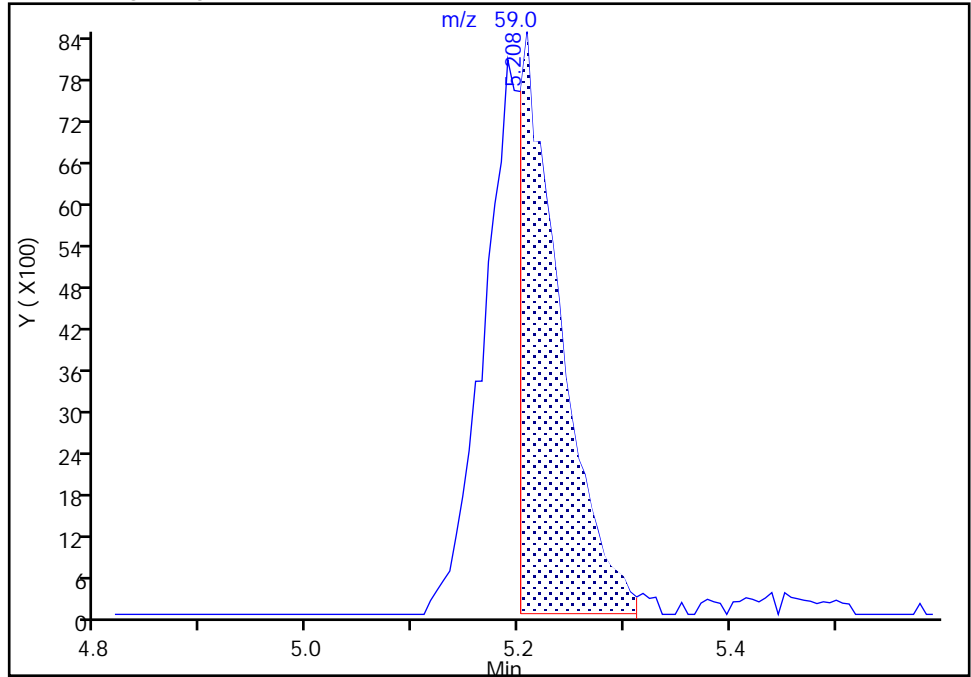
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Injection Date: 01-May-2023 19:00:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

41 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

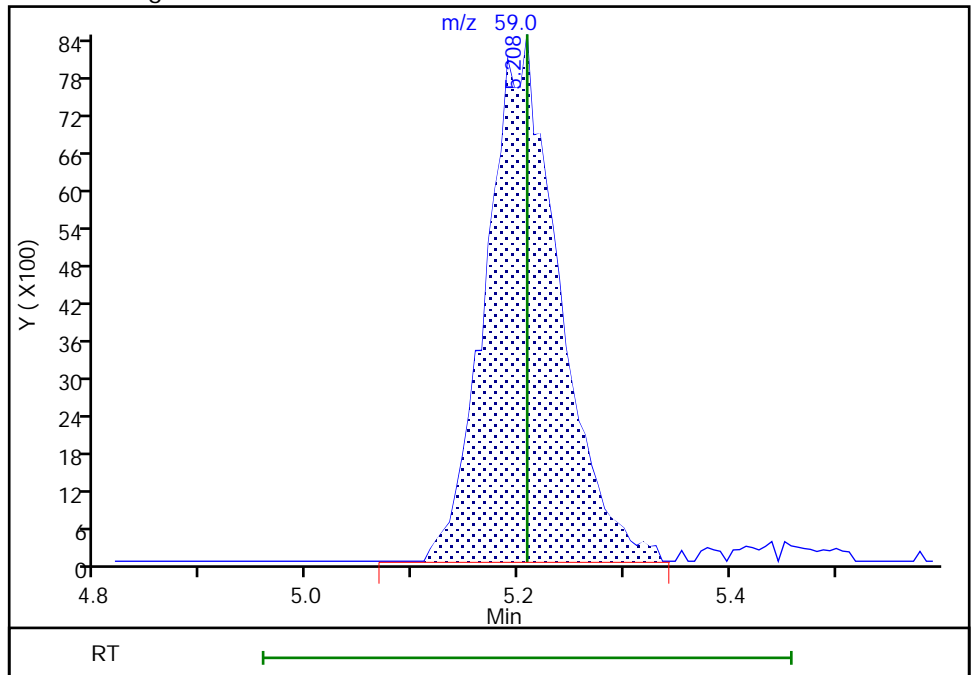
RT: 5.21
Area: 22715
Amount: 0.120550
Amount Units: ug/l

Processing Integration Results



RT: 5.21
Area: 40120
Amount: 0.199741
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 07:57:39 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

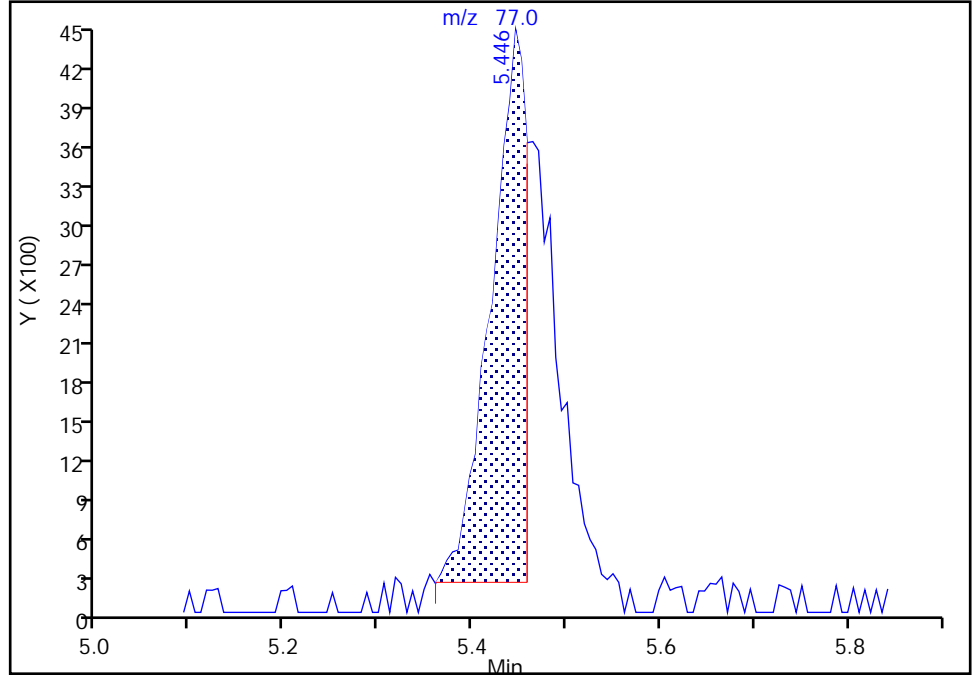
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Injection Date: 01-May-2023 19:00:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

44 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

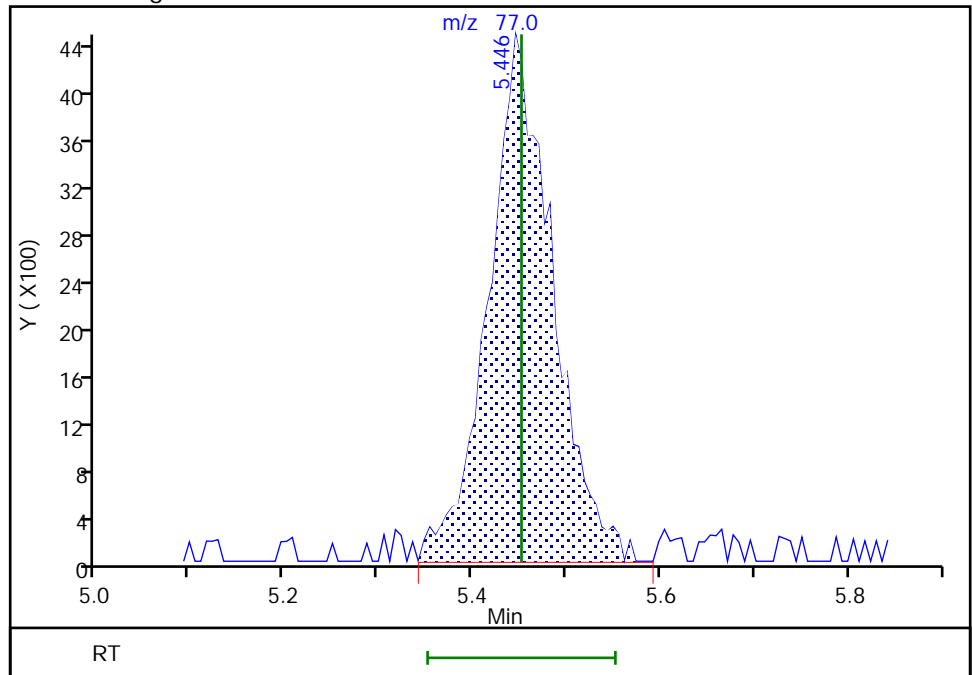
RT: 5.45
Area: 11001
Amount: 0.230483
Amount Units: ug/l

Processing Integration Results



RT: 5.45
Area: 20875
Amount: 0.214867
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 07:57:45 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins Lancaster Laboratories Environment Testing, LLC

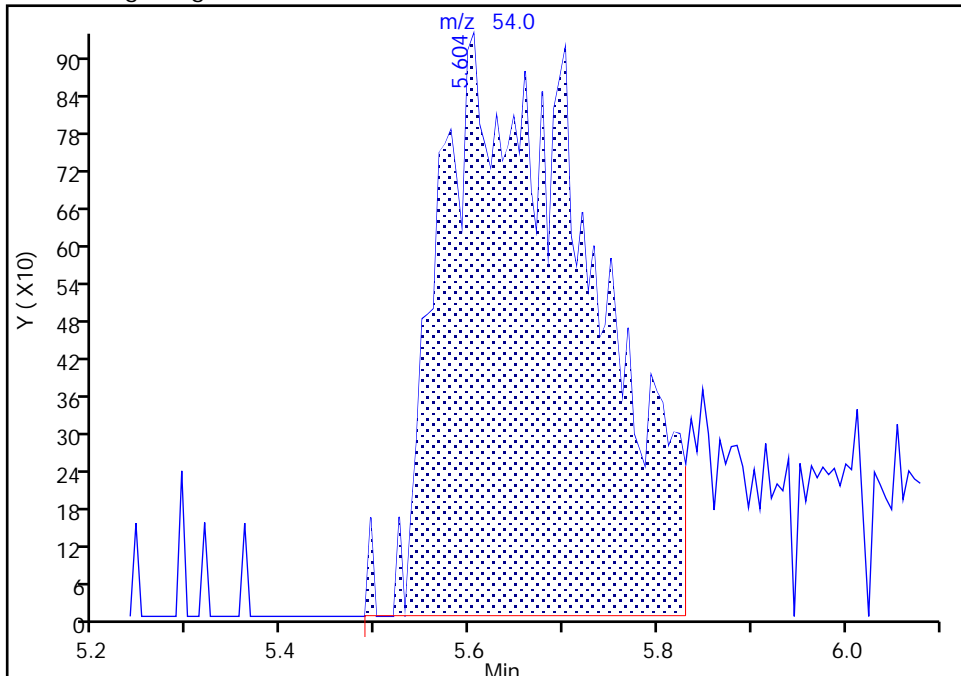
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Injection Date: 01-May-2023 19:00:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

45 Propionitrile, CAS: 107-12-0

Signal: 1

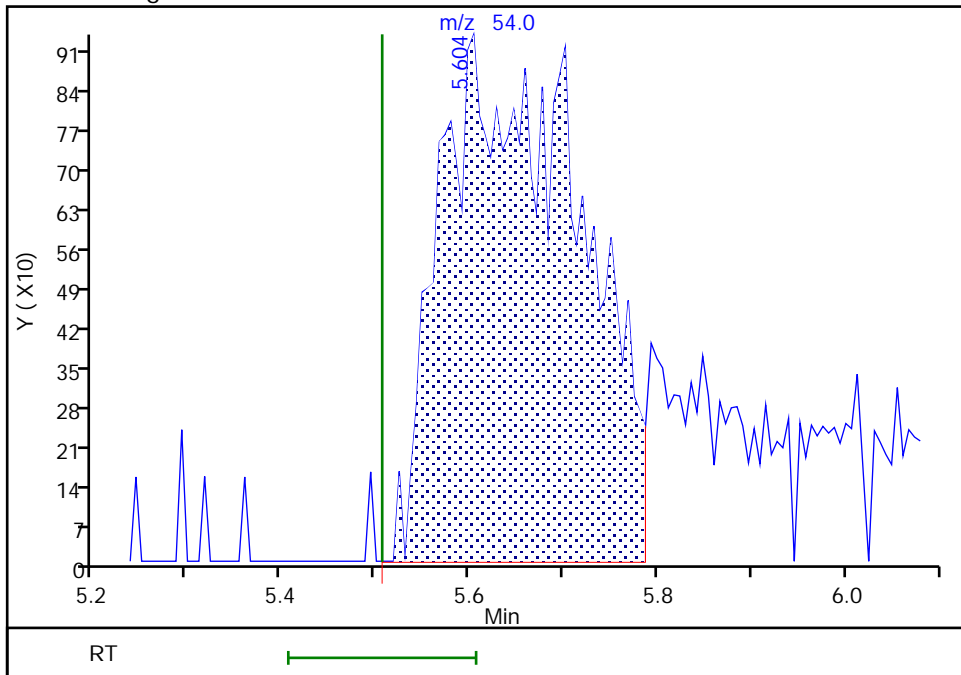
RT: 5.60
Area: 10467
Amount: 3.104403
Amount Units: ug/l

Processing Integration Results



RT: 5.60
Area: 9604
Amount: 2.953640
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 07:58:09 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

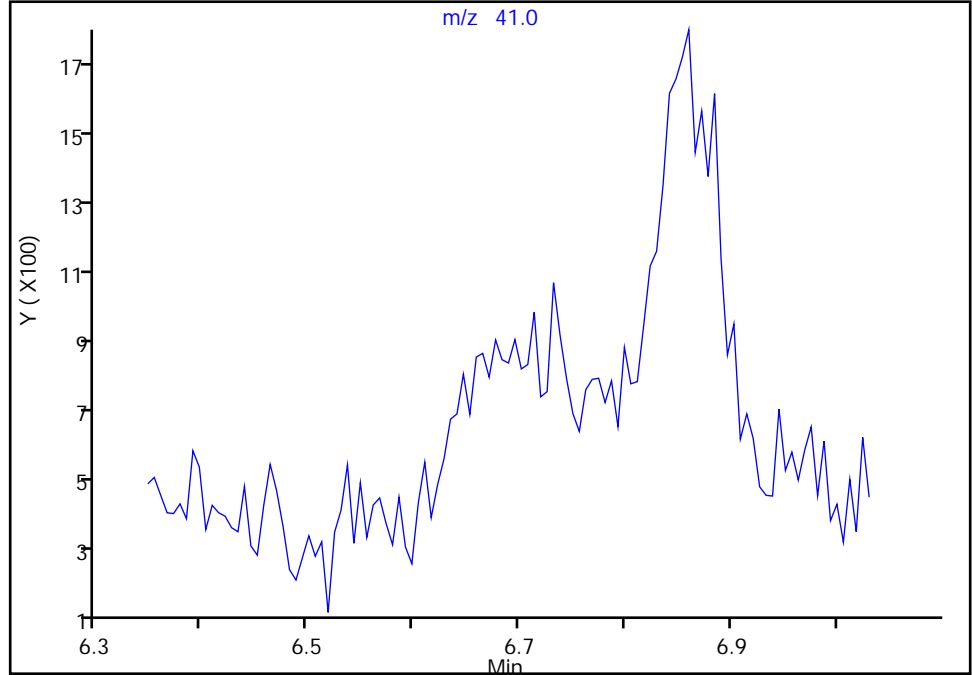
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X12.D
Injection Date: 01-May-2023 19:00:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

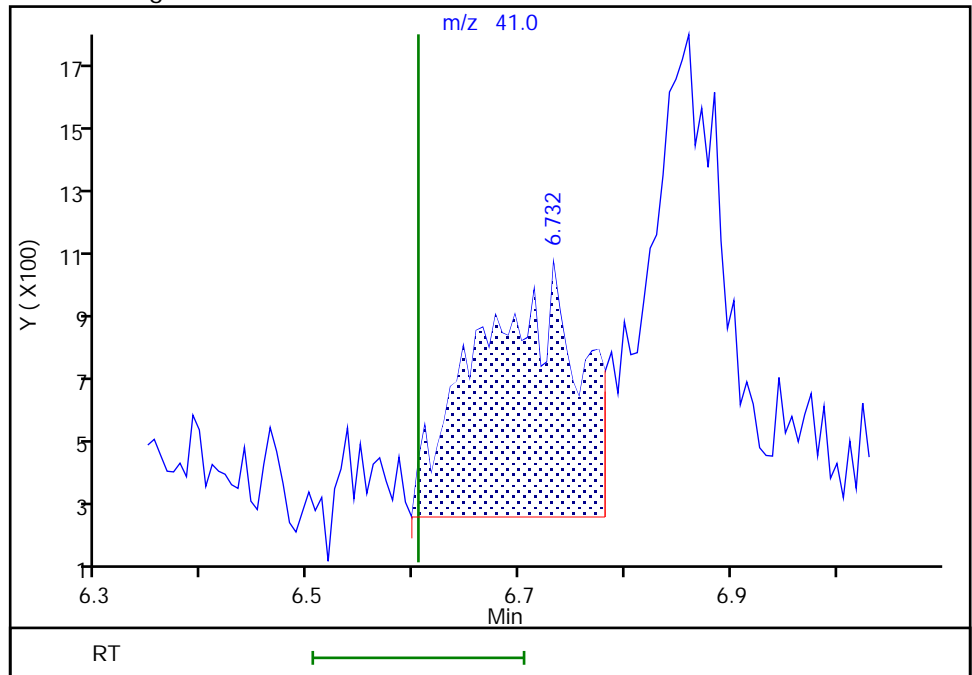
Not Detected
Expected RT: 6.60

Processing Integration Results



Manual Integration Results

RT: 6.73
Area: 5069
Amount: 6.643938
Amount Units: ug/l



Reviewer: DVW2, 02-May-2023 07:58:25 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

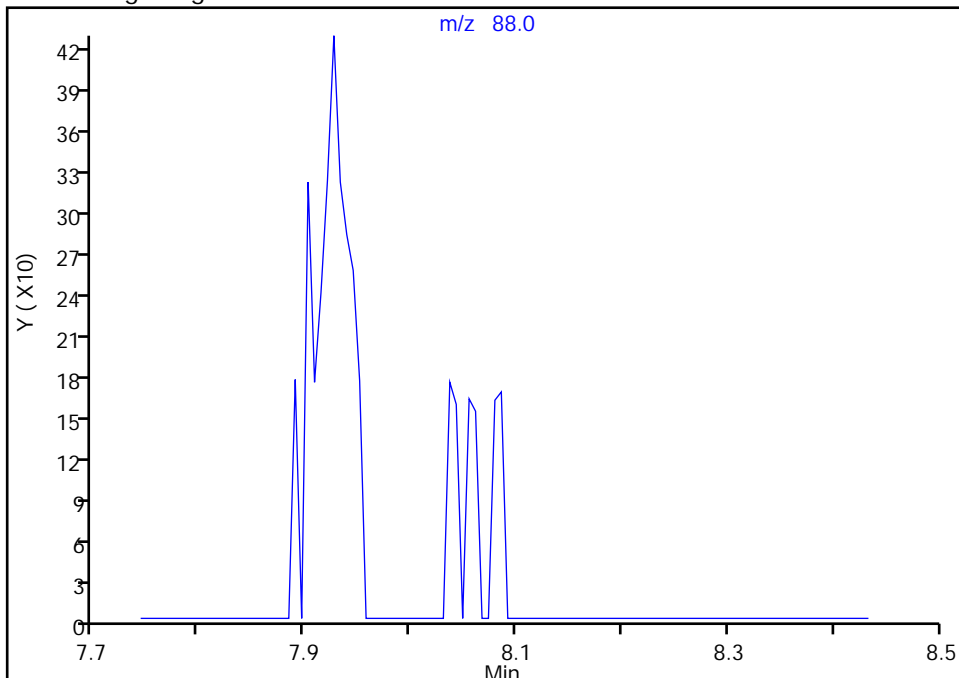
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Injection Date: 01-May-2023 19:00:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

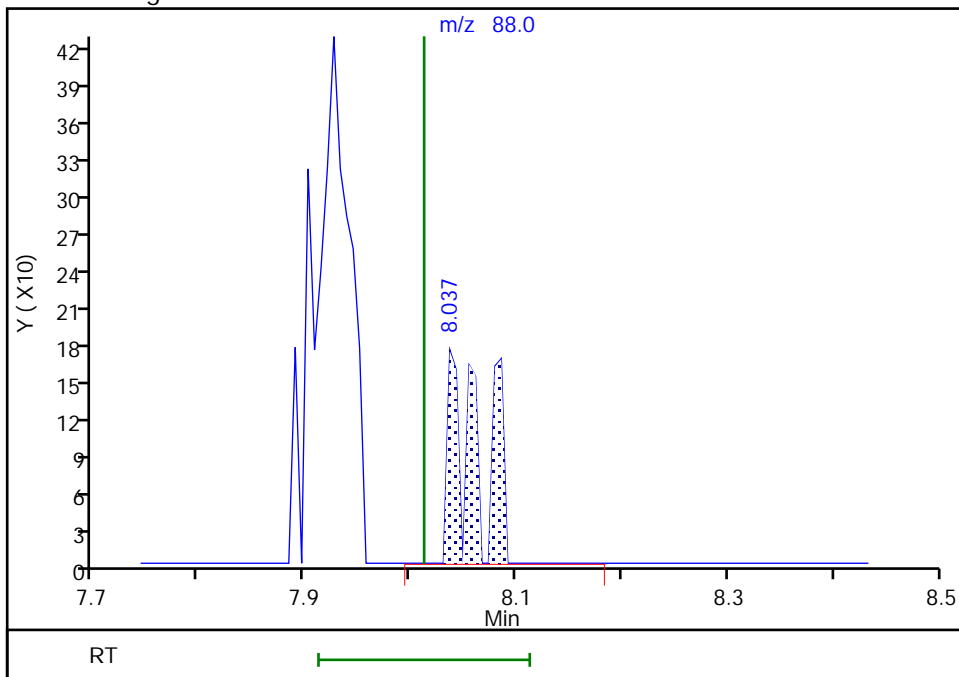
Not Detected
Expected RT: 8.01

Processing Integration Results



Manual Integration Results

RT: 8.04
Area: 350
Amount: 2.096653
Amount Units: ug/l



Reviewer: DVW2, 02-May-2023 07:58:49 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

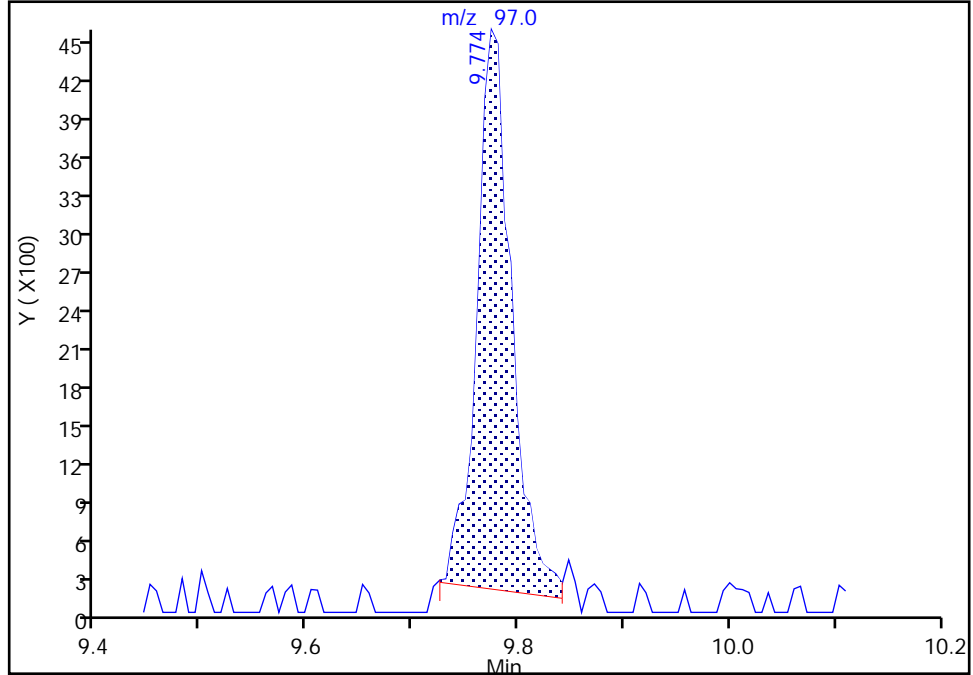
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Injection Date: 01-May-2023 19:00:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

87 1,1,2-Trichloroethane, CAS: 79-00-5

Signal: 1

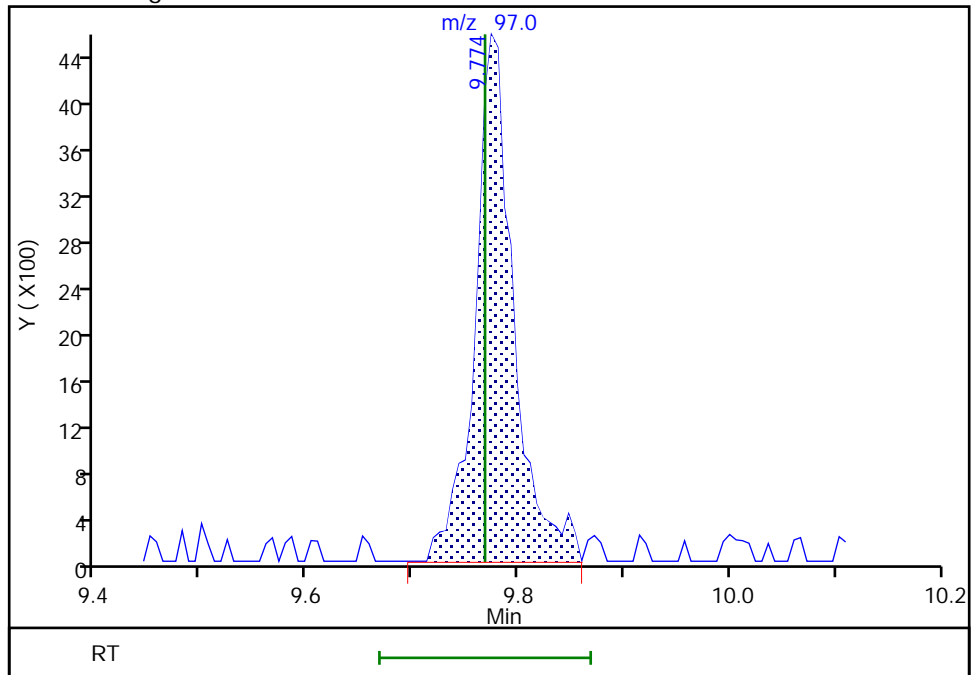
RT: 9.77
Area: 9885
Amount: 0.200573
Amount Units: ug/l

Processing Integration Results



RT: 9.77
Area: 11398
Amount: 0.226310
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 07:59:04 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

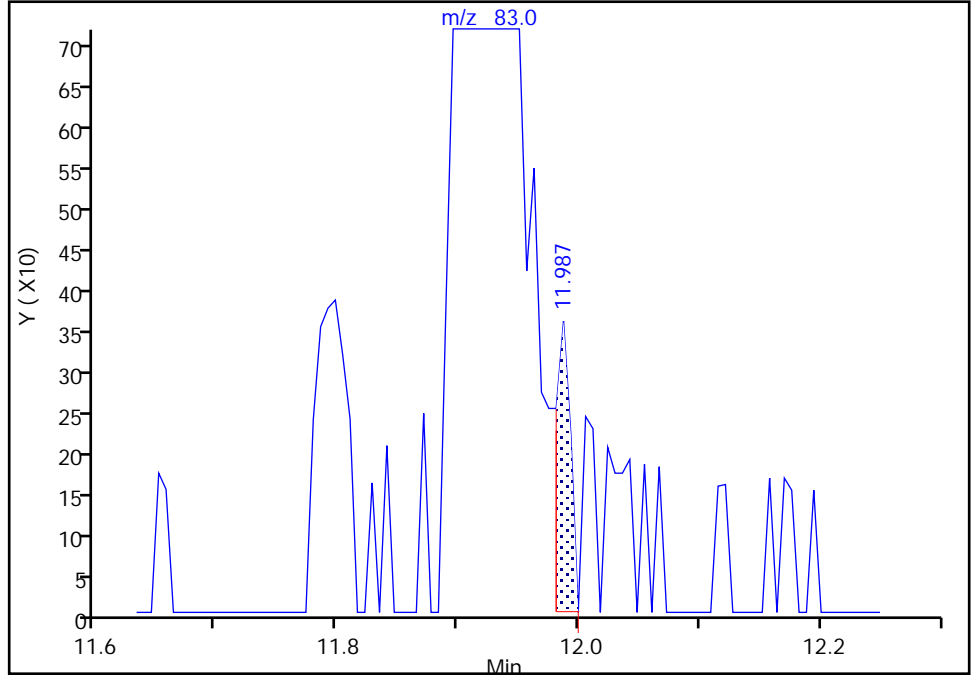
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Injection Date: 01-May-2023 19:00:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

126 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

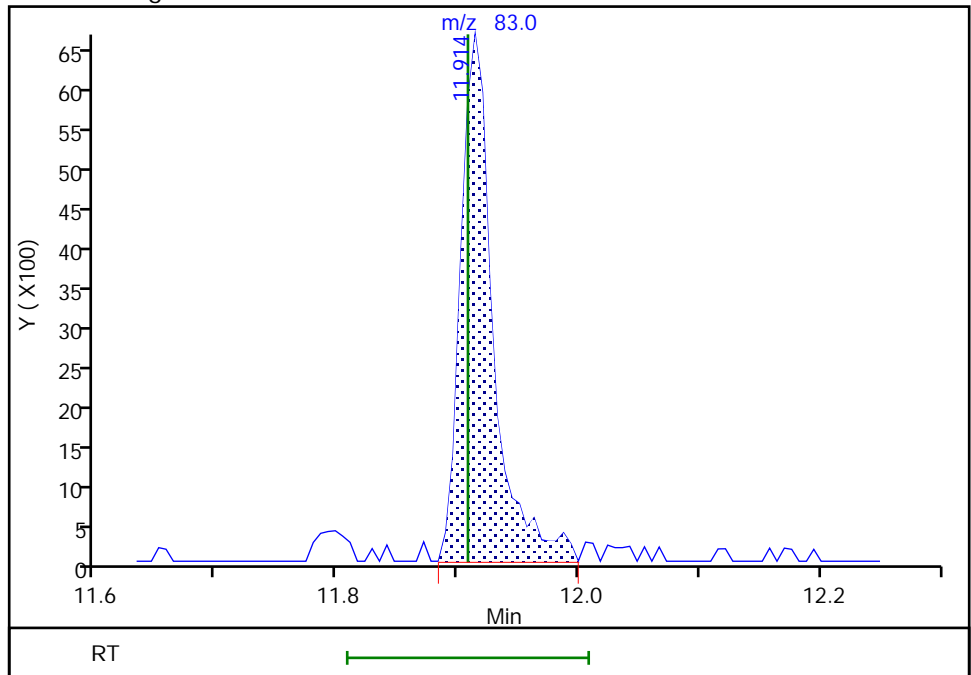
RT: 11.99
Area: 304
Amount: 0.133764
Amount Units: ug/l

Processing Integration Results



RT: 11.91
Area: 12529
Amount: 0.196789
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 03-May-2023 08:24:25 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X13.D
 Lims ID: IC std2 0.5
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 01-May-2023 19:22:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0082854-014
 Misc. Info.: IC STD2 0.5
 Operator ID: knk41612 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 07:27:40 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1625

First Level Reviewer: DVW2 Date: 02-May-2023 08:02:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.733	1.733	0.000	99	35260	0.5000	0.4843	
5 Chloromethane	50	1.898	1.898	0.000	98	45994	0.5000	0.5386	
6 Vinyl chloride	62	1.989	1.995	-0.006	83	42328	0.5000	0.5185	
7 Butadiene	39	2.001	2.008	-0.007	94	39408	0.5000	0.5193	
9 Bromomethane	94	2.276	2.282	-0.006	92	29180	0.5000	0.5246	
10 Chloroethane	64	2.337	2.337	0.000	100	25831	0.5000	0.5385	
11 Dichlorofluoromethane	67	2.556	2.556	0.000	97	60460	0.5000	0.5347	
12 Trichlorofluoromethane	101	2.617	2.605	0.012	95	49023	0.5000	0.5016	
13 Pentane	43	2.605	2.611	-0.006	97	38805	0.5000	0.4835	
14 Ethyl ether	59	2.794	2.788	0.006	91	26090	0.5000	0.5169	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.873	2.879	-0.006	92	35291	0.5000	0.5084	
17 Acrolein	56	2.940	2.934	0.006	99	167950	25.0	25.8	
18 1,1-Dichloroethene	96	3.050	3.050	0.000	97	25797	0.5000	0.5246	
20 Acetone	43	3.093	3.074	0.019	94	43563	5.00	5.89	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.080	3.093	-0.013	91	24541	0.5000	0.4914	
22 Iodomethane	142	3.215	3.215	0.000	99	53121	0.5000	0.5174	
24 Isopropyl alcohol	45	3.208	3.227	-0.019	29	17834	10.0	12.4	M
23 Ethyl bromide	108	3.239	3.239	0.000	97	25191	0.5010	0.5085	
25 Carbon disulfide	76	3.306	3.300	0.006	99	87456	0.5000	0.5114	
26 Methyl acetate	43	3.452	3.428	0.024	25	16044	0.5000	0.6762	M
29 3-Chloro-1-propene	41	3.452	3.446	0.006	90	43835	0.5000	0.4964	
30 Methylene Chloride	84	3.605	3.605	0.000	90	31232	0.5000	0.5303	
* 31 t-Butyl alcohol-d10 (IS)	65	3.654	3.672	-0.018	95	155237	50.0	50.0	
32 2-Methyl-2-propanol	59	3.763	3.769	-0.006	81	32708	10.0	11.0	
33 Acrylonitrile	53	3.946	3.910	0.036	30	14613	1.25	1.36	M
34 Methyl tert-butyl ether	73	3.958	3.952	0.006	95	88410	0.5000	0.5198	
35 trans-1,2-Dichloroethene	96	3.964	3.952	0.012	98	29673	0.5000	0.4934	
36 Hexane	57	4.336	4.349	-0.013	92	37594	0.5000	0.4923	
37 1,1-Dichloroethane	63	4.592	4.586	0.006	96	56143	0.5000	0.5159	
39 Isopropyl ether	45	4.653	4.653	0.000	93	100940	0.5000	0.5105	

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	4.702	4.696	0.006	91	43776	0.5000	0.4961	
41 Tert-butyl ethyl ether	59	5.202	5.208	-0.006	98	103206	0.5000	0.5181	
42 2-Butanone (MEK)	43	5.440	5.409	0.031	93	75588	5.00	5.16	
43 cis-1,2-Dichloroethene	96	5.452	5.446	0.006	83	34405	0.5000	0.5234	
44 2,2-Dichloropropane	77	5.440	5.452	-0.012	70	56676	0.5000	0.5883	M
45 Propionitrile	54	5.580	5.507	0.073	97	33000	10.0	10.3	
47 Methacrylonitrile	67	5.738	5.720	0.018	91	74821	5.00	4.76	
48 Chlorobromomethane	128	5.787	5.781	0.006	92	16007	0.5000	0.5230	
49 Tetrahydrofuran	71	5.818	5.787	0.031	78	11551	2.50	2.46	
50 Chloroform	83	5.946	5.940	0.006	94	55713	0.5000	0.5118	
S 52 1,2-Dichloroethene, Total	100				0			1.02	
53 1,1,1-Trichloroethane	97	6.165	6.159	0.006	40	50532	0.5000	0.5265	
\$ 54 Dibromofluoromethane (Surr)	113	6.165	6.165	0.000	94	506048	10.0	10.0	
55 Cyclohexane	56	6.257	6.257	0.000	91	47382	0.5000	0.4859	
56 Carbon tetrachloride	117	6.373	6.373	-0.001	95	41212	0.5000	0.5016	
57 1,1-Dichloropropene	75	6.379	6.379	0.000	93	40852	0.5000	0.5024	
58 Isobutyl alcohol	41	6.647	6.604	0.043	37	14381	25.0	19.1	a
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.616	6.616	0.000	99	100392	10.0	10.1	
60 Benzene	78	6.653	6.647	0.006	95	128118	0.5000	0.5157	
61 1,2-Dichloroethane	62	6.726	6.720	0.006	96	38755	0.5000	0.5401	
64 Tert-amyl methyl ether	73	6.854	6.860	-0.006	99	95355	0.5000	0.5187	
* 65 Fluorobenzene (IS)	96	7.061	7.055	0.006	99	1943779	10.0	10.0	
66 n-Heptane	43	7.092	7.086	0.006	38	38048	0.5000	0.4767	
67 n-Butanol	56	7.726	7.531	0.195	84	11423	43.8	55.6	Ma
68 Trichloroethene	95	7.567	7.555	0.012	97	33901	0.5000	0.5146	
69 Methylcyclohexane	83	7.854	7.860	-0.006	90	49668	0.5000	0.4701	
70 1,2-Dichloropropane	63	7.897	7.891	0.006	96	32334	0.5000	0.4960	
71 2-ethoxy-2-methyl butane	87	7.921	7.927	-0.006	94	53201	0.5000	0.5086	
72 Dibromomethane	93	8.025	8.006	0.019	94	16330	0.5000	0.5067	
73 Methyl methacrylate	69	8.025	8.006	0.019	91	14007	0.5000	0.4530	
74 1,4-Dioxane	88	8.037	8.012	0.025	29	2988	25.0	18.2	M
76 Dichlorobromomethane	83	8.256	8.256	0.000	99	40733	0.5000	0.4951	
77 2-Nitropropane	41	8.543	8.543	0.000	98	24239	2.50	2.45	
78 1-Bromo-2-chloroethane	63	8.653	8.653	0.000	98	33507	0.5000	0.4896	
80 cis-1,3-Dichloropropene	75	8.835	8.829	0.006	95	49009	0.5000	0.4855	
82 4-Methyl-2-pentanone (MIBK)	43	9.043	9.037	0.006	96	197423	5.00	4.86	
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	93	2171926	10.0	9.97	
84 Toluene	92	9.256	9.250	0.006	98	86488	0.5000	0.5150	
85 trans-1,3-Dichloropropene	75	9.573	9.555	0.018	94	38401	0.5000	0.4572	
86 Ethyl methacrylate	69	9.652	9.634	0.018	89	31928	0.5000	0.4696	
87 1,1,2-Trichloroethane	97	9.774	9.768	0.006	91	25687	0.5000	0.5143	
88 Tetrachloroethene	166	9.854	9.854	0.000	98	40899	0.5000	0.5158	
89 1,3-Dichloropropane	76	9.951	9.945	0.006	92	39718	0.5000	0.4938	
106 2-Hexanone	43	10.030	10.018	0.012	97	117436	5.00	4.43	
S 107 1,3-Dichloropropene, Total	100				0			0.9427	
108 Chlorodibromomethane	129	10.171	10.171	0.000	90	30500	0.5000	0.4851	
110 Ethylene Dibromide	107	10.292	10.280	0.012	98	23841	0.5000	0.5071	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.743	0.001	85	1823359	10.0	10.0	
112 1-Chlorohexane	91	10.768	10.768	0.000	95	47372	0.5000	0.4946	
113 Chlorobenzene	112	10.774	10.774	0.000	97	102941	0.5000	0.5151	
114 1,1,1,2-Tetrachloroethane	131	10.866	10.859	0.007	95	34472	0.5000	0.4965	
115 Ethylbenzene	91	10.872	10.866	0.006	98	164325	0.5000	0.5072	

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	10.994	10.987	0.007	97	132245	1.00	1.01	
S 117 Xylenes, Total	106				0			1.52	
118 o-Xylene	106	11.335	11.335	0.000	97	66998	0.5000	0.5158	
119 Styrene	104	11.359	11.353	0.006	95	104932	0.5000	0.4946	
120 Bromoform	173	11.512	11.506	0.006	97	19481	0.5000	0.4910	
121 Isopropylbenzene	105	11.646	11.646	0.000	96	172814	0.5000	0.5183	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	93	919881	10.0	9.88	
125 Bromobenzene	156	11.908	11.908	0.000	92	44961	0.5000	0.5156	
126 1,1,2,2-Tetrachloroethane	83	11.914	11.908	0.006	89	32088	0.5000	0.5070	
127 trans-1,4-Dichloro-2-butene	53	11.945	11.932	0.013	90	65451	5.00	4.31	
128 1,2,3-Trichloropropane	110	11.957	11.951	0.006	77	8164	0.5000	0.4904	
129 N-Propylbenzene	91	11.987	11.987	0.000	99	195794	0.5000	0.5042	
130 2-Chlorotoluene	126	12.067	12.060	0.006	97	43676	0.5000	0.5206	
131 1,3,5-Trimethylbenzene	105	12.134	12.134	0.000	94	149932	0.5000	0.5149	
132 4-Chlorotoluene	126	12.164	12.158	0.006	97	44763	0.5000	0.5174	
133 tert-Butylbenzene	134	12.377	12.377	0.000	93	35604	0.5000	0.5323	
134 Pentachloroethane	167	12.402	12.408	-0.006	88	27144	0.5000	0.4971	
135 1,2,4-Trimethylbenzene	105	12.426	12.420	0.006	97	148758	0.5000	0.4951	
136 sec-Butylbenzene	105	12.542	12.542	0.000	94	186251	0.5000	0.5047	
137 1,3-Dichlorobenzene	146	12.646	12.640	0.006	98	83617	0.5000	0.4937	
138 4-Isopropyltoluene	119	12.658	12.658	0.000	97	167879	0.5000	0.5090	
* 139 1,4-Dichlorobenzene-d4	152	12.701	12.700	0.001	94	1130639	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.719	12.719	0.000	96	84167	0.5000	0.4935	
141 1,2,3-Trimethylbenzene	120	12.731	12.731	0.000	98	71815	0.5000	0.5158	
142 Benzyl chloride	126	12.810	12.798	0.012	98	10917	0.5000	0.4240	
145 p-Diethylbenzene	119	12.938	12.932	0.006	94	102841	0.5000	0.5063	
143 n-Butylbenzene	92	12.957	12.957	0.000	97	74713	0.5000	0.4869	
144 1,2-Dichlorobenzene	146	12.987	12.981	0.006	99	80550	0.5000	0.5096	
148 1,2-Dibromo-3-Chloropropane	155	13.548	13.536	0.012	84	4012	0.5000	0.4697	
149 1,3,5-Trichlorobenzene	180	13.670	13.664	0.006	97	66748	0.5000	0.5024	
150 1,2,4-Trichlorobenzene	180	14.103	14.091	0.012	94	47499	0.5000	0.4682	
151 Hexachlorobutadiene	225	14.176	14.176	0.000	96	30257	0.5000	0.5064	
152 Naphthalene	128	14.286	14.273	0.013	97	72423	0.5000	0.4454	
153 1,2,3-Trichlorobenzene	180	14.426	14.420	0.006	95	38550	0.5000	0.4802	
154 2-Methylnaphthalene	142	15.035	15.017	0.018	91	23662	0.5000	0.5037	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00075

Amount Added: 2.00

Units: uL

MSV_LL_#2_826_00083

Amount Added: 2.00

Units: uL

MSV_LL_GAS826_00148

Amount Added: 2.00

Units: uL

MSV_HP25_ISSS_00068

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X13.D

Injection Date: 01-May-2023 19:22:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: IC std2 0.5

Worklist Smp#: 14

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

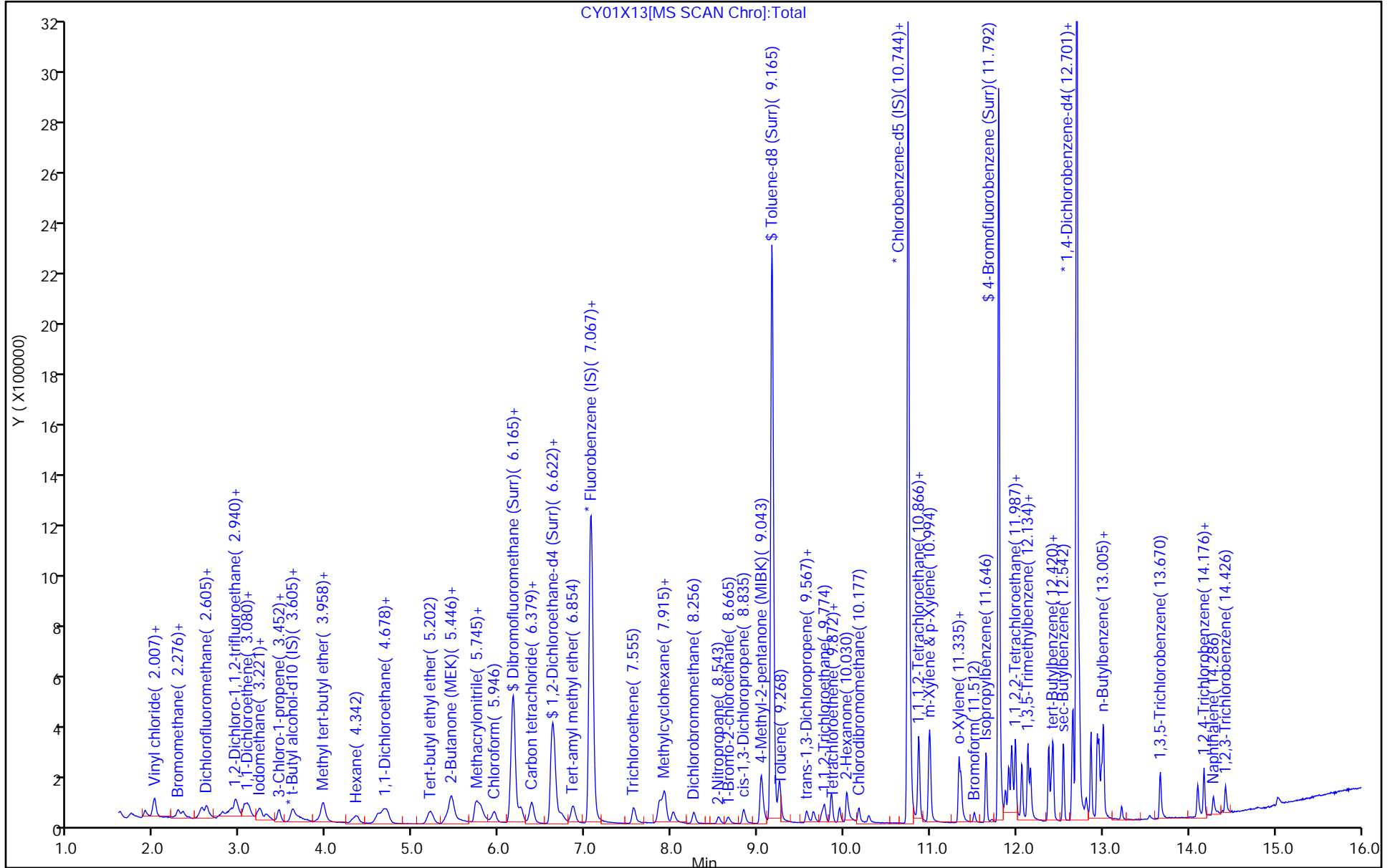
ALS Bottle#: 13

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



Eurofins Lancaster Laboratories Environment Testing, LLC

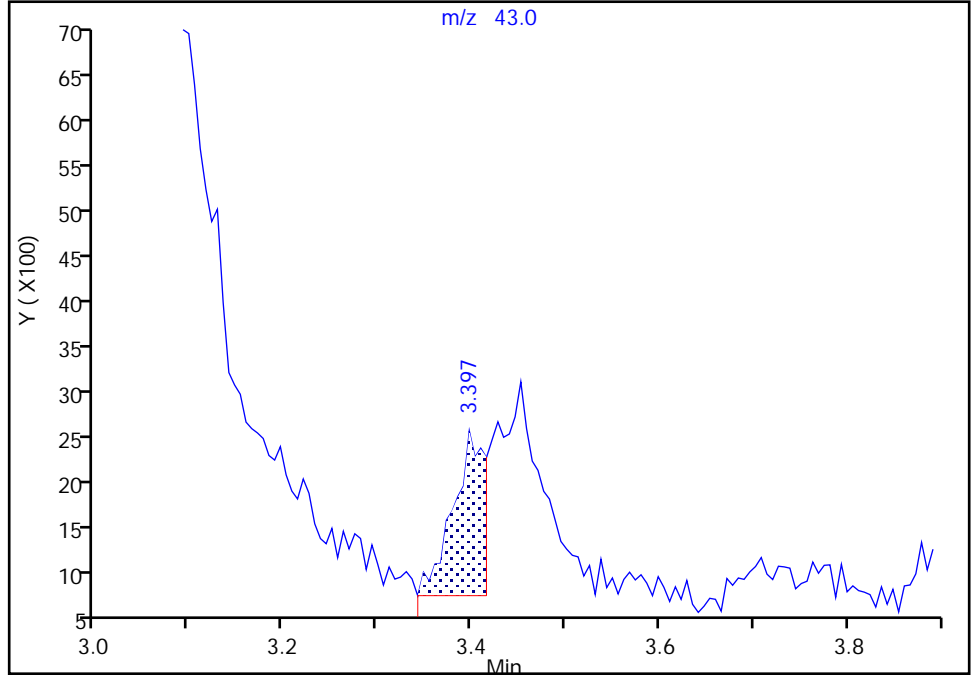
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Injection Date: 01-May-2023 19:22:30 Instrument ID: 10193
Lims ID: IC std2 0.5
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

26 Methyl acetate, CAS: 79-20-9

Signal: 1

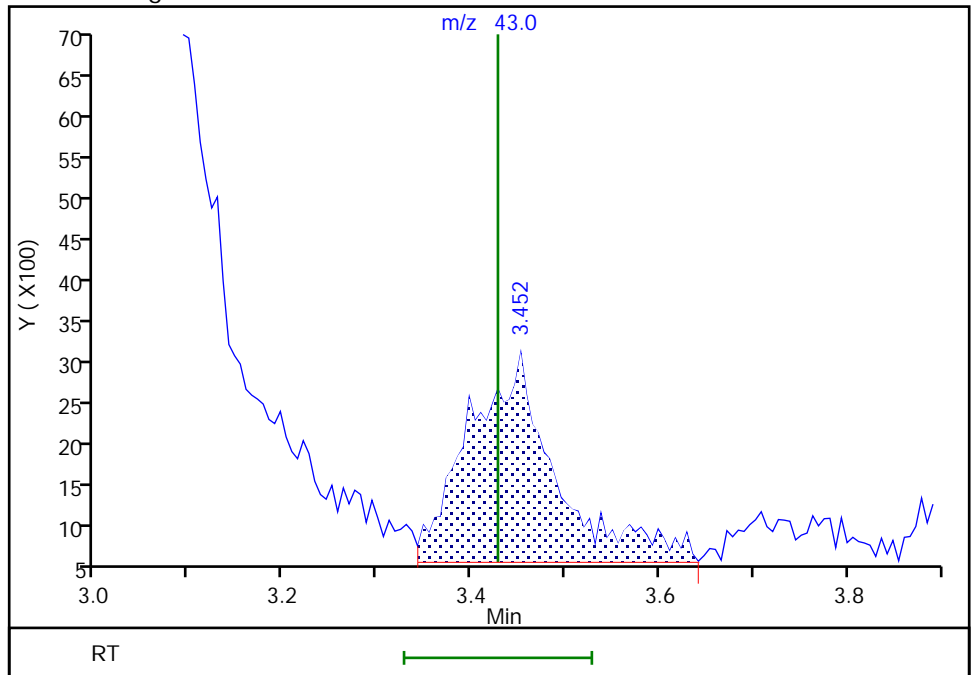
RT: 3.40
Area: 4226
Amount: 0.200907
Amount Units: ug/l

Processing Integration Results



RT: 3.45
Area: 16044
Amount: 0.676239
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 08:00:32 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

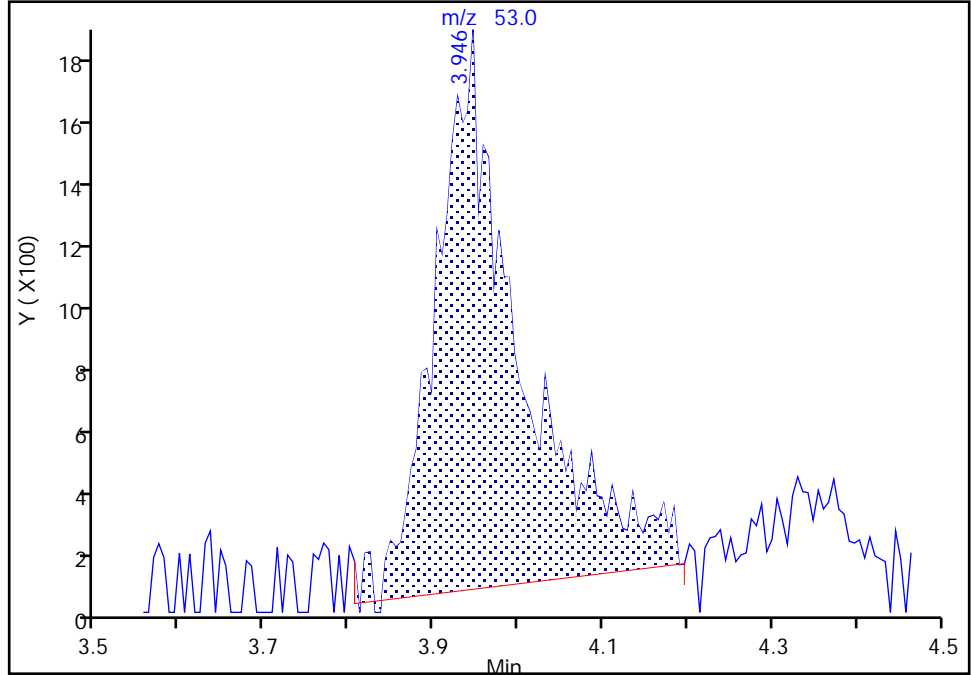
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X13.D
Injection Date: 01-May-2023 19:22:30 Instrument ID: 10193
Lims ID: IC std2 0.5
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

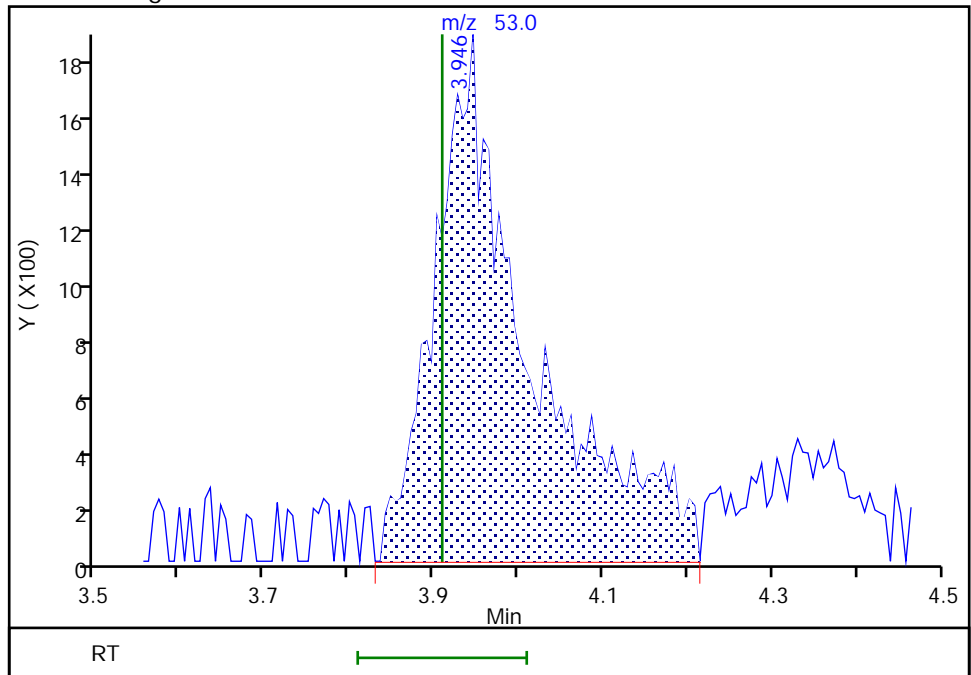
RT: 3.95
Area: 12449
Amount: 1.161579
Amount Units: ug/l

Processing Integration Results



RT: 3.95
Area: 14613
Amount: 1.363432
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 08:00:52 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

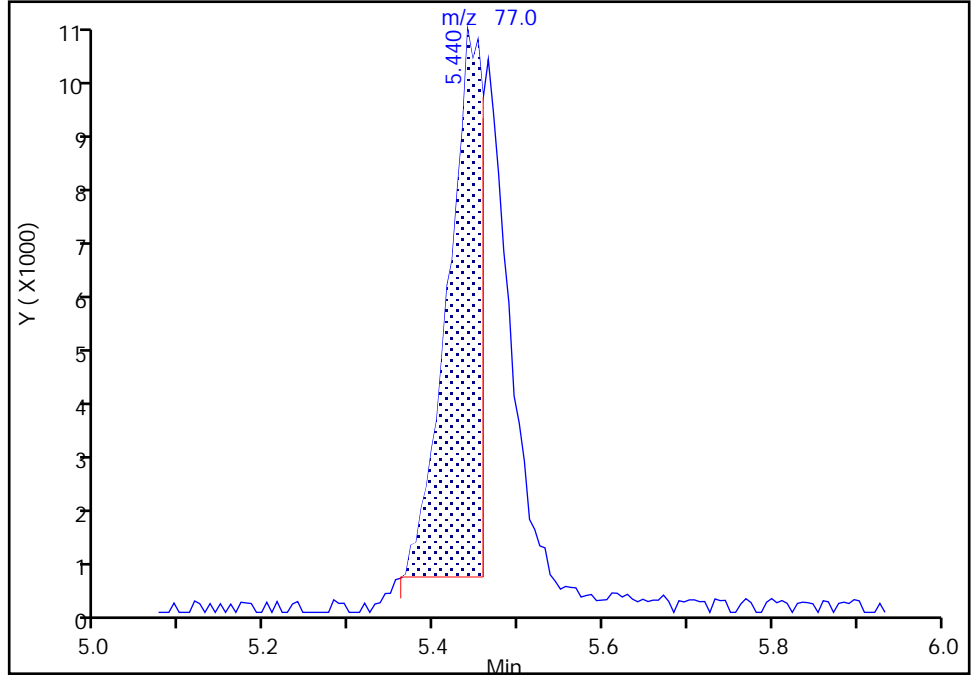
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X13.D
Injection Date: 01-May-2023 19:22:30 Instrument ID: 10193
Lims ID: IC std2 0.5
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

44 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

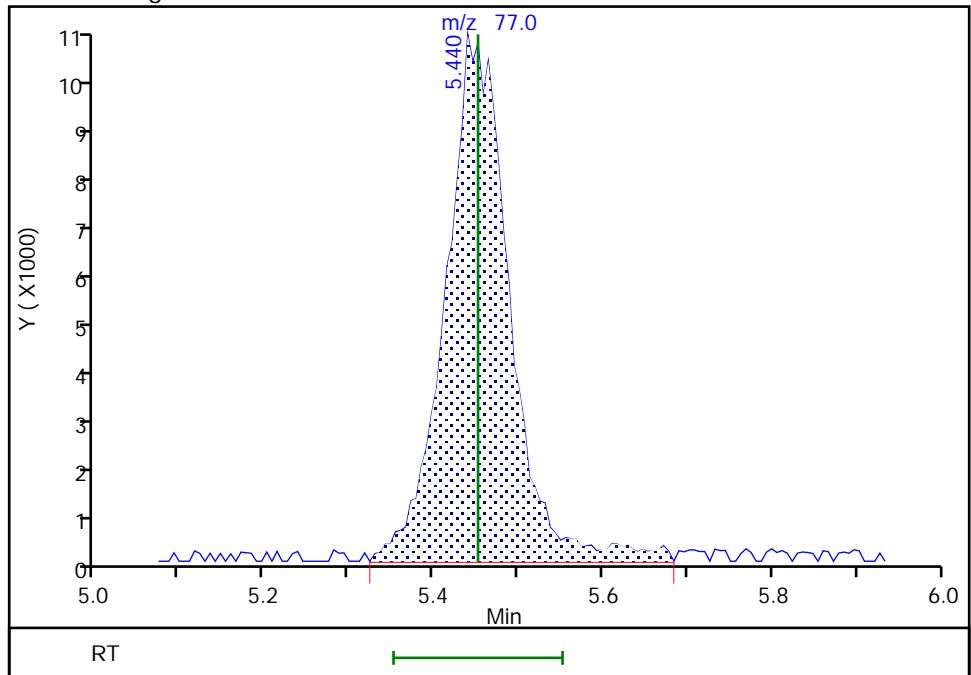
RT: 5.44
Area: 28847
Amount: 0.350414
Amount Units: ug/l

Processing Integration Results



RT: 5.44
Area: 56676
Amount: 0.588257
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 08:01:03 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

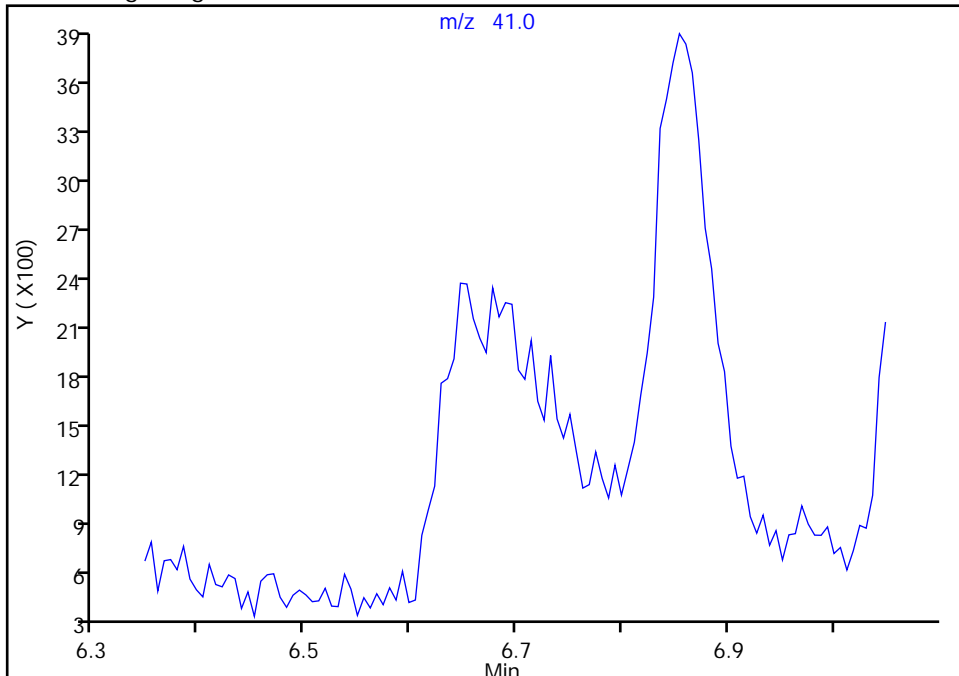
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X13.D
Injection Date: 01-May-2023 19:22:30 Instrument ID: 10193
Lims ID: IC std2 0.5
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

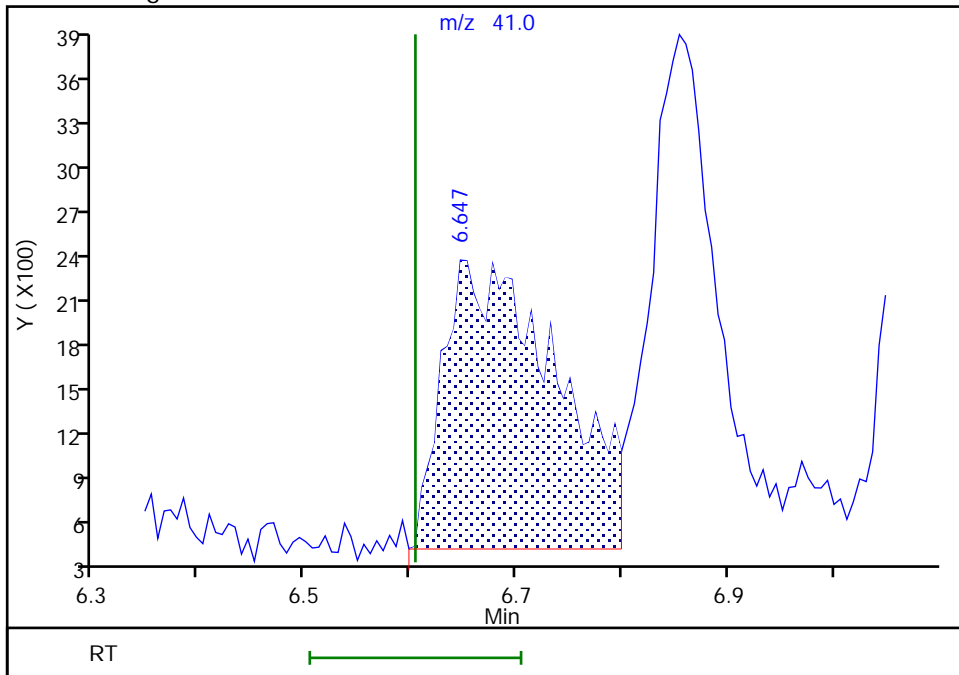
Not Detected
Expected RT: 6.60

Processing Integration Results



Manual Integration Results

RT: 6.65
Area: 14381
Amount: 19.132210
Amount Units: ug/l



Reviewer: DVW2, 02-May-2023 08:01:15 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

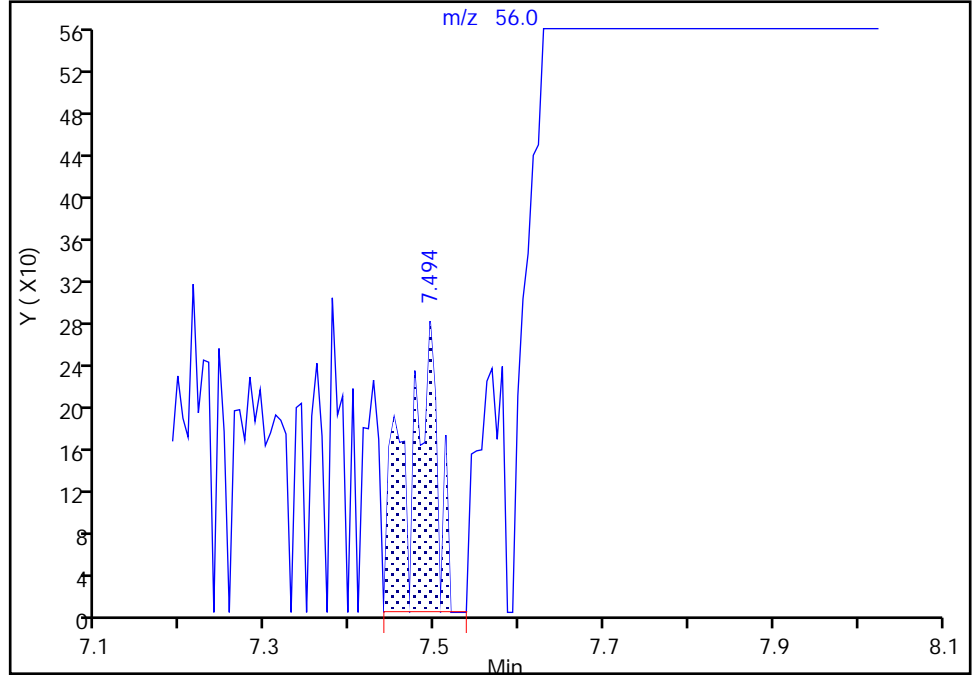
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X13.D
Injection Date: 01-May-2023 19:22:30 Instrument ID: 10193
Lims ID: IC std2 0.5
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

67 n-Butanol, CAS: 71-36-3

Signal: 1

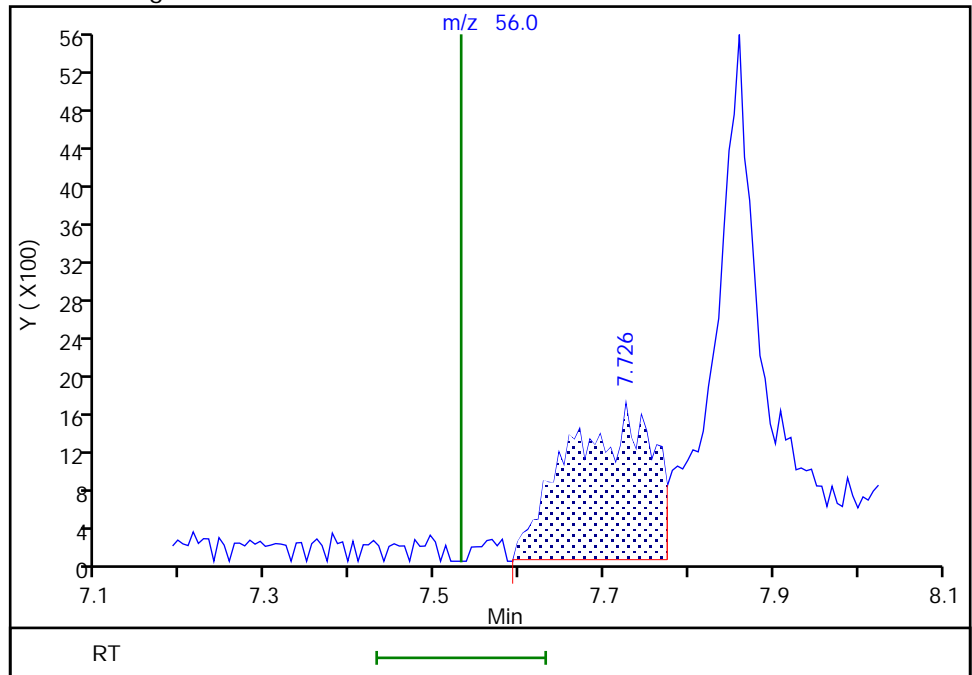
RT: 7.49
Area: 681
Amount: 1.503188
Amount Units: ug/l

Processing Integration Results



RT: 7.73
Area: 11423
Amount: 55.632069
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 08:01:42 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

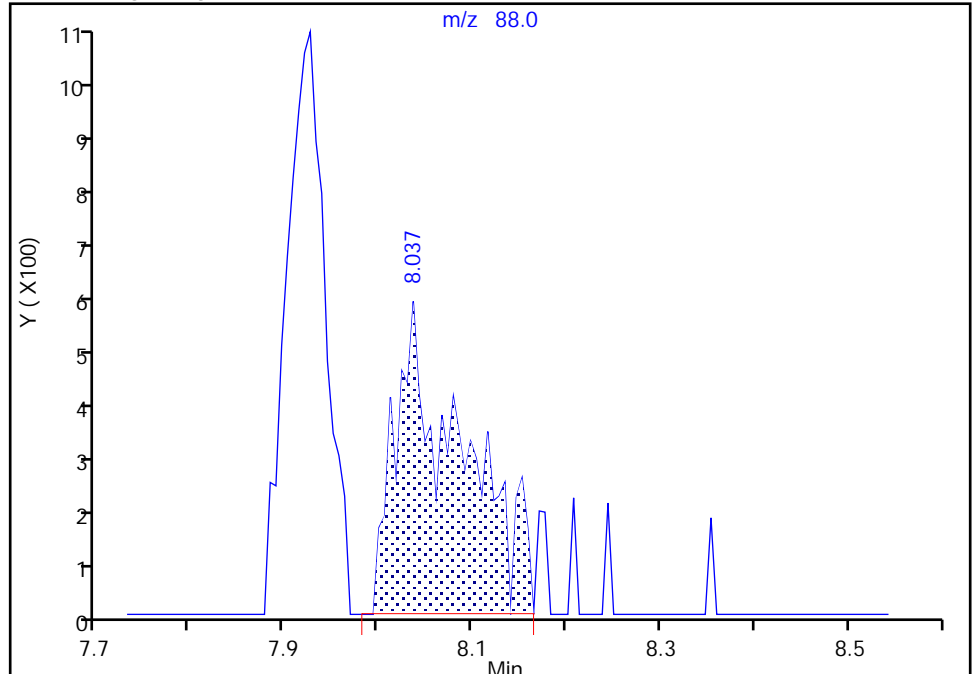
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Injection Date: 01-May-2023 19:22:30 Instrument ID: 10193
Lims ID: IC std2 0.5
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

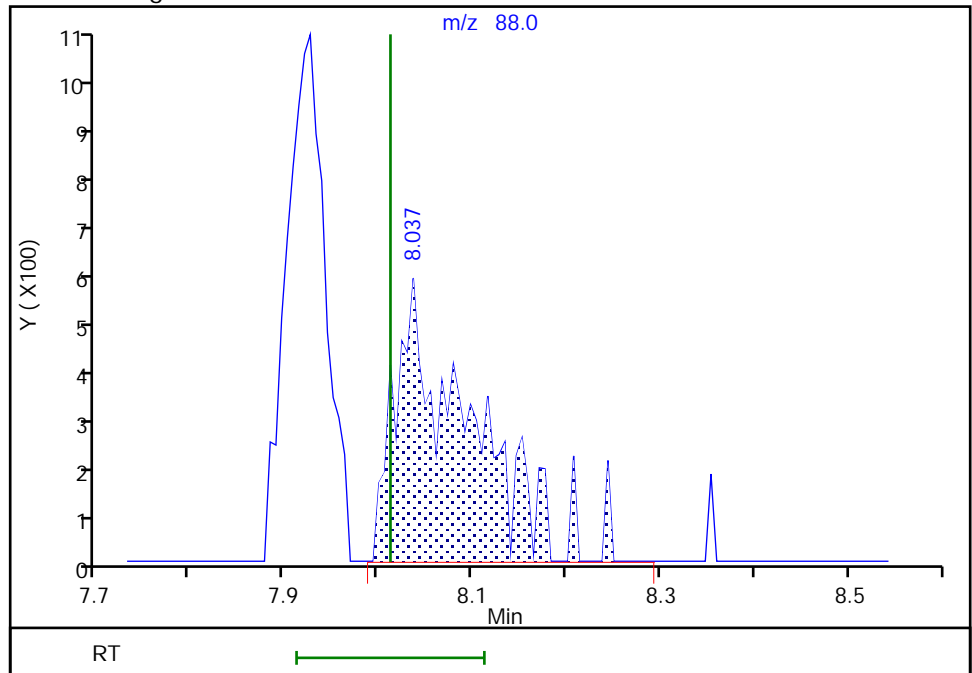
RT: 8.04
Area: 2711
Amount: 22.353886
Amount Units: ug/l

Processing Integration Results



RT: 8.04
Area: 2988
Amount: 18.168202
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 08:01:54 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X14.D
 Lims ID: IC std3 1
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 01-May-2023 19:45:30 ALS Bottle#: 14 Worklist Smp#: 15
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0082854-015
 Misc. Info.: IC STD3 1
 Operator ID: knk41612 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 07:27:44 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1625

First Level Reviewer: DVW2

Date: 02-May-2023 08:03:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.721	1.733	-0.012	99	75329	1.00	1.03	Ma
5 Chloromethane	50	1.898	1.898	0.000	99	86308	1.00	1.00	
6 Vinyl chloride	62	1.995	1.995	0.000	83	82343	1.00	1.00	
7 Butadiene	39	2.001	2.008	-0.007	91	77891	1.00	1.02	
9 Bromomethane	94	2.276	2.282	-0.006	91	53433	1.00	0.9534	
10 Chloroethane	64	2.337	2.337	0.000	100	48356	1.00	1.00	
11 Dichlorofluoromethane	67	2.550	2.556	-0.006	97	112373	1.00	0.9863	
12 Trichlorofluoromethane	101	2.605	2.605	0.000	94	99807	1.00	1.01	
13 Pentane	43	2.611	2.611	0.000	96	84740	1.00	1.05	
14 Ethyl ether	59	2.788	2.788	0.000	90	50635	1.00	1.00	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.873	2.879	-0.006	92	69709	1.00	1.00	
17 Acrolein	56	2.940	2.934	0.006	99	330654	50.0	50.1	
18 1,1-Dichloroethene	96	3.044	3.050	-0.006	97	50235	1.00	1.01	
20 Acetone	43	3.080	3.074	0.006	96	76743	10.0	10.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.086	3.093	-0.007	91	53477	1.00	1.06	
22 Iodomethane	142	3.214	3.215	-0.001	98	105913	1.00	1.02	
24 Isopropyl alcohol	45	3.202	3.227	-0.025	34	27234	20.0	18.7	
23 Ethyl bromide	108	3.233	3.239	-0.006	98	48137	1.00	0.9644	
25 Carbon disulfide	76	3.306	3.300	0.006	100	179296	1.00	1.04	
26 Methyl acetate	43	3.434	3.428	0.006	36	22568	1.00	0.9374	
29 3-Chloro-1-propene	41	3.440	3.446	-0.006	91	90962	1.00	1.02	
30 Methylene Chloride	84	3.611	3.605	0.006	93	60652	1.00	1.02	
* 31 t-Butyl alcohol-d10 (IS)	65	3.647	3.672	-0.025	97	157531	50.0	50.0	
32 2-Methyl-2-propanol	59	3.757	3.769	-0.012	98	60220	20.0	19.9	
33 Acrylonitrile	53	3.934	3.910	0.024	30	28347	2.50	2.61	
34 Methyl tert-butyl ether	73	3.952	3.952	0.000	94	173753	1.00	1.01	
35 trans-1,2-Dichloroethene	96	3.952	3.952	0.000	99	62065	1.00	1.02	
36 Hexane	57	4.342	4.349	-0.007	92	82583	1.00	1.07	
37 1,1-Dichloroethane	63	4.586	4.586	0.000	96	110627	1.00	1.01	
39 Isopropyl ether	45	4.653	4.653	0.000	92	201601	1.00	1.01	

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	4.702	4.696	0.006	90	90007	1.00	1.01	
41 Tert-butyl ethyl ether	59	5.202	5.208	-0.006	97	201922	1.00	1.01	
42 2-Butanone (MEK)	43	5.434	5.409	0.025	99	142643	10.0	9.59	
43 cis-1,2-Dichloroethene	96	5.446	5.446	0.000	82	67560	1.00	1.02	
44 2,2-Dichloropropane	77	5.440	5.452	-0.012	69	97552	1.00	1.00	
45 Propionitrile	54	5.543	5.507	0.036	98	66269	20.0	20.4	
47 Methacrylonitrile	67	5.726	5.720	0.006	92	160456	10.0	10.1	
48 Chlorobromomethane	128	5.781	5.781	0.000	90	31835	1.00	1.03	
49 Tetrahydrofuran	71	5.805	5.787	0.018	60	23525	5.00	4.95	
50 Chloroform	83	5.940	5.940	0.000	94	113083	1.00	1.03	
S 52 1,2-Dichloroethene, Total	100				0			2.04	
53 1,1,1-Trichloroethane	97	6.159	6.159	0.000	45	98307	1.00	1.02	
\$ 54 Dibromofluoromethane (Surr)	113	6.165	6.165	0.000	94	515525	10.0	10.1	
55 Cyclohexane	56	6.257	6.257	0.000	90	105836	1.00	1.08	
56 Carbon tetrachloride	117	6.372	6.373	-0.001	96	84964	1.00	1.03	
57 1,1-Dichloropropene	75	6.379	6.379	-0.001	96	84119	1.00	1.03	
58 Isobutyl alcohol	41	6.628	6.604	0.024	36	31008	50.0	40.7	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.622	6.616	0.006	99	103800	10.0	10.3	
60 Benzene	78	6.641	6.647	-0.006	96	253280	1.00	1.01	
61 1,2-Dichloroethane	62	6.726	6.720	0.006	97	73765	1.00	1.02	
64 Tert-amyl methyl ether	73	6.860	6.860	0.000	98	187225	1.00	1.01	
* 65 Fluorobenzene (IS)	96	7.067	7.055	0.012	99	1958541	10.0	10.0	
66 n-Heptane	43	7.080	7.086	-0.006	93	85888	1.00	1.07	
67 n-Butanol	56	7.616	7.531	0.085	88	33572	87.5	82.9	M
68 Trichloroethene	95	7.555	7.555	0.000	97	67739	1.00	1.02	
69 Methylcyclohexane	83	7.860	7.860	0.000	89	114284	1.00	1.07	
70 1,2-Dichloropropane	63	7.890	7.891	-0.001	96	66746	1.00	1.02	
71 2-ethoxy-2-methyl butane	87	7.921	7.927	-0.006	94	105508	1.00	1.00	
72 Dibromomethane	93	8.018	8.006	0.012	92	32036	1.00	0.9866	
73 Methyl methacrylate	69	8.018	8.006	0.012	90	29794	1.00	0.9495	
74 1,4-Dioxane	88	8.037	8.012	0.025	31	8069	50.0	48.3	
76 Dichlorobromomethane	83	8.262	8.256	0.006	99	83007	1.00	1.00	
77 2-Nitropropane	41	8.543	8.543	0.000	99	48215	5.00	4.81	
78 1-Bromo-2-chloroethane	63	8.659	8.653	0.006	99	66322	1.00	0.9617	
80 cis-1,3-Dichloropropene	75	8.835	8.829	0.006	96	101889	1.00	1.00	
82 4-Methyl-2-pentanone (MIBK)	43	9.037	9.037	0.000	97	407566	10.0	9.88	
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	93	2196273	10.0	9.93	
84 Toluene	92	9.250	9.250	0.000	98	171834	1.00	1.01	
85 trans-1,3-Dichloropropene	75	9.561	9.555	0.006	93	80882	1.00	0.9479	
86 Ethyl methacrylate	69	9.640	9.634	0.006	89	63794	1.00	0.9236	
87 1,1,2-Trichloroethane	97	9.774	9.768	0.006	90	47902	1.00	0.9441	
88 Tetrachloroethene	166	9.853	9.854	-0.001	98	82112	1.00	1.02	
89 1,3-Dichloropropane	76	9.945	9.945	0.000	91	81370	1.00	1.00	
106 2-Hexanone	43	10.030	10.018	0.012	95	260259	10.0	9.68	
S 107 1,3-Dichloropropene, Total	100				0			1.95	
108 Chlorodibromomethane	129	10.170	10.171	-0.001	90	63048	1.00	0.9871	
110 Ethylene Dibromide	107	10.286	10.280	0.006	98	46346	1.00	0.9703	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.743	0.001	85	1852391	10.0	10.0	
112 1-Chlorohexane	91	10.768	10.768	0.000	97	97782	1.00	1.00	
113 Chlorobenzene	112	10.774	10.774	0.000	97	204459	1.00	1.01	
114 1,1,1,2-Tetrachloroethane	131	10.859	10.859	0.000	94	71592	1.00	1.01	
115 Ethylbenzene	91	10.872	10.866	0.006	98	328788	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	10.993	10.987	0.006	97	266455	2.00	2.00	
S 117 Xylenes, Total	106				0			2.99	
118 o-Xylene	106	11.335	11.335	0.000	97	130576	1.00	0.9895	
119 Styrene	104	11.353	11.353	0.000	95	210503	1.00	0.9767	
120 Bromoform	173	11.512	11.506	0.006	98	38636	1.00	0.9585	
121 Isopropylbenzene	105	11.646	11.646	0.000	96	337599	1.00	1.00	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	94	929361	10.0	9.83	
125 Bromobenzene	156	11.908	11.908	0.000	95	89476	1.00	1.00	
126 1,1,2,2-Tetrachloroethane	83	11.908	11.908	0.000	93	62481	1.00	0.9631	
127 trans-1,4-Dichloro-2-butene	53	11.938	11.932	0.006	92	147995	10.0	9.50	
128 1,2,3-Trichloropropane	110	11.951	11.951	0.000	76	17013	1.00	1.00	
129 N-Propylbenzene	91	11.987	11.987	0.000	98	407043	1.00	1.02	
130 2-Chlorotoluene	126	12.060	12.060	0.000	97	84532	1.00	0.9830	
131 1,3,5-Trimethylbenzene	105	12.133	12.134	-0.001	94	299155	1.00	1.00	
132 4-Chlorotoluene	126	12.164	12.158	0.006	97	84788	1.00	0.9561	
133 tert-Butylbenzene	134	12.377	12.377	0.000	93	70749	1.00	1.03	
134 Pentachloroethane	167	12.408	12.408	0.000	82	53730	1.00	0.9600	
135 1,2,4-Trimethylbenzene	105	12.420	12.420	0.000	97	306816	1.00	1.00	
136 sec-Butylbenzene	105	12.542	12.542	0.000	94	384327	1.00	1.02	
137 1,3-Dichlorobenzene	146	12.646	12.640	0.006	98	171093	1.00	0.9856	
138 4-Isopropyltoluene	119	12.658	12.658	0.000	97	335086	1.00	0.99	
* 139 1,4-Dichlorobenzene-d4	152	12.700	12.700	0.000	94	1158894	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.719	12.719	0.000	96	179100	1.00	1.02	
141 1,2,3-Trimethylbenzene	120	12.731	12.731	0.000	98	138288	1.00	0.9691	
142 Benzyl chloride	126	12.804	12.798	0.006	98	25411	1.00	0.9628	
145 p-Diethylbenzene	119	12.938	12.932	0.006	96	201211	1.00	0.9665	
143 n-Butylbenzene	92	12.956	12.957	-0.001	97	155533	1.00	0.9888	
144 1,2-Dichlorobenzene	146	12.987	12.981	0.006	99	159443	1.00	0.9842	
148 1,2-Dibromo-3-Chloropropane	155	13.542	13.536	0.006	87	8022	1.00	0.9162	
149 1,3,5-Trichlorobenzene	180	13.670	13.664	0.006	98	133394	1.00	0.9795	
150 1,2,4-Trichlorobenzene	180	14.103	14.091	0.012	94	99494	1.00	0.9568	
151 Hexachlorobutadiene	225	14.176	14.176	0.000	97	60781	1.00	0.99	
152 Naphthalene	128	14.279	14.273	0.006	97	155856	1.00	0.9352	
153 1,2,3-Trichlorobenzene	180	14.426	14.420	0.006	95	77988	1.00	0.9478	
154 2-Methylnaphthalene	142	15.029	15.017	0.012	92	53341	1.00	0.8445	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00075

Amount Added: 2.00

Units: uL

MSV_LL_#2_826_00083

Amount Added: 2.00

Units: uL

MSV_LL_GAS826_00148

Amount Added: 2.00

Units: uL

MSV_HP25_ISSS_00068

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X14.D

Injection Date: 01-May-2023 19:45:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: IC std3 1

Worklist Smp#: 15

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

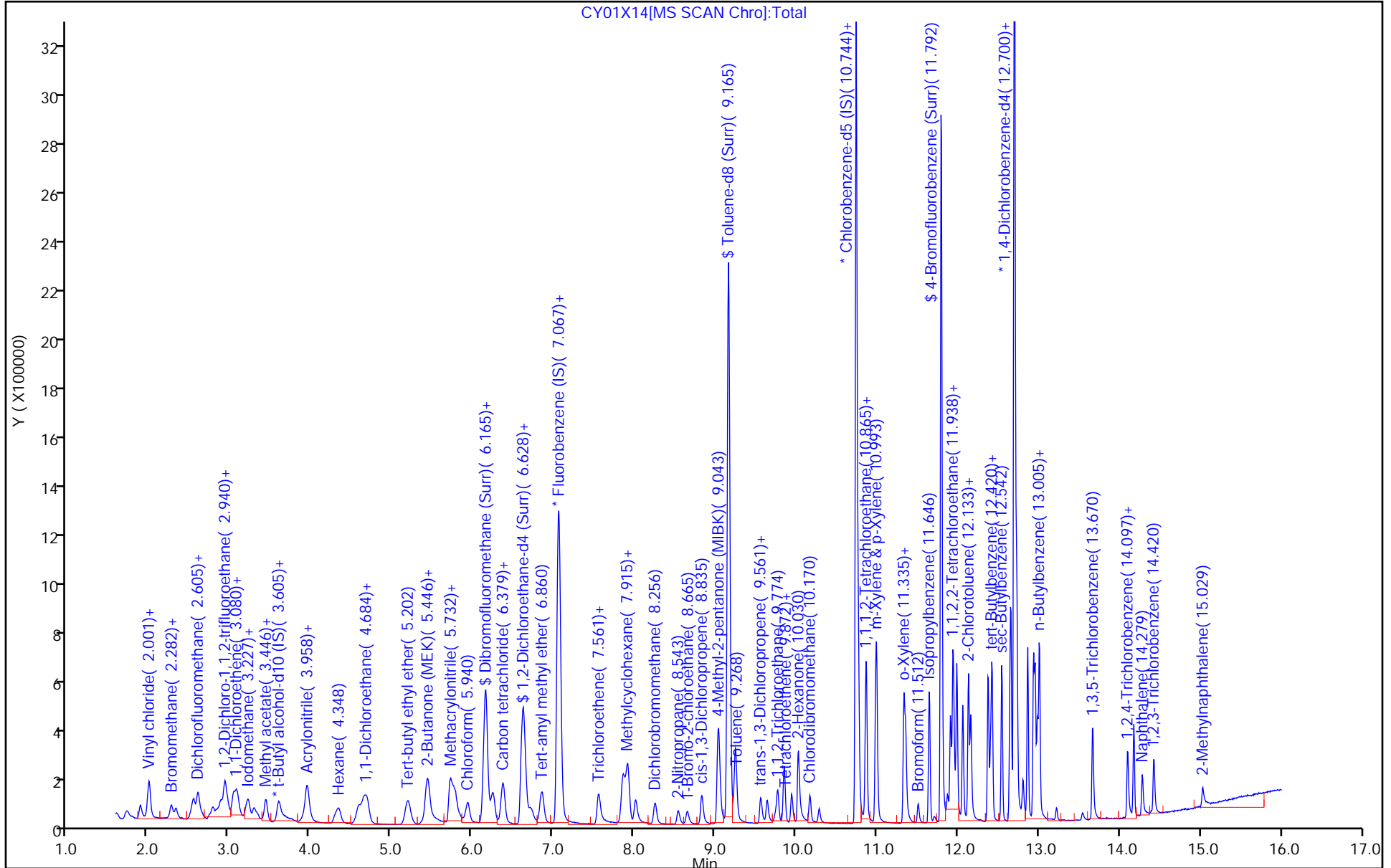
ALS Bottle#: 14

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



CY01X14[MS SCAN Chrom]:Total

Eurofins Lancaster Laboratories Environment Testing, LLC

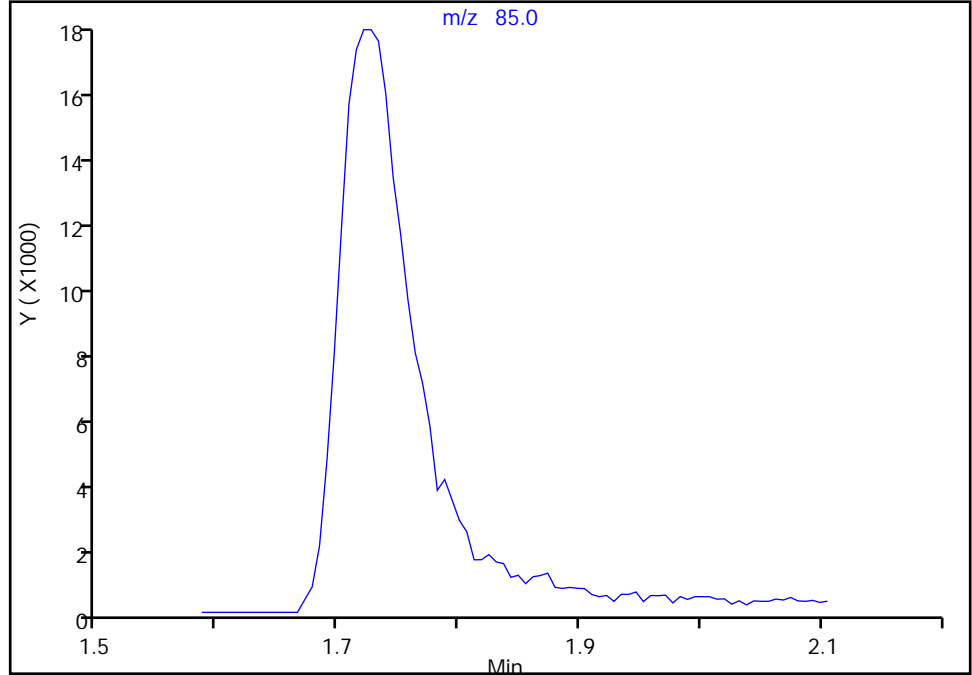
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X14.D
Injection Date: 01-May-2023 19:45:30 Instrument ID: 10193
Lims ID: IC std3 1
Client ID:
Operator ID: knk41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

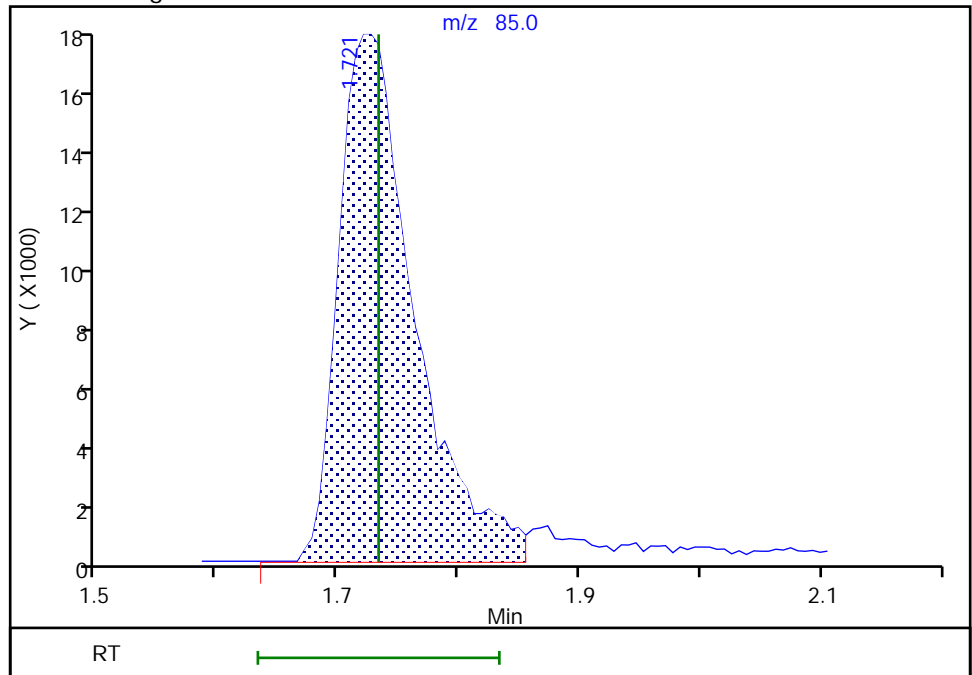
Not Detected
Expected RT: 1.73

Processing Integration Results



Manual Integration Results

RT: 1.72
Area: 75329
Amount: 1.026846
Amount Units: ug/l



Reviewer: DVW2, 02-May-2023 08:02:37 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

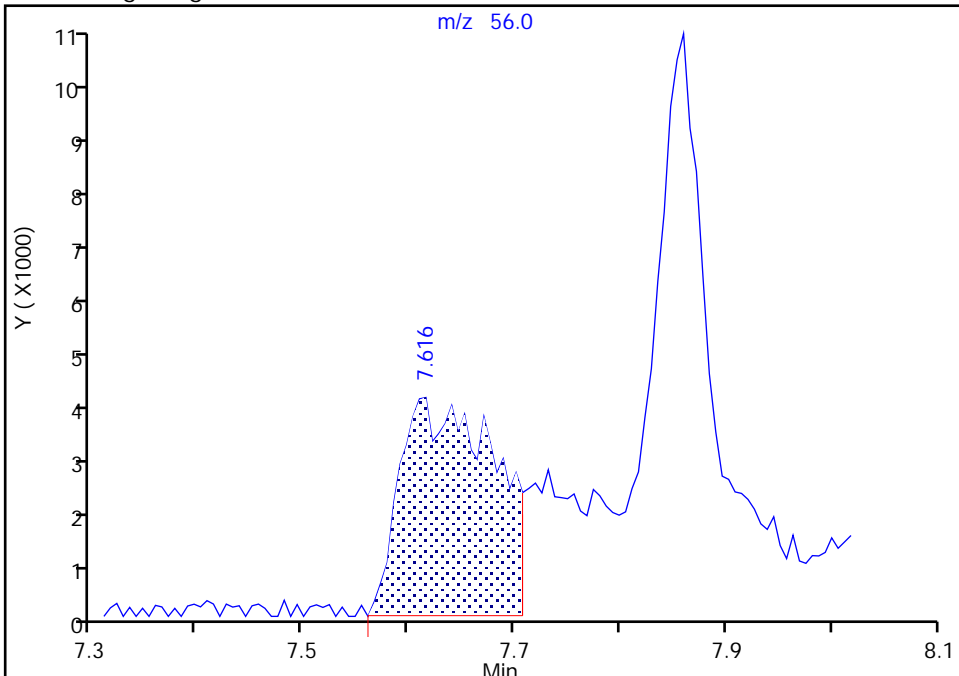
Data File:	\\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X14.D		
Injection Date:	01-May-2023 19:45:30	Instrument ID:	10193
Lims ID:	IC std3 1		
Client ID:			
Operator ID:	knk41612	ALS Bottle#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D
Column:	Rxi-624Sil MS Capillary Column (0.25mm ID)	Detector:	MS Quad
		Worklist Smp#:	15

67 n-Butanol, CAS: 71-36-3

Signal: 1

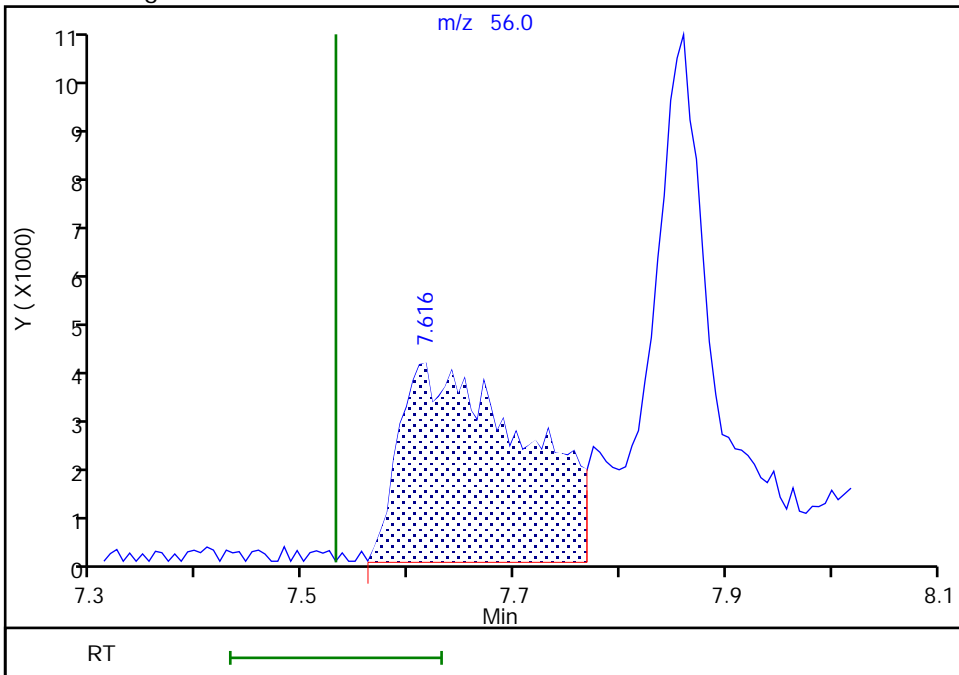
RT: 7.62
 Area: 25310
 Amount: 51.097647
 Amount Units: ug/l

Processing Integration Results



RT: 7.62
 Area: 33572
 Amount: 82.884252
 Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 08:03:14 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X15.D
 Lims ID: IC std4 2
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 01-May-2023 20:07:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0082854-016
 Misc. Info.: IC STD4 2
 Operator ID: knk41612 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 07:27:48 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1625

First Level Reviewer: DVW2

Date: 02-May-2023 08:04:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.715	1.733	-0.018	99	145079	2.00	1.97	Ma
5 Chloromethane	50	1.886	1.898	-0.012	99	163798	2.00	1.89	
6 Vinyl chloride	62	1.983	1.995	-0.012	98	160114	2.00	1.94	
7 Butadiene	39	1.995	2.008	-0.013	93	153088	2.00	1.99	
9 Bromomethane	94	2.270	2.282	-0.012	92	112242	2.00	1.99	
10 Chloroethane	64	2.325	2.337	-0.012	100	94287	2.00	1.94	
11 Dichlorofluoromethane	67	2.544	2.556	-0.012	97	225065	2.00	1.97	
12 Trichlorofluoromethane	101	2.599	2.605	-0.006	98	202482	2.00	2.05	
13 Pentane	43	2.599	2.611	-0.012	96	134150	2.00	1.65	
14 Ethyl ether	59	2.776	2.788	-0.012	92	99967	2.00	1.96	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.873	2.879	-0.006	93	136393	2.00	1.94	
17 Acrolein	56	2.928	2.934	-0.006	100	642599	100.0	98.8	
18 1,1-Dichloroethene	96	3.038	3.050	-0.012	97	86085	2.00	1.73	
20 Acetone	43	3.080	3.074	0.006	97	143007	20.0	19.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.080	3.093	-0.013	91	88189	2.00	1.74	
22 Iodomethane	142	3.202	3.215	-0.013	98	180504	2.00	1.74	
24 Isopropyl alcohol	45	3.208	3.227	-0.019	92	50920	40.0	35.5	
23 Ethyl bromide	108	3.227	3.239	-0.012	98	98352	2.00	1.96	
25 Carbon disulfide	76	3.294	3.300	-0.006	100	294254	2.00	1.70	
26 Methyl acetate	43	3.422	3.428	-0.006	97	46375	2.00	1.95	
29 3-Chloro-1-propene	41	3.434	3.446	-0.012	91	155096	2.00	1.74	
30 Methylene Chloride	84	3.599	3.605	-0.006	92	105864	2.00	1.78	
* 31 t-Butyl alcohol-d10 (IS)	65	3.641	3.672	-0.031	93	155263	50.0	50.0	
32 2-Methyl-2-propanol	59	3.751	3.769	-0.018	99	119195	40.0	40.0	
33 Acrylonitrile	53	3.910	3.910	0.000	37	47177	5.00	4.40	
34 Methyl tert-butyl ether	73	3.940	3.952	-0.012	95	318041	2.00	1.85	
35 trans-1,2-Dichloroethene	96	3.946	3.952	-0.006	99	104170	2.00	1.71	
36 Hexane	57	4.330	4.349	-0.019	92	128562	2.00	1.66	
37 1,1-Dichloroethane	63	4.580	4.586	-0.006	96	192832	2.00	1.75	
39 Isopropyl ether	45	4.653	4.653	0.000	94	359828	2.00	1.80	

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	4.696	4.696	0.000	91	152576	2.00	1.71	
41 Tert-butyl ethyl ether	59	5.196	5.208	-0.012	98	370711	2.00	1.84	
42 2-Butanone (MEK)	43	5.421	5.409	0.012	100	292284	20.0	19.9	
43 cis-1,2-Dichloroethene	96	5.440	5.446	-0.006	81	116205	2.00	1.75	
44 2,2-Dichloropropane	77	5.452	5.452	0.000	72	161106	2.00	1.65	
45 Propionitrile	54	5.519	5.507	0.012	99	120496	40.0	37.6	
47 Methacrylonitrile	67	5.714	5.720	-0.006	90	309492	20.0	19.7	
48 Chlorobromomethane	128	5.775	5.781	-0.006	90	56005	2.00	1.81	
49 Tetrahydrofuran	71	5.806	5.787	0.019	78	46394	10.0	9.90	a
50 Chloroform	83	5.940	5.940	0.000	93	194639	2.00	1.77	
S 52 1,2-Dichloroethene, Total	100				0			3.46	
53 1,1,1-Trichloroethane	97	6.153	6.159	-0.006	53	167882	2.00	1.73	
\$ 54 Dibromofluoromethane (Surr)	113	6.159	6.165	-0.006	94	510175	10.0	9.96	
55 Cyclohexane	56	6.251	6.257	-0.006	90	165251	2.00	1.67	
56 Carbon tetrachloride	117	6.366	6.373	-0.007	96	145282	2.00	1.75	
57 1,1-Dichloropropene	75	6.379	6.379	0.000	98	142574	2.00	1.73	
58 Isobutyl alcohol	41	6.635	6.604	0.031	88	73828	100.0	98.2	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.616	6.616	0.000	99	103393	10.0	10.2	
60 Benzene	78	6.635	6.647	-0.012	96	439350	2.00	1.75	
61 1,2-Dichloroethane	62	6.720	6.720	0.000	97	122217	2.00	1.68	
64 Tert-amyl methyl ether	73	6.854	6.860	-0.006	98	339385	2.00	1.82	
* 65 Fluorobenzene (IS)	96	7.061	7.055	0.006	99	1967571	10.0	10.0	
66 n-Heptane	43	7.080	7.086	-0.006	92	135728	2.00	1.68	
67 n-Butanol	56	7.573	7.531	0.042	89	81274	175.0	143.5	
68 Trichloroethene	95	7.555	7.555	0.000	97	114765	2.00	1.72	
69 Methylcyclohexane	83	7.854	7.860	-0.006	91	182524	2.00	1.71	
70 1,2-Dichloropropane	63	7.891	7.891	-0.001	97	116253	2.00	1.76	
71 2-ethoxy-2-methyl butane	87	7.921	7.927	-0.006	93	192440	2.00	1.82	
72 Dibromomethane	93	8.012	8.006	0.006	95	60313	2.00	1.85	
73 Methyl methacrylate	69	8.012	8.006	0.006	91	58850	2.00	1.90	
74 1,4-Dioxane	88	8.019	8.012	0.007	32	16915	100.0	102.8	
76 Dichlorobromomethane	83	8.256	8.256	0.000	99	147255	2.00	1.77	
77 2-Nitropropane	41	8.537	8.543	-0.006	99	99454	10.0	10.1	
78 1-Bromo-2-chloroethane	63	8.646	8.653	-0.007	99	136293	2.00	1.97	
80 cis-1,3-Dichloropropene	75	8.829	8.829	0.000	96	183994	2.00	1.80	
82 4-Methyl-2-pentanone (MIBK)	43	9.037	9.037	0.000	97	806524	20.0	19.8	
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	93	2188352	10.0	9.99	
84 Toluene	92	9.250	9.250	0.000	98	298097	2.00	1.76	
85 trans-1,3-Dichloropropene	75	9.555	9.555	0.000	93	155668	2.00	1.84	
86 Ethyl methacrylate	69	9.640	9.634	0.006	89	128098	2.00	1.87	
87 1,1,2-Trichloroethane	97	9.768	9.768	0.000	90	92415	2.00	1.84	
88 Tetrachloroethene	166	9.854	9.854	0.000	98	141716	2.00	1.78	
89 1,3-Dichloropropane	76	9.945	9.945	0.000	91	152590	2.00	1.89	
106 2-Hexanone	43	10.024	10.018	0.006	96	557623	20.0	21.0	
S 107 1,3-Dichloropropene, Total	100				0			3.64	
108 Chlorodibromomethane	129	10.171	10.171	0.000	90	115967	2.00	1.83	
110 Ethylene Dibromide	107	10.280	10.280	0.000	99	86581	2.00	1.83	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.743	0.001	85	1834206	10.0	10.0	
112 1-Chlorohexane	91	10.768	10.768	0.000	97	162948	2.00	1.69	
113 Chlorobenzene	112	10.768	10.774	-0.006	97	359544	2.00	1.79	
114 1,1,1,2-Tetrachloroethane	131	10.859	10.859	0.000	96	126543	2.00	1.81	
115 Ethylbenzene	91	10.866	10.866	0.000	98	577827	2.00	1.77	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	10.994	10.987	0.007	97	467941	4.00	3.55	
S 117 Xylenes, Total	106				0			5.33	
118 o-Xylene	106	11.335	11.335	0.000	96	233216	2.00	1.78	
119 Styrene	104	11.353	11.353	0.000	94	385075	2.00	1.80	
120 Bromoform	173	11.512	11.506	0.006	97	74742	2.00	1.87	
121 Isopropylbenzene	105	11.646	11.646	0.000	96	595432	2.00	1.78	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	93	937621	10.0	10.0	
125 Bromobenzene	156	11.908	11.908	0.000	91	160410	2.00	1.81	
126 1,1,2,2-Tetrachloroethane	83	11.908	11.908	0.000	84	124888	2.00	1.95	
127 trans-1,4-Dichloro-2-butene	53	11.938	11.932	0.006	92	303203	20.0	19.7	
128 1,2,3-Trichloropropane	110	11.951	11.951	0.000	76	33623	2.00	1.99	
129 N-Propylbenzene	91	11.987	11.987	0.000	98	677201	2.00	1.72	
130 2-Chlorotoluene	126	12.060	12.060	0.000	97	151223	2.00	1.78	
131 1,3,5-Trimethylbenzene	105	12.134	12.134	0.000	94	522152	2.00	1.77	
132 4-Chlorotoluene	126	12.158	12.158	0.000	97	160581	2.00	1.83	
133 tert-Butylbenzene	134	12.371	12.377	-0.006	93	114096	2.00	1.68	
134 Pentachloroethane	167	12.408	12.408	0.000	79	110771	2.00	2.00	
135 1,2,4-Trimethylbenzene	105	12.420	12.420	0.000	97	542964	2.00	1.78	
136 sec-Butylbenzene	105	12.542	12.542	0.000	94	663377	2.00	1.77	
137 1,3-Dichlorobenzene	146	12.646	12.640	0.006	98	312158	2.00	1.82	
138 4-Isopropyltoluene	119	12.658	12.658	0.000	97	598481	2.00	1.79	
* 139 1,4-Dichlorobenzene-d4	152	12.701	12.700	0.001	94	1146421	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.719	12.719	0.000	96	316219	2.00	1.83	
141 1,2,3-Trimethylbenzene	120	12.731	12.731	0.000	98	251377	2.00	1.78	
142 Benzyl chloride	126	12.804	12.798	0.006	98	52748	2.00	2.02	
145 p-Diethylbenzene	119	12.938	12.932	0.006	94	368746	2.00	1.79	
143 n-Butylbenzene	92	12.957	12.957	0.000	97	278872	2.00	1.79	
144 1,2-Dichlorobenzene	146	12.981	12.981	0.000	99	297449	2.00	1.86	
148 1,2-Dibromo-3-Chloropropane	155	13.542	13.536	0.006	87	16485	2.00	1.90	
149 1,3,5-Trichlorobenzene	180	13.664	13.664	0.000	98	245749	2.00	1.82	
150 1,2,4-Trichlorobenzene	180	14.097	14.091	0.006	94	187759	2.00	1.83	
151 Hexachlorobutadiene	225	14.176	14.176	0.000	97	105708	2.00	1.74	
152 Naphthalene	128	14.280	14.273	0.007	96	314062	2.00	1.91	
153 1,2,3-Trichlorobenzene	180	14.426	14.420	0.006	96	149565	2.00	1.84	
154 2-Methylnaphthalene	142	15.023	15.017	0.006	92	116530	2.00	1.60	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00075

Amount Added: 2.00

Units: uL

MSV_LL_#2_826_00083

Amount Added: 2.00

Units: uL

MSV_LL_GAS826_00148

Amount Added: 2.00

Units: uL

MSV_HP25_ISSS_00068

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X15.D

Injection Date: 01-May-2023 20:07:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: IC std4 2

Worklist Smp#: 16

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

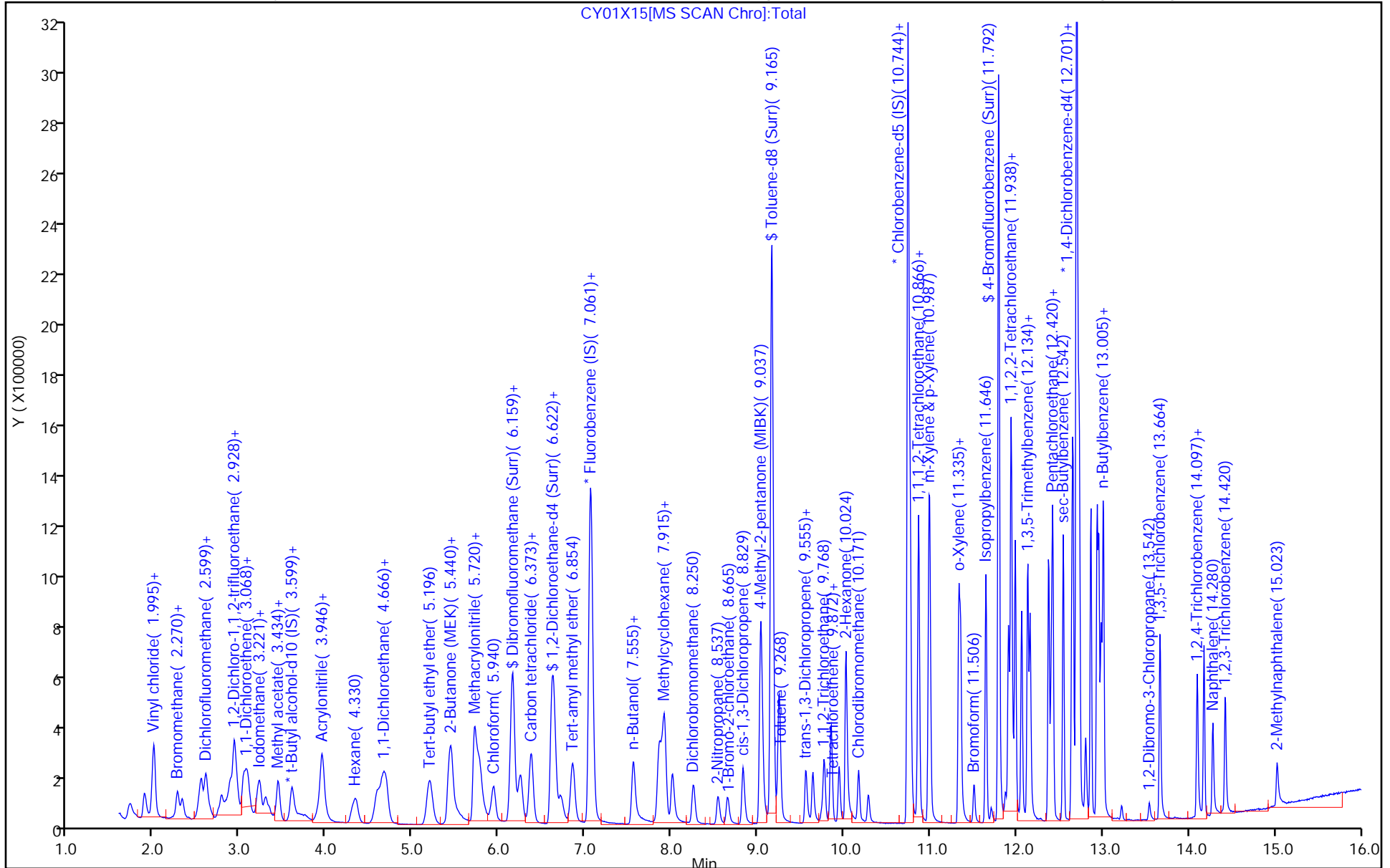
ALS Bottle#: 15

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



Eurofins Lancaster Laboratories Environment Testing, LLC

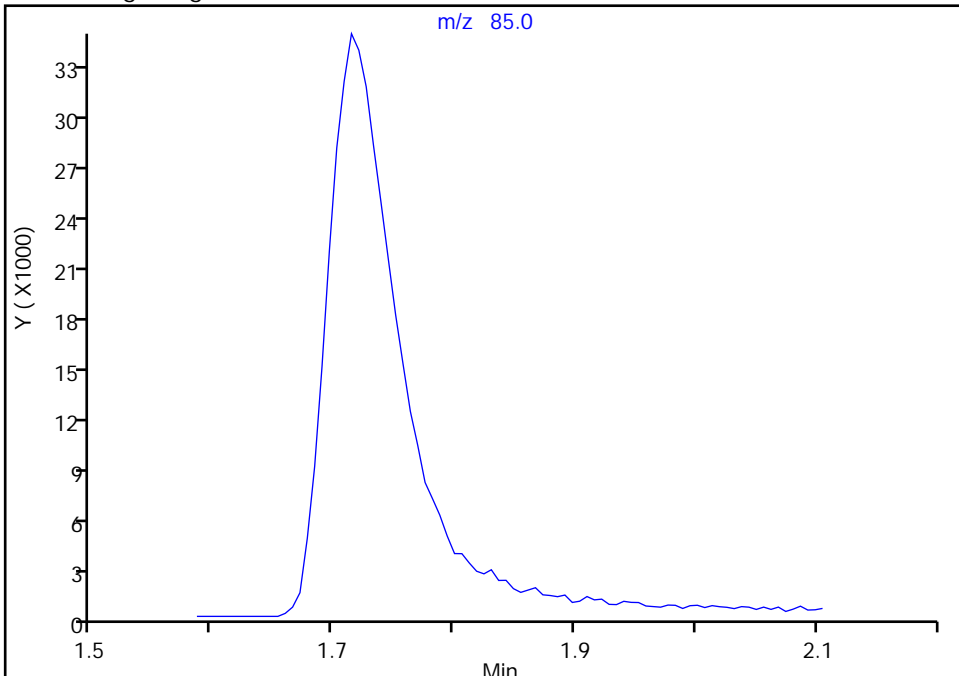
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Injection Date: 01-May-2023 20:07:30 Instrument ID: 10193
Lims ID: IC std4 2
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

2 Dichlorodifluoromethane, CAS: 75-71-8

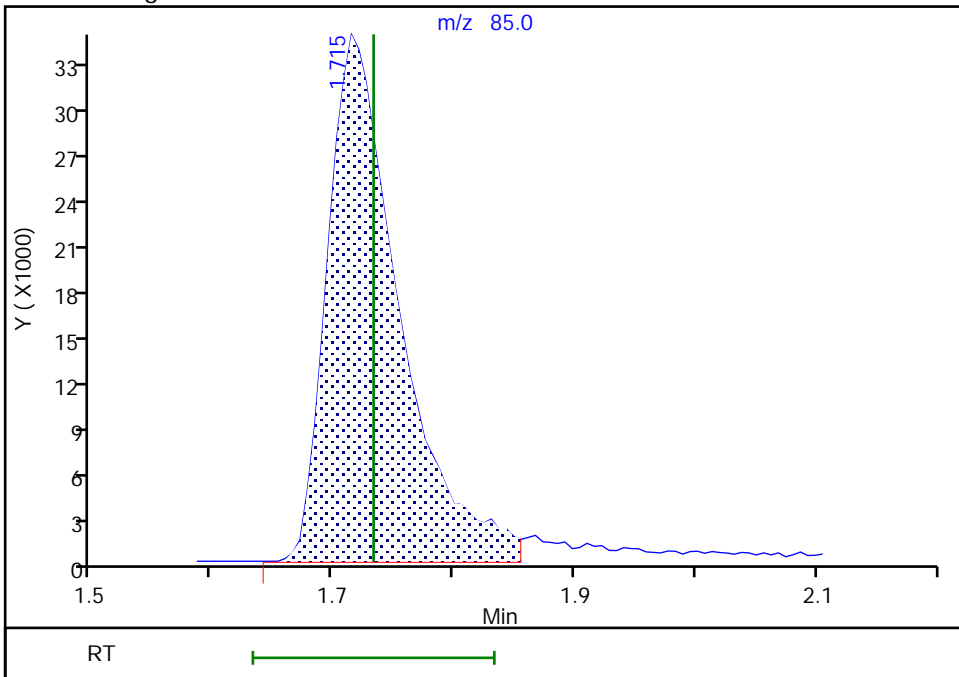
Signal: 1

Not Detected
Expected RT: 1.73

Processing Integration Results



Manual Integration Results



RT: 1.71
Area: 145079
Amount: 1.968566
Amount Units: ug/l

Reviewer: DVW2, 02-May-2023 08:04:12 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

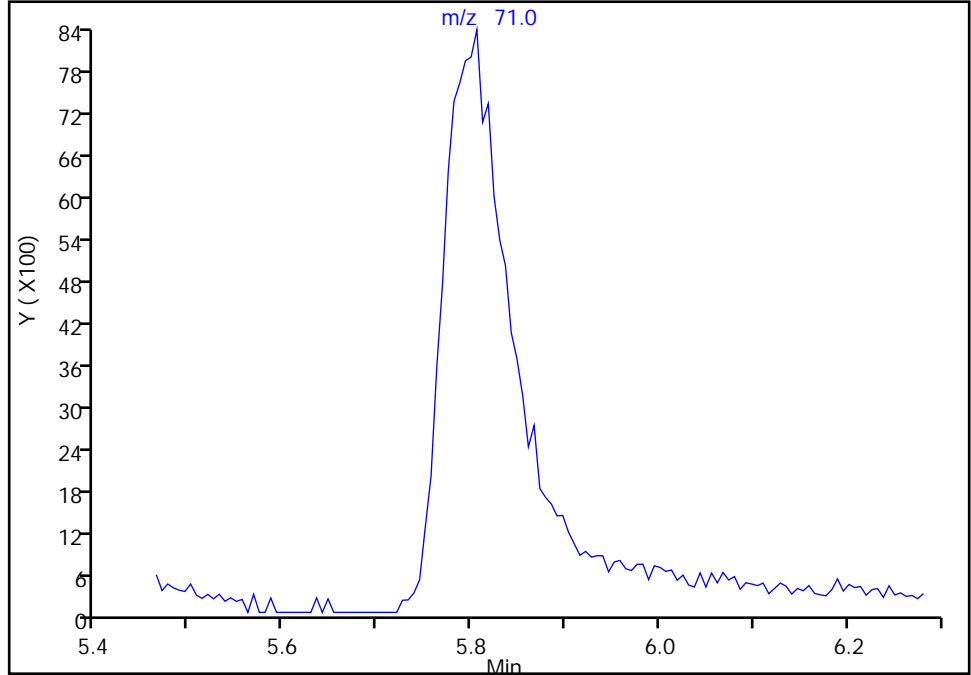
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X15.D
Injection Date: 01-May-2023 20:07:30 Instrument ID: 10193
Lims ID: IC std4 2
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

49 Tetrahydrofuran, CAS: 109-99-9

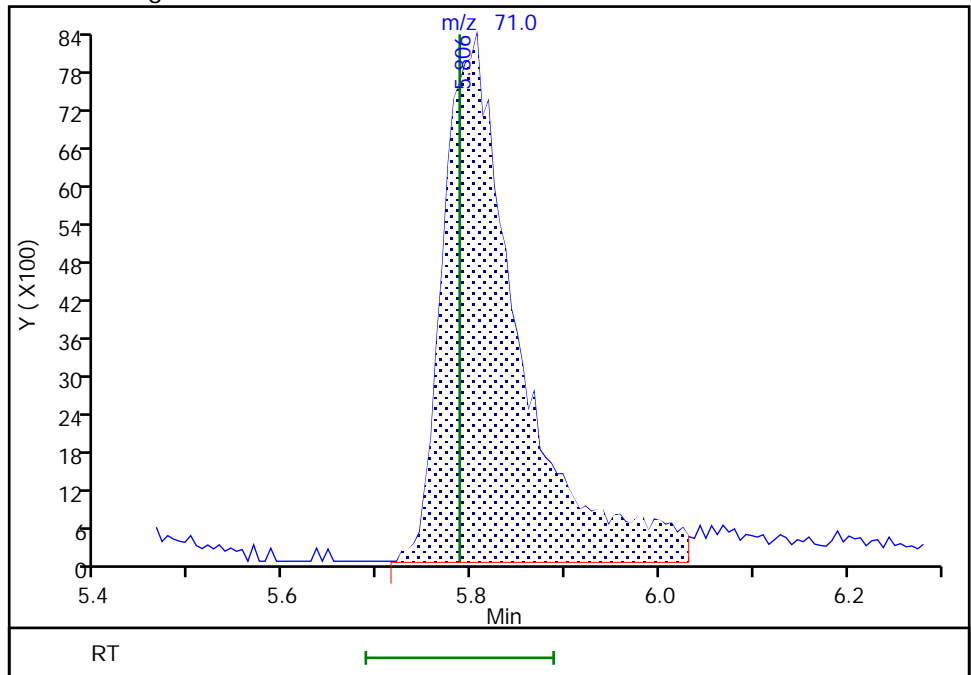
Signal: 1

Not Detected
Expected RT: 5.79

Processing Integration Results



Manual Integration Results



RT: 5.81
Area: 46394
Amount: 9.895963
Amount Units: ug/l

Reviewer: DVW2, 02-May-2023 08:04:28 -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\10193\20230501-82854.b\CY01X16.D
 Lims ID: IC std5 5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 01-May-2023 20:29:30 ALS Bottle#: 16 Worklist Smp#: 17
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0082854-017
 Misc. Info.: IC STD5 5
 Operator ID: knk41612 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 07:27:53 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1625

First Level Reviewer: DVW2

Date: 02-May-2023 08:05:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.721	1.733	-0.012	99	370847	5.00	5.00	M
5 Chloromethane	50	1.898	1.898	0.000	99	438521	5.00	5.04	
6 Vinyl chloride	62	1.995	1.995	0.000	98	424476	5.00	5.10	
7 Butadiene	39	2.007	2.008	-0.001	92	360495	5.00	4.66	
9 Bromomethane	94	2.276	2.282	-0.006	90	282213	5.00	4.98	
10 Chloroethane	64	2.337	2.337	0.000	100	240755	5.00	4.92	
11 Dichlorofluoromethane	67	2.550	2.556	-0.006	97	577697	5.00	5.01	
12 Trichlorofluoromethane	101	2.605	2.605	0.000	96	503647	5.00	5.06	
13 Pentane	43	2.605	2.611	-0.006	96	407957	5.00	4.99	
14 Ethyl ether	59	2.788	2.788	0.000	92	249753	5.00	4.86	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.873	2.879	-0.006	93	348627	5.00	4.93	
17 Acrolein	56	2.934	2.934	0.000	100	1672881	250.0	257.6	
18 1,1-Dichloroethene	96	3.050	3.050	0.000	98	253696	5.00	5.06	
20 Acetone	43	3.074	3.074	0.000	100	361471	50.0	48.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.093	3.093	0.000	92	258104	5.00	5.07	
22 Iodomethane	142	3.208	3.215	-0.007	98	541150	5.00	5.17	
24 Isopropyl alcohol	45	3.202	3.227	-0.025	36	144850	100.0	101.1	
23 Ethyl bromide	108	3.233	3.239	-0.006	98	259894	5.01	5.15	
25 Carbon disulfide	76	3.300	3.300	0.000	100	885144	5.00	5.08	
26 Methyl acetate	43	3.434	3.428	0.006	34	105928	5.00	4.47	
29 3-Chloro-1-propene	41	3.446	3.446	0.000	91	464543	5.00	5.16	
30 Methylene Chloride	84	3.605	3.605	0.000	91	305134	5.00	5.08	
* 31 t-Butyl alcohol-d10 (IS)	65	3.653	3.672	-0.019	71	154995	50.0	50.0	
32 2-Methyl-2-propanol	59	3.763	3.769	-0.006	100	279636	100.0	94.1	
33 Acrylonitrile	53	3.916	3.910	0.006	99	125207	12.5	11.7	
34 Methyl tert-butyl ether	73	3.958	3.952	0.006	95	866258	5.00	5.00	
35 trans-1,2-Dichloroethene	96	3.952	3.952	0.000	98	312169	5.00	5.09	
36 Hexane	57	4.342	4.349	-0.007	92	394857	5.00	5.07	
37 1,1-Dichloroethane	63	4.580	4.586	-0.006	96	570426	5.00	5.14	
39 Isopropyl ether	45	4.659	4.653	0.006	93	1020112	5.00	5.06	

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	4.702	4.696	0.006	91	468216	5.00	5.21	
41 Tert-butyl ethyl ether	59	5.202	5.208	-0.006	98	1027162	5.00	5.06	
42 2-Butanone (MEK)	43	5.415	5.409	0.006	99	766849	50.0	52.4	
43 cis-1,2-Dichloroethene	96	5.446	5.446	0.000	82	346092	5.00	5.17	
44 2,2-Dichloropropane	77	5.446	5.452	-0.006	87	485219	5.00	4.94	
45 Propionitrile	54	5.513	5.507	0.006	99	345504	100.0	108.0	
47 Methacrylonitrile	67	5.714	5.720	-0.006	91	837484	50.0	53.3	
48 Chlorobromomethane	128	5.775	5.781	-0.006	91	162069	5.00	5.20	
49 Tetrahydrofuran	71	5.793	5.787	0.006	77	112621	25.0	24.1	
50 Chloroform	83	5.940	5.940	0.000	94	566761	5.00	5.11	
S 52 1,2-Dichloroethene, Total	100				0			10.3	
53 1,1,1-Trichloroethane	97	6.159	6.159	0.000	87	496390	5.00	5.07	
\$ 54 Dibromofluoromethane (Surr)	113	6.159	6.165	-0.006	94	520845	10.0	10.1	
55 Cyclohexane	56	6.257	6.257	0.000	90	499985	5.00	5.03	
56 Carbon tetrachloride	117	6.372	6.373	-0.001	97	435211	5.00	5.20	
57 1,1-Dichloropropene	75	6.385	6.379	0.006	96	428358	5.00	5.17	
58 Isobutyl alcohol	41	6.616	6.604	0.012	60	206357	250.0	275.0	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.616	6.616	0.000	98	99162	10.0	9.75	
60 Benzene	78	6.641	6.647	-0.006	97	1306765	5.00	5.16	
61 1,2-Dichloroethane	62	6.720	6.720	0.000	98	367375	5.00	5.02	
64 Tert-amyl methyl ether	73	6.860	6.860	0.000	98	952816	5.00	5.09	
* 65 Fluorobenzene (IS)	96	7.067	7.055	0.012	98	1980922	10.0	10.0	
66 n-Heptane	43	7.086	7.086	0.000	91	416478	5.00	5.12	
67 n-Butanol	56	7.549	7.531	0.018	87	289735	437.5	406.4	
68 Trichloroethene	95	7.555	7.555	0.000	97	347795	5.00	5.18	
69 Methylcyclohexane	83	7.860	7.860	0.000	91	554423	5.00	5.15	
70 1,2-Dichloropropane	63	7.890	7.891	-0.001	97	341576	5.00	5.14	
71 2-ethoxy-2-methyl butane	87	7.921	7.927	-0.006	93	553627	5.00	5.19	
72 Dibromomethane	93	8.006	8.006	0.000	91	166346	5.00	5.07	
73 Methyl methacrylate	69	8.012	8.006	0.006	92	166644	5.00	5.40	
74 1,4-Dioxane	88	8.025	8.012	0.013	33	47072	250.0	286.7	
76 Dichlorobromomethane	83	8.256	8.256	0.000	99	432798	5.00	5.16	
77 2-Nitropropane	41	8.543	8.543	0.000	98	263321	25.0	26.7	
78 1-Bromo-2-chloroethane	63	8.652	8.653	-0.001	98	362701	5.00	5.20	
80 cis-1,3-Dichloropropene	75	8.829	8.829	0.000	96	543896	5.00	5.29	
82 4-Methyl-2-pentanone (MIBK)	43	9.037	9.037	0.000	96	2142002	50.0	52.8	
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	93	2221928	10.0	10.0	
84 Toluene	92	9.250	9.250	0.000	98	873512	5.00	5.11	
85 trans-1,3-Dichloropropene	75	9.555	9.555	0.000	93	464972	5.00	5.44	
86 Ethyl methacrylate	69	9.640	9.634	0.006	89	366055	5.00	5.29	
87 1,1,2-Trichloroethane	97	9.774	9.768	0.006	90	252235	5.00	4.96	
88 Tetrachloroethene	166	9.853	9.854	-0.001	98	418173	5.00	5.18	
89 1,3-Dichloropropane	76	9.945	9.945	0.000	91	421750	5.00	5.15	
106 2-Hexanone	43	10.018	10.018	0.000	96	1488305	50.0	56.3	
S 107 1,3-Dichloropropene, Total	100				0			10.7	
108 Chlorodibromomethane	129	10.170	10.171	-0.001	90	336724	5.00	5.26	
110 Ethylene Dibromide	107	10.280	10.280	0.000	99	248551	5.00	5.19	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.743	0.001	84	1855538	10.0	10.0	
112 1-Chlorohexane	91	10.768	10.768	0.000	98	481823	5.00	4.94	
113 Chlorobenzene	112	10.774	10.774	0.000	98	1049871	5.00	5.16	
114 1,1,1,2-Tetrachloroethane	131	10.859	10.859	0.000	96	364212	5.00	5.15	
115 Ethylbenzene	91	10.865	10.866	-0.001	98	1729005	5.00	5.24	

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	10.987	10.987	0.000	97	1386791	10.0	10.4	
S 117 Xylenes, Total	106				0			15.6	
118 o-Xylene	106	11.335	11.335	0.000	96	692373	5.00	5.24	
119 Styrene	104	11.353	11.353	0.000	95	1157660	5.00	5.36	
120 Bromoform	173	11.506	11.506	0.000	98	214347	5.00	5.31	
121 Isopropylbenzene	105	11.646	11.646	0.000	95	1777018	5.00	5.24	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	92	953694	10.0	10.1	
125 Bromobenzene	156	11.908	11.908	0.000	92	465679	5.00	5.26	
126 1,1,2,2-Tetrachloroethane	83	11.908	11.908	0.000	91	332415	5.00	5.18	
127 trans-1,4-Dichloro-2-butene	53	11.938	11.932	0.006	91	866324	50.0	56.2	
128 1,2,3-Trichloropropane	110	11.951	11.951	0.000	81	85843	5.00	5.08	
129 N-Propylbenzene	91	11.987	11.987	0.000	98	2075659	5.00	5.27	
130 2-Chlorotoluene	126	12.060	12.060	0.000	97	446449	5.00	5.24	
131 1,3,5-Trimethylbenzene	105	12.133	12.134	-0.001	94	1563918	5.00	5.29	
132 4-Chlorotoluene	126	12.158	12.158	0.000	97	465229	5.00	5.30	
133 tert-Butylbenzene	134	12.377	12.377	0.000	93	363705	5.00	5.36	
134 Pentachloroethane	167	12.402	12.408	-0.006	93	294785	5.00	5.32	
135 1,2,4-Trimethylbenzene	105	12.420	12.420	0.000	97	1624641	5.00	5.33	
136 sec-Butylbenzene	105	12.542	12.542	0.000	94	1980038	5.00	5.29	
137 1,3-Dichlorobenzene	146	12.639	12.640	-0.001	98	914516	5.00	5.32	
138 4-Isopropyltoluene	119	12.658	12.658	0.000	97	1778983	5.00	5.32	
* 139 1,4-Dichlorobenzene-d4	152	12.700	12.700	0.000	93	1147138	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.719	12.719	0.000	96	924059	5.00	5.34	
141 1,2,3-Trimethylbenzene	120	12.731	12.731	0.000	98	740448	5.00	5.24	
142 Benzyl chloride	126	12.804	12.798	0.006	98	145876	5.00	5.58	
145 p-Diethylbenzene	119	12.932	12.932	0.000	94	1118185	5.00	5.43	
143 n-Butylbenzene	92	12.956	12.957	-0.001	97	854099	5.00	5.49	
144 1,2-Dichlorobenzene	146	12.981	12.981	0.000	99	865624	5.00	5.40	
148 1,2-Dibromo-3-Chloropropane	155	13.542	13.536	0.006	89	46653	5.00	5.38	
149 1,3,5-Trichlorobenzene	180	13.664	13.664	0.000	98	724908	5.00	5.38	
150 1,2,4-Trichlorobenzene	180	14.097	14.091	0.005	94	575664	5.00	5.59	
151 Hexachlorobutadiene	225	14.176	14.176	0.000	96	311552	5.00	5.14	
152 Naphthalene	128	14.273	14.273	0.000	97	884074	5.00	5.36	
153 1,2,3-Trichlorobenzene	180	14.420	14.420	0.000	96	442612	5.00	5.43	
154 2-Methylnaphthalene	142	15.017	15.017	0.000	92	354897	5.00	4.42	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00075

Amount Added: 5.00

Units: uL

MSV_LL_#2_826_00083

Amount Added: 5.00

Units: uL

MSV_LL_GAS826_00148

Amount Added: 5.00

Units: uL

MSV_HP25_ISSS_00068

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X16.D

Injection Date: 01-May-2023 20:29:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: IC std5 5

Worklist Smp#: 17

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

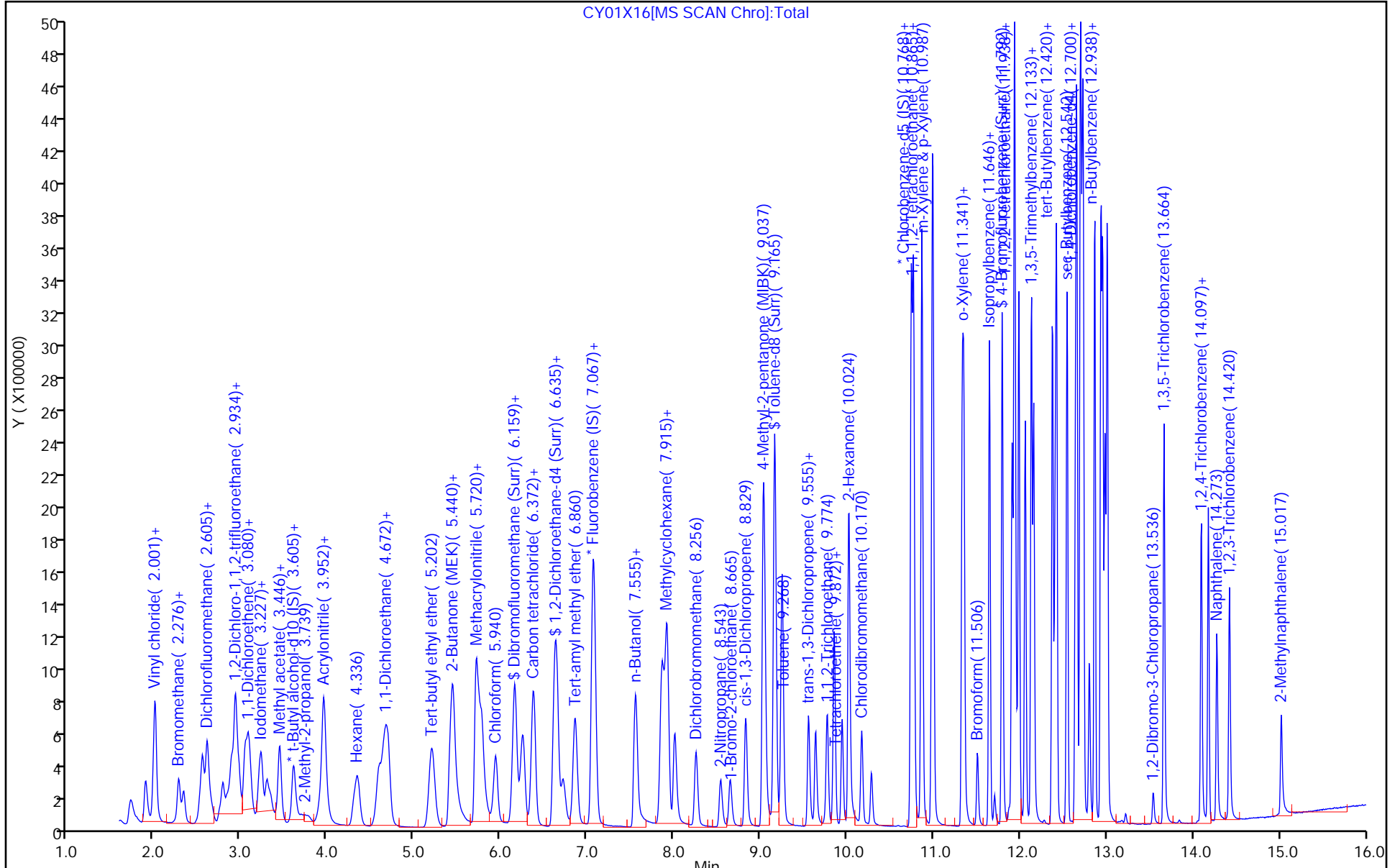
ALS Bottle#: 16

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



Eurofins Lancaster Laboratories Environment Testing, LLC

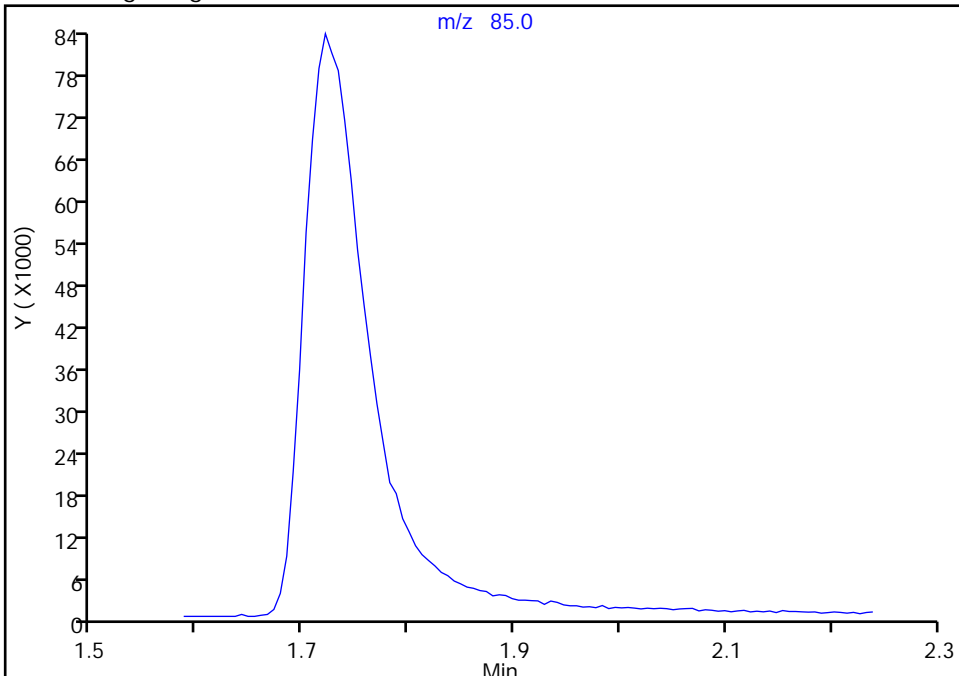
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X16.D
Injection Date: 01-May-2023 20:29:30 Instrument ID: 10193
Lims ID: IC std5 5
Client ID:
Operator ID: knk41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

2 Dichlorodifluoromethane, CAS: 75-71-8

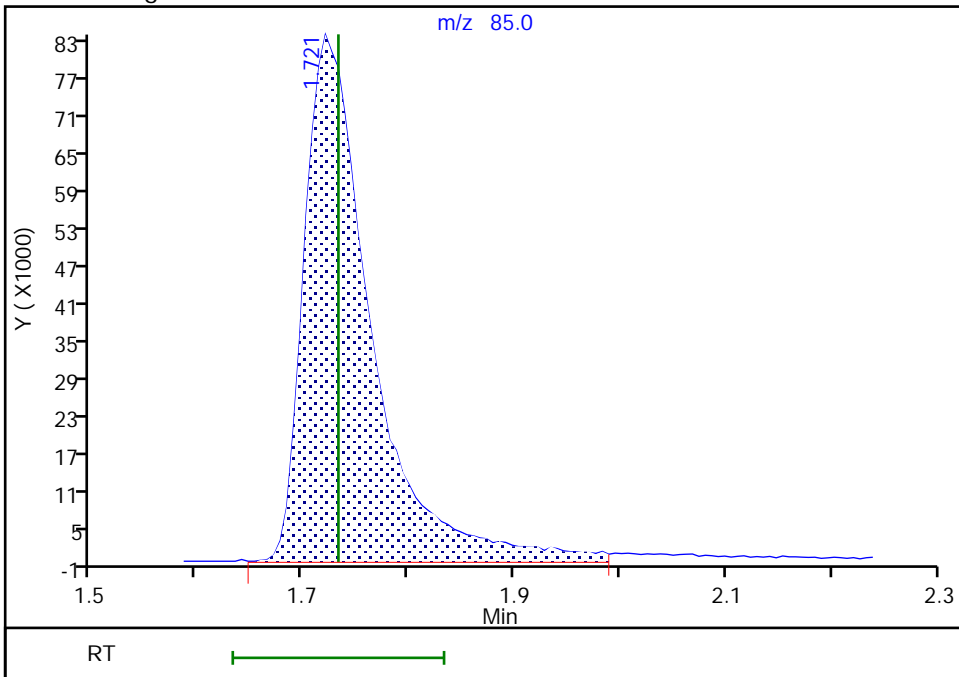
Signal: 1

Not Detected
Expected RT: 1.73

Processing Integration Results



Manual Integration Results



RT: 1.72
Area: 370847
Amount: 4.998080
Amount Units: ug/l

Reviewer: DVW2, 02-May-2023 08:05:17 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X17.D
 Lims ID: ICIS 10
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 01-May-2023 20:52:30 ALS Bottle#: 17 Worklist Smp#: 18
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0082854-018
 Misc. Info.: ICIS 10
 Operator ID: knk41612 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 07:27:57 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1625

First Level Reviewer: DVW2

Date: 02-May-2023 14:45:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.733	1.733	0.000	99	733924	10.0	9.90	
5 Chloromethane	50	1.898	1.898	0.000	99	847656	10.0	9.75	
6 Vinyl chloride	62	1.995	1.995	0.000	98	815266	10.0	9.81	
7 Butadiene	39	2.008	2.008	0.000	92	733554	10.0	9.50	
9 Bromomethane	94	2.282	2.282	0.000	90	537960	10.0	9.50	
10 Chloroethane	64	2.337	2.337	0.000	100	468210	10.0	9.59	
11 Dichlorofluoromethane	67	2.556	2.556	0.000	97	1119352	10.0	9.72	
12 Trichlorofluoromethane	101	2.605	2.605	0.000	98	985985	10.0	9.91	
13 Pentane	43	2.611	2.611	0.000	96	803308	10.0	9.83	
14 Ethyl ether	59	2.788	2.788	0.000	92	505712	10.0	9.84	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.879	2.879	0.000	93	682201	10.0	9.65	
17 Acrolein	56	2.934	2.934	0.000	100	3378019	500.0	508.5	
18 1,1-Dichloroethene	96	3.050	3.050	0.000	98	493944	10.0	9.86	
20 Acetone	43	3.074	3.074	0.000	99	707625	100.0	93.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.093	3.093	0.000	92	505805	10.0	9.95	
22 Iodomethane	142	3.215	3.215	0.000	98	1061357	10.0	10.2	
24 Isopropyl alcohol	45	3.227	3.227	0.000	35	310652	200.0	212.0	
23 Ethyl bromide	108	3.239	3.239	0.000	98	507129	10.0	10.1	
25 Carbon disulfide	76	3.300	3.300	0.000	99	1797605	10.0	10.3	
26 Methyl acetate	43	3.428	3.428	0.000	95	225184	10.0	9.29	M
29 3-Chloro-1-propene	41	3.446	3.446	0.000	91	913691	10.0	10.2	
30 Methylene Chloride	84	3.605	3.605	0.000	92	598119	10.0	9.98	
* 31 t-Butyl alcohol-d10 (IS)	65	3.641	3.641	0.000	95	158563	50.0	50.0	
32 2-Methyl-2-propanol	59	3.769	3.769	0.000	100	581340	200.0	191.2	
33 Acrylonitrile	53	3.910	3.910	0.000	99	255304	25.0	23.3	
34 Methyl tert-butyl ether	73	3.952	3.952	0.000	93	1725441	10.0	9.96	
35 trans-1,2-Dichloroethene	96	3.952	3.952	0.000	99	615390	10.0	10.1	
36 Hexane	57	4.349	4.349	0.000	92	787272	10.0	10.1	
37 1,1-Dichloroethane	63	4.586	4.586	0.000	96	1118224	10.0	10.1	
39 Isopropyl ether	45	4.653	4.653	0.000	93	2034472	10.0	10.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.696	4.696	0.000	91	934857	10.0	10.4	
41 Tert-butyl ethyl ether	59	5.208	5.208	0.000	98	2046949	10.0	10.1	
42 2-Butanone (MEK)	43	5.409	5.409	0.000	99	1538747	100.0	102.7	
43 cis-1,2-Dichloroethene	96	5.446	5.446	0.000	82	678443	10.0	10.1	
44 2,2-Dichloropropane	77	5.452	5.452	0.000	86	938999	10.0	9.57	
45 Propionitrile	54	5.507	5.507	0.000	99	703206	200.0	214.9	
47 Methacrylonitrile	67	5.720	5.720	0.000	91	1703542	100.0	106.0	
48 Chlorobromomethane	128	5.781	5.781	0.000	93	316292	10.0	10.2	
49 Tetrahydrofuran	71	5.787	5.787	0.000	90	222798	50.0	46.5	
50 Chloroform	83	5.940	5.940	0.000	93	1117567	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.159	6.159	0.000	98	972172	10.0	9.95	
\$ 54 Dibromofluoromethane (Surr)	113	6.165	6.165	0.000	94	514910	10.0	10.0	
55 Cyclohexane	56	6.257	6.257	0.000	90	1004095	10.0	10.1	
56 Carbon tetrachloride	117	6.373	6.373	0.000	97	860343	10.0	10.3	
57 1,1-Dichloropropene	75	6.379	6.379	0.000	97	840956	10.0	10.2	
58 Isobutyl alcohol	41	6.604	6.604	0.000	95	447936	500.0	583.4	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.616	6.616	0.000	99	101377	10.0	9.98	
60 Benzene	78	6.647	6.647	0.000	97	2557558	10.0	10.1	
61 1,2-Dichloroethane	62	6.720	6.720	0.000	97	696212	10.0	9.53	
64 Tert-amyl methyl ether	73	6.860	6.860	0.000	98	1888227	10.0	10.1	
* 65 Fluorobenzene (IS)	96	7.068	7.068	0.000	99	1979051	10.0	10.0	
66 n-Heptane	43	7.086	7.086	0.000	89	853515	10.0	10.5	
67 n-Butanol	56	7.531	7.531	0.000	88	685163	875.0	885.2	
68 Trichloroethene	95	7.555	7.555	0.000	98	687744	10.0	10.3	
69 Methylcyclohexane	83	7.860	7.860	0.000	91	1110799	10.0	10.3	
70 1,2-Dichloropropane	63	7.891	7.891	0.000	97	678866	10.0	10.2	
71 2-ethoxy-2-methyl butane	87	7.927	7.927	0.000	93	1108880	10.0	10.4	
72 Dibromomethane	93	8.006	8.006	0.000	80	334312	10.0	10.2	
73 Methyl methacrylate	69	8.006	8.006	0.000	92	334881	10.0	10.6	
74 1,4-Dioxane	88	8.012	8.012	0.000	31	92700	500.0	551.8	
76 Dichlorobromomethane	83	8.256	8.256	0.000	99	860308	10.0	10.3	
77 2-Nitropropane	41	8.543	8.543	0.000	98	517735	50.0	51.3	
78 1-Bromo-2-chloroethane	63	8.653	8.653	0.000	99	714193	10.0	10.2	
80 cis-1,3-Dichloropropene	75	8.829	8.829	0.000	96	1100808	10.0	10.7	
82 4-Methyl-2-pentanone (MIBK)	43	9.037	9.037	0.000	96	4346504	100.0	104.7	
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	94	2226358	10.0	10.1	
84 Toluene	92	9.250	9.250	0.000	98	1732261	10.0	10.2	
85 trans-1,3-Dichloropropene	75	9.555	9.555	0.000	93	950369	10.0	11.1	
86 Ethyl methacrylate	69	9.634	9.634	0.000	89	760195	10.0	11.0	
87 1,1,2-Trichloroethane	97	9.768	9.768	0.000	90	502445	10.0	9.90	
88 Tetrachloroethene	166	9.854	9.854	0.000	98	809533	10.0	10.0	
89 1,3-Dichloropropane	76	9.945	9.945	0.000	91	849237	10.0	10.4	
106 2-Hexanone	43	10.018	10.018	0.000	96	3099271	100.0	114.6	
108 Chlorodibromomethane	129	10.171	10.171	0.000	90	665076	10.0	10.4	
110 Ethylene Dibromide	107	10.280	10.280	0.000	99	495106	10.0	10.4	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.744	0.000	84	1853075	10.0	10.0	
112 1-Chlorohexane	91	10.768	10.768	0.000	98	952854	10.0	9.79	
113 Chlorobenzene	112	10.774	10.774	0.000	97	2069032	10.0	10.2	
114 1,1,1,2-Tetrachloroethane	131	10.859	10.859	0.000	96	724952	10.0	10.3	
115 Ethylbenzene	91	10.866	10.866	0.000	98	3420475	10.0	10.4	
116 m-Xylene & p-Xylene	106	10.987	10.987	0.000	97	2758842	20.0	20.7	
118 o-Xylene	106	11.335	11.335	0.000	96	1356965	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	11.353	11.353	0.000	95	2291966	10.0	10.6	
120 Bromoform	173	11.506	11.506	0.000	97	435399	10.0	10.8	
121 Isopropylbenzene	105	11.646	11.646	0.000	96	3491314	10.0	10.3	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	92	959199	10.0	10.1	
125 Bromobenzene	156	11.908	11.908	0.000	92	916724	10.0	10.2	
126 1,1,2,2-Tetrachloroethane	83	11.908	11.908	0.000	91	660367	10.0	10.2	
127 trans-1,4-Dichloro-2-butene	53	11.932	11.932	0.000	91	1803054	100.0	115.6	
128 1,2,3-Trichloropropane	110	11.951	11.951	0.000	80	171684	10.0	10.0	
129 N-Propylbenzene	91	11.987	11.987	0.000	99	4192111	10.0	10.5	
130 2-Chlorotoluene	126	12.060	12.060	0.000	97	883135	10.0	10.3	
131 1,3,5-Trimethylbenzene	105	12.134	12.134	0.000	94	3105699	10.0	10.4	
132 4-Chlorotoluene	126	12.158	12.158	0.000	97	922230	10.0	10.4	
133 tert-Butylbenzene	134	12.377	12.377	0.000	93	713512	10.0	10.4	
134 Pentachloroethane	167	12.408	12.408	0.000	94	589766	10.0	10.5	
135 1,2,4-Trimethylbenzene	105	12.420	12.420	0.000	97	3242306	10.0	10.5	
136 sec-Butylbenzene	105	12.542	12.542	0.000	94	3944219	10.0	10.4	
137 1,3-Dichlorobenzene	146	12.640	12.640	0.000	99	1836862	10.0	10.6	
138 4-Isopropyltoluene	119	12.658	12.658	0.000	97	3536853	10.0	10.4	
* 139 1,4-Dichlorobenzene-d4	152	12.701	12.701	0.000	93	1160831	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.719	12.719	0.000	95	1829431	10.0	10.4	
141 1,2,3-Trimethylbenzene	120	12.731	12.731	0.000	98	1472721	10.0	10.3	
142 Benzyl chloride	126	12.798	12.798	0.000	98	302290	10.0	11.4	
145 p-Diethylbenzene	119	12.932	12.932	0.000	94	2210767	10.0	10.6	M
143 n-Butylbenzene	92	12.957	12.957	0.000	97	1703384	10.0	10.8	
144 1,2-Dichlorobenzene	146	12.981	12.981	0.000	99	1724658	10.0	10.6	
148 1,2-Dibromo-3-Chloropropane	155	13.536	13.536	0.000	88	98449	10.0	11.2	
149 1,3,5-Trichlorobenzene	180	13.664	13.664	0.000	98	1455706	10.0	10.7	
150 1,2,4-Trichlorobenzene	180	14.091	14.091	0.000	94	1165926	10.0	11.2	
151 Hexachlorobutadiene	225	14.176	14.176	0.000	96	634505	10.0	10.3	
152 Naphthalene	128	14.273	14.273	0.000	97	1879407	10.0	11.3	
153 1,2,3-Trichlorobenzene	180	14.420	14.420	0.000	96	914820	10.0	11.1	
154 2-Methylnaphthalene	142	15.017	15.017	0.000	93	812570	10.0	9.72	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00075	Amount Added: 10.00	Units: uL	
MSV_LL_#2_826_00083	Amount Added: 10.00	Units: uL	
MSV_LL_GAS826_00148	Amount Added: 10.00	Units: uL	
MSV_HP25_ISSS_00068	Amount Added: 1.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X17.D

Injection Date: 01-May-2023 20:52:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: ICIS 10

Worklist Smp#: 18

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

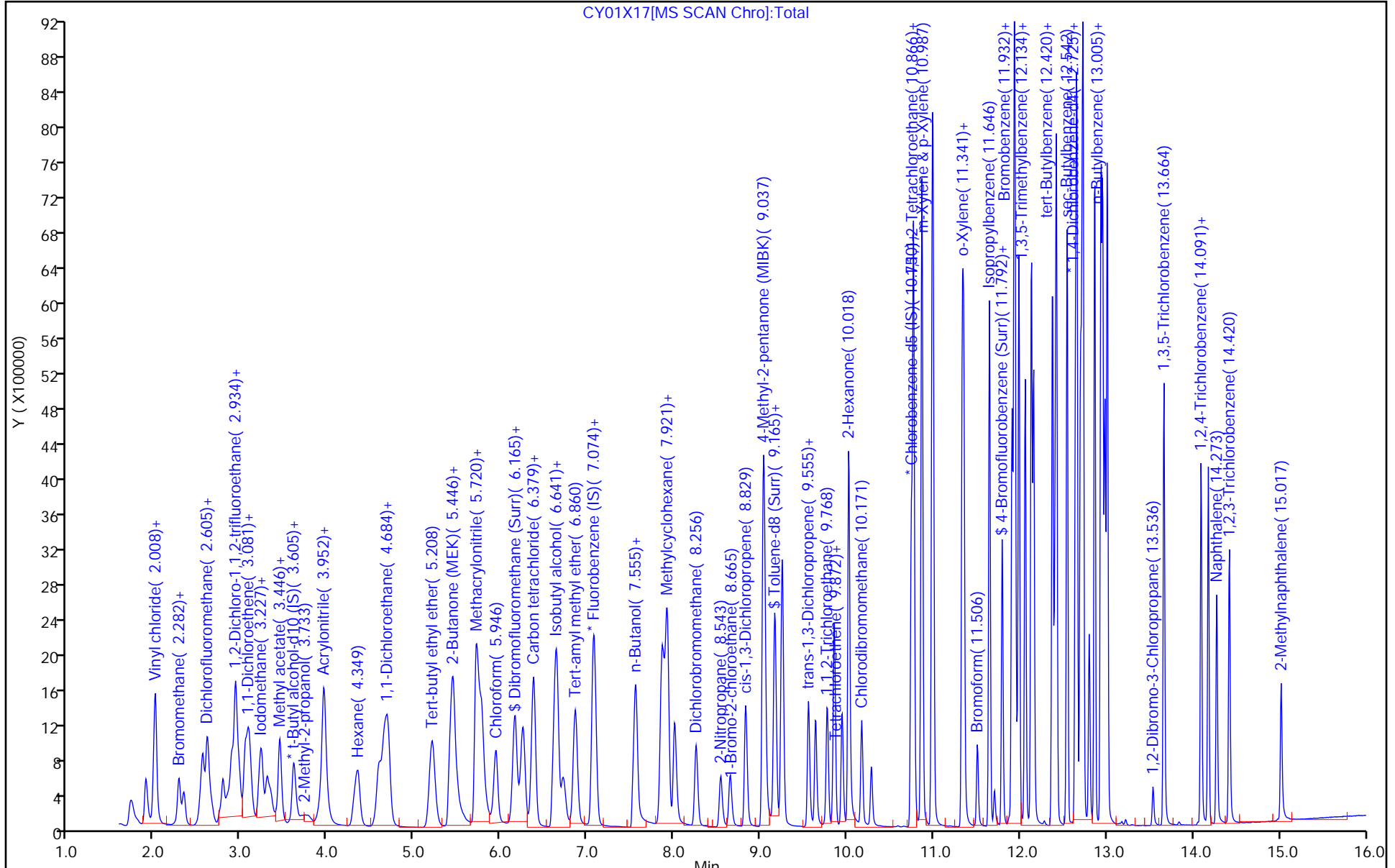
ALS Bottle#: 17

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



Eurofins Lancaster Laboratories Environment Testing, LLC

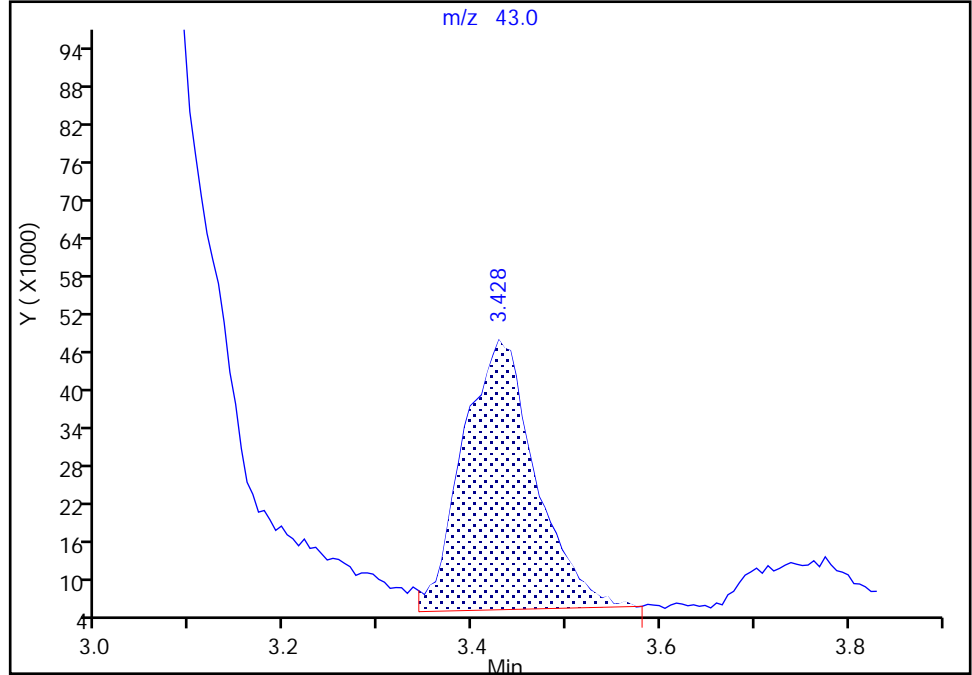
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Injection Date: 01-May-2023 20:52:30 Instrument ID: 10193
Lims ID: ICIS 10
Client ID:
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

26 Methyl acetate, CAS: 79-20-9

Signal: 1

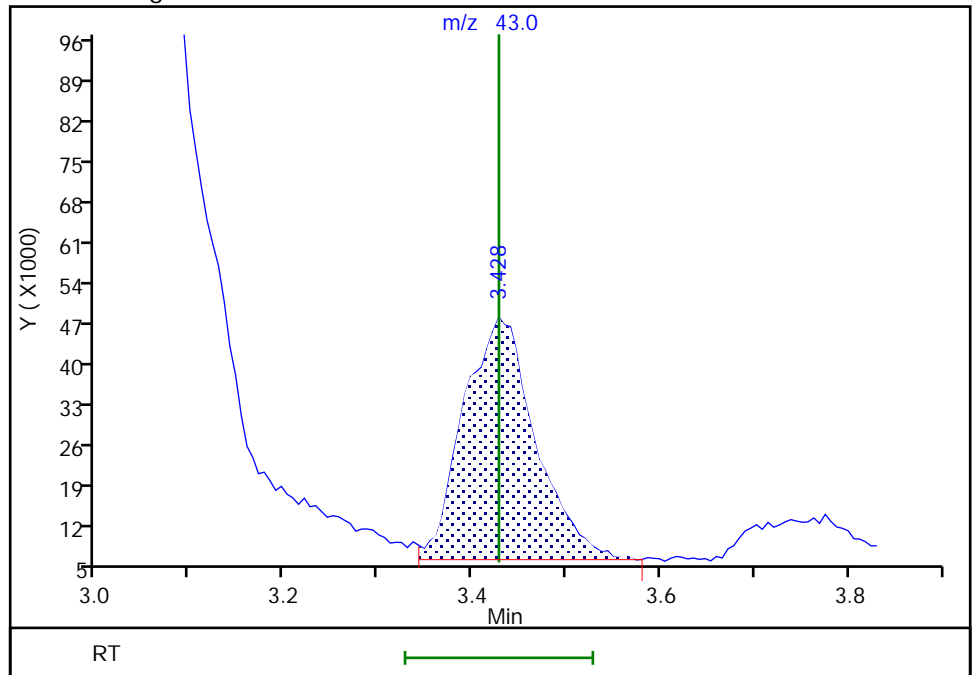
RT: 3.43
Area: 230020
Amount: 9.464779
Amount Units: ug/l

Processing Integration Results



RT: 3.43
Area: 225184
Amount: 9.292204
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 13:46:55 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Lims ID: IC std7 25
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 01-May-2023 21:14:30 ALS Bottle#: 18 Worklist Smp#: 19
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0082854-019
 Misc. Info.: IC STD7 25
 Operator ID: knk41612 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 07:28:02 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1625

First Level Reviewer: DVW2

Date: 02-May-2023 08:06:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.715	1.733	-0.018	99	1844486	25.0	24.4	Ma
5 Chloromethane	50	1.892	1.898	-0.006	99	2053703	25.0	23.2	
6 Vinyl chloride	62	1.989	1.995	-0.006	98	1996257	25.0	23.5	
7 Butadiene	39	2.001	2.008	-0.007	92	1830187	25.0	23.2	
9 Bromomethane	94	2.270	2.282	-0.012	90	1295233	25.0	22.4	
10 Chloroethane	64	2.331	2.337	-0.007	100	1139267	25.0	22.9	
11 Dichlorofluoromethane	67	2.550	2.556	-0.006	97	2753793	25.0	23.4	
12 Trichlorofluoromethane	101	2.605	2.605	0.000	98	2462862	25.0	24.3	
13 Pentane	43	2.599	2.611	-0.012	96	2171773	25.0	26.1	
14 Ethyl ether	59	2.776	2.788	-0.012	92	1264048	25.0	24.1	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.873	2.879	-0.006	93	1692291	25.0	23.5	
17 Acrolein	56	2.928	2.934	-0.006	100	8476126	1250.0	1226.6	
18 1,1-Dichloroethene	96	3.044	3.050	-0.006	97	1264796	25.0	24.8	
20 Acetone	43	3.068	3.074	-0.006	99	1803785	250.0	229.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.086	3.093	-0.007	93	1310879	25.0	25.3	
22 Iodomethane	142	3.214	3.215	-0.001	98	2627805	25.0	24.6	
24 Isopropyl alcohol	45	3.227	3.227	0.000	95	769580	500.0	505.0	
23 Ethyl bromide	108	3.227	3.239	-0.012	98	1256128	25.0	24.4	
25 Carbon disulfide	76	3.324	3.300	0.024	99	4607376	25.0	25.9	M
26 Methyl acetate	43	3.422	3.428	-0.006	95	594611	25.0	23.6	M
29 3-Chloro-1-propene	41	3.434	3.446	-0.012	91	2403755	25.0	26.2	
30 Methylene Chloride	84	3.599	3.605	-0.006	92	1560380	25.0	25.5	
* 31 t-Butyl alcohol-d10 (IS)	65	3.647	3.641	0.006	94	164937	50.0	50.0	M
32 2-Methyl-2-propanol	59	3.739	3.769	-0.030	100	1433141	500.0	453.2	
33 Acrylonitrile	53	3.891	3.910	-0.019	99	665837	62.5	58.5	
34 Methyl tert-butyl ether	73	3.946	3.952	-0.006	96	4392031	25.0	24.9	
35 trans-1,2-Dichloroethene	96	3.946	3.952	-0.006	99	1599363	25.0	25.6	
36 Hexane	57	4.330	4.349	-0.019	93	2124723	25.0	26.8	
37 1,1-Dichloroethane	63	4.574	4.586	-0.012	96	2906162	25.0	25.7	
39 Isopropyl ether	45	4.647	4.653	-0.006	93	5297680	25.0	25.8	

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	4.690	4.696	-0.006	91	2471250	25.0	27.0	
41 Tert-butyl ethyl ether	59	5.202	5.208	-0.006	98	5266739	25.0	25.5	
42 2-Butanone (MEK)	43	5.403	5.409	-0.006	99	3911262	250.0	251.1	
43 cis-1,2-Dichloroethene	96	5.440	5.446	-0.006	82	1771507	25.0	25.9	
44 2,2-Dichloropropane	77	5.446	5.452	-0.006	87	2433226	25.0	24.3	
45 Propionitrile	54	5.507	5.507	0.000	99	1901348	500.0	558.6	
47 Methacrylonitrile	67	5.714	5.720	-0.006	92	4351557	250.0	260.3	
48 Chlorobromomethane	128	5.775	5.781	-0.006	94	813810	25.0	25.6	
49 Tetrahydrofuran	71	5.787	5.787	0.000	87	573319	125.0	115.1	
50 Chloroform	83	5.933	5.940	-0.007	94	2902504	25.0	25.7	
S 52 1,2-Dichloroethene, Total	100				0			51.6	
53 1,1,1-Trichloroethane	97	6.159	6.159	0.000	98	2519111	25.0	25.3	
\$ 54 Dibromofluoromethane (Surr)	113	6.159	6.165	-0.006	95	519136	10.0	9.87	
55 Cyclohexane	56	6.257	6.257	0.000	91	2674137	25.0	26.4	
56 Carbon tetrachloride	117	6.372	6.373	-0.001	97	2249142	25.0	26.4	
57 1,1-Dichloropropene	75	6.379	6.379	-0.001	97	2227588	25.0	26.4	
58 Isobutyl alcohol	41	6.598	6.604	-0.006	94	1170943	1250.0	1466.2	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.622	6.616	0.006	98	101150	10.0	9.76	
60 Benzene	78	6.641	6.647	-0.006	96	6672524	25.0	25.9	
61 1,2-Dichloroethane	62	6.720	6.720	0.000	98	1842605	25.0	24.7	
64 Tert-amyl methyl ether	73	6.860	6.860	0.000	98	4866379	25.0	25.5	
* 65 Fluorobenzene (IS)	96	7.061	7.068	-0.007	99	2018771	10.0	10.0	
66 n-Heptane	43	7.080	7.086	-0.006	91	2285705	25.0	27.6	
67 n-Butanol	56	7.512	7.531	-0.019	88	1850544	2187.5	2232.6	
68 Trichloroethene	95	7.555	7.555	0.000	98	1783349	25.0	26.1	
69 Methylcyclohexane	83	7.860	7.860	0.000	91	2945100	25.0	26.8	
70 1,2-Dichloropropane	63	7.890	7.891	-0.001	97	1773636	25.0	26.2	
71 2-ethoxy-2-methyl butane	87	7.921	7.927	-0.006	93	2873999	25.0	26.5	
72 Dibromomethane	93	8.006	8.006	0.000	82	847077	25.0	25.3	
73 Methyl methacrylate	69	8.006	8.006	0.000	91	888840	25.0	27.1	
74 1,4-Dioxane	88	8.006	8.012	-0.006	31	224469	1250.0	1284.6	
76 Dichlorobromomethane	83	8.256	8.256	0.000	99	2229368	25.0	26.1	
77 2-Nitropropane	41	8.537	8.543	-0.006	97	1349583	125.0	128.5	
78 1-Bromo-2-chloroethane	63	8.646	8.653	-0.007	99	1809535	25.0	25.5	
80 cis-1,3-Dichloropropene	75	8.829	8.829	0.000	96	2867048	25.0	27.3	
82 4-Methyl-2-pentanone (MIBK)	43	9.037	9.037	0.000	96	11243259	250.0	260.4	
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	93	2275720	10.0	10.1	
84 Toluene	92	9.250	9.250	0.000	98	4491756	25.0	25.9	
85 trans-1,3-Dichloropropene	75	9.555	9.555	0.000	93	2506031	25.0	28.9	
86 Ethyl methacrylate	69	9.634	9.634	0.000	89	1973360	25.0	28.1	
87 1,1,2-Trichloroethane	97	9.768	9.768	0.000	91	1280918	25.0	24.8	
88 Tetrachloroethene	166	9.853	9.854	-0.001	98	2093101	25.0	25.6	
89 1,3-Dichloropropane	76	9.945	9.945	0.000	91	2183412	25.0	26.3	
106 2-Hexanone	43	10.018	10.018	0.000	95	8074177	250.0	286.9	
S 107 1,3-Dichloropropene, Total	100				0			56.3	
108 Chlorodibromomethane	129	10.170	10.171	-0.001	90	1745989	25.0	26.9	
110 Ethylene Dibromide	107	10.280	10.280	0.000	99	1278456	25.0	26.3	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.744	0.000	85	1882414	10.0	10.0	
112 1-Chlorohexane	91	10.768	10.768	0.000	98	2493152	25.0	25.2	
113 Chlorobenzene	112	10.768	10.774	-0.006	95	5284095	25.0	25.6	
114 1,1,1,2-Tetrachloroethane	131	10.859	10.859	0.000	97	1866782	25.0	26.0	
115 Ethylbenzene	91	10.865	10.866	-0.001	98	8885505	25.0	26.6	

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	10.993	10.987	0.006	97	7042683	50.0	52.0	
S 117 Xylenes, Total	106				0			78.0	
118 o-Xylene	106	11.335	11.335	0.000	96	3478903	25.0	25.9	
119 Styrene	104	11.347	11.353	-0.006	95	5931671	25.0	27.1	
120 Bromoform	173	11.506	11.506	0.000	98	1129792	25.0	27.6	
121 Isopropylbenzene	105	11.646	11.646	0.000	96	8821261	25.0	25.6	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	92	980752	10.0	10.2	
125 Bromobenzene	156	11.908	11.908	0.000	93	2329923	25.0	25.1	
126 1,1,2,2-Tetrachloroethane	83	11.908	11.908	0.000	81	1706677	25.0	25.4	
127 trans-1,4-Dichloro-2-butene	53	11.932	11.932	0.000	91	4660377	250.0	288.4	
128 1,2,3-Trichloropropane	110	11.951	11.951	0.000	79	442287	25.0	25.0	
129 N-Propylbenzene	91	11.987	11.987	0.000	98	10512116	25.0	25.5	
130 2-Chlorotoluene	126	12.060	12.060	0.000	97	2274300	25.0	25.5	
131 1,3,5-Trimethylbenzene	105	12.133	12.134	-0.001	94	7967765	25.0	25.7	
132 4-Chlorotoluene	126	12.158	12.158	0.000	97	2397519	25.0	26.1	
133 tert-Butylbenzene	134	12.377	12.377	0.000	93	1742272	25.0	24.5	
134 Pentachloroethane	167	12.408	12.408	0.000	95	1483426	25.0	25.6	
135 1,2,4-Trimethylbenzene	105	12.420	12.420	0.000	97	8353257	25.0	26.2	
136 sec-Butylbenzene	105	12.542	12.542	0.000	95	9867631	25.0	25.2	
137 1,3-Dichlorobenzene	146	12.639	12.640	-0.001	98	4699075	25.0	26.1	
138 4-Isopropyltoluene	119	12.658	12.658	0.000	96	8904015	25.0	25.4	
* 139 1,4-Dichlorobenzene-d4	152	12.694	12.701	-0.007	94	1202079	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.713	12.719	-0.006	95	4599614	25.0	25.4	
141 1,2,3-Trimethylbenzene	120	12.731	12.731	0.000	98	3759555	25.0	25.4	
142 Benzyl chloride	126	12.798	12.798	0.000	98	804820	25.0	29.4	
145 p-Diethylbenzene	119	12.932	12.932	0.000	96	5653514	25.0	26.2	
143 n-Butylbenzene	92	12.956	12.957	-0.001	98	4480154	25.0	27.5	
144 1,2-Dichlorobenzene	146	12.981	12.981	0.000	98	4378271	25.0	26.1	
148 1,2-Dibromo-3-Chloropropane	155	13.536	13.536	0.000	88	263897	25.0	29.1	
149 1,3,5-Trichlorobenzene	180	13.664	13.664	0.000	98	3707538	25.0	26.2	
150 1,2,4-Trichlorobenzene	180	14.090	14.091	-0.001	94	3064699	25.0	28.4	
151 Hexachlorobutadiene	225	14.176	14.176	0.000	97	1602514	25.0	25.2	
152 Naphthalene	128	14.273	14.273	0.000	97	5073149	25.0	29.3	
153 1,2,3-Trichlorobenzene	180	14.420	14.420	0.000	96	2450351	25.0	28.7	
154 2-Methylnaphthalene	142	15.017	15.017	0.000	92	2310857	25.0	26.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00075

Amount Added: 25.00

Units: uL

MSV_LL_#2_826_00083

Amount Added: 25.00

Units: uL

MSV_LL_GAS826_00148

Amount Added: 25.00

Units: uL

MSV_HP25_ISSS_00068

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D

Injection Date: 01-May-2023 21:14:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: IC std7 25

Worklist Smp#: 19

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

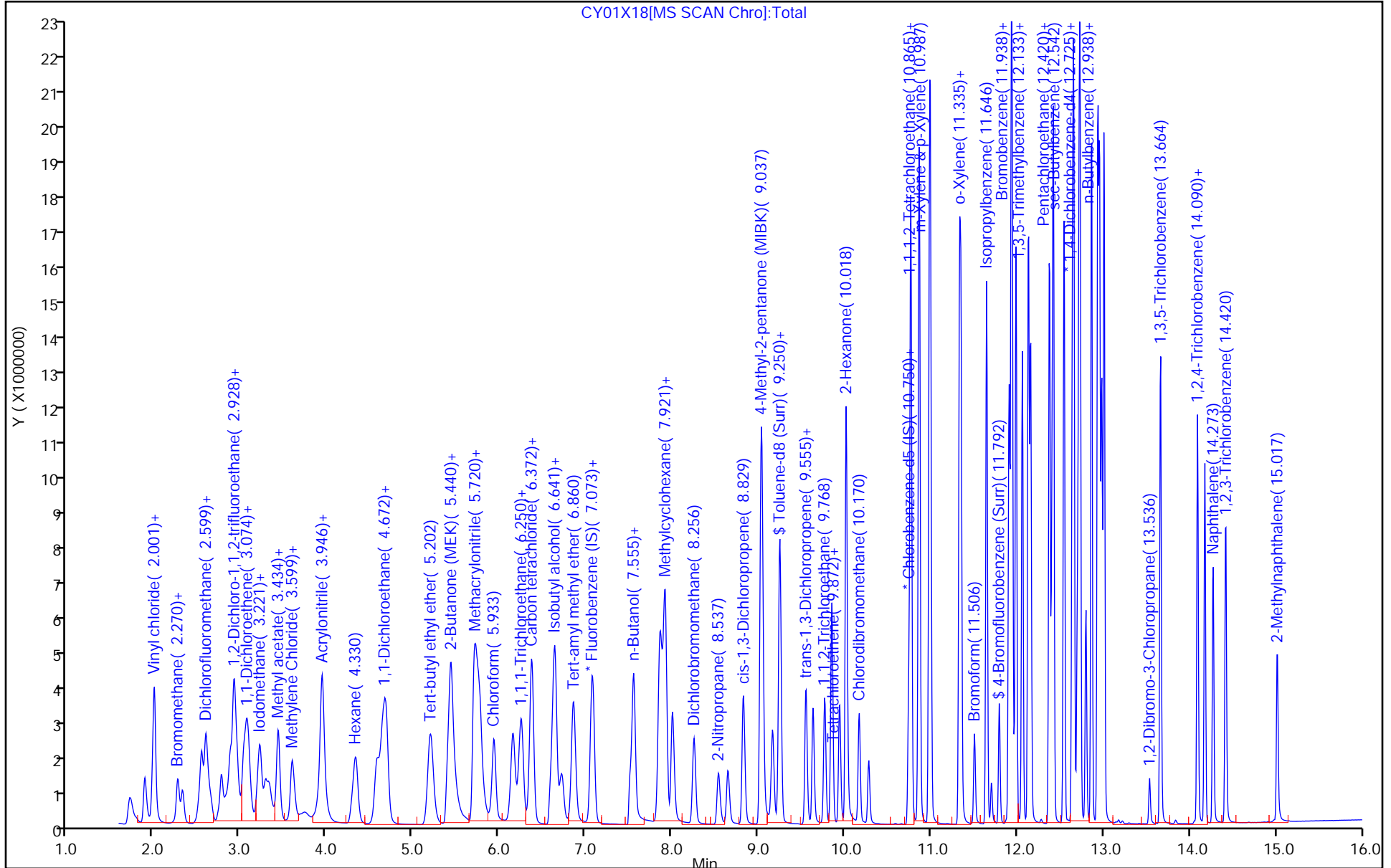
ALS Bottle#: 18

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



Eurofins Lancaster Laboratories Environment Testing, LLC

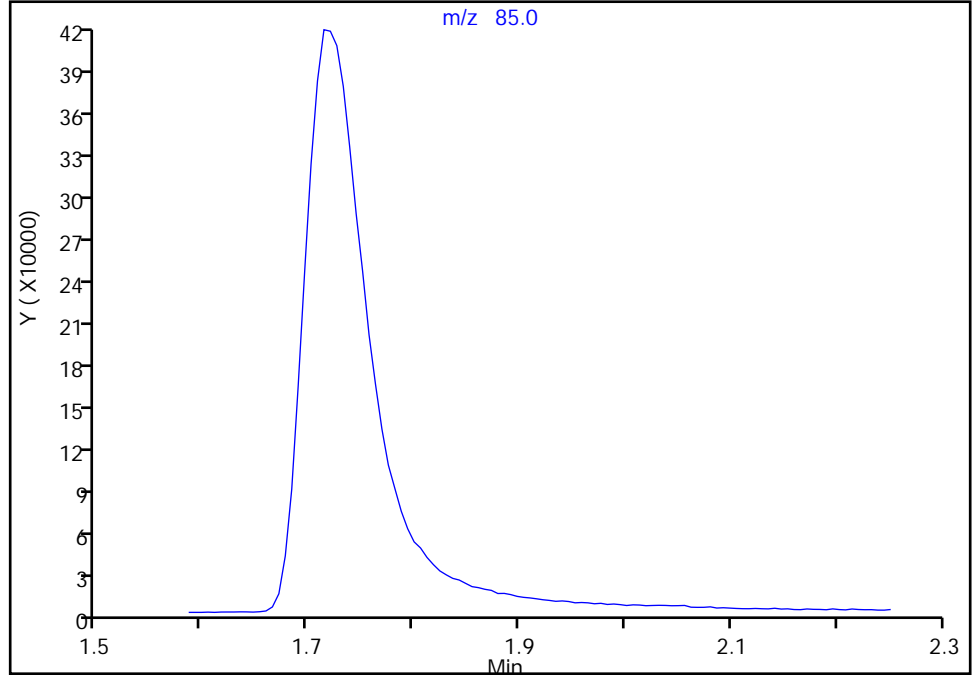
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
Injection Date: 01-May-2023 21:14:30 Instrument ID: 10193
Lims ID: IC std7 25
Client ID:
Operator ID: knk41612 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

2 Dichlorodifluoromethane, CAS: 75-71-8

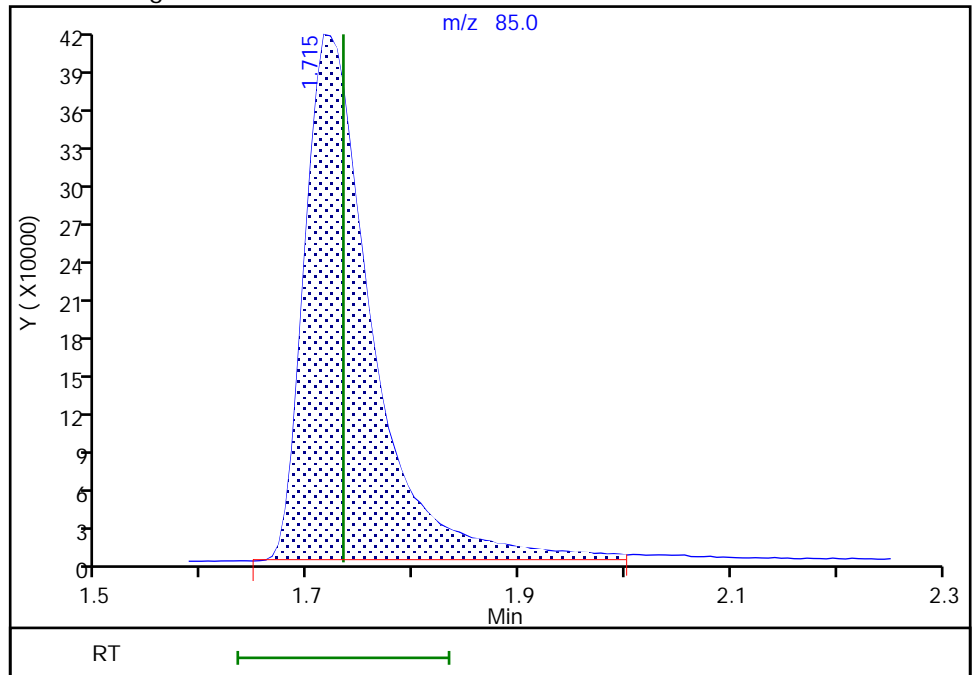
Signal: 1

Not Detected
Expected RT: 1.73

Processing Integration Results



Manual Integration Results



RT: 1.71
Area: 1844486
Amount: 24.392940
Amount Units: ug/l

Reviewer: DVW2, 02-May-2023 08:06:32 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

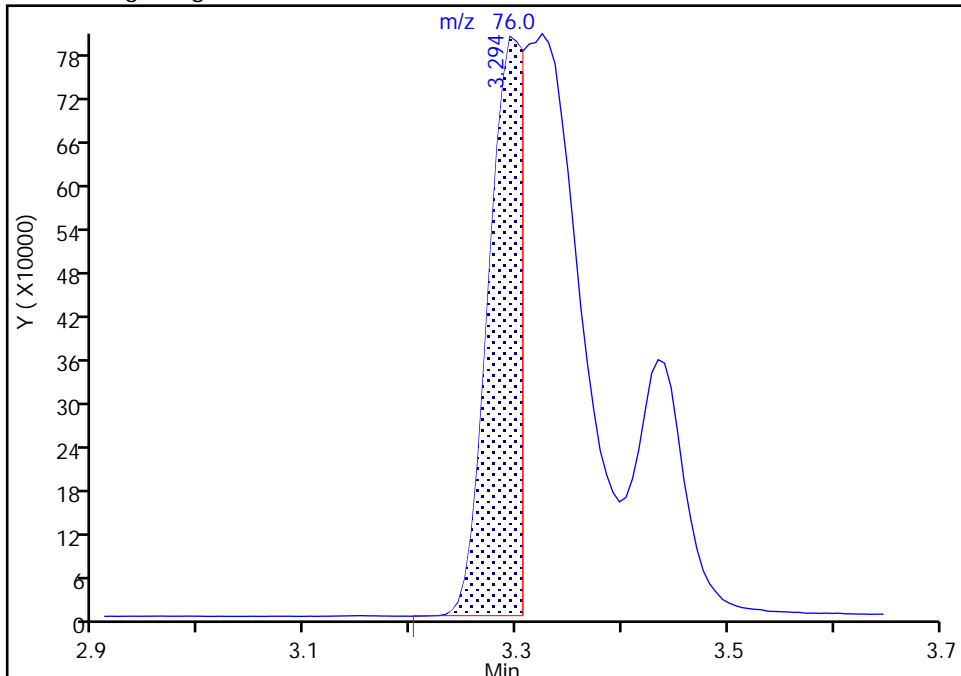
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
Injection Date: 01-May-2023 21:14:30 Instrument ID: 10193
Lims ID: IC std7 25
Client ID:
Operator ID: knk41612 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

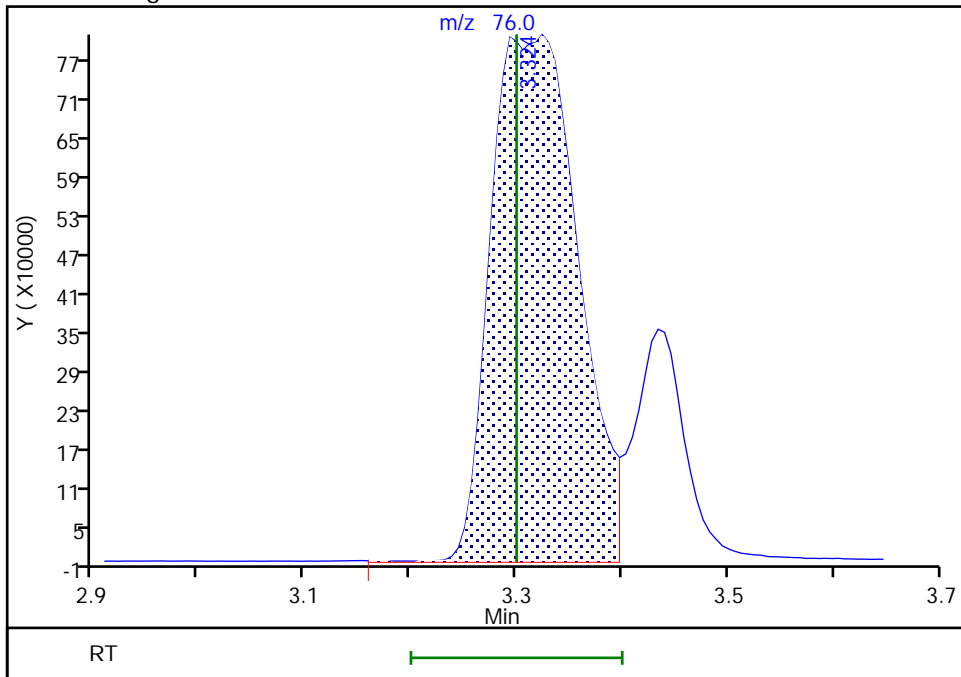
RT: 3.29
Area: 1839190
Amount: 11.367076
Amount Units: ug/l

Processing Integration Results



RT: 3.32
Area: 4607376
Amount: 25.939811
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 08:07:14 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

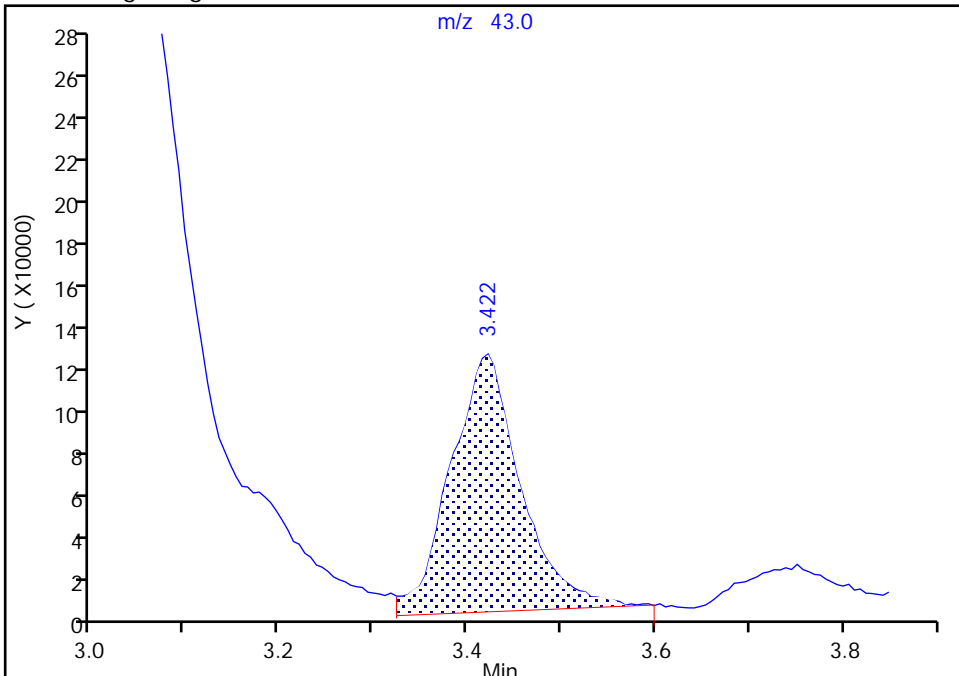
Data File:	\\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D		
Injection Date:	01-May-2023 21:14:30	Instrument ID:	10193
Lims ID:	IC std7 25		
Client ID:			
Operator ID:	knk41612	ALS Bottle#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D
Column:	Rxi-624Sil MS Capillary Column (0.25mm ID)	Detector:	MS Quad
		Worklist Smp#:	19

26 Methyl acetate, CAS: 79-20-9

Signal: 1

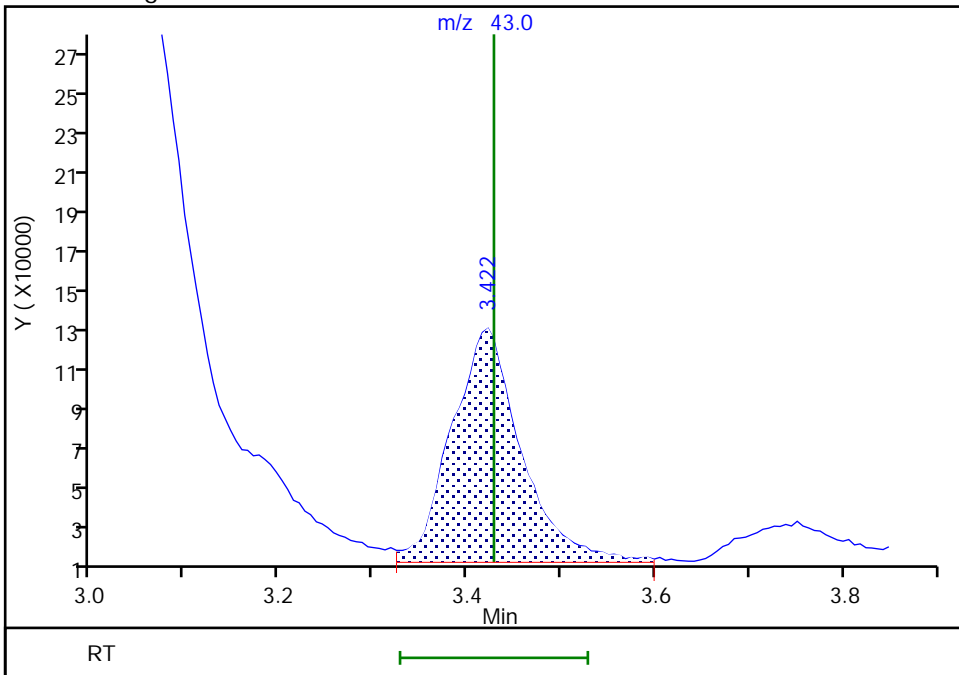
RT: 3.42
 Area: 618437
 Amount: 27.744621
 Amount Units: ug/l

Processing Integration Results



RT: 3.42
 Area: 594611
 Amount: 23.588368
 Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 08:07:23 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Euofins Lancaster Laboratories Environment Testing, LLC

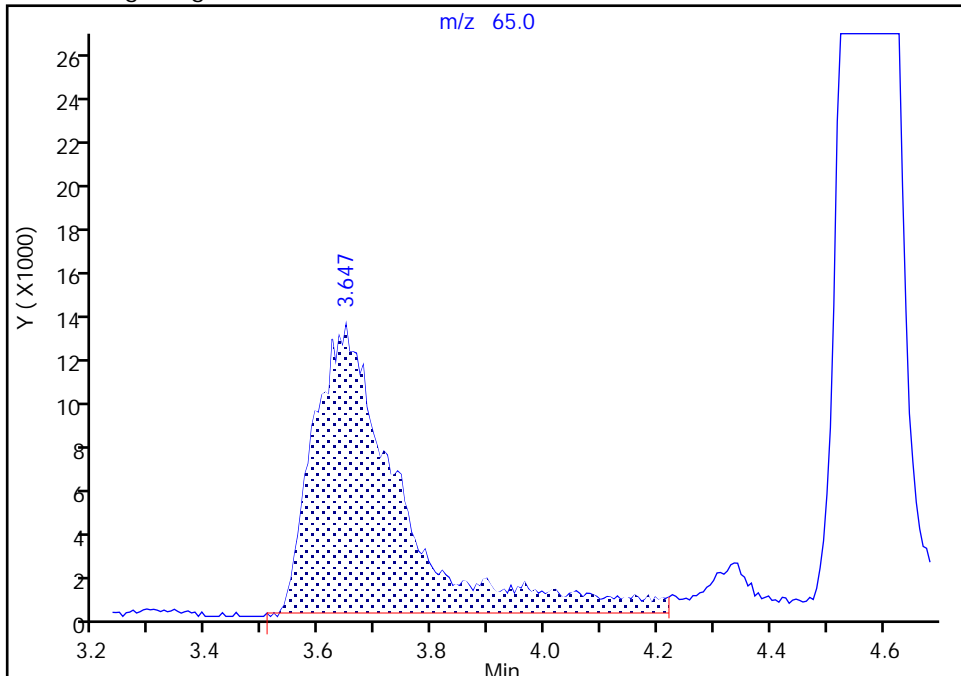
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
Injection Date: 01-May-2023 21:14:30 Instrument ID: 10193
Lims ID: IC std7 25
Client ID:
Operator ID: knk41612 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 31 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

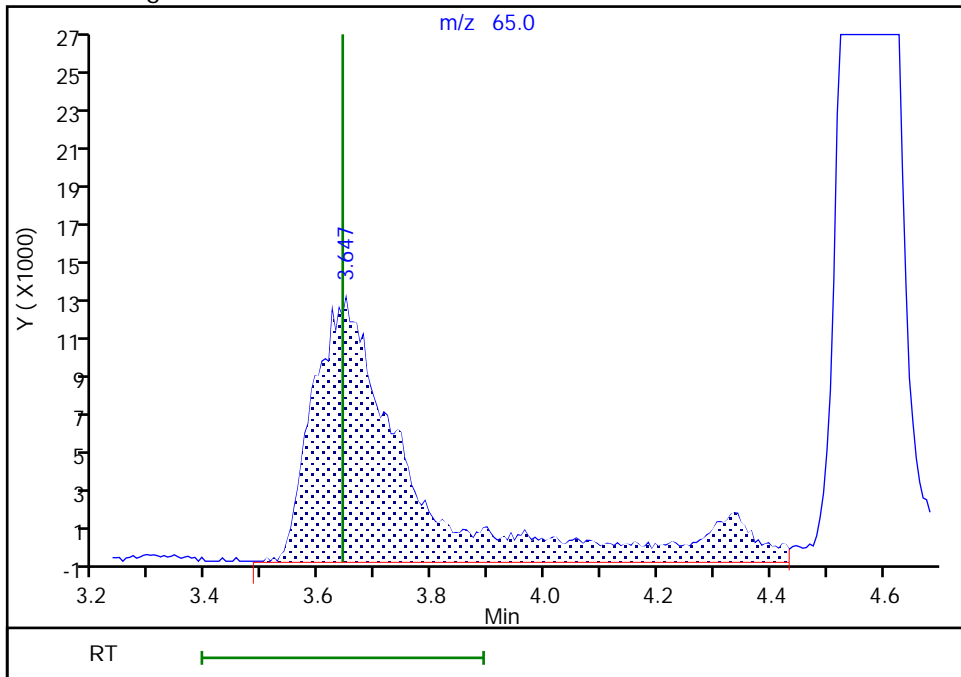
RT: 3.65
Area: 141750
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 3.65
Area: 164937
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-May-2023 08:07:41 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Calibration

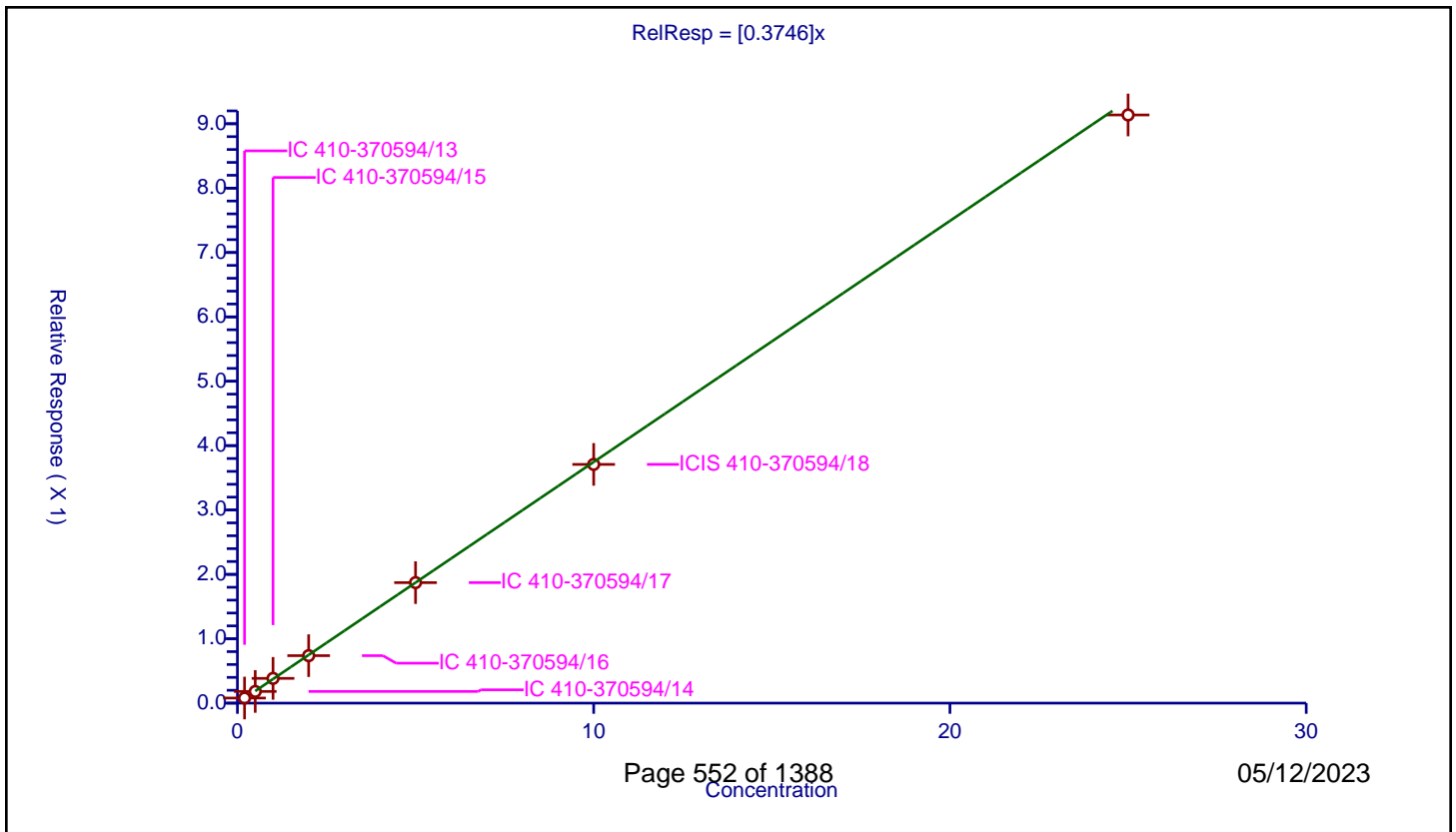
/ Dichlorodifluoromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3746

Error Coefficients	
Standard Error:	827000
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 410-370594/13	0.2	0.079023	10.0	1960073.0	0.395113	Y
2	IC 410-370594/14	0.5	0.181399	10.0	1943779.0	0.362798	Y
3	IC 410-370594/15	1.0	0.384618	10.0	1958541.0	0.384618	Y
4	IC 410-370594/16	2.0	0.737351	10.0	1967571.0	0.368675	Y
5	IC 410-370594/17	5.0	1.872093	10.0	1980922.0	0.374419	Y
6	ICIS 410-370594/18	10.0	3.708464	10.0	1979051.0	0.370846	Y
7	IC 410-370594/19	25.0	9.136678	10.0	2018771.0	0.365467	Y



Calibration

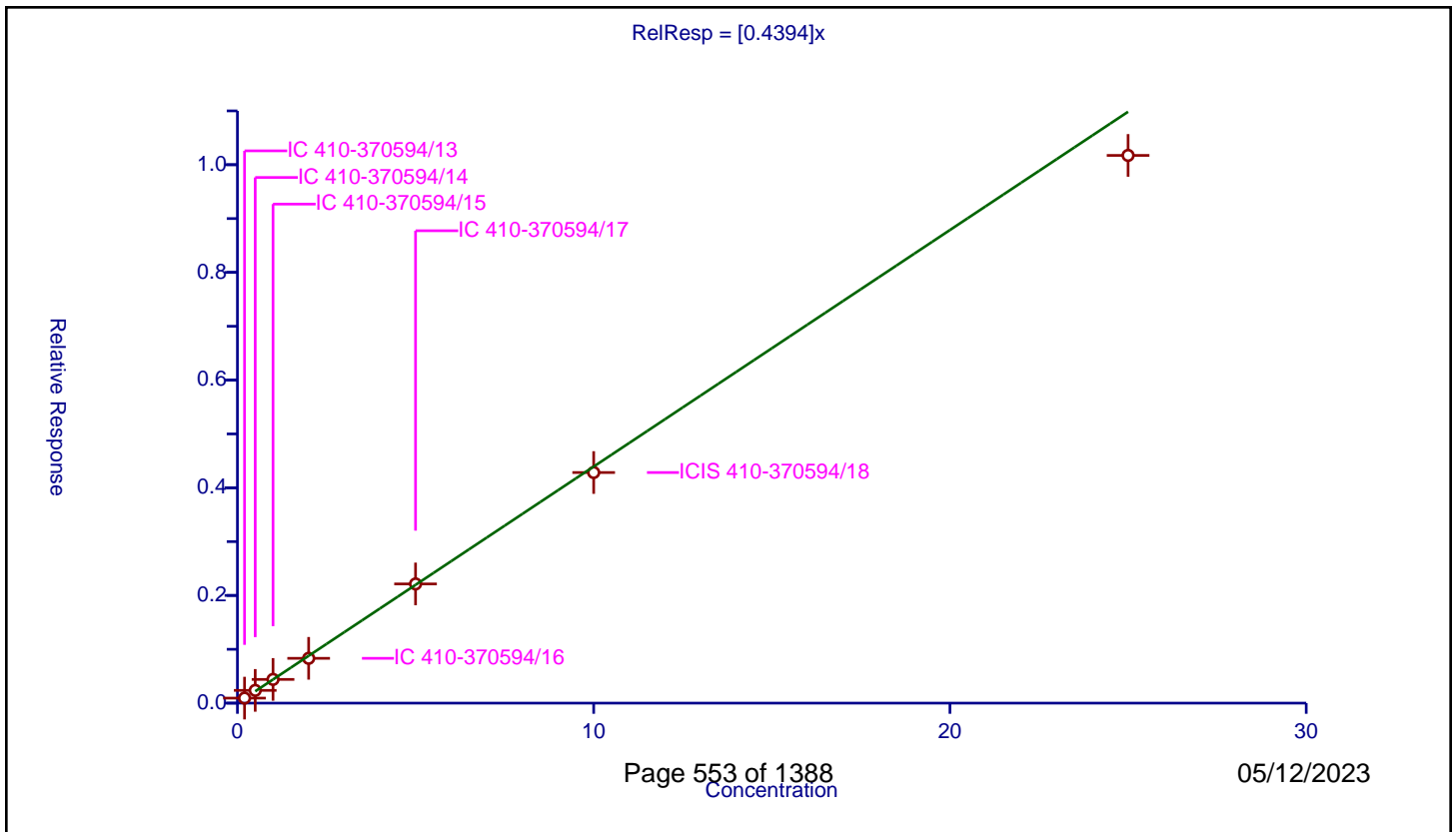
/ Chloromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4394

Error Coefficients	
Standard Error:	928000
Relative Standard Error:	5.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	0.093471	10.0	1960073.0	0.467355	Y
2	IC 410-370594/14	0.5	0.236622	10.0	1943779.0	0.473243	Y
3	IC 410-370594/15	1.0	0.440675	10.0	1958541.0	0.440675	Y
4	IC 410-370594/16	2.0	0.832488	10.0	1967571.0	0.416244	Y
5	IC 410-370594/17	5.0	2.213722	10.0	1980922.0	0.442744	Y
6	ICIS 410-370594/18	10.0	4.283144	10.0	1979051.0	0.428314	Y
7	IC 410-370594/19	25.0	10.173036	10.0	2018771.0	0.406921	Y



Calibration

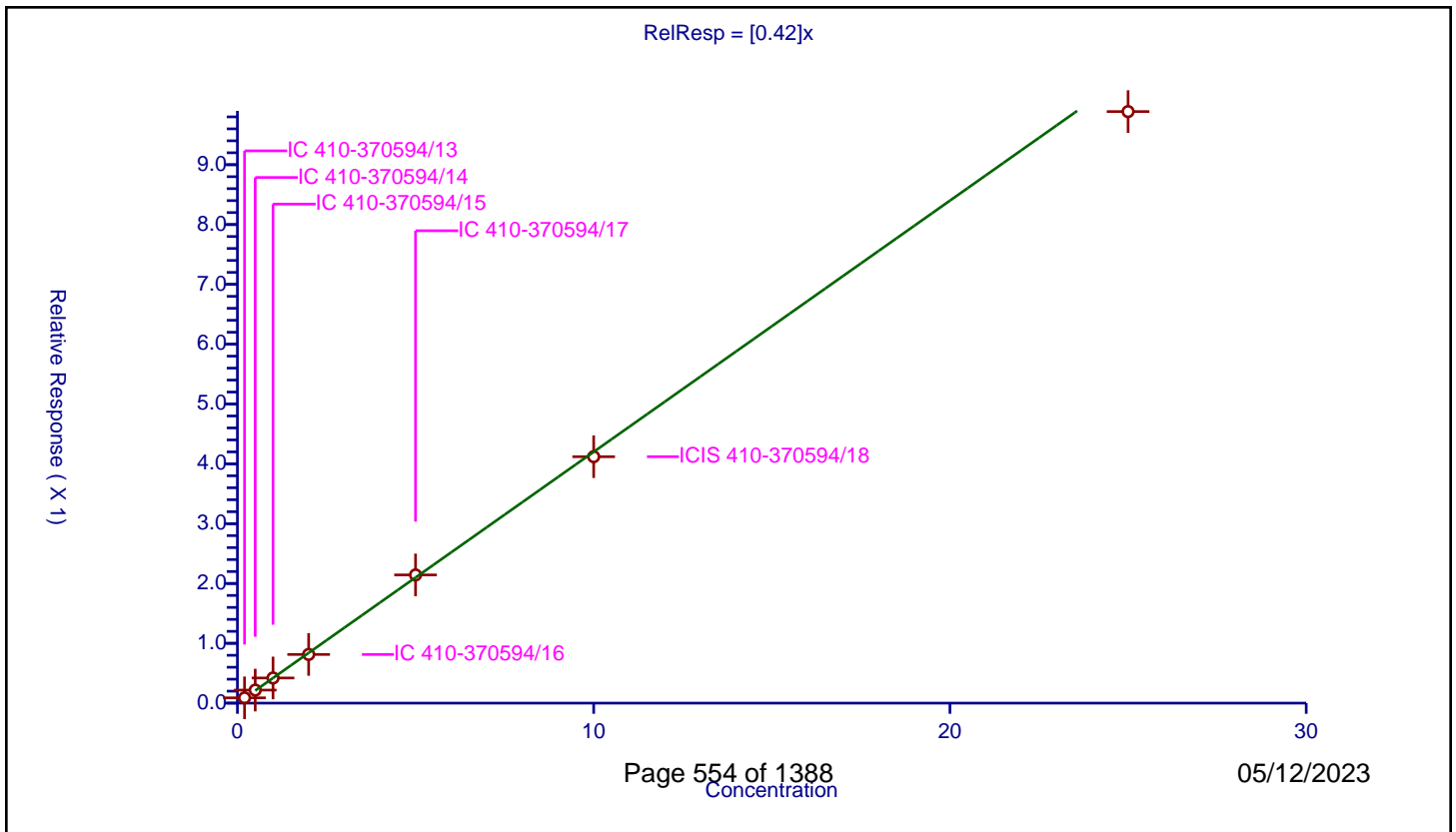
/ Vinyl chloride

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

Curve Coefficients	
Intercept:	0
Slope:	0.42

Error Coefficients	
Standard Error:	900000
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 410-370594/13	0.2	0.088221	10.0	1960073.0	0.441106	Y
2	IC 410-370594/14	0.5	0.217761	10.0	1943779.0	0.435523	Y
3	IC 410-370594/15	1.0	0.42043	10.0	1958541.0	0.42043	Y
4	IC 410-370594/16	2.0	0.813765	10.0	1967571.0	0.406882	Y
5	IC 410-370594/17	5.0	2.14282	10.0	1980922.0	0.428564	Y
6	ICIS 410-370594/18	10.0	4.119479	10.0	1979051.0	0.411948	Y
7	IC 410-370594/19	25.0	9.888477	10.0	2018771.0	0.395539	Y



Calibration

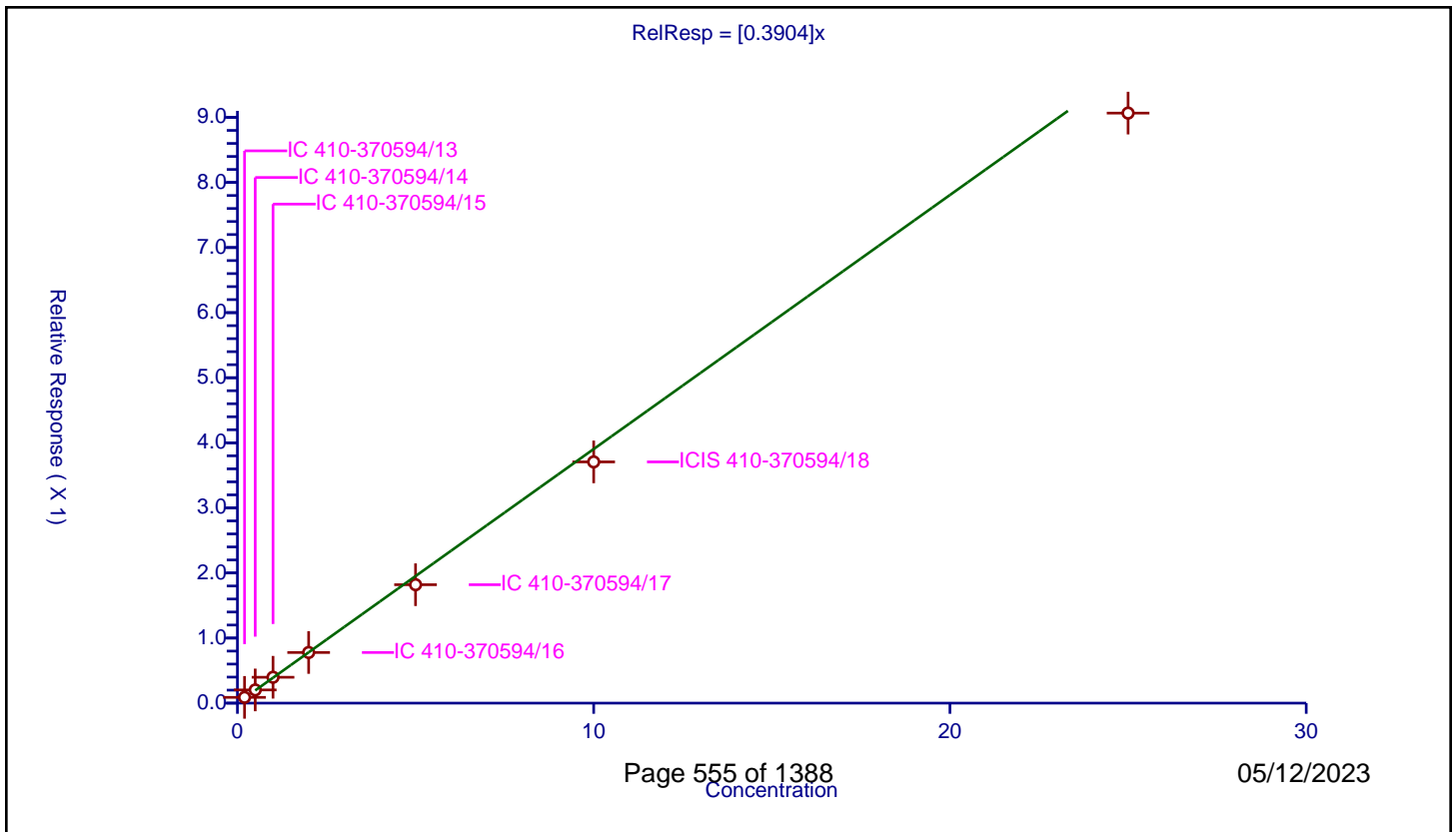
/ Butadiene

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

Curve Coefficients	
Intercept:	0
Slope:	0.3904

Error Coefficients	
Standard Error:	821000
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 410-370594/13	0.2	0.088629	10.0	1960073.0	0.443147	Y
2	IC 410-370594/14	0.5	0.202739	10.0	1943779.0	0.405478	Y
3	IC 410-370594/15	1.0	0.397699	10.0	1958541.0	0.397699	Y
4	IC 410-370594/16	2.0	0.778056	10.0	1967571.0	0.389028	Y
5	IC 410-370594/17	5.0	1.819834	10.0	1980922.0	0.363967	Y
6	ICIS 410-370594/18	10.0	3.706595	10.0	1979051.0	0.370659	Y
7	IC 410-370594/19	25.0	9.065847	10.0	2018771.0	0.362634	Y



Calibration

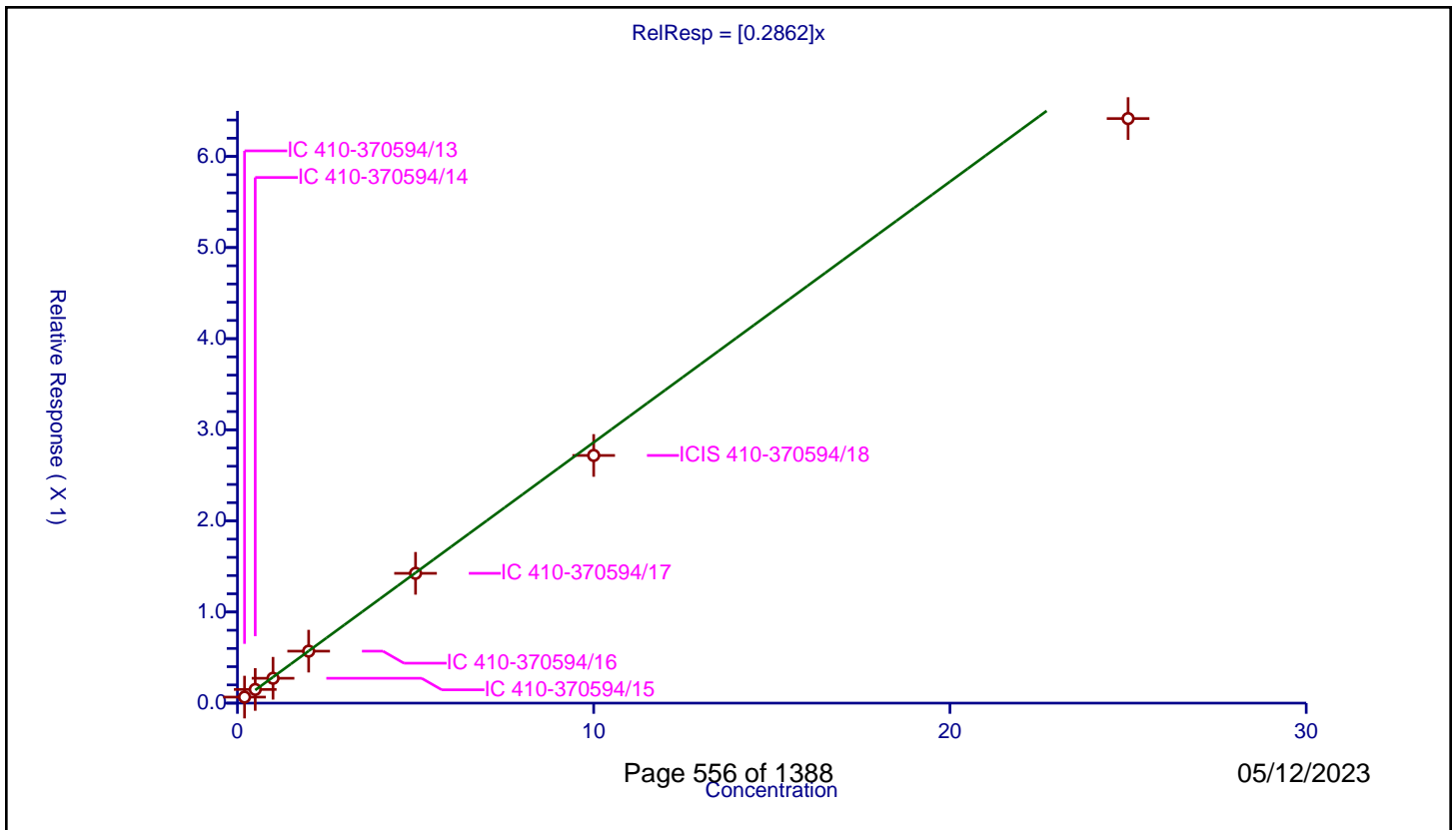
/ Bromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2862

Error Coefficients	
Standard Error:	586000
Relative Standard Error:	8.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	0.066288	10.0	1960073.0	0.331442	Y
2	IC 410-370594/14	0.5	0.15012	10.0	1943779.0	0.30024	Y
3	IC 410-370594/15	1.0	0.27282	10.0	1958541.0	0.27282	Y
4	IC 410-370594/16	2.0	0.57046	10.0	1967571.0	0.28523	Y
5	IC 410-370594/17	5.0	1.424655	10.0	1980922.0	0.284931	Y
6	ICIS 410-370594/18	10.0	2.718273	10.0	1979051.0	0.271827	Y
7	IC 410-370594/19	25.0	6.415948	10.0	2018771.0	0.256638	Y



Calibration

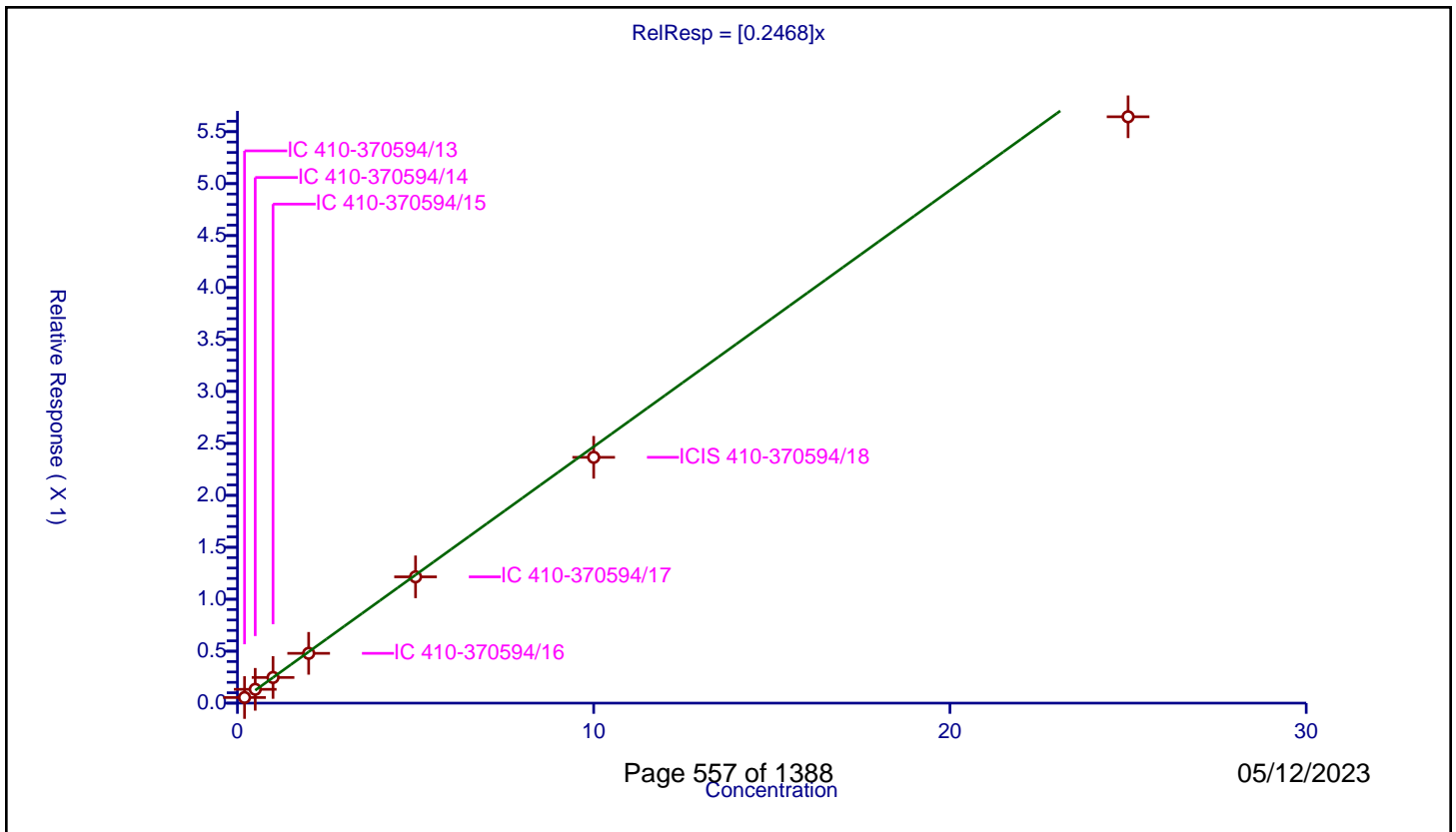
/ Chloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2468

Error Coefficients	
Standard Error:	514000
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 410-370594/13	0.2	0.053957	10.0	1960073.0	0.269786	Y
2	IC 410-370594/14	0.5	0.132891	10.0	1943779.0	0.265781	Y
3	IC 410-370594/15	1.0	0.246898	10.0	1958541.0	0.246898	Y
4	IC 410-370594/16	2.0	0.479205	10.0	1967571.0	0.239603	Y
5	IC 410-370594/17	5.0	1.215368	10.0	1980922.0	0.243074	Y
6	ICIS 410-370594/18	10.0	2.365831	10.0	1979051.0	0.236583	Y
7	IC 410-370594/19	25.0	5.643369	10.0	2018771.0	0.225735	Y



Calibration

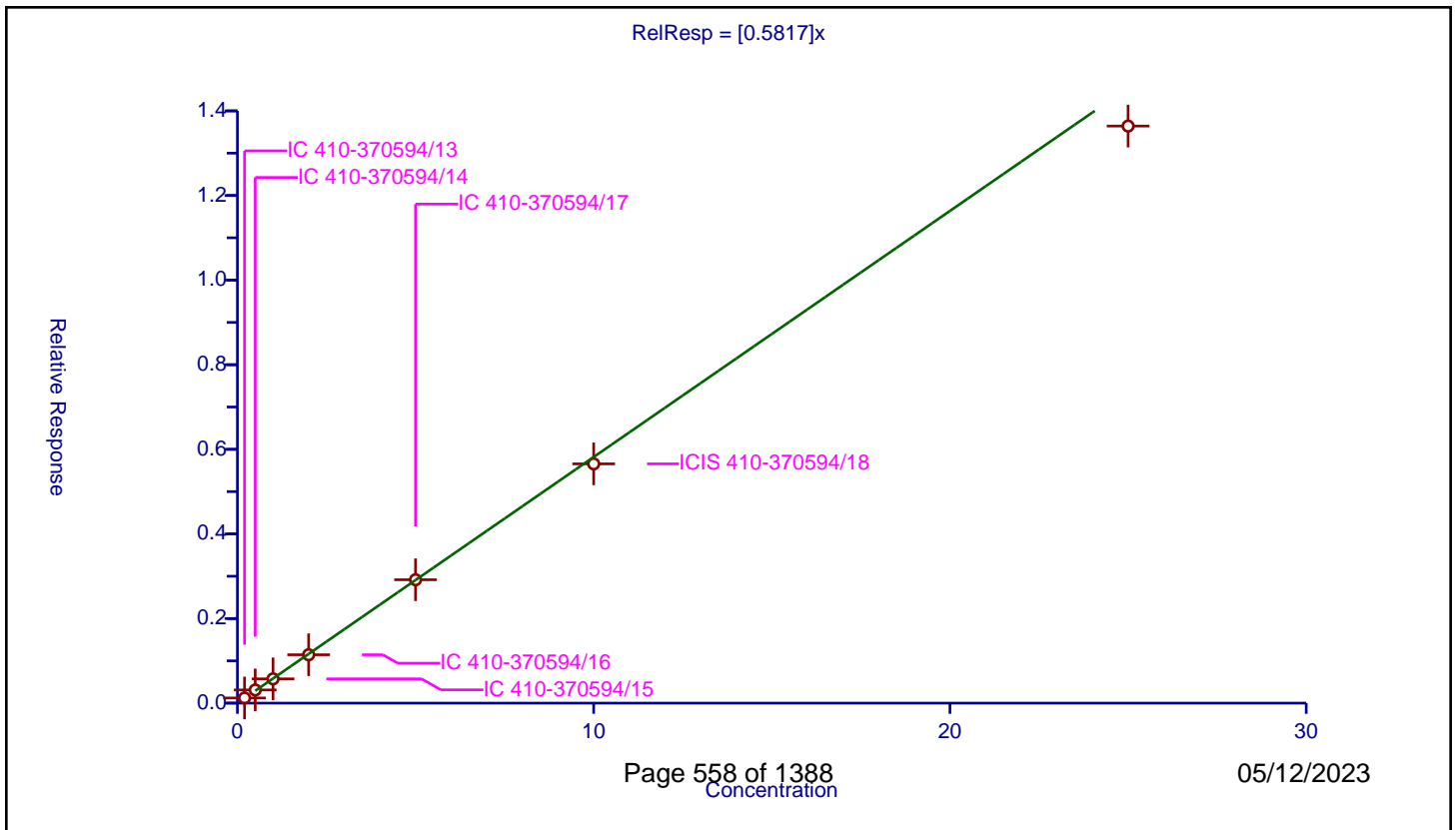
/ Dichlorofluoromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.5817

Error Coefficients	
Standard Error:	1240000
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 410-370594/13	0.2	0.12199	10.0	1960073.0	0.609952	Y
2	IC 410-370594/14	0.5	0.311044	10.0	1943779.0	0.622087	Y
3	IC 410-370594/15	1.0	0.573759	10.0	1958541.0	0.573759	Y
4	IC 410-370594/16	2.0	1.143872	10.0	1967571.0	0.571936	Y
5	IC 410-370594/17	5.0	2.916304	10.0	1980922.0	0.583261	Y
6	ICIS 410-370594/18	10.0	5.656004	10.0	1979051.0	0.5656	Y
7	IC 410-370594/19	25.0	13.640938	10.0	2018771.0	0.545638	Y



Calibration

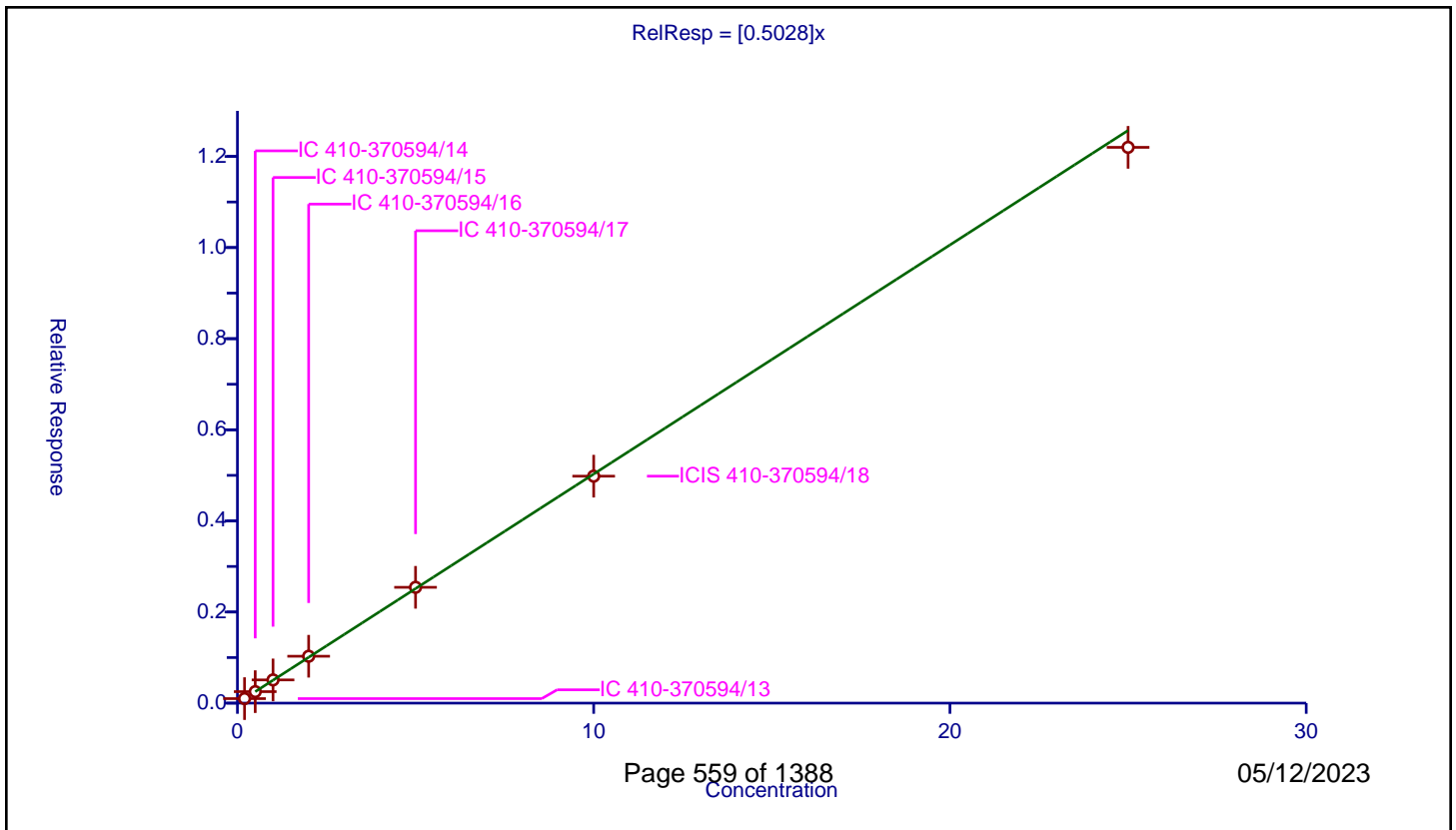
/ Trichlorofluoromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.5028

Error Coefficients	
Standard Error:	1110000
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 410-370594/13	0.2	0.099333	10.0	1960073.0	0.496665	Y
2	IC 410-370594/14	0.5	0.252205	10.0	1943779.0	0.504409	Y
3	IC 410-370594/15	1.0	0.509599	10.0	1958541.0	0.509599	Y
4	IC 410-370594/16	2.0	1.029096	10.0	1967571.0	0.514548	Y
5	IC 410-370594/17	5.0	2.542488	10.0	1980922.0	0.508498	Y
6	ICIS 410-370594/18	10.0	4.98211	10.0	1979051.0	0.498211	Y
7	IC 410-370594/19	25.0	12.199809	10.0	2018771.0	0.487992	Y



Calibration

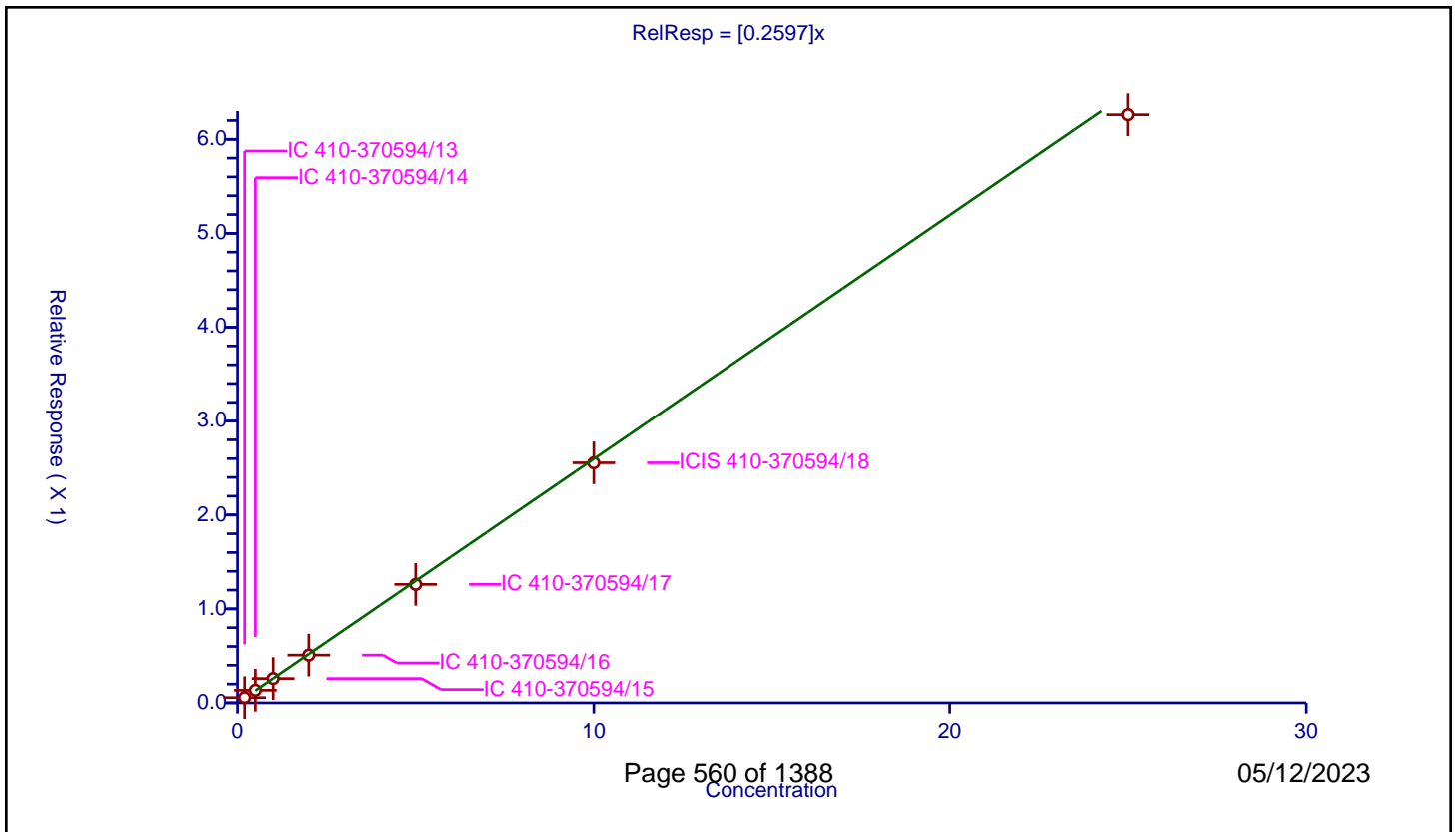
/ Ethyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.2597

Error Coefficients	
Standard Error:	567000
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 410-370594/13	0.199998	0.055707	10.0	1960073.0	0.278538	Y
2	IC 410-370594/14	0.499996	0.134223	10.0	1943779.0	0.268448	Y
3	IC 410-370594/15	0.999992	0.258534	10.0	1958541.0	0.258536	Y
4	IC 410-370594/16	1.999985	0.508073	10.0	1967571.0	0.254039	Y
5	IC 410-370594/17	4.999962	1.260792	10.0	1980922.0	0.25216	Y
6	ICIS 410-370594/18	9.999924	2.555326	10.0	1979051.0	0.255535	Y
7	IC 410-370594/19	24.99981	6.261473	10.0	2018771.0	0.250461	Y



Calibration

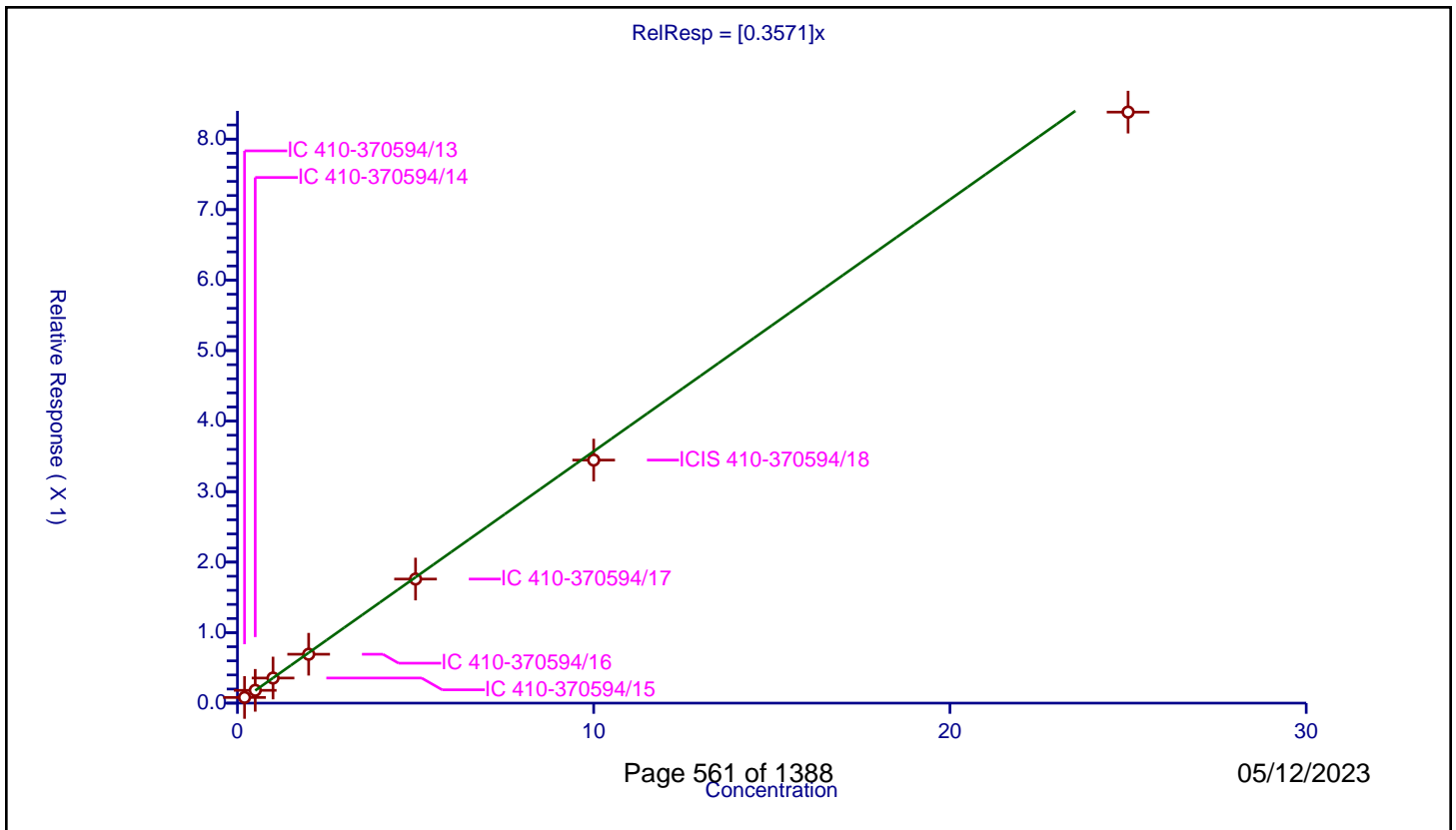
/ 1,2-Dichloro-1,1,2-trifluoroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3571

Error Coefficients	
Standard Error:	761000
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 410-370594/13	0.2	0.080446	10.0	1960073.0	0.40223	Y
2	IC 410-370594/14	0.5	0.181559	10.0	1943779.0	0.363117	Y
3	IC 410-370594/15	1.0	0.355923	10.0	1958541.0	0.355923	Y
4	IC 410-370594/16	2.0	0.693205	10.0	1967571.0	0.346602	Y
5	IC 410-370594/17	5.0	1.759923	10.0	1980922.0	0.351985	Y
6	ICIS 410-370594/18	10.0	3.447112	10.0	1979051.0	0.344711	Y
7	IC 410-370594/19	25.0	8.382778	10.0	2018771.0	0.335311	Y



Calibration

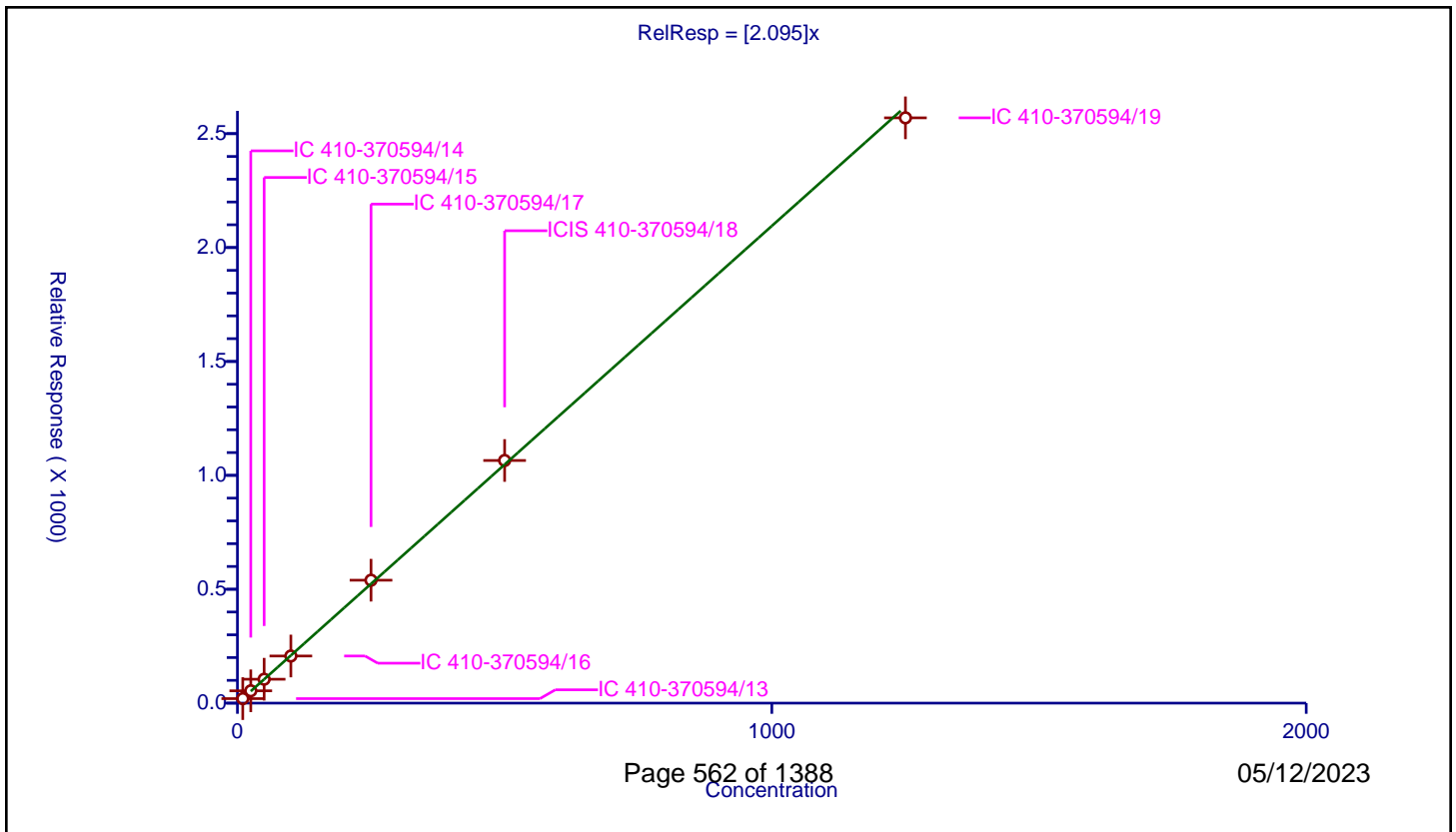
/ Acrolein

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

Curve Coefficients	
Intercept:	0
Slope:	2.095

Error Coefficients	
Standard Error:	3800000
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 410-370594/13	10.000253	19.877132	50.0	157568.0	1.987663	Y
2	IC 410-370594/14	25.000632	54.094707	50.0	155237.0	2.163734	Y
3	IC 410-370594/15	50.001264	104.948867	50.0	157531.0	2.098924	Y
4	IC 410-370594/16	100.002528	206.938871	50.0	155263.0	2.069336	Y
5	IC 410-370594/17	250.006319	539.656441	50.0	154995.0	2.158571	Y
6	ICIS 410-370594/18	500.012639	1065.197745	50.0	158563.0	2.130342	Y
7	IC 410-370594/19	1250.031597	2569.504114	50.0	164937.0	2.055551	Y



Calibration

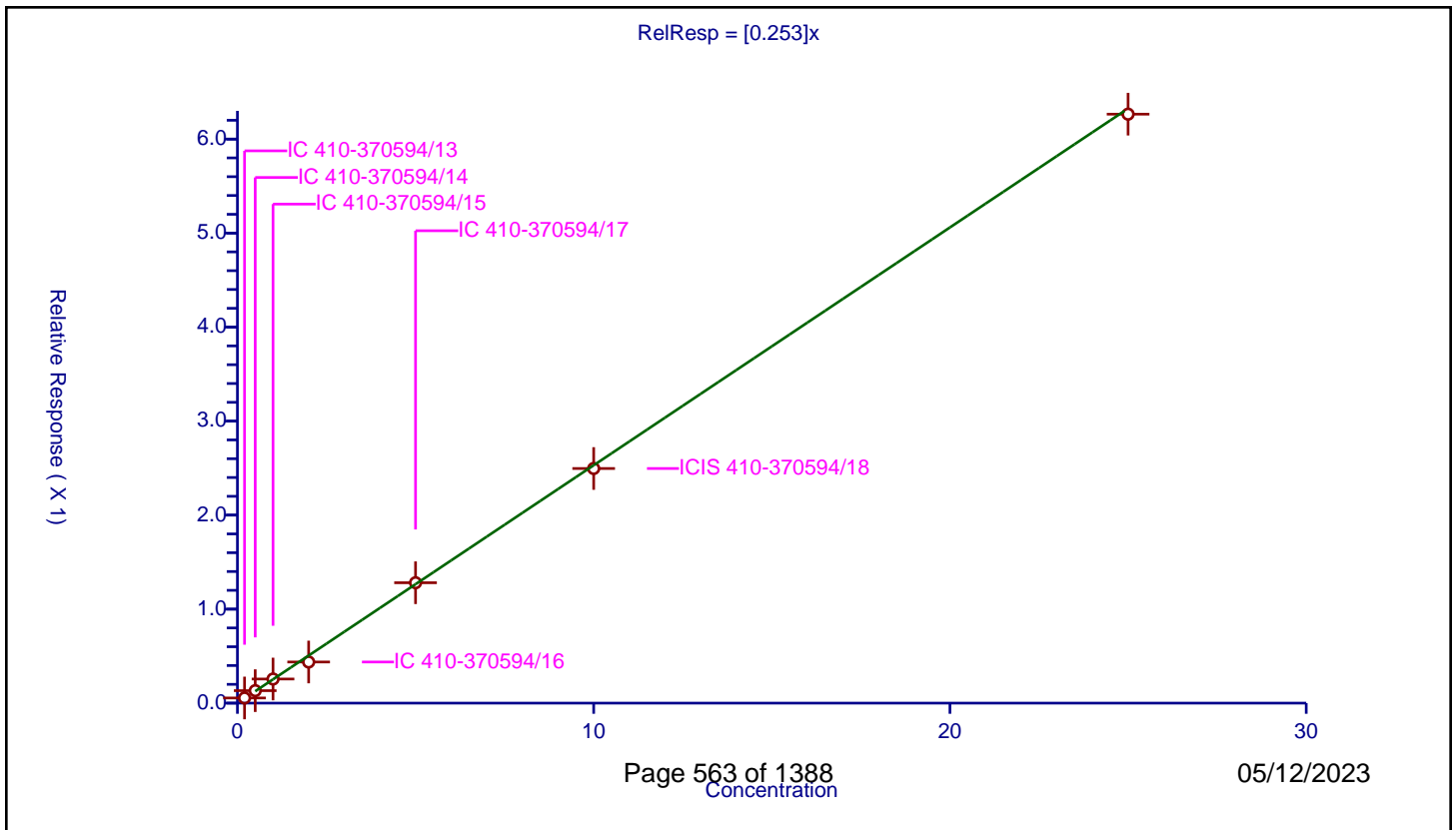
/ 1,1-Dichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.253

Error Coefficients	
Standard Error:	566000
Relative Standard Error:	6.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	0.054804	10.0	1960073.0	0.27402	Y
2	IC 410-370594/14	0.5	0.132716	10.0	1943779.0	0.265431	Y
3	IC 410-370594/15	1.0	0.256492	10.0	1958541.0	0.256492	Y
4	IC 410-370594/16	2.0	0.437519	10.0	1967571.0	0.21876	Y
5	IC 410-370594/17	5.0	1.280697	10.0	1980922.0	0.256139	Y
6	ICIS 410-370594/18	10.0	2.495863	10.0	1979051.0	0.249586	Y
7	IC 410-370594/19	25.0	6.265178	10.0	2018771.0	0.250607	Y



Calibration

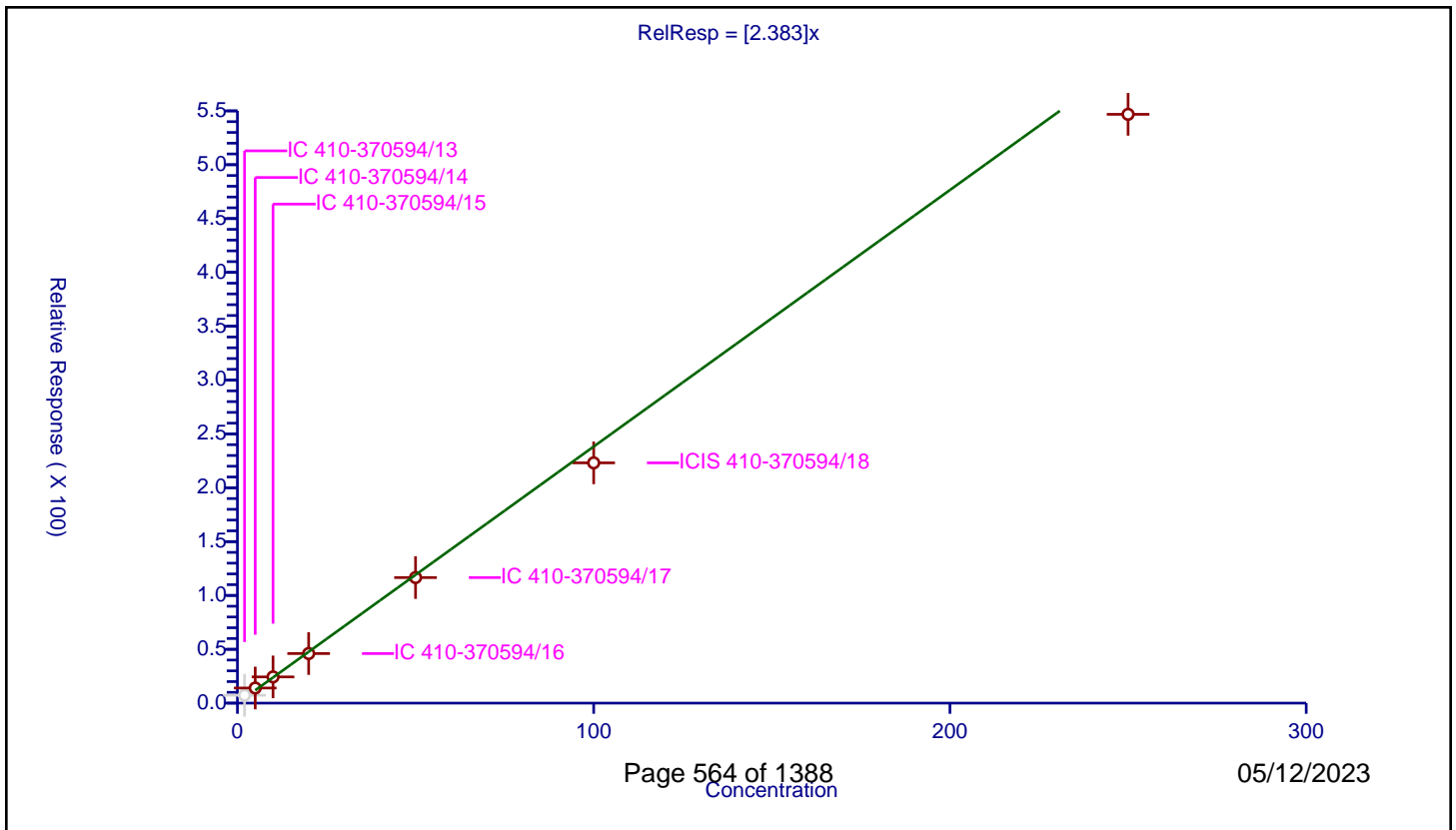
/ Acetone

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

Curve Coefficients	
Intercept:	0
Slope:	2.383

Error Coefficients	
Standard Error:	884000
Relative Standard Error:	9.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	2.0	7.330803	50.0	157568.0	3.665402	N
2	IC 410-370594/14	5.0	14.031127	50.0	155237.0	2.806225	Y
3	IC 410-370594/15	10.0	24.358063	50.0	157531.0	2.435806	Y
4	IC 410-370594/16	20.0	46.053149	50.0	155263.0	2.302657	Y
5	IC 410-370594/17	50.0	116.60731	50.0	154995.0	2.332146	Y
6	ICIS 410-370594/18	100.0	223.13686	50.0	158563.0	2.231369	Y
7	IC 410-370594/19	250.0	546.810297	50.0	164937.0	2.187241	Y



Calibration

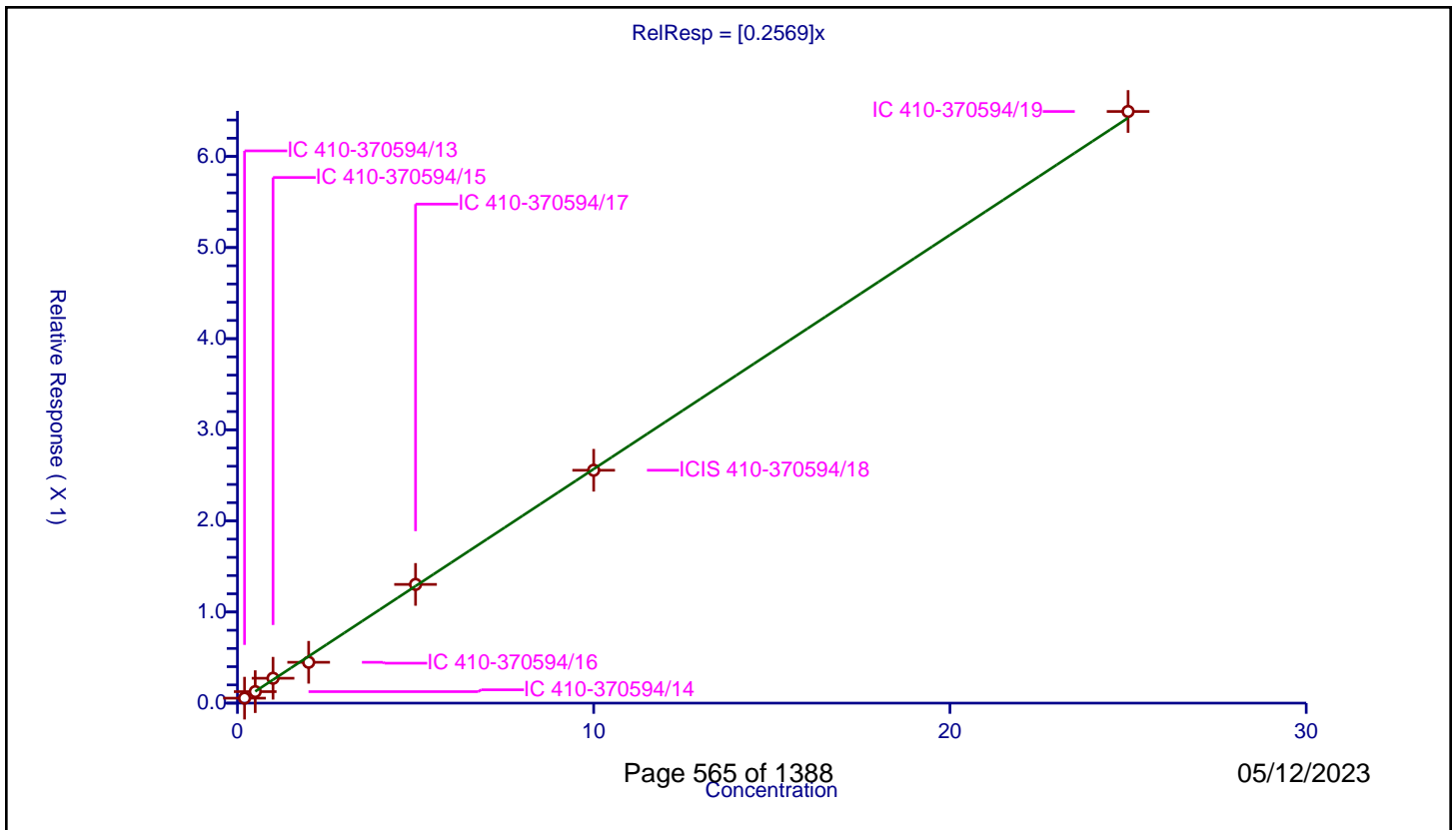
/ 1,1,2-Trichloro-1,2,2-trifluoroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2569

Error Coefficients	
Standard Error:	585000
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 410-370594/13	0.2	0.054574	10.0	1960073.0	0.272872	Y
2	IC 410-370594/14	0.5	0.126254	10.0	1943779.0	0.252508	Y
3	IC 410-370594/15	1.0	0.273045	10.0	1958541.0	0.273045	Y
4	IC 410-370594/16	2.0	0.448213	10.0	1967571.0	0.224106	Y
5	IC 410-370594/17	5.0	1.302949	10.0	1980922.0	0.26059	Y
6	ICIS 410-370594/18	10.0	2.555796	10.0	1979051.0	0.25558	Y
7	IC 410-370594/19	25.0	6.493451	10.0	2018771.0	0.259738	Y



Calibration

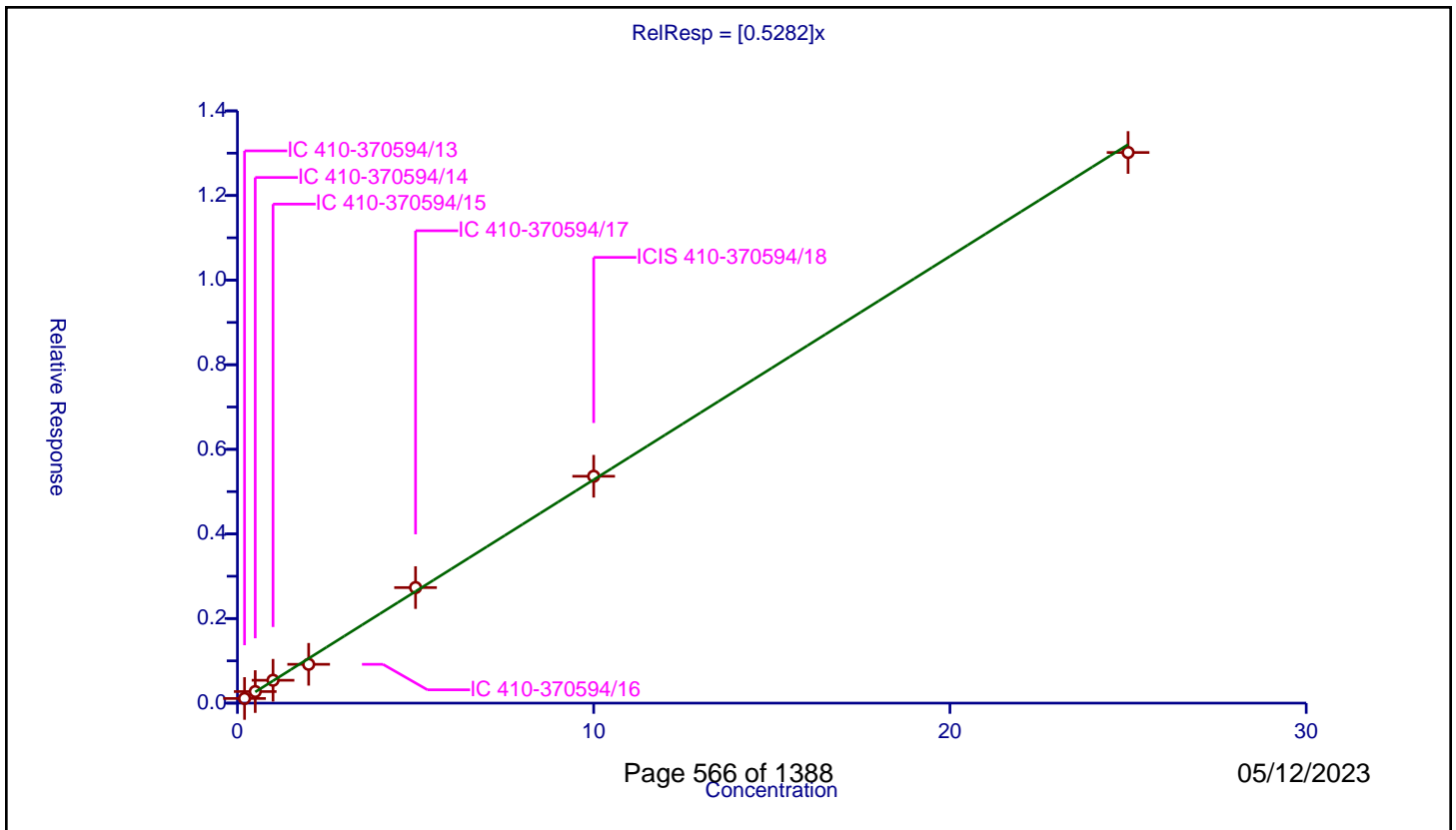
/ Iodomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.5282

Error Coefficients	
Standard Error:	1180000
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 410-370594/13	0.2	0.109588	10.0	1960073.0	0.547939	Y
2	IC 410-370594/14	0.5	0.273287	10.0	1943779.0	0.546574	Y
3	IC 410-370594/15	1.0	0.540775	10.0	1958541.0	0.540775	Y
4	IC 410-370594/16	2.0	0.917395	10.0	1967571.0	0.458698	Y
5	IC 410-370594/17	5.0	2.731809	10.0	1980922.0	0.546362	Y
6	ICIS 410-370594/18	10.0	5.362959	10.0	1979051.0	0.536296	Y
7	IC 410-370594/19	25.0	13.016855	10.0	2018771.0	0.520674	Y



Calibration

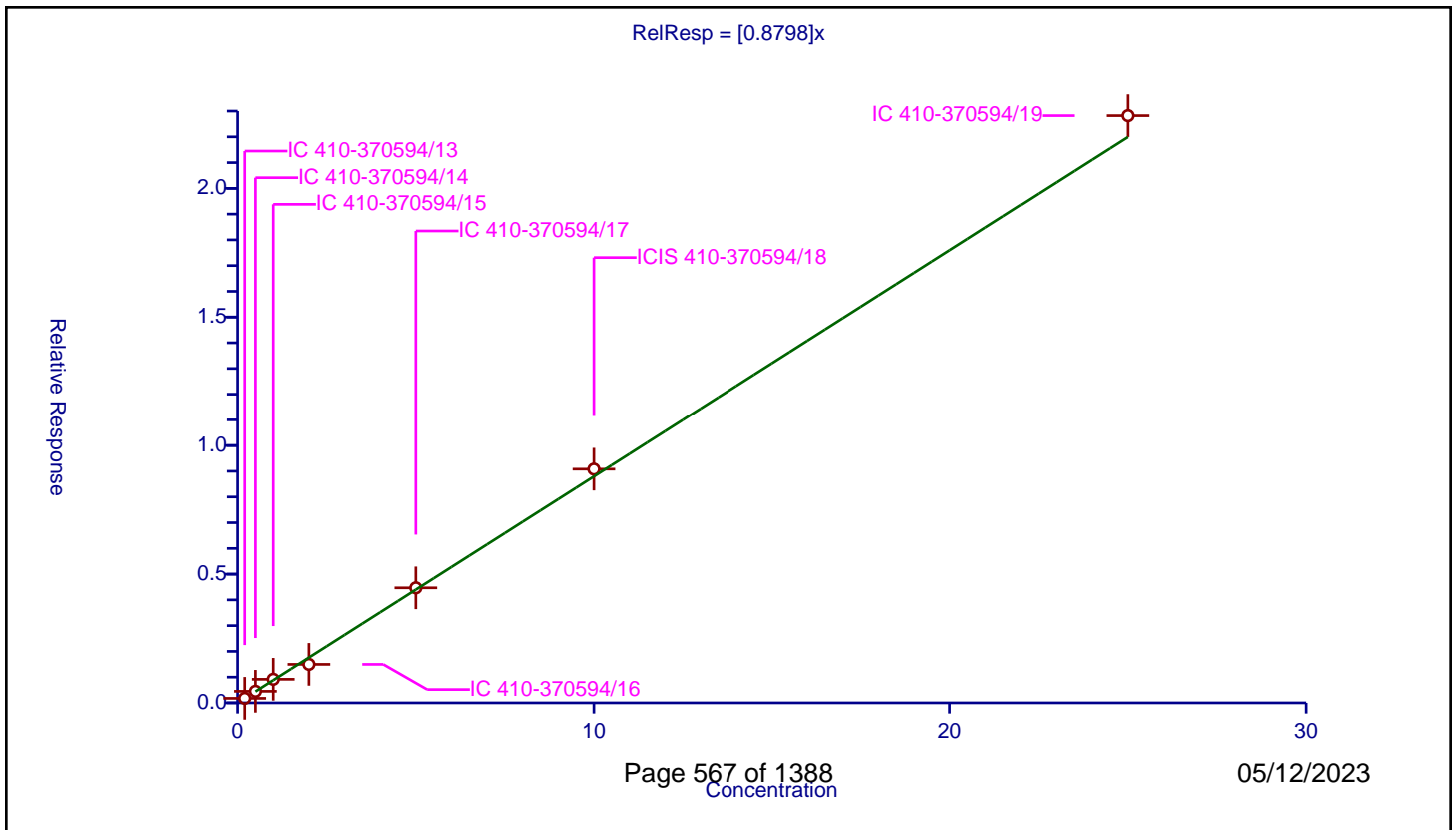
/ Carbon disulfide

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

Curve Coefficients	
Intercept:	0
Slope:	0.8798

Error Coefficients	
Standard Error:	2060000
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 410-370594/13	0.2	0.176172	10.0	1960073.0	0.88086	Y
2	IC 410-370594/14	0.5	0.449928	10.0	1943779.0	0.899855	Y
3	IC 410-370594/15	1.0	0.915457	10.0	1958541.0	0.915457	Y
4	IC 410-370594/16	2.0	1.495519	10.0	1967571.0	0.74776	Y
5	IC 410-370594/17	5.0	4.468344	10.0	1980922.0	0.893669	Y
6	ICIS 410-370594/18	10.0	9.083167	10.0	1979051.0	0.908317	Y
7	IC 410-370594/19	25.0	22.822678	10.0	2018771.0	0.912907	Y



Calibration

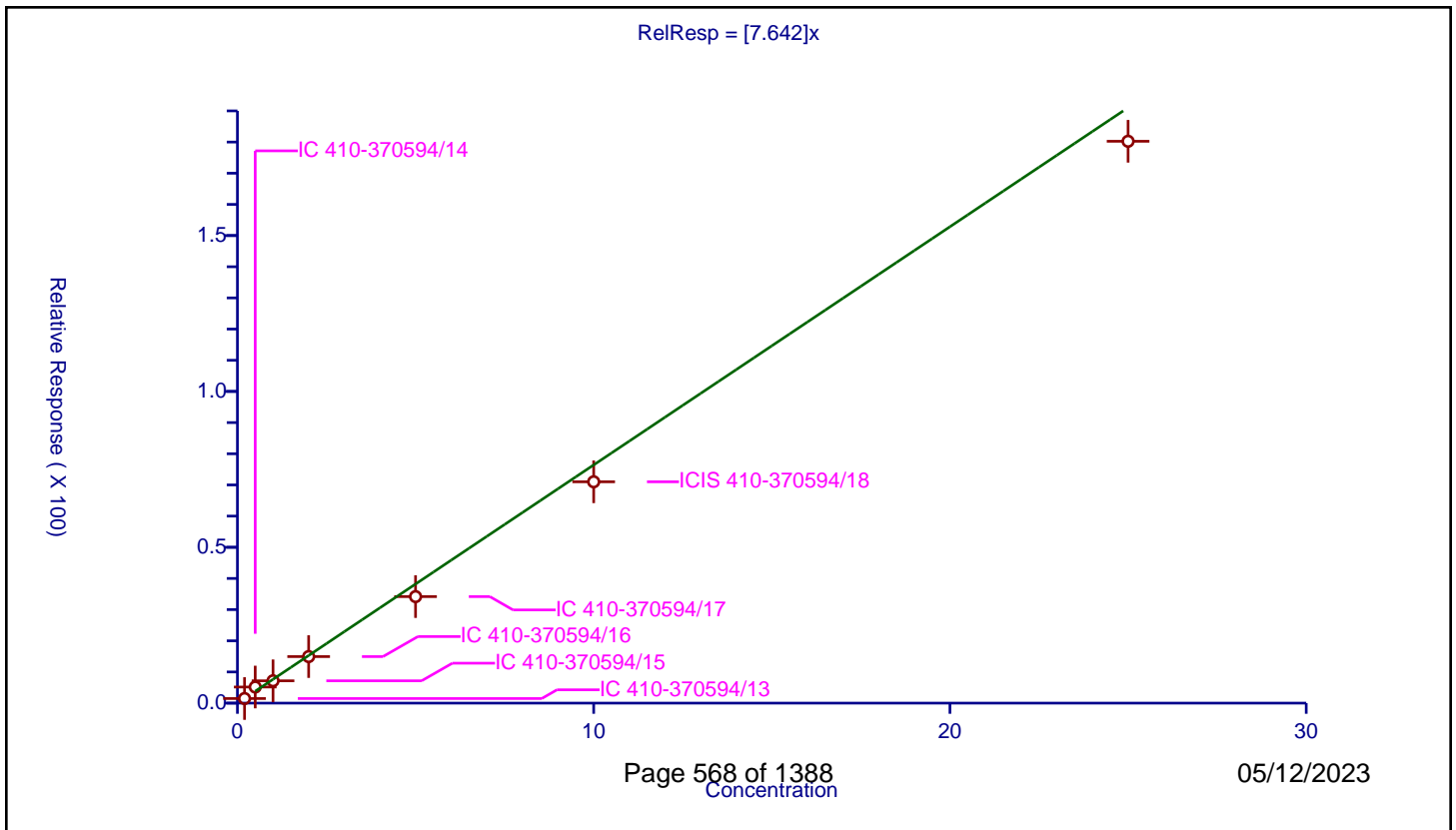
/ Methyl acetate

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

Curve Coefficients	
Intercept:	0
Slope:	7.642

Error Coefficients	
Standard Error:	264000
Relative Standard Error:	15.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	1.476188	50.0	157568.0	7.38094	Y
2	IC 410-370594/14	0.5	5.167582	50.0	155237.0	10.335165	Y
3	IC 410-370594/15	1.0	7.163035	50.0	157531.0	7.163035	Y
4	IC 410-370594/16	2.0	14.934337	50.0	155263.0	7.467169	Y
5	IC 410-370594/17	5.0	34.171425	50.0	154995.0	6.834285	Y
6	ICIS 410-370594/18	10.0	71.007738	50.0	158563.0	7.100774	Y
7	IC 410-370594/19	25.0	180.253976	50.0	164937.0	7.210159	Y



Calibration

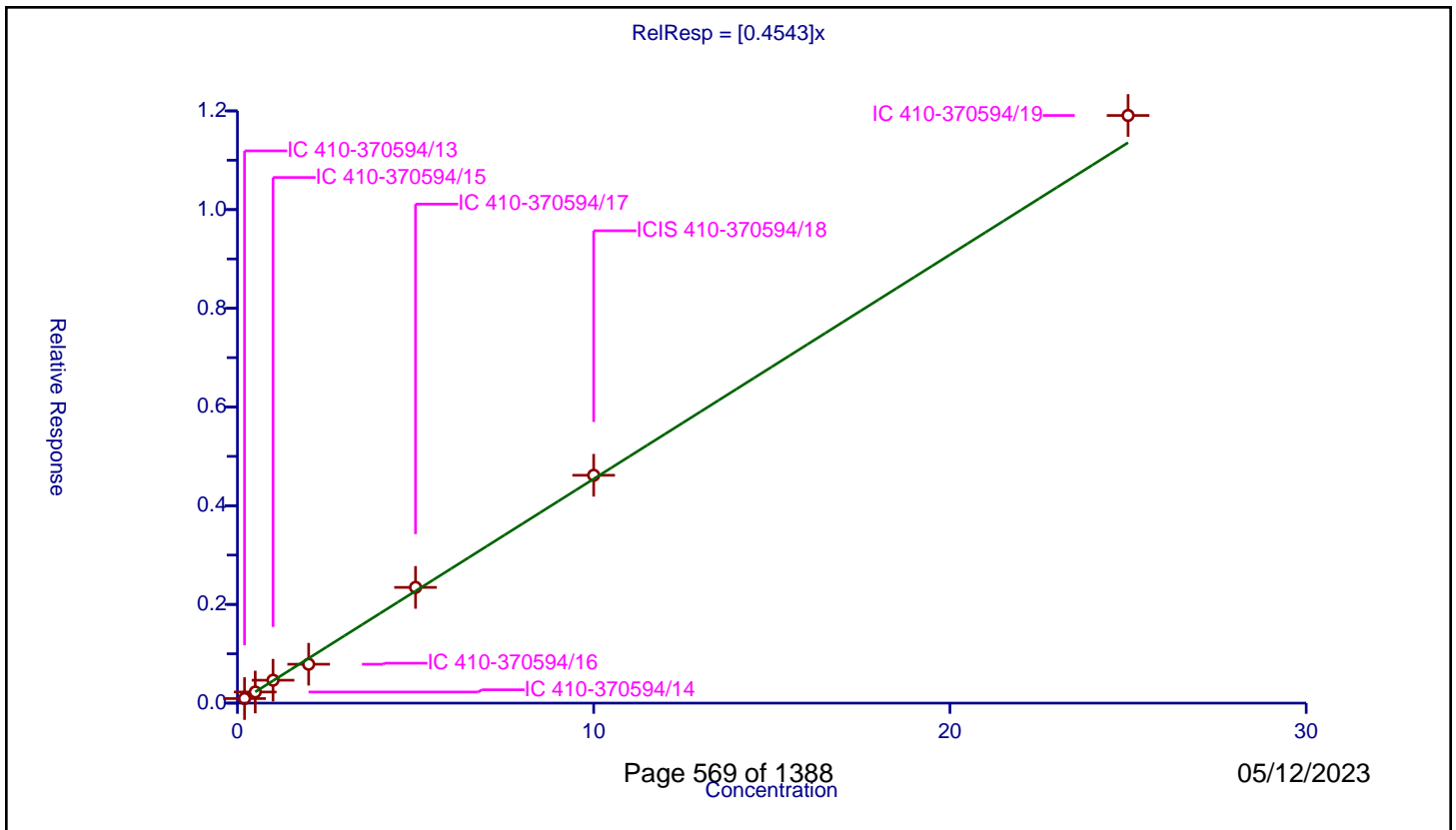
/ 3-Chloro-1-propene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4543

Error Coefficients	
Standard Error:	1070000
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 410-370594/13	0.2	0.092701	10.0	1960073.0	0.463503	Y
2	IC 410-370594/14	0.5	0.225514	10.0	1943779.0	0.451029	Y
3	IC 410-370594/15	1.0	0.464438	10.0	1958541.0	0.464438	Y
4	IC 410-370594/16	2.0	0.788261	10.0	1967571.0	0.394131	Y
5	IC 410-370594/17	5.0	2.345085	10.0	1980922.0	0.469017	Y
6	ICIS 410-370594/18	10.0	4.616814	10.0	1979051.0	0.461681	Y
7	IC 410-370594/19	25.0	11.907022	10.0	2018771.0	0.476281	Y



Calibration

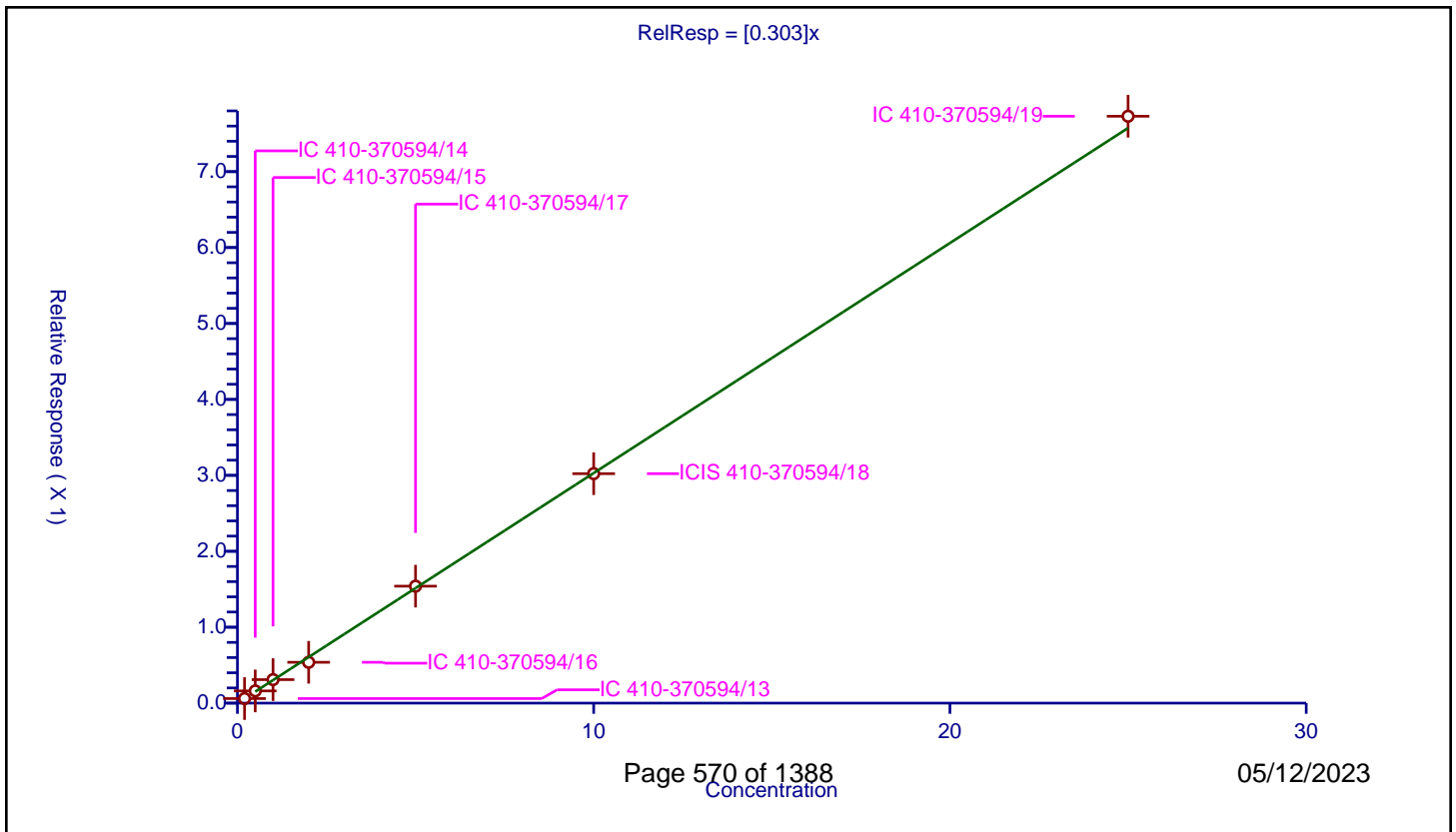
/ Methylene Chloride

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

Curve Coefficients	
Intercept:	0
Slope:	0.303

Error Coefficients	
Standard Error:	695000
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 410-370594/13	0.2	0.060258	10.0	1960073.0	0.30129	Y
2	IC 410-370594/14	0.5	0.160677	10.0	1943779.0	0.321353	Y
3	IC 410-370594/15	1.0	0.30968	10.0	1958541.0	0.30968	Y
4	IC 410-370594/16	2.0	0.538044	10.0	1967571.0	0.269022	Y
5	IC 410-370594/17	5.0	1.540364	10.0	1980922.0	0.308073	Y
6	ICIS 410-370594/18	10.0	3.022252	10.0	1979051.0	0.302225	Y
7	IC 410-370594/19	25.0	7.729356	10.0	2018771.0	0.309174	Y



Calibration

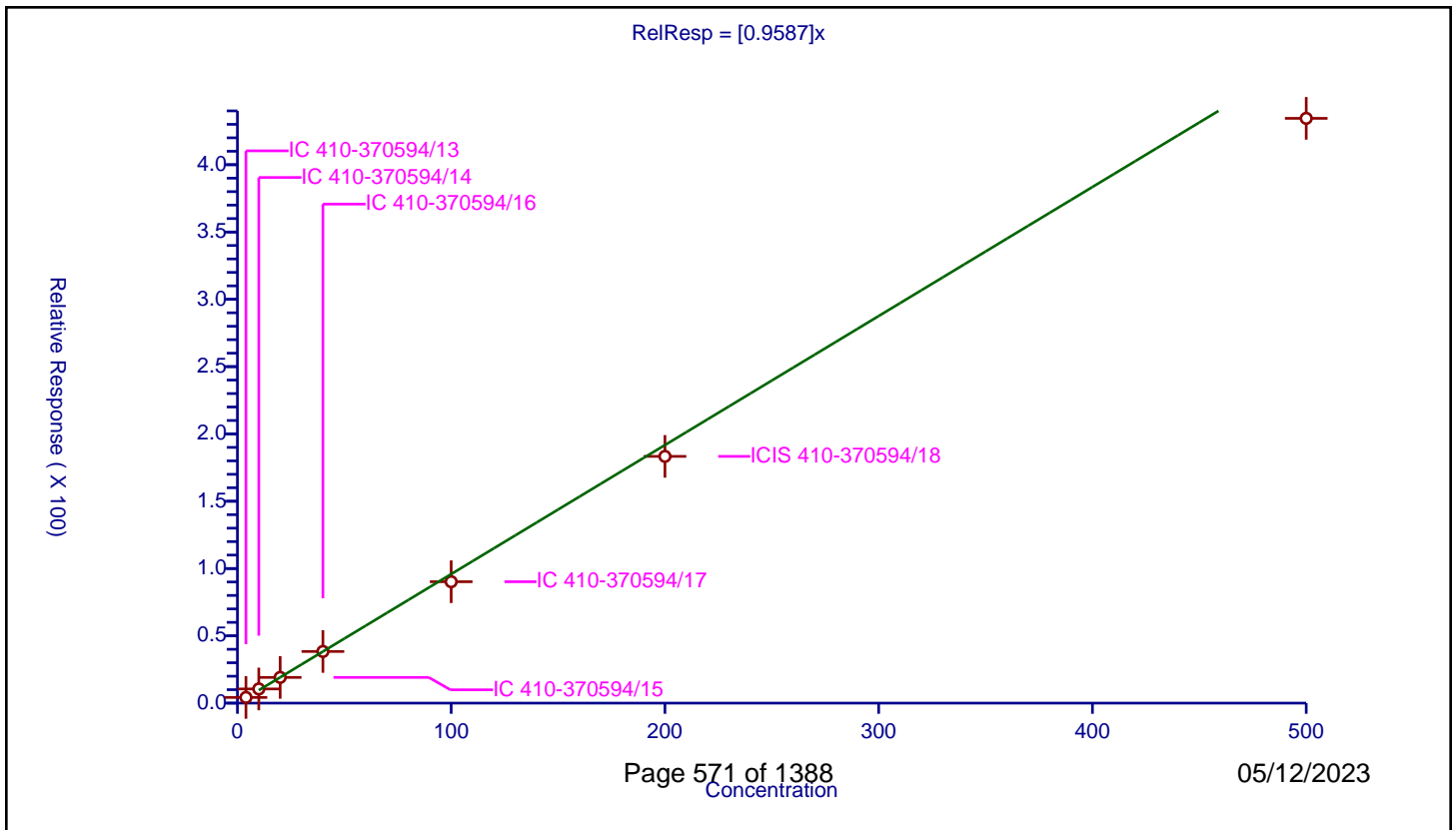
/ 2-Methyl-2-propanol

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

Curve Coefficients	
Intercept:	0
Slope:	0.9587

Error Coefficients	
Standard Error:	644000
Relative Standard Error:	7.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	4.0	4.21691	50.0	157568.0	1.054227	Y
2	IC 410-370594/14	10.0	10.53486	50.0	155237.0	1.053486	Y
3	IC 410-370594/15	20.0	19.113698	50.0	157531.0	0.955685	Y
4	IC 410-370594/16	40.0	38.38487	50.0	155263.0	0.959622	Y
5	IC 410-370594/17	100.0	90.208071	50.0	154995.0	0.902081	Y
6	ICIS 410-370594/18	200.0	183.315149	50.0	158563.0	0.916576	Y
7	IC 410-370594/19	500.0	434.451033	50.0	164937.0	0.868902	Y



Calibration

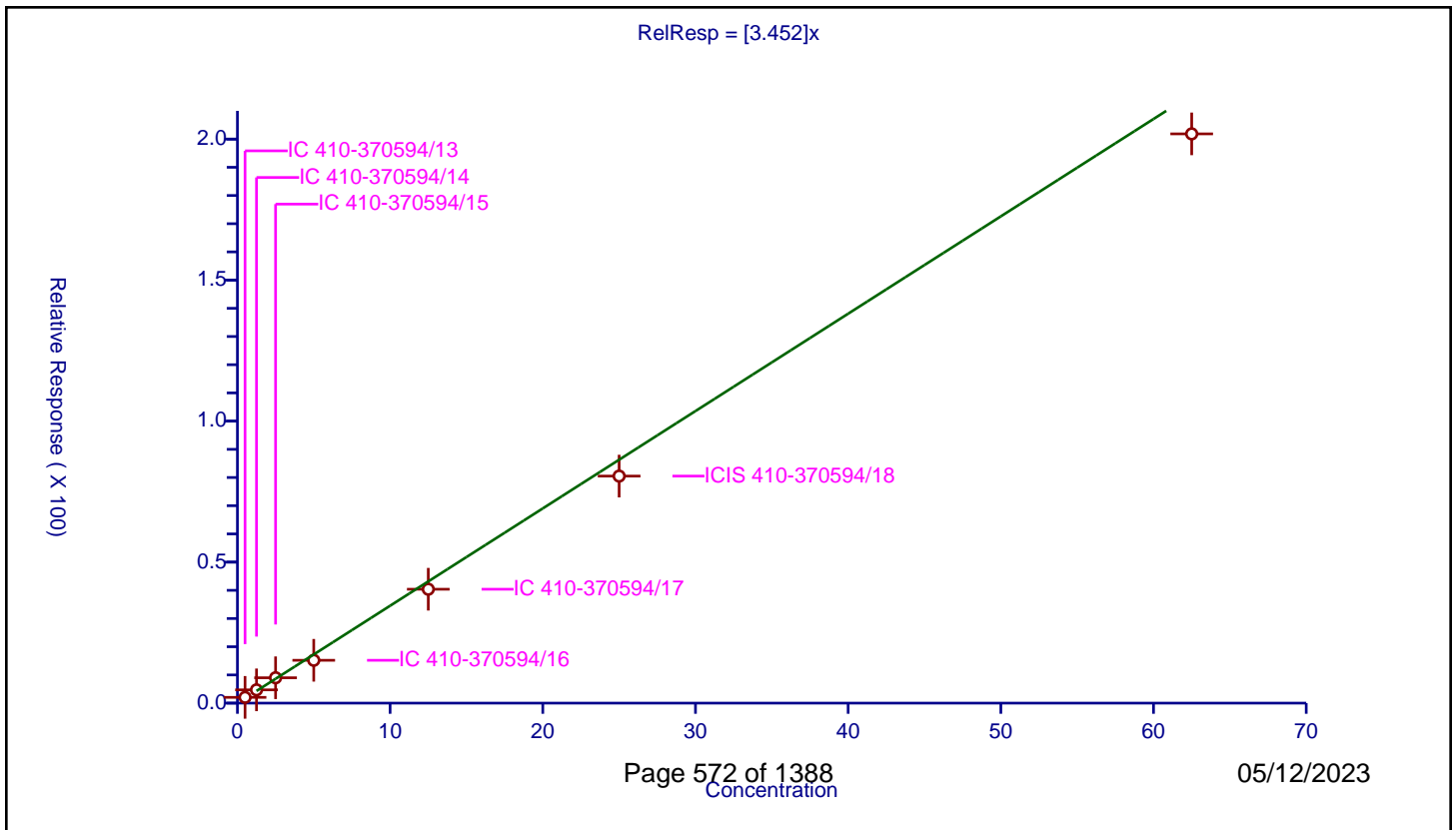
/ Acrylonitrile

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

Curve Coefficients	
Intercept:	0
Slope:	3.452

Error Coefficients	
Standard Error:	296000
Relative Standard Error:	10.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.5	2.040389	50.0	157568.0	4.080778	Y
2	IC 410-370594/14	1.25	4.706674	50.0	155237.0	3.765339	Y
3	IC 410-370594/15	2.5	8.997277	50.0	157531.0	3.598911	Y
4	IC 410-370594/16	5.0	15.192609	50.0	155263.0	3.038522	Y
5	IC 410-370594/17	12.5	40.390658	50.0	154995.0	3.231253	Y
6	ICIS 410-370594/18	25.0	80.50554	50.0	158563.0	3.220222	Y
7	IC 410-370594/19	62.5	201.845856	50.0	164937.0	3.229534	Y



Calibration

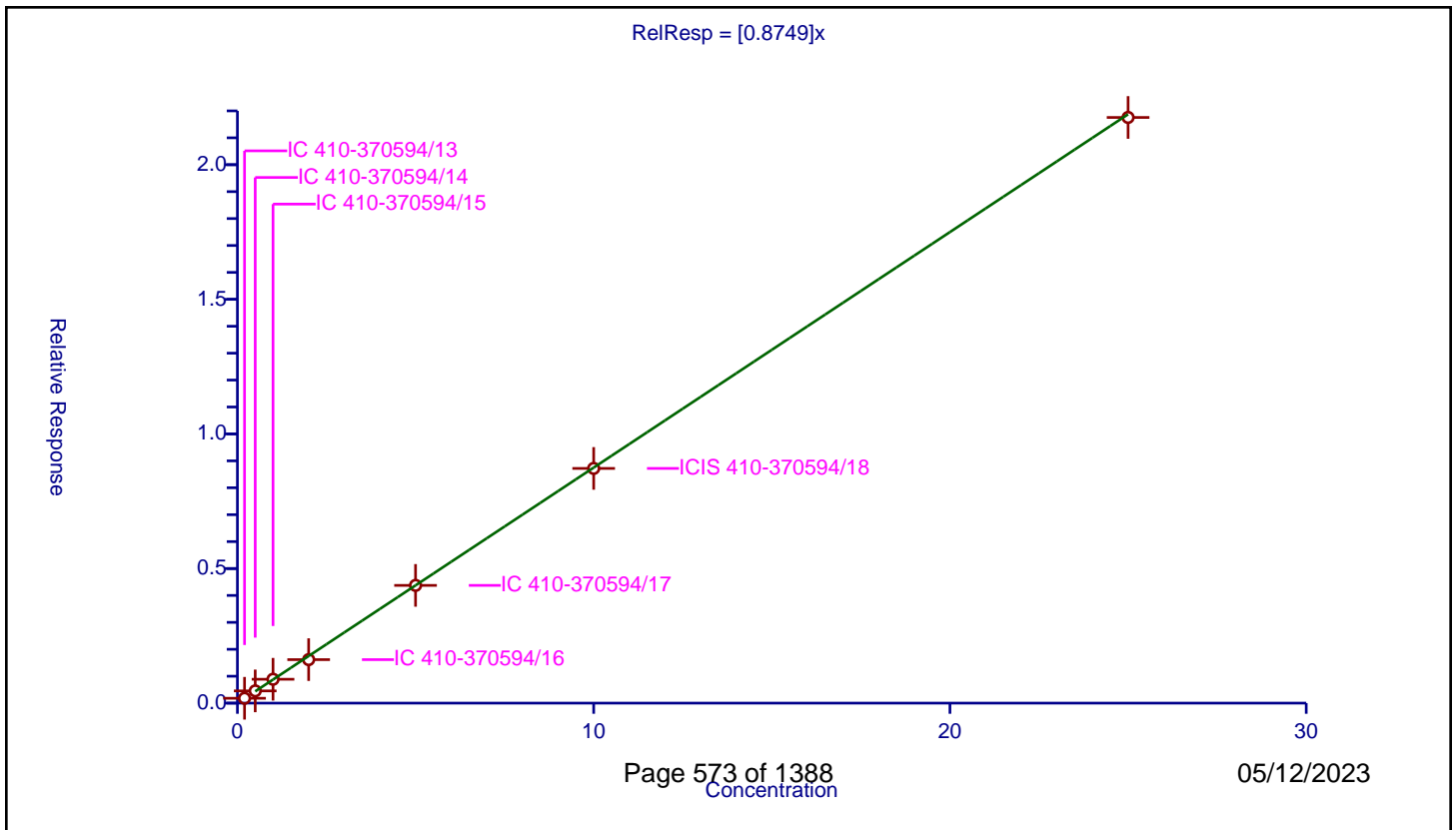
/ Methyl tert-butyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.8749

Error Coefficients	
Standard Error:	1960000
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 410-370594/13	0.2	0.18057	10.0	1960073.0	0.902849	Y
2	IC 410-370594/14	0.5	0.454836	10.0	1943779.0	0.909671	Y
3	IC 410-370594/15	1.0	0.887155	10.0	1958541.0	0.887155	Y
4	IC 410-370594/16	2.0	1.616414	10.0	1967571.0	0.808207	Y
5	IC 410-370594/17	5.0	4.373004	10.0	1980922.0	0.874601	Y
6	ICIS 410-370594/18	10.0	8.718527	10.0	1979051.0	0.871853	Y
7	IC 410-370594/19	25.0	21.755964	10.0	2018771.0	0.870239	Y



Calibration

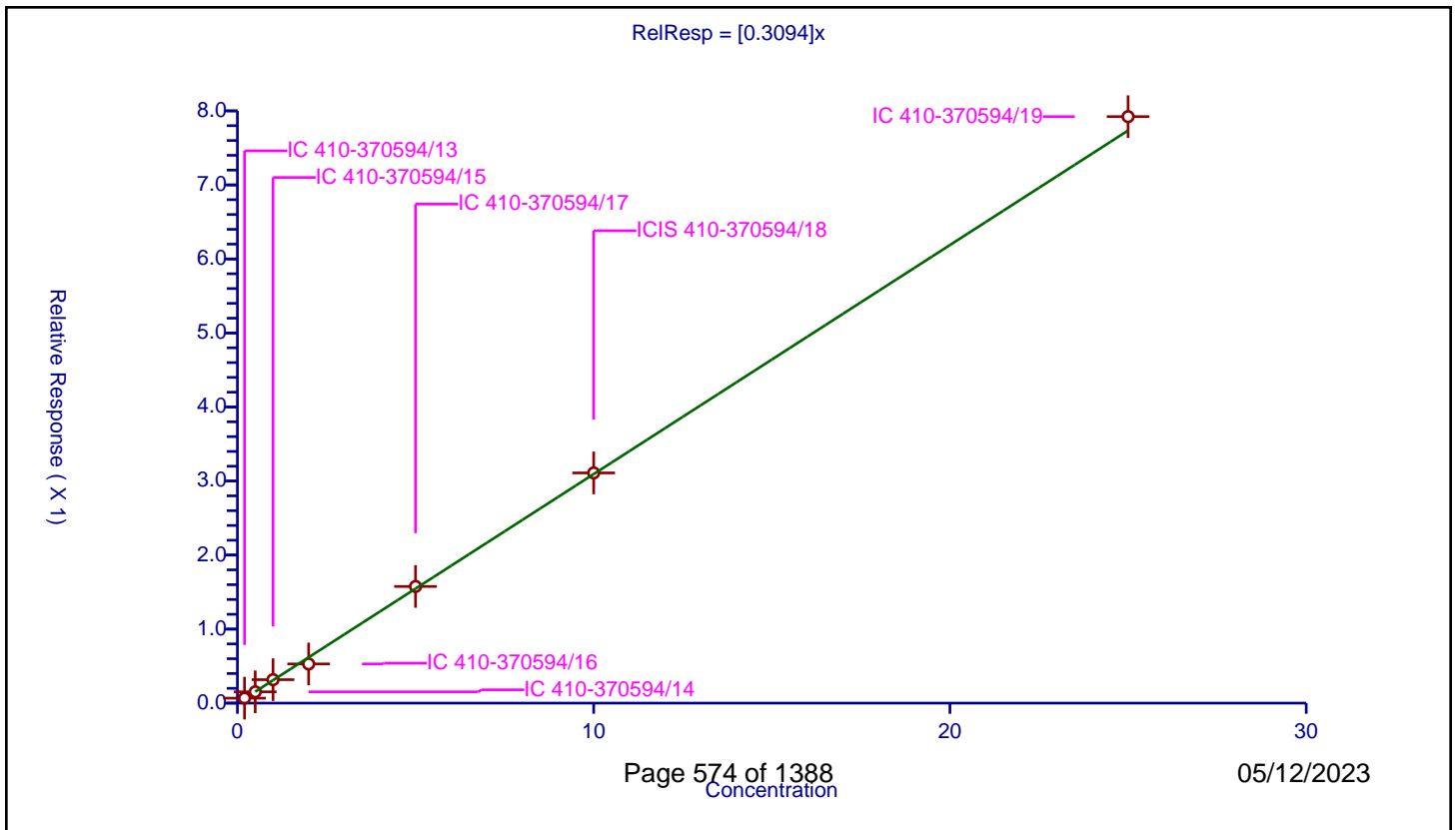
/ trans-1,2-Dichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.3094

Error Coefficients	
Standard Error:	713000
Relative Standard Error:	7.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	0.067156	10.0	1960073.0	0.335778	Y
2	IC 410-370594/14	0.5	0.152656	10.0	1943779.0	0.305312	Y
3	IC 410-370594/15	1.0	0.316894	10.0	1958541.0	0.316894	Y
4	IC 410-370594/16	2.0	0.529435	10.0	1967571.0	0.264717	Y
5	IC 410-370594/17	5.0	1.575877	10.0	1980922.0	0.315175	Y
6	ICIS 410-370594/18	10.0	3.109521	10.0	1979051.0	0.310952	Y
7	IC 410-370594/19	25.0	7.922459	10.0	2018771.0	0.316898	Y



Calibration

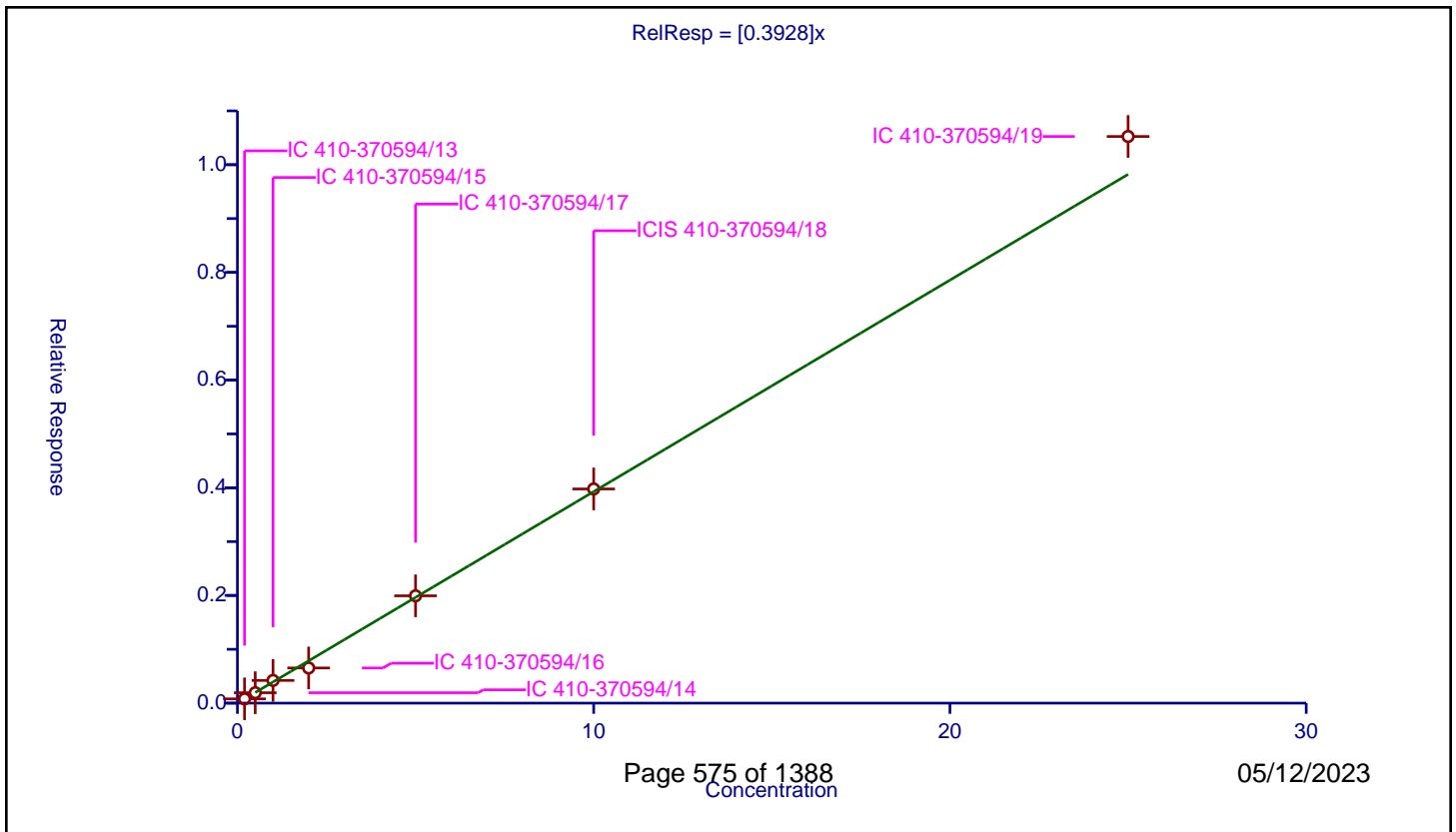
/ Hexane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3928

Error Coefficients	
Standard Error:	941000
Relative Standard Error:	8.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	0.079456	10.0	1960073.0	0.397281	Y
2	IC 410-370594/14	0.5	0.193407	10.0	1943779.0	0.386814	Y
3	IC 410-370594/15	1.0	0.421656	10.0	1958541.0	0.421656	Y
4	IC 410-370594/16	2.0	0.653405	10.0	1967571.0	0.326702	Y
5	IC 410-370594/17	5.0	1.993299	10.0	1980922.0	0.39866	Y
6	ICIS 410-370594/18	10.0	3.978028	10.0	1979051.0	0.397803	Y
7	IC 410-370594/19	25.0	10.524834	10.0	2018771.0	0.420993	Y



Calibration

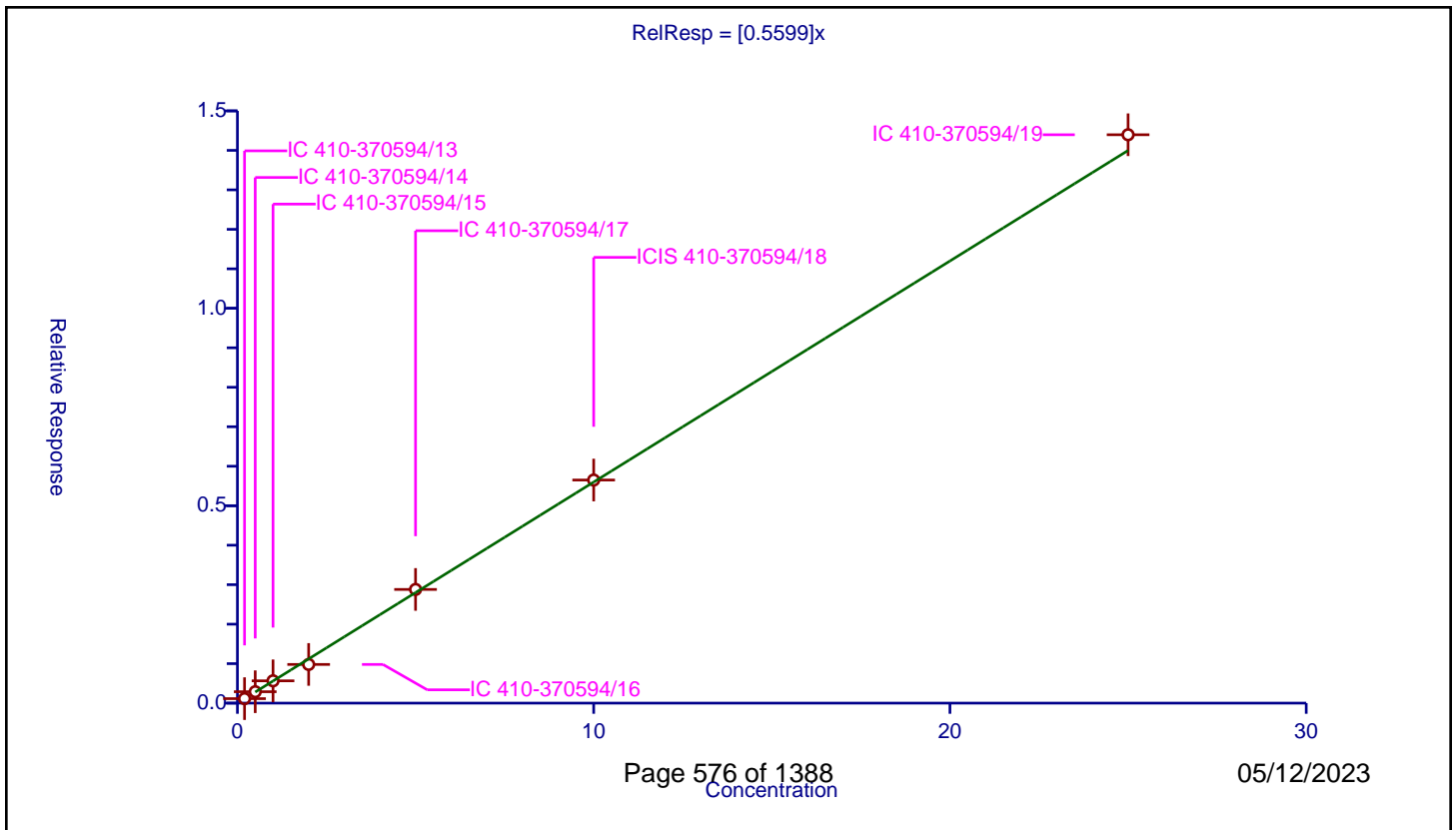
/ 1,1-Dichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.5599

Error Coefficients	
Standard Error:	1300000
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 410-370594/13	0.2	0.113986	10.0	1960073.0	0.569928	Y
2	IC 410-370594/14	0.5	0.288834	10.0	1943779.0	0.577669	Y
3	IC 410-370594/15	1.0	0.564844	10.0	1958541.0	0.564844	Y
4	IC 410-370594/16	2.0	0.980051	10.0	1967571.0	0.490026	Y
5	IC 410-370594/17	5.0	2.879598	10.0	1980922.0	0.57592	Y
6	ICIS 410-370594/18	10.0	5.650304	10.0	1979051.0	0.56503	Y
7	IC 410-370594/19	25.0	14.395699	10.0	2018771.0	0.575828	Y



Calibration

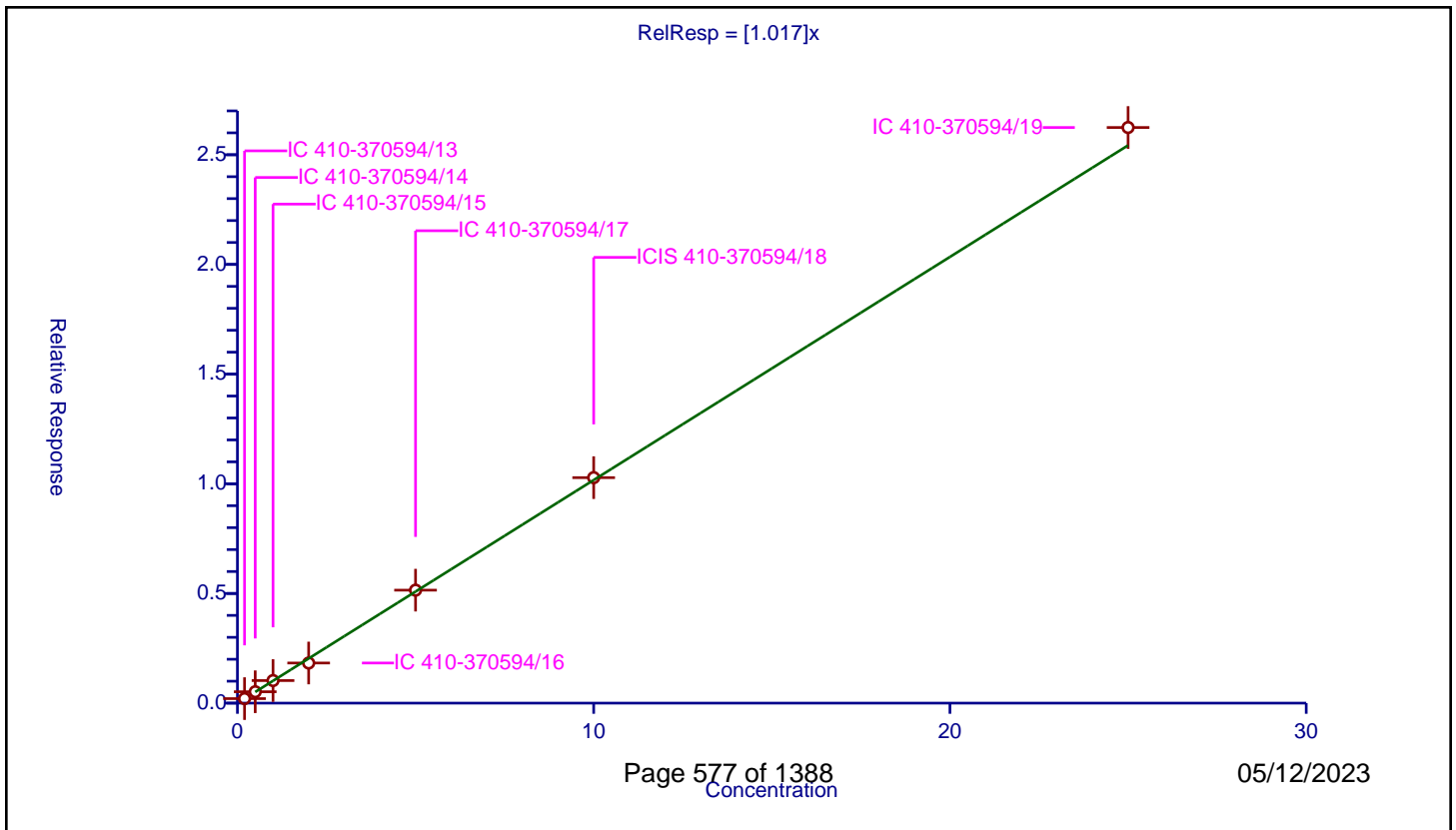
/ Isopropyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	1.017

Error Coefficients	
Standard Error:	2360000
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 410-370594/13	0.2	0.206013	10.0	1960073.0	1.030064	Y
2	IC 410-370594/14	0.5	0.519298	10.0	1943779.0	1.038595	Y
3	IC 410-370594/15	1.0	1.029343	10.0	1958541.0	1.029343	Y
4	IC 410-370594/16	2.0	1.828793	10.0	1967571.0	0.914396	Y
5	IC 410-370594/17	5.0	5.149683	10.0	1980922.0	1.029937	Y
6	ICIS 410-370594/18	10.0	10.280038	10.0	1979051.0	1.028004	Y
7	IC 410-370594/19	25.0	26.242105	10.0	2018771.0	1.049684	Y



Calibration

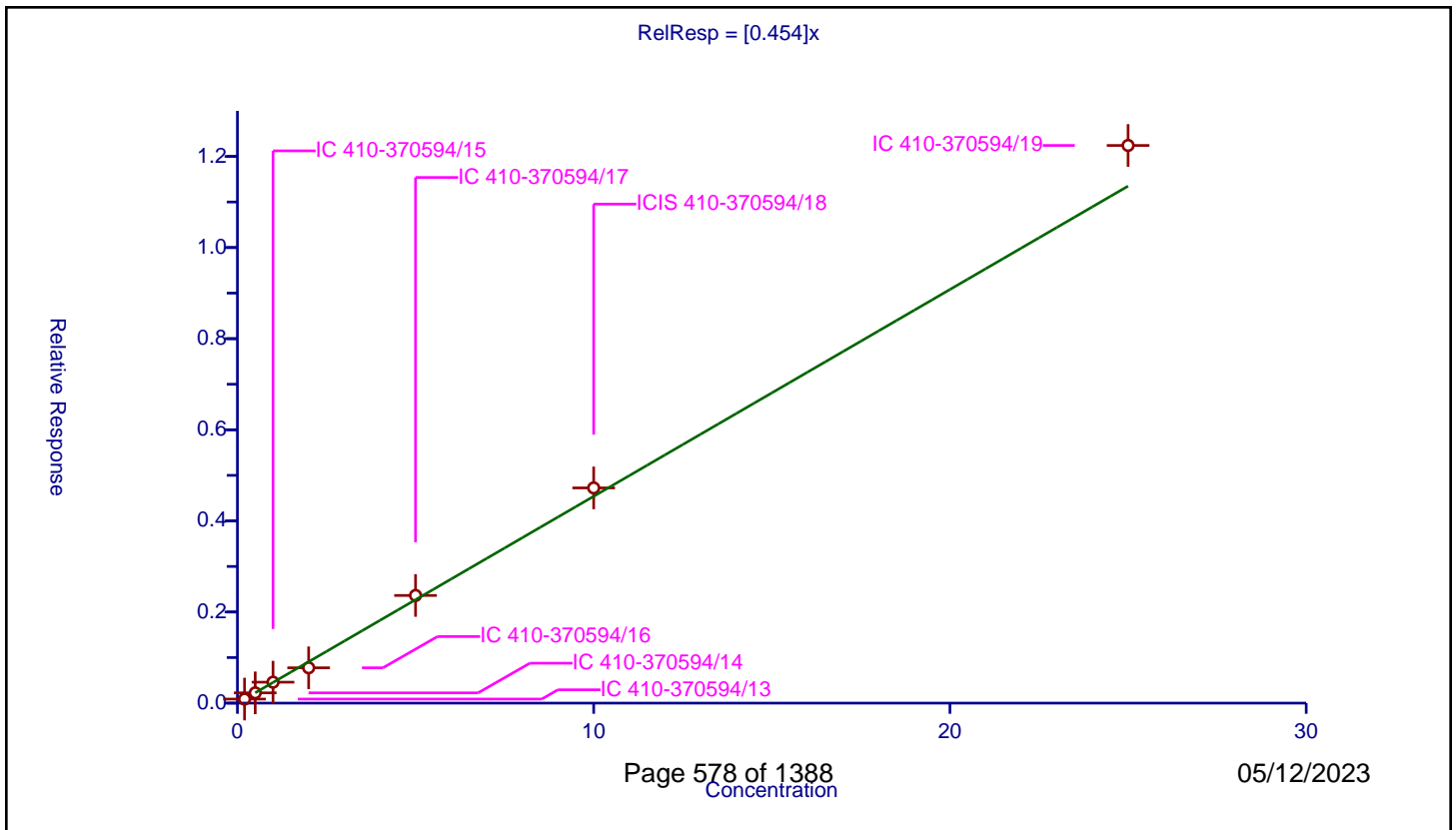
/ 2-Chloro-1,3-butadiene

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

Curve Coefficients	
Intercept:	0
Slope:	0.454

Error Coefficients	
Standard Error:	1100000
Relative Standard Error:	7.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	0.089058	10.0	1960073.0	0.44529	Y
2	IC 410-370594/14	0.5	0.225211	10.0	1943779.0	0.450422	Y
3	IC 410-370594/15	1.0	0.459561	10.0	1958541.0	0.459561	Y
4	IC 410-370594/16	2.0	0.775454	10.0	1967571.0	0.387727	Y
5	IC 410-370594/17	5.0	2.363627	10.0	1980922.0	0.472725	Y
6	ICIS 410-370594/18	10.0	4.723764	10.0	1979051.0	0.472376	Y
7	IC 410-370594/19	25.0	12.241359	10.0	2018771.0	0.489654	Y



Calibration

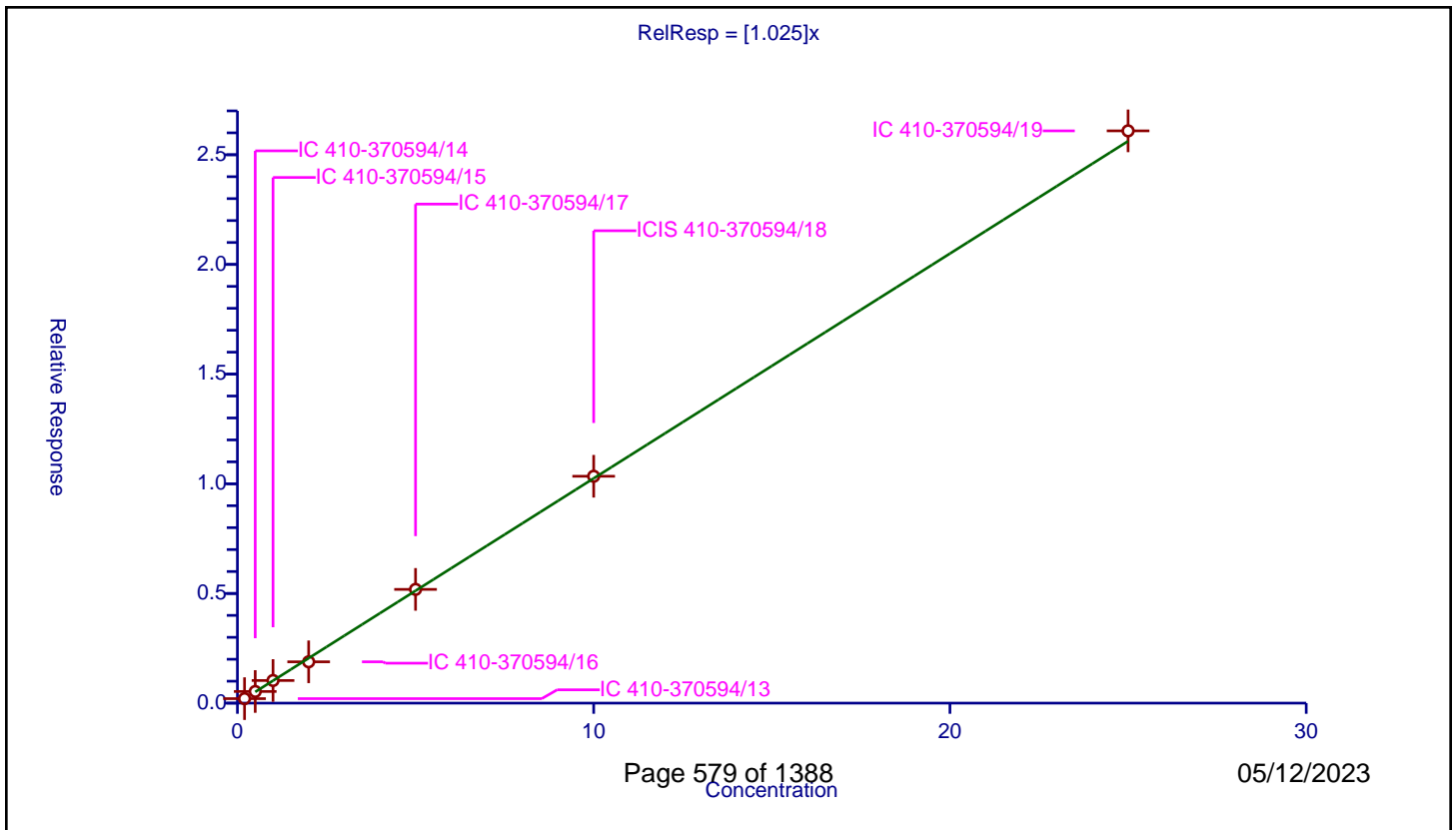
/ Tert-butyl ethyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	1.025

Error Coefficients	
Standard Error:	2350000
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 410-370594/13	0.2	0.204686	10.0	1960073.0	1.023431	Y
2	IC 410-370594/14	0.5	0.530955	10.0	1943779.0	1.061911	Y
3	IC 410-370594/15	1.0	1.030982	10.0	1958541.0	1.030982	Y
4	IC 410-370594/16	2.0	1.884105	10.0	1967571.0	0.942052	Y
5	IC 410-370594/17	5.0	5.185272	10.0	1980922.0	1.037054	Y
6	ICIS 410-370594/18	10.0	10.343084	10.0	1979051.0	1.034308	Y
7	IC 410-370594/19	25.0	26.088838	10.0	2018771.0	1.043554	Y



Calibration

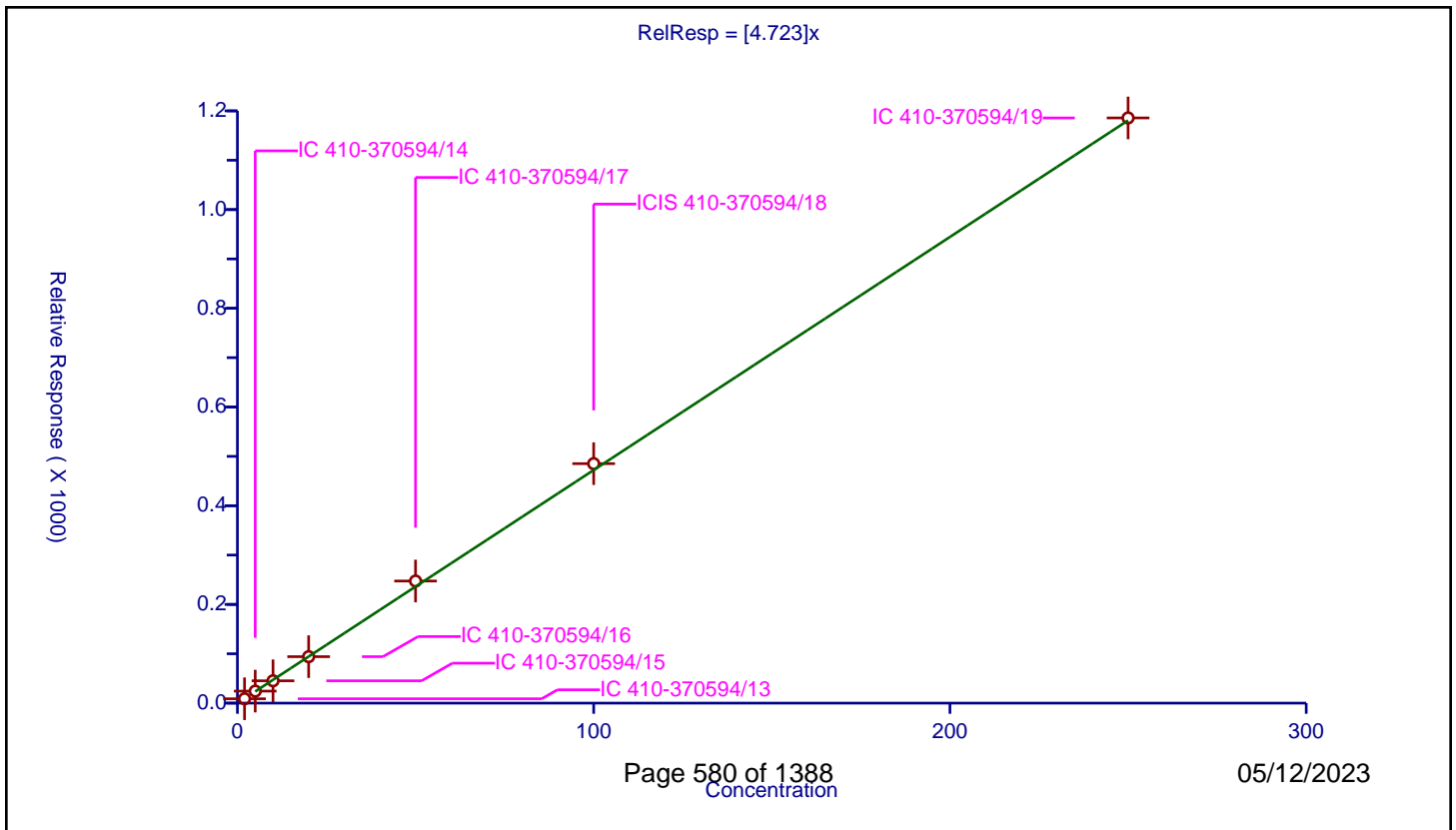
/ 2-Butanone (MEK)

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

Curve Coefficients	
Intercept:	0
Slope:	4.723

Error Coefficients	
Standard Error:	1750000
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 410-370594/13	2.0	8.826983	50.0	157568.0	4.413491	Y
2	IC 410-370594/14	5.0	24.346	50.0	155237.0	4.8692	Y
3	IC 410-370594/15	10.0	45.274581	50.0	157531.0	4.527458	Y
4	IC 410-370594/16	20.0	94.125452	50.0	155263.0	4.706273	Y
5	IC 410-370594/17	50.0	247.378625	50.0	154995.0	4.947573	Y
6	ICIS 410-370594/18	100.0	485.216286	50.0	158563.0	4.852163	Y
7	IC 410-370594/19	250.0	1185.683625	50.0	164937.0	4.742734	Y



Calibration

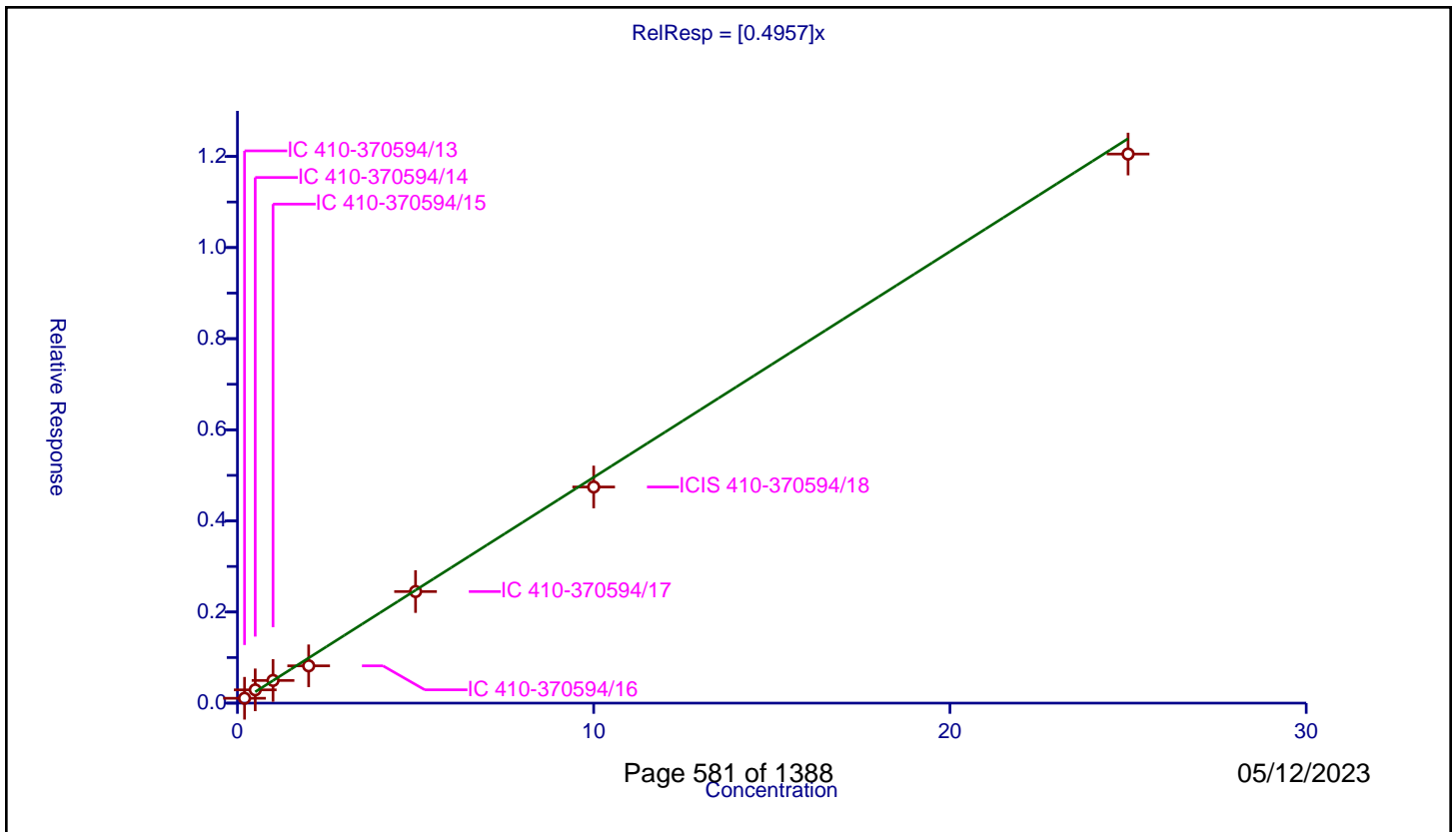
/ 2,2-Dichloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4957

Error Coefficients	
Standard Error:	1090000
Relative Standard Error:	10.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	0.106501	10.0	1960073.0	0.532506	Y
2	IC 410-370594/14	0.5	0.291576	10.0	1943779.0	0.583153	Y
3	IC 410-370594/15	1.0	0.498085	10.0	1958541.0	0.498085	Y
4	IC 410-370594/16	2.0	0.818807	10.0	1967571.0	0.409403	Y
5	IC 410-370594/17	5.0	2.44946	10.0	1980922.0	0.489892	Y
6	ICIS 410-370594/18	10.0	4.744693	10.0	1979051.0	0.474469	Y
7	IC 410-370594/19	25.0	12.053007	10.0	2018771.0	0.48212	Y



Calibration

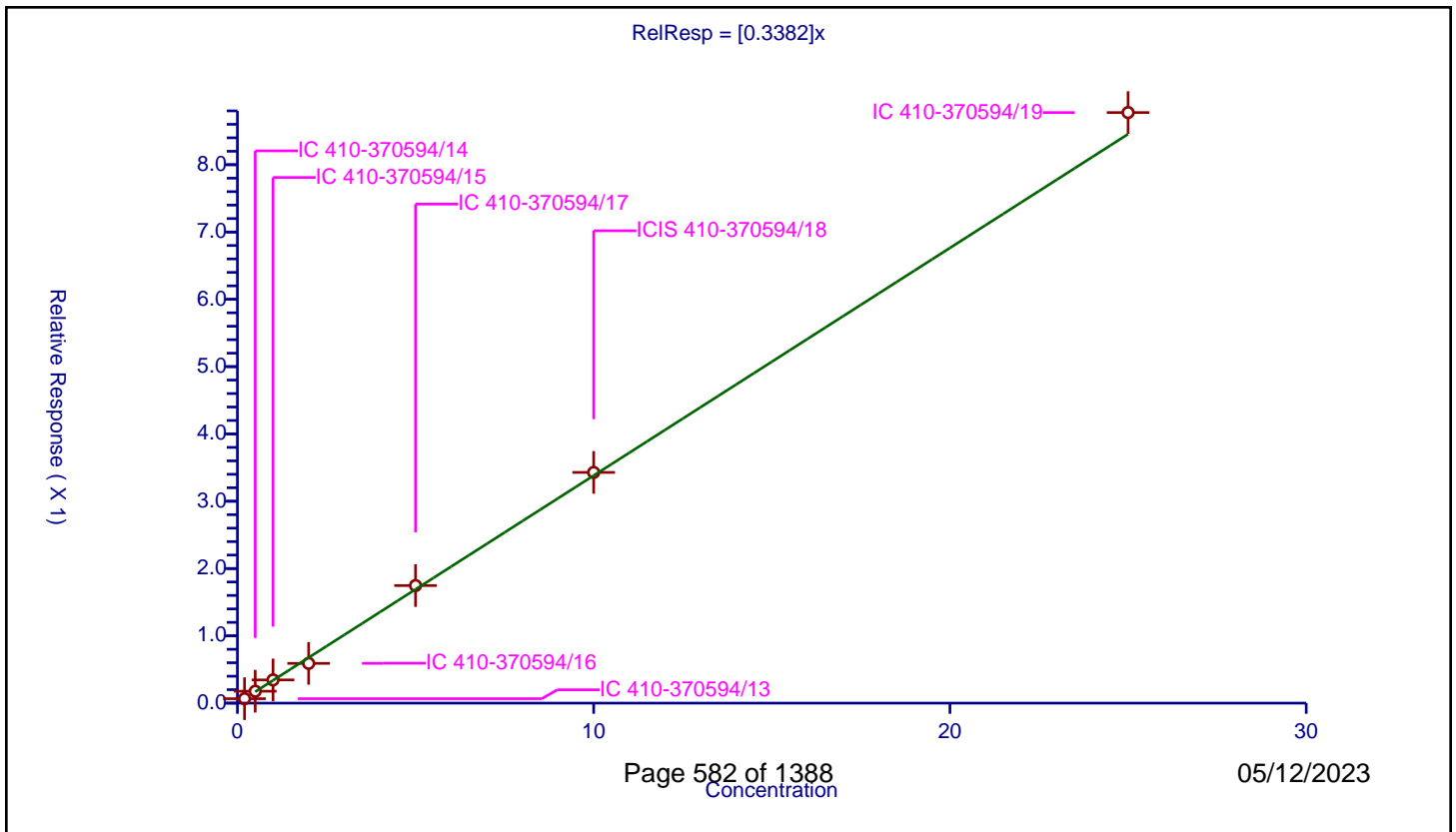
/ cis-1,2-Dichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.3382

Error Coefficients	
Standard Error:	789000
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 410-370594/13	0.2	0.065957	10.0	1960073.0	0.329784	Y
2	IC 410-370594/14	0.5	0.177001	10.0	1943779.0	0.354001	Y
3	IC 410-370594/15	1.0	0.344951	10.0	1958541.0	0.344951	Y
4	IC 410-370594/16	2.0	0.590601	10.0	1967571.0	0.295301	Y
5	IC 410-370594/17	5.0	1.747126	10.0	1980922.0	0.349425	Y
6	ICIS 410-370594/18	10.0	3.428123	10.0	1979051.0	0.342812	Y
7	IC 410-370594/19	25.0	8.775176	10.0	2018771.0	0.351007	Y



Calibration

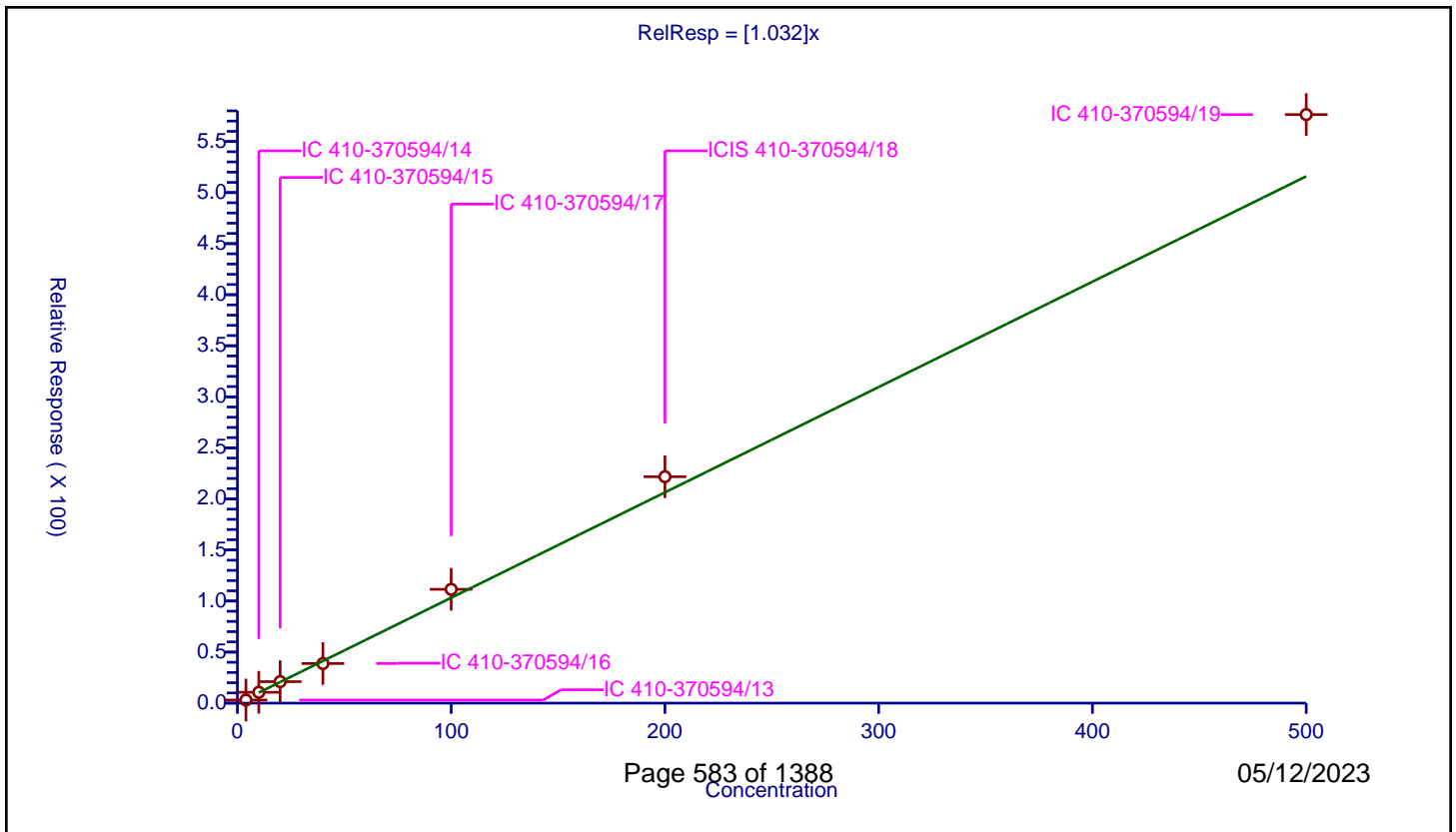
/ Propionitrile

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

Curve Coefficients	
Intercept:	0
Slope:	1.032

Error Coefficients	
Standard Error:	841000
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 410-370594/13	4.0	3.047573	50.0	157568.0	0.761893	Y
2	IC 410-370594/14	10.0	10.628909	50.0	155237.0	1.062891	Y
3	IC 410-370594/15	20.0	21.033638	50.0	157531.0	1.051682	Y
4	IC 410-370594/16	40.0	38.803836	50.0	155263.0	0.970096	Y
5	IC 410-370594/17	100.0	111.456499	50.0	154995.0	1.114565	Y
6	ICIS 410-370594/18	200.0	221.743408	50.0	158563.0	1.108717	Y
7	IC 410-370594/19	500.0	576.386135	50.0	164937.0	1.152772	Y



Calibration

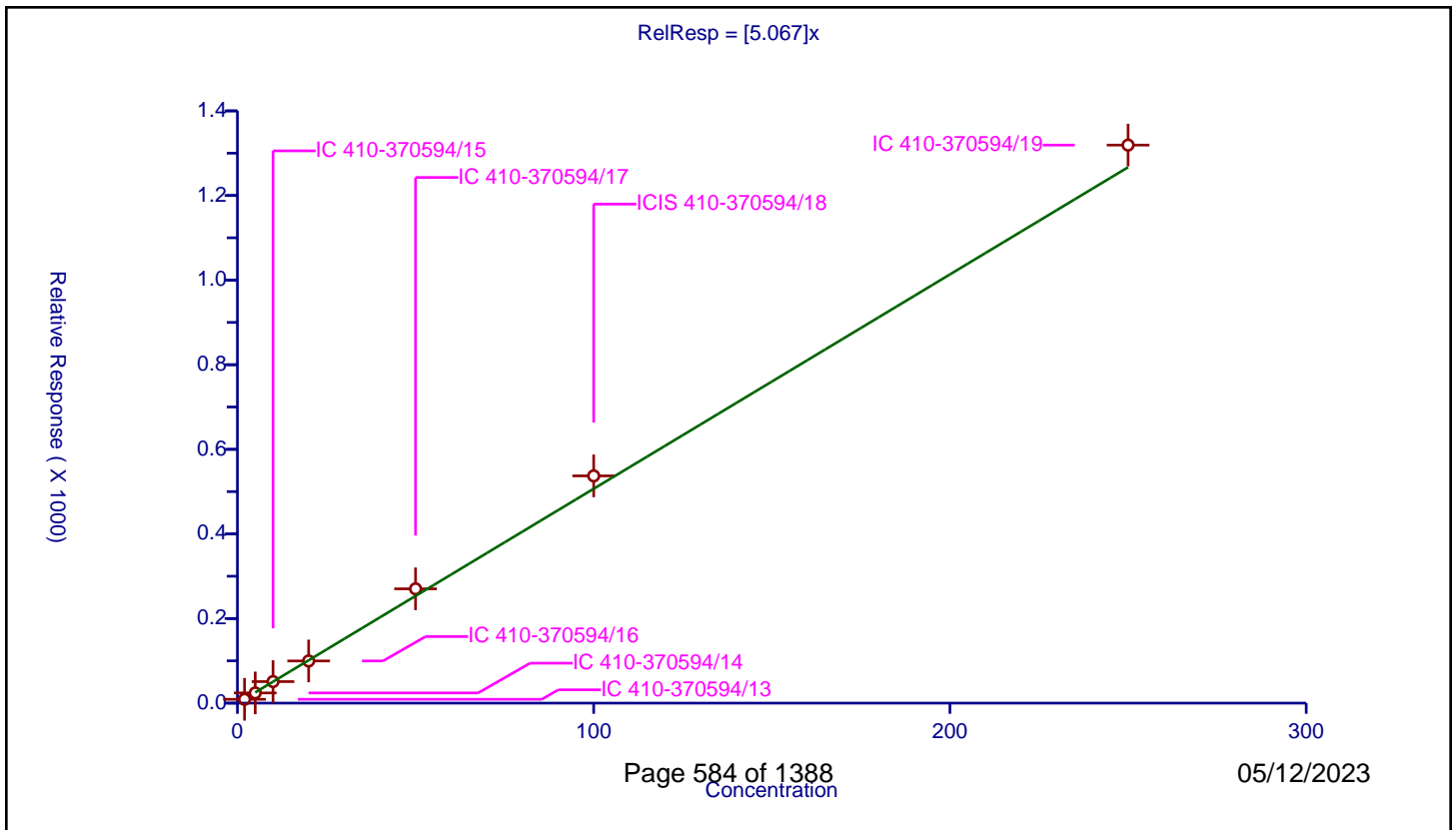
/ Methacrylonitrile

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

Curve Coefficients	
Intercept:	0
Slope:	5.067

Error Coefficients	
Standard Error:	1940000
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 410-370594/13	2.0	9.044984	50.0	157568.0	4.522492	Y
2	IC 410-370594/14	5.0	24.098958	50.0	155237.0	4.819792	Y
3	IC 410-370594/15	10.0	50.928389	50.0	157531.0	5.092839	Y
4	IC 410-370594/16	20.0	99.667017	50.0	155263.0	4.983351	Y
5	IC 410-370594/17	50.0	270.164844	50.0	154995.0	5.403297	Y
6	ICIS 410-370594/18	100.0	537.181436	50.0	158563.0	5.371814	Y
7	IC 410-370594/19	250.0	1319.157315	50.0	164937.0	5.276629	Y



Calibration

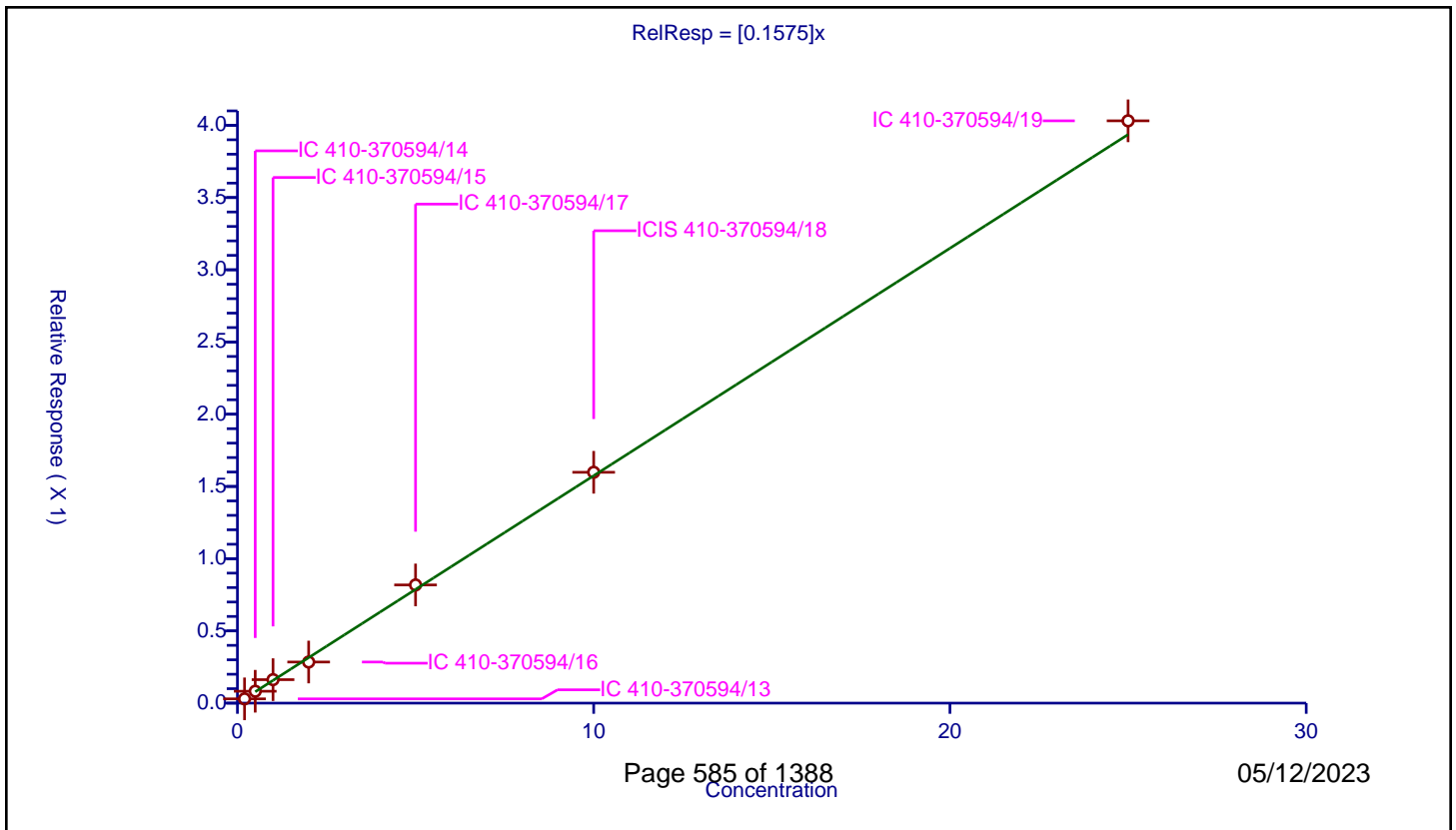
/ Chlorobromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.1575

Error Coefficients	
Standard Error:	364000
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 410-370594/13	0.2	0.029581	10.0	1960073.0	0.147903	Y
2	IC 410-370594/14	0.5	0.08235	10.0	1943779.0	0.1647	Y
3	IC 410-370594/15	1.0	0.162544	10.0	1958541.0	0.162544	Y
4	IC 410-370594/16	2.0	0.28464	10.0	1967571.0	0.14232	Y
5	IC 410-370594/17	5.0	0.818149	10.0	1980922.0	0.16363	Y
6	ICIS 410-370594/18	10.0	1.5982	10.0	1979051.0	0.15982	Y
7	IC 410-370594/19	25.0	4.031215	10.0	2018771.0	0.161249	Y



Calibration

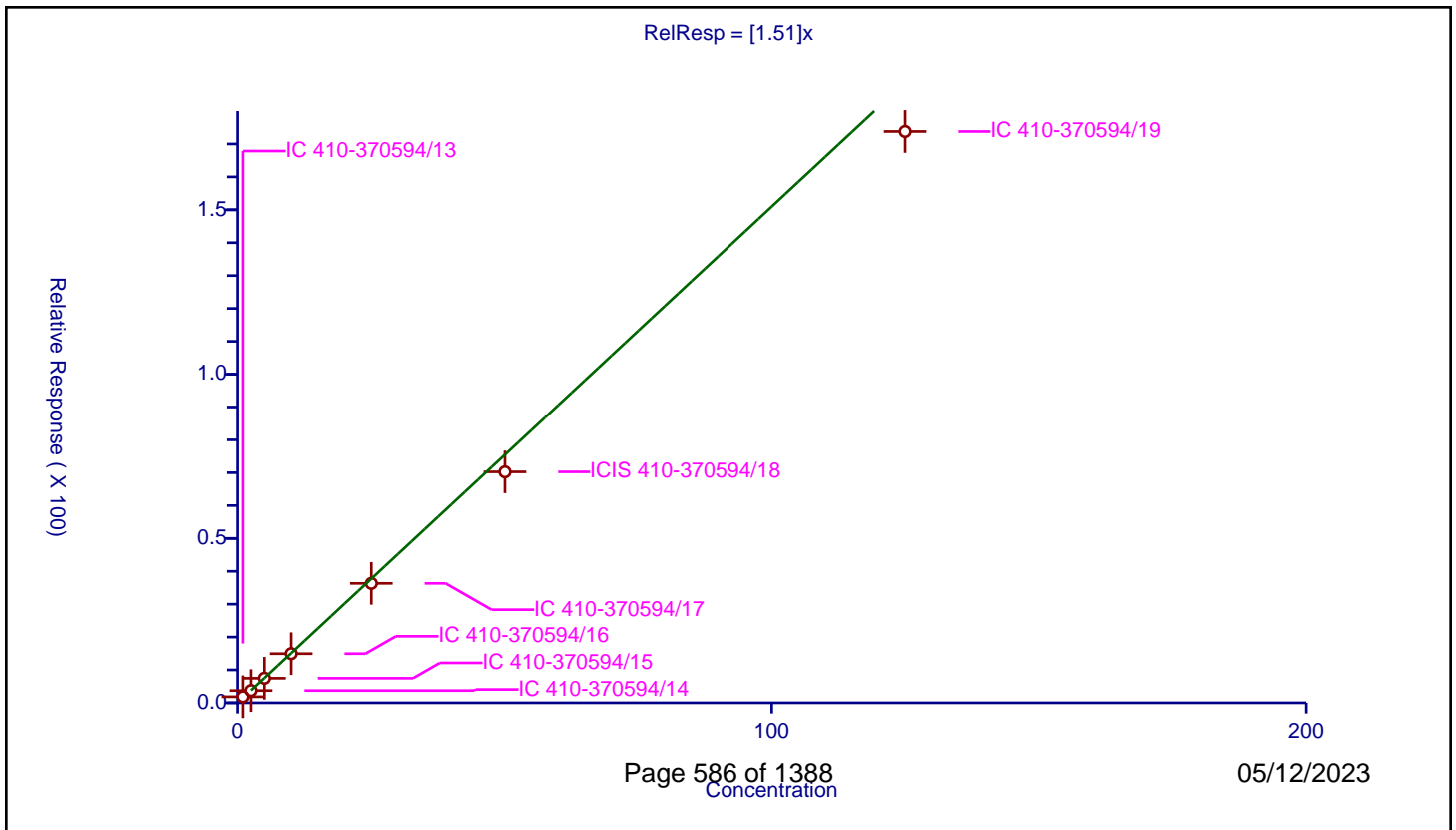
/ Tetrahydrofuran

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

Curve Coefficients	
Intercept:	0
Slope:	1.51

Error Coefficients	
Standard Error:	256000
Relative Standard Error:	10.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	1.0	1.843966	50.0	157568.0	1.843966	Y
2	IC 410-370594/14	2.5	3.72044	50.0	155237.0	1.488176	Y
3	IC 410-370594/15	5.0	7.466784	50.0	157531.0	1.493357	Y
4	IC 410-370594/16	10.0	14.940456	50.0	155263.0	1.494046	Y
5	IC 410-370594/17	25.0	36.330527	50.0	154995.0	1.453221	Y
6	ICIS 410-370594/18	50.0	70.255356	50.0	158563.0	1.405107	Y
7	IC 410-370594/19	125.0	173.79939	50.0	164937.0	1.390395	Y



Calibration

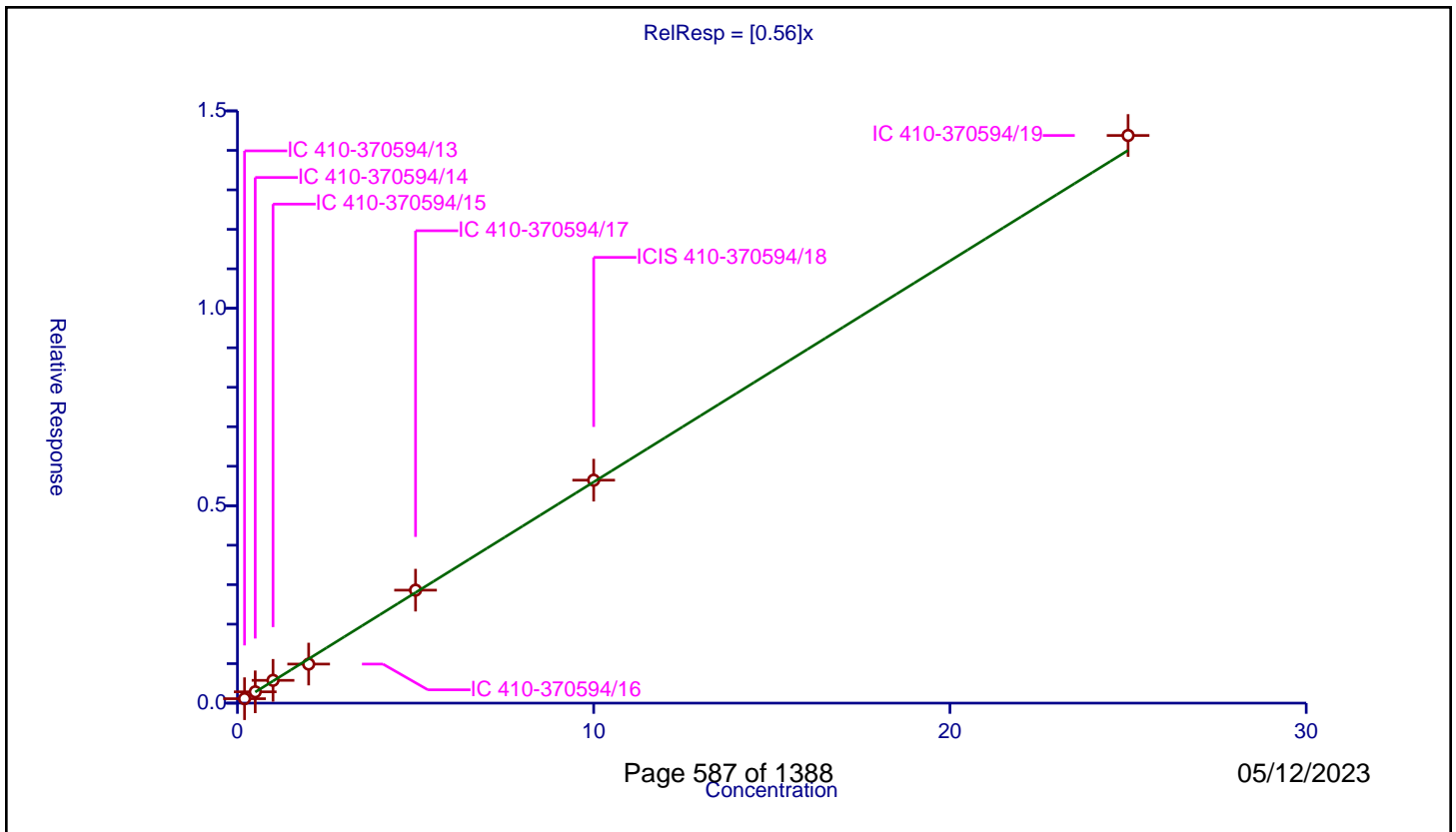
/ Chloroform

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

Curve Coefficients	
Intercept:	0
Slope:	0.56

Error Coefficients	
Standard Error:	1290000
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 410-370594/13	0.2	0.112613	10.0	1960073.0	0.563066	Y
2	IC 410-370594/14	0.5	0.286622	10.0	1943779.0	0.573244	Y
3	IC 410-370594/15	1.0	0.577384	10.0	1958541.0	0.577384	Y
4	IC 410-370594/16	2.0	0.989235	10.0	1967571.0	0.494617	Y
5	IC 410-370594/17	5.0	2.861097	10.0	1980922.0	0.572219	Y
6	ICIS 410-370594/18	10.0	5.646984	10.0	1979051.0	0.564698	Y
7	IC 410-370594/19	25.0	14.377579	10.0	2018771.0	0.575103	Y



Calibration

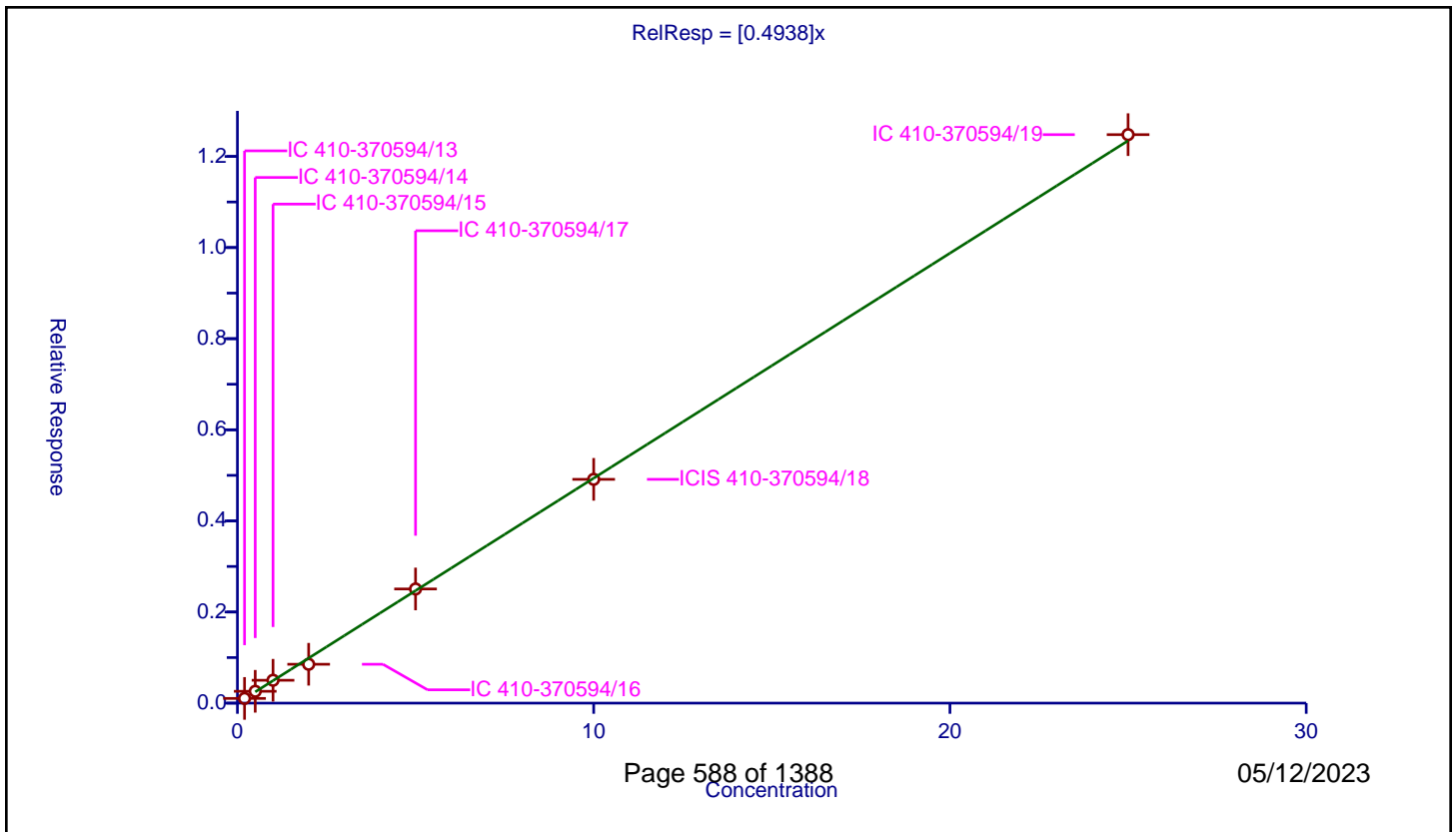
/ 1,1,1-Trichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4938

Error Coefficients	
Standard Error:	1120000
Relative Standard Error:	6.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	0.103328	10.0	1960073.0	0.516639	Y
2	IC 410-370594/14	0.5	0.259968	10.0	1943779.0	0.519936	Y
3	IC 410-370594/15	1.0	0.50194	10.0	1958541.0	0.50194	Y
4	IC 410-370594/16	2.0	0.853245	10.0	1967571.0	0.426622	Y
5	IC 410-370594/17	5.0	2.505853	10.0	1980922.0	0.501171	Y
6	ICIS 410-370594/18	10.0	4.912314	10.0	1979051.0	0.491231	Y
7	IC 410-370594/19	25.0	12.478439	10.0	2018771.0	0.499138	Y



Calibration

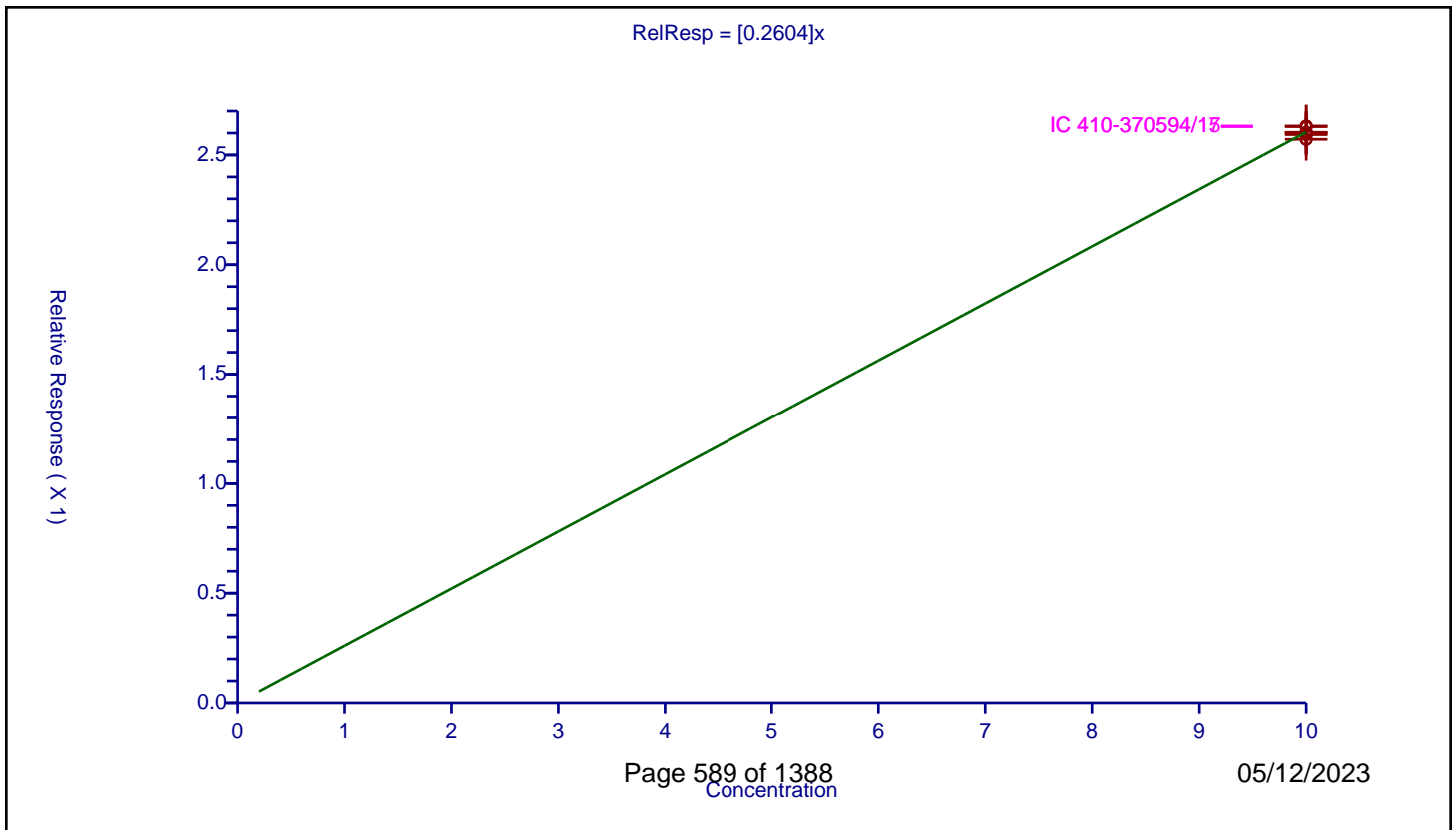
/ Dibromofluoromethane (Surr)

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

Curve Coefficients	
Intercept:	0
Slope:	0.2604

Error Coefficients	
Standard Error:	555000
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 410-370594/13	10.0	2.599169	10.0	1960073.0	0.259917	Y
2	IC 410-370594/14	10.0	2.603424	10.0	1943779.0	0.260342	Y
3	IC 410-370594/15	10.0	2.632189	10.0	1958541.0	0.263219	Y
4	IC 410-370594/16	10.0	2.592918	10.0	1967571.0	0.259292	Y
5	IC 410-370594/17	10.0	2.629306	10.0	1980922.0	0.262931	Y
6	ICIS 410-370594/18	10.0	2.601803	10.0	1979051.0	0.26018	Y
7	IC 410-370594/19	10.0	2.571545	10.0	2018771.0	0.257154	Y



Calibration

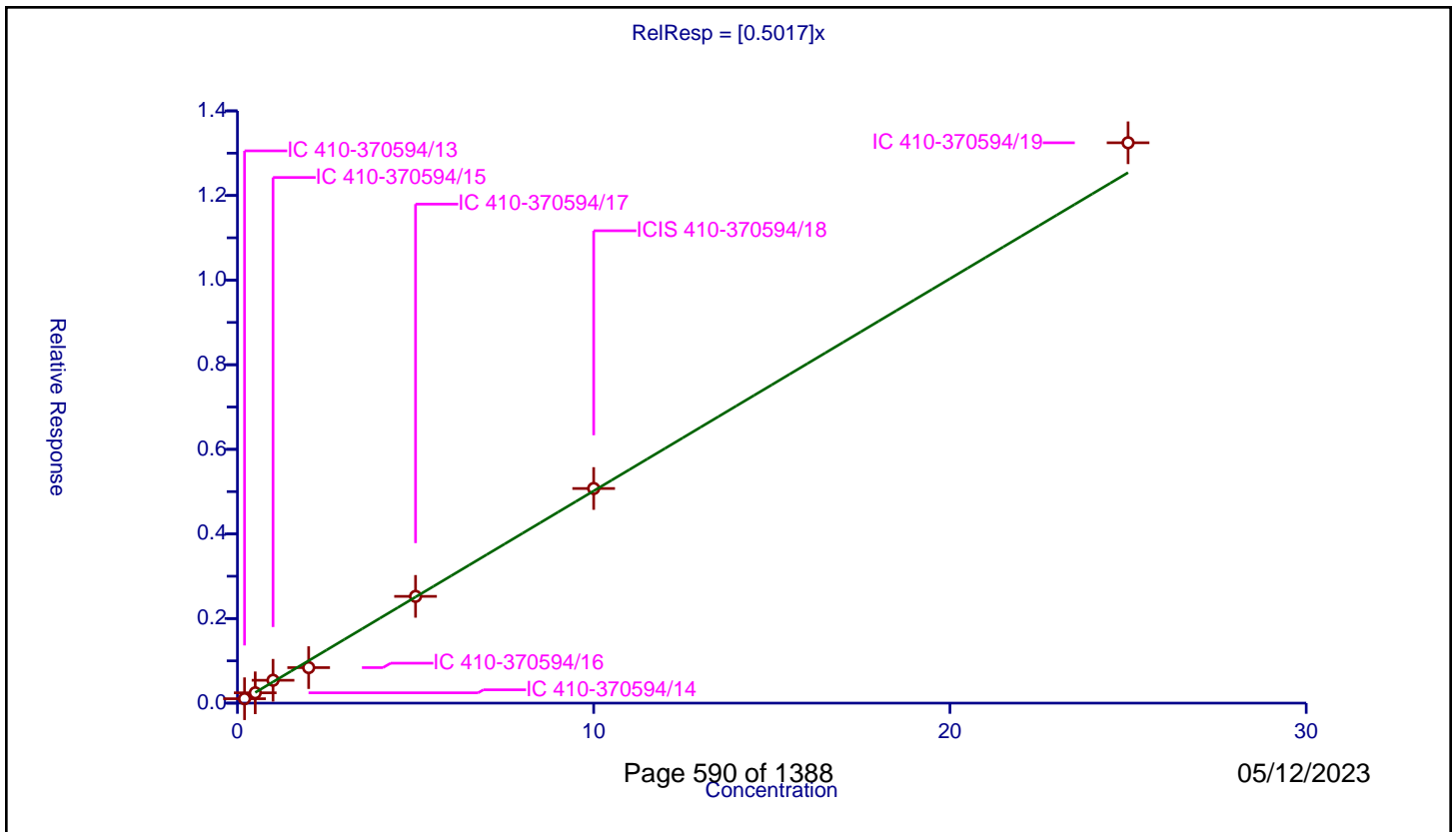
/ Cyclohexane

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

Curve Coefficients	
Intercept:	0
Slope:	0.5017

Error Coefficients	
Standard Error:	1190000
Relative Standard Error:	8.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	0.104353	10.0	1960073.0	0.521766	Y
2	IC 410-370594/14	0.5	0.243762	10.0	1943779.0	0.487525	Y
3	IC 410-370594/15	1.0	0.540382	10.0	1958541.0	0.540382	Y
4	IC 410-370594/16	2.0	0.839873	10.0	1967571.0	0.419937	Y
5	IC 410-370594/17	5.0	2.524001	10.0	1980922.0	0.5048	Y
6	ICIS 410-370594/18	10.0	5.073619	10.0	1979051.0	0.507362	Y
7	IC 410-370594/19	25.0	13.246361	10.0	2018771.0	0.529854	Y



Calibration

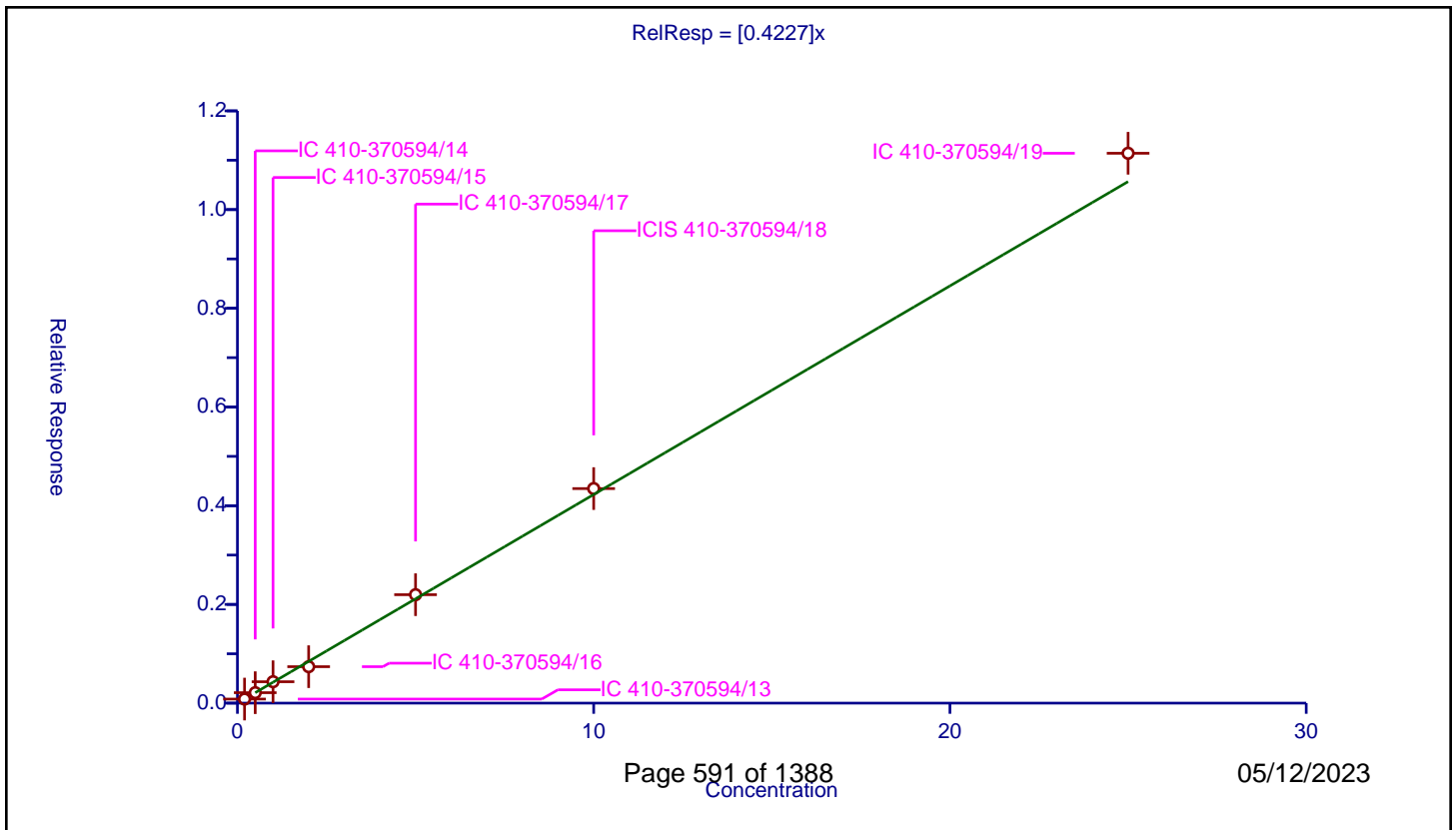
/ Carbon tetrachloride

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

Curve Coefficients	
Intercept:	0
Slope:	0.4227

Error Coefficients	
Standard Error:	1000000
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 410-370594/13	0.2	0.0824	10.0	1960073.0	0.412	Y
2	IC 410-370594/14	0.5	0.21202	10.0	1943779.0	0.42404	Y
3	IC 410-370594/15	1.0	0.433813	10.0	1958541.0	0.433813	Y
4	IC 410-370594/16	2.0	0.738383	10.0	1967571.0	0.369191	Y
5	IC 410-370594/17	5.0	2.197012	10.0	1980922.0	0.439402	Y
6	ICIS 410-370594/18	10.0	4.34725	10.0	1979051.0	0.434725	Y
7	IC 410-370594/19	25.0	11.141145	10.0	2018771.0	0.445646	Y



Calibration

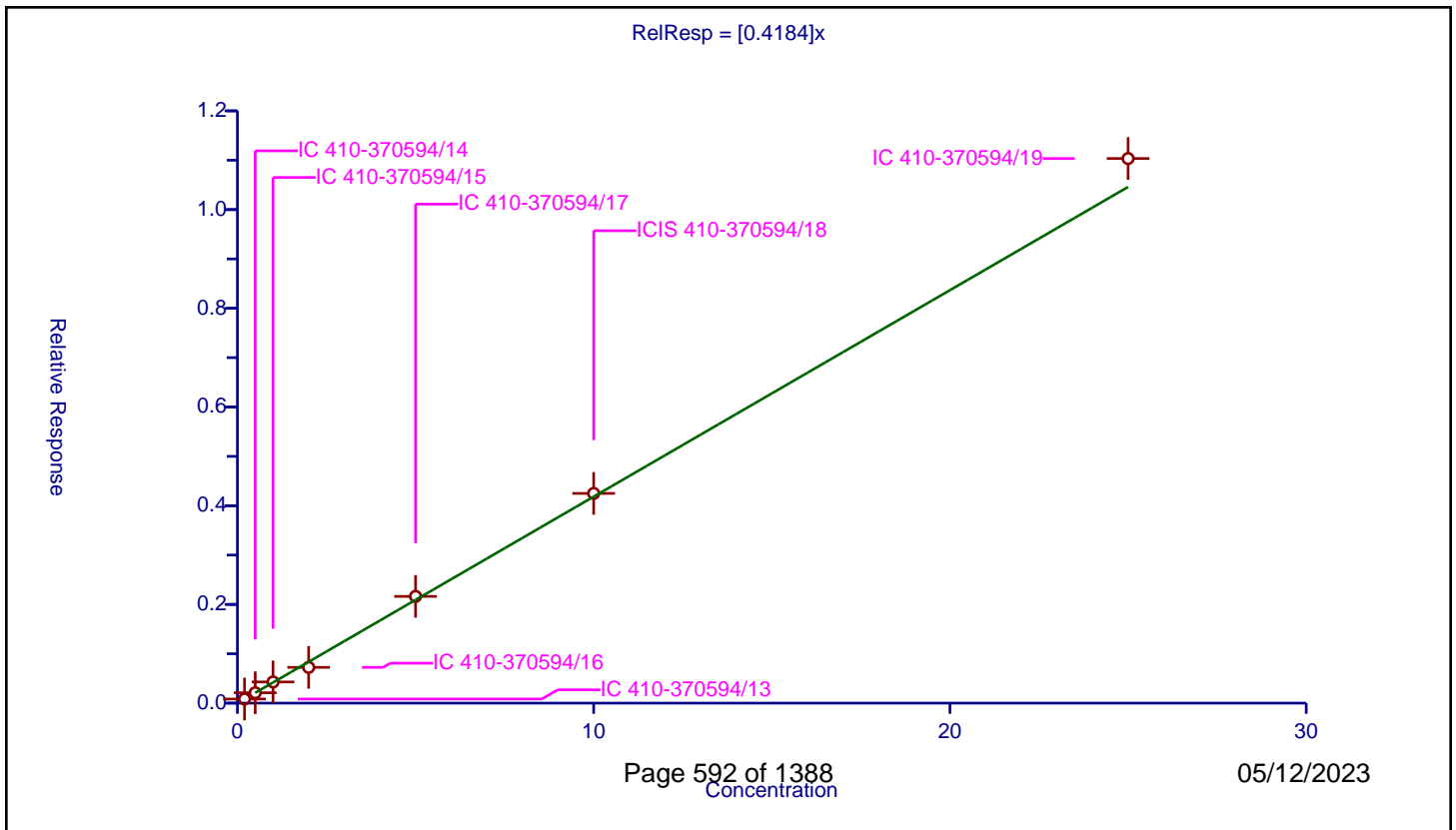
/ 1,1-Dichloropropene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4184

Error Coefficients	
Standard Error:	990000
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 410-370594/13	0.2	0.083512	10.0	1960073.0	0.417561	Y
2	IC 410-370594/14	0.5	0.210168	10.0	1943779.0	0.420336	Y
3	IC 410-370594/15	1.0	0.429498	10.0	1958541.0	0.429498	Y
4	IC 410-370594/16	2.0	0.724619	10.0	1967571.0	0.36231	Y
5	IC 410-370594/17	5.0	2.162417	10.0	1980922.0	0.432483	Y
6	ICIS 410-370594/18	10.0	4.249289	10.0	1979051.0	0.424929	Y
7	IC 410-370594/19	25.0	11.034377	10.0	2018771.0	0.441375	Y



Calibration

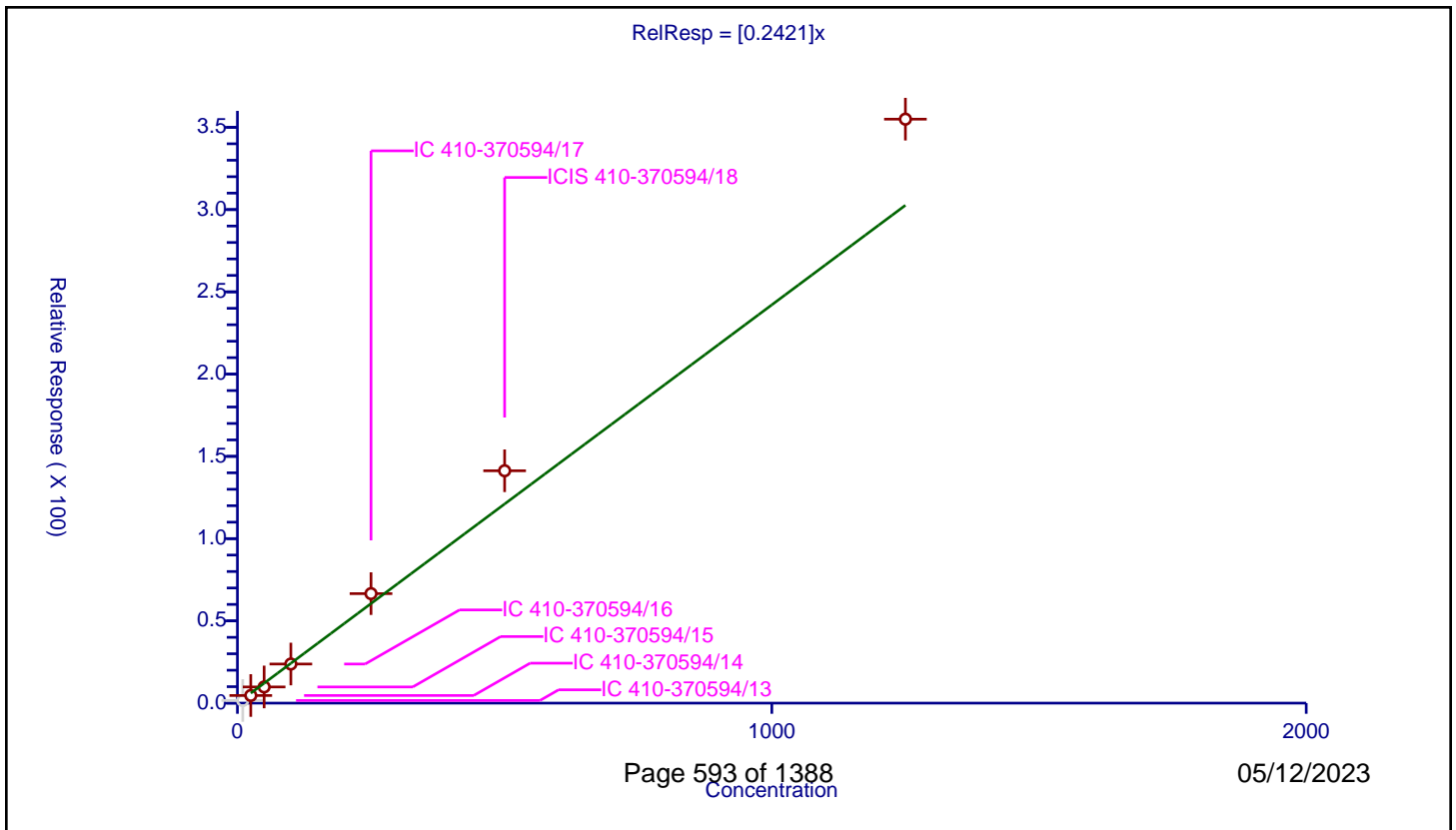
/ Isobutyl alcohol

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

Curve Coefficients	
Intercept:	0
Slope:	0.2421

Error Coefficients	
Standard Error:	569000
Relative Standard Error:	17.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.962

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	10.0	1.608512	50.0	157568.0	0.160851	N
2	IC 410-370594/14	25.0	4.63195	50.0	155237.0	0.185278	Y
3	IC 410-370594/15	50.0	9.841872	50.0	157531.0	0.196837	Y
4	IC 410-370594/16	100.0	23.775143	50.0	155263.0	0.237751	Y
5	IC 410-370594/17	250.0	66.568922	50.0	154995.0	0.266276	Y
6	ICIS 410-370594/18	500.0	141.248589	50.0	158563.0	0.282497	Y
7	IC 410-370594/19	1250.0	354.966745	50.0	164937.0	0.283973	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

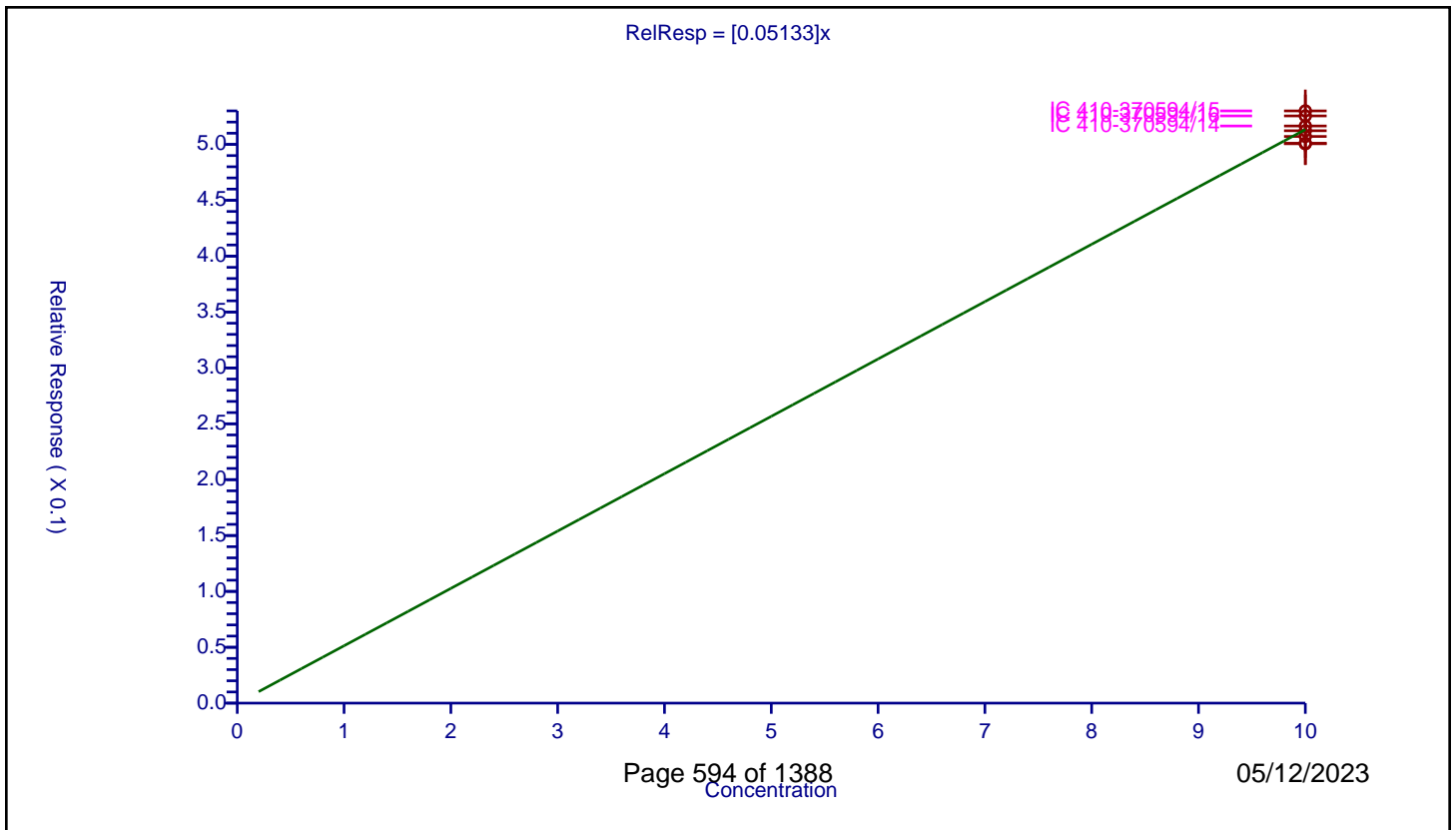
Curve Coefficients

Intercept: 0
 Slope: 0.05133

Error Coefficients

Standard Error: 109000
 Relative Standard Error: 2.2
 Correlation Coefficient: 0.00000000000000000000
 Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	10.0	0.507129	10.0	1960073.0	0.050713	Y
2	IC 410-370594/14	10.0	0.516478	10.0	1943779.0	0.051648	Y
3	IC 410-370594/15	10.0	0.529986	10.0	1958541.0	0.052999	Y
4	IC 410-370594/16	10.0	0.525485	10.0	1967571.0	0.052549	Y
5	IC 410-370594/17	10.0	0.500585	10.0	1980922.0	0.050059	Y
6	ICIS 410-370594/18	10.0	0.512251	10.0	1979051.0	0.051225	Y
7	IC 410-370594/19	10.0	0.501047	10.0	2018771.0	0.050105	Y



Calibration

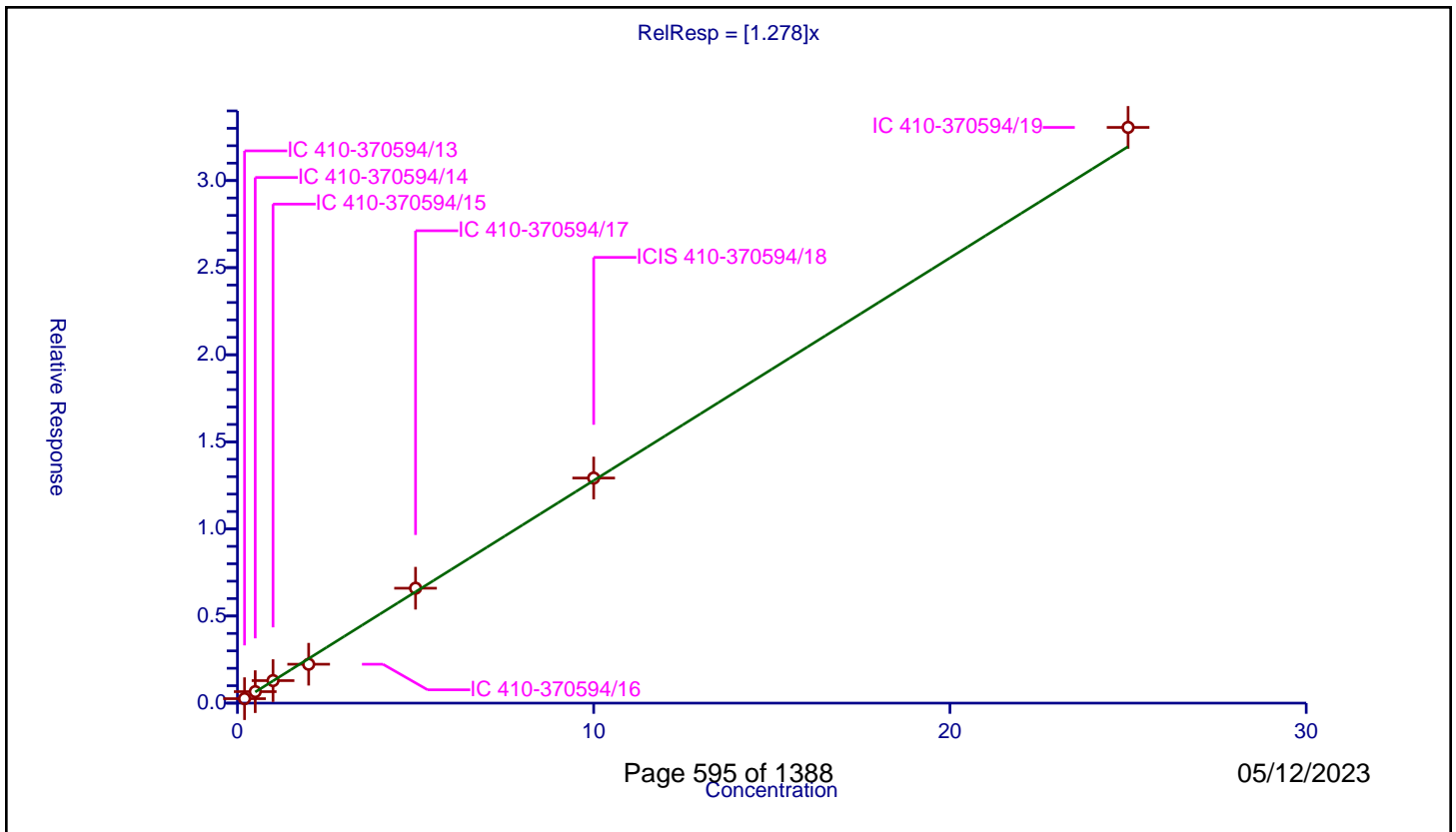
/ Benzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.278

Error Coefficients	
Standard Error:	2970000
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 410-370594/13	0.2	0.256837	10.0	1960073.0	1.284187	Y
2	IC 410-370594/14	0.5	0.659118	10.0	1943779.0	1.318236	Y
3	IC 410-370594/15	1.0	1.293208	10.0	1958541.0	1.293208	Y
4	IC 410-370594/16	2.0	2.232956	10.0	1967571.0	1.116478	Y
5	IC 410-370594/17	5.0	6.596751	10.0	1980922.0	1.31935	Y
6	ICIS 410-370594/18	10.0	12.923154	10.0	1979051.0	1.292315	Y
7	IC 410-370594/19	25.0	33.052407	10.0	2018771.0	1.322096	Y



Calibration

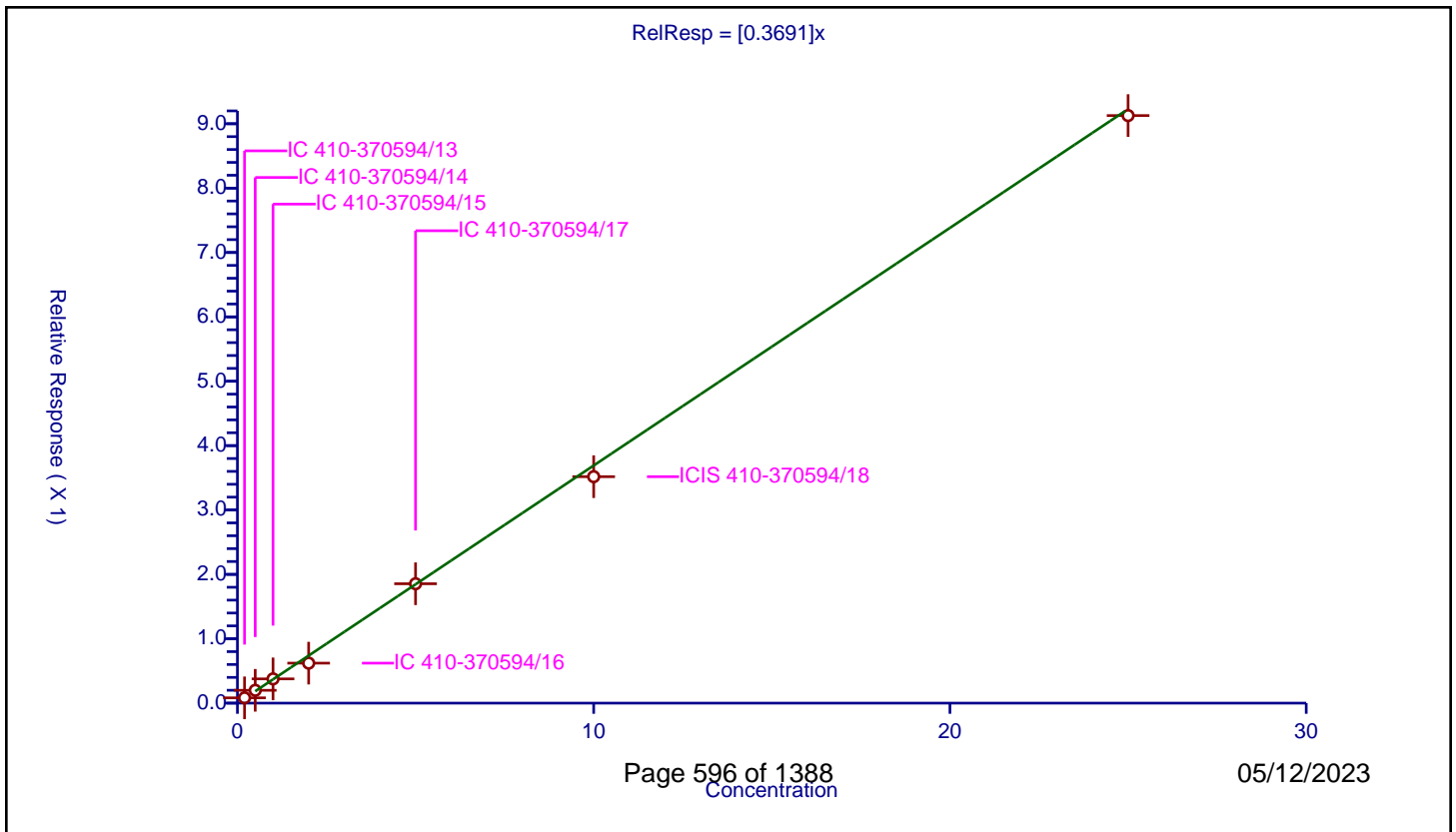
/ 1,2-Dichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3691

Error Coefficients	
Standard Error:	820000
Relative Standard Error:	8.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	0.082028	10.0	1960073.0	0.410138	Y
2	IC 410-370594/14	0.5	0.19938	10.0	1943779.0	0.398759	Y
3	IC 410-370594/15	1.0	0.376632	10.0	1958541.0	0.376632	Y
4	IC 410-370594/16	2.0	0.621157	10.0	1967571.0	0.310578	Y
5	IC 410-370594/17	5.0	1.854566	10.0	1980922.0	0.370913	Y
6	ICIS 410-370594/18	10.0	3.517908	10.0	1979051.0	0.351791	Y
7	IC 410-370594/19	25.0	9.12736	10.0	2018771.0	0.365094	Y



Calibration

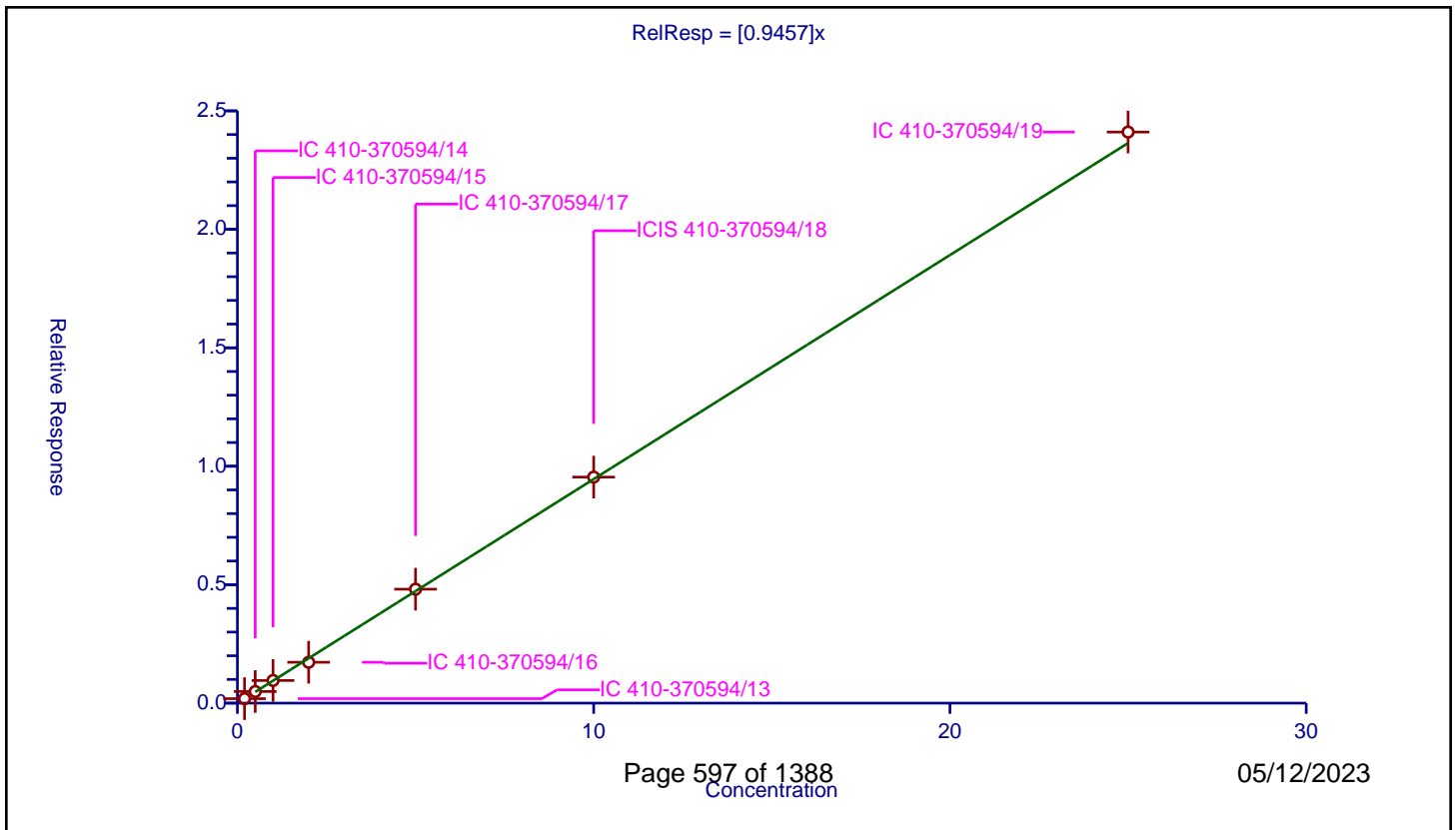
/ Tert-amyl methyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.9457

Error Coefficients	
Standard Error:	2170000
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 410-370594/13	0.2	0.187973	10.0	1960073.0	0.939863	Y
2	IC 410-370594/14	0.5	0.490565	10.0	1943779.0	0.98113	Y
3	IC 410-370594/15	1.0	0.955941	10.0	1958541.0	0.955941	Y
4	IC 410-370594/16	2.0	1.724893	10.0	1967571.0	0.862447	Y
5	IC 410-370594/17	5.0	4.809962	10.0	1980922.0	0.961992	Y
6	ICIS 410-370594/18	10.0	9.541073	10.0	1979051.0	0.954107	Y
7	IC 410-370594/19	25.0	24.105651	10.0	2018771.0	0.964226	Y



Calibration

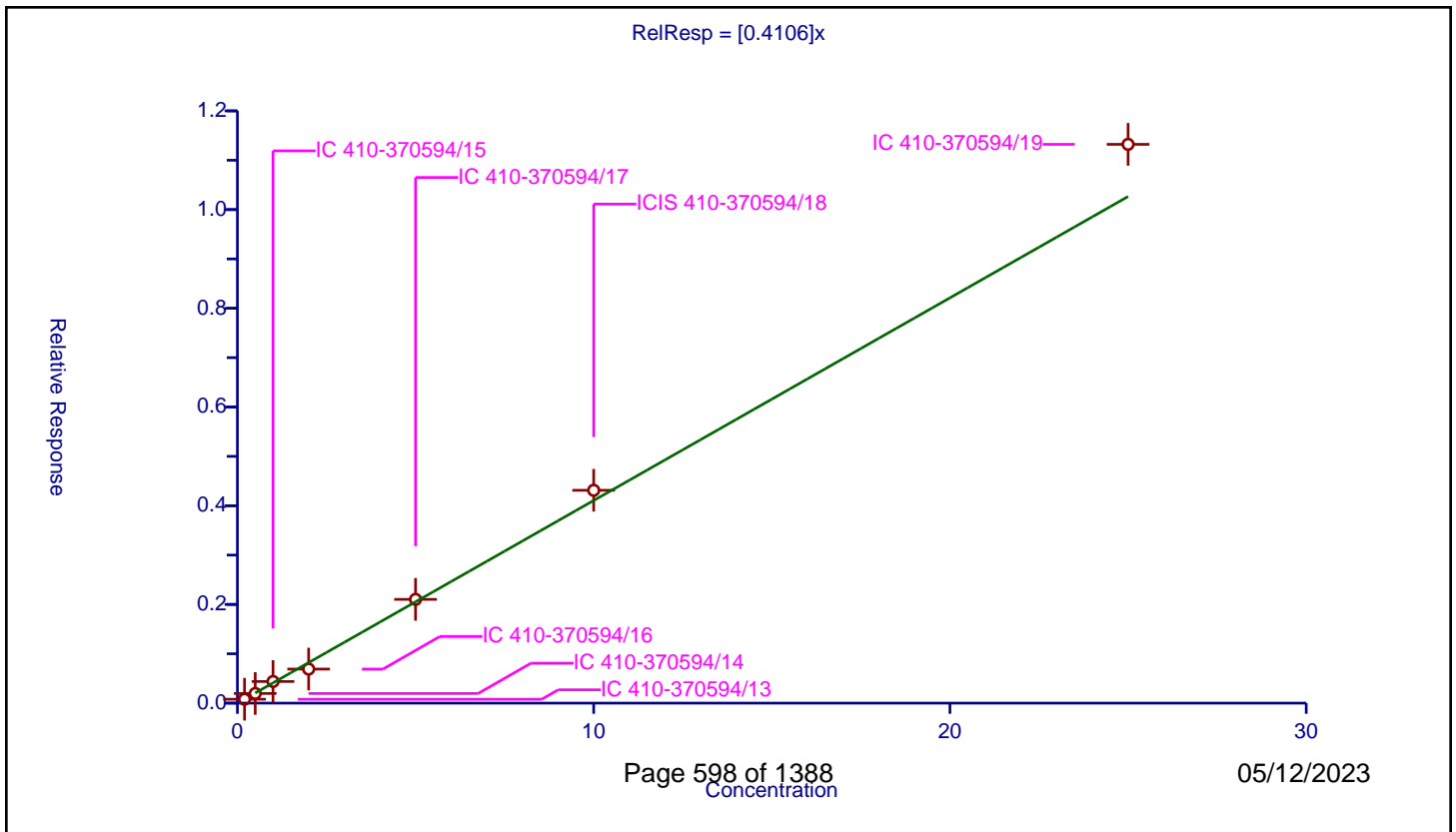
/ n-Heptane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4106

Error Coefficients	
Standard Error:	1010000
Relative Standard Error:	8.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	0.07891	10.0	1960073.0	0.394552	Y
2	IC 410-370594/14	0.5	0.195742	10.0	1943779.0	0.391485	Y
3	IC 410-370594/15	1.0	0.438531	10.0	1958541.0	0.438531	Y
4	IC 410-370594/16	2.0	0.689825	10.0	1967571.0	0.344913	Y
5	IC 410-370594/17	5.0	2.102445	10.0	1980922.0	0.420489	Y
6	ICIS 410-370594/18	10.0	4.312749	10.0	1979051.0	0.431275	Y
7	IC 410-370594/19	25.0	11.32226	10.0	2018771.0	0.45289	Y



Calibration

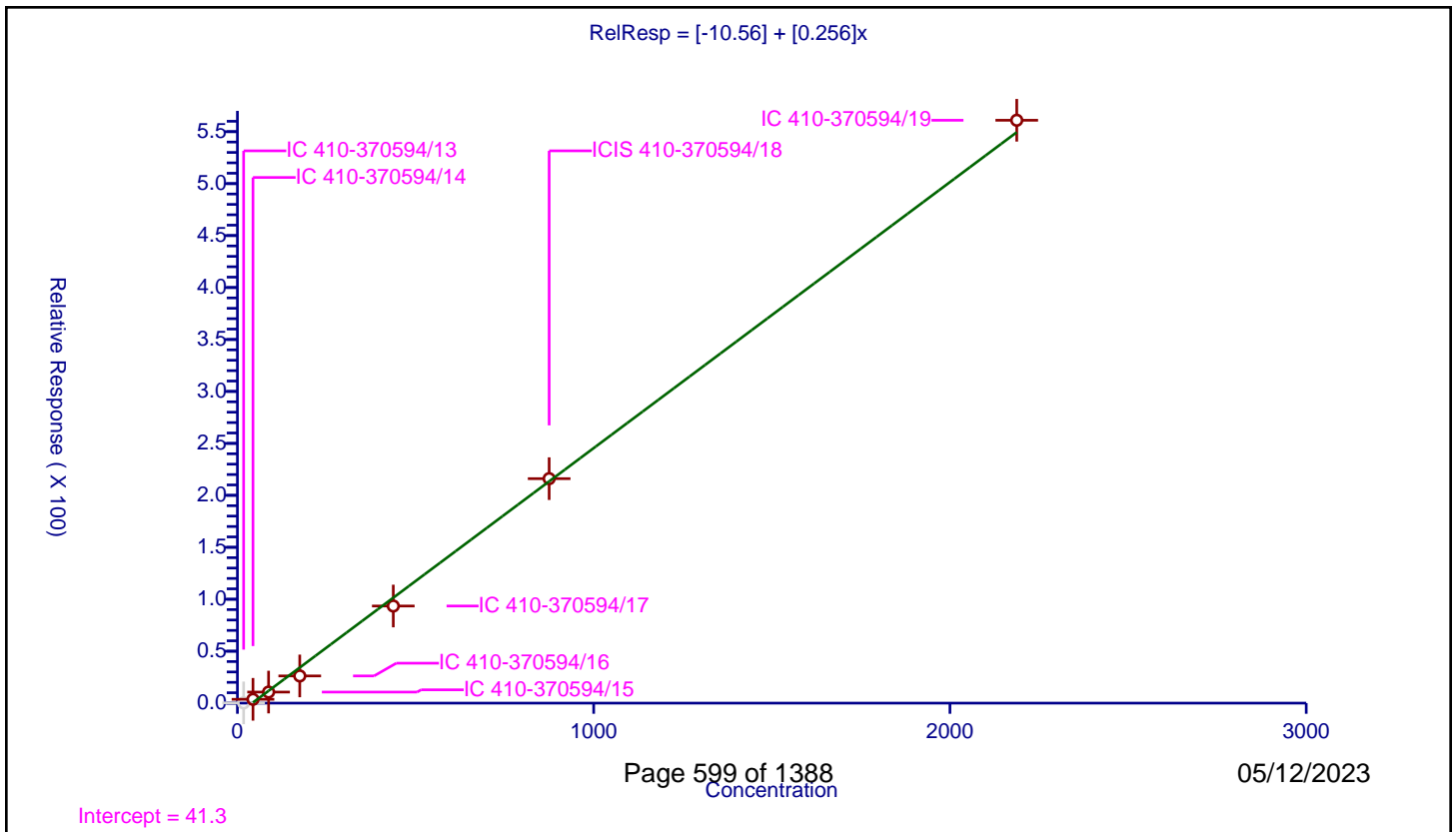
/ n-Butanol

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-10.56
Slope:	0.256

Error Coefficients	
Standard Error:	998000
Relative Standard Error:	16.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	17.5	0.243704	50.0	157568.0	0.013926	N
2	IC 410-370594/14	43.75	3.679213	50.0	155237.0	0.084096	Y
3	IC 410-370594/15	87.5	10.65568	50.0	157531.0	0.121779	Y
4	IC 410-370594/16	175.0	26.17301	50.0	155263.0	0.14956	Y
5	IC 410-370594/17	437.5	93.465918	50.0	154995.0	0.213636	Y
6	ICIS 410-370594/18	875.0	216.053871	50.0	158563.0	0.246919	Y
7	IC 410-370594/19	2187.5	560.985103	50.0	164937.0	0.25645	Y



Calibration

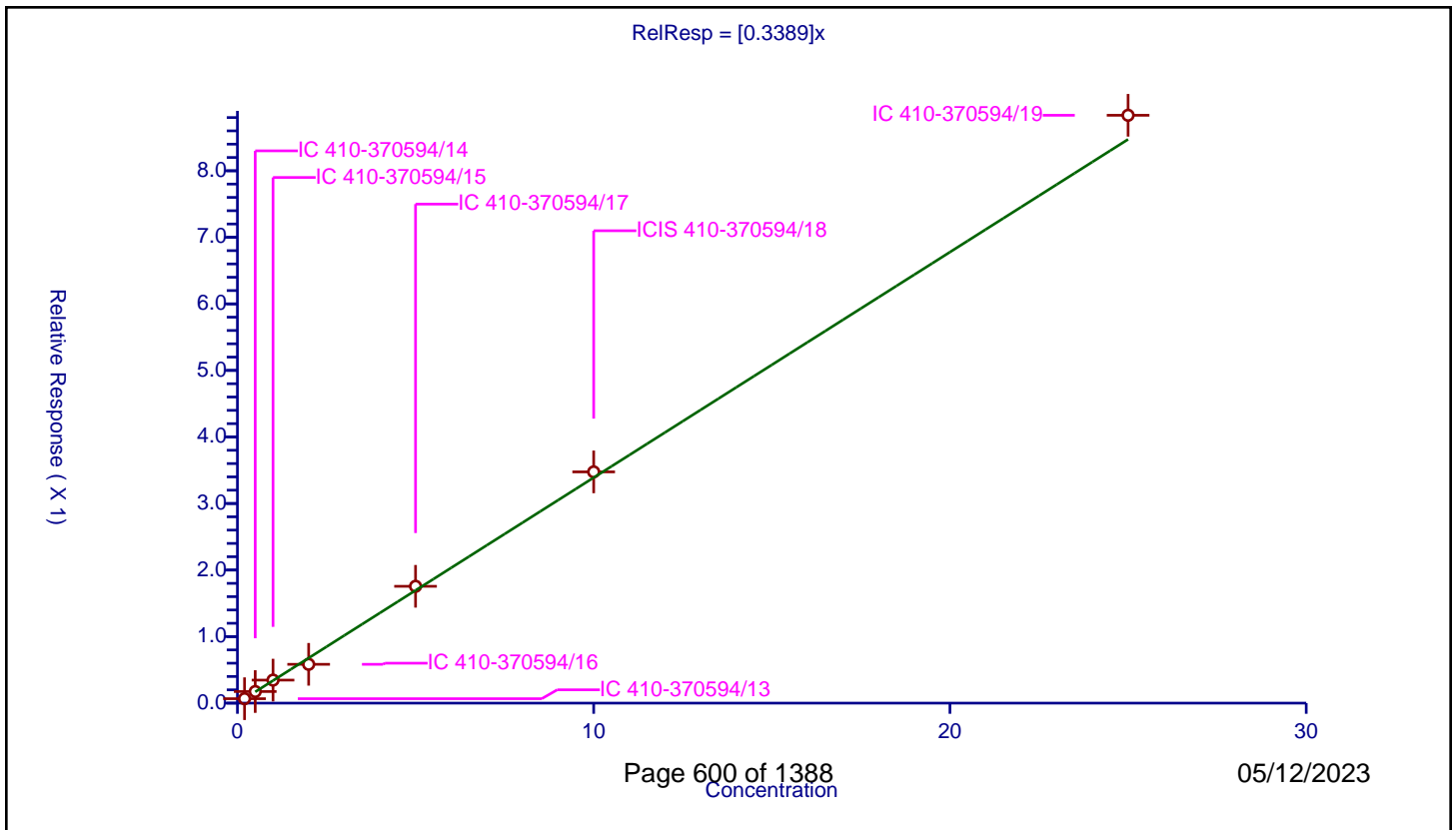
/ Trichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.3389

Error Coefficients	
Standard Error:	795000
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 410-370594/13	0.2	0.066783	10.0	1960073.0	0.333916	Y
2	IC 410-370594/14	0.5	0.174408	10.0	1943779.0	0.348815	Y
3	IC 410-370594/15	1.0	0.345865	10.0	1958541.0	0.345865	Y
4	IC 410-370594/16	2.0	0.583283	10.0	1967571.0	0.291641	Y
5	IC 410-370594/17	5.0	1.755723	10.0	1980922.0	0.351145	Y
6	ICIS 410-370594/18	10.0	3.47512	10.0	1979051.0	0.347512	Y
7	IC 410-370594/19	25.0	8.833835	10.0	2018771.0	0.353353	Y



Calibration

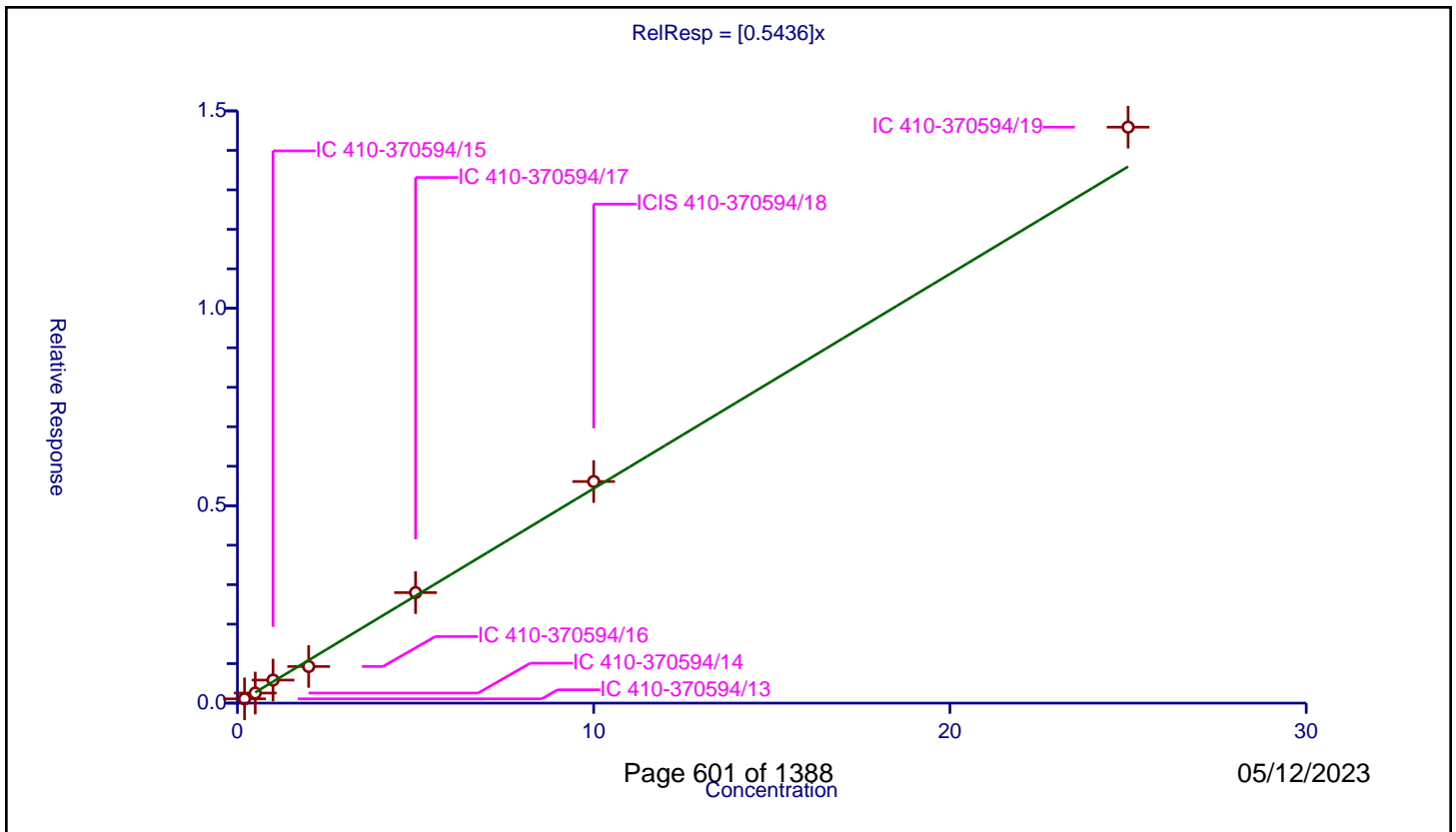
/ Methylcyclohexane

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

Curve Coefficients	
Intercept:	0
Slope:	0.5436

Error Coefficients	
Standard Error:	1310000
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 410-370594/13	0.2	0.108394	10.0	1960073.0	0.54197	Y
2	IC 410-370594/14	0.5	0.255523	10.0	1943779.0	0.511046	Y
3	IC 410-370594/15	1.0	0.583516	10.0	1958541.0	0.583516	Y
4	IC 410-370594/16	2.0	0.927662	10.0	1967571.0	0.463831	Y
5	IC 410-370594/17	5.0	2.798813	10.0	1980922.0	0.559763	Y
6	ICIS 410-370594/18	10.0	5.612786	10.0	1979051.0	0.561279	Y
7	IC 410-370594/19	25.0	14.588579	10.0	2018771.0	0.583543	Y



Calibration

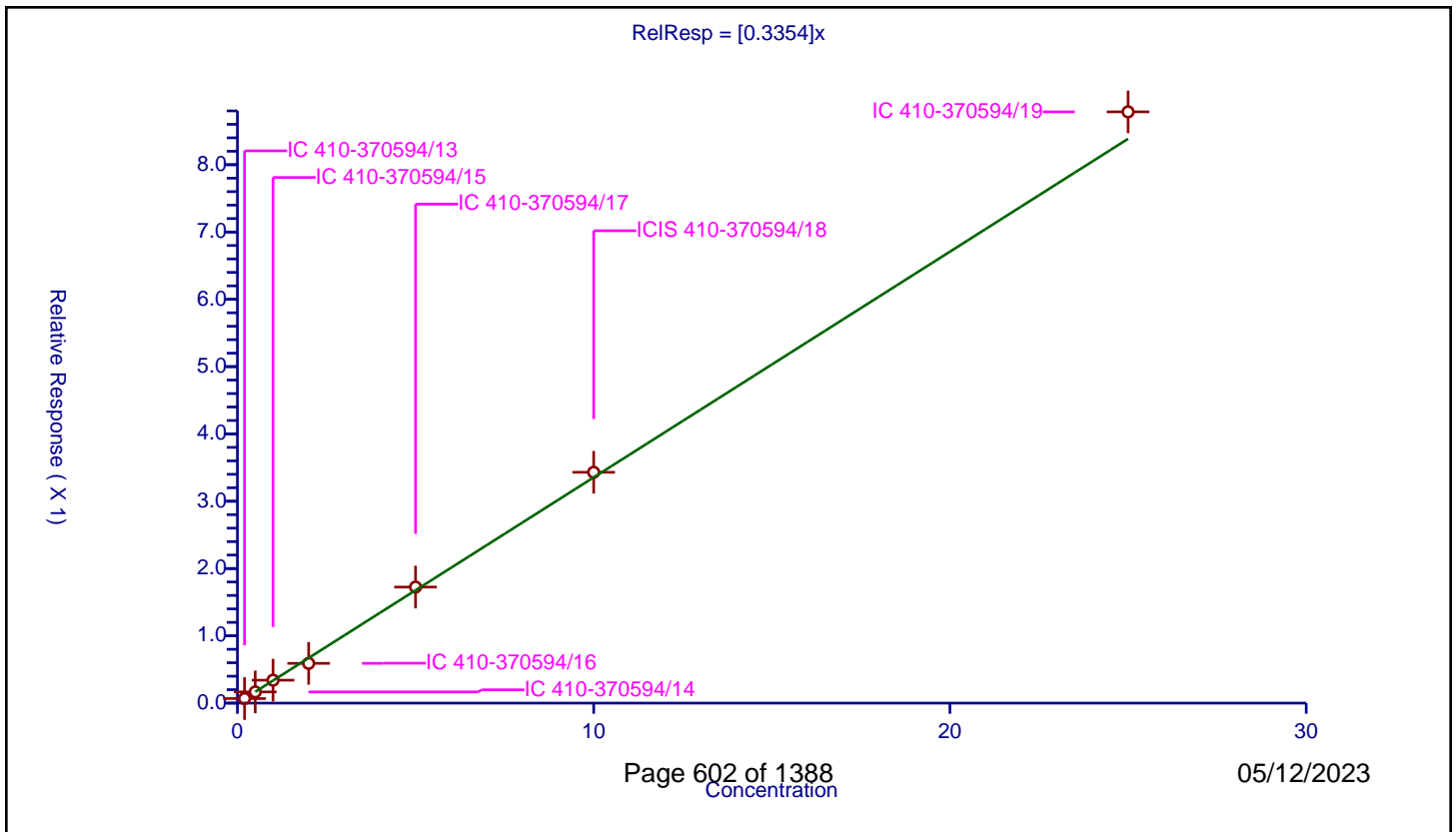
/ 1,2-Dichloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3354

Error Coefficients	
Standard Error:	790000
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 410-370594/13	0.2	0.067926	10.0	1960073.0	0.33963	Y
2	IC 410-370594/14	0.5	0.166346	10.0	1943779.0	0.332692	Y
3	IC 410-370594/15	1.0	0.340794	10.0	1958541.0	0.340794	Y
4	IC 410-370594/16	2.0	0.590845	10.0	1967571.0	0.295423	Y
5	IC 410-370594/17	5.0	1.724328	10.0	1980922.0	0.344866	Y
6	ICIS 410-370594/18	10.0	3.43026	10.0	1979051.0	0.343026	Y
7	IC 410-370594/19	25.0	8.785722	10.0	2018771.0	0.351429	Y



Calibration

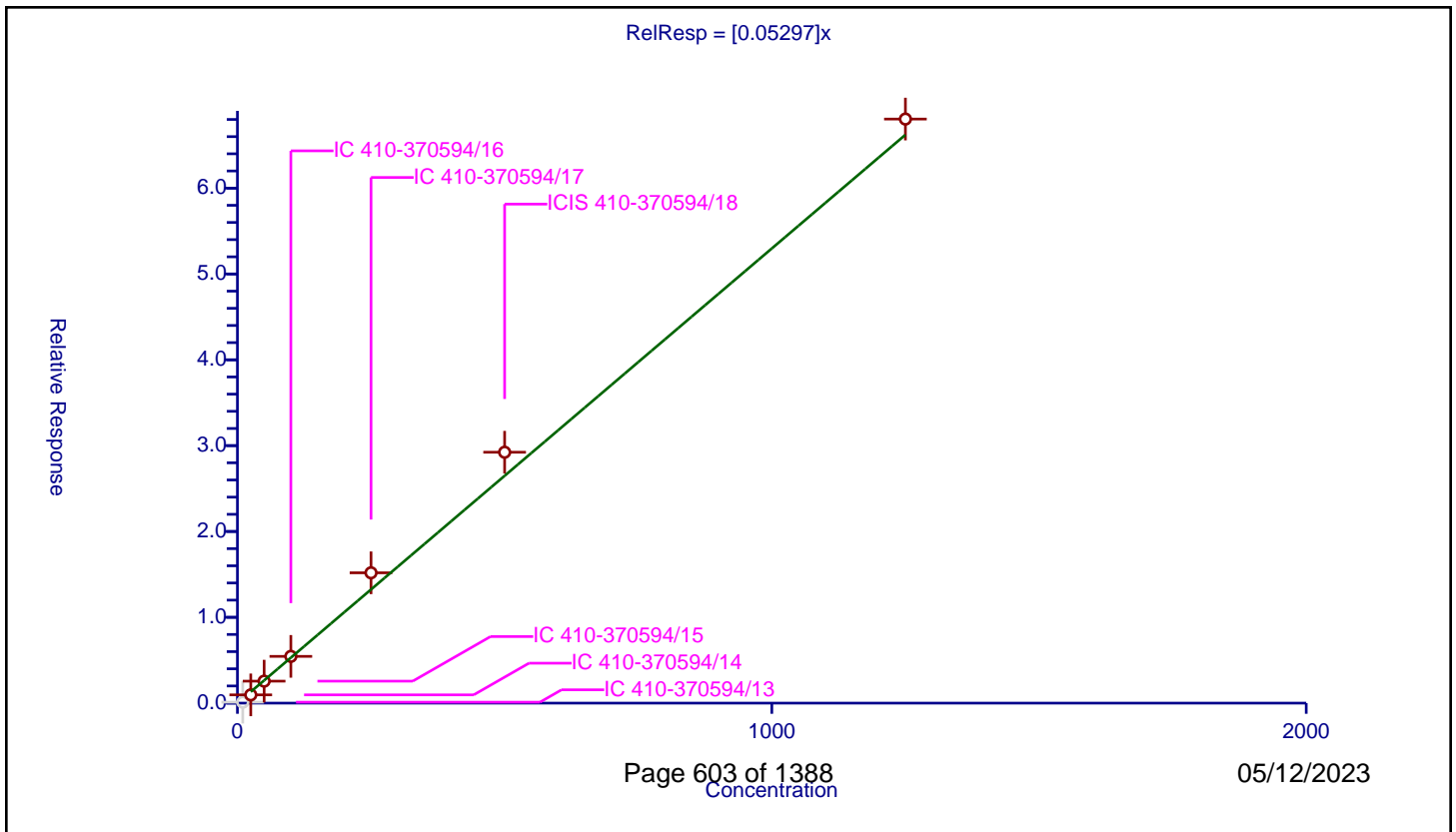
/ 1,4-Dioxane

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

Curve Coefficients	
Intercept:	0
Slope:	0.05297

Error Coefficients	
Standard Error:	111000
Relative Standard Error:	14.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	10.0	0.111063	50.0	157568.0	0.011106	N
2	IC 410-370594/14	25.0	0.962399	50.0	155237.0	0.038496	Y
3	IC 410-370594/15	50.0	2.561083	50.0	157531.0	0.051222	Y
4	IC 410-370594/16	100.0	5.447209	50.0	155263.0	0.054472	Y
5	IC 410-370594/17	250.0	15.185006	50.0	154995.0	0.06074	Y
6	ICIS 410-370594/18	500.0	29.231283	50.0	158563.0	0.058463	Y
7	IC 410-370594/19	1250.0	68.046891	50.0	164937.0	0.054438	Y



Calibration

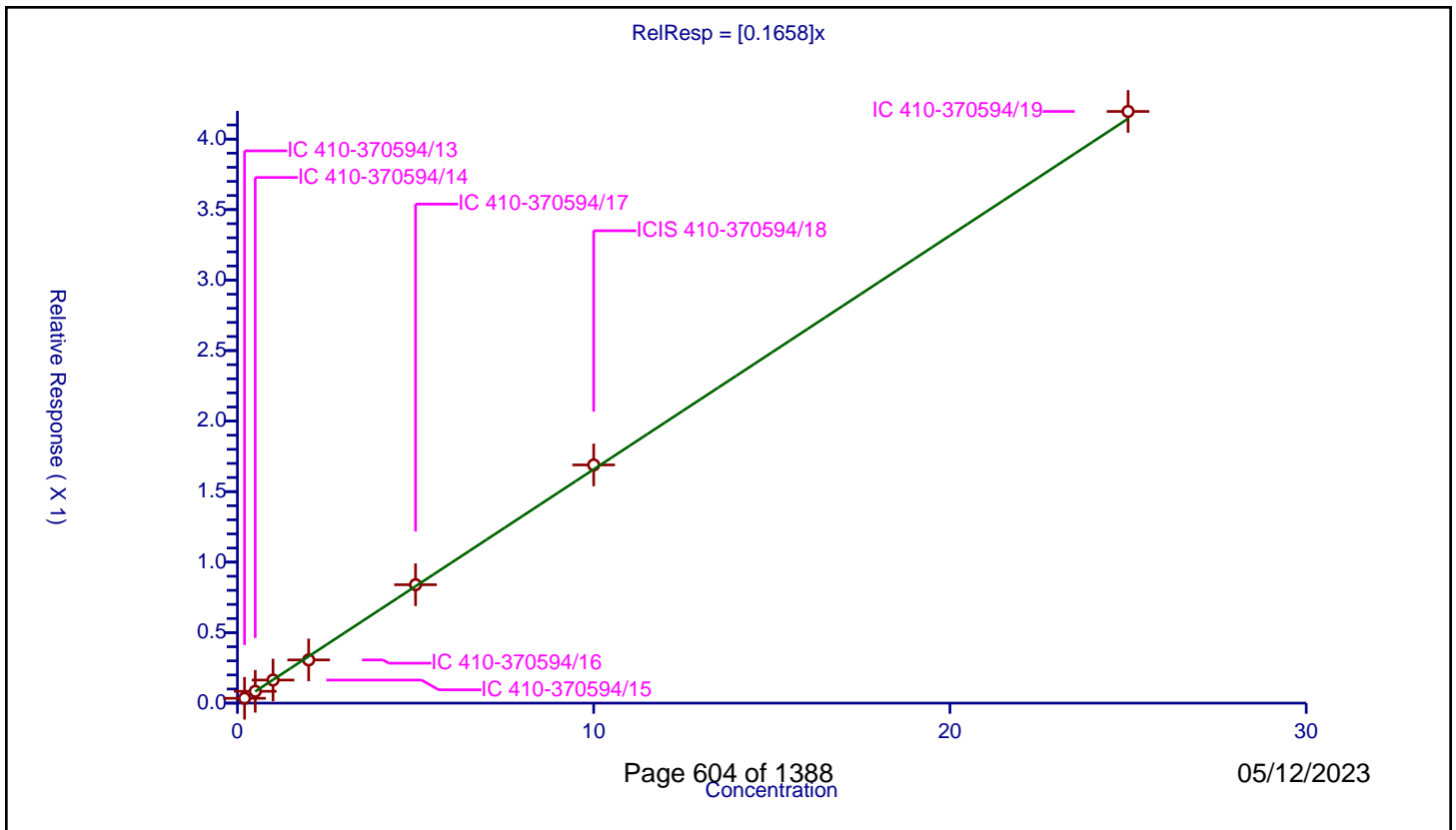
/ Dibromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.1658

Error Coefficients	
Standard Error:	379000
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 410-370594/13	0.2	0.034193	10.0	1960073.0	0.170963	Y
2	IC 410-370594/14	0.5	0.084012	10.0	1943779.0	0.168023	Y
3	IC 410-370594/15	1.0	0.163571	10.0	1958541.0	0.163571	Y
4	IC 410-370594/16	2.0	0.306535	10.0	1967571.0	0.153268	Y
5	IC 410-370594/17	5.0	0.83974	10.0	1980922.0	0.167948	Y
6	ICIS 410-370594/18	10.0	1.689254	10.0	1979051.0	0.168925	Y
7	IC 410-370594/19	25.0	4.196003	10.0	2018771.0	0.16784	Y



Calibration

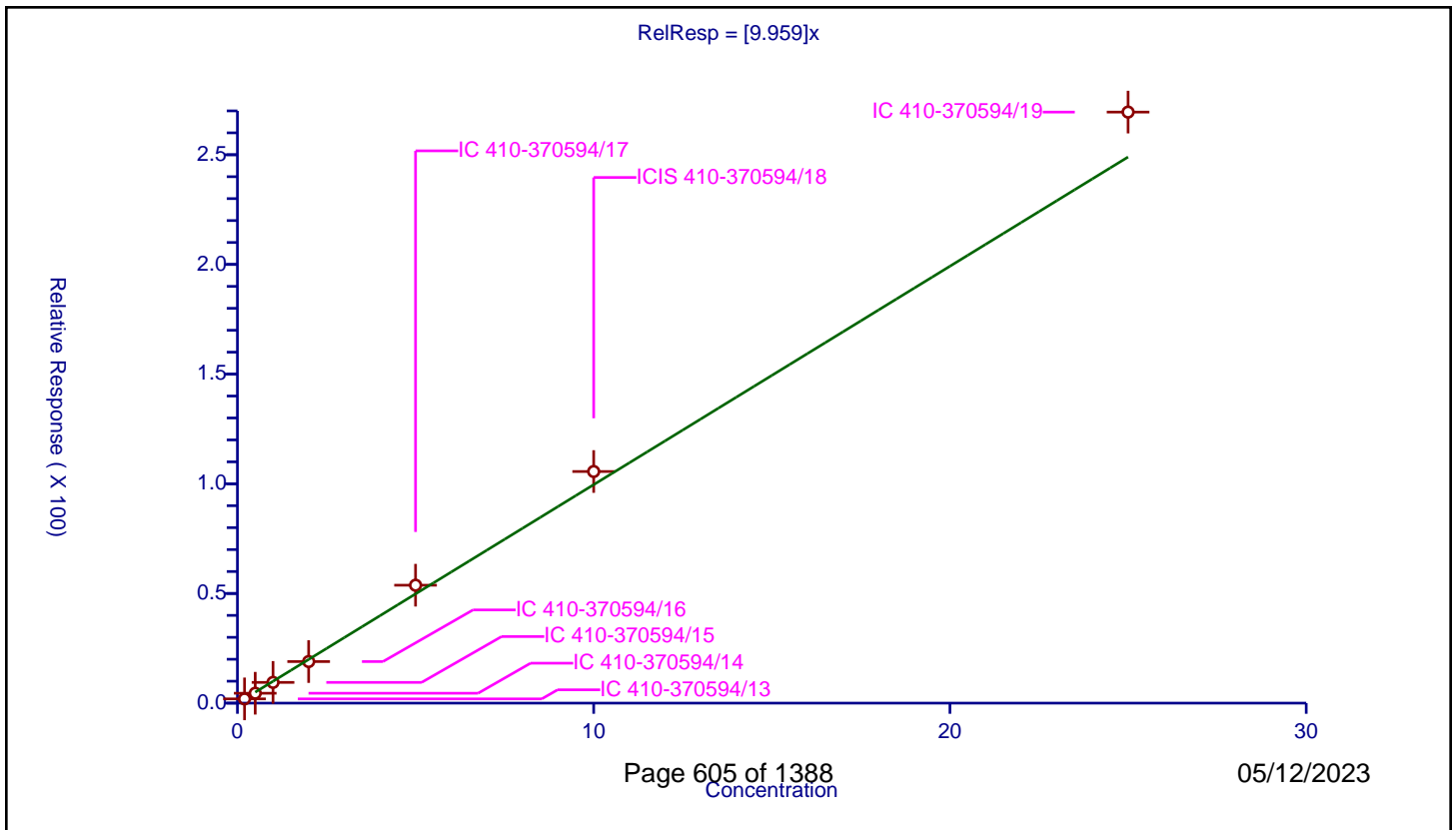
/ Methyl methacrylate

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

Curve Coefficients	
Intercept:	0
Slope:	9.959

Error Coefficients	
Standard Error:	395000
Relative Standard Error:	7.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	1.934086	50.0	157568.0	9.670428	Y
2	IC 410-370594/14	0.5	4.511489	50.0	155237.0	9.022978	Y
3	IC 410-370594/15	1.0	9.456551	50.0	157531.0	9.456551	Y
4	IC 410-370594/16	2.0	18.951714	50.0	155263.0	9.475857	Y
5	IC 410-370594/17	5.0	53.757863	50.0	154995.0	10.751573	Y
6	ICIS 410-370594/18	10.0	105.598721	50.0	158563.0	10.559872	Y
7	IC 410-370594/19	25.0	269.448335	50.0	164937.0	10.777933	Y



Calibration

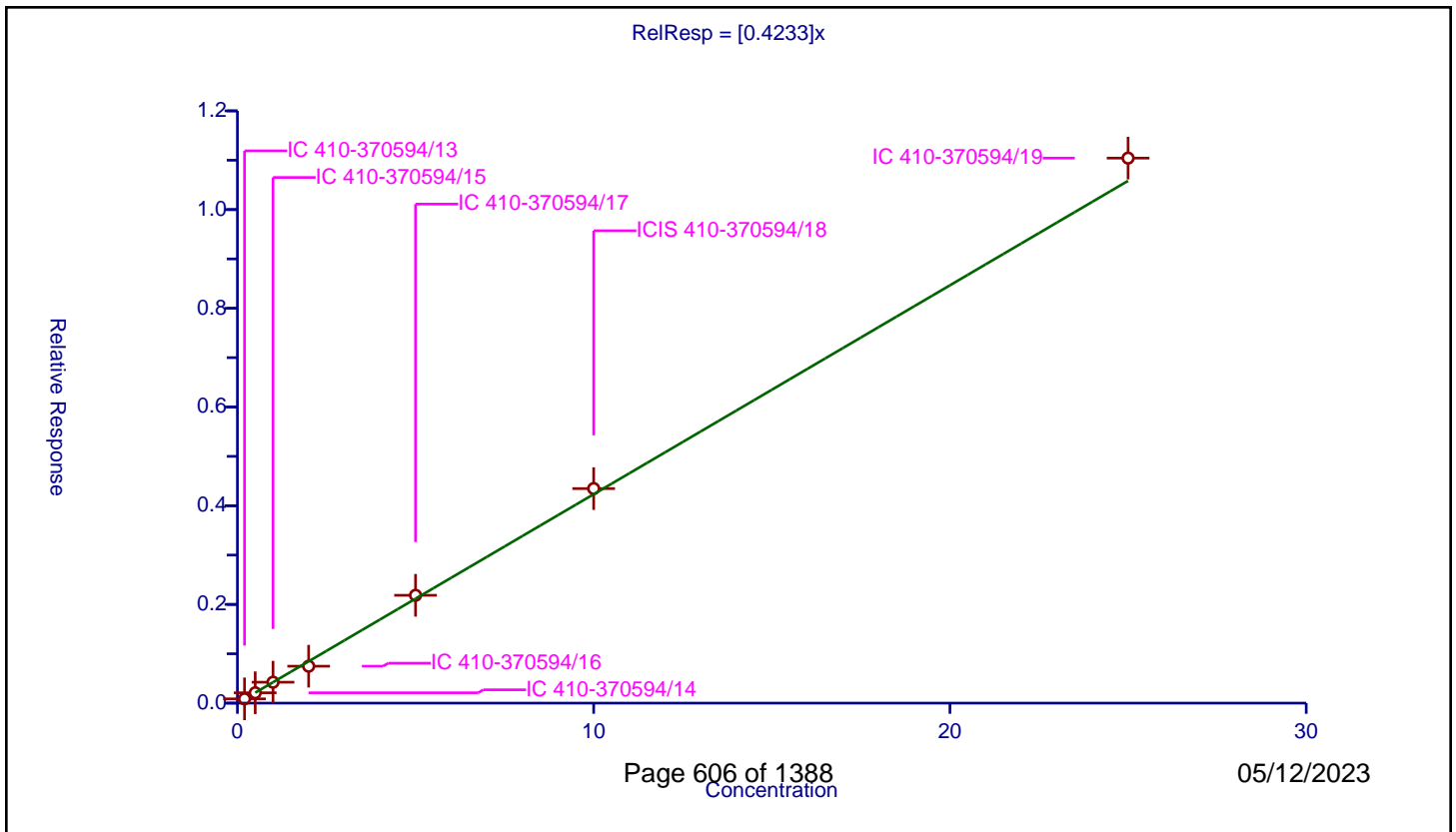
/ Dichlorobromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4233

Error Coefficients	
Standard Error:	994000
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 410-370594/13	0.2	0.086512	10.0	1960073.0	0.43256	Y
2	IC 410-370594/14	0.5	0.209556	10.0	1943779.0	0.419111	Y
3	IC 410-370594/15	1.0	0.423821	10.0	1958541.0	0.423821	Y
4	IC 410-370594/16	2.0	0.74841	10.0	1967571.0	0.374205	Y
5	IC 410-370594/17	5.0	2.184831	10.0	1980922.0	0.436966	Y
6	ICIS 410-370594/18	10.0	4.347073	10.0	1979051.0	0.434707	Y
7	IC 410-370594/19	25.0	11.043194	10.0	2018771.0	0.441728	Y



Calibration

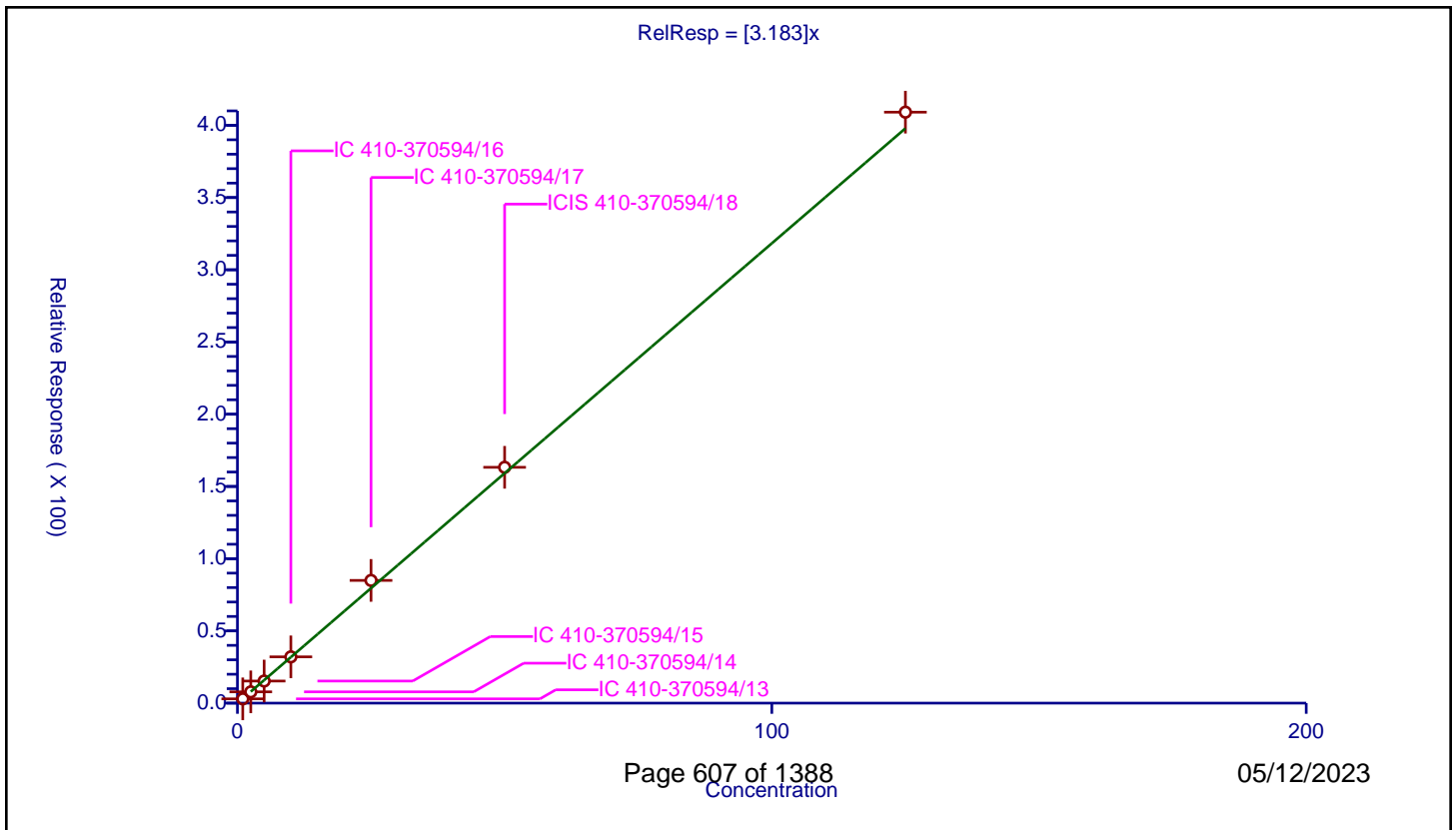
/ 2-Nitropropane

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

Curve Coefficients	
Intercept:	0
Slope:	3.183

Error Coefficients	
Standard Error:	601000
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 410-370594/13	1.0	2.959675	50.0	157568.0	2.959675	Y
2	IC 410-370594/14	2.5	7.807095	50.0	155237.0	3.122838	Y
3	IC 410-370594/15	5.0	15.303337	50.0	157531.0	3.060667	Y
4	IC 410-370594/16	10.0	32.027592	50.0	155263.0	3.202759	Y
5	IC 410-370594/17	25.0	84.944998	50.0	154995.0	3.3978	Y
6	ICIS 410-370594/18	50.0	163.258452	50.0	158563.0	3.265169	Y
7	IC 410-370594/19	125.0	409.120755	50.0	164937.0	3.272966	Y



Calibration

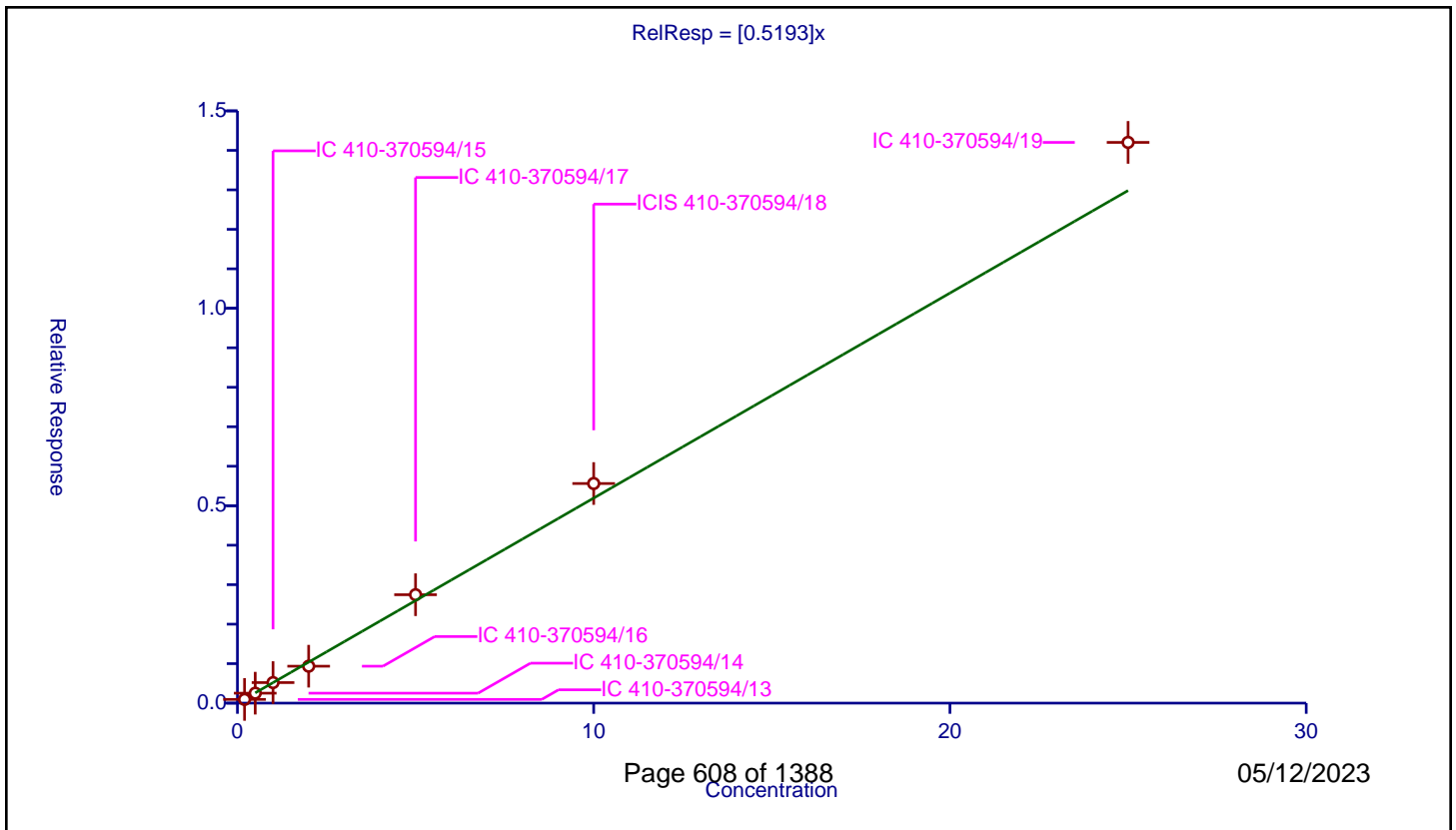
/ cis-1,3-Dichloropropene

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

Curve Coefficients	
Intercept:	0
Slope:	0.5193

Error Coefficients	
Standard Error:	1280000
Relative Standard Error:	7.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	0.09393	10.0	1960073.0	0.469651	Y
2	IC 410-370594/14	0.5	0.252133	10.0	1943779.0	0.504265	Y
3	IC 410-370594/15	1.0	0.520229	10.0	1958541.0	0.520229	Y
4	IC 410-370594/16	2.0	0.935133	10.0	1967571.0	0.467566	Y
5	IC 410-370594/17	5.0	2.745671	10.0	1980922.0	0.549134	Y
6	ICIS 410-370594/18	10.0	5.562302	10.0	1979051.0	0.55623	Y
7	IC 410-370594/19	25.0	14.201948	10.0	2018771.0	0.568078	Y



Calibration

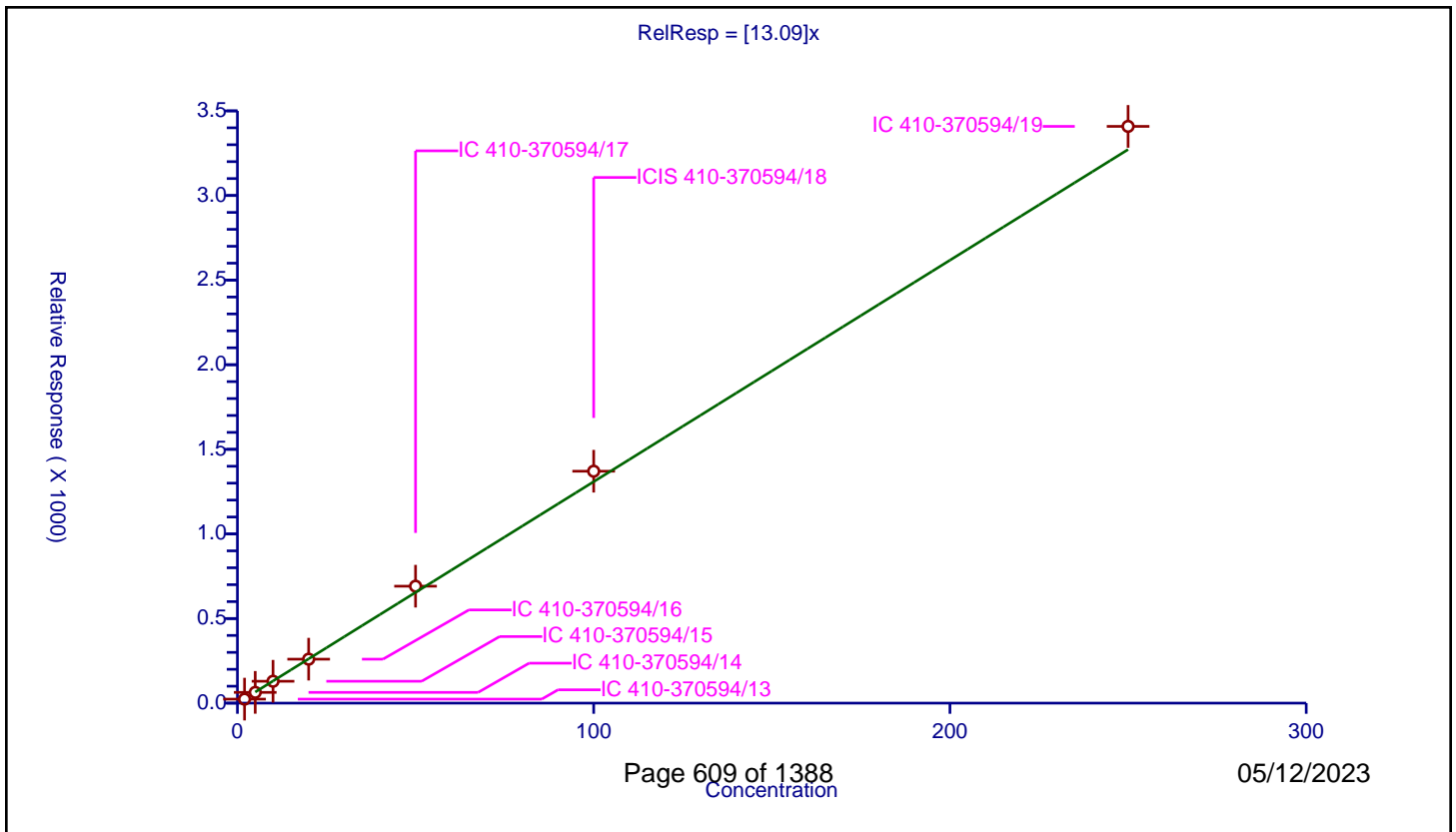
/ 4-Methyl-2-pentanone (MIBK)

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

Curve Coefficients	
Intercept:	0
Slope:	13.09

Error Coefficients	
Standard Error:	5010000
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 410-370594/13	2.0	23.619326	50.0	157568.0	11.809663	Y
2	IC 410-370594/14	5.0	63.587611	50.0	155237.0	12.717522	Y
3	IC 410-370594/15	10.0	129.36057	50.0	157531.0	12.936057	Y
4	IC 410-370594/16	20.0	259.728332	50.0	155263.0	12.986417	Y
5	IC 410-370594/17	50.0	690.990677	50.0	154995.0	13.819814	Y
6	ICIS 410-370594/18	100.0	1370.592131	50.0	158563.0	13.705921	Y
7	IC 410-370594/19	250.0	3408.349552	50.0	164937.0	13.633398	Y



Calibration

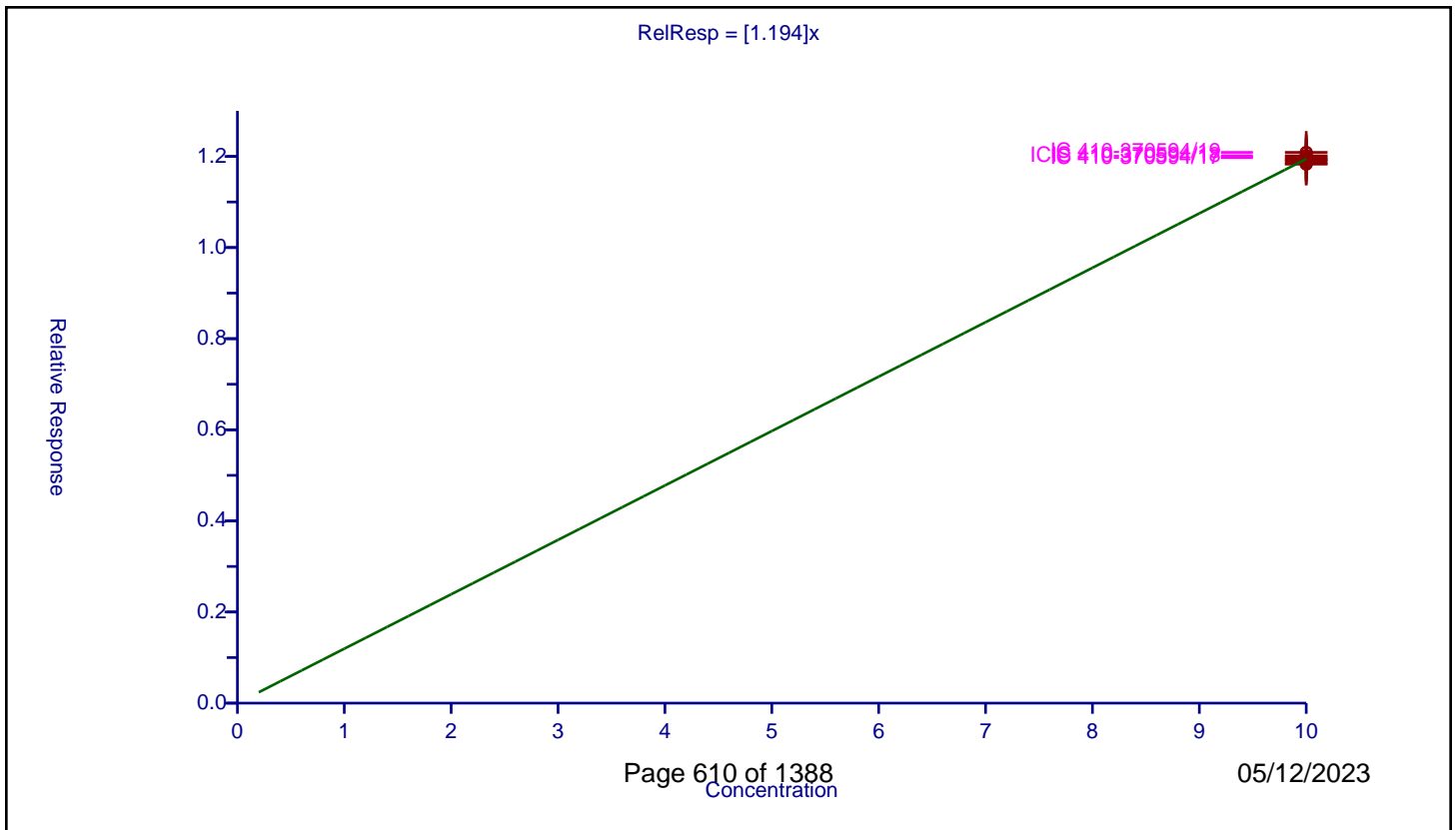
/ Toluene-d8 (Surr)

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

Curve Coefficients	
Intercept:	0
Slope:	1.194

Error Coefficients	
Standard Error:	2390000
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 410-370594/13	10.0	11.830522	10.0	1838678.0	1.183052	Y
2	IC 410-370594/14	10.0	11.911675	10.0	1823359.0	1.191168	Y
3	IC 410-370594/15	10.0	11.856422	10.0	1852391.0	1.185642	Y
4	IC 410-370594/16	10.0	11.930786	10.0	1834206.0	1.193079	Y
5	IC 410-370594/17	10.0	11.974576	10.0	1855538.0	1.197458	Y
6	ICIS 410-370594/18	10.0	12.014398	10.0	1853075.0	1.20144	Y
7	IC 410-370594/19	10.0	12.08937	10.0	1882414.0	1.208937	Y



Calibration

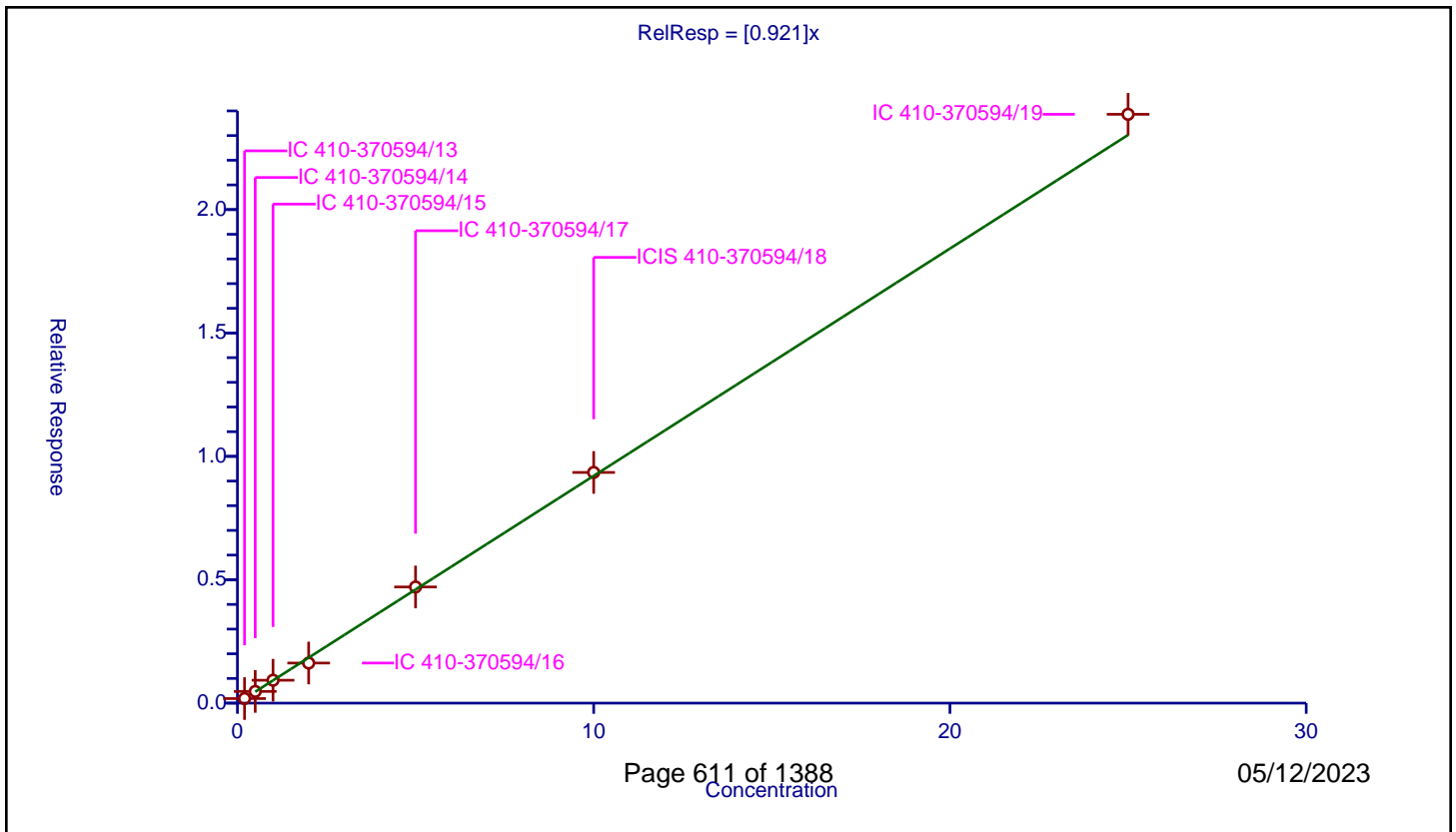
/ Toluene

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

Curve Coefficients	
Intercept:	0
Slope:	0.921

Error Coefficients	
Standard Error:	2000000
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 410-370594/13	0.2	0.185443	10.0	1838678.0	0.927215	Y
2	IC 410-370594/14	0.5	0.474333	10.0	1823359.0	0.948667	Y
3	IC 410-370594/15	1.0	0.927634	10.0	1852391.0	0.927634	Y
4	IC 410-370594/16	2.0	1.62521	10.0	1834206.0	0.812605	Y
5	IC 410-370594/17	5.0	4.707594	10.0	1855538.0	0.941519	Y
6	ICIS 410-370594/18	10.0	9.348035	10.0	1853075.0	0.934804	Y
7	IC 410-370594/19	25.0	23.86168	10.0	1882414.0	0.954467	Y



Calibration

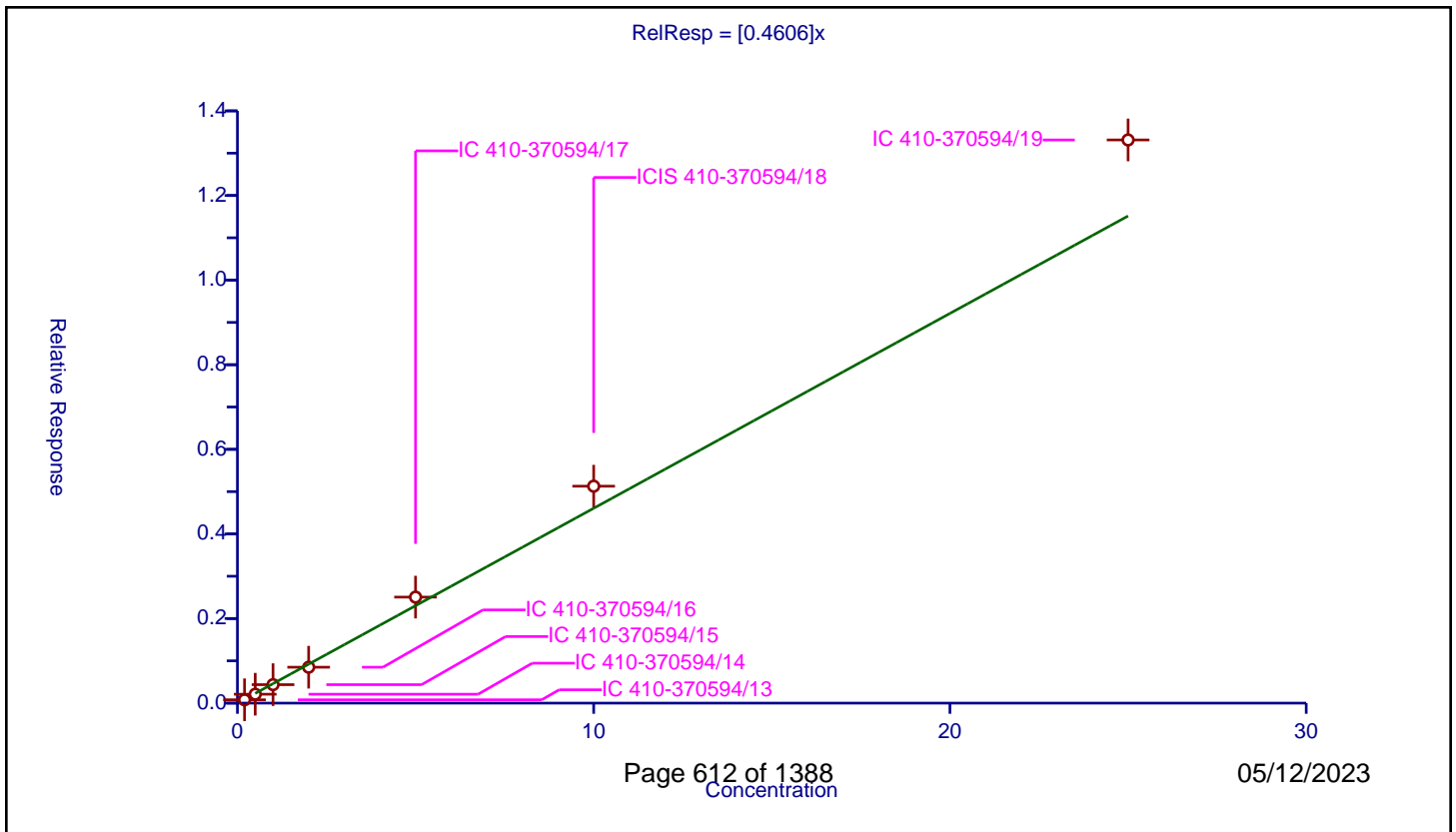
/ trans-1,3-Dichloropropene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4606

Error Coefficients	
Standard Error:	1110000
Relative Standard Error:	11.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	0.079111	10.0	1838678.0	0.395556	Y
2	IC 410-370594/14	0.5	0.210606	10.0	1823359.0	0.421212	Y
3	IC 410-370594/15	1.0	0.436636	10.0	1852391.0	0.436636	Y
4	IC 410-370594/16	2.0	0.848694	10.0	1834206.0	0.424347	Y
5	IC 410-370594/17	5.0	2.505861	10.0	1855538.0	0.501172	Y
6	ICIS 410-370594/18	10.0	5.128605	10.0	1853075.0	0.512861	Y
7	IC 410-370594/19	25.0	13.312858	10.0	1882414.0	0.532514	Y



Calibration

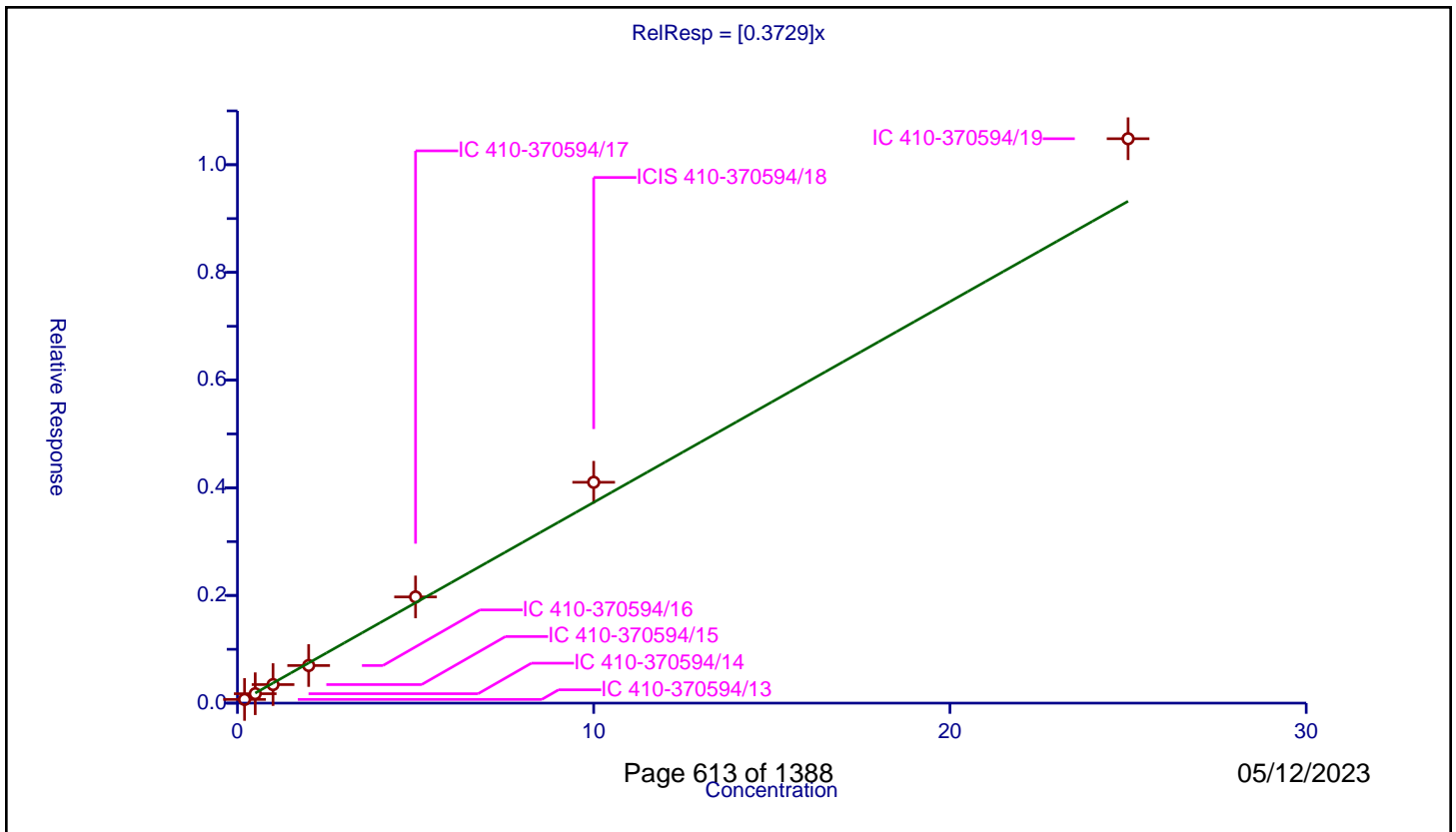
/ Ethyl methacrylate

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

Curve Coefficients	
Intercept:	0
Slope:	0.3729

Error Coefficients	
Standard Error:	878000
Relative Standard Error:	9.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	0.068446	10.0	1838678.0	0.34223	Y
2	IC 410-370594/14	0.5	0.175105	10.0	1823359.0	0.350211	Y
3	IC 410-370594/15	1.0	0.344387	10.0	1852391.0	0.344387	Y
4	IC 410-370594/16	2.0	0.698384	10.0	1834206.0	0.349192	Y
5	IC 410-370594/17	5.0	1.97277	10.0	1855538.0	0.394554	Y
6	ICIS 410-370594/18	10.0	4.102343	10.0	1853075.0	0.410234	Y
7	IC 410-370594/19	25.0	10.483135	10.0	1882414.0	0.419325	Y



Calibration

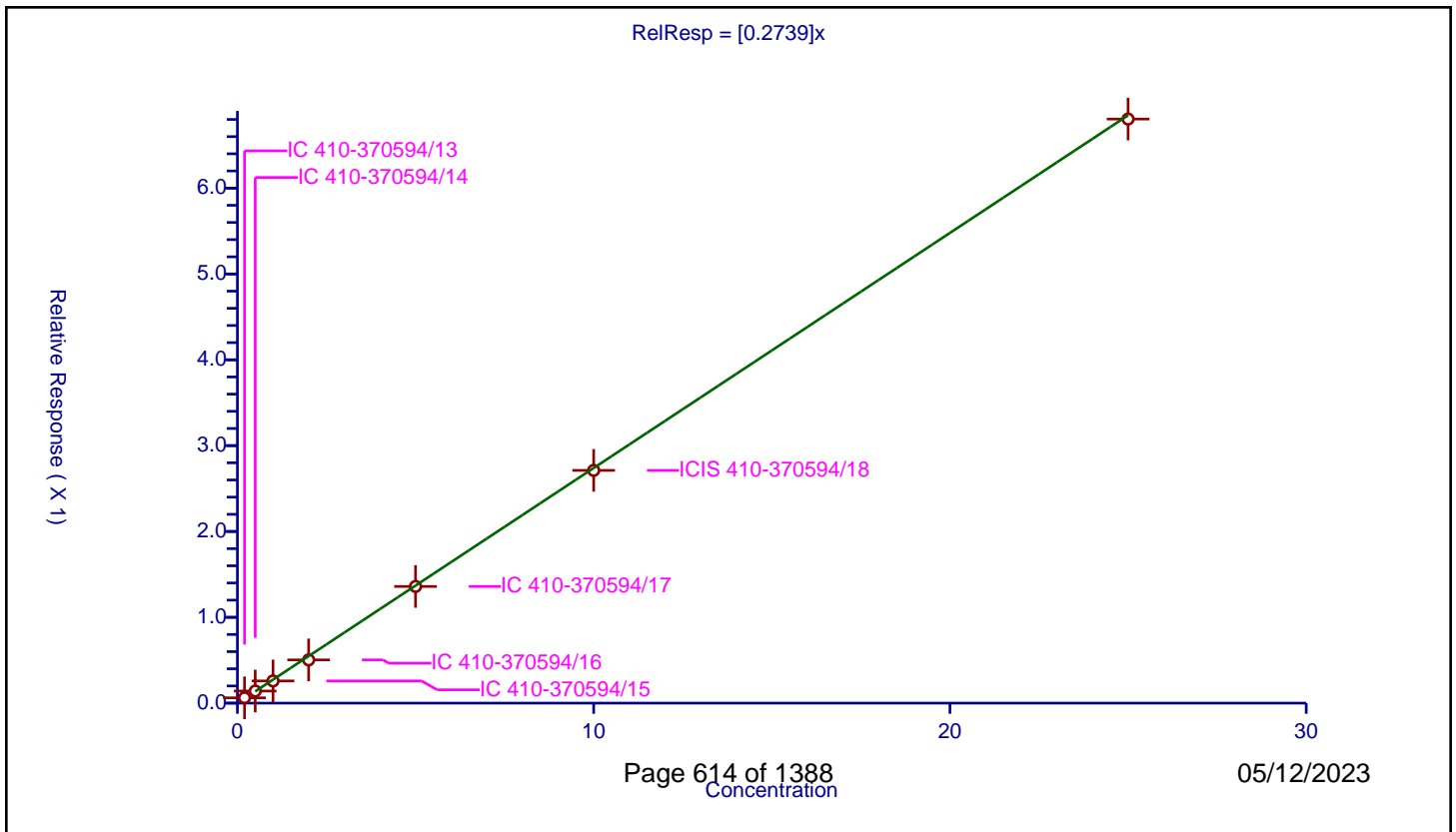
/ 1,1,2-Trichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2739

Error Coefficients	
Standard Error:	573000
Relative Standard Error:	6.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	0.06199	10.0	1838678.0	0.309951	Y
2	IC 410-370594/14	0.5	0.140877	10.0	1823359.0	0.281755	Y
3	IC 410-370594/15	1.0	0.258596	10.0	1852391.0	0.258596	Y
4	IC 410-370594/16	2.0	0.503842	10.0	1834206.0	0.251921	Y
5	IC 410-370594/17	5.0	1.359363	10.0	1855538.0	0.271873	Y
6	ICIS 410-370594/18	10.0	2.711412	10.0	1853075.0	0.271141	Y
7	IC 410-370594/19	25.0	6.804656	10.0	1882414.0	0.272186	Y



Calibration

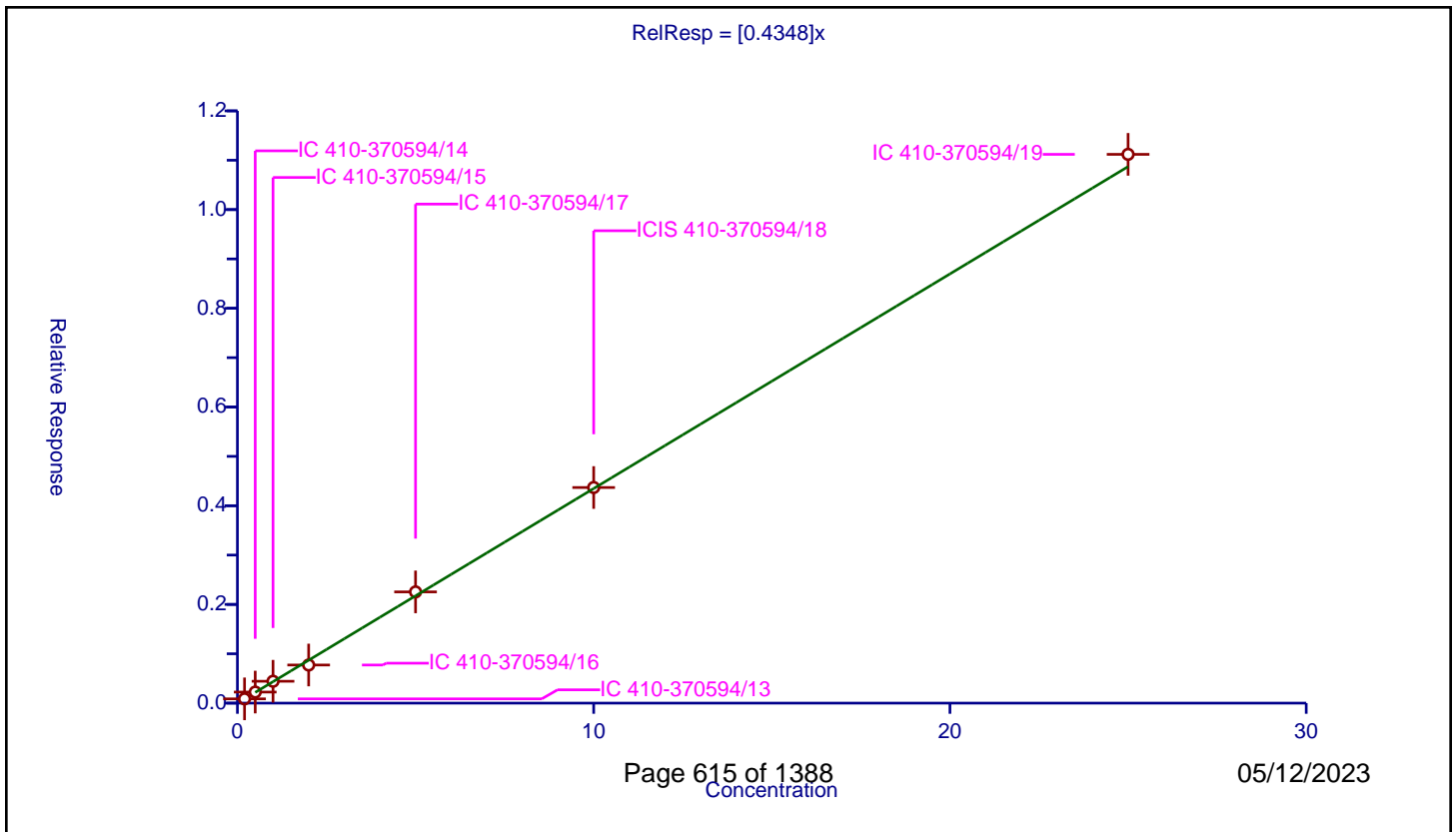
/ Tetrachloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4348

Error Coefficients	
Standard Error:	935000
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 410-370594/13	0.2	0.08666	10.0	1838678.0	0.4333	Y
2	IC 410-370594/14	0.5	0.224306	10.0	1823359.0	0.448612	Y
3	IC 410-370594/15	1.0	0.443276	10.0	1852391.0	0.443276	Y
4	IC 410-370594/16	2.0	0.772629	10.0	1834206.0	0.386314	Y
5	IC 410-370594/17	5.0	2.253648	10.0	1855538.0	0.45073	Y
6	ICIS 410-370594/18	10.0	4.368593	10.0	1853075.0	0.436859	Y
7	IC 410-370594/19	25.0	11.119238	10.0	1882414.0	0.44477	Y



Calibration

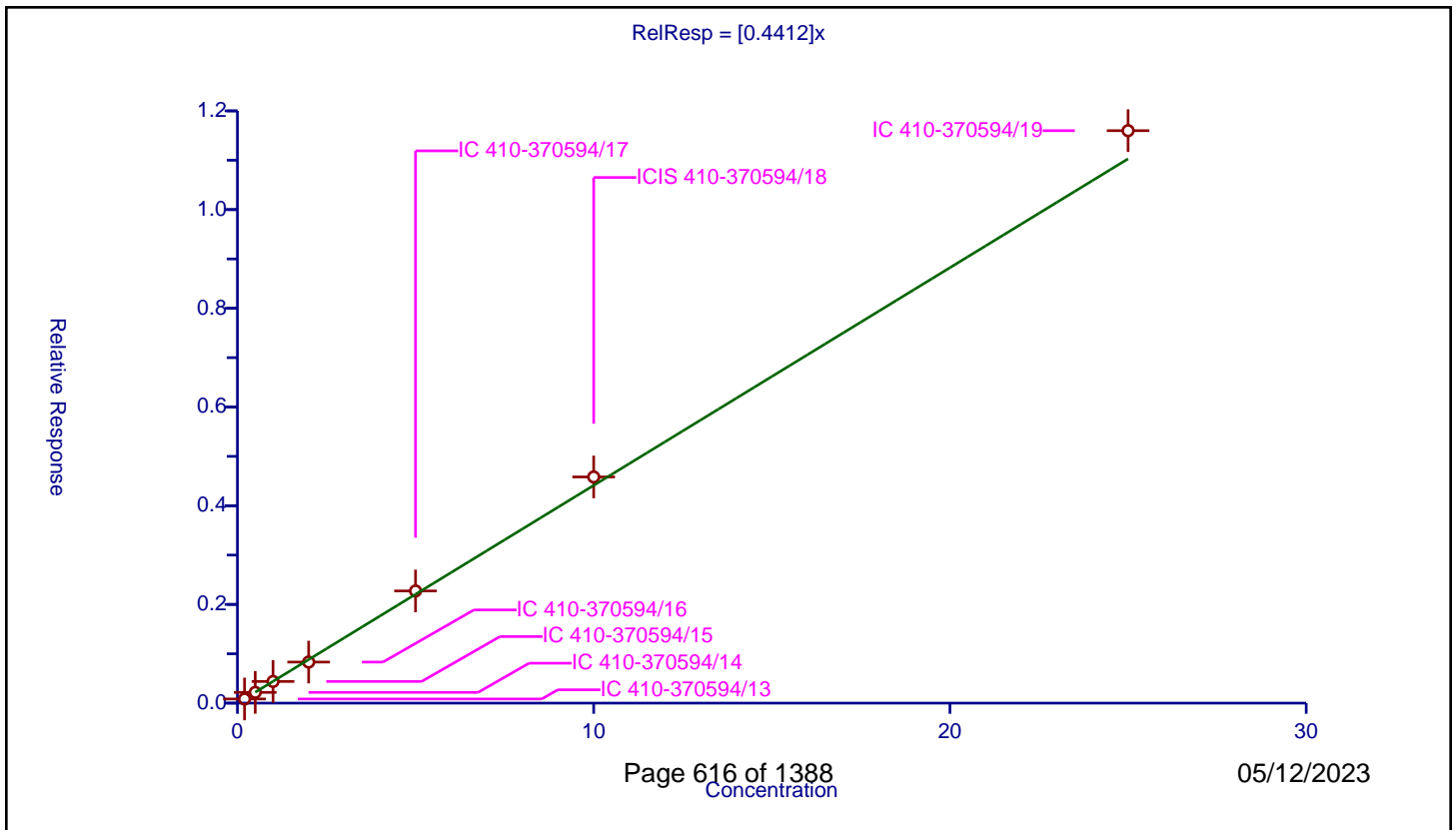
/ 1,3-Dichloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4412

Error Coefficients	
Standard Error:	975000
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 410-370594/13	0.2	0.084071	10.0	1838678.0	0.420356	Y
2	IC 410-370594/14	0.5	0.217829	10.0	1823359.0	0.435657	Y
3	IC 410-370594/15	1.0	0.43927	10.0	1852391.0	0.43927	Y
4	IC 410-370594/16	2.0	0.831913	10.0	1834206.0	0.415957	Y
5	IC 410-370594/17	5.0	2.272926	10.0	1855538.0	0.454585	Y
6	ICIS 410-370594/18	10.0	4.582853	10.0	1853075.0	0.458285	Y
7	IC 410-370594/19	25.0	11.599	10.0	1882414.0	0.46396	Y



Calibration

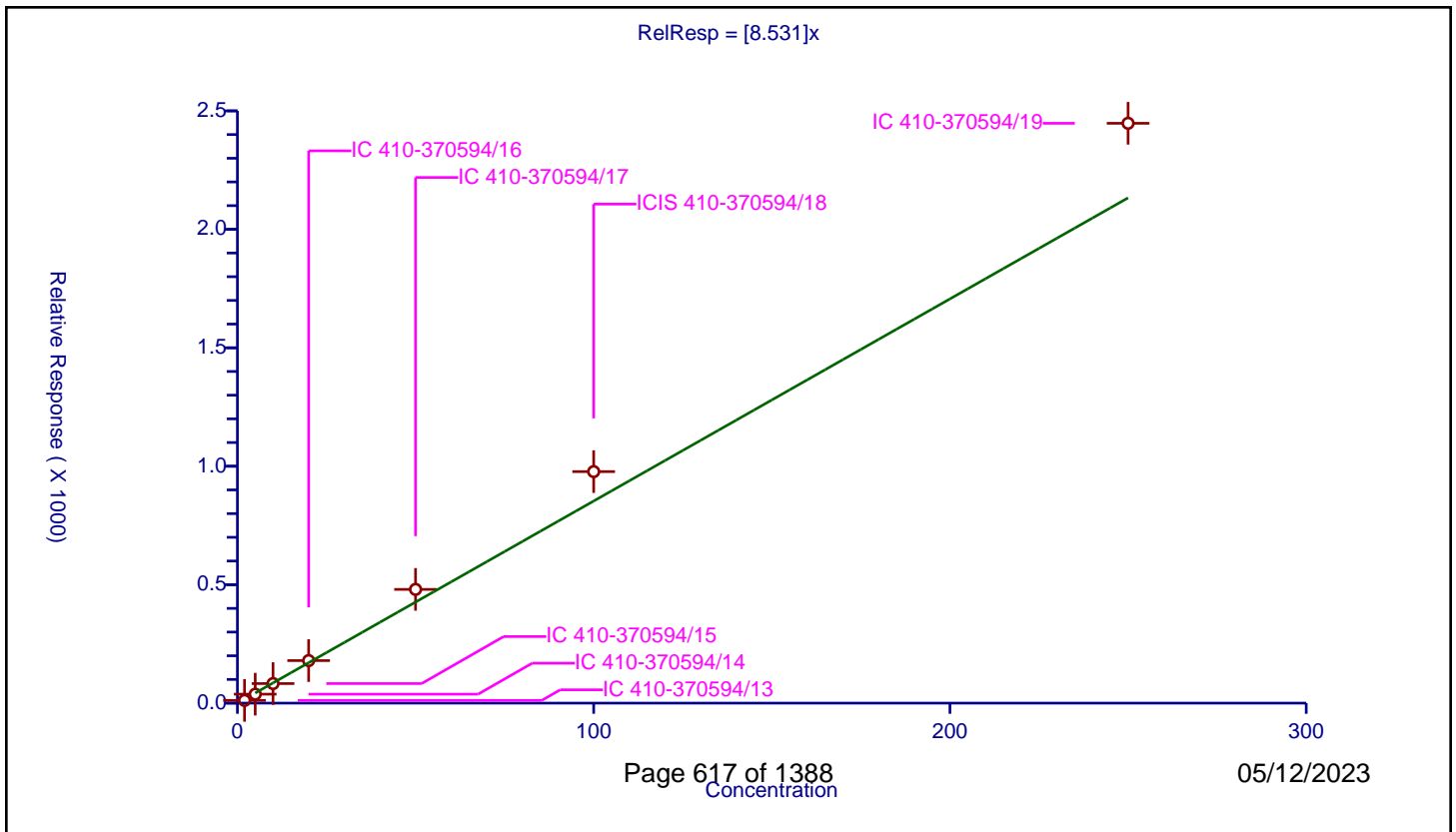
/ 2-Hexanone

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

Curve Coefficients	
Intercept:	0
Slope:	8.531

Error Coefficients	
Standard Error:	3590000
Relative Standard Error:	17.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	2.0	11.500432	50.0	157568.0	5.750216	Y
2	IC 410-370594/14	5.0	37.824745	50.0	155237.0	7.564949	Y
3	IC 410-370594/15	10.0	82.605646	50.0	157531.0	8.260565	Y
4	IC 410-370594/16	20.0	179.573691	50.0	155263.0	8.978685	Y
5	IC 410-370594/17	50.0	480.113875	50.0	154995.0	9.602277	Y
6	ICIS 410-370594/18	100.0	977.299559	50.0	158563.0	9.772996	Y
7	IC 410-370594/19	250.0	2447.654862	50.0	164937.0	9.790619	Y



Calibration

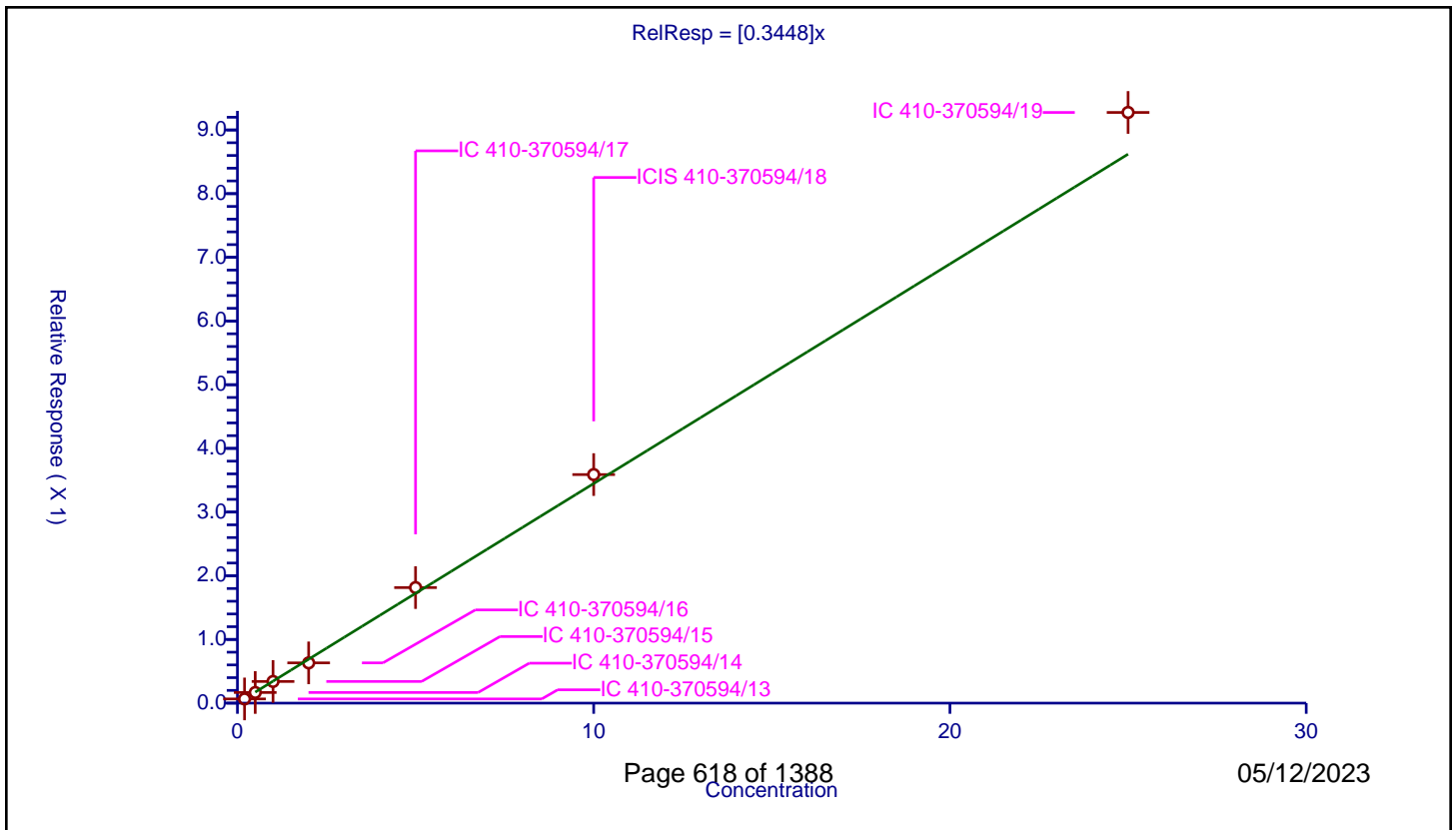
/ Chlorodibromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3448

Error Coefficients	
Standard Error:	777000
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 410-370594/13	0.2	0.065977	10.0	1838678.0	0.329884	Y
2	IC 410-370594/14	0.5	0.167274	10.0	1823359.0	0.334547	Y
3	IC 410-370594/15	1.0	0.34036	10.0	1852391.0	0.34036	Y
4	IC 410-370594/16	2.0	0.632246	10.0	1834206.0	0.316123	Y
5	IC 410-370594/17	5.0	1.814697	10.0	1855538.0	0.362939	Y
6	ICIS 410-370594/18	10.0	3.58904	10.0	1853075.0	0.358904	Y
7	IC 410-370594/19	25.0	9.275266	10.0	1882414.0	0.371011	Y



Calibration

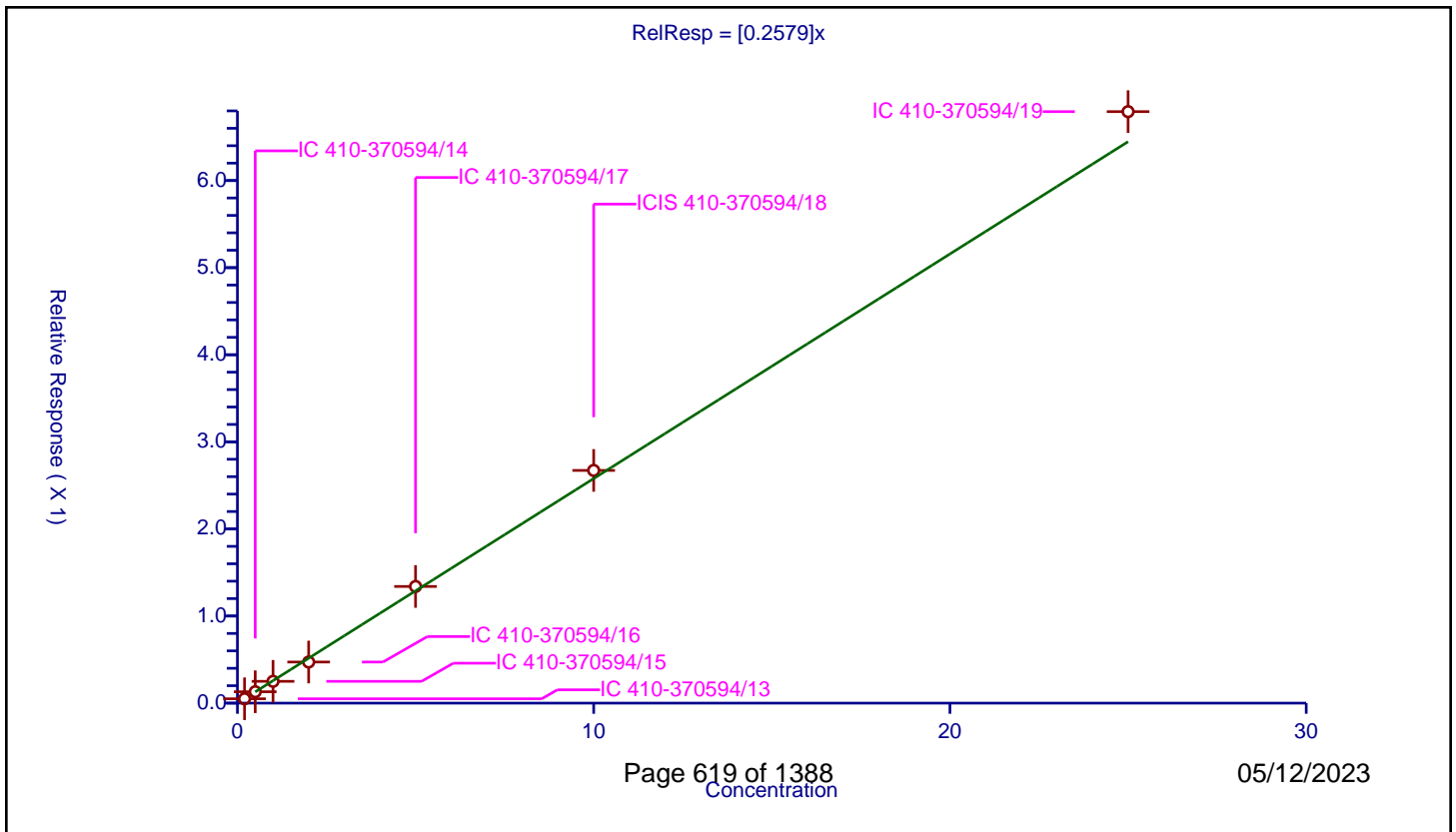
/ Ethylene Dibromide

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

Curve Coefficients	
Intercept:	0
Slope:	0.2579

Error Coefficients	
Standard Error:	570000
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 410-370594/13	0.2	0.050118	10.0	1838678.0	0.250588	Y
2	IC 410-370594/14	0.5	0.130753	10.0	1823359.0	0.261506	Y
3	IC 410-370594/15	1.0	0.250196	10.0	1852391.0	0.250196	Y
4	IC 410-370594/16	2.0	0.472035	10.0	1834206.0	0.236018	Y
5	IC 410-370594/17	5.0	1.339509	10.0	1855538.0	0.267902	Y
6	ICIS 410-370594/18	10.0	2.671808	10.0	1853075.0	0.267181	Y
7	IC 410-370594/19	25.0	6.791577	10.0	1882414.0	0.271663	Y



Calibration

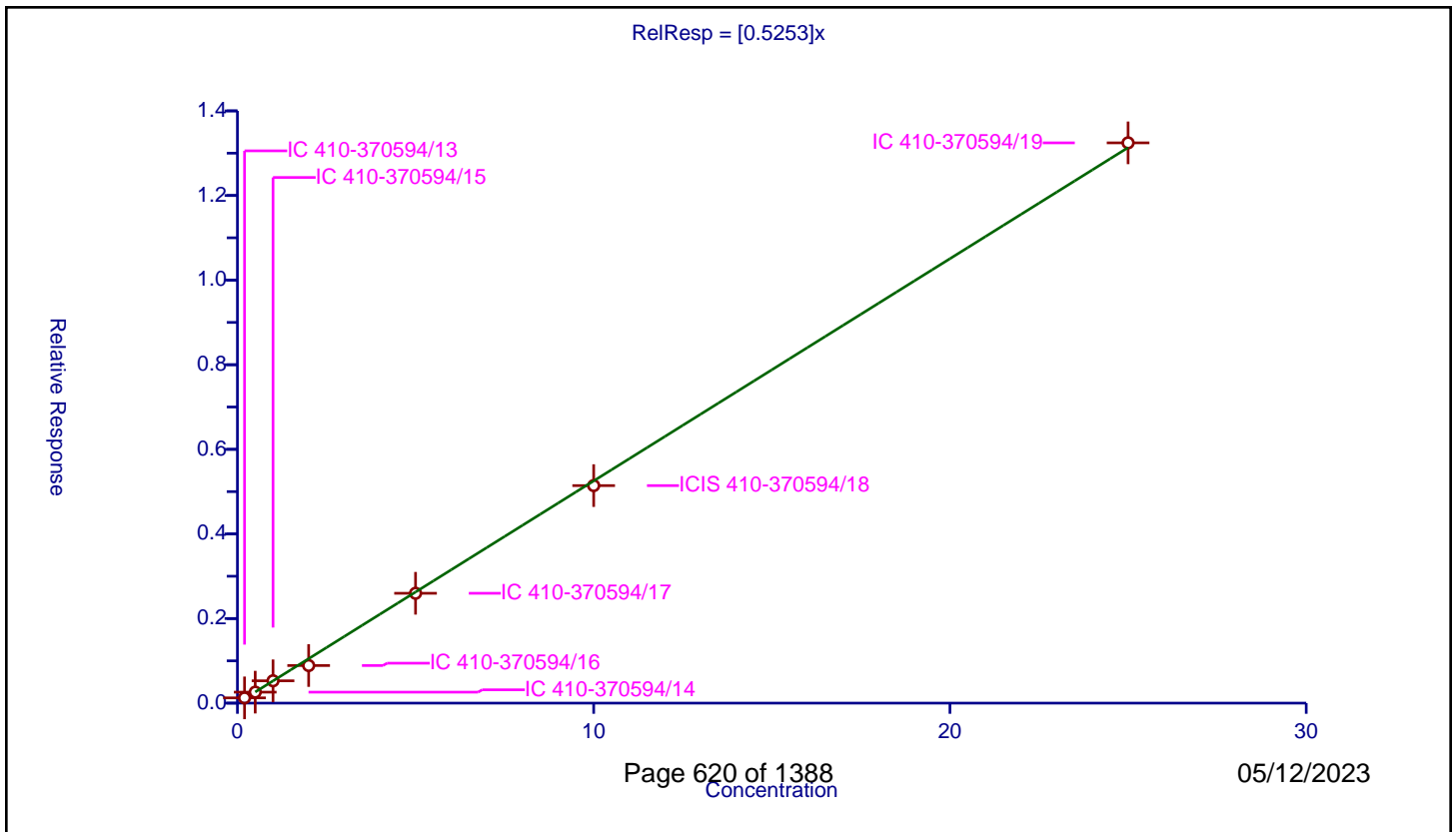
/ 1-Chlorohexane

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

Curve Coefficients	
Intercept:	0
Slope:	0.5253

Error Coefficients	
Standard Error:	1110000
Relative Standard Error:	9.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	0.12441	10.0	1838678.0	0.62205	Y
2	IC 410-370594/14	0.5	0.259806	10.0	1823359.0	0.519612	Y
3	IC 410-370594/15	1.0	0.527869	10.0	1852391.0	0.527869	Y
4	IC 410-370594/16	2.0	0.888384	10.0	1834206.0	0.444192	Y
5	IC 410-370594/17	5.0	2.596675	10.0	1855538.0	0.519335	Y
6	ICIS 410-370594/18	10.0	5.142015	10.0	1853075.0	0.514202	Y
7	IC 410-370594/19	25.0	13.24444	10.0	1882414.0	0.529778	Y



Calibration

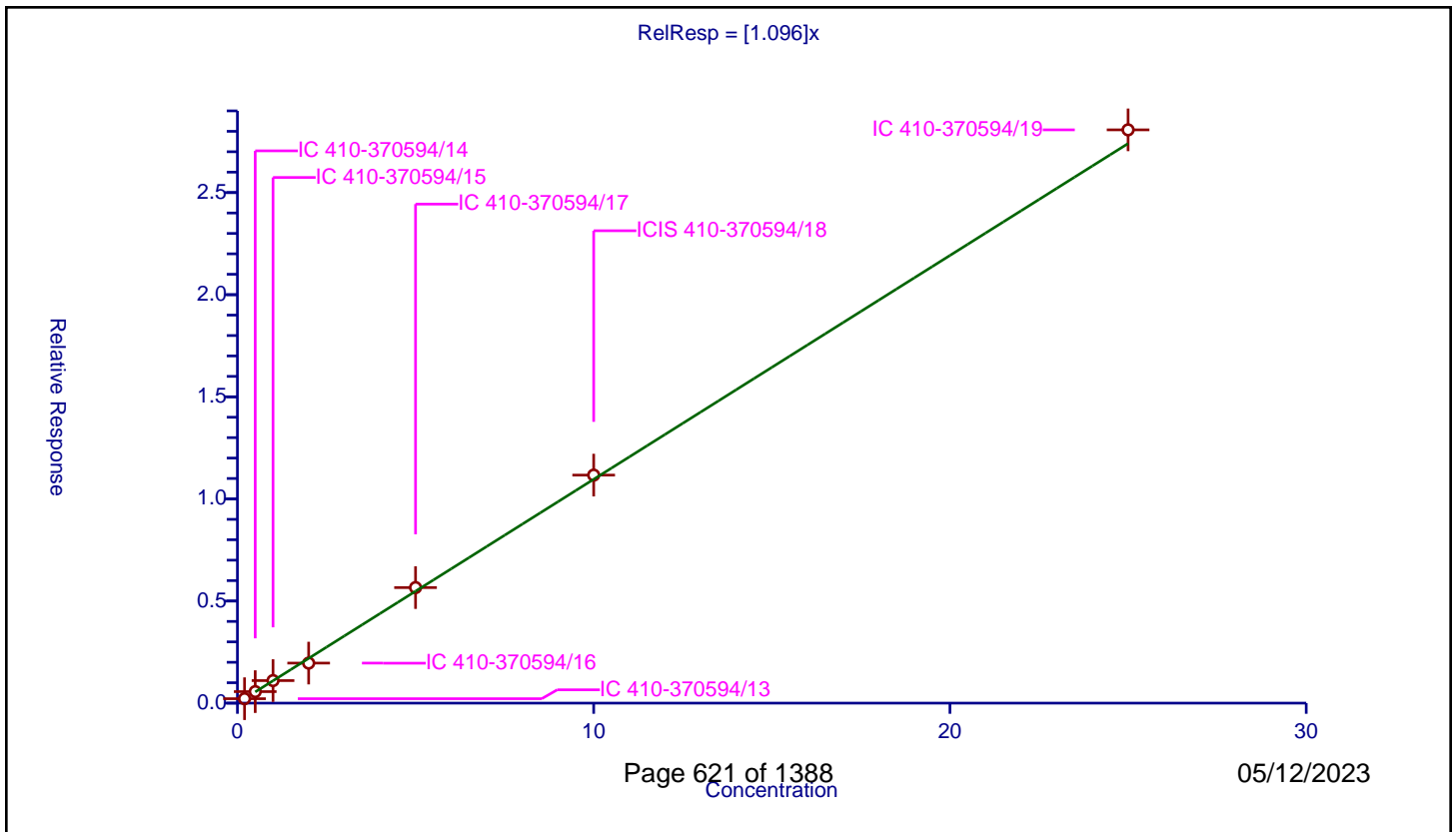
/ Chlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.096

Error Coefficients	
Standard Error:	2360000
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 410-370594/13	0.2	0.217694	10.0	1838678.0	1.088472	Y
2	IC 410-370594/14	0.5	0.564568	10.0	1823359.0	1.129136	Y
3	IC 410-370594/15	1.0	1.103757	10.0	1852391.0	1.103757	Y
4	IC 410-370594/16	2.0	1.960216	10.0	1834206.0	0.980108	Y
5	IC 410-370594/17	5.0	5.658041	10.0	1855538.0	1.131608	Y
6	ICIS 410-370594/18	10.0	11.165398	10.0	1853075.0	1.11654	Y
7	IC 410-370594/19	25.0	28.070844	10.0	1882414.0	1.122834	Y



Calibration

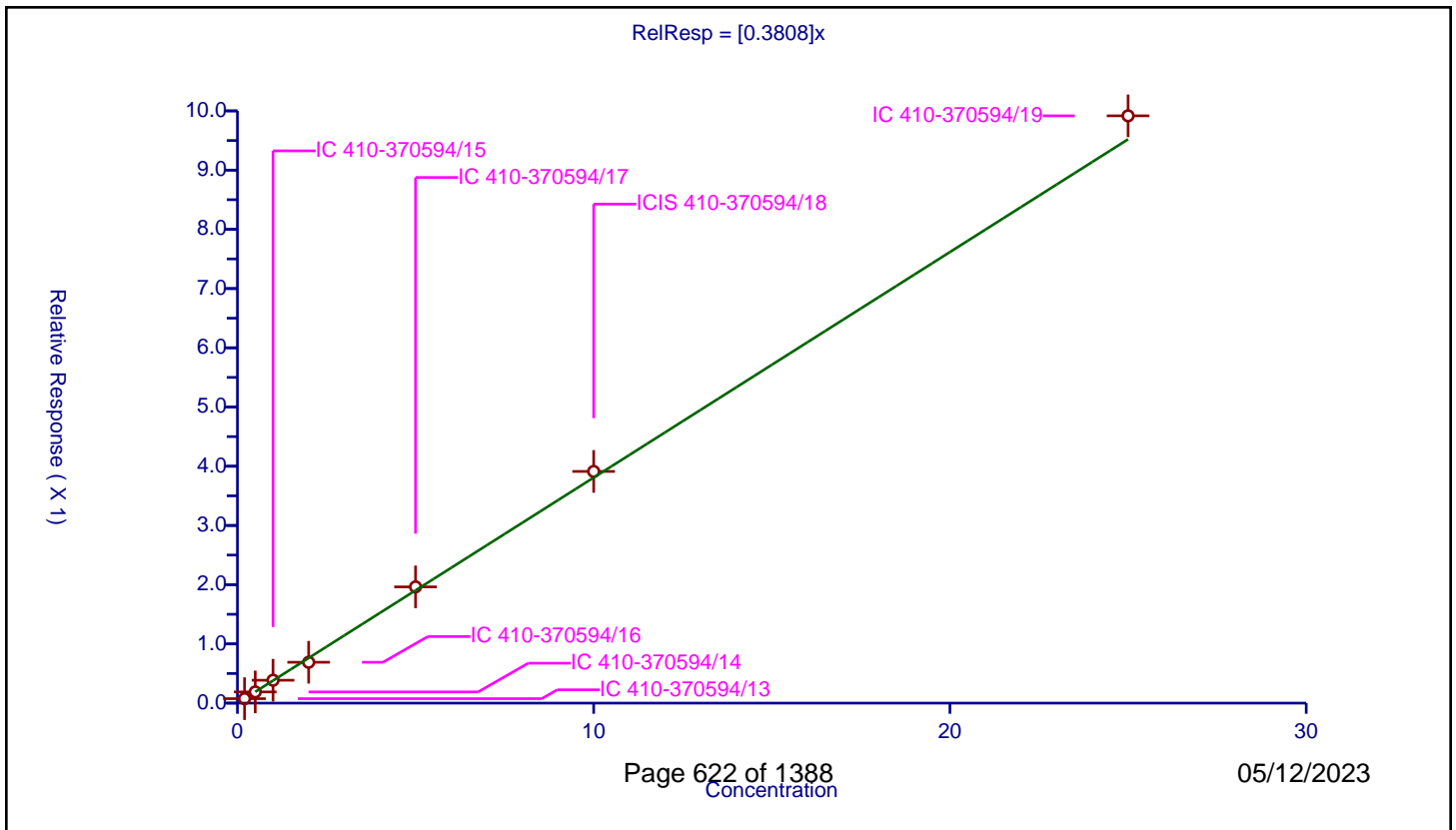
/ 1,1,1,2-Tetrachloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3808

Error Coefficients	
Standard Error:	833000
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 410-370594/13	0.2	0.075141	10.0	1838678.0	0.375705	Y
2	IC 410-370594/14	0.5	0.189058	10.0	1823359.0	0.378115	Y
3	IC 410-370594/15	1.0	0.386484	10.0	1852391.0	0.386484	Y
4	IC 410-370594/16	2.0	0.689906	10.0	1834206.0	0.344953	Y
5	IC 410-370594/17	5.0	1.962838	10.0	1855538.0	0.392568	Y
6	ICIS 410-370594/18	10.0	3.912157	10.0	1853075.0	0.391216	Y
7	IC 410-370594/19	25.0	9.916958	10.0	1882414.0	0.396678	Y



Calibration

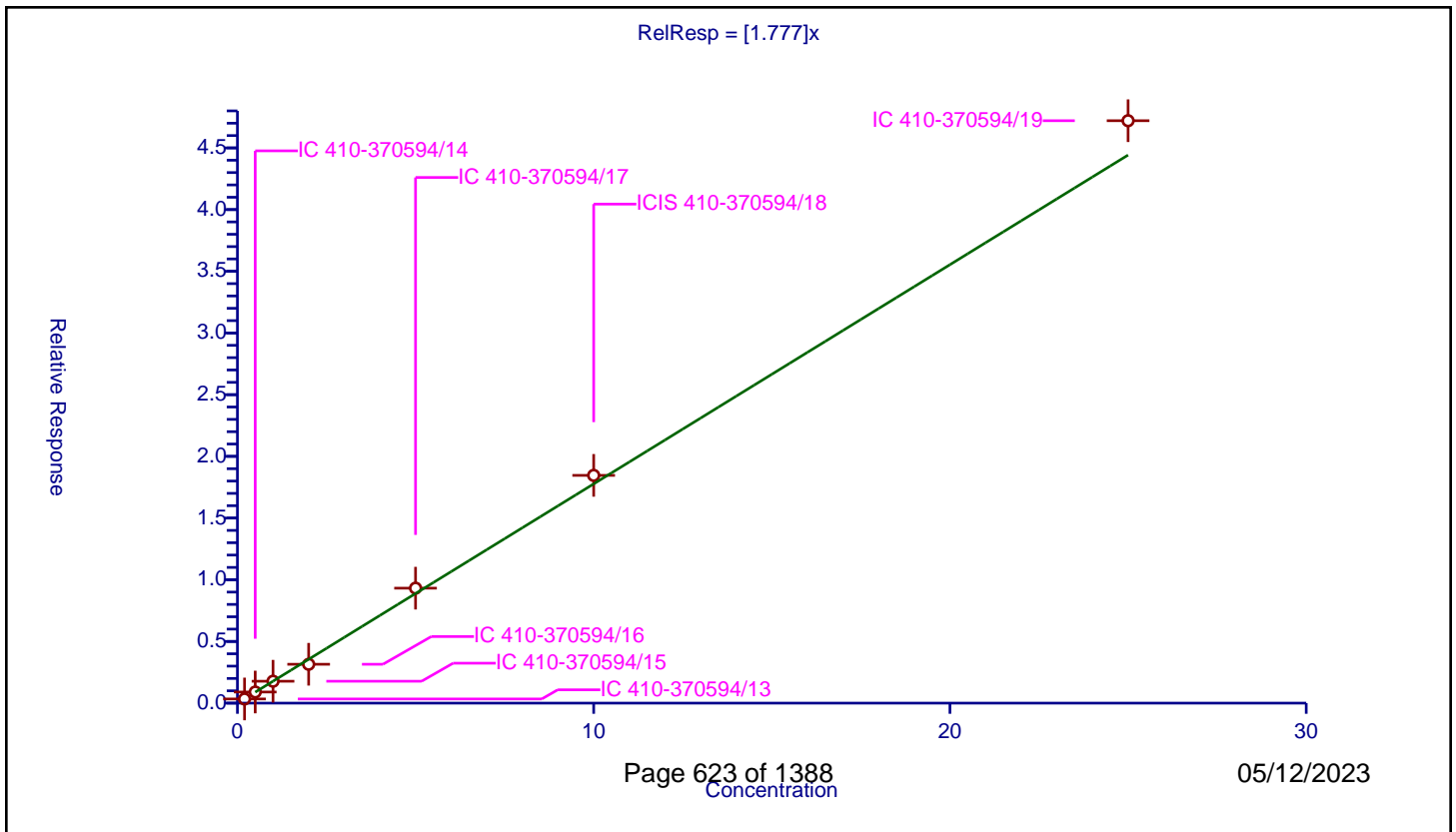
/ Ethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.777

Error Coefficients	
Standard Error:	3960000
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 410-370594/13	0.2	0.33758	10.0	1838678.0	1.687898	Y
2	IC 410-370594/14	0.5	0.901221	10.0	1823359.0	1.802443	Y
3	IC 410-370594/15	1.0	1.774938	10.0	1852391.0	1.774938	Y
4	IC 410-370594/16	2.0	3.150284	10.0	1834206.0	1.575142	Y
5	IC 410-370594/17	5.0	9.318079	10.0	1855538.0	1.863616	Y
6	ICIS 410-370594/18	10.0	18.458373	10.0	1853075.0	1.845837	Y
7	IC 410-370594/19	25.0	47.202714	10.0	1882414.0	1.888109	Y



Calibration

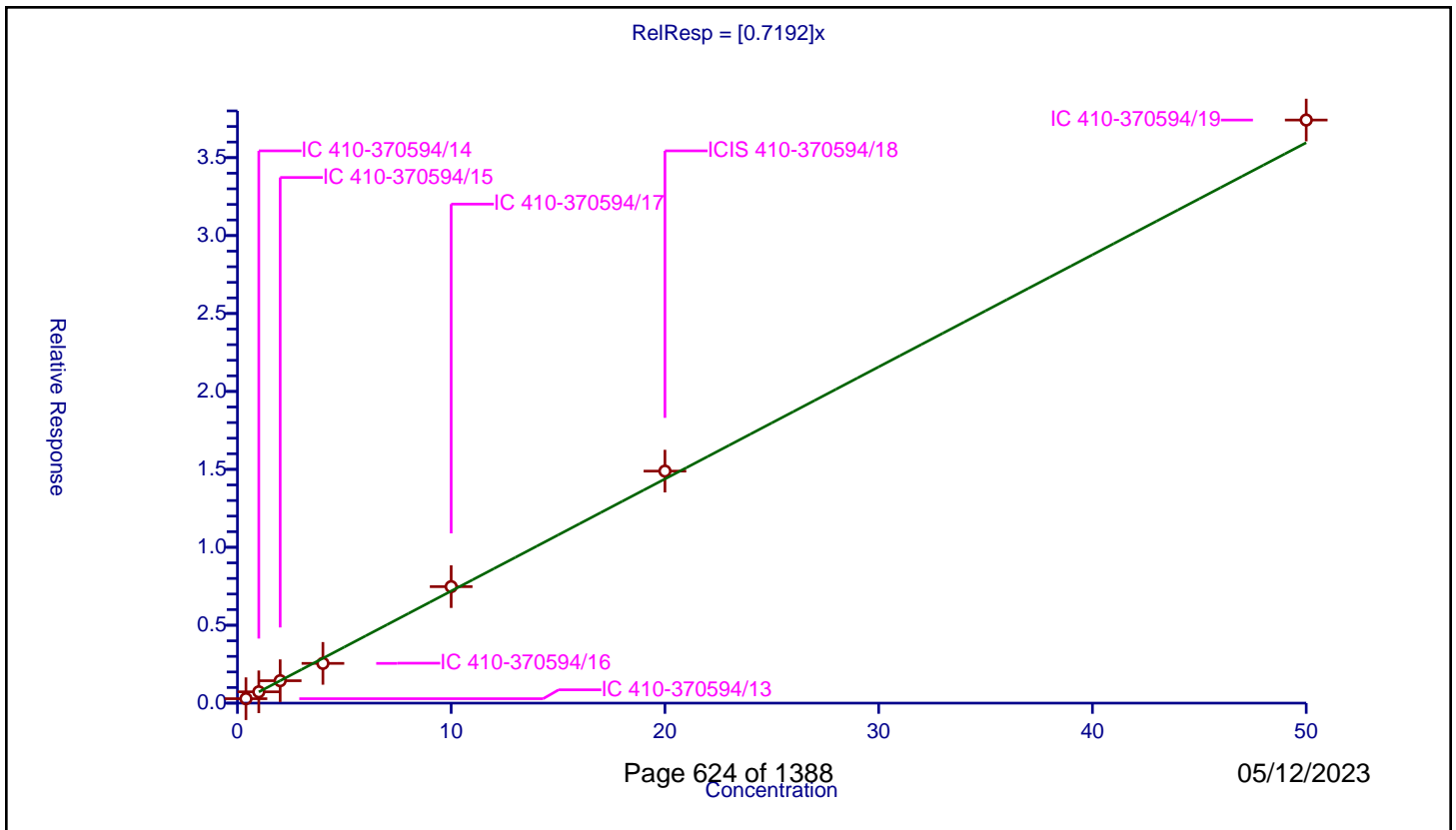
/ m-Xylene & p-Xylene

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

Curve Coefficients	
Intercept:	0
Slope:	0.7192

Error Coefficients	
Standard Error:	3150000
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 410-370594/13	0.4	0.28477	10.0	1838678.0	0.711925	Y
2	IC 410-370594/14	1.0	0.725282	10.0	1823359.0	0.725282	Y
3	IC 410-370594/15	2.0	1.438438	10.0	1852391.0	0.719219	Y
4	IC 410-370594/16	4.0	2.551191	10.0	1834206.0	0.637798	Y
5	IC 410-370594/17	10.0	7.473795	10.0	1855538.0	0.747379	Y
6	ICIS 410-370594/18	20.0	14.887913	10.0	1853075.0	0.744396	Y
7	IC 410-370594/19	50.0	37.41304	10.0	1882414.0	0.748261	Y



Calibration

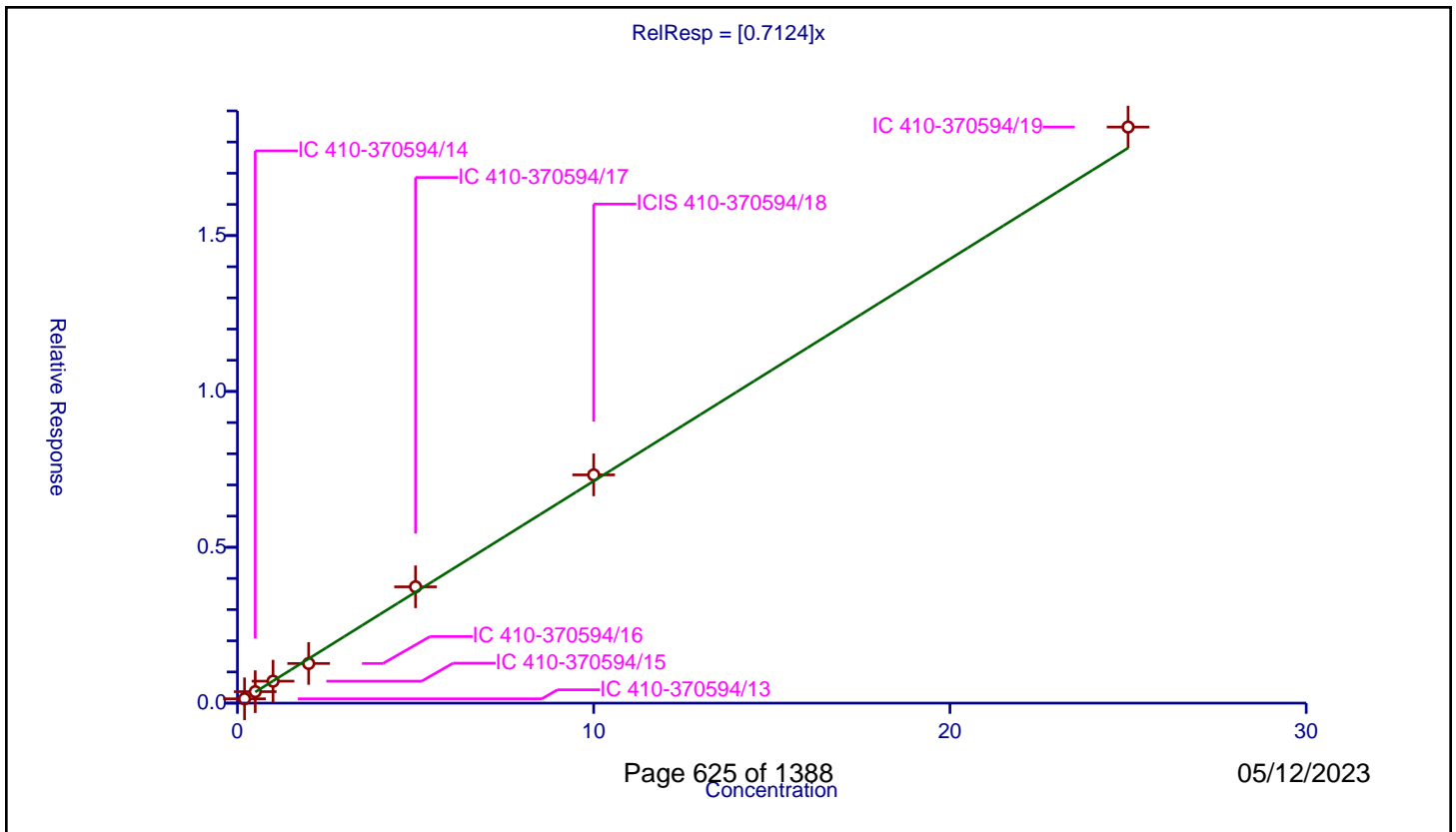
/ o-Xylene

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

Curve Coefficients	
Intercept:	0
Slope:	0.7124

Error Coefficients	
Standard Error:	1550000
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 410-370594/13	0.2	0.138692	10.0	1838678.0	0.69346	Y
2	IC 410-370594/14	0.5	0.367443	10.0	1823359.0	0.734885	Y
3	IC 410-370594/15	1.0	0.704905	10.0	1852391.0	0.704905	Y
4	IC 410-370594/16	2.0	1.271482	10.0	1834206.0	0.635741	Y
5	IC 410-370594/17	5.0	3.731387	10.0	1855538.0	0.746277	Y
6	ICIS 410-370594/18	10.0	7.322774	10.0	1853075.0	0.732277	Y
7	IC 410-370594/19	25.0	18.481073	10.0	1882414.0	0.739243	Y



Calibration

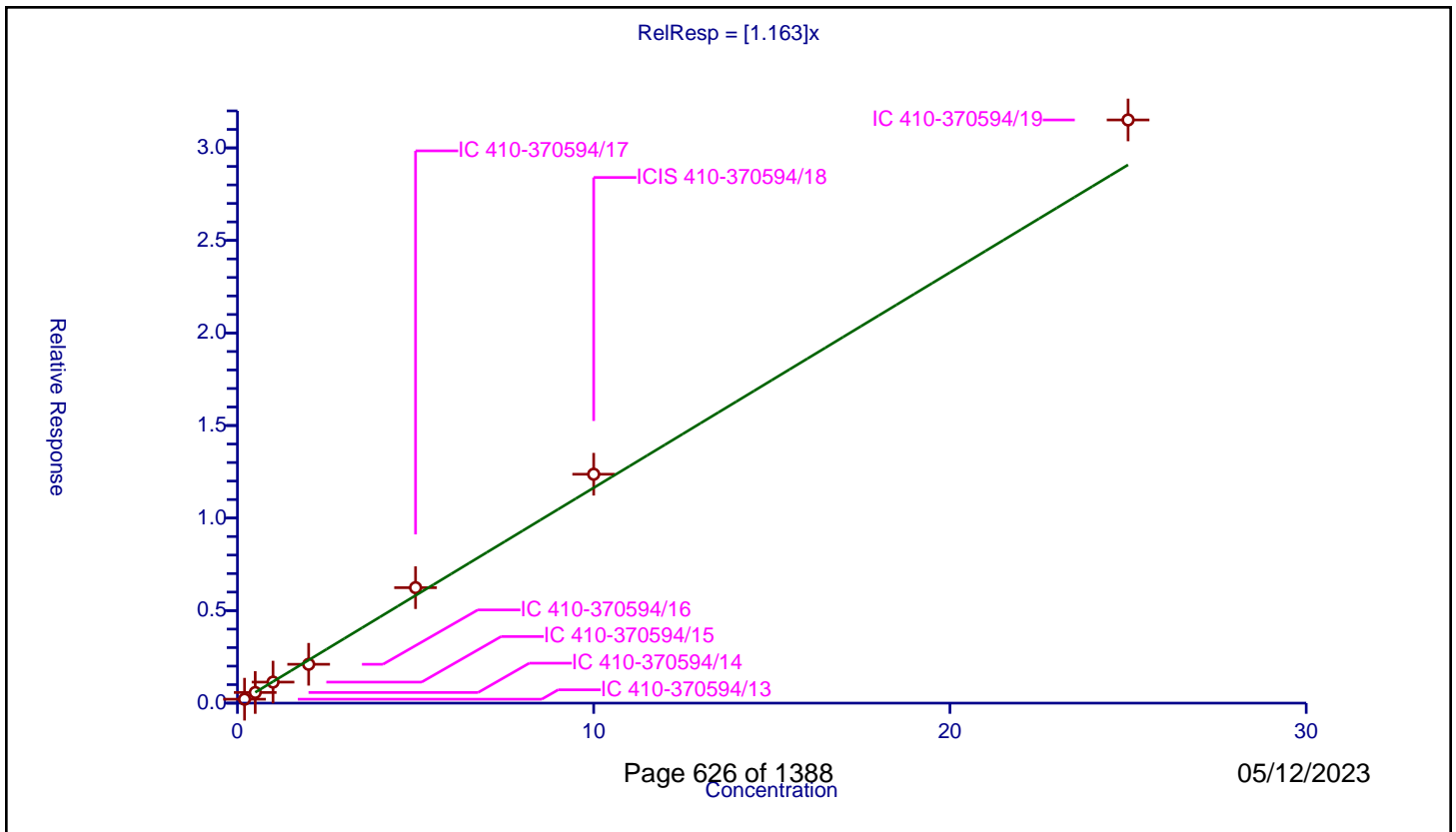
/ Styrene

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

Curve Coefficients	
Intercept:	0
Slope:	1.163

Error Coefficients	
Standard Error:	2650000
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 410-370594/13	0.2	0.212413	10.0	1838678.0	1.062067	Y
2	IC 410-370594/14	0.5	0.575487	10.0	1823359.0	1.150975	Y
3	IC 410-370594/15	1.0	1.136385	10.0	1852391.0	1.136385	Y
4	IC 410-370594/16	2.0	2.09941	10.0	1834206.0	1.049705	Y
5	IC 410-370594/17	5.0	6.238945	10.0	1855538.0	1.247789	Y
6	ICIS 410-370594/18	10.0	12.368447	10.0	1853075.0	1.236845	Y
7	IC 410-370594/19	25.0	31.51098	10.0	1882414.0	1.260439	Y



Calibration

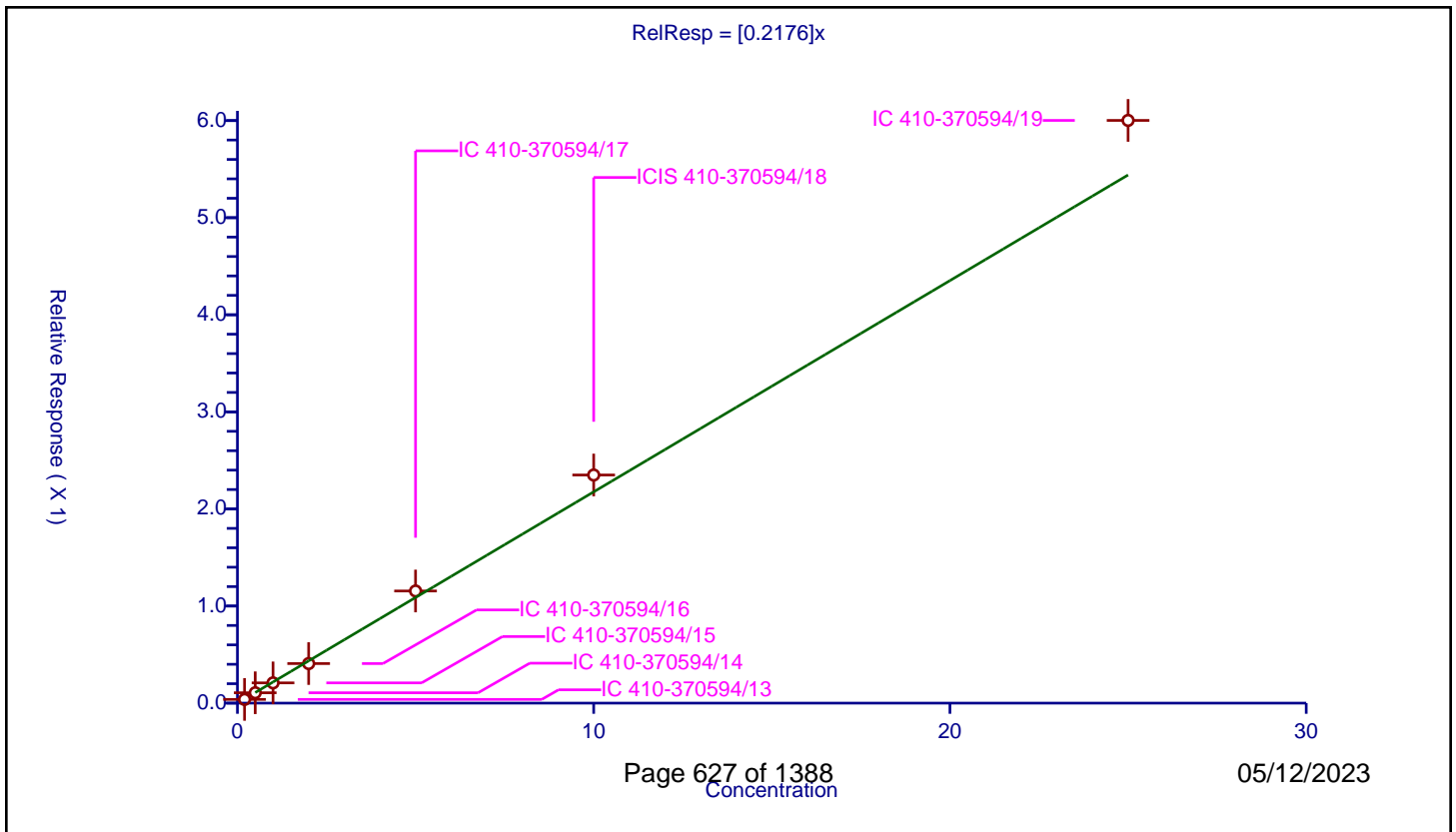
/ Bromoform

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

Curve Coefficients	
Intercept:	0
Slope:	0.2176

Error Coefficients	
Standard Error:	503000
Relative Standard Error:	8.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	0.038229	10.0	1838678.0	0.191143	Y
2	IC 410-370594/14	0.5	0.106841	10.0	1823359.0	0.213683	Y
3	IC 410-370594/15	1.0	0.208574	10.0	1852391.0	0.208574	Y
4	IC 410-370594/16	2.0	0.40749	10.0	1834206.0	0.203745	Y
5	IC 410-370594/17	5.0	1.155174	10.0	1855538.0	0.231035	Y
6	ICIS 410-370594/18	10.0	2.349603	10.0	1853075.0	0.23496	Y
7	IC 410-370594/19	25.0	6.001825	10.0	1882414.0	0.240073	Y



Calibration

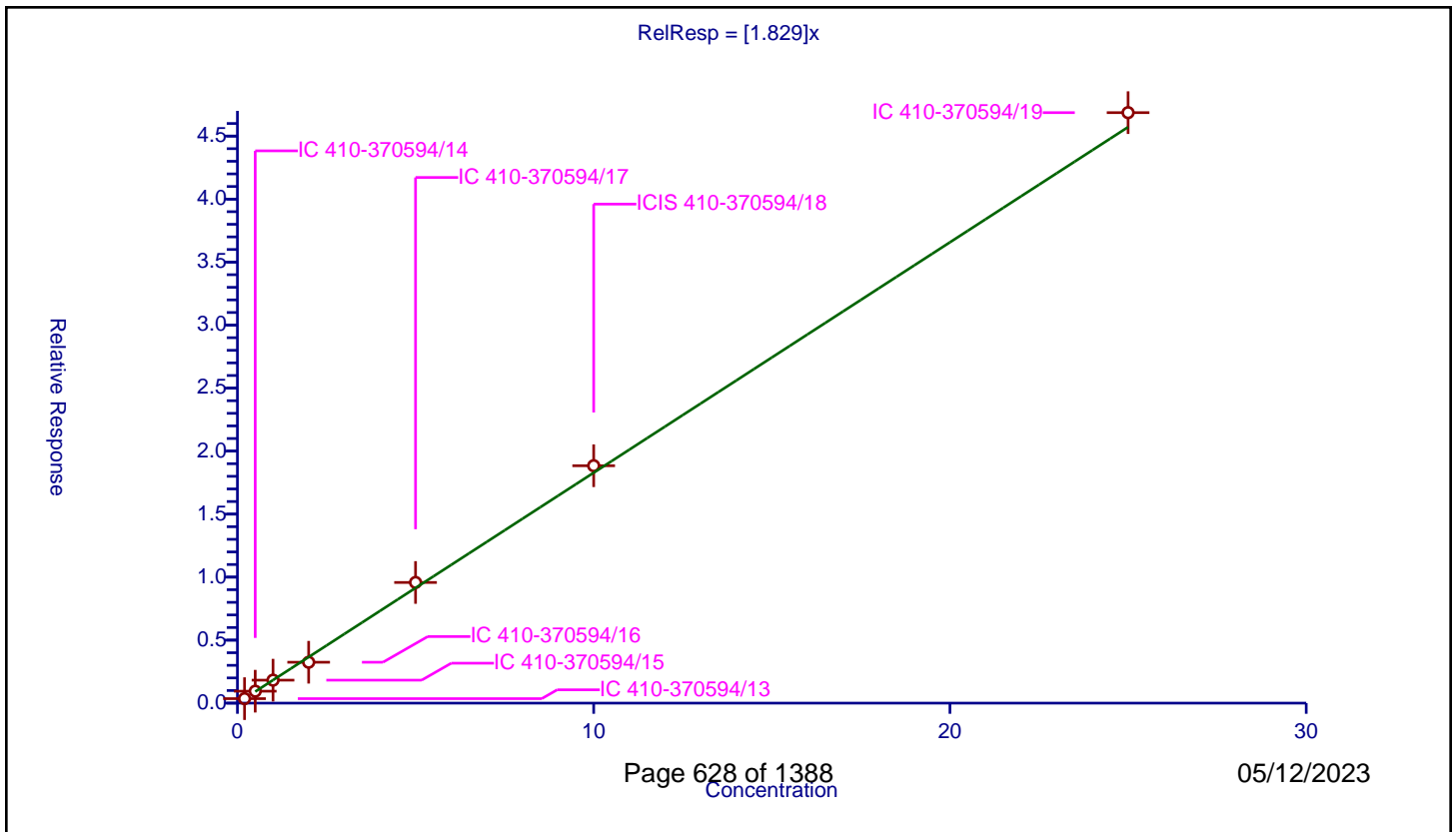
/ Isopropylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.829

Error Coefficients	
Standard Error:	3950000
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 410-370594/13	0.2	0.357007	10.0	1838678.0	1.785033	Y
2	IC 410-370594/14	0.5	0.947778	10.0	1823359.0	1.895556	Y
3	IC 410-370594/15	1.0	1.822504	10.0	1852391.0	1.822504	Y
4	IC 410-370594/16	2.0	3.246266	10.0	1834206.0	1.623133	Y
5	IC 410-370594/17	5.0	9.576834	10.0	1855538.0	1.915367	Y
6	ICIS 410-370594/18	10.0	18.840651	10.0	1853075.0	1.884065	Y
7	IC 410-370594/19	25.0	46.861429	10.0	1882414.0	1.874457	Y



Calibration

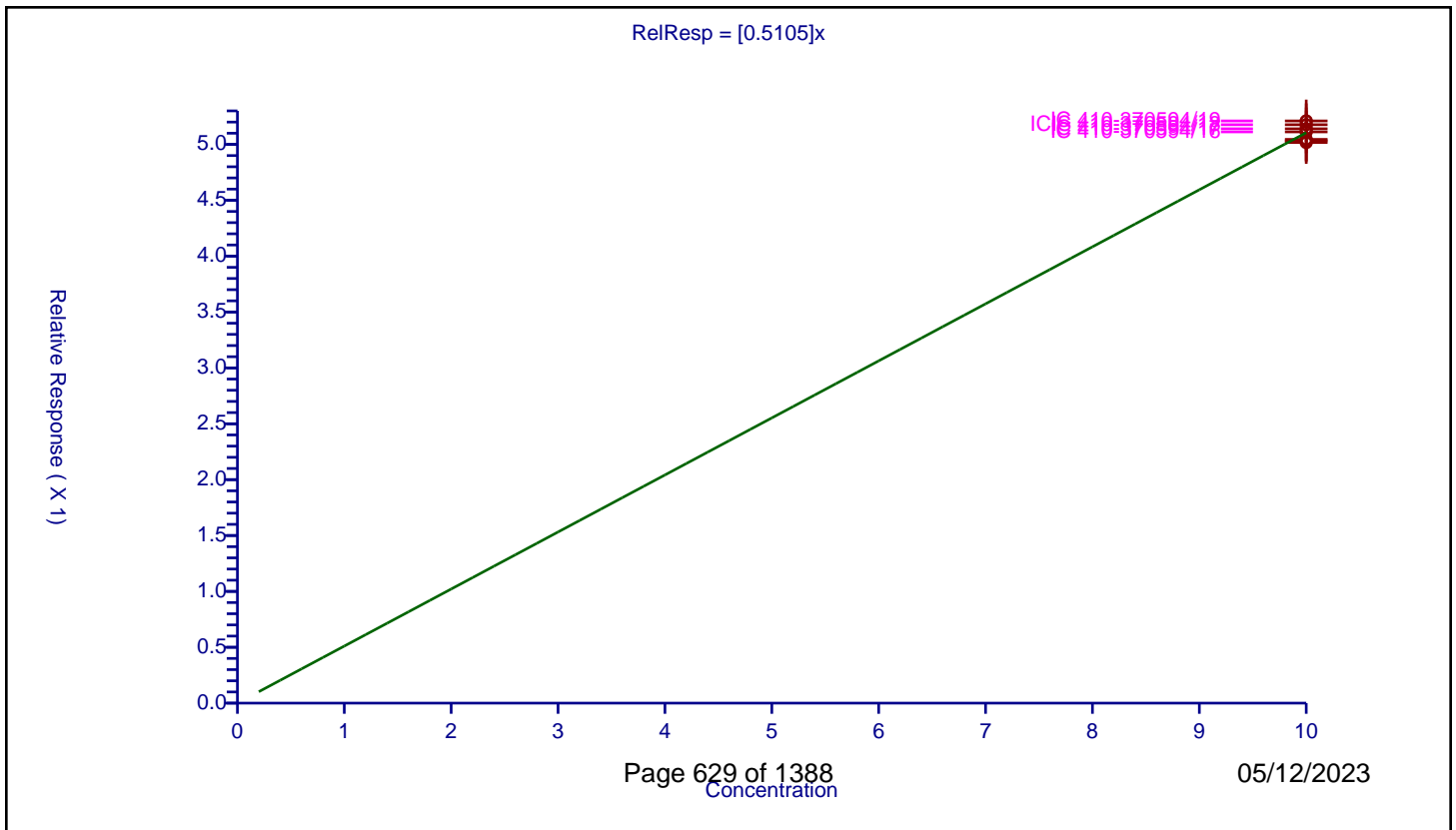
/ 4-Bromofluorobenzene (Surr)

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

Curve Coefficients	
Intercept:	0
Slope:	0.5105

Error Coefficients	
Standard Error:	1020000
Relative Standard Error:	1.5
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	10.0	5.032512	10.0	1838678.0	0.503251	Y
2	IC 410-370594/14	10.0	5.04498	10.0	1823359.0	0.504498	Y
3	IC 410-370594/15	10.0	5.017089	10.0	1852391.0	0.501709	Y
4	IC 410-370594/16	10.0	5.111863	10.0	1834206.0	0.511186	Y
5	IC 410-370594/17	10.0	5.139717	10.0	1855538.0	0.513972	Y
6	ICIS 410-370594/18	10.0	5.176256	10.0	1853075.0	0.517626	Y
7	IC 410-370594/19	10.0	5.210076	10.0	1882414.0	0.521008	Y



Calibration

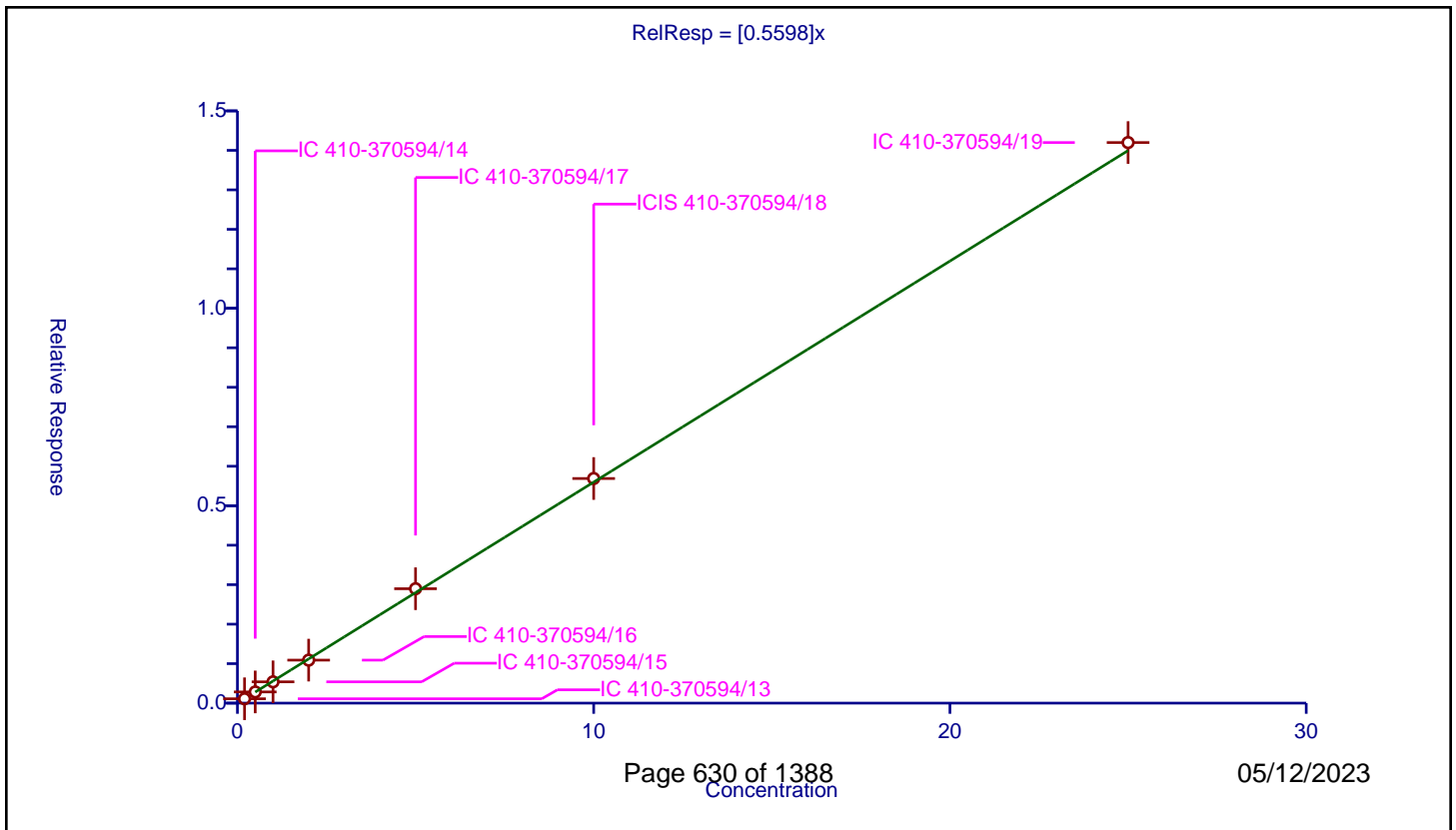
/ 1,1,2,2-Tetrachloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.5598

Error Coefficients	
Standard Error:	762000
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 410-370594/13	0.2	0.110162	10.0	1137326.0	0.55081	Y
2	IC 410-370594/14	0.5	0.283804	10.0	1130639.0	0.567608	Y
3	IC 410-370594/15	1.0	0.539143	10.0	1158894.0	0.539143	Y
4	IC 410-370594/16	2.0	1.089373	10.0	1146421.0	0.544686	Y
5	IC 410-370594/17	5.0	2.897777	10.0	1147138.0	0.579555	Y
6	ICIS 410-370594/18	10.0	5.688744	10.0	1160831.0	0.568874	Y
7	IC 410-370594/19	25.0	14.197711	10.0	1202079.0	0.567908	Y



Calibration

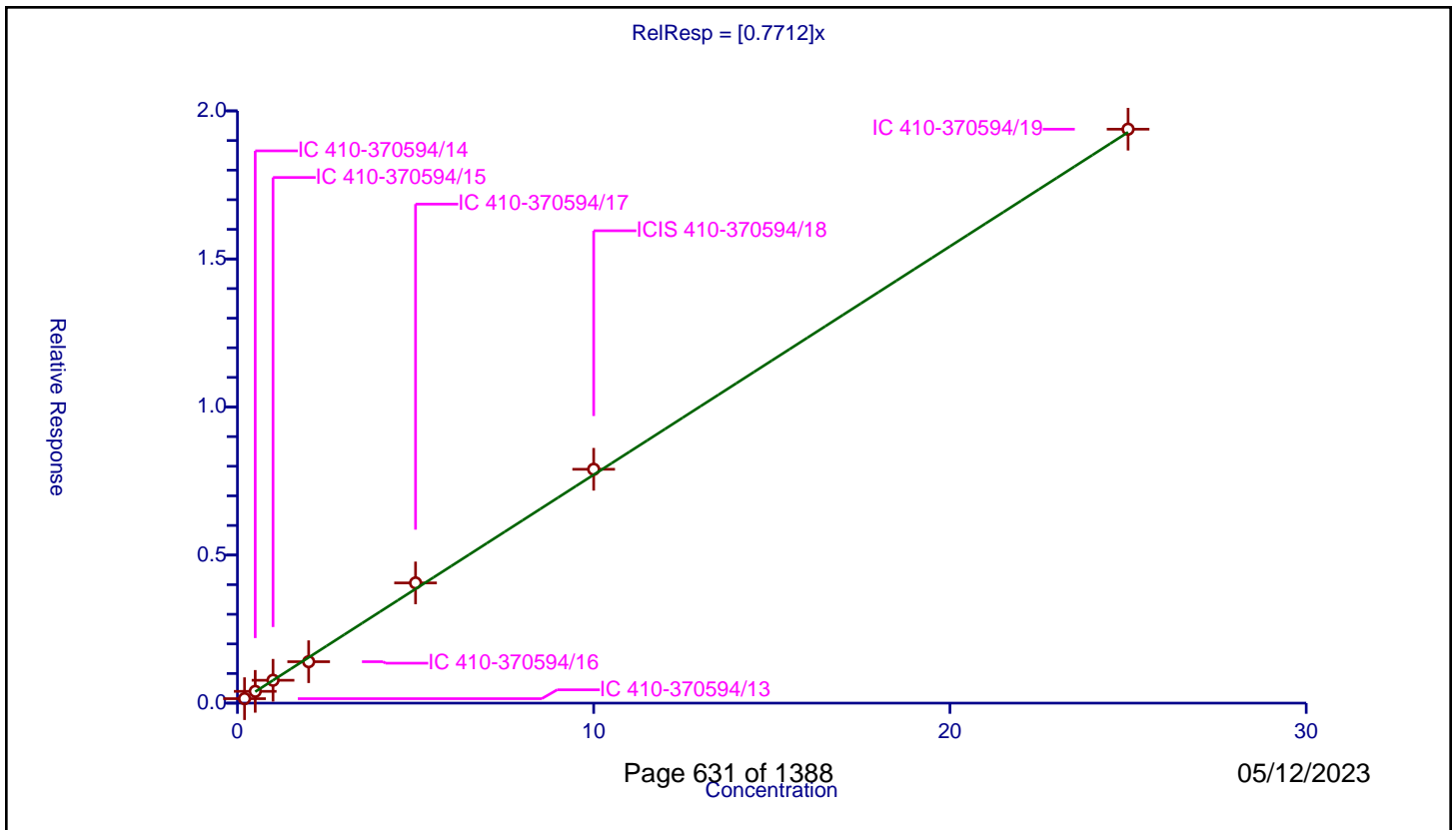
/ Bromobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.7712

Error Coefficients	
Standard Error:	1040000
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 410-370594/13	0.2	0.150942	10.0	1137326.0	0.754709	Y
2	IC 410-370594/14	0.5	0.39766	10.0	1130639.0	0.79532	Y
3	IC 410-370594/15	1.0	0.772081	10.0	1158894.0	0.772081	Y
4	IC 410-370594/16	2.0	1.399224	10.0	1146421.0	0.699612	Y
5	IC 410-370594/17	5.0	4.059485	10.0	1147138.0	0.811897	Y
6	ICIS 410-370594/18	10.0	7.897136	10.0	1160831.0	0.789714	Y
7	IC 410-370594/19	25.0	19.382445	10.0	1202079.0	0.775298	Y



Calibration

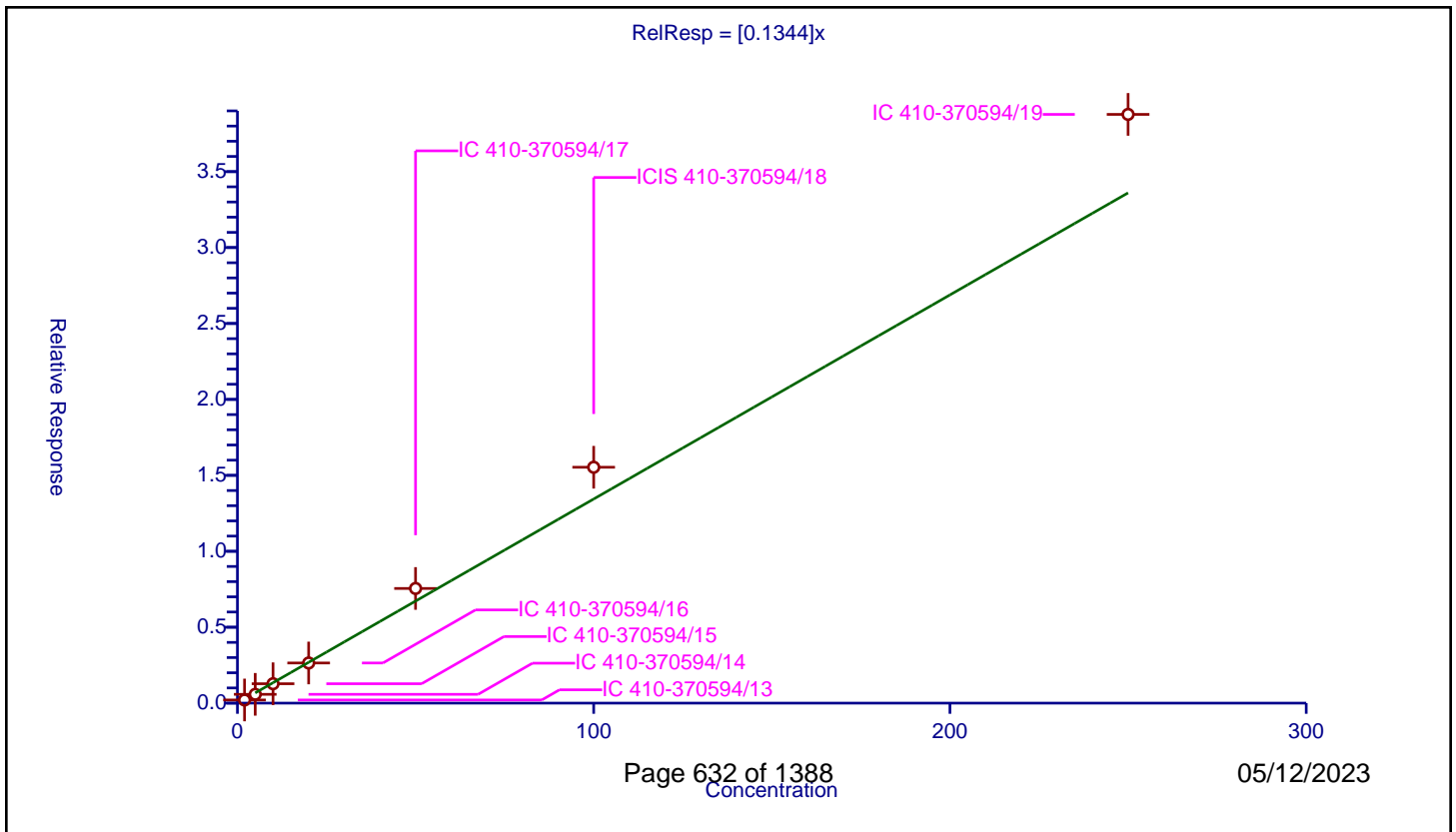
/ trans-1,4-Dichloro-2-butene

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

Curve Coefficients	
Intercept:	0
Slope:	0.1344

Error Coefficients	
Standard Error:	2080000
Relative Standard Error:	15.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	2.0	0.20739	10.0	1137326.0	0.103695	Y
2	IC 410-370594/14	5.0	0.578885	10.0	1130639.0	0.115777	Y
3	IC 410-370594/15	10.0	1.277037	10.0	1158894.0	0.127704	Y
4	IC 410-370594/16	20.0	2.644779	10.0	1146421.0	0.132239	Y
5	IC 410-370594/17	50.0	7.552047	10.0	1147138.0	0.151041	Y
6	ICIS 410-370594/18	100.0	15.532442	10.0	1160831.0	0.155324	Y
7	IC 410-370594/19	250.0	38.769307	10.0	1202079.0	0.155077	Y



Calibration

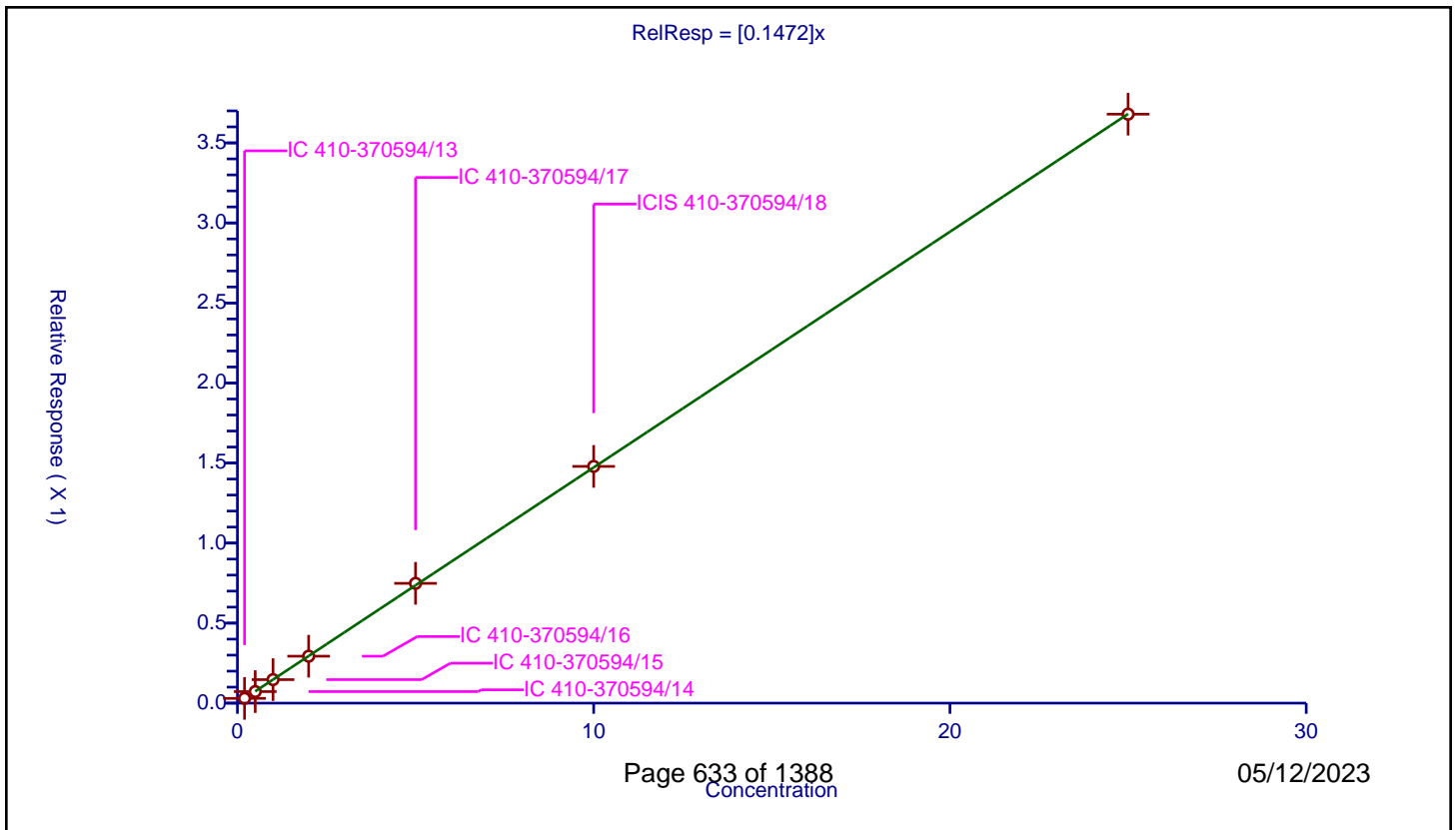
/ 1,2,3-Trichloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.1472

Error Coefficients	
Standard Error:	197000
Relative Standard Error:	1.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	0.029622	10.0	1137326.0	0.148111	Y
2	IC 410-370594/14	0.5	0.072207	10.0	1130639.0	0.144414	Y
3	IC 410-370594/15	1.0	0.146804	10.0	1158894.0	0.146804	Y
4	IC 410-370594/16	2.0	0.293287	10.0	1146421.0	0.146643	Y
5	IC 410-370594/17	5.0	0.748323	10.0	1147138.0	0.149665	Y
6	ICIS 410-370594/18	10.0	1.478975	10.0	1160831.0	0.147897	Y
7	IC 410-370594/19	25.0	3.679351	10.0	1202079.0	0.147174	Y



Calibration

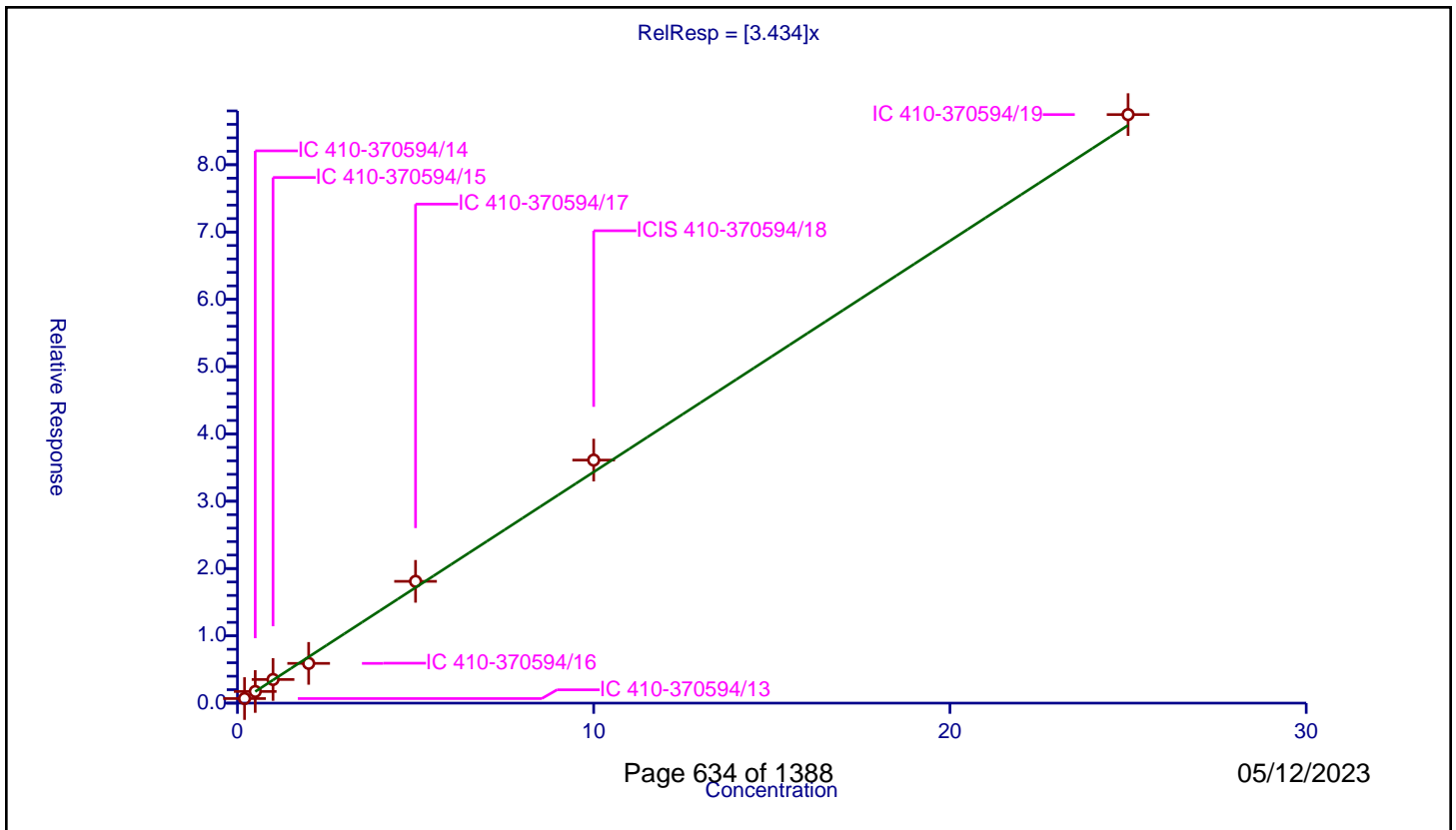
/ N-Propylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	3.434

Error Coefficients	
Standard Error:	4710000
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 410-370594/13	0.2	0.676763	10.0	1137326.0	3.383814	Y
2	IC 410-370594/14	0.5	1.731711	10.0	1130639.0	3.463422	Y
3	IC 410-370594/15	1.0	3.51234	10.0	1158894.0	3.51234	Y
4	IC 410-370594/16	2.0	5.907088	10.0	1146421.0	2.953544	Y
5	IC 410-370594/17	5.0	18.09424	10.0	1147138.0	3.618848	Y
6	ICIS 410-370594/18	10.0	36.113017	10.0	1160831.0	3.611302	Y
7	IC 410-370594/19	25.0	87.44946	10.0	1202079.0	3.497978	Y



Calibration

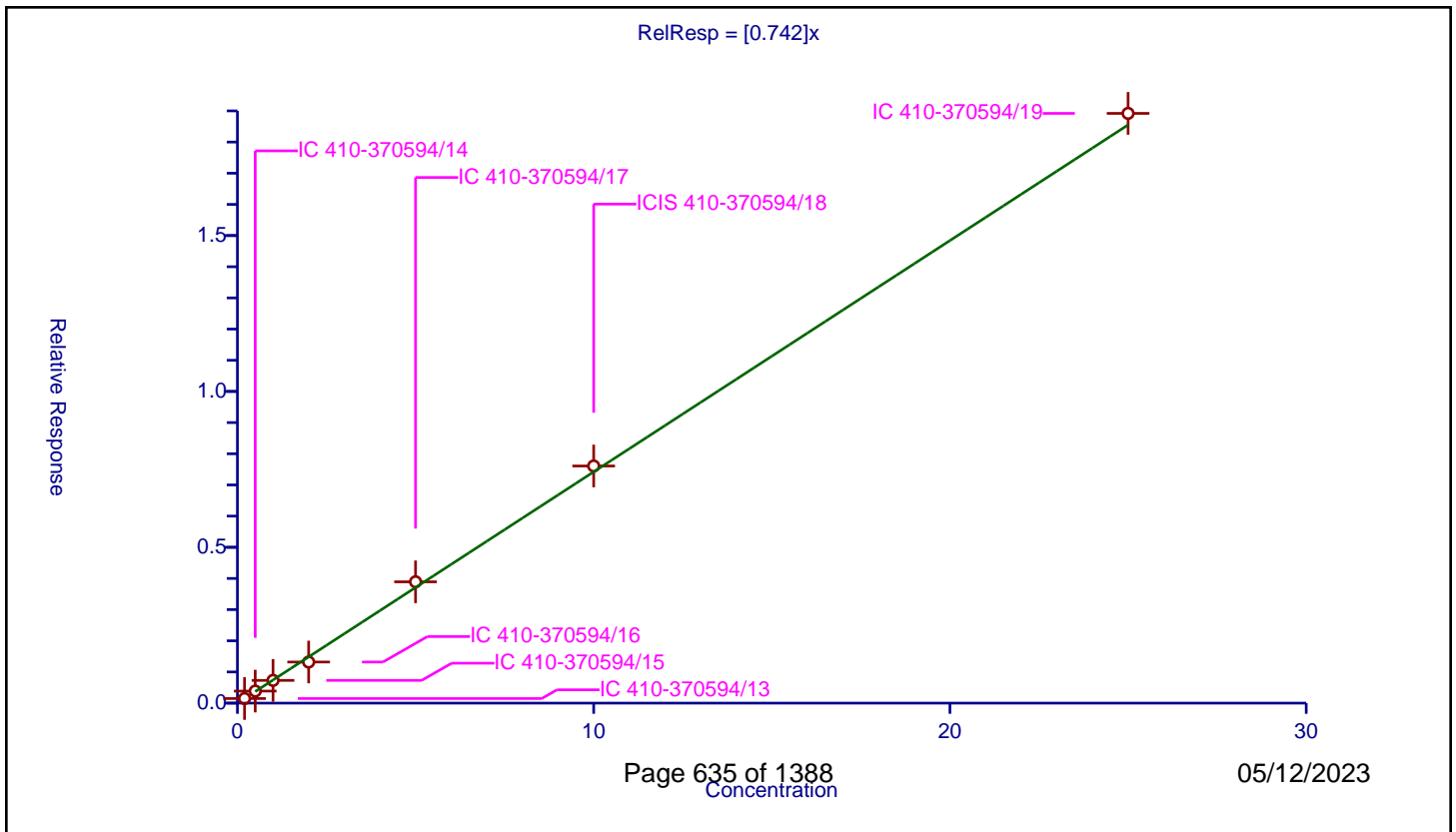
/ 2-Chlorotoluene

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

Curve Coefficients	
Intercept:	0
Slope:	0.742

Error Coefficients	
Standard Error:	1020000
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 410-370594/13	0.2	0.147328	10.0	1137326.0	0.73664	Y
2	IC 410-370594/14	0.5	0.386295	10.0	1130639.0	0.77259	Y
3	IC 410-370594/15	1.0	0.72942	10.0	1158894.0	0.72942	Y
4	IC 410-370594/16	2.0	1.319088	10.0	1146421.0	0.659544	Y
5	IC 410-370594/17	5.0	3.891851	10.0	1147138.0	0.77837	Y
6	ICIS 410-370594/18	10.0	7.607783	10.0	1160831.0	0.760778	Y
7	IC 410-370594/19	25.0	18.919722	10.0	1202079.0	0.756789	Y



Calibration

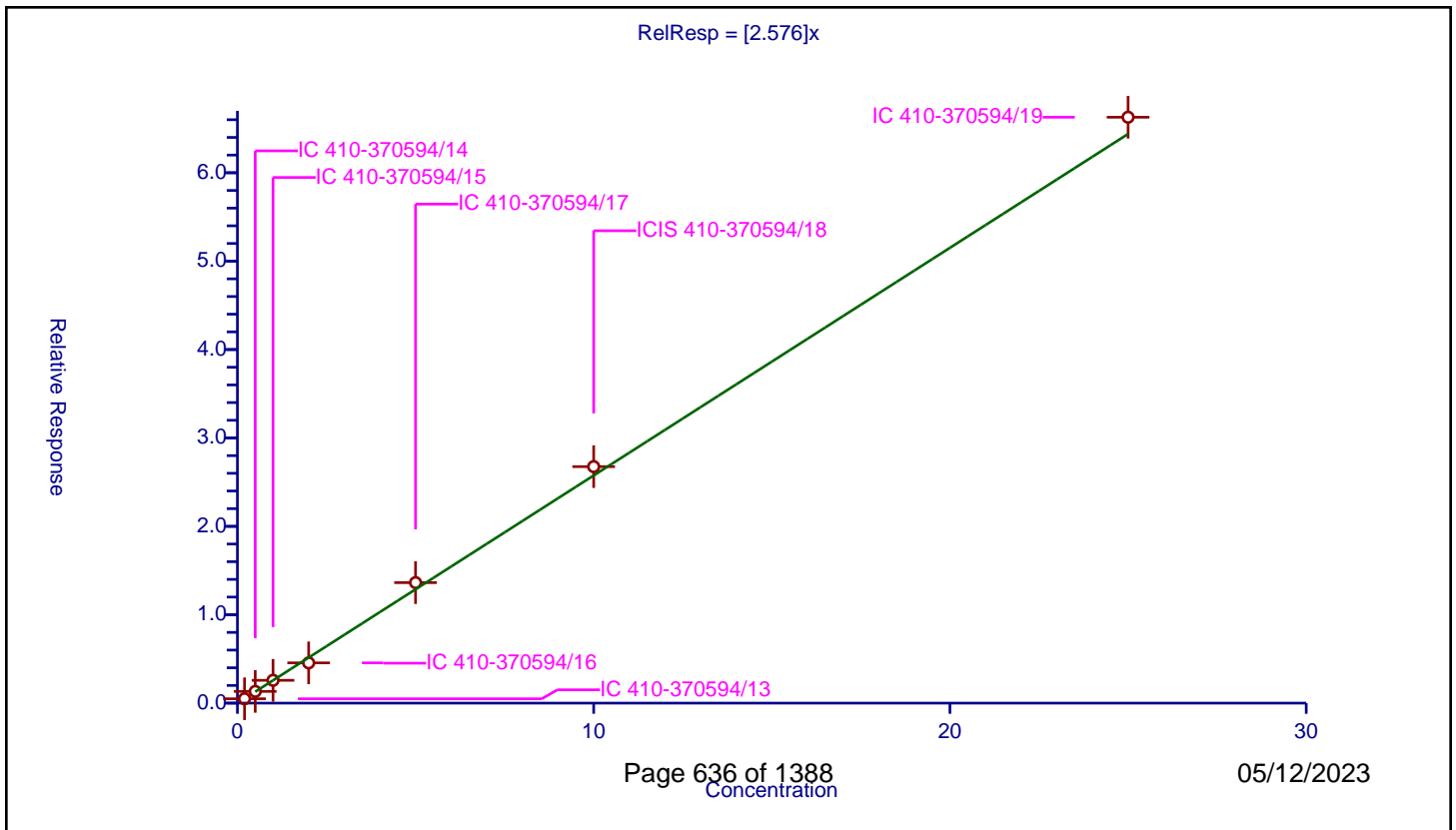
/ 1,3,5-Trimethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	2.576

Error Coefficients	
Standard Error:	3560000
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 410-370594/13	0.2	0.492867	10.0	1137326.0	2.464333	Y
2	IC 410-370594/14	0.5	1.326082	10.0	1130639.0	2.652164	Y
3	IC 410-370594/15	1.0	2.581384	10.0	1158894.0	2.581384	Y
4	IC 410-370594/16	2.0	4.554627	10.0	1146421.0	2.277313	Y
5	IC 410-370594/17	5.0	13.633216	10.0	1147138.0	2.726643	Y
6	ICIS 410-370594/18	10.0	26.754101	10.0	1160831.0	2.67541	Y
7	IC 410-370594/19	25.0	66.283206	10.0	1202079.0	2.651328	Y



Calibration

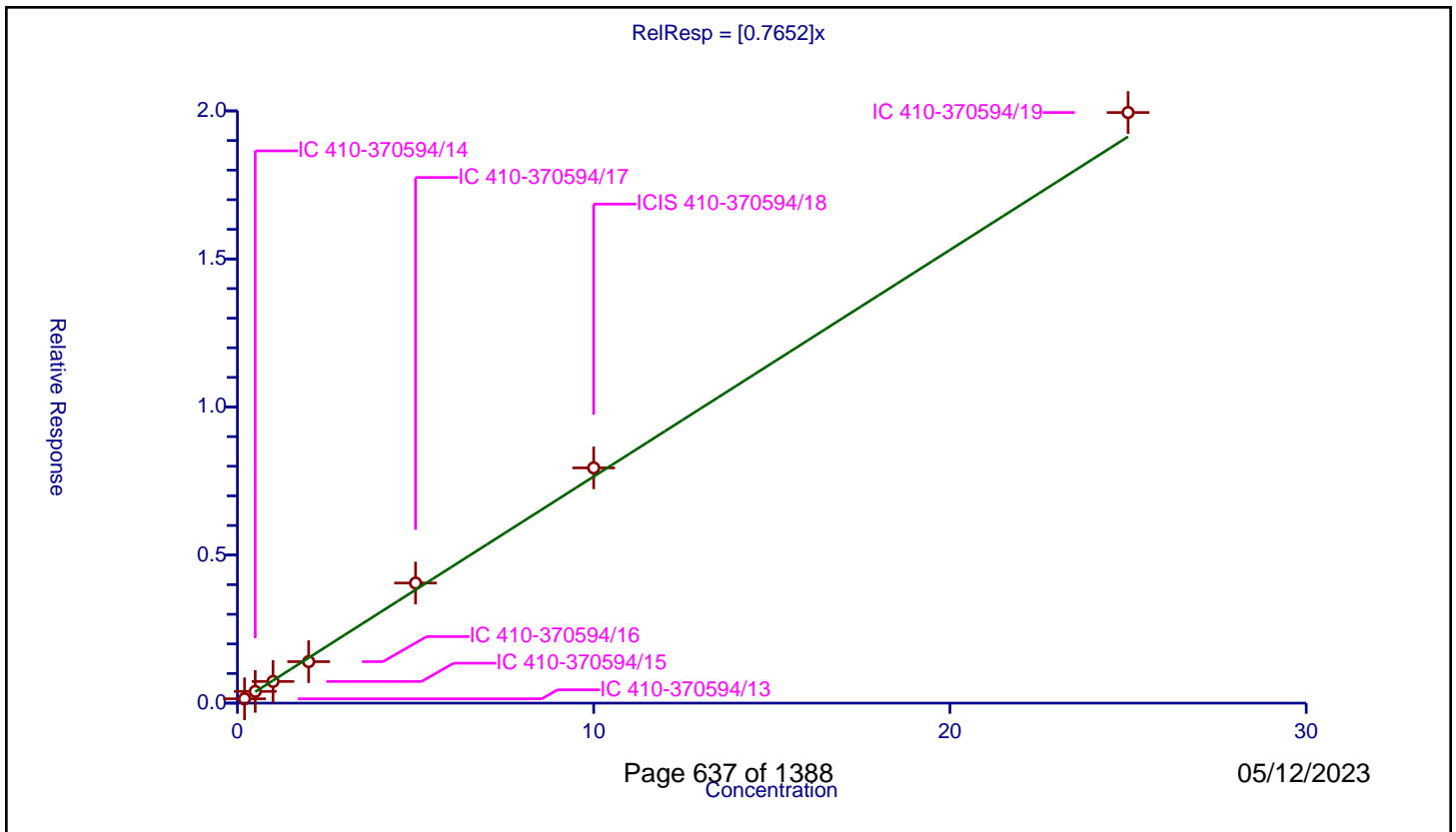
/ 4-Chlorotoluene

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

Curve Coefficients	
Intercept:	0
Slope:	0.7652

Error Coefficients	
Standard Error:	1070000
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 410-370594/13	0.2	0.145851	10.0	1137326.0	0.729254	Y
2	IC 410-370594/14	0.5	0.395909	10.0	1130639.0	0.791818	Y
3	IC 410-370594/15	1.0	0.731629	10.0	1158894.0	0.731629	Y
4	IC 410-370594/16	2.0	1.400716	10.0	1146421.0	0.700358	Y
5	IC 410-370594/17	5.0	4.055563	10.0	1147138.0	0.811113	Y
6	ICIS 410-370594/18	10.0	7.944567	10.0	1160831.0	0.794457	Y
7	IC 410-370594/19	25.0	19.944771	10.0	1202079.0	0.797791	Y



Calibration

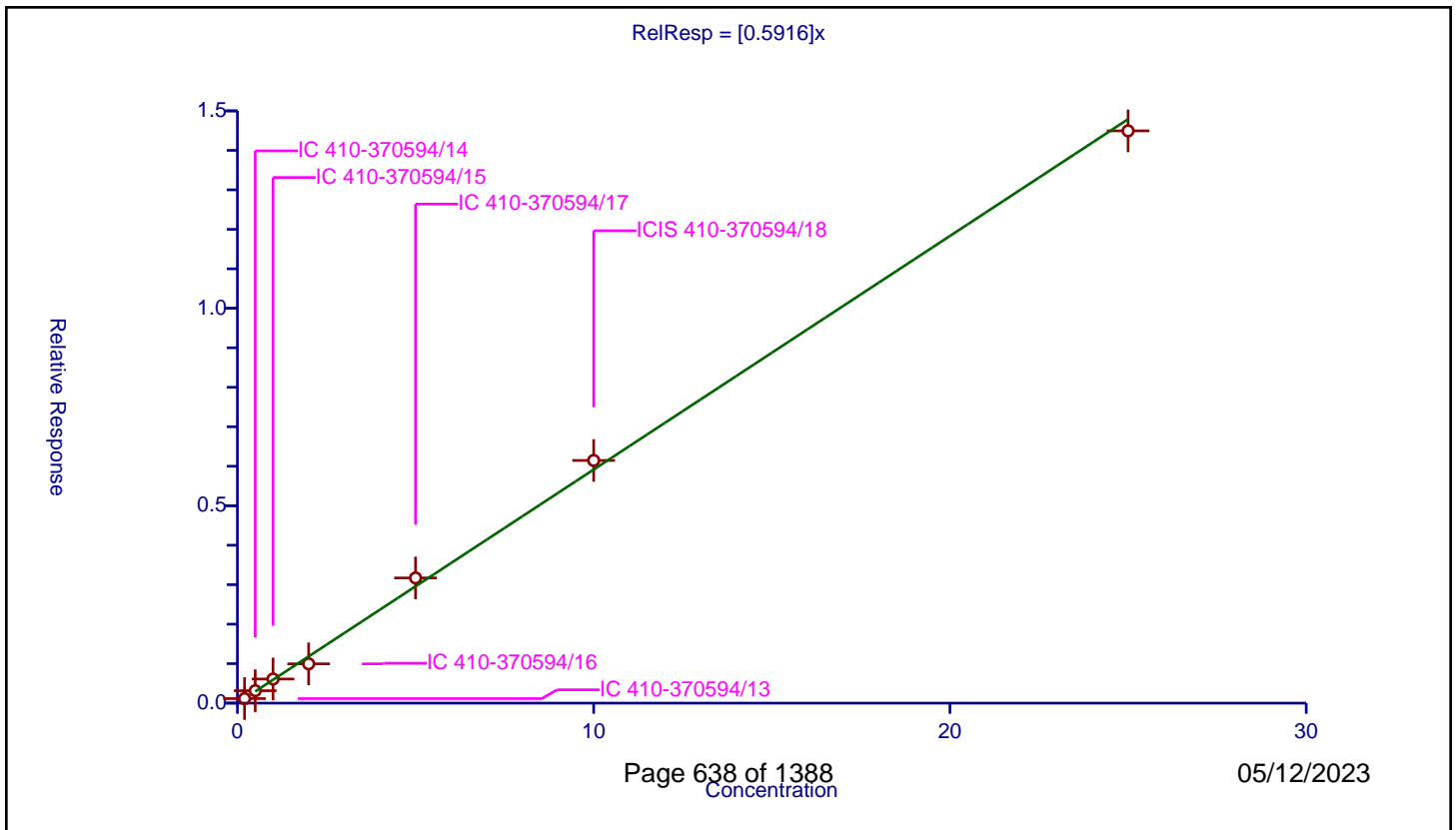
/ tert-Butylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.5916

Error Coefficients	
Standard Error:	785000
Relative Standard Error:	8.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	0.114954	10.0	1137326.0	0.574769	Y
2	IC 410-370594/14	0.5	0.314902	10.0	1130639.0	0.629803	Y
3	IC 410-370594/15	1.0	0.610487	10.0	1158894.0	0.610487	Y
4	IC 410-370594/16	2.0	0.995236	10.0	1146421.0	0.497618	Y
5	IC 410-370594/17	5.0	3.170543	10.0	1147138.0	0.634109	Y
6	ICIS 410-370594/18	10.0	6.146562	10.0	1160831.0	0.614656	Y
7	IC 410-370594/19	25.0	14.493823	10.0	1202079.0	0.579753	Y



Calibration

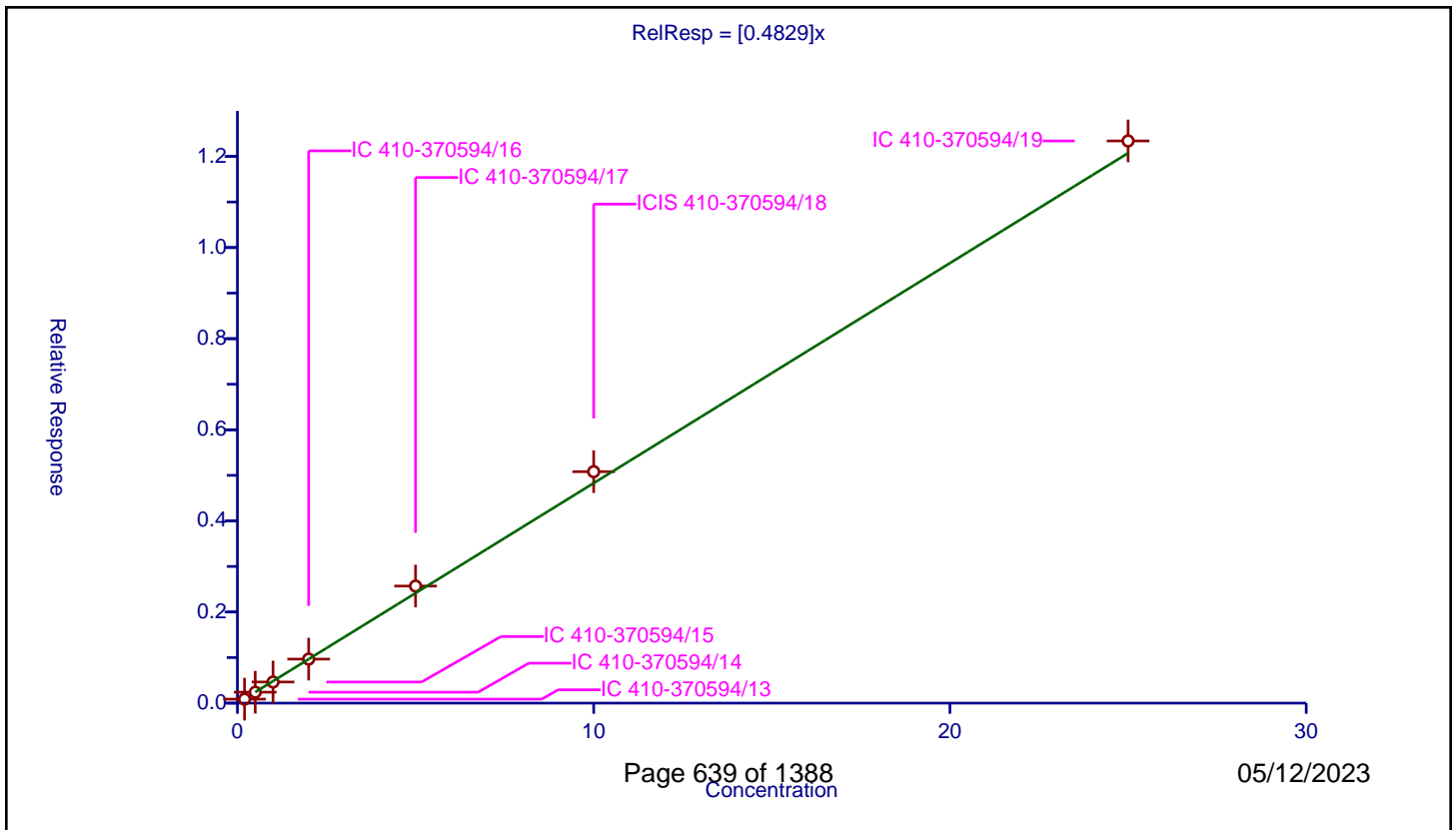
/ Pentachloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4829

Error Coefficients	
Standard Error:	665000
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 410-370594/13	0.2	0.087609	10.0	1137326.0	0.438045	Y
2	IC 410-370594/14	0.5	0.240077	10.0	1130639.0	0.480153	Y
3	IC 410-370594/15	1.0	0.463632	10.0	1158894.0	0.463632	Y
4	IC 410-370594/16	2.0	0.966233	10.0	1146421.0	0.483117	Y
5	IC 410-370594/17	5.0	2.569743	10.0	1147138.0	0.513949	Y
6	ICIS 410-370594/18	10.0	5.08055	10.0	1160831.0	0.508055	Y
7	IC 410-370594/19	25.0	12.340503	10.0	1202079.0	0.49362	Y



Calibration

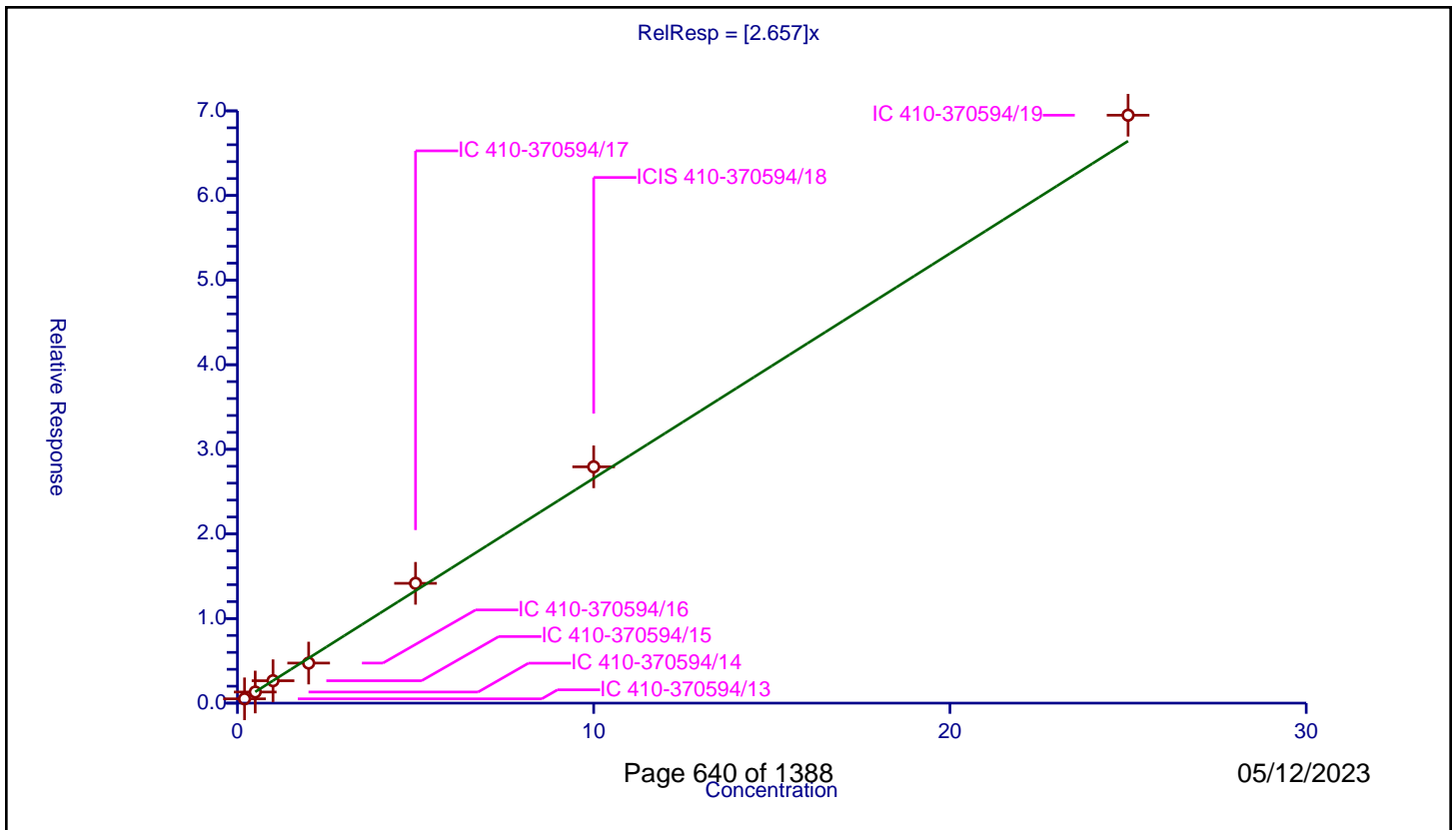
/ 1,2,4-Trimethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	2.657

Error Coefficients	
Standard Error:	3730000
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 410-370594/13	0.2	0.509836	10.0	1137326.0	2.549181	Y
2	IC 410-370594/14	0.5	1.315698	10.0	1130639.0	2.631397	Y
3	IC 410-370594/15	1.0	2.64749	10.0	1158894.0	2.64749	Y
4	IC 410-370594/16	2.0	4.736166	10.0	1146421.0	2.368083	Y
5	IC 410-370594/17	5.0	14.162559	10.0	1147138.0	2.832512	Y
6	ICIS 410-370594/18	10.0	27.930905	10.0	1160831.0	2.79309	Y
7	IC 410-370594/19	25.0	69.490083	10.0	1202079.0	2.779603	Y



Calibration

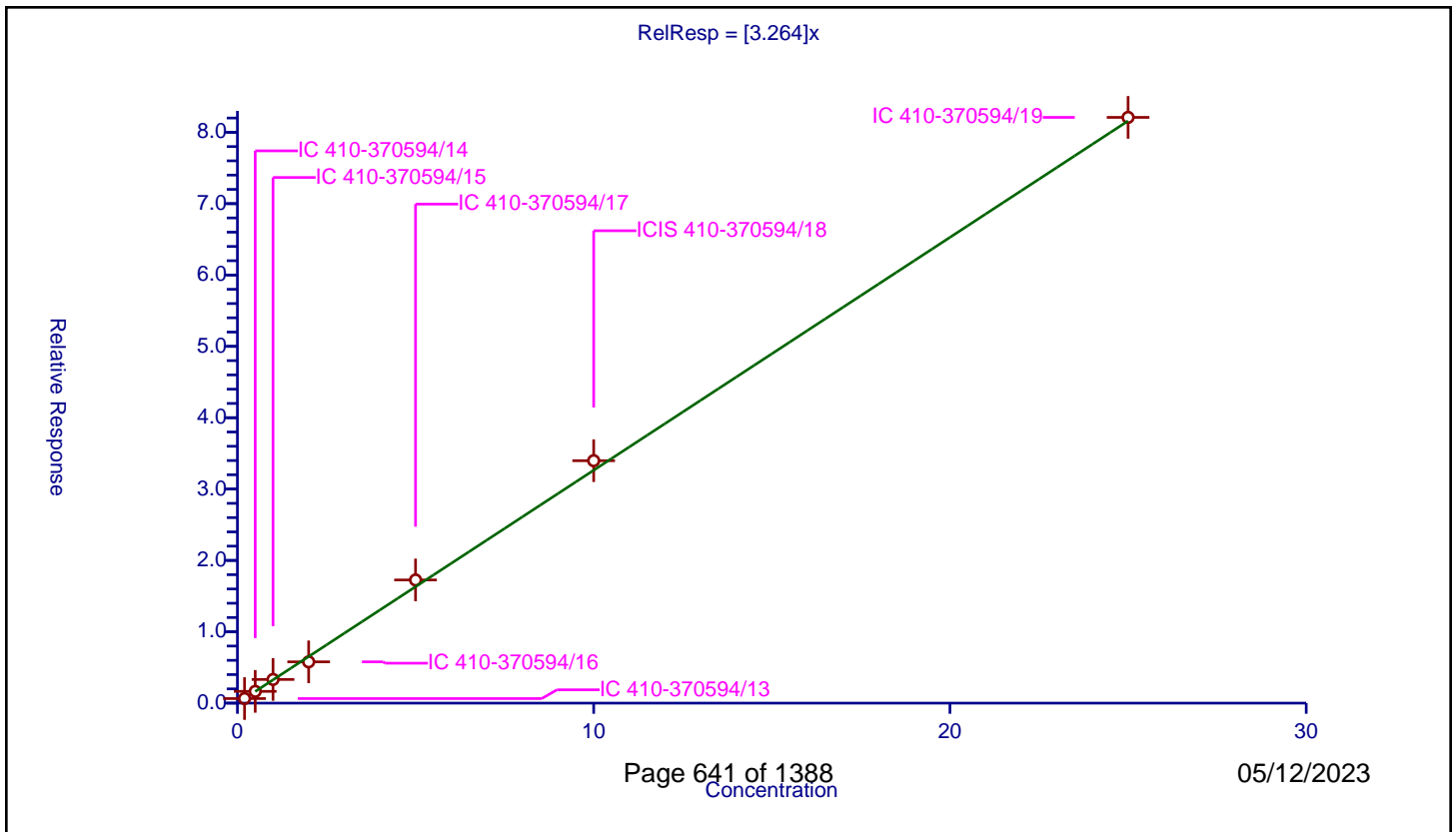
/ sec-Butylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	3.264

Error Coefficients	
Standard Error:	4420000
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 410-370594/13	0.2	0.641707	10.0	1137326.0	3.208535	Y
2	IC 410-370594/14	0.5	1.647307	10.0	1130639.0	3.294615	Y
3	IC 410-370594/15	1.0	3.316326	10.0	1158894.0	3.316326	Y
4	IC 410-370594/16	2.0	5.786504	10.0	1146421.0	2.893252	Y
5	IC 410-370594/17	5.0	17.260678	10.0	1147138.0	3.452136	Y
6	ICIS 410-370594/18	10.0	33.977547	10.0	1160831.0	3.397755	Y
7	IC 410-370594/19	25.0	82.088041	10.0	1202079.0	3.283522	Y



Calibration

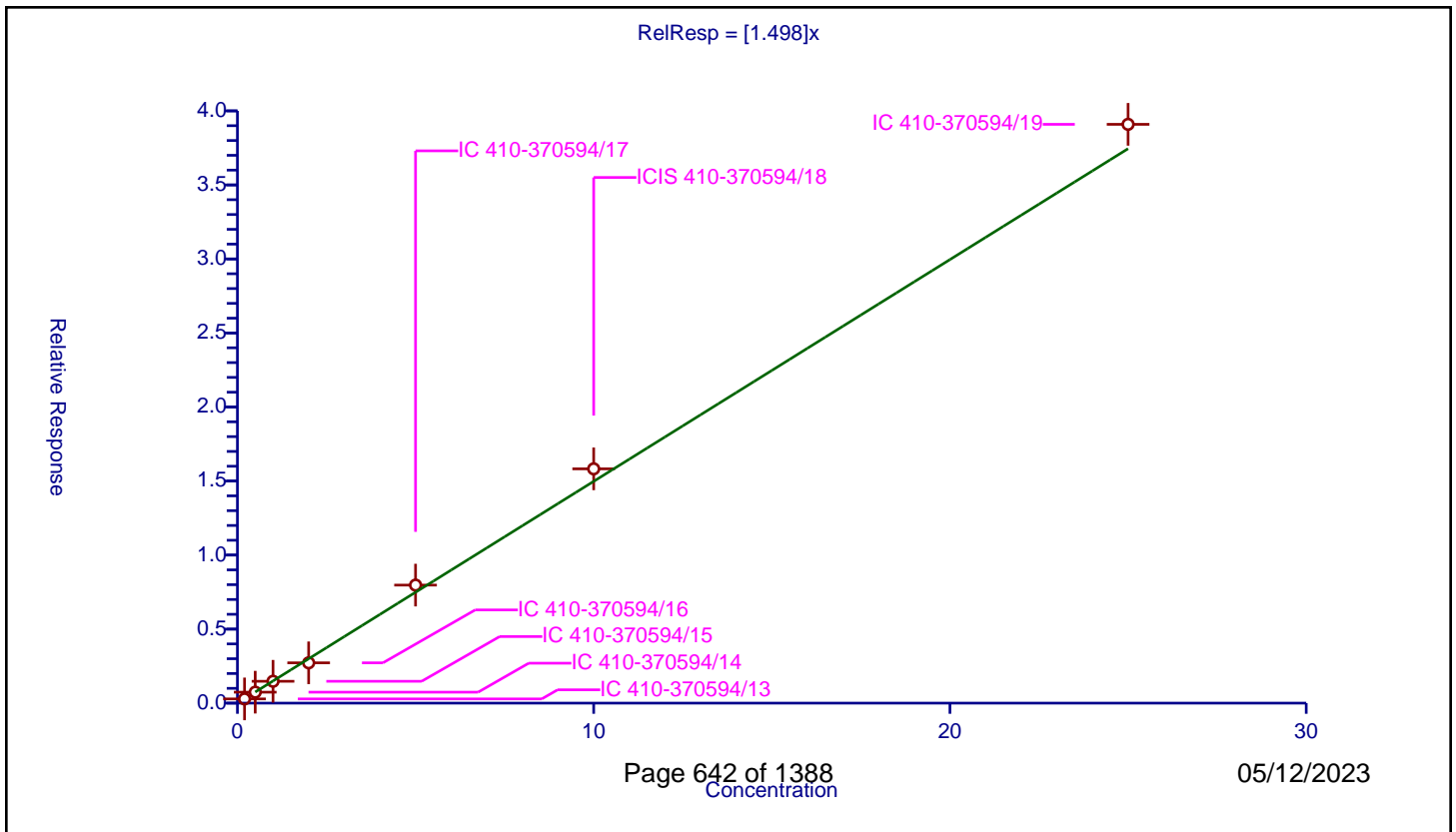
/ 1,3-Dichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.498

Error Coefficients	
Standard Error:	2100000
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 410-370594/13	0.2	0.285582	10.0	1137326.0	1.427911	Y
2	IC 410-370594/14	0.5	0.739555	10.0	1130639.0	1.47911	Y
3	IC 410-370594/15	1.0	1.476347	10.0	1158894.0	1.476347	Y
4	IC 410-370594/16	2.0	2.722892	10.0	1146421.0	1.361446	Y
5	IC 410-370594/17	5.0	7.972153	10.0	1147138.0	1.594431	Y
6	ICIS 410-370594/18	10.0	15.823681	10.0	1160831.0	1.582368	Y
7	IC 410-370594/19	25.0	39.091233	10.0	1202079.0	1.563649	Y



Calibration

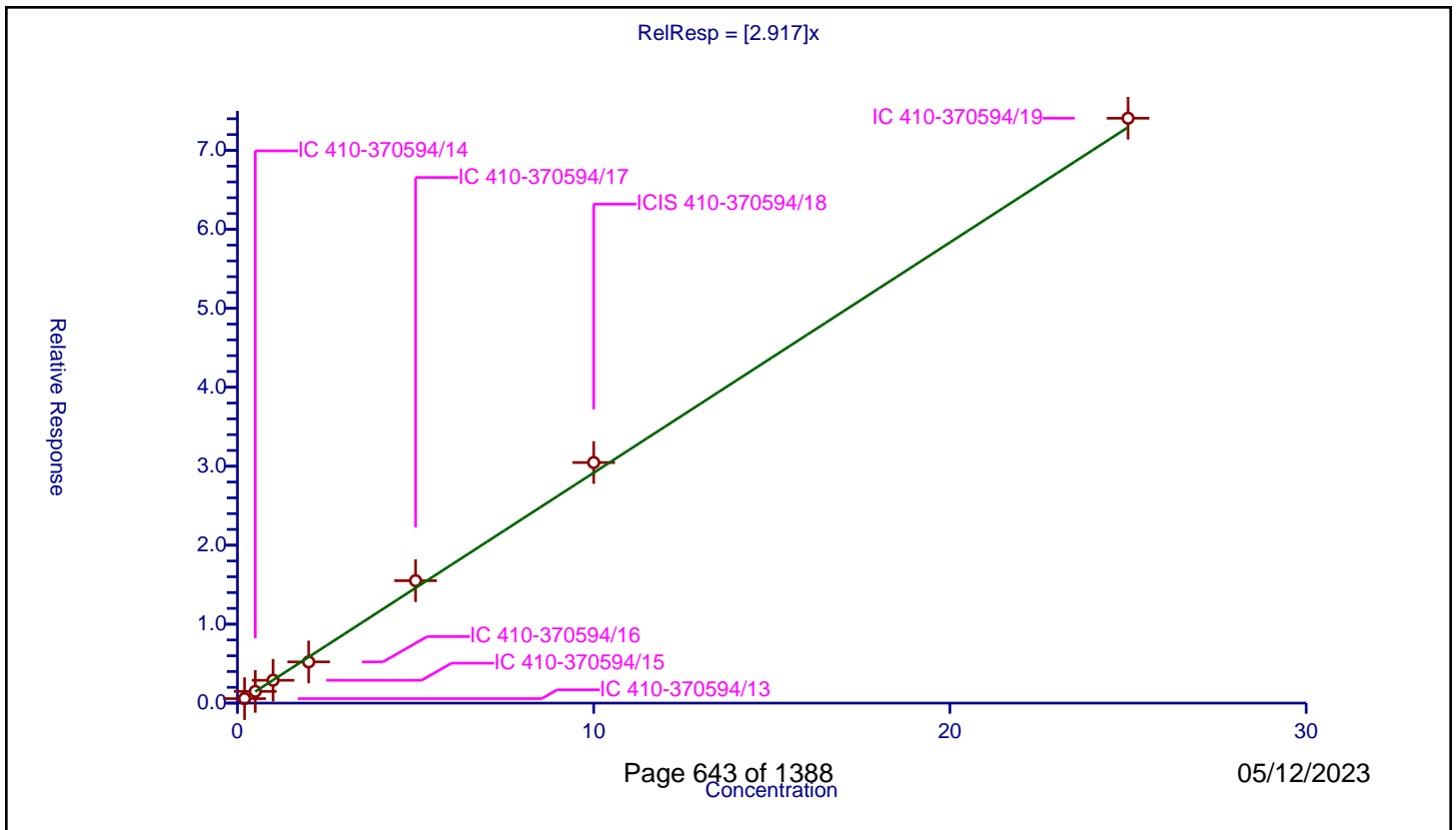
/ 4-Isopropyltoluene

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

Curve Coefficients	
Intercept:	0
Slope:	2.917

Error Coefficients	
Standard Error:	3990000
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 410-370594/13	0.2	0.567498	10.0	1137326.0	2.837489	Y
2	IC 410-370594/14	0.5	1.484815	10.0	1130639.0	2.96963	Y
3	IC 410-370594/15	1.0	2.891429	10.0	1158894.0	2.891429	Y
4	IC 410-370594/16	2.0	5.220429	10.0	1146421.0	2.610215	Y
5	IC 410-370594/17	5.0	15.508012	10.0	1147138.0	3.101602	Y
6	ICIS 410-370594/18	10.0	30.468285	10.0	1160831.0	3.046829	Y
7	IC 410-370594/19	25.0	74.071796	10.0	1202079.0	2.962872	Y



Calibration

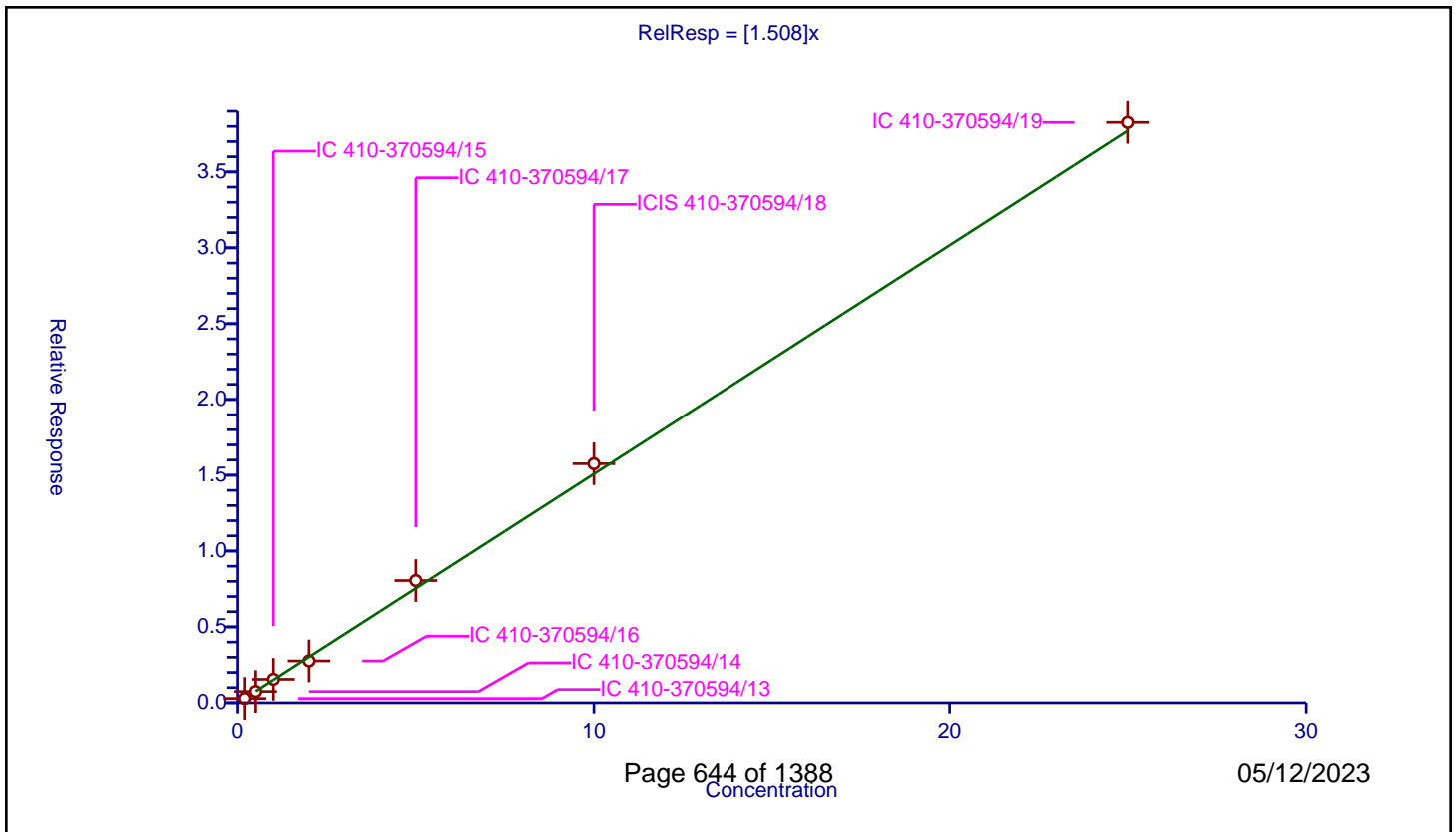
/ 1,4-Dichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.508

Error Coefficients	
Standard Error:	2060000
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 410-370594/13	0.2	0.285485	10.0	1137326.0	1.427427	Y
2	IC 410-370594/14	0.5	0.74442	10.0	1130639.0	1.488839	Y
3	IC 410-370594/15	1.0	1.545439	10.0	1158894.0	1.545439	Y
4	IC 410-370594/16	2.0	2.758315	10.0	1146421.0	1.379157	Y
5	IC 410-370594/17	5.0	8.055343	10.0	1147138.0	1.611069	Y
6	ICIS 410-370594/18	10.0	15.759667	10.0	1160831.0	1.575967	Y
7	IC 410-370594/19	25.0	38.263825	10.0	1202079.0	1.530553	Y



Calibration

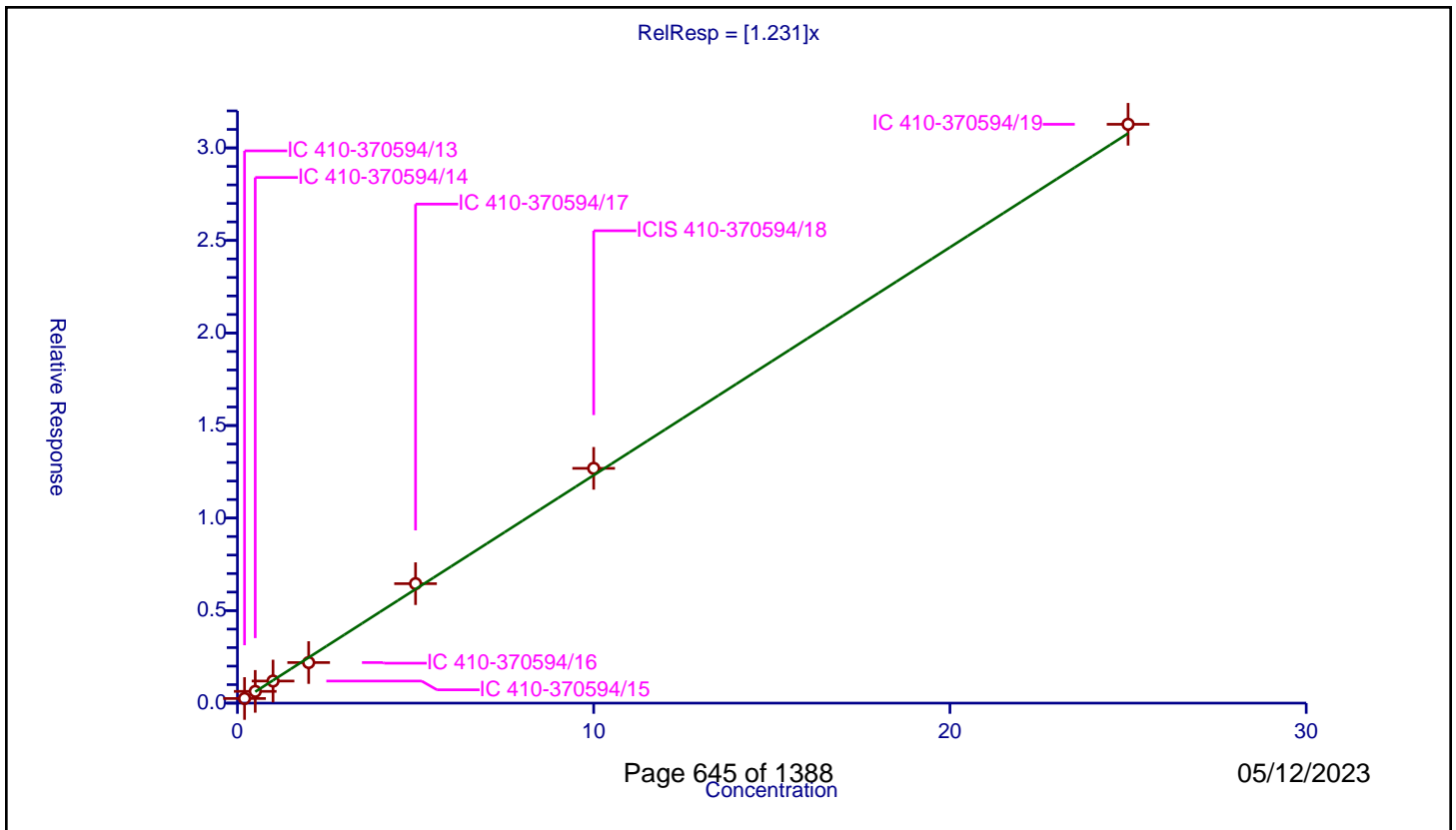
/ 1,2,3-Trimethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.231

Error Coefficients	
Standard Error:	1680000
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 410-370594/13	0.2	0.249779	10.0	1137326.0	1.248894	Y
2	IC 410-370594/14	0.5	0.635172	10.0	1130639.0	1.270344	Y
3	IC 410-370594/15	1.0	1.193276	10.0	1158894.0	1.193276	Y
4	IC 410-370594/16	2.0	2.192711	10.0	1146421.0	1.096356	Y
5	IC 410-370594/17	5.0	6.454742	10.0	1147138.0	1.290948	Y
6	ICIS 410-370594/18	10.0	12.686782	10.0	1160831.0	1.268678	Y
7	IC 410-370594/19	25.0	31.27544	10.0	1202079.0	1.251018	Y



Calibration

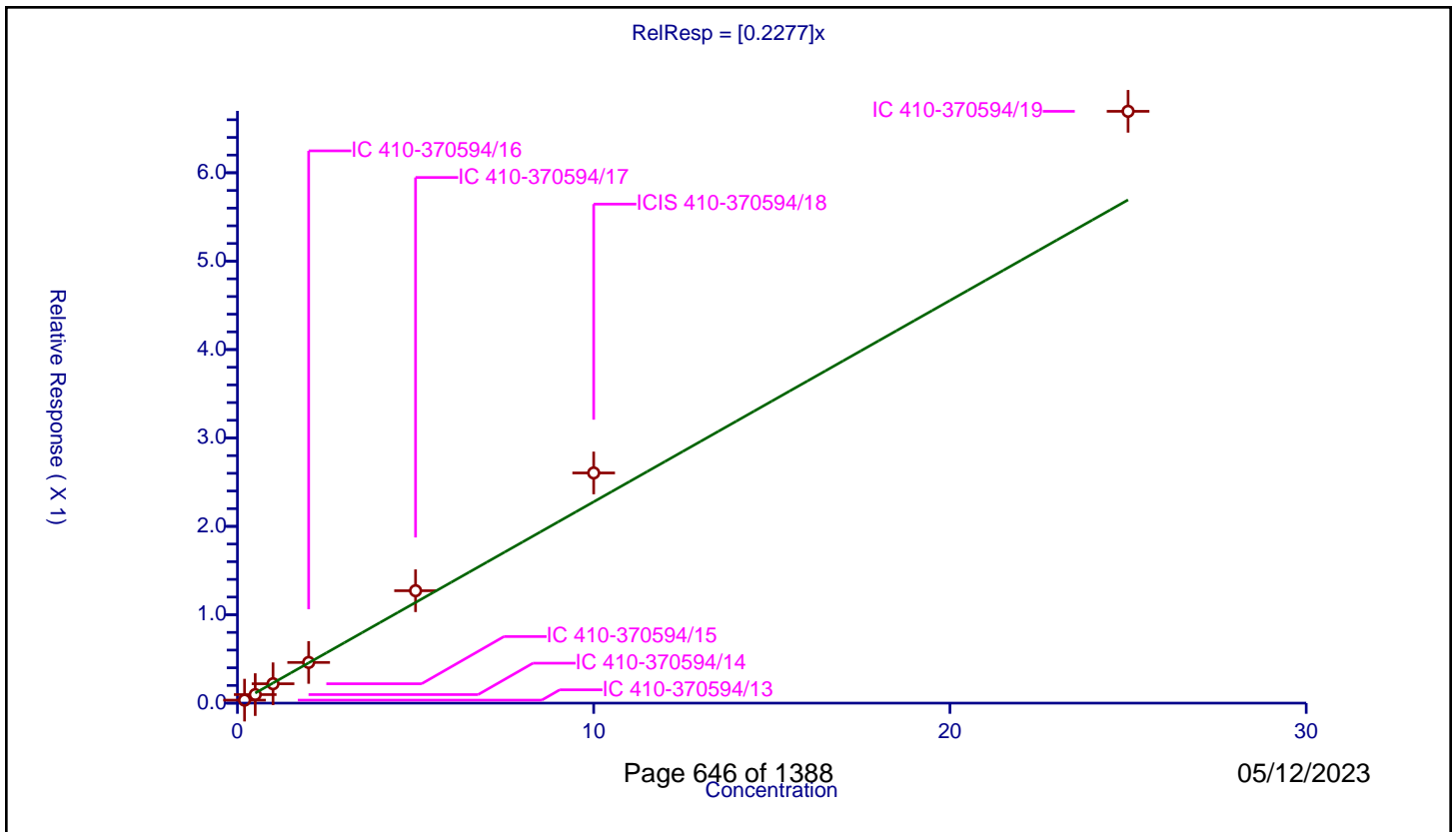
/ Benzyl chloride

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

Curve Coefficients	
Intercept:	0
Slope:	0.2277

Error Coefficients	
Standard Error:	357000
Relative Standard Error:	16.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	0.033851	10.0	1137326.0	0.169257	Y
2	IC 410-370594/14	0.5	0.096556	10.0	1130639.0	0.193112	Y
3	IC 410-370594/15	1.0	0.219269	10.0	1158894.0	0.219269	Y
4	IC 410-370594/16	2.0	0.46011	10.0	1146421.0	0.230055	Y
5	IC 410-370594/17	5.0	1.271652	10.0	1147138.0	0.25433	Y
6	ICIS 410-370594/18	10.0	2.604083	10.0	1160831.0	0.260408	Y
7	IC 410-370594/19	25.0	6.695234	10.0	1202079.0	0.267809	Y



Calibration

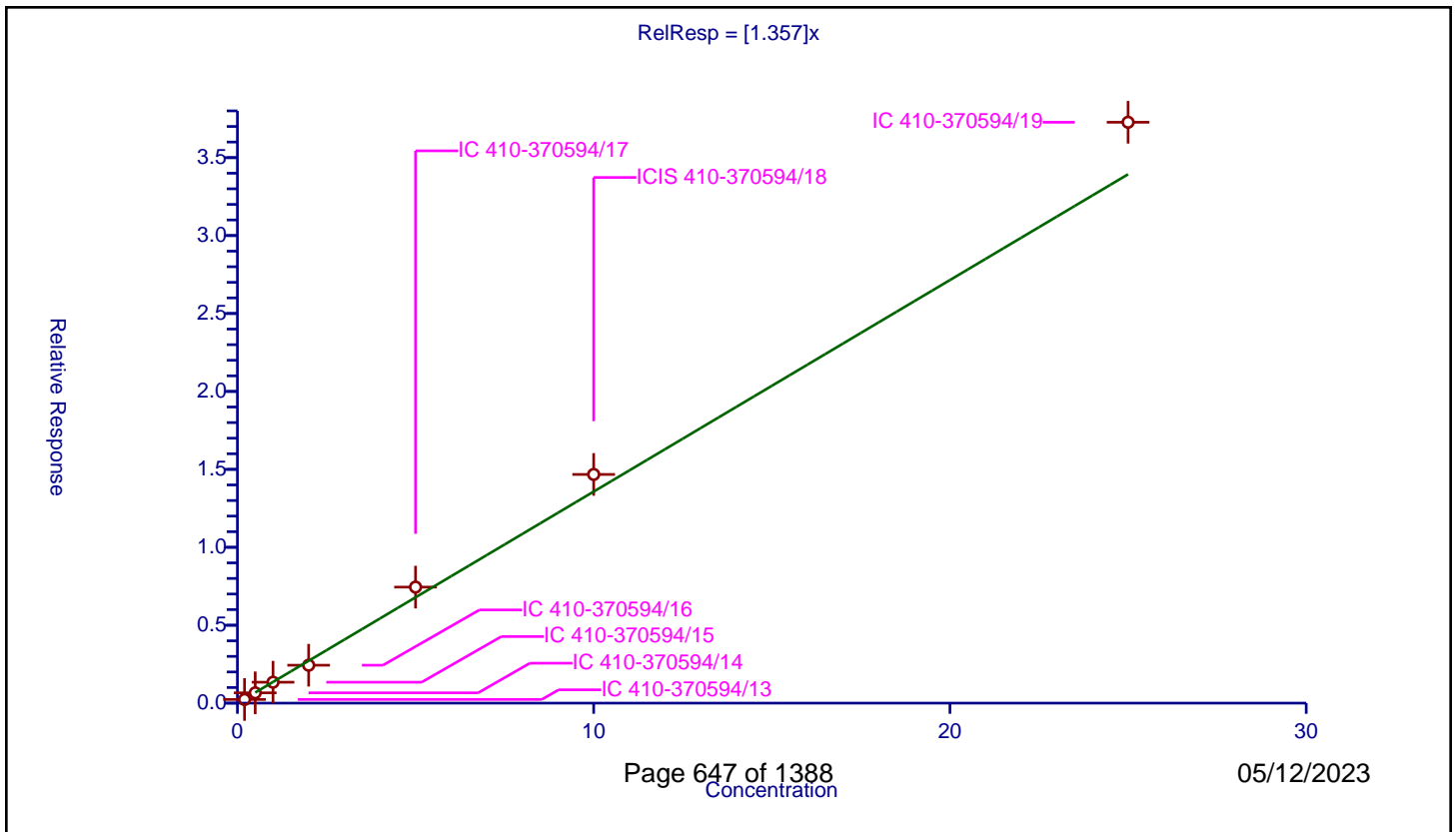
/ n-Butylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.357

Error Coefficients	
Standard Error:	1990000
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 410-370594/13	0.2	0.234726	10.0	1137326.0	1.17363	Y
2	IC 410-370594/14	0.5	0.660803	10.0	1130639.0	1.321607	Y
3	IC 410-370594/15	1.0	1.342081	10.0	1158894.0	1.342081	Y
4	IC 410-370594/16	2.0	2.432544	10.0	1146421.0	1.216272	Y
5	IC 410-370594/17	5.0	7.445477	10.0	1147138.0	1.489095	Y
6	ICIS 410-370594/18	10.0	14.673833	10.0	1160831.0	1.467383	Y
7	IC 410-370594/19	25.0	37.270046	10.0	1202079.0	1.490802	Y



Calibration

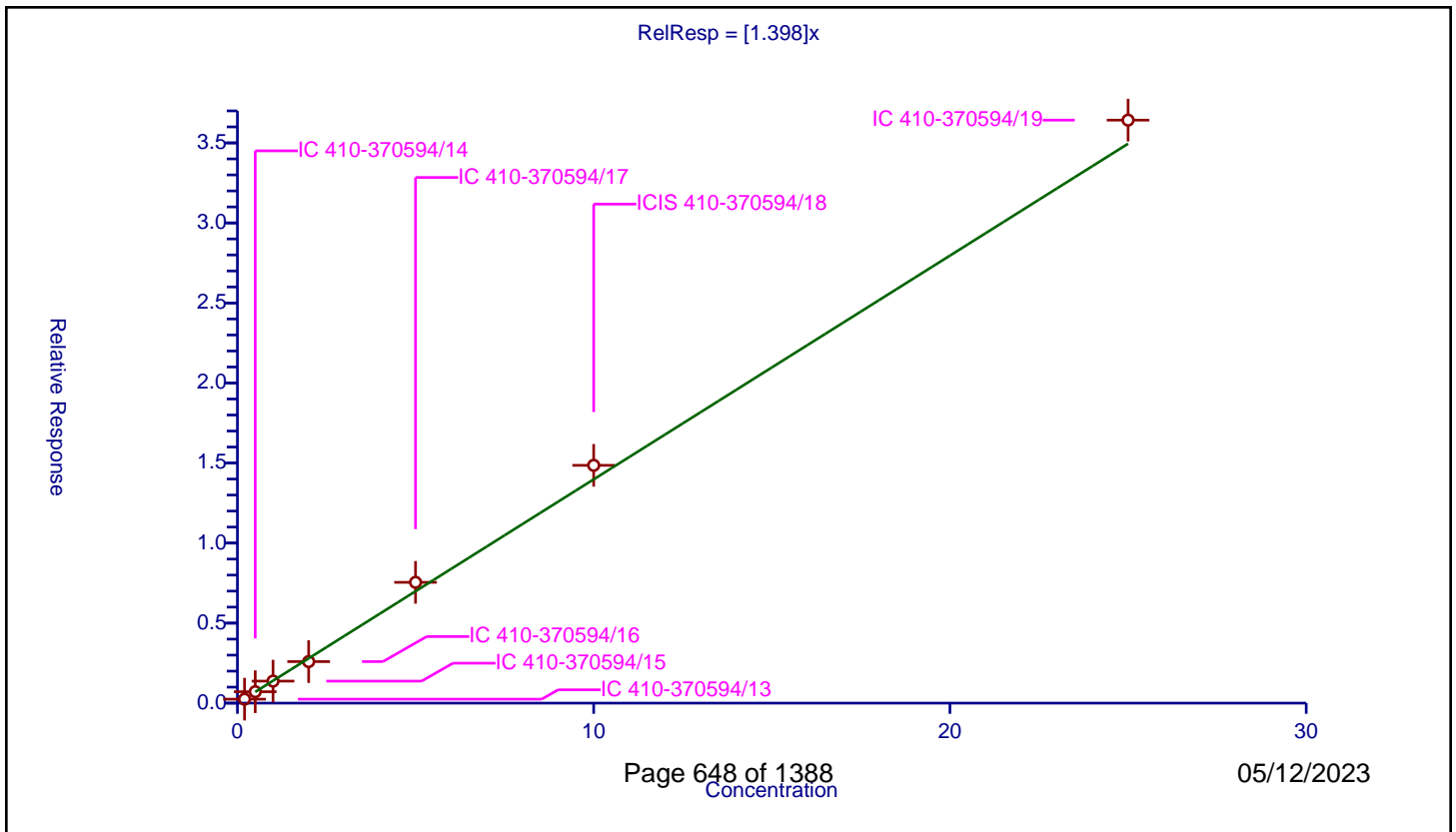
/ 1,2-Dichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.398

Error Coefficients	
Standard Error:	1960000
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	0.24715	10.0	1137326.0	1.235749	Y
2	IC 410-370594/14	0.5	0.712429	10.0	1130639.0	1.424858	Y
3	IC 410-370594/15	1.0	1.37582	10.0	1158894.0	1.37582	Y
4	IC 410-370594/16	2.0	2.594588	10.0	1146421.0	1.297294	Y
5	IC 410-370594/17	5.0	7.545945	10.0	1147138.0	1.509189	Y
6	ICIS 410-370594/18	10.0	14.857098	10.0	1160831.0	1.48571	Y
7	IC 410-370594/19	25.0	36.42249	10.0	1202079.0	1.4569	Y



Calibration

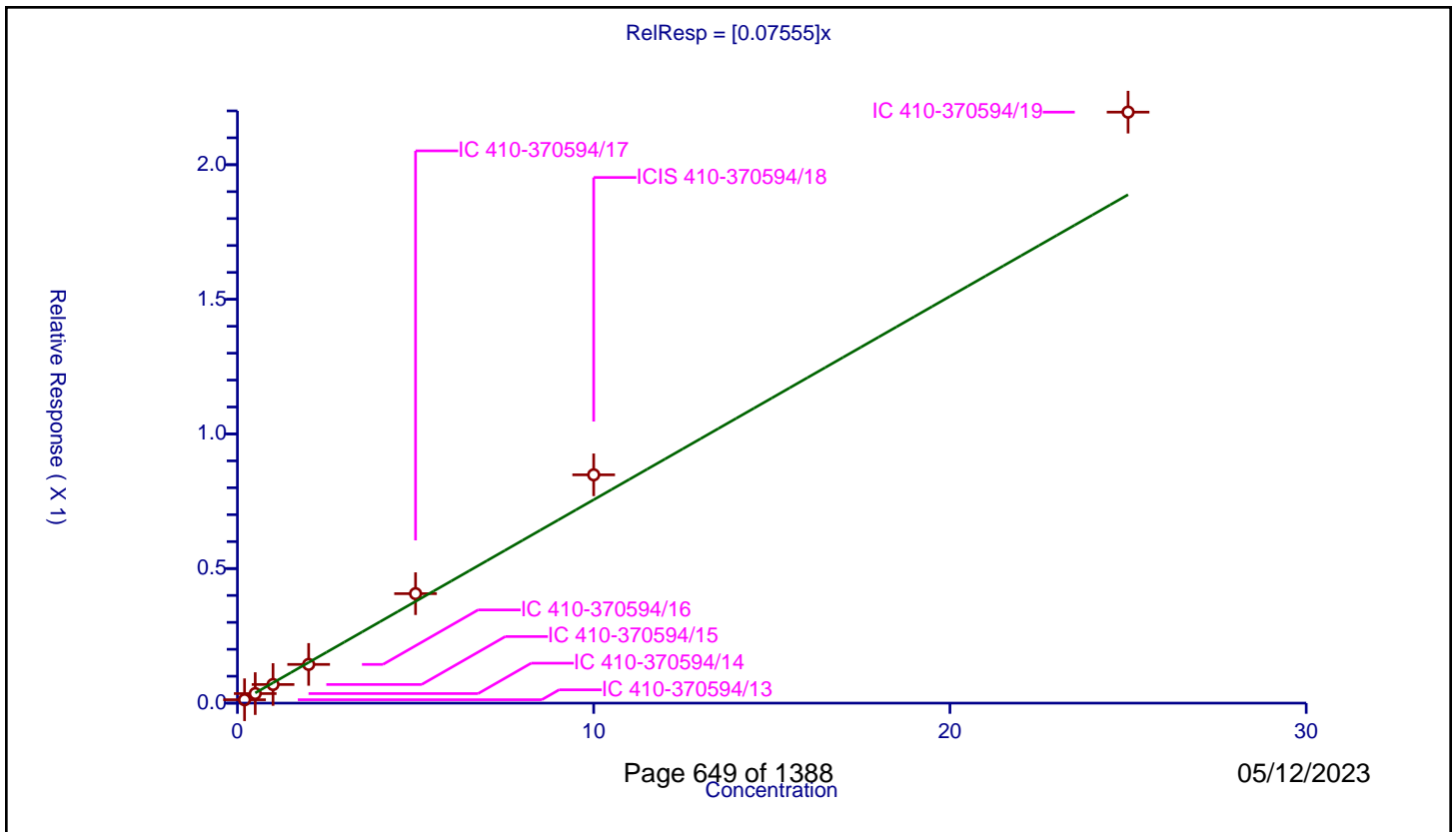
/ 1,2-Dibromo-3-Chloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.07555

Error Coefficients	
Standard Error:	117000
Relative Standard Error:	12.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	0.012565	10.0	1137326.0	0.062823	Y
2	IC 410-370594/14	0.5	0.035484	10.0	1130639.0	0.070969	Y
3	IC 410-370594/15	1.0	0.069221	10.0	1158894.0	0.069221	Y
4	IC 410-370594/16	2.0	0.143795	10.0	1146421.0	0.071898	Y
5	IC 410-370594/17	5.0	0.40669	10.0	1147138.0	0.081338	Y
6	ICIS 410-370594/18	10.0	0.848091	10.0	1160831.0	0.084809	Y
7	IC 410-370594/19	25.0	2.195338	10.0	1202079.0	0.087814	Y



Calibration

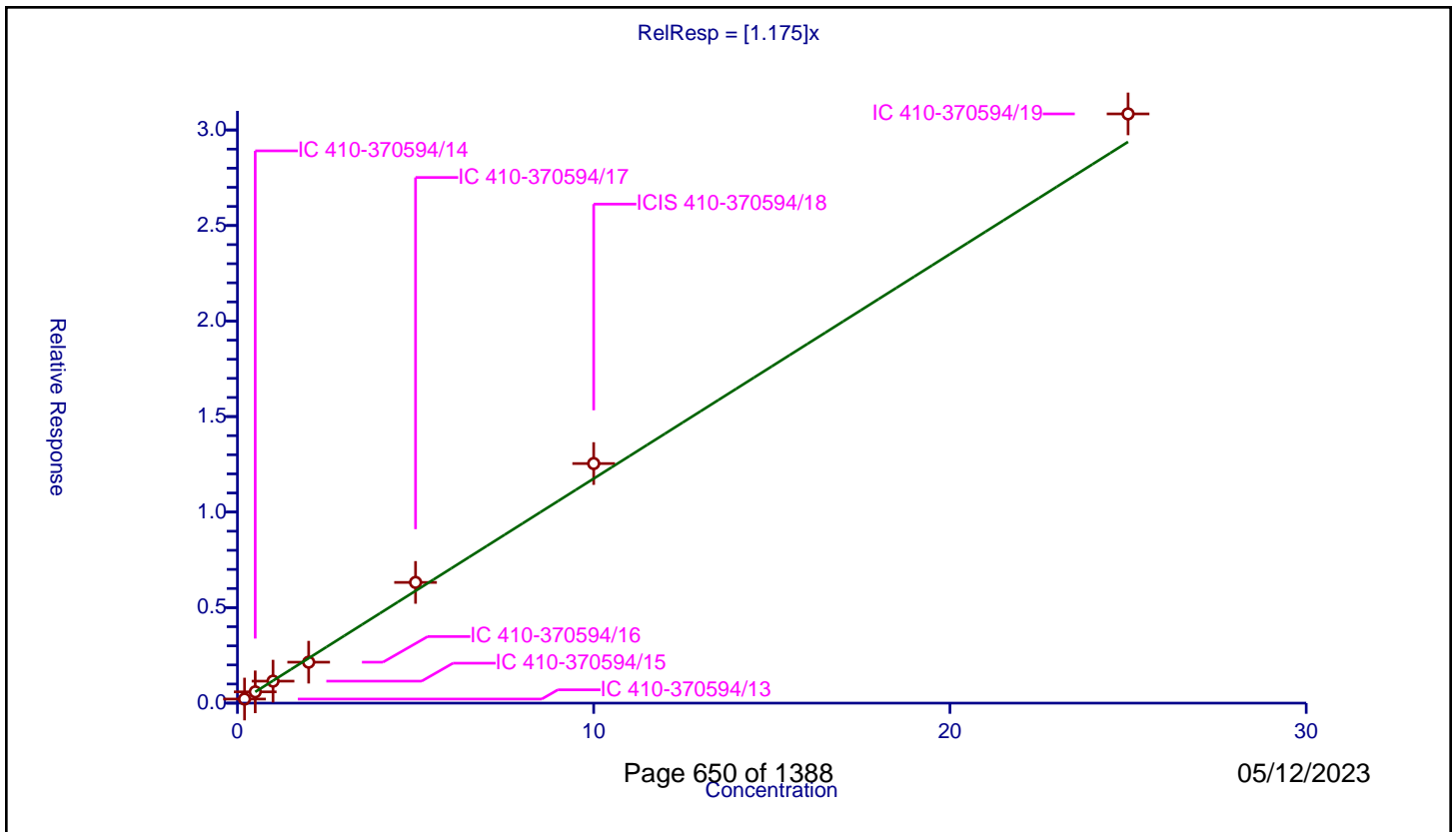
/ 1,3,5-Trichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.175

Error Coefficients	
Standard Error:	1660000
Relative Standard Error:	6.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	0.214231	10.0	1137326.0	1.071153	Y
2	IC 410-370594/14	0.5	0.590356	10.0	1130639.0	1.180713	Y
3	IC 410-370594/15	1.0	1.151046	10.0	1158894.0	1.151046	Y
4	IC 410-370594/16	2.0	2.143619	10.0	1146421.0	1.07181	Y
5	IC 410-370594/17	5.0	6.319275	10.0	1147138.0	1.263855	Y
6	ICIS 410-370594/18	10.0	12.540206	10.0	1160831.0	1.254021	Y
7	IC 410-370594/19	25.0	30.842715	10.0	1202079.0	1.233709	Y



Calibration

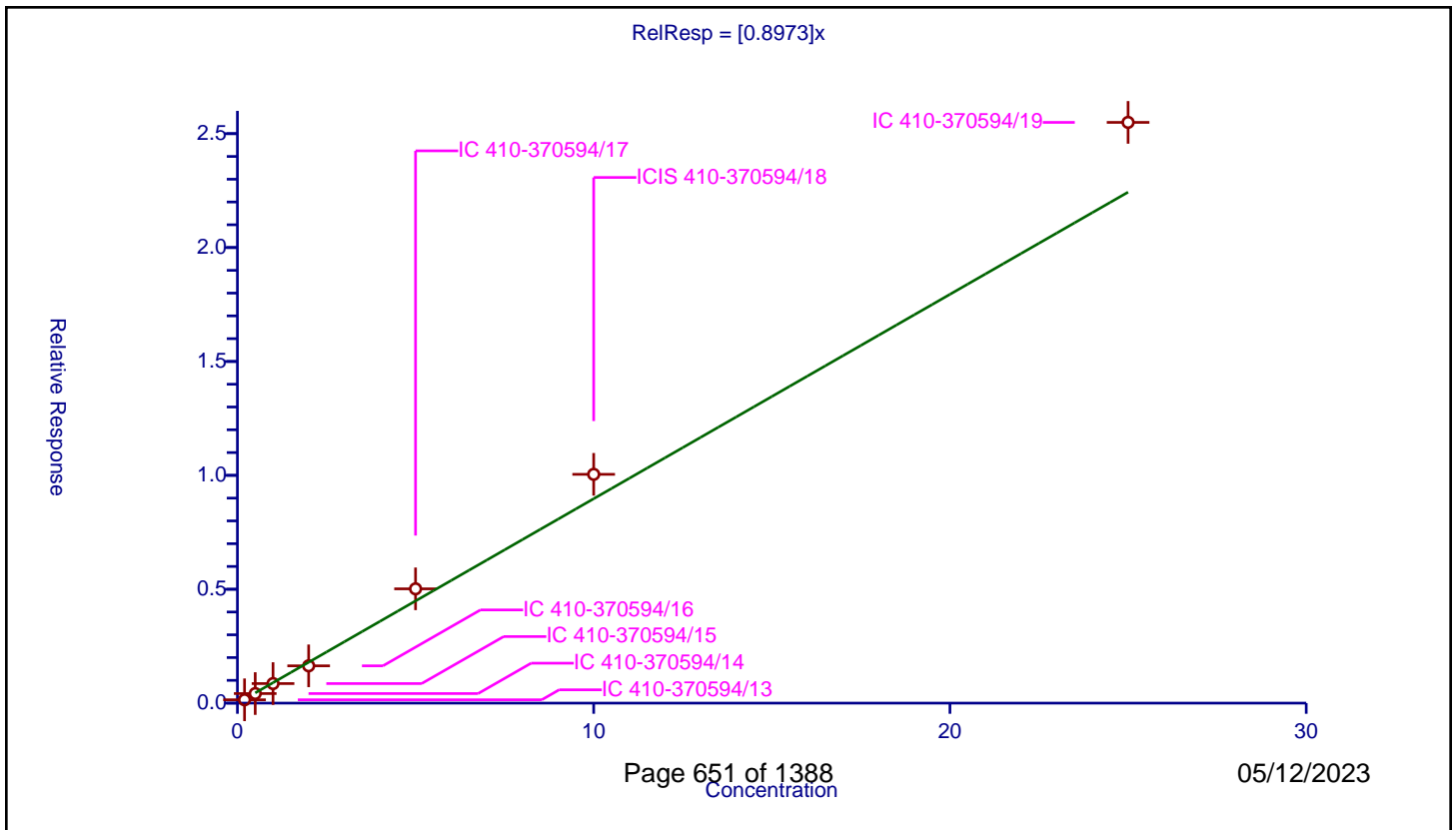
/ 1,2,4-Trichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.8973

Error Coefficients	
Standard Error:	1360000
Relative Standard Error:	12.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	0.147143	10.0	1137326.0	0.735717	Y
2	IC 410-370594/14	0.5	0.420108	10.0	1130639.0	0.840215	Y
3	IC 410-370594/15	1.0	0.858525	10.0	1158894.0	0.858525	Y
4	IC 410-370594/16	2.0	1.637784	10.0	1146421.0	0.818892	Y
5	IC 410-370594/17	5.0	5.018263	10.0	1147138.0	1.003653	Y
6	ICIS 410-370594/18	10.0	10.043891	10.0	1160831.0	1.004389	Y
7	IC 410-370594/19	25.0	25.494988	10.0	1202079.0	1.0198	Y



Calibration

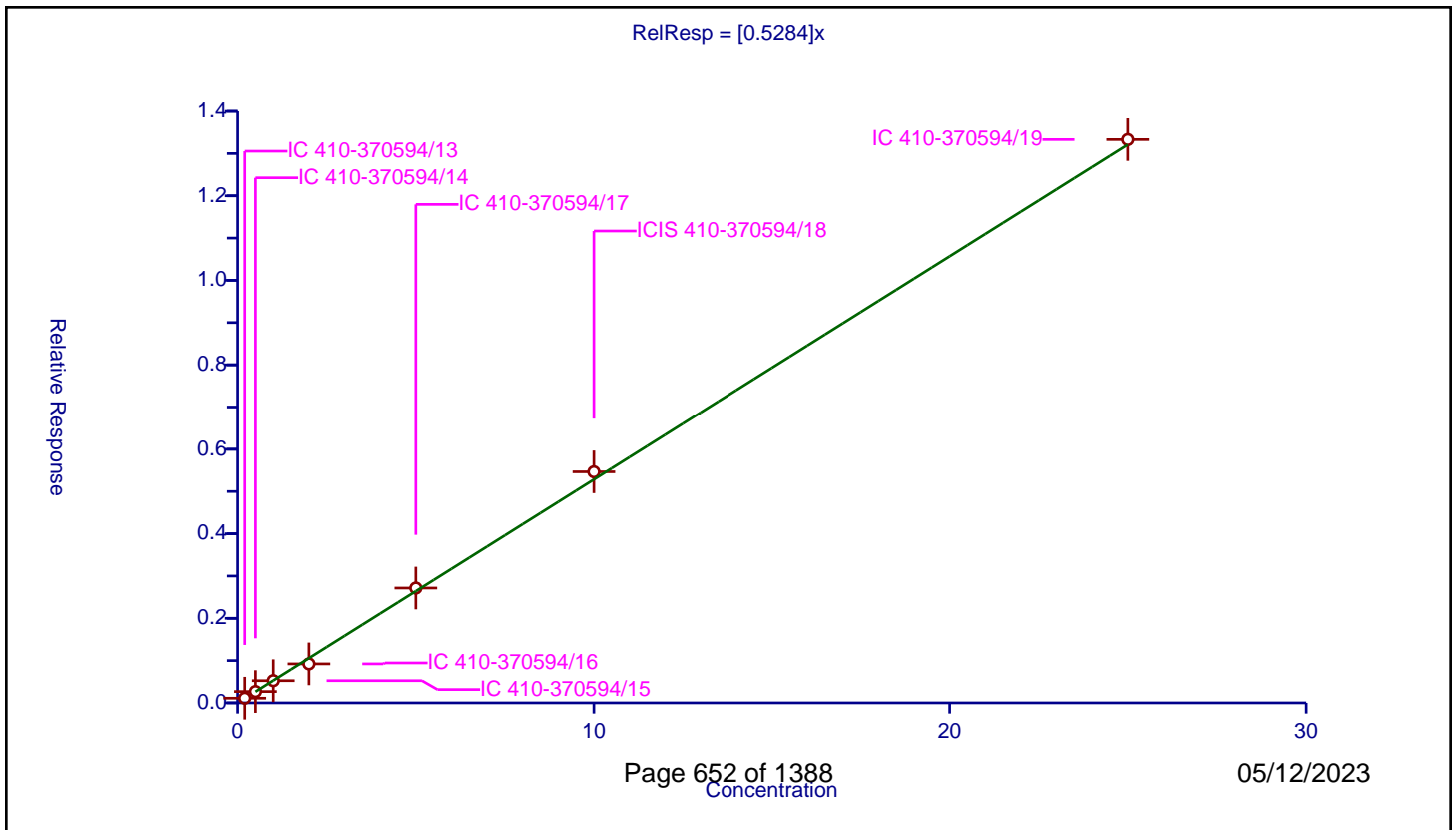
/ Hexachlorobutadiene

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

Curve Coefficients	
Intercept:	0
Slope:	0.5284

Error Coefficients	
Standard Error:	717000
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 410-370594/13	0.2	0.111024	10.0	1137326.0	0.555118	Y
2	IC 410-370594/14	0.5	0.26761	10.0	1130639.0	0.535219	Y
3	IC 410-370594/15	1.0	0.524474	10.0	1158894.0	0.524474	Y
4	IC 410-370594/16	2.0	0.92207	10.0	1146421.0	0.461035	Y
5	IC 410-370594/17	5.0	2.715907	10.0	1147138.0	0.543181	Y
6	ICIS 410-370594/18	10.0	5.465955	10.0	1160831.0	0.546595	Y
7	IC 410-370594/19	25.0	13.331187	10.0	1202079.0	0.533247	Y



Calibration

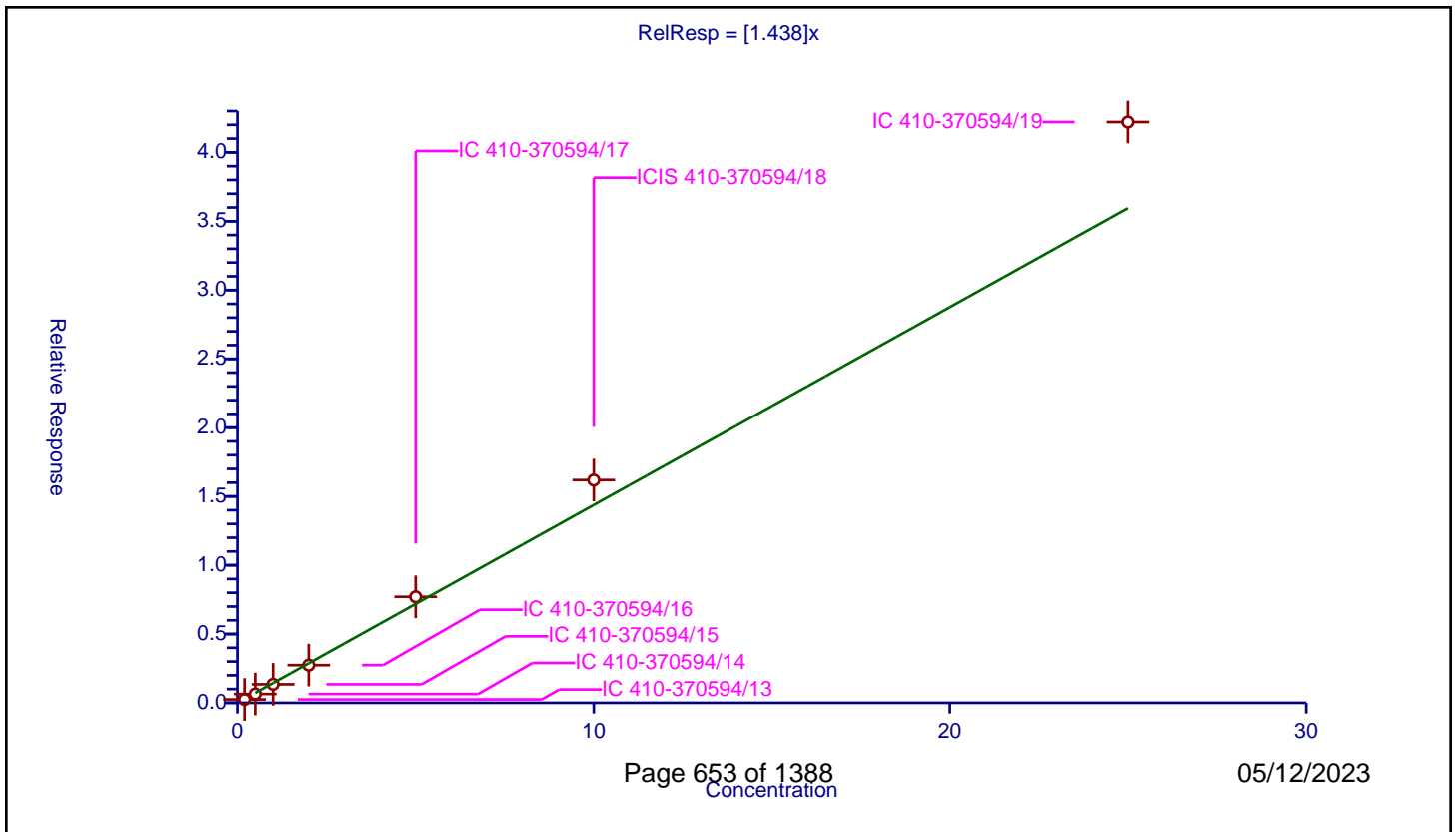
/ Naphthalene

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

Curve Coefficients	
Intercept:	0
Slope:	1.438

Error Coefficients	
Standard Error:	2240000
Relative Standard Error:	12.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	0.244336	10.0	1137326.0	1.221681	Y
2	IC 410-370594/14	0.5	0.640549	10.0	1130639.0	1.281099	Y
3	IC 410-370594/15	1.0	1.344868	10.0	1158894.0	1.344868	Y
4	IC 410-370594/16	2.0	2.7395	10.0	1146421.0	1.36975	Y
5	IC 410-370594/17	5.0	7.70678	10.0	1147138.0	1.541356	Y
6	ICIS 410-370594/18	10.0	16.190186	10.0	1160831.0	1.619019	Y
7	IC 410-370594/19	25.0	42.203125	10.0	1202079.0	1.688125	Y



Calibration

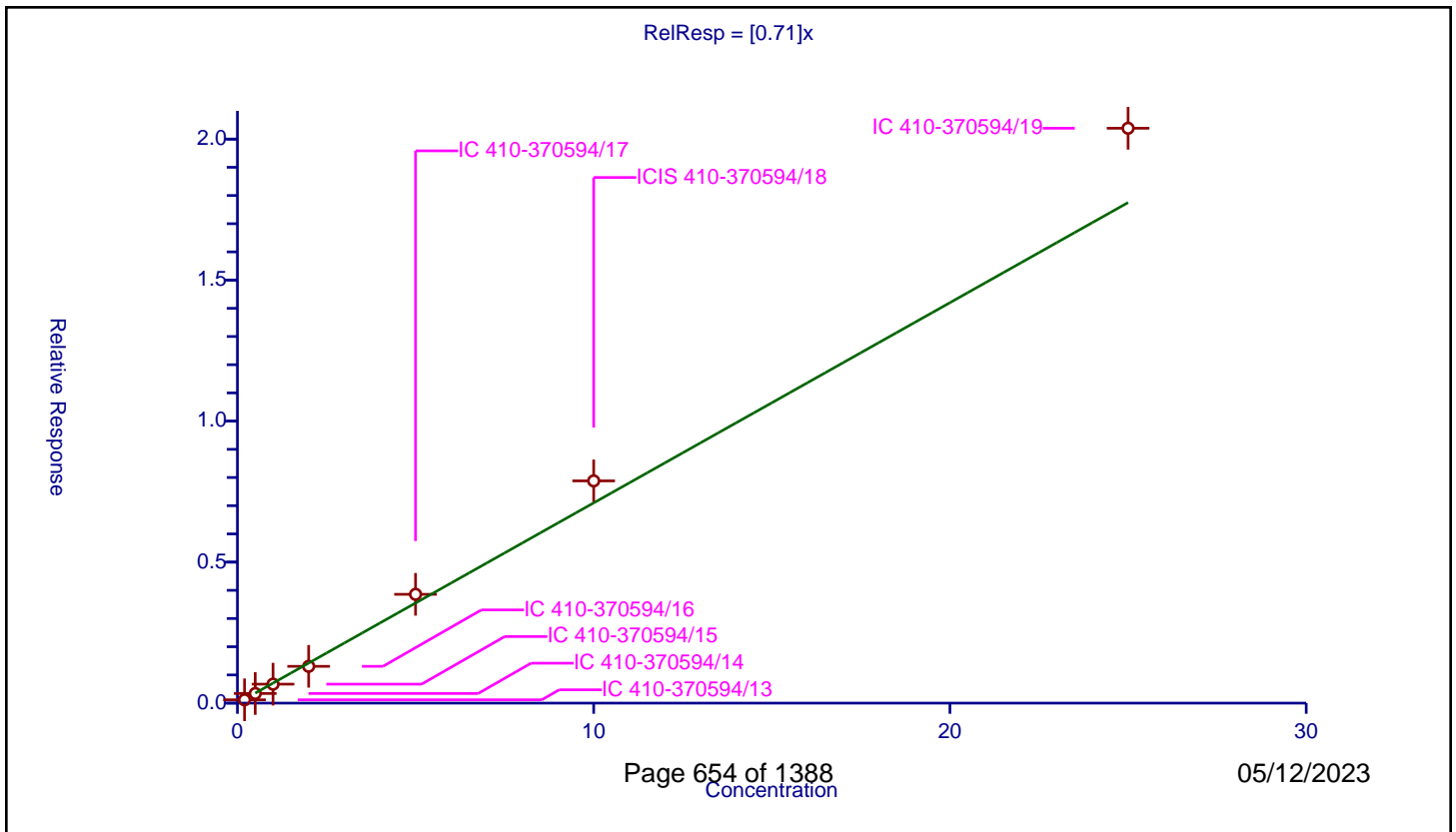
/ 1,2,3-Trichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.71

Error Coefficients	
Standard Error:	1090000
Relative Standard Error:	11.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-370594/13	0.2	0.117521	10.0	1137326.0	0.587606	Y
2	IC 410-370594/14	0.5	0.340958	10.0	1130639.0	0.681915	Y
3	IC 410-370594/15	1.0	0.672952	10.0	1158894.0	0.672952	Y
4	IC 410-370594/16	2.0	1.304625	10.0	1146421.0	0.652313	Y
5	IC 410-370594/17	5.0	3.858402	10.0	1147138.0	0.77168	Y
6	ICIS 410-370594/18	10.0	7.880734	10.0	1160831.0	0.788073	Y
7	IC 410-370594/19	25.0	20.384276	10.0	1202079.0	0.815371	Y



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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-124489-1 Analy Batch No.: 366140
 Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2023 18:20 Calibration End Date: 04/19/2023 20:21 Calibration ID: 49523

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-366140/3	HA19X02.D
Level 2	IC 410-366140/4	HA19X03.D
Level 3	IC 410-366140/5	HA19X04.D
Level 4	IC 410-366140/6	HA19X05.D
Level 5	IC 410-366140/7	copy_HA19X06.D
Level 6	IC 410-366140/8	HA19X07.D
Level 7	IC 410-366140/9	HA19X08.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 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
Chlorodifluoromethane	0.5121 0.3872	0.3728 0.4053	0.3825	0.4175	0.3991	Ave		0.410 9			11.4		20.0				
Methoxymethane	0.4776 0.3370	0.3611 0.3518	0.2937	0.3798	0.3714	Ave		0.367 5			15.3		20.0				
Acetonitrile	0.0520 0.0093	0.0280 0.0084	0.0228	0.0157	0.0106	Ave		0.021 0			74.0	*	20.0				
Vinyl acetate	0.3784 0.3058	0.2574 0.3632	0.2795	0.3280	0.3380	Ave		0.321 5			13.6		20.0				
Ethyl acetate	0.1661 0.1201	0.1170 0.1326	0.1124	0.1283	0.1222	Ave		0.128 4			14.0		20.0				
2-Chloroethyl vinyl ether	0.0643 0.0844	0.0688 0.0843	0.0732	0.0818	0.0807	Ave		0.076 8			10.4		20.0				
cis-1,4-Dichloro-2-butene	++++ 0.0031	++++ 0.0032	0.0023	0.0029	0.0029	Ave		0.002 9			12.6		20.0				
Cyclohexanone	0.2509 0.2817	0.2828 0.2928	0.3091	0.2742	0.2920	Ave		0.283 4			6.4		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environ Job No.: 410-124489-1 Analy Batch No.: 366140

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2023 18:20 Calibration End Date: 04/19/2023 20:21 Calibration ID: 49523

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-366140/3	HA19X02.D
Level 2	IC 410-366140/4	HA19X03.D
Level 3	IC 410-366140/5	HA19X04.D
Level 4	IC 410-366140/6	HA19X05.D
Level 5	IC 410-366140/7	copy_HA19X06.D
Level 6	IC 410-366140/8	HA19X07.D
Level 7	IC 410-366140/9	HA19X08.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7				LVL 6	LVL 7			
Chlorodifluoromethane	FB	Ave	19677 754882	35909 1959762	74280	160734	384125	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methoxymethane	FB	Ave	18350 656960	34787 1701246	57019	146201	357410	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetonitrile	FB	Ave	9990 90387	13473 203071	22125	30301	50892	1.00 50.0	2.50 125	5.00	10.0	25.0
Vinyl acetate	FB	Ave	14538 596296	24798 1756163	54272	126294	325318	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl acetate	FB	Ave	6383 234222	11273 641091	21827	49390	117641	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloroethyl vinyl ether	FB	Ave	2472 164459	6627 407741	14220	31490	77690	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,4-Dichloro-2-butene	CBZd 5	Ave	++++ 8889	++++ 22570	637	1639	4100	++++ 20.0	++++ 50.0	2.00	4.00	10.0
Cyclohexanone	TBAd 10	Ave	2889 136922	9006 417463	21458	36220	90698	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 Enviro Job No.: 410-124489-1 Analy Batch No.: 366140

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2023 18:20 Calibration End Date: 04/19/2023 20:21 Calibration ID: 49523

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-366140/3	HA19X02.D
Level 2	IC 410-366140/4	HA19X03.D
Level 3	IC 410-366140/5	HA19X04.D
Level 4	IC 410-366140/6	HA19X05.D
Level 5	IC 410-366140/7	copy_HA19X06.D
Level 6	IC 410-366140/8	HA19X07.D
Level 7	IC 410-366140/9	HA19X08.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	24.6 -1.4	-9.3	-6.9	1.6	-2.9	-5.8	50 30	30	30	30	30	30
Methoxymethane	30.0 -4.2	-1.7	-20.1	3.3	1.1	-8.3	50 30	30	30	30	30	30
Acetonitrile	148.0 * -59.9 *	33.4 *	8.7	-24.9	-49.6 *	-55.8 *	50 30	30	30	30	30	30
Vinyl acetate	17.7 13.0	-19.9	-13.1	2.0	5.1	-4.9	50 30	30	30	30	30	30
Ethyl acetate	29.4 3.3	-8.9	-12.5	-0.1	-4.8	-6.4	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	-16.2 9.8	-10.4	-4.6	6.5	5.1	9.8	50 30	30	30	30	30	30
cis-1,4-Dichloro-2-butene	+++++ 10.8	+++++	-21.4	1.5	1.4	7.6	30		50	30	30	30
Cyclohexanone	-11.4 3.3	-0.2	9.1	-3.2	3.1	-0.6	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X02.D
 Lims ID: IC std1 0.2
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 19-Apr-2023 18:20:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0081852-003
 Operator ID: mec29284 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub52
 Method: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 23-Apr-2023 20:34:13 Calib Date: 19-Apr-2023 23:41:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1665

First Level Reviewer: K4WN

Date: 23-Apr-2023 20:00:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.855	1.861	-0.006	81	4784	0.2000	0.1704	
3 Chlorodifluoromethane	51	1.910	1.916	-0.006	97	19677	0.2000	0.2492	M
4 Dimethyl ether	45	1.971	1.983	-0.012	13	18350	0.2000	0.2599	M
8 2-Chloro-1,1,1-Trifluoroethane	118	2.270	2.276	-0.006	34	12363	0.2000	0.1998	
25 Acetonitrile	41	4.062	3.855	0.207	22	9990	1.00	2.48	M
* 28 t-Butyl alcohol-d10 (IS)	65	4.068	4.068	0.000	19	57565	50.0	50.0	
35 Vinyl acetate	43	5.123	5.111	0.012	87	14538	0.2000	0.2354	M
45 Ethyl acetate	43	6.007	6.007	0.000	54	6383	0.2000	0.2588	M
61 Isopropyl acetate	43	7.250	7.238	0.012	93	11491	0.2000	0.2125	a
* 64 Fluorobenzene (IS)	96	7.561	7.567	-0.006	99	1921234	10.0	10.0	
75 n-Propyl acetate	61	8.573	8.561	0.012	97	1996	0.2000	0.1861	
78 2-Chloroethyl vinyl ether	63	9.110	9.104	0.006	88	2472	0.2000	0.1676	
110 n-Butyl acetate	43	10.512	10.506	0.006	96	10224	0.2000	0.2163	
* 113 Chlorobenzene-d5 (IS)	117	11.091	11.097	-0.006	86	1401277	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88		12.006				ND	ND	U
125 Cyclohexanone	55	12.036	12.042	-0.006	86	2889	10.0	8.86	
* 141 1,4-Dichlorobenzene-d4	152	12.993	12.993	0.000	95	759173	10.0	10.0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSV_CCV_V5ACE_00023	Amount Added: 0.20	Units: uL
MSV_CCV_CYC_00005	Amount Added: 1.60	Units: uL
MSV_V_SMRV4_00058	Amount Added: 1.00	Units: uL
MSV_DME_00047	Amount Added: 0.20	Units: uL
MSV_LLcentISS_00008	Amount Added: 5.00	Units: uL

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X02.D

Injection Date: 19-Apr-2023 18:20:30

Instrument ID: 19094

Operator ID: mec29284

Lims ID: IC std1 0.2

Worklist Smp#: 3

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

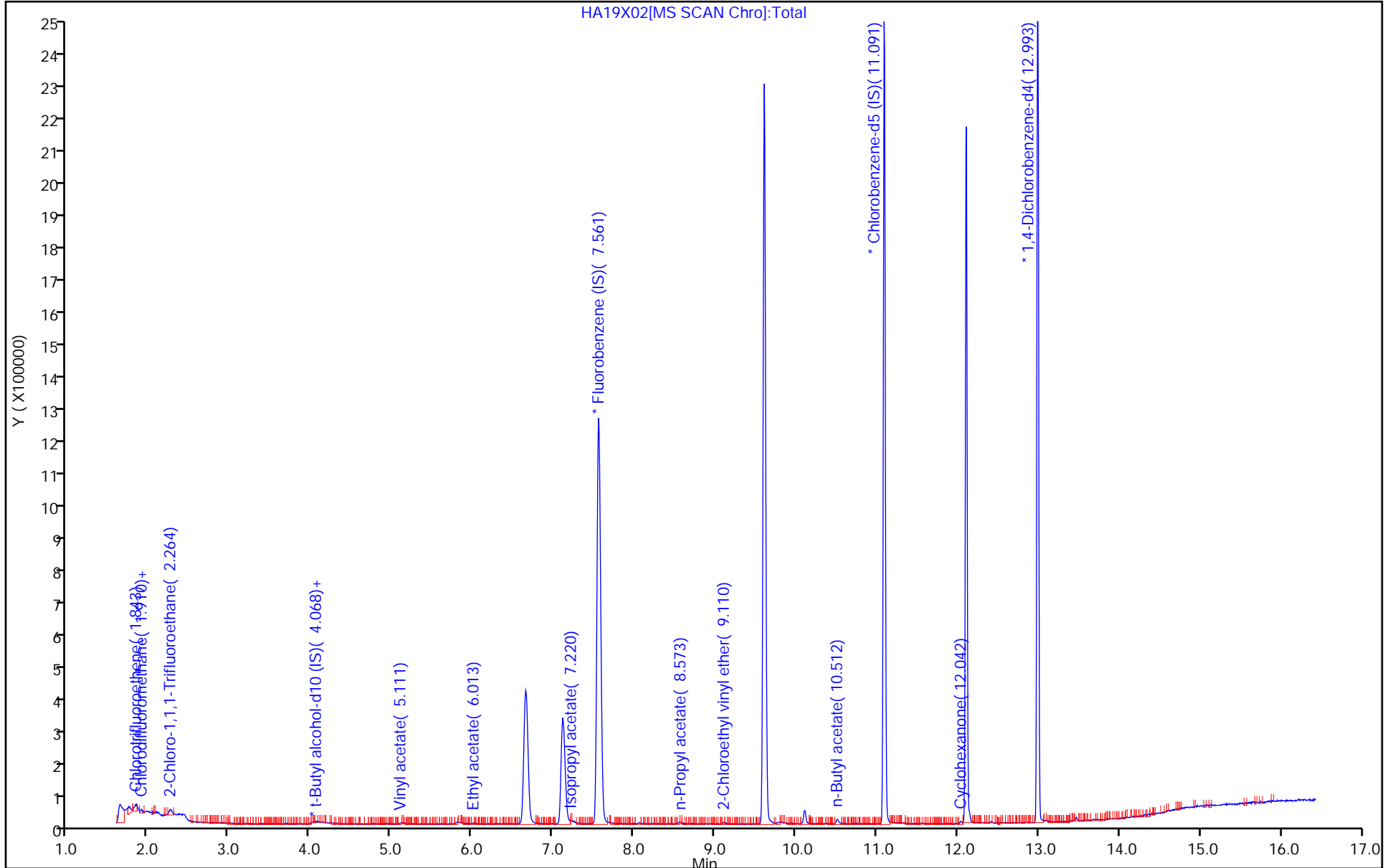
ALS Bottle#: 2

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



Eurofins Lancaster Laboratories Environment Testing, LLC

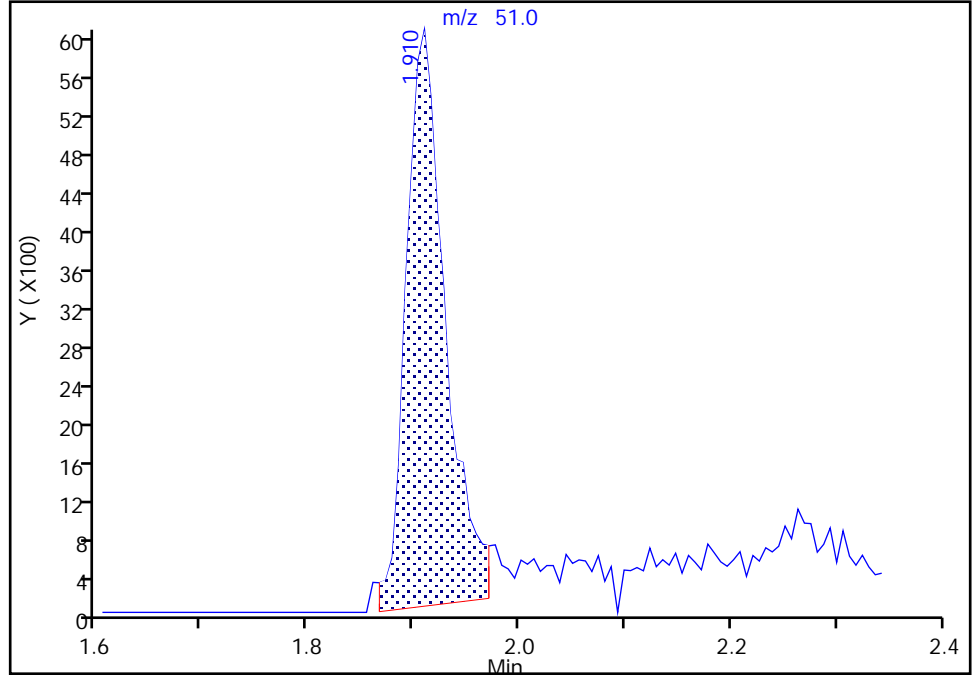
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Injection Date: 19-Apr-2023 18:20:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

3 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

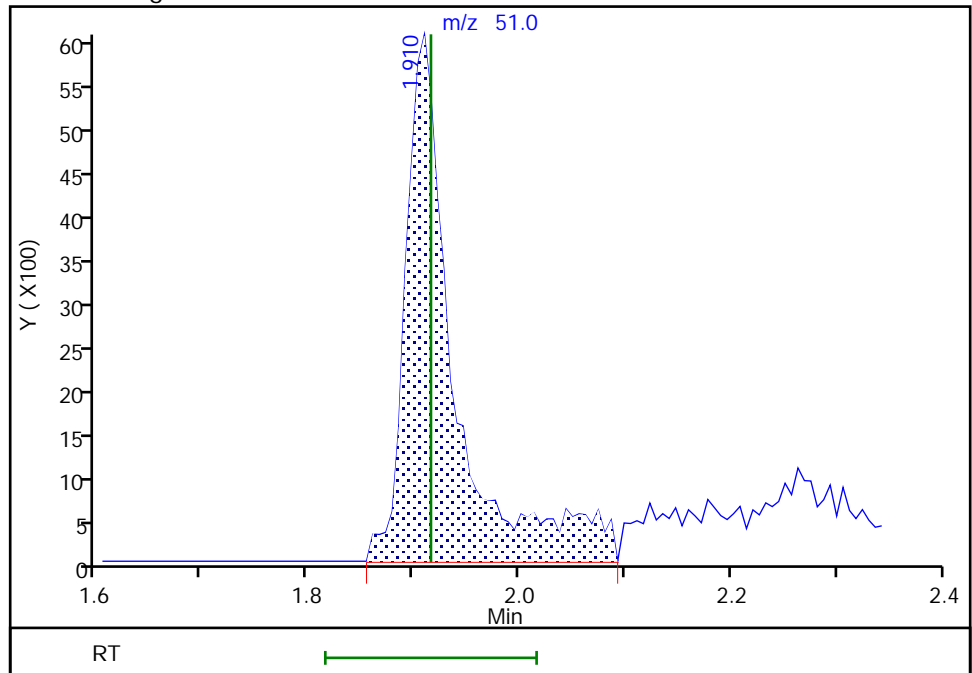
RT: 1.91
Area: 15638
Amount: 0.205591
Amount Units: ug/l

Processing Integration Results



RT: 1.91
Area: 19677
Amount: 0.249238
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:58:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

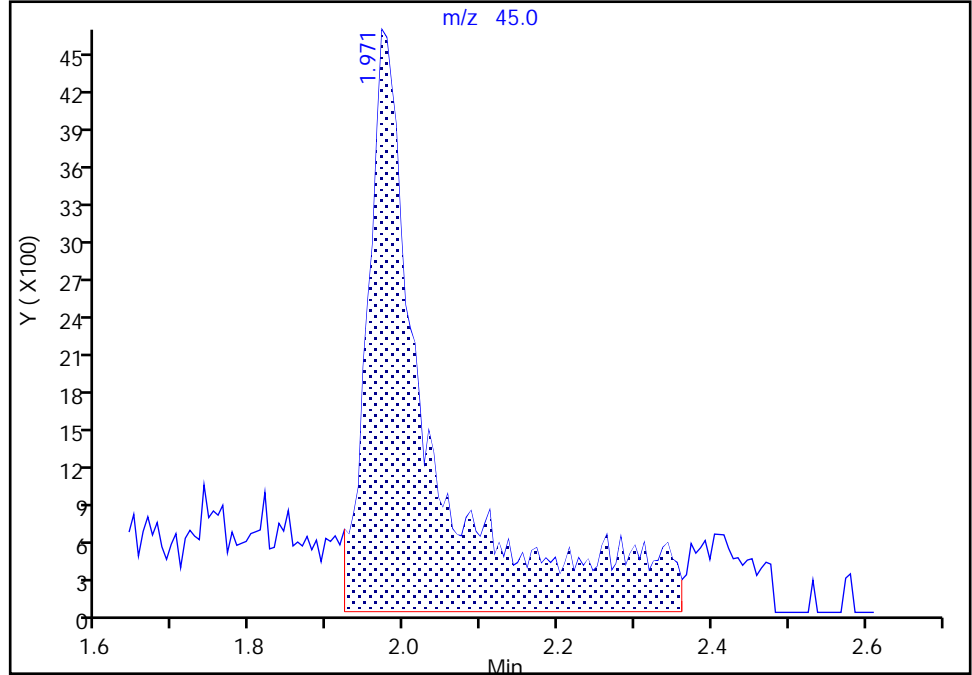
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X02.D
Injection Date: 19-Apr-2023 18:20:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

4 Dimethyl ether, CAS: 115-10-6

Signal: 1

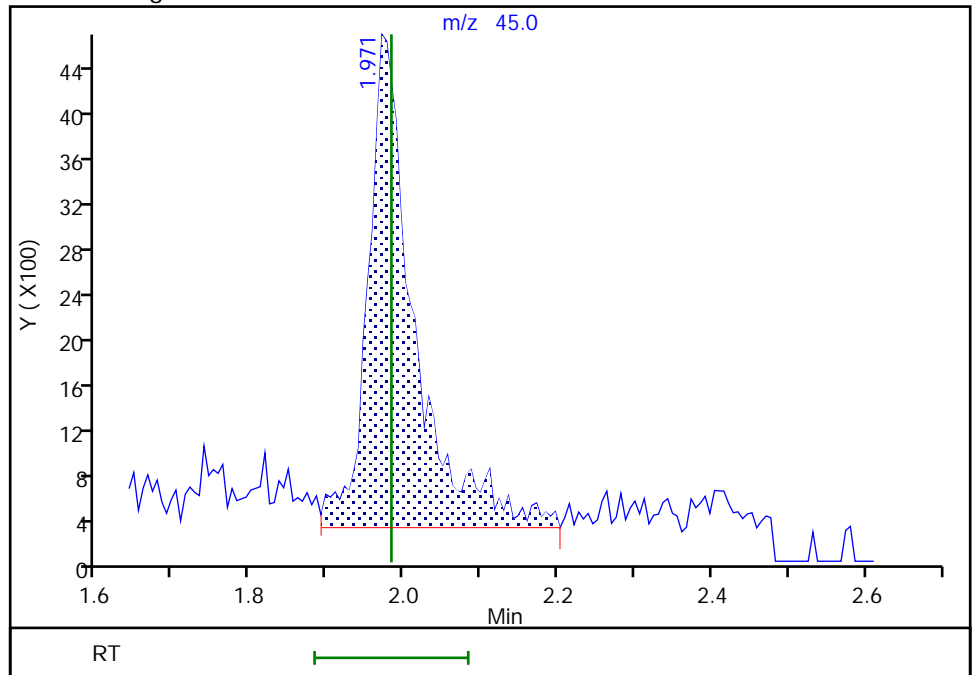
RT: 1.97
Area: 26854
Amount: 0.282170
Amount Units: ug/l

Processing Integration Results



RT: 1.97
Area: 18350
Amount: 0.259924
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:13:12
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

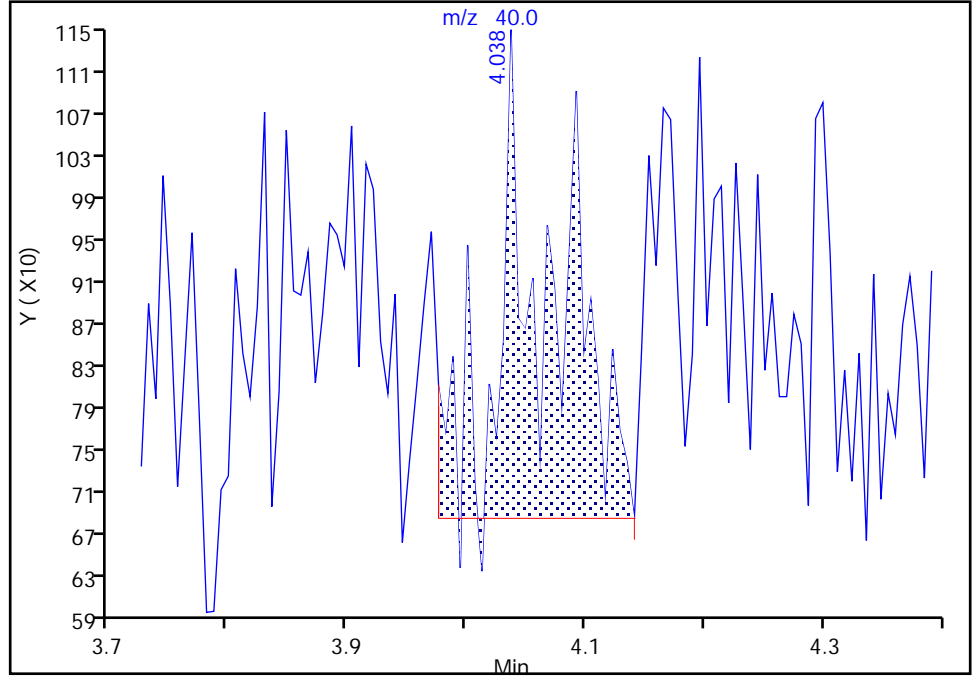
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Injection Date: 19-Apr-2023 18:20:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Acetonitrile, CAS: 75-05-8

Signal: 2

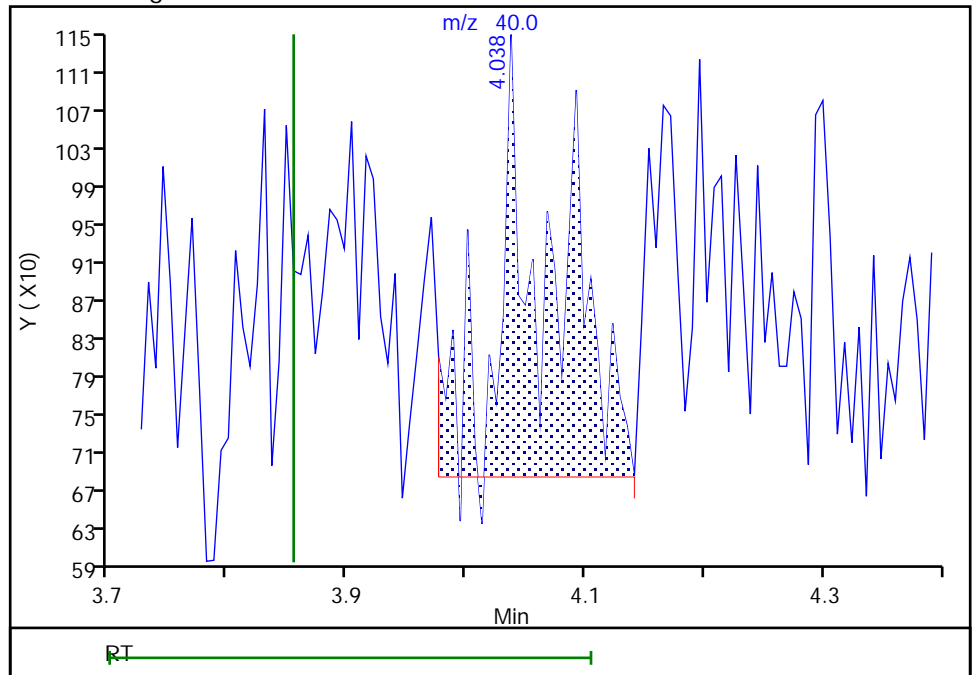
RT: 4.04
Area: 1485
Amount: 3.020323
Amount Units: ug/l

Processing Integration Results



RT: 4.04
Area: 1485
Amount: 2.480370
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:59:40
Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

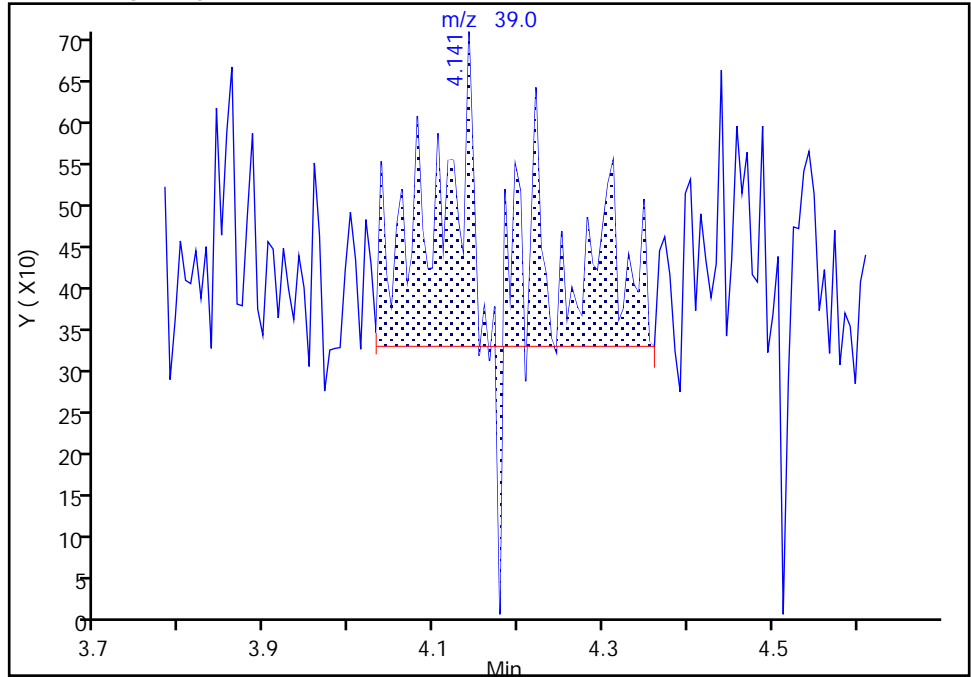
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X02.D
Injection Date: 19-Apr-2023 18:20:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Acetonitrile, CAS: 75-05-8

Signal: 3

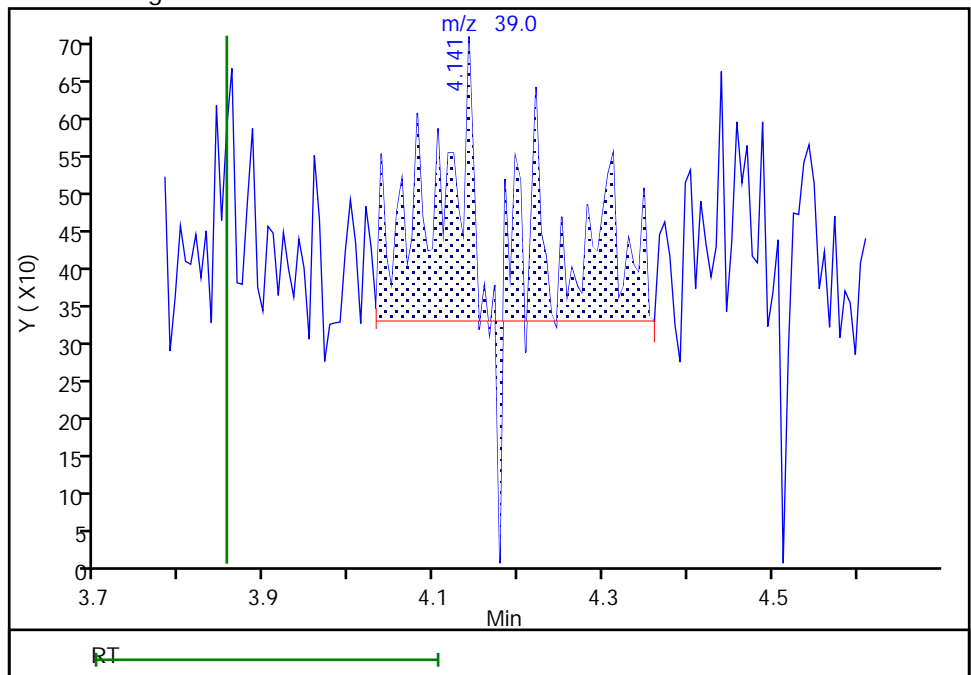
RT: 4.14
Area: 2167
Amount: 3.020323
Amount Units: ug/l

Processing Integration Results



RT: 4.14
Area: 2167
Amount: 2.480370
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:59:40
Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

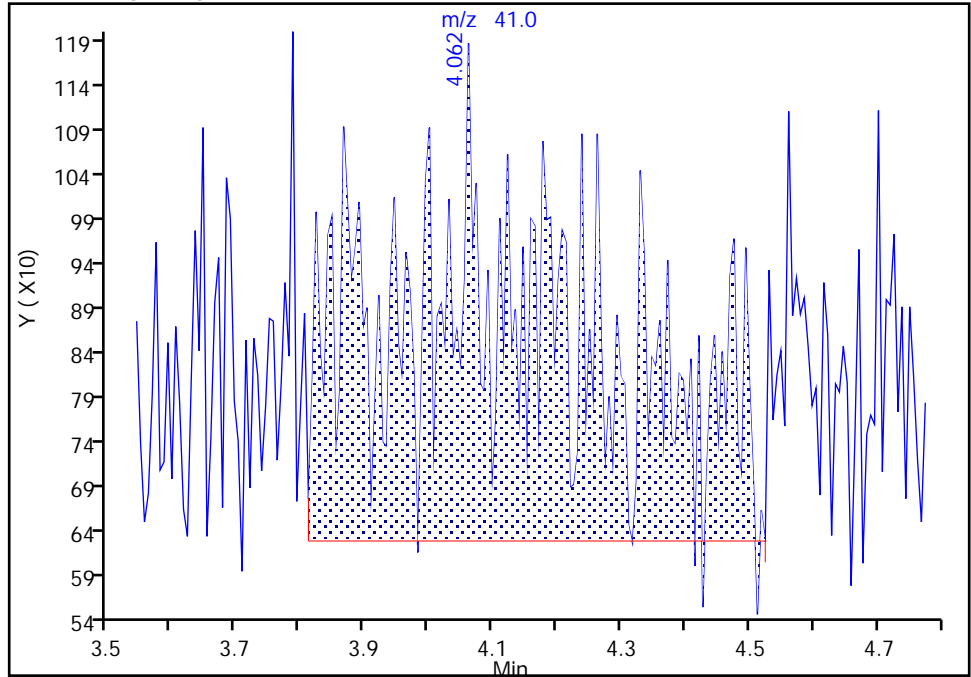
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X02.D
Injection Date: 19-Apr-2023 18:20:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

25 Acetonitrile, CAS: 75-05-8

Signal: 1

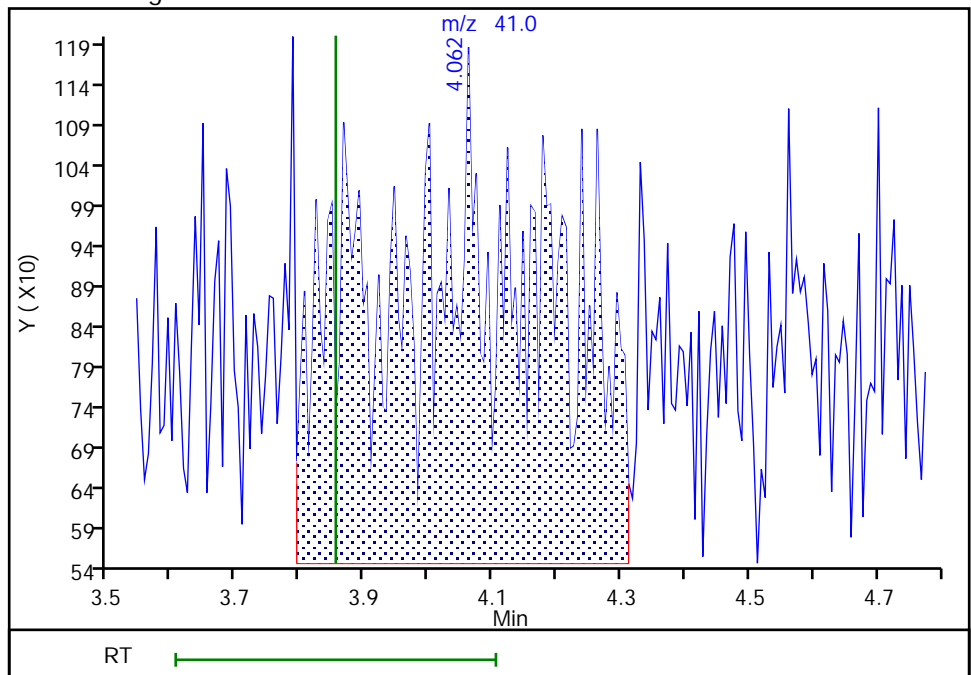
RT: 4.06
Area: 9226
Amount: 3.020323
Amount Units: ug/l

Processing Integration Results



RT: 4.06
Area: 9990
Amount: 2.480370
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:00:04

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

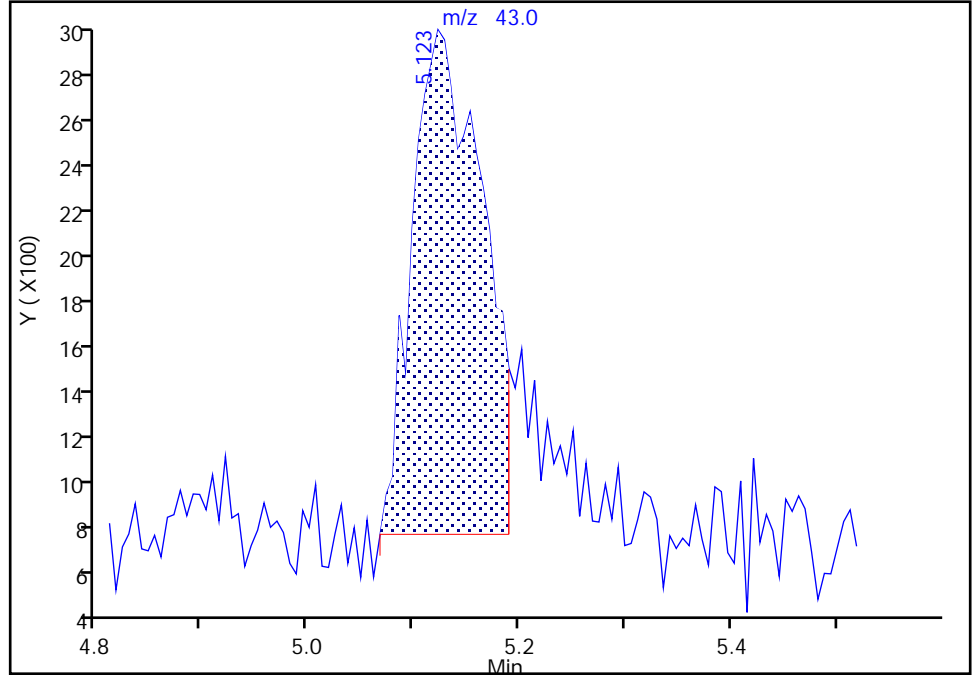
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X02.D
Injection Date: 19-Apr-2023 18:20:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

35 Vinyl acetate, CAS: 108-05-4

Signal: 1

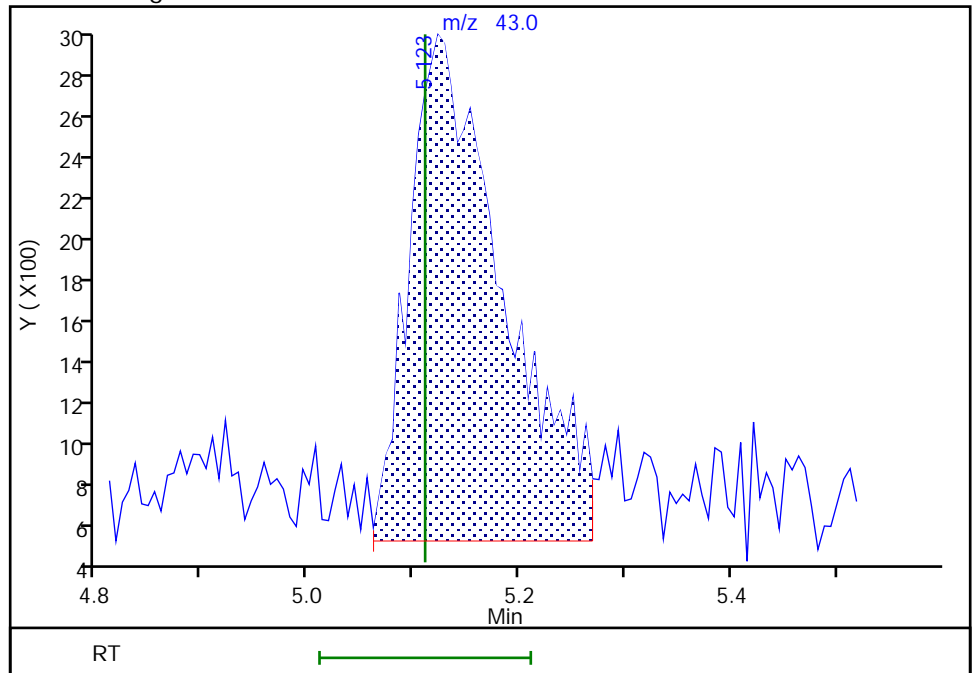
RT: 5.12
Area: 9847
Amount: 0.377709
Amount Units: ug/l

Processing Integration Results



RT: 5.12
Area: 14538
Amount: 0.235380
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:00:24
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

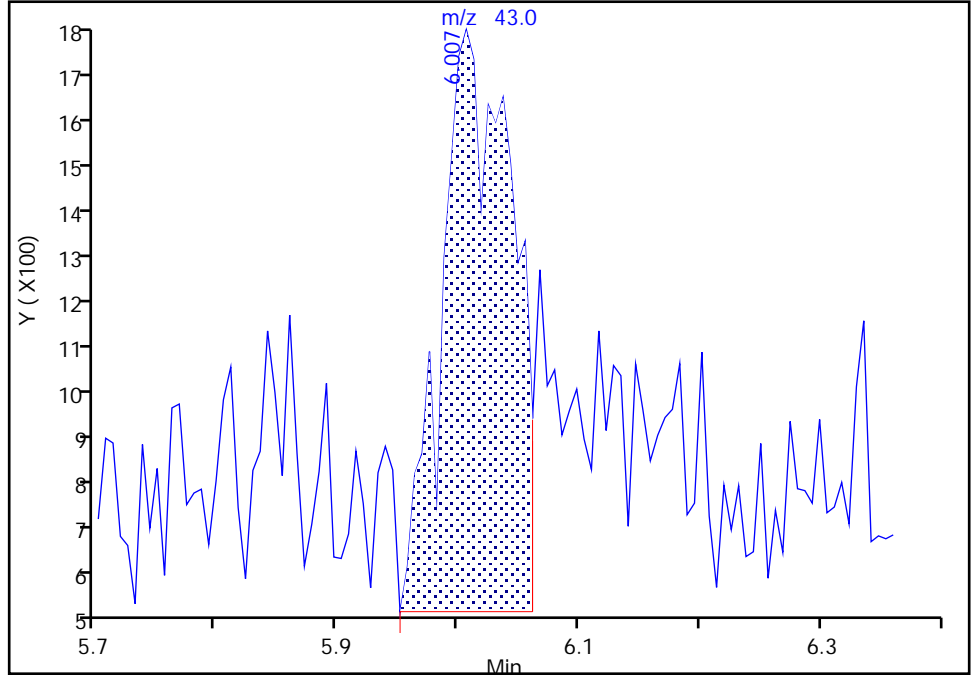
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Injection Date: 19-Apr-2023 18:20:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

45 Ethyl acetate, CAS: 141-78-6

Signal: 1

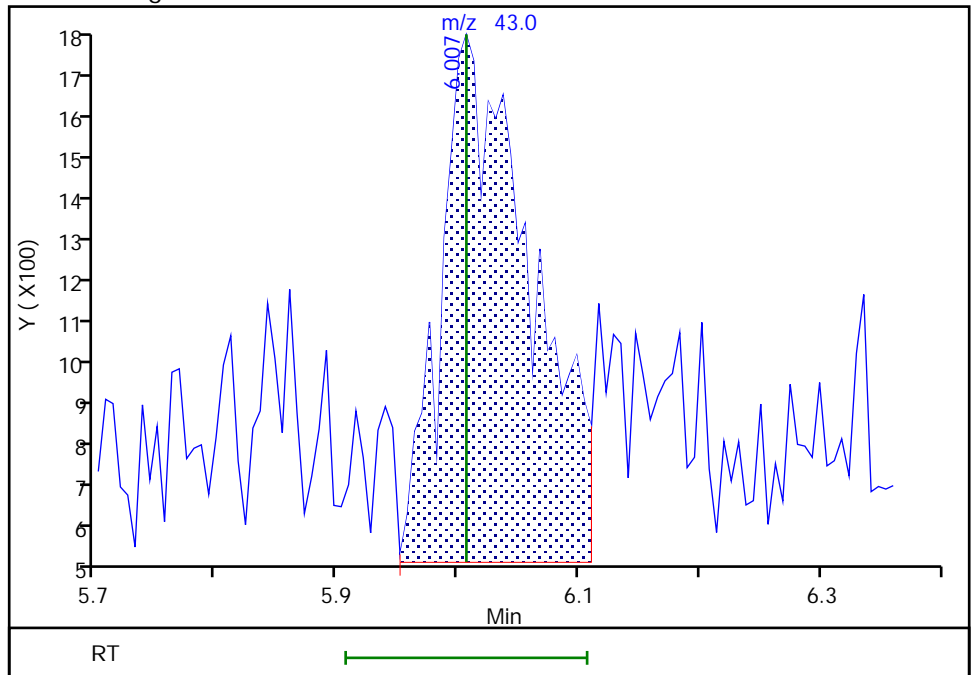
RT: 6.01
Area: 4919
Amount: 0.218744
Amount Units: ug/l

Processing Integration Results



RT: 6.01
Area: 6383
Amount: 0.258754
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:00:36
Audit Action: Assigned New Baseline

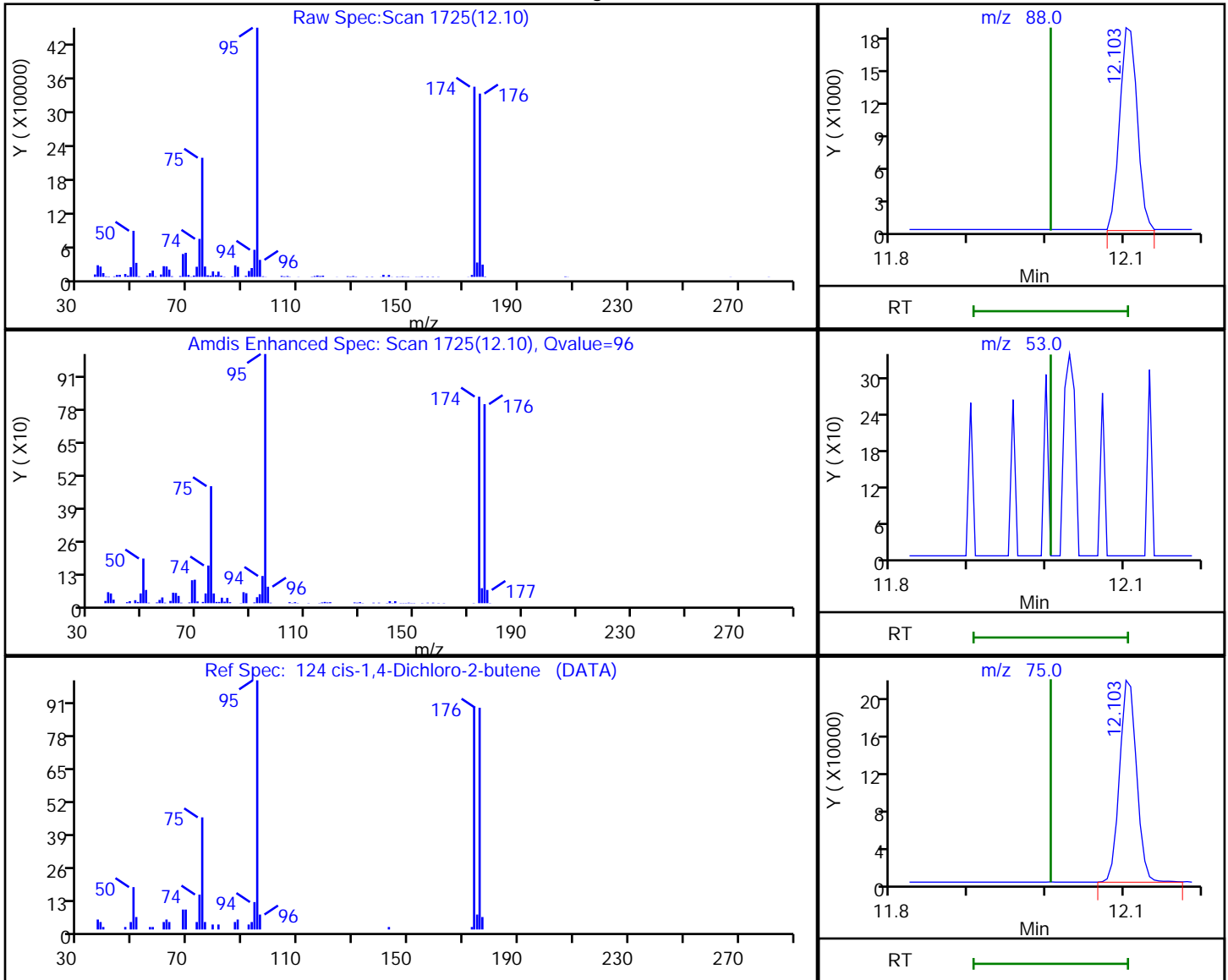
Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X02.D
 Injection Date: 19-Apr-2023 18:20:30 Instrument ID: 19094
 Lims ID: IC std1 0.2
 Client ID:
 Operator ID: mec29284 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 ID) Detector: MS Quad

124 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Processing Results



RT	Mass	Response	Amount
12.10	88.00	28207	2.333400
12.10	75.00	327430	
12.10	53.00	0	
12.10	89.00	0	

Reviewer: K4WN, 23-Apr-2023 20:11:46

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X03.D
 Lims ID: IC std2 0.5
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 19-Apr-2023 18:40:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0081852-004
 Operator ID: mec29284 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub52
 Method: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 23-Apr-2023 20:34:16 Calib Date: 19-Apr-2023 23:41:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1665

First Level Reviewer: K4WN Date: 23-Apr-2023 20:02:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.855	1.861	-0.006	93	12993	0.5000	0.4615	
3 Chlorodifluoromethane	51	1.910	1.916	-0.006	97	35909	0.5000	0.4535	
4 Dimethyl ether	45	1.971	1.983	-0.012	100	34787	0.5000	0.4914	M
8 2-Chloro-1,1,1-Trifluoroethane	118	2.270	2.276	-0.006	36	27798	0.5000	0.4480	
25 Acetonitrile	41	3.916	3.855	0.061	23	13473	2.50	3.34	M
* 28 t-Butyl alcohol-d10 (IS)	65	4.056	4.068	-0.012	19	63697	50.0	50.0	
35 Vinyl acetate	43	5.135	5.111	0.024	97	24798	0.5000	0.4004	M
45 Ethyl acetate	43	6.001	6.007	-0.006	56	11273	0.5000	0.4557	M
61 Isopropyl acetate	43	7.238	7.238	0.000	96	22500	0.5000	0.4150	
* 64 Fluorobenzene (IS)	96	7.561	7.567	-0.006	99	1926706	10.0	10.0	
75 n-Propyl acetate	61	8.561	8.561	0.000	97	4253	0.5000	0.3955	
78 2-Chloroethyl vinyl ether	63	9.110	9.104	0.006	88	6627	0.5000	0.4479	
110 n-Butyl acetate	43	10.512	10.506	0.006	99	17734	0.5000	0.3774	
* 113 Chlorobenzene-d5 (IS)	117	11.091	11.097	-0.006	86	1393375	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88		12.006				ND	ND	U
125 Cyclohexanone	55	12.042	12.042	0.000	90	9006	25.0	24.9	
* 141 1,4-Dichlorobenzene-d4	152	12.993	12.993	0.000	95	746708	10.0	10.0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

MSV_CCV_V5ACE_00023	Amount Added: 0.50	Units: uL
MSV_CCV_CYC_00005	Amount Added: 4.00	Units: uL
MSV_V_SMRV4_00058	Amount Added: 2.50	Units: uL
MSV_DME_00047	Amount Added: 0.50	Units: uL
MSV_LLcentISS_00008	Amount Added: 5.00	Units: uL

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X03.D

Injection Date: 19-Apr-2023 18:40:30

Instrument ID: 19094

Operator ID: mec29284

Lims ID: IC std2 0.5

Worklist Smp#: 4

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

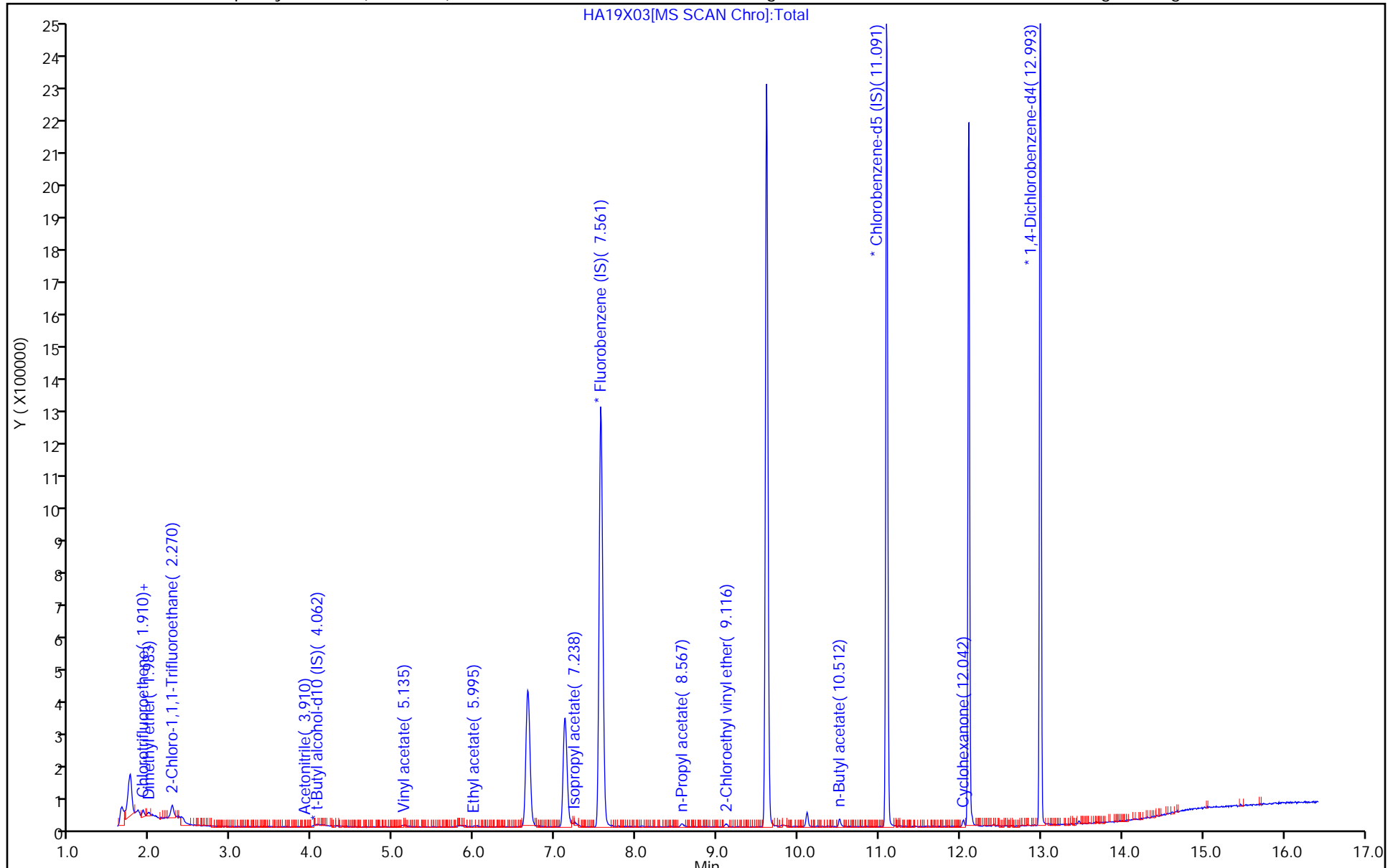
ALS Bottle#: 3

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



Euofins Lancaster Laboratories Environment Testing, LLC

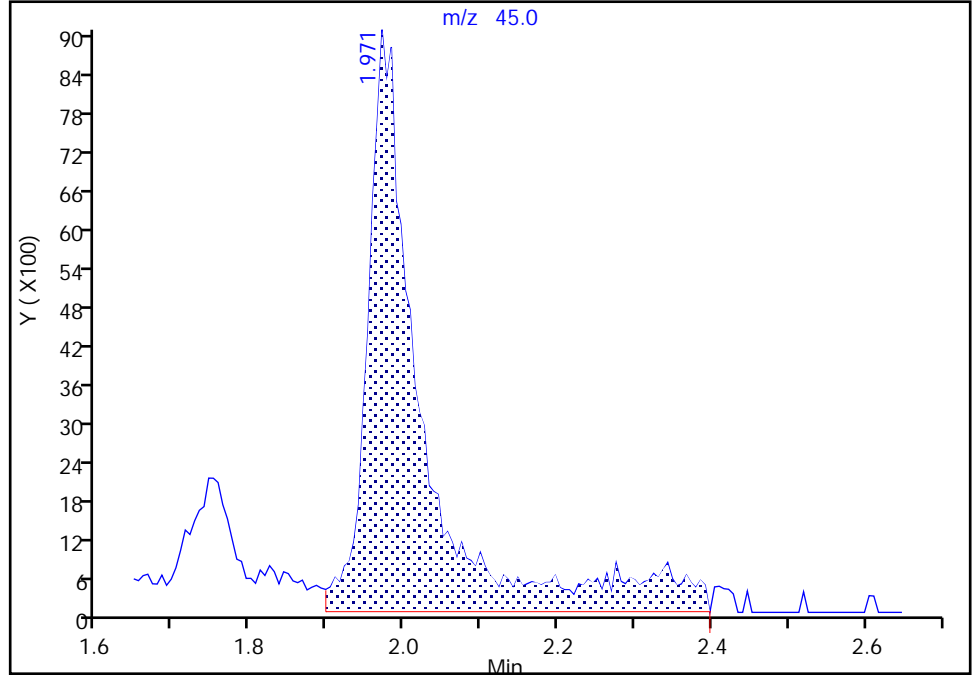
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X03.D
Injection Date: 19-Apr-2023 18:40:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: mec29284 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

4 Dimethyl ether, CAS: 115-10-6

Signal: 1

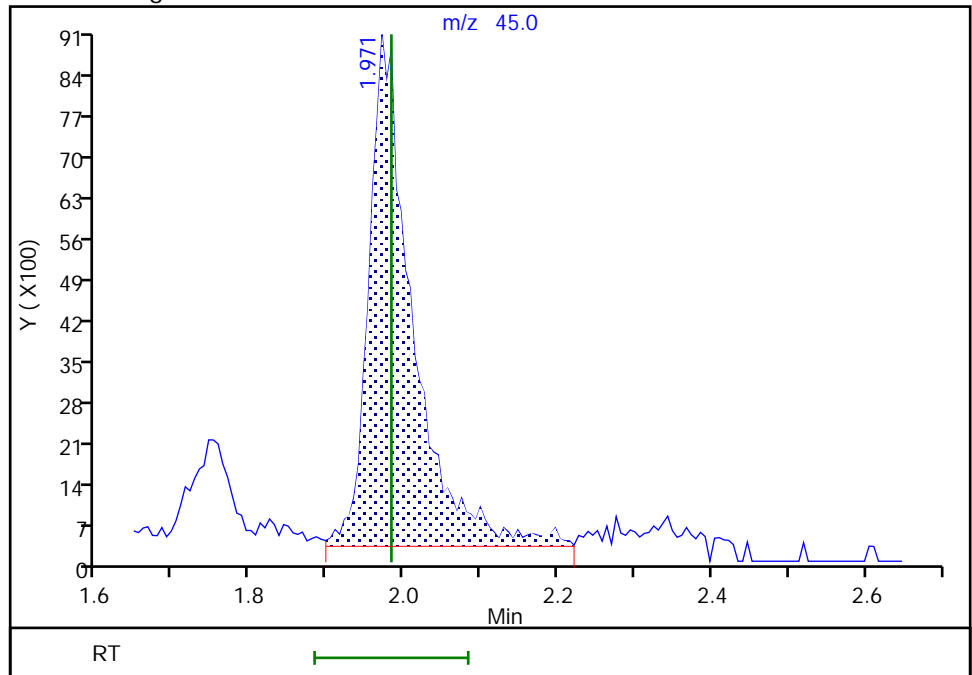
RT: 1.97
Area: 45033
Amount: 0.596708
Amount Units: ug/l

Processing Integration Results



RT: 1.97
Area: 34787
Amount: 0.491351
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:13:29
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

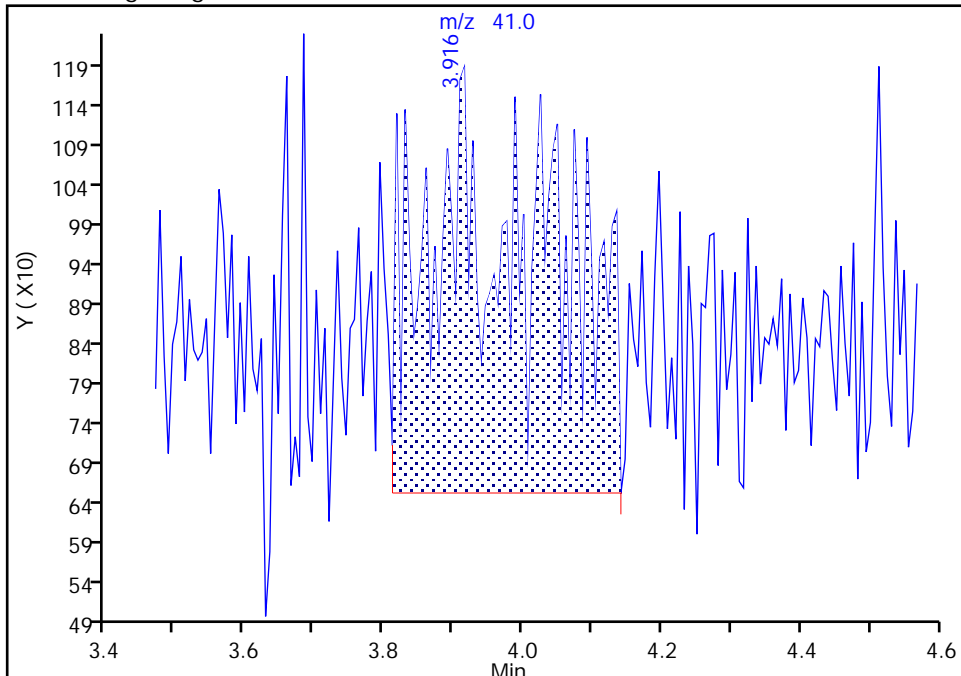
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X03.D
Injection Date: 19-Apr-2023 18:40:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: mec29284 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Acetonitrile, CAS: 75-05-8

Signal: 1

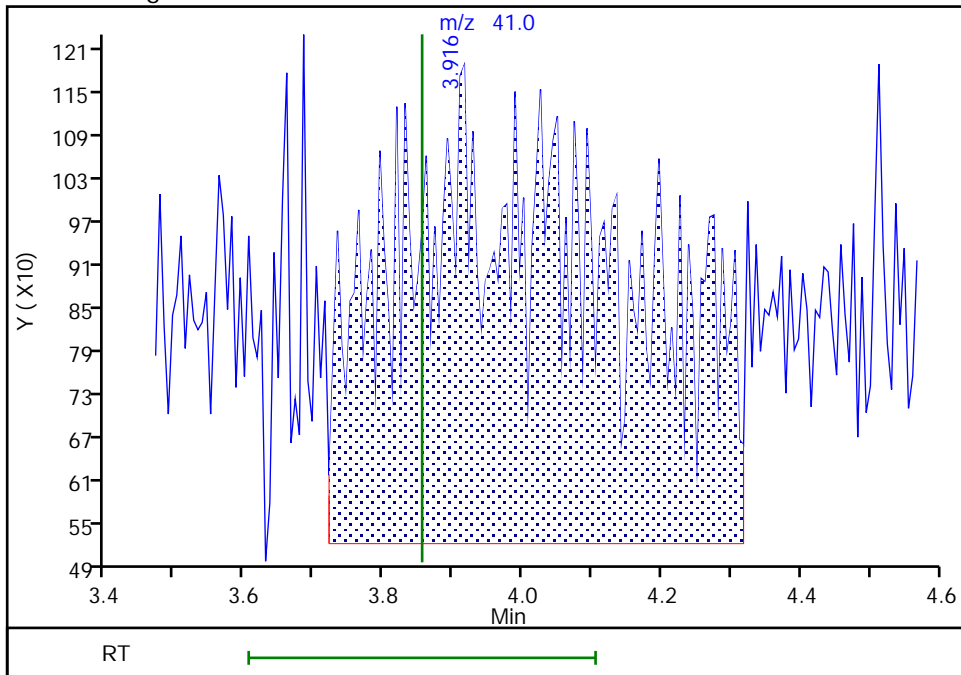
RT: 3.92
Area: 5854
Amount: 1.624431
Amount Units: ug/l

Processing Integration Results



RT: 3.92
Area: 13473
Amount: 3.335648
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:16:36
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Euofins Lancaster Laboratories Environment Testing, LLC

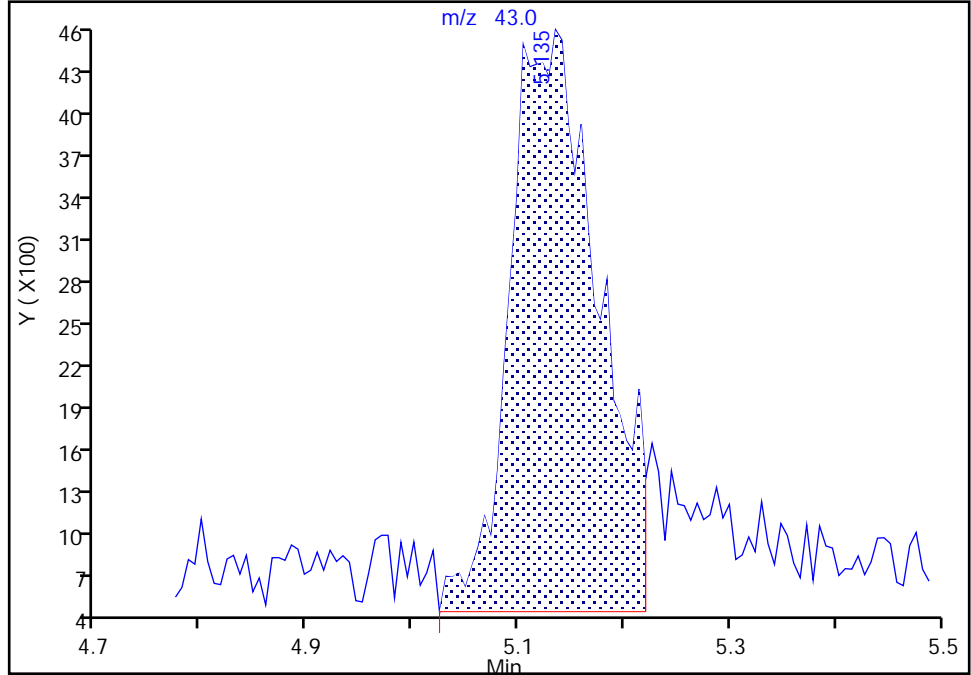
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X03.D
Injection Date: 19-Apr-2023 18:40:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: mec29284 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

35 Vinyl acetate, CAS: 108-05-4

Signal: 1

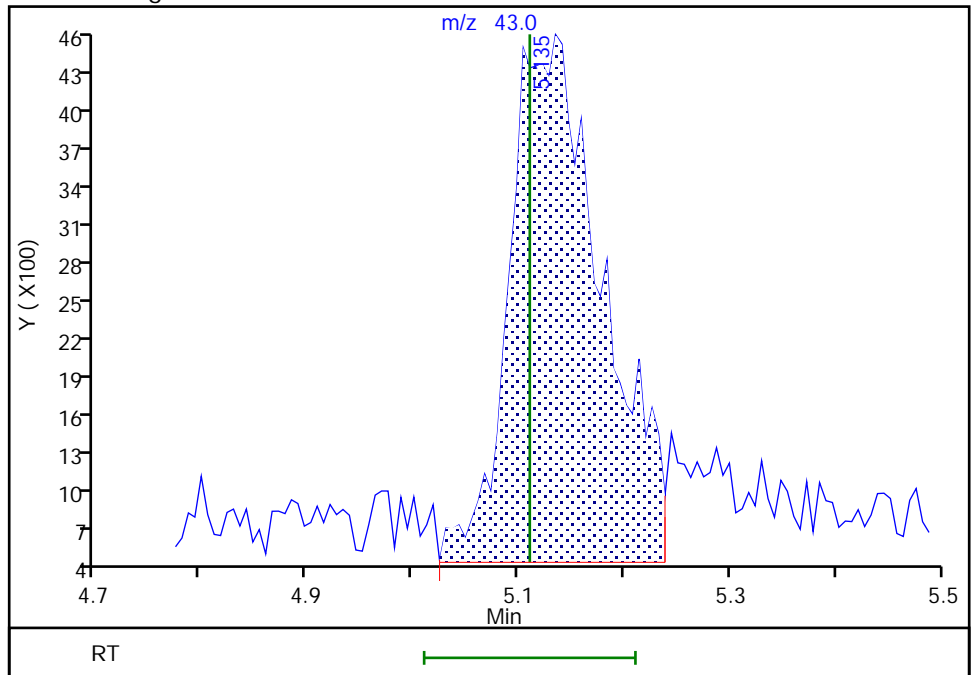
RT: 5.13
Area: 23755
Amount: 0.394578
Amount Units: ug/l

Processing Integration Results



RT: 5.13
Area: 24798
Amount: 0.400356
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:02:24
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

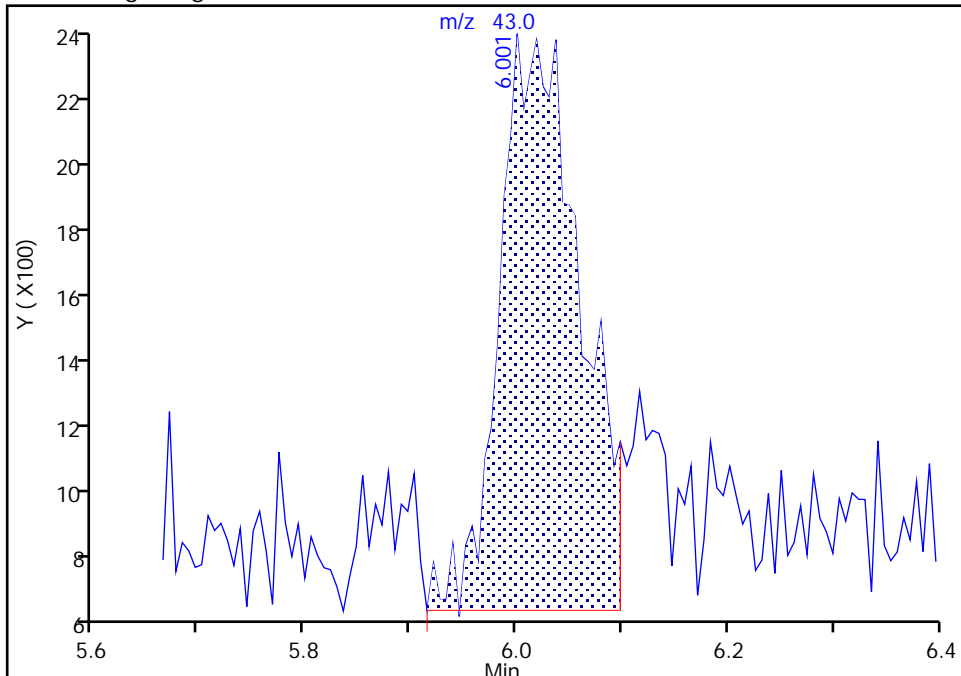
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X03.D
Injection Date: 19-Apr-2023 18:40:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: mec29284 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

45 Ethyl acetate, CAS: 141-78-6

Signal: 1

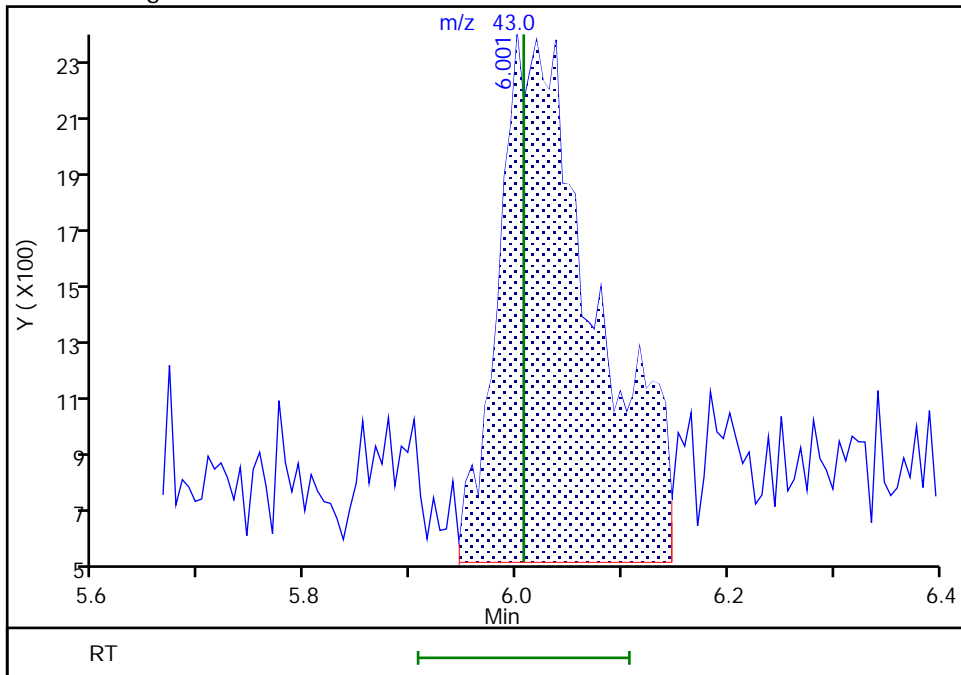
RT: 6.00
Area: 9106
Amount: 0.385845
Amount Units: ug/l

Processing Integration Results



RT: 6.00
Area: 11273
Amount: 0.455686
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:02:36
Audit Action: Assigned New Baseline

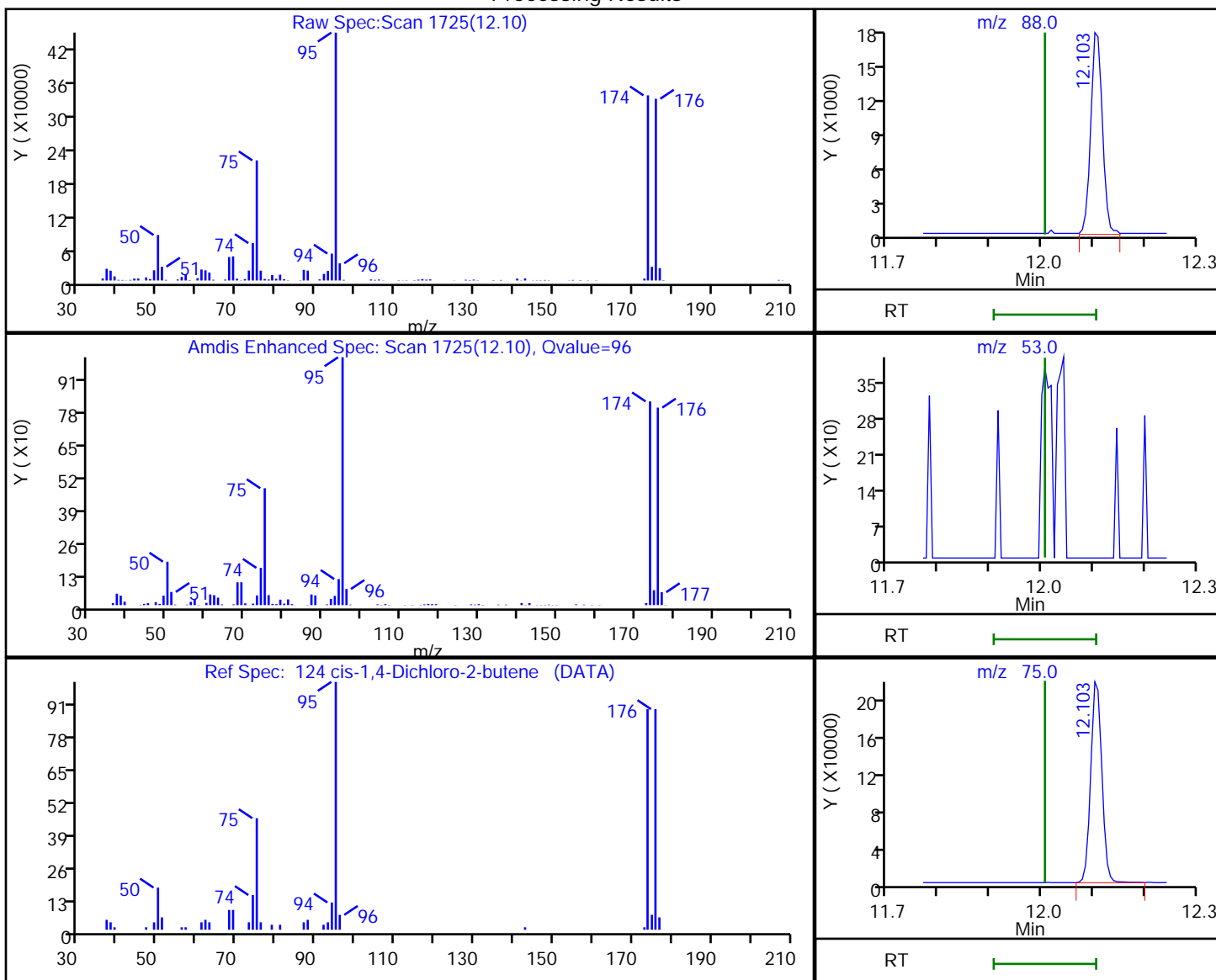
Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X03.D
 Injection Date: 19-Apr-2023 18:40:30 Instrument ID: 19094
 Lims ID: IC std2 0.5
 Client ID:
 Operator ID: mec29284 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 ID) Detector: MS Quad

124 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Processing Results



RT	Mass	Response	Amount
12.10	88.00	27659	1.940435
12.10	75.00	326126	
12.10	53.00	0	
12.10	89.00	0	

Reviewer: K4WN, 23-Apr-2023 20:11:37

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X04.D
 Lims ID: IC std3 1
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 19-Apr-2023 19:00:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0081852-005
 Operator ID: mec29284 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub52
 Method: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 23-Apr-2023 20:34:18 Calib Date: 19-Apr-2023 23:41:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1665

First Level Reviewer: K4WN

Date: 23-Apr-2023 20:04:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.849	1.861	-0.012	95	27737	1.00	0.9775	
3 Chlorodifluoromethane	51	1.910	1.916	-0.006	97	74280	1.00	0.9309	
4 Dimethyl ether	45	1.977	1.983	-0.006	100	57019	1.00	0.7991	M
8 2-Chloro-1,1,1-Trifluoroethane	118	2.270	2.276	-0.006	33	62204	1.00	0.99	
25 Acetonitrile	41	3.824	3.855	-0.031	19	22125	5.00	5.44	M
* 28 t-Butyl alcohol-d10 (IS)	65	4.062	4.068	-0.006	19	69413	50.0	50.0	
35 Vinyl acetate	43	5.110	5.111	-0.001	96	54272	1.00	0.8694	M
45 Ethyl acetate	43	6.001	6.007	-0.006	98	21827	1.00	0.8755	M
61 Isopropyl acetate	43	7.232	7.238	-0.006	97	50552	1.00	0.9251	M
* 64 Fluorobenzene (IS)	96	7.561	7.567	-0.006	99	1941725	10.0	10.0	
75 n-Propyl acetate	61	8.555	8.561	-0.006	98	10187	1.00	0.9400	
78 2-Chloroethyl vinyl ether	63	9.110	9.104	0.006	93	14220	1.00	0.9537	
110 n-Butyl acetate	43	10.506	10.506	0.000	96	48203	1.00	1.02	
* 113 Chlorobenzene-d5 (IS)	117	11.091	11.097	-0.006	87	1406013	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	12.012	12.006	0.006	24	637	2.00	1.57	a
125 Cyclohexanone	55	12.042	12.042	0.000	93	21458	50.0	54.5	
* 141 1,4-Dichlorobenzene-d4	152	12.993	12.993	0.000	95	762599	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_V5ACE_00023	Amount Added: 1.00	Units: uL
MSV_CCV_CYC_00005	Amount Added: 8.00	Units: uL
MSV_V_SMRV4_00058	Amount Added: 5.00	Units: uL
MSV_DME_00047	Amount Added: 1.00	Units: uL
MSV_LLcentISS_00008	Amount Added: 5.00	Units: uL

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X04.D

Injection Date: 19-Apr-2023 19:00:30

Instrument ID: 19094

Operator ID: mec29284

Lims ID: IC std3 1

Worklist Smp#: 5

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

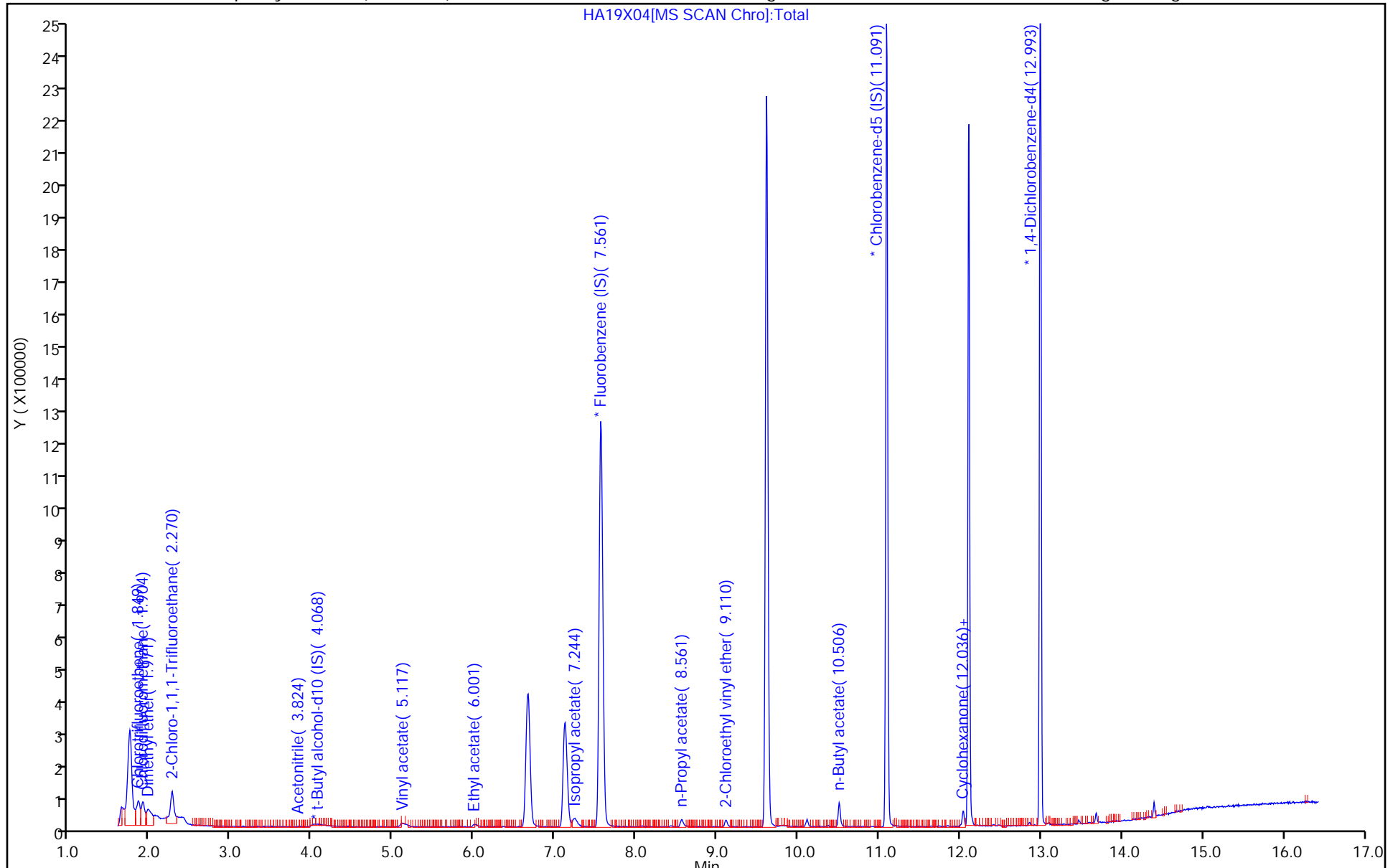
ALS Bottle#: 4

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



Eurofins Lancaster Laboratories Environment Testing, LLC

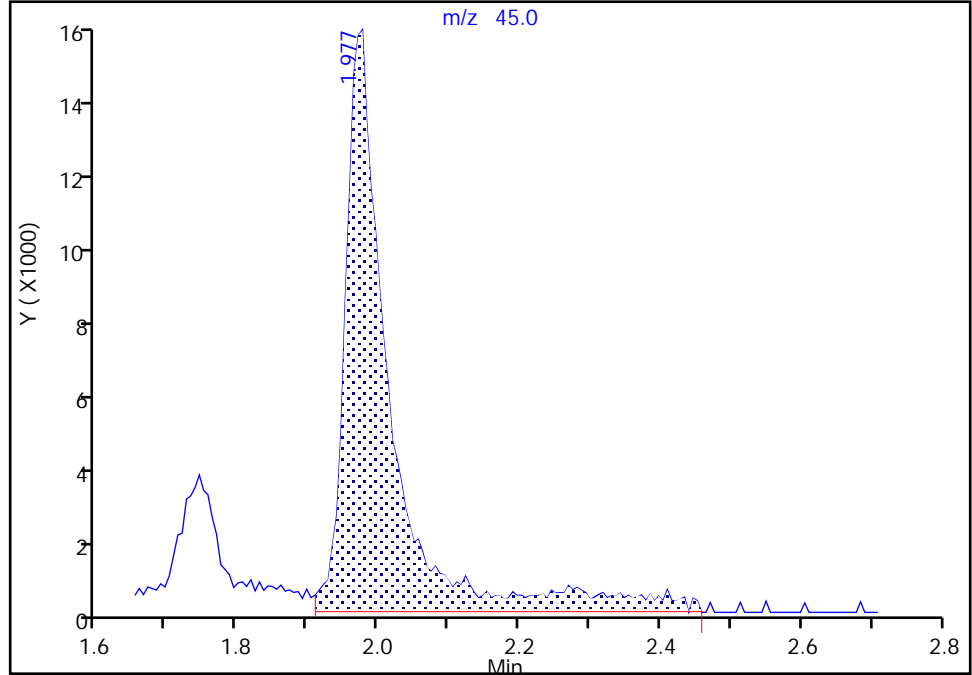
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X04.D
Injection Date: 19-Apr-2023 19:00:30 Instrument ID: 19094
Lims ID: IC std3 1
Client ID:
Operator ID: mec29284 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

4 Dimethyl ether, CAS: 115-10-6

Signal: 1

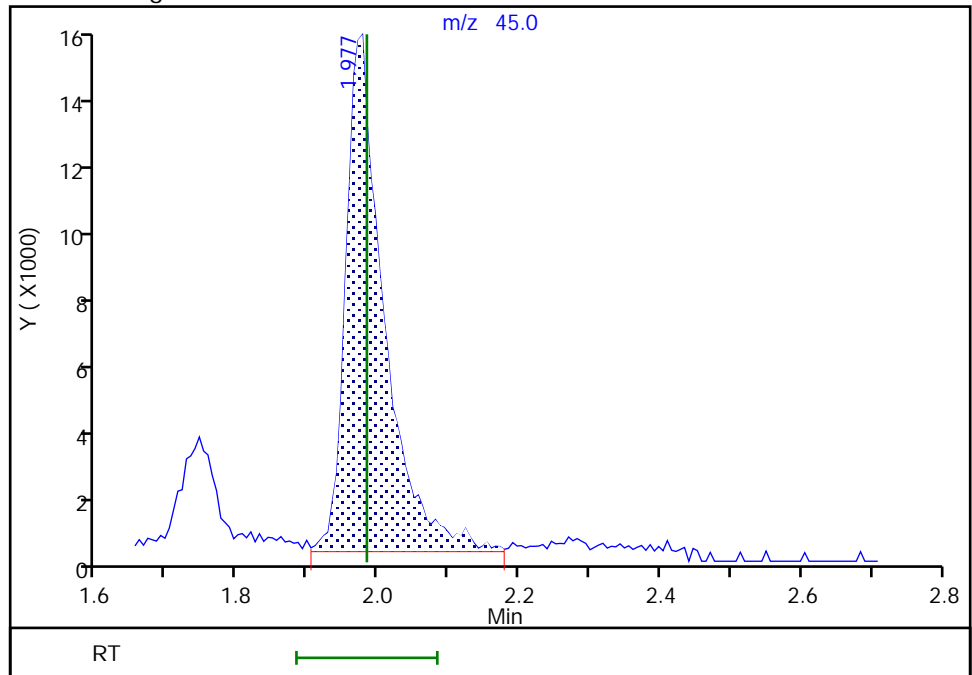
RT: 1.98
Area: 69315
Amount: 0.948129
Amount Units: ug/l

Processing Integration Results



RT: 1.98
Area: 57019
Amount: 0.799139
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:13:48
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

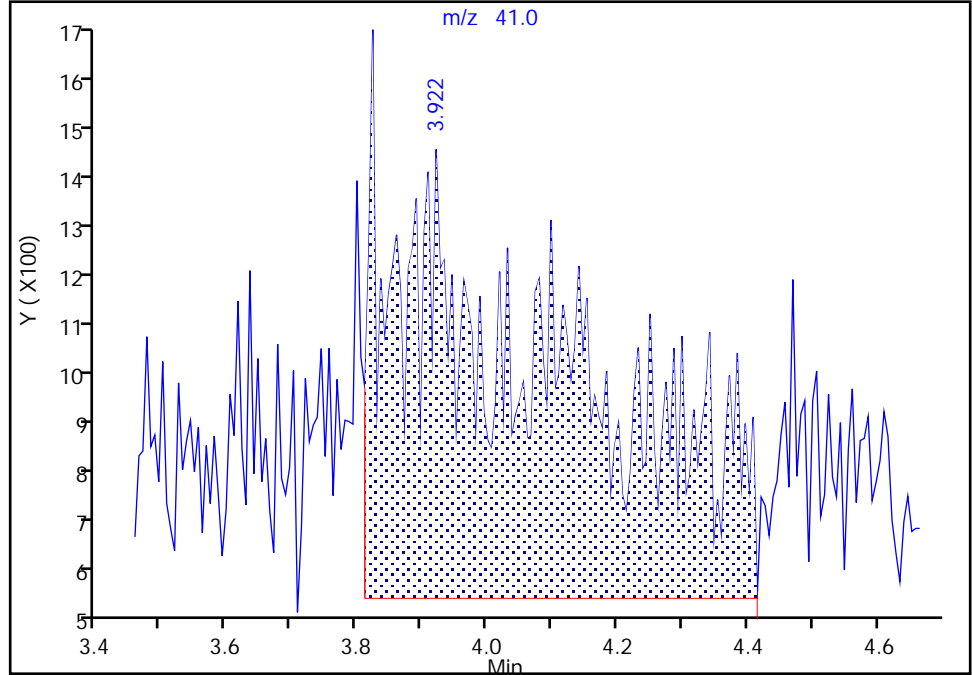
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X04.D
Injection Date: 19-Apr-2023 19:00:30 Instrument ID: 19094
Lims ID: IC std3 1
Client ID:
Operator ID: mec29284 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Acetonitrile, CAS: 75-05-8

Signal: 1

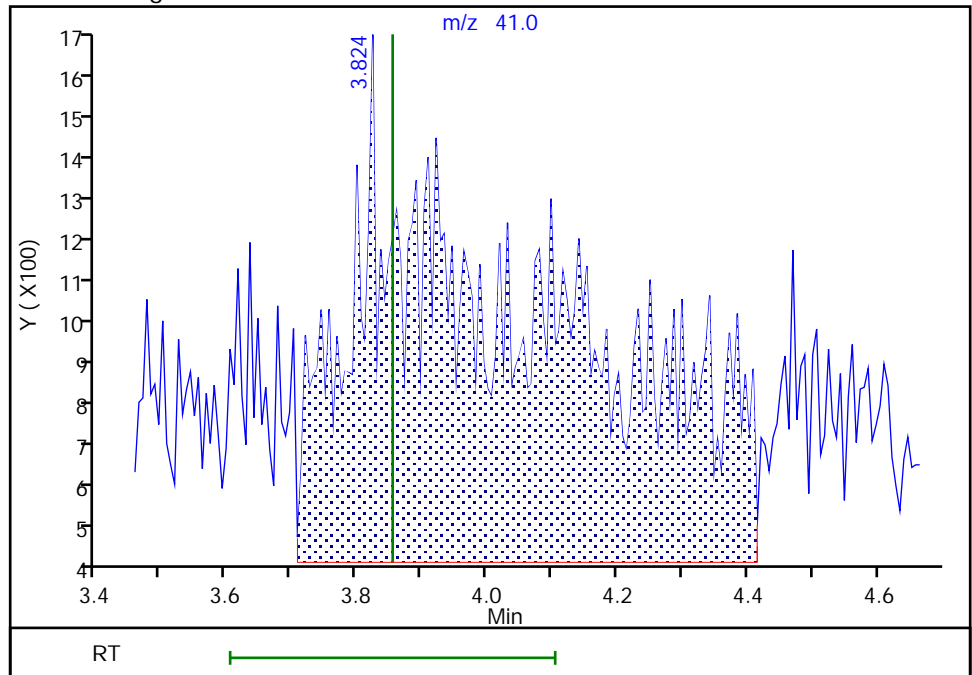
RT: 3.92
Area: 16254
Amount: 5.083304
Amount Units: ug/l

Processing Integration Results



RT: 3.82
Area: 22125
Amount: 5.435342
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:16:05
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

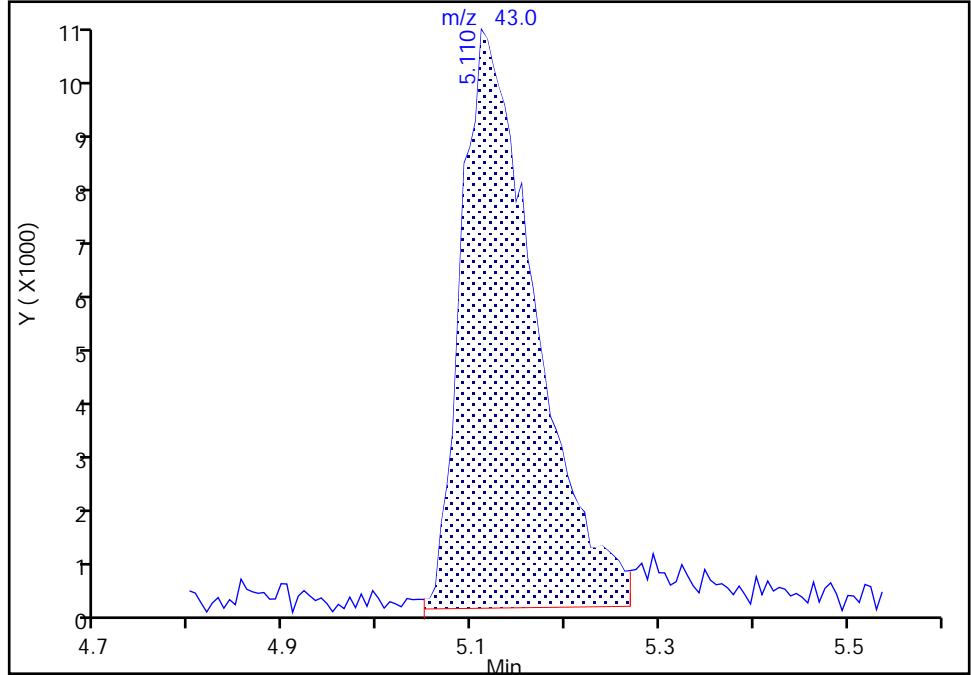
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X04.D
Injection Date: 19-Apr-2023 19:00:30 Instrument ID: 19094
Lims ID: IC std3 1
Client ID:
Operator ID: mec29284 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

35 Vinyl acetate, CAS: 108-05-4

Signal: 1

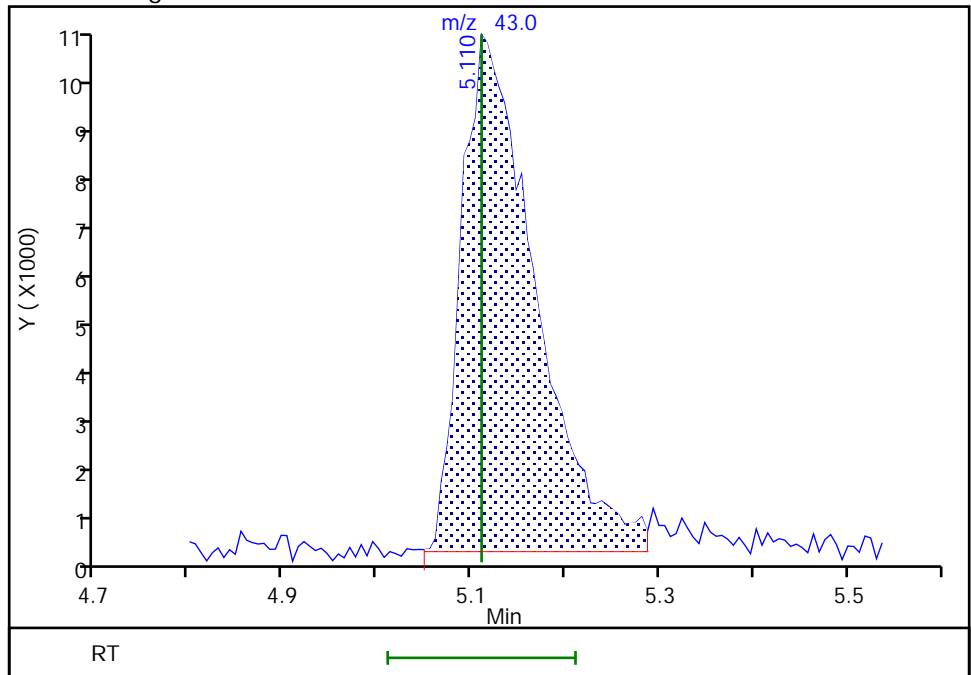
RT: 5.11
Area: 55566
Amount: 0.931201
Amount Units: ug/l

Processing Integration Results



RT: 5.11
Area: 54272
Amount: 0.869427
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:03:45
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

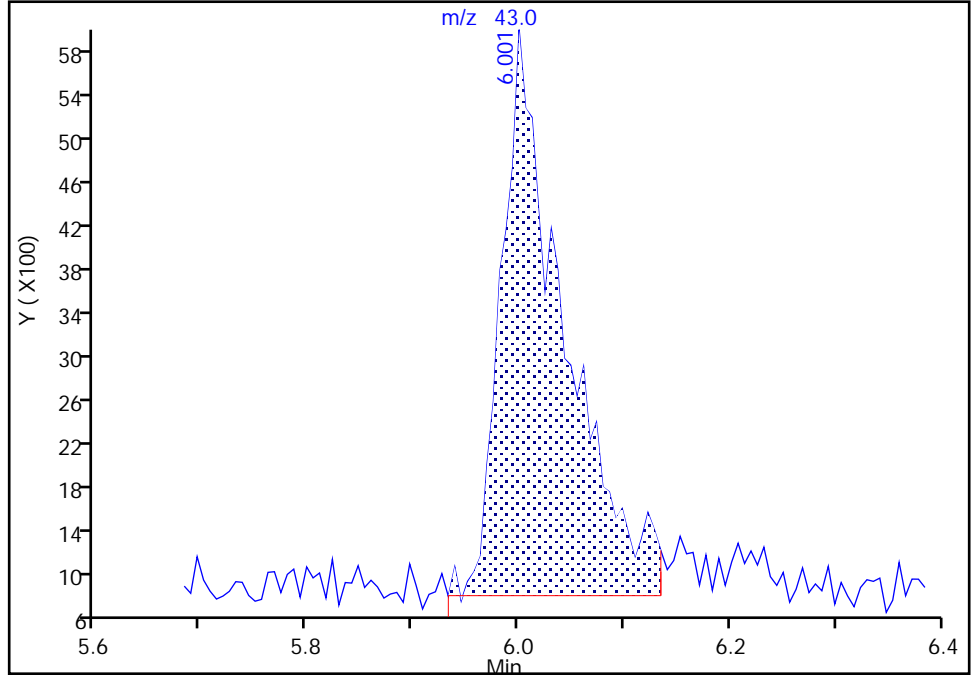
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X04.D
Injection Date: 19-Apr-2023 19:00:30 Instrument ID: 19094
Lims ID: IC std3 1
Client ID:
Operator ID: mec29284 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

45 Ethyl acetate, CAS: 141-78-6

Signal: 1

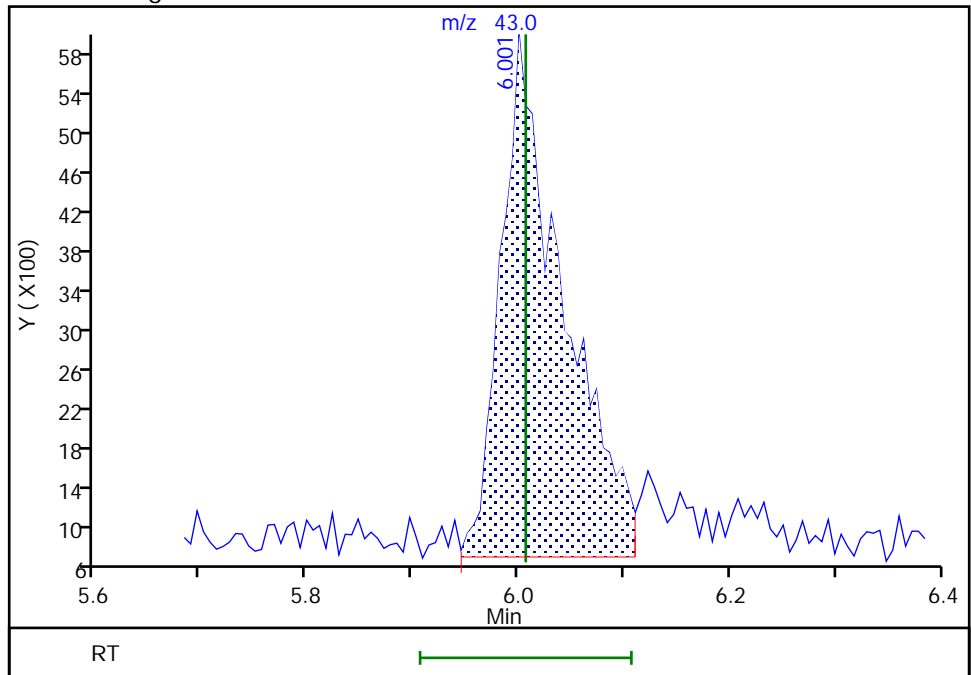
RT: 6.00
Area: 21664
Amount: 0.887574
Amount Units: ug/l

Processing Integration Results



RT: 6.00
Area: 21827
Amount: 0.875484
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:04:10
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

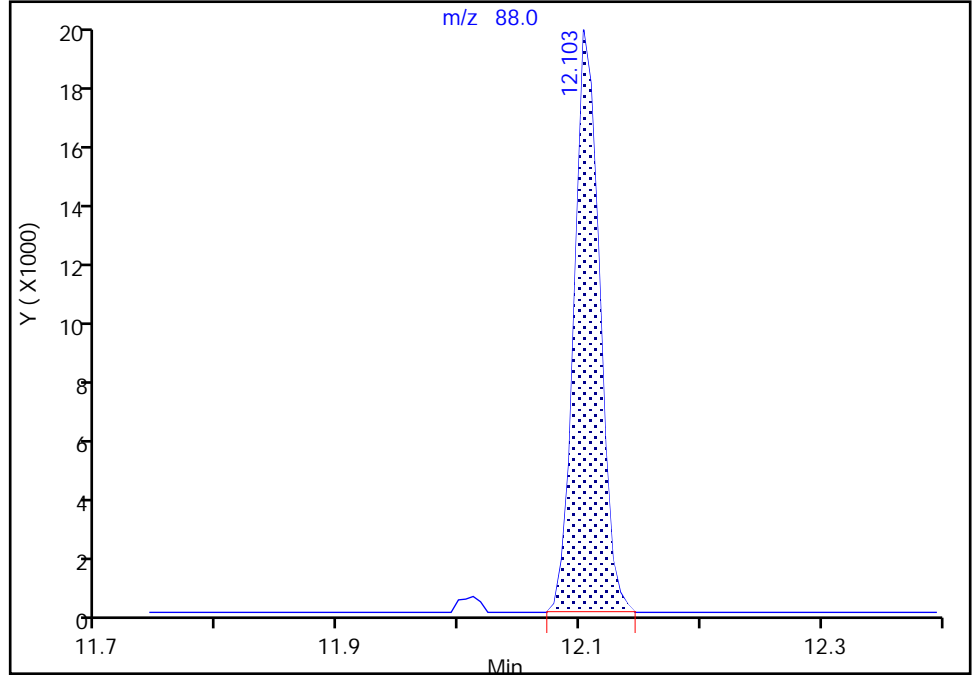
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X04.D
Injection Date: 19-Apr-2023 19:00:30 Instrument ID: 19094
Lims ID: IC std3 1
Client ID:
Operator ID: mec29284 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

124 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

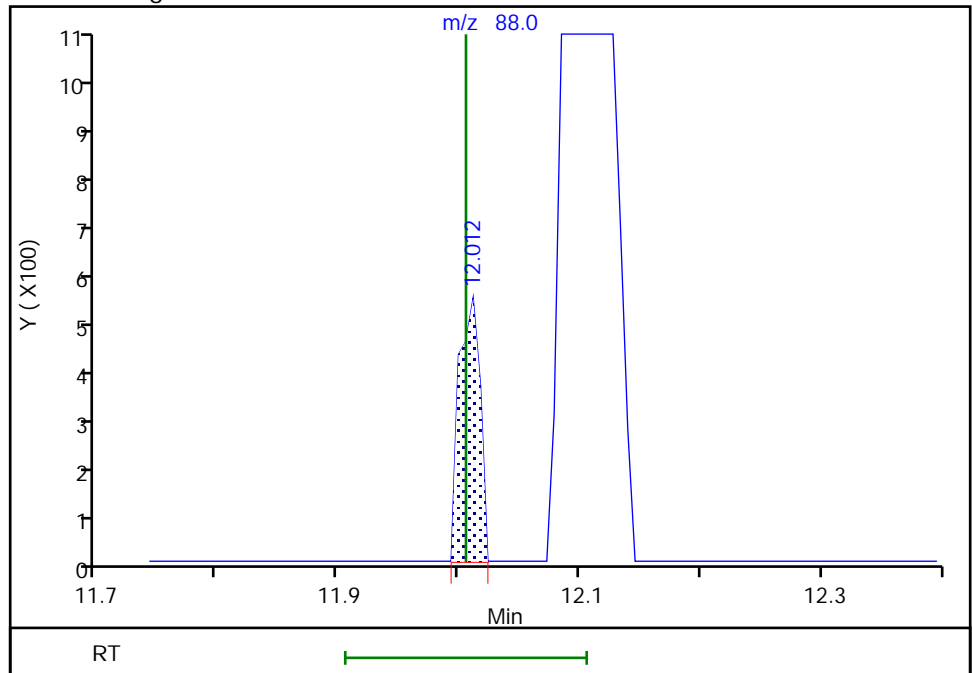
RT: 12.10
Area: 28171
Amount: 1.723010
Amount Units: ug/l

Processing Integration Results



RT: 12.01
Area: 637
Amount: 1.573077
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:11:24
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\20230419-81852.b\HA19X05.D
 Lims ID: IC std4 2
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 19-Apr-2023 19:21:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0081852-006
 Operator ID: mec29284 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub52
 Method: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 23-Apr-2023 20:34:20 Calib Date: 19-Apr-2023 23:41:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1665

First Level Reviewer: K4WN

Date: 23-Apr-2023 20:07:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.861	1.861	0.000	94	60802	2.00	2.16	
3 Chlorodifluoromethane	51	1.916	1.916	0.000	97	160734	2.00	2.03	
4 Dimethyl ether	45	1.983	1.983	0.000	99	146201	2.00	2.07	M
8 2-Chloro-1,1,1-Trifluoroethane	118	2.276	2.276	0.000	35	131312	2.00	2.12	
25 Acetonitrile	41	3.855	3.855	0.000	20	30301	10.0	7.51	M
* 28 t-Butyl alcohol-d10 (IS)	65	4.068	4.068	0.000	19	66053	50.0	50.0	
35 Vinyl acetate	43	5.111	5.111	0.000	97	126294	2.00	2.04	M
45 Ethyl acetate	43	6.007	6.007	0.000	98	49390	2.00	2.00	M
61 Isopropyl acetate	43	7.238	7.238	0.000	97	115211	2.00	2.13	M
* 64 Fluorobenzene (IS)	96	7.567	7.567	0.000	99	1924949	10.0	10.0	
75 n-Propyl acetate	61	8.561	8.561	0.000	99	22937	2.00	2.13	M
78 2-Chloroethyl vinyl ether	63	9.104	9.104	0.000	92	31490	2.00	2.13	
110 n-Butyl acetate	43	10.506	10.506	0.000	98	95134	2.00	2.01	
* 113 Chlorobenzene-d5 (IS)	117	11.097	11.097	0.000	86	1401780	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	12.006	12.006	0.000	24	1639	4.00	4.06	a
125 Cyclohexanone	55	12.042	12.042	0.000	92	36220	100.0	96.8	
* 141 1,4-Dichlorobenzene-d4	152	12.993	12.993	0.000	95	756761	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_V5ACE_00023	Amount Added: 1.00	Units: uL
MSV_CCV_CYC_00005	Amount Added: 8.00	Units: uL
MSV_V_SMRV4_00058	Amount Added: 5.00	Units: uL
MSV_DME_00047	Amount Added: 1.00	Units: uL
MSV_LLcentISS_00008	Amount Added: 5.00	Units: uL

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X05.D

Injection Date: 19-Apr-2023 19:21:30

Instrument ID: 19094

Operator ID: mec29284

Lims ID: IC std4 2

Worklist Smp#: 6

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

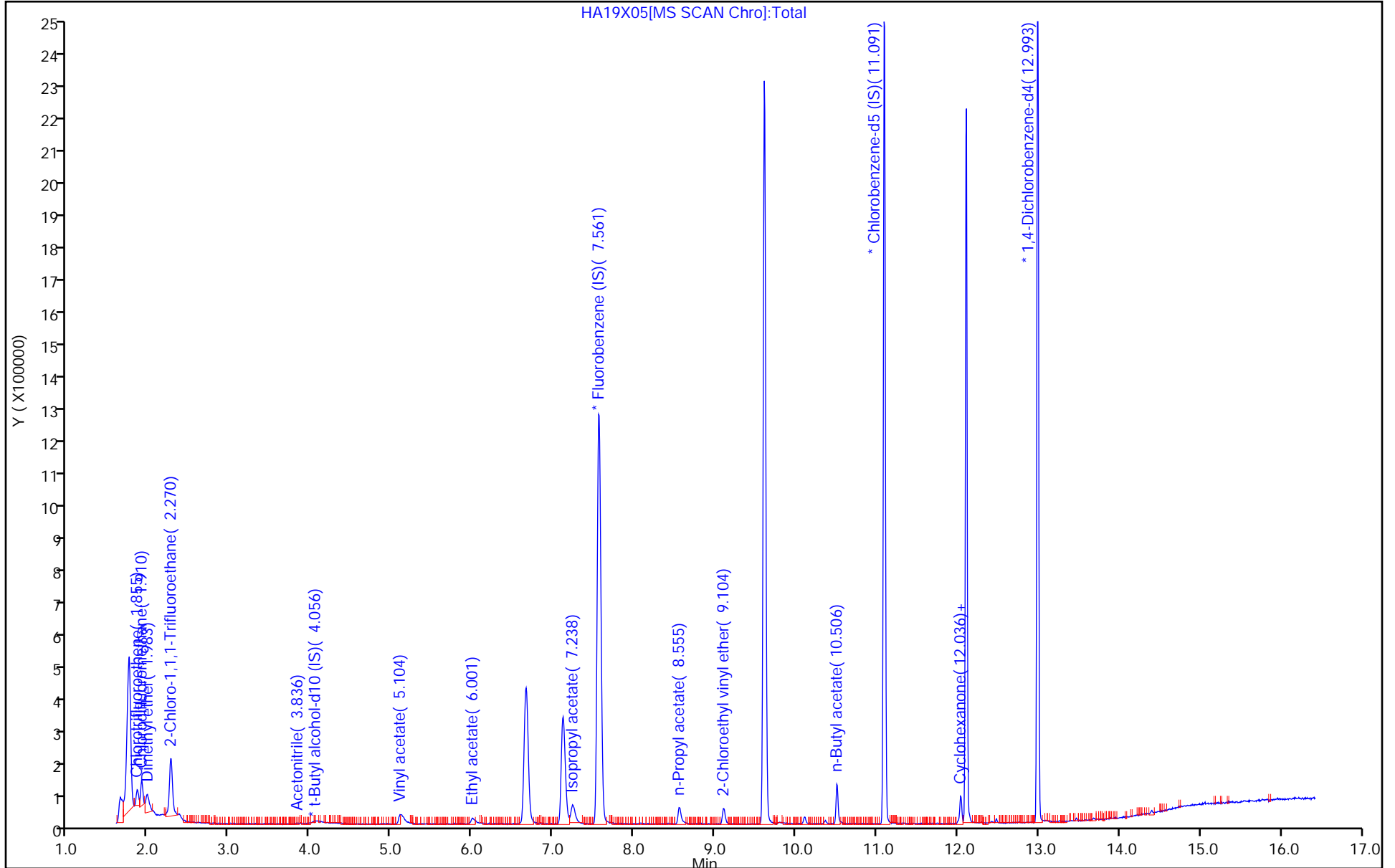
ALS Bottle#: 5

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



Eurofins Lancaster Laboratories Environment Testing, LLC

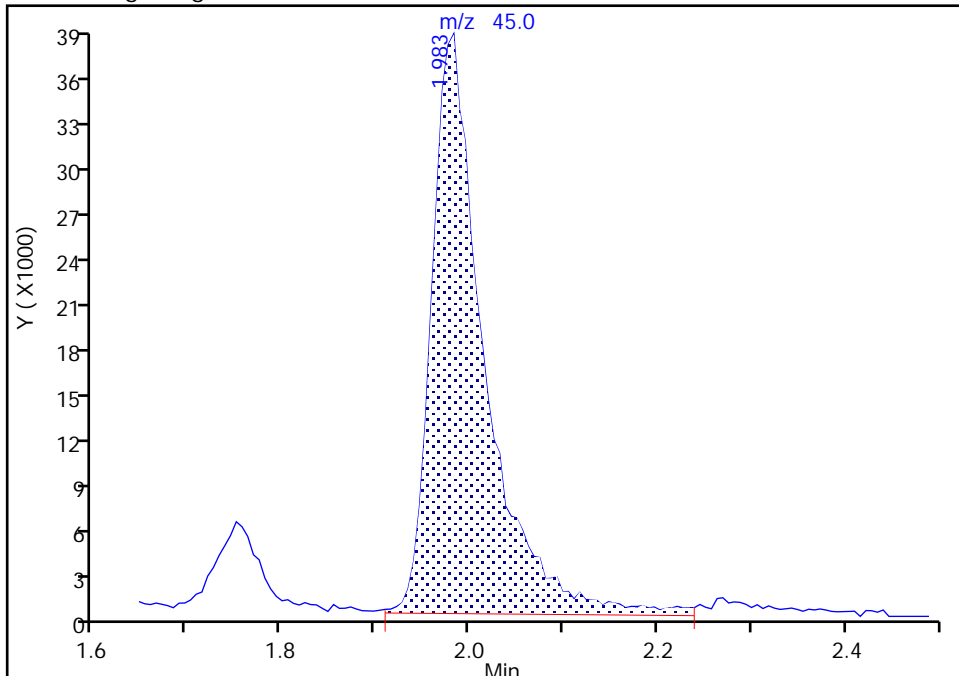
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X05.D
Injection Date: 19-Apr-2023 19:21:30 Instrument ID: 19094
Lims ID: IC std4 2
Client ID:
Operator ID: mec29284 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

4 Dimethyl ether, CAS: 115-10-6

Signal: 1

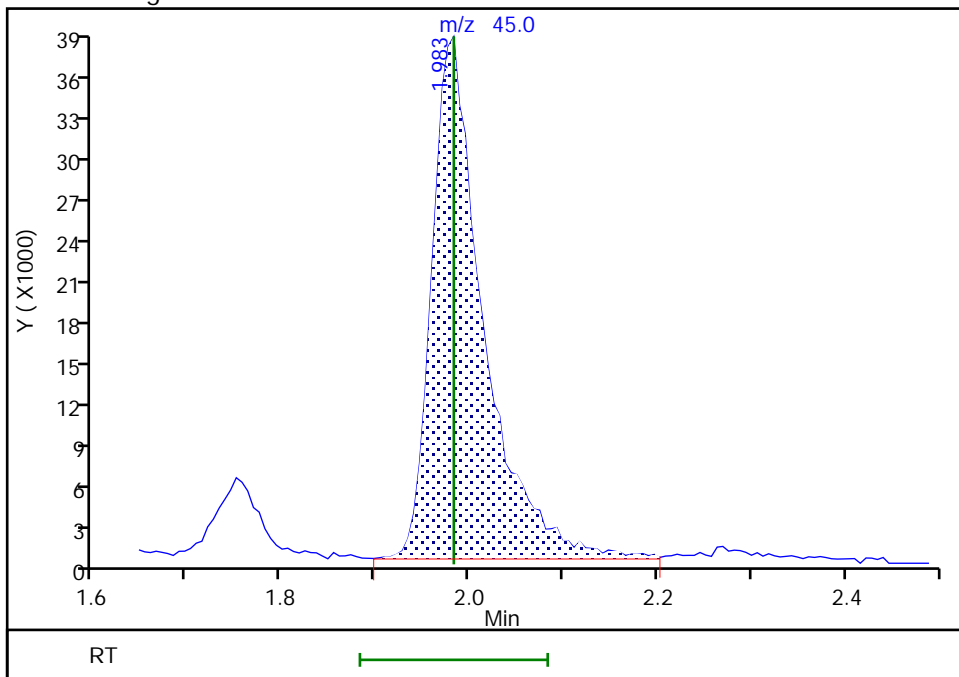
RT: 1.98
Area: 150975
Amount: 2.119763
Amount Units: ug/l

Processing Integration Results



RT: 1.98
Area: 146201
Amount: 2.066909
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:05:09
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

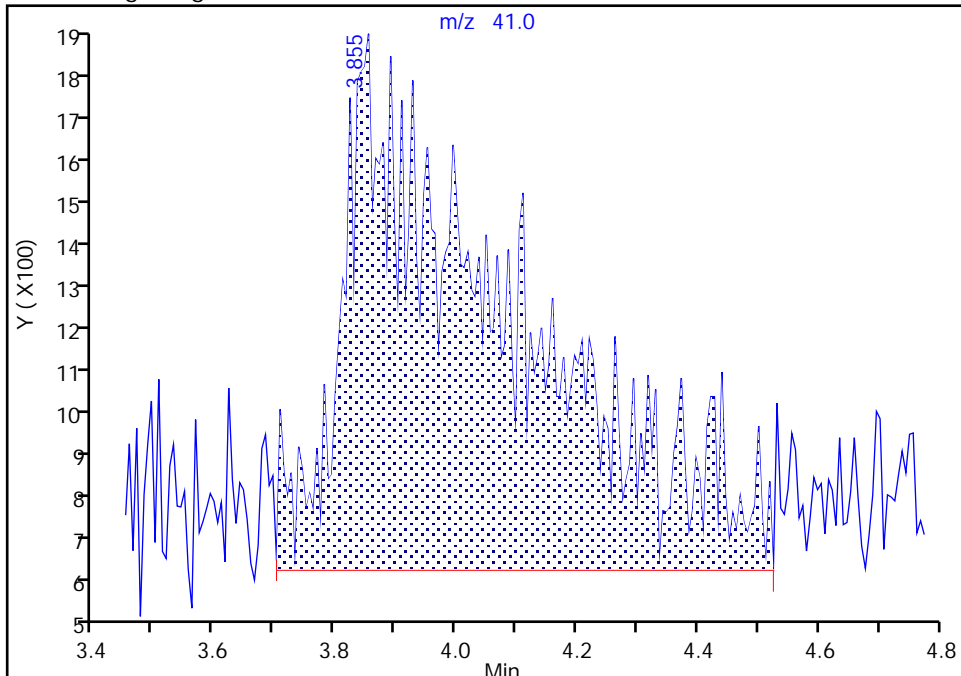
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X05.D
Injection Date: 19-Apr-2023 19:21:30 Instrument ID: 19094
Lims ID: IC std4 2
Client ID:
Operator ID: mec29284 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Acetonitrile, CAS: 75-05-8

Signal: 1

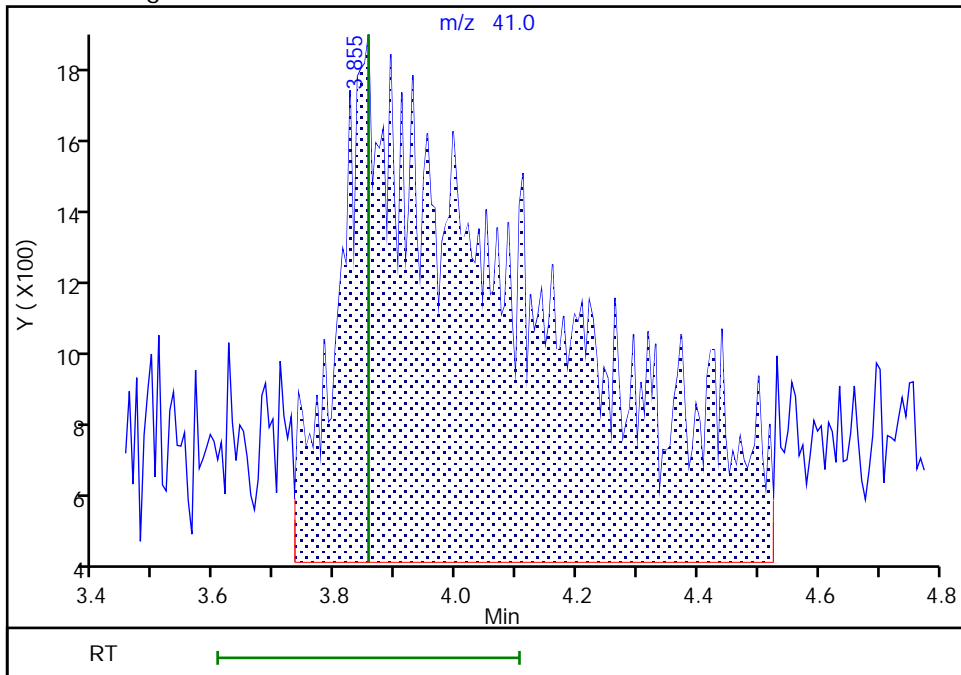
RT: 3.85
Area: 22905
Amount: 7.175511
Amount Units: ug/l

Processing Integration Results



RT: 3.85
Area: 30301
Amount: 7.508774
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:15:39
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

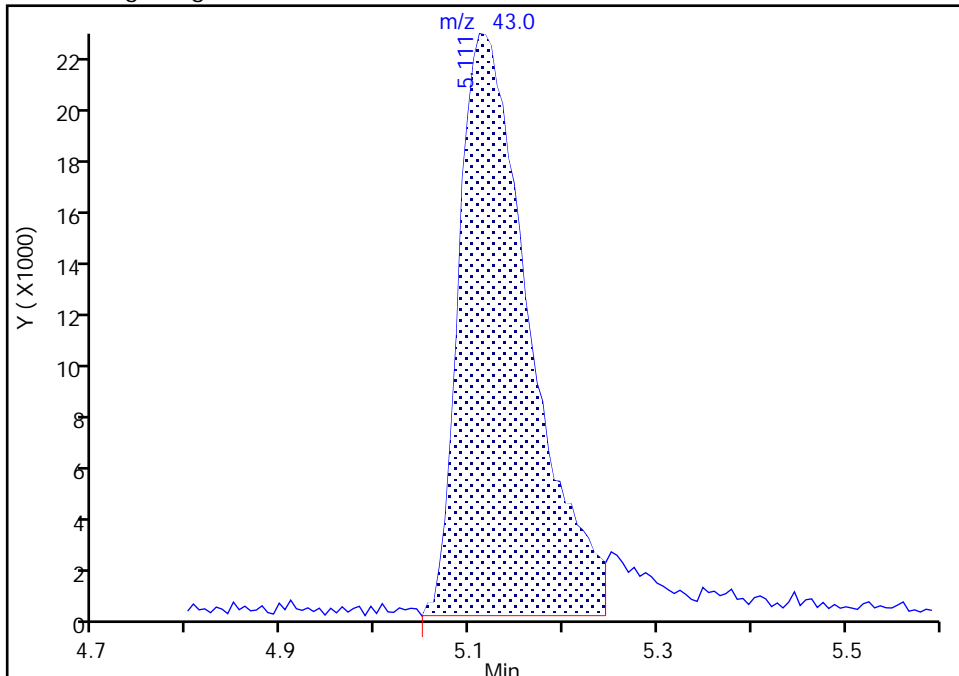
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X05.D
Injection Date: 19-Apr-2023 19:21:30 Instrument ID: 19094
Lims ID: IC std4 2
Client ID:
Operator ID: mec29284 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

35 Vinyl acetate, CAS: 108-05-4

Signal: 1

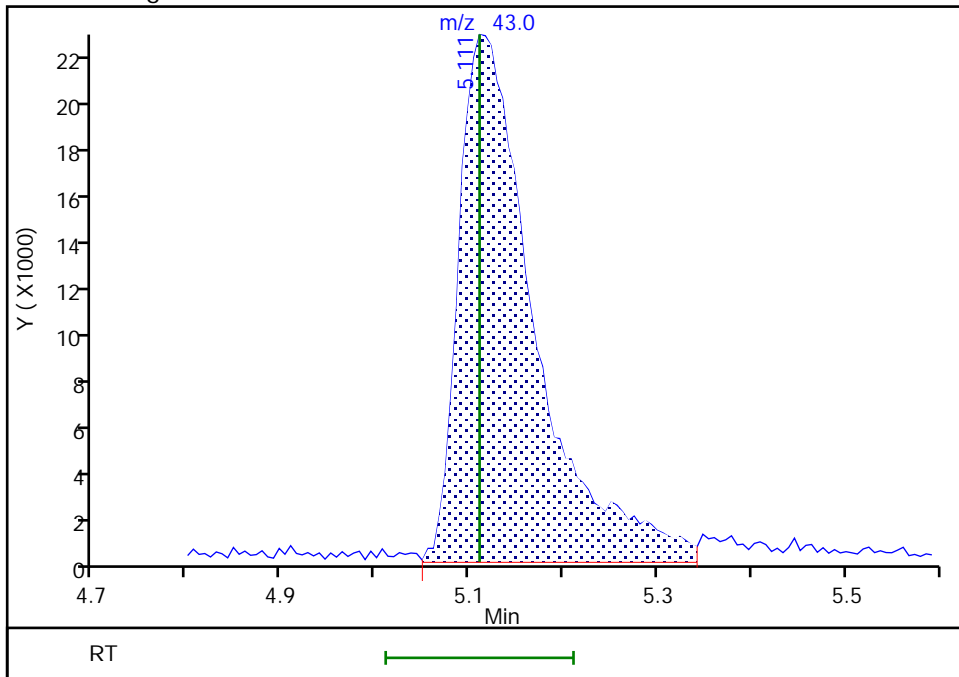
RT: 5.11
Area: 117285
Amount: 1.997812
Amount Units: ug/l

Processing Integration Results



RT: 5.11
Area: 126294
Amount: 2.040838
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:06:41
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

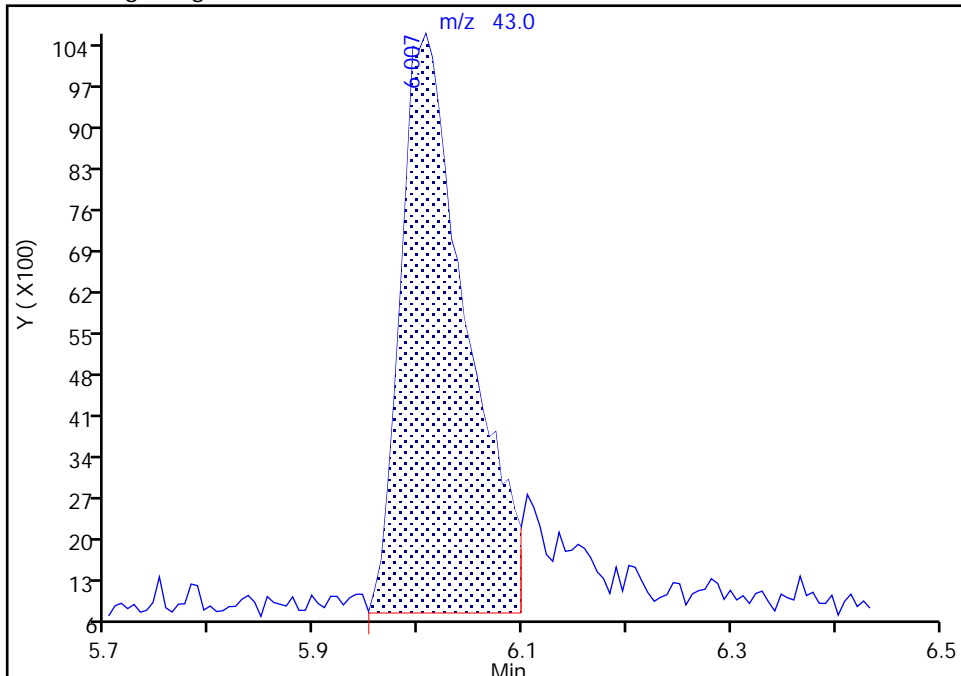
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X05.D
Injection Date: 19-Apr-2023 19:21:30 Instrument ID: 19094
Lims ID: IC std4 2
Client ID:
Operator ID: mec29284 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

45 Ethyl acetate, CAS: 141-78-6

Signal: 1

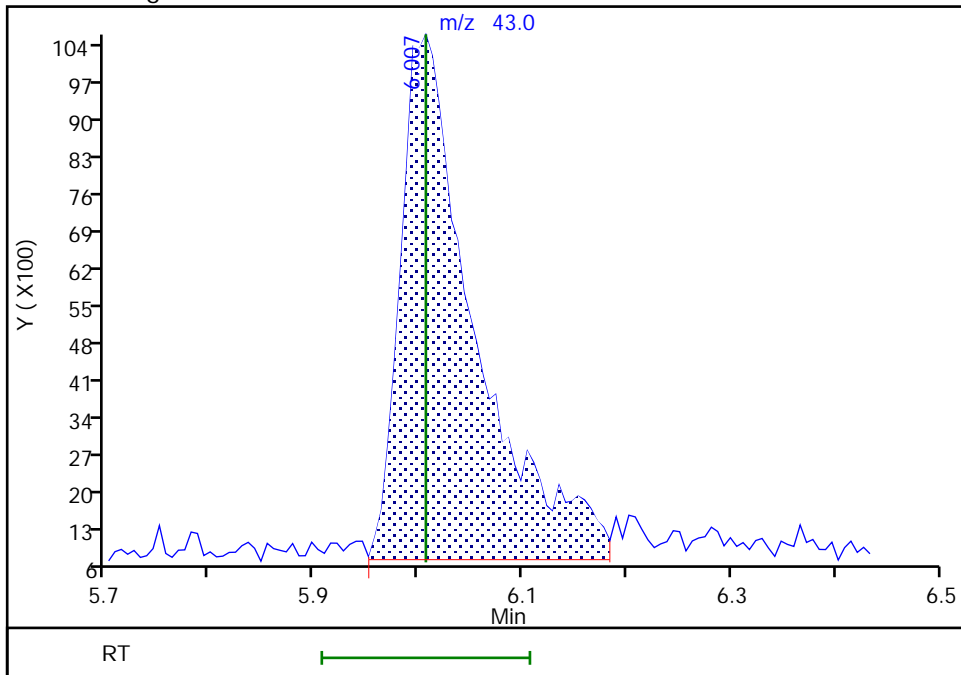
RT: 6.01
Area: 42954
Amount: 1.768656
Amount Units: ug/l

Processing Integration Results



RT: 6.01
Area: 49390
Amount: 1.998304
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:06:53
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

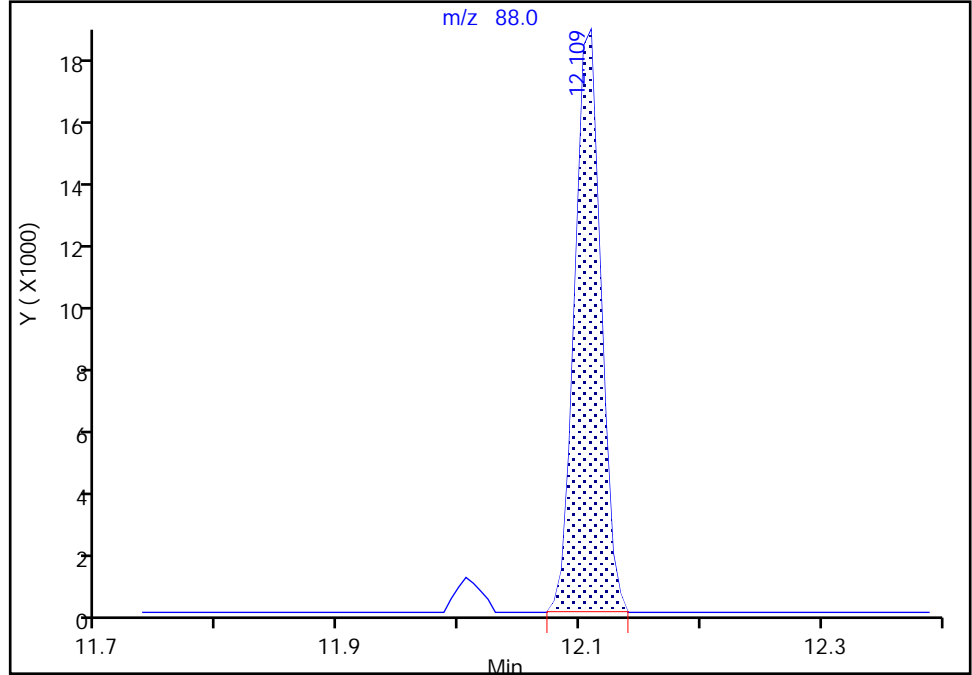
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X05.D
Injection Date: 19-Apr-2023 19:21:30 Instrument ID: 19094
Lims ID: IC std4 2
Client ID:
Operator ID: mec29284 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

124 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

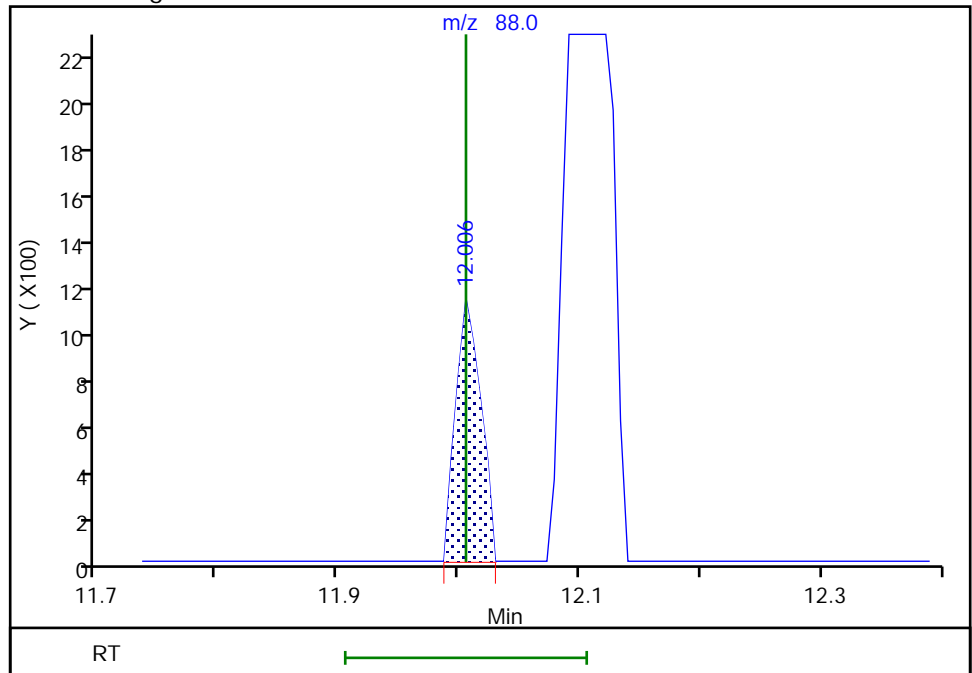
RT: 12.11
Area: 28524
Amount: 1.652534
Amount Units: ug/l

Processing Integration Results



RT: 12.01
Area: 1639
Amount: 4.059748
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:11:00
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\20230419-81852.b\copy_HA19X06.D
 Lims ID: IC std5 5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 19-Apr-2023 19:41:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0081852-007
 Operator ID: mec29284 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub52
 Method: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 23-Apr-2023 20:34:23 Calib Date: 19-Apr-2023 23:41:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1665

First Level Reviewer: K4WN

Date: 23-Apr-2023 20:08:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.861	1.861	0.000	95	151559	5.00	5.39	
3 Chlorodifluoromethane	51	1.910	1.916	-0.006	97	384125	5.00	4.86	
4 Dimethyl ether	45	1.977	1.983	-0.006	100	357410	5.00	5.05	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.270	2.276	-0.006	35	320790	5.00	5.18	
25 Acetonitrile	41	3.897	3.855	0.042	27	50892	25.0	12.6	M
* 28 t-Butyl alcohol-d10 (IS)	65	4.099	4.068	0.031	20	62116	50.0	50.0	
35 Vinyl acetate	43	5.105	5.111	-0.006	97	325318	5.00	5.26	M
45 Ethyl acetate	43	6.007	6.007	0.000	99	117641	5.00	4.76	
61 Isopropyl acetate	43	7.238	7.238	0.000	98	282710	5.00	5.22	
* 64 Fluorobenzene (IS)	96	7.561	7.567	-0.006	99	1924920	10.0	10.0	
75 n-Propyl acetate	61	8.555	8.561	-0.006	99	57512	5.00	5.35	
78 2-Chloroethyl vinyl ether	63	9.104	9.104	0.000	91	77690	5.00	5.26	
110 n-Butyl acetate	43	10.506	10.506	0.000	98	249385	5.00	5.27	
* 113 Chlorobenzene-d5 (IS)	117	11.091	11.097	-0.006	86	1404097	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	12.012	12.006	0.006	24	4100	10.0	10.1	a
125 Cyclohexanone	55	12.042	12.042	0.000	92	90698	250.0	257.6	
* 141 1,4-Dichlorobenzene-d4	152	12.993	12.993	0.000	95	748672	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_V5ACE_00023	Amount Added: 1.00	Units: uL
MSV_CCV_CYC_00005	Amount Added: 8.00	Units: uL
MSV_V_SMRV4_00058	Amount Added: 5.00	Units: uL
MSV_DME_00047	Amount Added: 1.00	Units: uL
MSV_LLcentISS_00008	Amount Added: 5.00	Units: uL

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\copy_HA19X06.D

Injection Date: 19-Apr-2023 19:41:30

Instrument ID: 19094

Operator ID: mec29284

Lims ID: IC std5 5

Worklist Smp#: 7

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

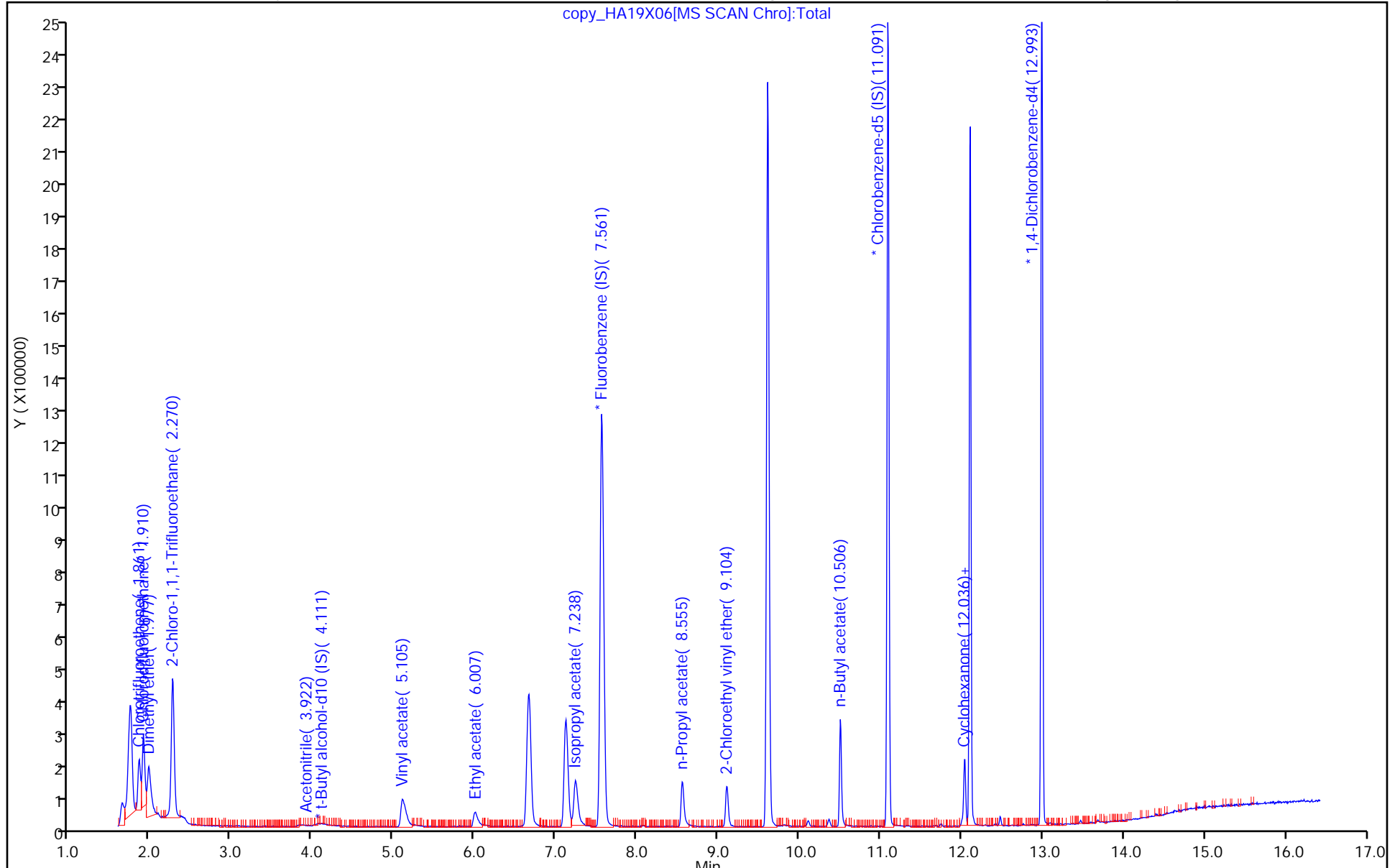
ALS Bottle#: 6

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



Eurofins Lancaster Laboratories Environment Testing, LLC

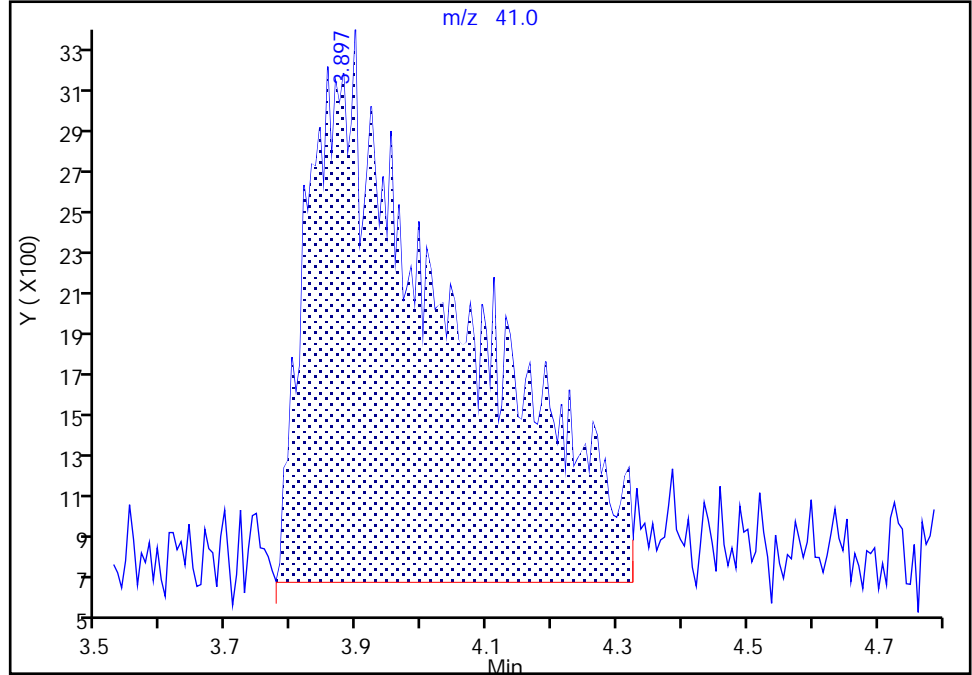
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\copy_HA19X06.D
 Injection Date: 19-Apr-2023 19:41:30 Instrument ID: 19094
 Lims ID: IC std5 5
 Client ID:
 Operator ID: mec29284 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
 Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Acetonitrile, CAS: 75-05-8

Signal: 1

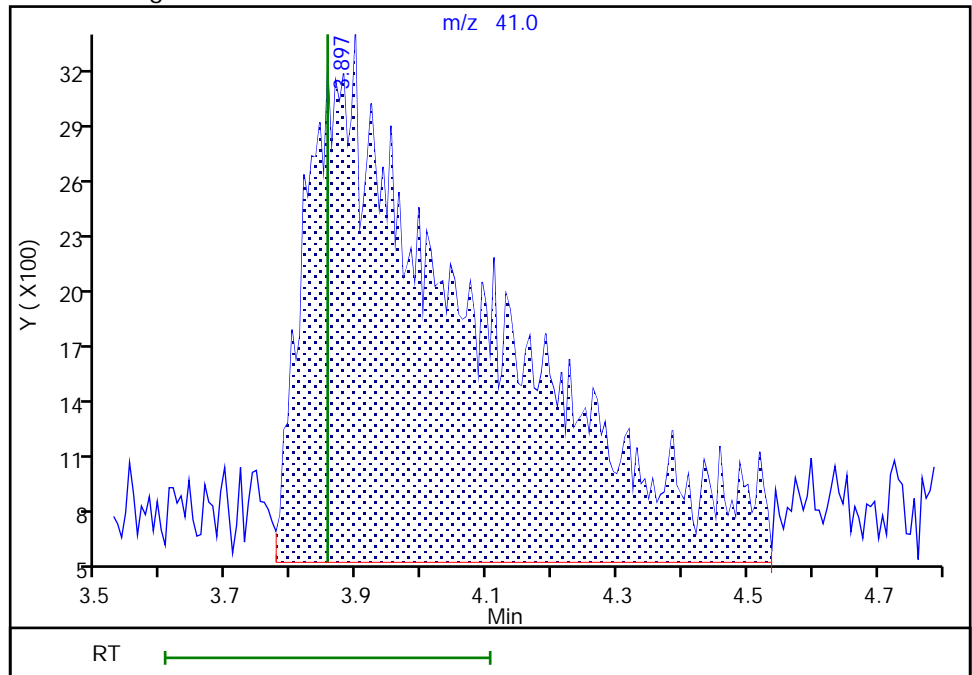
RT: 3.90
 Area: 40747
 Amount: 12.468249
 Amount Units: ug/l

Processing Integration Results



RT: 3.90
 Area: 50892
 Amount: 12.611541
 Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:08:27
 Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

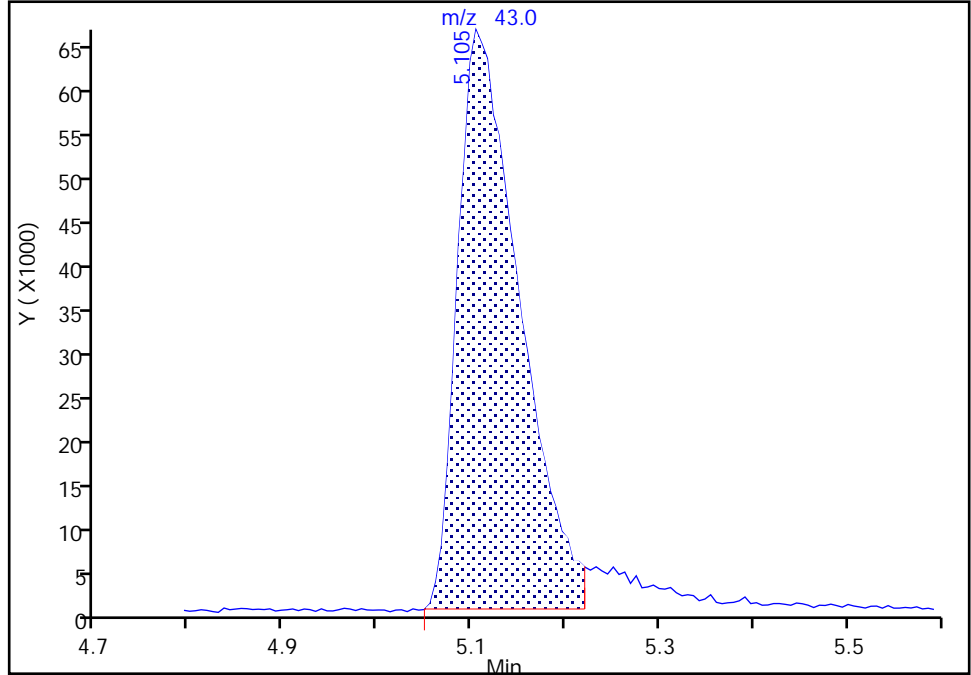
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\copy_HA19X06.D
Injection Date: 19-Apr-2023 19:41:30 Instrument ID: 19094
Lims ID: IC std5 5
Client ID:
Operator ID: mec29284 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

35 Vinyl acetate, CAS: 108-05-4

Signal: 1

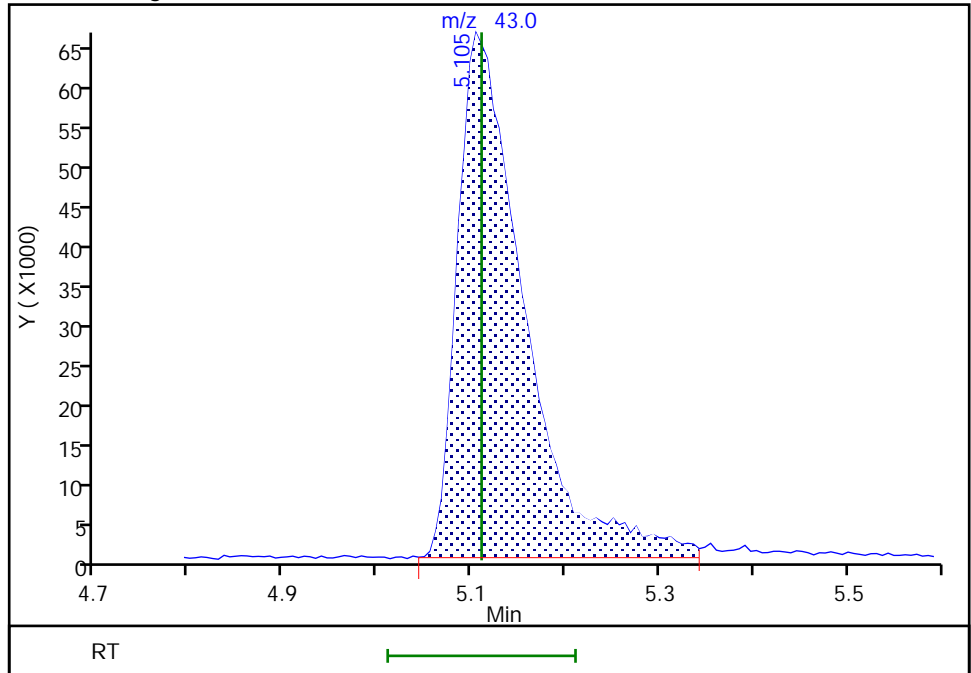
RT: 5.10
Area: 301458
Amount: 5.030682
Amount Units: ug/l

Processing Integration Results



RT: 5.10
Area: 325318
Amount: 5.257029
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:08:42
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

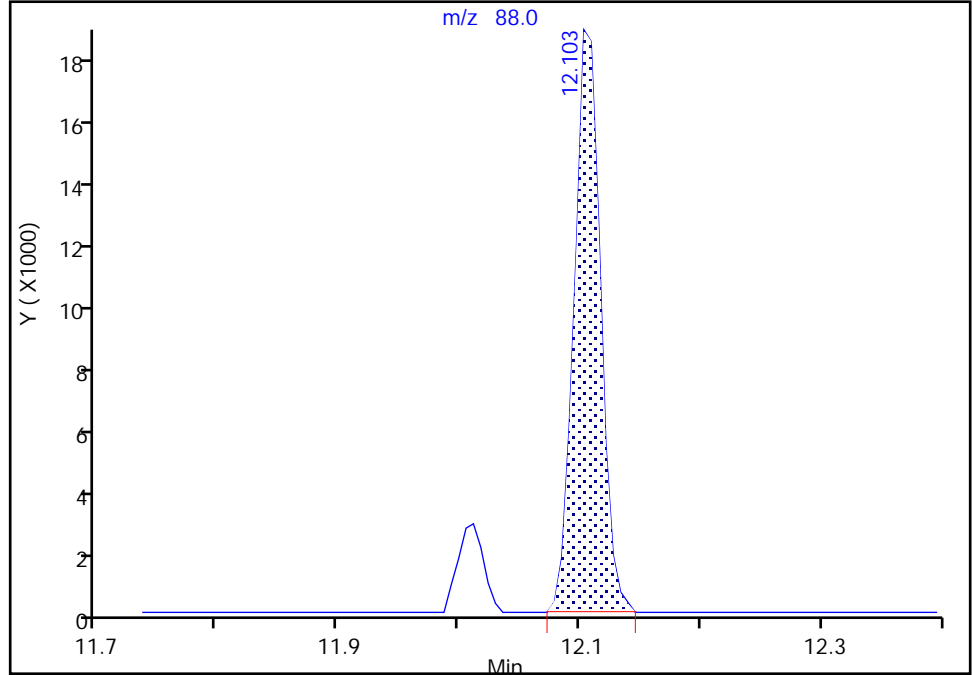
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\copy_HA19X06.D
Injection Date: 19-Apr-2023 19:41:30 Instrument ID: 19094
Lims ID: IC std5 5
Client ID:
Operator ID: mec29284 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

124 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

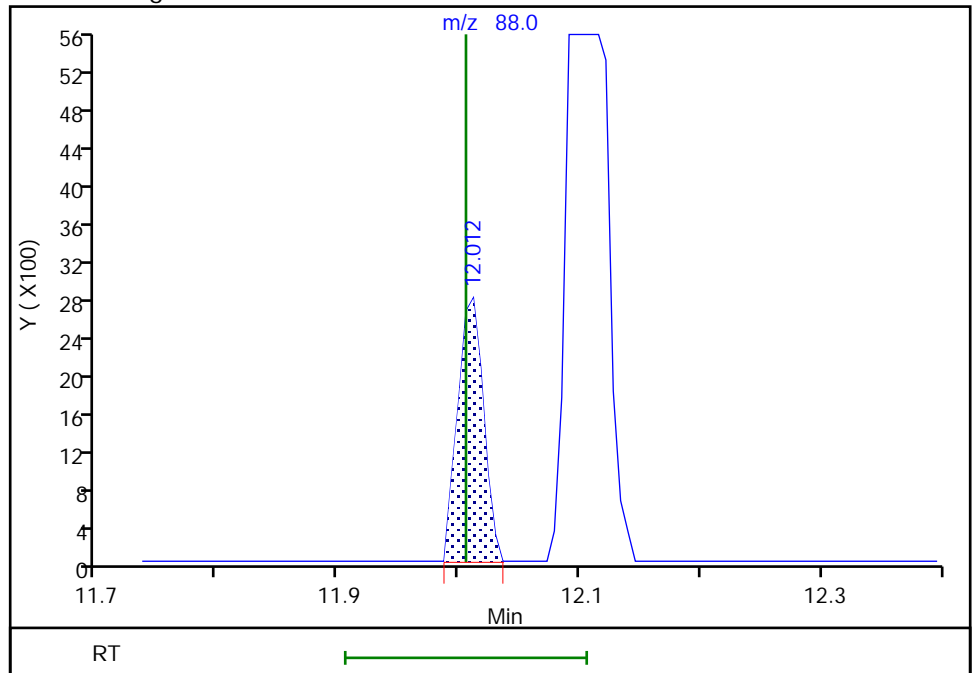
RT: 12.10
Area: 27704
Amount: 1.571727
Amount Units: ug/l

Processing Integration Results



RT: 12.01
Area: 4100
Amount: 10.138803
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:10:51
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\20230419-81852.b\HA19X07.D
 Lims ID: IC std6 10
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 19-Apr-2023 20:01:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0081852-008
 Operator ID: mec29284 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub52
 Method: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 23-Apr-2023 20:34:26 Calib Date: 19-Apr-2023 23:41:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1665

First Level Reviewer: K4WN Date: 23-Apr-2023 20:09:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.861	1.861	0.000	95	284882	10.0	10.0	
3 Chlorodifluoromethane	51	1.910	1.910	0.000	97	754882	10.0	9.42	
4 Dimethyl ether	45	1.977	1.977	0.000	99	656960	10.0	9.17	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.270	2.270	0.000	37	620984	10.0	9.89	
25 Acetonitrile	41	3.891	3.891	0.000	97	90387	50.0	22.1	M
* 28 t-Butyl alcohol-d10 (IS)	65	4.105	4.105	0.000	1	48614	50.0	50.0	
35 Vinyl acetate	43	5.104	5.104	0.000	97	596296	10.0	9.51	
45 Ethyl acetate	43	6.001	6.001	0.000	99	234222	10.0	9.36	
61 Isopropyl acetate	43	7.238	7.238	0.000	98	544669	10.0	9.93	
* 64 Fluorobenzene (IS)	96	7.561	7.561	0.000	99	1949679	10.0	10.0	
75 n-Propyl acetate	61	8.555	8.555	0.000	99	114261	10.0	10.5	
78 2-Chloroethyl vinyl ether	63	9.104	9.104	0.000	91	164459	10.0	11.0	
110 n-Butyl acetate	43	10.506	10.506	0.000	98	477171	10.0	9.87	
* 113 Chlorobenzene-d5 (IS)	117	11.097	11.097	0.000	86	1433567	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	12.005	12.005	0.000	24	8889	20.0	21.5	a
125 Cyclohexanone	55	12.042	12.042	0.000	92	136922	500.0	497.0	
* 141 1,4-Dichlorobenzene-d4	152	12.993	12.993	0.000	95	764537	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_V5ACE_00023	Amount Added: 1.00	Units: uL
MSV_CCV_CYC_00005	Amount Added: 8.00	Units: uL
MSV_V_SMRV4_00058	Amount Added: 5.00	Units: uL
MSV_DME_00047	Amount Added: 1.00	Units: uL
MSV_LLcentISS_00008	Amount Added: 5.00	Units: uL

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X07.D

Injection Date: 19-Apr-2023 20:01:30

Instrument ID: 19094

Operator ID: mec29284

Lims ID: IC std6 10

Worklist Smp#: 8

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

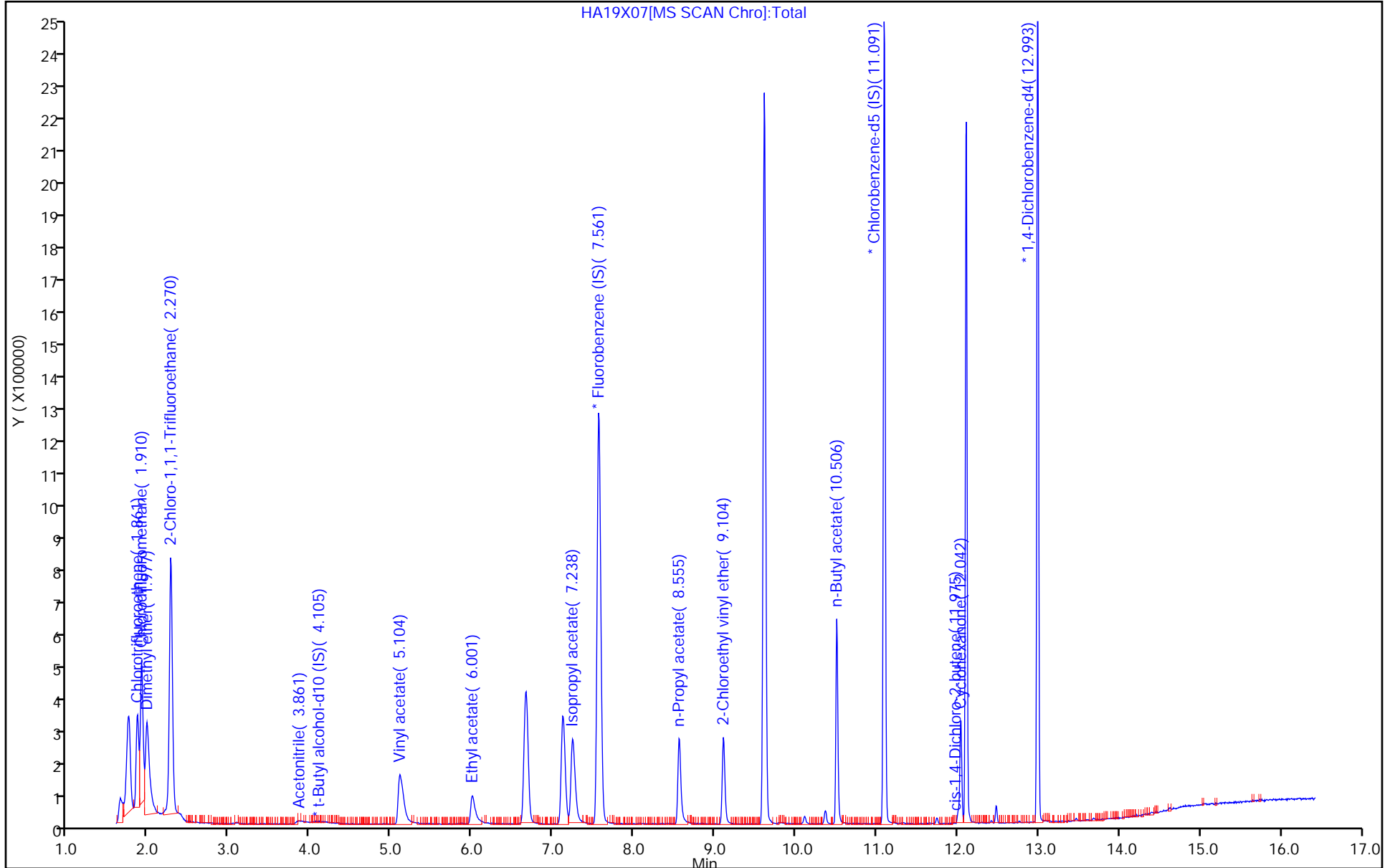
ALS Bottle#: 7

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



Eurofins Lancaster Laboratories Environment Testing, LLC

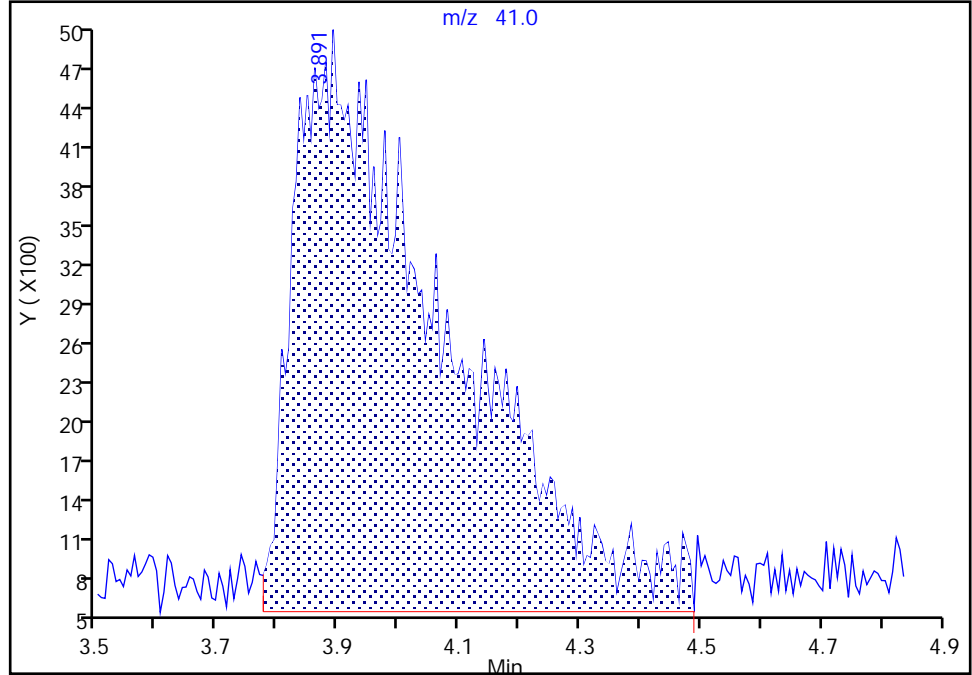
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X07.D
Injection Date: 19-Apr-2023 20:01:30 Instrument ID: 19094
Lims ID: IC std6 10
Client ID:
Operator ID: mec29284 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Acetonitrile, CAS: 75-05-8

Signal: 1

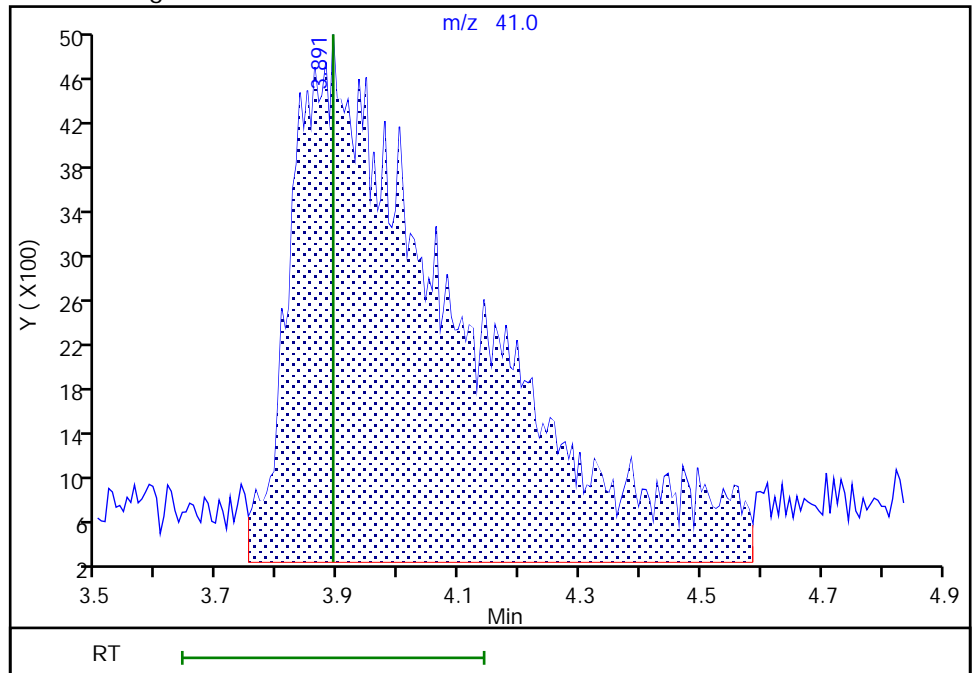
RT: 3.89
Area: 75671
Amount: 22.323606
Amount Units: ug/l

Processing Integration Results



RT: 3.89
Area: 90387
Amount: 22.114350
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:09:16
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

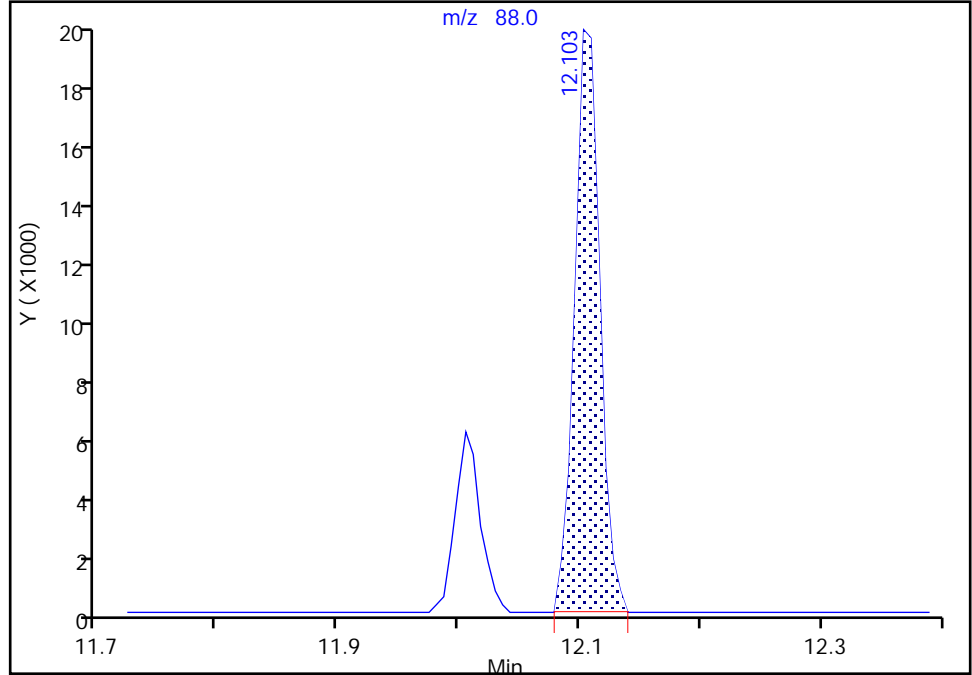
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X07.D
Injection Date: 19-Apr-2023 20:01:30 Instrument ID: 19094
Lims ID: IC std6 10
Client ID:
Operator ID: mec29284 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

124 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

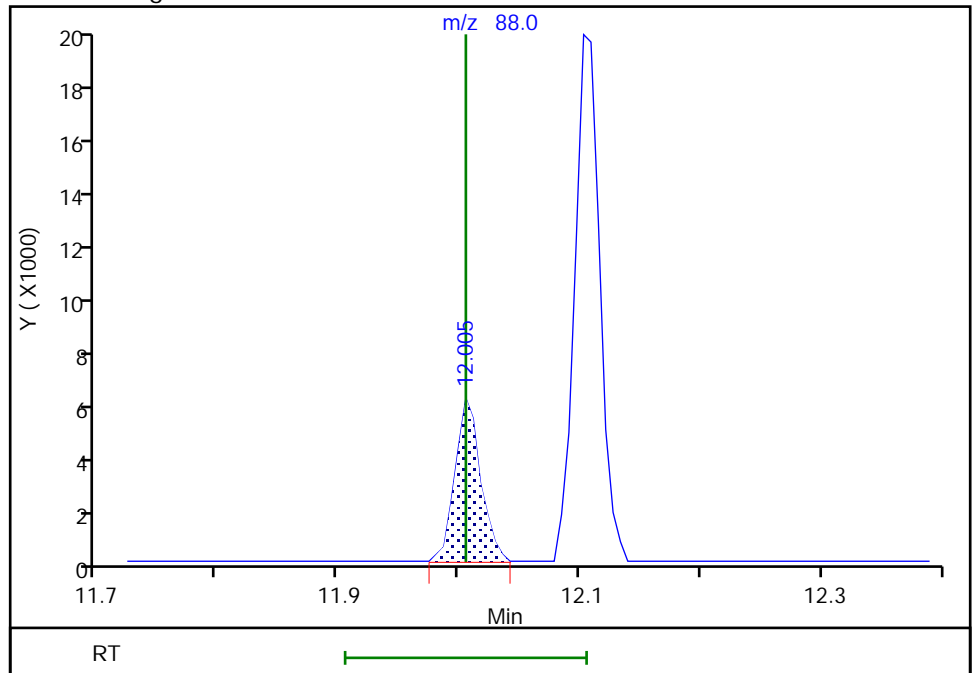
RT: 12.10
Area: 28433
Amount: 1.566241
Amount Units: ug/l

Processing Integration Results



RT: 12.01
Area: 8889
Amount: 21.529545
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:10:23
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\20230419-81852.b\HA19X08.D
 Lims ID: IC std7 25
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 19-Apr-2023 20:21:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0081852-009
 Operator ID: mec29284 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub52
 Method: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 23-Apr-2023 20:34:31 Calib Date: 19-Apr-2023 23:41:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1665

First Level Reviewer: K4WN Date: 23-Apr-2023 20:10:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.861	1.861	0.000	93	769546	25.0	27.2	
3 Chlorodifluoromethane	51	1.916	1.910	0.006	97	1959762	25.0	24.7	
4 Dimethyl ether	45	1.983	1.977	0.006	99	1701246	25.0	23.9	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.276	2.270	0.006	35	1598277	25.0	25.7	
25 Acetonitrile	41	3.830	3.891	-0.061	98	203071	125.0	50.1	M
* 28 t-Butyl alcohol-d10 (IS)	65	4.086	4.105	-0.019	19	57040	50.0	50.0	
35 Vinyl acetate	43	5.104	5.104	0.000	97	1756163	25.0	28.2	
45 Ethyl acetate	43	6.001	6.001	0.000	99	641091	25.0	25.8	
61 Isopropyl acetate	43	7.238	7.238	0.000	98	1472657	25.0	27.1	
* 64 Fluorobenzene (IS)	96	7.567	7.561	0.006	99	1934087	10.0	10.0	
75 n-Propyl acetate	61	8.555	8.555	0.000	99	310477	25.0	28.8	
78 2-Chloroethyl vinyl ether	63	9.104	9.104	0.000	91	407741	25.0	27.5	
110 n-Butyl acetate	43	10.506	10.506	0.000	98	1311969	25.0	27.5	
* 113 Chlorobenzene-d5 (IS)	117	11.097	11.097	0.000	86	1413880	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	12.006	12.005	0.001	24	22570	50.0	55.4	a
125 Cyclohexanone	55	12.036	12.042	-0.006	93	417463	1250.0	1291.4	
* 141 1,4-Dichlorobenzene-d4	152	12.993	12.993	0.000	95	756339	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_V5ACE_00023	Amount Added: 2.50	Units: uL
MSV_CCV_CYC_00005	Amount Added: 20.00	Units: uL
MSV_V_SMRV4_00058	Amount Added: 12.50	Units: uL
MSV_DME_00047	Amount Added: 2.50	Units: uL
MSV_LLcentISS_00008	Amount Added: 5.00	Units: uL

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X08.D

Injection Date: 19-Apr-2023 20:21:30

Instrument ID: 19094

Operator ID: mec29284

Lims ID: IC std7 25

Worklist Smp#: 9

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

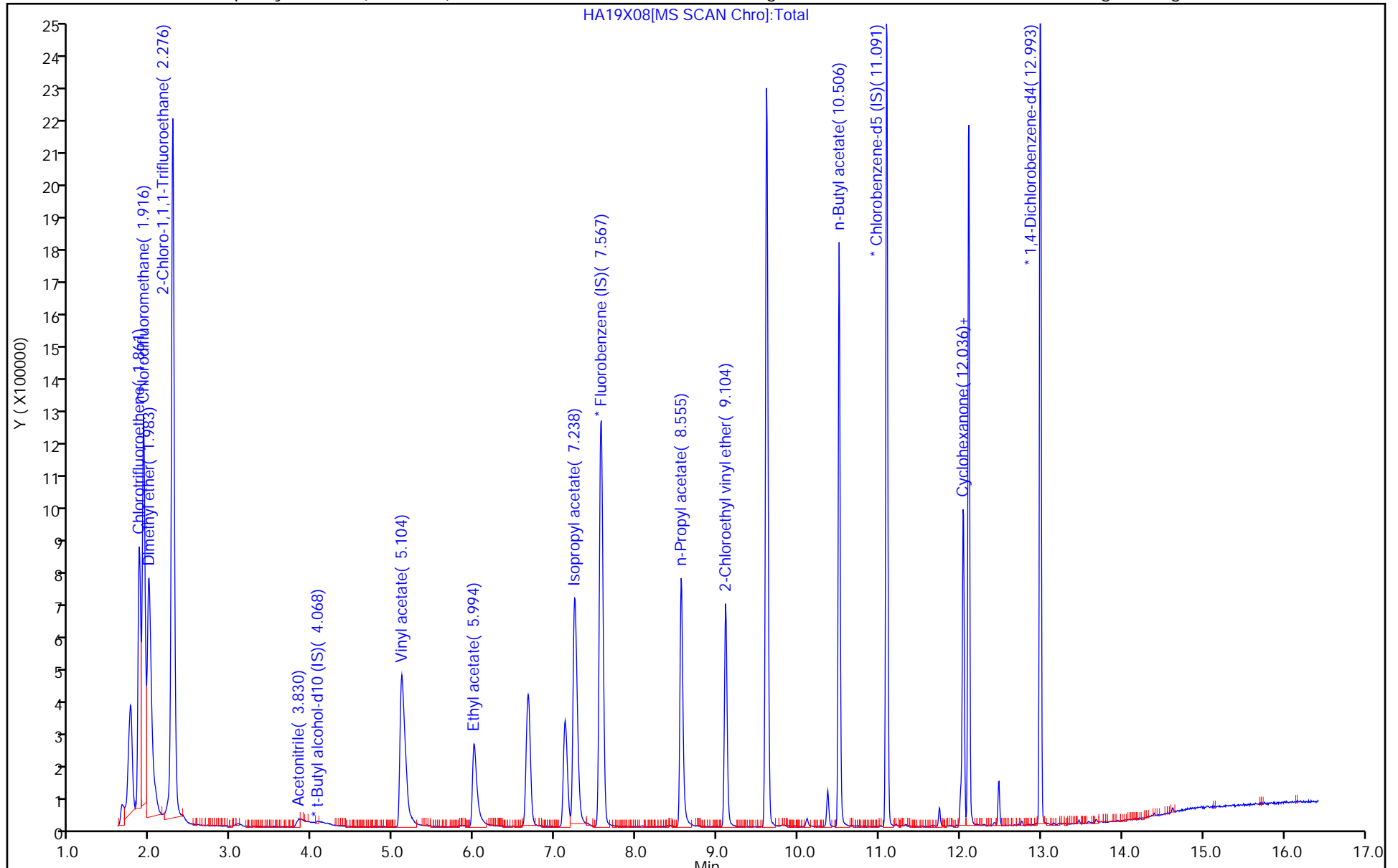
ALS Bottle#: 8

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



Eurofins Lancaster Laboratories Environment Testing, LLC

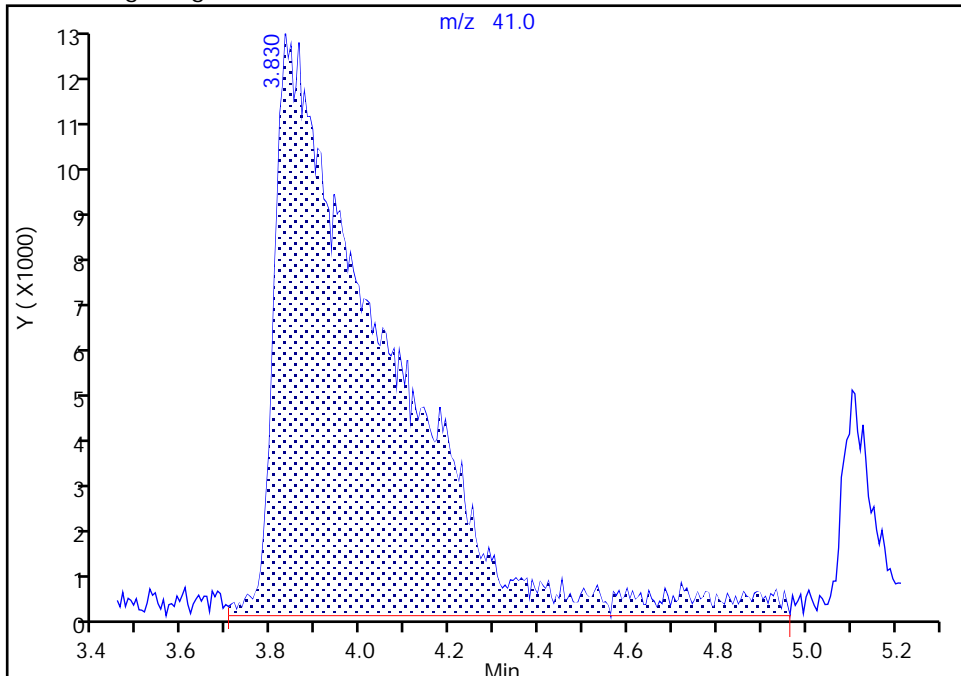
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X08.D
Injection Date: 19-Apr-2023 20:21:30 Instrument ID: 19094
Lims ID: IC std7 25
Client ID:
Operator ID: mec29284 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Acetonitrile, CAS: 75-05-8

Signal: 1

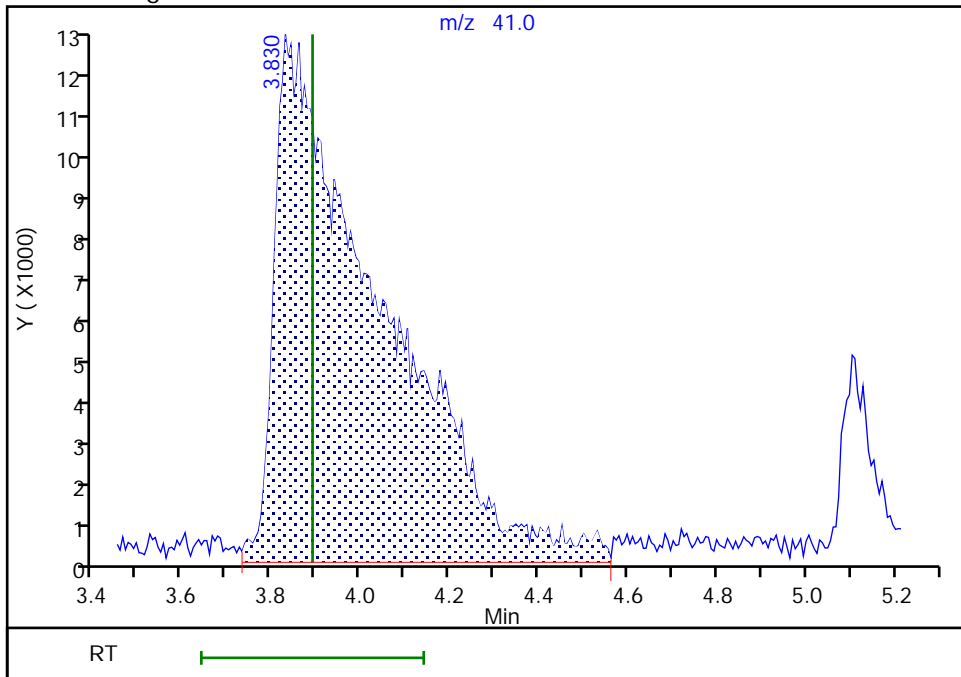
RT: 3.83
Area: 208643
Amount: 60.938876
Amount Units: ug/l

Processing Integration Results



RT: 3.83
Area: 203071
Amount: 50.084487
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:09:51
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

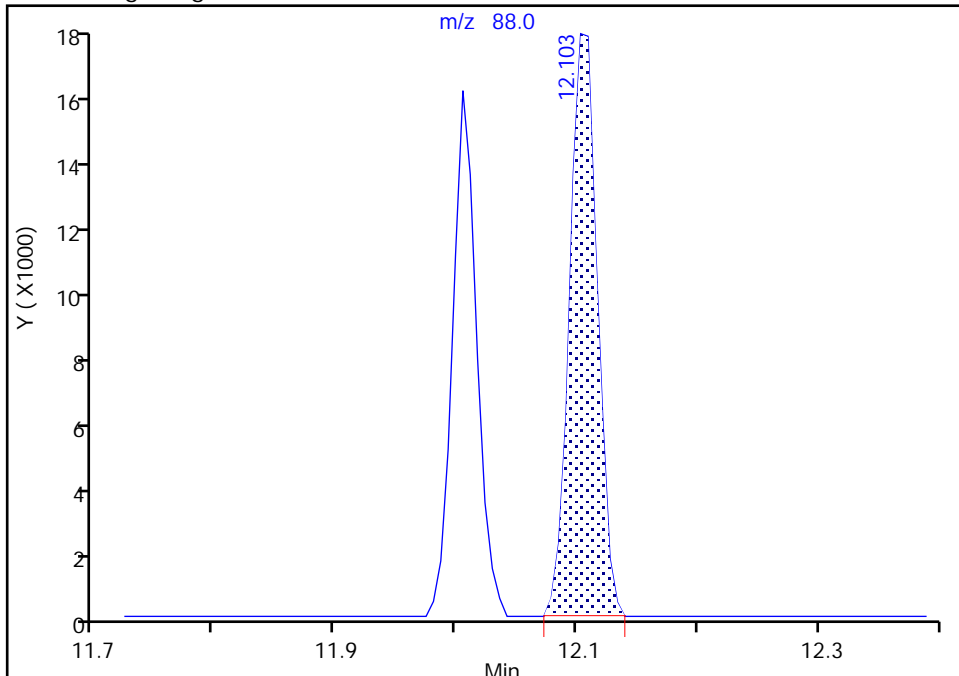
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X08.D
Injection Date: 19-Apr-2023 20:21:30 Instrument ID: 19094
Lims ID: IC std7 25
Client ID:
Operator ID: mec29284 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

124 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

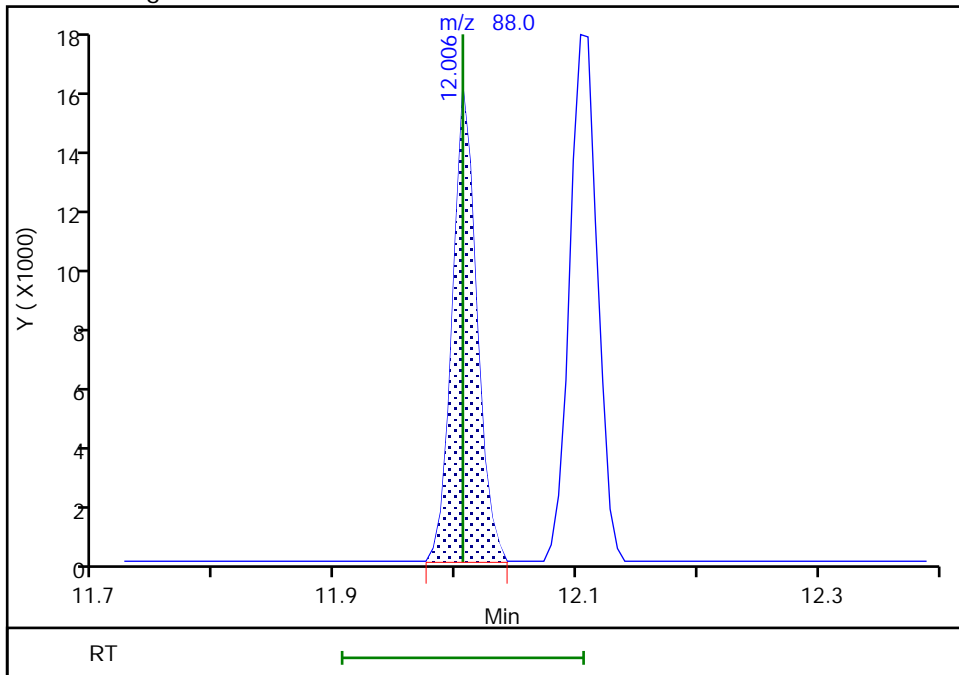
RT: 12.10
Area: 28659
Amount: 1.613076
Amount Units: ug/l

Processing Integration Results



RT: 12.01
Area: 22570
Amount: 55.426690
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:10:40
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Calibration

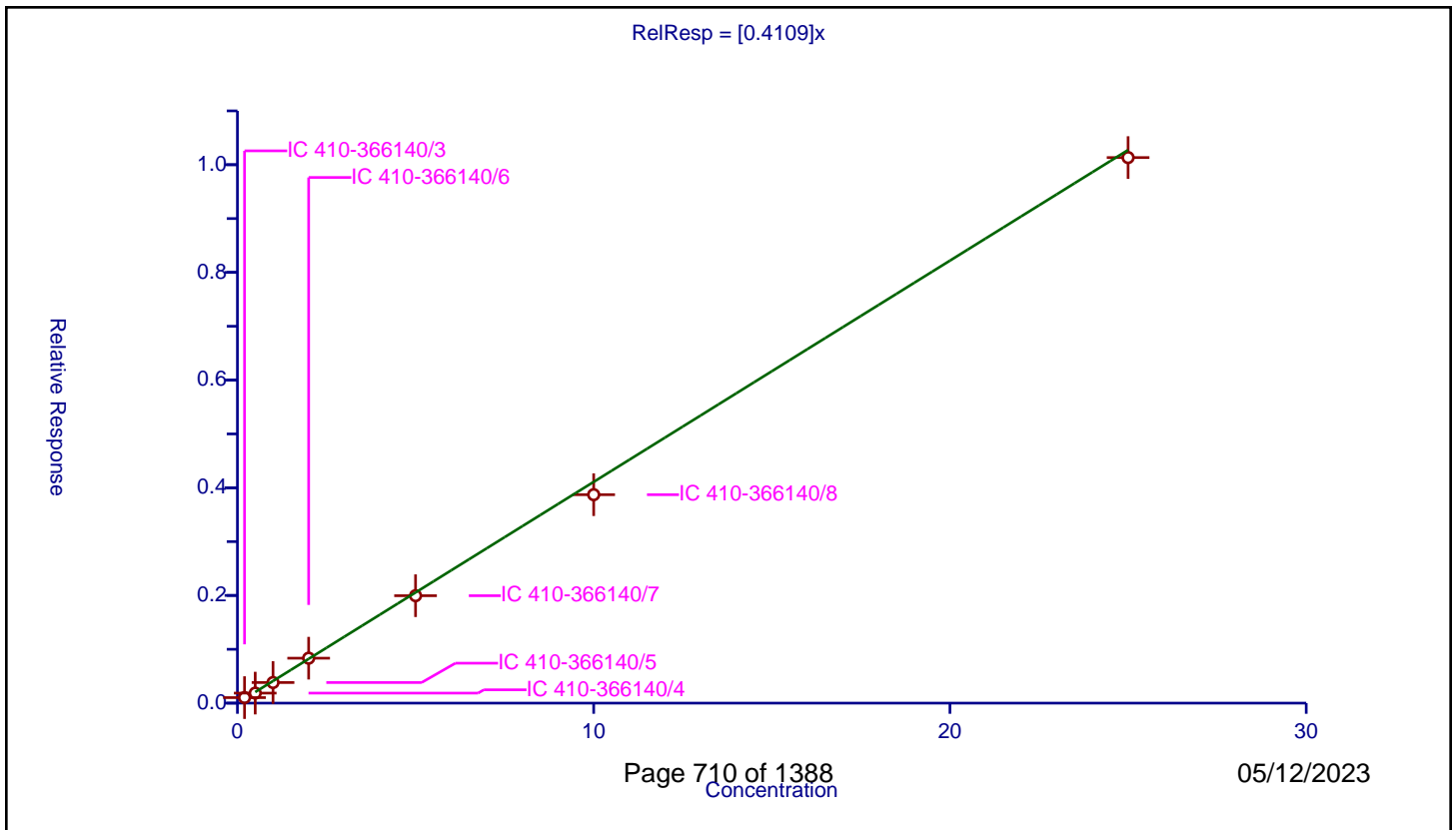
/ Chlorodifluoromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4109

Error Coefficients	
Standard Error:	875000
Relative Standard Error:	11.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/3	0.2	0.102419	10.0	1921234.0	0.512093	Y
2	IC 410-366140/4	0.5	0.186375	10.0	1926706.0	0.37275	Y
3	IC 410-366140/5	1.0	0.382546	10.0	1941725.0	0.382546	Y
4	IC 410-366140/6	2.0	0.835004	10.0	1924949.0	0.417502	Y
5	IC 410-366140/7	5.0	1.995537	10.0	1924920.0	0.399107	Y
6	IC 410-366140/8	10.0	3.871827	10.0	1949679.0	0.387183	Y
7	IC 410-366140/9	25.0	10.13275	10.0	1934087.0	0.40531	Y



Calibration

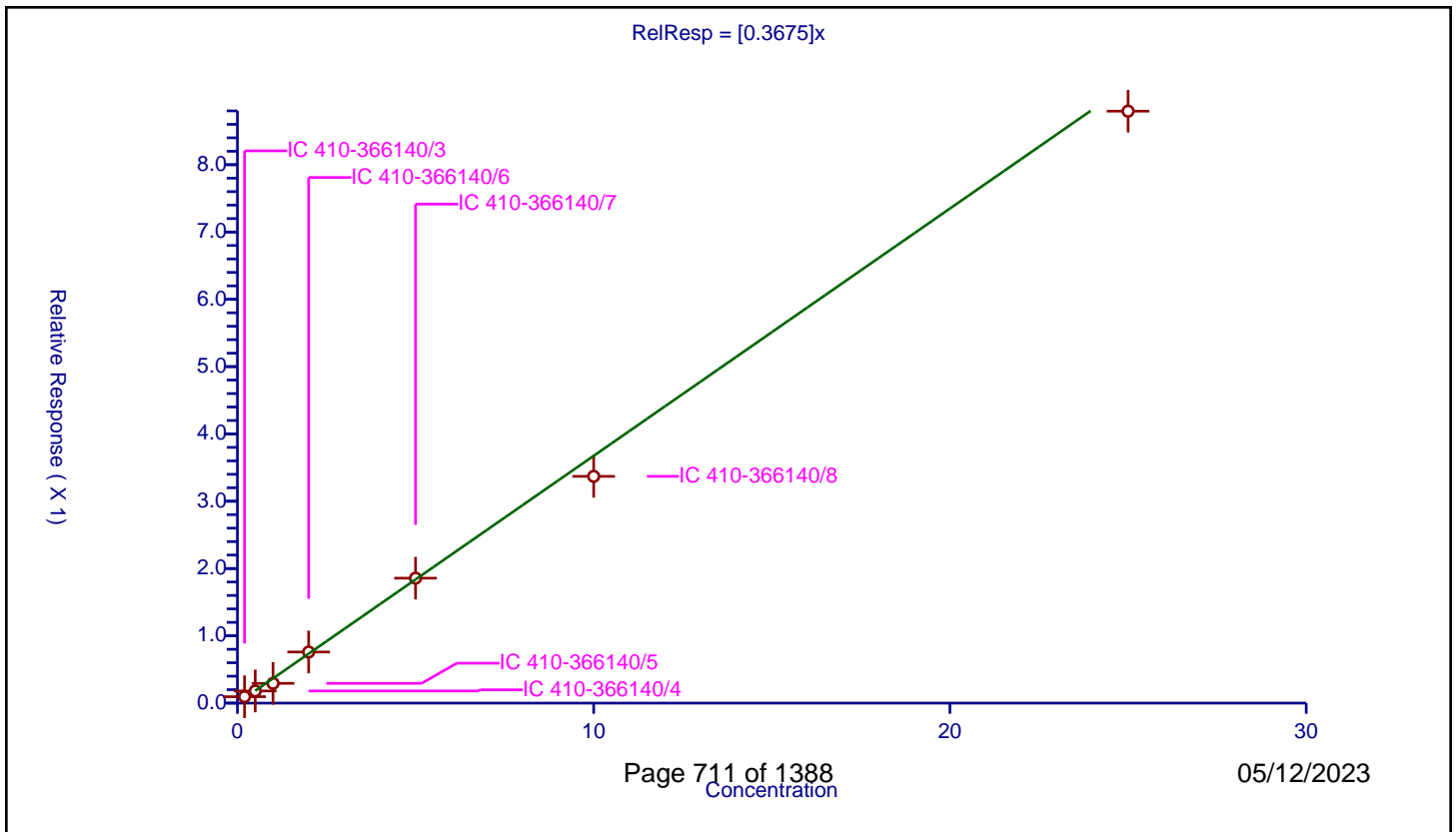
/ Dimethyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.3675

Error Coefficients	
Standard Error:	762000
Relative Standard Error:	15.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.963

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/3	0.2	0.095512	10.0	1921234.0	0.477558	Y
2	IC 410-366140/4	0.5	0.180552	10.0	1926706.0	0.361103	Y
3	IC 410-366140/5	1.0	0.293651	10.0	1941725.0	0.293651	Y
4	IC 410-366140/6	2.0	0.759506	10.0	1924949.0	0.379753	Y
5	IC 410-366140/7	5.0	1.856752	10.0	1924920.0	0.37135	Y
6	IC 410-366140/8	10.0	3.36958	10.0	1949679.0	0.336958	Y
7	IC 410-366140/9	25.0	8.796119	10.0	1934087.0	0.351845	Y



Calibration

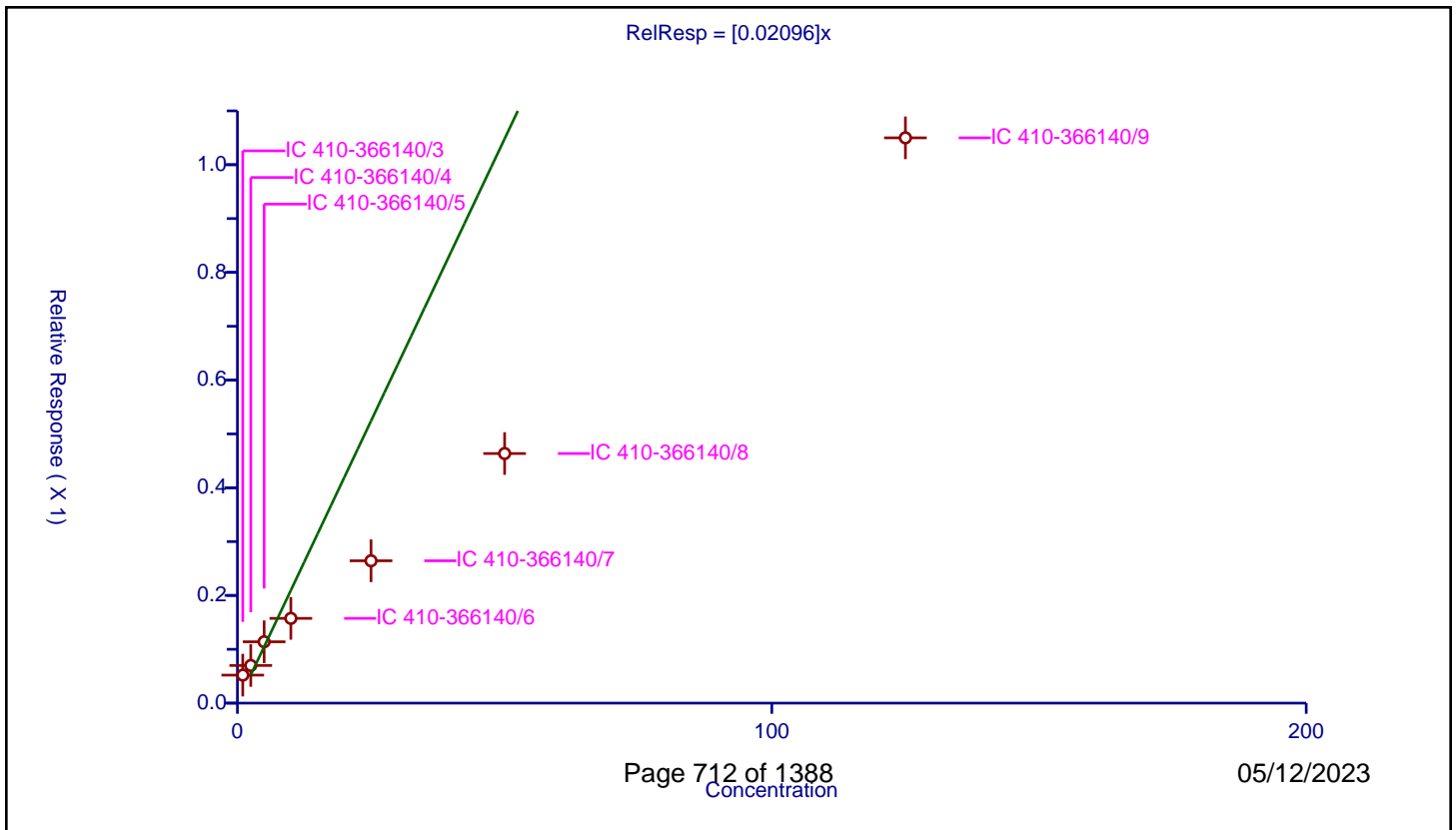
/ Acetonitrile

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

Curve Coefficients	
Intercept:	0
Slope:	0.02096

Error Coefficients	
Standard Error:	94600
Relative Standard Error:	74.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/3	1.0	0.051998	10.0	1921234.0	0.051998	Y
2	IC 410-366140/4	2.5	0.069928	10.0	1926706.0	0.027971	Y
3	IC 410-366140/5	5.0	0.113945	10.0	1941725.0	0.022789	Y
4	IC 410-366140/6	10.0	0.157412	10.0	1924949.0	0.015741	Y
5	IC 410-366140/7	25.0	0.264385	10.0	1924920.0	0.010575	Y
6	IC 410-366140/8	50.0	0.463599	10.0	1949679.0	0.009272	Y
7	IC 410-366140/9	125.0	1.049958	10.0	1934087.0	0.0084	Y



Calibration

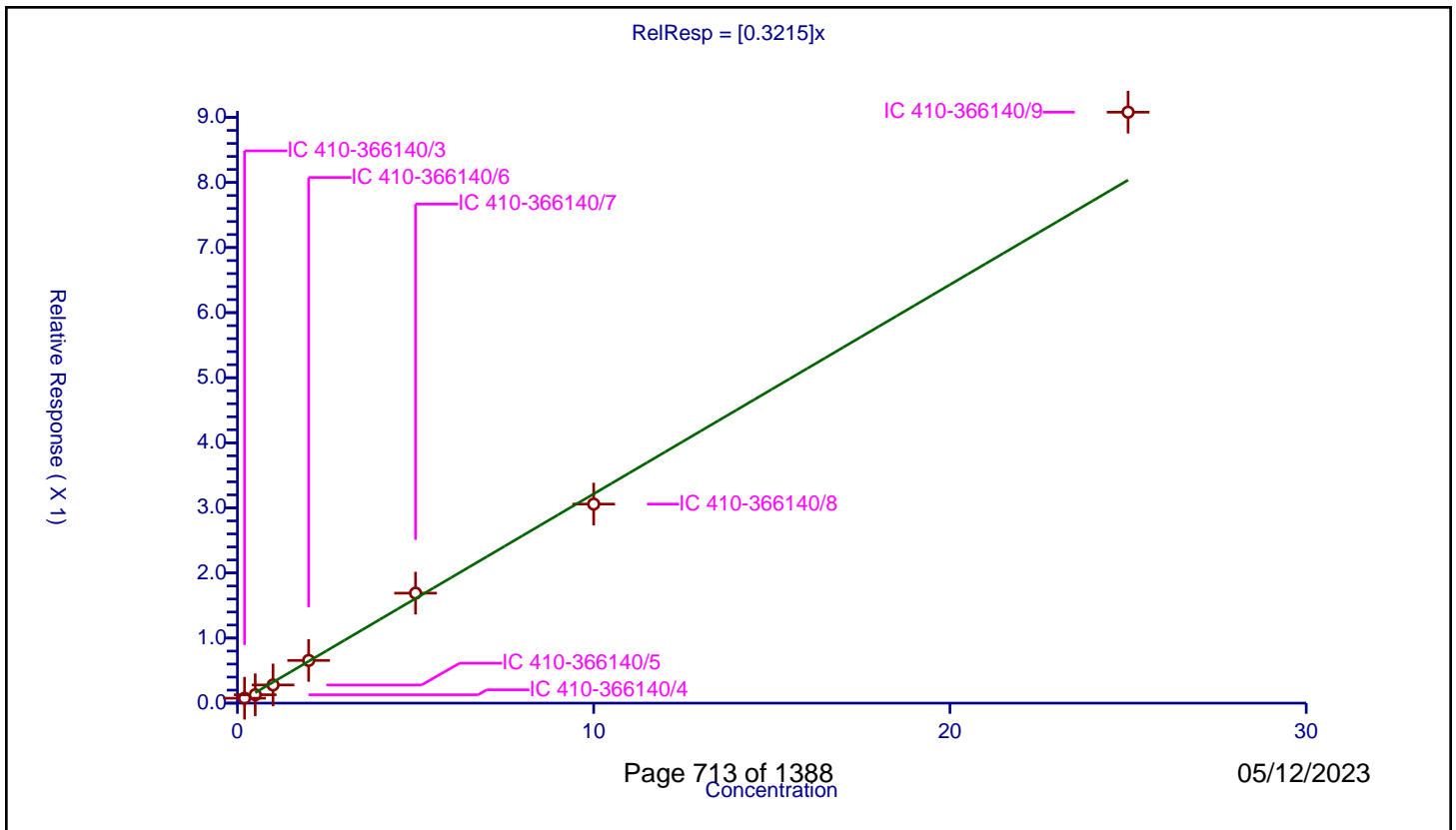
/ Vinyl acetate

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

Curve Coefficients	
Intercept:	0
Slope:	0.3215

Error Coefficients	
Standard Error:	771000
Relative Standard Error:	13.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/3	0.2	0.07567	10.0	1921234.0	0.378351	Y
2	IC 410-366140/4	0.5	0.128707	10.0	1926706.0	0.257413	Y
3	IC 410-366140/5	1.0	0.279504	10.0	1941725.0	0.279504	Y
4	IC 410-366140/6	2.0	0.65609	10.0	1924949.0	0.328045	Y
5	IC 410-366140/7	5.0	1.690034	10.0	1924920.0	0.338007	Y
6	IC 410-366140/8	10.0	3.058432	10.0	1949679.0	0.305843	Y
7	IC 410-366140/9	25.0	9.080062	10.0	1934087.0	0.363202	Y



Calibration

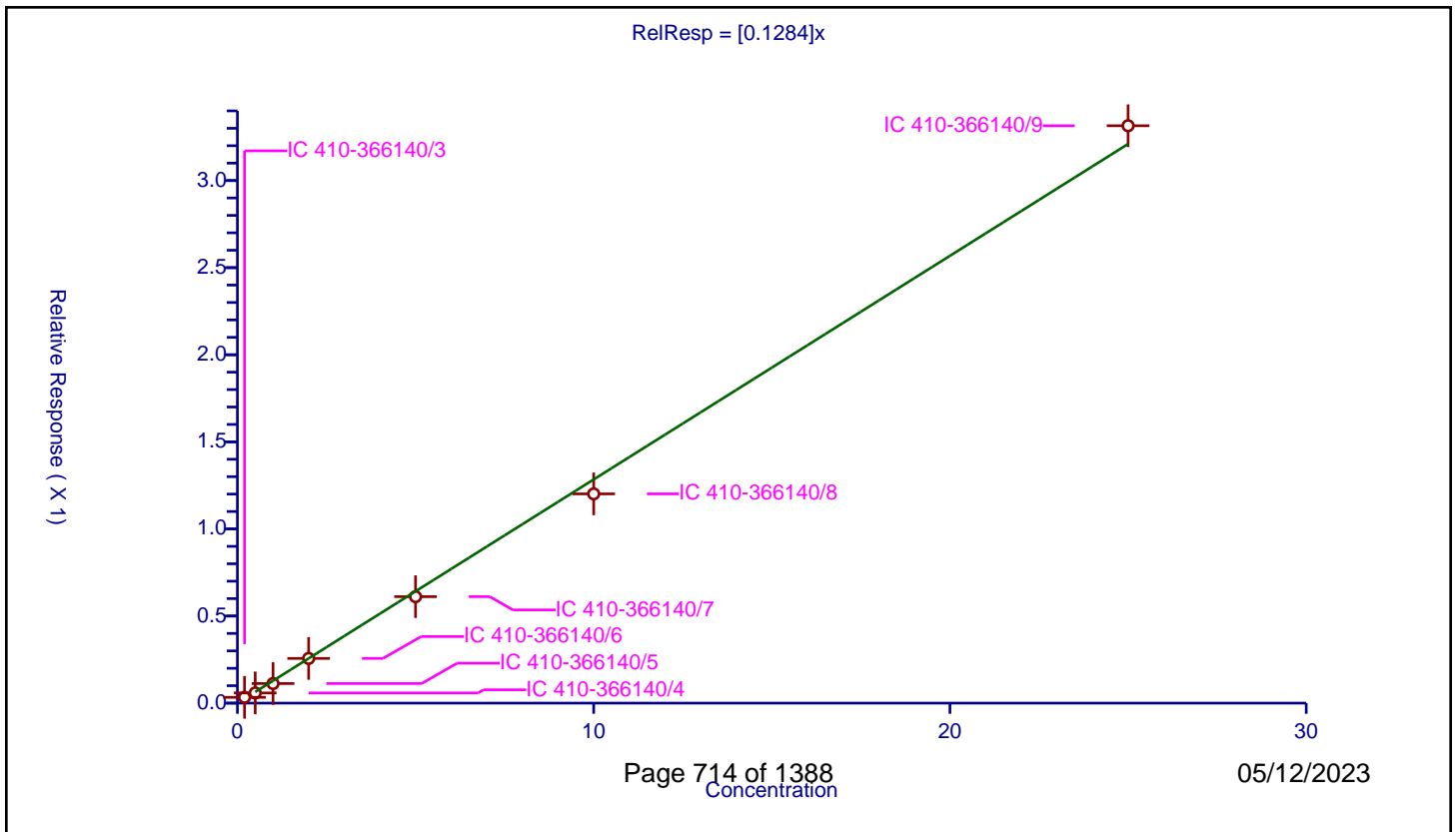
/ Ethyl acetate

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

Curve Coefficients	
Intercept:	0
Slope:	0.1284

Error Coefficients	
Standard Error:	284000
Relative Standard Error:	14.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/3	0.2	0.033223	10.0	1921234.0	0.166117	Y
2	IC 410-366140/4	0.5	0.058509	10.0	1926706.0	0.117018	Y
3	IC 410-366140/5	1.0	0.11241	10.0	1941725.0	0.11241	Y
4	IC 410-366140/6	2.0	0.256578	10.0	1924949.0	0.128289	Y
5	IC 410-366140/7	5.0	0.611147	10.0	1924920.0	0.122229	Y
6	IC 410-366140/8	10.0	1.201336	10.0	1949679.0	0.120134	Y
7	IC 410-366140/9	25.0	3.314696	10.0	1934087.0	0.132588	Y



Calibration

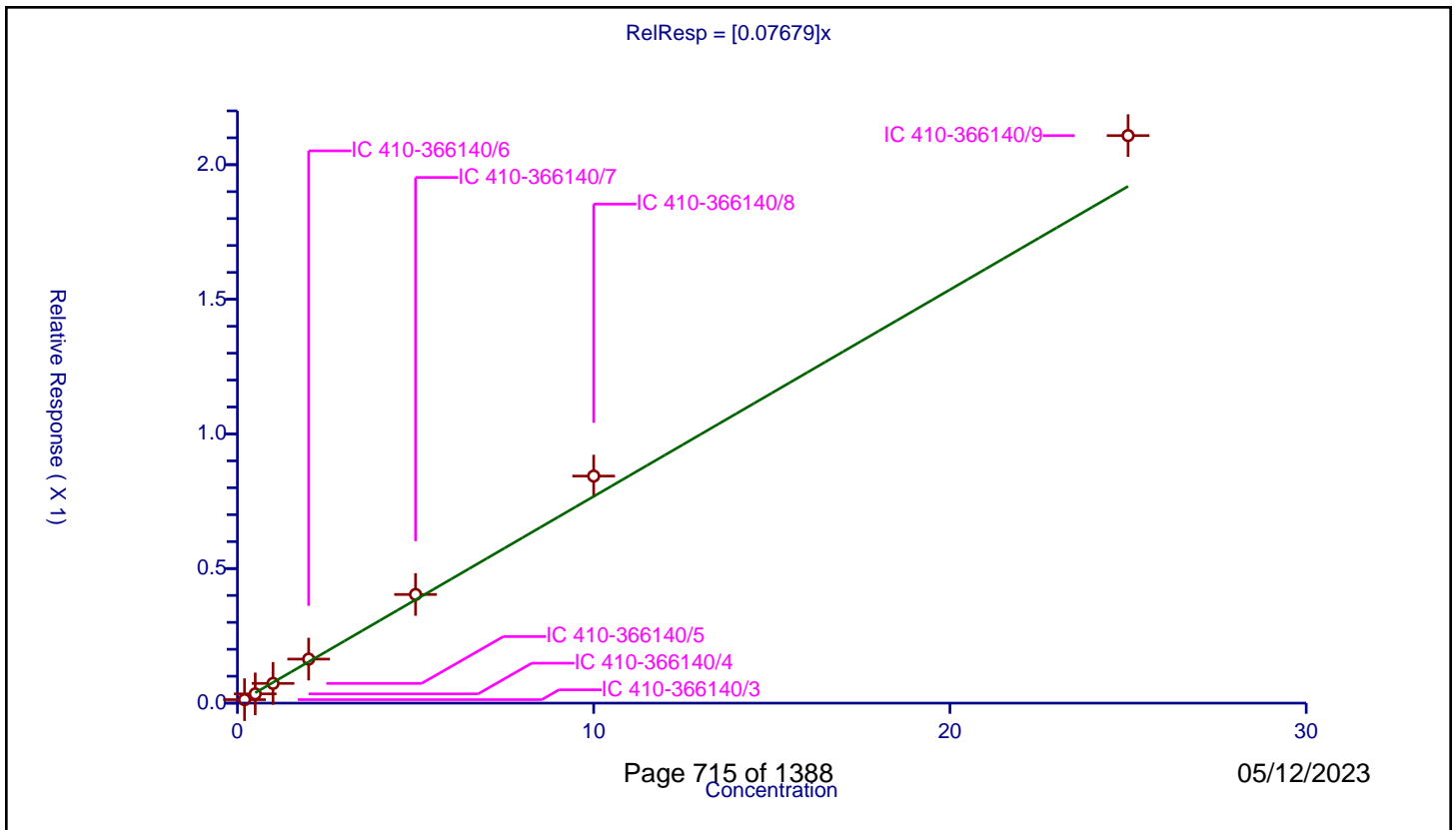
/ 2-Chloroethyl vinyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.07679

Error Coefficients	
Standard Error:	183000
Relative Standard Error:	10.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/3	0.2	0.012867	10.0	1921234.0	0.064334	Y
2	IC 410-366140/4	0.5	0.034395	10.0	1926706.0	0.068791	Y
3	IC 410-366140/5	1.0	0.073234	10.0	1941725.0	0.073234	Y
4	IC 410-366140/6	2.0	0.163589	10.0	1924949.0	0.081794	Y
5	IC 410-366140/7	5.0	0.403601	10.0	1924920.0	0.08072	Y
6	IC 410-366140/8	10.0	0.843518	10.0	1949679.0	0.084352	Y
7	IC 410-366140/9	25.0	2.108183	10.0	1934087.0	0.084327	Y



Calibration

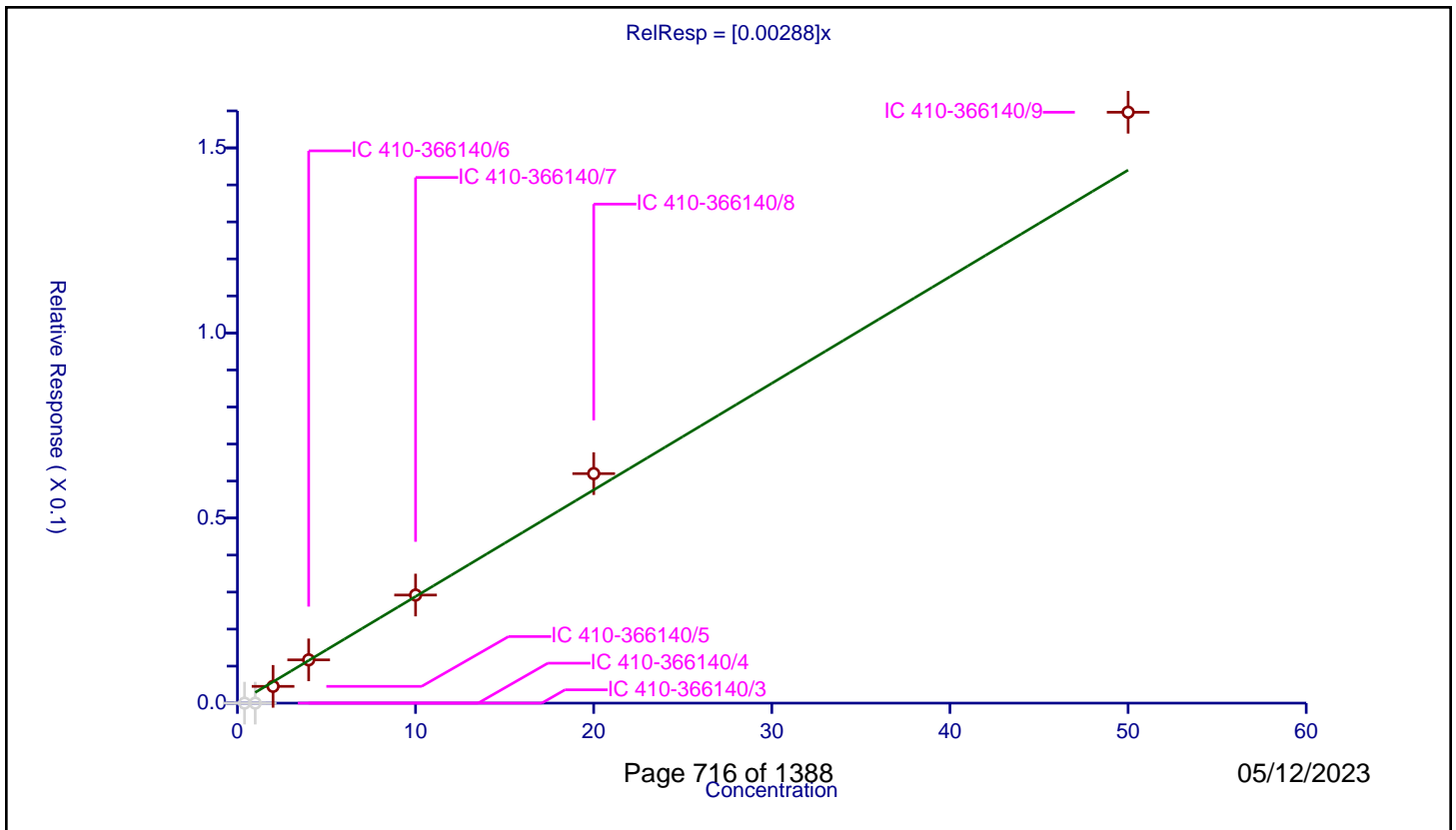
/ cis-1,4-Dichloro-2-butene

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

Curve Coefficients	
Intercept:	0
Slope:	0.00288

Error Coefficients	
Standard Error:	12300
Relative Standard Error:	12.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/3	0.400029	0.0	10.0	1401277.0	0.0	N
2	IC 410-366140/4	1.000073	0.0	10.0	1393375.0	0.0	N
3	IC 410-366140/5	2.000147	0.004531	10.0	1406013.0	0.002265	Y
4	IC 410-366140/6	4.000293	0.011692	10.0	1401780.0	0.002923	Y
5	IC 410-366140/7	10.000734	0.0292	10.0	1404097.0	0.00292	Y
6	IC 410-366140/8	20.001467	0.062006	10.0	1433567.0	0.0031	Y
7	IC 410-366140/9	50.003668	0.159632	10.0	1413880.0	0.003192	Y



Calibration

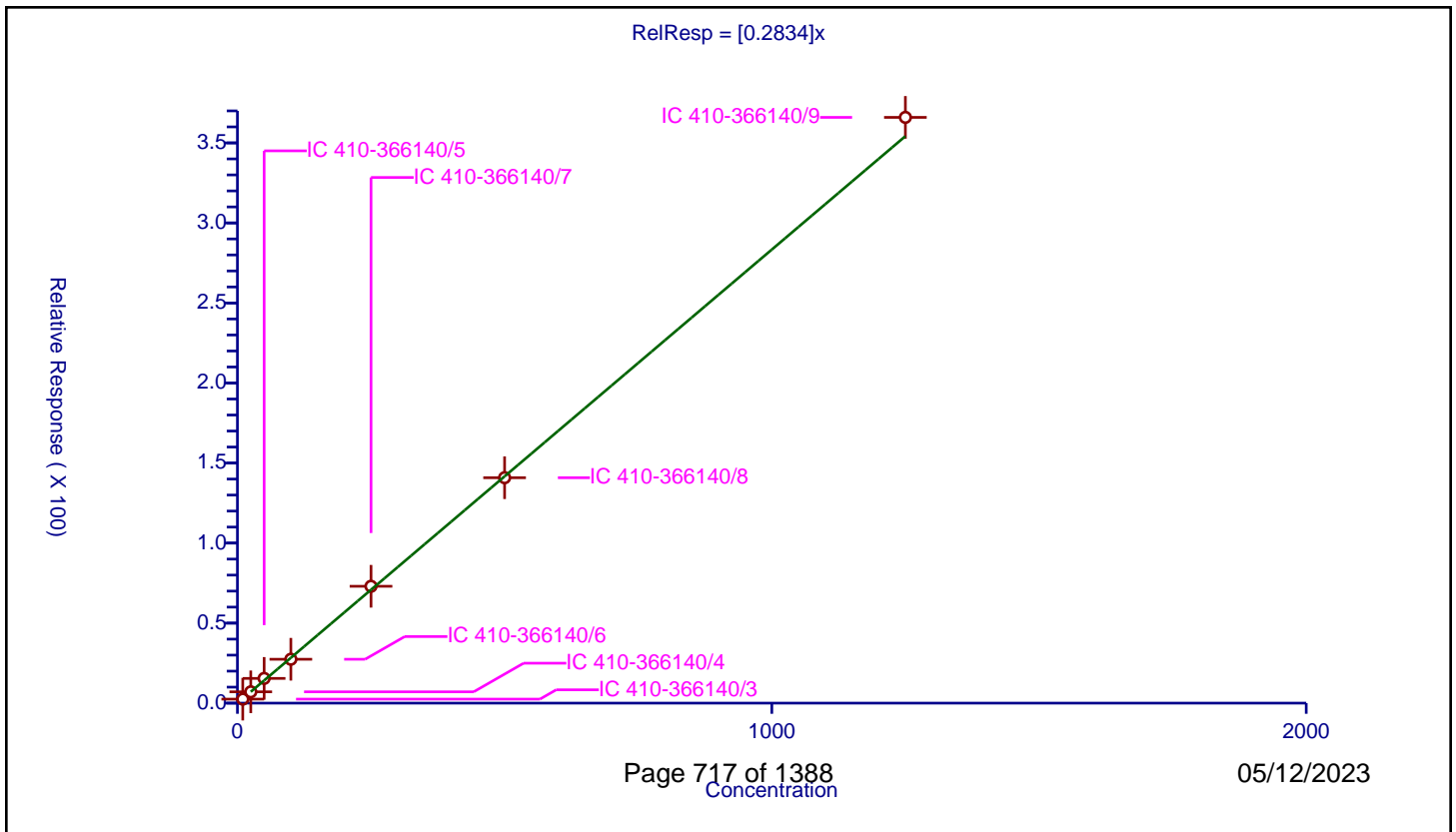
/ Cyclohexanone

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

Curve Coefficients	
Intercept:	0
Slope:	0.2834

Error Coefficients	
Standard Error:	184000
Relative Standard Error:	6.4
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/3	9.9996	2.509337	50.0	57565.0	0.250944	Y
2	IC 410-366140/4	24.999	7.069407	50.0	63697.0	0.282788	Y
3	IC 410-366140/5	49.998	15.456759	50.0	69413.0	0.309148	Y
4	IC 410-366140/6	99.996	27.417377	50.0	66053.0	0.274185	Y
5	IC 410-366140/7	249.99	73.006955	50.0	62116.0	0.29204	Y
6	IC 410-366140/8	499.98	140.825688	50.0	48614.0	0.281663	Y
7	IC 410-366140/9	1249.95	365.938815	50.0	57040.0	0.292763	Y



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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-124489-1 Analy Batch No.: 366140
 Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2023 21:41 Calibration End Date: 04/19/2023 23:41 Calibration ID: 49526

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-366140/13	HA19X12.D
Level 2	IC 410-366140/14	HA19X13.D
Level 3	IC 410-366140/15	HA19X14.D
Level 4	IC 410-366140/16	HA19X15.D
Level 5	IC 410-366140/17	HA19X16.D
Level 6	ICIS 410-366140/18	HA19X17.D
Level 7	IC 410-366140/19	HA19X18.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 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
Dichlorodifluoromethane	++++ 0.3211	0.3607 0.3078	0.3678	0.3021	0.3264	Ave		0.331 0			0.1000	8.3	20.0				
Chloromethane	0.4982 0.4086	0.4363 0.4041	0.4554	0.4447	0.4151	Ave		0.437 5			0.1000	7.5	20.0				
1,3-Butadiene	0.4983 0.3852	0.4351 0.3662	0.4264	0.4201	0.4023	Ave		0.419 1				10.1	20.0				
Vinyl chloride	0.4478 0.3943	0.4058 0.3855	0.4341	0.4008	0.3923	Ave		0.408 7			0.1000	5.7	20.0				
Bromomethane	0.2793 0.2453	0.2529 0.2406	0.2624	0.2587	0.2467	Ave		0.255 1			0.1000	5.1	20.0				
Chloroethane	0.2540 0.2173	0.2326 0.2160	0.2350	0.2274	0.2200	Ave		0.228 9			0.1000	5.8	20.0				
Dichlorofluoromethane	0.6541 0.5060	0.5544 0.5005	0.5562	0.5392	0.5257	Ave		0.548 0			0.1000	9.4	20.0				
Trichlorofluoromethane	0.5035 0.4660	0.4387 0.4522	0.4775	0.4346	0.4649	Ave		0.462 5			0.1000	5.1	20.0				
Ethyl ether	0.1947 0.1804	0.1901 0.1773	0.1790	0.2016	0.1890	Ave		0.187 4				4.8	20.0				
Freon 123a	0.4603 0.3266	0.3608 0.3228	0.3844	0.3311	0.3342	Ave		0.360 0				13.7	20.0				
Acrolein	3.5549 3.1977	3.6222 2.9242	3.0184	3.2907	3.5078	Ave		3.302 3				8.2	20.0				
1,1-Dichloroethene	0.2353 0.2271	0.2401 0.2217	0.2383	0.2090	0.2235	Ave		0.227 8			0.1000	4.8	20.0				
Acetone	++++ 3.1585	4.1717 2.7004	3.2045	3.2571	3.3103	Ave		3.300 4			0.1000	14.5	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.: 410-124489-1

Analy Batch No.: 366140

SDG No.:

Instrument ID: 19094

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

Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2023 21:41

Calibration End Date: 04/19/2023 23:41

Calibration ID: 49526

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	0.1774 0.2363	0.2014 0.2303	0.2261	0.2025	0.2243	Ave		0.214 1		0.1000	9.8		20.0				
Methyl iodide	0.3713 0.4241	0.4160 0.4143	0.4318	0.3998	0.4182	Ave		0.410 8			4.9		20.0				
Carbon disulfide	0.6161 0.6612	0.6636 0.6568	0.6734	0.6084	0.6506	Ave		0.647 2		0.1000	3.9		20.0				
Methyl acetate	12.318 10.215	11.889 9.1344	11.167	11.701	10.862	Ave		11.04 1		0.1000	9.9		20.0				
Allyl chloride	0.3724 0.4104	0.4410 0.4054	0.4102	0.3829	0.4052	Ave		0.403 9			5.4		20.0				
Methylene Chloride	0.2357 0.2412	0.2535 0.2344	0.2484	0.2324	0.2433	Ave		0.241 3		0.1000	3.2		20.0				
t-Butyl alcohol	0.8178 0.9736	1.1048 0.8644	1.1027	0.9781	0.9122	Ave		0.964 8			11.5		20.0				
Acrylonitrile	3.4636 5.0257	5.9166 4.6661	5.0850	5.1597	5.4683	Ave		4.969 3			15.5		20.0				
Methyl tertiary butyl ether	0.5013 0.5513	0.5732 0.5290	0.5751	0.5402	0.5571	Ave		0.546 7		0.1000	4.8		20.0				
trans-1,2-Dichloroethene	0.2660 0.2509	0.2653 0.2469	0.2697	0.2374	0.2480	Ave		0.254 9		0.1000	4.8		20.0				
n-Hexane	0.3412 0.3320	0.2855 0.3230	0.3050	0.2750	0.3111	Ave		0.310 4			7.8		20.0				
1,1-Dichloroethane	0.4314 0.4951	0.4923 0.4843	0.5100	0.4628	0.4926	Ave		0.481 2		0.2000	5.4		20.0				
di-Isopropyl ether	0.8006 0.8417	0.8701 0.8208	0.8711	0.8125	0.8389	Ave		0.836 5			3.3		20.0				
2-Chloro-1,3-butadiene	0.4135 0.4263	0.4369 0.4171	0.4284	0.3894	0.4163	Ave		0.418 3			3.6		20.0				
Ethyl t-butyl ether	0.6828 0.7420	0.7905 0.7193	0.7723	0.7176	0.7392	Ave		0.737 7			4.9		20.0				
2-Butanone	6.2797 6.3006	7.6307 6.0009	6.4712	6.4969	7.2095	Ave		6.627 1		0.1000	8.7		20.0				
cis-1,2-Dichloroethene	0.2807 0.2766	0.2926 0.2690	0.2867	0.2651	0.2725	Ave		0.277 6		0.1000	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.: 410-124489-1

Analy Batch No.: 366140

SDG No.:

Instrument ID: 19094

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

Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2023 21:41

Calibration End Date: 04/19/2023 23:41

Calibration ID: 49526

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2,2-Dichloropropane	0.4221 0.3896	0.4284 0.3762	0.4150	0.3656	0.3763	Ave		0.396 2			6.4		20.0				
Propionitrile	1.8446 1.6363	2.0237 1.4879	1.5147	1.5558	1.8083	Ave		1.695 9			11.8		20.0				
Methacrylonitrile	9.3030 6.8956	8.3617 6.6167	7.1195	7.6300	7.7127	Ave		7.662 7			12.1		20.0				
Bromochloromethane	0.0867 0.1079	0.1031 0.1033	0.1117	0.1020	0.1071	Ave		0.103 1			7.8		20.0				
Tetrahydrofuran	++++ 1.7031	++++ 1.5988	1.9236	1.7963	1.9604	Ave		1.796 5			8.4		20.0				
Chloroform	0.4502 0.4548	0.4876 0.4468	0.4800	0.4397	0.4605	Ave		0.459 9		0.2000	3.8		20.0				
1,1,1-Trichloroethane	0.4149 0.4088	0.4316 0.3986	0.4237	0.3796	0.3984	Ave		0.407 9		0.1000	4.3		20.0				
Cyclohexane	0.4540 0.4561	0.4123 0.4485	0.4590	0.3868	0.4379	Ave		0.436 4		0.1000	6.2		20.0				
1,1-Dichloropropene	0.3237 0.3662	0.3637 0.3642	0.3688	0.3309	0.3599	Ave		0.353 9			5.2		20.0				
Carbon tetrachloride	0.3101 0.3588	0.3439 0.3542	0.3642	0.3244	0.3470	Ave		0.343 2		0.1000	5.7		20.0				
Isobutyl alcohol	0.4910 0.3370	0.4439 0.3214	0.4009	0.3688	0.3461	Ave		0.387 n			16.0		20.0				
Benzene	0.9745 1.0744	1.0755 1.0552	1.0794	1.0007	1.0635	Ave		1.046 2		0.5000	4.0		20.0				
1,2-Dichloroethane	0.2386 0.2592	0.2705 0.2489	0.2675	0.2413	0.2622	Ave		0.255 5		0.1000	4.9		20.0				
t-Amyl methyl ether	0.5683 0.6198	0.6498 0.6052	0.6526	0.6015	0.6244	Ave		0.617 4			4.8		20.0				
n-Heptane	0.3064 0.3143	0.2755 0.3035	0.2772	0.2630	0.2915	Ave		0.290 2			6.5		20.0				
n-Butanol	++++ 0.2741	0.2954 0.2652	0.3238	0.2648	0.2602	Ave		0.280 6			8.8		20.0				
Trichloroethene	0.2698 0.2841	0.2942 0.2807	0.2893	0.2578	0.2777	Ave		0.279 1		0.2000	4.4		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.: 410-124489-1

Analy Batch No.: 366140

SDG No.:

Instrument ID: 19094

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

Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2023 21:41

Calibration End Date: 04/19/2023 23:41

Calibration ID: 49526

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								
Methylcyclohexane	0.3825 0.4476	0.4070 0.4395	0.4151	0.3728	0.4287	Ave		0.413 3		0.1000	6.8		20.0				
1,2-Dichloropropane	0.2426 0.2804	0.2806 0.2746	0.2801	0.2610	0.2789	Ave		0.271 2		0.1000	5.3		20.0				
1,4-Dioxane	0.0520 0.0413	0.0528 0.0450	0.0434	0.0408	0.0370	Ave		0.044 6		0.0050	13.2		20.0				
Methyl methacrylate	13.201 13.984	16.072 13.869	12.775	14.976	15.360	Ave		14.31 9			8.3		20.0				
Dibromomethane	0.1077 0.1114	0.1112 0.1081	0.1158	0.1065	0.1126	Ave		0.110 5			3.0		20.0				
Bromodichloromethane	0.3224 0.3263	0.3361 0.3202	0.3300	0.3128	0.3192	Ave		0.323 9		0.2000	2.4		20.0				
2-Nitropropane	5.6483 3.8807	4.8337 3.6916	4.1071	4.0494	4.2779	Ave		4.355 5			15.5		20.0				
cis-1,3-Dichloropropene	0.3352 0.4005	0.3891 0.3961	0.4029	0.3733	0.3949	Ave		0.384 6		0.2000	6.2		20.0				
4-Methyl-2-pentanone	19.809 17.580	20.817 17.108	18.425	18.899	19.553	Ave		18.88 4		0.1000	6.9		20.0				
Toluene	0.8384 0.9207	0.9414 0.9014	0.9205	0.8531	0.9067	Ave		0.897 5		0.4000	4.2		20.0				
trans-1,3-Dichloropropene	0.3491 0.4389	0.4005 0.4287	0.4402	0.4104	0.4346	Ave		0.414 6		0.1000	7.8		20.0				
Ethyl methacrylate	0.2962 0.3301	0.3258 0.3131	0.3174	0.3113	0.3256	Ave		0.317 1			3.7		20.0				
1,1,2-Trichloroethane	0.2471 0.2217	0.2416 0.2149	0.2345	0.2199	0.2213	Ave		0.228 7		0.1000	5.4		20.0				
Tetrachloroethene	0.3506 0.4187	0.3969 0.4110	0.4156	0.3828	0.4057	Ave		0.397 3		0.2000	6.0		20.0				
1,3-Dichloropropane	0.3374 0.3926	0.3939 0.3788	0.4008	0.3792	0.3910	Ave		0.381 9			5.5		20.0				
2-Hexanone	11.950 11.898	13.800 11.562	12.502	12.659	13.207	Ave		12.51 1		0.1000	6.3		20.0				
Dibromochloromethane	0.2404 0.2911	0.2788 0.2845	0.2896	0.2748	0.2902	Ave		0.278 5			6.4		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.: 410-124489-1

Analy Batch No.: 366140

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2023 21:41 Calibration End Date: 04/19/2023 23:41 Calibration ID: 49526

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dibromoethane	0.1886 0.2085	0.2078 0.2025	0.2157	0.2018	0.2098	Ave		0.205 n		0.1000	4.2		20.0				
1-Chlorohexane	0.5819 0.5446	0.5585 0.5368	0.5552	0.4918	0.5254	Ave		0.542 n			5.3		20.0				
Chlorobenzene	0.8871 0.9961	1.0173 0.9769	1.0125	0.9362	0.9874	Ave		0.973 4		0.5000	4.8		20.0				
1,1,1,2-Tetrachloroethane	0.3030 0.3477	0.3421 0.3387	0.3541	0.3230	0.3390	Ave		0.335 4			5.1		20.0				
Ethylbenzene	1.5968 1.8192	1.8076 1.7881	1.8552	1.6993	1.7900	Ave		1.765 2		0.1000	5.0		20.0				
m&p-Xylene	0.5768 0.6929	0.6824 0.6795	0.6942	0.6338	0.6778	Ave		0.662 5		0.1000	6.5		20.0				
o-Xylene	0.5712 0.6687	0.6574 0.6575	0.6701	0.6200	0.6564	Ave		0.643 n		0.3000	5.6		20.0				
Styrene	0.9433 1.1033	1.0896 1.0796	1.1059	1.0249	1.0847	Ave		1.061 6		0.3000	5.5		20.0				
Bromoform	0.1385 0.1714	0.1615 0.1672	0.1721	0.1608	0.1684	Ave		0.162 8		0.1000	7.1		20.0				
Isopropylbenzene	1.5876 1.8002	1.7685 1.7678	1.8111	1.6496	1.7576	Ave		1.734 6		0.1000	4.8		20.0				
1,1,2,2-Tetrachloroethane	0.5181 0.5099	0.5859 0.4875	0.5461	0.5103	0.5200	Ave		0.525 4		0.3000	6.1		20.0				
Bromobenzene	0.6083 0.7130	0.7187 0.7026	0.7255	0.6771	0.7103	Ave		0.693 6			5.9		20.0				
trans-1,4-Dichloro-2-butene	5.5521 5.9399	6.2540 6.0119	5.8681	6.0892	6.3883	Ave		6.014 8			4.5		20.0				
1,2,3-Trichloropropane	0.1182 0.1217	0.1333 0.1179	0.1304	0.1211	0.1250	Ave		0.123 9			4.8		20.0				
N-Propylbenzene	3.4081 3.9698	3.9217 3.9209	3.9946	3.6543	3.9382	Ave		3.829 7			5.7		20.0				
2-Chlorotoluene	0.6224 0.7595	0.7575 0.7572	0.7703	0.7077	0.7604	Ave		0.733 6			7.2		20.0				
1,3,5-Trimethylbenzene	2.3800 2.7849	2.7968 2.7660	2.7427	2.5574	2.7372	Ave		2.680 7			5.8		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.: 410-124489-1

Analy Batch No.: 366140

SDG No.:

Instrument ID: 19094

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

Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2023 21:41

Calibration End Date: 04/19/2023 23:41

Calibration ID: 49526

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								
4-Chlorotoluene	0.6511 0.7750	0.7820 0.7708	0.7798	0.7212	0.7714	Ave		0.750 2			6.4		20.0				
tert-Butylbenzene	0.5265 0.5987	0.6301 0.6006	0.5945	0.5382	0.5731	Ave		0.580 2			6.4		20.0				
Pentachloroethane	0.4402 0.4767	0.4702 0.4932	0.4355	0.5054	0.5033	Ave		0.474 9			6.0		20.0				
1,2,4-Trimethylbenzene	2.3375 2.8164	2.7195 2.8361	2.8199	2.6073	2.7993	Ave		2.705 1			6.7		20.0				
sec-Butylbenzene	3.0742 3.5131	3.3444 3.5428	3.4388	3.1503	3.4207	Ave		3.354 9			5.3		20.0				
1,3-Dichlorobenzene	1.2967 1.4701	1.4359 1.4730	1.4728	1.3794	1.4475	Ave		1.425 1		0.6000	4.6		20.0				
p-Isopropyltoluene	2.5005 3.0118	2.8911 3.0329	2.9645	2.7142	2.9345	Ave		2.864 2			6.7		20.0				
1,4-Dichlorobenzene	1.1850 1.3815	1.4005 1.3868	1.4061	1.3246	1.3767	Ave		1.351 6		0.5000	5.8		20.0				
1,2,3-Trimethylbenzene	1.0835 1.1955	1.1944 1.1913	1.2011	1.1197	1.1798	Ave		1.166 5			3.9		20.0				
Benzyl chloride	0.1656 0.1921	0.1992 0.1907	0.2022	0.1887	0.1910	Ave		0.189 9			6.2		20.0				
n-Butylbenzene	1.1541 1.4668	1.3448 1.4884	1.4082	1.2906	1.4135	Ave		1.366 6			8.5		20.0				
1,2-Dichlorobenzene	1.1357 1.2899	1.2900 1.2853	1.3158	1.2345	1.2878	Ave		1.262 7		0.4000	4.8		20.0				
1,2-Dibromo-3-Chloropropane	0.0455 0.0648	0.0610 0.0658	0.0658	0.0615	0.0678	Ave		0.061 7		0.0500	12.3		20.0				
1,3,5-Trichlorobenzene	0.8095 1.0604	0.9843 1.0754	1.0419	0.9557	1.0392	Ave		0.995 2			9.3		20.0				
1,2,4-Trichlorobenzene	0.6493 0.8543	0.7554 0.8698	0.8401	0.7766	0.8333	Ave		0.797 0		0.2000	9.7		20.0				
Hexachlorobutadiene	0.2483 0.3202	0.2940 0.3305	0.3142	0.2740	0.3048	Ave		0.298 0			9.6		20.0				
Naphthalene	1.0625 1.3729	1.2767 1.3932	1.4185	1.3011	1.3750	Ave		1.314 3			9.3		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 Job No.: 410-124489-1 Analy Batch No.: 366140
 Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2023 21:41 Calibration End Date: 04/19/2023 23:41 Calibration ID: 49526

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichlorobenzene	0.5139 0.6783	0.5949 0.6898	0.6680	0.6112	0.6679	Ave		0.632 n			10.0		20.0				
Dibromofluoromethane (Surr)	0.2389 0.2370	0.2383 0.2361	0.2364	0.2379	0.2389	Ave		0.237 6			0.5		20.0				
1,2-Dichloroethane-d4 (Surr)	0.0448 0.0444	0.0448 0.0430	0.0448	0.0438	0.0440	Ave		0.044 7			1.6		20.0				
Toluene-d8 (Surr)	1.3515 1.3641	1.3649 1.3601	1.3731	1.3521	1.3606	Ave		1.360 9			0.6		20.0				
4-Bromofluorobenzene (Surr)	0.4904 0.4923	0.4966 0.4930	0.4966	0.4942	0.4918	Ave		0.493 6			0.5		20.0				

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

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

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-124489-1 Analy Batch No.: 366140

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2023 21:41 Calibration End Date: 04/19/2023 23:41 Calibration ID: 49526

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-366140/13	HA19X12.D
Level 2	IC 410-366140/14	HA19X13.D
Level 3	IC 410-366140/15	HA19X14.D
Level 4	IC 410-366140/16	HA19X15.D
Level 5	IC 410-366140/17	HA19X16.D
Level 6	ICIS 410-366140/18	HA19X17.D
Level 7	IC 410-366140/19	HA19X18.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7				LVL 6	LVL 7			
Dichlorodifluoromethane	FB	Ave	++++ 636955	34429 1534246	70493	116124	318413	++++ 10.0	0.500 25.0	1.00	2.00	5.00
Chloromethane	FB	Ave	18988 810550	41642 2014037	87280	170957	405000	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Butadiene	FB	Ave	18993 764078	41522 1824970	81722	161491	392467	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Vinyl chloride	FB	Ave	17066 782215	38729 1921148	83205	154080	382745	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromomethane	FB	Ave	10644 486665	24140 1198943	50297	99431	240708	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloroethane	FB	Ave	9681 430991	22196 1076714	45043	87400	214603	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dichlorofluoromethane	FB	Ave	24929 1003661	52913 2494422	106606	207264	512847	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Trichlorofluoromethane	FB	Ave	19191 924460	41870 2253491	91529	167042	453540	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl ether	FB	Ave	7419 357895	18138 883832	34308	77498	184404	0.200 10.00	0.500 25.0	1.000	2.00	5.00
Freon 123a	FB	Ave	17545 647850	34438 1608567	73676	127261	325993	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acrolein	TBAd 10	Ave	42308 2510655	117548 5624213	226319	453625	1231678	10.0 500	25.0 1250	50.0	100	250
1,1-Dichloroethene	FB	Ave	8967 450439	22916 1104927	45667	80339	218036	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetone	TBAd 10	Ave	++++ 27075	27075	48054	89796	232459	++++ 5.00	5.00	10.0	20.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-124489-1 Analy Batch No.: 366140

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2023 21:41 Calibration End Date: 04/19/2023 23:41 Calibration ID: 49526

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	
			495967	1038749					100	250			
Freon 113	FB	Ave	6762 468821	19225 1147974	43330	77826	218851	0.200 10.0	0.500 25.0	1.00	2.00	5.00	
Methyl iodide	FB	Ave	14150 841246	39699 2064892	82757	153693	407989	0.200 10.0	0.500 25.0	1.00	2.00	5.00	
Carbon disulfide	FB	Ave	23481 1311680	63335 3273647	129064	233851	634668	0.200 10.0	0.500 25.0	1.00	2.00	5.00	
Methyl acetate	TBAd 10	Ave	2932 160403	7716 351365	16745	32258	76277	0.200 10.0	0.500 25.0	1.00	2.00	5.00	
Allyl chloride	FB	Ave	14193 814150	42088 2020271	78620	147182	395258	0.200 10.0	0.500 25.0	1.00	2.00	5.00	
Methylene Chloride	FB	Ave	8984 478473	24190 1168187	47612	89325	237348	0.200 10.0	0.500 25.0	1.00	2.00	5.00	
t-Butyl alcohol	TBAd 10	Ave	3893 305748	14341 664962	33070	53929	128115	4.00 200	10.0 500	20.0	40.0	100	
Acrylonitrile	TBAd 10	Ave	2061 197290	9600 448719	19063	35563	96000	0.500 25.0	1.25 62.5	2.50	5.00	12.5	
Methyl tertiary butyl ether	FB	Ave	19106 1093526	54709 2636429	110227	207645	543441	0.200 10.0	0.500 25.0	1.00	2.00	5.00	
trans-1,2-Dichloroethene	FB	Ave	10137 497751	25315 1230308	51694	91248	241965	0.200 10.0	0.500 25.0	1.00	2.00	5.00	
n-Hexane	FB	Ave	13003 658533	27246 1609642	58462	105690	303506	0.200 10.0	0.500 25.0	1.00	2.00	5.00	
1,1-Dichloroethane	FB	Ave	16441 982112	46987 2413514	97758	177913	480525	0.200 10.0	0.500 25.0	1.00	2.00	5.00	
di-Isopropyl ether	FB	Ave	30515 1669640	83037 4090868	166958	312325	818376	0.200 10.0	0.500 25.0	1.00	2.00	5.00	
2-Chloro-1,3-butadiene	FB	Ave	15760 845634	41693 2078698	82119	149672	406104	0.200 10.0	0.500 25.0	1.00	2.00	5.00	
Ethyl t-butyl ether	FB	Ave	26025 1471793	75440 3584711	148016	275834	721138	0.200 10.0	0.500 25.0	1.00	2.00	5.00	
2-Butanone	TBAd 10	Ave	14947	49525	97040	179118	506276	2.00	5.00	10.0	20.0	50.0	

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

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-124489-1 Analy Batch No.: 366140

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2023 21:41 Calibration End Date: 04/19/2023 23:41 Calibration ID: 49526

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
			989354	2308325				100	250			
cis-1,2-Dichloroethene	FB	Ave	10699 548754	27925 1340829	54947	101890	265869	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2,2-Dichloropropane	FB	Ave	16087 772779	40888 1875167	79534	140523	367107	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Propionitrile	TBAd 10	Ave	8781 513896	26268 1144640	45428	85786	253963	4.00 200	10.0 500	20.0	40.0	100
Methacrylonitrile	TBAd 10	Ave	22143 1082796	54269 2545195	106761	210355	541609	2.00 100	5.00 250	10.0	20.0	50.0
Bromochloromethane	FB	Ave	3303 214131	9844 514920	21405	39209	104507	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrahydrofuran	TBAd 10	Ave	++++ 133716	++++ 307505	14423	24762	68833	++++ 50.0	++++ 125	5.00	10.0	25.0
Chloroform	FB	Ave	17158 902080	46535 2226938	92007	169008	449290	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1-Trichloroethane	FB	Ave	15812 810954	41187 1986785	81215	145917	388654	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Cyclohexane	FB	Ave	17303 904666	39353 2235456	87979	148700	427183	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloropropene	FB	Ave	12338 726484	34708 1815287	70685	127188	351085	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon tetrachloride	FB	Ave	11820 711773	32822 1765238	69798	124713	338491	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isobutyl alcohol	TBAd 10	Ave	5843 264560	14404 618236	30058	50843	121519	10.0 500	25.0 1250	50.0	100	250
Benzene	FB	Ave	37141 2131251	102641 5259098	206883	384679	1037536	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloroethane	FB	Ave	9093 514210	25813 1240685	51276	92762	255763	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Amyl methyl ether	FB	Ave	21658 1229540	62020 3016082	125084	231229	609166	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Heptane	FB	Ave	11676	26291	53133	101077	284346	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 Enviro Job No.: 410-124489-1 Analy Batch No.: 366140

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2023 21:41 Calibration End Date: 04/19/2023 23:41 Calibration ID: 49526

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
			623465	1512707				10.0	25.0			
n-Butanol	TBAd 10	Ave	++++ 376542	16774 892759	42491	63870	159856	++++ 875	43.8 2188	87.5	175	438
Trichloroethene	FB	Ave	10282 563481	28081 1398978	55451	99079	270948	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylcyclohexane	FB	Ave	14578 887897	38844 2190578	79553	143298	418179	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloropropane	FB	Ave	9246 556276	26782 1368707	53692	100335	272090	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dioxane	TBAd 10	Ave	619 32409	1713 86474	3251	5622	12985	10.0 500	25.0 1250	50.0	100	250
Methyl methacrylate	TBAd 10	Ave	3142 219582	10431 533478	19157	41287	107865	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dibromomethane	FB	Ave	4104 220960	10614 538614	22202	40955	109860	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromodichloromethane	FB	Ave	12287 647350	32077 1595722	63260	120233	311381	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Nitropropane	TBAd 10	Ave	6722 304682	15686 710007	30794	55820	150205	1.00 50.0	2.50 125	5.00	10.0	25.0
cis-1,3-Dichloropropene	FB	Ave	12777 794418	37131 1973868	77227	143484	385246	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Methyl-2-pentanone	TBAd 10	Ave	47149 2760554	135107 6580651	276292	521038	1373060	2.00 100	5.00 250	10.0	20.0	50.0
Toluene	CBZd 5	Ave	23645 1336088	65631 3316926	128686	240802	648649	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,3-Dichloropropene	CBZd 5	Ave	9845 636888	27919 1577560	61538	115846	310893	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl methacrylate	CBZd 5	Ave	8353	22711	44377	87863	232904	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 Enviro Job No.: 410-124489-1 Analy Batch No.: 366140

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2023 21:41 Calibration End Date: 04/19/2023 23:41 Calibration ID: 49526

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
			479093	1152324				10.0	25.0			
1,1,2-Trichloroethane	CBZd 5	Ave	6969	16844	32787	62066	158299	0.200	0.500	1.00	2.00	5.00
			321718	790858				10.0	25.0			
Tetrachloroethene	CBZd 5	Ave	9888	27671	58105	108060	290211	0.200	0.500	1.00	2.00	5.00
			607647	1512270				10.0	25.0			
1,3-Dichloropropane	CBZd 5	Ave	9515	27462	56026	107028	279745	0.200	0.500	1.00	2.00	5.00
			569662	1393771				10.0	25.0			
2-Hexanone	TBA 10	Ave	28443	89565	187482	349011	927403	2.00	5.00	10.0	20.0	50.0
			1868352	4447274				100	250			
Dibromochloromethane	CBZd 5	Ave	6780	19439	40489	77568	207592	0.200	0.500	1.00	2.00	5.00
			422450	1046745				10.0	25.0			
1,2-Dibromoethane	CBZd 5	Ave	5320	14489	30159	56966	150103	0.200	0.500	1.00	2.00	5.00
			302559	745028				10.0	25.0			
1-Chlorohexane	CBZd 5	Ave	16411	38936	77621	138814	375882	0.200	0.500	1.00	2.00	5.00
			790325	1975227				10.0	25.0			
Chlorobenzene	CBZd 5	Ave	25017	70920	141545	264276	706382	0.200	0.500	1.00	2.00	5.00
			1445549	3594835				10.0	25.0			
1,1,1,2-Tetrachloroethane	CBZd 5	Ave	8546	23846	49504	91175	242526	0.200	0.500	1.00	2.00	5.00
			504509	1246196				10.0	25.0			
Ethylbenzene	CBZd 5	Ave	45031	126015	259348	479673	1280561	0.200	0.500	1.00	2.00	5.00
			2639936	6580100				10.0	25.0			
m&p-Xylene	CBZd 5	Ave	32534	95152	194086	357788	969863	0.400	1.00	2.00	4.00	10.0
			2011044	5000973				20.0	50.0			
o-Xylene	CBZd 5	Ave	16107	45833	93674	175003	469615	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 Enviro Job No.: 410-124489-1 Analy Batch No.: 366140

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2023 21:41 Calibration End Date: 04/19/2023 23:41 Calibration ID: 49526

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
			970389	2419441				10.0	25.0			
Styrene	CBZd 5	Ave	26601	75960	154598	289293	776015	0.200	0.500	1.00	2.00	5.00
			1601100	3972660				10.0	25.0			
Bromoform	CBZd 5	Ave	3905	11260	24058	45397	120439	0.200	0.500	1.00	2.00	5.00
			248769	615440				10.0	25.0			
Isopropylbenzene	CBZd 5	Ave	44771	123286	253192	465640	1257363	0.200	0.500	1.00	2.00	5.00
			2612391	6505402				10.0	25.0			
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	7836	22035	41618	77837	200075	0.200	0.500	1.00	2.00	5.00
			403972	969172				10.0	25.0			
Bromobenzene	DCBd 4	Ave	9200	27030	55285	103263	273271	0.200	0.500	1.00	2.00	5.00
			564932	1396862				10.0	25.0			
trans-1,4-Dichloro-2-butene	TBAd 10	Ave	13215	40590	87995	167876	448606	2.00	5.00	10.0	20.0	50.0
			932718	2312520				100	250			
1,2,3-Trichloropropane	DCBd 4	Ave	1787	5014	9938	18470	48099	0.200	0.500	1.00	2.00	5.00
			96400	234344				10.0	25.0			
N-Propylbenzene	DCBd 4	Ave	51541	147502	304419	557347	1515215	0.200	0.500	1.00	2.00	5.00
			3145301	7795652				10.0	25.0			
2-Chlorotoluene	DCBd 4	Ave	9412	28490	58702	107930	292568	0.200	0.500	1.00	2.00	5.00
			601725	1505528				10.0	25.0			
1,3,5-Trimethylbenzene	DCBd 4	Ave	35994	105192	209016	390053	1053133	0.200	0.500	1.00	2.00	5.00
			2206475	5499441				10.0	25.0			
4-Chlorotoluene	DCBd 4	Ave	9847	29413	59424	109989	296792	0.200	0.500	1.00	2.00	5.00
			614053	1532440				10.0	25.0			
tert-Butylbenzene	DCBd 4	Ave	7962	23699	45302	82091	220495	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 Enviro Job No.: 410-124489-1 Analy Batch No.: 366140

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2023 21:41 Calibration End Date: 04/19/2023 23:41 Calibration ID: 49526

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
			474319	1194054				10.0	25.0			
Pentachloroethane	DCBd 4	Ave	6658	17687	33185	77077	193643	0.200	0.500	1.00	2.00	5.00
			377707	980542				10.0	25.0			
1,2,4-Trimethylbenzene	DCBd 4	Ave	35350	102286	214894	397668	1077037	0.200	0.500	1.00	2.00	5.00
			2231472	5638811				10.0	25.0			
sec-Butylbenzene	DCBd 4	Ave	46492	125788	262058	480487	1316129	0.200	0.500	1.00	2.00	5.00
			2783461	7043767				10.0	25.0			
1,3-Dichlorobenzene	DCBd 4	Ave	19611	54008	112235	210377	556943	0.200	0.500	1.00	2.00	5.00
			1164783	2928653				10.0	25.0			
p-Isopropyltoluene	DCBd 4	Ave	37815	108740	225919	413962	1129043	0.200	0.500	1.00	2.00	5.00
			2386266	6030062				10.0	25.0			
1,4-Dichlorobenzene	DCBd 4	Ave	17921	52676	107153	202029	529693	0.200	0.500	1.00	2.00	5.00
			1094581	2757148				10.0	25.0			
1,2,3-Trimethylbenzene	DCBd 4	Ave	16386	44925	91533	170773	453918	0.200	0.500	1.00	2.00	5.00
			947210	2368607				10.0	25.0			
Benzyl chloride	DCBd 4	Ave	2504	7493	15412	28779	73498	0.200	0.500	1.00	2.00	5.00
			152191	379203				10.0	25.0			
n-Butylbenzene	DCBd 4	Ave	17454	50581	107313	196834	543862	0.200	0.500	1.00	2.00	5.00
			1162197	2959276				10.0	25.0			
1,2-Dichlorobenzene	DCBd 4	Ave	17176	48521	100276	188289	495463	0.200	0.500	1.00	2.00	5.00
			1022011	2555458				10.0	25.0			
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	688	2293	5017	9373	26097	0.200	0.500	1.00	2.00	5.00
			51352	130897				10.0	25.0			
1,3,5-Trichlorobenzene	DCBd 4	Ave	12243	37023	79399	145760	399828	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 Enviro Job No.: 410-124489-1 Analy Batch No.: 366140

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2023 21:41 Calibration End Date: 04/19/2023 23:41 Calibration ID: 49526

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
			840176	2138064				10.0	25.0			
1,2,4-Trichlorobenzene	DCBd 4	Ave	9819	28411	64018	118450	320606	0.200	0.500	1.00	2.00	5.00
			676839	1729336				10.0	25.0			
Hexachlorobutadiene	DCBd 4	Ave	3755	11059	23943	41789	117258	0.200	0.500	1.00	2.00	5.00
			253716	657077				10.0	25.0			
Naphthalene	DCBd 4	Ave	16068	48021	108102	198435	529033	0.200	0.500	1.00	2.00	5.00
			1087740	2770049				10.0	25.0			
1,2,3-Trichlorobenzene	DCBd 4	Ave	7772	22376	50904	93224	256958	0.200	0.500	1.00	2.00	5.00
			537387	1371466				10.0	25.0			
Dibromofluoromethane (Surr)	FB	Ave	455187	454822	453126	457231	466155	10.0	10.0	10.0	10.0	10.0
			470051	470672				10.0	10.0			
1,2-Dichloroethane-d4 (Surr)	FB	Ave	85386	85590	85801	84188	85902	10.0	10.0	10.0	10.0	10.0
			88122	85640				10.0	10.0			
Toluene-d8 (Surr)	CBZd 5	Ave	1905703	1902986	1919525	1908364	1946729	10.0	10.0	10.0	10.0	10.0
			1979494	2002074				10.0	10.0			
4-Bromofluorobenzene (Surr)	CBZd 5	Ave	691556	692437	694184	697431	703711	10.0	10.0	10.0	10.0	10.0
			714332	725645				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 Enviro Job No.: 410-124489-1 Analy Batch No.: 366140

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2023 21:41 Calibration End Date: 04/19/2023 23:41 Calibration ID: 49526

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-366140/13	HA19X12.D
Level 2	IC 410-366140/14	HA19X13.D
Level 3	IC 410-366140/15	HA19X14.D
Level 4	IC 410-366140/16	HA19X15.D
Level 5	IC 410-366140/17	HA19X16.D
Level 6	ICIS 410-366140/18	HA19X17.D
Level 7	IC 410-366140/19	HA19X18.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	++++ -7.0	9.0	11.1	-8.7	-1.4	-3.0	30	50	30	30	30	30
Chloromethane	13.9 -7.6	-0.3	4.1	1.7	-5.1	-6.6	50 30	30	30	30	30	30
1,3-Butadiene	18.9 -12.6	3.8	1.7	0.2	-4.0	-8.1	50 30	30	30	30	30	30
Vinyl chloride	9.6 -5.7	-0.7	6.2	-1.9	-4.0	-3.5	50 30	30	30	30	30	30
Bromomethane	9.5 -5.7	-0.9	2.9	1.4	-3.3	-3.8	50 30	30	30	30	30	30
Chloroethane	11.0 -5.6	1.6	2.7	-0.7	-3.9	-5.1	50 30	30	30	30	30	30
Dichlorofluoromethane	19.4 -8.7	1.2	1.5	-1.6	-4.1	-7.7	50 30	30	30	30	30	30
Trichlorofluoromethane	8.9 -2.2	-5.1	3.3	-6.0	0.5	0.8	50 30	30	30	30	30	30
Ethyl ether	3.8 -5.4	1.4	-4.5	7.6	0.8	-3.7	50 30	30	30	30	30	30
Freon 123a	27.9 -10.4	0.2	6.8	-8.0	-7.2	-9.3	50 30	30	30	30	30	30
Acrolein	7.7 -11.4	9.7	-8.6	-0.4	6.2	-3.2	50 30	30	30	30	30	30
1,1-Dichloroethene	3.3 -2.7	5.4	4.6	-8.3	-1.9	-0.3	50 30	30	30	30	30	30
Acetone	++++ -18.2	26.4	-2.9	-1.3	0.3	-4.3	30	50	30	30	30	30
Freon 113	-17.1 7.6	-5.9	5.6	-5.4	4.8	10.4	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-124489-1 Analy Batch No.: 366140

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2023 21:41 Calibration End Date: 04/19/2023 23:41 Calibration ID: 49526

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Methyl iodide	-9.6 0.9	1.3	5.1	-2.7	1.8	3.2	50 30	30	30	30	30	30
Carbon disulfide	-4.8 1.5	2.5	4.1	-6.0	0.5	2.2	50 30	30	30	30	30	30
Methyl acetate	11.6 -17.3	7.7	1.1	6.0	-1.6	-7.5	50 30	30	30	30	30	30
Allyl chloride	-7.8 0.4	9.2	1.6	-5.2	0.3	1.6	50 30	30	30	30	30	30
Methylene Chloride	-2.3 -2.8	5.1	3.0	-3.7	0.8	0.0	50 30	30	30	30	30	30
t-Butyl alcohol	-15.2 -10.4	14.5	14.3	1.4	-5.4	0.9	50 30	30	30	30	30	30
Acrylonitrile	-30.3 -6.1	19.1	2.3	3.8	10.0	1.1	50 30	30	30	30	30	30
Methyl tertiary butyl ether	-8.3 -3.2	4.8	5.2	-1.2	1.9	0.8	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	4.4 -3.1	4.1	5.8	-6.9	-2.7	-1.5	50 30	30	30	30	30	30
n-Hexane	9.9 4.1	-8.0	-1.7	-11.4	0.2	7.0	50 30	30	30	30	30	30
1,1-Dichloroethane	-10.4 0.6	2.3	6.0	-3.8	2.4	2.9	50 30	30	30	30	30	30
di-Isopropyl ether	-4.3 -1.9	4.0	4.1	-2.9	0.3	0.6	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-1.1 -0.3	4.4	2.4	-6.9	-0.5	1.9	50 30	30	30	30	30	30
Ethyl t-butyl ether	-7.4 -2.5	7.2	4.7	-2.7	0.2	0.6	50 30	30	30	30	30	30
2-Butanone	-5.2 -9.4	15.1	-2.4	-2.0	8.8	-4.9	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	1.1 -3.1	5.4	3.3	-4.5	-1.8	-0.3	50 30	30	30	30	30	30
2,2-Dichloropropane	6.5 -5.0	8.1	4.7	-7.7	-5.0	-1.7	50 30	30	30	30	30	30
Propionitrile	8.8 -12.3	19.3	-10.7	-8.3	6.6	-3.5	50 30	30	30	30	30	30
Methacrylonitrile	21.4 -13.7	9.1	-7.1	-0.4	0.7	-10.0	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBCK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-124489-1 Analy Batch No.: 366140

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2023 21:41 Calibration End Date: 04/19/2023 23:41 Calibration ID: 49526

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #						LVL 7					
Bromochloromethane	-16.0 0.2	0.0	8.3	-1.1	3.9	4.7	50 30	30	30	30	30	30
Tetrahydrofuran	++++ -11.0	++++	7.1	0.0	9.1	-5.2	30		50	30	30	30
Chloroform	-2.1 -2.9	6.0	4.4	-4.4	0.1	-1.1	50 30	30	30	30	30	30
1,1,1-Trichloroethane	1.7 -2.3	5.8	3.9	-6.9	-2.3	0.2	50 30	30	30	30	30	30
Cyclohexane	4.0 2.8	-5.5	5.2	-11.4	0.3	4.5	50 30	30	30	30	30	30
1,1-Dichloropropene	-8.5 2.9	2.8	4.2	-6.5	1.7	3.5	50 30	30	30	30	30	30
Carbon tetrachloride	-9.6 3.2	0.2	6.1	-5.5	1.1	4.5	50 30	30	30	30	30	30
Isobutyl alcohol	26.9 -16.9	14.7	3.6	-4.7	-10.6	-12.9	50 30	30	30	30	30	30
Benzene	-6.9 0.9	2.8	3.2	-4.3	1.7	2.7	50 30	30	30	30	30	30
1,2-Dichloroethane	-6.6 -2.6	5.9	4.7	-5.5	2.6	1.5	50 30	30	30	30	30	30
t-Amyl methyl ether	-8.0 -2.0	5.3	5.7	-2.6	1.1	0.4	50 30	30	30	30	30	30
n-Heptane	5.6 4.6	-5.1	-4.5	-9.4	0.4	8.3	50 30	30	30	30	30	30
n-Butanol	++++ -5.5	5.3	15.4	-5.6	-7.3	-2.3	30	50	30	30	30	30
Trichloroethene	-3.3 0.6	5.4	3.7	-7.6	-0.5	1.8	50 30	30	30	30	30	30
Methylcyclohexane	-7.5 6.3	-1.5	0.4	-9.8	3.7	8.3	50 30	30	30	30	30	30
1,2-Dichloropropane	-10.5 1.3	3.5	3.3	-3.7	2.8	3.4	50 30	30	30	30	30	30
1,4-Dioxane	16.6 0.8	18.4	-2.8	-8.5	-17.1	-7.4	50 30	30	30	30	30	30
Methyl methacrylate	-7.8 -3.1	12.2	-10.8	4.6	7.3	-2.3	50 30	30	30	30	30	30
Dibromomethane	-2.5 -2.2	0.7	4.8	-3.6	1.9	0.8	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-124489-1 Analy Batch No.: 366140

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2023 21:41 Calibration End Date: 04/19/2023 23:41 Calibration ID: 49526

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Bromodichloromethane	-0.5 -1.1	3.8	1.9	-3.4	-1.4	0.8	50 30	30	30	30	30	30
2-Nitropropane	29.7 -15.2	11.0	-5.7	-7.0	-1.8	-10.9	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-12.8 3.0	1.2	4.8	-2.9	2.7	4.1	50 30	30	30	30	30	30
4-Methyl-2-pentanone	4.9 -9.4	10.2	-2.4	0.1	3.5	-6.9	50 30	30	30	30	30	30
Toluene	-6.6 0.4	4.9	2.6	-4.9	1.0	2.6	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-15.8 3.4	-3.4	6.2	-1.0	4.8	5.9	50 30	30	30	30	30	30
Ethyl methacrylate	-6.6 -1.2	2.7	0.1	-1.8	2.7	4.1	50 30	30	30	30	30	30
1,1,2-Trichloroethane	8.0 -6.0	5.6	2.5	-3.9	-3.3	-3.1	50 30	30	30	30	30	30
Tetrachloroethene	-11.8 3.4	-0.1	4.6	-3.7	2.1	5.4	50 30	30	30	30	30	30
1,3-Dichloropropane	-11.7 -0.8	3.1	4.9	-0.7	2.4	2.8	50 30	30	30	30	30	30
2-Hexanone	-4.5 -7.6	10.3	-0.1	1.2	5.6	-4.9	50 30	30	30	30	30	30
Dibromochloromethane	-13.7 2.1	0.1	4.0	-1.3	4.2	4.5	50 30	30	30	30	30	30
1,2-Dibromoethane	-8.0 -1.2	1.4	5.2	-1.5	2.4	1.7	50 30	30	30	30	30	30
1-Chlorohexane	7.4 -1.0	3.0	2.4	-9.3	-3.1	0.5	50 30	30	30	30	30	30
Chlorobenzene	-8.9 0.4	4.5	4.0	-3.8	1.4	2.3	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-9.6 1.0	2.0	5.6	-3.7	1.1	3.7	50 30	30	30	30	30	30
Ethylbenzene	-9.5 1.3	2.4	5.1	-3.7	1.4	3.1	50 30	30	30	30	30	30
m&p-Xylene	-12.9 2.6	3.0	4.8	-4.3	2.3	4.6	50 30	30	30	30	30	30
o-Xylene	-11.2 2.2	2.2	4.2	-3.6	2.1	4.0	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 Enviro Job No.: 410-124489-1 Analy Batch No.: 366140

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2023 21:41 Calibration End Date: 04/19/2023 23:41 Calibration ID: 49526

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Styrene	-11.1 1.7	2.6	4.2	-3.5	2.2	3.9	50 30	30	30	30	30	30
Bromoform	-15.0 2.7	-0.8	5.7	-1.2	3.4	5.3	50 30	30	30	30	30	30
Isopropylbenzene	-8.5 1.9	2.0	4.4	-4.9	1.3	3.8	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-1.4 -7.2	11.5	3.9	-2.9	-1.0	-3.0	50 30	30	30	30	30	30
Bromobenzene	-12.3 1.3	3.6	4.6	-2.4	2.4	2.8	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-7.7 0.0	4.0	-2.4	1.2	6.2	-1.2	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-4.7 -4.9	7.6	5.2	-2.3	0.9	-1.8	50 30	30	30	30	30	30
N-Propylbenzene	-11.0 2.4	2.4	4.3	-4.6	2.8	3.7	50 30	30	30	30	30	30
2-Chlorotoluene	-15.2 3.2	3.3	5.0	-3.5	3.7	3.5	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-11.2 3.2	4.3	2.3	-4.6	2.1	3.9	50 30	30	30	30	30	30
4-Chlorotoluene	-13.2 2.7	4.2	3.9	-3.9	2.8	3.3	50 30	30	30	30	30	30
tert-Butylbenzene	-9.3 3.5	8.6	2.5	-7.2	-1.2	3.2	50 30	30	30	30	30	30
Pentachloroethane	-7.3 3.8	-1.0	-8.3	6.4	6.0	0.4	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-13.6 4.8	0.5	4.2	-3.6	3.5	4.1	50 30	30	30	30	30	30
sec-Butylbenzene	-8.4 5.6	-0.3	2.5	-6.1	2.0	4.7	50 30	30	30	30	30	30
1,3-Dichlorobenzene	-9.0 3.4	0.8	3.3	-3.2	1.6	3.2	50 30	30	30	30	30	30
p-Isopropyltoluene	-12.7 5.9	0.9	3.5	-5.2	2.5	5.2	50 30	30	30	30	30	30
1,4-Dichlorobenzene	-12.3 2.6	3.6	4.0	-2.0	1.9	2.2	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-7.1 2.1	2.4	3.0	-4.0	1.1	2.5	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 Enviro Job No.: 410-124489-1 Analy Batch No.: 366140

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2023 21:41 Calibration End Date: 04/19/2023 23:41 Calibration ID: 49526

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
Benzyl chloride	-12.8 0.4	4.9	6.5	-0.7	0.6	1.1	50 30	30	30	30	30	30
n-Butylbenzene	-15.6 8.9	-1.6	3.0	-5.6	3.4	7.3	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-10.1 1.8	2.2	4.2	-2.2	2.0	2.2	50 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	-26.3 6.6	-1.3	6.6	-0.5	9.9	5.0	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-18.7 8.1	-1.1	4.7	-4.0	4.4	6.6	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-18.5 9.1	-5.2	5.4	-2.6	4.6	7.2	50 30	30	30	30	30	30
Hexachlorobutadiene	-16.7 10.9	-1.3	5.4	-8.1	2.3	7.5	50 30	30	30	30	30	30
Naphthalene	-19.2 6.0	-2.9	7.9	-1.0	4.6	4.5	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-18.7 9.1	-5.9	5.7	-3.3	5.7	7.3	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	0.5 -0.6	0.3	-0.5	0.1	0.5	-0.3	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	1.3 -2.9	1.4	1.2	-1.0	-0.5	0.4	50 30	30	30	30	30	30
Toluene-d8 (Surr)	-0.7 -0.1	0.3	0.9	-0.6	0.0	0.2	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-0.6 -0.1	0.6	0.6	0.1	-0.3	-0.3	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X12.D
 Lims ID: IC std1 0.2
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 19-Apr-2023 21:41:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0081852-013
 Operator ID: mec29284 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 23-Apr-2023 20:34:34 Calib Date: 19-Apr-2023 23:41:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1665

First Level Reviewer: K4WN

Date: 23-Apr-2023 19:29:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.898	1.898	0.000	98	21361	0.2000	0.3387	
5 Chloromethane	50	2.081	2.093	-0.012	99	18988	0.2000	0.2277	
6 Vinyl chloride	62	2.196	2.203	-0.007	95	17066	0.2000	0.2191	
7 Butadiene	39	2.196	2.203	-0.007	95	18993	0.2000	0.2378	
9 Bromomethane	94	2.520	2.526	-0.006	91	10644	0.2000	0.2189	
10 Chloroethane	64	2.581	2.599	-0.018	98	9681	0.2000	0.2219	
11 Dichlorofluoromethane	67	2.812	2.824	-0.012	96	24929	0.2000	0.2387	M
12 Trichlorofluoromethane	101	2.891	2.904	-0.013	93	19191	0.2000	0.2177	
14 Ethyl ether	59	3.129	3.117	0.012	62	7419	0.2000	0.2077	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.208	3.202	0.006	89	17545	0.2000	0.2557	
16 Acrolein	56	3.282	3.288	-0.006	97	42308	10.0	10.8	M
17 1,1-Dichloroethene	96	3.410	3.422	-0.012	98	8967	0.2000	0.2065	
19 Acetone	43	3.471	3.446	0.025	42	10984	2.00	2.80	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.458	3.465	-0.007	46	6762	0.2000	0.1658	
21 Iodomethane	142	3.599	3.611	-0.012	98	14150	0.2000	0.1808	
22 Ethyl bromide	108	3.623	3.635	-0.012	94	8165	0.2004	0.2003	a
23 Carbon disulfide	76	3.714	3.715	-0.001	97	23481	0.2000	0.1904	
24 Methyl acetate	43	3.849	3.843	0.006	10	2932	0.2000	0.2231	M
26 3-Chloro-1-propene	41	3.873	3.873	0.000	90	14193	0.2000	0.1844	a
27 Methylene Chloride	84	4.056	4.050	0.006	95	8984	0.2000	0.1954	a
* 28 t-Butyl alcohol-d10 (IS)	65	4.038	4.105	-0.067	92	59505	50.0	50.0	a
29 2-Methyl-2-propanol	59	4.178	4.190	-0.012	30	3893	4.00	3.39	Ma
31 Acrylonitrile	53	4.385	4.373	0.012	28	2061	0.5000	0.3485	a
32 Methyl tert-butyl ether	73	4.452	4.452	0.000	94	19106	0.2000	0.1834	
33 trans-1,2-Dichloroethene	96	4.452	4.458	-0.006	95	10137	0.2000	0.2087	a
34 Hexane	57	4.891	4.885	0.006	87	13003	0.2000	0.2198	Ma
36 1,1-Dichloroethane	63	5.123	5.123	0.000	90	16441	0.2000	0.1793	
37 Isopropyl ether	45	5.178	5.178	0.000	86	30515	0.2000	0.1914	a
38 2-Chloro-1,3-butadiene	53	5.232	5.239	-0.007	90	15760	0.2000	0.1977	a
40 Tert-butyl ethyl ether	59	5.708	5.720	-0.012	98	26025	0.2000	0.1851	
41 2-Butanone (MEK)	43	5.958	5.909	0.049	80	14947	2.00	1.90	

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	5.958	5.958	0.000	81	10699	0.2000	0.2022	
43 2,2-Dichloropropane	77	5.970	5.976	-0.006	69	16087	0.2000	0.2131	a
44 Propionitrile	54	6.049	5.995	0.054	39	8781	4.00	4.35	M
S 46 1,2-Dichloroethene, Total	100				0			0.4109	
47 Methacrylonitrile	67	6.232	6.220	0.012	89	22143	2.00	2.43	M
48 Chlorobromomethane	128	6.293	6.299	-0.006	47	3303	0.2000	0.1681	
49 Tetrahydrofuran	71	6.318	6.299	0.019	33	6083	1.00	2.85	M
50 Chloroform	83	6.440	6.446	-0.006	92	17158	0.2000	0.1958	
\$ 52 Dibromofluoromethane (Surr)	113	6.653	6.665	-0.012	93	455187	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.665	6.677	-0.012	37	15812	0.2000	0.2034	a
54 Cyclohexane	56	6.787	6.781	0.006	93	17303	0.2000	0.2081	M
55 1,1-Dichloropropene	75	6.885	6.897	-0.012	92	12338	0.2000	0.1829	
56 Carbon tetrachloride	117	6.885	6.897	-0.012	94	11820	0.2000	0.1807	a
57 Isobutyl alcohol	41	7.055	7.031	0.024	31	5843	10.0	12.7	M
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.116	7.116	0.000	76	85386	10.0	10.1	
59 Benzene	78	7.153	7.159	-0.006	95	37141	0.2000	0.1863	
60 1,2-Dichloroethane	62	7.220	7.226	-0.006	93	9093	0.2000	0.1868	
63 Tert-amyl methyl ether	73	7.348	7.354	-0.006	98	21658	0.2000	0.1841	
* 64 Fluorobenzene (IS)	96	7.561	7.561	0.000	98	1905653	10.0	10.0	a
65 n-Heptane	43	7.580	7.586	-0.006	36	11676	0.2000	0.2111	a
67 n-Butanol	56	7.988	7.927	0.061	24	9717	17.5	29.1	M
68 Trichloroethene	95	8.055	8.049	0.006	97	10282	0.2000	0.1933	
69 Methylcyclohexane	83	8.366	8.366	0.000	81	14578	0.2000	0.1851	
70 1,2-Dichloropropane	63	8.384	8.390	-0.006	80	9246	0.2000	0.1789	
71 2-ethoxy-2-methyl butane	87	8.384	8.397	-0.013	88	12713	0.2000	0.1745	
72 Methyl methacrylate	69	8.488	8.470	0.018	72	3142	0.2000	0.1844	
73 1,4-Dioxane	88	8.396	8.482	-0.086	0	619	10.0	11.7	M
74 Dibromomethane	93	8.500	8.494	0.006	93	4104	0.2000	0.1949	M
76 Dichlorobromomethane	83	8.726	8.732	-0.006	98	12287	0.2000	0.1991	M
77 2-Nitropropane	41	9.000	9.000	0.000	73	6722	1.00	1.30	Ma
79 1-Bromo-2-chloroethane	63	9.134	9.134	0.000	96	9664	0.2000	0.2002	
80 cis-1,3-Dichloropropene	75	9.299	9.293	0.006	94	12777	0.2000	0.1743	
82 4-Methyl-2-pentanone (MIBK)	43	9.469	9.470	-0.001	96	47149	2.00	2.10	
\$ 83 Toluene-d8 (Surr)	98	9.610	9.610	0.000	93	1905703	10.0	9.93	
84 Toluene	92	9.689	9.689	0.000	98	23645	0.2000	0.1868	
85 trans-1,3-Dichloropropene	75	9.963	9.951	0.012	94	9845	0.2000	0.1684	
104 Ethyl methacrylate	69	10.024	10.018	0.006	85	8353	0.2000	0.1868	
S 105 1,3-Dichloropropene, Total	100				0			0.3427	
106 1,1,2-Trichloroethane	97	10.164	10.165	0.000	87	6969	0.2000	0.2161	
107 Tetrachloroethene	166	10.256	10.256	0.000	96	9888	0.2000	0.1765	
108 1,3-Dichloropropane	76	10.329	10.329	0.000	88	9515	0.2000	0.1767	
109 2-Hexanone	43	10.384	10.378	0.006	96	28443	2.00	1.91	
111 Chlorodibromomethane	129	10.549	10.549	-0.001	88	6780	0.2000	0.1727	
112 Ethylene Dibromide	107	10.664	10.658	0.006	95	5320	0.2000	0.1841	
* 113 Chlorobenzene-d5 (IS)	117	11.091	11.097	-0.006	86	1410045	10.0	10.0	
114 1-Chlorohexane	91	11.103	11.103	0.000	95	16411	0.2000	0.2147	
115 Chlorobenzene	112	11.122	11.122	0.000	97	25017	0.2000	0.1823	
116 1,1,1,2-Tetrachloroethane	131	11.207	11.207	0.000	94	8546	0.2000	0.1807	
117 Ethylbenzene	91	11.213	11.207	0.006	99	45031	0.2000	0.1809	
S 118 Xylenes, Total	106				0			0.5259	
119 m-Xylene & p-Xylene	106	11.329	11.329	0.000	99	32534	0.4000	0.3483	
120 o-Xylene	106	11.658	11.658	0.000	96	16107	0.2000	0.1776	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 Styrene	104	11.676	11.670	0.006	95	26601	0.2000	0.1777	
122 Bromoform	173	11.835	11.835	0.000	83	3905	0.2000	0.1701	
123 Isopropylbenzene	105	11.957	11.963	-0.006	96	44771	0.2000	0.1830	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.103	12.103	0.000	89	691556	10.0	9.94	
127 1,1,2,2-Tetrachloroethane	83	12.207	12.207	0.000	90	7836	0.2000	0.1972	
128 Bromobenzene	156	12.225	12.219	0.006	96	9200	0.2000	0.1754	
129 trans-1,4-Dichloro-2-butene	53	12.237	12.231	0.006	92	13215	2.00	1.85	
130 1,2,3-Trichloropropane	110	12.255	12.256	-0.001	71	1787	0.2000	0.1907	
131 N-Propylbenzene	91	12.292	12.292	0.000	99	51541	0.2000	0.1780	
132 2-Chlorotoluene	126	12.371	12.365	0.006	96	9412	0.2000	0.1697	
133 1,3,5-Trimethylbenzene	105	12.432	12.426	0.006	94	35994	0.2000	0.1776	
134 4-Chlorotoluene	126	12.463	12.463	0.000	97	9847	0.2000	0.1736	
135 tert-Butylbenzene	134	12.670	12.670	0.000	93	7962	0.2000	0.1815	
136 Pentachloroethane	167	12.707	12.707	0.000	81	6658	0.2000	0.1854	
137 1,2,4-Trimethylbenzene	105	12.713	12.713	0.000	97	35350	0.2000	0.1728	
138 sec-Butylbenzene	105	12.835	12.835	0.000	94	46492	0.2000	0.1833	
139 1,3-Dichlorobenzene	146	12.938	12.932	0.006	96	19611	0.2000	0.1820	
140 4-Isopropyltoluene	119	12.944	12.944	0.000	98	37815	0.2000	0.1746	
* 141 1,4-Dichlorobenzene-d4	152	12.993	12.993	0.000	95	756163	10.0	10.0	
142 1,4-Dichlorobenzene	146	13.011	13.012	-0.001	91	17921	0.2000	0.1753	
143 1,2,3-Trimethylbenzene	120	13.018	13.018	0.000	97	16386	0.2000	0.1858	
144 Benzyl chloride	126	13.085	13.085	0.000	98	2504	0.2000	0.1743	
145 p-Diethylbenzene	119	13.146	13.146	0.000	90	22022	0.2000	0.1727	
146 n-Butylbenzene	92	13.237	13.237	0.000	97	17454	0.2000	0.1689	
147 1,2-Dichlorobenzene	146	13.267	13.268	-0.001	98	17176	0.2000	0.1799	
149 1,2-Dibromo-3-Chloropropane	155	13.810	13.810	0.000	76	688	0.2000	0.1474	
150 1,3,5-Trichlorobenzene	180	13.938	13.938	0.000	96	12243	0.2000	0.1627	
151 1,2,4-Trichlorobenzene	180	14.365	14.359	0.006	93	9819	0.2000	0.1629	
152 Hexachlorobutadiene	225	14.444	14.444	0.000	95	3755	0.2000	0.1666	
153 Naphthalene	128	14.542	14.542	0.000	98	16068	0.2000	0.1617	
154 1,2,3-Trichlorobenzene	180	14.682	14.682	0.000	94	7772	0.2000	0.1626	
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_00073	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00145	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00081	Amount Added: 2.00	Units: uL	
MSV_LLcentISS_00007	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X12.D

Injection Date: 19-Apr-2023 21:41:30

Instrument ID: 19094

Operator ID: mec29284

Lims ID: IC std1 0.2

Worklist Smp#: 13

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

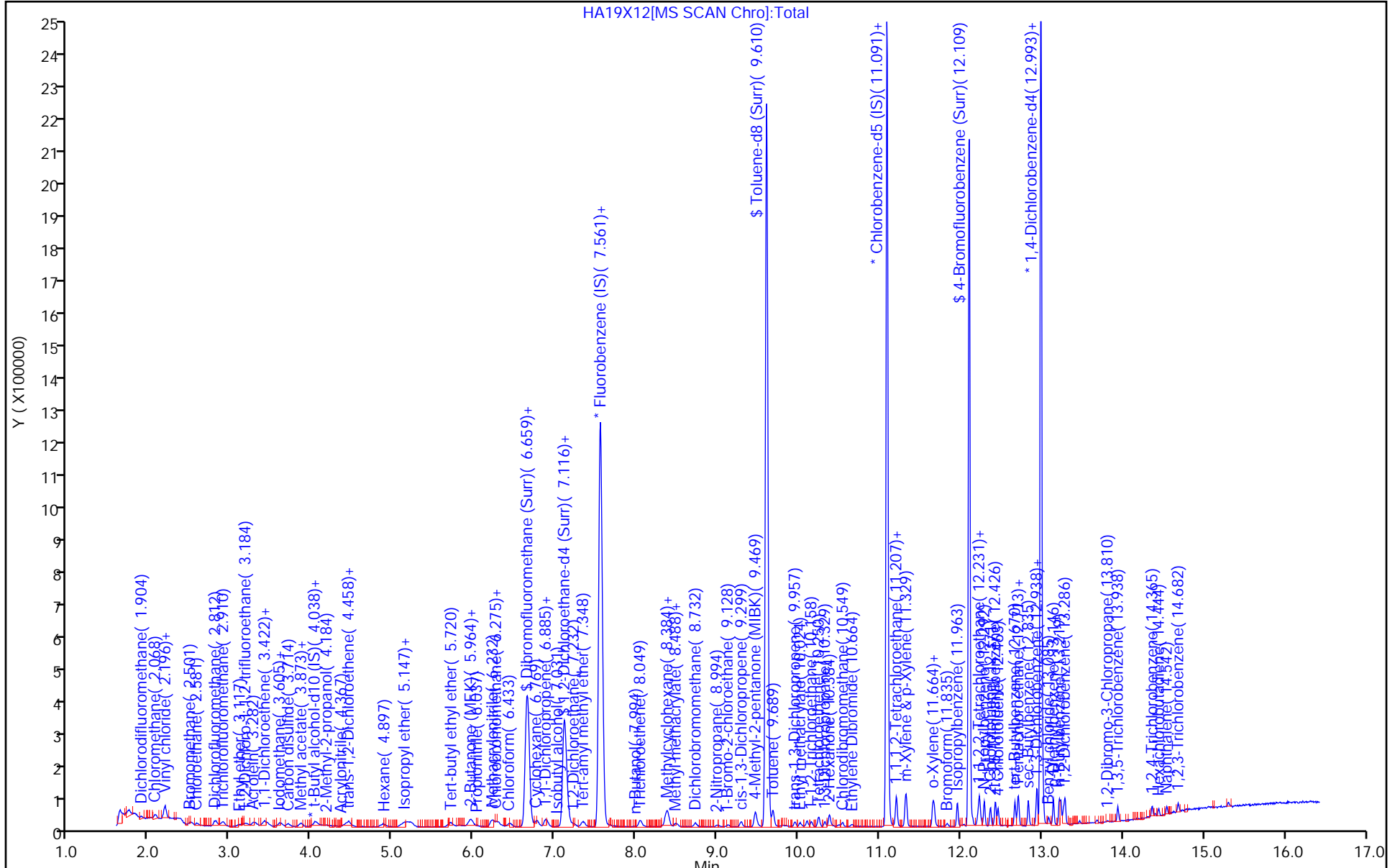
ALS Bottle#: 12

Method: MSV_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

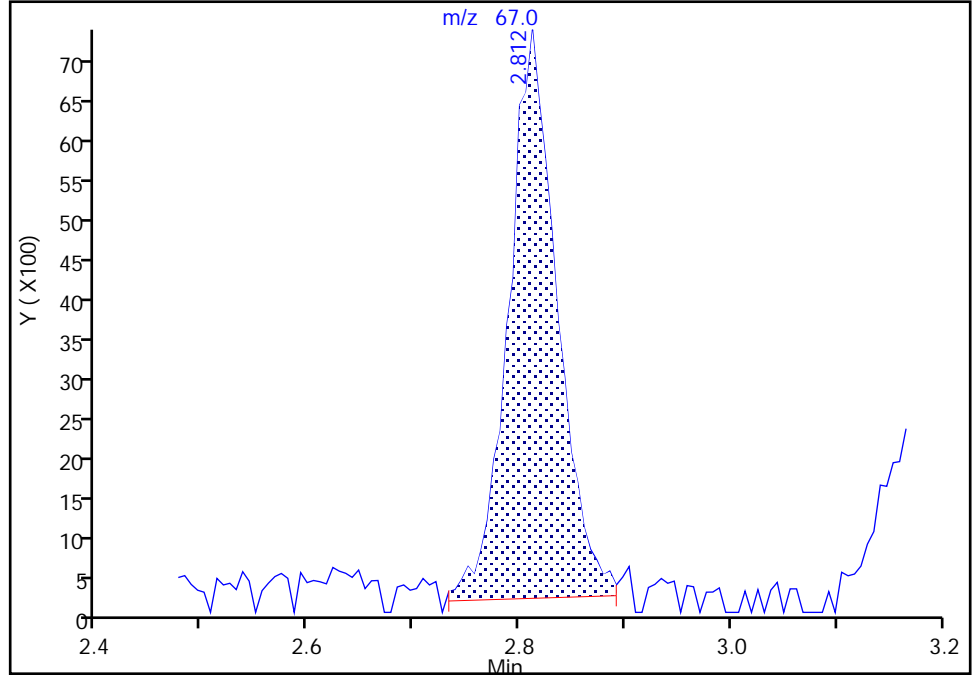
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Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

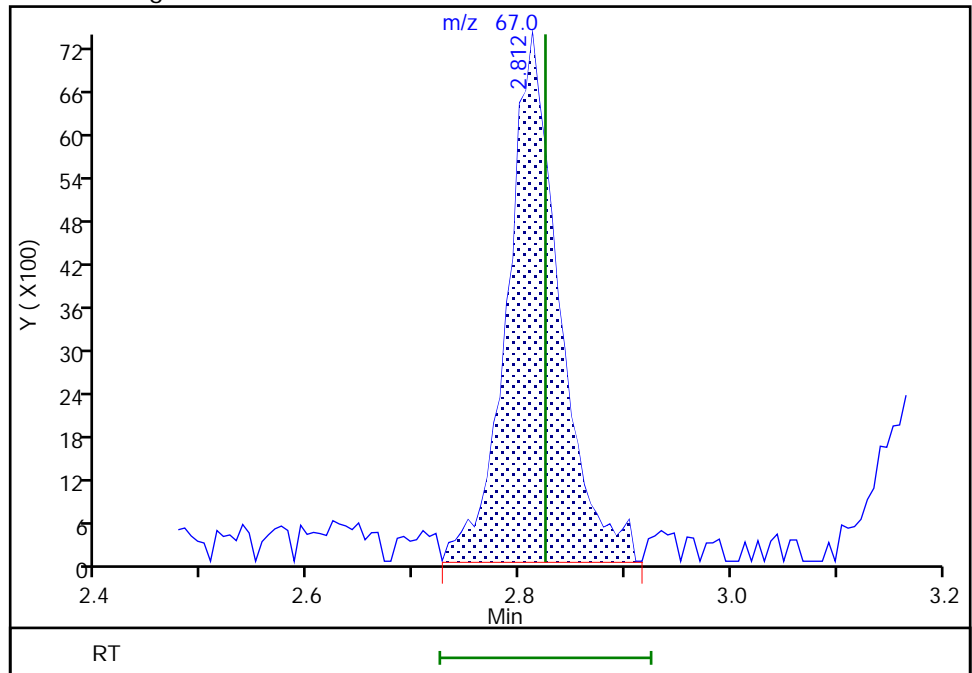
RT: 2.81
Area: 22789
Amount: 0.399524
Amount Units: ug/l

Processing Integration Results



RT: 2.81
Area: 24929
Amount: 0.238711
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:20:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

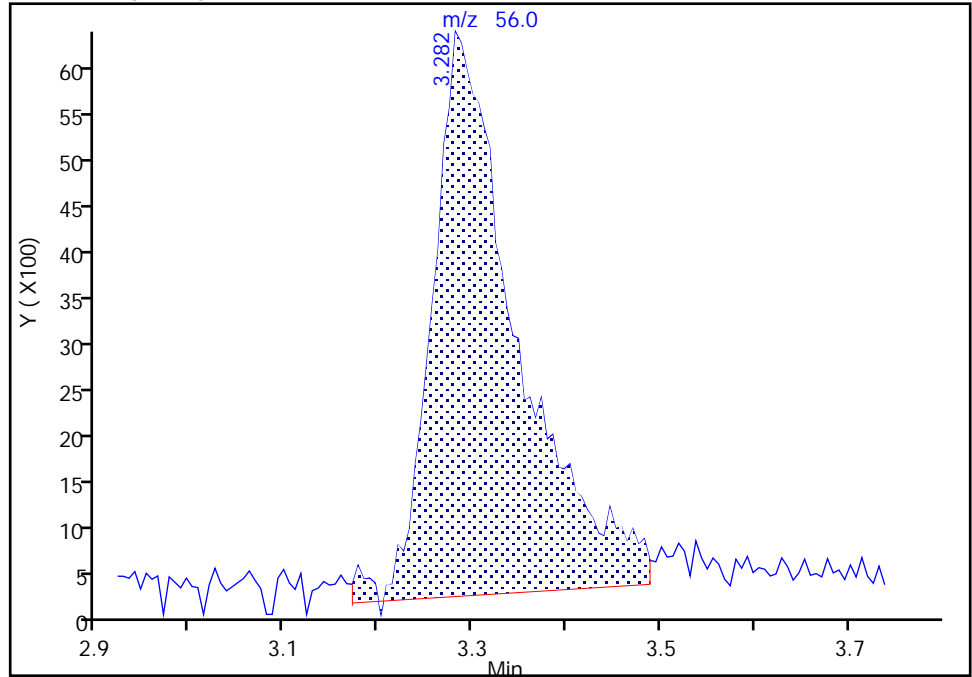
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Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

16 Acrolein, CAS: 107-02-8

Signal: 1

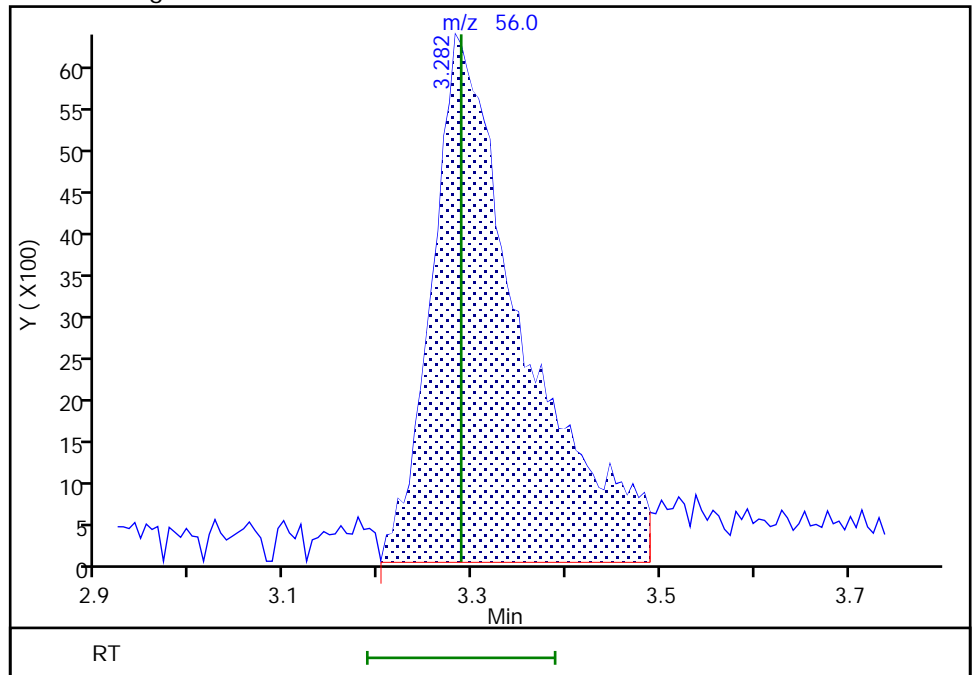
RT: 3.28
Area: 38539
Amount: 10.000253
Amount Units: ug/l

Processing Integration Results



RT: 3.28
Area: 42308
Amount: 10.765312
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:21:06
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

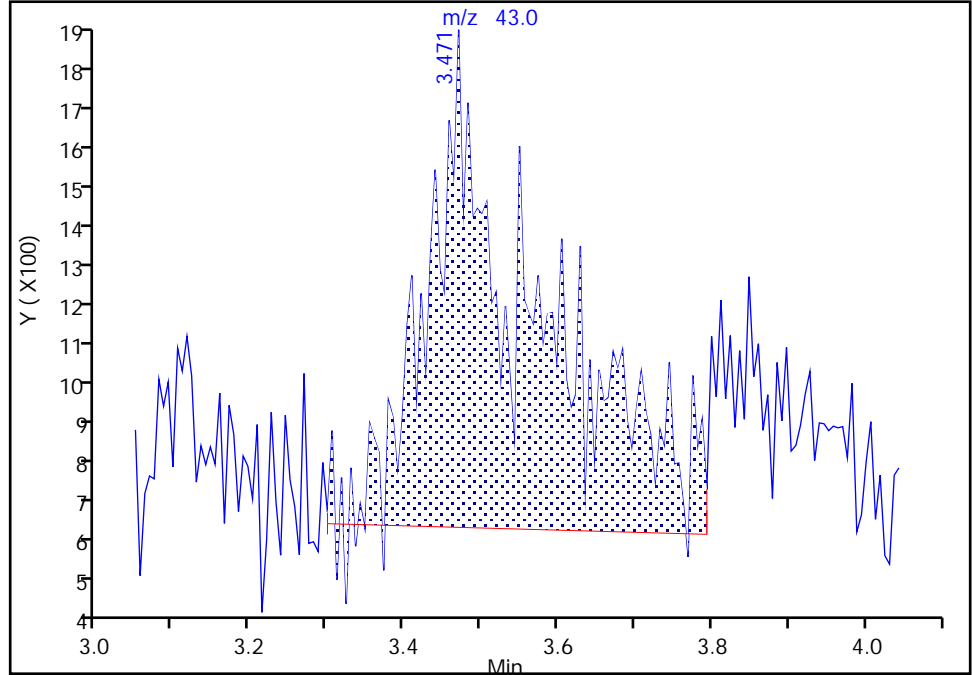
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Injection Date:	19-Apr-2023 21:41:30	Instrument ID:	19094
Lims ID:	IC std1 0.2		
Client ID:			
Operator ID:	mec29284	ALS Bottle#:	12
Purge Vol:	25.000 mL	Dil. Factor:	1.0000
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D
Column:	Rxi-624Sil MS Capillary Column (0.25mm ID)	Detector:	MS Quad
		Worklist Smp#:	13

19 Acetone, CAS: 67-64-1

Signal: 1

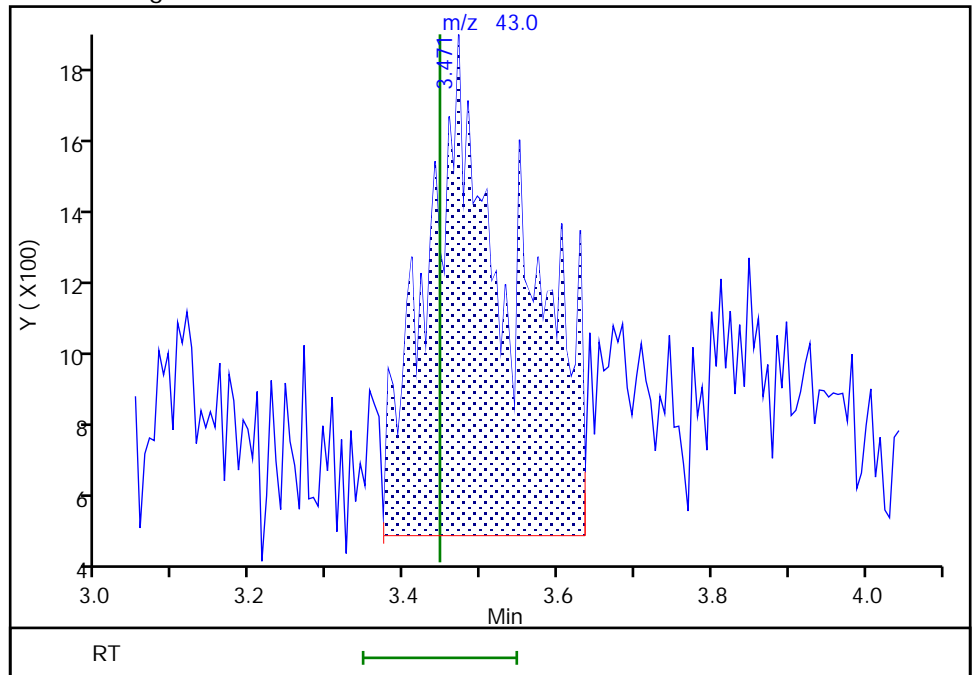
RT: 3.47
 Area: 11643
 Amount: 2.000000
 Amount Units: ug/l

Processing Integration Results



RT: 3.47
 Area: 10984
 Amount: 2.796456
 Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:49:39
 Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

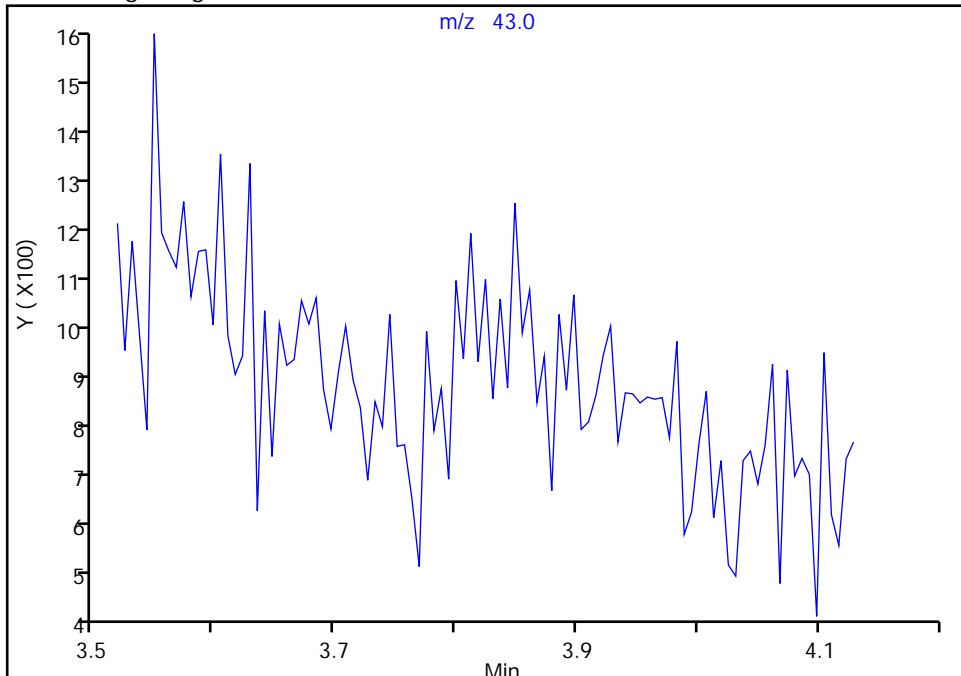
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Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Methyl acetate, CAS: 79-20-9

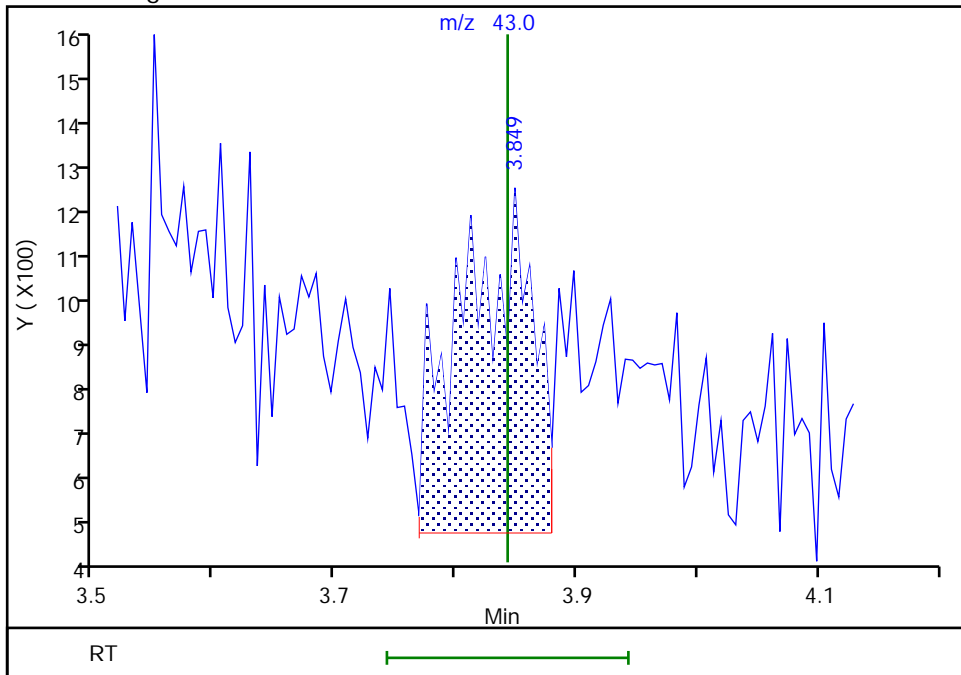
Signal: 1

Not Detected
Expected RT: 3.84

Processing Integration Results



Manual Integration Results



RT: 3.85
Area: 2932
Amount: 0.223141
Amount Units: ug/l

Reviewer: K4WN, 23-Apr-2023 19:22:15
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

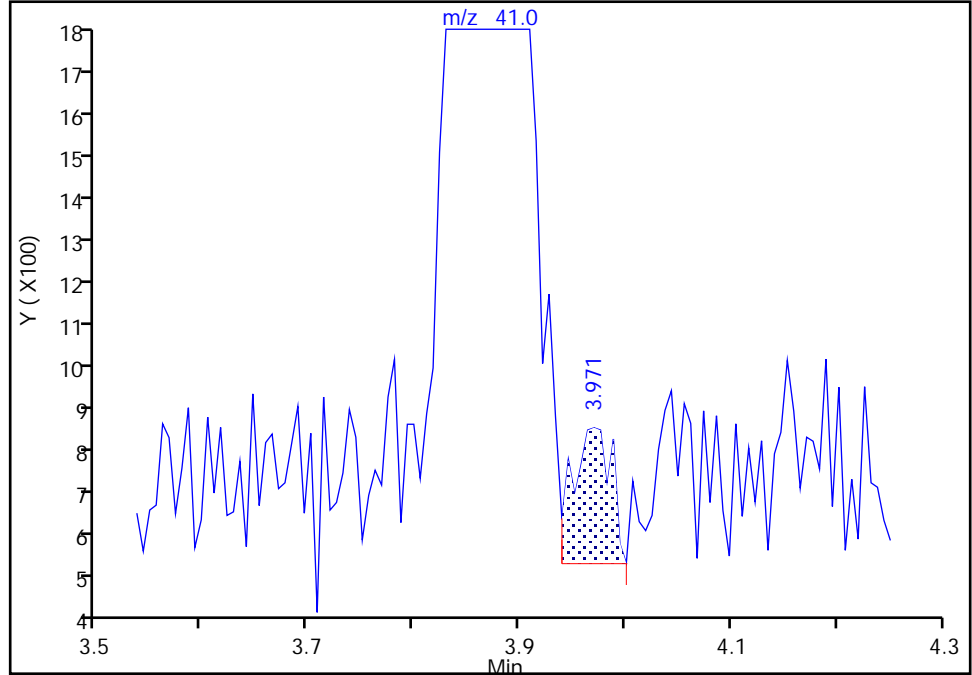
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Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

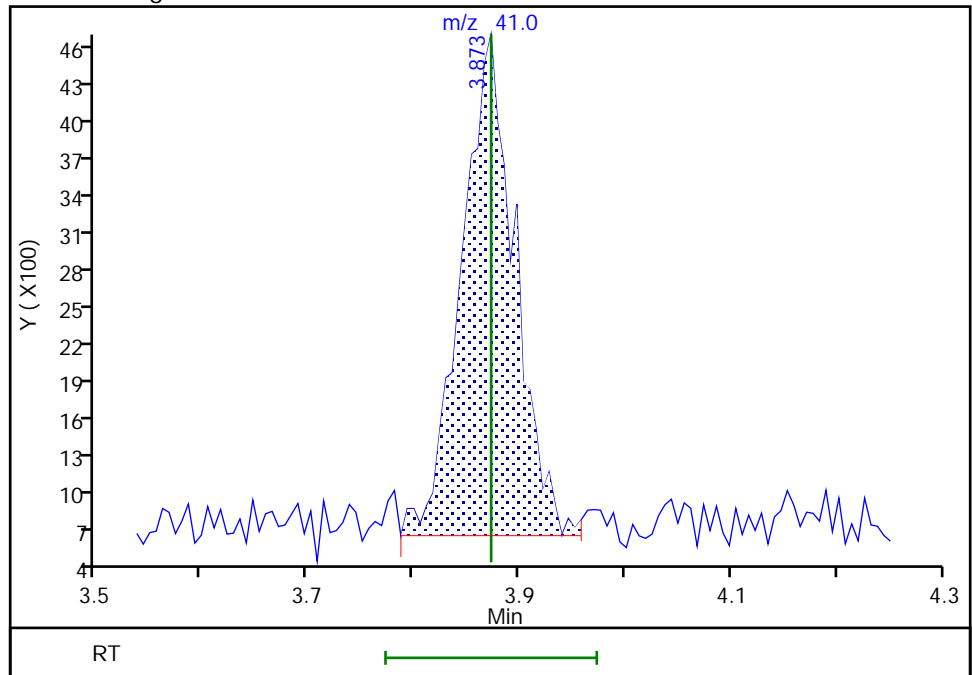
RT: 3.97
Area: 767
Amount: 0.388845
Amount Units: ug/l

Processing Integration Results



RT: 3.87
Area: 14193
Amount: 0.184390
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:22:20
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

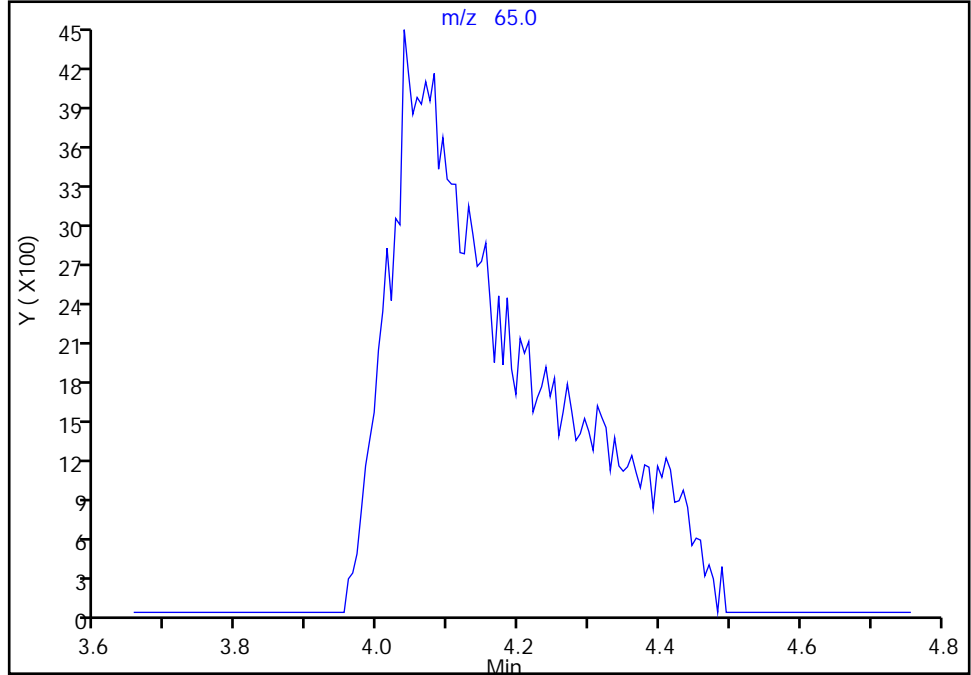
Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 28 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2
Signal: 1

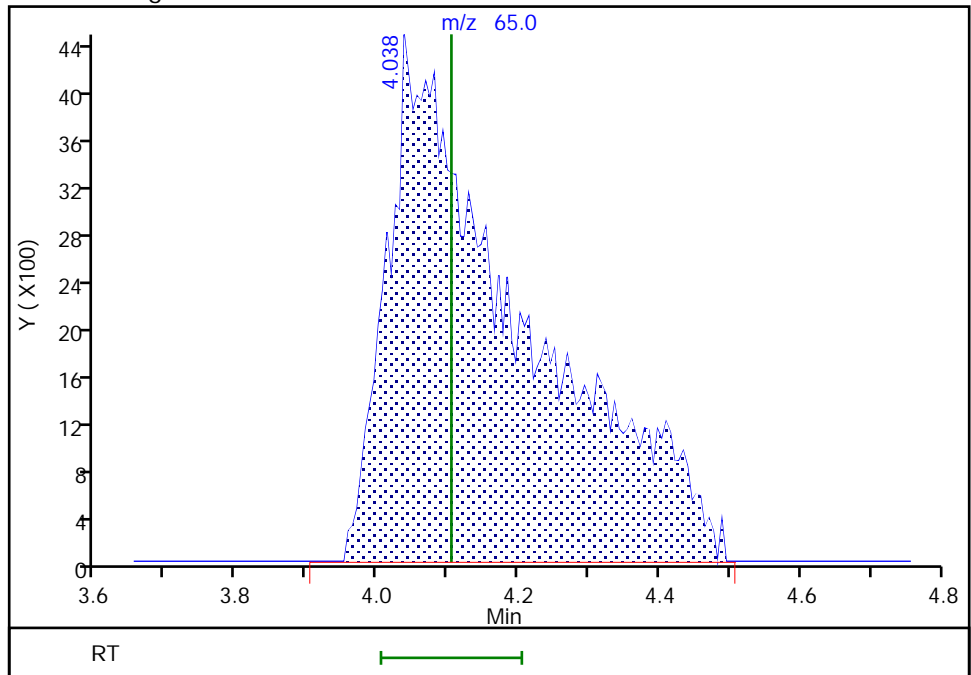
Not Detected
Expected RT: 4.10

Processing Integration Results



Manual Integration Results

RT: 4.04
Area: 59505
Amount: 50.000000
Amount Units: ug/l



Reviewer: K4WN, 23-Apr-2023 19:20:38
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

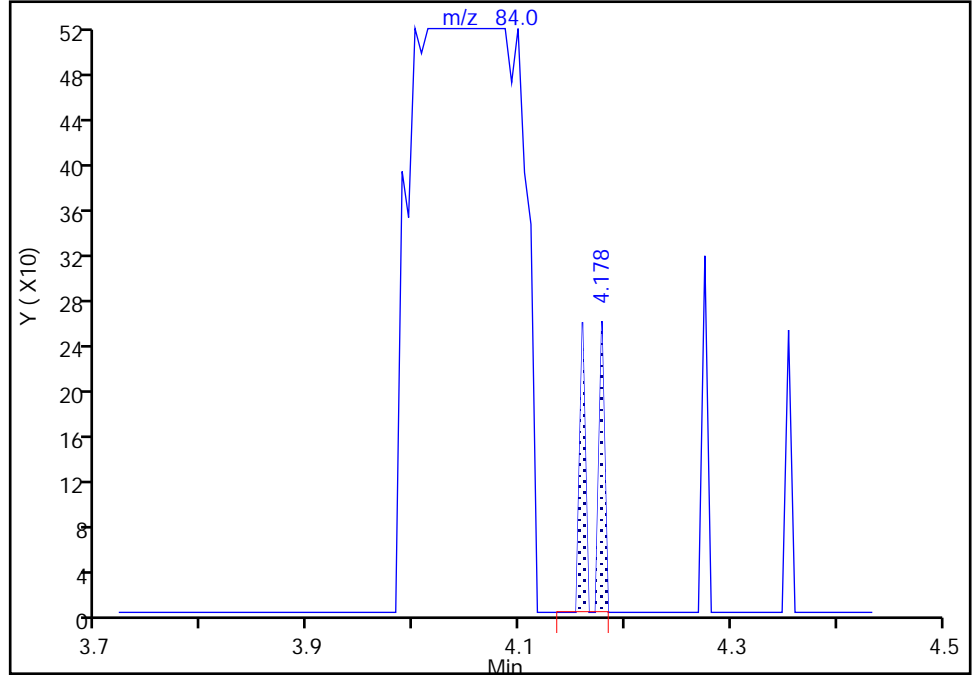
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Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

27 Methylene Chloride, CAS: 75-09-2

Signal: 1

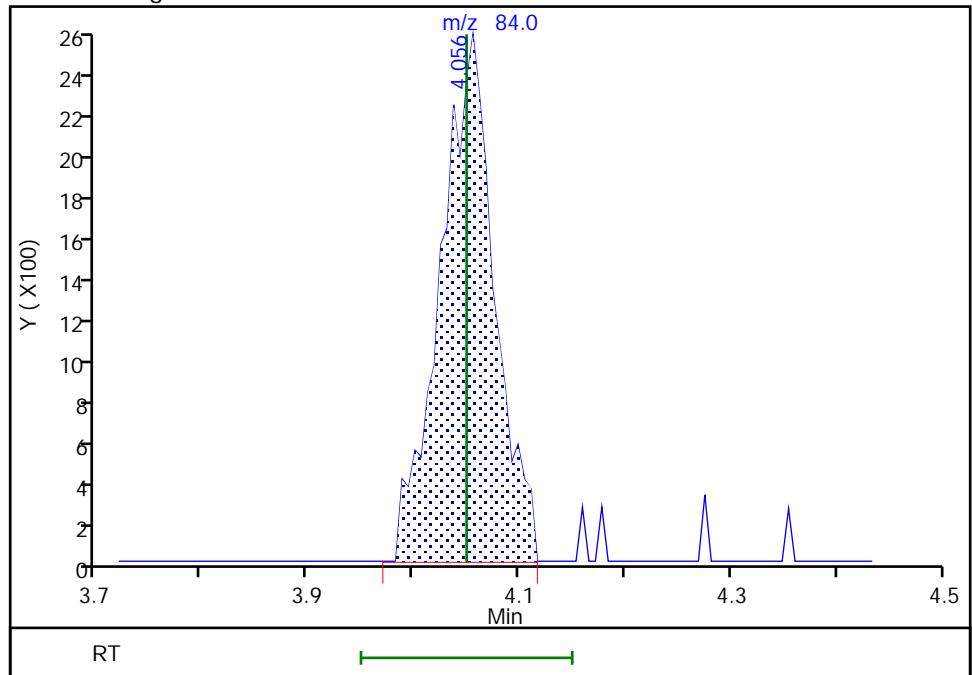
RT: 4.18
Area: 189
Amount: 0.374772
Amount Units: ug/l

Processing Integration Results



RT: 4.06
Area: 8984
Amount: 0.195402
Amount Units: ug/l

Manual Integration Results



Eurofins Lancaster Laboratories Environment Testing, LLC

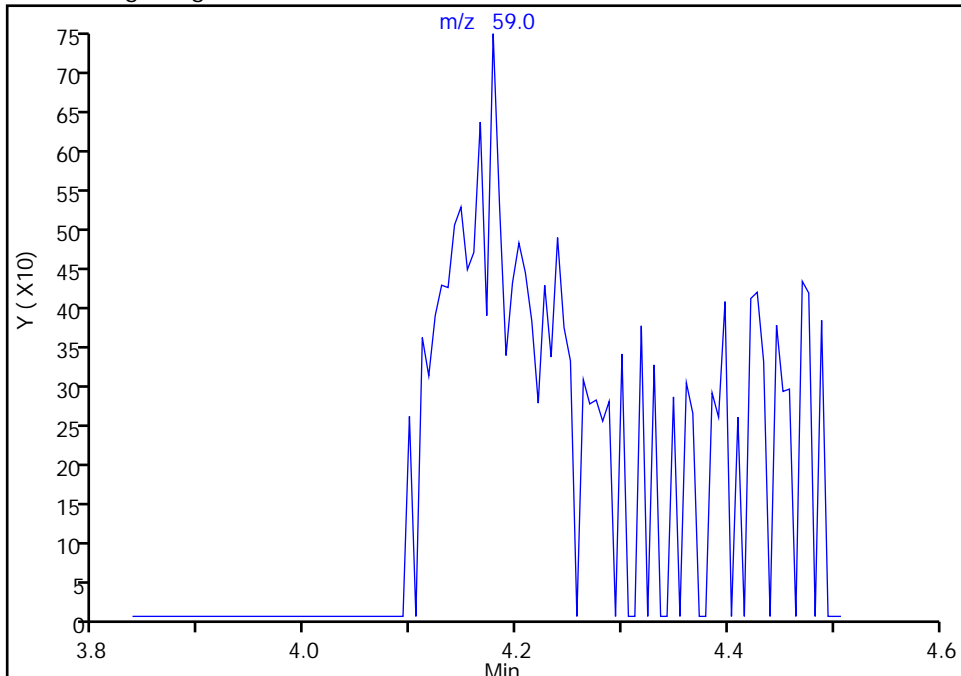
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Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

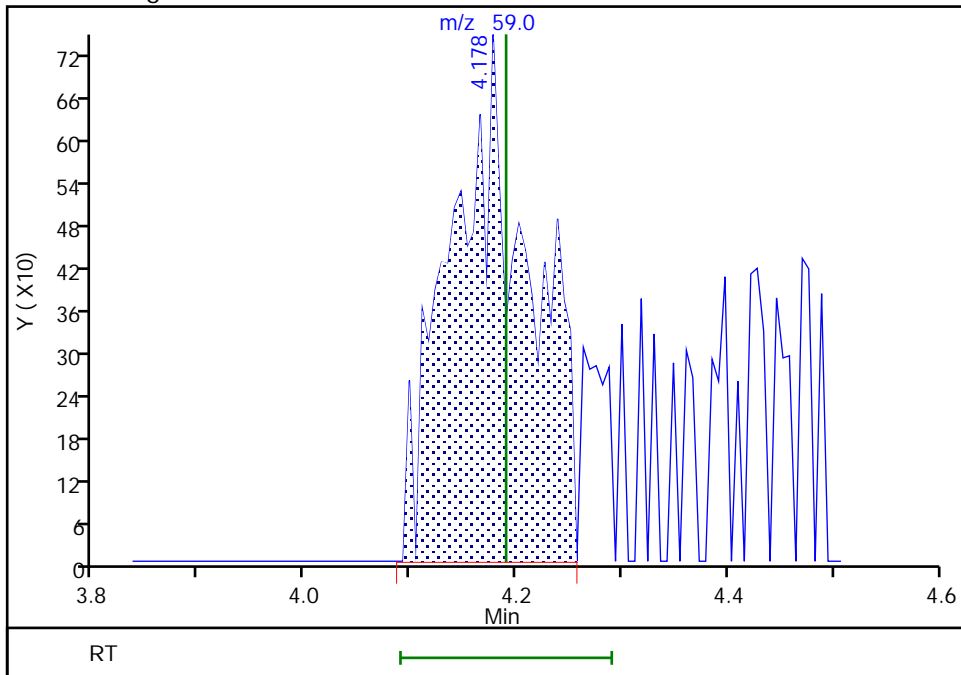
Not Detected
Expected RT: 4.19

Processing Integration Results



Manual Integration Results

RT: 4.18
Area: 3893
Amount: 3.390586
Amount Units: ug/l



Reviewer: K4WN, 23-Apr-2023 19:22:37
Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

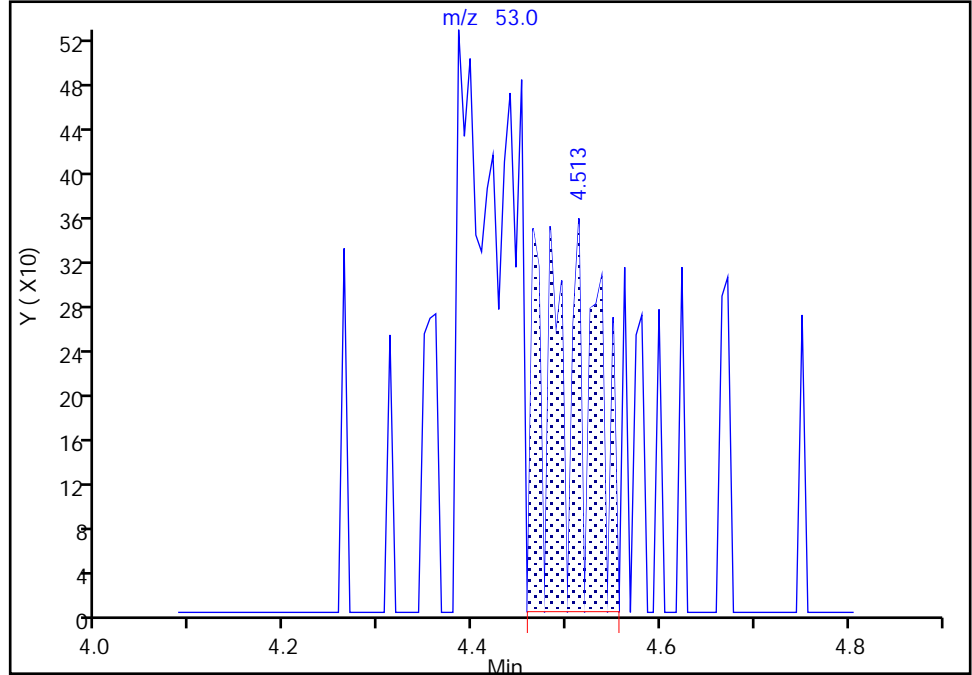
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Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

31 Acrylonitrile, CAS: 107-13-1

Signal: 1

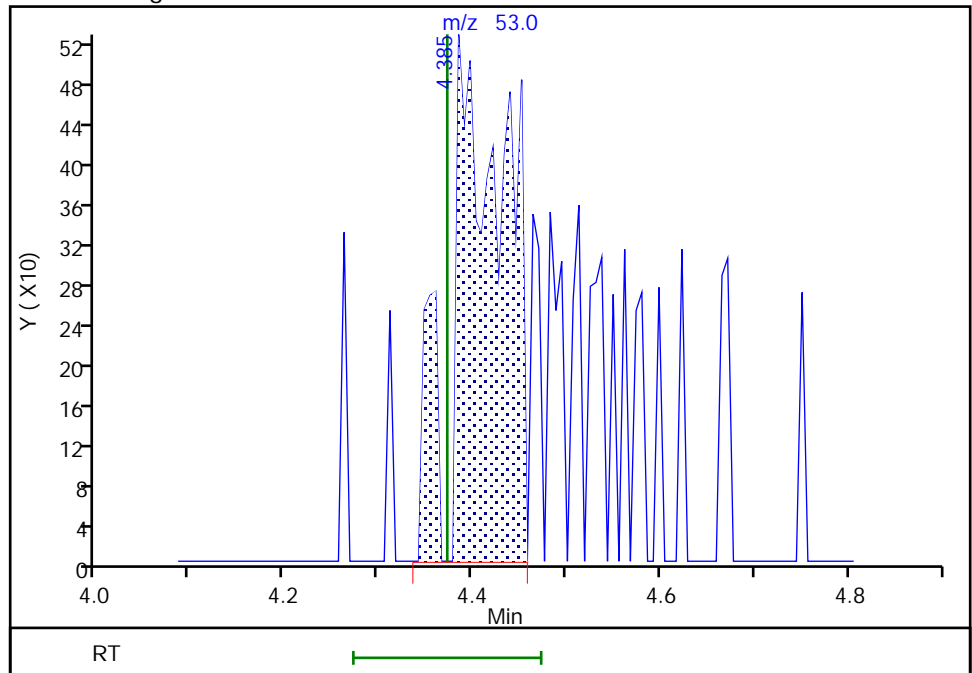
RT: 4.51
Area: 1204
Amount: 0.500000
Amount Units: ug/l

Processing Integration Results



RT: 4.39
Area: 2061
Amount: 0.348498
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:22:49
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

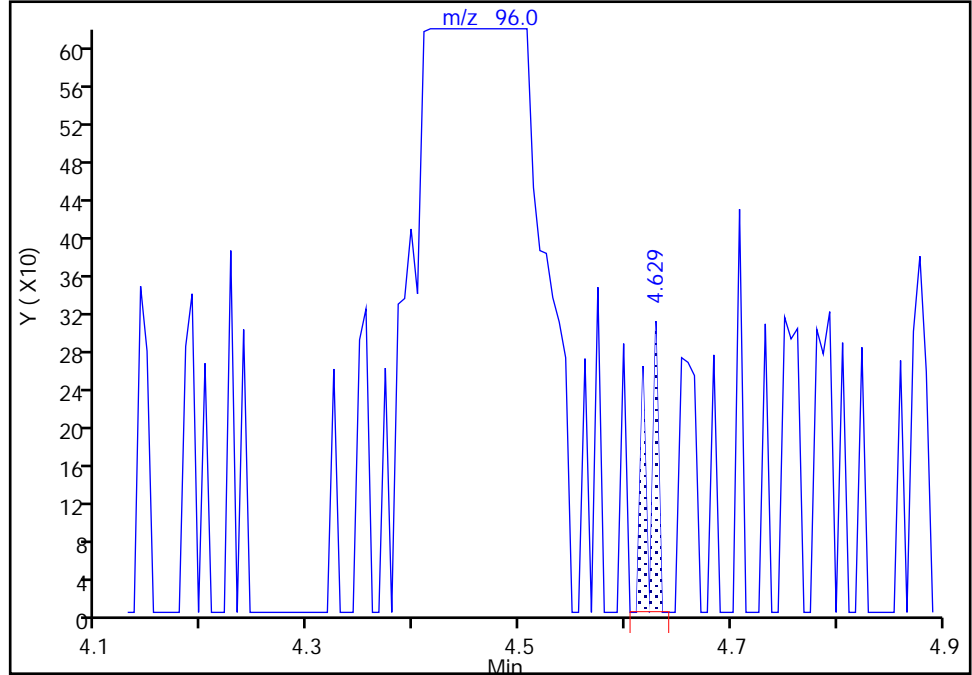
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Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

33 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

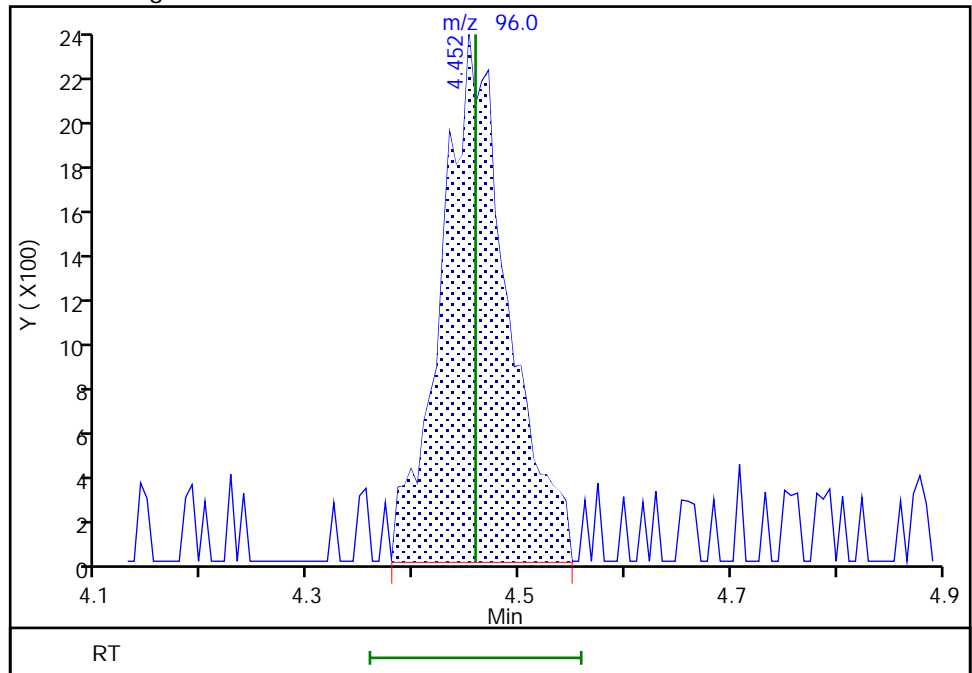
RT: 4.63
Area: 209
Amount: 0.399987
Amount Units: ug/l

Processing Integration Results



RT: 4.45
Area: 10137
Amount: 0.208708
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:23:02
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

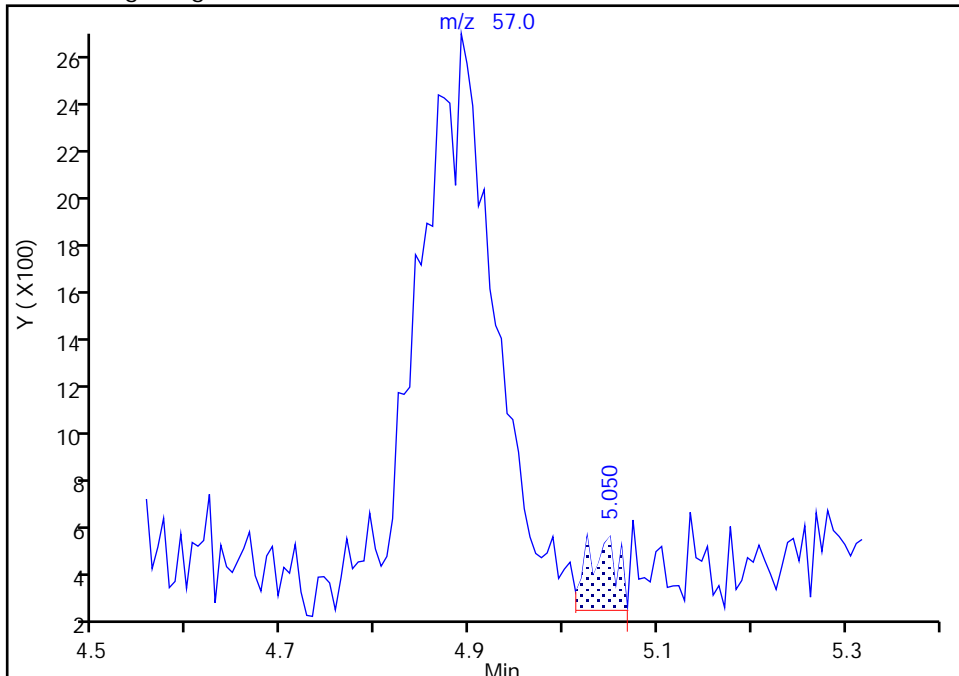
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X12.D
Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

34 Hexane, CAS: 110-54-3

Signal: 1

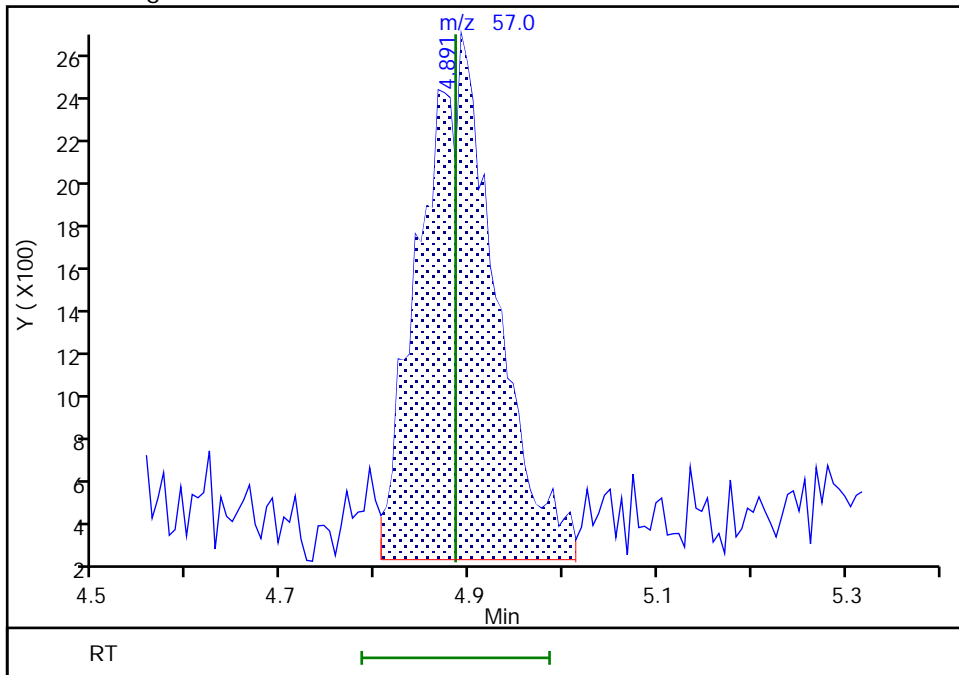
RT: 5.05
Area: 615
Amount: 0.388914
Amount Units: ug/l

Processing Integration Results



RT: 4.89
Area: 13003
Amount: 0.219837
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:23:37
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

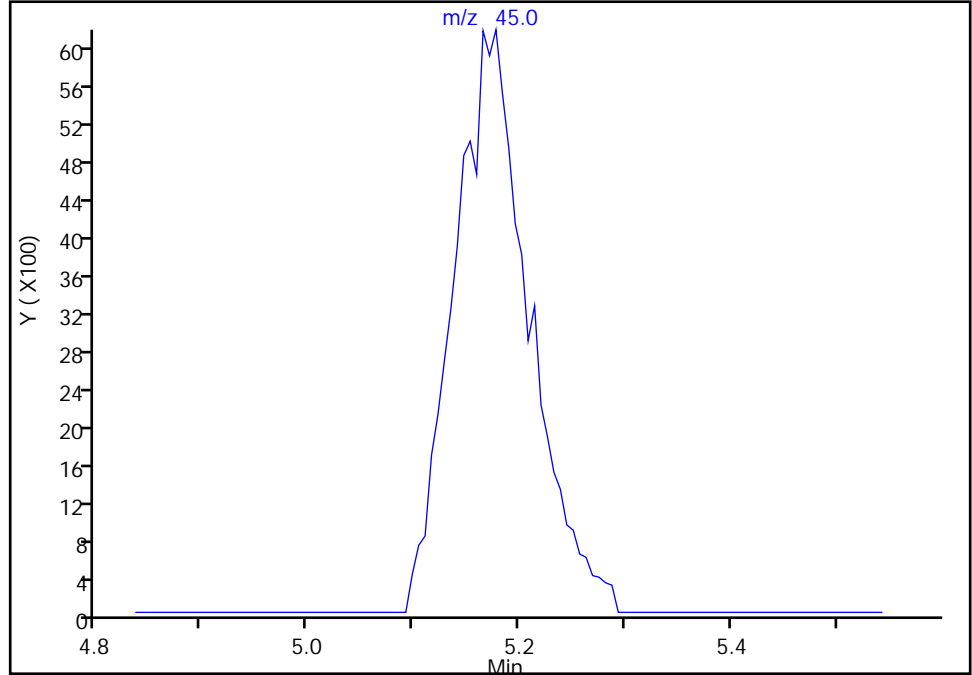
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X12.D
Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

37 Isopropyl ether, CAS: 108-20-3

Signal: 1

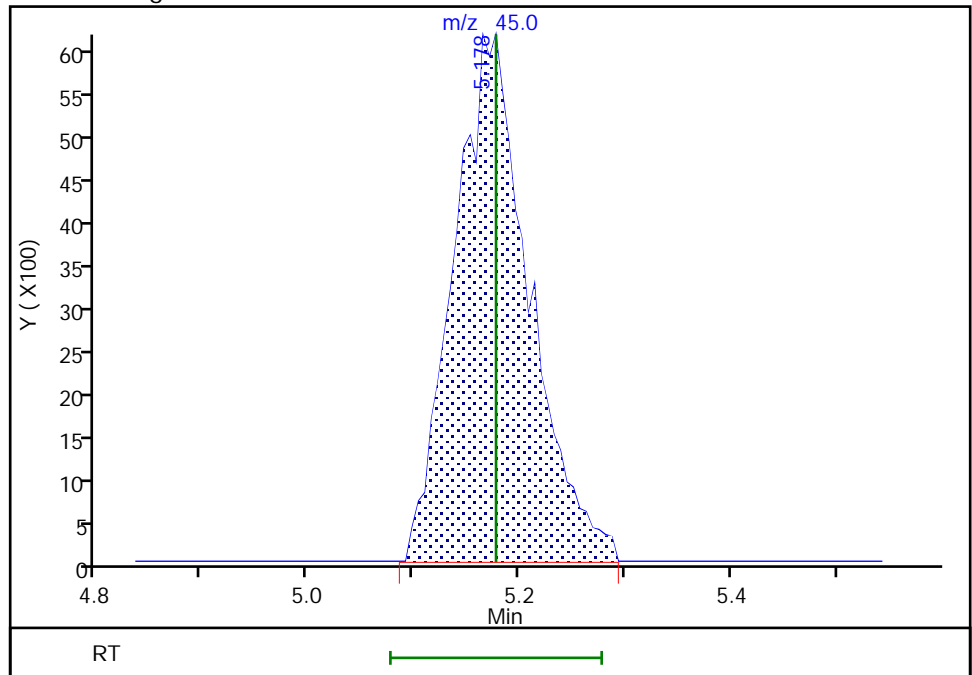
Not Detected
Expected RT: 5.18

Processing Integration Results



Manual Integration Results

RT: 5.18
Area: 30515
Amount: 0.191420
Amount Units: ug/l



Reviewer: K4WN, 23-Apr-2023 19:23:40
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

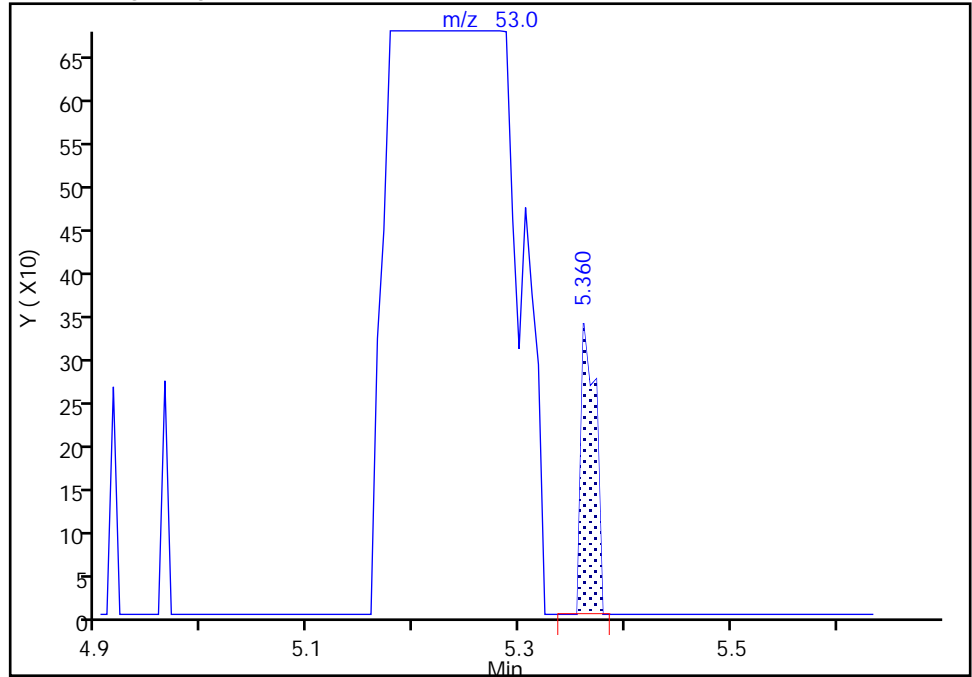
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Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

38 2-Chloro-1,3-butadiene, CAS: 126-99-8

Signal: 1

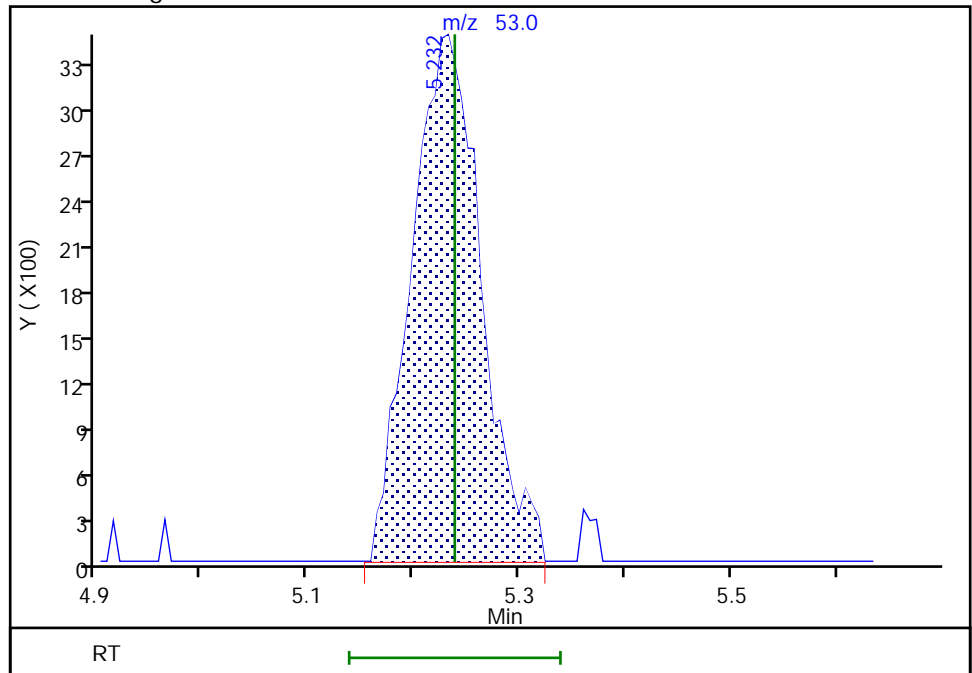
RT: 5.36
Area: 320
Amount: 0.373571
Amount Units: ug/l

Processing Integration Results



RT: 5.23
Area: 15760
Amount: 0.197725
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:23:43
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

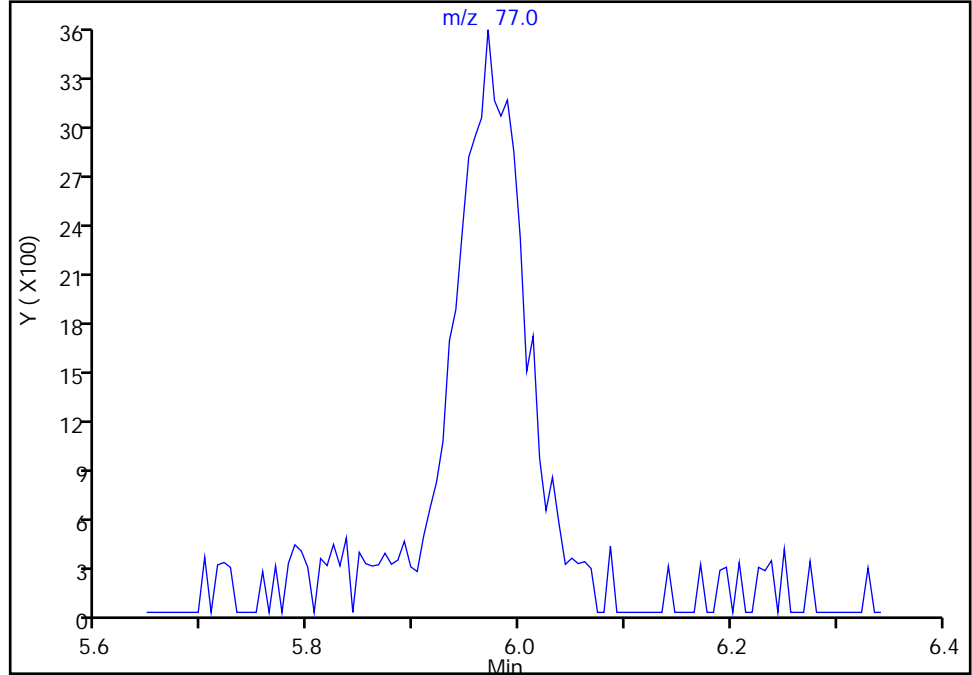
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Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

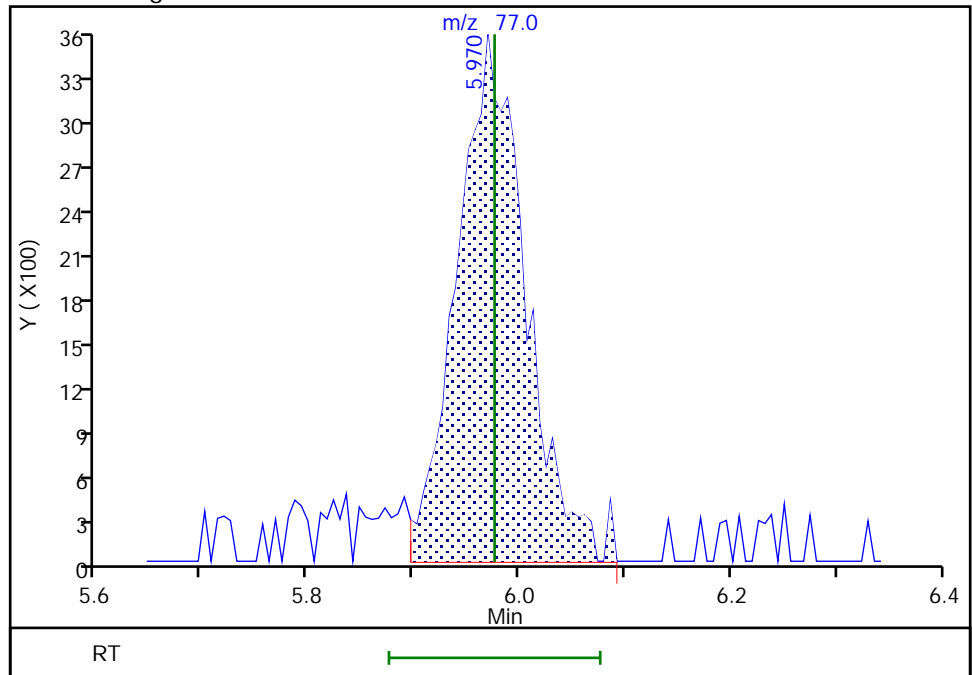
Not Detected
Expected RT: 5.98

Processing Integration Results



Manual Integration Results

RT: 5.97
Area: 16087
Amount: 0.213085
Amount Units: ug/l



Reviewer: K4WN, 23-Apr-2023 19:24:01
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

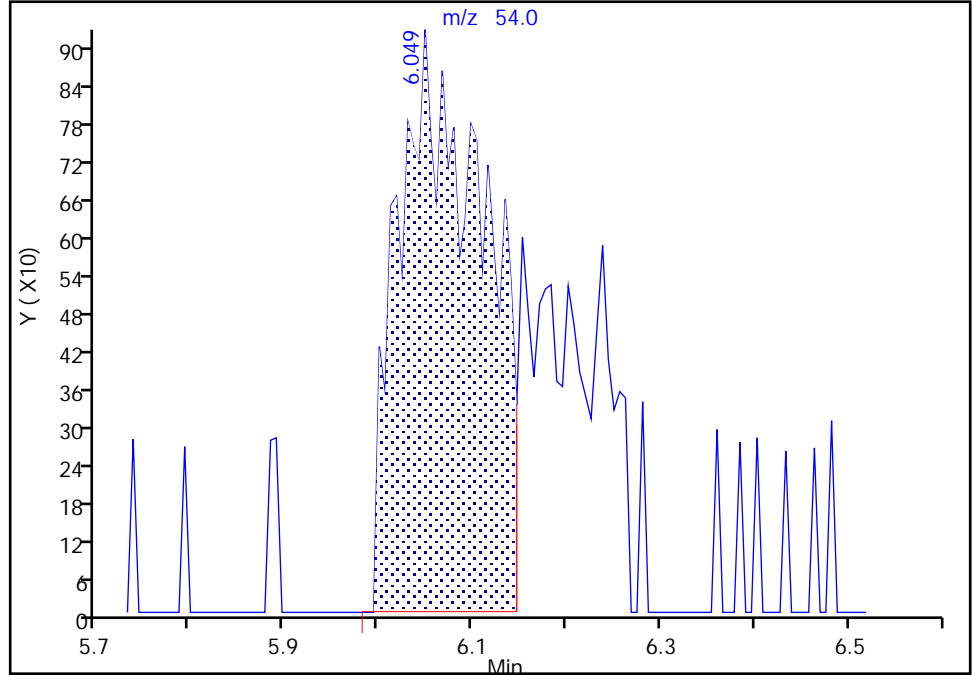
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Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

44 Propionitrile, CAS: 107-12-0

Signal: 1

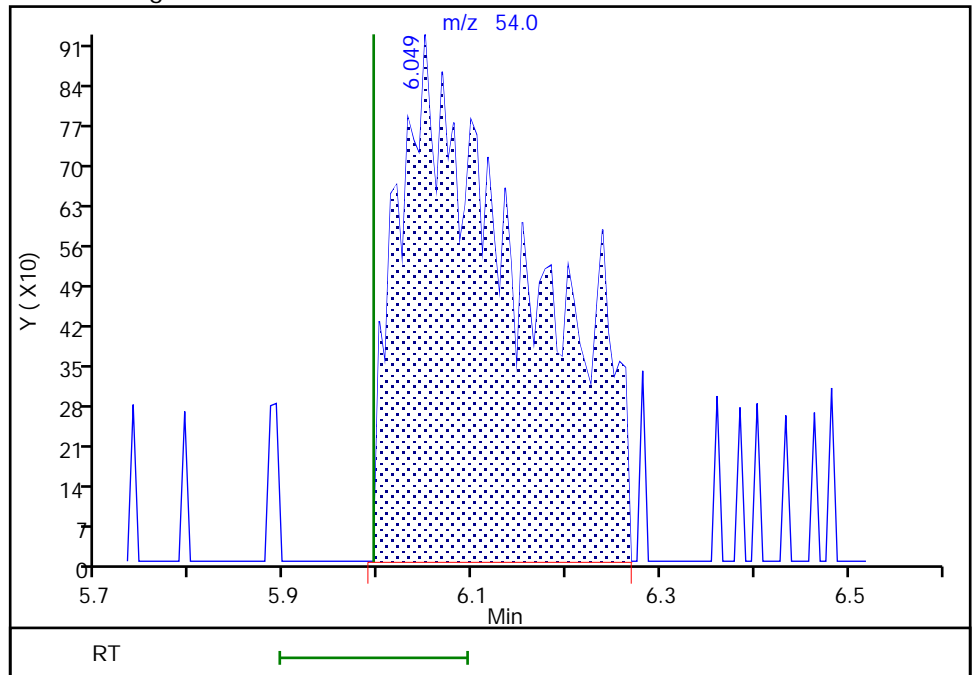
RT: 6.05
Area: 5813
Amount: 4.000000
Amount Units: ug/l

Processing Integration Results



RT: 6.05
Area: 8781
Amount: 4.350734
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:24:13
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

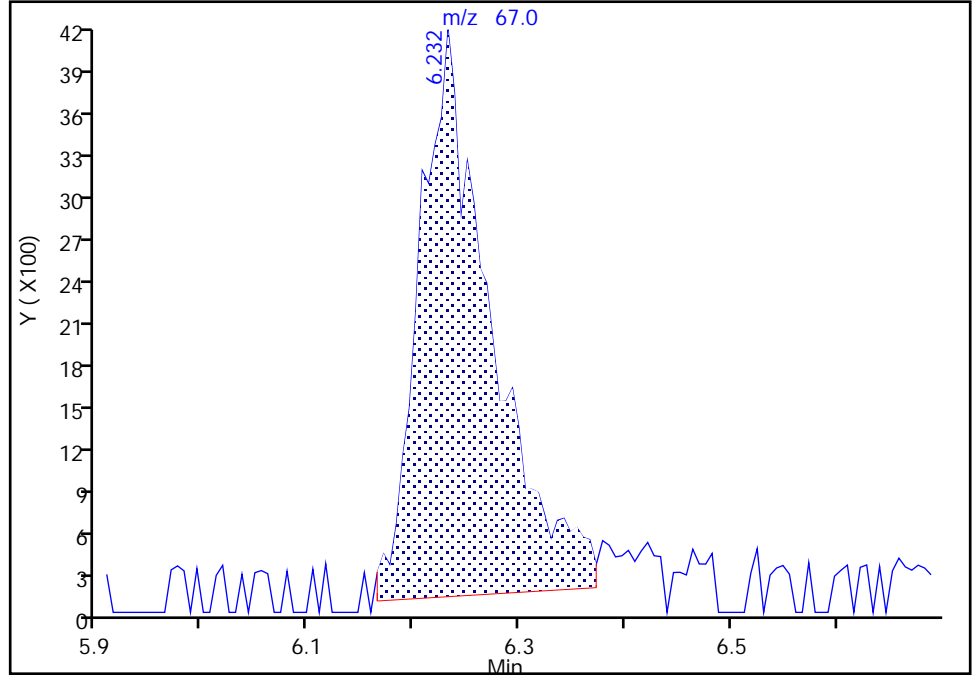
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Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

47 Methacrylonitrile, CAS: 126-98-7

Signal: 1

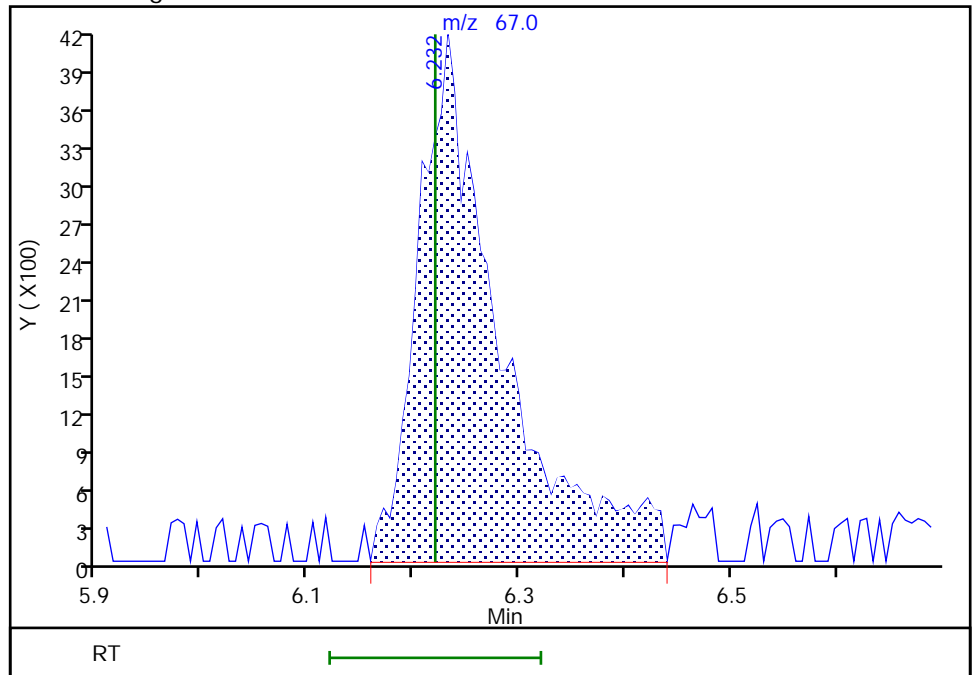
RT: 6.23
Area: 18891
Amount: 2.000000
Amount Units: ug/l

Processing Integration Results



RT: 6.23
Area: 22143
Amount: 2.428111
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:24:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

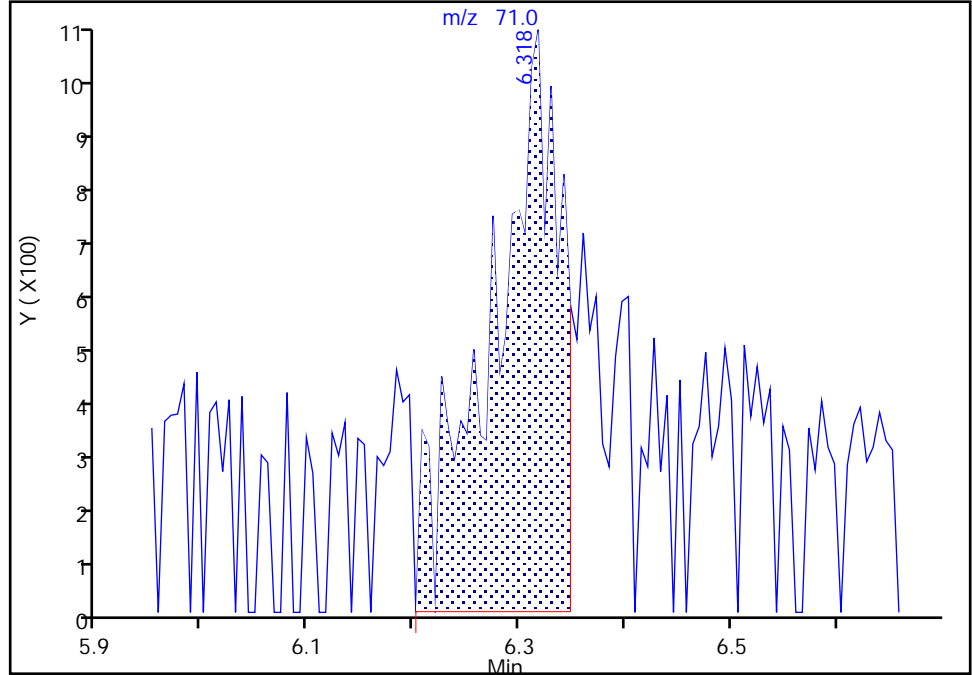
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Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

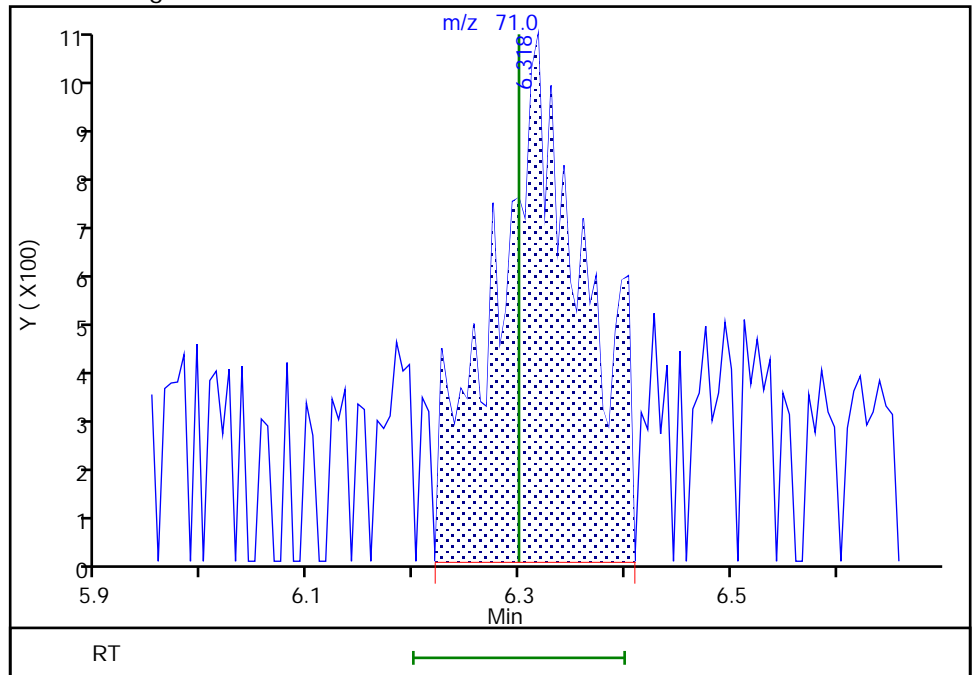
RT: 6.32
Area: 4692
Amount: 1.000000
Amount Units: ug/l

Processing Integration Results



RT: 6.32
Area: 6083
Amount: 2.845221
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:24:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

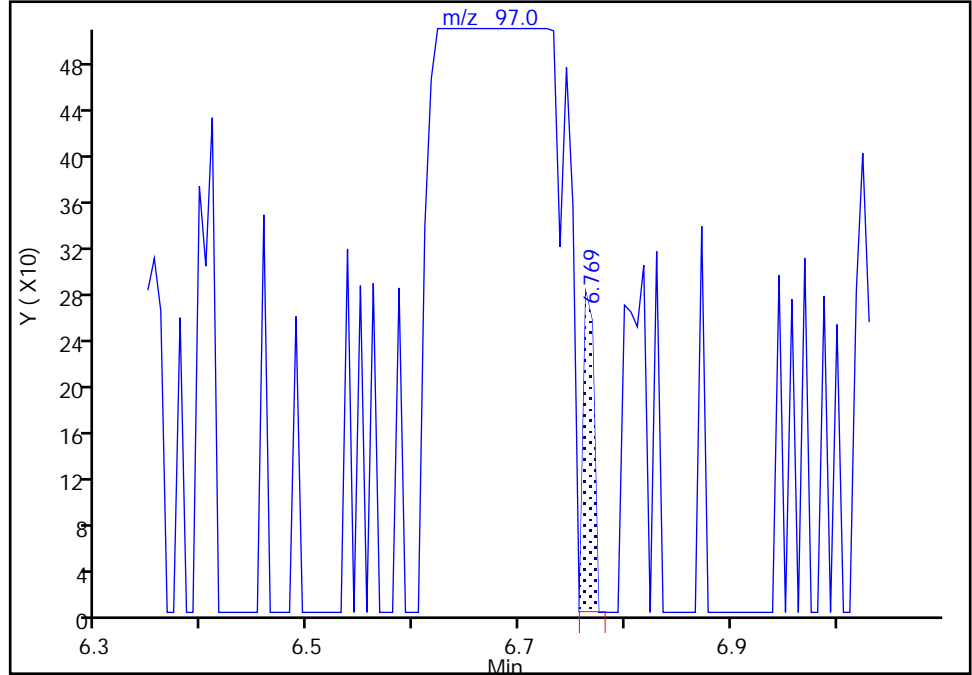
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Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

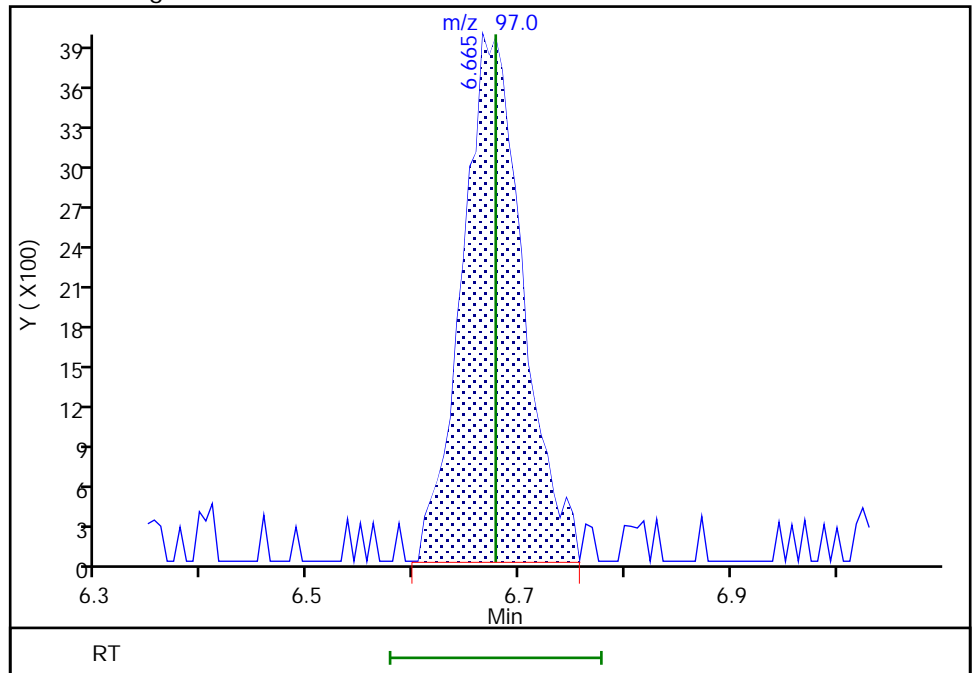
RT: 6.77
Area: 196
Amount: 0.399757
Amount Units: ug/l

Processing Integration Results



RT: 6.67
Area: 15812
Amount: 0.203396
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:25:11
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

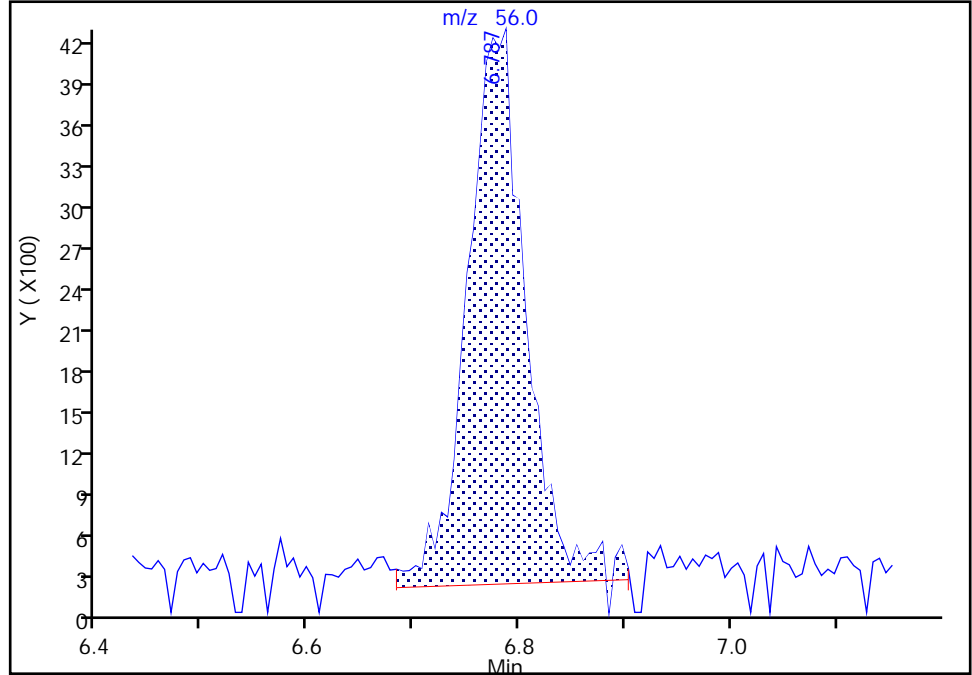
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Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

54 Cyclohexane, CAS: 110-82-7

Signal: 1

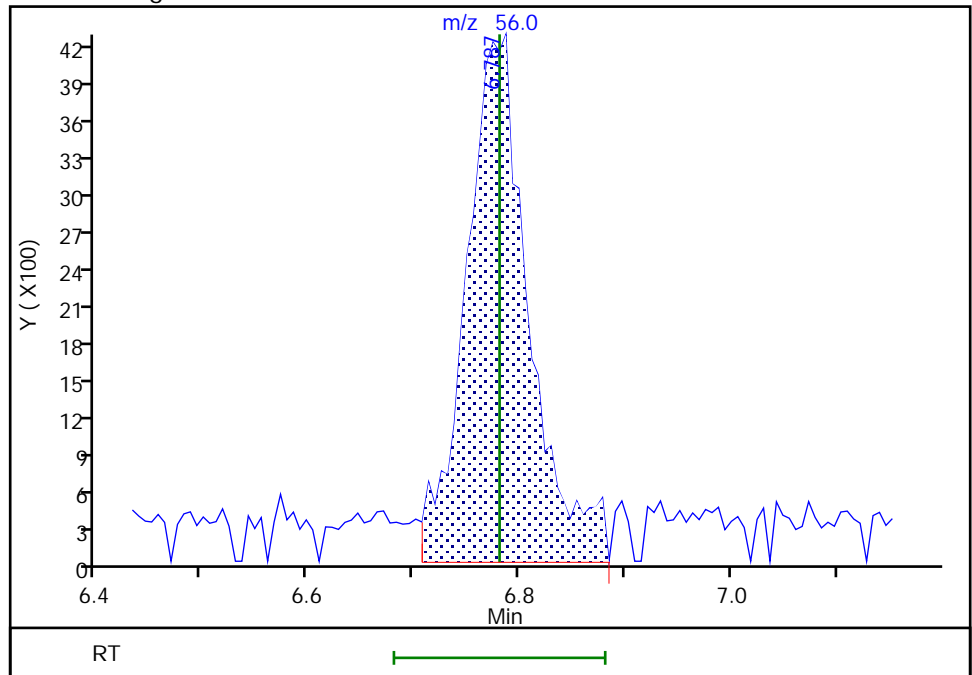
RT: 6.79
Area: 15427
Amount: 0.399370
Amount Units: ug/l

Processing Integration Results



RT: 6.79
Area: 17303
Amount: 0.208070
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:24:59
Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

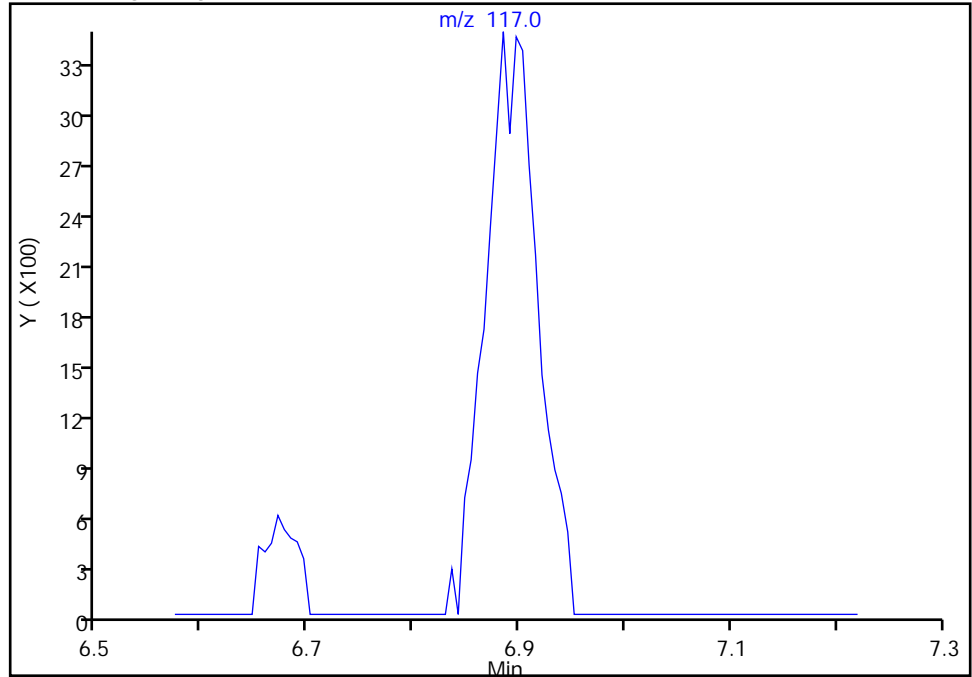
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X12.D
Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

56 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

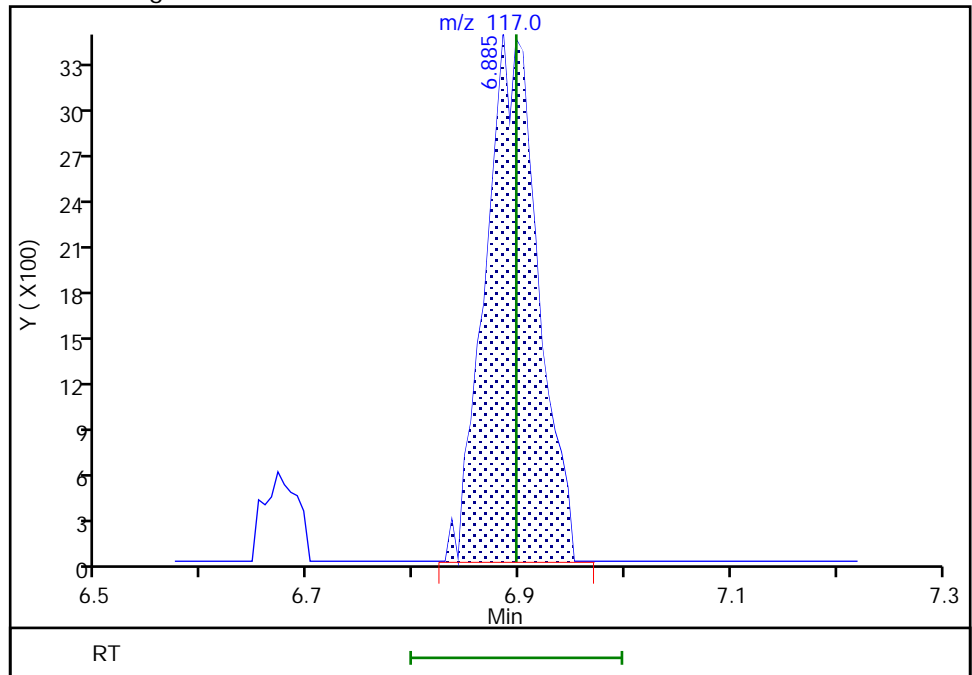
Not Detected
Expected RT: 6.90

Processing Integration Results



Manual Integration Results

RT: 6.88
Area: 11820
Amount: 0.180711
Amount Units: ug/l



Reviewer: K4WN, 23-Apr-2023 19:25:29
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Euofins Lancaster Laboratories Environment Testing, LLC

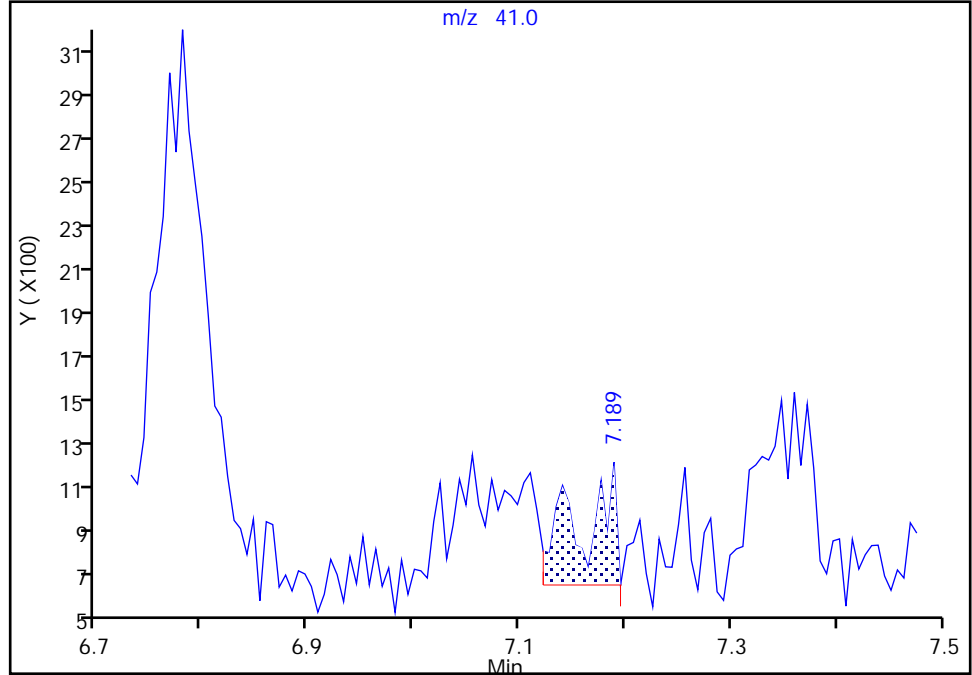
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Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

57 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

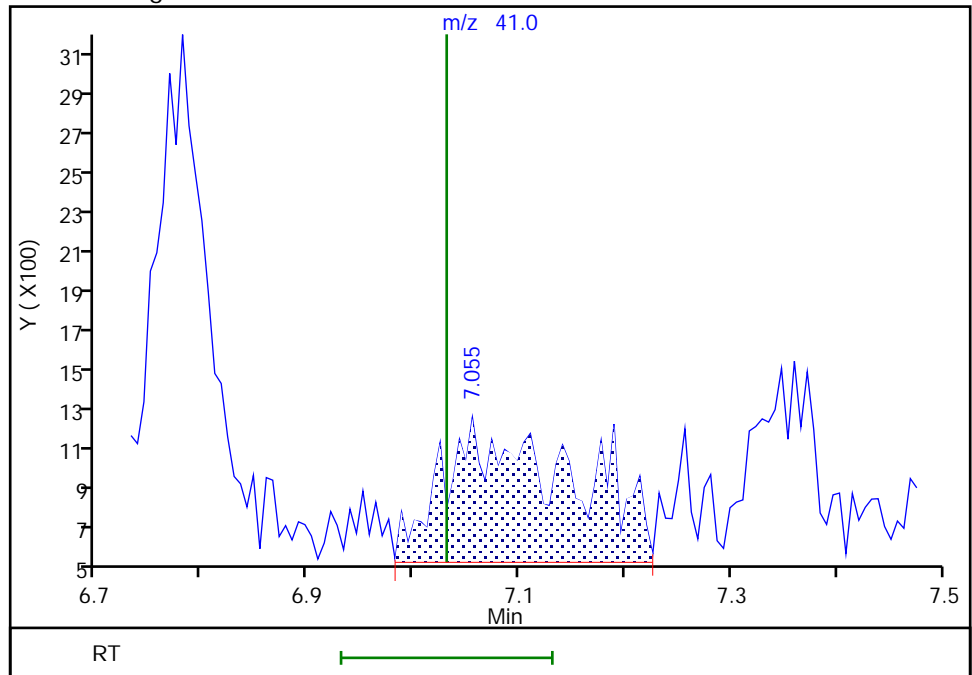
RT: 7.19
Area: 1237
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 7.06
Area: 5843
Amount: 12.686188
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:25:58
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

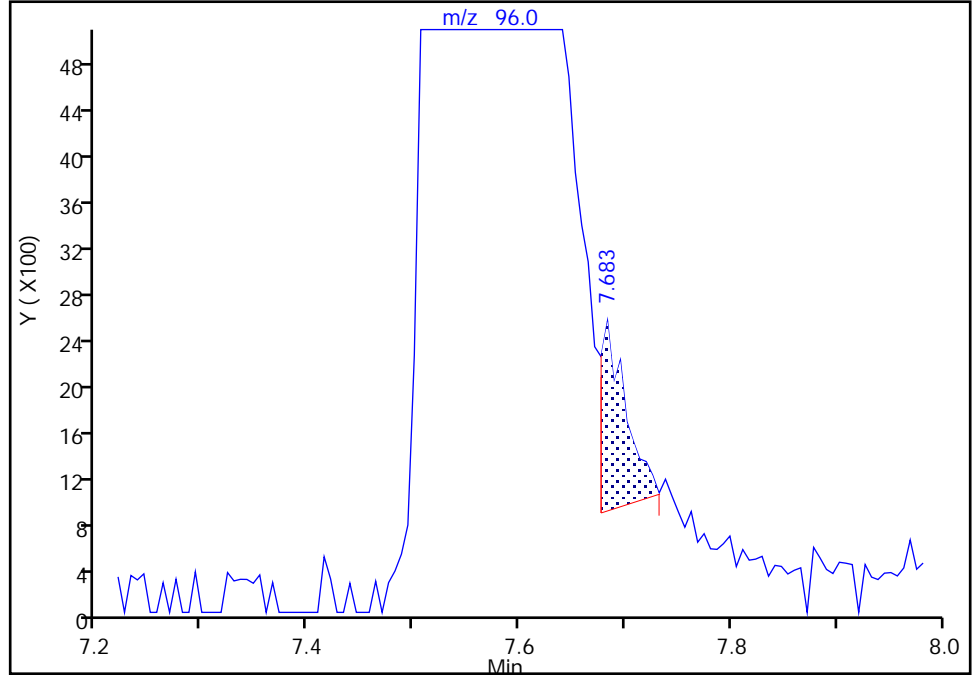
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X12.D
Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 64 Fluorobenzene (IS), CAS: 462-06-6
Signal: 1

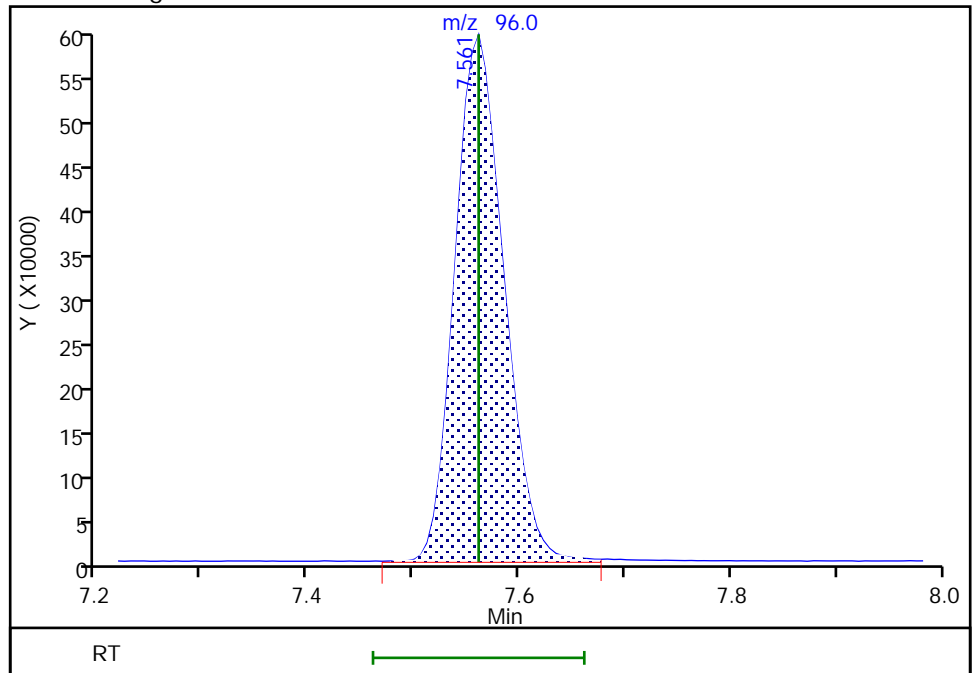
RT: 7.68
Area: 2714
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 7.56
Area: 1905653
Amount: 10.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:26:13
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

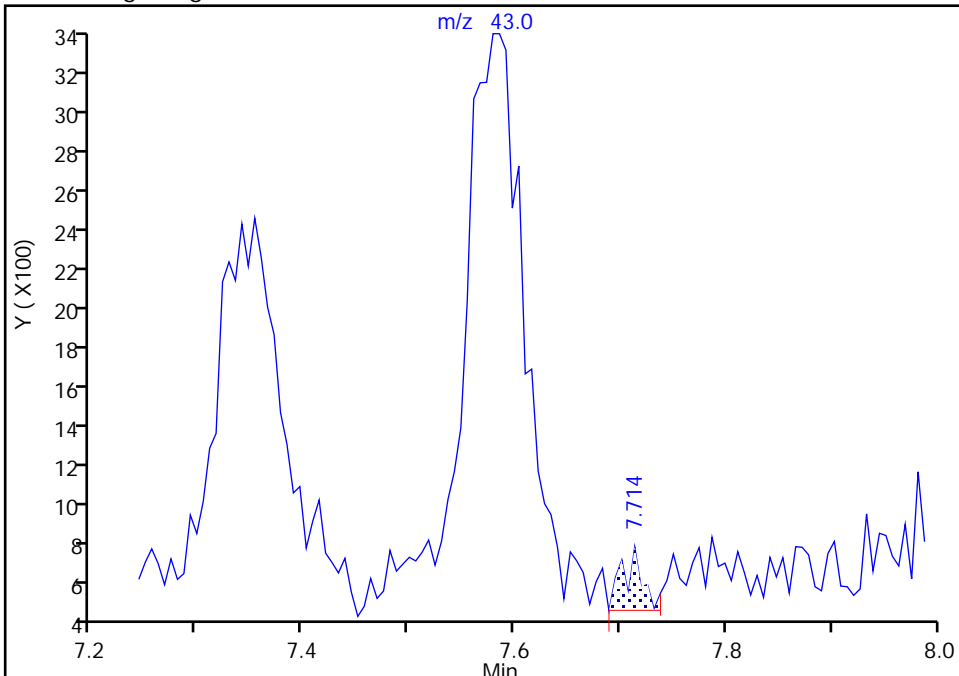
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X12.D
Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

65 n-Heptane, CAS: 142-82-5

Signal: 1

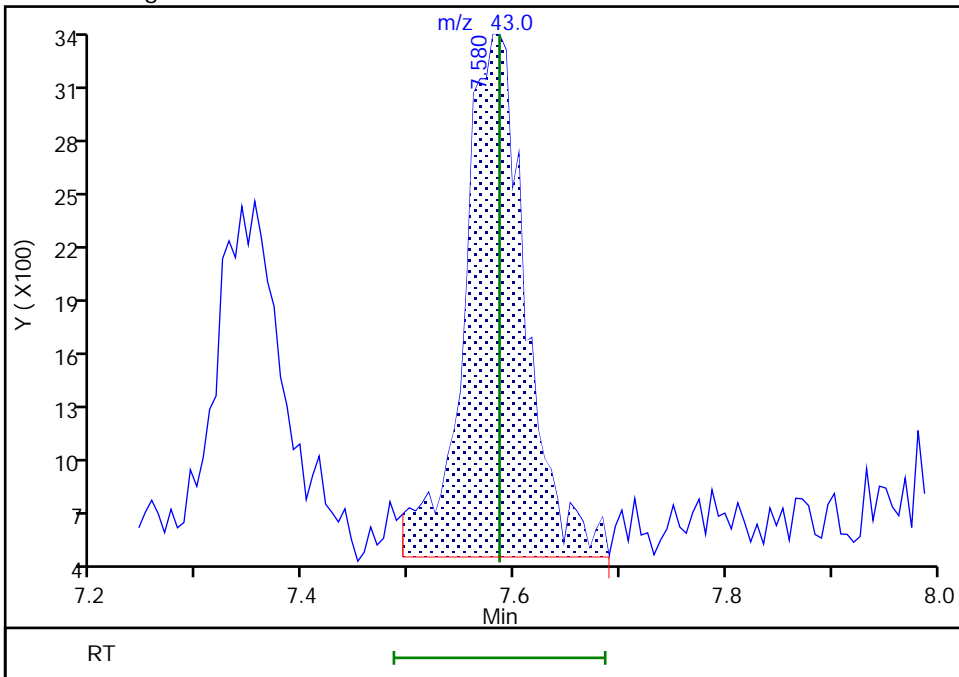
RT: 7.71
Area: 426
Amount: 0.394051
Amount Units: ug/l

Processing Integration Results



RT: 7.58
Area: 11676
Amount: 0.211143
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:26:23
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

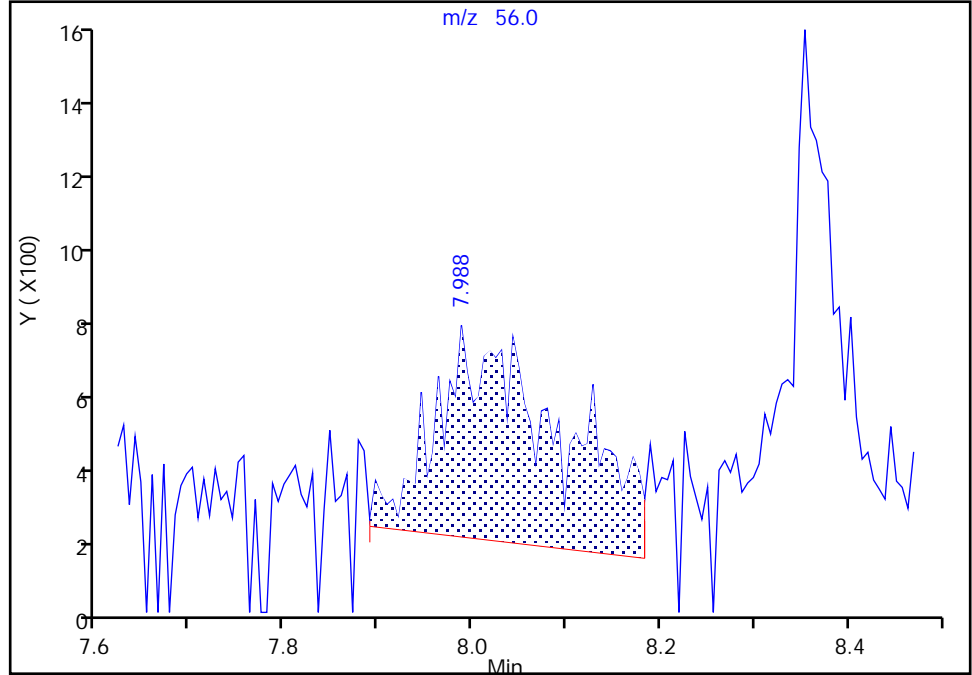
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X12.D
Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

67 n-Butanol, CAS: 71-36-3

Signal: 1

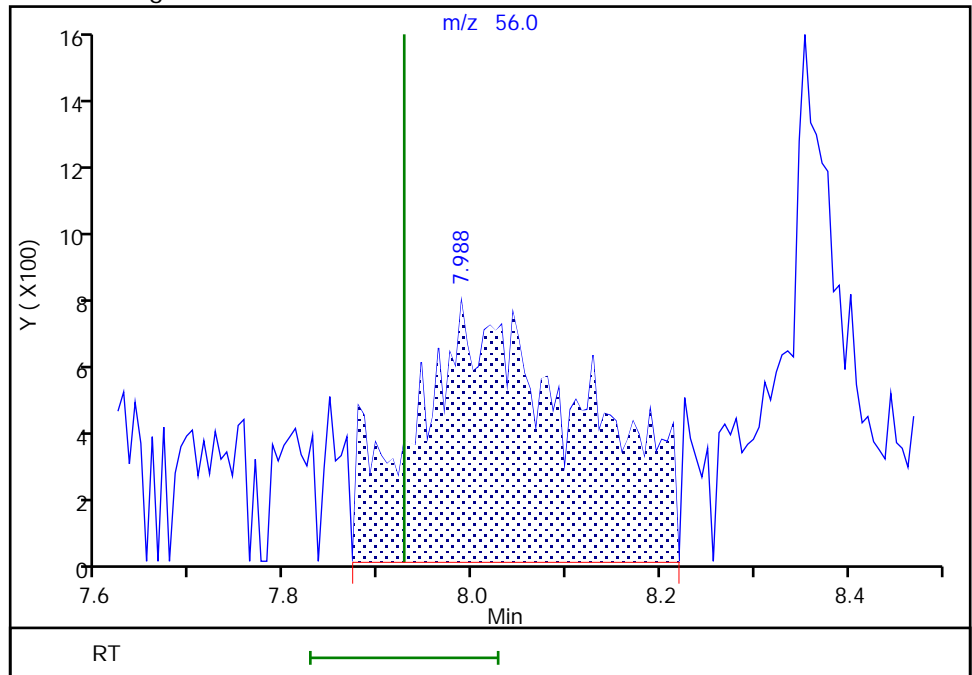
RT: 7.99
Area: 5200
Amount: 17.500000
Amount Units: ug/l

Processing Integration Results



RT: 7.99
Area: 9717
Amount: 29.100771
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:26:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

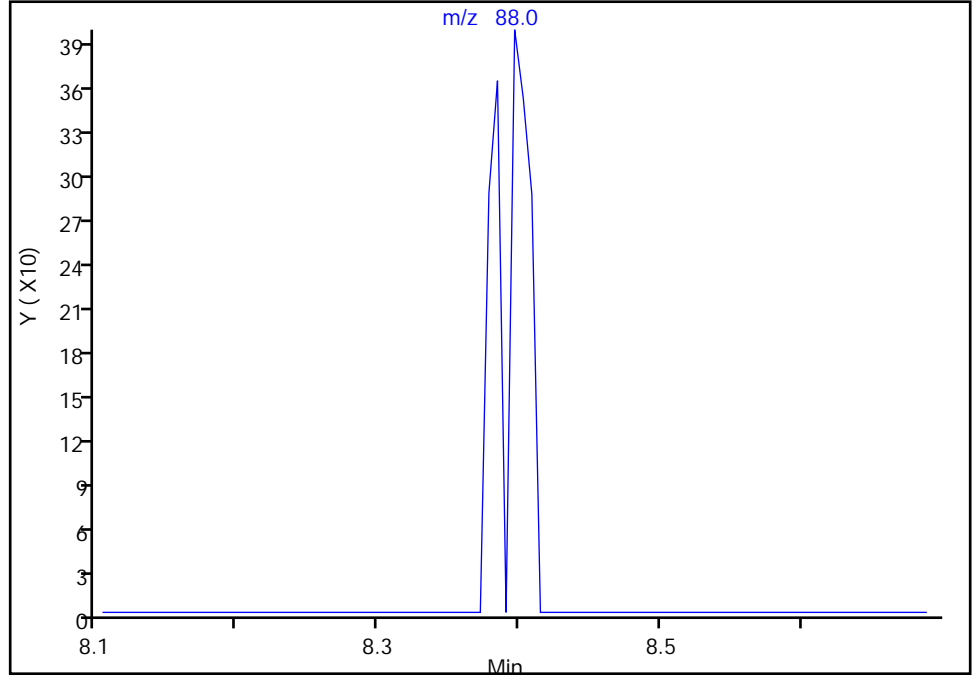
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X12.D
Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

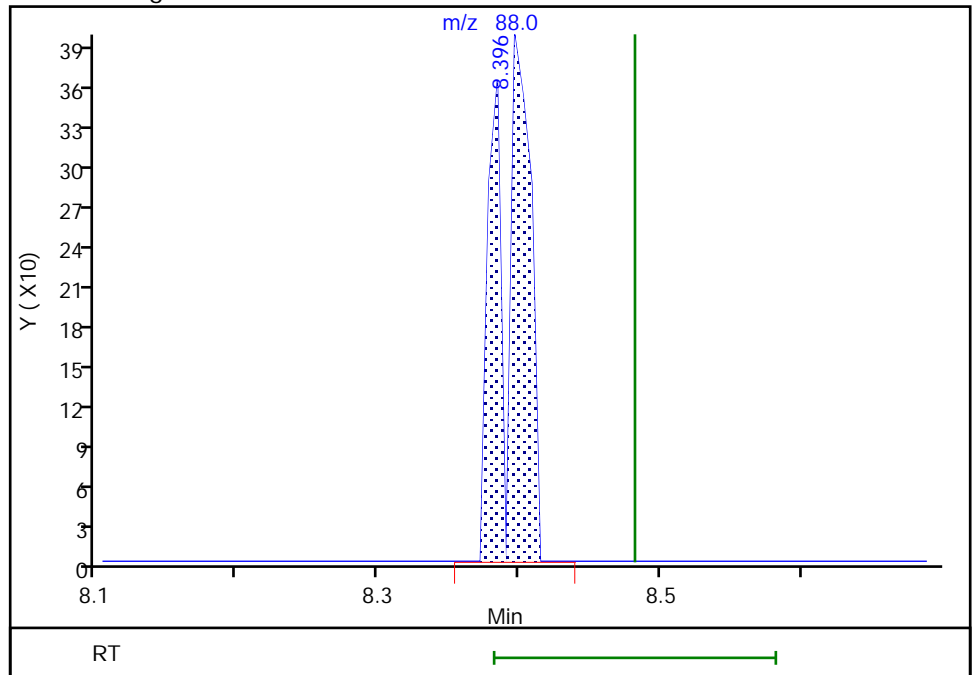
Not Detected
Expected RT: 8.48

Processing Integration Results



Manual Integration Results

RT: 8.40
Area: 619
Amount: 11.663284
Amount Units: ug/l



Reviewer: K4WN, 23-Apr-2023 19:27:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

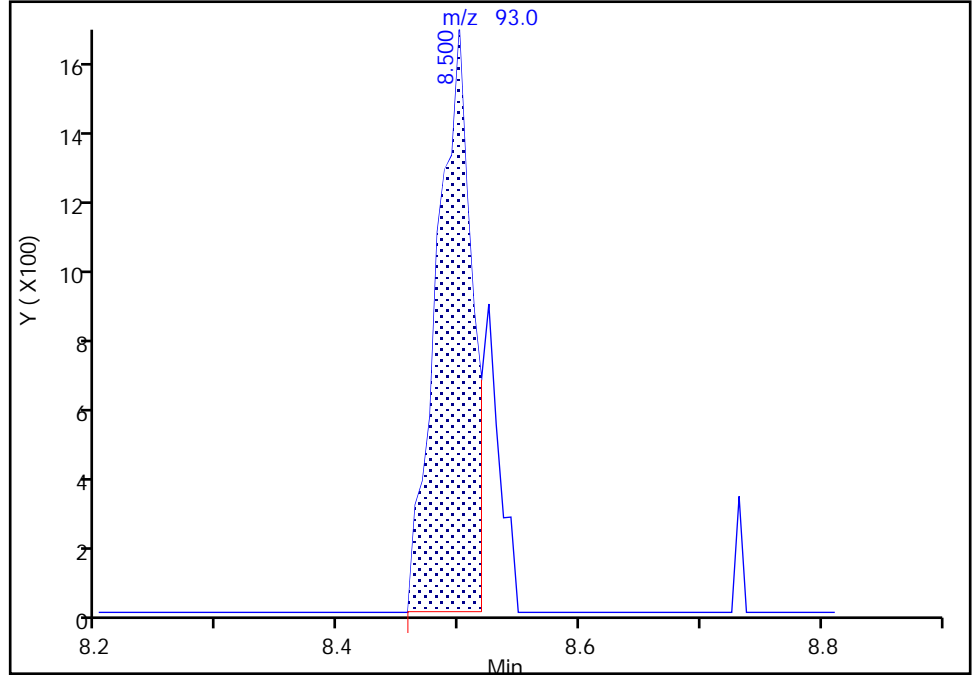
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X12.D
Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

74 Dibromomethane, CAS: 74-95-3

Signal: 1

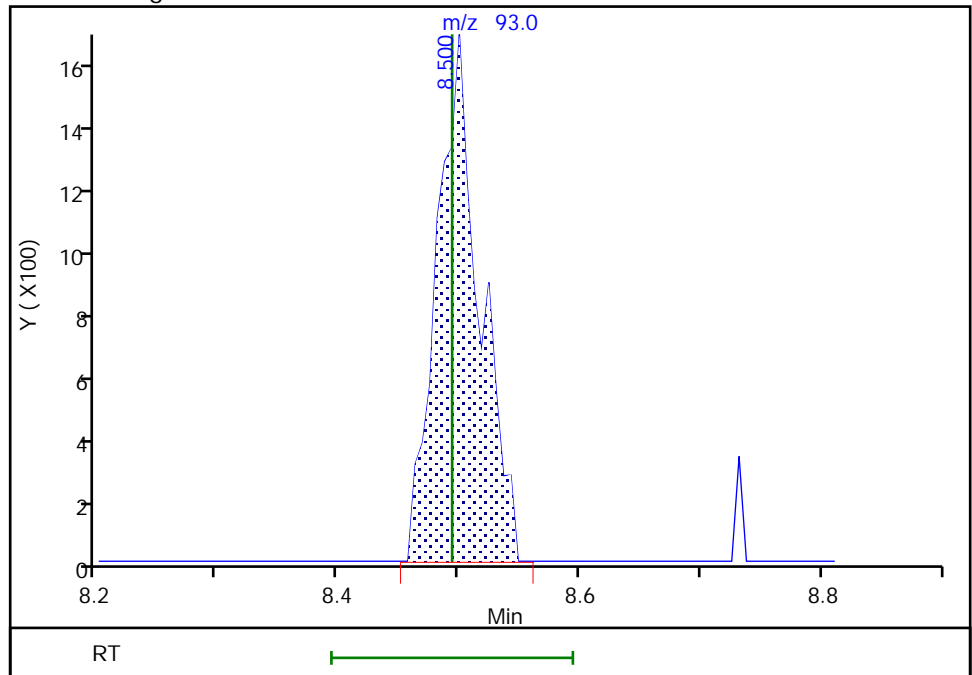
RT: 8.50
Area: 3390
Amount: 0.180585
Amount Units: ug/l

Processing Integration Results



RT: 8.50
Area: 4104
Amount: 0.194933
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:27:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

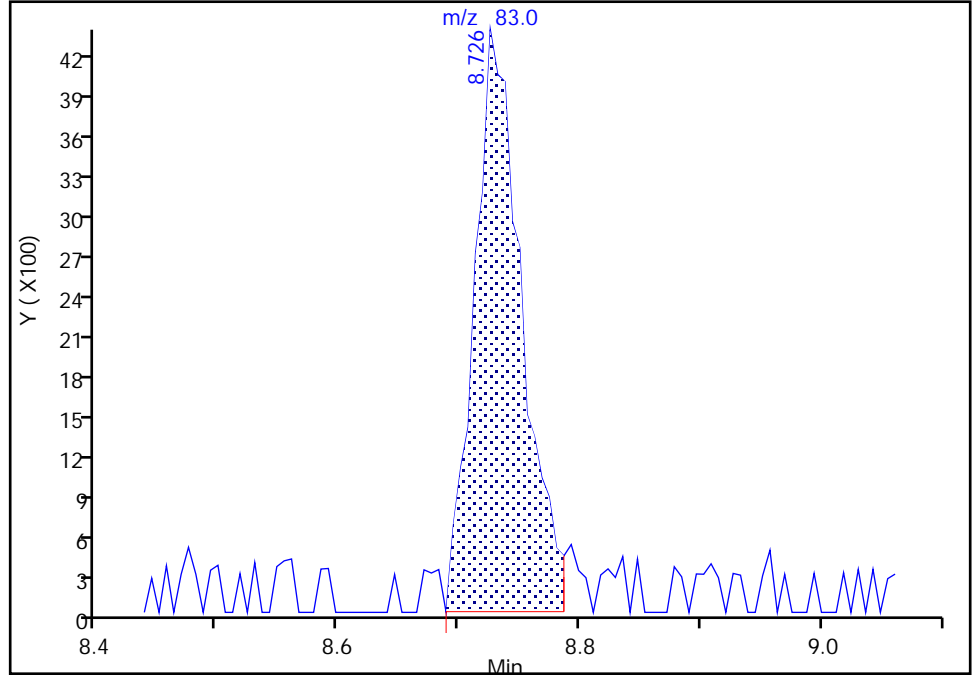
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X12.D
Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

76 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

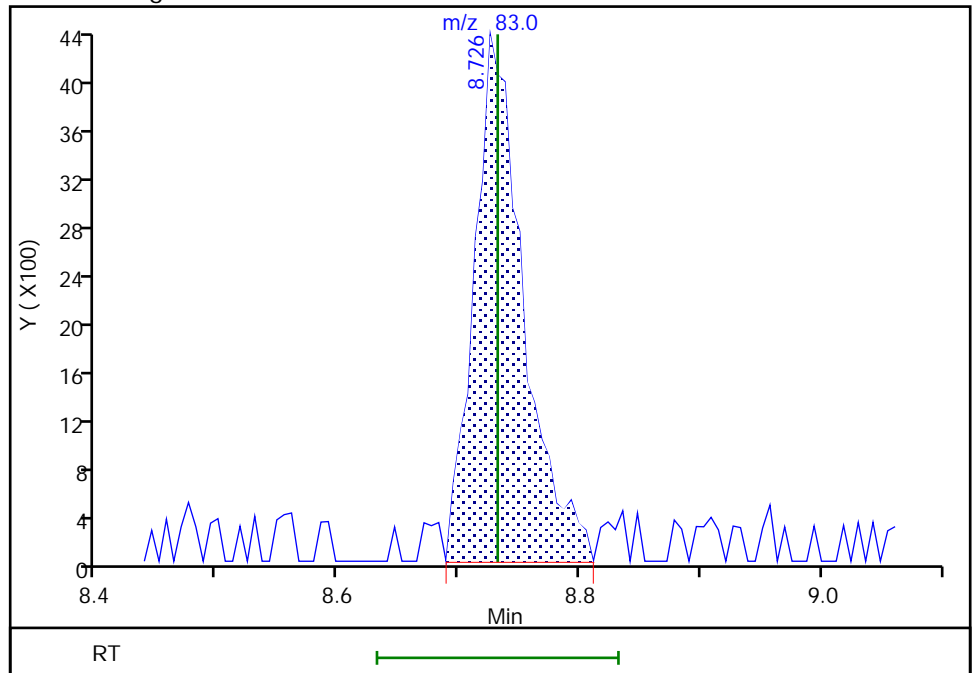
RT: 8.73
Area: 11893
Amount: 0.197428
Amount Units: ug/l

Processing Integration Results



RT: 8.73
Area: 12287
Amount: 0.199087
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:27:25
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

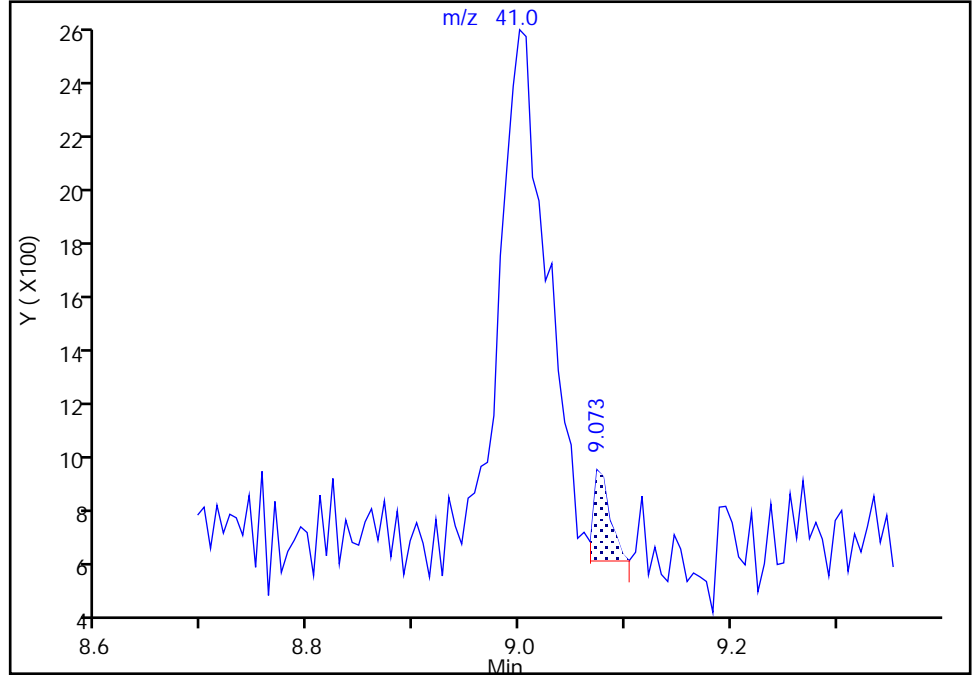
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X12.D
Injection Date: 19-Apr-2023 21:41:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

77 2-Nitropropane, CAS: 79-46-9

Signal: 1

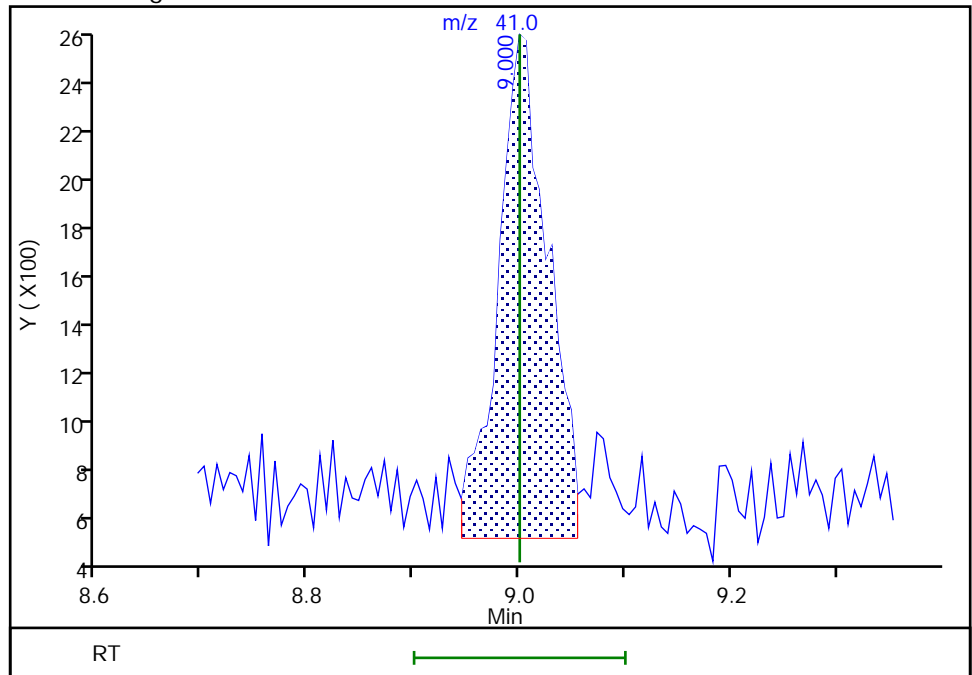
RT: 9.07
Area: 356
Amount: 1.000000
Amount Units: ug/l

Processing Integration Results



RT: 9.00
Area: 6722
Amount: 1.296804
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:27:43
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X13.D
 Lims ID: IC std2 0.5
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 19-Apr-2023 22:01:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0081852-014
 Operator ID: mec29284 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 23-Apr-2023 20:34:42 Calib Date: 19-Apr-2023 23:41:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1665

First Level Reviewer: K4WN

Date: 23-Apr-2023 19:32:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.898	1.898	0.000	97	34429	0.5000	0.5449	M
5 Chloromethane	50	2.099	2.093	0.006	99	41642	0.5000	0.4987	
6 Vinyl chloride	62	2.209	2.203	0.006	97	38729	0.5000	0.4965	
7 Butadiene	39	2.202	2.203	-0.001	90	41522	0.5000	0.5191	M
9 Bromomethane	94	2.526	2.526	0.000	90	24140	0.5000	0.4957	
10 Chloroethane	64	2.605	2.599	0.006	99	22196	0.5000	0.5080	
11 Dichlorofluoromethane	67	2.830	2.824	0.006	97	52913	0.5000	0.5059	
12 Trichlorofluoromethane	101	2.910	2.904	0.006	97	41870	0.5000	0.4743	
14 Ethyl ether	59	3.123	3.117	0.006	89	18138	0.5000	0.5070	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.214	3.202	0.012	93	34438	0.5000	0.5011	
16 Acrolein	56	3.294	3.288	0.006	99	117548	25.0	27.4	
17 1,1-Dichloroethene	96	3.428	3.422	0.006	97	22916	0.5000	0.5269	
19 Acetone	43	3.452	3.446	0.006	40	27075	5.00	6.32	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.470	3.465	0.005	94	19225	0.5000	0.4705	
21 Iodomethane	142	3.617	3.611	0.006	98	39699	0.5000	0.5063	
22 Ethyl bromide	108	3.641	3.635	0.006	97	20751	0.5010	0.5082	
23 Carbon disulfide	76	3.720	3.715	0.005	99	63335	0.5000	0.5127	
24 Methyl acetate	43	3.855	3.843	0.012	20	7716	0.5000	0.5384	M
26 3-Chloro-1-propene	41	3.879	3.873	0.006	93	42088	0.5000	0.5459	
27 Methylene Chloride	84	4.062	4.050	0.012	94	24190	0.5000	0.5253	
* 28 t-Butyl alcohol-d10 (IS)	65	4.086	4.105	-0.019	98	64902	50.0	50.0	
29 2-Methyl-2-propanol	59	4.184	4.190	-0.006	50	14341	10.0	11.5	
31 Acrylonitrile	53	4.434	4.373	0.061	24	9600	1.25	1.49	
32 Methyl tert-butyl ether	73	4.464	4.452	0.012	89	54709	0.5000	0.5242	
33 trans-1,2-Dichloroethene	96	4.464	4.458	0.006	98	25315	0.5000	0.5204	
34 Hexane	57	4.903	4.885	0.018	89	27246	0.5000	0.4599	
36 1,1-Dichloroethane	63	5.123	5.123	0.000	97	46987	0.5000	0.5115	a
37 Isopropyl ether	45	5.190	5.178	0.012	95	83037	0.5000	0.5200	
38 2-Chloro-1,3-butadiene	53	5.238	5.239	-0.001	91	41693	0.5000	0.5222	
40 Tert-butyl ethyl ether	59	5.714	5.720	-0.006	99	75440	0.5000	0.5358	
41 2-Butanone (MEK)	43	5.927	5.909	0.018	99	49525	5.00	5.76	M

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	5.964	5.958	0.006	84	27925	0.5000	0.5270	
43 2,2-Dichloropropane	77	5.988	5.976	0.012	88	40888	0.5000	0.5407	
44 Propionitrile	54	6.013	5.995	0.018	45	26268	10.0	11.9	M
S 46 1,2-Dichloroethene, Total	100				0			1.05	
47 Methacrylonitrile	67	6.232	6.220	0.012	92	54269	5.00	5.46	
48 Chlorobromomethane	128	6.305	6.299	0.006	94	9844	0.5000	0.5001	
49 Tetrahydrofuran	71	6.305	6.299	0.006	82	11675	2.50	5.01	
50 Chloroform	83	6.446	6.446	0.000	94	46535	0.5000	0.5301	
\$ 52 Dibromofluoromethane (Surr)	113	6.665	6.665	0.000	94	454822	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.683	6.677	0.006	65	41187	0.5000	0.5289	
54 Cyclohexane	56	6.787	6.781	0.006	92	39353	0.5000	0.4725	
55 1,1-Dichloropropene	75	6.897	6.897	0.000	94	34708	0.5000	0.5138	
56 Carbon tetrachloride	117	6.891	6.897	-0.006	94	32822	0.5000	0.5010	
57 Isobutyl alcohol	41	7.031	7.031	0.000	65	14404	25.0	28.7	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.122	7.116	0.006	76	85590	10.0	10.1	
59 Benzene	78	7.159	7.159	0.000	96	102641	0.5000	0.5140	
60 1,2-Dichloroethane	62	7.220	7.226	-0.006	96	25813	0.5000	0.5294	
63 Tert-amyl methyl ether	73	7.348	7.354	-0.006	98	62020	0.5000	0.5263	
* 64 Fluorobenzene (IS)	96	7.567	7.561	0.006	98	1908755	10.0	10.0	
65 n-Heptane	43	7.579	7.586	-0.007	36	26291	0.5000	0.4747	
67 n-Butanol	56	7.970	7.927	0.043	89	16774	43.8	46.1	M
68 Trichloroethene	95	8.055	8.049	0.006	97	28081	0.5000	0.5271	
69 Methylcyclohexane	83	8.372	8.366	0.006	93	38844	0.5000	0.4924	
70 1,2-Dichloropropane	63	8.390	8.390	0.000	74	26782	0.5000	0.5174	
71 2-ethoxy-2-methyl butane	87	8.396	8.397	-0.001	92	37788	0.5000	0.5178	
72 Methyl methacrylate	69	8.470	8.470	0.000	91	10431	0.5000	0.5612	
73 1,4-Dioxane	88	8.402	8.482	-0.080	28	1713	25.0	29.6	
74 Dibromomethane	93	8.488	8.494	-0.006	95	10614	0.5000	0.5033	M
76 Dichlorobromomethane	83	8.738	8.732	0.006	98	32077	0.5000	0.5189	M
77 2-Nitropropane	41	9.000	9.000	0.000	98	15686	2.50	2.77	M
79 1-Bromo-2-chloroethane	63	9.140	9.134	0.006	98	24405	0.5000	0.5048	
80 cis-1,3-Dichloropropene	75	9.299	9.293	0.006	96	37131	0.5000	0.5058	
82 4-Methyl-2-pentanone (MIBK)	43	9.469	9.470	-0.001	97	135107	5.00	5.51	
\$ 83 Toluene-d8 (Surr)	98	9.610	9.610	0.000	94	1902986	10.0	10.0	
84 Toluene	92	9.689	9.689	0.000	97	65631	0.5000	0.5245	
85 trans-1,3-Dichloropropene	75	9.957	9.951	0.006	94	27919	0.5000	0.4829	
104 Ethyl methacrylate	69	10.024	10.018	0.006	90	22711	0.5000	0.5137	
S 105 1,3-Dichloropropene, Total	100				0			0.9888	
106 1,1,2-Trichloroethane	97	10.158	10.165	-0.006	90	16844	0.5000	0.5282	
107 Tetrachloroethene	166	10.262	10.256	0.006	92	27671	0.5000	0.4995	
108 1,3-Dichloropropane	76	10.329	10.329	0.000	90	27462	0.5000	0.5157	
109 2-Hexanone	43	10.384	10.378	0.006	98	89565	5.00	5.52	
111 Chlorodibromomethane	129	10.548	10.549	-0.001	90	19439	0.5000	0.5006	
112 Ethylene Dibromide	107	10.658	10.658	0.000	98	14489	0.5000	0.5070	
* 113 Chlorobenzene-d5 (IS)	117	11.097	11.097	0.000	86	1394279	10.0	10.0	
114 1-Chlorohexane	91	11.109	11.103	0.006	96	38936	0.5000	0.5152	
115 Chlorobenzene	112	11.121	11.122	-0.001	94	70920	0.5000	0.5226	
116 1,1,1,2-Tetrachloroethane	131	11.207	11.207	0.000	94	23846	0.5000	0.5100	
117 Ethylbenzene	91	11.213	11.207	0.006	99	126015	0.5000	0.5120	
S 118 Xylenes, Total	106				0			1.54	
119 m-Xylene & p-Xylene	106	11.329	11.329	0.000	100	95152	1.00	1.03	
120 o-Xylene	106	11.658	11.658	0.000	96	45833	0.5000	0.5112	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 Styrene	104	11.676	11.670	0.006	95	75960	0.5000	0.5132	
122 Bromoform	173	11.835	11.835	0.000	97	11260	0.5000	0.4959	
123 Isopropylbenzene	105	11.963	11.963	0.000	96	123286	0.5000	0.5098	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.103	12.103	0.000	89	692437	10.0	10.1	
127 1,1,2,2-Tetrachloroethane	83	12.207	12.207	0.000	92	22035	0.5000	0.5575	
128 Bromobenzene	156	12.225	12.219	0.006	97	27030	0.5000	0.5180	
129 trans-1,4-Dichloro-2-butene	53	12.231	12.231	0.000	92	40590	5.00	5.20	
130 1,2,3-Trichloropropane	110	12.255	12.256	-0.001	73	5014	0.5000	0.5378	
131 N-Propylbenzene	91	12.292	12.292	0.000	99	147502	0.5000	0.5120	
132 2-Chlorotoluene	126	12.371	12.365	0.006	95	28490	0.5000	0.5163	
133 1,3,5-Trimethylbenzene	105	12.432	12.426	0.006	94	105192	0.5000	0.5216	
134 4-Chlorotoluene	126	12.463	12.463	0.000	97	29413	0.5000	0.5212	
135 tert-Butylbenzene	134	12.670	12.670	0.000	93	23699	0.5000	0.5430	
136 Pentachloroethane	167	12.700	12.707	-0.007	84	17687	0.5000	0.4951	
137 1,2,4-Trimethylbenzene	105	12.713	12.713	0.000	97	102286	0.5000	0.5027	
138 sec-Butylbenzene	105	12.835	12.835	-0.001	94	125788	0.5000	0.4984	
139 1,3-Dichlorobenzene	146	12.938	12.932	0.006	98	54008	0.5000	0.5038	
140 4-Isopropyltoluene	119	12.944	12.944	0.000	97	108740	0.5000	0.5047	
* 141 1,4-Dichlorobenzene-d4	152	12.993	12.993	0.000	95	752239	10.0	10.0	
142 1,4-Dichlorobenzene	146	13.005	13.012	-0.007	94	52676	0.5000	0.5181	
143 1,2,3-Trimethylbenzene	120	13.017	13.018	-0.001	99	44925	0.5000	0.5120	
144 Benzyl chloride	126	13.084	13.085	-0.001	99	7493	0.5000	0.5244	
145 p-Diethylbenzene	119	13.145	13.146	-0.001	92	64043	0.5000	0.5049	
146 n-Butylbenzene	92	13.237	13.237	0.000	98	50581	0.5000	0.4920	
147 1,2-Dichlorobenzene	146	13.267	13.268	-0.001	97	48521	0.5000	0.5108	
149 1,2-Dibromo-3-Chloropropane	155	13.810	13.810	0.000	89	2293	0.5000	0.4937	
150 1,3,5-Trichlorobenzene	180	13.938	13.938	0.000	97	37023	0.5000	0.4945	
151 1,2,4-Trichlorobenzene	180	14.359	14.359	0.000	94	28411	0.5000	0.4739	
152 Hexachlorobutadiene	225	14.444	14.444	0.000	95	11059	0.5000	0.4933	
153 Naphthalene	128	14.541	14.542	-0.001	97	48021	0.5000	0.4857	
154 1,2,3-Trichlorobenzene	180	14.682	14.682	0.000	94	22376	0.5000	0.4707	
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_00073	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00145	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00081	Amount Added: 2.00	Units: uL	
MSV_LLcentISS_00007	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X13.D

Injection Date: 19-Apr-2023 22:01:30

Instrument ID: 19094

Operator ID: mec29284

Lims ID: IC std2 0.5

Worklist Smp#: 14

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

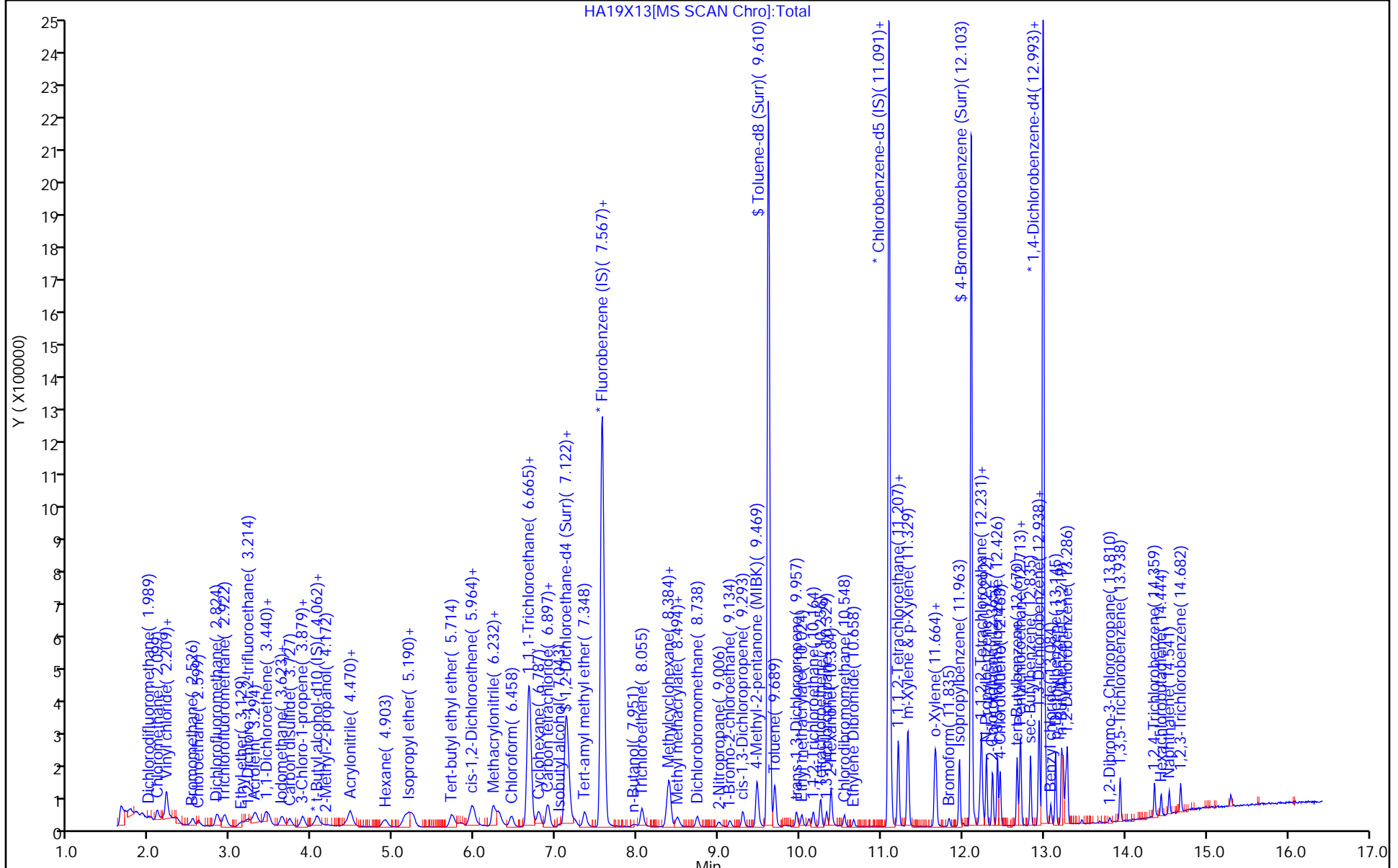
ALS Bottle#: 13

Method: MSV_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

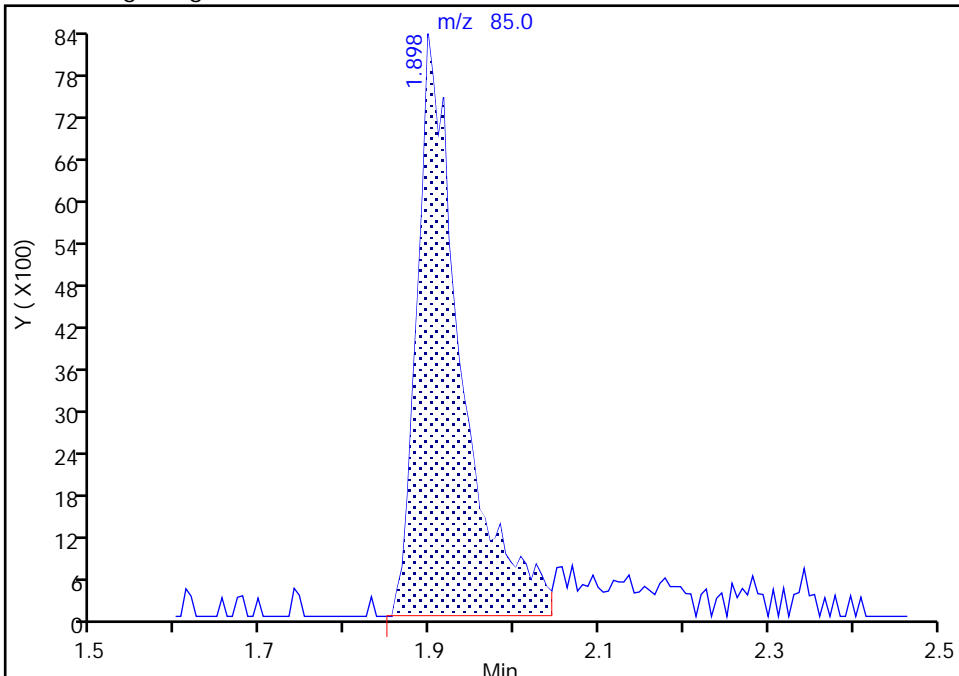
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Injection Date: 19-Apr-2023 22:01:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

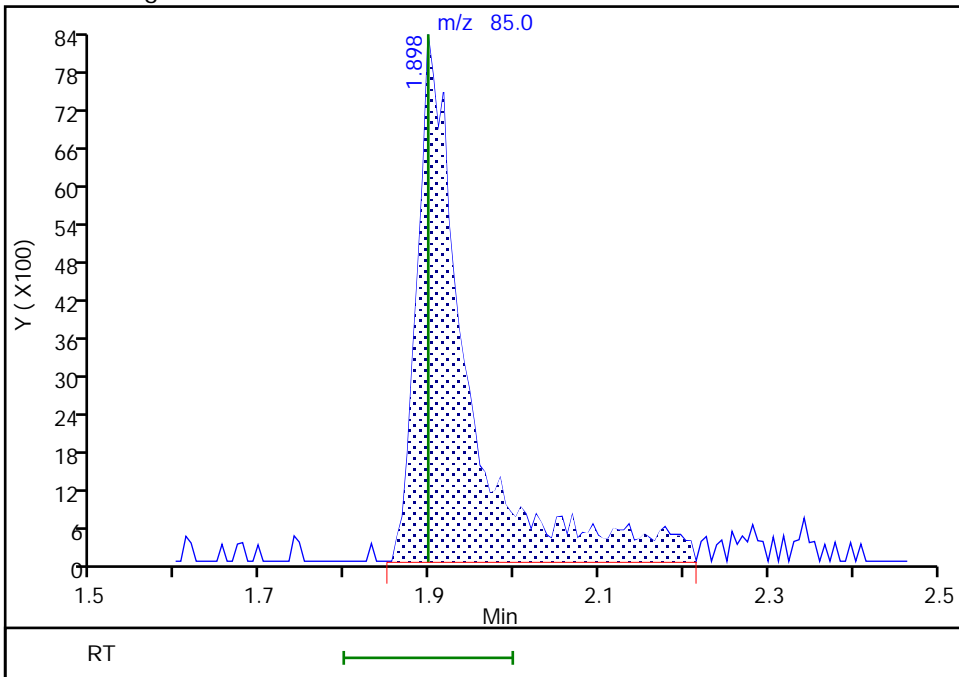
RT: 1.90
Area: 29915
Amount: 0.398524
Amount Units: ug/l

Processing Integration Results



RT: 1.90
Area: 34429
Amount: 0.544946
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:29:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

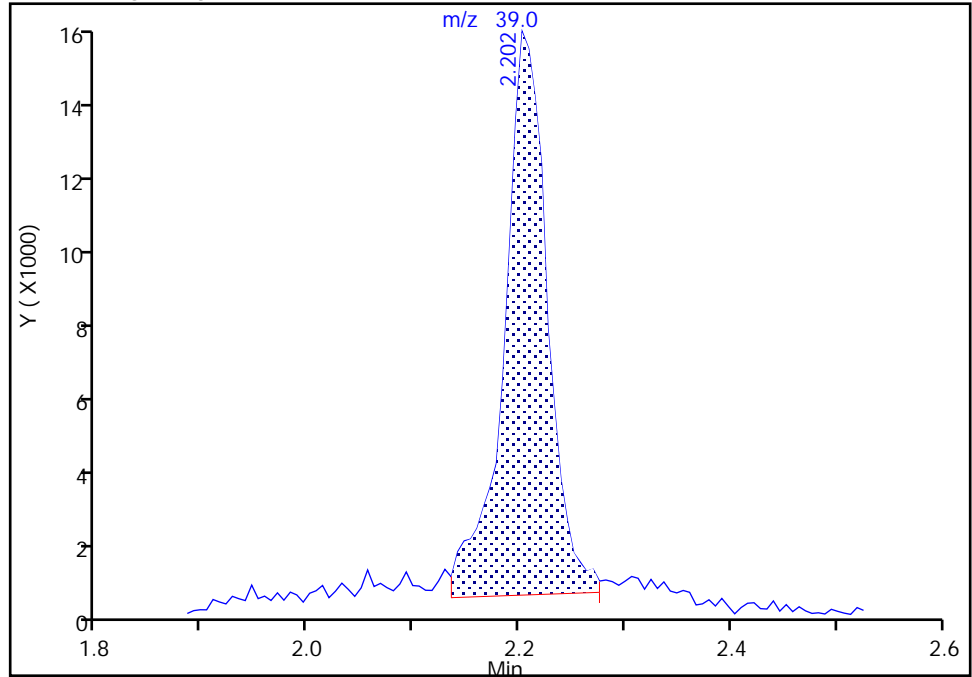
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Injection Date: 19-Apr-2023 22:01:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

7 Butadiene, CAS: 106-99-0

Signal: 1

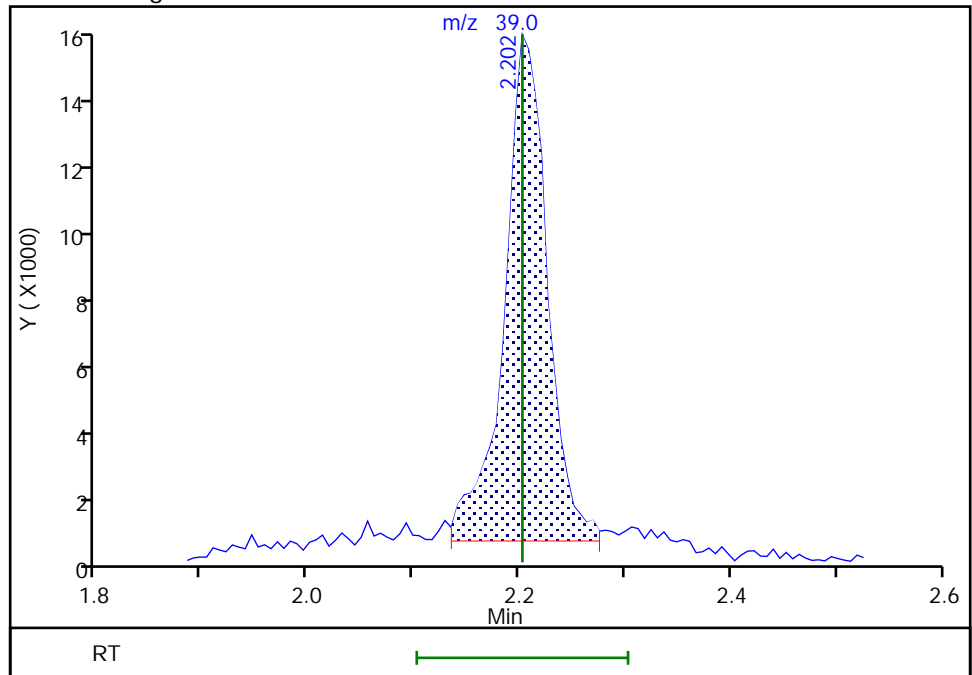
RT: 2.20
Area: 42233
Amount: 0.507854
Amount Units: ug/l

Processing Integration Results



RT: 2.20
Area: 41522
Amount: 0.519077
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:29:44
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

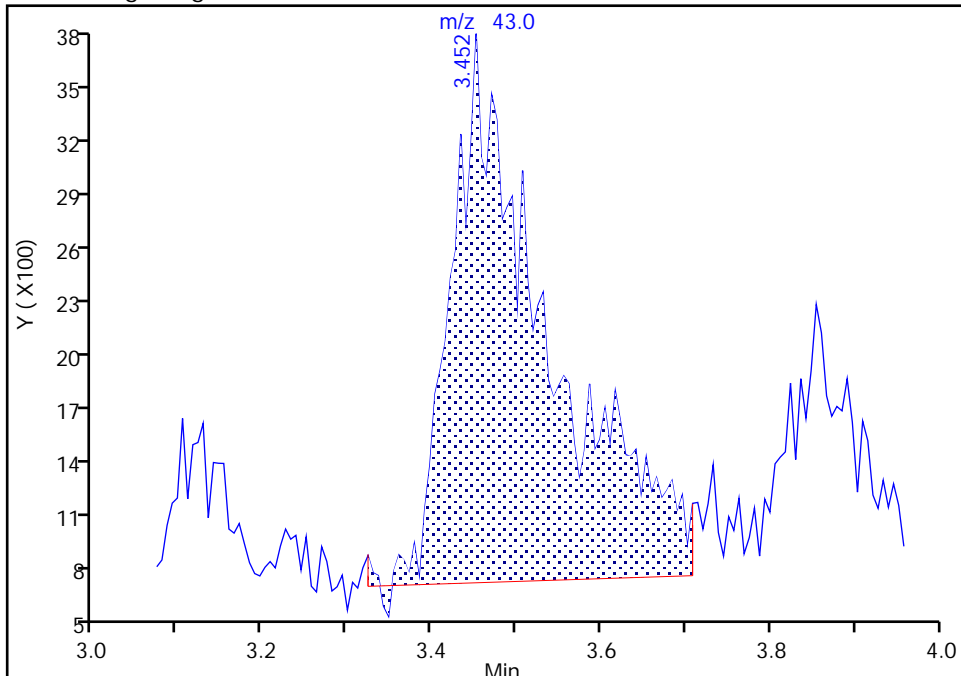
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Injection Date: 19-Apr-2023 22:01:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

19 Acetone, CAS: 67-64-1

Signal: 1

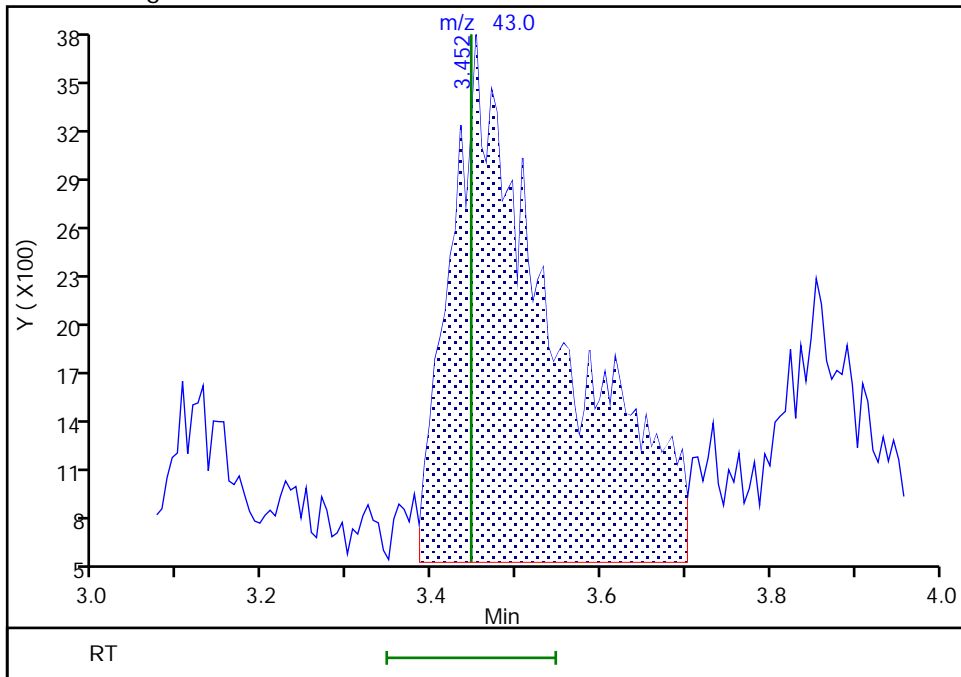
RT: 3.45
Area: 23333
Amount: 3.876706
Amount Units: ug/l

Processing Integration Results



RT: 3.45
Area: 27075
Amount: 6.319916
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:50:12
Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

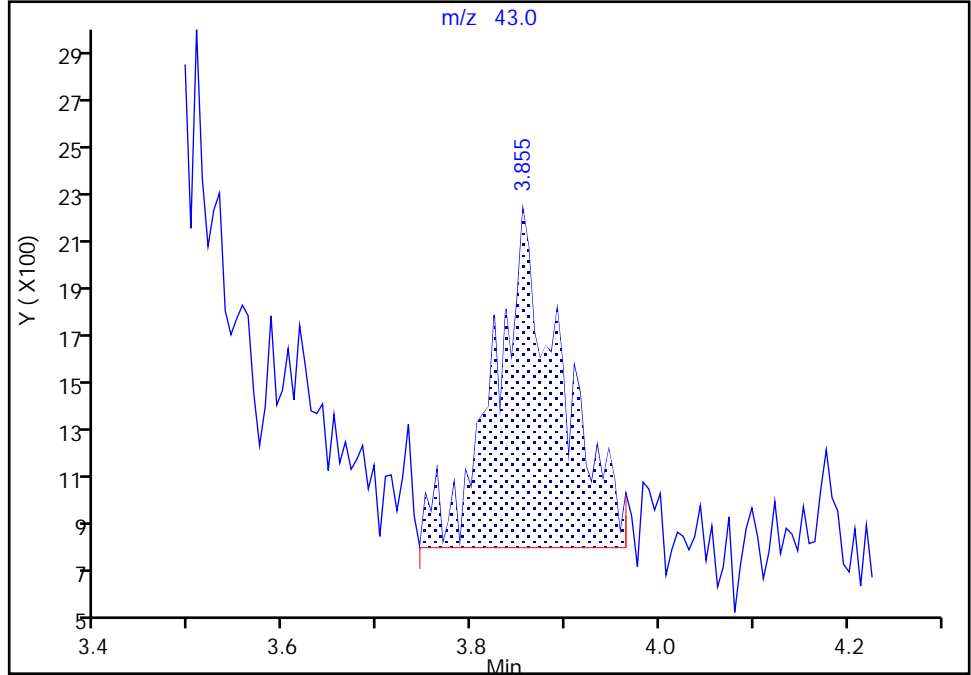
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Injection Date: 19-Apr-2023 22:01:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

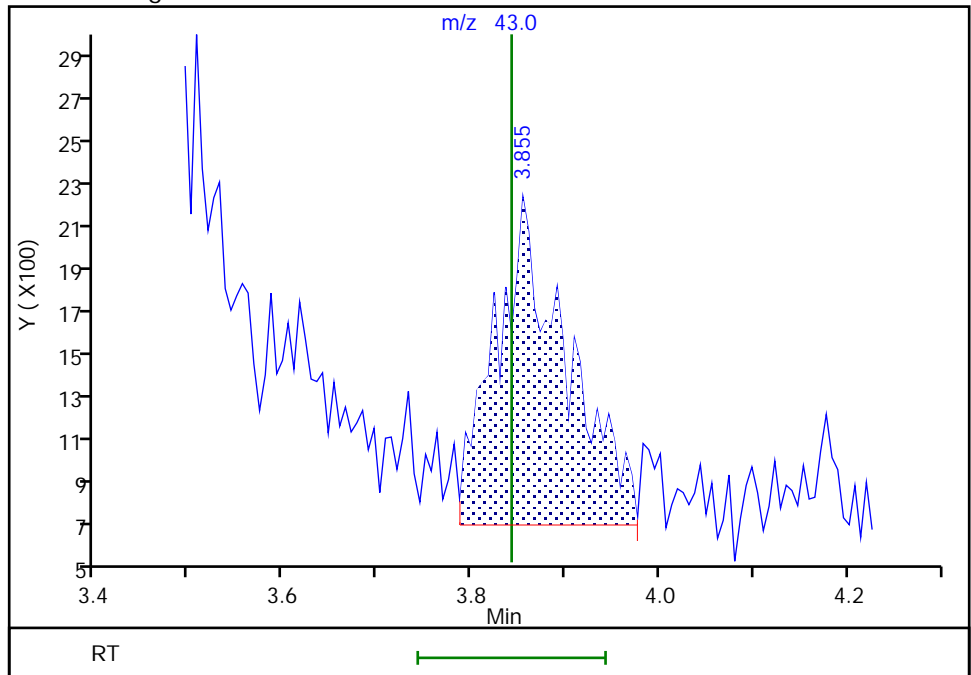
RT: 3.85
Area: 6886
Amount: 0.462743
Amount Units: ug/l

Processing Integration Results



RT: 3.85
Area: 7716
Amount: 0.538397
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:30:11
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

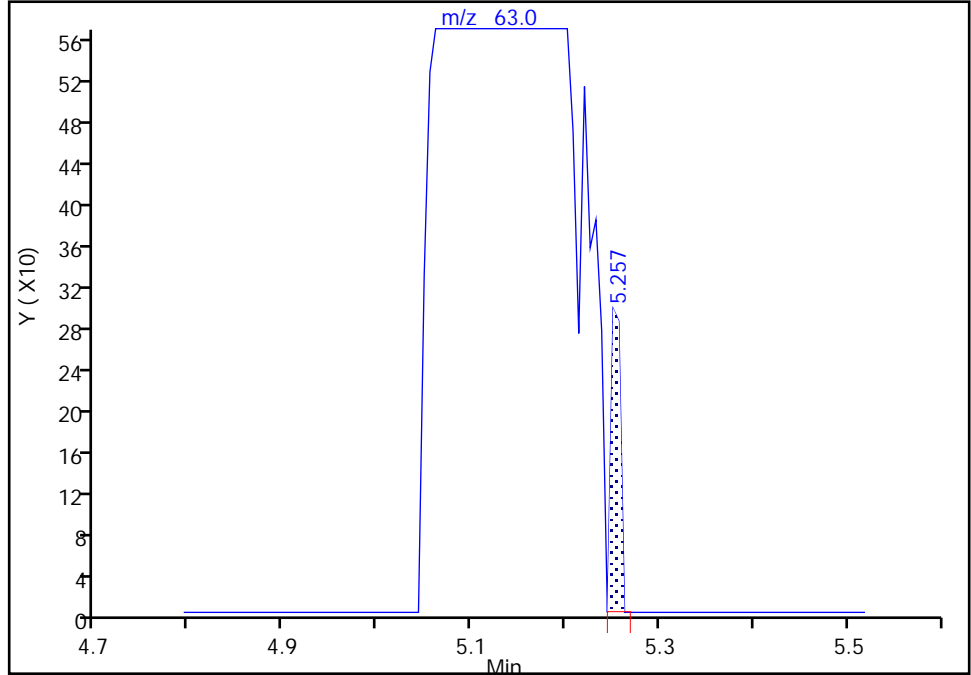
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Injection Date: 19-Apr-2023 22:01:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

36 1,1-Dichloroethane, CAS: 75-34-3

Signal: 1

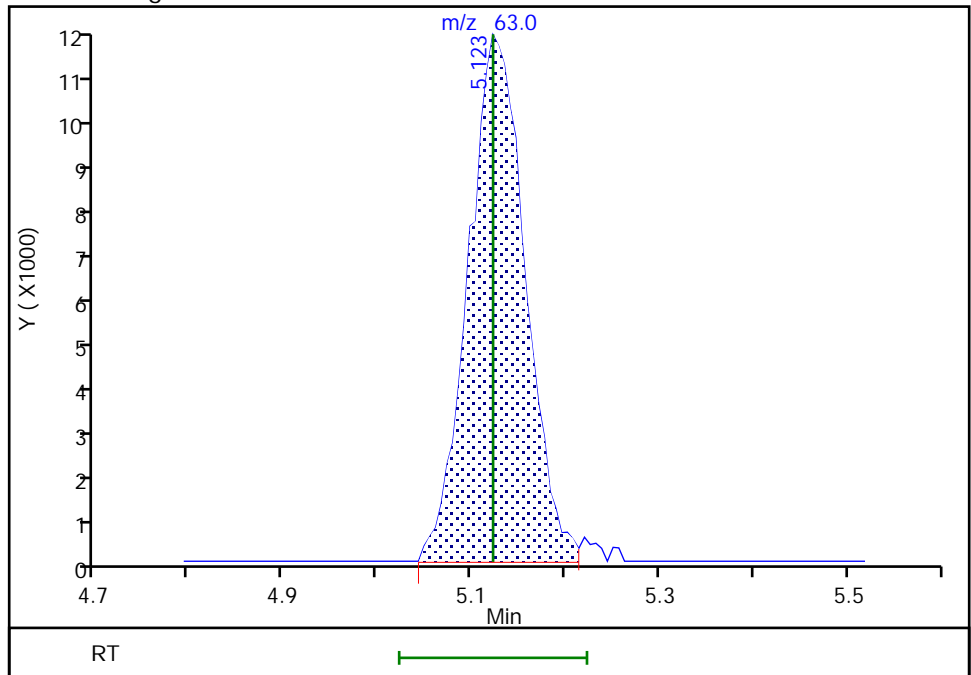
RT: 5.26
Area: 211
Amount: 0.500000
Amount Units: ug/l

Processing Integration Results



RT: 5.12
Area: 46987
Amount: 0.511548
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:32:09
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

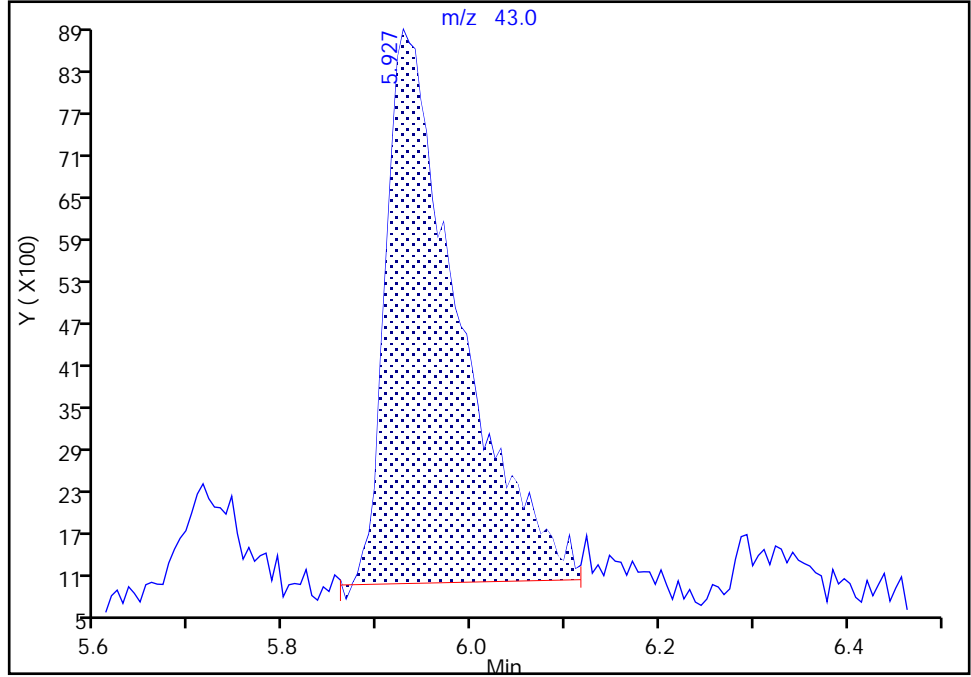
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Injection Date: 19-Apr-2023 22:01:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

41 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

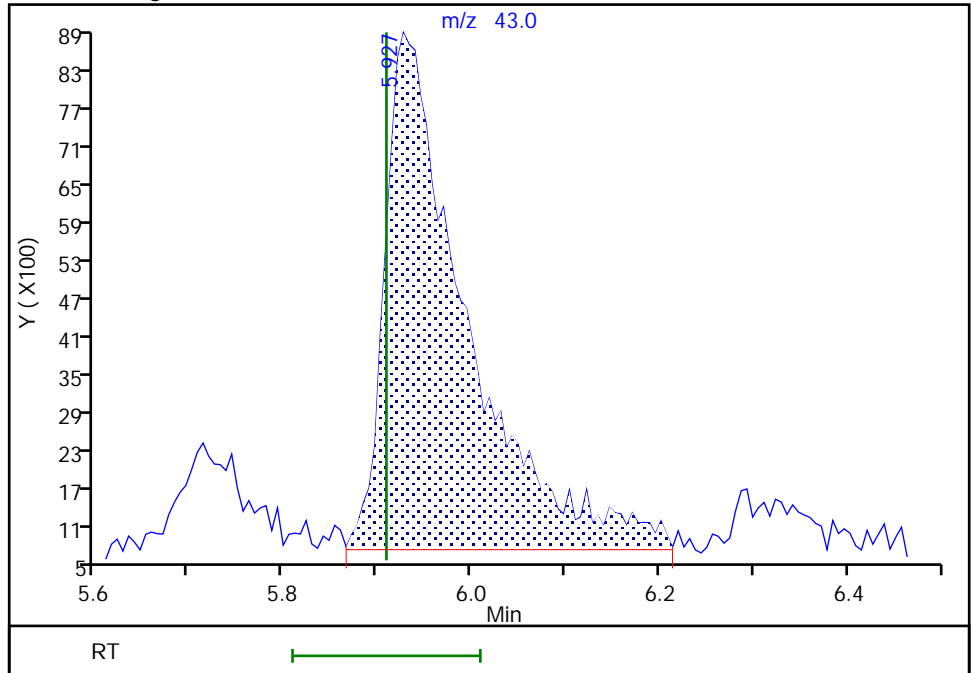
RT: 5.93
Area: 42480
Amount: 5.103520
Amount Units: ug/l

Processing Integration Results



RT: 5.93
Area: 49525
Amount: 5.757221
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:30:28
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

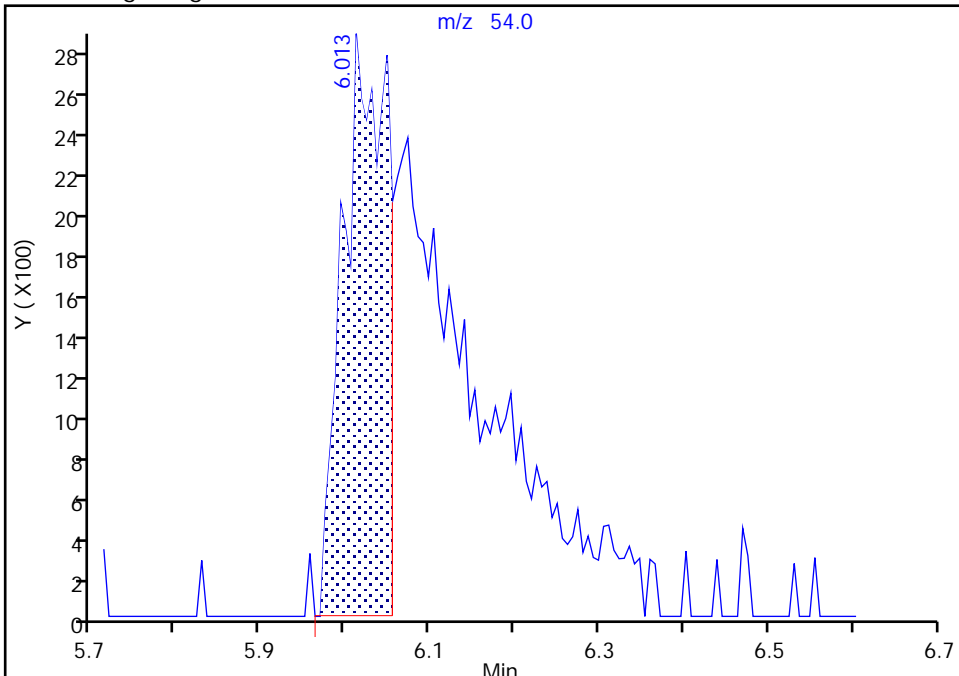
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Injection Date: 19-Apr-2023 22:01:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

44 Propionitrile, CAS: 107-12-0

Signal: 1

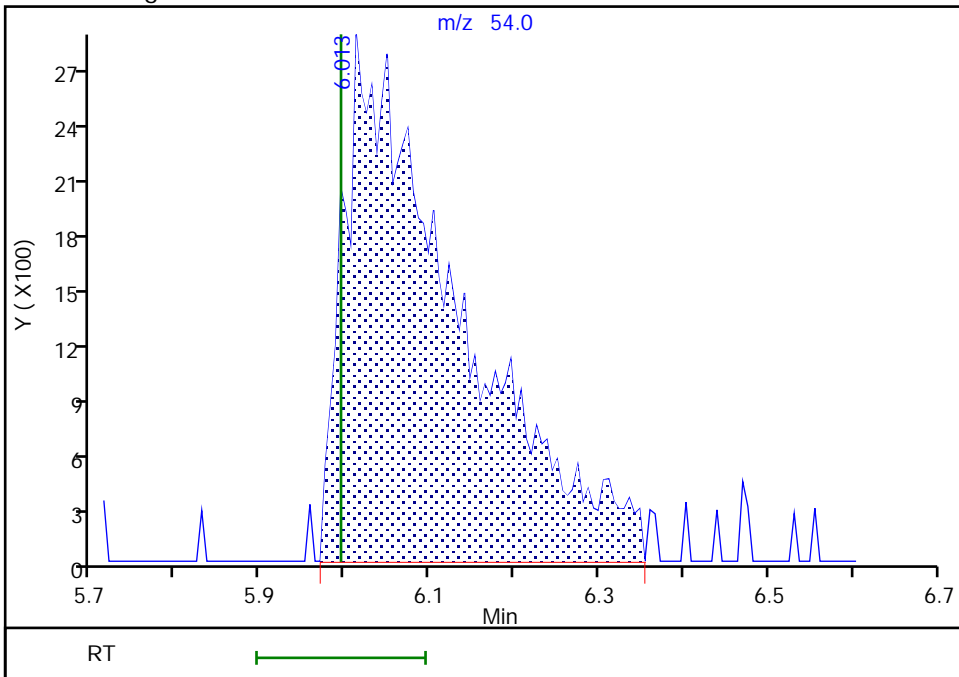
RT: 6.01
Area: 10072
Amount: 5.921997
Amount Units: ug/l

Processing Integration Results



RT: 6.01
Area: 26268
Amount: 11.932761
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:30:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

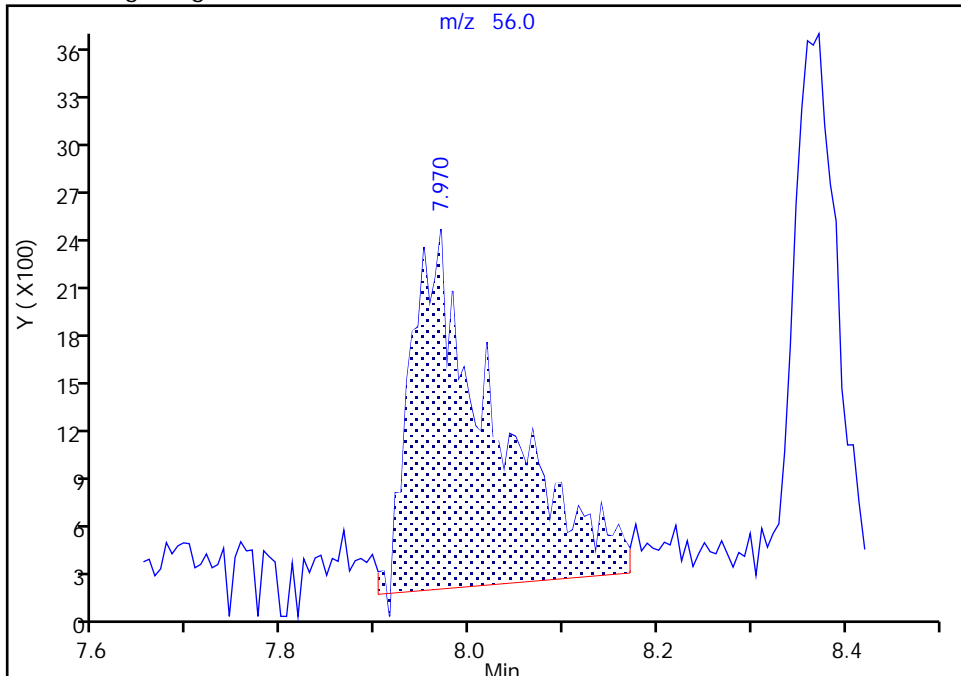
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Injection Date: 19-Apr-2023 22:01:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

67 n-Butanol, CAS: 71-36-3

Signal: 1

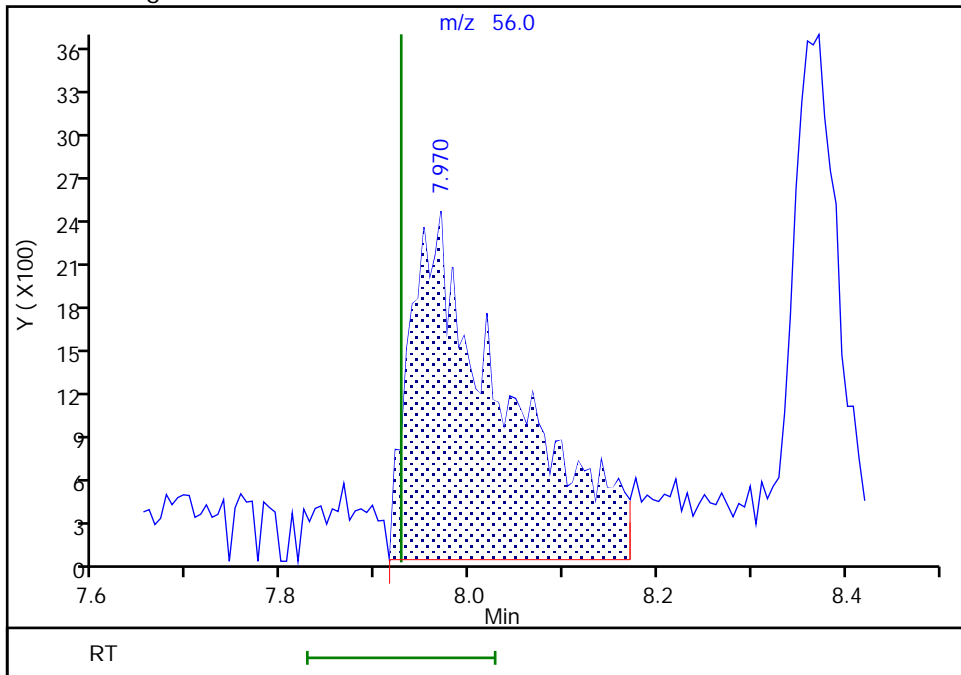
RT: 7.97
Area: 13743
Amount: 29.884412
Amount Units: ug/l

Processing Integration Results



RT: 7.97
Area: 16774
Amount: 46.057918
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:31:06
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

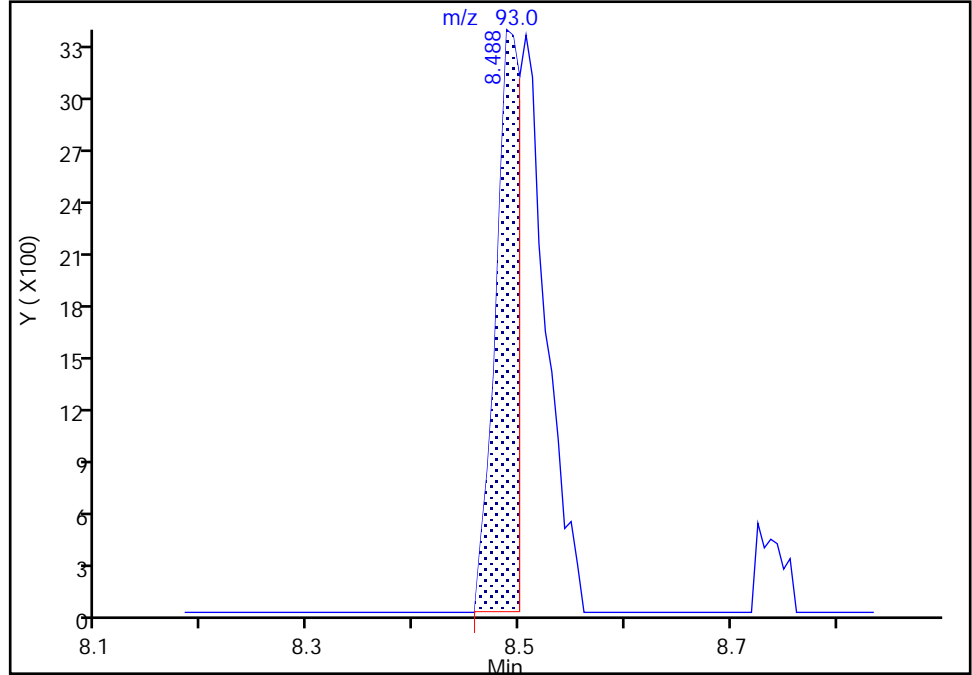
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Injection Date: 19-Apr-2023 22:01:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

74 Dibromomethane, CAS: 74-95-3

Signal: 1

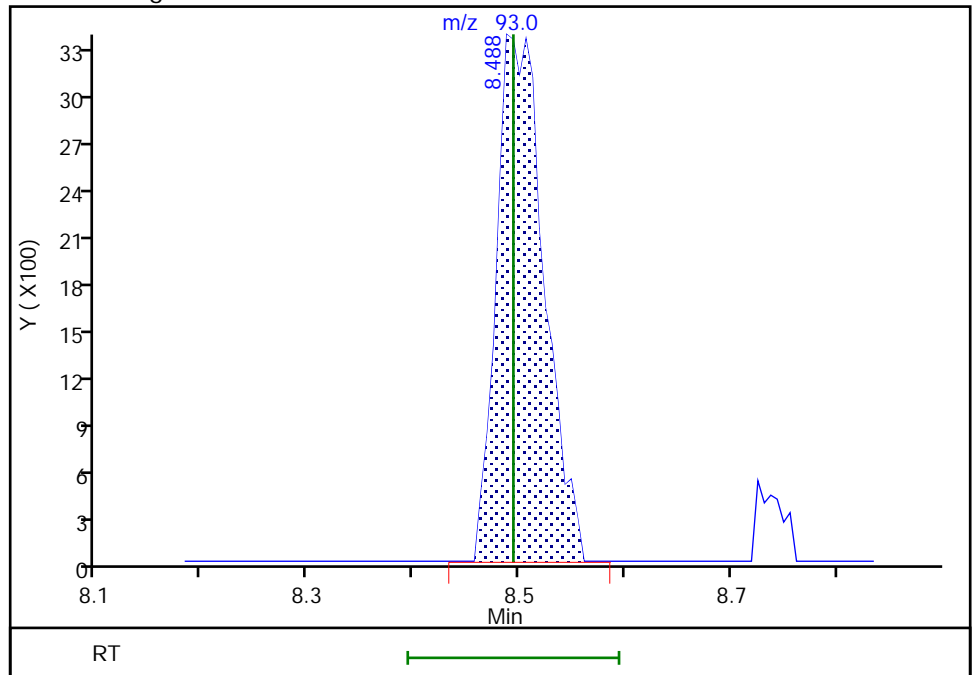
RT: 8.49
Area: 5503
Amount: 0.316340
Amount Units: ug/l

Processing Integration Results



RT: 8.49
Area: 10614
Amount: 0.503329
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:31:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

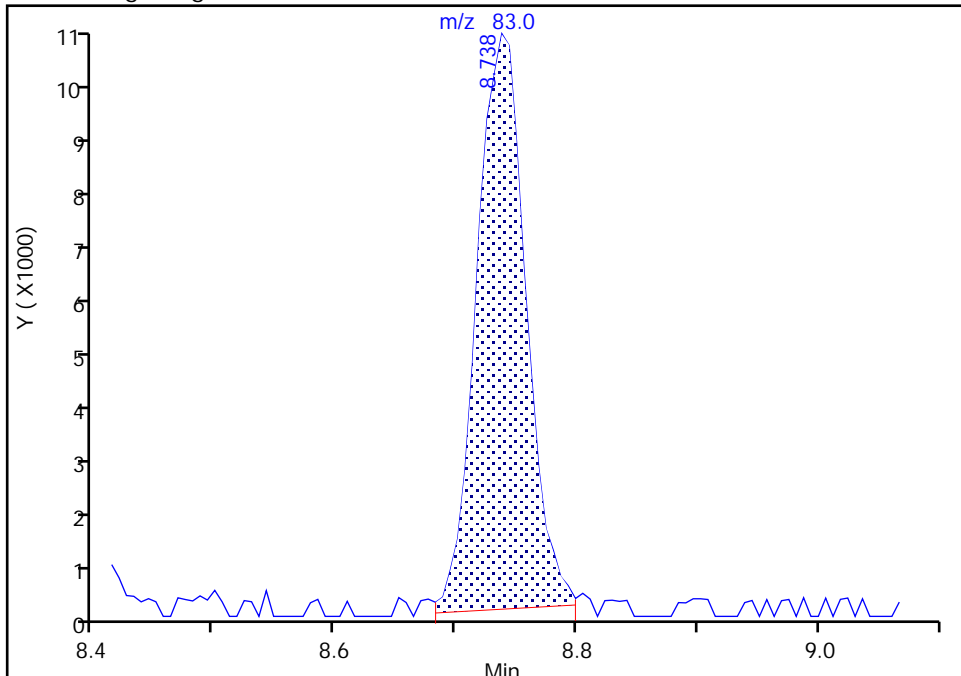
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Injection Date: 19-Apr-2023 22:01:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

76 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

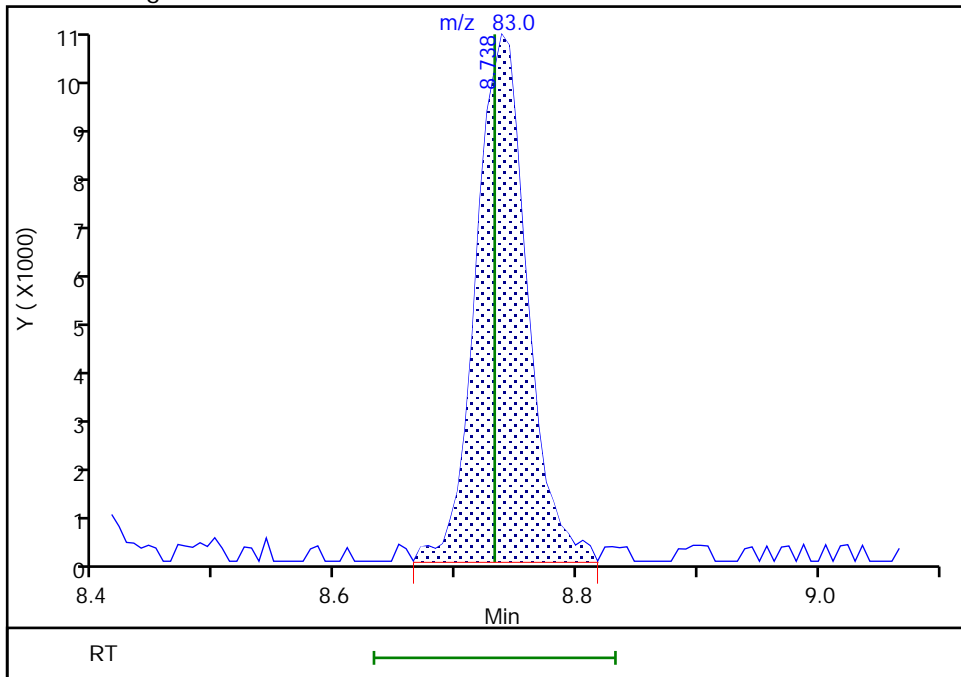
RT: 8.74
Area: 30545
Amount: 0.498724
Amount Units: ug/l

Processing Integration Results



RT: 8.74
Area: 32077
Amount: 0.518902
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:31:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

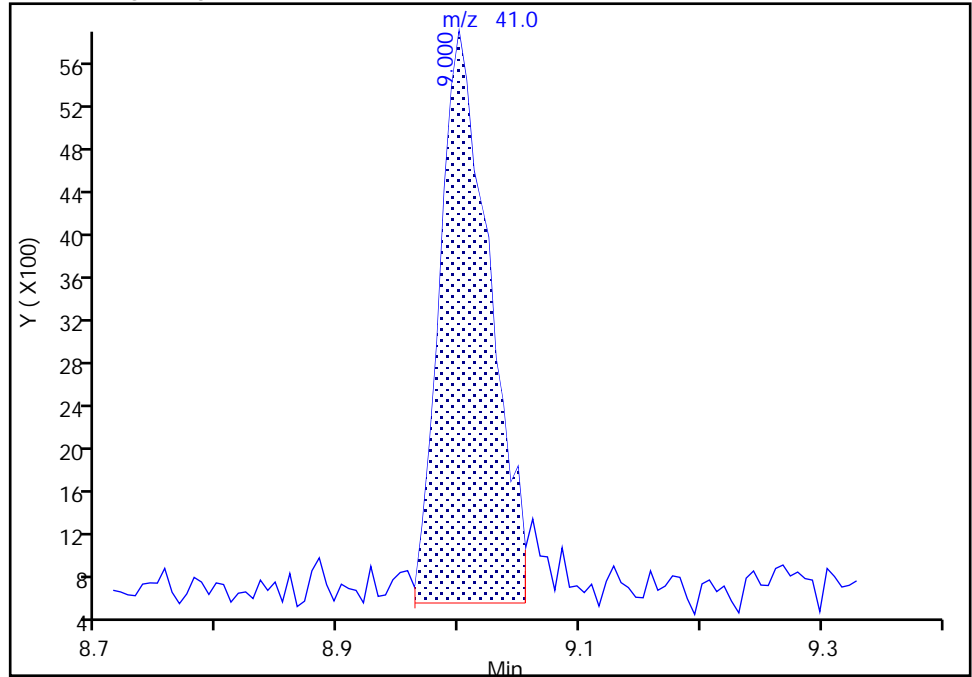
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Injection Date: 19-Apr-2023 22:01:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

77 2-Nitropropane, CAS: 79-46-9

Signal: 1

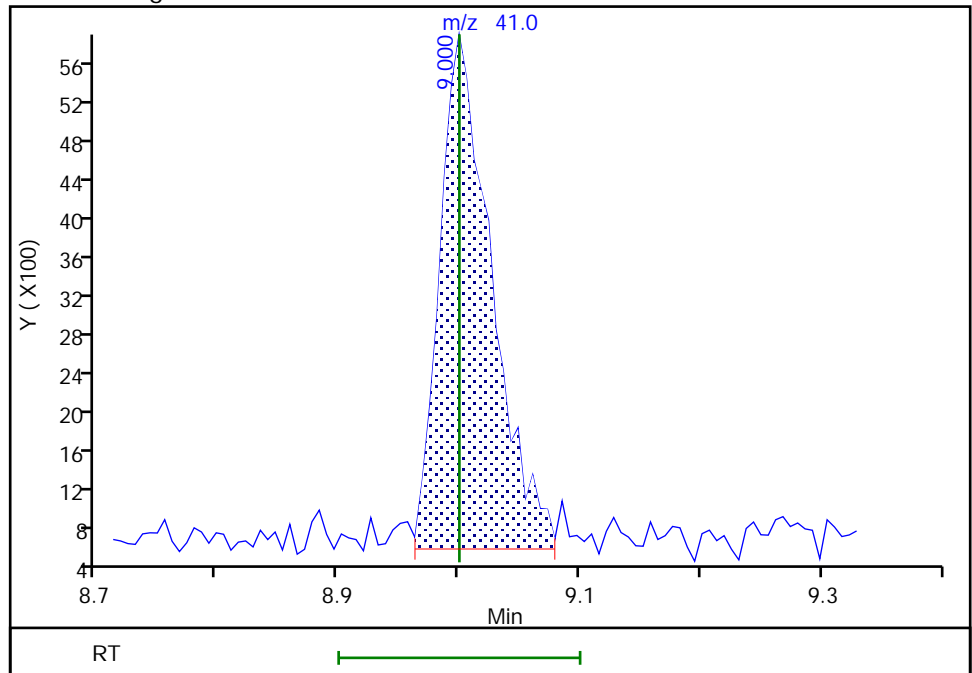
RT: 9.00
Area: 15173
Amount: 2.264479
Amount Units: ug/l

Processing Integration Results



RT: 9.00
Area: 15686
Amount: 2.774492
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:31:40
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X14.D
 Lims ID: IC std3 1
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 19-Apr-2023 22:21:30 ALS Bottle#: 14 Worklist Smp#: 15
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0081852-015
 Operator ID: mec29284 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 23-Apr-2023 20:34:48 Calib Date: 19-Apr-2023 23:41:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1665

First Level Reviewer: K4WN

Date: 23-Apr-2023 19:35:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.898	1.898	0.000	99	70493	1.00	1.11	M
5 Chloromethane	50	2.093	2.093	0.000	99	87280	1.00	1.04	
6 Vinyl chloride	62	2.209	2.203	0.006	97	83205	1.00	1.06	
7 Butadiene	39	2.209	2.203	0.006	91	81722	1.00	1.02	
9 Bromomethane	94	2.519	2.526	-0.007	91	50297	1.00	1.03	
10 Chloroethane	64	2.605	2.599	0.006	99	45043	1.00	1.03	
11 Dichlorofluoromethane	67	2.824	2.824	0.000	97	106606	1.00	1.01	
12 Trichlorofluoromethane	101	2.904	2.904	0.000	98	91529	1.00	1.03	
14 Ethyl ether	59	3.123	3.117	0.006	92	34308	1.00	0.9549	
15 1,2-Dichloro-1,1,2-trifluoroethane	67	3.208	3.202	0.006	95	73676	1.00	1.07	
16 Acrolein	56	3.294	3.288	0.006	99	226319	50.0	45.7	
17 1,1-Dichloroethene	96	3.422	3.422	0.000	98	45667	1.00	1.05	
19 Acetone	43	3.464	3.446	0.018	72	48054	10.0	9.71	M
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.458	3.465	-0.007	94	43330	1.00	1.06	
21 Iodomethane	142	3.617	3.611	0.006	99	82757	1.00	1.05	
22 Ethyl bromide	108	3.635	3.635	0.000	97	39012	1.00	0.9514	
23 Carbon disulfide	76	3.720	3.715	0.005	99	129064	1.00	1.04	
24 Methyl acetate	43	3.873	3.843	0.030	22	16745	1.00	1.01	M
26 3-Chloro-1-propene	41	3.885	3.873	0.012	93	78620	1.00	1.02	
27 Methylene Chloride	84	4.062	4.050	0.012	94	47612	1.00	1.03	
* 28 t-Butyl alcohol-d10 (IS)	65	4.068	4.105	-0.037	98	74978	50.0	50.0	
29 2-Methyl-2-propanol	59	4.190	4.190	0.000	72	33070	20.0	22.9	
31 Acrylonitrile	53	4.379	4.373	0.006	90	19063	2.50	2.56	M
32 Methyl tert-butyl ether	73	4.446	4.452	-0.006	92	110227	1.00	1.05	
33 trans-1,2-Dichloroethene	96	4.464	4.458	0.006	98	51694	1.00	1.06	
34 Hexane	57	4.897	4.885	0.012	93	58462	1.00	0.9827	
36 1,1-Dichloroethane	63	5.129	5.123	0.006	96	97758	1.00	1.06	
37 Isopropyl ether	45	5.177	5.178	-0.001	95	166958	1.00	1.04	
38 2-Chloro-1,3-butadiene	53	5.238	5.239	-0.001	91	82119	1.00	1.02	
40 Tert-butyl ethyl ether	59	5.714	5.720	-0.006	98	148016	1.00	1.05	
41 2-Butanone (MEK)	43	5.921	5.909	0.012	100	97040	10.0	9.76	

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	5.964	5.958	0.006	84	54947	1.00	1.03	
43 2,2-Dichloropropane	77	5.970	5.976	-0.006	88	79534	1.00	1.05	
44 Propionitrile	54	6.013	5.995	0.018	99	45428	20.0	17.9	
S 46 1,2-Dichloroethene, Total	100				0			2.09	
47 Methacrylonitrile	67	6.220	6.220	0.000	95	106761	10.0	9.29	
48 Chlorobromomethane	128	6.293	6.299	-0.006	94	21405	1.00	1.08	
49 Tetrahydrofuran	71	6.318	6.299	0.019	64	14423	5.00	5.35	
50 Chloroform	83	6.446	6.446	0.000	93	92007	1.00	1.04	
\$ 52 Dibromofluoromethane (Surr)	113	6.665	6.665	0.000	94	453126	10.0	9.95	
53 1,1,1-Trichloroethane	97	6.677	6.677	0.000	99	81215	1.00	1.04	
54 Cyclohexane	56	6.781	6.781	0.000	92	87979	1.00	1.05	
55 1,1-Dichloropropene	75	6.897	6.897	0.000	94	70685	1.00	1.04	
56 Carbon tetrachloride	117	6.903	6.897	0.006	93	69798	1.00	1.06	
57 Isobutyl alcohol	41	7.037	7.031	0.006	94	30058	50.0	51.8	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.128	7.116	0.012	93	85801	10.0	10.1	
59 Benzene	78	7.153	7.159	-0.006	95	206883	1.00	1.03	
60 1,2-Dichloroethane	62	7.226	7.226	0.000	98	51276	1.00	1.05	
63 Tert-amyl methyl ether	73	7.348	7.354	-0.006	98	125084	1.00	1.06	
* 64 Fluorobenzene (IS)	96	7.567	7.561	0.006	98	1916682	10.0	10.0	
65 n-Heptane	43	7.586	7.586	0.000	38	53133	1.00	0.9553	
67 n-Butanol	56	7.939	7.927	0.012	87	42491	87.5	101.0	M
68 Trichloroethene	95	8.049	8.049	0.000	97	55451	1.00	1.04	
69 Methylcyclohexane	83	8.366	8.366	0.000	93	79553	1.00	1.00	
70 1,2-Dichloropropane	63	8.384	8.390	-0.006	95	53692	1.00	1.03	
71 2-ethoxy-2-methyl butane	87	8.396	8.397	-0.001	92	77264	1.00	1.05	
72 Methyl methacrylate	69	8.476	8.470	0.006	90	19157	1.00	0.8921	
73 1,4-Dioxane	88	8.482	8.482	0.000	30	3251	50.0	48.6	M
74 Dibromomethane	93	8.500	8.494	0.006	96	22202	1.00	1.05	
76 Dichlorobromomethane	83	8.738	8.732	0.006	99	63260	1.00	1.02	
77 2-Nitropropane	41	9.000	9.000	0.000	97	30794	5.00	4.71	
79 1-Bromo-2-chloroethane	63	9.140	9.134	0.006	98	47103	1.00	0.9702	
80 cis-1,3-Dichloropropene	75	9.293	9.293	0.000	96	77227	1.00	1.05	
82 4-Methyl-2-pentanone (MIBK)	43	9.469	9.470	-0.001	97	276292	10.0	9.76	
\$ 83 Toluene-d8 (Surr)	98	9.610	9.610	0.000	94	1919525	10.0	10.1	
84 Toluene	92	9.689	9.689	0.000	97	128686	1.00	1.03	
85 trans-1,3-Dichloropropene	75	9.957	9.951	0.006	93	61538	1.00	1.06	
104 Ethyl methacrylate	69	10.018	10.018	0.000	89	44377	1.00	1.00	
S 105 1,3-Dichloropropene, Total	100				0			2.11	
106 1,1,2-Trichloroethane	97	10.164	10.165	0.000	91	32787	1.00	1.03	
107 Tetrachloroethene	166	10.256	10.256	0.000	97	58105	1.00	1.05	
108 1,3-Dichloropropane	76	10.329	10.329	0.000	90	56026	1.00	1.05	
109 2-Hexanone	43	10.378	10.378	0.000	97	187482	10.0	10.0	
111 Chlorodibromomethane	129	10.542	10.549	-0.007	90	40489	1.00	1.04	
112 Ethylene Dibromide	107	10.658	10.658	0.000	99	30159	1.00	1.05	
* 113 Chlorobenzene-d5 (IS)	117	11.091	11.097	-0.006	86	1397988	10.0	10.0	
114 1-Chlorohexane	91	11.103	11.103	0.000	97	77621	1.00	1.02	
115 Chlorobenzene	112	11.121	11.122	-0.001	95	141545	1.00	1.04	
116 1,1,1,2-Tetrachloroethane	131	11.207	11.207	0.000	95	49504	1.00	1.06	
117 Ethylbenzene	91	11.207	11.207	0.000	99	259348	1.00	1.05	
S 118 Xylenes, Total	106				0			3.14	
119 m-Xylene & p-Xylene	106	11.329	11.329	0.000	100	194086	2.00	2.10	
120 o-Xylene	106	11.658	11.658	0.000	97	93674	1.00	1.04	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 Styrene	104	11.676	11.670	0.006	95	154598	1.00	1.04	
122 Bromoform	173	11.829	11.835	-0.006	95	24058	1.00	1.06	
123 Isopropylbenzene	105	11.963	11.963	0.000	96	253192	1.00	1.04	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.103	12.103	0.000	89	694184	10.0	10.1	
127 1,1,2,2-Tetrachloroethane	83	12.207	12.207	0.000	92	41618	1.00	1.04	
128 Bromobenzene	156	12.225	12.219	0.006	97	55285	1.00	1.05	
129 trans-1,4-Dichloro-2-butene	53	12.231	12.231	0.000	93	87995	10.0	9.76	
130 1,2,3-Trichloropropane	110	12.255	12.256	-0.001	82	9938	1.00	1.05	
131 N-Propylbenzene	91	12.292	12.292	0.000	99	304419	1.00	1.04	
132 2-Chlorotoluene	126	12.365	12.365	0.000	96	58702	1.00	1.05	
133 1,3,5-Trimethylbenzene	105	12.432	12.426	0.006	94	209016	1.00	1.02	
134 4-Chlorotoluene	126	12.463	12.463	0.000	98	59424	1.00	1.04	
135 tert-Butylbenzene	134	12.670	12.670	0.000	93	45302	1.00	1.02	
136 Pentachloroethane	167	12.707	12.707	-0.001	81	33185	1.00	0.9169	
137 1,2,4-Trimethylbenzene	105	12.713	12.713	0.000	97	214894	1.00	1.04	
138 sec-Butylbenzene	105	12.835	12.835	0.000	94	262058	1.00	1.02	
139 1,3-Dichlorobenzene	146	12.938	12.932	0.006	98	112235	1.00	1.03	
140 4-Isopropyltoluene	119	12.944	12.944	0.000	97	225919	1.00	1.04	
* 141 1,4-Dichlorobenzene-d4	152	12.993	12.993	0.000	95	762073	10.0	10.0	
142 1,4-Dichlorobenzene	146	13.011	13.012	-0.001	94	107153	1.00	1.04	
143 1,2,3-Trimethylbenzene	120	13.017	13.018	-0.001	98	91533	1.00	1.03	
144 Benzyl chloride	126	13.084	13.085	-0.001	98	15412	1.00	1.06	
145 p-Diethylbenzene	119	13.145	13.146	-0.001	92	133571	1.00	1.04	
146 n-Butylbenzene	92	13.237	13.237	0.000	97	107313	1.00	1.03	
147 1,2-Dichlorobenzene	146	13.267	13.268	-0.001	98	100276	1.00	1.04	
149 1,2-Dibromo-3-Chloropropane	155	13.810	13.810	0.000	82	5017	1.00	1.07	
150 1,3,5-Trichlorobenzene	180	13.938	13.938	0.000	97	79399	1.00	1.05	
151 1,2,4-Trichlorobenzene	180	14.359	14.359	0.000	93	64018	1.00	1.05	
152 Hexachlorobutadiene	225	14.444	14.444	0.000	95	23943	1.00	1.05	
153 Naphthalene	128	14.542	14.542	0.000	97	108102	1.00	1.08	
154 1,2,3-Trichlorobenzene	180	14.682	14.682	0.000	94	50904	1.00	1.06	
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_00073	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00145	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00081	Amount Added: 2.00	Units: uL	
MSV_LLcentISS_00007	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X14.D

Injection Date: 19-Apr-2023 22:21:30

Instrument ID: 19094

Operator ID: mec29284

Lims ID: IC std3 1

Worklist Smp#: 15

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

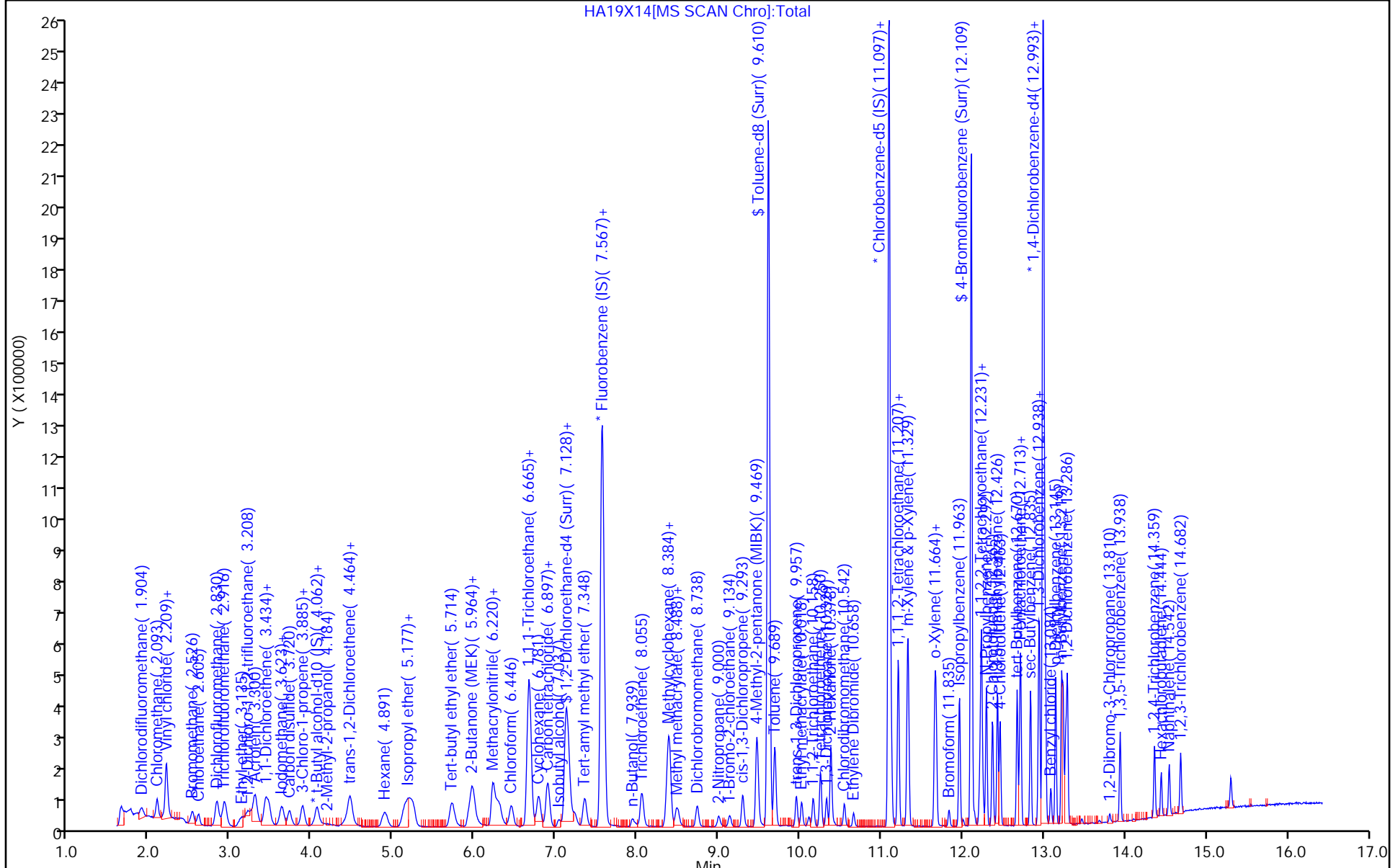
ALS Bottle#: 14

Method: MSV_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

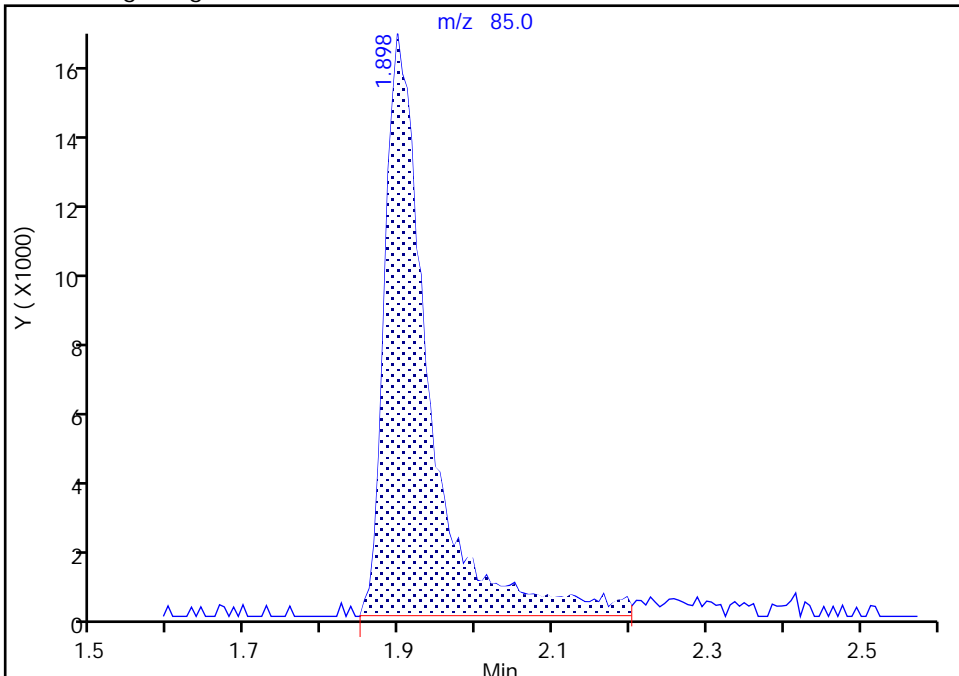
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X14.D
Injection Date: 19-Apr-2023 22:21:30 Instrument ID: 19094
Lims ID: IC std3 1
Client ID:
Operator ID: mec29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

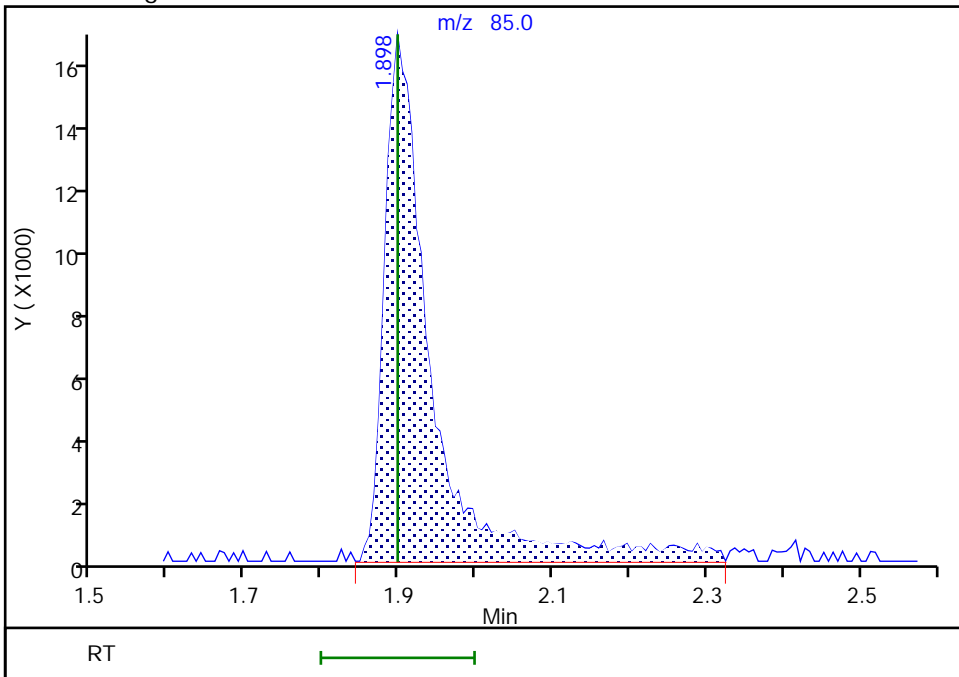
RT: 1.90
Area: 67663
Amount: 0.893662
Amount Units: ug/l

Processing Integration Results



RT: 1.90
Area: 70493
Amount: 1.111156
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:32:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

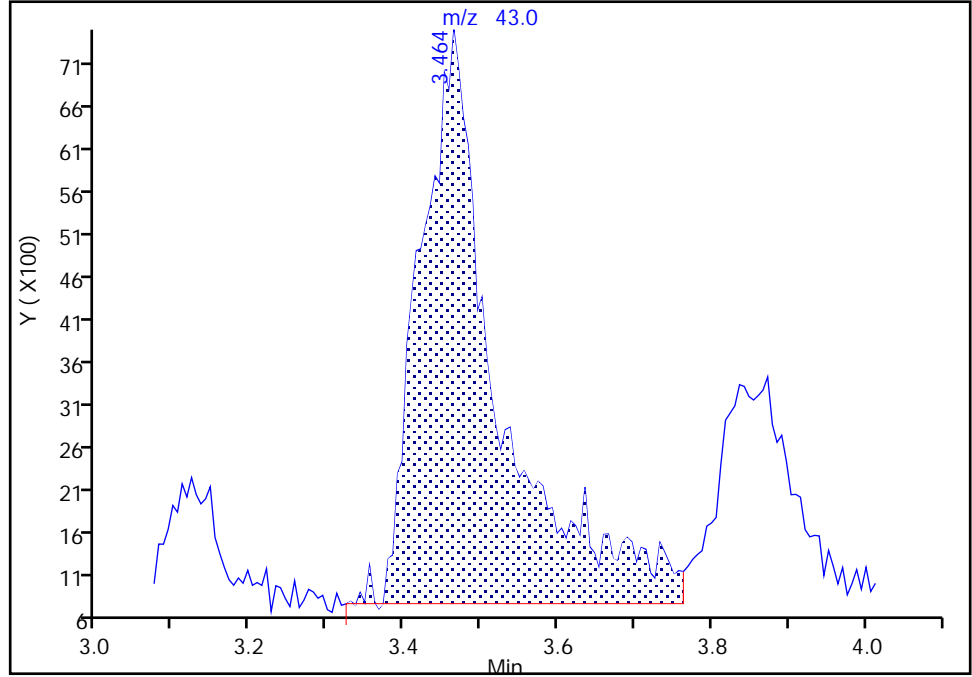
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Injection Date: 19-Apr-2023 22:21:30 Instrument ID: 19094
Lims ID: IC std3 1
Client ID:
Operator ID: mec29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

19 Acetone, CAS: 67-64-1

Signal: 1

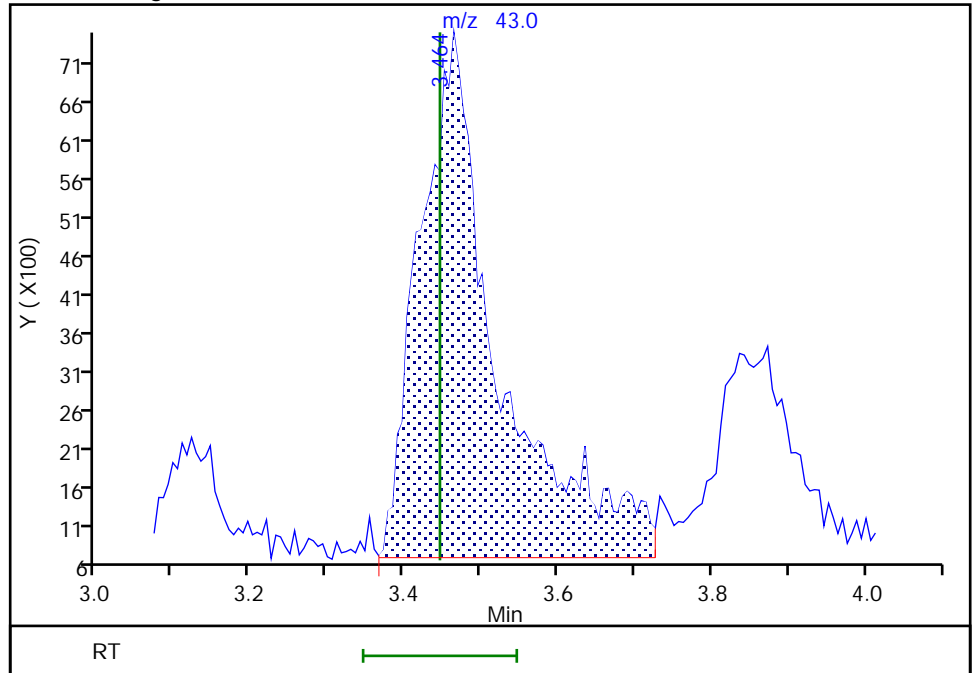
RT: 3.46
Area: 47784
Amount: 7.283417
Amount Units: ug/l

Processing Integration Results



RT: 3.46
Area: 48054
Amount: 9.709495
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:33:04
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

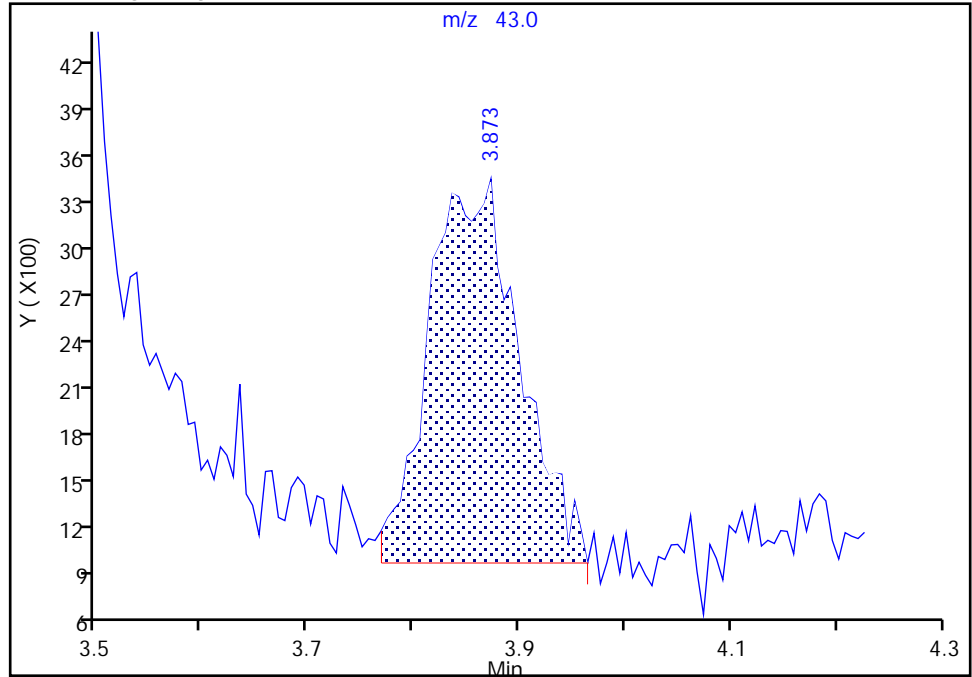
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X14.D
Injection Date: 19-Apr-2023 22:21:30 Instrument ID: 19094
Lims ID: IC std3 1
Client ID:
Operator ID: mec29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

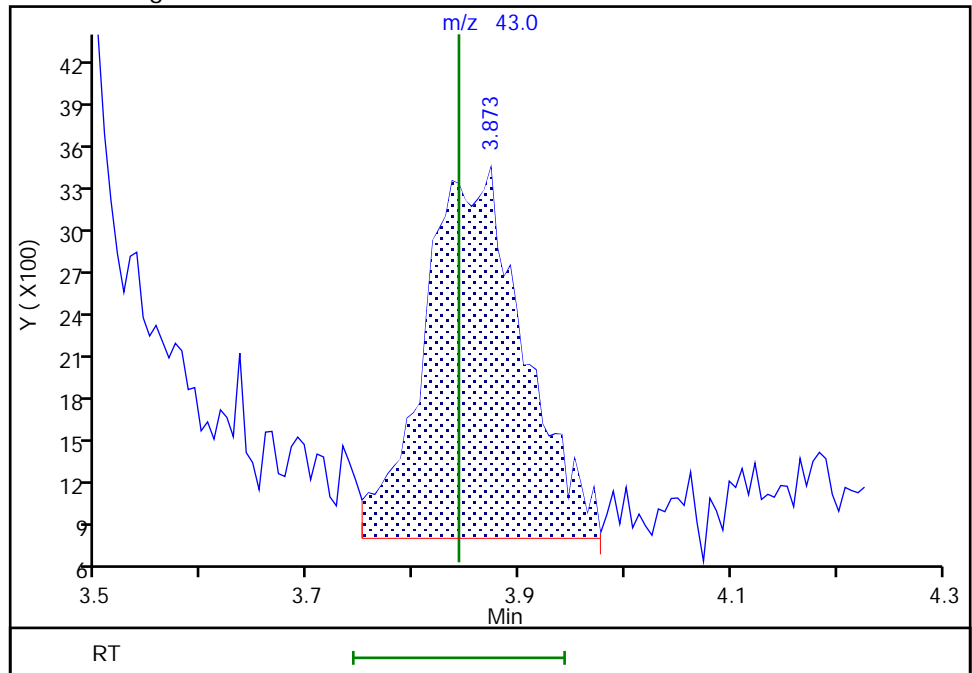
RT: 3.87
Area: 14407
Amount: 0.852370
Amount Units: ug/l

Processing Integration Results



RT: 3.87
Area: 16745
Amount: 1.011393
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:33:45
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

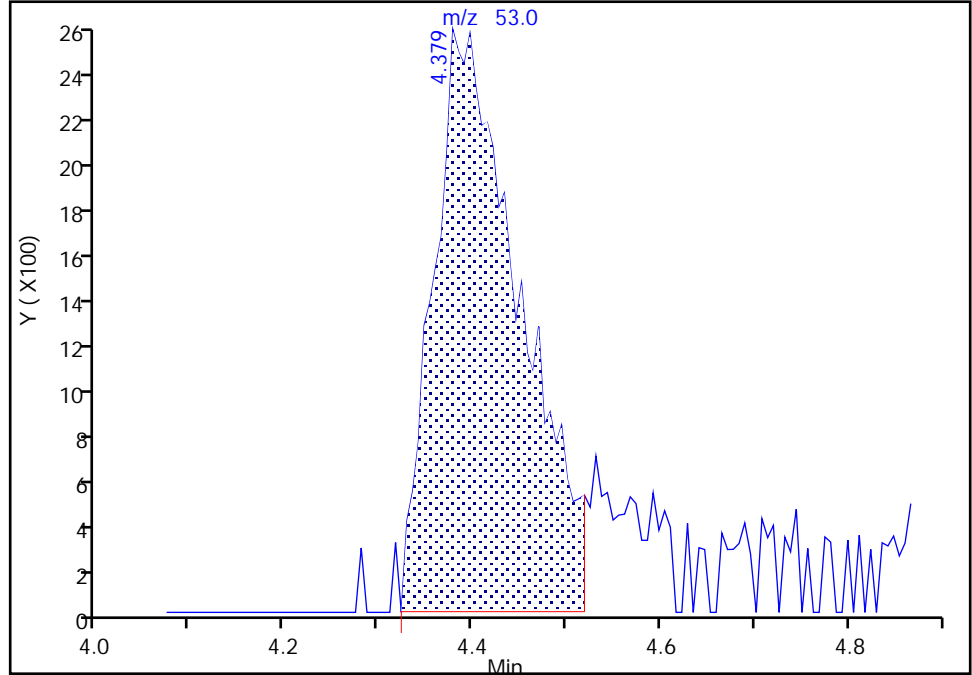
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Injection Date: 19-Apr-2023 22:21:30 Instrument ID: 19094
Lims ID: IC std3 1
Client ID:
Operator ID: mec29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

31 Acrylonitrile, CAS: 107-13-1

Signal: 1

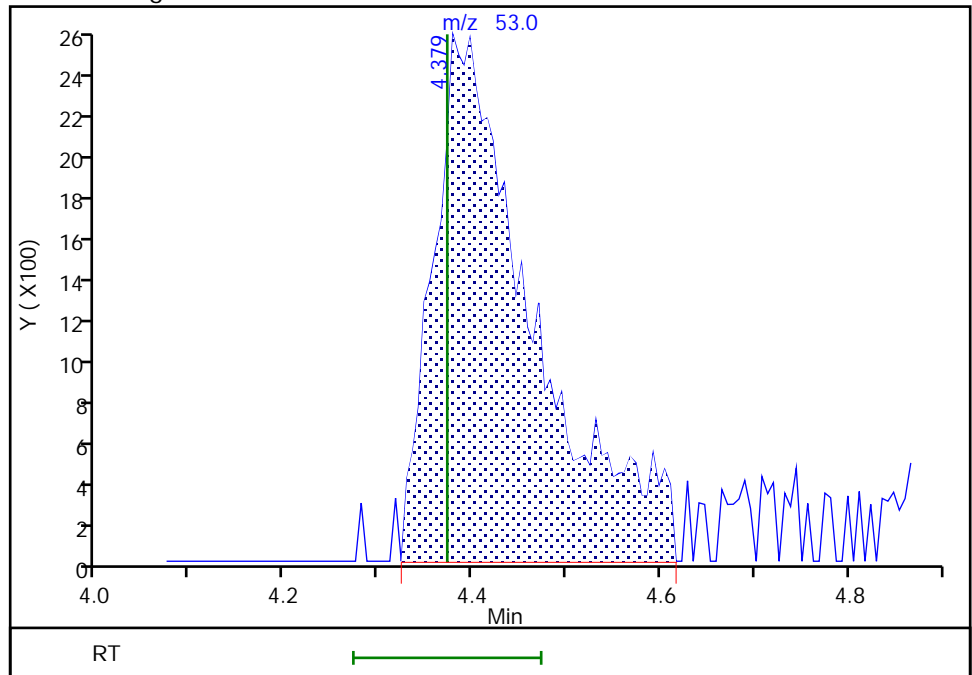
RT: 4.38
Area: 16558
Amount: 2.400945
Amount Units: ug/l

Processing Integration Results



RT: 4.38
Area: 19063
Amount: 2.558195
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:33:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins Lancaster Laboratories Environment Testing, LLC

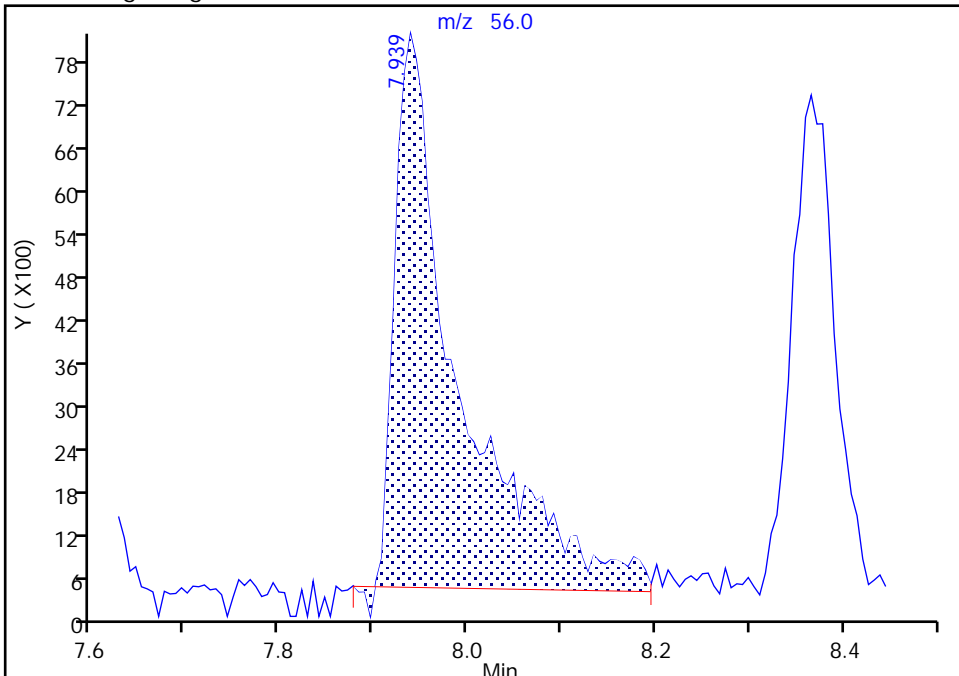
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Injection Date:	19-Apr-2023 22:21:30	Instrument ID:	19094
Lims ID:	IC std3 1		
Client ID:			
Operator ID:	mec29284	ALS Bottle#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D
Column:	Rxi-624Sil MS Capillary Column (0.25mm ID)	Detector:	MS Quad
		Worklist Smp#:	15

67 n-Butanol, CAS: 71-36-3

Signal: 1

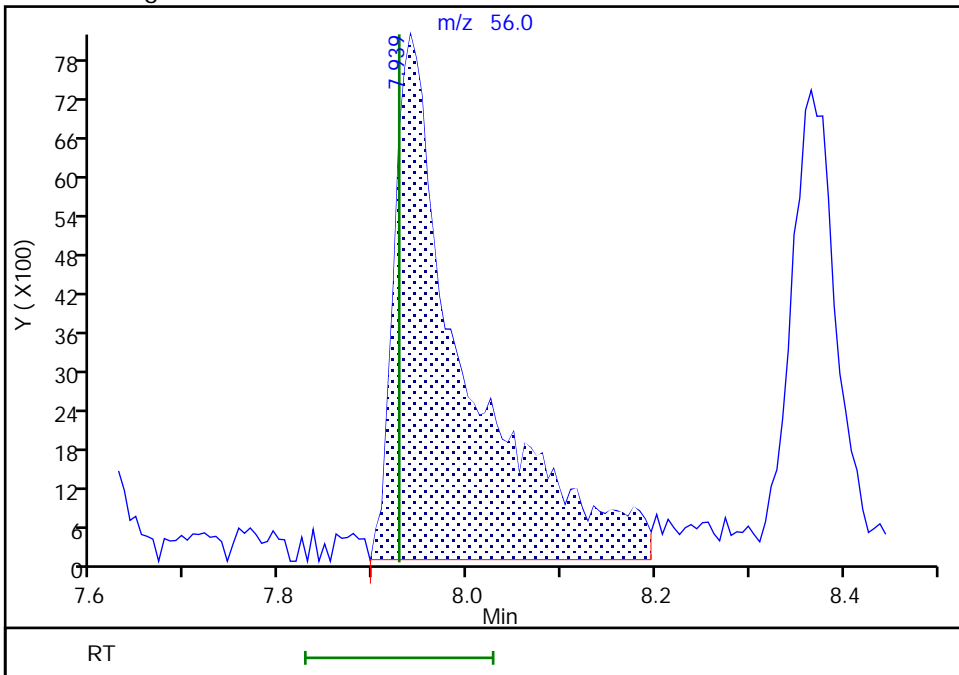
RT: 7.94
 Area: 35991
 Amount: 69.485398
 Amount Units: ug/l

Processing Integration Results



RT: 7.94
 Area: 42491
 Amount: 100.9924
 Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:35:02
 Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

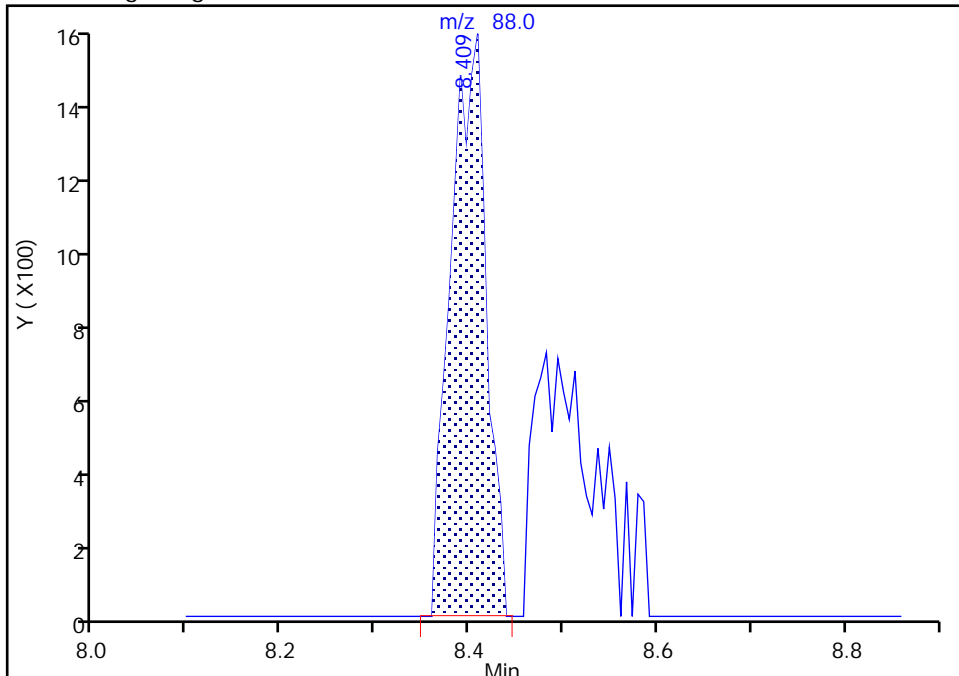
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Injection Date: 19-Apr-2023 22:21:30 Instrument ID: 19094
Lims ID: IC std3 1
Client ID:
Operator ID: mec29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

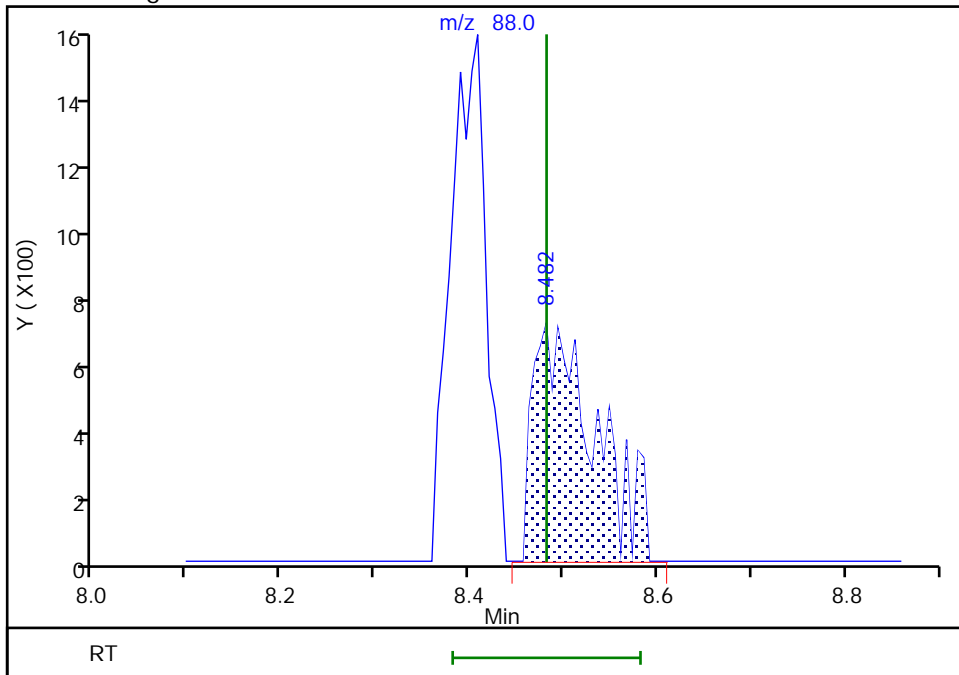
RT: 8.41
Area: 4098
Amount: 51.414922
Amount Units: ug/l

Processing Integration Results



RT: 8.48
Area: 3251
Amount: 48.614608
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:35:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X15.D
 Lims ID: IC std4 2
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 19-Apr-2023 22:41:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0081852-016
 Operator ID: mec29284 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 23-Apr-2023 20:34:55 Calib Date: 19-Apr-2023 23:41:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1665

First Level Reviewer: K4WN

Date: 23-Apr-2023 19:37:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.904	1.904	0.000	99	116124	2.00	1.83	
5 Chloromethane	50	2.093	2.093	0.000	99	170957	2.00	2.03	
6 Vinyl chloride	62	2.209	2.209	0.000	97	154080	2.00	1.96	
7 Butadiene	39	2.209	2.209	0.000	94	161491	2.00	2.00	
9 Bromomethane	94	2.532	2.532	0.000	90	99431	2.00	2.03	
10 Chloroethane	64	2.605	2.605	0.000	100	87400	2.00	1.99	
11 Dichlorofluoromethane	67	2.824	2.824	0.000	97	207264	2.00	1.97	
12 Trichlorofluoromethane	101	2.910	2.910	0.000	96	167042	2.00	1.88	
14 Ethyl ether	59	3.129	3.129	0.000	92	77498	2.00	2.15	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.209	3.209	0.000	97	127261	2.00	1.84	
16 Acrolein	56	3.294	3.294	0.000	99	453625	100.0	99.7	
17 1,1-Dichloroethene	96	3.434	3.434	0.000	97	80339	2.00	1.83	
19 Acetone	43	3.465	3.465	0.000	43	89796	20.0	19.7	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.465	3.465	0.000	92	77826	2.00	1.89	
21 Iodomethane	142	3.617	3.617	0.000	98	153693	2.00	1.95	
22 Ethyl bromide	108	3.647	3.647	0.000	98	89304	2.00	2.17	
23 Carbon disulfide	76	3.721	3.721	0.000	99	233851	2.00	1.88	
24 Methyl acetate	43	3.836	3.836	0.000	22	32258	2.00	2.12	M
26 3-Chloro-1-propene	41	3.879	3.879	0.000	92	147182	2.00	1.90	
27 Methylene Chloride	84	4.068	4.068	0.000	93	89325	2.00	1.93	
* 28 t-Butyl alcohol-d10 (IS)	65	4.062	4.062	0.000	99	68924	50.0	50.0	
29 2-Methyl-2-propanol	59	4.202	4.202	0.000	84	53929	40.0	40.6	
31 Acrylonitrile	53	4.403	4.403	0.000	98	35563	5.00	5.19	
32 Methyl tert-butyl ether	73	4.458	4.458	0.000	92	207645	2.00	1.98	
33 trans-1,2-Dichloroethene	96	4.464	4.464	0.000	98	91248	2.00	1.86	
34 Hexane	57	4.891	4.891	0.000	93	105690	2.00	1.77	
36 1,1-Dichloroethane	63	5.129	5.129	0.000	96	177913	2.00	1.92	
37 Isopropyl ether	45	5.190	5.190	0.000	96	312325	2.00	1.94	
38 2-Chloro-1,3-butadiene	53	5.239	5.239	0.000	91	149672	2.00	1.86	
40 Tert-butyl ethyl ether	59	5.720	5.720	0.000	98	275834	2.00	1.95	
41 2-Butanone (MEK)	43	5.915	5.915	0.000	100	179118	20.0	19.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 cis-1,2-Dichloroethene	96	5.958	5.958	0.000	83	101890	2.00	1.91	
43 2,2-Dichloropropane	77	5.982	5.982	0.000	88	140523	2.00	1.85	
44 Propionitrile	54	6.013	6.013	0.000	98	85786	40.0	36.7	
S 46 1,2-Dichloroethene, Total	100				0			3.77	
47 Methacrylonitrile	67	6.226	6.226	0.000	93	210355	20.0	19.9	
48 Chlorobromomethane	128	6.293	6.293	0.000	96	39209	2.00	1.98	
49 Tetrahydrofuran	71	6.306	6.306	0.000	65	24762	10.0	10.0	
50 Chloroform	83	6.452	6.452	0.000	94	169008	2.00	1.91	
\$ 52 Dibromofluoromethane (Surr)	113	6.665	6.665	0.000	93	457231	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.677	6.677	0.000	98	145917	2.00	1.86	
54 Cyclohexane	56	6.787	6.787	0.000	92	148700	2.00	1.77	
55 1,1-Dichloropropene	75	6.897	6.897	0.000	95	127188	2.00	1.87	
56 Carbon tetrachloride	117	6.903	6.903	0.000	93	124713	2.00	1.89	
57 Isobutyl alcohol	41	7.037	7.037	0.000	93	50843	100.0	95.3	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.129	7.129	0.000	79	84188	10.0	9.90	
59 Benzene	78	7.159	7.159	0.000	97	384679	2.00	1.91	
60 1,2-Dichloroethane	62	7.226	7.226	0.000	97	92762	2.00	1.89	
63 Tert-amyl methyl ether	73	7.354	7.354	0.000	98	231229	2.00	1.95	
* 64 Fluorobenzene (IS)	96	7.567	7.567	0.000	98	1921970	10.0	10.0	
65 n-Heptane	43	7.580	7.580	0.000	93	101077	2.00	1.81	
67 n-Butanol	56	7.933	7.933	0.000	87	63870	175.0	165.1	
68 Trichloroethene	95	8.055	8.055	0.000	99	99079	2.00	1.85	
69 Methylcyclohexane	83	8.372	8.372	0.000	93	143298	2.00	1.80	
70 1,2-Dichloropropane	63	8.390	8.390	0.000	95	100335	2.00	1.93	
71 2-ethoxy-2-methyl butane	87	8.397	8.397	0.000	91	145212	2.00	1.98	
72 Methyl methacrylate	69	8.476	8.476	0.000	93	41287	2.00	2.09	
73 1,4-Dioxane	88	8.482	8.482	0.000	29	5622	100.0	91.5	M
74 Dibromomethane	93	8.494	8.494	0.000	98	40955	2.00	1.93	
76 Dichlorobromomethane	83	8.738	8.738	0.000	99	120233	2.00	1.93	
77 2-Nitropropane	41	9.000	9.000	0.000	96	55820	10.0	9.30	
79 1-Bromo-2-chloroethane	63	9.134	9.134	0.000	99	102767	2.00	2.11	
80 cis-1,3-Dichloropropene	75	9.299	9.299	0.000	95	143484	2.00	1.94	
82 4-Methyl-2-pentanone (MIBK)	43	9.470	9.470	0.000	97	521038	20.0	20.0	
\$ 83 Toluene-d8 (Surr)	98	9.610	9.610	0.000	94	1908364	10.0	9.94	
84 Toluene	92	9.689	9.689	0.000	97	240802	2.00	1.90	
85 trans-1,3-Dichloropropene	75	9.957	9.957	0.000	93	115846	2.00	1.98	
104 Ethyl methacrylate	69	10.018	10.018	0.000	89	87863	2.00	1.96	
S 105 1,3-Dichloropropene, Total	100				0			3.92	
106 1,1,2-Trichloroethane	97	10.158	10.158	0.000	91	62066	2.00	1.92	
107 Tetrachloroethene	166	10.256	10.256	0.000	98	108060	2.00	1.93	
108 1,3-Dichloropropane	76	10.329	10.329	0.000	89	107028	2.00	1.99	
109 2-Hexanone	43	10.378	10.378	0.000	97	349011	20.0	20.2	
111 Chlorodibromomethane	129	10.542	10.542	0.000	90	77568	2.00	1.97	
112 Ethylene Dibromide	107	10.658	10.658	0.000	98	56966	2.00	1.97	
* 113 Chlorobenzene-d5 (IS)	117	11.097	11.097	0.000	87	1411369	10.0	10.0	
114 1-Chlorohexane	91	11.103	11.103	0.000	98	138814	2.00	1.81	
115 Chlorobenzene	112	11.122	11.122	0.000	95	264276	2.00	1.92	
116 1,1,1,2-Tetrachloroethane	131	11.207	11.207	0.000	96	91175	2.00	1.93	
117 Ethylbenzene	91	11.213	11.213	0.000	98	479673	2.00	1.93	
S 118 Xylenes, Total	106				0			5.75	
119 m-Xylene & p-Xylene	106	11.329	11.329	0.000	100	357788	4.00	3.83	
120 o-Xylene	106	11.658	11.658	0.000	97	175003	2.00	1.93	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 Styrene	104	11.676	11.676	0.000	95	289293	2.00	1.93	
122 Bromoform	173	11.835	11.835	0.000	97	45397	2.00	1.98	
123 Isopropylbenzene	105	11.963	11.963	0.000	96	465640	2.00	1.90	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.103	12.103	0.000	89	697431	10.0	10.0	
127 1,1,2,2-Tetrachloroethane	83	12.207	12.207	0.000	92	77837	2.00	1.94	
128 Bromobenzene	156	12.225	12.225	0.000	97	103263	2.00	1.95	
129 trans-1,4-Dichloro-2-butene	53	12.231	12.231	0.000	93	167876	20.0	20.2	
130 1,2,3-Trichloropropane	110	12.256	12.256	0.000	82	18470	2.00	1.95	
131 N-Propylbenzene	91	12.292	12.292	0.000	99	557347	2.00	1.91	
132 2-Chlorotoluene	126	12.365	12.365	0.000	96	107930	2.00	1.93	
133 1,3,5-Trimethylbenzene	105	12.426	12.426	0.000	95	390053	2.00	1.91	
134 4-Chlorotoluene	126	12.463	12.463	0.000	97	109989	2.00	1.92	
135 tert-Butylbenzene	134	12.670	12.670	0.000	94	82091	2.00	1.86	
136 Pentachloroethane	167	12.701	12.701	0.000	94	77077	2.00	2.13	
137 1,2,4-Trimethylbenzene	105	12.713	12.713	0.000	97	397668	2.00	1.93	
138 sec-Butylbenzene	105	12.835	12.835	0.000	94	480487	2.00	1.88	
139 1,3-Dichlorobenzene	146	12.932	12.932	0.000	98	210377	2.00	1.94	
140 4-Isopropyltoluene	119	12.944	12.944	0.000	97	413962	2.00	1.90	
* 141 1,4-Dichlorobenzene-d4	152	12.993	12.993	0.000	95	762594	10.0	10.0	
142 1,4-Dichlorobenzene	146	13.012	13.012	0.000	95	202029	2.00	1.96	
143 1,2,3-Trimethylbenzene	120	13.018	13.018	0.000	99	170773	2.00	1.92	
144 Benzyl chloride	126	13.085	13.085	0.000	99	28779	2.00	1.99	
145 p-Diethylbenzene	119	13.146	13.146	0.000	92	243815	2.00	1.90	
146 n-Butylbenzene	92	13.237	13.237	0.000	98	196834	2.00	1.89	
147 1,2-Dichlorobenzene	146	13.268	13.268	0.000	98	188289	2.00	1.96	
149 1,2-Dibromo-3-Chloropropane	155	13.810	13.810	0.000	86	9373	2.00	1.99	
150 1,3,5-Trichlorobenzene	180	13.938	13.938	0.000	98	145760	2.00	1.92	
151 1,2,4-Trichlorobenzene	180	14.359	14.359	0.000	94	118450	2.00	1.95	
152 Hexachlorobutadiene	225	14.444	14.444	0.000	96	41789	2.00	1.84	
153 Naphthalene	128	14.542	14.542	0.000	97	198435	2.00	1.98	
154 1,2,3-Trichlorobenzene	180	14.682	14.682	0.000	95	93224	2.00	1.93	
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_00073	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00145	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00081	Amount Added: 2.00	Units: uL	
MSV_LLcentISS_00007	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X15.D

Injection Date: 19-Apr-2023 22:41:30

Instrument ID: 19094

Operator ID: mec29284

Lims ID: IC std4 2

Worklist Smp#: 16

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

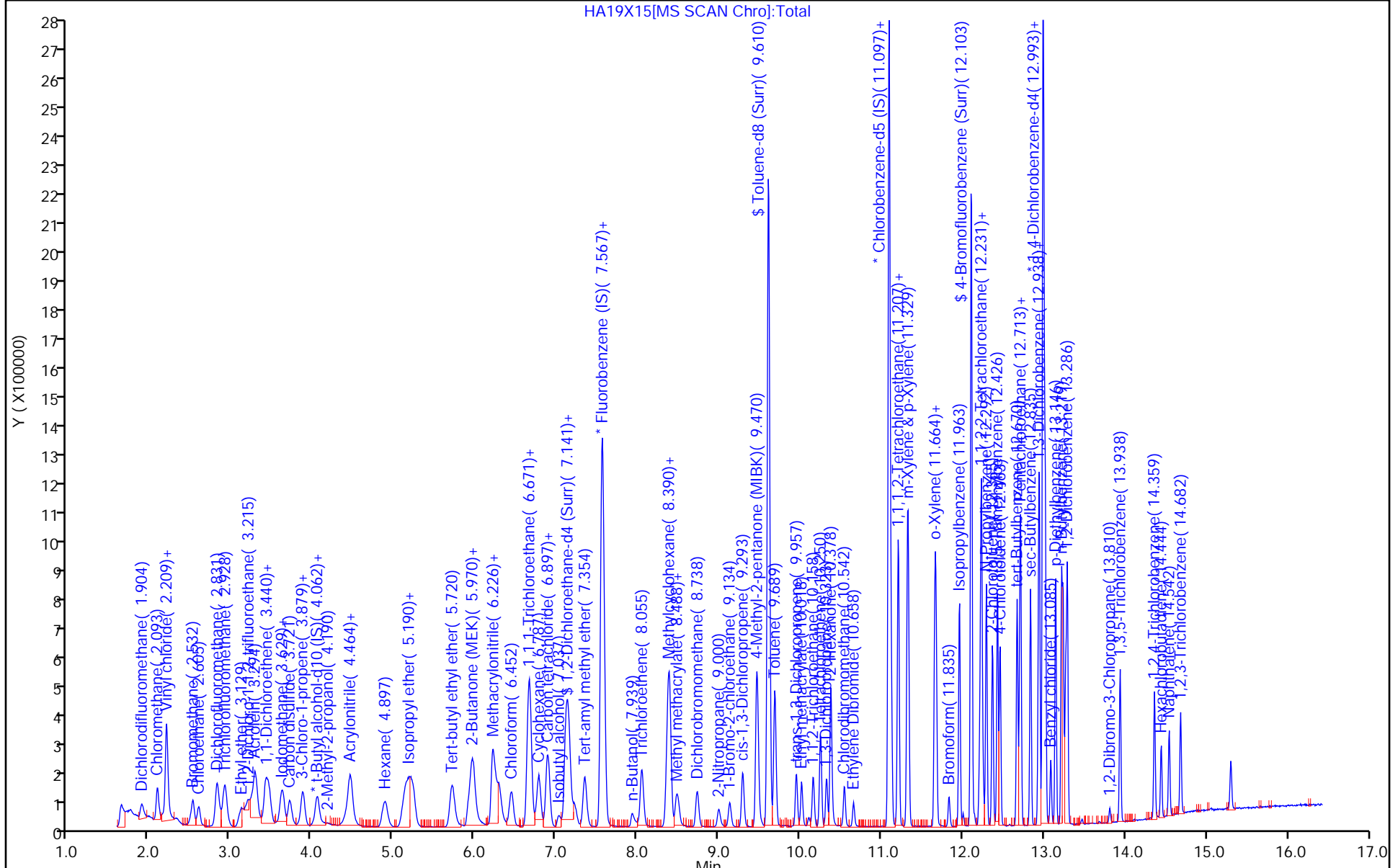
ALS Bottle#: 15

Method: MSV_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

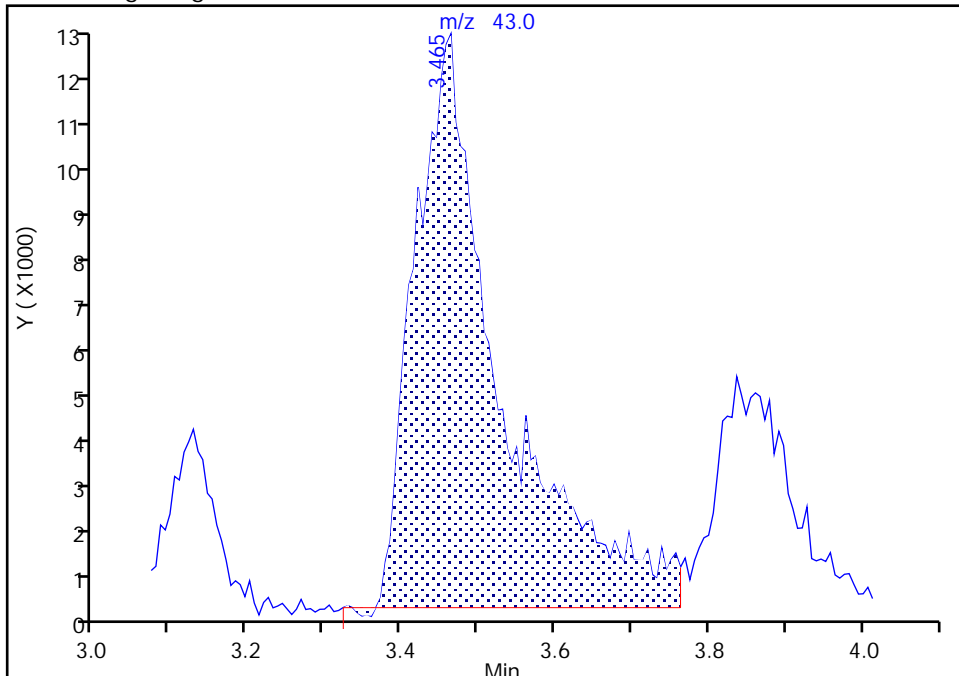
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Injection Date:	19-Apr-2023 22:41:30	Instrument ID:	19094
Lims ID:	IC std4 2		
Client ID:			
Operator ID:	mec29284	ALS Bottle#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D
Column:	Rxi-624Sil MS Capillary Column (0.25mm ID)	Detector:	MS Quad
		Worklist Smp#:	16

19 Acetone, CAS: 67-64-1

Signal: 1

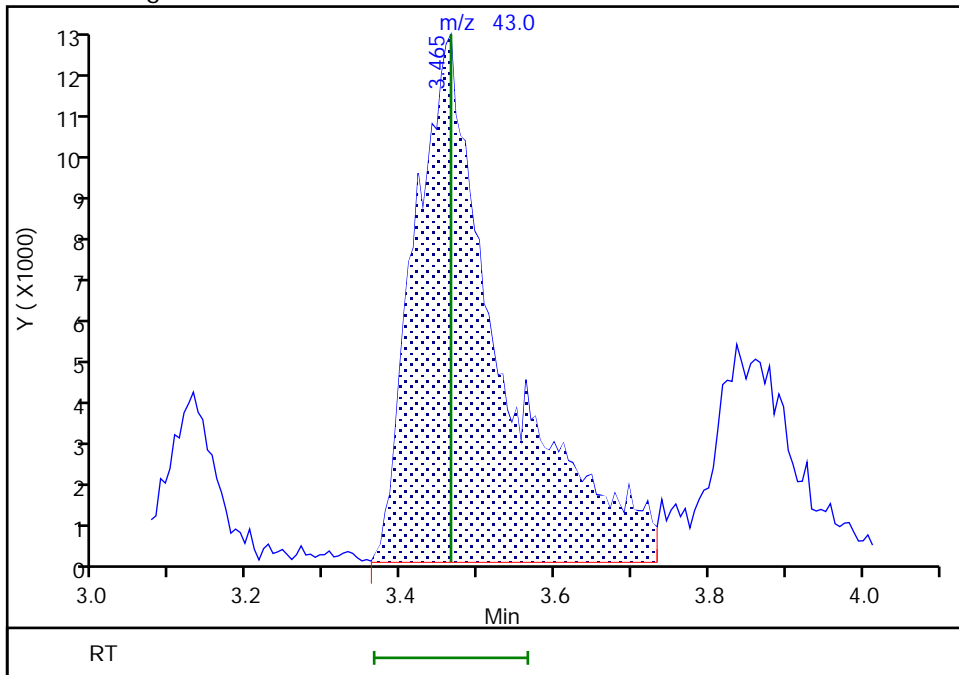
RT: 3.46
 Area: 87430
 Amount: 15.550647
 Amount Units: ug/l

Processing Integration Results



RT: 3.46
 Area: 89796
 Amount: 19.737287
 Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:35:58
 Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Euofins Lancaster Laboratories Environment Testing, LLC

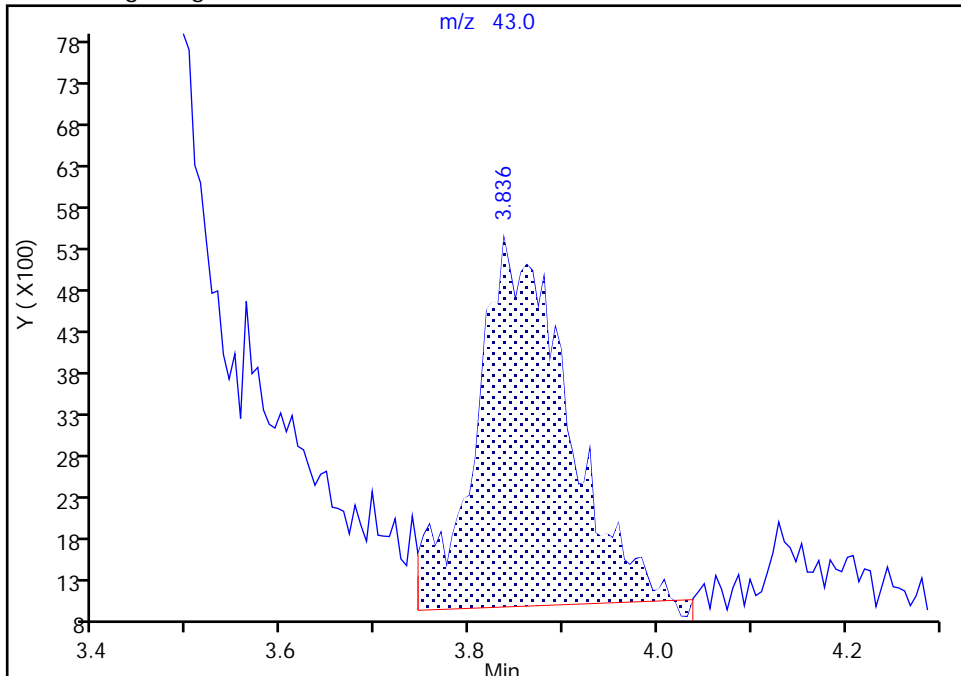
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X15.D
Injection Date: 19-Apr-2023 22:41:30 Instrument ID: 19094
Lims ID: IC std4 2
Client ID:
Operator ID: mec29284 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

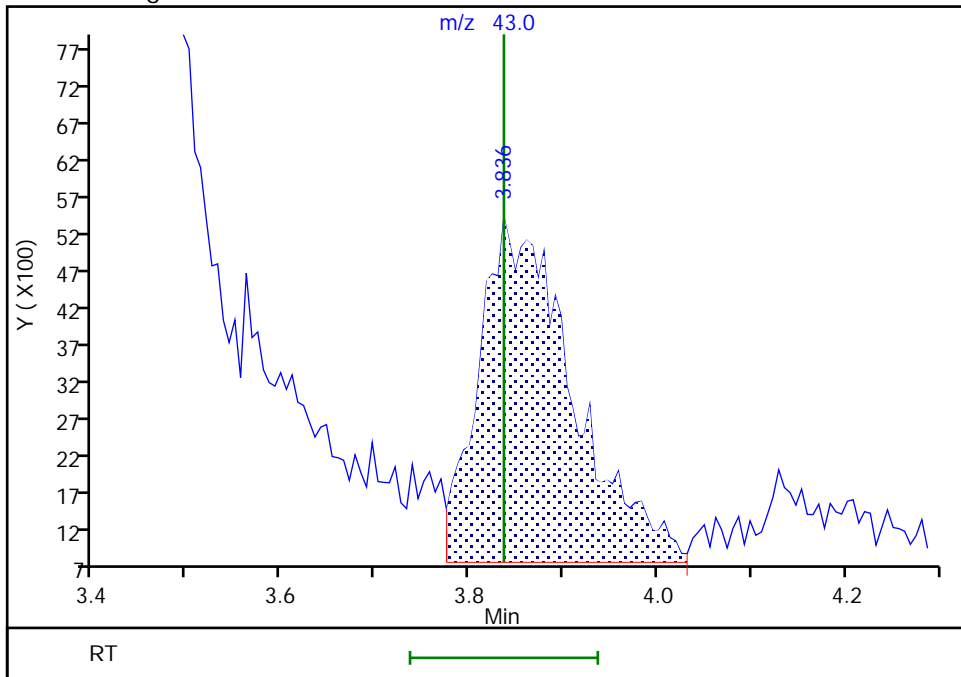
RT: 3.84
Area: 29846
Amount: 1.874608
Amount Units: ug/l

Processing Integration Results



RT: 3.84
Area: 32258
Amount: 2.119510
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:36:25
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

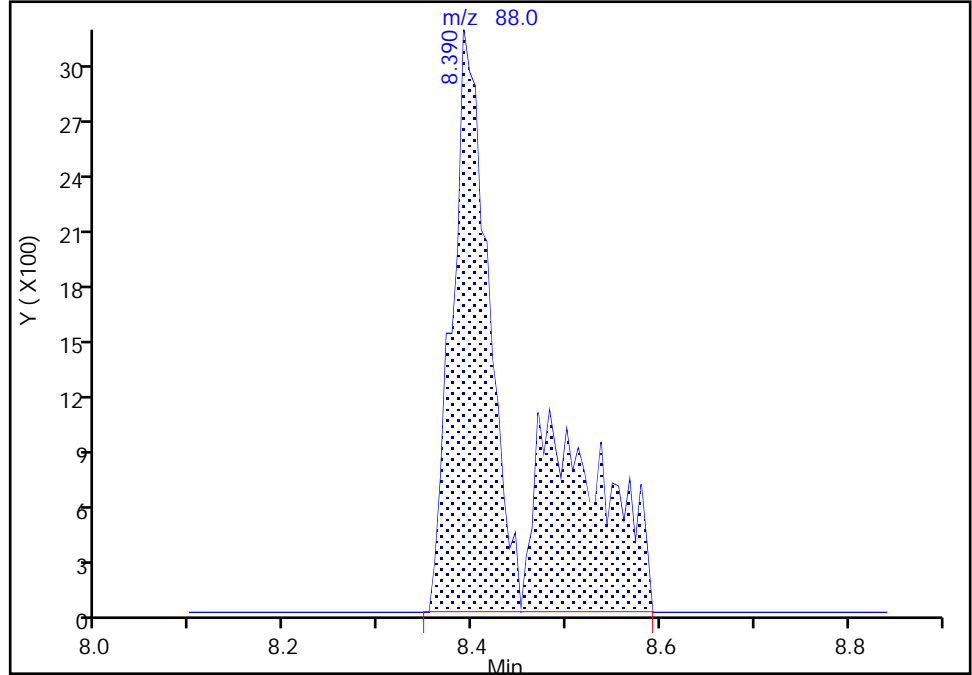
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X15.D
Injection Date: 19-Apr-2023 22:41:30 Instrument ID: 19094
Lims ID: IC std4 2
Client ID:
Operator ID: mec29284 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

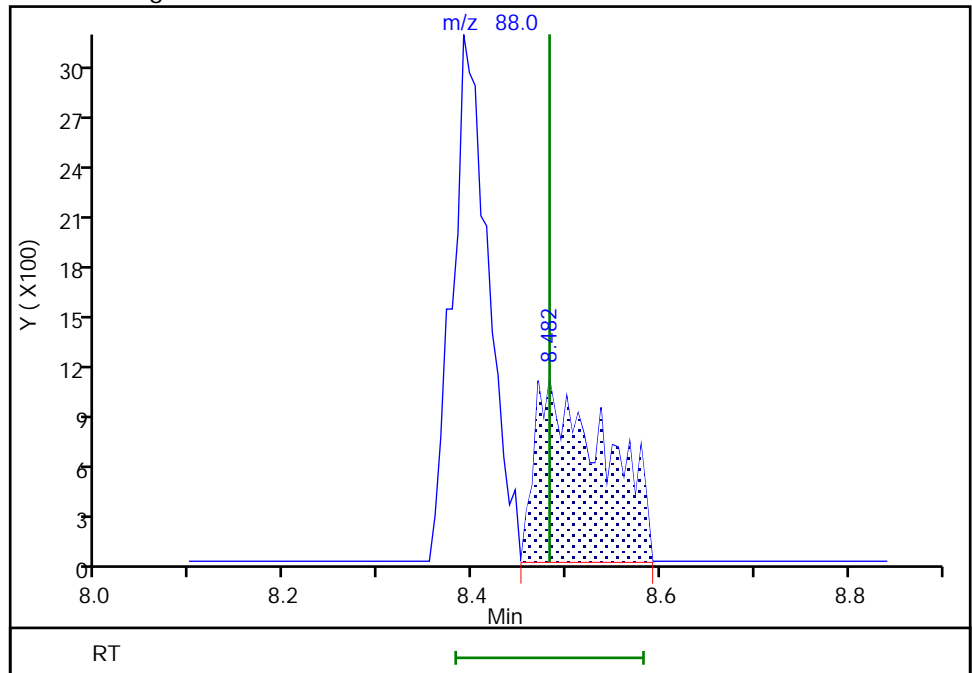
RT: 8.39
Area: 14014
Amount: 162.7763
Amount Units: ug/l

Processing Integration Results



RT: 8.48
Area: 5622
Amount: 91.454281
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:36:52
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\20230419-81852.b\HA19X16.D
 Lims ID: IC std5 5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 19-Apr-2023 23:01:30 ALS Bottle#: 16 Worklist Smp#: 17
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0081852-017
 Operator ID: mec29284 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 23-Apr-2023 20:35:03 Calib Date: 19-Apr-2023 23:41:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1665

First Level Reviewer: K4WN

Date: 23-Apr-2023 19:38:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.904	1.904	0.000	99	318413	5.00	4.93	
5 Chloromethane	50	2.093	2.093	0.000	99	405000	5.00	4.74	
6 Vinyl chloride	62	2.209	2.209	0.000	97	382745	5.00	4.80	
7 Butadiene	39	2.209	2.209	0.000	92	392467	5.00	4.80	
9 Bromomethane	94	2.532	2.532	0.000	91	240708	5.00	4.84	
10 Chloroethane	64	2.599	2.605	-0.006	100	214603	5.00	4.81	
11 Dichlorofluoromethane	67	2.830	2.824	0.006	97	512847	5.00	4.80	
12 Trichlorofluoromethane	101	2.910	2.910	0.000	98	453540	5.00	5.03	
14 Ethyl ether	59	3.123	3.129	-0.006	93	184404	5.00	5.04	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.208	3.209	-0.001	94	325993	5.00	4.64	
16 Acrolein	56	3.300	3.294	0.006	99	1231678	250.0	265.6	
17 1,1-Dichloroethene	96	3.428	3.434	-0.006	97	218036	5.00	4.90	
19 Acetone	43	3.458	3.465	-0.007	59	232459	50.0	50.1	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.471	3.465	0.005	93	218851	5.00	5.24	
21 Iodomethane	142	3.617	3.617	0.000	99	407989	5.00	5.09	
22 Ethyl bromide	108	3.641	3.647	-0.006	98	213957	5.01	5.13	
23 Carbon disulfide	76	3.720	3.721	-0.001	99	634668	5.00	5.03	
24 Methyl acetate	43	3.836	3.836	0.000	96	76277	5.00	4.92	M
26 3-Chloro-1-propene	41	3.879	3.879	0.000	92	395258	5.00	5.02	
* 28 t-Butyl alcohol-d10 (IS)	65	4.062	4.062	0.000	99	70223	50.0	50.0	
27 Methylene Chloride	84	4.056	4.068	-0.012	93	237348	5.00	5.04	
29 2-Methyl-2-propanol	59	4.135	4.202	-0.067	95	128115	100.0	94.6	
31 Acrylonitrile	53	4.391	4.403	-0.012	97	96000	12.5	13.8	
32 Methyl tert-butyl ether	73	4.452	4.458	-0.006	90	543441	5.00	5.09	
33 trans-1,2-Dichloroethene	96	4.464	4.464	0.000	98	241965	5.00	4.87	
34 Hexane	57	4.891	4.891	0.000	92	303506	5.00	5.01	
36 1,1-Dichloroethane	63	5.123	5.129	-0.006	96	480525	5.00	5.12	
37 Isopropyl ether	45	5.184	5.190	-0.006	97	818376	5.00	5.01	
38 2-Chloro-1,3-butadiene	53	5.238	5.239	-0.001	91	406104	5.00	4.98	
40 Tert-butyl ethyl ether	59	5.720	5.720	0.000	98	721138	5.00	5.01	
41 2-Butanone (MEK)	43	5.915	5.915	0.000	100	506276	50.0	54.4	

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	5.964	5.958	0.006	84	265869	5.00	4.91	
43 2,2-Dichloropropane	77	5.982	5.982	0.000	90	367107	5.00	4.75	
44 Propionitrile	54	5.994	6.013	-0.019	97	253963	100.0	106.6	
S 46 1,2-Dichloroethene, Total	100				0			9.77	
47 Methacrylonitrile	67	6.220	6.226	-0.006	92	541609	50.0	50.3	
48 Chlorobromomethane	128	6.305	6.293	0.012	95	104507	5.00	5.19	
49 Tetrahydrofuran	71	6.305	6.306	-0.001	69	68833	25.0	27.3	
50 Chloroform	83	6.452	6.452	0.000	94	449290	5.00	5.01	
\$ 52 Dibromofluoromethane (Surr)	113	6.665	6.665	0.000	94	466155	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.683	6.677	0.006	98	388654	5.00	4.88	
54 Cyclohexane	56	6.787	6.787	0.000	91	427183	5.00	5.02	
55 1,1-Dichloropropene	75	6.897	6.897	0.000	96	351085	5.00	5.08	
56 Carbon tetrachloride	117	6.897	6.903	-0.006	91	338491	5.00	5.05	
57 Isobutyl alcohol	41	7.031	7.037	-0.006	94	121519	250.0	223.6	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.122	7.129	-0.006	95	85902	10.0	9.95	
59 Benzene	78	7.159	7.159	0.000	97	1037536	5.00	5.08	
60 1,2-Dichloroethane	62	7.226	7.226	0.000	97	255763	5.00	5.13	
63 Tert-amyl methyl ether	73	7.354	7.354	0.000	99	609166	5.00	5.06	
* 64 Fluorobenzene (IS)	96	7.567	7.567	0.000	98	1951110	10.0	10.0	
65 n-Heptane	43	7.586	7.580	0.006	94	284346	5.00	5.02	
67 n-Butanol	56	7.933	7.933	0.000	88	159856	437.5	405.7	
68 Trichloroethene	95	8.055	8.055	0.000	99	270948	5.00	4.98	
69 Methylcyclohexane	83	8.372	8.372	0.000	92	418179	5.00	5.19	
70 1,2-Dichloropropane	63	8.384	8.390	-0.006	85	272090	5.00	5.14	
71 2-ethoxy-2-methyl butane	87	8.396	8.397	-0.001	90	379913	5.00	5.09	
72 Methyl methacrylate	69	8.470	8.476	-0.006	90	107865	5.00	5.36	
73 1,4-Dioxane	88	8.488	8.482	0.006	29	12985	250.0	207.3	a
74 Dibromomethane	93	8.494	8.494	0.000	97	109860	5.00	5.10	
76 Dichlorobromomethane	83	8.738	8.738	0.000	99	311381	5.00	4.93	
77 2-Nitropropane	41	9.000	9.000	0.000	98	150205	25.0	24.6	
79 1-Bromo-2-chloroethane	63	9.134	9.134	0.000	99	253838	5.00	5.14	
80 cis-1,3-Dichloropropene	75	9.293	9.299	-0.006	96	385246	5.00	5.13	
82 4-Methyl-2-pentanone (MIBK)	43	9.469	9.470	-0.001	97	1373060	50.0	51.8	
\$ 83 Toluene-d8 (Surr)	98	9.610	9.610	0.000	94	1946729	10.0	10.0	
84 Toluene	92	9.689	9.689	0.000	97	648649	5.00	5.05	
85 trans-1,3-Dichloropropene	75	9.951	9.957	-0.006	93	310893	5.00	5.24	
104 Ethyl methacrylate	69	10.018	10.018	0.000	89	232904	5.00	5.13	
S 105 1,3-Dichloropropene, Total	100				0			10.4	
106 1,1,2-Trichloroethane	97	10.164	10.158	0.006	91	158299	5.00	4.84	
107 Tetrachloroethene	166	10.256	10.256	0.000	98	290211	5.00	5.10	
108 1,3-Dichloropropane	76	10.329	10.329	0.000	89	279745	5.00	5.12	
109 2-Hexanone	43	10.378	10.378	0.000	97	927403	50.0	52.8	
111 Chlorodibromomethane	129	10.548	10.542	0.006	90	207592	5.00	5.21	
112 Ethylene Dibromide	107	10.658	10.658	0.000	98	150103	5.00	5.12	
* 113 Chlorobenzene-d5 (IS)	117	11.097	11.097	0.000	87	1430808	10.0	10.0	
114 1-Chlorohexane	91	11.103	11.103	0.000	98	375882	5.00	4.85	
115 Chlorobenzene	112	11.121	11.122	-0.001	94	706382	5.00	5.07	
116 1,1,1,2-Tetrachloroethane	131	11.207	11.207	0.000	97	242526	5.00	5.05	
117 Ethylbenzene	91	11.207	11.213	-0.006	99	1280561	5.00	5.07	
S 118 Xylenes, Total	106				0			15.3	
119 m-Xylene & p-Xylene	106	11.329	11.329	0.000	100	969863	10.0	10.2	
120 o-Xylene	106	11.658	11.658	0.000	96	469615	5.00	5.10	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 Styrene	104	11.676	11.676	0.000	95	776015	5.00	5.11	
122 Bromoform	173	11.835	11.835	0.000	97	120439	5.00	5.17	
123 Isopropylbenzene	105	11.963	11.963	0.000	96	1257363	5.00	5.07	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.103	12.103	0.000	89	703711	10.0	9.97	
127 1,1,2,2-Tetrachloroethane	83	12.207	12.207	0.000	92	200075	5.00	4.95	
128 Bromobenzene	156	12.225	12.225	0.000	97	273271	5.00	5.12	
129 trans-1,4-Dichloro-2-butene	53	12.231	12.231	0.000	93	448606	50.0	53.1	
130 1,2,3-Trichloropropane	110	12.255	12.256	-0.001	83	48099	5.00	5.04	
131 N-Propylbenzene	91	12.292	12.292	0.000	99	1515215	5.00	5.14	
132 2-Chlorotoluene	126	12.365	12.365	0.000	96	292568	5.00	5.18	
133 1,3,5-Trimethylbenzene	105	12.426	12.426	0.000	94	1053133	5.00	5.11	
134 4-Chlorotoluene	126	12.463	12.463	0.000	98	296792	5.00	5.14	
135 tert-Butylbenzene	134	12.670	12.670	0.000	94	220495	5.00	4.94	
136 Pentachloroethane	167	12.707	12.701	0.005	94	193643	5.00	5.30	
137 1,2,4-Trimethylbenzene	105	12.713	12.713	0.000	98	1077037	5.00	5.17	
138 sec-Butylbenzene	105	12.835	12.835	0.000	94	1316129	5.00	5.10	
139 1,3-Dichlorobenzene	146	12.932	12.932	0.000	98	556943	5.00	5.08	
140 4-Isopropyltoluene	119	12.944	12.944	0.000	97	1129043	5.00	5.12	
* 141 1,4-Dichlorobenzene-d4	152	12.993	12.993	0.000	94	769500	10.0	10.0	
142 1,4-Dichlorobenzene	146	13.011	13.012	-0.001	94	529693	5.00	5.09	
143 1,2,3-Trimethylbenzene	120	13.017	13.018	-0.001	99	453918	5.00	5.06	
144 Benzyl chloride	126	13.084	13.085	-0.001	99	73498	5.00	5.03	
145 p-Diethylbenzene	119	13.145	13.146	-0.001	92	666538	5.00	5.14	
146 n-Butylbenzene	92	13.237	13.237	0.000	98	543862	5.00	5.17	
147 1,2-Dichlorobenzene	146	13.267	13.268	-0.001	98	495463	5.00	5.10	
149 1,2-Dibromo-3-Chloropropane	155	13.810	13.810	0.000	87	26097	5.00	5.49	
150 1,3,5-Trichlorobenzene	180	13.938	13.938	0.000	97	399828	5.00	5.22	
151 1,2,4-Trichlorobenzene	180	14.359	14.359	0.000	94	320606	5.00	5.23	
152 Hexachlorobutadiene	225	14.444	14.444	0.000	96	117258	5.00	5.11	
153 Naphthalene	128	14.542	14.542	0.000	97	529033	5.00	5.23	
154 1,2,3-Trichlorobenzene	180	14.682	14.682	0.000	95	256958	5.00	5.28	
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_00073

Amount Added: 5.00

Units: uL

MSV_LL_GAS826_00145

Amount Added: 5.00

Units: uL

MSV_LL_#2_826_00081

Amount Added: 5.00

Units: uL

MSV_LLcentISS_00007

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X16.D

Injection Date: 19-Apr-2023 23:01:30

Instrument ID: 19094

Operator ID: mec29284

Lims ID: IC std5 5

Worklist Smp#: 17

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

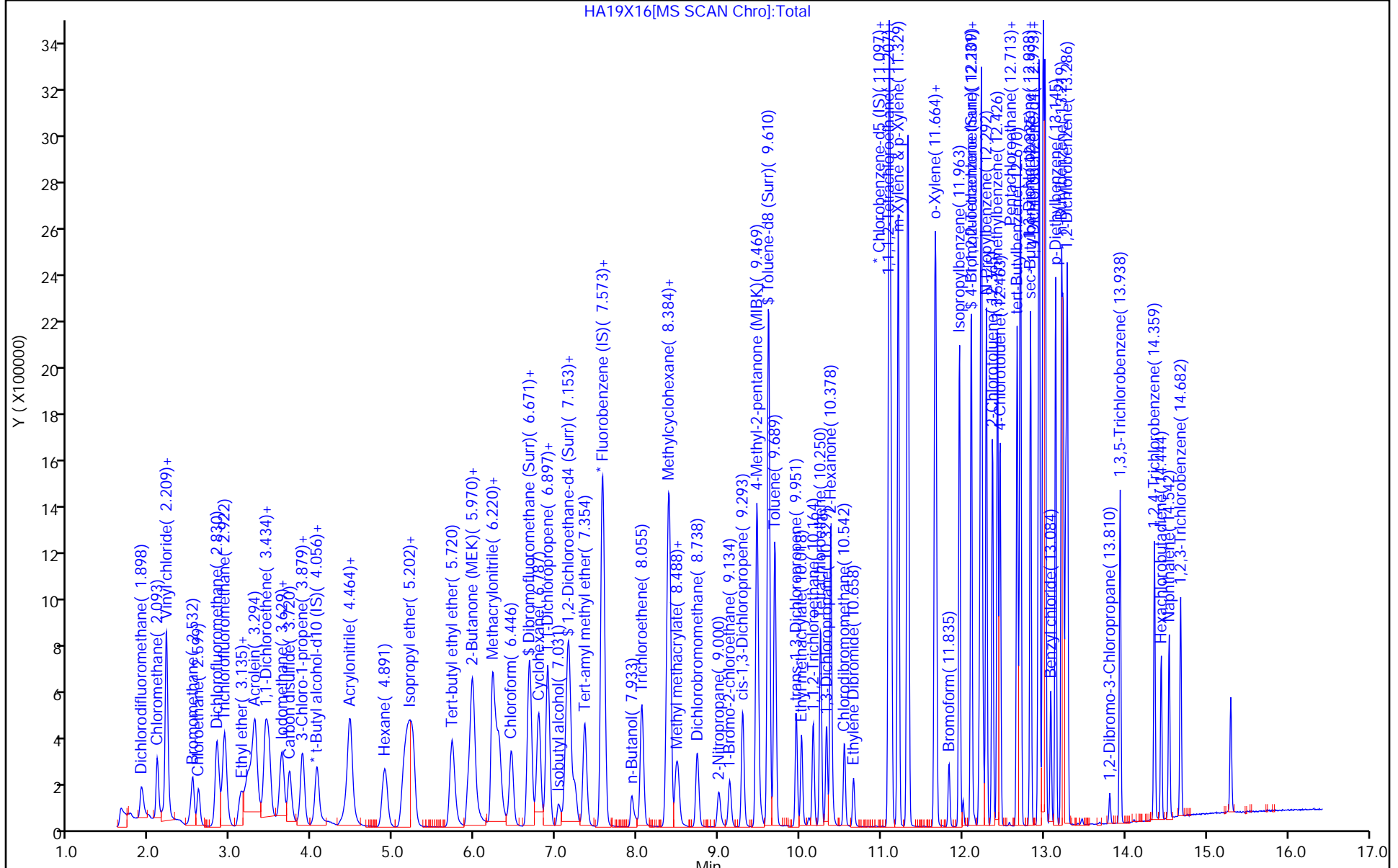
ALS Bottle#: 16

Method: MSV_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

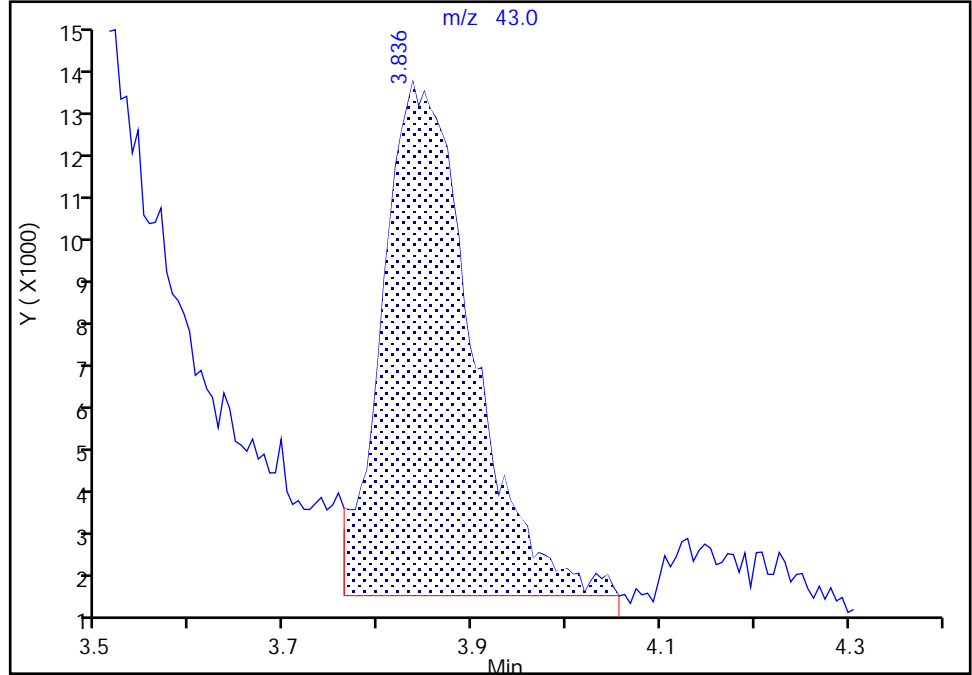
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X16.D
Injection Date: 19-Apr-2023 23:01:30 Instrument ID: 19094
Lims ID: IC std5 5
Client ID:
Operator ID: mec29284 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

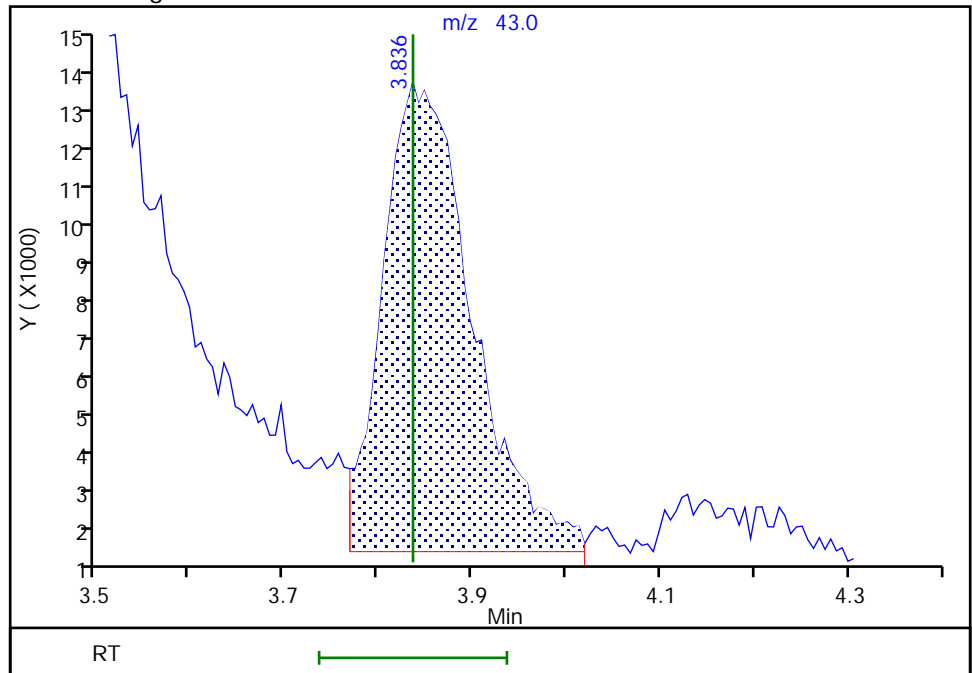
RT: 3.84
Area: 75635
Amount: 4.654990
Amount Units: ug/l

Processing Integration Results



RT: 3.84
Area: 76277
Amount: 4.919067
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:37:56
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

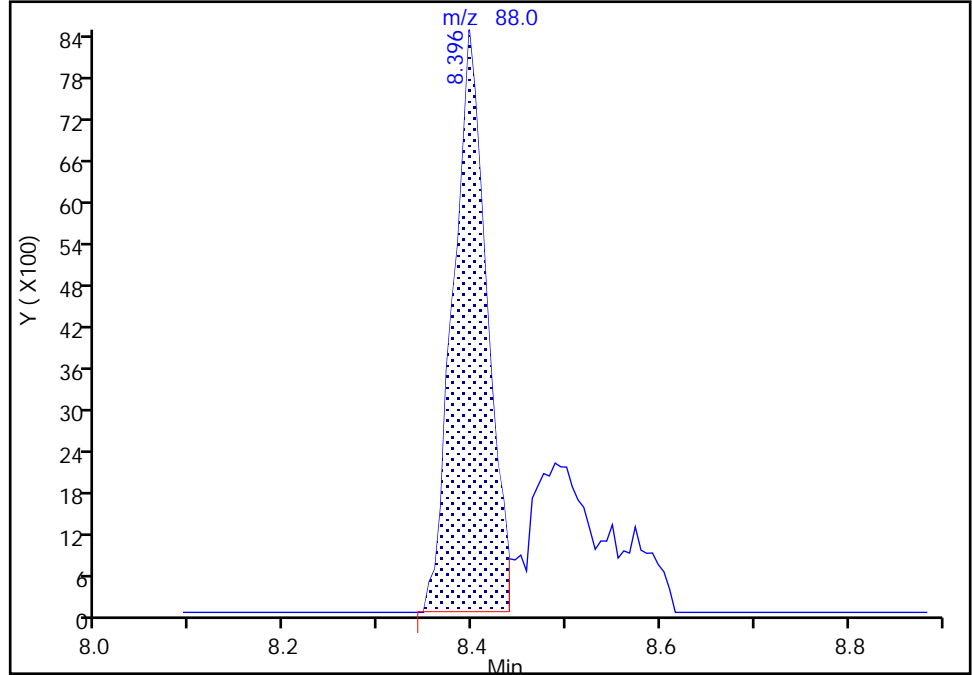
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X16.D
 Injection Date: 19-Apr-2023 23:01:30 Instrument ID: 19094
 Lims ID: IC std5 5
 Client ID:
 Operator ID: mec29284 ALS Bottle#: 16 Worklist Smp#: 17
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
 Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

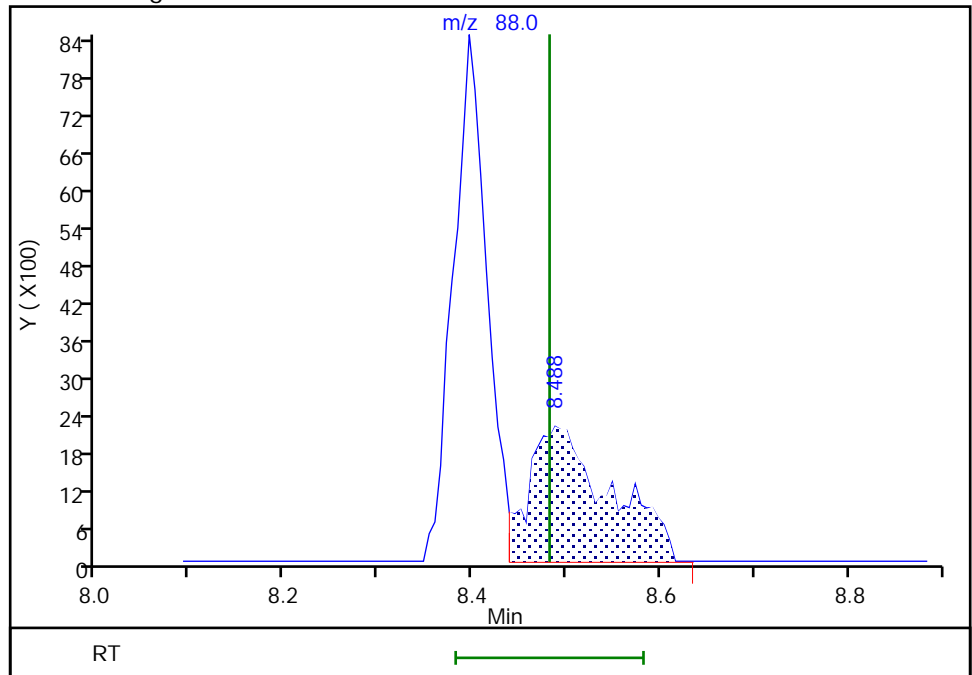
RT: 8.40
 Area: 21170
 Amount: 302.3913
 Amount Units: ug/l

Processing Integration Results



RT: 8.49
 Area: 12985
 Amount: 207.3224
 Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:38:13
 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\20230419-81852.b\HA19X17.D
 Lims ID: ICIS 10
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 19-Apr-2023 23:21:30 ALS Bottle#: 17 Worklist Smp#: 18
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0081852-018
 Operator ID: mec29284 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 23-Apr-2023 20:35:09 Calib Date: 19-Apr-2023 23:41:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1665

First Level Reviewer: K4WN Date: 23-Apr-2023 19:40:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.898	1.898	0.000	99	636955	10.0	9.70	
5 Chloromethane	50	2.093	2.093	0.000	99	810550	10.0	9.34	
6 Vinyl chloride	62	2.203	2.203	0.000	97	782215	10.0	9.65	
7 Butadiene	39	2.203	2.203	0.000	92	764078	10.0	9.19	
9 Bromomethane	94	2.526	2.526	0.000	91	486665	10.0	9.62	
10 Chloroethane	64	2.599	2.599	0.000	100	430991	10.0	9.49	
11 Dichlorofluoromethane	67	2.824	2.824	0.000	97	1003661	10.0	9.23	
12 Trichlorofluoromethane	101	2.904	2.904	0.000	99	924460	10.0	10.1	
14 Ethyl ether	59	3.117	3.117	0.000	93	357895	10.0	9.63	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.202	3.202	0.000	94	647850	10.0	9.07	
16 Acrolein	56	3.288	3.288	0.000	99	2510655	500.0	484.2	
17 1,1-Dichloroethene	96	3.422	3.422	0.000	97	450439	10.0	9.97	
19 Acetone	43	3.446	3.446	0.000	59	495967	100.0	95.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.465	3.465	0.000	93	468821	10.0	11.0	
21 Iodomethane	142	3.611	3.611	0.000	99	841246	10.0	10.3	
22 Ethyl bromide	108	3.635	3.635	0.000	98	410521	10.0	9.67	
23 Carbon disulfide	76	3.715	3.715	0.000	99	1311680	10.0	10.2	
24 Methyl acetate	43	3.843	3.843	0.000	96	160403	10.0	9.25	M
26 3-Chloro-1-propene	41	3.873	3.873	0.000	93	814150	10.0	10.2	
* 28 t-Butyl alcohol-d10 (IS)	65	4.050	4.050	0.000	99	78513	50.0	50.0	
27 Methylene Chloride	84	4.050	4.050	0.000	93	478473	10.0	10.0	
29 2-Methyl-2-propanol	59	4.190	4.190	0.000	97	305748	200.0	201.8	
31 Acrylonitrile	53	4.373	4.373	0.000	99	197290	25.0	25.3	
32 Methyl tert-butyl ether	73	4.452	4.452	0.000	95	1093526	10.0	10.1	
33 trans-1,2-Dichloroethene	96	4.458	4.458	0.000	98	497751	10.0	9.85	
34 Hexane	57	4.885	4.885	0.000	92	658533	10.0	10.7	
36 1,1-Dichloroethane	63	5.123	5.123	0.000	96	982112	10.0	10.3	
37 Isopropyl ether	45	5.178	5.178	0.000	95	1669640	10.0	10.1	
38 2-Chloro-1,3-butadiene	53	5.239	5.239	0.000	91	845634	10.0	10.2	
40 Tert-butyl ethyl ether	59	5.720	5.720	0.000	98	1471793	10.0	10.1	
41 2-Butanone (MEK)	43	5.909	5.909	0.000	100	989354	100.0	95.1	

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	5.958	5.958	0.000	83	548754	10.0	9.97	
43 2,2-Dichloropropane	77	5.976	5.976	0.000	88	772779	10.0	9.83	
44 Propionitrile	54	5.995	5.995	0.000	99	513896	200.0	193.0	
47 Methacrylonitrile	67	6.220	6.220	0.000	92	1082796	100.0	90.0	
48 Chlorobromomethane	128	6.299	6.299	0.000	95	214131	10.0	10.5	
49 Tetrahydrofuran	71	6.299	6.299	0.000	80	133716	50.0	47.4	
50 Chloroform	83	6.446	6.446	0.000	93	902080	10.0	9.89	
\$ 52 Dibromofluoromethane (Surr)	113	6.665	6.665	0.000	93	470051	10.0	9.97	
53 1,1,1-Trichloroethane	97	6.677	6.677	0.000	99	810954	10.0	10.0	
54 Cyclohexane	56	6.781	6.781	0.000	91	904666	10.0	10.5	
55 1,1-Dichloropropene	75	6.897	6.897	0.000	95	726484	10.0	10.3	
56 Carbon tetrachloride	117	6.897	6.897	0.000	92	711773	10.0	10.5	
57 Isobutyl alcohol	41	7.031	7.031	0.000	95	264560	500.0	435.3	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.116	7.116	0.000	82	88122	10.0	10.0	
59 Benzene	78	7.159	7.159	0.000	97	2131251	10.0	10.3	
60 1,2-Dichloroethane	62	7.226	7.226	0.000	97	514210	10.0	10.1	
63 Tert-amyl methyl ether	73	7.354	7.354	0.000	98	1229540	10.0	10.0	
* 64 Fluorobenzene (IS)	96	7.567	7.567	0.000	97	1983640	10.0	10.0	
65 n-Heptane	43	7.586	7.586	0.000	93	623465	10.0	10.8	
67 n-Butanol	56	7.927	7.927	0.000	88	376542	875.0	854.7	
68 Trichloroethene	95	8.049	8.049	0.000	99	563481	10.0	10.2	
69 Methylcyclohexane	83	8.366	8.366	0.000	93	887897	10.0	10.8	
70 1,2-Dichloropropane	63	8.390	8.390	0.000	87	556276	10.0	10.3	
71 2-ethoxy-2-methyl butane	87	8.397	8.397	0.000	90	778791	10.0	10.3	
72 Methyl methacrylate	69	8.470	8.470	0.000	91	219582	10.0	9.77	
73 1,4-Dioxane	88	8.482	8.482	0.000	29	32409	500.0	462.8	Ma
74 Dibromomethane	93	8.494	8.494	0.000	97	220960	10.0	10.1	
76 Dichlorobromomethane	83	8.732	8.732	0.000	100	647350	10.0	10.1	
77 2-Nitropropane	41	9.000	9.000	0.000	96	304682	50.0	44.5	
79 1-Bromo-2-chloroethane	63	9.134	9.134	0.000	99	489908	10.0	9.75	
80 cis-1,3-Dichloropropene	75	9.293	9.293	0.000	96	794418	10.0	10.4	
82 4-Methyl-2-pentanone (MIBK)	43	9.470	9.470	0.000	97	2760554	100.0	93.1	
\$ 83 Toluene-d8 (Surr)	98	9.610	9.610	0.000	94	1979494	10.0	10.0	
84 Toluene	92	9.689	9.689	0.000	98	1336088	10.0	10.3	
85 trans-1,3-Dichloropropene	75	9.951	9.951	0.000	93	636888	10.0	10.6	
104 Ethyl methacrylate	69	10.018	10.018	0.000	89	479093	10.0	10.4	
106 1,1,2-Trichloroethane	97	10.165	10.165	0.000	91	321718	10.0	9.69	
107 Tetrachloroethene	166	10.256	10.256	0.000	98	607647	10.0	10.5	
108 1,3-Dichloropropane	76	10.329	10.329	0.000	90	569662	10.0	10.3	
109 2-Hexanone	43	10.378	10.378	0.000	97	1868352	100.0	95.1	
111 Chlorodibromomethane	129	10.549	10.549	0.000	90	422450	10.0	10.5	
112 Ethylene Dibromide	107	10.658	10.658	0.000	99	302559	10.0	10.2	
* 113 Chlorobenzene-d5 (IS)	117	11.091	11.091	0.000	86	1451141	10.0	10.0	
114 1-Chlorohexane	91	11.103	11.103	0.000	98	790325	10.0	10.0	
115 Chlorobenzene	112	11.122	11.122	0.000	94	1445549	10.0	10.2	
116 1,1,1,2-Tetrachloroethane	131	11.207	11.207	0.000	97	504509	10.0	10.4	
117 Ethylbenzene	91	11.207	11.207	0.000	99	2639936	10.0	10.3	
119 m-Xylene & p-Xylene	106	11.329	11.329	0.000	99	2011044	20.0	20.9	
120 o-Xylene	106	11.658	11.658	0.000	96	970389	10.0	10.4	
121 Styrene	104	11.670	11.670	0.000	95	1601100	10.0	10.4	
122 Bromoform	173	11.835	11.835	0.000	98	248769	10.0	10.5	
123 Isopropylbenzene	105	11.963	11.963	0.000	96	2612391	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	12.103	12.103	0.000	89	714332	10.0	9.97	
127 1,1,2,2-Tetrachloroethane	83	12.207	12.207	0.000	91	403972	10.0	9.70	
128 Bromobenzene	156	12.219	12.219	0.000	97	564932	10.0	10.3	
129 trans-1,4-Dichloro-2-butene	53	12.231	12.231	0.000	92	932718	100.0	98.8	
130 1,2,3-Trichloropropane	110	12.256	12.256	0.000	83	96400	10.0	9.82	
131 N-Propylbenzene	91	12.292	12.292	0.000	99	3145301	10.0	10.4	
132 2-Chlorotoluene	126	12.365	12.365	0.000	96	601725	10.0	10.4	
133 1,3,5-Trimethylbenzene	105	12.426	12.426	0.000	94	2206475	10.0	10.4	
134 4-Chlorotoluene	126	12.463	12.463	0.000	97	614053	10.0	10.3	
135 tert-Butylbenzene	134	12.670	12.670	0.000	94	474319	10.0	10.3	
136 Pentachloroethane	167	12.707	12.707	0.000	93	377707	10.0	10.0	
137 1,2,4-Trimethylbenzene	105	12.713	12.713	0.000	97	2231472	10.0	10.4	
138 sec-Butylbenzene	105	12.835	12.835	0.000	94	2783461	10.0	10.5	
139 1,3-Dichlorobenzene	146	12.932	12.932	0.000	98	1164783	10.0	10.3	
140 4-Isopropyltoluene	119	12.944	12.944	0.000	97	2386266	10.0	10.5	
* 141 1,4-Dichlorobenzene-d4	152	12.993	12.993	0.000	95	792309	10.0	10.0	
142 1,4-Dichlorobenzene	146	13.012	13.012	0.000	94	1094581	10.0	10.2	
143 1,2,3-Trimethylbenzene	120	13.018	13.018	0.000	99	947210	10.0	10.2	
144 Benzyl chloride	126	13.085	13.085	0.000	99	152191	10.0	10.1	
145 p-Diethylbenzene	119	13.146	13.146	0.000	92	1399547	10.0	10.5	
146 n-Butylbenzene	92	13.237	13.237	0.000	97	1162197	10.0	10.7	
147 1,2-Dichlorobenzene	146	13.268	13.268	0.000	98	1022011	10.0	10.2	
149 1,2-Dibromo-3-Chloropropane	155	13.810	13.810	0.000	86	51352	10.0	10.5	
150 1,3,5-Trichlorobenzene	180	13.938	13.938	0.000	98	840176	10.0	10.7	
151 1,2,4-Trichlorobenzene	180	14.359	14.359	0.000	94	676839	10.0	10.7	
152 Hexachlorobutadiene	225	14.444	14.444	0.000	93	253716	10.0	10.7	
153 Naphthalene	128	14.542	14.542	0.000	97	1087740	10.0	10.4	
154 1,2,3-Trichlorobenzene	180	14.682	14.682	0.000	96	537387	10.0	10.7	
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_00073	Amount Added: 10.00	Units: uL	
MSV_LL_GAS826_00145	Amount Added: 10.00	Units: uL	
MSV_LL_#2_826_00081	Amount Added: 10.00	Units: uL	
MSV_LLcentISS_00007	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromf\Lancaster\ChromData\19094\20230419-81852.b\HA19X17.D

Injection Date: 19-Apr-2023 23:21:30

Instrument ID: 19094

Operator ID: mec29284

Lims ID: ICIS 10

Worklist Smp#: 18

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

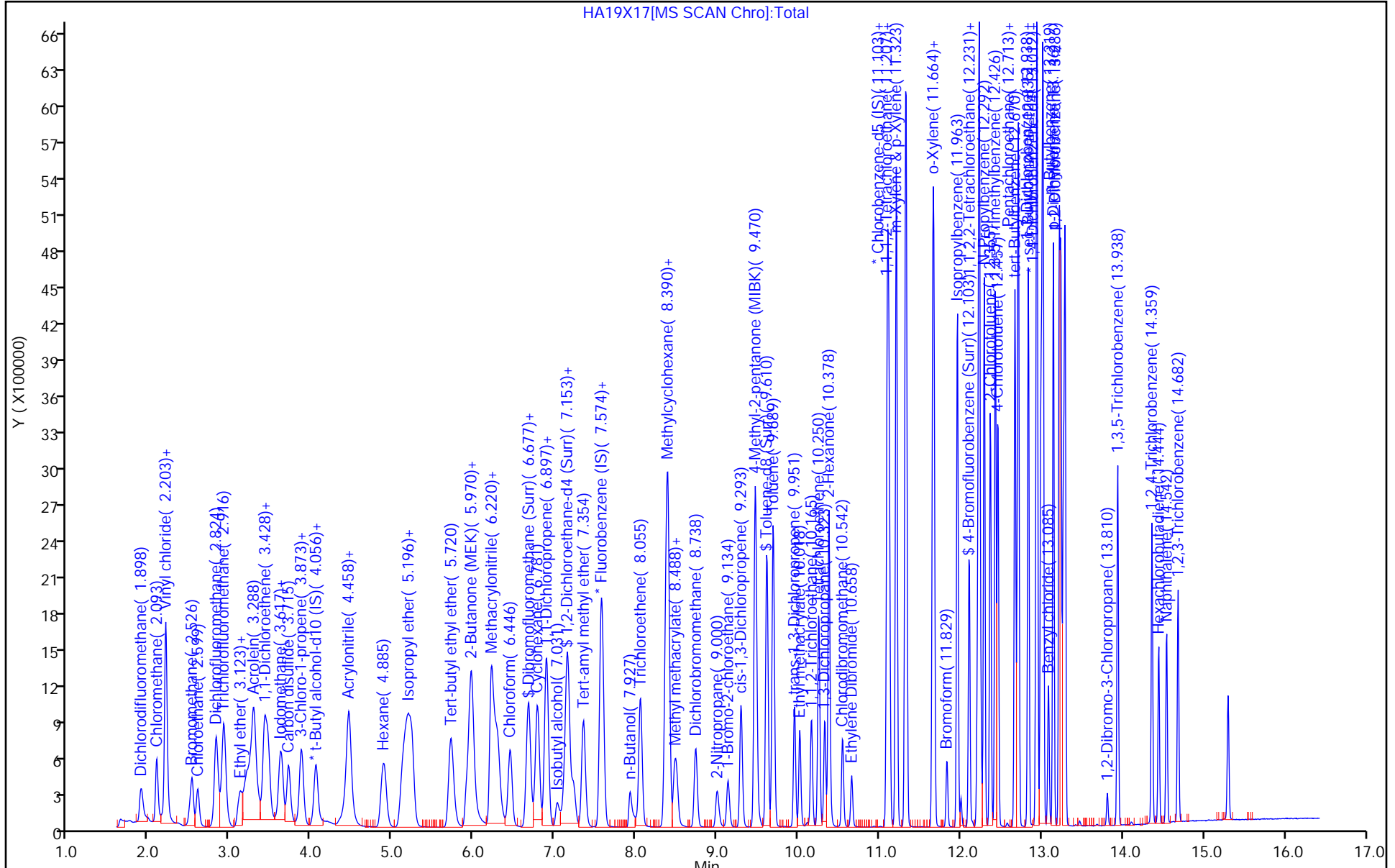
ALS Bottle#: 17

Method: MSV_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

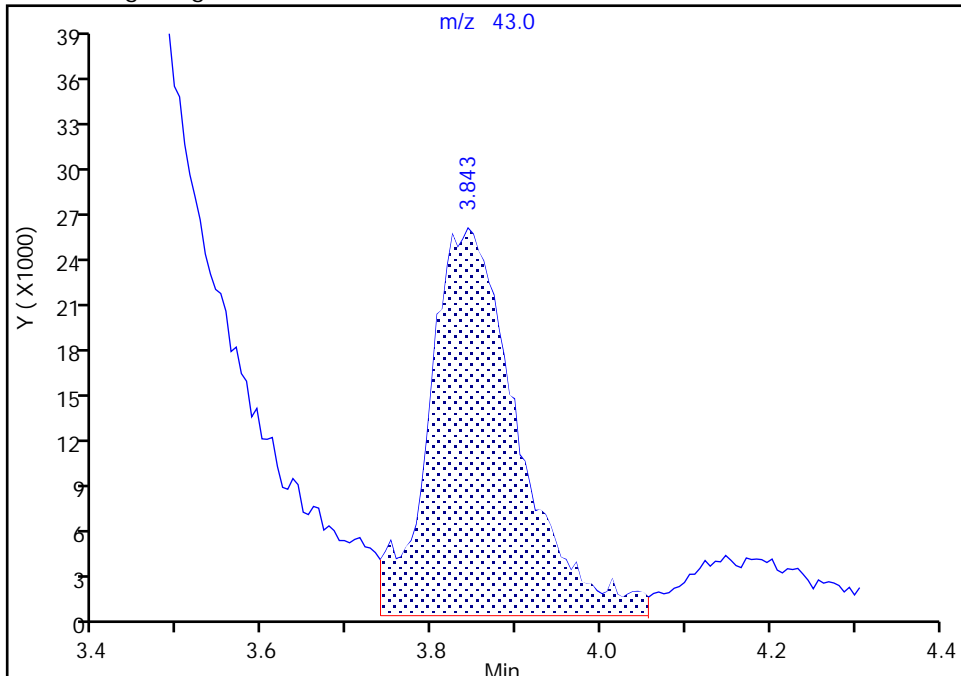
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Injection Date: 19-Apr-2023 23:21:30 Instrument ID: 19094
Lims ID: ICIS 10
Client ID:
Operator ID: mec29284 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

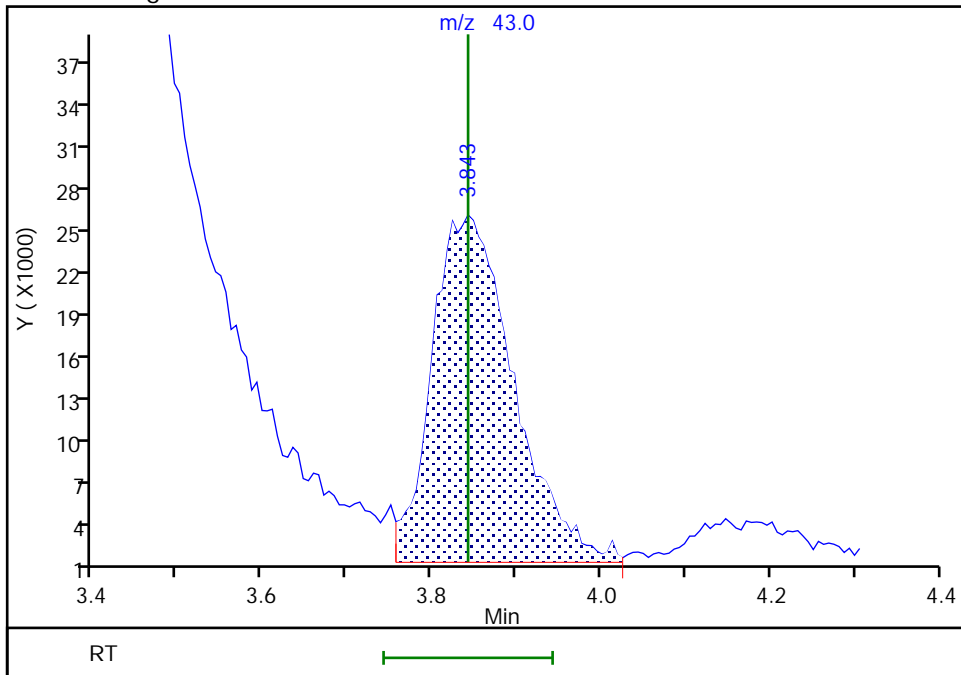
RT: 3.84
Area: 182783
Amount: 10.038121
Amount Units: ug/l

Processing Integration Results



RT: 3.84
Area: 160403
Amount: 9.252081
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:39:34
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

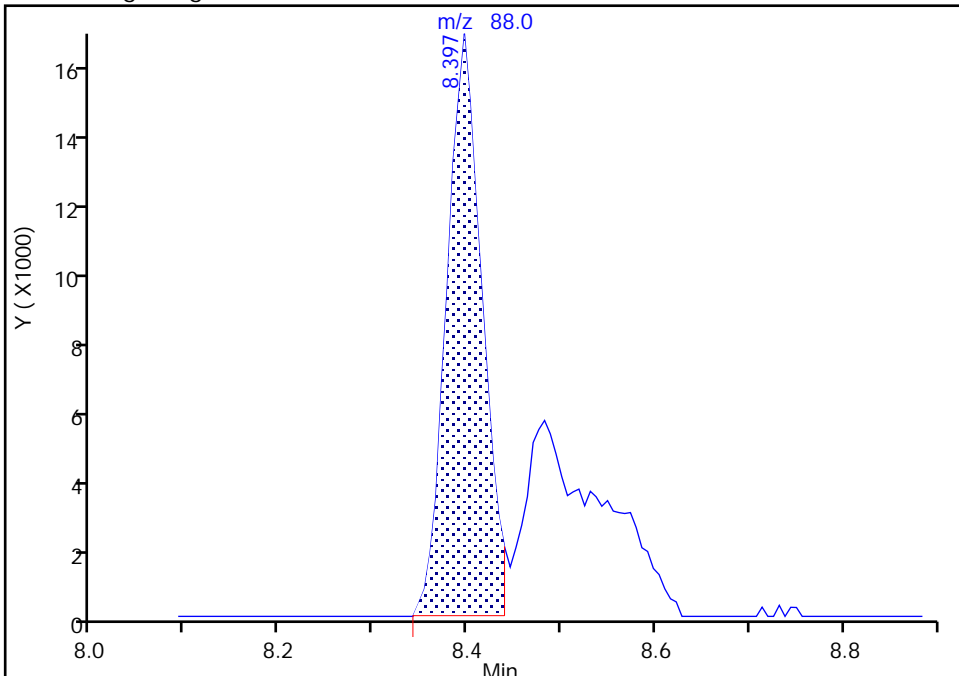
Data File:	\\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X17.D		
Injection Date:	19-Apr-2023 23:21:30	Instrument ID:	19094
Lims ID:	ICIS 10		
Client ID:			
Operator ID:	mec29284	ALS Bottle#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D
Column:	Rxi-624Sil MS Capillary Column (0.25mm ID)	Detector:	MS Quad
		Worklist Smp#:	18

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

Signal: 1

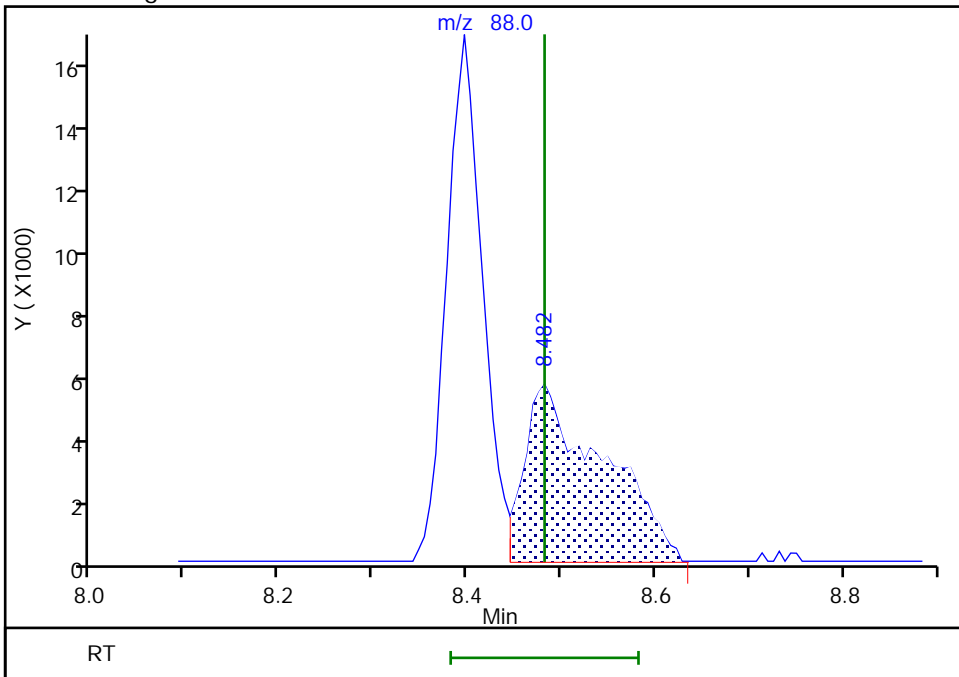
RT: 8.40
 Area: 43482
 Amount: 590.6202
 Amount Units: ug/l

Processing Integration Results



RT: 8.48
 Area: 32409
 Amount: 462.8153
 Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:40:04
 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\20230419-81852.b\HA19X18.D
 Lims ID: IC std7 25
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 19-Apr-2023 23:41:30 ALS Bottle#: 18 Worklist Smp#: 19
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0081852-019
 Operator ID: mec29284 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 23-Apr-2023 20:35:20 Calib Date: 19-Apr-2023 23:41:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1665

First Level Reviewer: K4WN

Date: 23-Apr-2023 19:45:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.898	1.898	0.000	100	1534246	25.0	23.3	M
5 Chloromethane	50	2.093	2.093	0.000	99	2014037	25.0	23.1	
6 Vinyl chloride	62	2.203	2.203	0.000	97	1921148	25.0	23.6	
7 Butadiene	39	2.203	2.203	0.000	91	1824970	25.0	21.8	
9 Bromomethane	94	2.526	2.526	0.000	90	1198943	25.0	23.6	
10 Chloroethane	64	2.599	2.599	0.000	100	1076714	25.0	23.6	
11 Dichlorofluoromethane	67	2.824	2.824	0.000	97	2494422	25.0	22.8	
12 Trichlorofluoromethane	101	2.904	2.904	0.000	98	2253491	25.0	24.4	
14 Ethyl ether	59	3.123	3.117	0.006	92	883832	25.0	23.7	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.209	3.202	0.007	94	1608567	25.0	22.4	
16 Acrolein	56	3.288	3.288	0.000	100	5624213	1250.0	1106.9	
17 1,1-Dichloroethene	96	3.422	3.422	0.000	97	1104927	25.0	24.3	
19 Acetone	43	3.459	3.446	0.012	99	1038749	250.0	204.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.465	3.465	0.000	93	1147974	25.0	26.9	
21 Iodomethane	142	3.611	3.611	0.000	99	2064892	25.0	25.2	
22 Ethyl bromide	108	3.635	3.635	0.000	98	1030409	25.0	24.2	
23 Carbon disulfide	76	3.721	3.715	0.006	99	3273647	25.0	25.4	
24 Methyl acetate	43	3.843	3.843	0.000	98	351365	25.0	20.7	M
26 3-Chloro-1-propene	41	3.879	3.873	0.006	93	2020271	25.0	25.1	
* 28 t-Butyl alcohol-d10 (IS)	65	4.062	4.050	0.012	99	76932	50.0	50.0	
27 Methylene Chloride	84	4.056	4.050	0.006	94	1168187	25.0	24.3	
29 2-Methyl-2-propanol	59	4.184	4.190	-0.006	99	664962	500.0	448.0	
31 Acrylonitrile	53	4.385	4.373	0.012	98	448719	62.5	58.7	
32 Methyl tert-butyl ether	73	4.452	4.452	0.000	95	2636429	25.0	24.2	
33 trans-1,2-Dichloroethene	96	4.464	4.458	0.006	98	1230308	25.0	24.2	
34 Hexane	57	4.891	4.885	0.006	92	1609642	25.0	26.0	
36 1,1-Dichloroethane	63	5.123	5.123	0.000	96	2413514	25.0	25.2	
37 Isopropyl ether	45	5.184	5.178	0.006	95	4090868	25.0	24.5	
38 2-Chloro-1,3-butadiene	53	5.239	5.239	0.000	91	2078698	25.0	24.9	
40 Tert-butyl ethyl ether	59	5.726	5.720	0.006	98	3584711	25.0	24.4	
41 2-Butanone (MEK)	43	5.909	5.909	0.000	100	2308325	250.0	226.4	

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	5.964	5.958	0.006	84	1340829	25.0	24.2	
43 2,2-Dichloropropane	77	5.982	5.976	0.006	89	1875167	25.0	23.7	
44 Propionitrile	54	5.995	5.995	0.000	99	1144640	500.0	438.7	
S 46 1,2-Dichloroethene, Total	100				0			48.4	
47 Methacrylonitrile	67	6.220	6.220	0.000	92	2545195	250.0	215.9	
48 Chlorobromomethane	128	6.293	6.299	-0.006	95	514920	25.0	25.0	
49 Tetrahydrofuran	71	6.299	6.299	0.000	90	307505	125.0	111.2	
50 Chloroform	83	6.446	6.446	0.000	93	2226938	25.0	24.3	
\$ 52 Dibromofluoromethane (Surr)	113	6.665	6.665	0.000	93	470672	10.0	9.94	
53 1,1,1-Trichloroethane	97	6.683	6.677	0.006	99	1986785	25.0	24.4	
54 Cyclohexane	56	6.787	6.781	0.006	92	2235456	25.0	25.7	
55 1,1-Dichloropropene	75	6.897	6.897	0.000	95	1815287	25.0	25.7	
56 Carbon tetrachloride	117	6.897	6.897	0.000	91	1765238	25.0	25.8	
57 Isobutyl alcohol	41	7.031	7.031	0.000	95	618236	1250.0	1038.2	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.116	7.116	0.000	96	85640	10.0	9.71	
59 Benzene	78	7.159	7.159	0.000	96	5259098	25.0	25.2	
60 1,2-Dichloroethane	62	7.226	7.226	0.000	97	1240685	25.0	24.4	
63 Tert-amyl methyl ether	73	7.354	7.354	0.000	98	3016082	25.0	24.5	
* 64 Fluorobenzene (IS)	96	7.574	7.567	0.007	99	1993554	10.0	10.0	
65 n-Heptane	43	7.586	7.586	0.000	94	1512707	25.0	26.1	
67 n-Butanol	56	7.927	7.927	0.000	89	892759	2187.5	2068.0	
68 Trichloroethene	95	8.055	8.049	0.006	99	1398978	25.0	25.1	
69 Methylcyclohexane	83	8.366	8.366	0.000	93	2190578	25.0	26.6	
70 1,2-Dichloropropane	63	8.390	8.390	0.000	88	1368707	25.0	25.3	
71 2-ethoxy-2-methyl butane	87	8.397	8.397	0.000	90	1914612	25.0	25.1	
72 Methyl methacrylate	69	8.470	8.470	0.000	92	533478	25.0	24.2	
73 1,4-Dioxane	88	8.482	8.482	0.000	28	86474	1250.0	1260.3	a
74 Dibromomethane	93	8.500	8.494	0.006	97	538614	25.0	24.5	
76 Dichlorobromomethane	83	8.738	8.732	0.006	99	1595722	25.0	24.7	
77 2-Nitropropane	41	9.000	9.000	0.000	97	710007	125.0	105.9	
79 1-Bromo-2-chloroethane	63	9.134	9.134	0.000	99	1213607	25.0	24.0	
80 cis-1,3-Dichloropropene	75	9.293	9.293	0.000	97	1973868	25.0	25.7	
82 4-Methyl-2-pentanone (MIBK)	43	9.470	9.470	0.000	97	6580651	250.0	226.5	
\$ 83 Toluene-d8 (Surr)	98	9.616	9.610	0.006	94	2002074	10.0	10.0	
84 Toluene	92	9.689	9.689	0.000	98	3316926	25.0	25.1	
85 trans-1,3-Dichloropropene	75	9.951	9.951	0.000	93	1577560	25.0	25.8	
104 Ethyl methacrylate	69	10.018	10.018	0.000	89	1152324	25.0	24.7	
S 105 1,3-Dichloropropene, Total	100				0			51.6	
106 1,1,2-Trichloroethane	97	10.165	10.165	0.001	90	790858	25.0	23.5	
107 Tetrachloroethene	166	10.256	10.256	0.000	98	1512270	25.0	25.9	
108 1,3-Dichloropropane	76	10.329	10.329	0.000	90	1393771	25.0	24.8	
109 2-Hexanone	43	10.378	10.378	0.000	97	4447274	250.0	231.0	
111 Chlorodibromomethane	129	10.549	10.549	0.000	90	1046745	25.0	25.5	
112 Ethylene Dibromide	107	10.658	10.658	0.000	99	745028	25.0	24.7	
* 113 Chlorobenzene-d5 (IS)	117	11.097	11.091	0.006	87	1471953	10.0	10.0	
114 1-Chlorohexane	91	11.103	11.103	0.000	98	1975227	25.0	24.8	
115 Chlorobenzene	112	11.122	11.122	0.000	97	3594835	25.0	25.1	
116 1,1,1,2-Tetrachloroethane	131	11.207	11.207	0.000	97	1246196	25.0	25.2	
117 Ethylbenzene	91	11.213	11.207	0.006	99	6580100	25.0	25.3	
S 118 Xylenes, Total	106				0			76.8	
119 m-Xylene & p-Xylene	106	11.329	11.329	0.000	99	5000973	50.0	51.3	
120 o-Xylene	106	11.658	11.658	0.000	97	2419441	25.0	25.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 Styrene	104	11.676	11.670	0.006	95	3972660	25.0	25.4	
122 Bromoform	173	11.835	11.835	0.000	98	615440	25.0	25.7	
123 Isopropylbenzene	105	11.963	11.963	0.000	96	6505402	25.0	25.5	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.103	12.103	0.000	89	725645	10.0	9.99	
127 1,1,2,2-Tetrachloroethane	83	12.207	12.207	0.000	92	969172	25.0	23.2	
128 Bromobenzene	156	12.225	12.219	0.006	97	1396862	25.0	25.3	
129 trans-1,4-Dichloro-2-butene	53	12.231	12.231	0.000	91	2312520	250.0	249.9	
130 1,2,3-Trichloropropane	110	12.256	12.256	0.000	83	234344	25.0	23.8	
131 N-Propylbenzene	91	12.292	12.292	0.000	99	7795652	25.0	25.6	
132 2-Chlorotoluene	126	12.371	12.365	0.006	97	1505528	25.0	25.8	
133 1,3,5-Trimethylbenzene	105	12.426	12.426	0.000	94	5499441	25.0	25.8	
134 4-Chlorotoluene	126	12.463	12.463	0.000	97	1532440	25.0	25.7	
135 tert-Butylbenzene	134	12.670	12.670	0.000	93	1194054	25.0	25.9	
136 Pentachloroethane	167	12.707	12.707	0.000	94	980542	25.0	26.0	
137 1,2,4-Trimethylbenzene	105	12.713	12.713	0.000	97	5638811	25.0	26.2	
138 sec-Butylbenzene	105	12.835	12.835	0.000	94	7043767	25.0	26.4	
139 1,3-Dichlorobenzene	146	12.932	12.932	0.000	98	2928653	25.0	25.8	
140 4-Isopropyltoluene	119	12.944	12.944	0.000	97	6030062	25.0	26.5	
* 141 1,4-Dichlorobenzene-d4	152	12.993	12.993	0.000	94	795283	10.0	10.0	
142 1,4-Dichlorobenzene	146	13.012	13.012	0.000	94	2757148	25.0	25.7	
143 1,2,3-Trimethylbenzene	120	13.018	13.018	0.000	99	2368607	25.0	25.5	
144 Benzyl chloride	126	13.085	13.085	0.000	99	379203	25.0	25.1	
145 p-Diethylbenzene	119	13.146	13.146	0.000	91	3567746	25.0	26.6	
146 n-Butylbenzene	92	13.237	13.237	0.000	98	2959276	25.0	27.2	
147 1,2-Dichlorobenzene	146	13.268	13.268	0.000	98	2555458	25.0	25.4	
149 1,2-Dibromo-3-Chloropropane	155	13.810	13.810	0.000	87	130897	25.0	26.7	
150 1,3,5-Trichlorobenzene	180	13.938	13.938	0.000	97	2138064	25.0	27.0	
151 1,2,4-Trichlorobenzene	180	14.359	14.359	0.000	94	1729336	25.0	27.3	
152 Hexachlorobutadiene	225	14.444	14.444	0.000	96	657077	25.0	27.7	
153 Naphthalene	128	14.542	14.542	0.000	97	2770049	25.0	26.5	
154 1,2,3-Trichlorobenzene	180	14.682	14.682	0.000	96	1371466	25.0	27.3	
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_00073	Amount Added: 25.00	Units: uL	
MSV_LL_GAS826_00145	Amount Added: 25.00	Units: uL	
MSV_LL_#2_826_00081	Amount Added: 25.00	Units: uL	
MSV_LLcentISS_00007	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D

Injection Date: 19-Apr-2023 23:41:30

Instrument ID: 19094

Operator ID: mec29284

Lims ID: IC std7 25

Worklist Smp#: 19

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

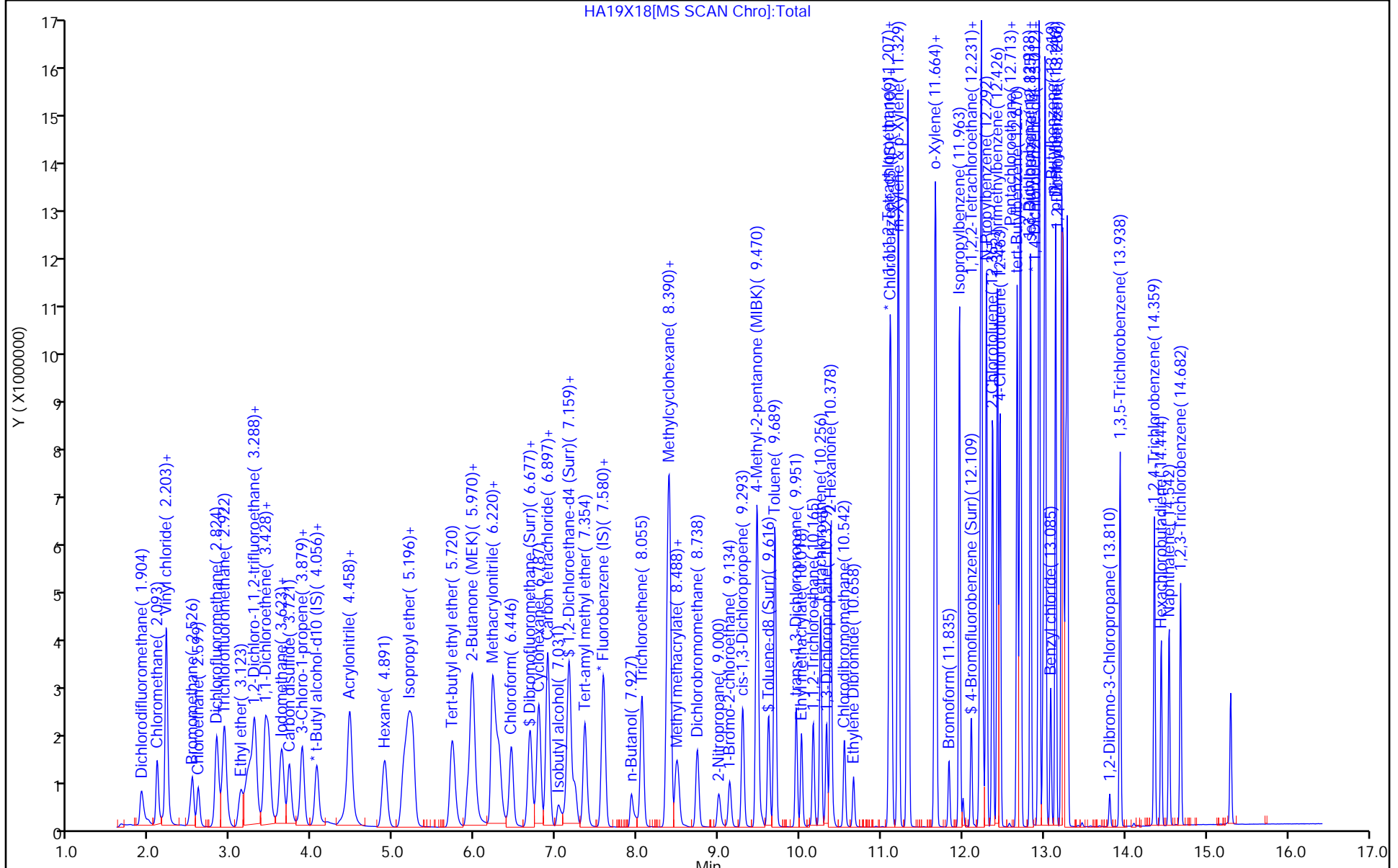
ALS Bottle#: 18

Method: MSV_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

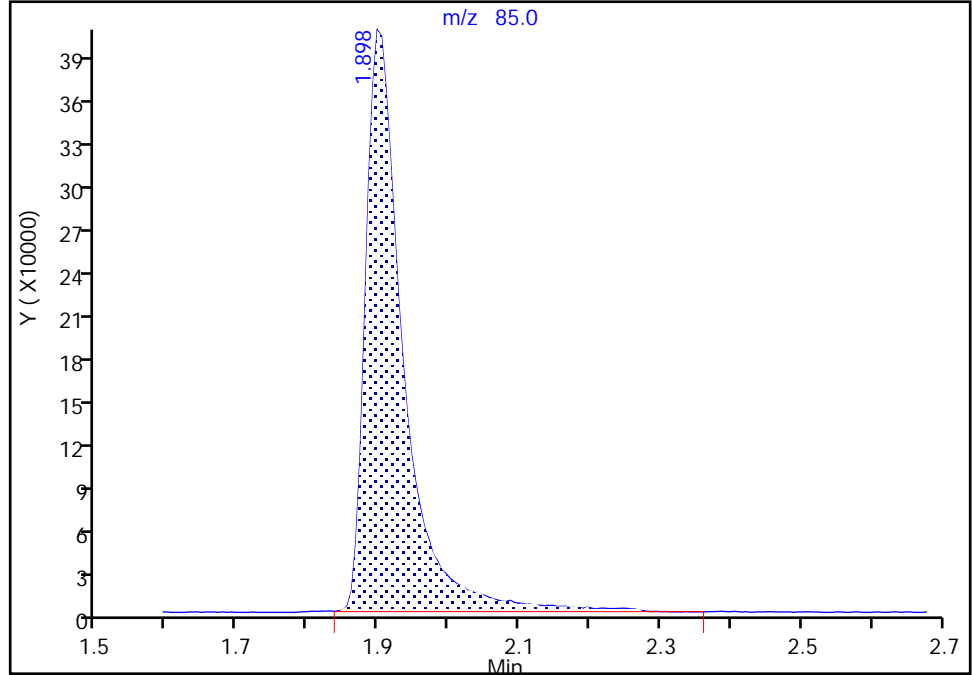
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
Injection Date: 19-Apr-2023 23:41:30 Instrument ID: 19094
Lims ID: IC std7 25
Client ID:
Operator ID: mec29284 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

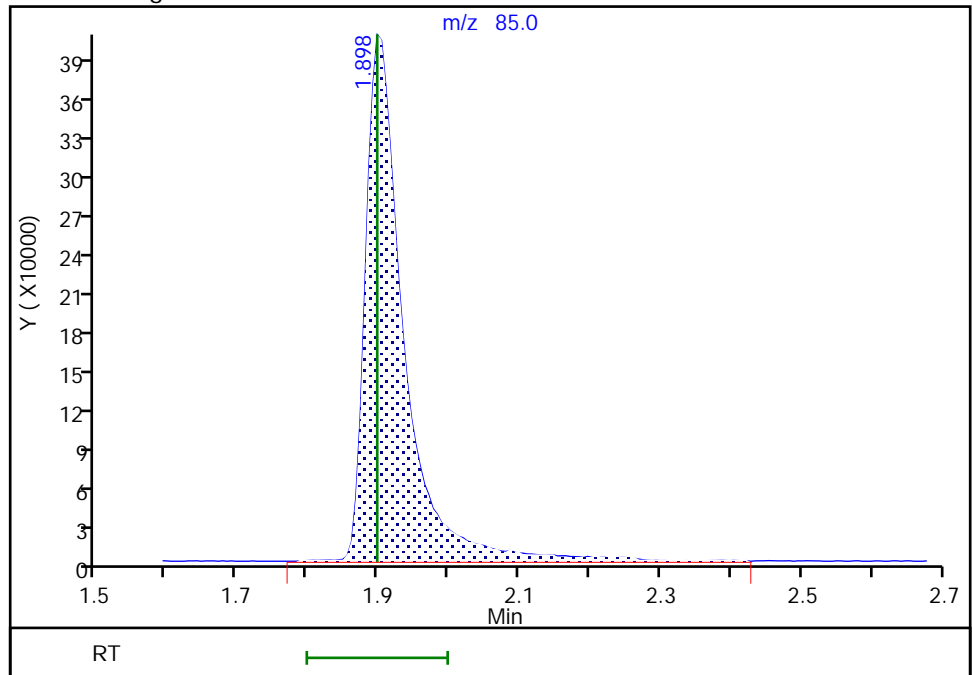
RT: 1.90
Area: 1524465
Amount: 24.858518
Amount Units: ug/l

Processing Integration Results



RT: 1.90
Area: 1534246
Amount: 23.251230
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:40:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

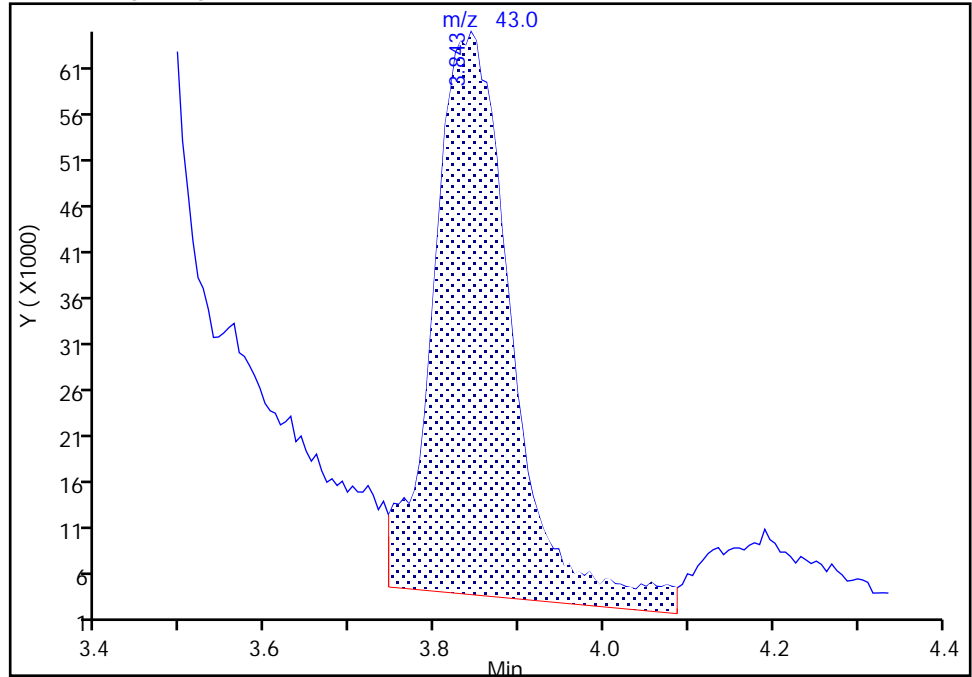
Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
Injection Date: 19-Apr-2023 23:41:30 Instrument ID: 19094
Lims ID: IC std7 25
Client ID:
Operator ID: mec29284 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

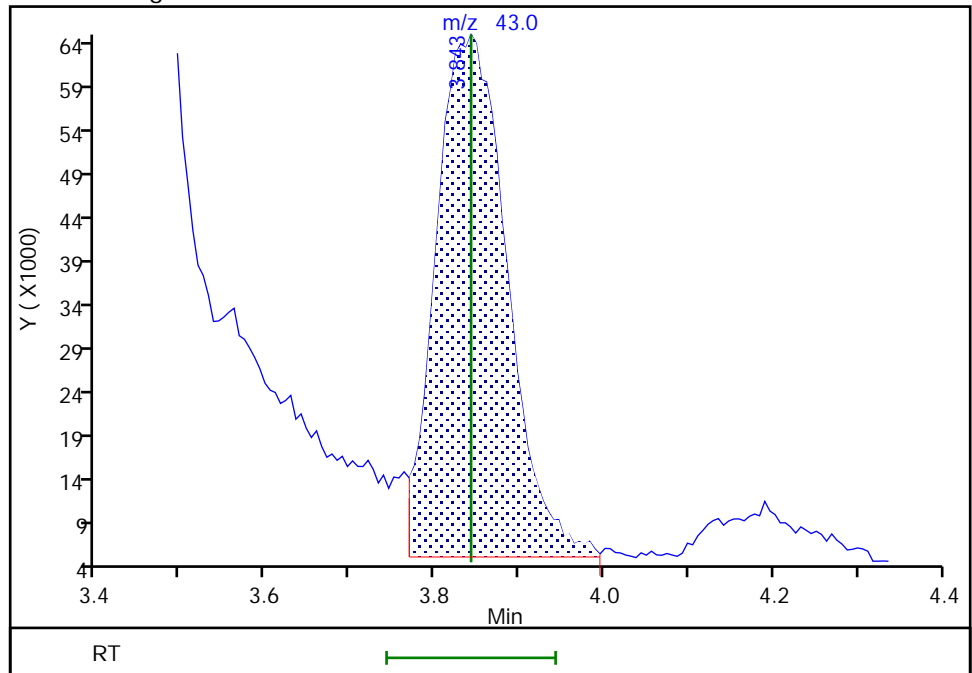
RT: 3.84
Area: 394085
Amount: 22.869415
Amount Units: ug/l

Processing Integration Results



RT: 3.84
Area: 351365
Amount: 20.683309
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:40:57
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

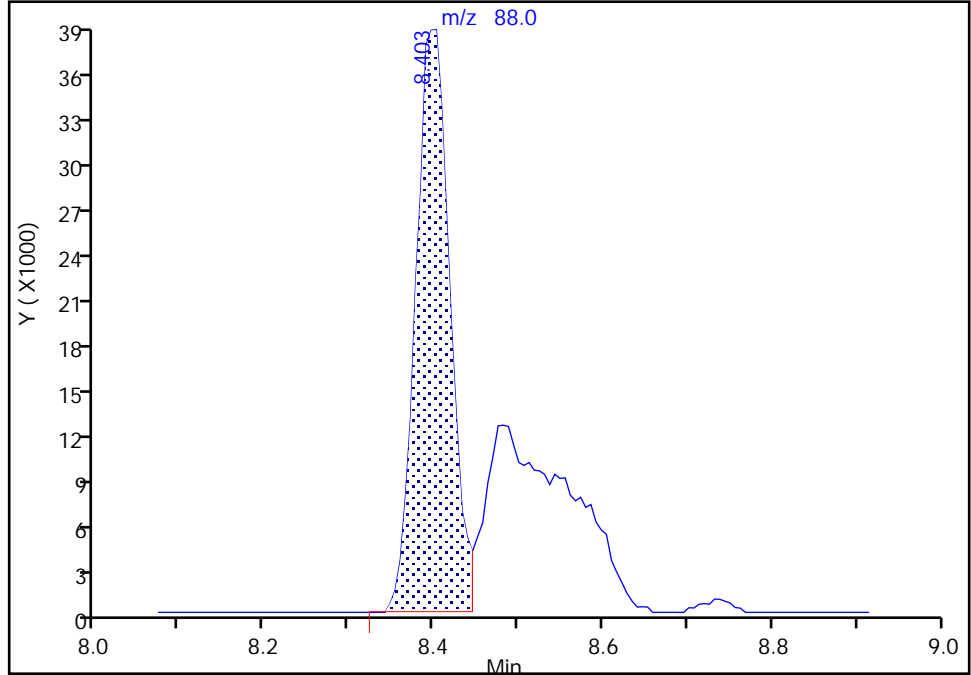
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Injection Date: 19-Apr-2023 23:41:30 Instrument ID: 19094
Lims ID: IC std7 25
Client ID:
Operator ID: mec29284 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

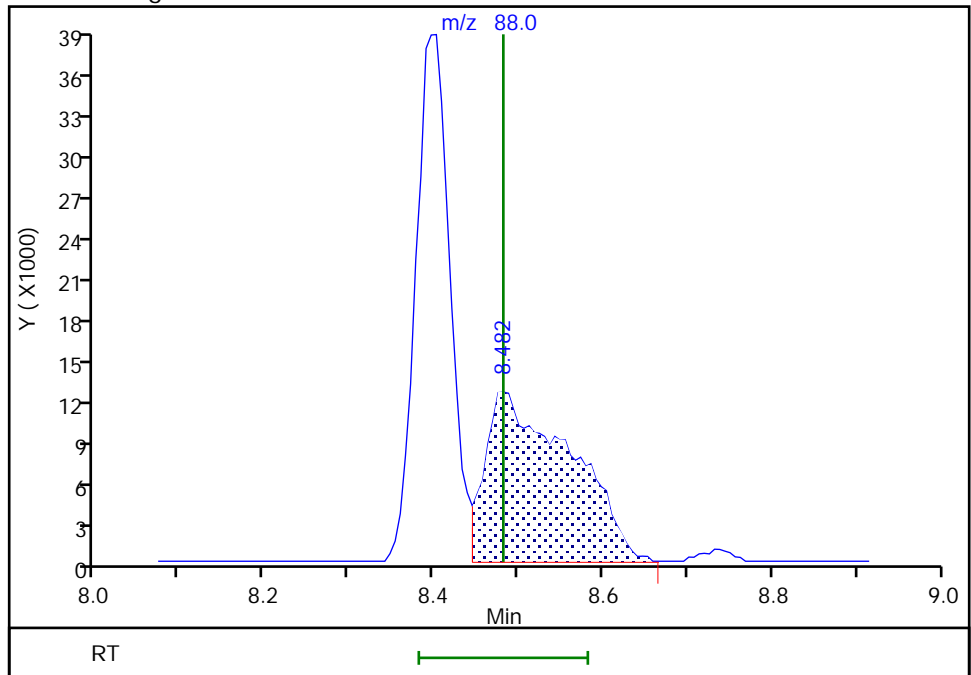
RT: 8.40
Area: 107501
Amount: 1513.6986
Amount Units: ug/l

Processing Integration Results



RT: 8.48
Area: 86474
Amount: 1260.2659
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 19:41:23
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Calibration

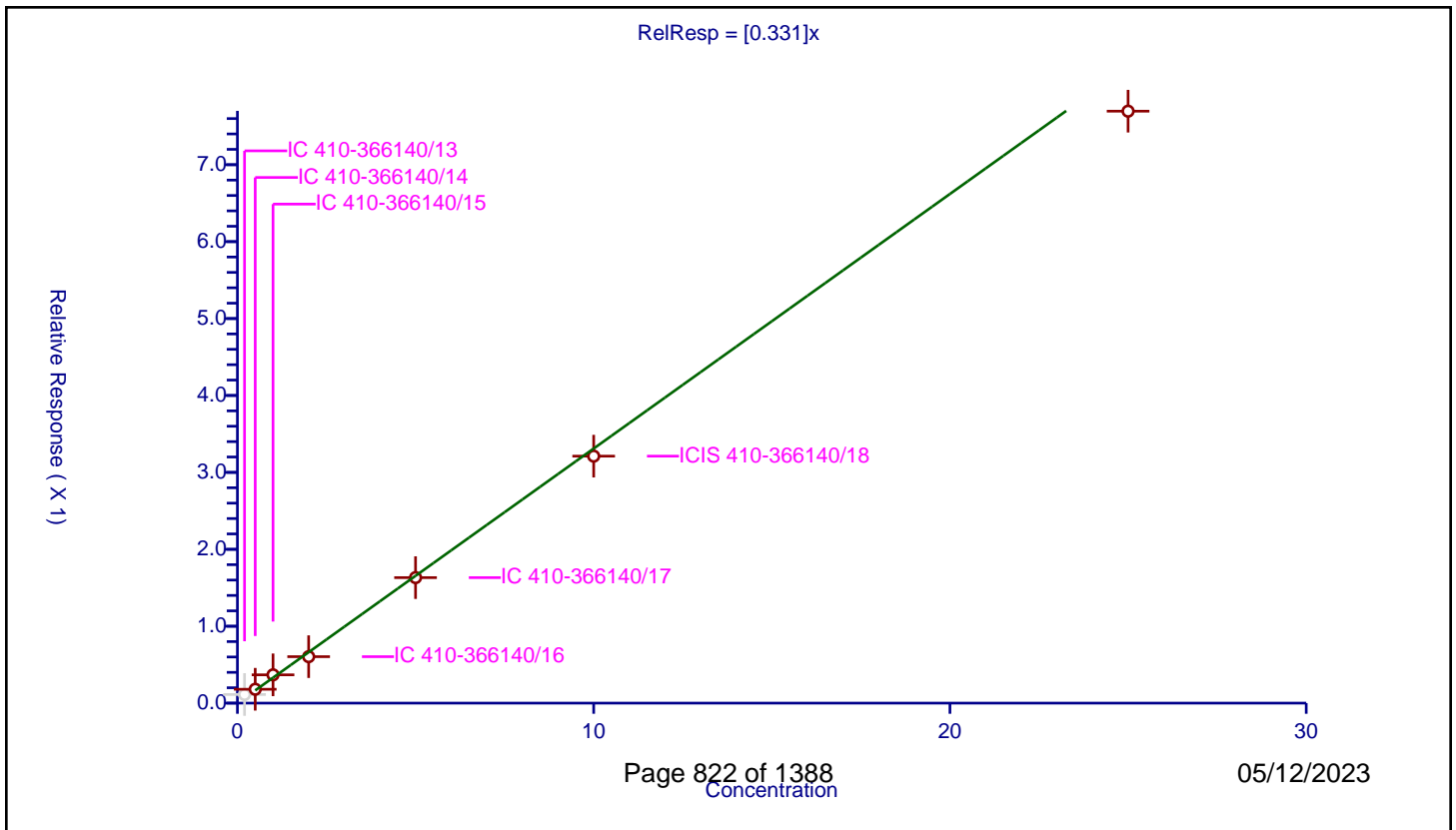
/ Dichlorodifluoromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.331

Error Coefficients	
Standard Error:	759000
Relative Standard Error:	8.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	0.2	0.112093	10.0	1905653.0	0.560464	N
2	IC 410-366140/14	0.5	0.180374	10.0	1908755.0	0.360748	Y
3	IC 410-366140/15	1.0	0.367787	10.0	1916682.0	0.367787	Y
4	IC 410-366140/16	2.0	0.604193	10.0	1921970.0	0.302096	Y
5	IC 410-366140/17	5.0	1.631958	10.0	1951110.0	0.326392	Y
6	ICIS 410-366140/18	10.0	3.211041	10.0	1983640.0	0.321104	Y
7	IC 410-366140/19	25.0	7.696034	10.0	1993554.0	0.307841	Y



Calibration

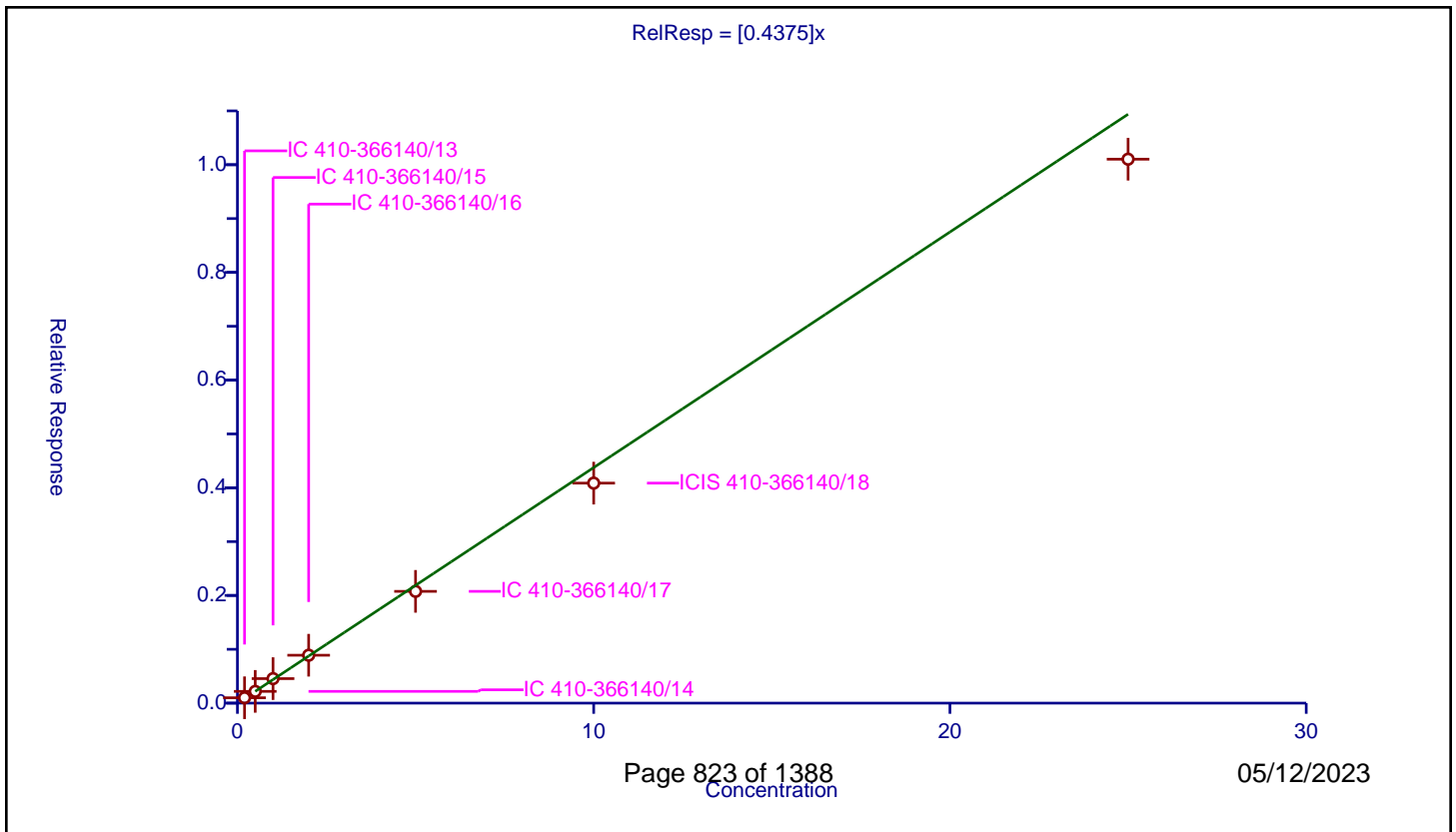
/ Chloromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4375

Error Coefficients	
Standard Error:	905000
Relative Standard Error:	7.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	0.2	0.09964	10.0	1905653.0	0.498202	Y
2	IC 410-366140/14	0.5	0.218163	10.0	1908755.0	0.436326	Y
3	IC 410-366140/15	1.0	0.45537	10.0	1916682.0	0.45537	Y
4	IC 410-366140/16	2.0	0.889488	10.0	1921970.0	0.444744	Y
5	IC 410-366140/17	5.0	2.075742	10.0	1951110.0	0.415148	Y
6	ICIS 410-366140/18	10.0	4.086175	10.0	1983640.0	0.408617	Y
7	IC 410-366140/19	25.0	10.102746	10.0	1993554.0	0.40411	Y



Calibration

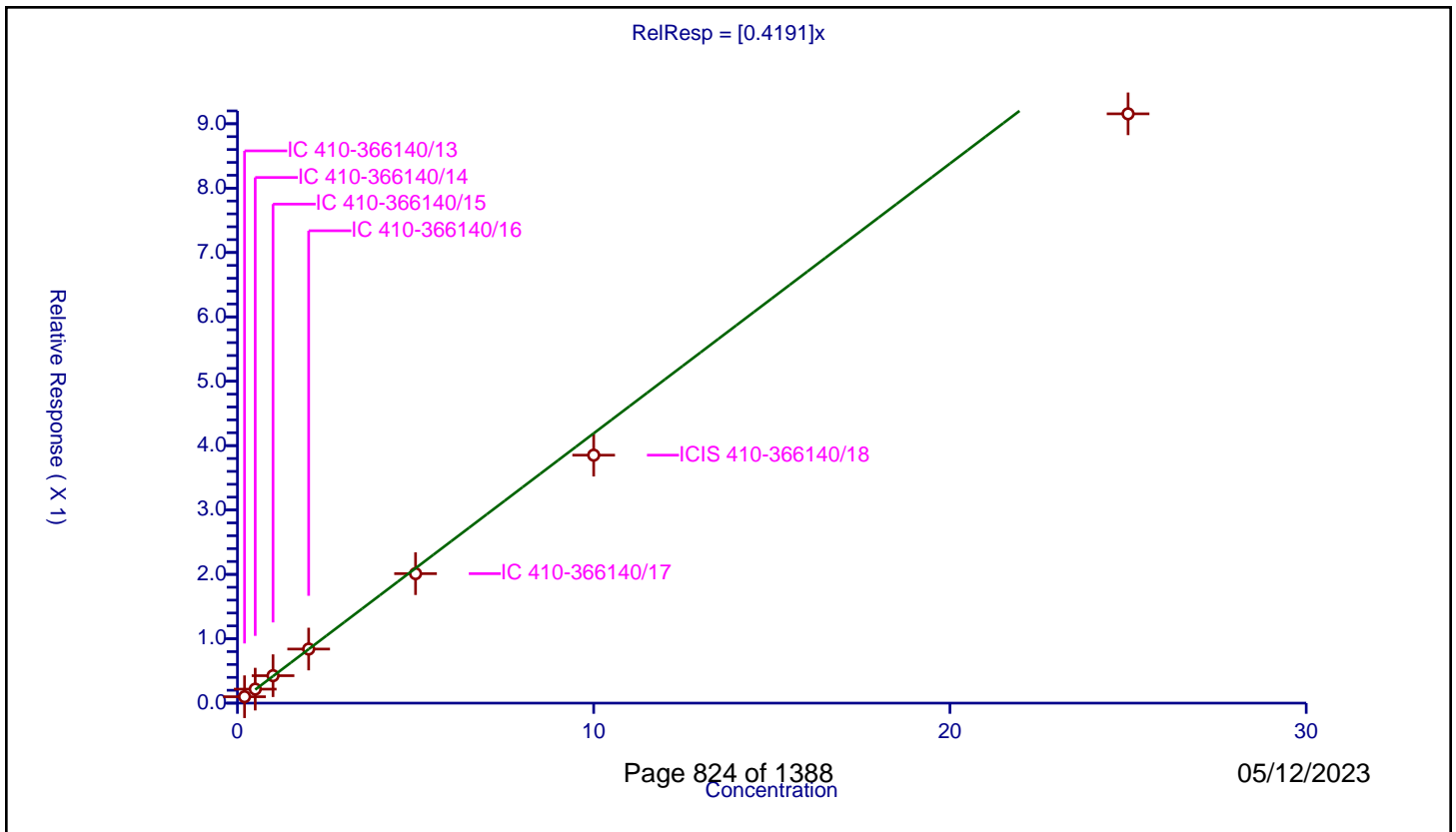
/ Butadiene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4191

Error Coefficients	
Standard Error:	827000
Relative Standard Error:	10.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	0.2	0.099667	10.0	1905653.0	0.498333	Y
2	IC 410-366140/14	0.5	0.217534	10.0	1908755.0	0.435069	Y
3	IC 410-366140/15	1.0	0.426372	10.0	1916682.0	0.426372	Y
4	IC 410-366140/16	2.0	0.840237	10.0	1921970.0	0.420118	Y
5	IC 410-366140/17	5.0	2.011506	10.0	1951110.0	0.402301	Y
6	ICIS 410-366140/18	10.0	3.851899	10.0	1983640.0	0.38519	Y
7	IC 410-366140/19	25.0	9.154354	10.0	1993554.0	0.366174	Y



Calibration

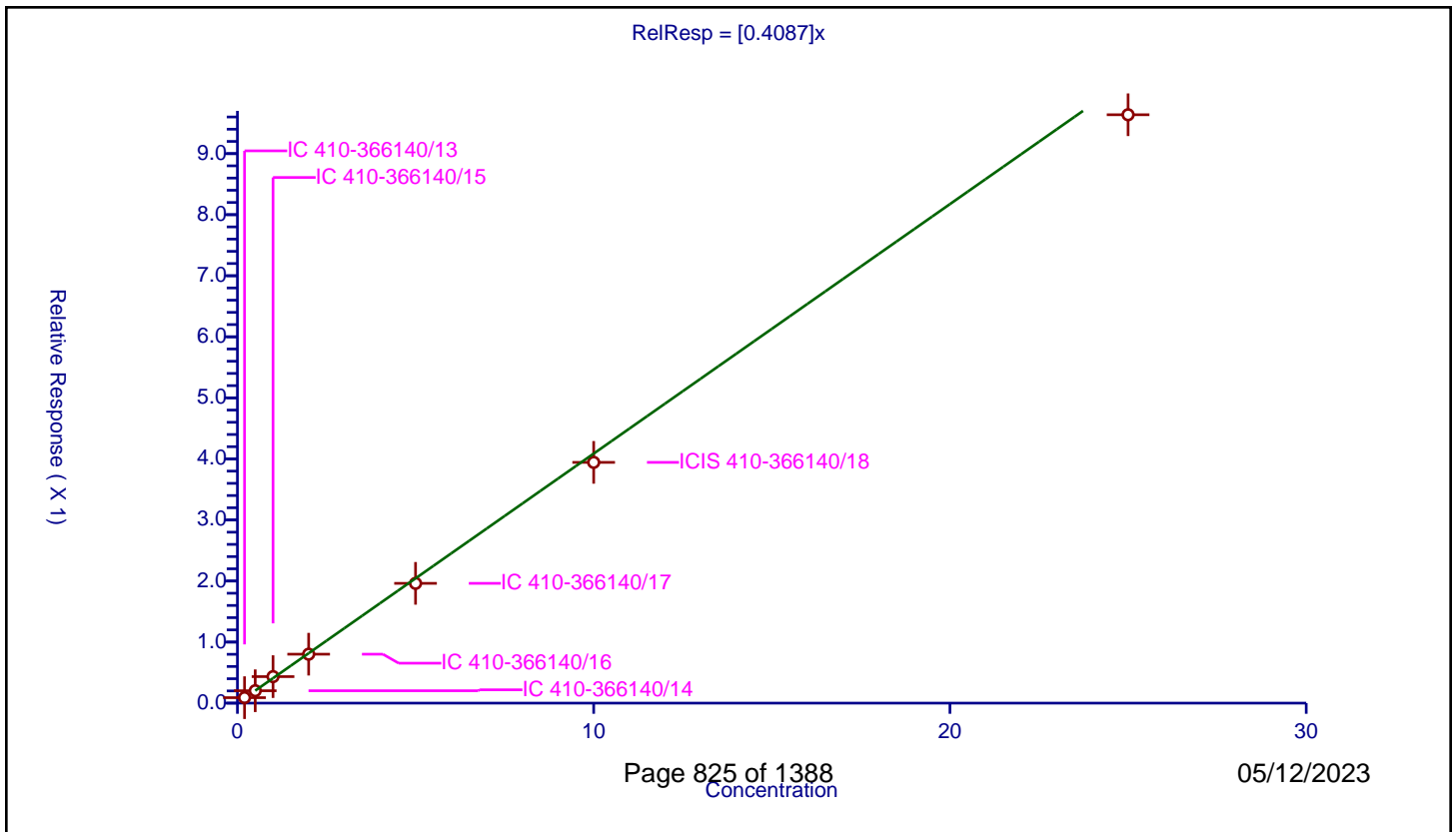
/ Vinyl chloride

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

Curve Coefficients	
Intercept:	0
Slope:	0.4087

Error Coefficients	
Standard Error:	864000
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 410-366140/13	0.2	0.089555	10.0	1905653.0	0.447773	Y
2	IC 410-366140/14	0.5	0.202902	10.0	1908755.0	0.405804	Y
3	IC 410-366140/15	1.0	0.43411	10.0	1916682.0	0.43411	Y
4	IC 410-366140/16	2.0	0.801677	10.0	1921970.0	0.400839	Y
5	IC 410-366140/17	5.0	1.961678	10.0	1951110.0	0.392336	Y
6	ICIS 410-366140/18	10.0	3.943331	10.0	1983640.0	0.394333	Y
7	IC 410-366140/19	25.0	9.636799	10.0	1993554.0	0.385472	Y



Calibration

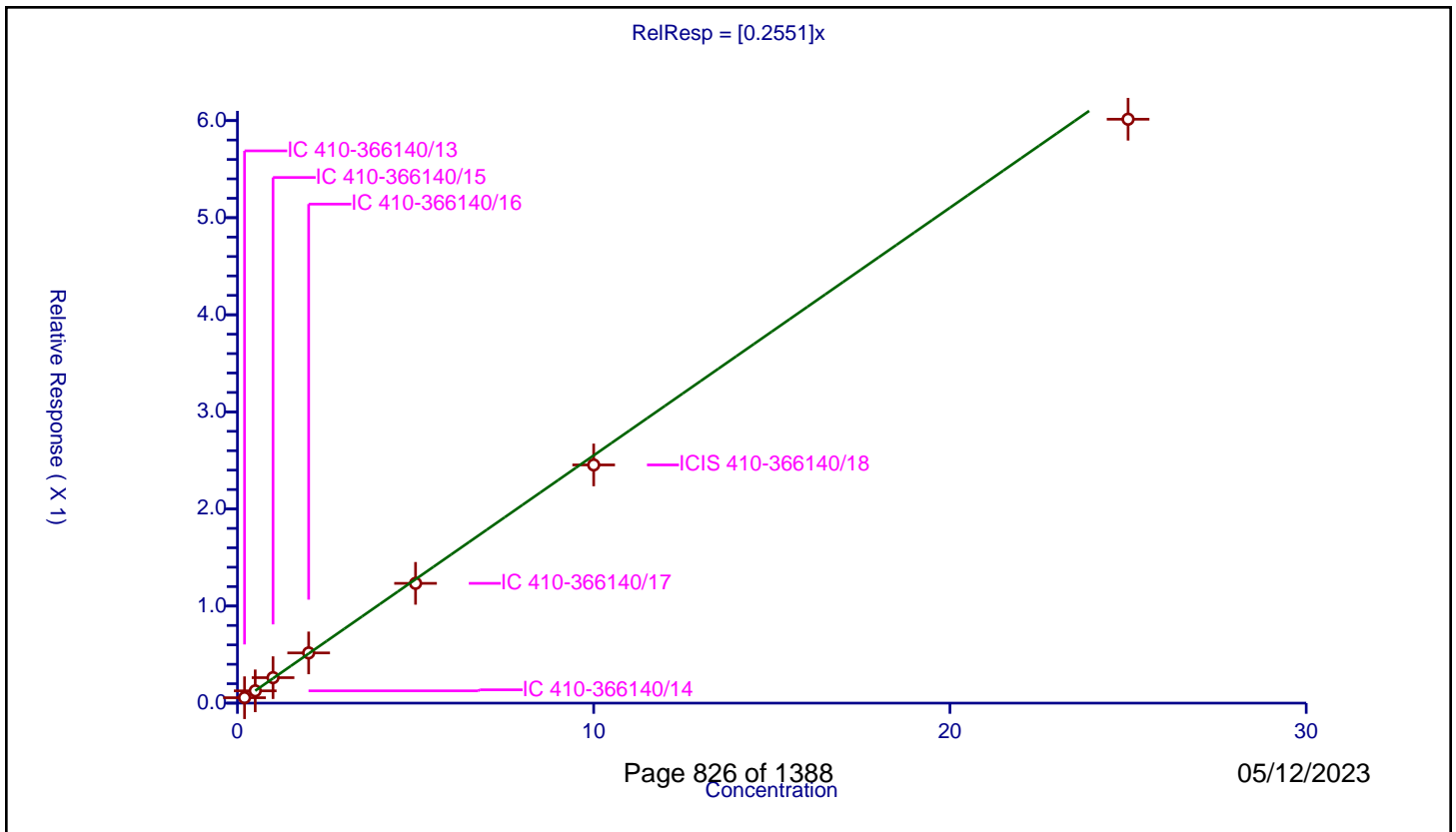
/ Bromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2551

Error Coefficients	
Standard Error:	539000
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 410-366140/13	0.2	0.055855	10.0	1905653.0	0.279274	Y
2	IC 410-366140/14	0.5	0.12647	10.0	1908755.0	0.25294	Y
3	IC 410-366140/15	1.0	0.262417	10.0	1916682.0	0.262417	Y
4	IC 410-366140/16	2.0	0.517339	10.0	1921970.0	0.258669	Y
5	IC 410-366140/17	5.0	1.233698	10.0	1951110.0	0.24674	Y
6	ICIS 410-366140/18	10.0	2.453394	10.0	1983640.0	0.245339	Y
7	IC 410-366140/19	25.0	6.014098	10.0	1993554.0	0.240564	Y



Calibration

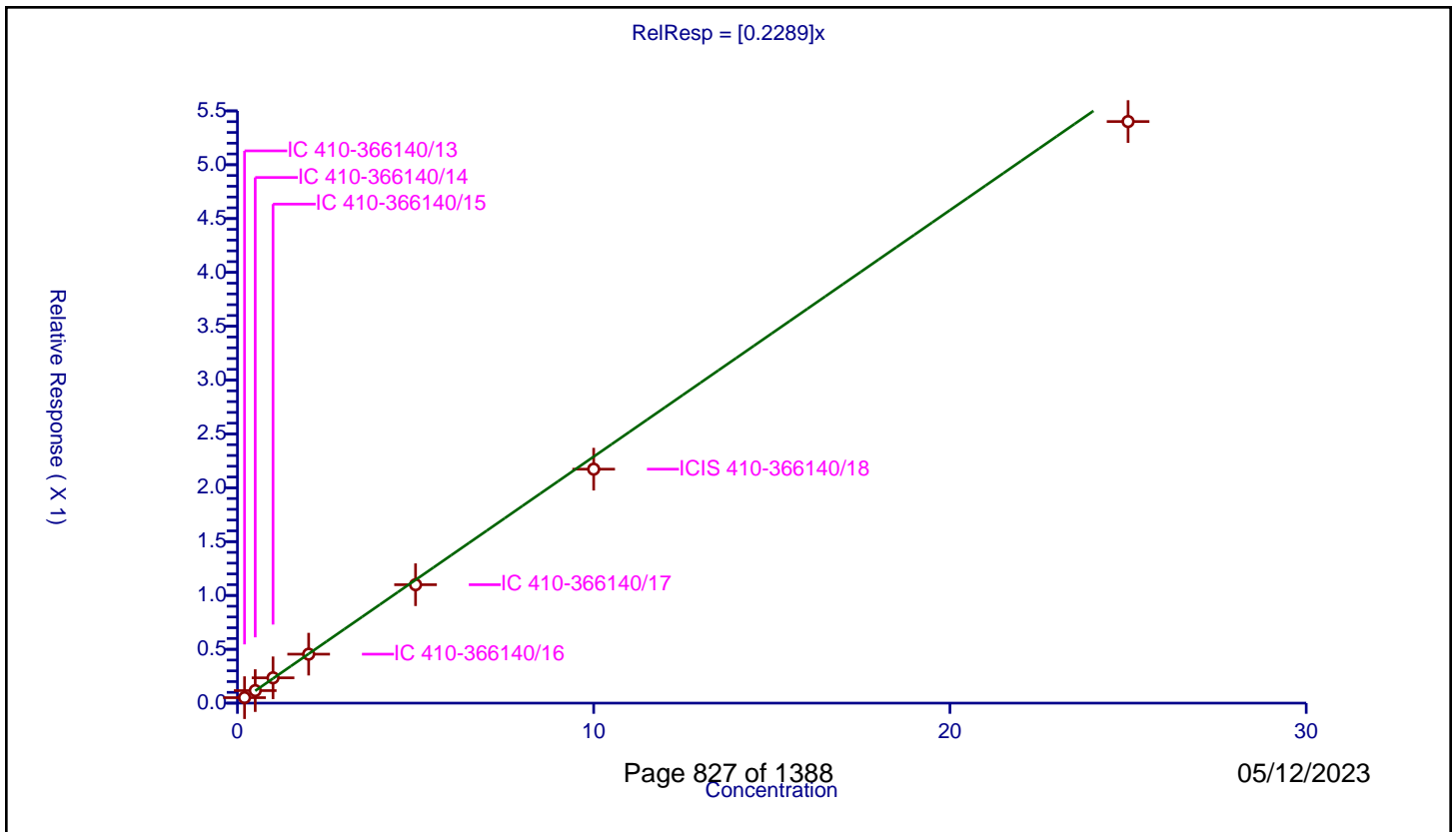
/ Chloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2289

Error Coefficients	
Standard Error:	483000
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 410-366140/13	0.2	0.050801	10.0	1905653.0	0.254007	Y
2	IC 410-366140/14	0.5	0.116285	10.0	1908755.0	0.23257	Y
3	IC 410-366140/15	1.0	0.235005	10.0	1916682.0	0.235005	Y
4	IC 410-366140/16	2.0	0.454742	10.0	1921970.0	0.227371	Y
5	IC 410-366140/17	5.0	1.099902	10.0	1951110.0	0.21998	Y
6	ICIS 410-366140/18	10.0	2.172728	10.0	1983640.0	0.217273	Y
7	IC 410-366140/19	25.0	5.400977	10.0	1993554.0	0.216039	Y



Calibration

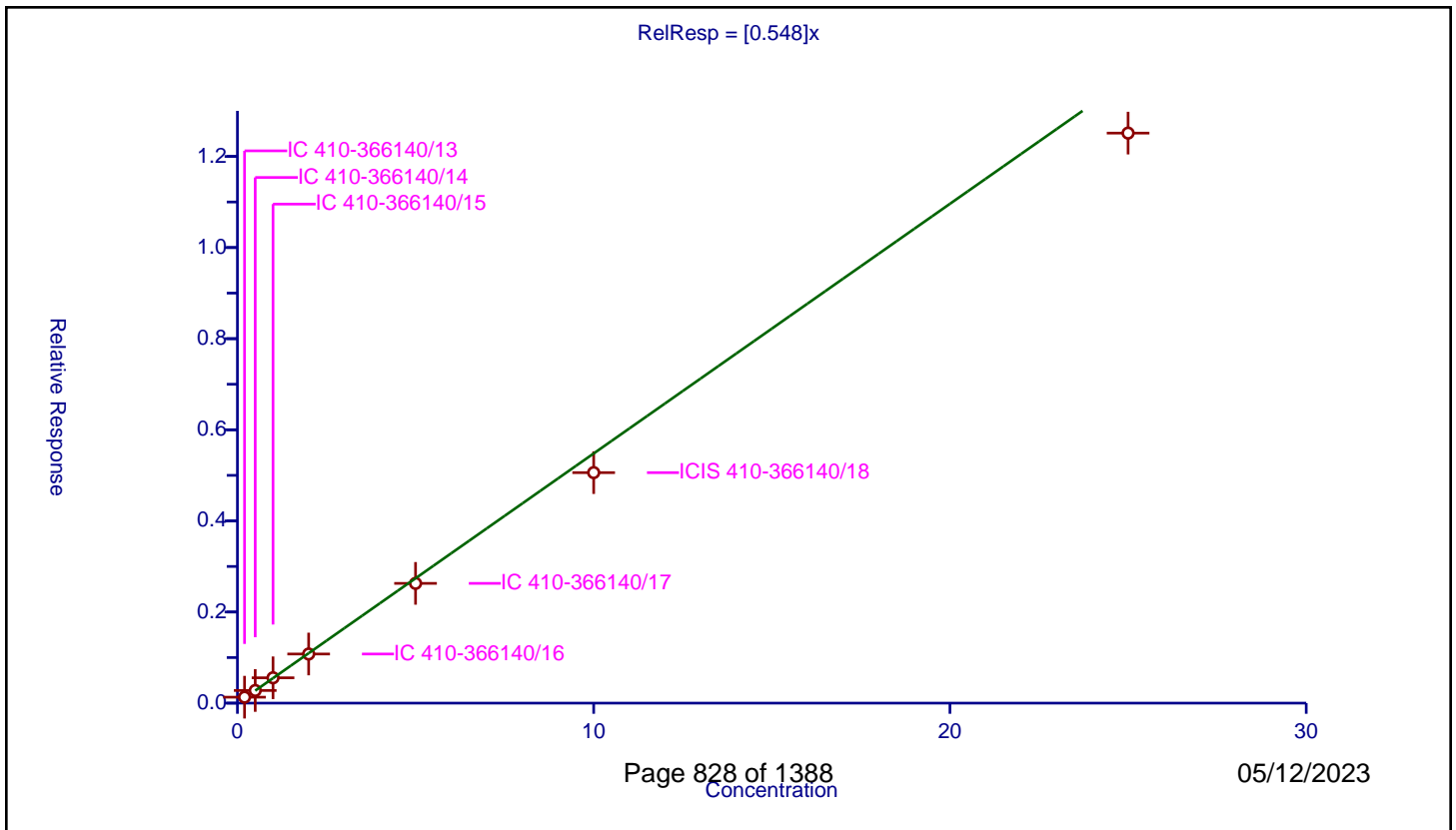
/ Dichlorofluoromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.548

Error Coefficients	
Standard Error:	1120000
Relative Standard Error:	9.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	0.2	0.130816	10.0	1905653.0	0.65408	Y
2	IC 410-366140/14	0.5	0.277212	10.0	1908755.0	0.554424	Y
3	IC 410-366140/15	1.0	0.556201	10.0	1916682.0	0.556201	Y
4	IC 410-366140/16	2.0	1.078394	10.0	1921970.0	0.539197	Y
5	IC 410-366140/17	5.0	2.628488	10.0	1951110.0	0.525698	Y
6	ICIS 410-366140/18	10.0	5.059693	10.0	1983640.0	0.505969	Y
7	IC 410-366140/19	25.0	12.512438	10.0	1993554.0	0.500498	Y



Calibration

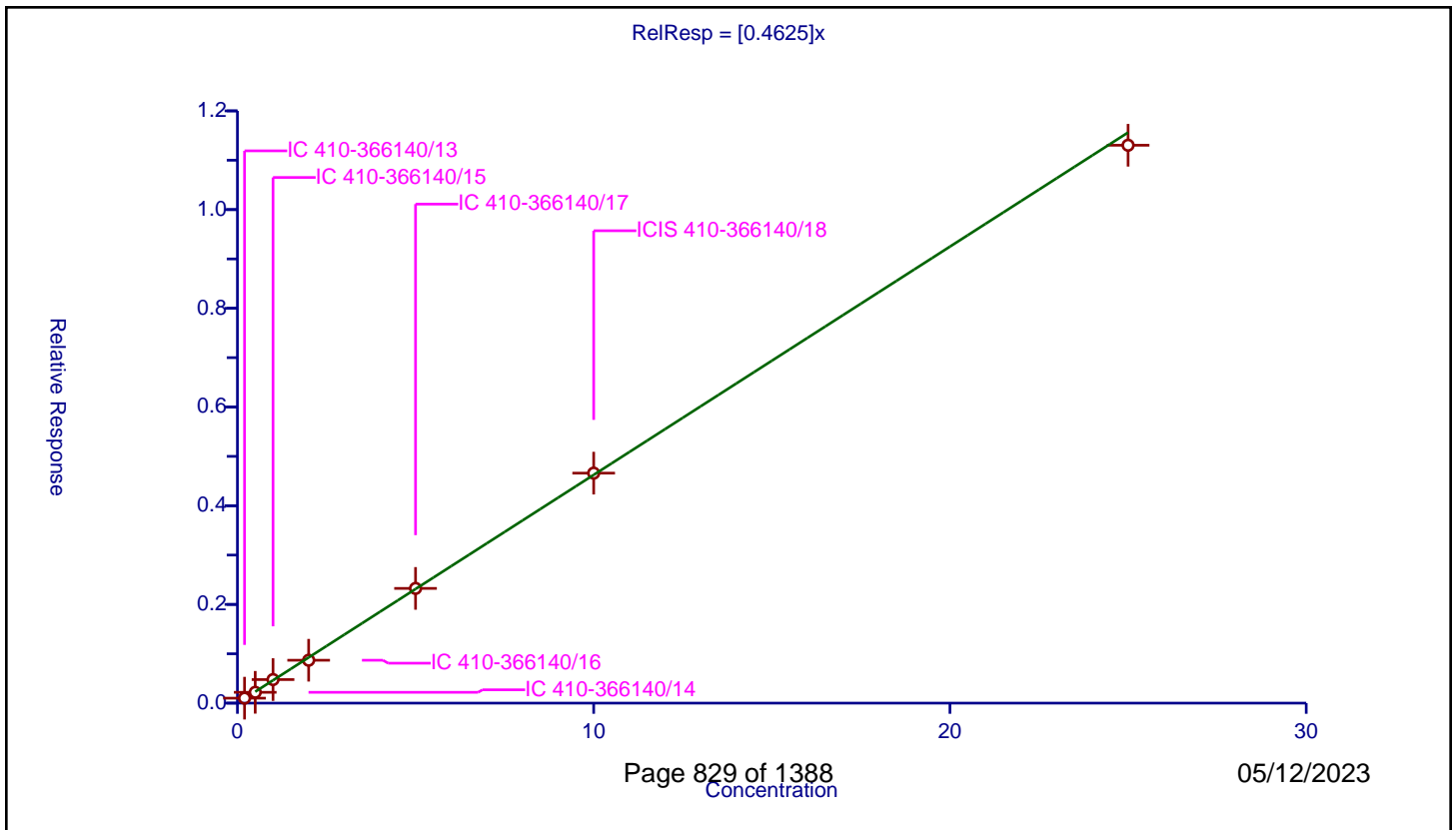
/ Trichlorofluoromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4625

Error Coefficients	
Standard Error:	1010000
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 410-366140/13	0.2	0.100706	10.0	1905653.0	0.503528	Y
2	IC 410-366140/14	0.5	0.219358	10.0	1908755.0	0.438715	Y
3	IC 410-366140/15	1.0	0.477539	10.0	1916682.0	0.477539	Y
4	IC 410-366140/16	2.0	0.869119	10.0	1921970.0	0.434559	Y
5	IC 410-366140/17	5.0	2.324523	10.0	1951110.0	0.464905	Y
6	ICIS 410-366140/18	10.0	4.660422	10.0	1983640.0	0.466042	Y
7	IC 410-366140/19	25.0	11.303887	10.0	1993554.0	0.452155	Y



Calibration

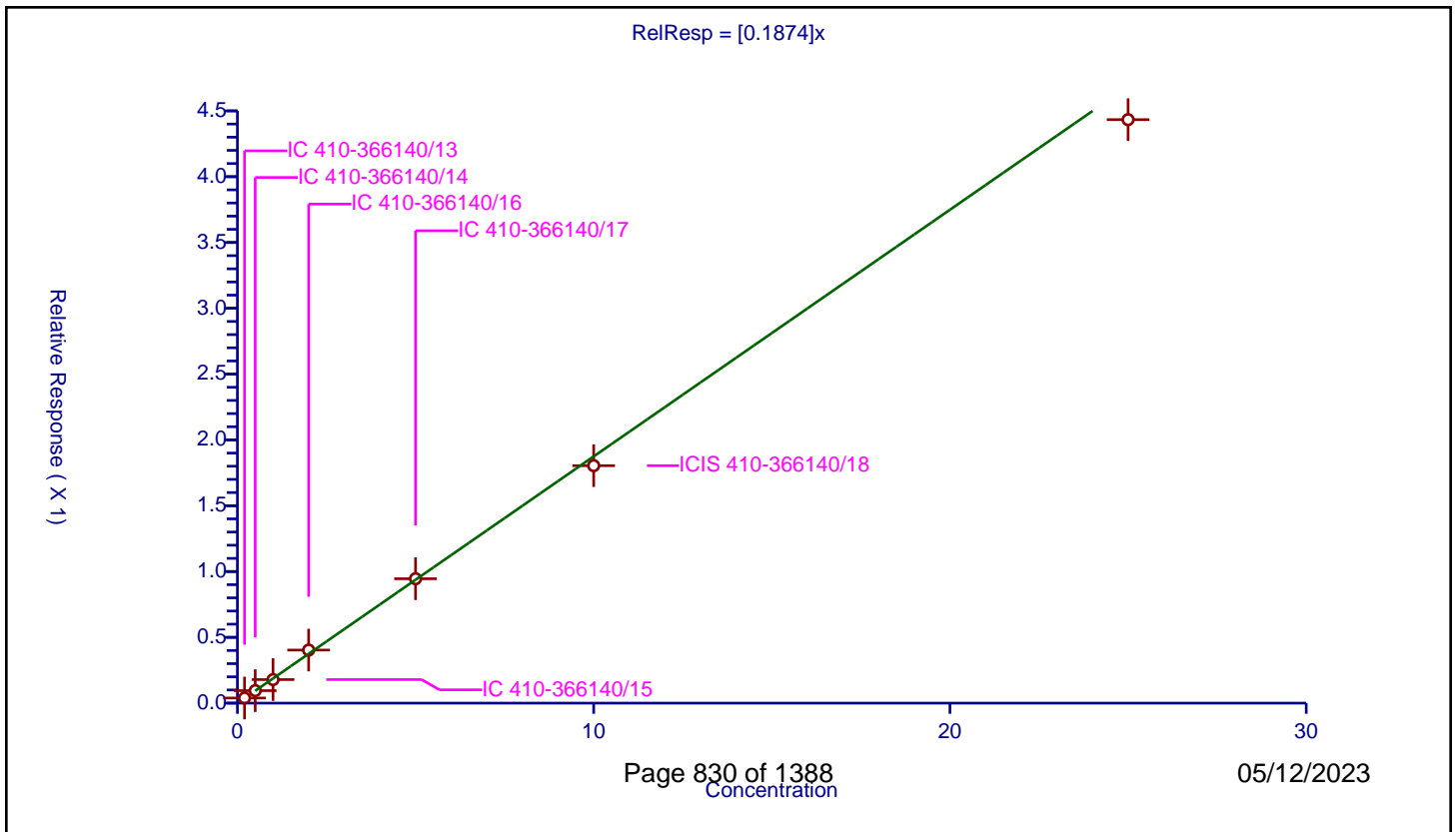
/ Ethyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.1874

Error Coefficients	
Standard Error:	398000
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 410-366140/13	0.199998	0.038932	10.0	1905653.0	0.194659	Y
2	IC 410-366140/14	0.499996	0.095025	10.0	1908755.0	0.190052	Y
3	IC 410-366140/15	0.999992	0.178997	10.0	1916682.0	0.178998	Y
4	IC 410-366140/16	1.999985	0.403222	10.0	1921970.0	0.201612	Y
5	IC 410-366140/17	4.999962	0.945124	10.0	1951110.0	0.189026	Y
6	ICIS 410-366140/18	9.999924	1.804234	10.0	1983640.0	0.180425	Y
7	IC 410-366140/19	24.99981	4.433449	10.0	1993554.0	0.177339	Y



Calibration

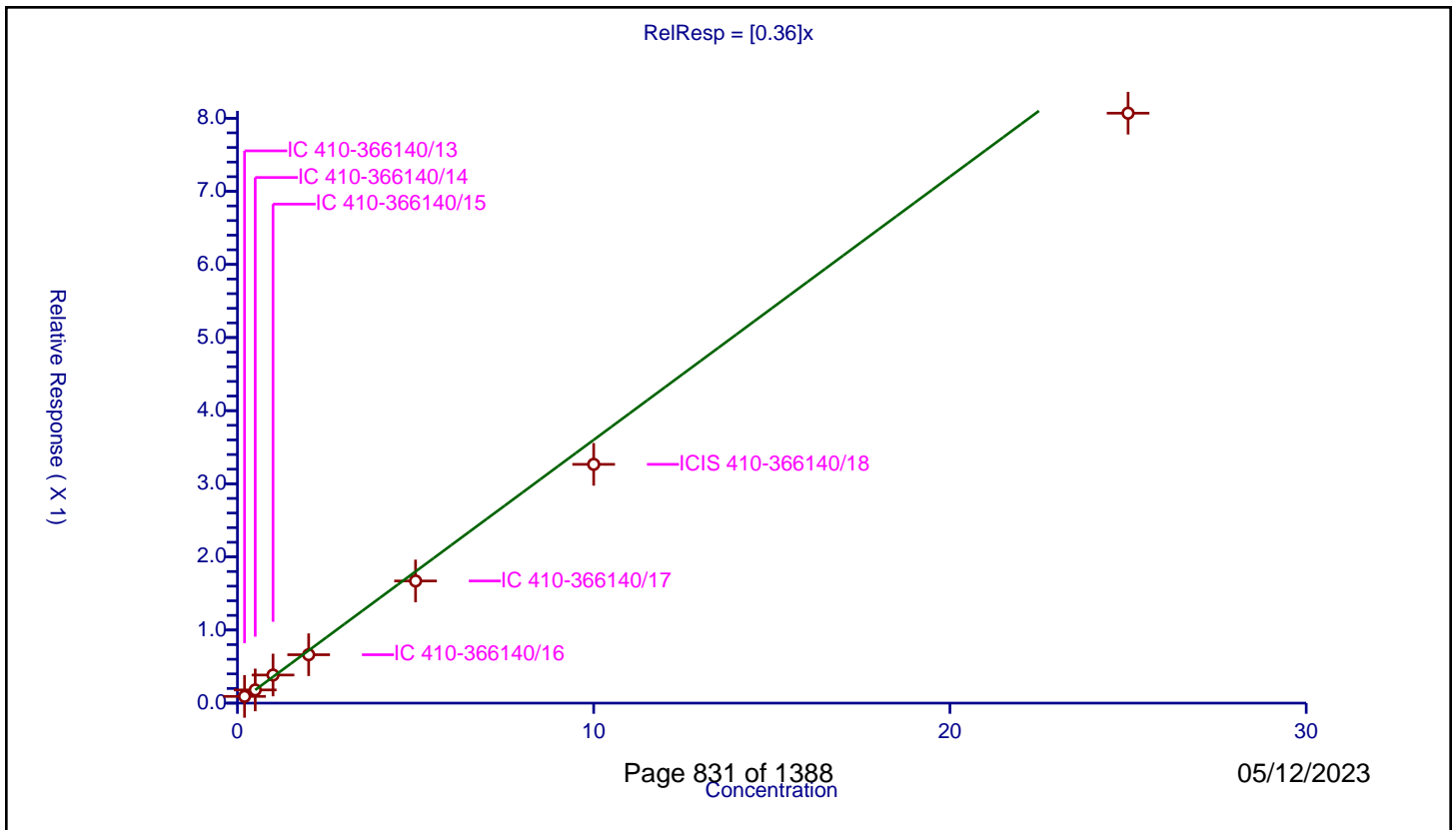
/ 1,2-Dichloro-1,1,2-trifluoroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.36

Error Coefficients	
Standard Error:	723000
Relative Standard Error:	13.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	0.2	0.092068	10.0	1905653.0	0.460341	Y
2	IC 410-366140/14	0.5	0.180421	10.0	1908755.0	0.360843	Y
3	IC 410-366140/15	1.0	0.384393	10.0	1916682.0	0.384393	Y
4	IC 410-366140/16	2.0	0.662138	10.0	1921970.0	0.331069	Y
5	IC 410-366140/17	5.0	1.670808	10.0	1951110.0	0.334162	Y
6	ICIS 410-366140/18	10.0	3.265966	10.0	1983640.0	0.326597	Y
7	IC 410-366140/19	25.0	8.068841	10.0	1993554.0	0.322754	Y



Calibration

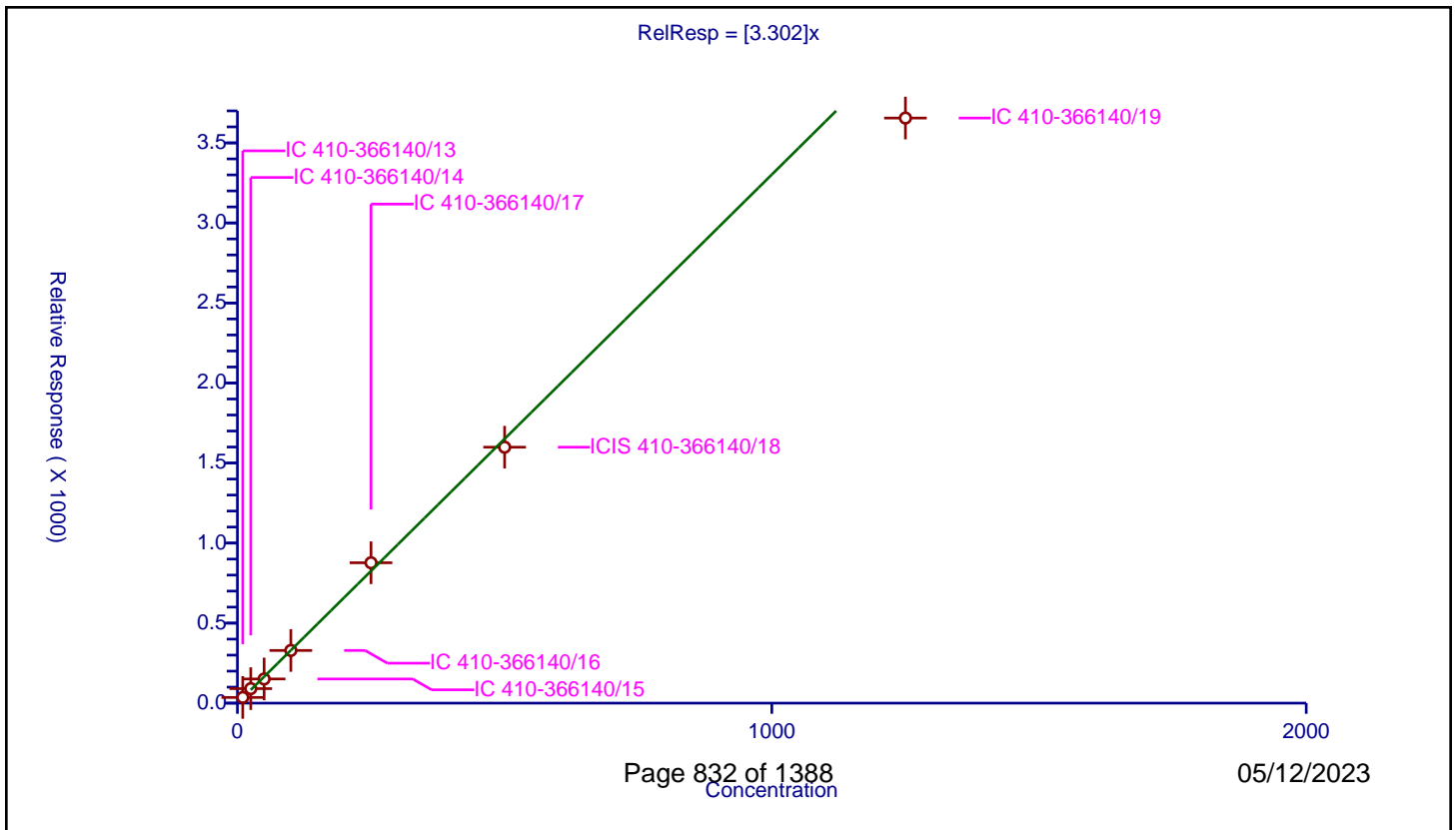
/ Acrolein

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

Curve Coefficients	
Intercept:	0
Slope:	3.302

Error Coefficients	
Standard Error:	2570000
Relative Standard Error:	8.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	10.000253	35.549954	50.0	59505.0	3.554906	Y
2	IC 410-366140/14	25.000632	90.558072	50.0	64902.0	3.622231	Y
3	IC 410-366140/15	50.001264	150.923604	50.0	74978.0	3.018396	Y
4	IC 410-366140/16	100.002528	329.076229	50.0	68924.0	3.290679	Y
5	IC 410-366140/17	250.006319	876.976204	50.0	70223.0	3.507816	Y
6	ICIS 410-366140/18	500.012639	1598.87853	50.0	78513.0	3.197676	Y
7	IC 410-366140/19	1250.031597	3655.314434	50.0	76932.0	2.924178	Y



Calibration

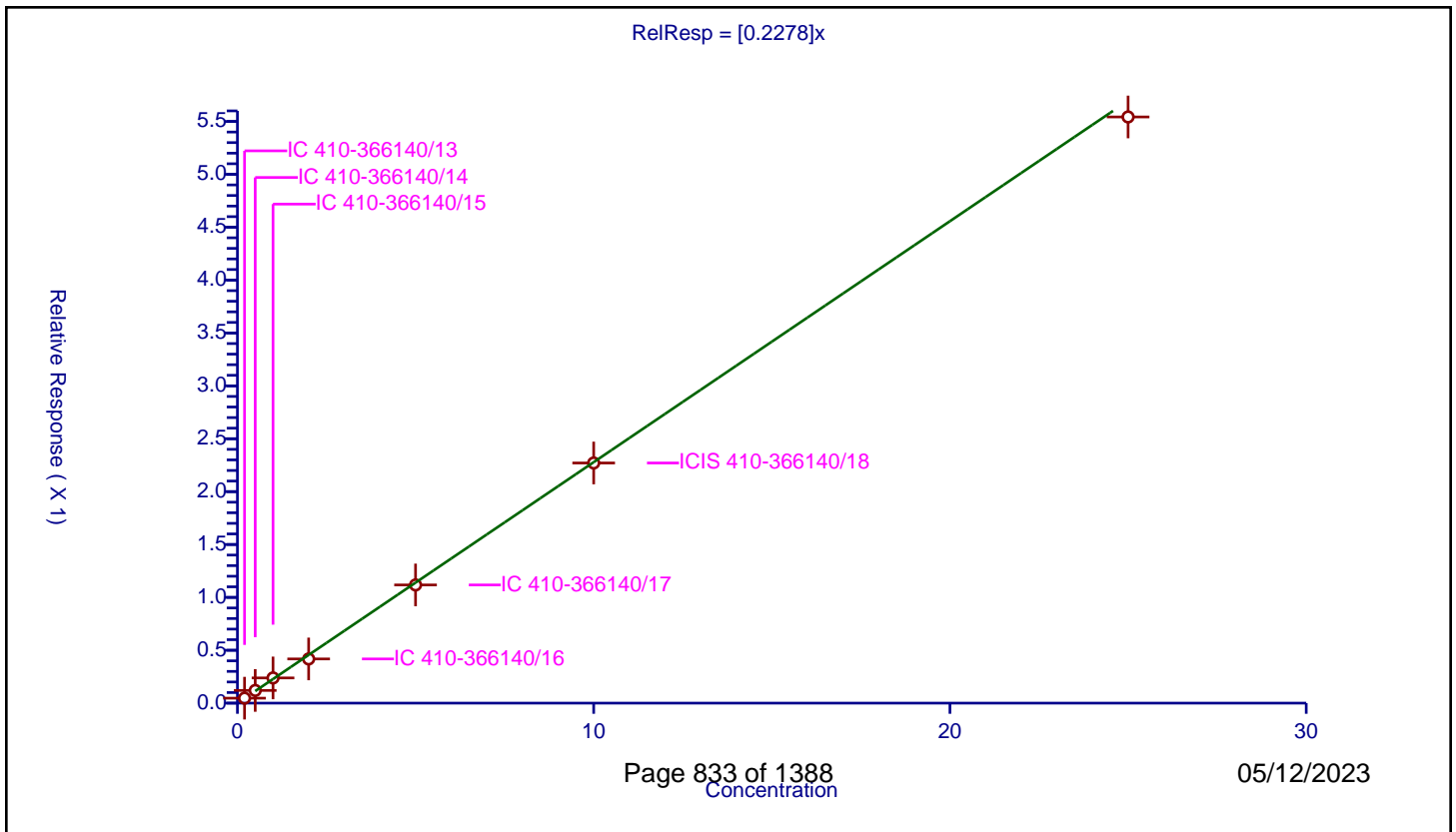
/ 1,1-Dichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.2278

Error Coefficients	
Standard Error:	497000
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 410-366140/13	0.2	0.047055	10.0	1905653.0	0.235274	Y
2	IC 410-366140/14	0.5	0.120057	10.0	1908755.0	0.240115	Y
3	IC 410-366140/15	1.0	0.238261	10.0	1916682.0	0.238261	Y
4	IC 410-366140/16	2.0	0.418003	10.0	1921970.0	0.209002	Y
5	IC 410-366140/17	5.0	1.117497	10.0	1951110.0	0.223499	Y
6	ICIS 410-366140/18	10.0	2.27077	10.0	1983640.0	0.227077	Y
7	IC 410-366140/19	25.0	5.542498	10.0	1993554.0	0.2217	Y



Calibration

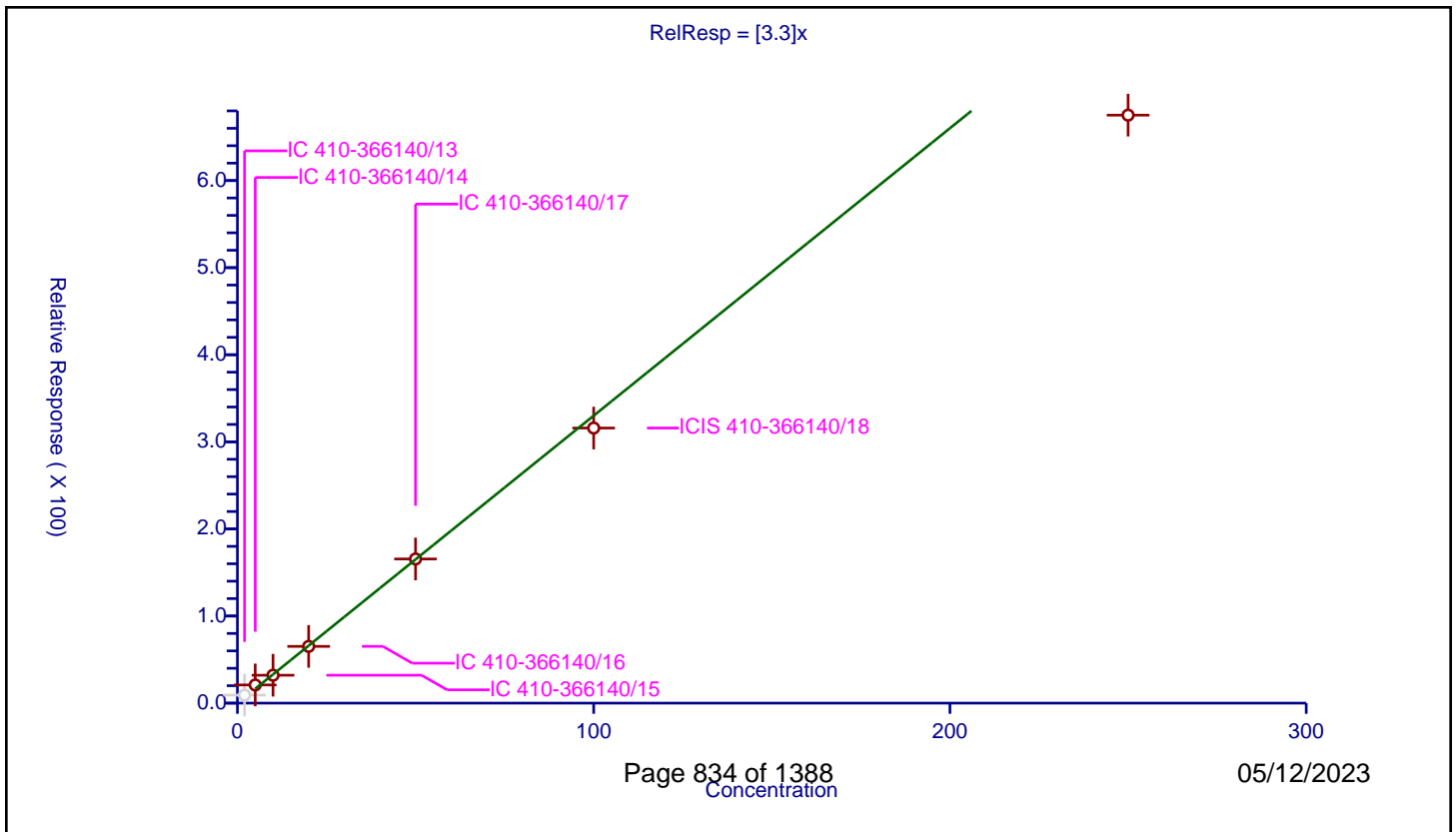
/ Acetone

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

Curve Coefficients	
Intercept:	0
Slope:	3.3

Error Coefficients	
Standard Error:	527000
Relative Standard Error:	14.5
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.959

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	2.0	9.229477	50.0	59505.0	4.614738	N
2	IC 410-366140/14	5.0	20.858371	50.0	64902.0	4.171674	Y
3	IC 410-366140/15	10.0	32.0454	50.0	74978.0	3.20454	Y
4	IC 410-366140/16	20.0	65.141315	50.0	68924.0	3.257066	Y
5	IC 410-366140/17	50.0	165.51486	50.0	70223.0	3.310297	Y
6	ICIS 410-366140/18	100.0	315.850241	50.0	78513.0	3.158502	Y
7	IC 410-366140/19	250.0	675.108537	50.0	76932.0	2.700434	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

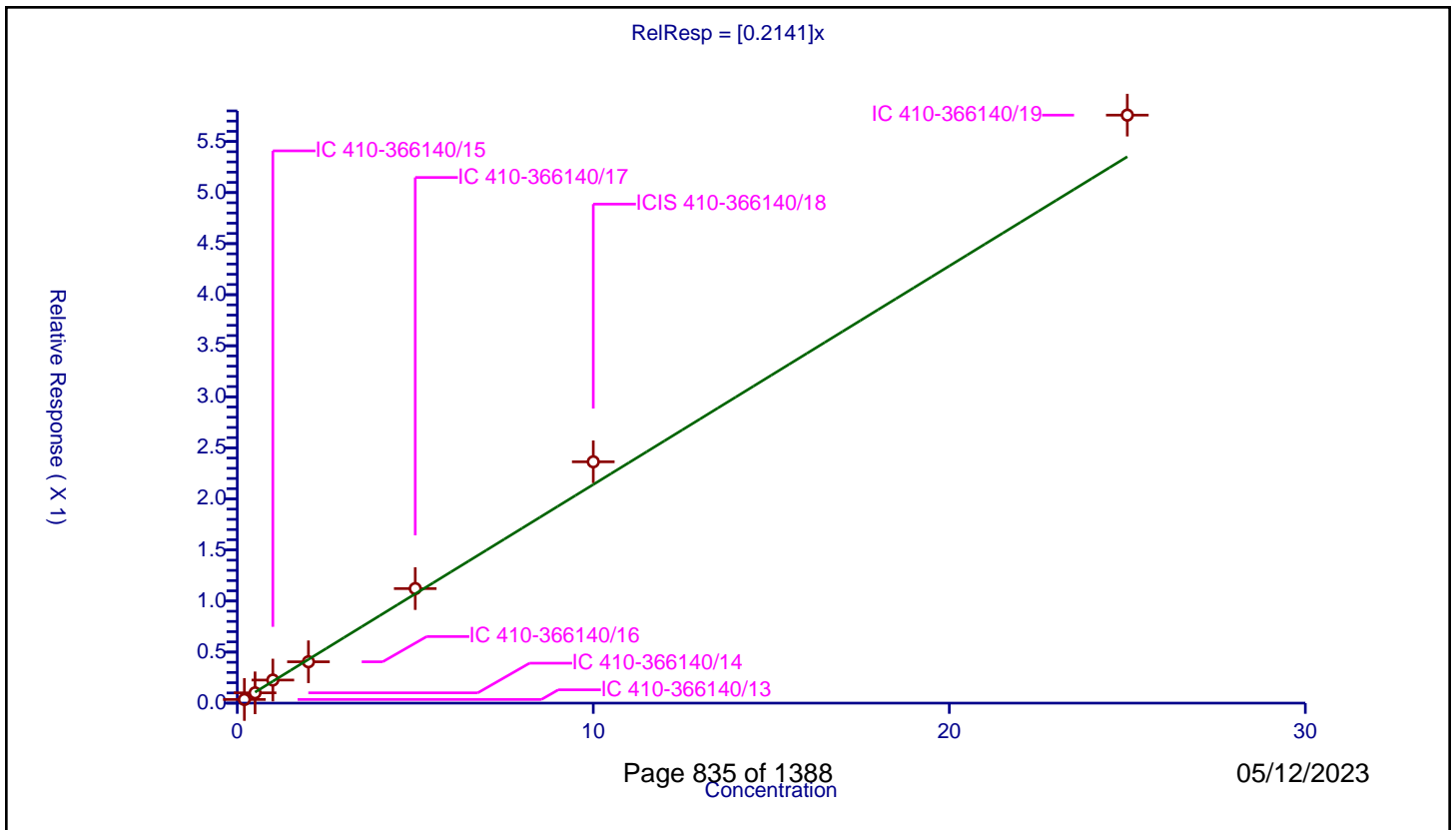
Curve Coefficients

Intercept: 0
 Slope: 0.2141

Error Coefficients

Standard Error: 515000
 Relative Standard Error: 9.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	0.2	0.035484	10.0	1905653.0	0.177419	Y
2	IC 410-366140/14	0.5	0.10072	10.0	1908755.0	0.20144	Y
3	IC 410-366140/15	1.0	0.226068	10.0	1916682.0	0.226068	Y
4	IC 410-366140/16	2.0	0.404928	10.0	1921970.0	0.202464	Y
5	IC 410-366140/17	5.0	1.121674	10.0	1951110.0	0.224335	Y
6	ICIS 410-366140/18	10.0	2.363438	10.0	1983640.0	0.236344	Y
7	IC 410-366140/19	25.0	5.758429	10.0	1993554.0	0.230337	Y



Calibration

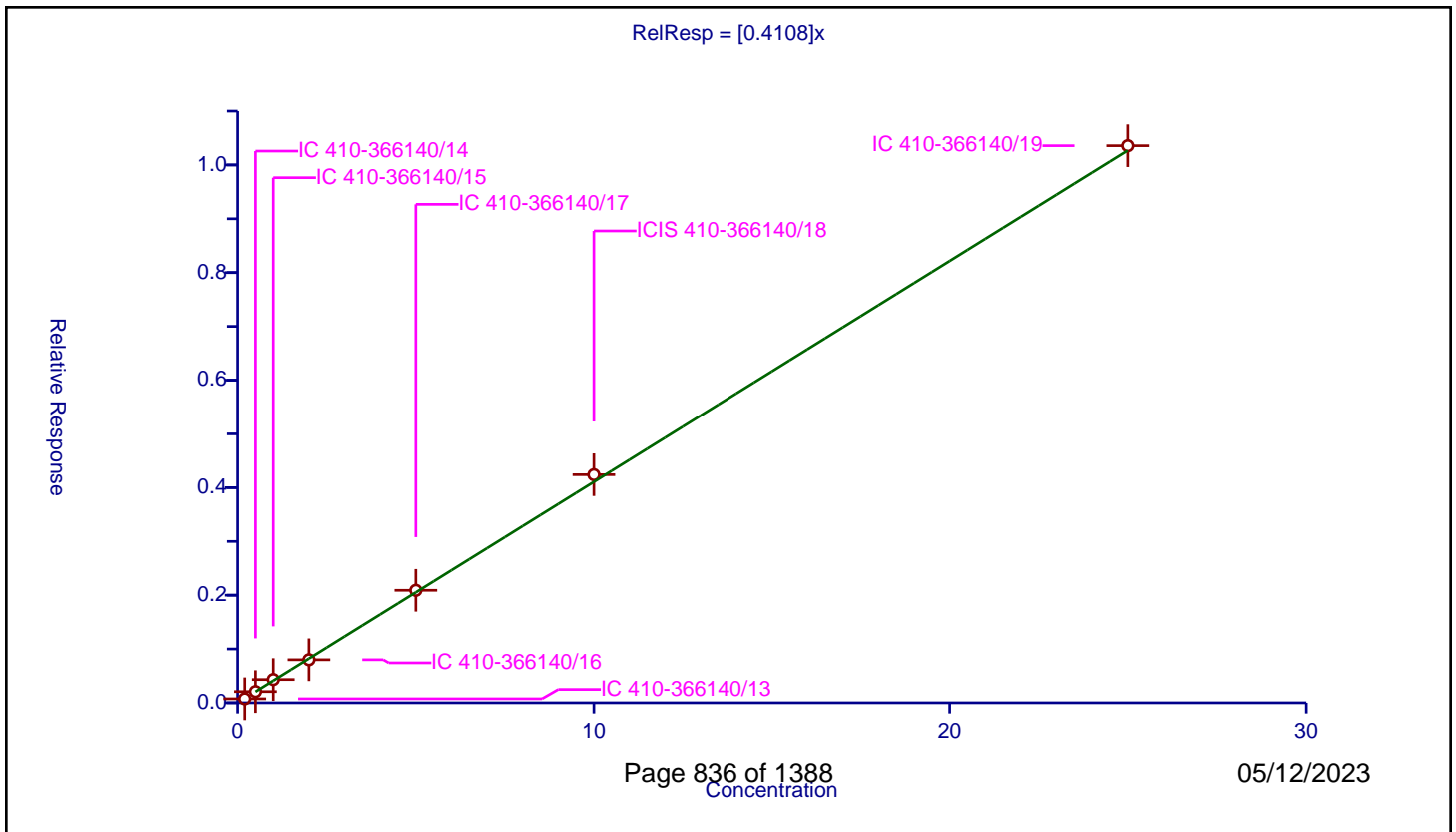
/ Iodomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4108

Error Coefficients	
Standard Error:	928000
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 410-366140/13	0.2	0.074253	10.0	1905653.0	0.371264	Y
2	IC 410-366140/14	0.5	0.207984	10.0	1908755.0	0.415967	Y
3	IC 410-366140/15	1.0	0.431772	10.0	1916682.0	0.431772	Y
4	IC 410-366140/16	2.0	0.799664	10.0	1921970.0	0.399832	Y
5	IC 410-366140/17	5.0	2.091061	10.0	1951110.0	0.418212	Y
6	ICIS 410-366140/18	10.0	4.240921	10.0	1983640.0	0.424092	Y
7	IC 410-366140/19	25.0	10.357843	10.0	1993554.0	0.414314	Y



Calibration

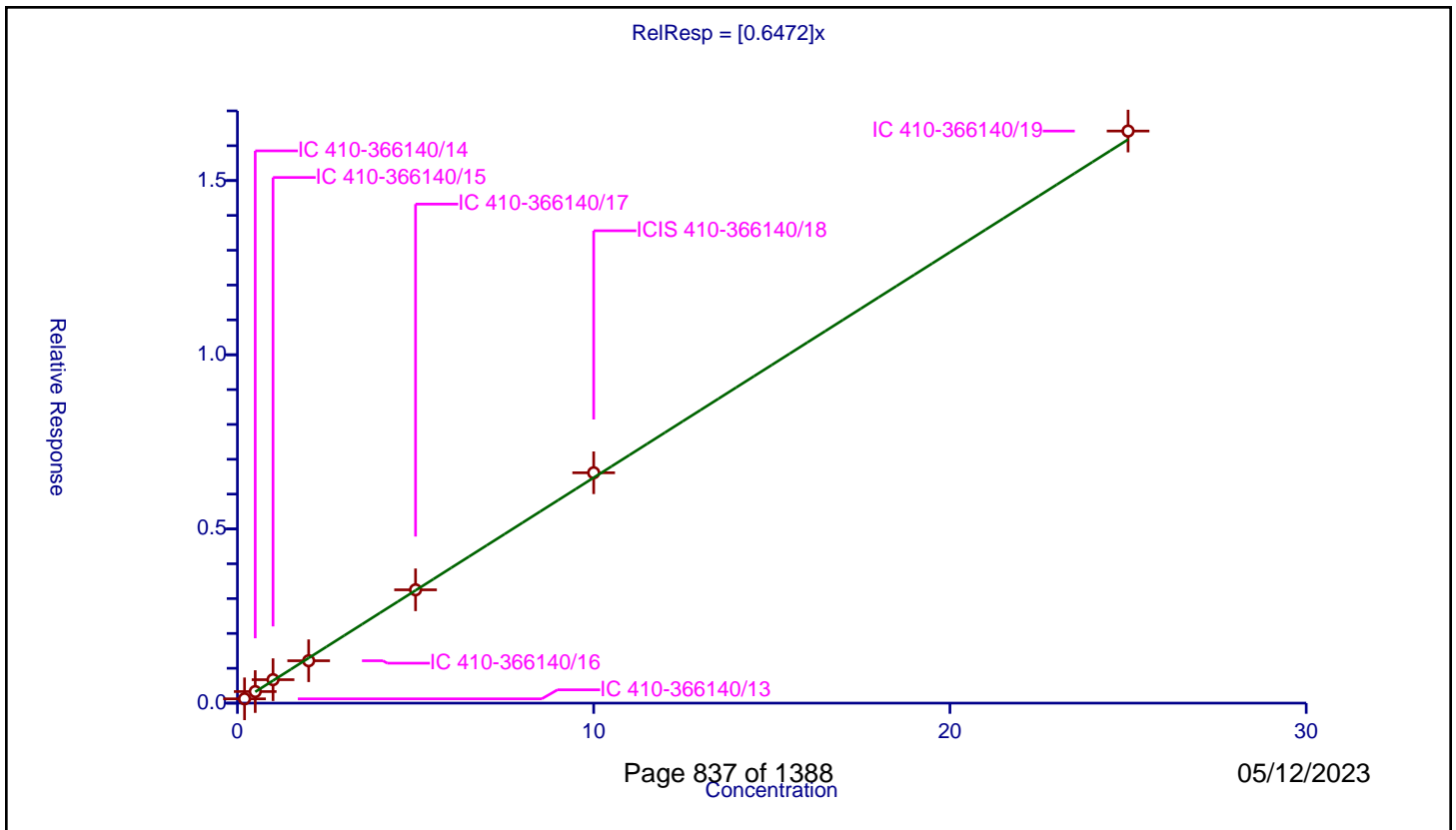
/ Carbon disulfide

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

Curve Coefficients	
Intercept:	0
Slope:	0.6472

Error Coefficients	
Standard Error:	1470000
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 410-366140/13	0.2	0.123218	10.0	1905653.0	0.616088	Y
2	IC 410-366140/14	0.5	0.331813	10.0	1908755.0	0.663626	Y
3	IC 410-366140/15	1.0	0.673372	10.0	1916682.0	0.673372	Y
4	IC 410-366140/16	2.0	1.216726	10.0	1921970.0	0.608363	Y
5	IC 410-366140/17	5.0	3.252856	10.0	1951110.0	0.650571	Y
6	ICIS 410-366140/18	10.0	6.61249	10.0	1983640.0	0.661249	Y
7	IC 410-366140/19	25.0	16.42116	10.0	1993554.0	0.656846	Y



Calibration

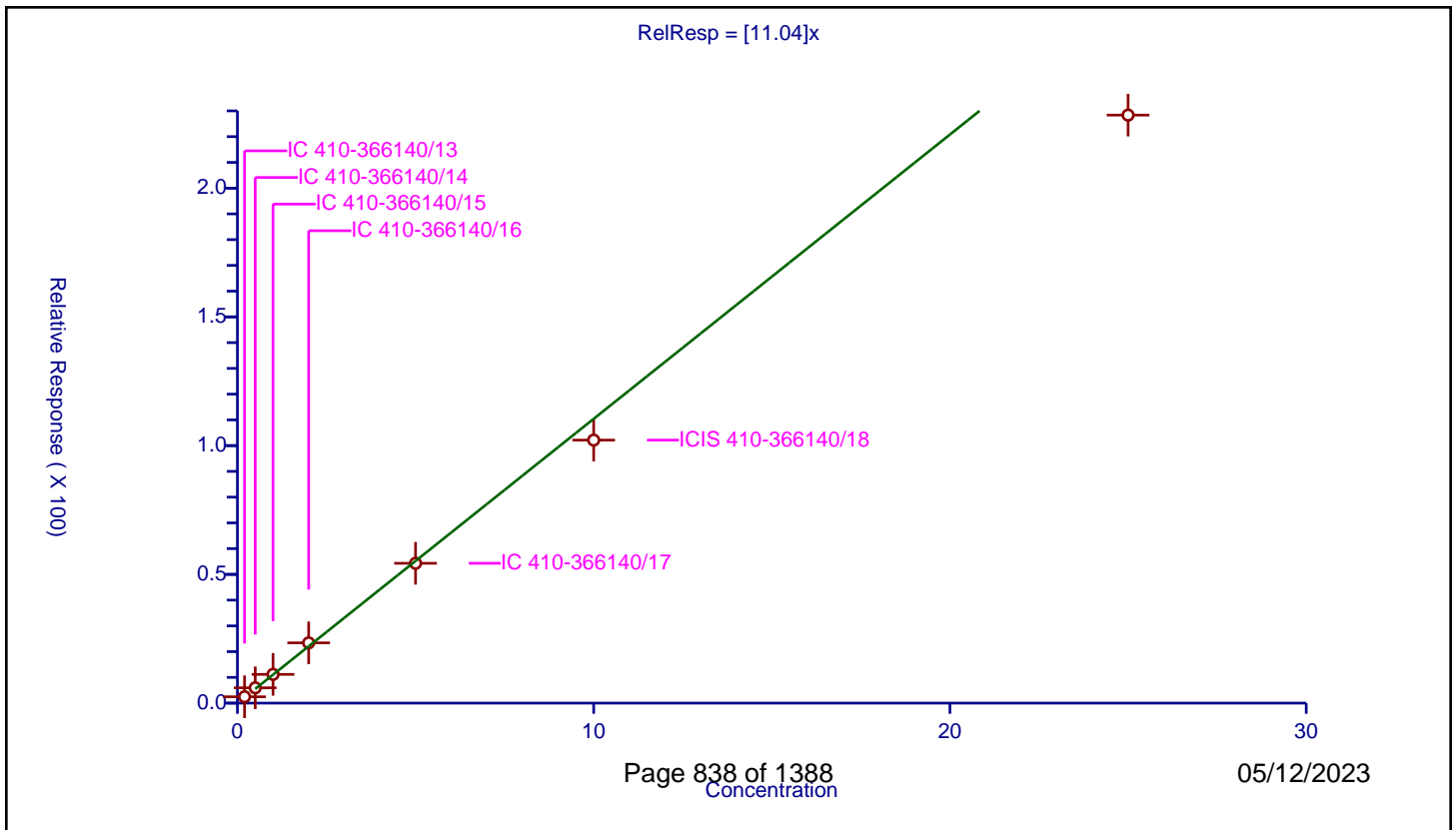
/ Methyl acetate

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

Curve Coefficients	
Intercept:	0
Slope:	11.04

Error Coefficients	
Standard Error:	161000
Relative Standard Error:	9.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	0.2	2.463659	50.0	59505.0	12.318293	Y
2	IC 410-366140/14	0.5	5.944347	50.0	64902.0	11.888694	Y
3	IC 410-366140/15	1.0	11.166609	50.0	74978.0	11.166609	Y
4	IC 410-366140/16	2.0	23.401137	50.0	68924.0	11.700569	Y
5	IC 410-366140/17	5.0	54.310554	50.0	70223.0	10.862111	Y
6	ICIS 410-366140/18	10.0	102.150599	50.0	78513.0	10.21506	Y
7	IC 410-366140/19	25.0	228.36076	50.0	76932.0	9.13443	Y



Calibration

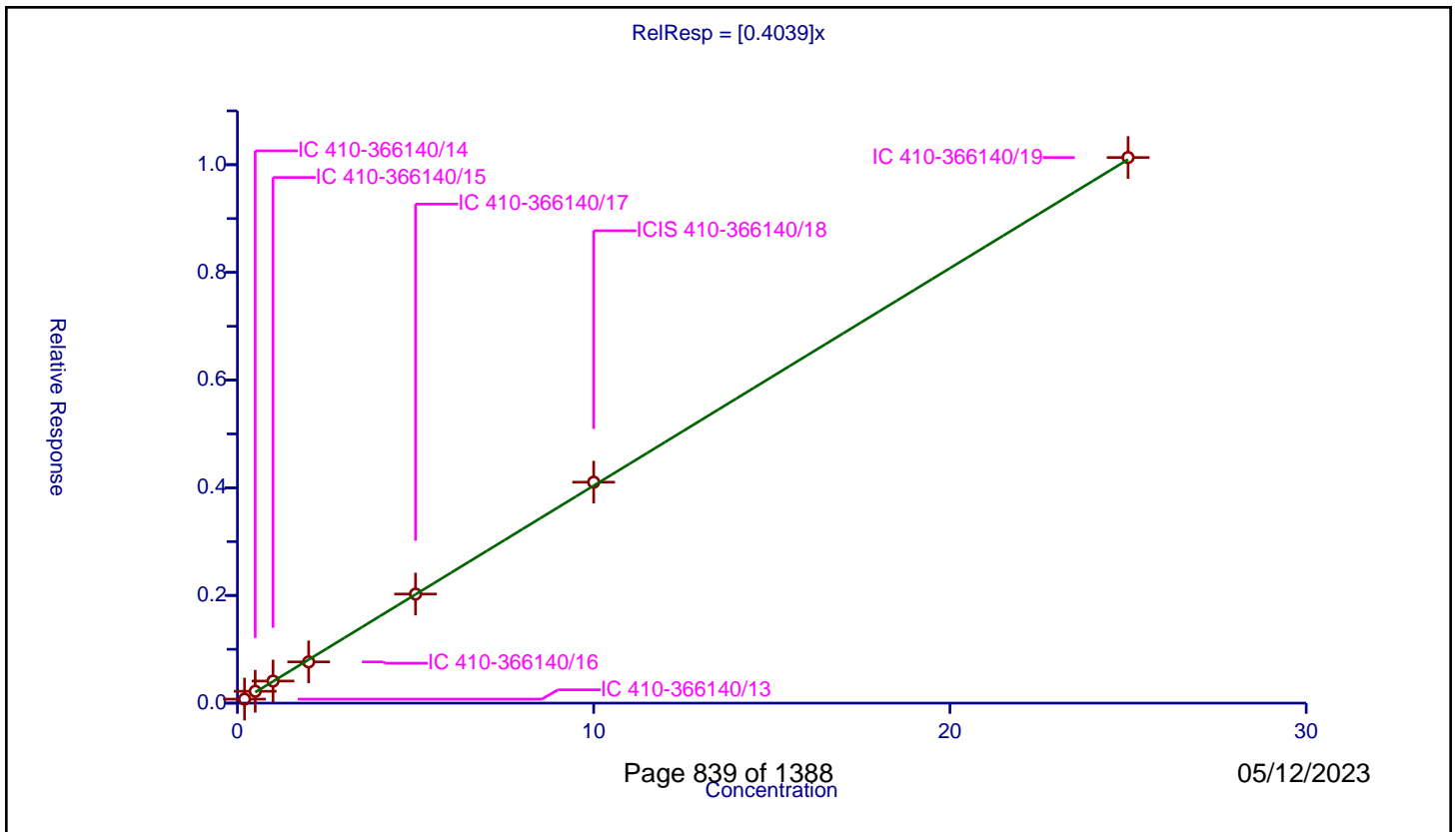
/ 3-Chloro-1-propene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4039

Error Coefficients	
Standard Error:	906000
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 410-366140/13	0.2	0.074478	10.0	1905653.0	0.372392	Y
2	IC 410-366140/14	0.5	0.2205	10.0	1908755.0	0.440999	Y
3	IC 410-366140/15	1.0	0.410188	10.0	1916682.0	0.410188	Y
4	IC 410-366140/16	2.0	0.765787	10.0	1921970.0	0.382894	Y
5	IC 410-366140/17	5.0	2.025811	10.0	1951110.0	0.405162	Y
6	ICIS 410-366140/18	10.0	4.104323	10.0	1983640.0	0.410432	Y
7	IC 410-366140/19	25.0	10.134017	10.0	1993554.0	0.405361	Y



Calibration

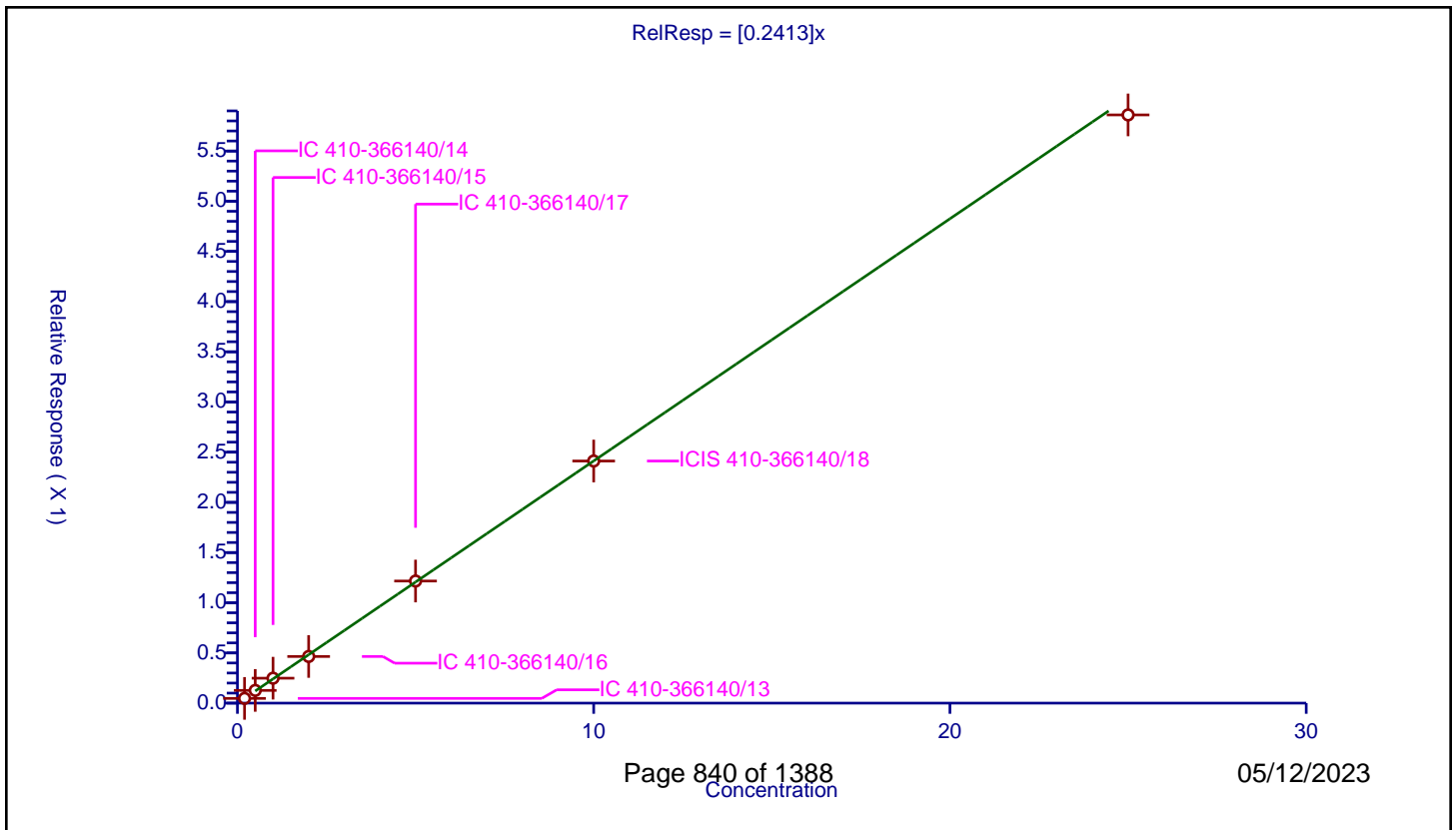
/ Methylene Chloride

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

Curve Coefficients	
Intercept:	0
Slope:	0.2413

Error Coefficients	
Standard Error:	526000
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 410-366140/13	0.2	0.047144	10.0	1905653.0	0.23572	Y
2	IC 410-366140/14	0.5	0.126732	10.0	1908755.0	0.253464	Y
3	IC 410-366140/15	1.0	0.248408	10.0	1916682.0	0.248408	Y
4	IC 410-366140/16	2.0	0.464758	10.0	1921970.0	0.232379	Y
5	IC 410-366140/17	5.0	1.216477	10.0	1951110.0	0.243295	Y
6	ICIS 410-366140/18	10.0	2.412096	10.0	1983640.0	0.24121	Y
7	IC 410-366140/19	25.0	5.859821	10.0	1993554.0	0.234393	Y



Calibration

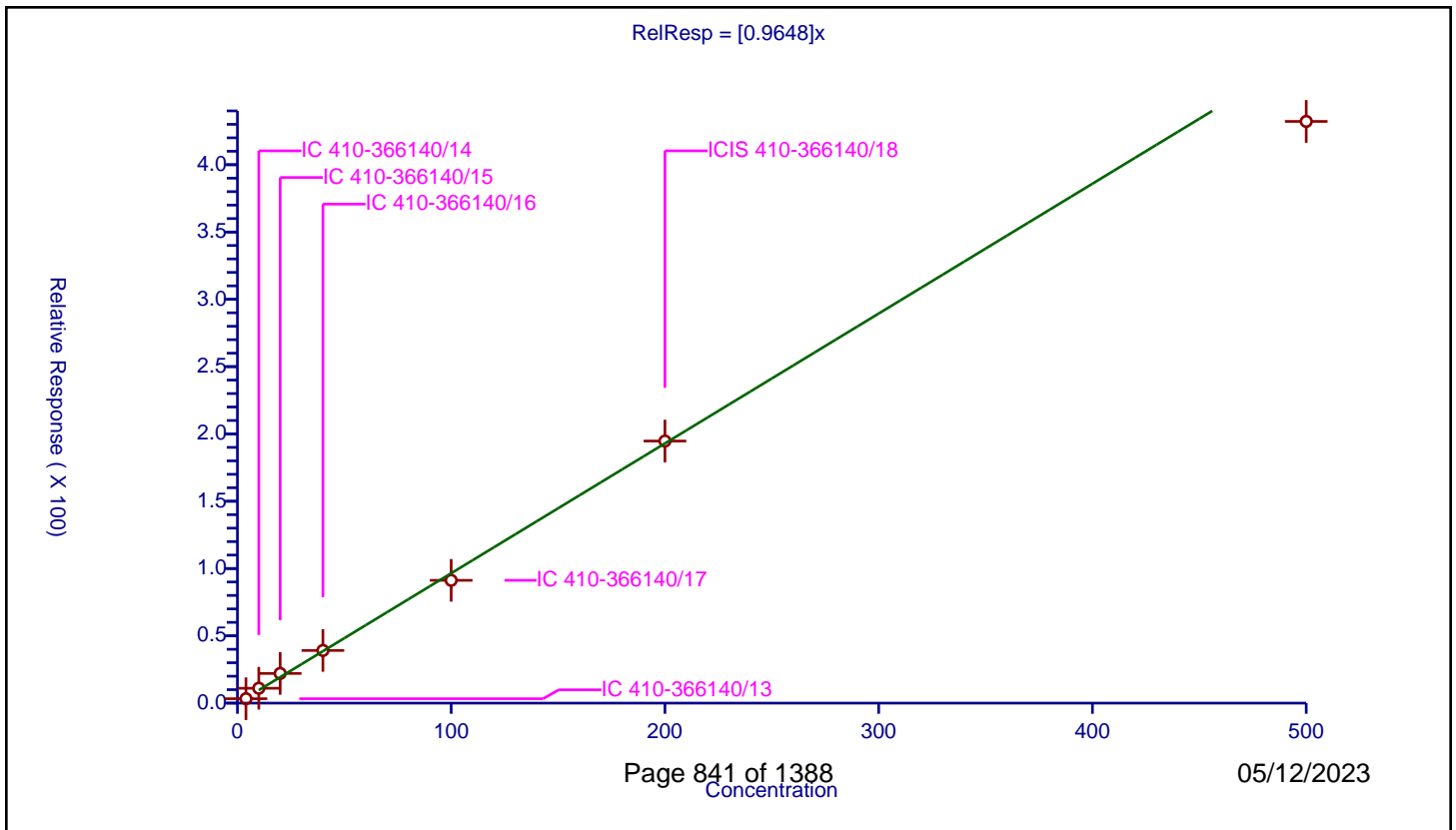
/ 2-Methyl-2-propanol

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

Curve Coefficients	
Intercept:	0
Slope:	0.9648

Error Coefficients	
Standard Error:	304000
Relative Standard Error:	11.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	4.0	3.271154	50.0	59505.0	0.817788	Y
2	IC 410-366140/14	10.0	11.048196	50.0	64902.0	1.10482	Y
3	IC 410-366140/15	20.0	22.053136	50.0	74978.0	1.102657	Y
4	IC 410-366140/16	40.0	39.122076	50.0	68924.0	0.978052	Y
5	IC 410-366140/17	100.0	91.220113	50.0	70223.0	0.912201	Y
6	ICIS 410-366140/18	200.0	194.711704	50.0	78513.0	0.973559	Y
7	IC 410-366140/19	500.0	432.175168	50.0	76932.0	0.86435	Y



Calibration

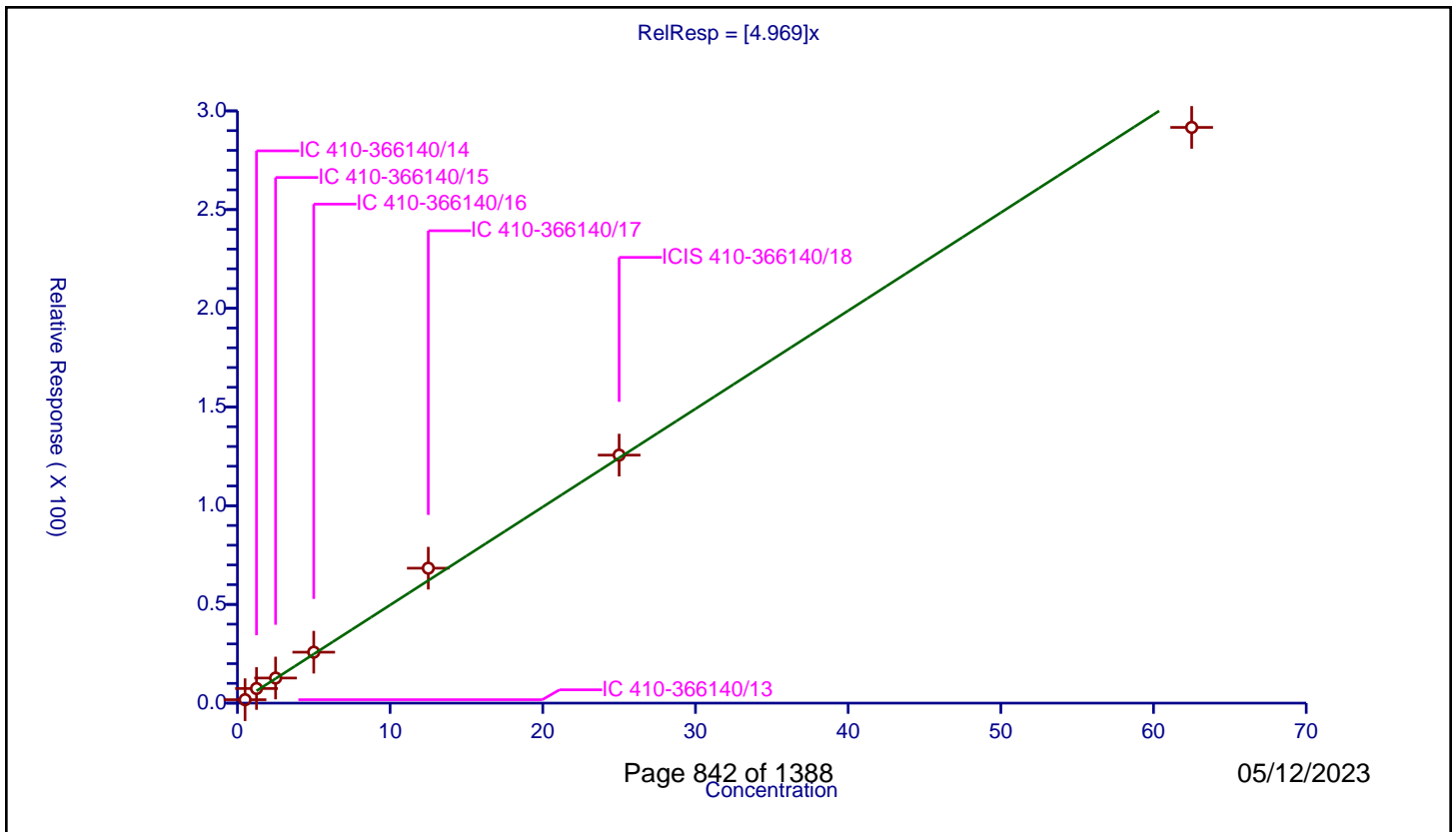
/ Acrylonitrile

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

Curve Coefficients	
Intercept:	0
Slope:	4.969

Error Coefficients	
Standard Error:	204000
Relative Standard Error:	15.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	0.5	1.731787	50.0	59505.0	3.463574	Y
2	IC 410-366140/14	1.25	7.395766	50.0	64902.0	5.916613	Y
3	IC 410-366140/15	2.5	12.712396	50.0	74978.0	5.084958	Y
4	IC 410-366140/16	5.0	25.798706	50.0	68924.0	5.159741	Y
5	IC 410-366140/17	12.5	68.353673	50.0	70223.0	5.468294	Y
6	ICIS 410-366140/18	25.0	125.641613	50.0	78513.0	5.025665	Y
7	IC 410-366140/19	62.5	291.633521	50.0	76932.0	4.666136	Y



Calibration

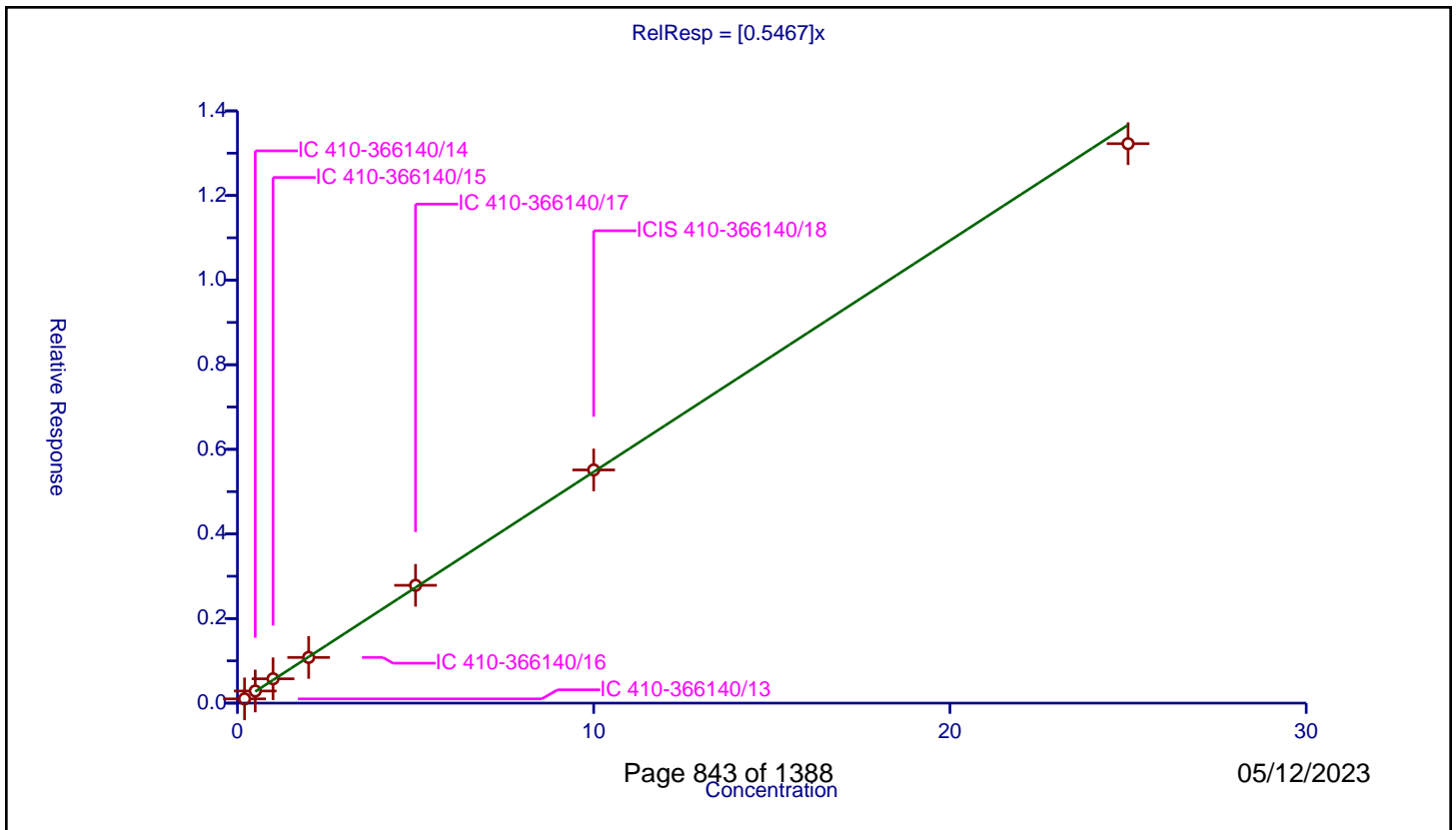
/ Methyl tert-butyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.5467

Error Coefficients	
Standard Error:	1190000
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 410-366140/13	0.2	0.10026	10.0	1905653.0	0.501298	Y
2	IC 410-366140/14	0.5	0.286621	10.0	1908755.0	0.573243	Y
3	IC 410-366140/15	1.0	0.575093	10.0	1916682.0	0.575093	Y
4	IC 410-366140/16	2.0	1.080376	10.0	1921970.0	0.540188	Y
5	IC 410-366140/17	5.0	2.785291	10.0	1951110.0	0.557058	Y
6	ICIS 410-366140/18	10.0	5.512724	10.0	1983640.0	0.551272	Y
7	IC 410-366140/19	25.0	13.224768	10.0	1993554.0	0.528991	Y



Calibration

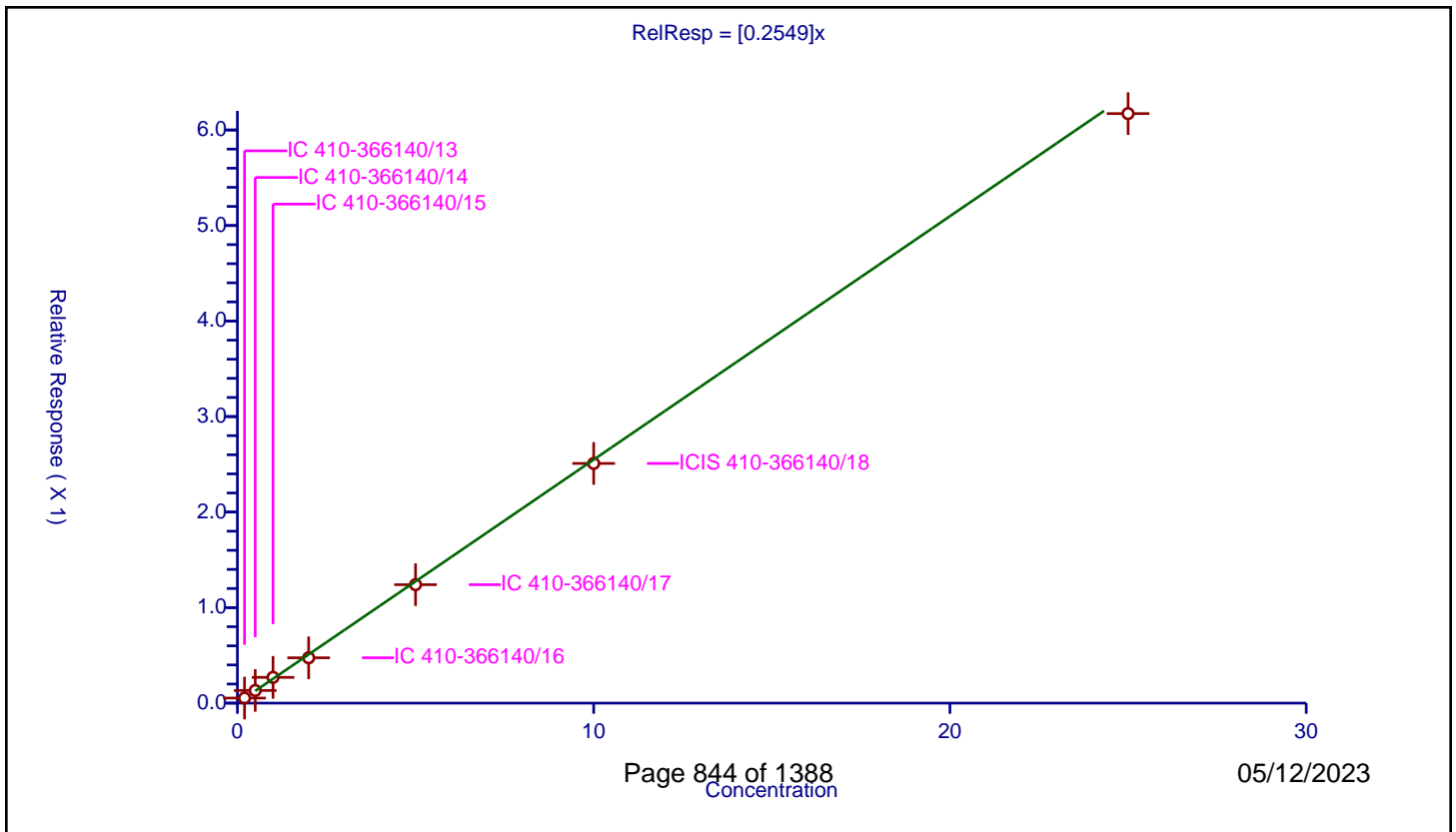
/ trans-1,2-Dichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.2549

Error Coefficients	
Standard Error:	553000
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 410-366140/13	0.2	0.053194	10.0	1905653.0	0.265972	Y
2	IC 410-366140/14	0.5	0.132626	10.0	1908755.0	0.265251	Y
3	IC 410-366140/15	1.0	0.269706	10.0	1916682.0	0.269706	Y
4	IC 410-366140/16	2.0	0.474763	10.0	1921970.0	0.237381	Y
5	IC 410-366140/17	5.0	1.24014	10.0	1951110.0	0.248028	Y
6	ICIS 410-366140/18	10.0	2.509281	10.0	1983640.0	0.250928	Y
7	IC 410-366140/19	25.0	6.171431	10.0	1993554.0	0.246857	Y



Calibration

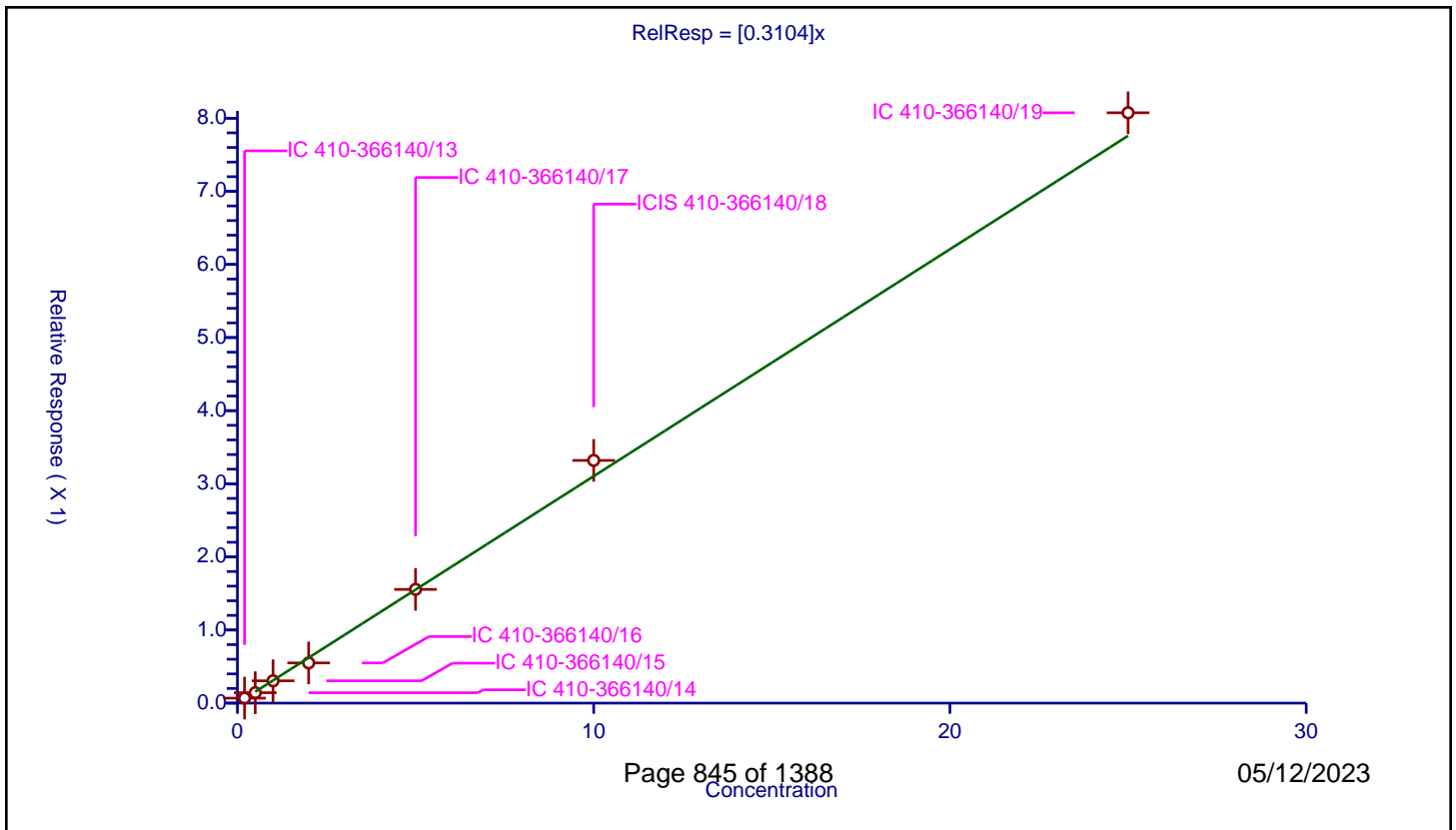
/ Hexane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3104

Error Coefficients	
Standard Error:	723000
Relative Standard Error:	7.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	0.2	0.068234	10.0	1905653.0	0.341169	Y
2	IC 410-366140/14	0.5	0.142742	10.0	1908755.0	0.285485	Y
3	IC 410-366140/15	1.0	0.305017	10.0	1916682.0	0.305017	Y
4	IC 410-366140/16	2.0	0.549905	10.0	1921970.0	0.274952	Y
5	IC 410-366140/17	5.0	1.555556	10.0	1951110.0	0.311111	Y
6	ICIS 410-366140/18	10.0	3.319821	10.0	1983640.0	0.331982	Y
7	IC 410-366140/19	25.0	8.074233	10.0	1993554.0	0.322969	Y



Calibration

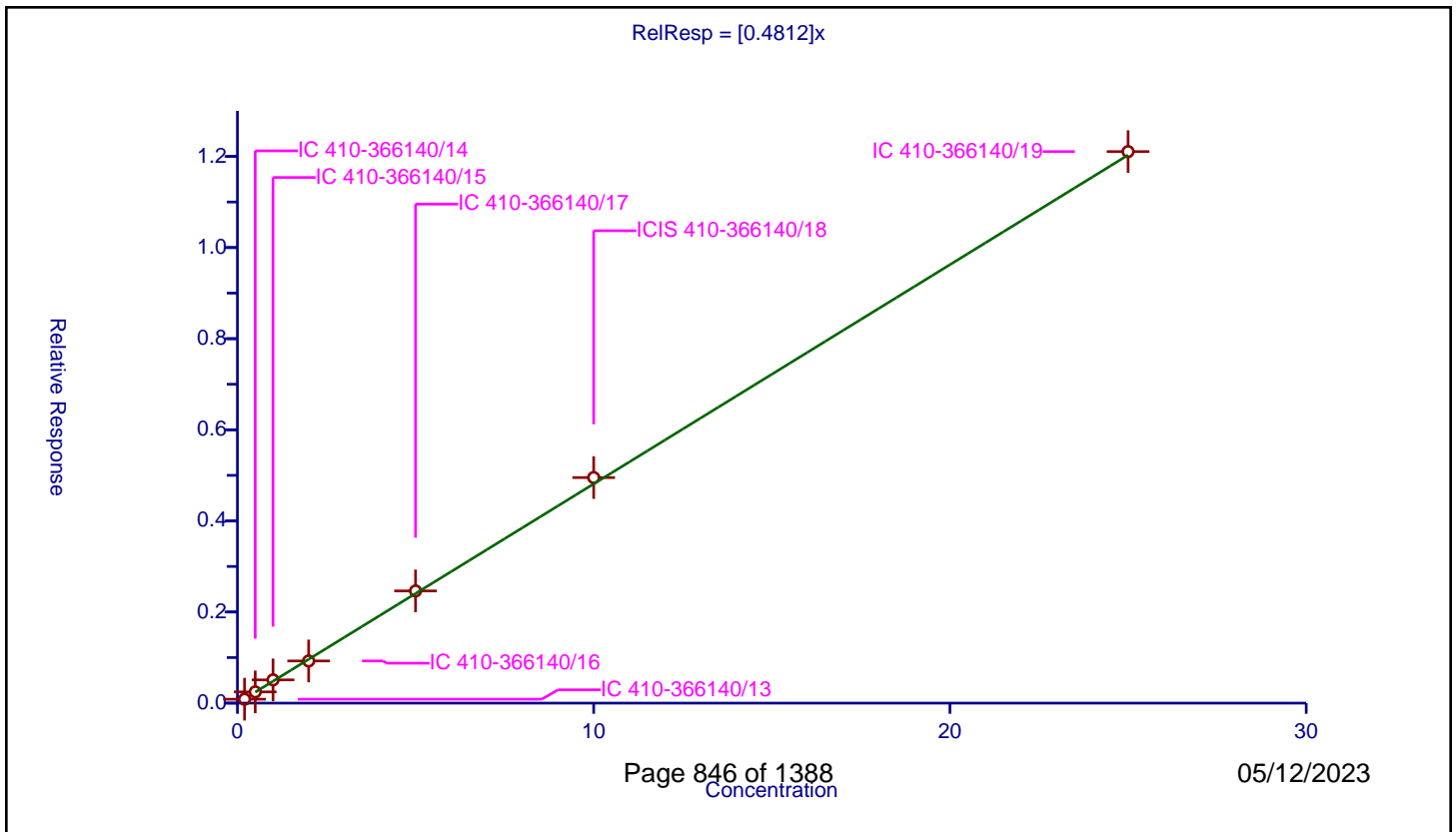
/ 1,1-Dichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4812

Error Coefficients	
Standard Error:	1090000
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 410-366140/13	0.2	0.086275	10.0	1905653.0	0.431374	Y
2	IC 410-366140/14	0.5	0.246166	10.0	1908755.0	0.492331	Y
3	IC 410-366140/15	1.0	0.510038	10.0	1916682.0	0.510038	Y
4	IC 410-366140/16	2.0	0.92568	10.0	1921970.0	0.46284	Y
5	IC 410-366140/17	5.0	2.462829	10.0	1951110.0	0.492566	Y
6	ICIS 410-366140/18	10.0	4.95106	10.0	1983640.0	0.495106	Y
7	IC 410-366140/19	25.0	12.10659	10.0	1993554.0	0.484264	Y



Calibration

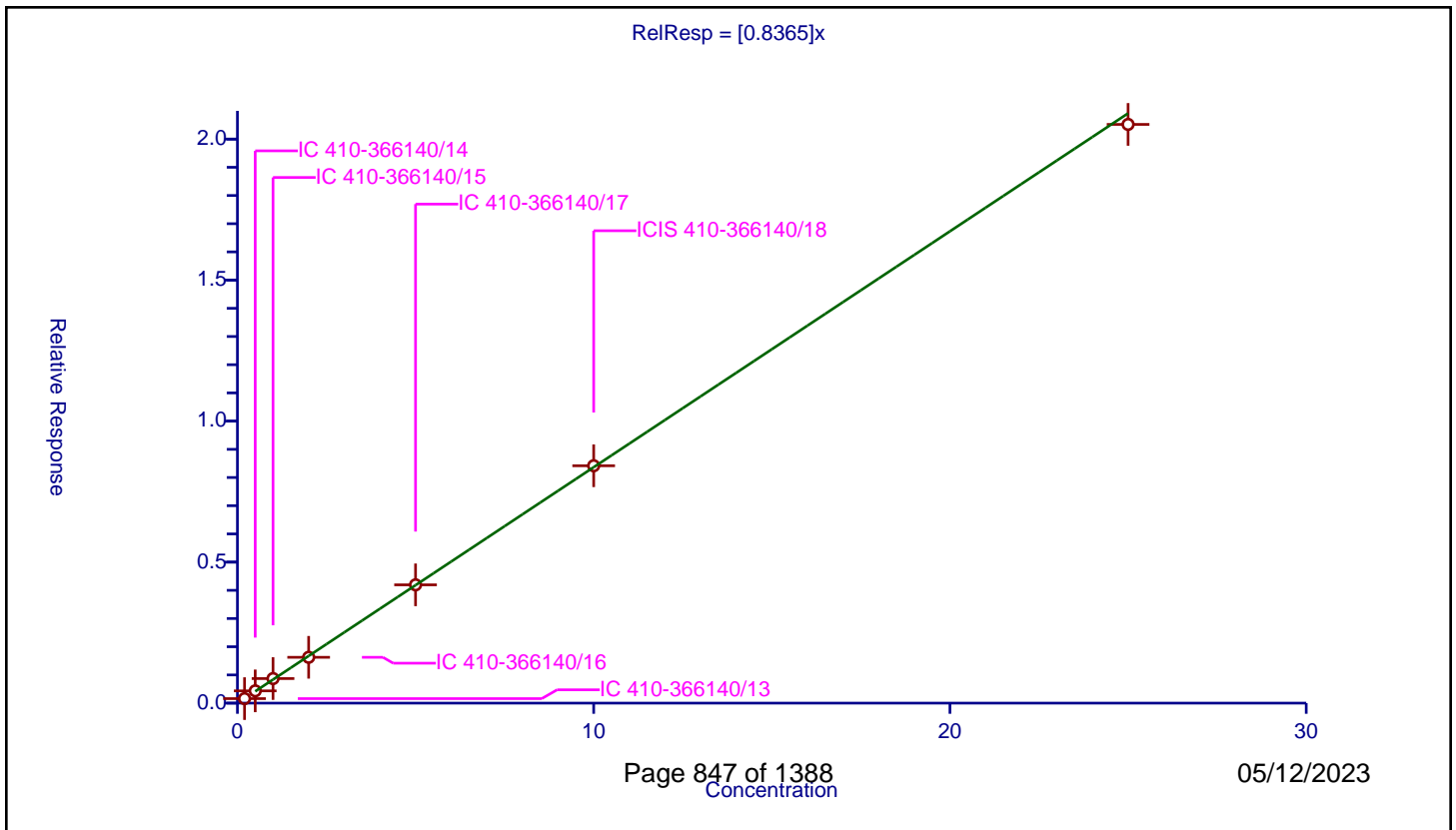
/ Isopropyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.8365

Error Coefficients	
Standard Error:	1840000
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 410-366140/13	0.2	0.160129	10.0	1905653.0	0.800644	Y
2	IC 410-366140/14	0.5	0.435032	10.0	1908755.0	0.870065	Y
3	IC 410-366140/15	1.0	0.871078	10.0	1916682.0	0.871078	Y
4	IC 410-366140/16	2.0	1.625025	10.0	1921970.0	0.812513	Y
5	IC 410-366140/17	5.0	4.194412	10.0	1951110.0	0.838882	Y
6	ICIS 410-366140/18	10.0	8.417051	10.0	1983640.0	0.841705	Y
7	IC 410-366140/19	25.0	20.520477	10.0	1993554.0	0.820819	Y



Calibration

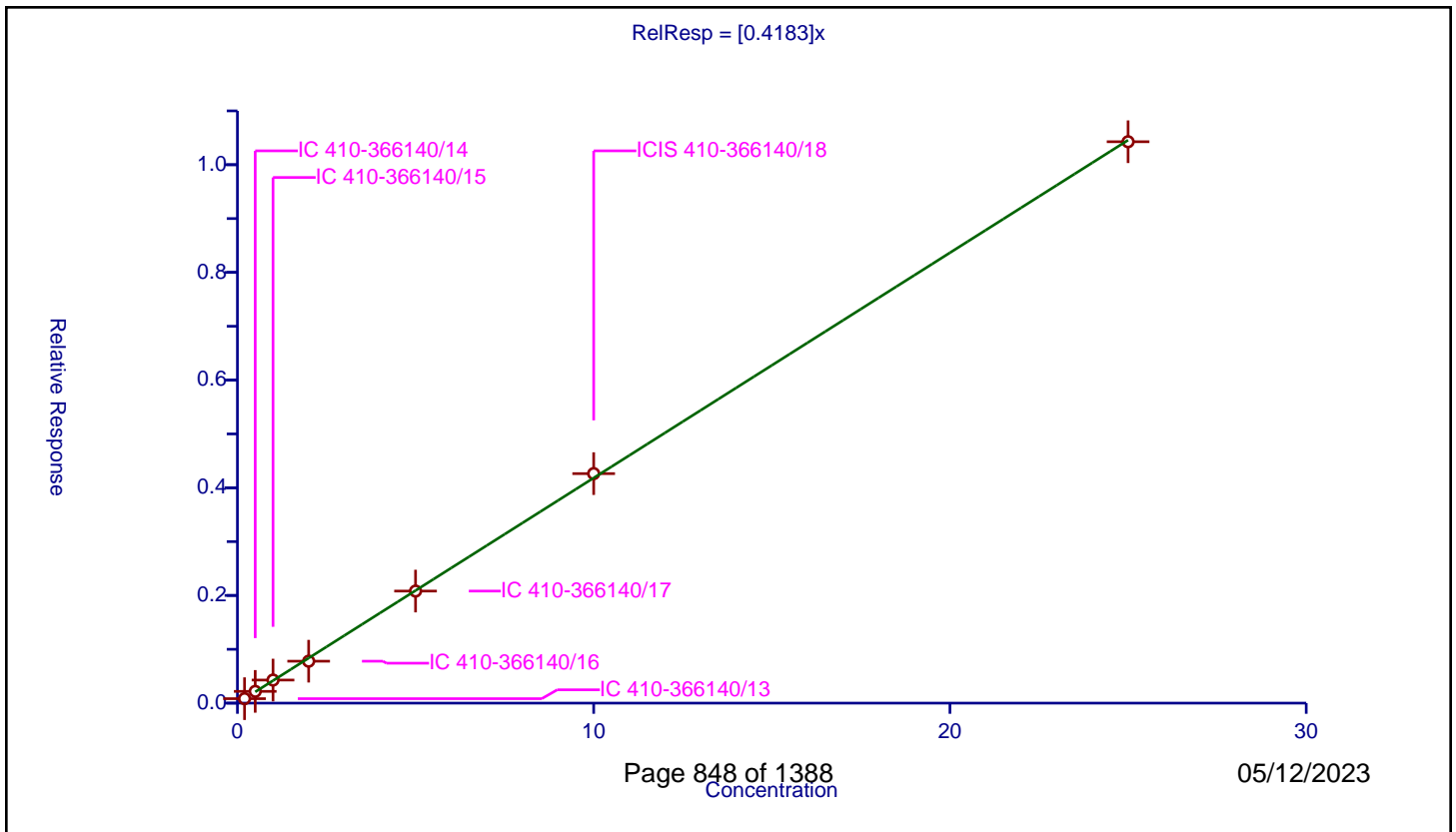
/ 2-Chloro-1,3-butadiene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4183

Error Coefficients	
Standard Error:	934000
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 410-366140/13	0.2	0.082701	10.0	1905653.0	0.413507	Y
2	IC 410-366140/14	0.5	0.21843	10.0	1908755.0	0.436861	Y
3	IC 410-366140/15	1.0	0.428444	10.0	1916682.0	0.428444	Y
4	IC 410-366140/16	2.0	0.778743	10.0	1921970.0	0.389371	Y
5	IC 410-366140/17	5.0	2.0814	10.0	1951110.0	0.41628	Y
6	ICIS 410-366140/18	10.0	4.263042	10.0	1983640.0	0.426304	Y
7	IC 410-366140/19	25.0	10.427097	10.0	1993554.0	0.417084	Y



Calibration

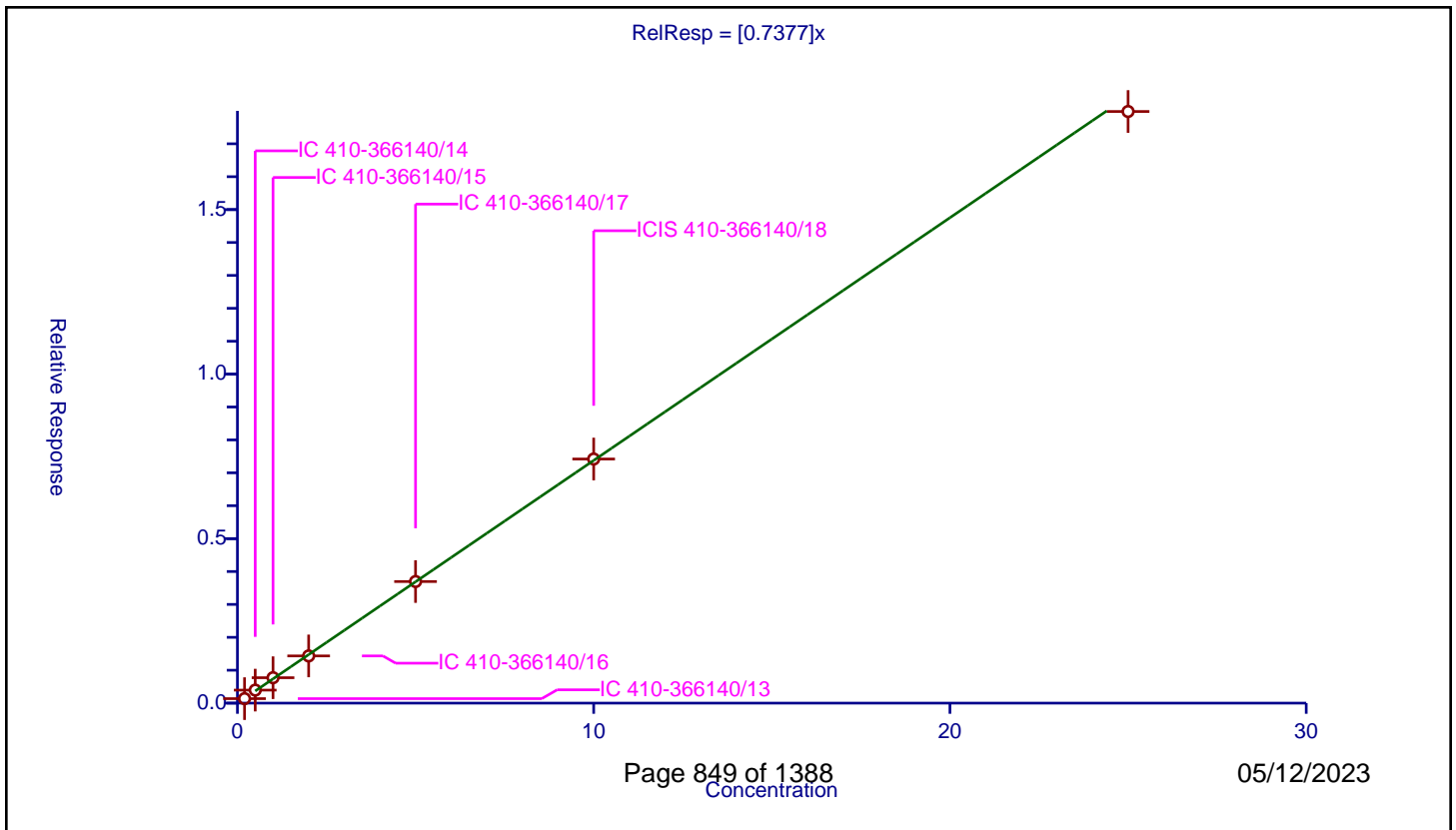
/ Tert-butyl ethyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.7377

Error Coefficients	
Standard Error:	1610000
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 410-366140/13	0.2	0.136567	10.0	1905653.0	0.682837	Y
2	IC 410-366140/14	0.5	0.395231	10.0	1908755.0	0.790463	Y
3	IC 410-366140/15	1.0	0.772251	10.0	1916682.0	0.772251	Y
4	IC 410-366140/16	2.0	1.435163	10.0	1921970.0	0.717581	Y
5	IC 410-366140/17	5.0	3.69604	10.0	1951110.0	0.739208	Y
6	ICIS 410-366140/18	10.0	7.419658	10.0	1983640.0	0.741966	Y
7	IC 410-366140/19	25.0	17.981509	10.0	1993554.0	0.71926	Y



Calibration

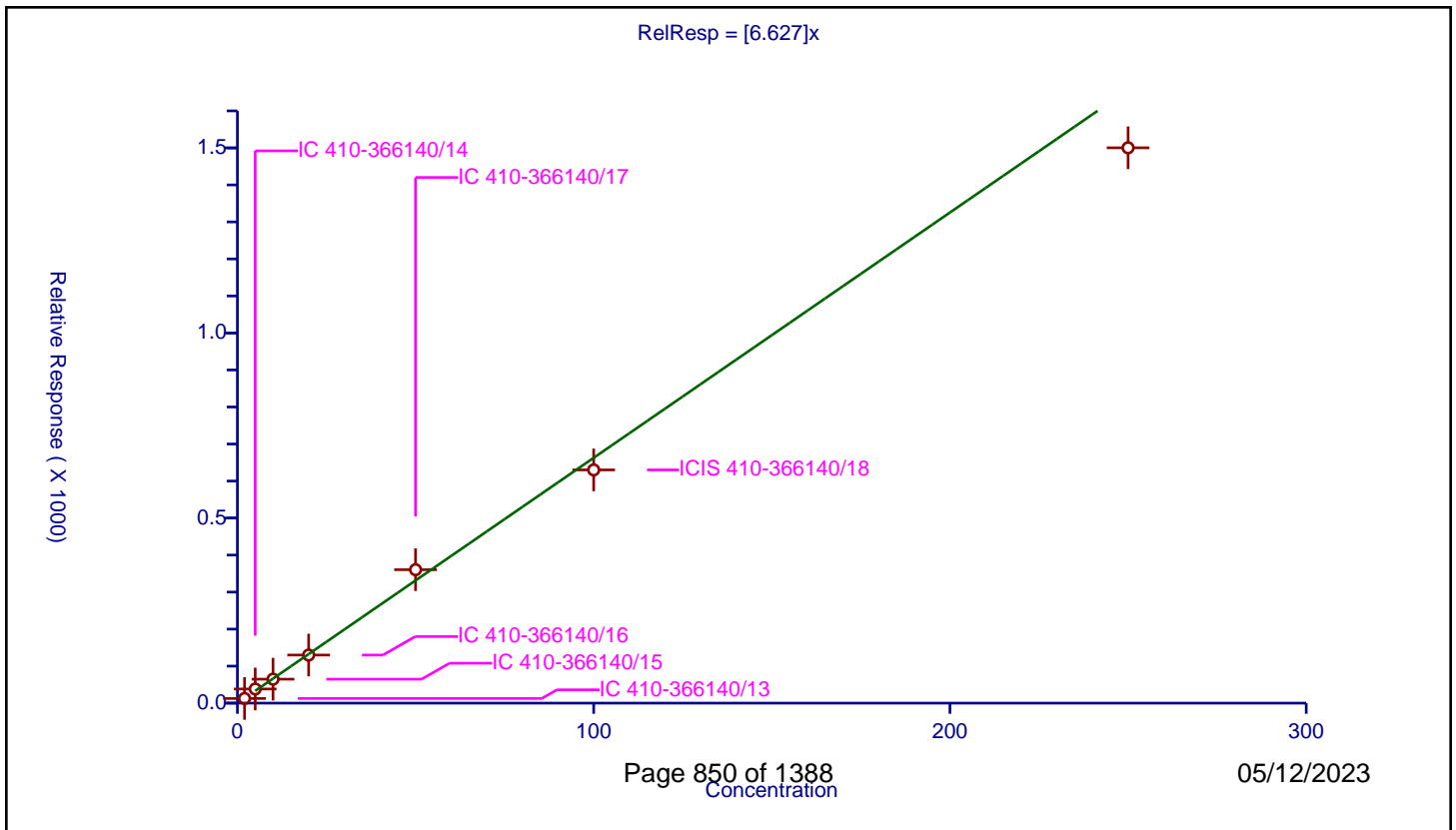
/ 2-Butanone (MEK)

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

Curve Coefficients	
Intercept:	0
Slope:	6.627

Error Coefficients	
Standard Error:	1050000
Relative Standard Error:	8.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	2.0	12.559449	50.0	59505.0	6.279724	Y
2	IC 410-366140/14	5.0	38.153678	50.0	64902.0	7.630736	Y
3	IC 410-366140/15	10.0	64.712316	50.0	74978.0	6.471232	Y
4	IC 410-366140/16	20.0	129.938773	50.0	68924.0	6.496939	Y
5	IC 410-366140/17	50.0	360.477336	50.0	70223.0	7.209547	Y
6	ICIS 410-366140/18	100.0	630.057443	50.0	78513.0	6.300574	Y
7	IC 410-366140/19	250.0	1500.237222	50.0	76932.0	6.000949	Y



Calibration

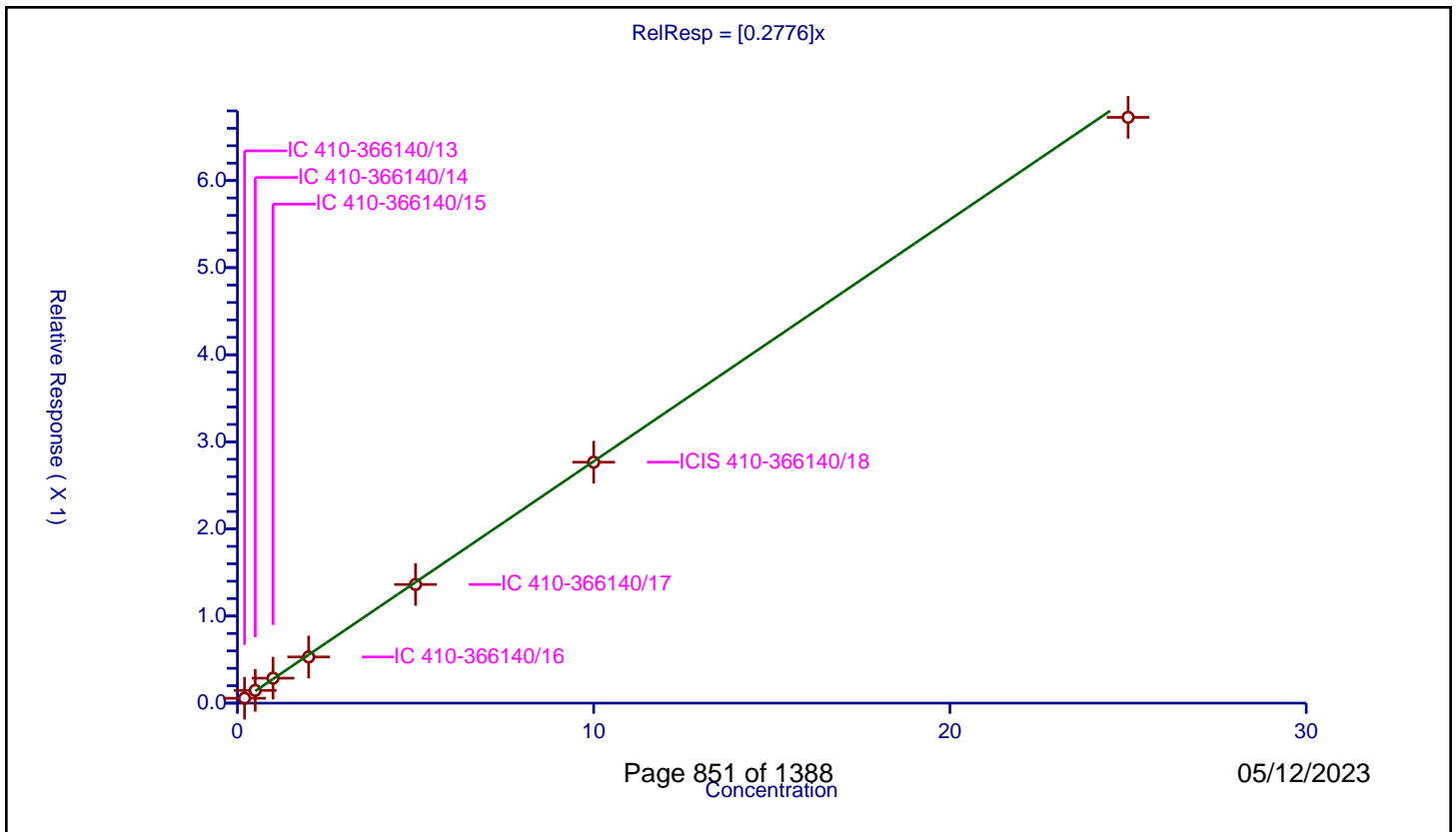
/ cis-1,2-Dichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.2776

Error Coefficients	
Standard Error:	603000
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 410-366140/13	0.2	0.056143	10.0	1905653.0	0.280717	Y
2	IC 410-366140/14	0.5	0.1463	10.0	1908755.0	0.292599	Y
3	IC 410-366140/15	1.0	0.286678	10.0	1916682.0	0.286678	Y
4	IC 410-366140/16	2.0	0.530133	10.0	1921970.0	0.265067	Y
5	IC 410-366140/17	5.0	1.362655	10.0	1951110.0	0.272531	Y
6	ICIS 410-366140/18	10.0	2.766399	10.0	1983640.0	0.27664	Y
7	IC 410-366140/19	25.0	6.725822	10.0	1993554.0	0.269033	Y



Calibration

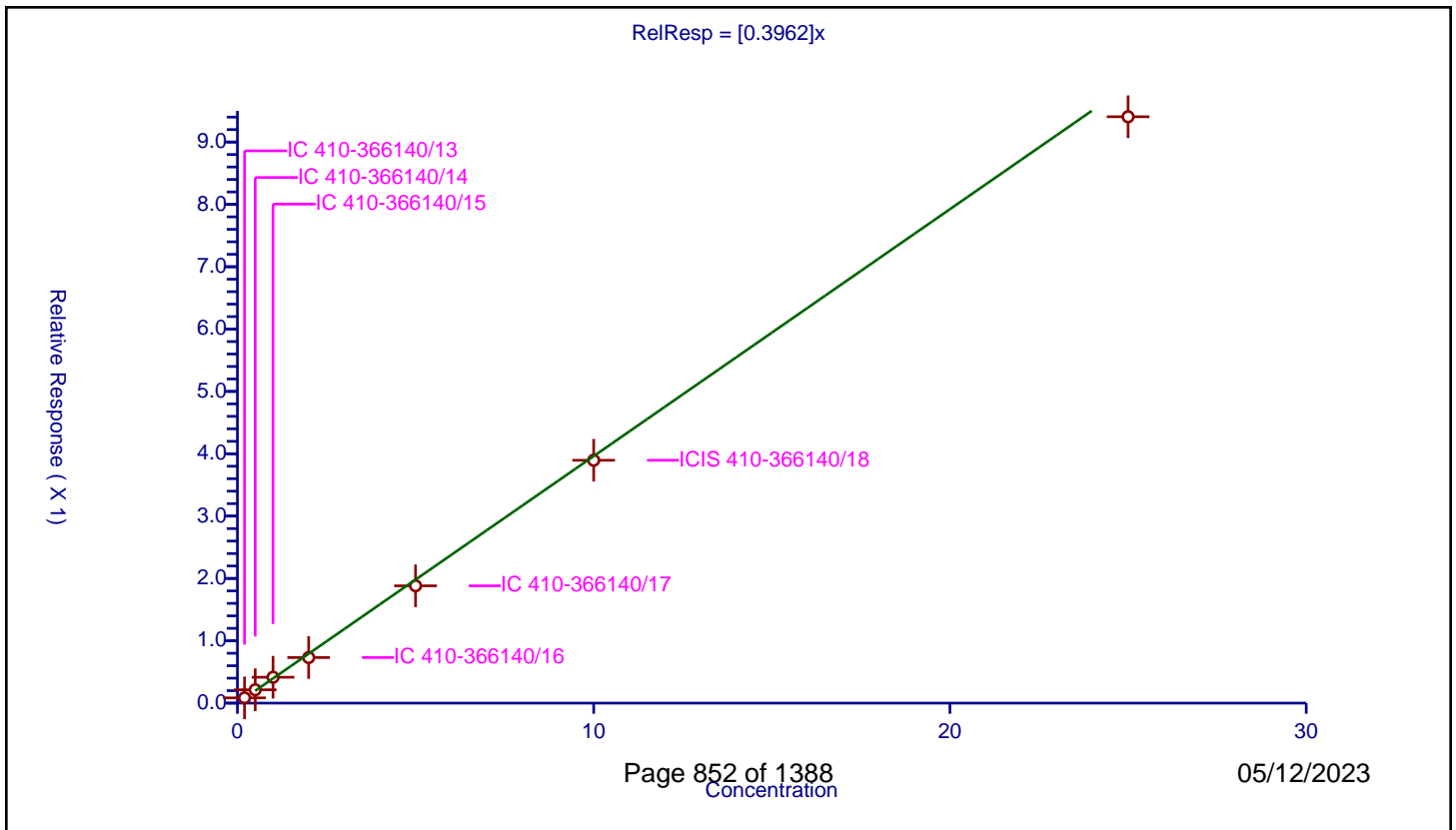
/ 2,2-Dichloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3962

Error Coefficients	
Standard Error:	844000
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 410-366140/13	0.2	0.084417	10.0	1905653.0	0.422086	Y
2	IC 410-366140/14	0.5	0.214213	10.0	1908755.0	0.428426	Y
3	IC 410-366140/15	1.0	0.414957	10.0	1916682.0	0.414957	Y
4	IC 410-366140/16	2.0	0.73114	10.0	1921970.0	0.36557	Y
5	IC 410-366140/17	5.0	1.881529	10.0	1951110.0	0.376306	Y
6	ICIS 410-366140/18	10.0	3.895762	10.0	1983640.0	0.389576	Y
7	IC 410-366140/19	25.0	9.406151	10.0	1993554.0	0.376246	Y



Calibration

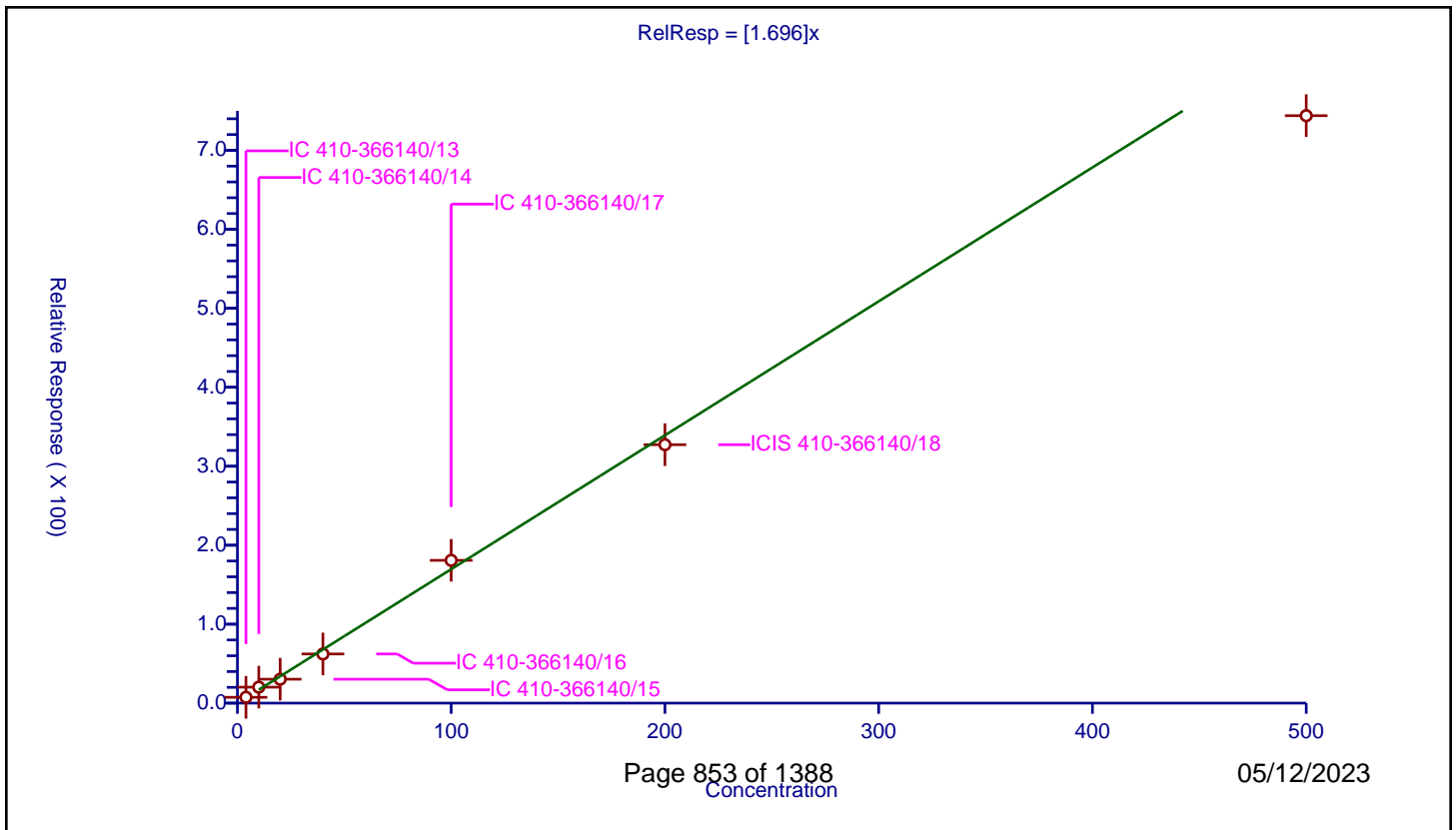
/ Propionitrile

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

Curve Coefficients	
Intercept:	0
Slope:	1.696

Error Coefficients	
Standard Error:	524000
Relative Standard Error:	11.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	4.0	7.378372	50.0	59505.0	1.844593	Y
2	IC 410-366140/14	10.0	20.236665	50.0	64902.0	2.023666	Y
3	IC 410-366140/15	20.0	30.29422	50.0	74978.0	1.514711	Y
4	IC 410-366140/16	40.0	62.232314	50.0	68924.0	1.555808	Y
5	IC 410-366140/17	100.0	180.826083	50.0	70223.0	1.808261	Y
6	ICIS 410-366140/18	200.0	327.268096	50.0	78513.0	1.63634	Y
7	IC 410-366140/19	500.0	743.929704	50.0	76932.0	1.487859	Y



Calibration

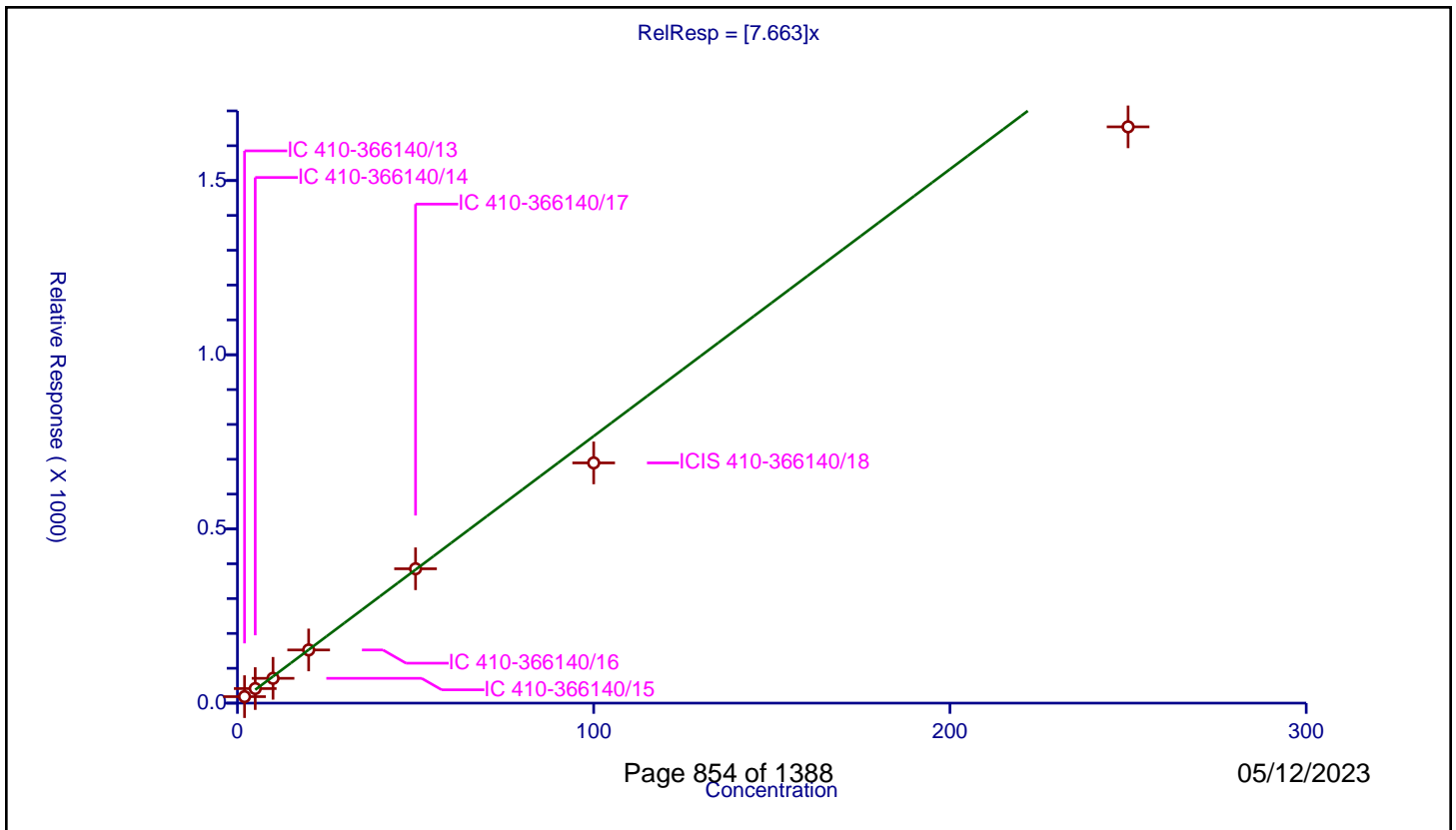
/ Methacrylonitrile

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

Curve Coefficients	
Intercept:	0
Slope:	7.663

Error Coefficients	
Standard Error:	1150000
Relative Standard Error:	12.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	2.0	18.605999	50.0	59505.0	9.303	Y
2	IC 410-366140/14	5.0	41.808419	50.0	64902.0	8.361684	Y
3	IC 410-366140/15	10.0	71.194884	50.0	74978.0	7.119488	Y
4	IC 410-366140/16	20.0	152.59924	50.0	68924.0	7.629962	Y
5	IC 410-366140/17	50.0	385.635048	50.0	70223.0	7.712701	Y
6	ICIS 410-366140/18	100.0	689.564785	50.0	78513.0	6.895648	Y
7	IC 410-366140/19	250.0	1654.184865	50.0	76932.0	6.616739	Y



Calibration

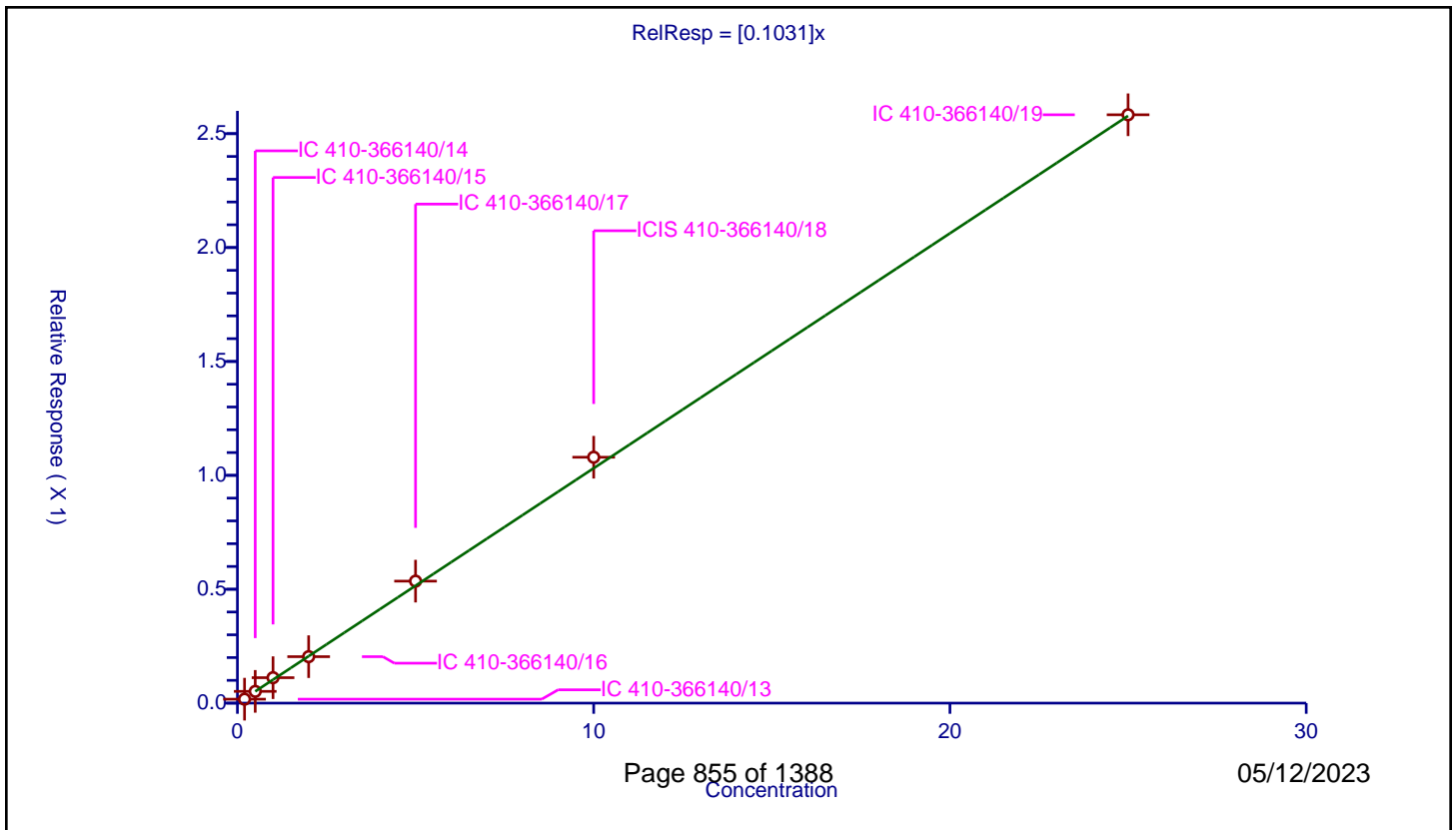
/ Chlorobromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.1031

Error Coefficients	
Standard Error:	232000
Relative Standard Error:	7.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	0.2	0.017333	10.0	1905653.0	0.086663	Y
2	IC 410-366140/14	0.5	0.051573	10.0	1908755.0	0.103146	Y
3	IC 410-366140/15	1.0	0.111677	10.0	1916682.0	0.111677	Y
4	IC 410-366140/16	2.0	0.204004	10.0	1921970.0	0.102002	Y
5	IC 410-366140/17	5.0	0.535628	10.0	1951110.0	0.107126	Y
6	ICIS 410-366140/18	10.0	1.079485	10.0	1983640.0	0.107949	Y
7	IC 410-366140/19	25.0	2.582925	10.0	1993554.0	0.103317	Y



Calibration

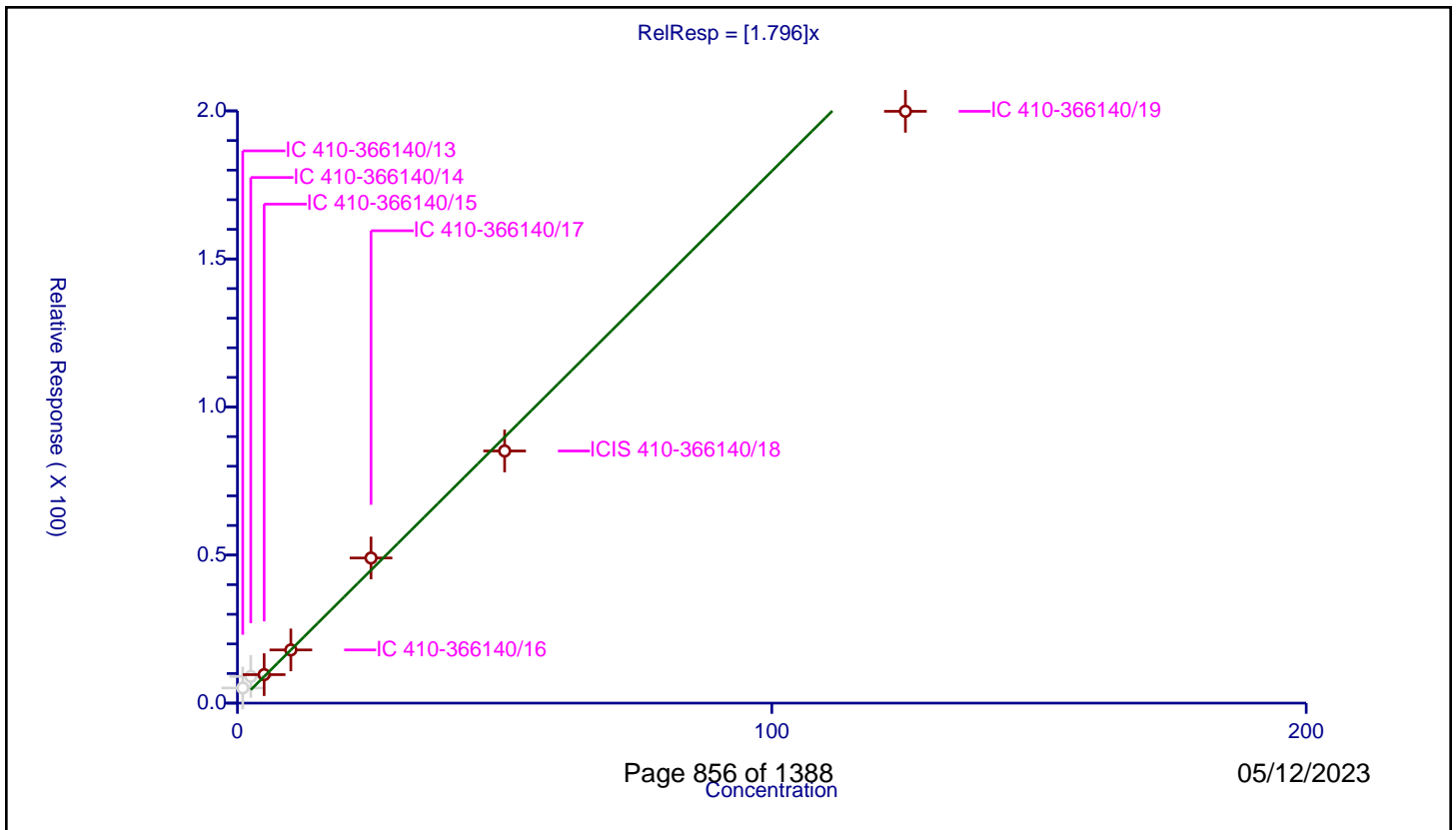
/ Tetrahydrofuran

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

Curve Coefficients	
Intercept:	0
Slope:	1.796

Error Coefficients	
Standard Error:	172000
Relative Standard Error:	8.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	1.0	5.111335	50.0	59505.0	5.111335	N
2	IC 410-366140/14	2.5	8.99433	50.0	64902.0	3.597732	N
3	IC 410-366140/15	5.0	9.618155	50.0	74978.0	1.923631	Y
4	IC 410-366140/16	10.0	17.963264	50.0	68924.0	1.796326	Y
5	IC 410-366140/17	25.0	49.010296	50.0	70223.0	1.960412	Y
6	ICIS 410-366140/18	50.0	85.155325	50.0	78513.0	1.703106	Y
7	IC 410-366140/19	125.0	199.855067	50.0	76932.0	1.598841	Y



Calibration

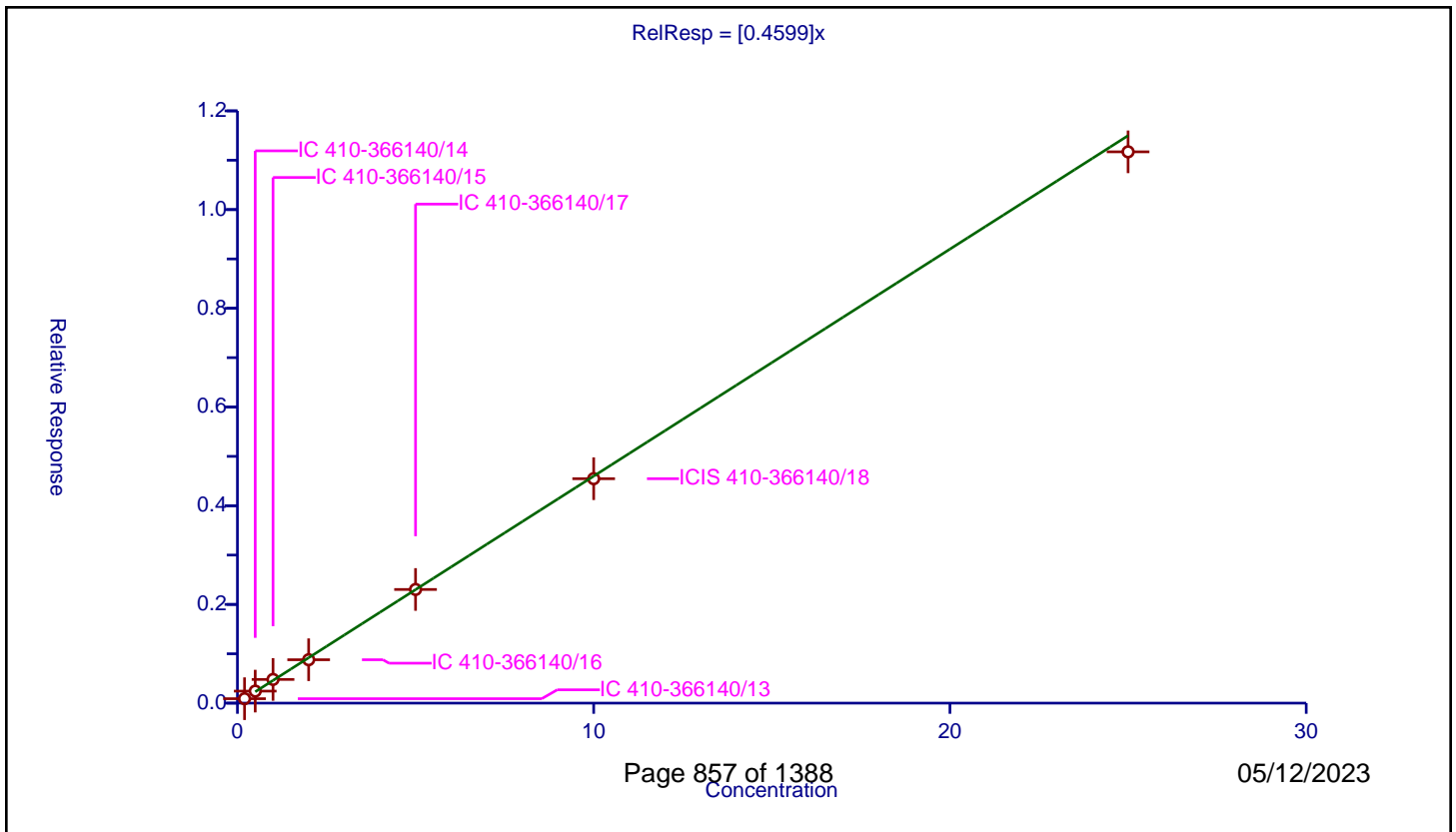
/ Chloroform

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

Curve Coefficients	
Intercept:	0
Slope:	0.4599

Error Coefficients	
Standard Error:	1000000
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 410-366140/13	0.2	0.090037	10.0	1905653.0	0.450187	Y
2	IC 410-366140/14	0.5	0.243798	10.0	1908755.0	0.487595	Y
3	IC 410-366140/15	1.0	0.480033	10.0	1916682.0	0.480033	Y
4	IC 410-366140/16	2.0	0.879348	10.0	1921970.0	0.439674	Y
5	IC 410-366140/17	5.0	2.30274	10.0	1951110.0	0.460548	Y
6	ICIS 410-366140/18	10.0	4.547599	10.0	1983640.0	0.45476	Y
7	IC 410-366140/19	25.0	11.170693	10.0	1993554.0	0.446828	Y



Calibration

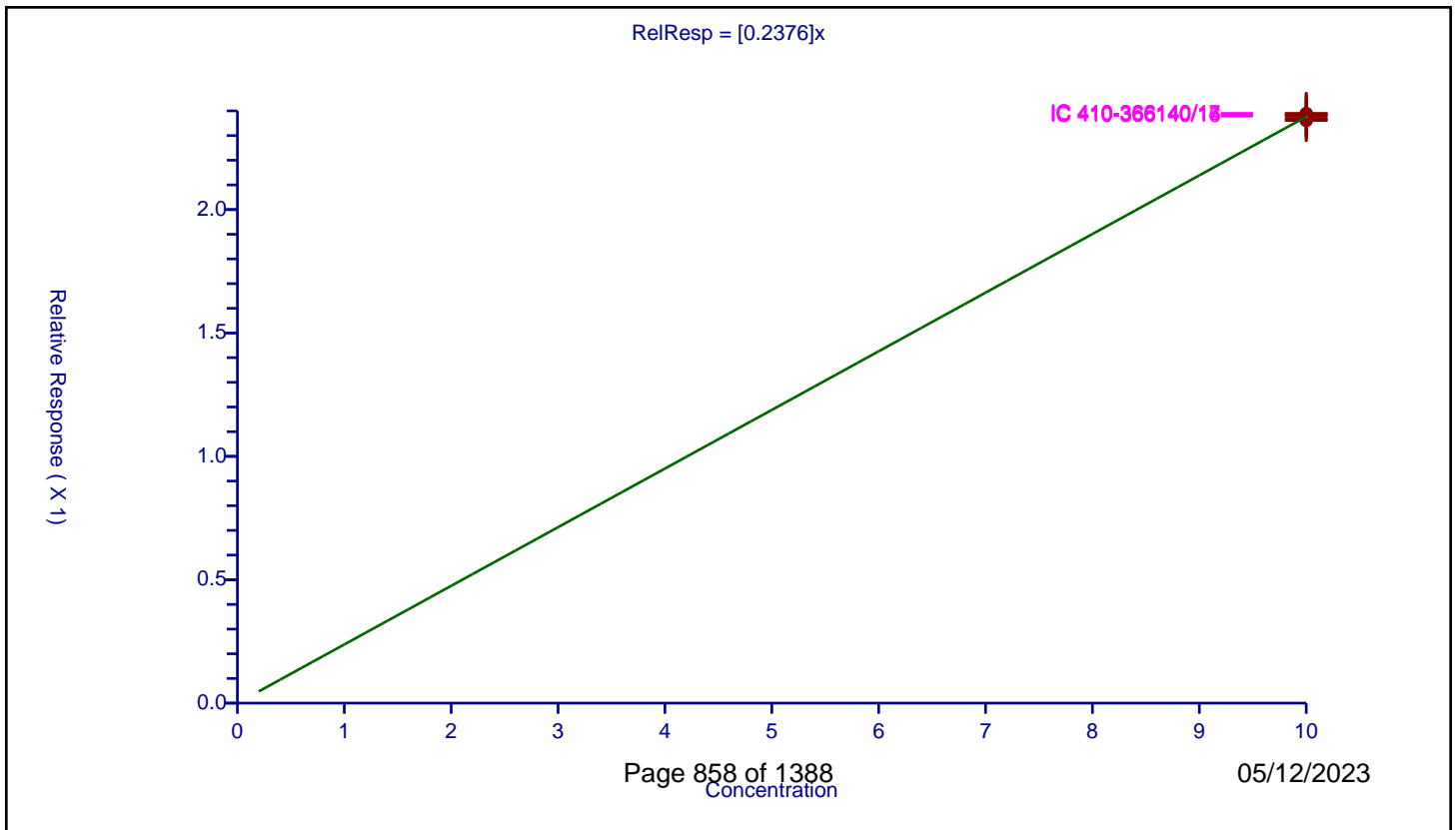
/ Dibromofluoromethane (Surr)

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

Curve Coefficients	
Intercept:	0
Slope:	0.2376

Error Coefficients	
Standard Error:	498000
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 410-366140/13	10.0	2.388614	10.0	1905653.0	0.238861	Y
2	IC 410-366140/14	10.0	2.38282	10.0	1908755.0	0.238282	Y
3	IC 410-366140/15	10.0	2.364117	10.0	1916682.0	0.236412	Y
4	IC 410-366140/16	10.0	2.378971	10.0	1921970.0	0.237897	Y
5	IC 410-366140/17	10.0	2.389178	10.0	1951110.0	0.238918	Y
6	ICIS 410-366140/18	10.0	2.369639	10.0	1983640.0	0.236964	Y
7	IC 410-366140/19	10.0	2.360969	10.0	1993554.0	0.236097	Y



Calibration

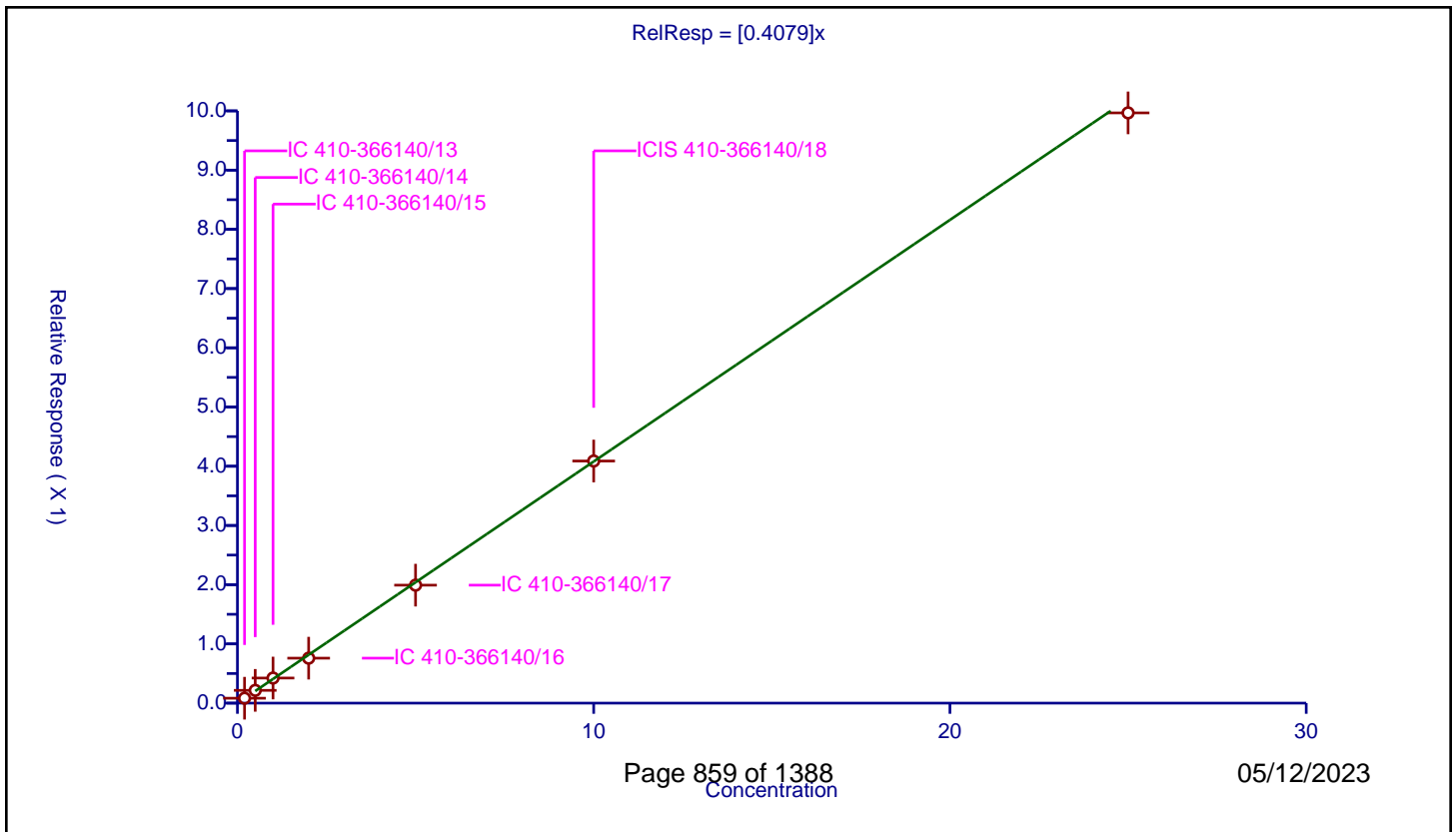
/ 1,1,1-Trichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4079

Error Coefficients	
Standard Error:	893000
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 410-366140/13	0.2	0.082974	10.0	1905653.0	0.414871	Y
2	IC 410-366140/14	0.5	0.215779	10.0	1908755.0	0.431559	Y
3	IC 410-366140/15	1.0	0.423727	10.0	1916682.0	0.423727	Y
4	IC 410-366140/16	2.0	0.759205	10.0	1921970.0	0.379603	Y
5	IC 410-366140/17	5.0	1.991964	10.0	1951110.0	0.398393	Y
6	ICIS 410-366140/18	10.0	4.088212	10.0	1983640.0	0.408821	Y
7	IC 410-366140/19	25.0	9.966046	10.0	1993554.0	0.398642	Y



Calibration

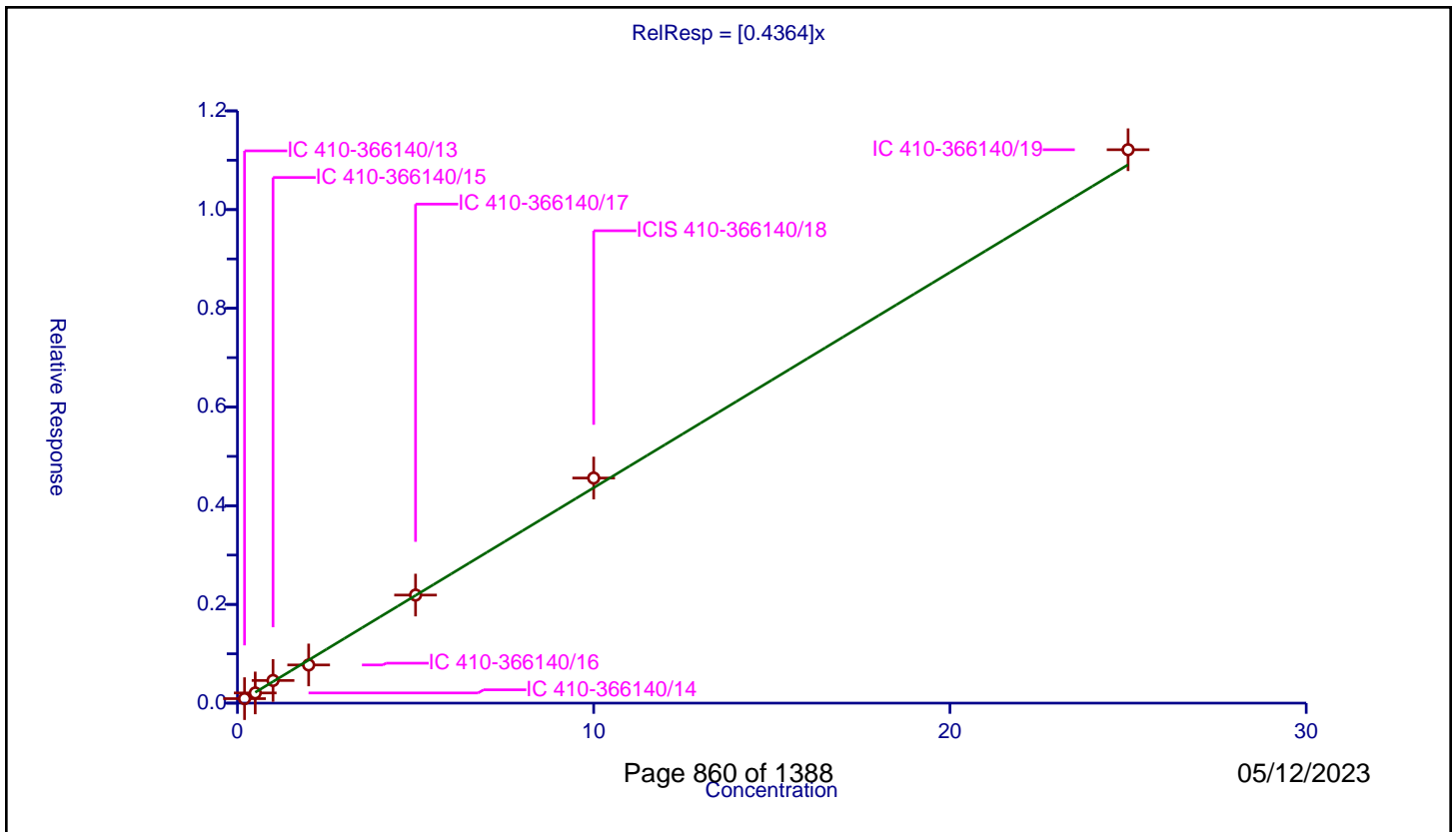
/ Cyclohexane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4364

Error Coefficients	
Standard Error:	1000000
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 410-366140/13	0.2	0.090798	10.0	1905653.0	0.453991	Y
2	IC 410-366140/14	0.5	0.206171	10.0	1908755.0	0.412342	Y
3	IC 410-366140/15	1.0	0.459017	10.0	1916682.0	0.459017	Y
4	IC 410-366140/16	2.0	0.773685	10.0	1921970.0	0.386843	Y
5	IC 410-366140/17	5.0	2.189436	10.0	1951110.0	0.437887	Y
6	ICIS 410-366140/18	10.0	4.560636	10.0	1983640.0	0.456064	Y
7	IC 410-366140/19	25.0	11.213421	10.0	1993554.0	0.448537	Y



Calibration

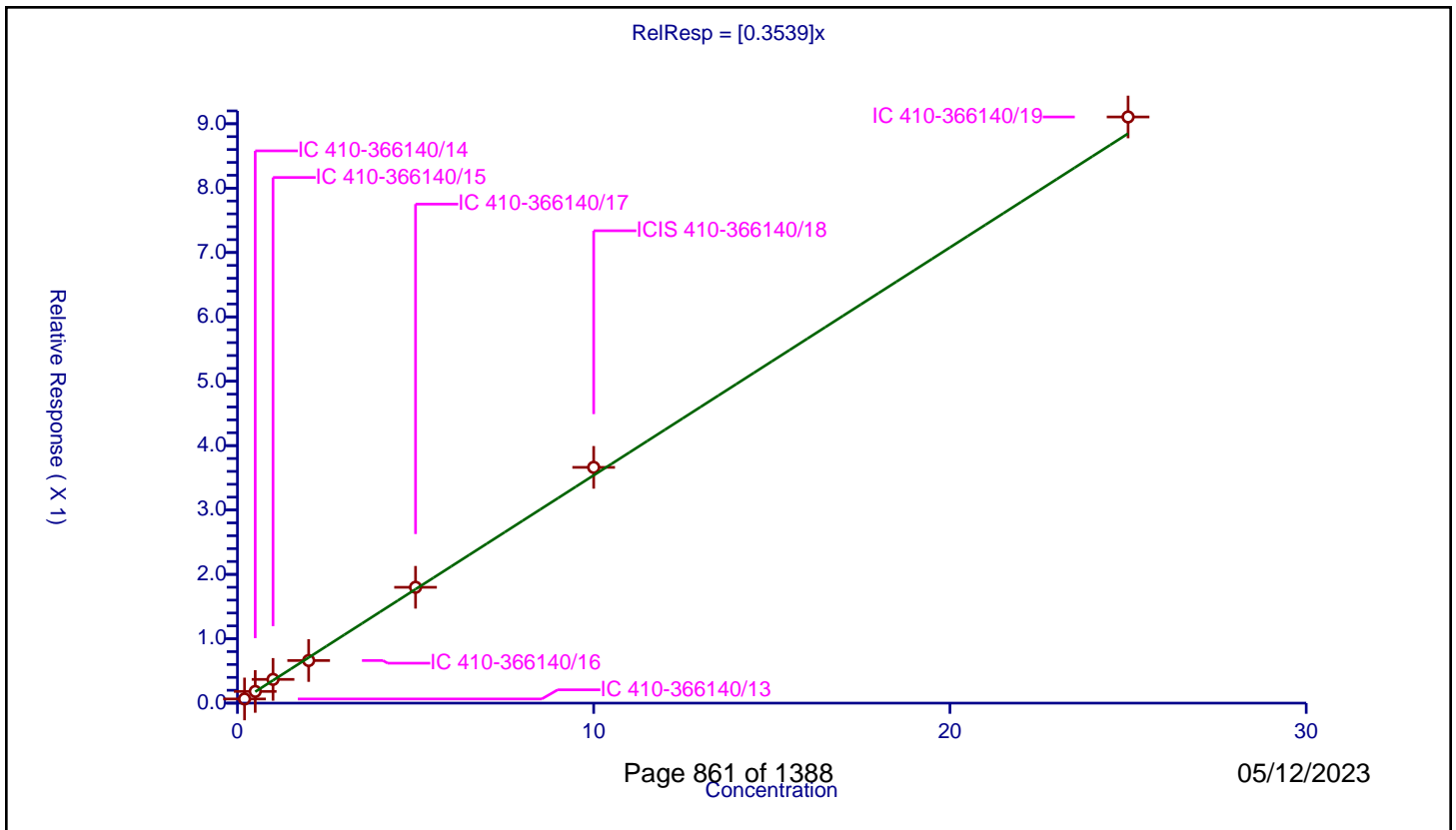
/ 1,1-Dichloropropene

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

Curve Coefficients	
Intercept:	0
Slope:	0.3539

Error Coefficients	
Standard Error:	813000
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 410-366140/13	0.2	0.064744	10.0	1905653.0	0.323721	Y
2	IC 410-366140/14	0.5	0.181836	10.0	1908755.0	0.363672	Y
3	IC 410-366140/15	1.0	0.368788	10.0	1916682.0	0.368788	Y
4	IC 410-366140/16	2.0	0.661759	10.0	1921970.0	0.330879	Y
5	IC 410-366140/17	5.0	1.799412	10.0	1951110.0	0.359882	Y
6	ICIS 410-366140/18	10.0	3.662378	10.0	1983640.0	0.366238	Y
7	IC 410-366140/19	25.0	9.105783	10.0	1993554.0	0.364231	Y



Calibration

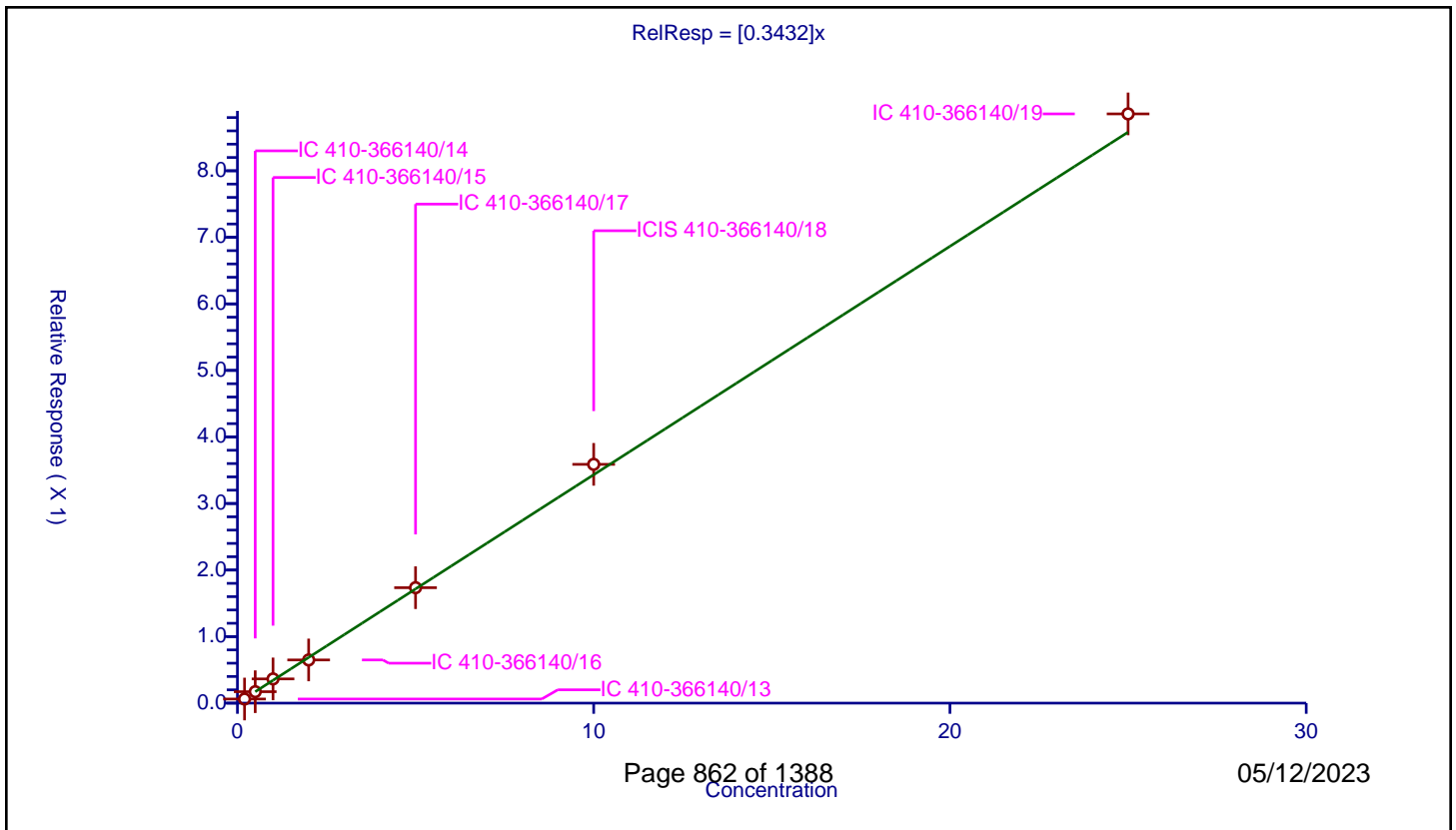
/ Carbon tetrachloride

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

Curve Coefficients	
Intercept:	0
Slope:	0.3432

Error Coefficients	
Standard Error:	792000
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 410-366140/13	0.2	0.062026	10.0	1905653.0	0.31013	Y
2	IC 410-366140/14	0.5	0.171955	10.0	1908755.0	0.34391	Y
3	IC 410-366140/15	1.0	0.364161	10.0	1916682.0	0.364161	Y
4	IC 410-366140/16	2.0	0.648881	10.0	1921970.0	0.324441	Y
5	IC 410-366140/17	5.0	1.734864	10.0	1951110.0	0.346973	Y
6	ICIS 410-366140/18	10.0	3.588217	10.0	1983640.0	0.358822	Y
7	IC 410-366140/19	25.0	8.854729	10.0	1993554.0	0.354189	Y



Calibration

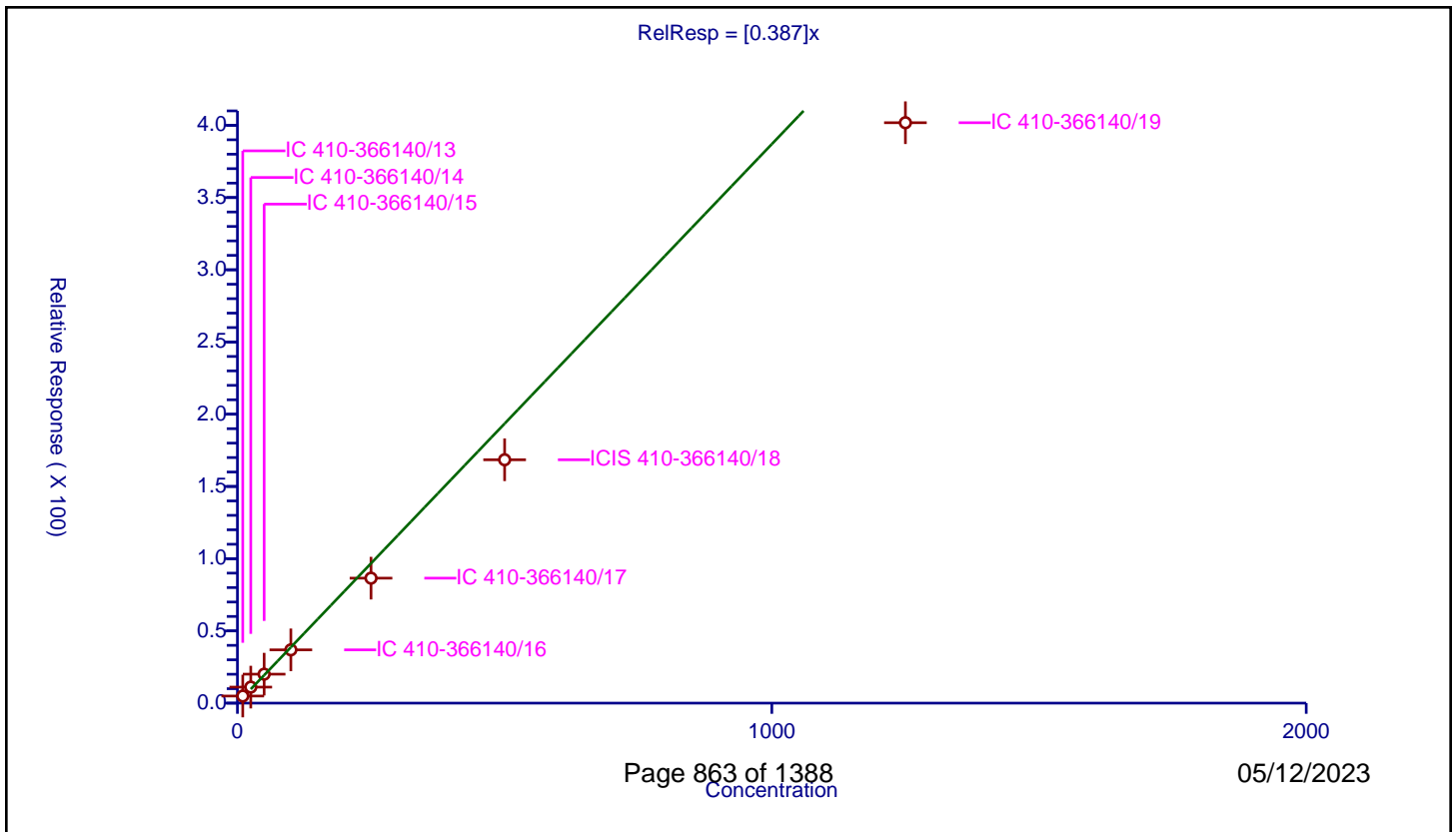
/ Isobutyl alcohol

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

Curve Coefficients	
Intercept:	0
Slope:	0.387

Error Coefficients	
Standard Error:	280000
Relative Standard Error:	16.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.957

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	10.0	4.909671	50.0	59505.0	0.490967	Y
2	IC 410-366140/14	25.0	11.09673	50.0	64902.0	0.443869	Y
3	IC 410-366140/15	50.0	20.044546	50.0	74978.0	0.400891	Y
4	IC 410-366140/16	100.0	36.883379	50.0	68924.0	0.368834	Y
5	IC 410-366140/17	250.0	86.523646	50.0	70223.0	0.346095	Y
6	ICIS 410-366140/18	500.0	168.481653	50.0	78513.0	0.336963	Y
7	IC 410-366140/19	1250.0	401.80679	50.0	76932.0	0.321445	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

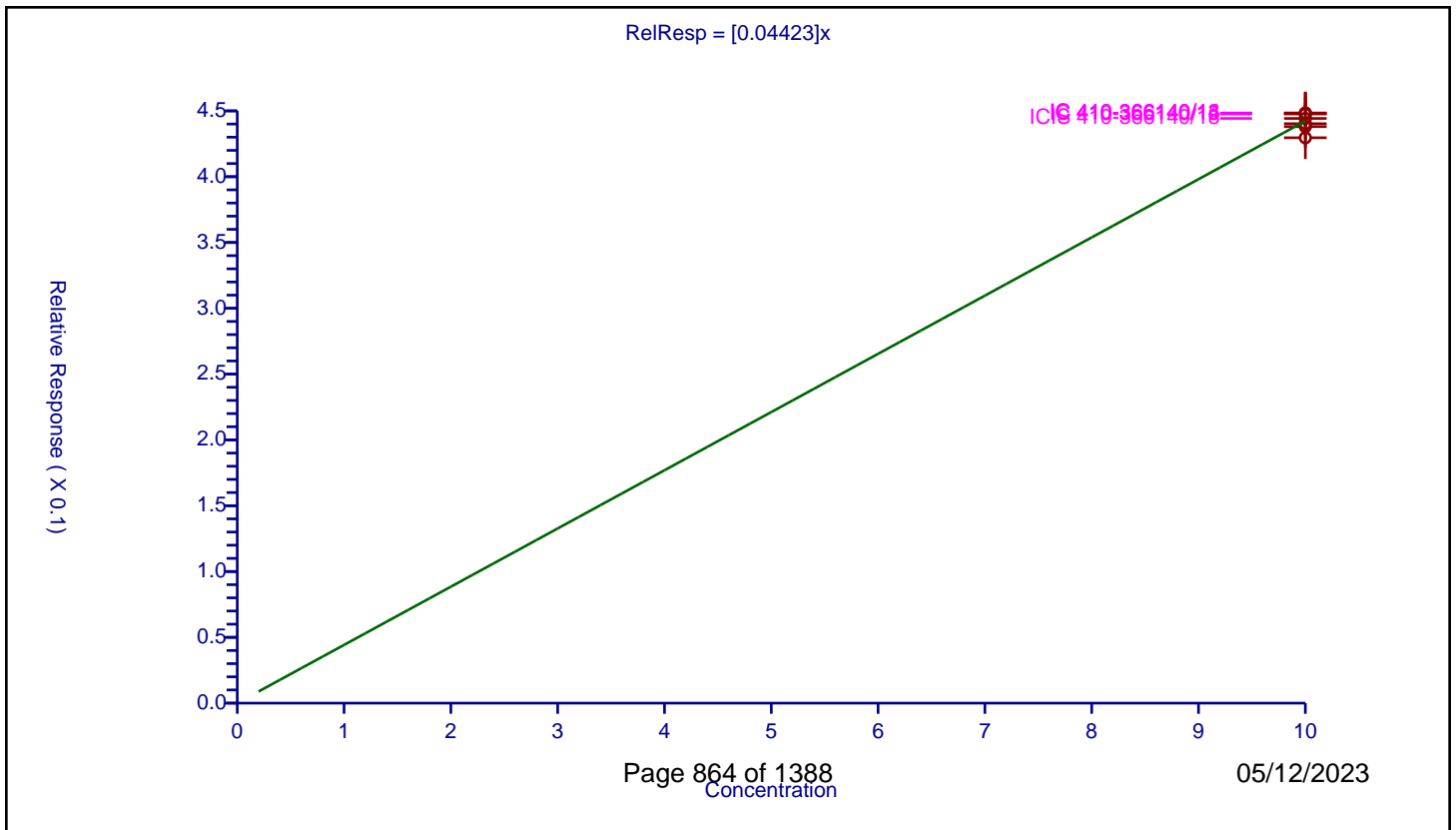
Curve Coefficients

Intercept: 0
 Slope: 0.04423

Error Coefficients

Standard Error: 92700
 Relative Standard Error: 1.6
 Correlation Coefficient: 0.00000000000000000000
 Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	10.0	0.448067	10.0	1905653.0	0.044807	Y
2	IC 410-366140/14	10.0	0.448407	10.0	1908755.0	0.044841	Y
3	IC 410-366140/15	10.0	0.447654	10.0	1916682.0	0.044765	Y
4	IC 410-366140/16	10.0	0.43803	10.0	1921970.0	0.043803	Y
5	IC 410-366140/17	10.0	0.440272	10.0	1951110.0	0.044027	Y
6	ICIS 410-366140/18	10.0	0.444244	10.0	1983640.0	0.044424	Y
7	IC 410-366140/19	10.0	0.429585	10.0	1993554.0	0.042958	Y



Calibration

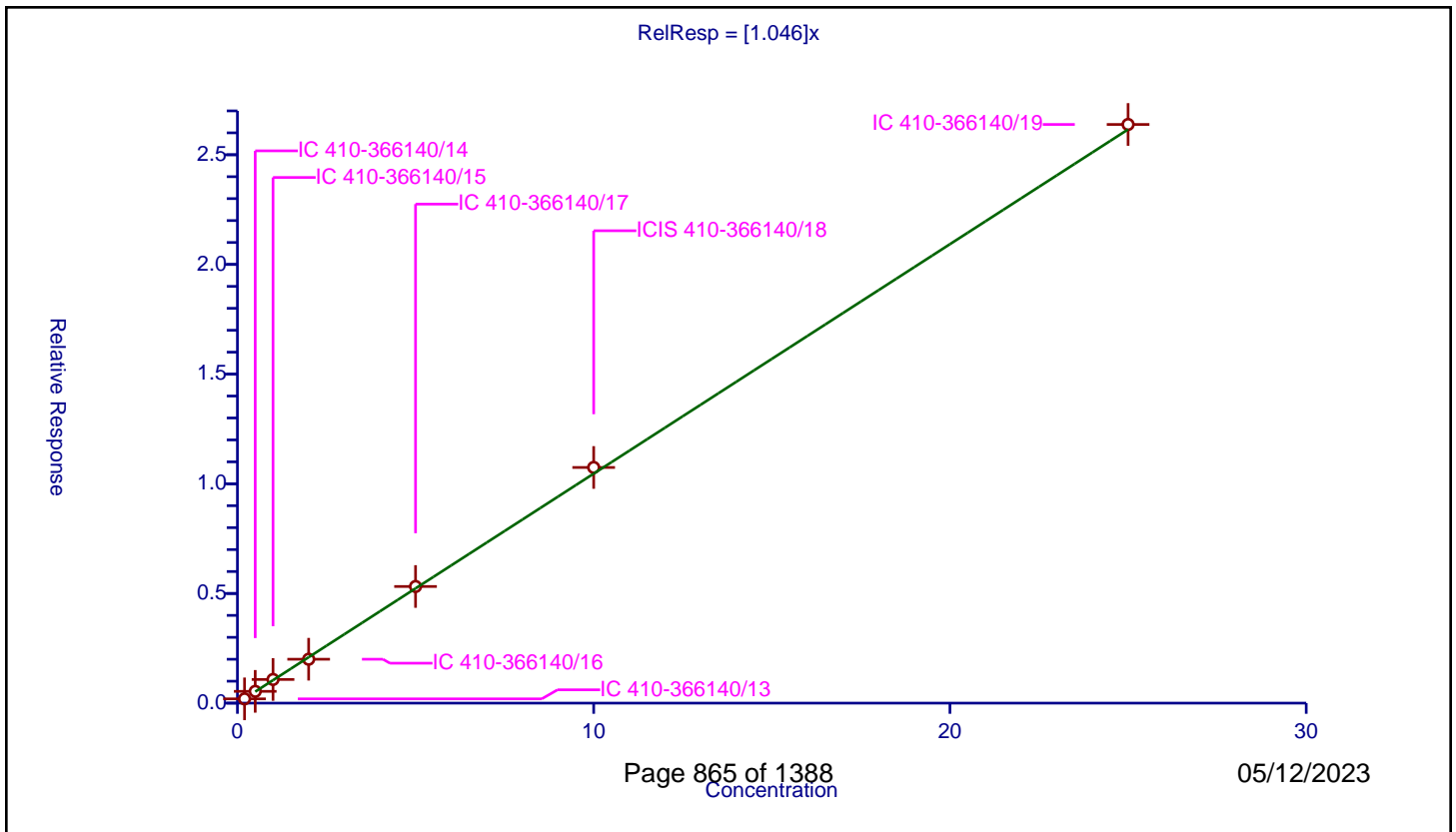
/ Benzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.046

Error Coefficients	
Standard Error:	2360000
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 410-366140/13	0.2	0.194899	10.0	1905653.0	0.974495	Y
2	IC 410-366140/14	0.5	0.537738	10.0	1908755.0	1.075476	Y
3	IC 410-366140/15	1.0	1.079381	10.0	1916682.0	1.079381	Y
4	IC 410-366140/16	2.0	2.001483	10.0	1921970.0	1.000741	Y
5	IC 410-366140/17	5.0	5.31767	10.0	1951110.0	1.063534	Y
6	ICIS 410-366140/18	10.0	10.744142	10.0	1983640.0	1.074414	Y
7	IC 410-366140/19	25.0	26.380514	10.0	1993554.0	1.055221	Y



Calibration

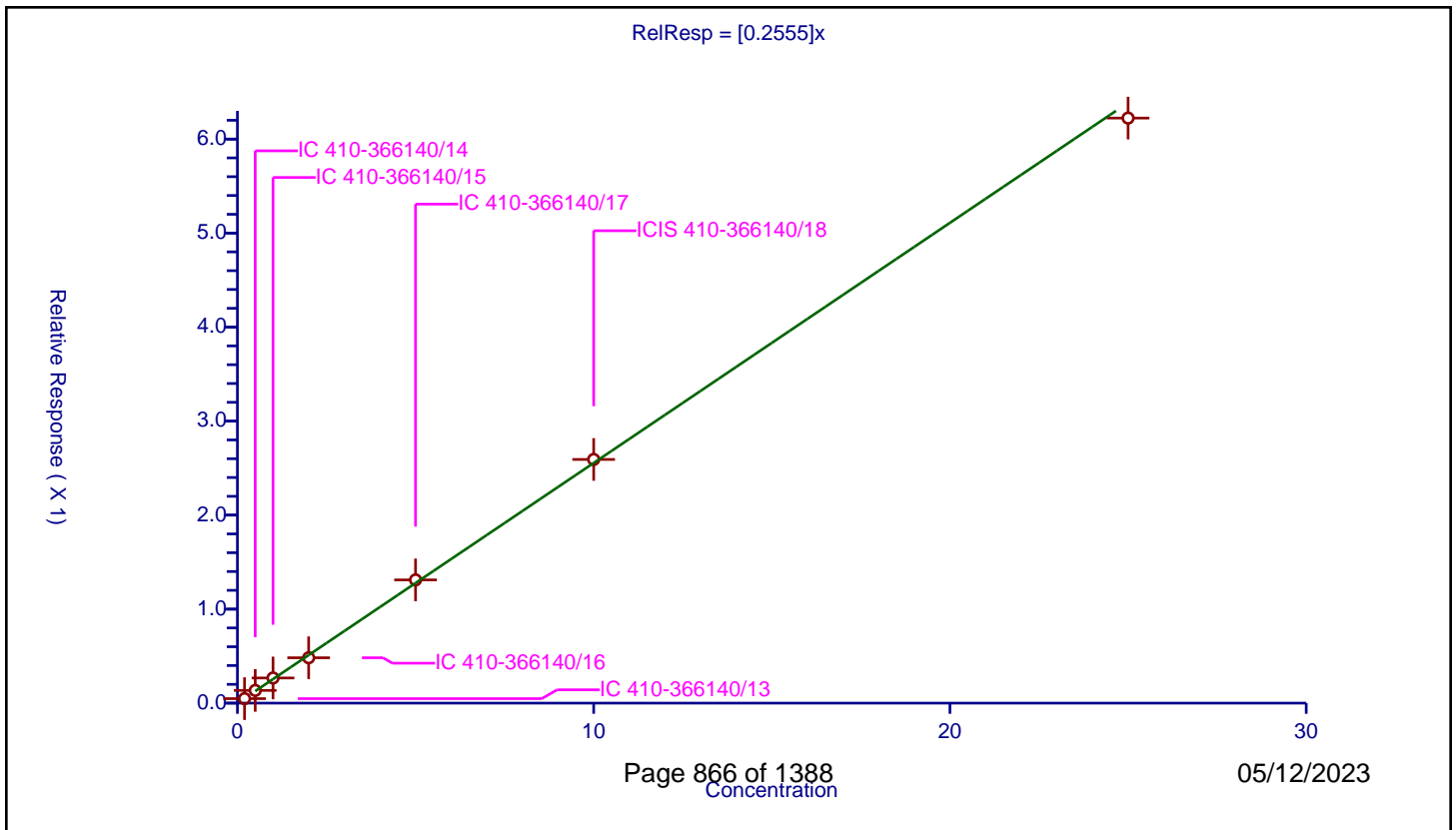
/ 1,2-Dichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2555

Error Coefficients	
Standard Error:	560000
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 410-366140/13	0.2	0.047716	10.0	1905653.0	0.23858	Y
2	IC 410-366140/14	0.5	0.135235	10.0	1908755.0	0.270469	Y
3	IC 410-366140/15	1.0	0.267525	10.0	1916682.0	0.267525	Y
4	IC 410-366140/16	2.0	0.48264	10.0	1921970.0	0.24132	Y
5	IC 410-366140/17	5.0	1.310859	10.0	1951110.0	0.262172	Y
6	ICIS 410-366140/18	10.0	2.592255	10.0	1983640.0	0.259225	Y
7	IC 410-366140/19	25.0	6.223483	10.0	1993554.0	0.248939	Y



Calibration

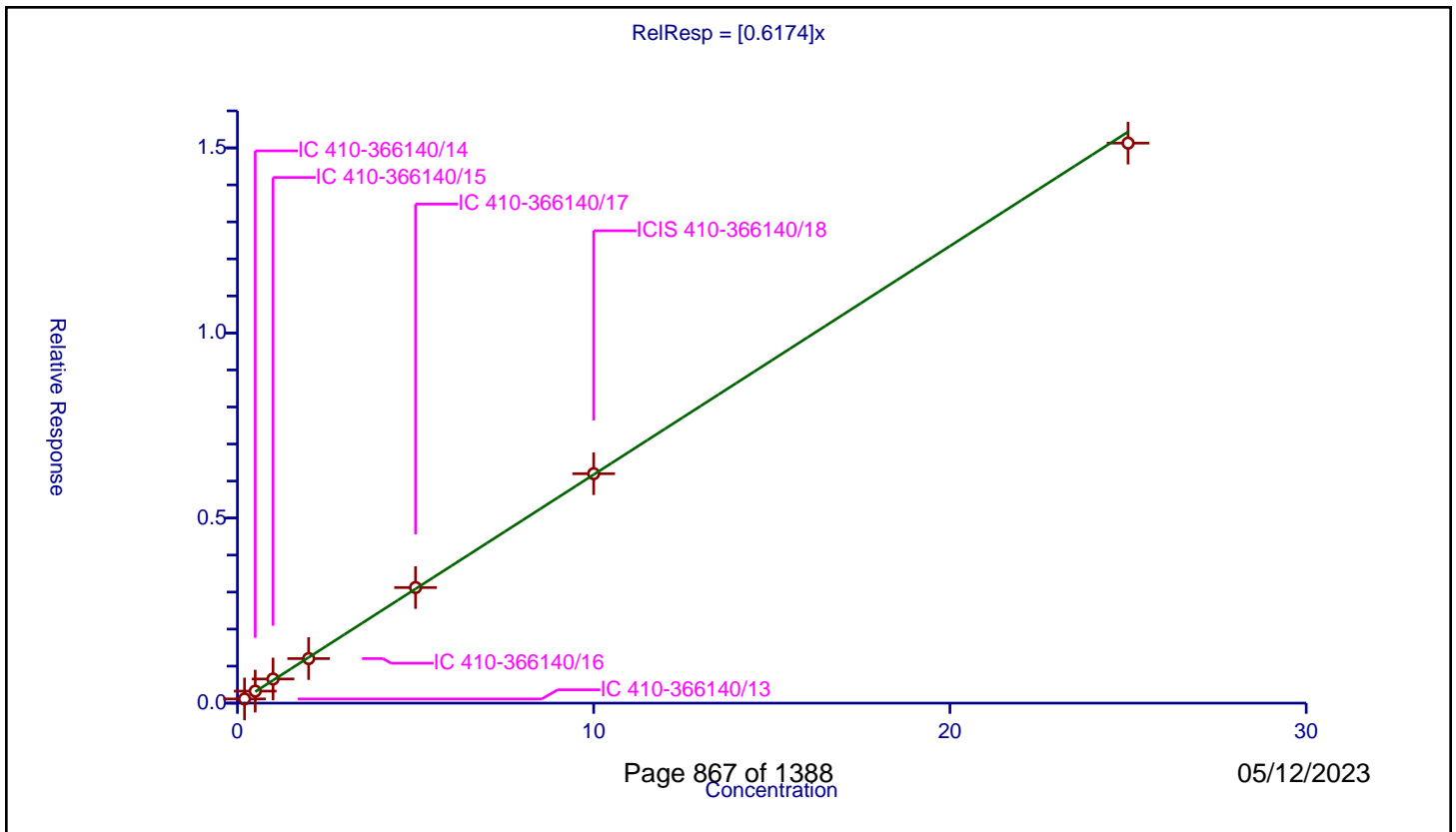
/ Tert-amyl methyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.6174

Error Coefficients	
Standard Error:	1360000
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 410-366140/13	0.2	0.113651	10.0	1905653.0	0.568257	Y
2	IC 410-366140/14	0.5	0.324924	10.0	1908755.0	0.649848	Y
3	IC 410-366140/15	1.0	0.652607	10.0	1916682.0	0.652607	Y
4	IC 410-366140/16	2.0	1.203083	10.0	1921970.0	0.601542	Y
5	IC 410-366140/17	5.0	3.122151	10.0	1951110.0	0.62443	Y
6	ICIS 410-366140/18	10.0	6.198403	10.0	1983640.0	0.61984	Y
7	IC 410-366140/19	25.0	15.129171	10.0	1993554.0	0.605167	Y



Calibration

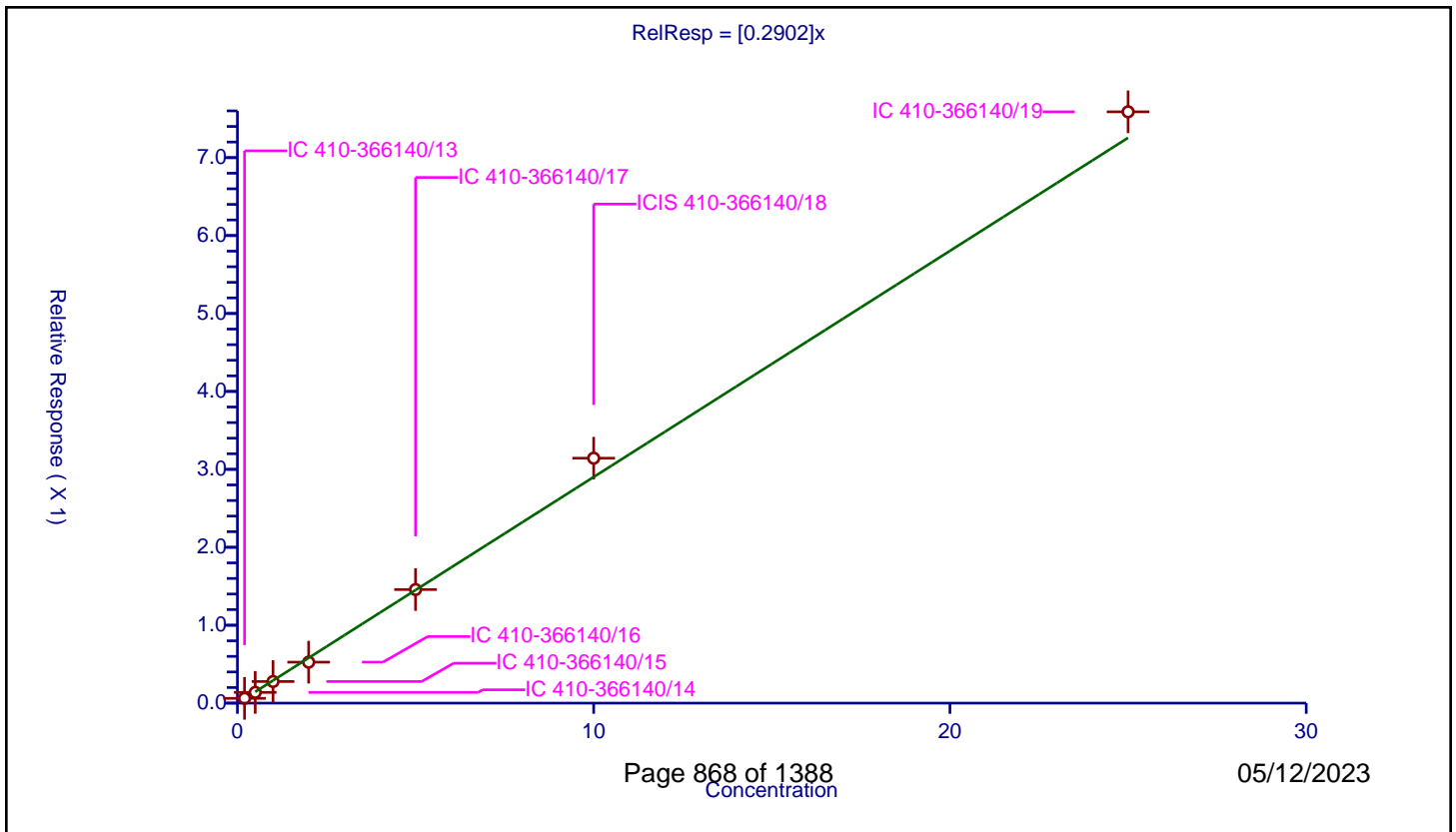
/ n-Heptane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2902

Error Coefficients	
Standard Error:	680000
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 410-366140/13	0.2	0.06127	10.0	1905653.0	0.306352	Y
2	IC 410-366140/14	0.5	0.137739	10.0	1908755.0	0.275478	Y
3	IC 410-366140/15	1.0	0.277213	10.0	1916682.0	0.277213	Y
4	IC 410-366140/16	2.0	0.525903	10.0	1921970.0	0.262952	Y
5	IC 410-366140/17	5.0	1.457355	10.0	1951110.0	0.291471	Y
6	ICIS 410-366140/18	10.0	3.143035	10.0	1983640.0	0.314304	Y
7	IC 410-366140/19	25.0	7.587991	10.0	1993554.0	0.30352	Y



Calibration

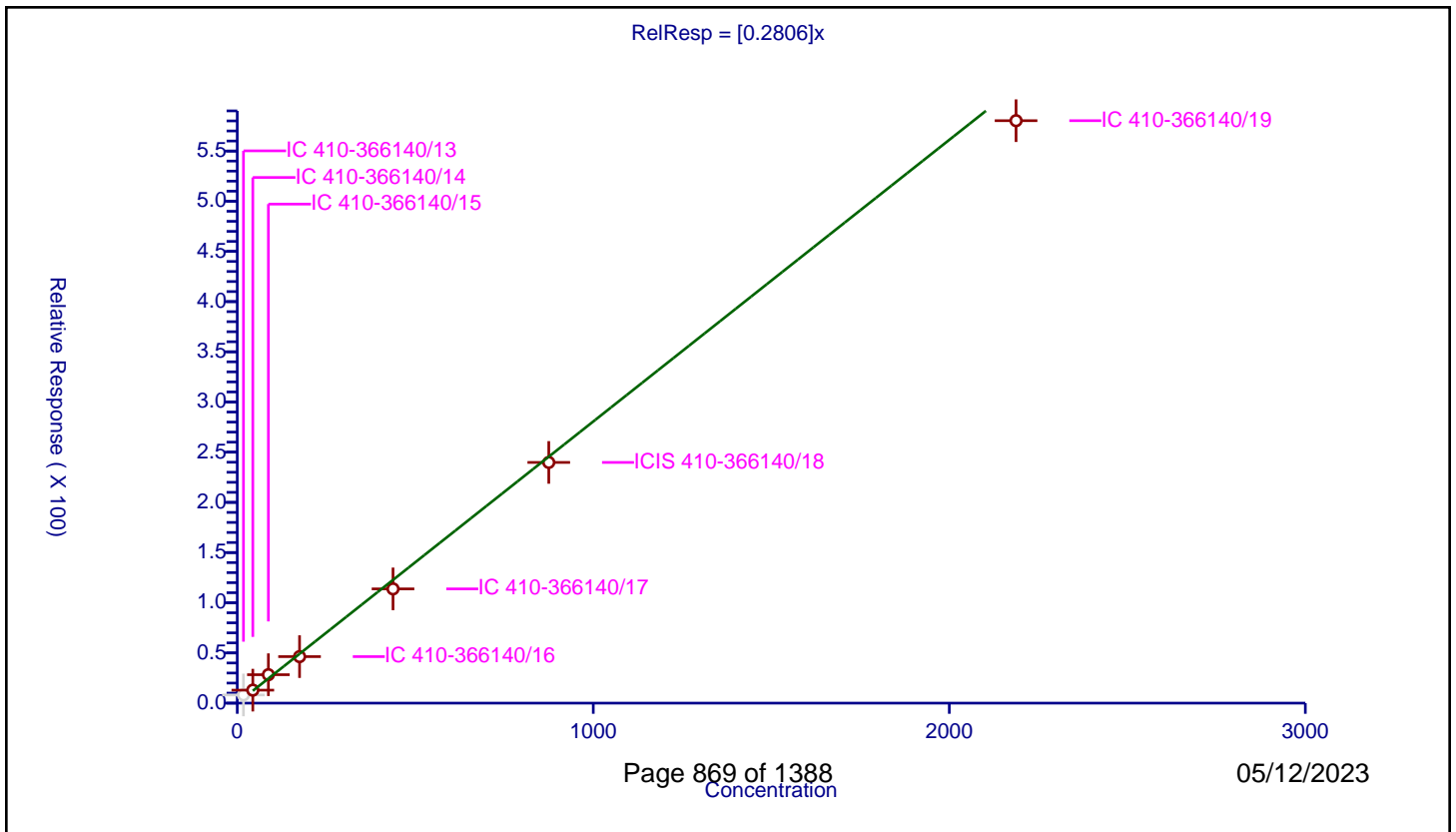
/ n-Butanol

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

Curve Coefficients	
Intercept:	0
Slope:	0.2806

Error Coefficients	
Standard Error:	440000
Relative Standard Error:	8.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	17.5	8.16486	50.0	59505.0	0.466563	N
2	IC 410-366140/14	43.75	12.92256	50.0	64902.0	0.295373	Y
3	IC 410-366140/15	87.5	28.335645	50.0	74978.0	0.323836	Y
4	IC 410-366140/16	175.0	46.333643	50.0	68924.0	0.264764	Y
5	IC 410-366140/17	437.5	113.820258	50.0	70223.0	0.260161	Y
6	ICIS 410-366140/18	875.0	239.795957	50.0	78513.0	0.274053	Y
7	IC 410-366140/19	2187.5	580.226044	50.0	76932.0	0.265246	Y



Calibration

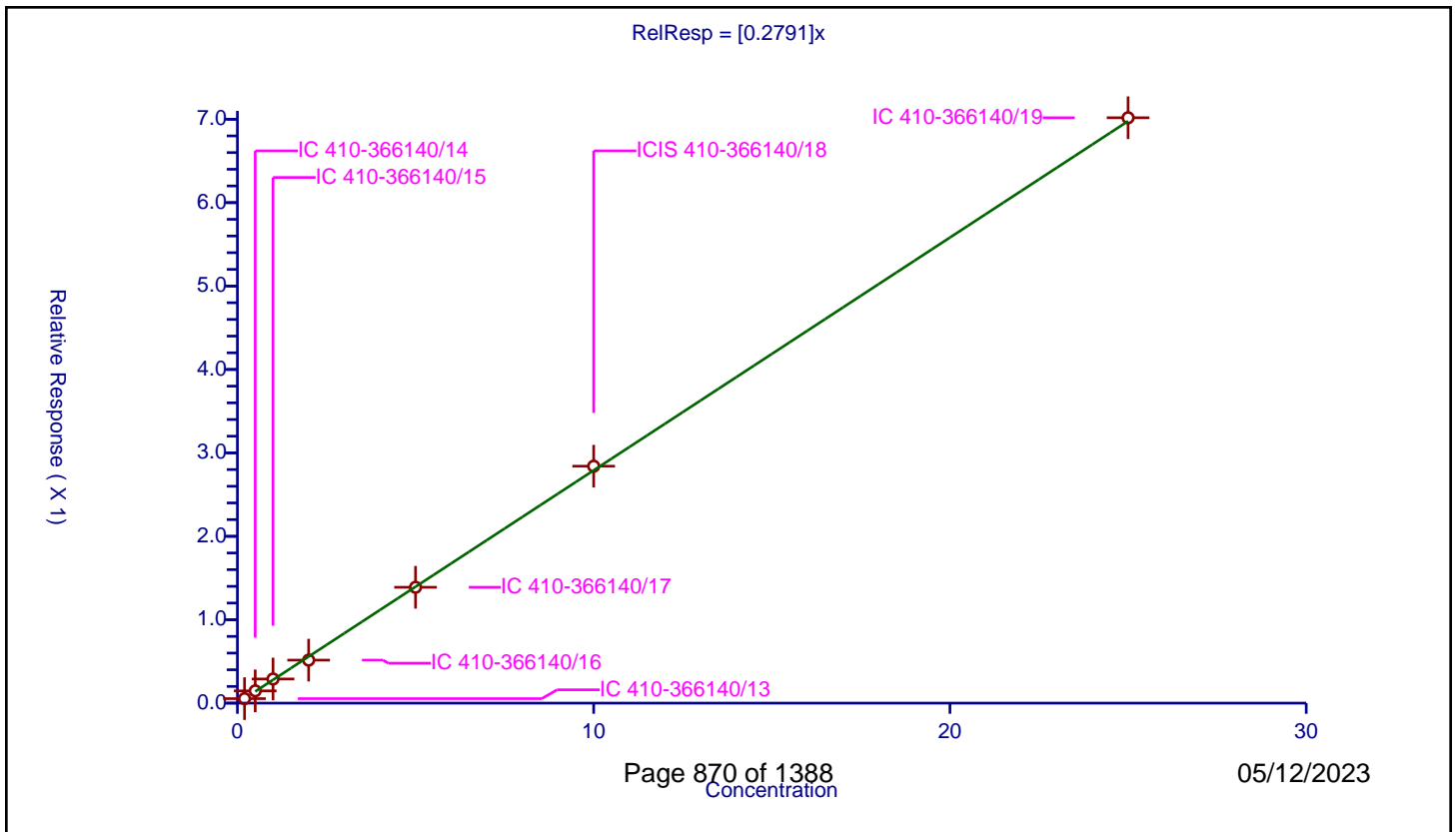
/ Trichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.2791

Error Coefficients	
Standard Error:	627000
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 410-366140/13	0.2	0.053955	10.0	1905653.0	0.269776	Y
2	IC 410-366140/14	0.5	0.147117	10.0	1908755.0	0.294234	Y
3	IC 410-366140/15	1.0	0.289307	10.0	1916682.0	0.289307	Y
4	IC 410-366140/16	2.0	0.515508	10.0	1921970.0	0.257754	Y
5	IC 410-366140/17	5.0	1.388686	10.0	1951110.0	0.277737	Y
6	ICIS 410-366140/18	10.0	2.840641	10.0	1983640.0	0.284064	Y
7	IC 410-366140/19	25.0	7.017507	10.0	1993554.0	0.2807	Y



Calibration

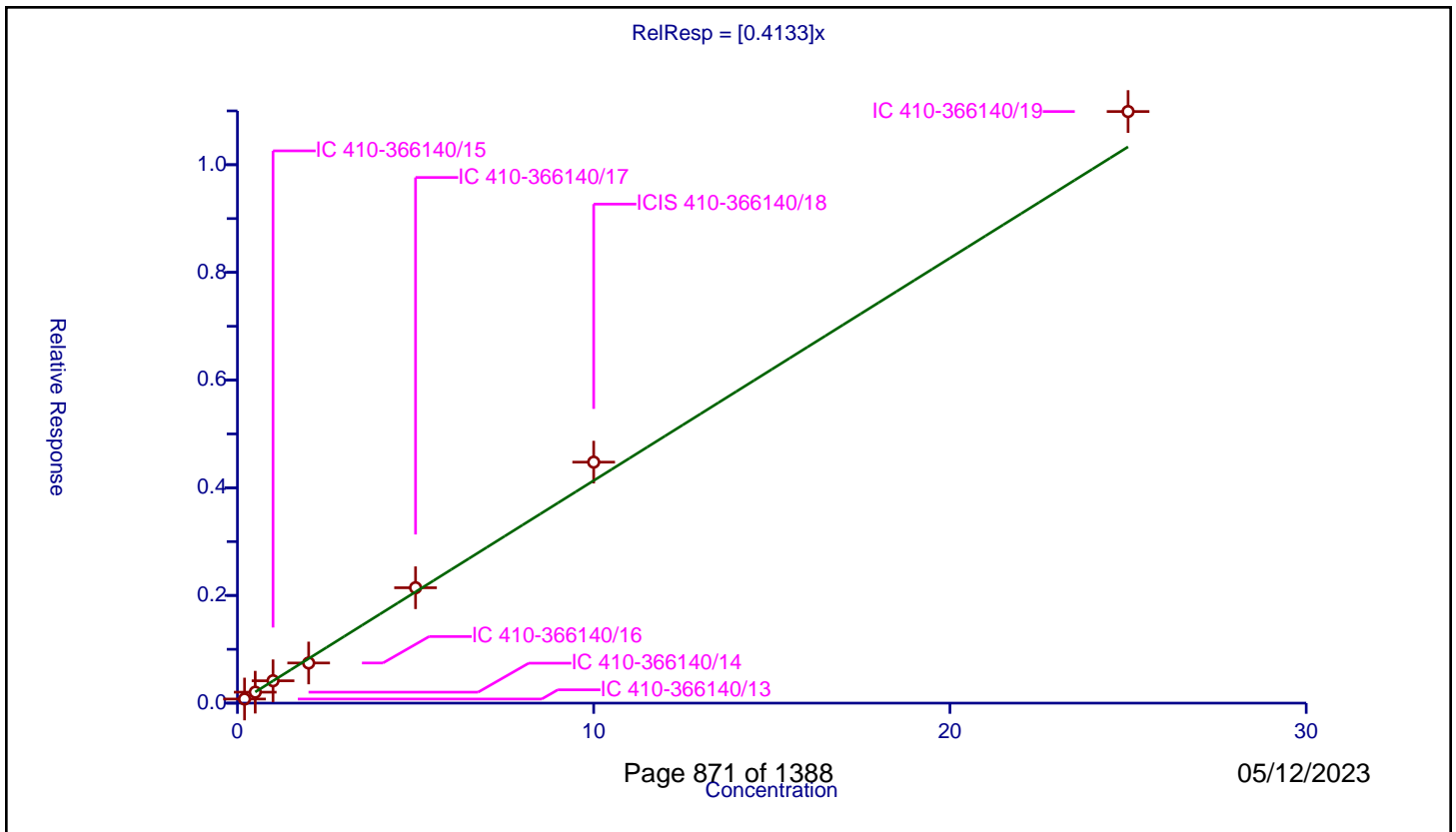
/ Methylcyclohexane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4133

Error Coefficients	
Standard Error:	982000
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 410-366140/13	0.2	0.076499	10.0	1905653.0	0.382494	Y
2	IC 410-366140/14	0.5	0.203504	10.0	1908755.0	0.407009	Y
3	IC 410-366140/15	1.0	0.415056	10.0	1916682.0	0.415056	Y
4	IC 410-366140/16	2.0	0.745579	10.0	1921970.0	0.372789	Y
5	IC 410-366140/17	5.0	2.143288	10.0	1951110.0	0.428658	Y
6	ICIS 410-366140/18	10.0	4.476099	10.0	1983640.0	0.44761	Y
7	IC 410-366140/19	25.0	10.988305	10.0	1993554.0	0.439532	Y



Calibration

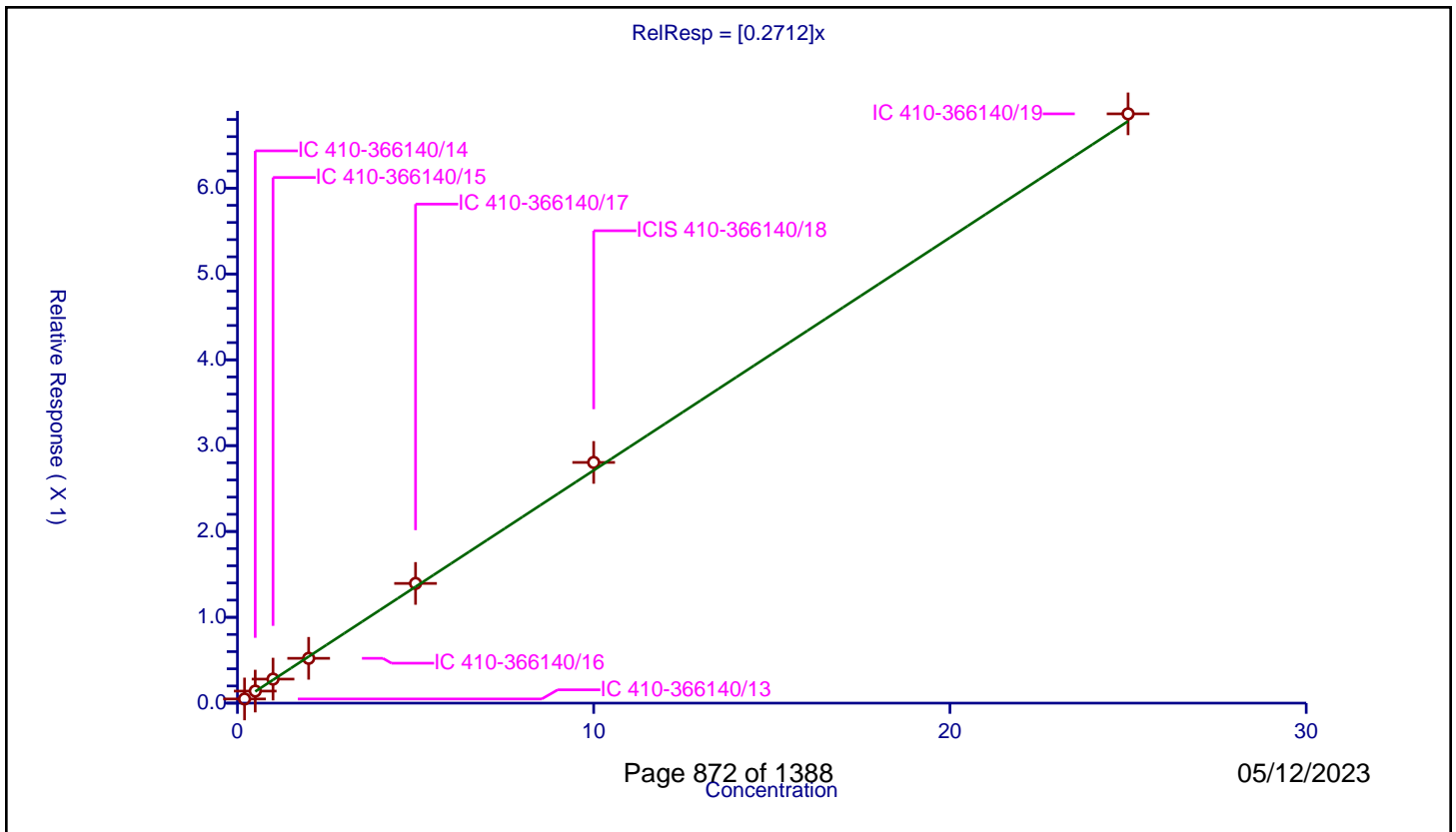
/ 1,2-Dichloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2712

Error Coefficients	
Standard Error:	615000
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 410-366140/13	0.2	0.048519	10.0	1905653.0	0.242594	Y
2	IC 410-366140/14	0.5	0.140311	10.0	1908755.0	0.280623	Y
3	IC 410-366140/15	1.0	0.28013	10.0	1916682.0	0.28013	Y
4	IC 410-366140/16	2.0	0.522042	10.0	1921970.0	0.261021	Y
5	IC 410-366140/17	5.0	1.39454	10.0	1951110.0	0.278908	Y
6	ICIS 410-366140/18	10.0	2.804319	10.0	1983640.0	0.280432	Y
7	IC 410-366140/19	25.0	6.865663	10.0	1993554.0	0.274627	Y



Calibration

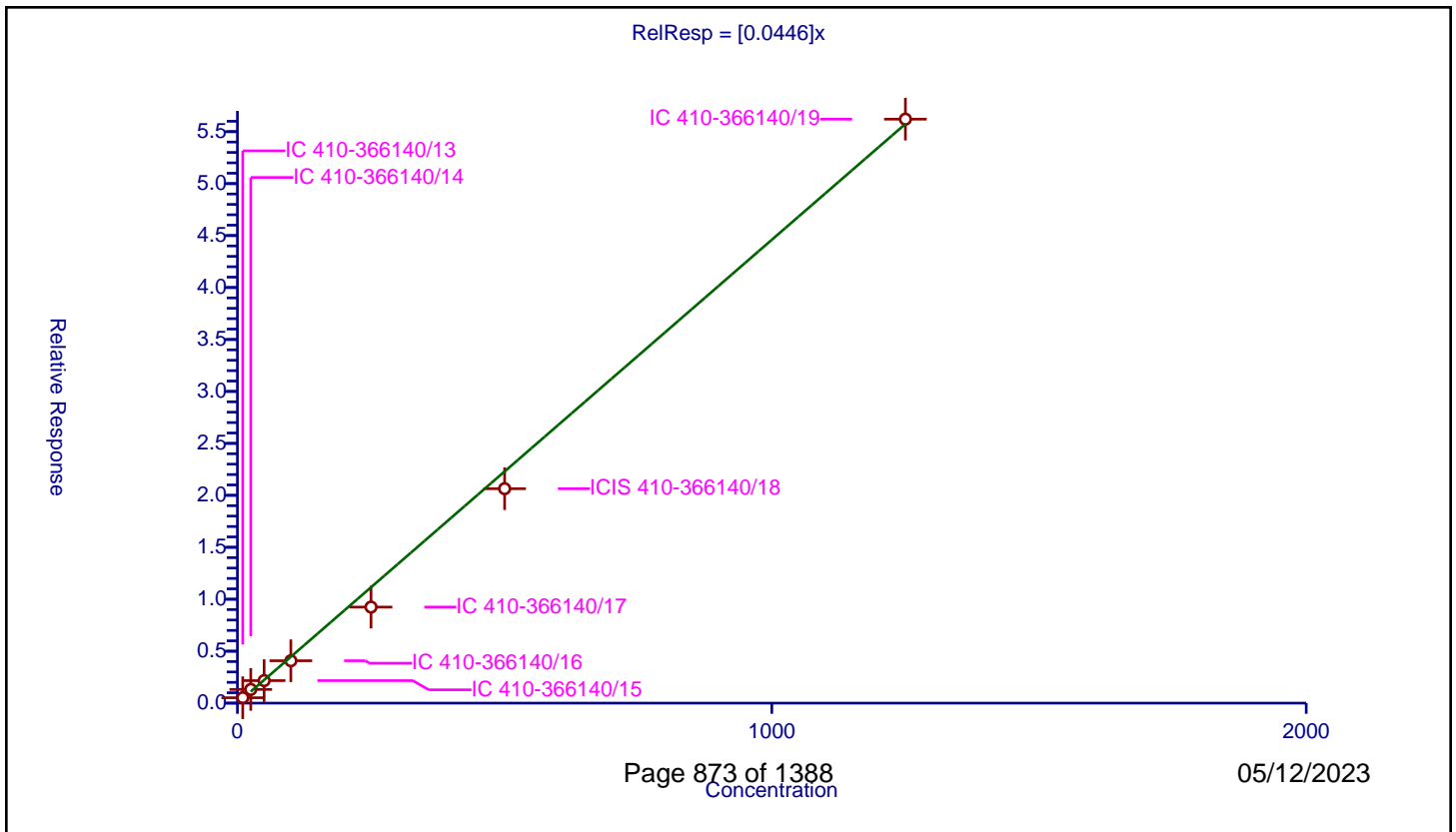
/ 1,4-Dioxane

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

Curve Coefficients	
Intercept:	0
Slope:	0.0446

Error Coefficients	
Standard Error:	38100
Relative Standard Error:	13.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	10.0	0.520124	50.0	59505.0	0.052012	Y
2	IC 410-366140/14	25.0	1.319682	50.0	64902.0	0.052787	Y
3	IC 410-366140/15	50.0	2.167969	50.0	74978.0	0.043359	Y
4	IC 410-366140/16	100.0	4.078405	50.0	68924.0	0.040784	Y
5	IC 410-366140/17	250.0	9.245546	50.0	70223.0	0.036982	Y
6	ICIS 410-366140/18	500.0	20.639257	50.0	78513.0	0.041279	Y
7	IC 410-366140/19	1250.0	56.201581	50.0	76932.0	0.044961	Y



Calibration

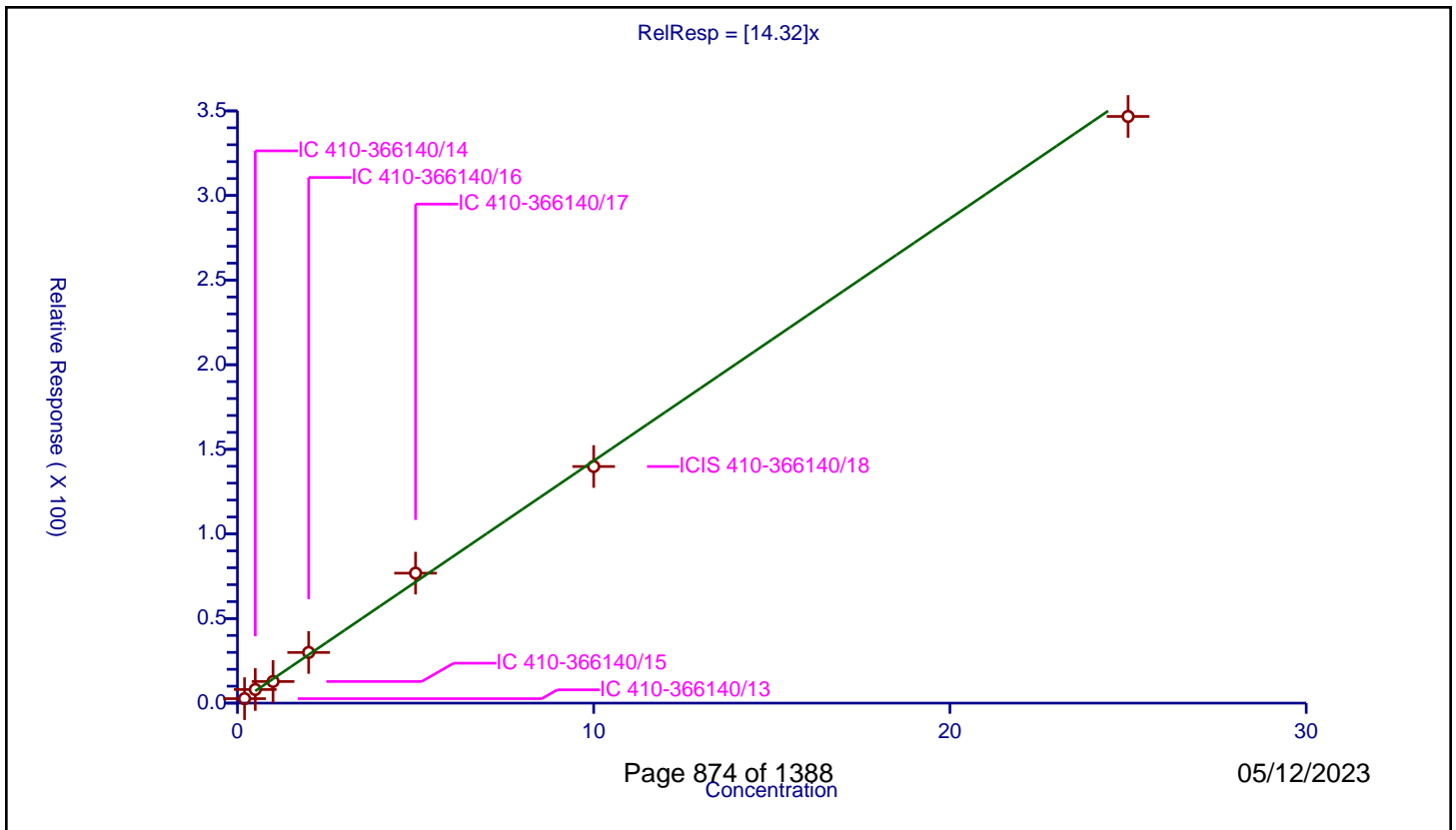
/ Methyl methacrylate

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

Curve Coefficients	
Intercept:	0
Slope:	14.32

Error Coefficients	
Standard Error:	240000
Relative Standard Error:	8.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	0.2	2.640114	50.0	59505.0	13.200571	Y
2	IC 410-366140/14	0.5	8.035962	50.0	64902.0	16.071924	Y
3	IC 410-366140/15	1.0	12.775081	50.0	74978.0	12.775081	Y
4	IC 410-366140/16	2.0	29.951106	50.0	68924.0	14.975553	Y
5	IC 410-366140/17	5.0	76.80176	50.0	70223.0	15.360352	Y
6	ICIS 410-366140/18	10.0	139.837989	50.0	78513.0	13.983799	Y
7	IC 410-366140/19	25.0	346.72048	50.0	76932.0	13.868819	Y



Calibration

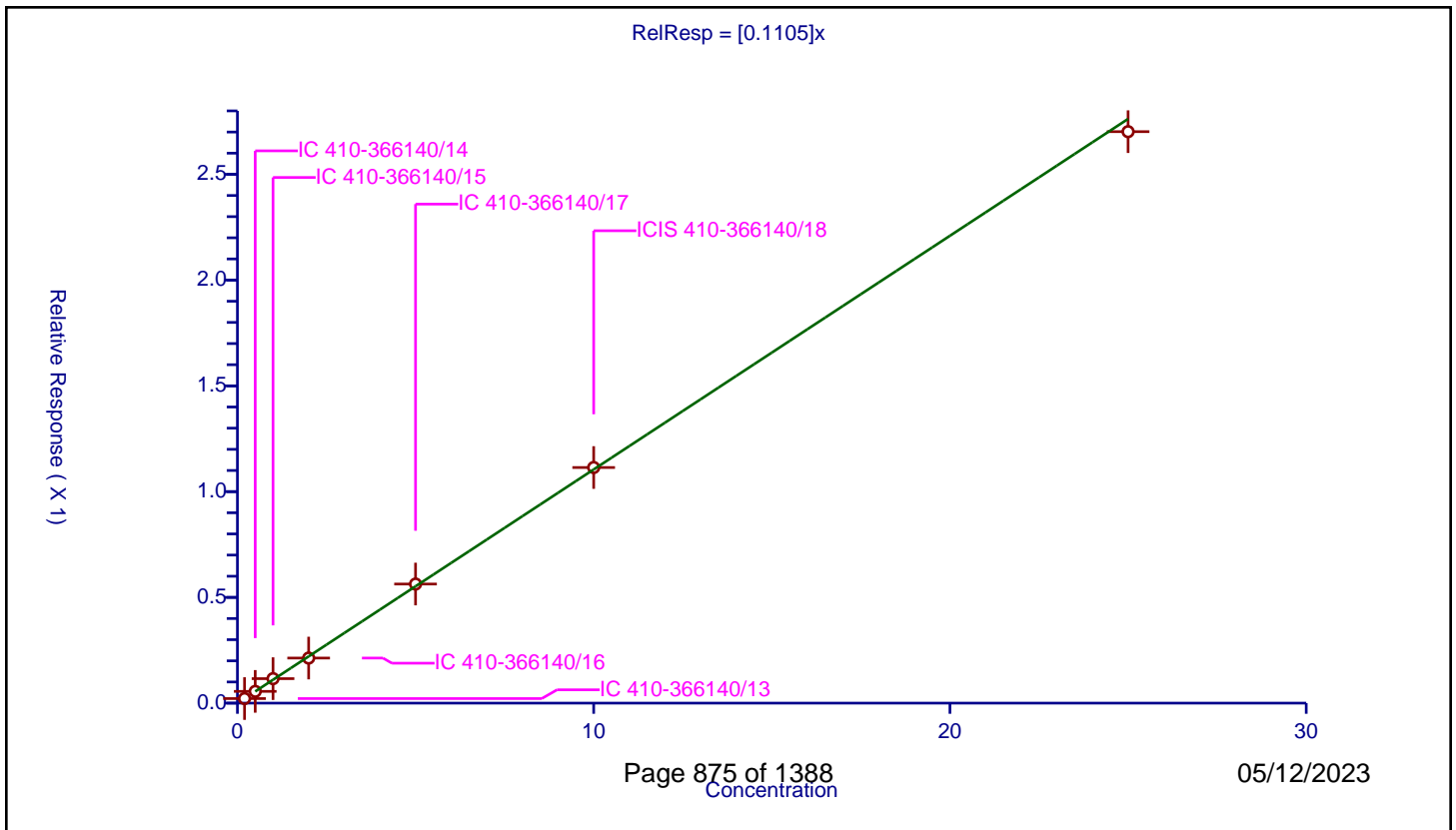
/ Dibromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.1105

Error Coefficients	
Standard Error:	243000
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 410-366140/13	0.2	0.021536	10.0	1905653.0	0.10768	Y
2	IC 410-366140/14	0.5	0.055607	10.0	1908755.0	0.111214	Y
3	IC 410-366140/15	1.0	0.115836	10.0	1916682.0	0.115836	Y
4	IC 410-366140/16	2.0	0.213089	10.0	1921970.0	0.106544	Y
5	IC 410-366140/17	5.0	0.563064	10.0	1951110.0	0.112613	Y
6	ICIS 410-366140/18	10.0	1.113912	10.0	1983640.0	0.111391	Y
7	IC 410-366140/19	25.0	2.701778	10.0	1993554.0	0.108071	Y



Calibration

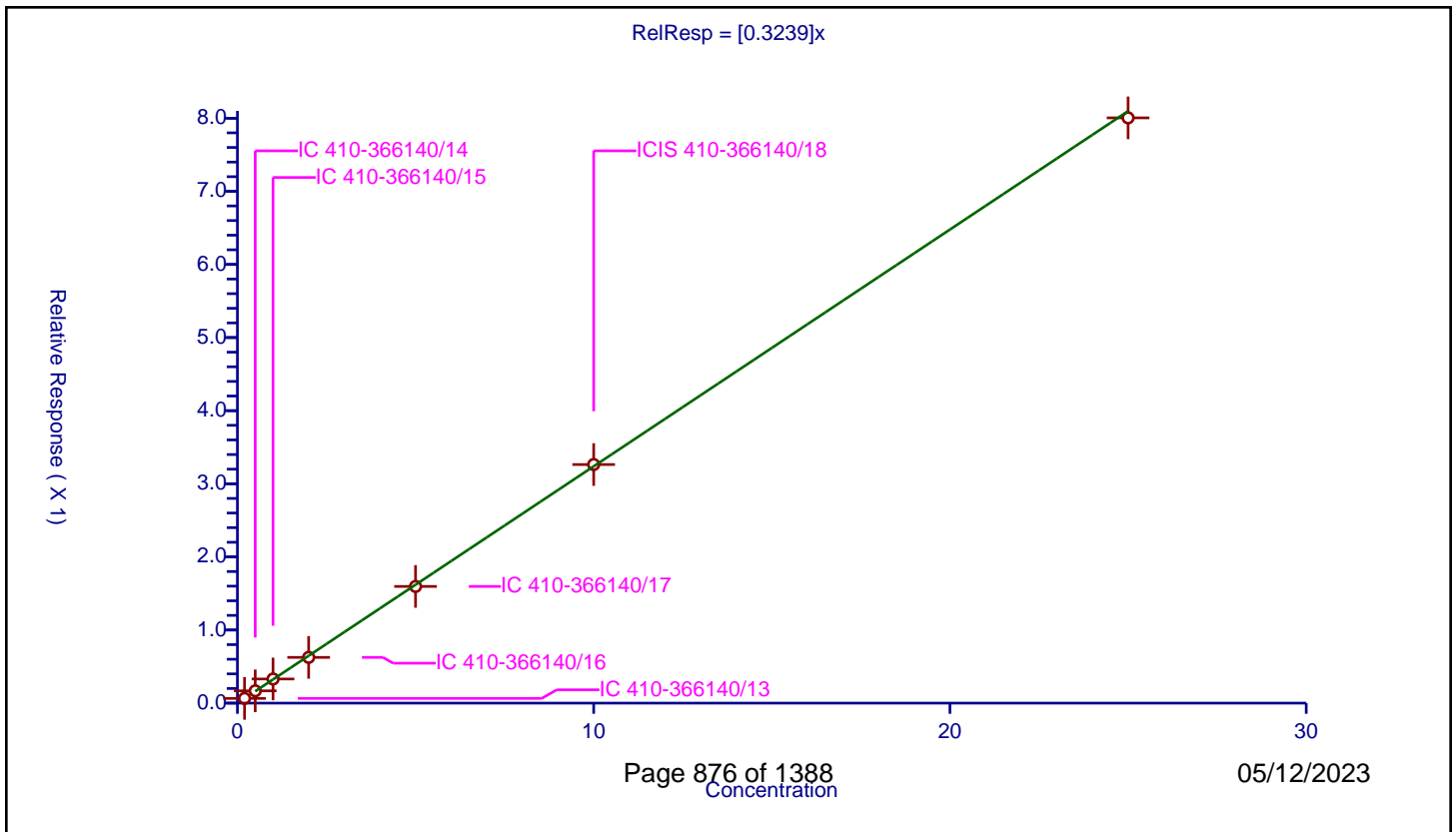
/ Dichlorobromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3239

Error Coefficients	
Standard Error:	717000
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 410-366140/13	0.2	0.064477	10.0	1905653.0	0.322383	Y
2	IC 410-366140/14	0.5	0.168052	10.0	1908755.0	0.336104	Y
3	IC 410-366140/15	1.0	0.33005	10.0	1916682.0	0.33005	Y
4	IC 410-366140/16	2.0	0.625572	10.0	1921970.0	0.312786	Y
5	IC 410-366140/17	5.0	1.595917	10.0	1951110.0	0.319183	Y
6	ICIS 410-366140/18	10.0	3.263445	10.0	1983640.0	0.326344	Y
7	IC 410-366140/19	25.0	8.004408	10.0	1993554.0	0.320176	Y



Calibration

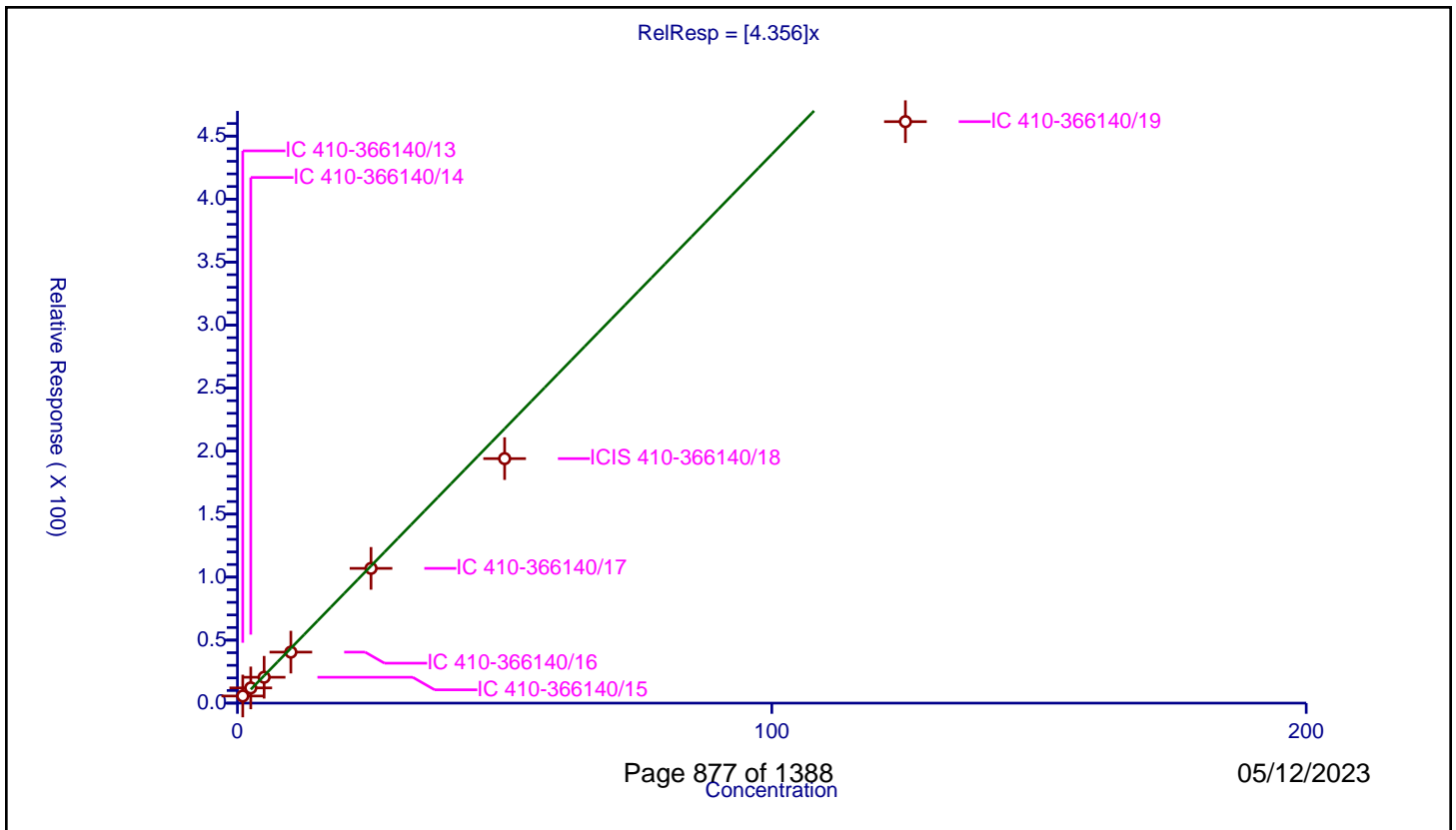
/ 2-Nitropropane

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

Curve Coefficients	
Intercept:	0
Slope:	4.356

Error Coefficients	
Standard Error:	322000
Relative Standard Error:	15.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.960

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	1.0	5.648265	50.0	59505.0	5.648265	Y
2	IC 410-366140/14	2.5	12.084373	50.0	64902.0	4.833749	Y
3	IC 410-366140/15	5.0	20.535357	50.0	74978.0	4.107071	Y
4	IC 410-366140/16	10.0	40.493877	50.0	68924.0	4.049388	Y
5	IC 410-366140/17	25.0	106.948578	50.0	70223.0	4.277943	Y
6	ICIS 410-366140/18	50.0	194.032835	50.0	78513.0	3.880657	Y
7	IC 410-366140/19	125.0	461.451022	50.0	76932.0	3.691608	Y



Calibration

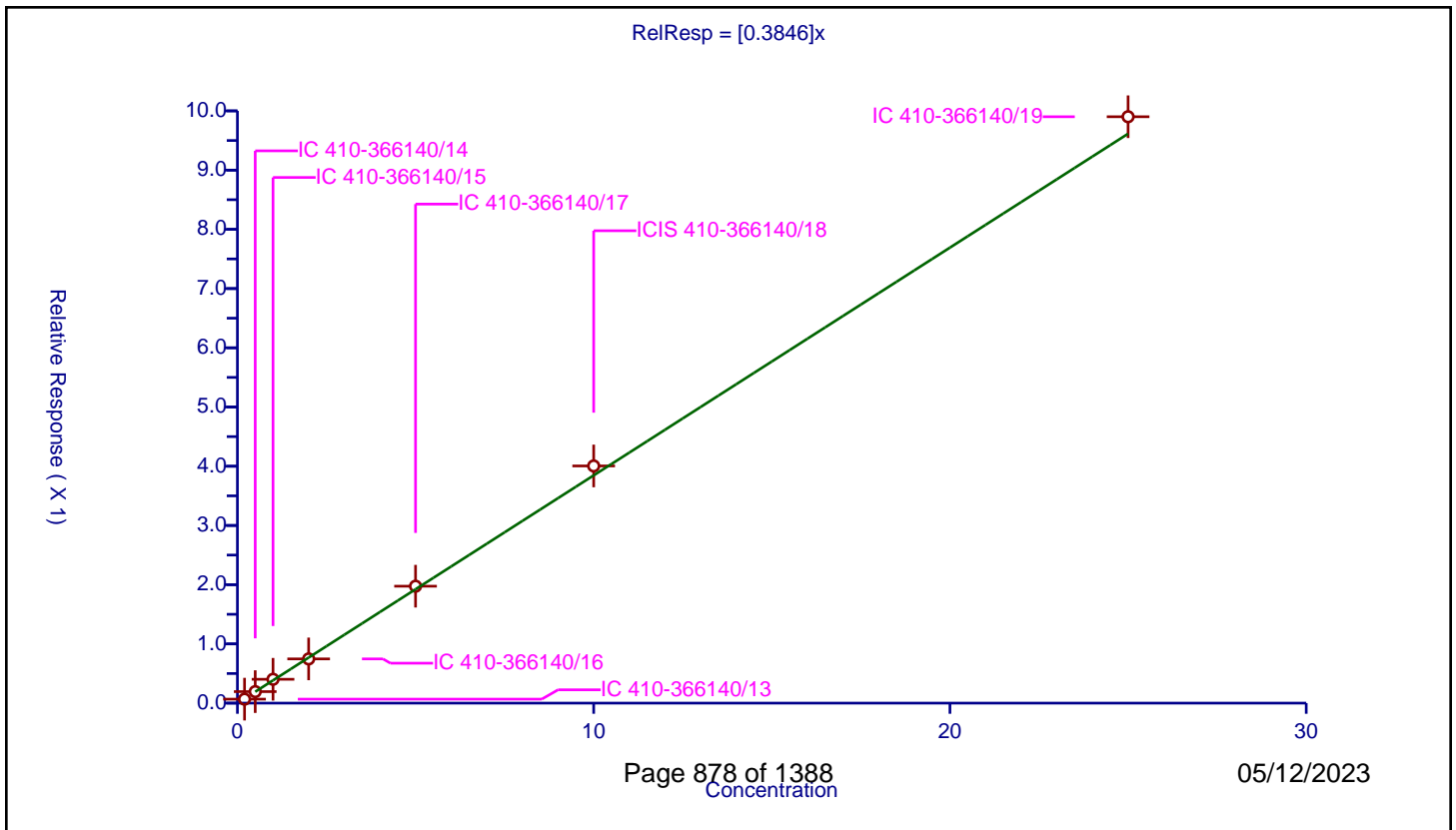
/ cis-1,3-Dichloropropene

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

Curve Coefficients	
Intercept:	0
Slope:	0.3846

Error Coefficients	
Standard Error:	885000
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 410-366140/13	0.2	0.067048	10.0	1905653.0	0.335239	Y
2	IC 410-366140/14	0.5	0.19453	10.0	1908755.0	0.38906	Y
3	IC 410-366140/15	1.0	0.40292	10.0	1916682.0	0.40292	Y
4	IC 410-366140/16	2.0	0.746547	10.0	1921970.0	0.373273	Y
5	IC 410-366140/17	5.0	1.974497	10.0	1951110.0	0.394899	Y
6	ICIS 410-366140/18	10.0	4.00485	10.0	1983640.0	0.400485	Y
7	IC 410-366140/19	25.0	9.901252	10.0	1993554.0	0.39605	Y



Calibration

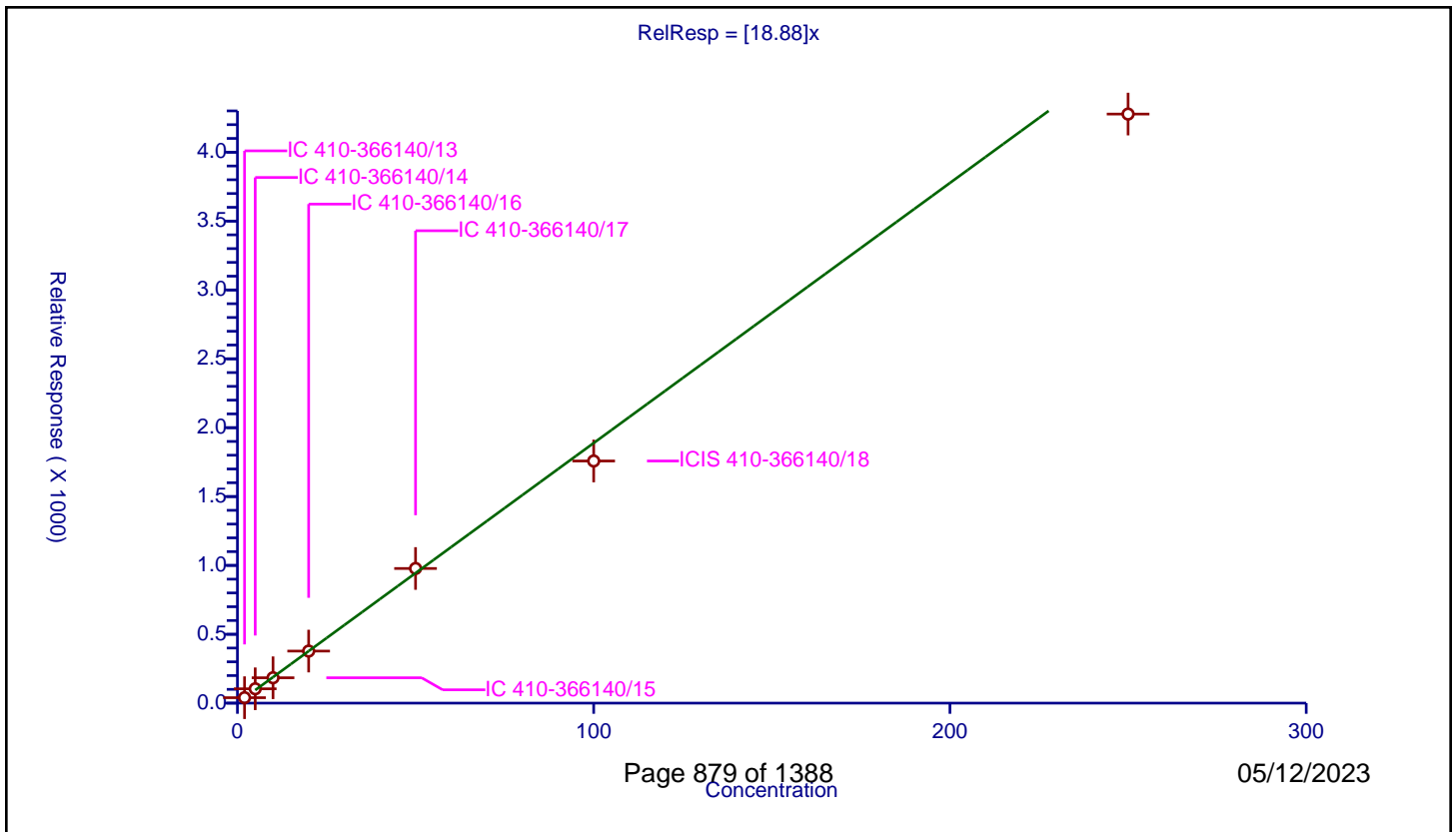
/ 4-Methyl-2-pentanone (MIBK)

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

Curve Coefficients	
Intercept:	0
Slope:	18.88

Error Coefficients	
Standard Error:	2970000
Relative Standard Error:	6.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	2.0	39.617679	50.0	59505.0	19.80884	Y
2	IC 410-366140/14	5.0	104.08539	50.0	64902.0	20.817078	Y
3	IC 410-366140/15	10.0	184.248713	50.0	74978.0	18.424871	Y
4	IC 410-366140/16	20.0	377.980094	50.0	68924.0	18.899005	Y
5	IC 410-366140/17	50.0	977.642653	50.0	70223.0	19.552853	Y
6	ICIS 410-366140/18	100.0	1758.023512	50.0	78513.0	17.580235	Y
7	IC 410-366140/19	250.0	4276.927026	50.0	76932.0	17.107708	Y



Calibration

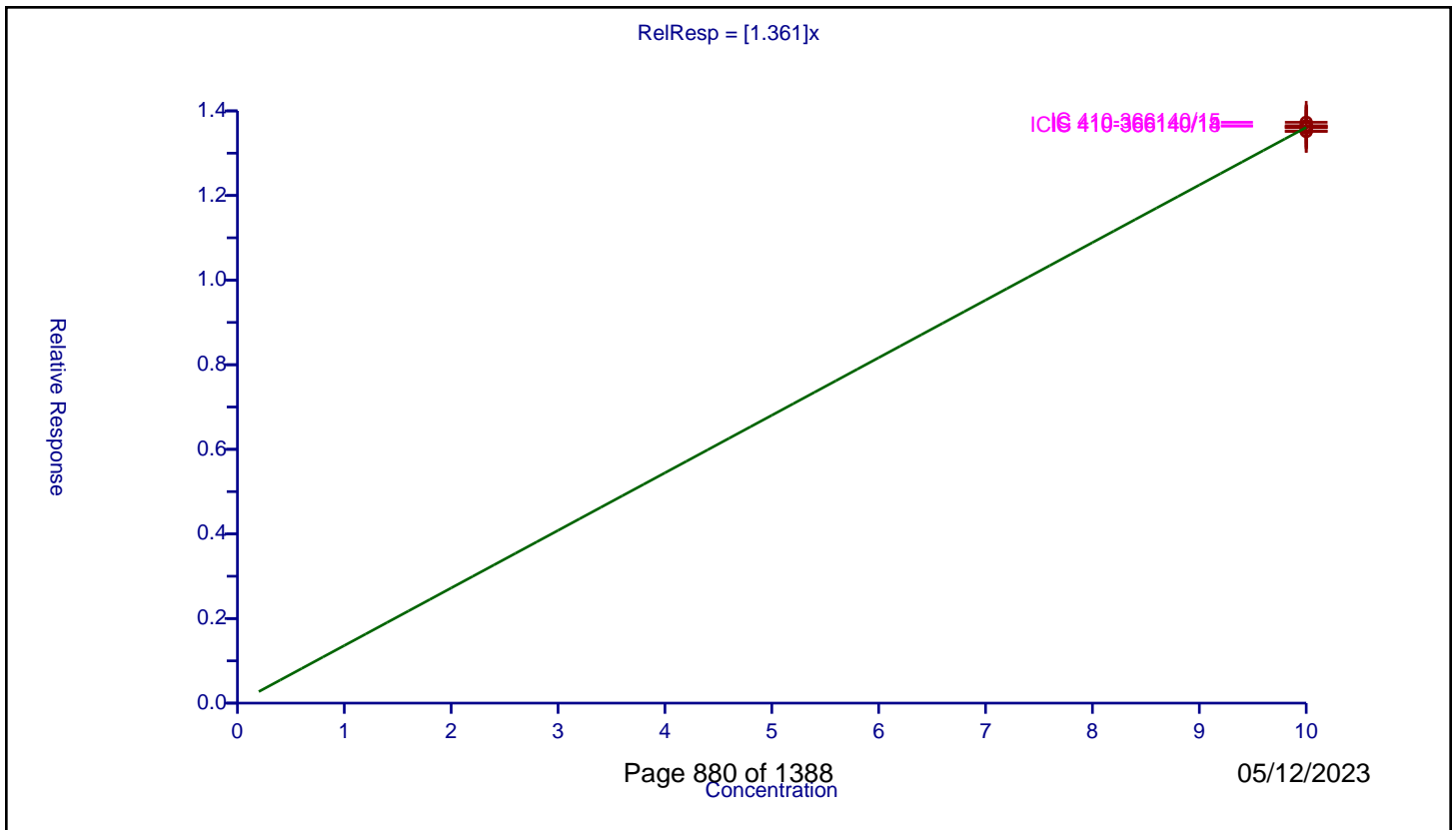
/ Toluene-d8 (Surr)

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

Curve Coefficients	
Intercept:	0
Slope:	1.361

Error Coefficients	
Standard Error:	2090000
Relative Standard Error:	0.6
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	10.0	13.515193	10.0	1410045.0	1.351519	Y
2	IC 410-366140/14	10.0	13.648531	10.0	1394279.0	1.364853	Y
3	IC 410-366140/15	10.0	13.730626	10.0	1397988.0	1.373063	Y
4	IC 410-366140/16	10.0	13.521368	10.0	1411369.0	1.352137	Y
5	IC 410-366140/17	10.0	13.605802	10.0	1430808.0	1.36058	Y
6	ICIS 410-366140/18	10.0	13.640949	10.0	1451141.0	1.364095	Y
7	IC 410-366140/19	10.0	13.60148	10.0	1471953.0	1.360148	Y



Calibration

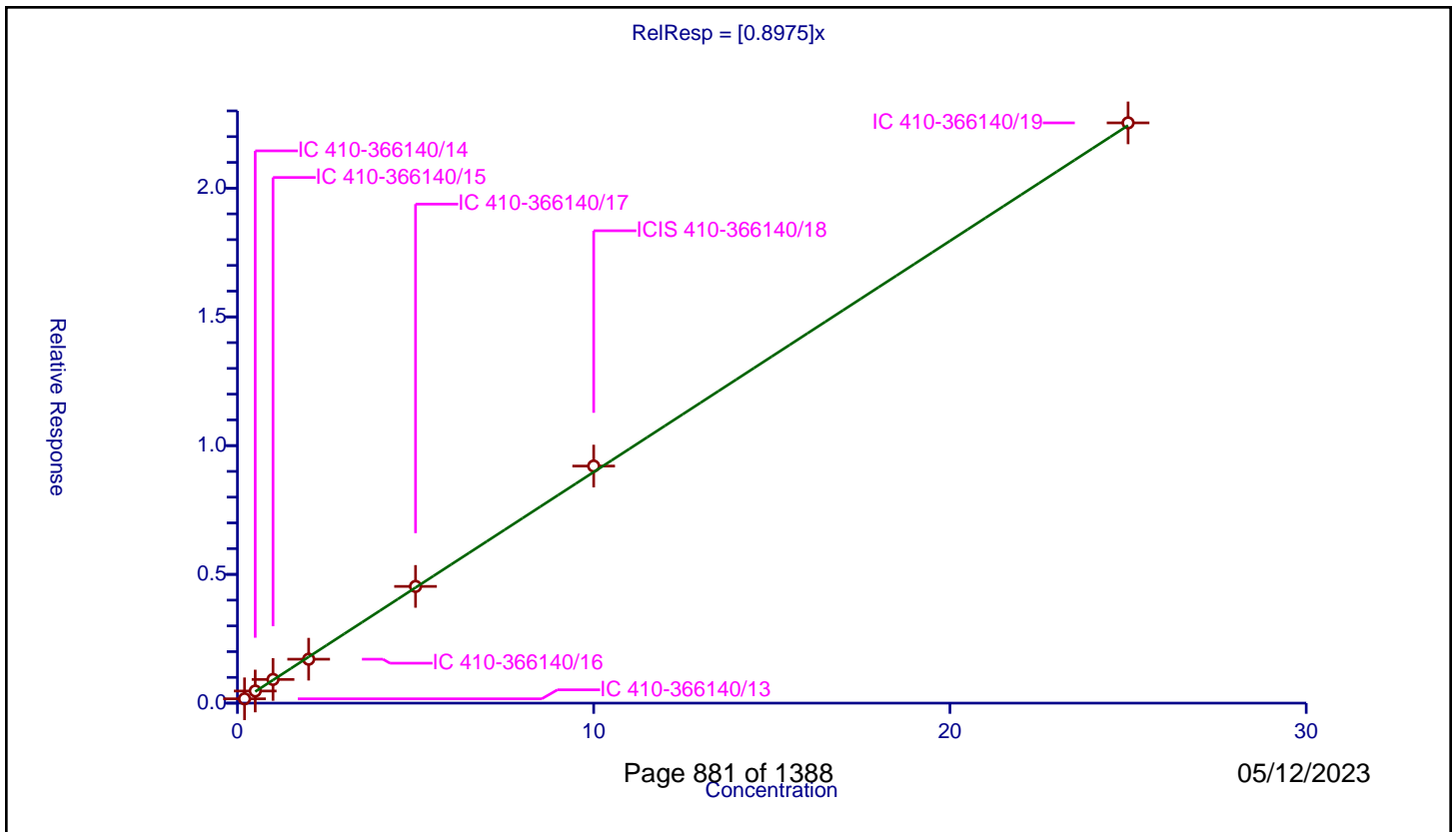
/ Toluene

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

Curve Coefficients	
Intercept:	0
Slope:	0.8975

Error Coefficients	
Standard Error:	1490000
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 410-366140/13	0.2	0.16769	10.0	1410045.0	0.838448	Y
2	IC 410-366140/14	0.5	0.470716	10.0	1394279.0	0.941433	Y
3	IC 410-366140/15	1.0	0.920509	10.0	1397988.0	0.920509	Y
4	IC 410-366140/16	2.0	1.706159	10.0	1411369.0	0.85308	Y
5	IC 410-366140/17	5.0	4.533445	10.0	1430808.0	0.906689	Y
6	ICIS 410-366140/18	10.0	9.207155	10.0	1451141.0	0.920715	Y
7	IC 410-366140/19	25.0	22.534184	10.0	1471953.0	0.901367	Y



Calibration

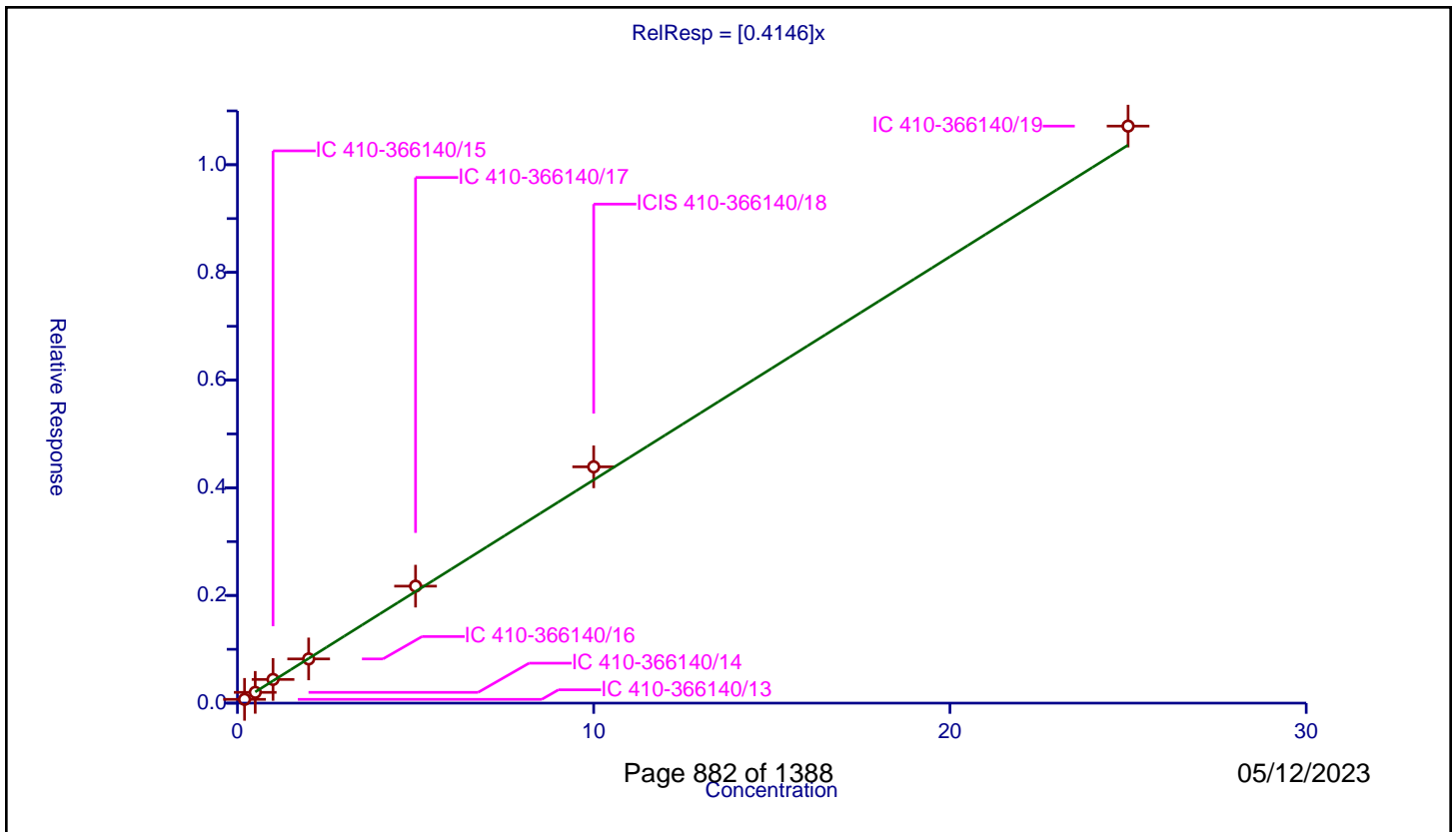
/ trans-1,3-Dichloropropene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4146

Error Coefficients	
Standard Error:	708000
Relative Standard Error:	7.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	0.2	0.06982	10.0	1410045.0	0.349102	Y
2	IC 410-366140/14	0.5	0.20024	10.0	1394279.0	0.400479	Y
3	IC 410-366140/15	1.0	0.44019	10.0	1397988.0	0.44019	Y
4	IC 410-366140/16	2.0	0.820806	10.0	1411369.0	0.410403	Y
5	IC 410-366140/17	5.0	2.172849	10.0	1430808.0	0.43457	Y
6	ICIS 410-366140/18	10.0	4.388877	10.0	1451141.0	0.438888	Y
7	IC 410-366140/19	25.0	10.717462	10.0	1471953.0	0.428698	Y



Calibration

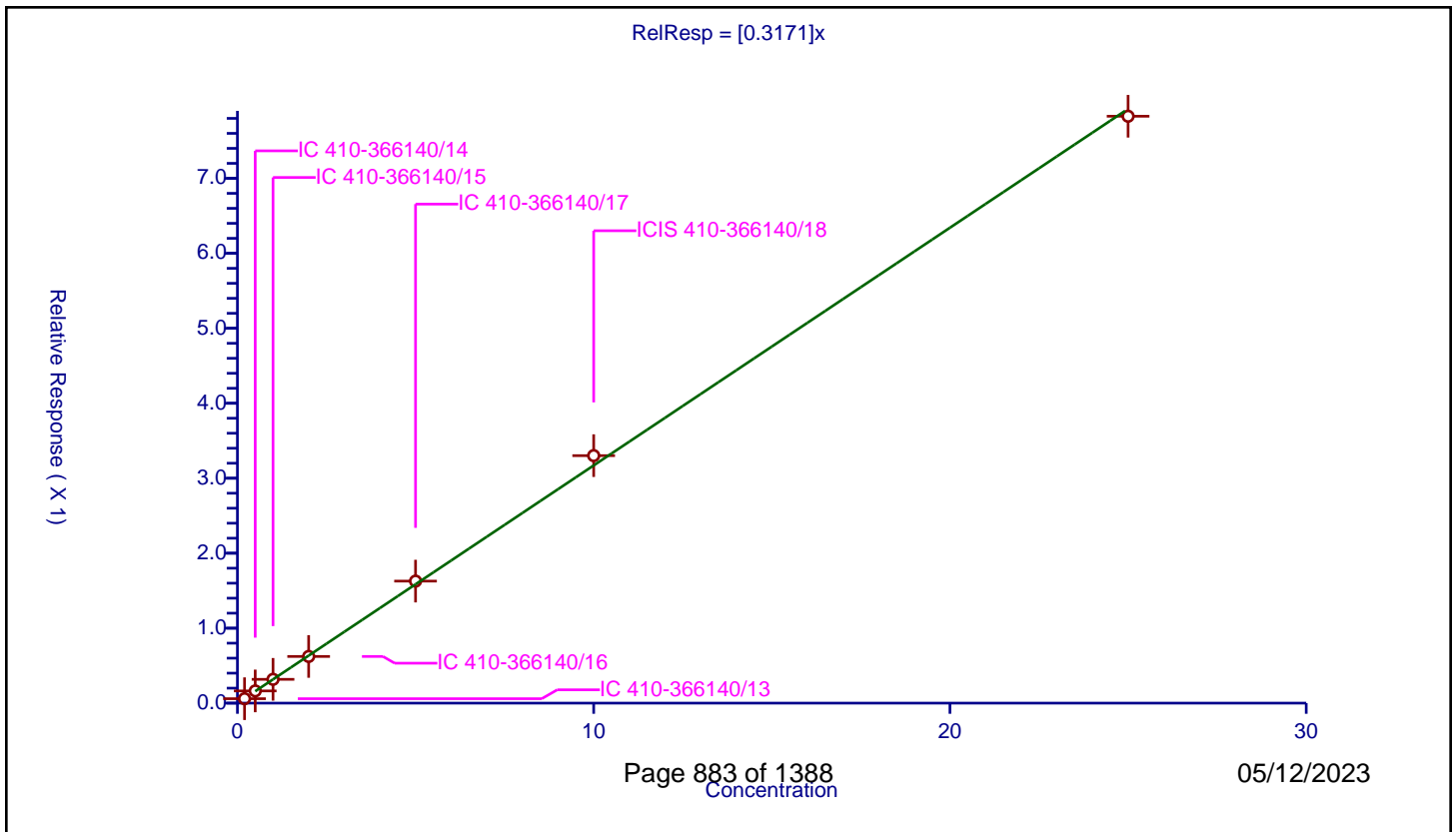
/ Ethyl methacrylate

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

Curve Coefficients	
Intercept:	0
Slope:	0.3171

Error Coefficients	
Standard Error:	520000
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 410-366140/13	0.2	0.059239	10.0	1410045.0	0.296196	Y
2	IC 410-366140/14	0.5	0.162887	10.0	1394279.0	0.325774	Y
3	IC 410-366140/15	1.0	0.317435	10.0	1397988.0	0.317435	Y
4	IC 410-366140/16	2.0	0.622537	10.0	1411369.0	0.311269	Y
5	IC 410-366140/17	5.0	1.62778	10.0	1430808.0	0.325556	Y
6	ICIS 410-366140/18	10.0	3.301492	10.0	1451141.0	0.330149	Y
7	IC 410-366140/19	25.0	7.828538	10.0	1471953.0	0.313142	Y



Calibration

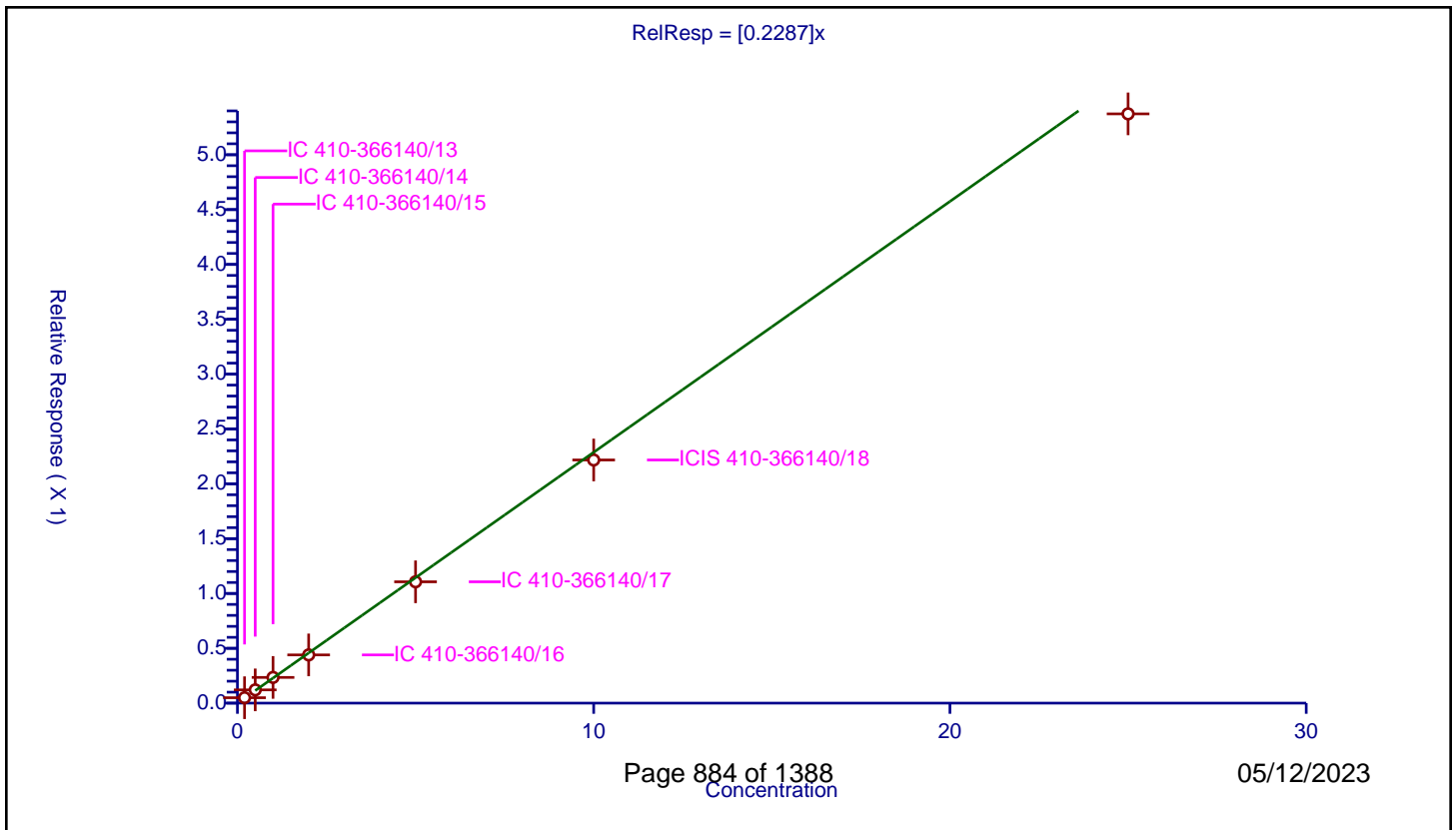
/ 1,1,2-Trichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2287

Error Coefficients	
Standard Error:	356000
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 410-366140/13	0.2	0.049424	10.0	1410045.0	0.24712	Y
2	IC 410-366140/14	0.5	0.120808	10.0	1394279.0	0.241616	Y
3	IC 410-366140/15	1.0	0.23453	10.0	1397988.0	0.23453	Y
4	IC 410-366140/16	2.0	0.439757	10.0	1411369.0	0.219879	Y
5	IC 410-366140/17	5.0	1.106361	10.0	1430808.0	0.221272	Y
6	ICIS 410-366140/18	10.0	2.217	10.0	1451141.0	0.2217	Y
7	IC 410-366140/19	25.0	5.372848	10.0	1471953.0	0.214914	Y



Calibration

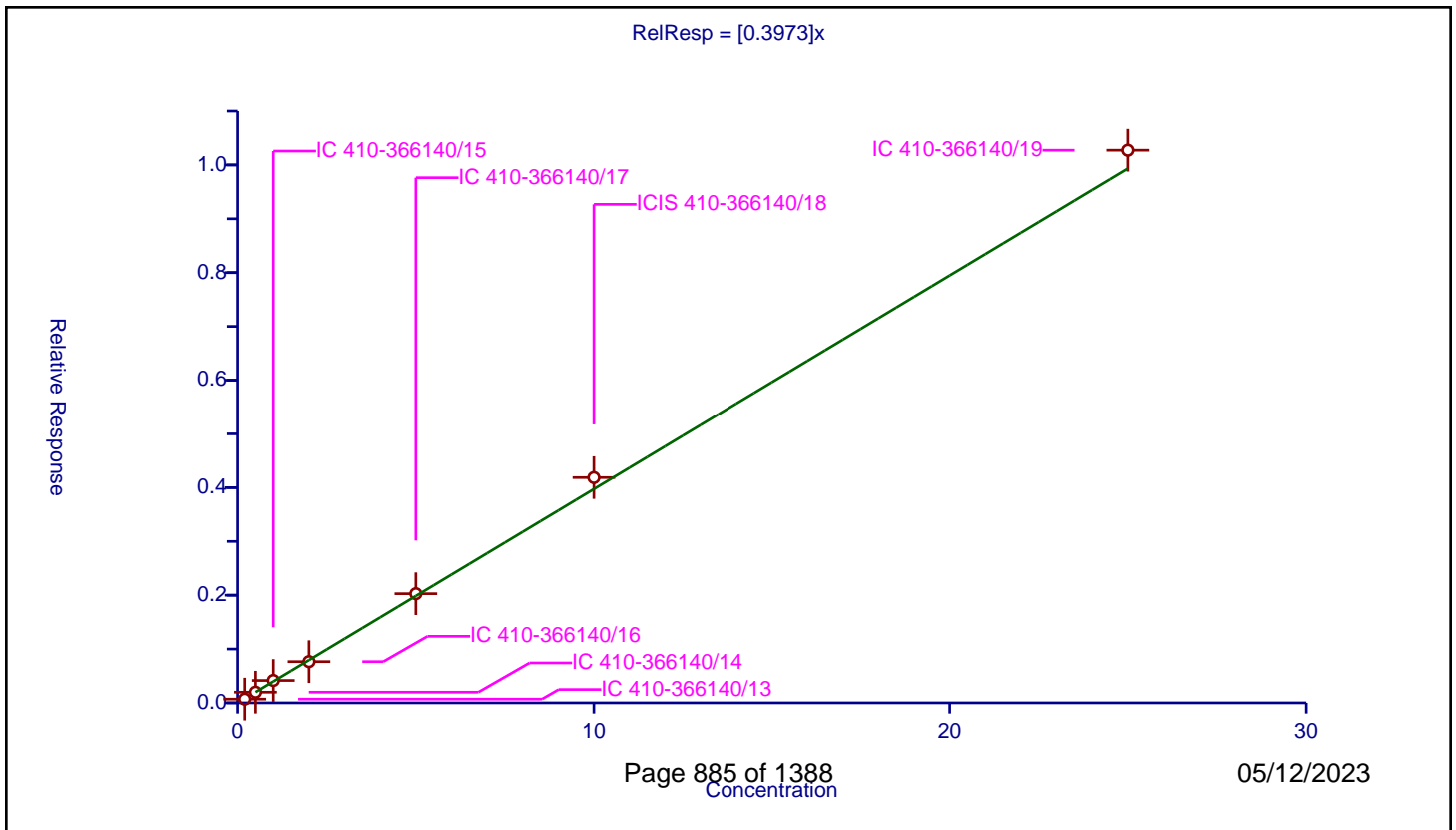
/ Tetrachloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.3973

Error Coefficients	
Standard Error:	678000
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 410-366140/13	0.2	0.070125	10.0	1410045.0	0.350627	Y
2	IC 410-366140/14	0.5	0.198461	10.0	1394279.0	0.396922	Y
3	IC 410-366140/15	1.0	0.415633	10.0	1397988.0	0.415633	Y
4	IC 410-366140/16	2.0	0.76564	10.0	1411369.0	0.38282	Y
5	IC 410-366140/17	5.0	2.028301	10.0	1430808.0	0.40566	Y
6	ICIS 410-366140/18	10.0	4.187374	10.0	1451141.0	0.418737	Y
7	IC 410-366140/19	25.0	10.273901	10.0	1471953.0	0.410956	Y



Calibration

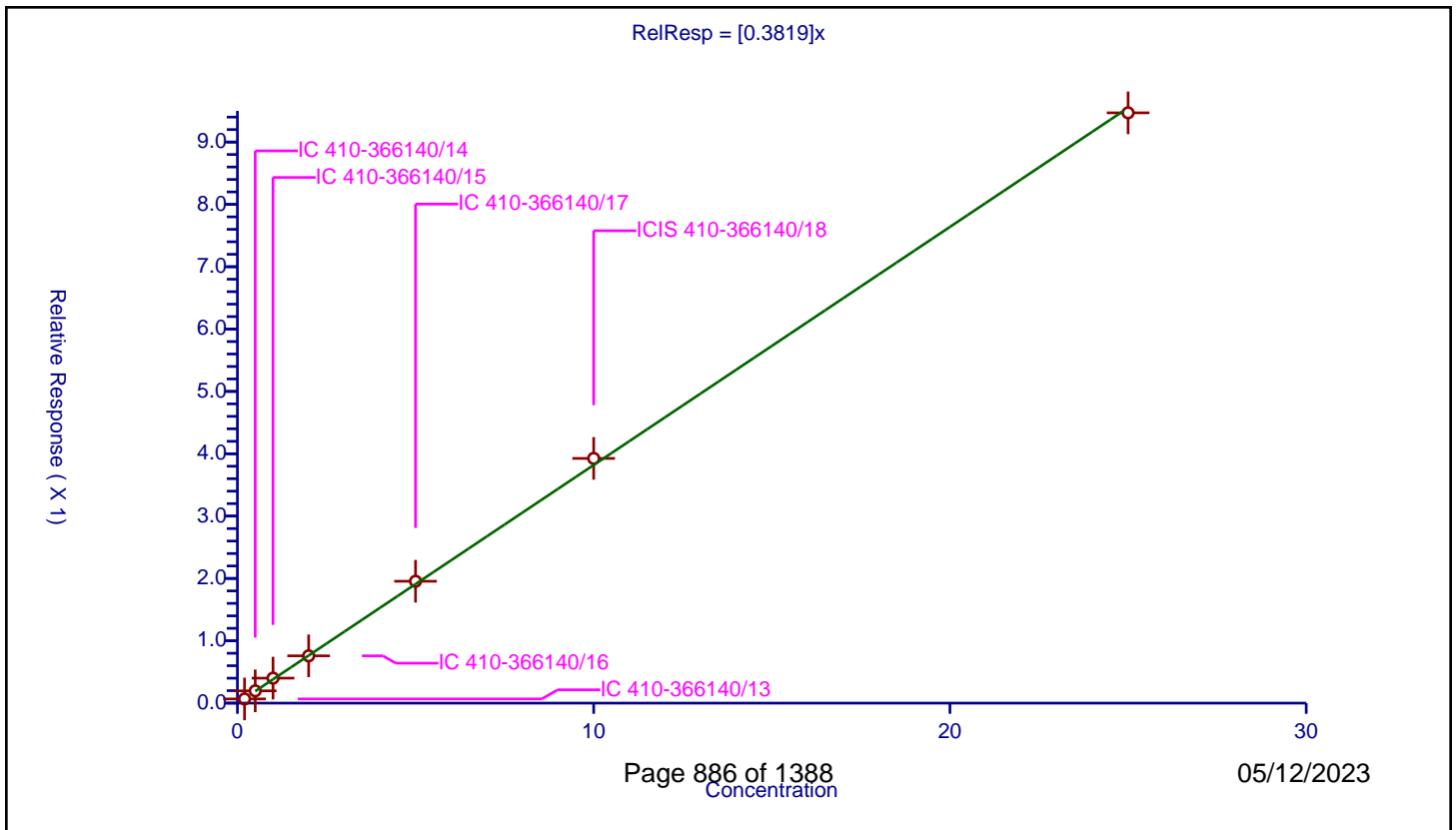
/ 1,3-Dichloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3819

Error Coefficients	
Standard Error:	627000
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 410-366140/13	0.2	0.06748	10.0	1410045.0	0.337401	Y
2	IC 410-366140/14	0.5	0.196962	10.0	1394279.0	0.393924	Y
3	IC 410-366140/15	1.0	0.400762	10.0	1397988.0	0.400762	Y
4	IC 410-366140/16	2.0	0.758328	10.0	1411369.0	0.379164	Y
5	IC 410-366140/17	5.0	1.955154	10.0	1430808.0	0.391031	Y
6	ICIS 410-366140/18	10.0	3.925614	10.0	1451141.0	0.392561	Y
7	IC 410-366140/19	25.0	9.468855	10.0	1471953.0	0.378754	Y



Calibration

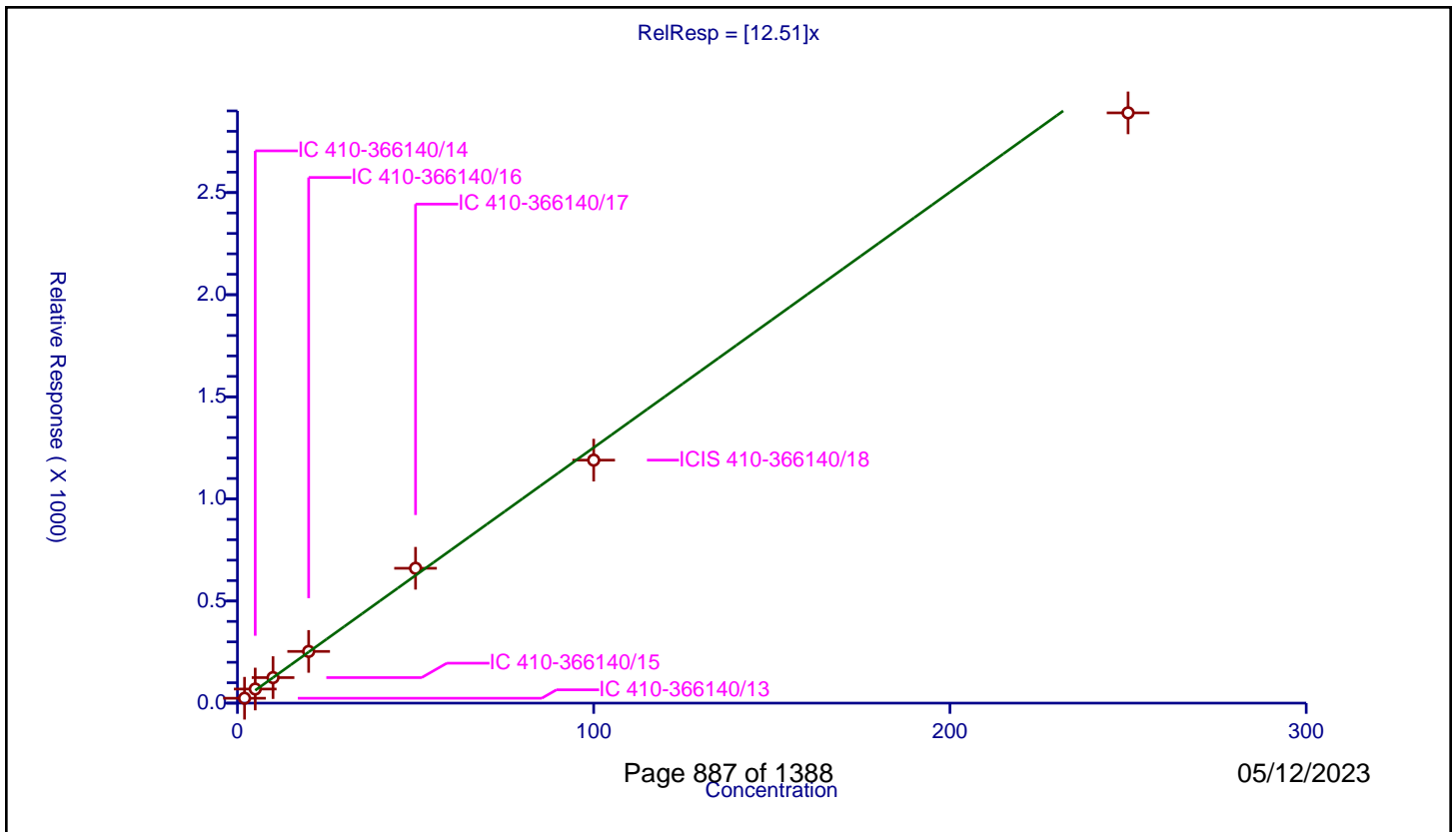
/ 2-Hexanone

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

Curve Coefficients	
Intercept:	0
Slope:	12.51

Error Coefficients	
Standard Error:	2010000
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 410-366140/13	2.0	23.899672	50.0	59505.0	11.949836	Y
2	IC 410-366140/14	5.0	69.000185	50.0	64902.0	13.800037	Y
3	IC 410-366140/15	10.0	125.024674	50.0	74978.0	12.502467	Y
4	IC 410-366140/16	20.0	253.185393	50.0	68924.0	12.65927	Y
5	IC 410-366140/17	50.0	660.327101	50.0	70223.0	13.206542	Y
6	ICIS 410-366140/18	100.0	1189.836078	50.0	78513.0	11.898361	Y
7	IC 410-366140/19	250.0	2890.392814	50.0	76932.0	11.561571	Y



Calibration

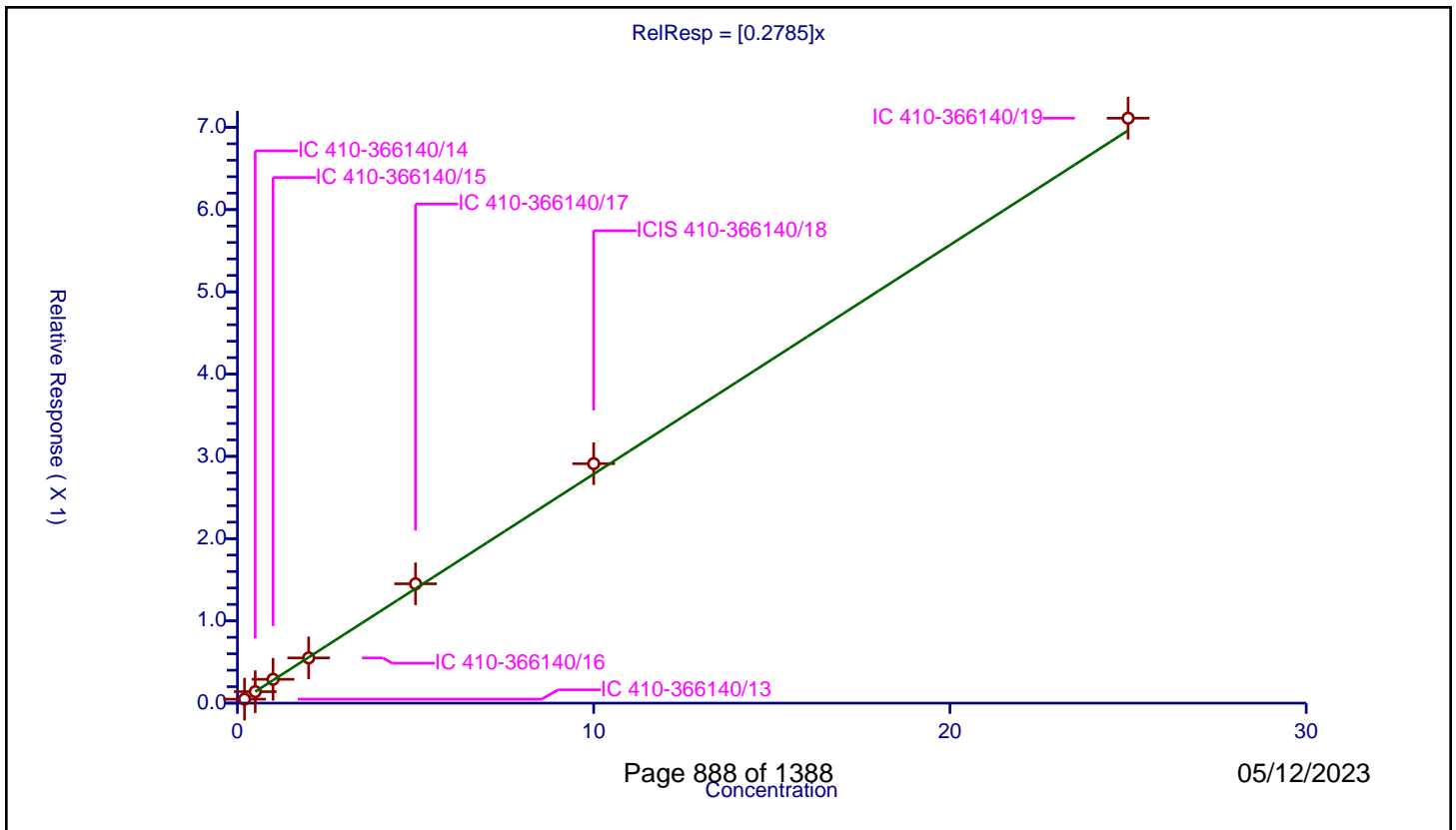
/ Chlorodibromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2785

Error Coefficients	
Standard Error:	470000
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 410-366140/13	0.2	0.048084	10.0	1410045.0	0.240418	Y
2	IC 410-366140/14	0.5	0.13942	10.0	1394279.0	0.278839	Y
3	IC 410-366140/15	1.0	0.289623	10.0	1397988.0	0.289623	Y
4	IC 410-366140/16	2.0	0.549594	10.0	1411369.0	0.274797	Y
5	IC 410-366140/17	5.0	1.450873	10.0	1430808.0	0.290175	Y
6	ICIS 410-366140/18	10.0	2.911157	10.0	1451141.0	0.291116	Y
7	IC 410-366140/19	25.0	7.111266	10.0	1471953.0	0.284451	Y



Calibration

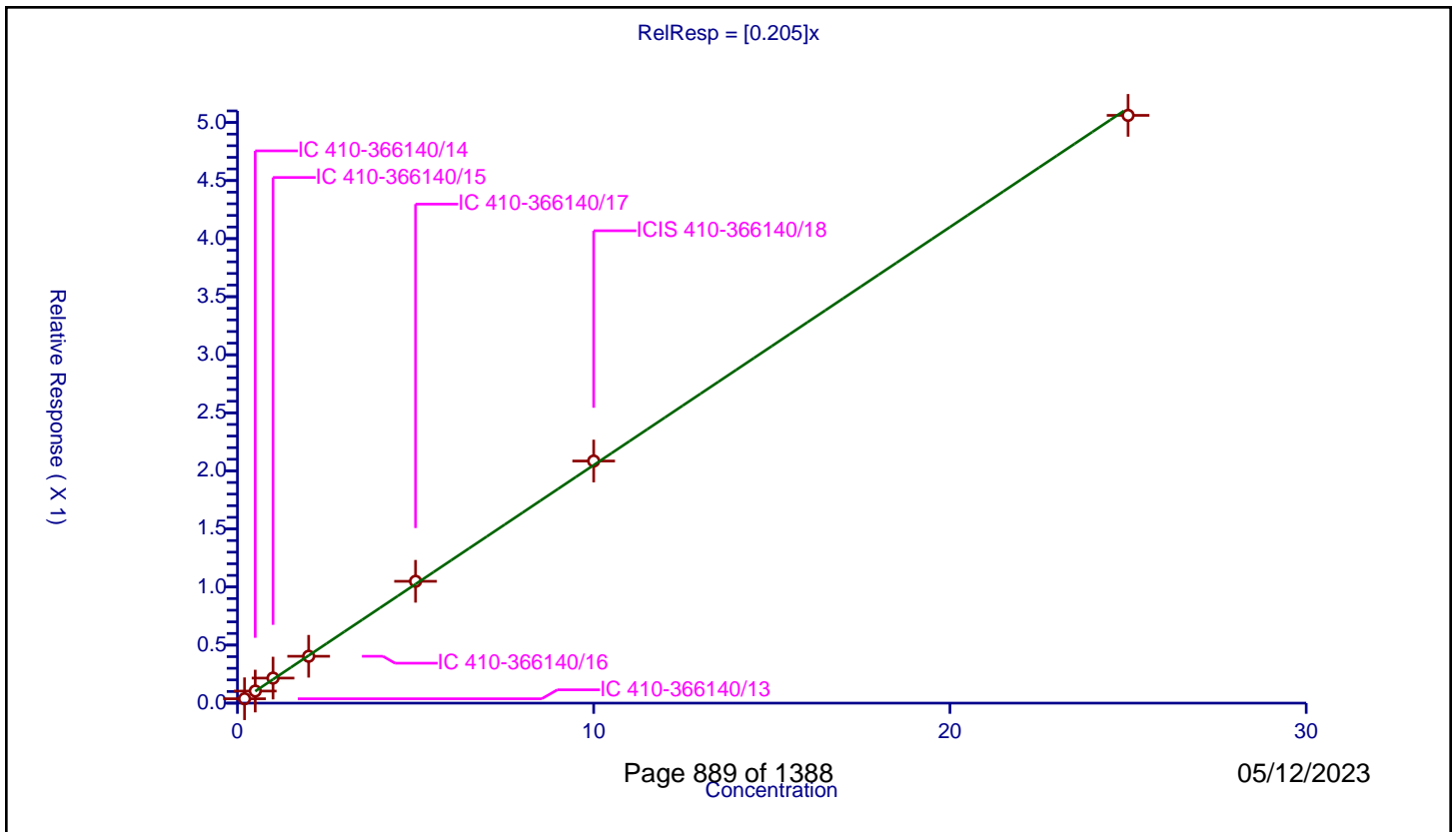
/ Ethylene Dibromide

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

Curve Coefficients	
Intercept:	0
Slope:	0.205

Error Coefficients	
Standard Error:	335000
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 410-366140/13	0.2	0.037729	10.0	1410045.0	0.188646	Y
2	IC 410-366140/14	0.5	0.103918	10.0	1394279.0	0.207835	Y
3	IC 410-366140/15	1.0	0.215731	10.0	1397988.0	0.215731	Y
4	IC 410-366140/16	2.0	0.403622	10.0	1411369.0	0.201811	Y
5	IC 410-366140/17	5.0	1.049079	10.0	1430808.0	0.209816	Y
6	ICIS 410-366140/18	10.0	2.084973	10.0	1451141.0	0.208497	Y
7	IC 410-366140/19	25.0	5.061493	10.0	1471953.0	0.20246	Y



Calibration

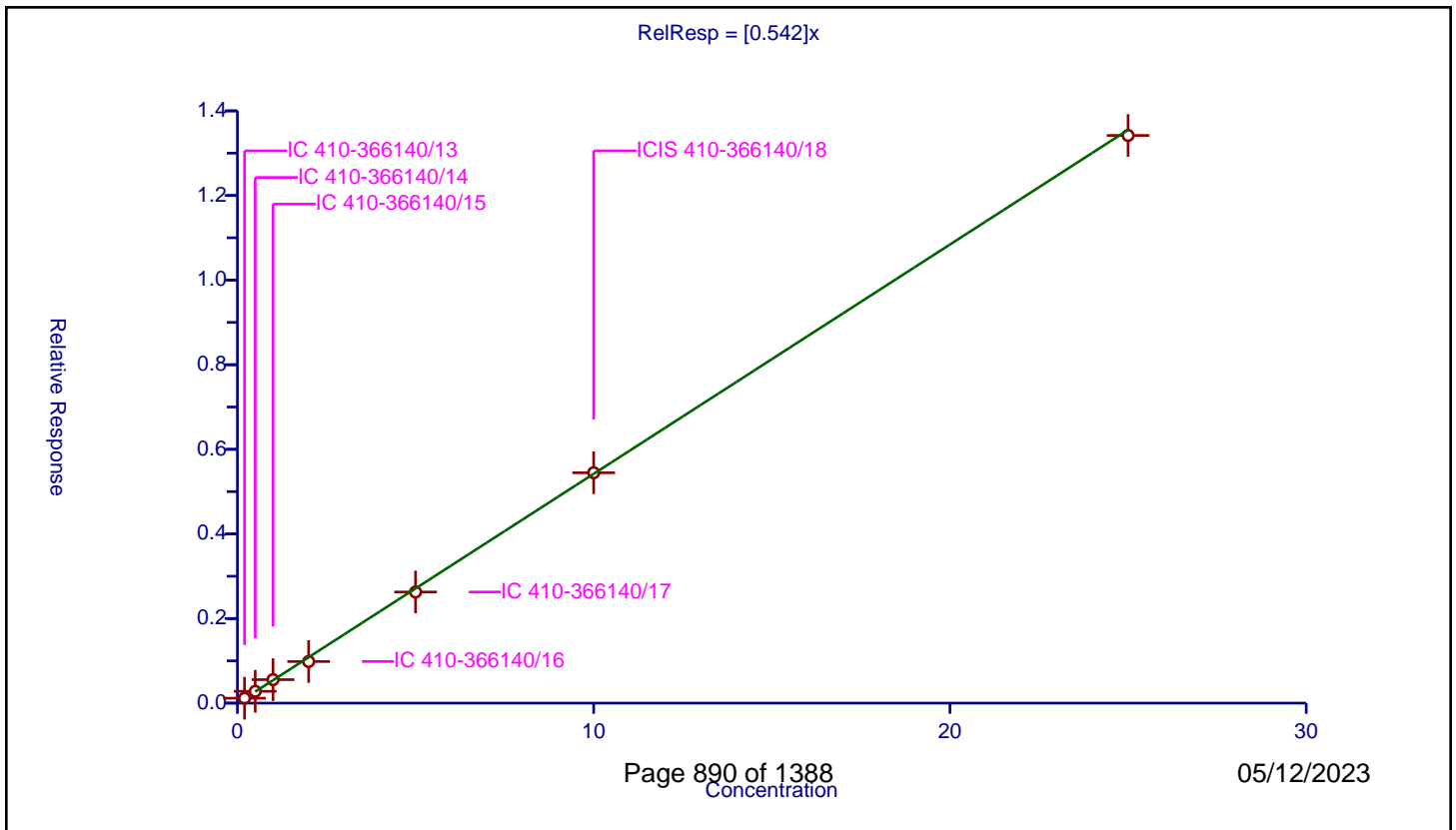
/ 1-Chlorohexane

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

Curve Coefficients	
Intercept:	0
Slope:	0.542

Error Coefficients	
Standard Error:	885000
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 410-366140/13	0.2	0.116386	10.0	1410045.0	0.581932	Y
2	IC 410-366140/14	0.5	0.279255	10.0	1394279.0	0.558511	Y
3	IC 410-366140/15	1.0	0.555234	10.0	1397988.0	0.555234	Y
4	IC 410-366140/16	2.0	0.983542	10.0	1411369.0	0.491771	Y
5	IC 410-366140/17	5.0	2.627061	10.0	1430808.0	0.525412	Y
6	ICIS 410-366140/18	10.0	5.446232	10.0	1451141.0	0.544623	Y
7	IC 410-366140/19	25.0	13.41909	10.0	1471953.0	0.536764	Y



Calibration

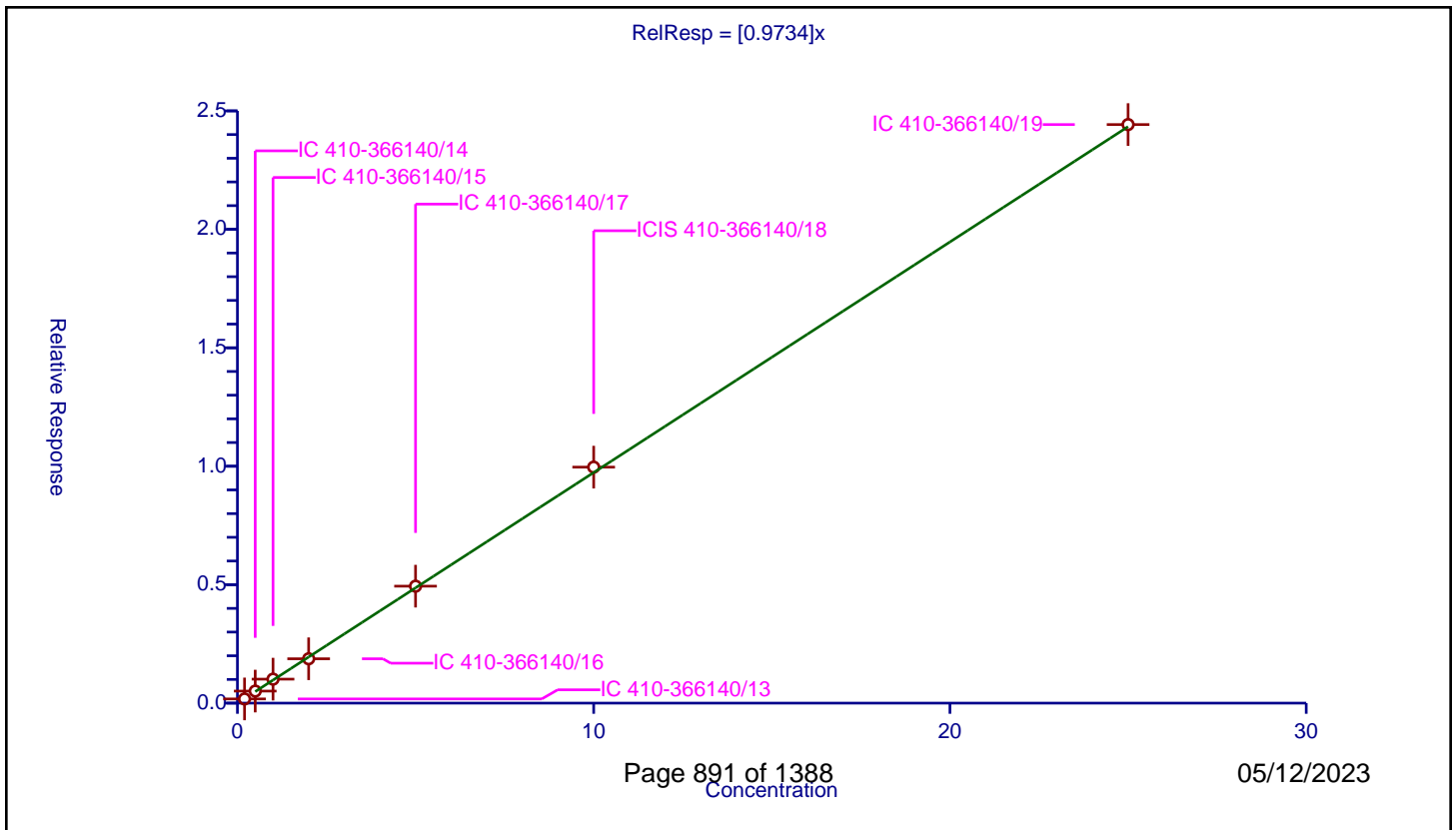
/ Chlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.9734

Error Coefficients	
Standard Error:	1610000
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 410-366140/13	0.2	0.17742	10.0	1410045.0	0.887099	Y
2	IC 410-366140/14	0.5	0.50865	10.0	1394279.0	1.0173	Y
3	IC 410-366140/15	1.0	1.012491	10.0	1397988.0	1.012491	Y
4	IC 410-366140/16	2.0	1.87248	10.0	1411369.0	0.93624	Y
5	IC 410-366140/17	5.0	4.936945	10.0	1430808.0	0.987389	Y
6	ICIS 410-366140/18	10.0	9.961465	10.0	1451141.0	0.996146	Y
7	IC 410-366140/19	25.0	24.422213	10.0	1471953.0	0.976889	Y



Calibration

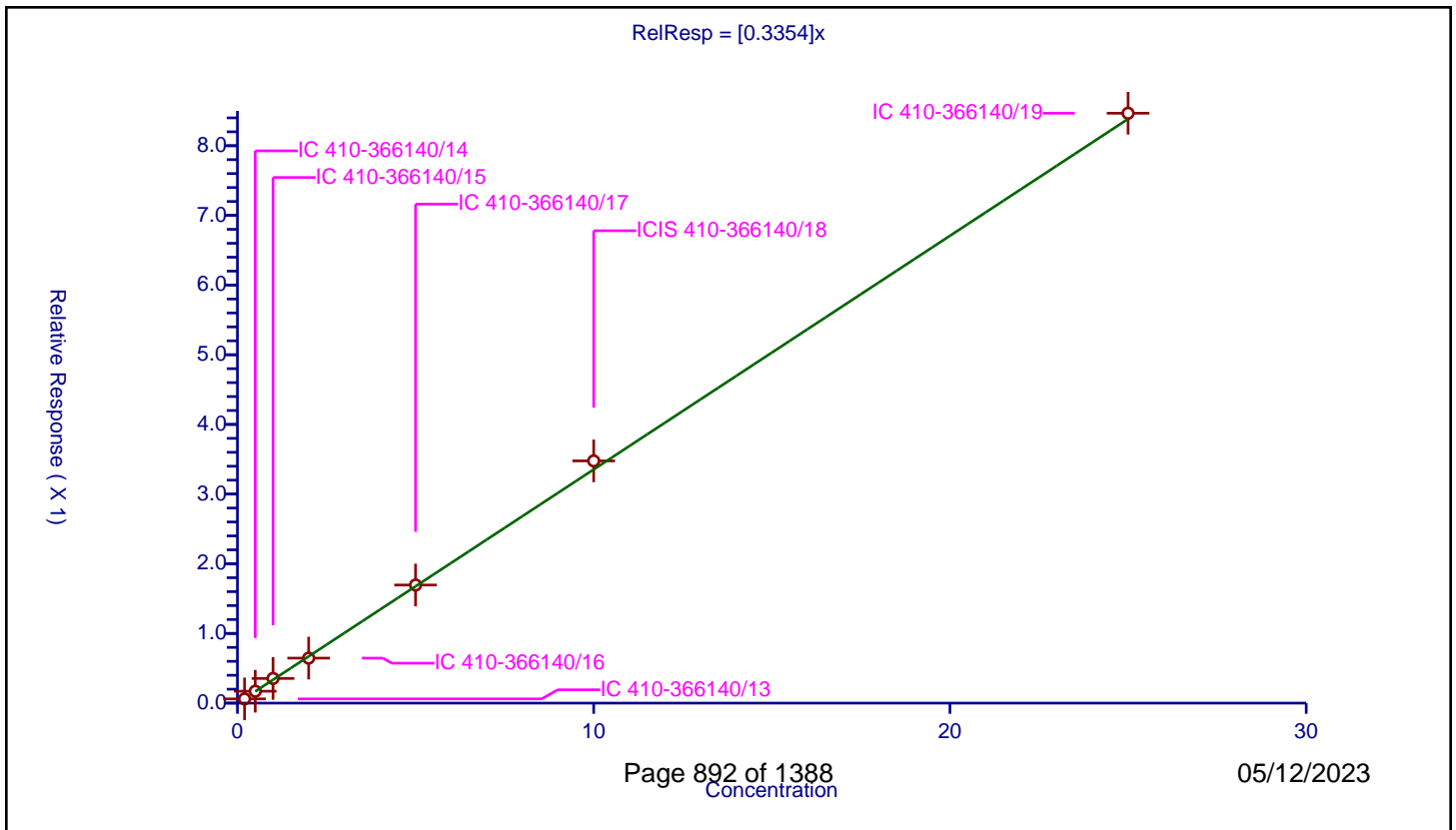
/ 1,1,1,2-Tetrachloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3354

Error Coefficients	
Standard Error:	559000
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 410-366140/13	0.2	0.060608	10.0	1410045.0	0.30304	Y
2	IC 410-366140/14	0.5	0.171027	10.0	1394279.0	0.342055	Y
3	IC 410-366140/15	1.0	0.354109	10.0	1397988.0	0.354109	Y
4	IC 410-366140/16	2.0	0.646004	10.0	1411369.0	0.323002	Y
5	IC 410-366140/17	5.0	1.695028	10.0	1430808.0	0.339006	Y
6	ICIS 410-366140/18	10.0	3.476637	10.0	1451141.0	0.347664	Y
7	IC 410-366140/19	25.0	8.466276	10.0	1471953.0	0.338651	Y



Calibration

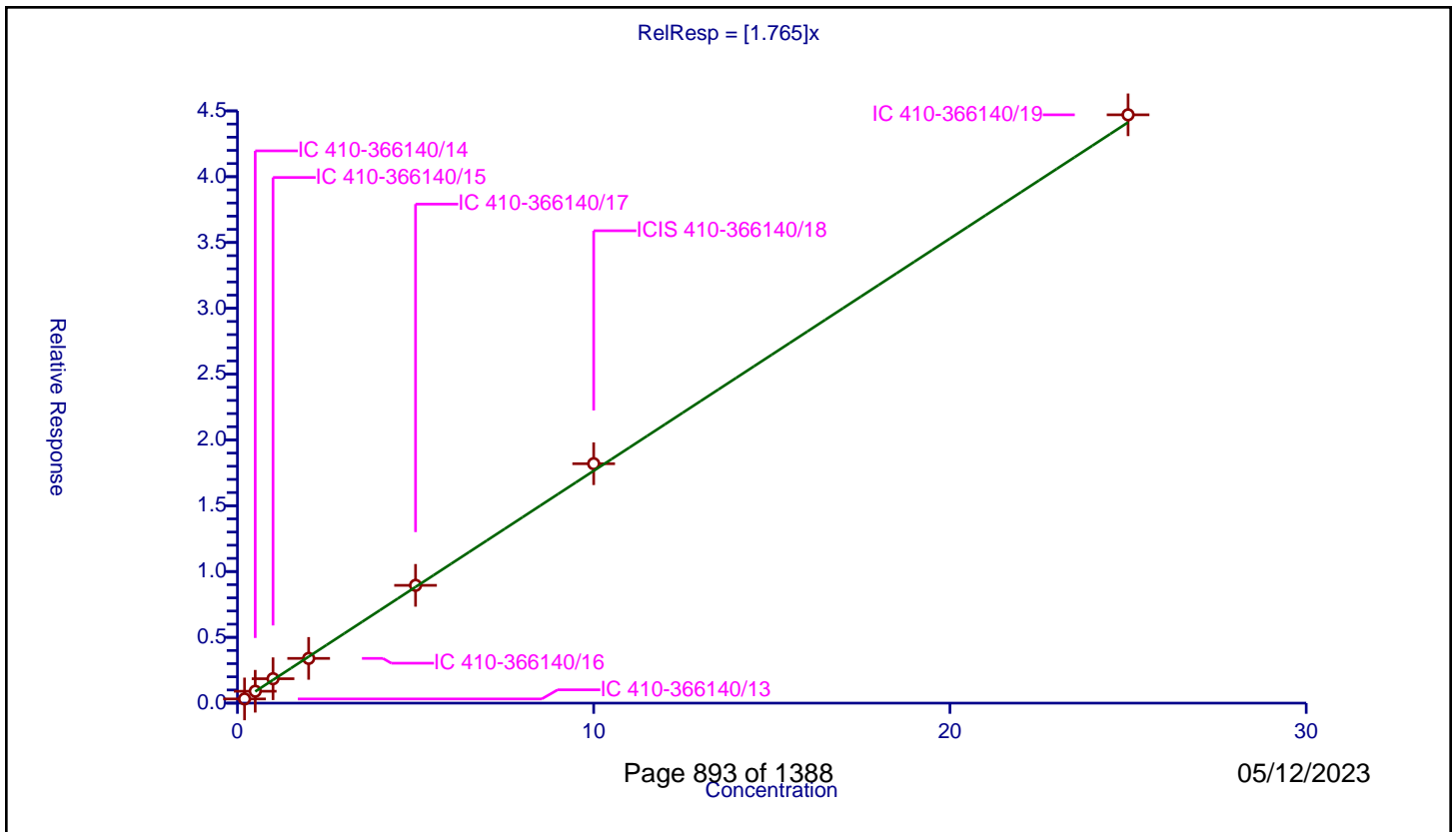
/ Ethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.765

Error Coefficients	
Standard Error:	2950000
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 410-366140/13	0.2	0.319359	10.0	1410045.0	1.596793	Y
2	IC 410-366140/14	0.5	0.9038	10.0	1394279.0	1.807601	Y
3	IC 410-366140/15	1.0	1.855152	10.0	1397988.0	1.855152	Y
4	IC 410-366140/16	2.0	3.398636	10.0	1411369.0	1.699318	Y
5	IC 410-366140/17	5.0	8.949915	10.0	1430808.0	1.789983	Y
6	ICIS 410-366140/18	10.0	18.19214	10.0	1451141.0	1.819214	Y
7	IC 410-366140/19	25.0	44.703194	10.0	1471953.0	1.788128	Y



Calibration

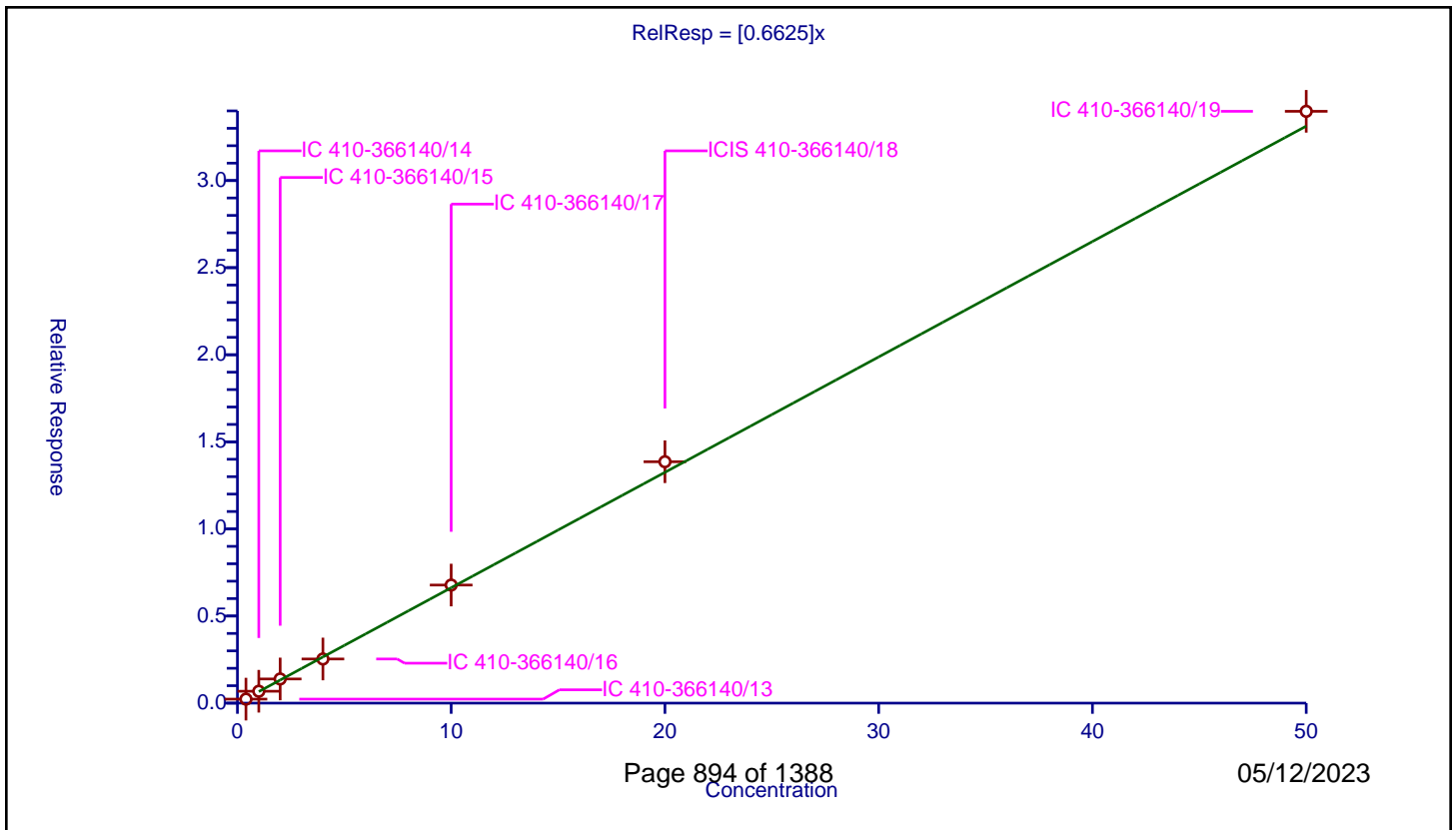
/ m-Xylene & p-Xylene

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

Curve Coefficients	
Intercept:	0
Slope:	0.6625

Error Coefficients	
Standard Error:	2240000
Relative Standard Error:	6.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	0.4	0.23073	10.0	1410045.0	0.576826	Y
2	IC 410-366140/14	1.0	0.682446	10.0	1394279.0	0.682446	Y
3	IC 410-366140/15	2.0	1.388324	10.0	1397988.0	0.694162	Y
4	IC 410-366140/16	4.0	2.535042	10.0	1411369.0	0.633761	Y
5	IC 410-366140/17	10.0	6.778429	10.0	1430808.0	0.677843	Y
6	ICIS 410-366140/18	20.0	13.858364	10.0	1451141.0	0.692918	Y
7	IC 410-366140/19	50.0	33.975086	10.0	1471953.0	0.679502	Y



Calibration

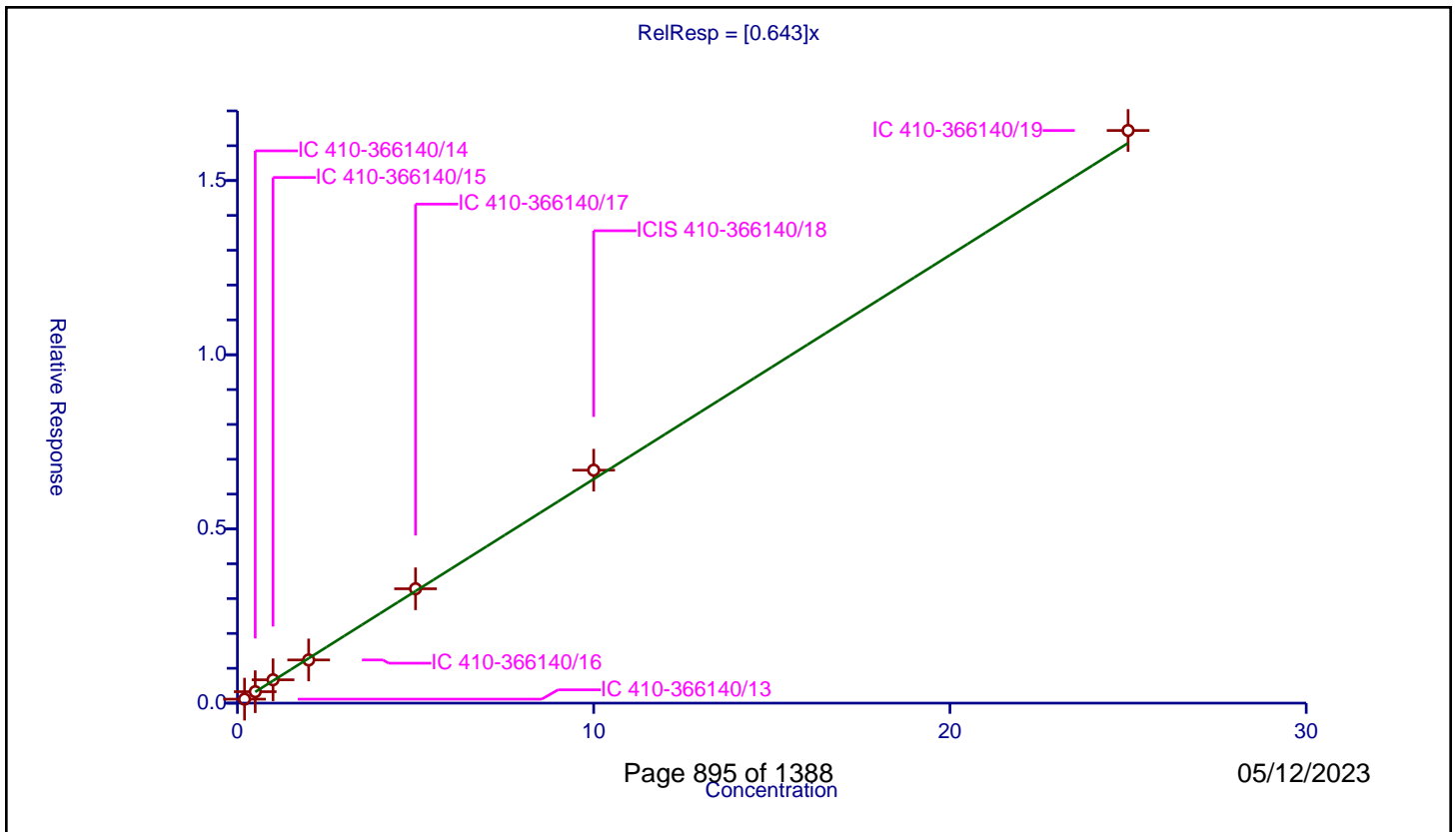
/ o-Xylene

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

Curve Coefficients	
Intercept:	0
Slope:	0.643

Error Coefficients	
Standard Error:	1080000
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 410-366140/13	0.2	0.11423	10.0	1410045.0	0.571152	Y
2	IC 410-366140/14	0.5	0.328722	10.0	1394279.0	0.657444	Y
3	IC 410-366140/15	1.0	0.670063	10.0	1397988.0	0.670063	Y
4	IC 410-366140/16	2.0	1.239952	10.0	1411369.0	0.619976	Y
5	IC 410-366140/17	5.0	3.282166	10.0	1430808.0	0.656433	Y
6	ICIS 410-366140/18	10.0	6.687076	10.0	1451141.0	0.668708	Y
7	IC 410-366140/19	25.0	16.436945	10.0	1471953.0	0.657478	Y



Calibration

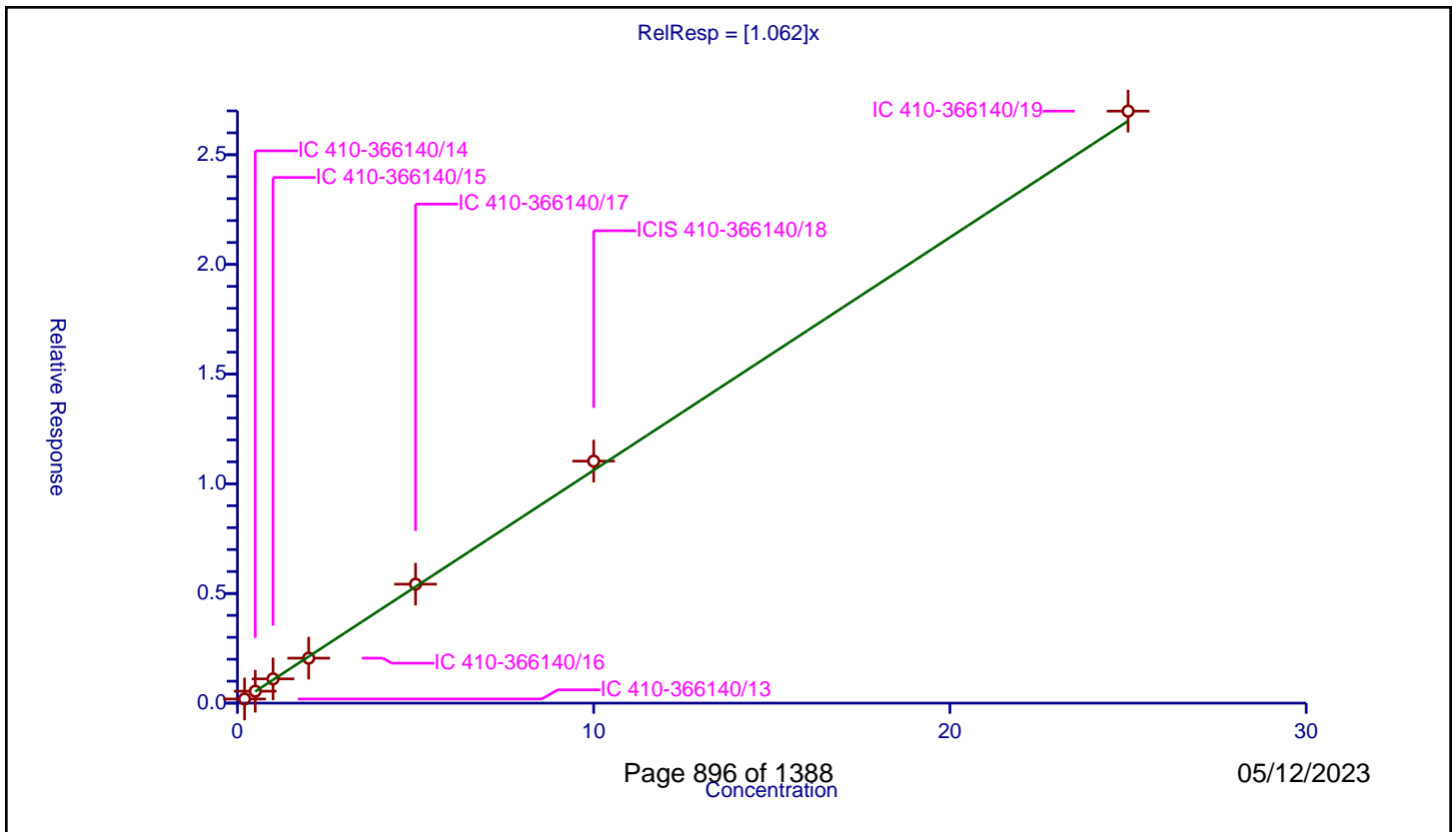
/ Styrene

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

Curve Coefficients	
Intercept:	0
Slope:	1.062

Error Coefficients	
Standard Error:	1780000
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 410-366140/13	0.2	0.188654	10.0	1410045.0	0.943268	Y
2	IC 410-366140/14	0.5	0.544798	10.0	1394279.0	1.089595	Y
3	IC 410-366140/15	1.0	1.105861	10.0	1397988.0	1.105861	Y
4	IC 410-366140/16	2.0	2.049733	10.0	1411369.0	1.024867	Y
5	IC 410-366140/17	5.0	5.423614	10.0	1430808.0	1.084723	Y
6	ICIS 410-366140/18	10.0	11.033387	10.0	1451141.0	1.103339	Y
7	IC 410-366140/19	25.0	26.989041	10.0	1471953.0	1.079562	Y



Calibration

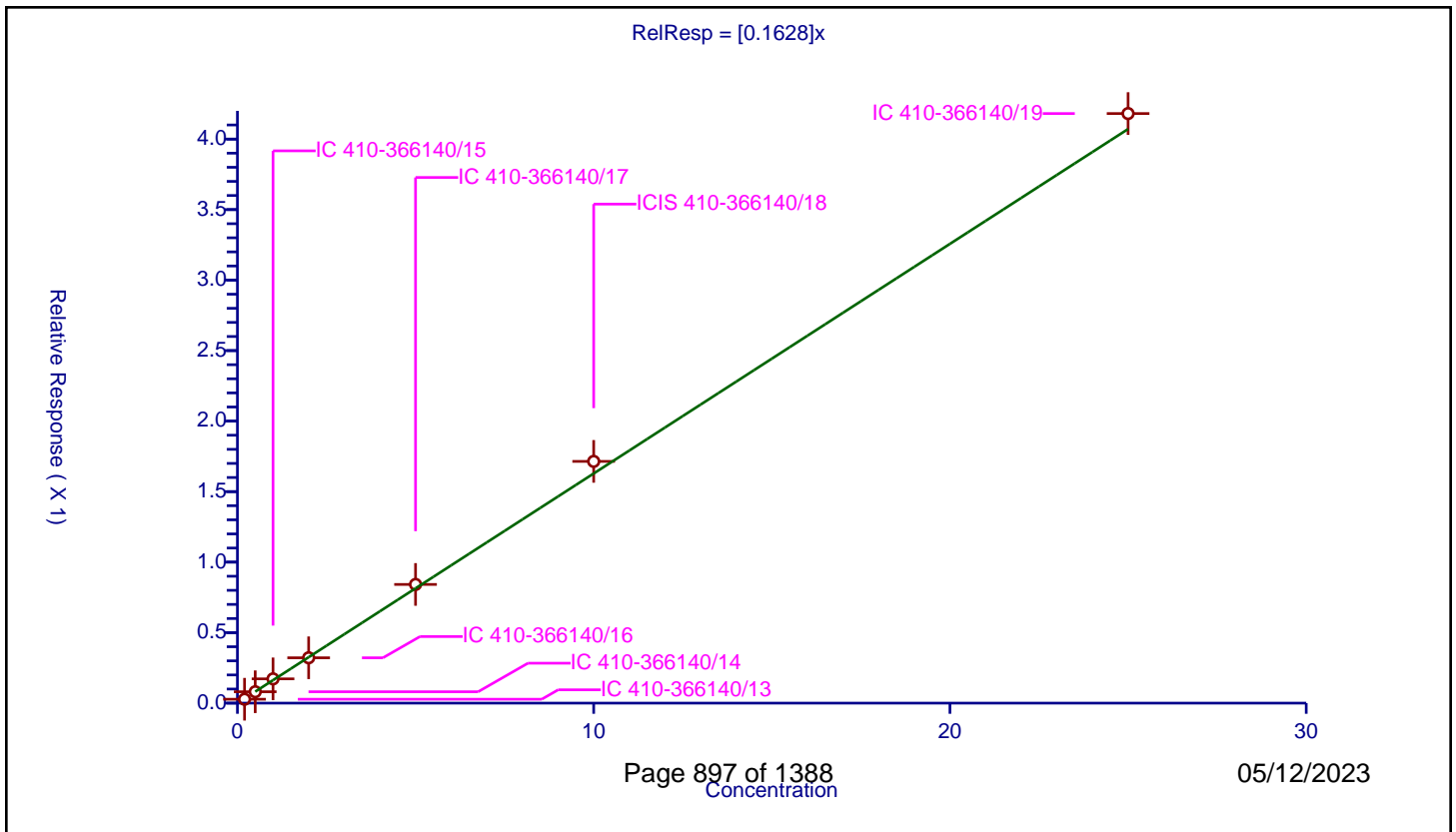
/ Bromoform

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

Curve Coefficients	
Intercept:	0
Slope:	0.1628

Error Coefficients	
Standard Error:	276000
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 410-366140/13	0.2	0.027694	10.0	1410045.0	0.138471	Y
2	IC 410-366140/14	0.5	0.080759	10.0	1394279.0	0.161517	Y
3	IC 410-366140/15	1.0	0.17209	10.0	1397988.0	0.17209	Y
4	IC 410-366140/16	2.0	0.321652	10.0	1411369.0	0.160826	Y
5	IC 410-366140/17	5.0	0.841755	10.0	1430808.0	0.168351	Y
6	ICIS 410-366140/18	10.0	1.714299	10.0	1451141.0	0.17143	Y
7	IC 410-366140/19	25.0	4.181112	10.0	1471953.0	0.167244	Y



Calibration

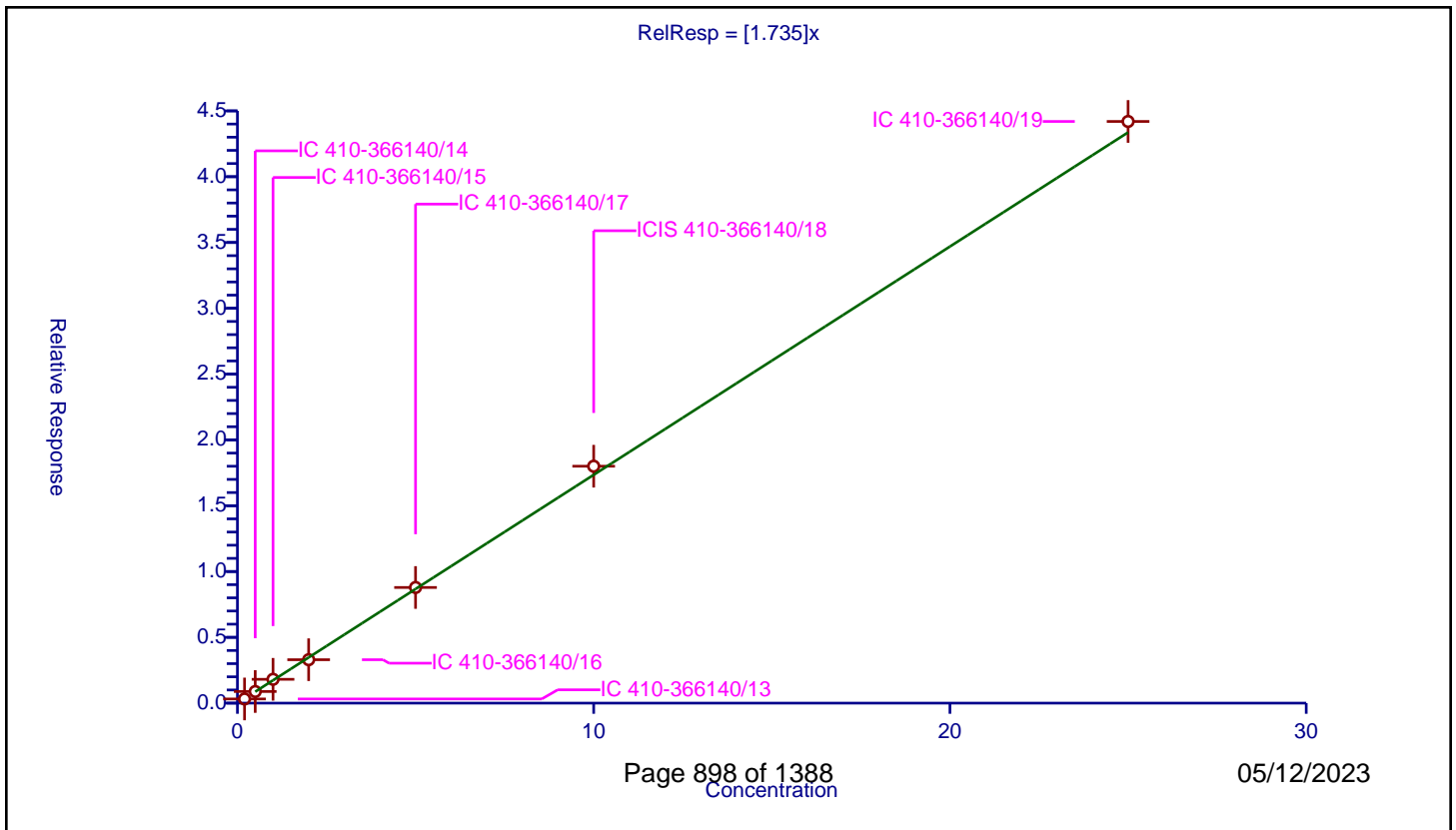
/ Isopropylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.735

Error Coefficients	
Standard Error:	2920000
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 410-366140/13	0.2	0.317515	10.0	1410045.0	1.587573	Y
2	IC 410-366140/14	0.5	0.884228	10.0	1394279.0	1.768455	Y
3	IC 410-366140/15	1.0	1.811117	10.0	1397988.0	1.811117	Y
4	IC 410-366140/16	2.0	3.299208	10.0	1411369.0	1.649604	Y
5	IC 410-366140/17	5.0	8.787783	10.0	1430808.0	1.757557	Y
6	ICIS 410-366140/18	10.0	18.002324	10.0	1451141.0	1.800232	Y
7	IC 410-366140/19	25.0	44.195718	10.0	1471953.0	1.767829	Y



Calibration

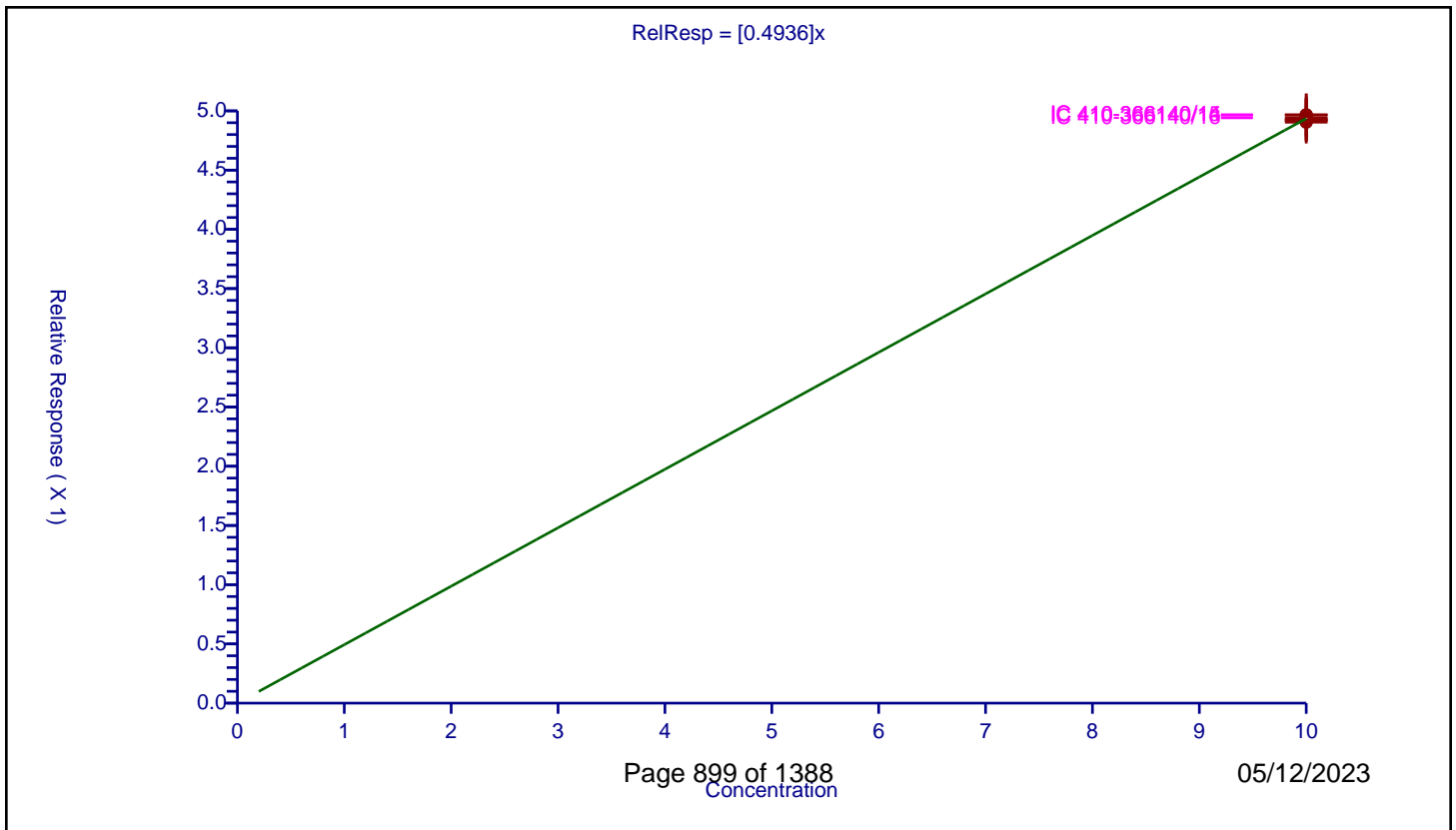
/ 4-Bromofluorobenzene (Surr)

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

Curve Coefficients	
Intercept:	0
Slope:	0.4936

Error Coefficients	
Standard Error:	759000
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 410-366140/13	10.0	4.904496	10.0	1410045.0	0.49045	Y
2	IC 410-366140/14	10.0	4.966273	10.0	1394279.0	0.496627	Y
3	IC 410-366140/15	10.0	4.965593	10.0	1397988.0	0.496559	Y
4	IC 410-366140/16	10.0	4.941521	10.0	1411369.0	0.494152	Y
5	IC 410-366140/17	10.0	4.918277	10.0	1430808.0	0.491828	Y
6	ICIS 410-366140/18	10.0	4.922554	10.0	1451141.0	0.492255	Y
7	IC 410-366140/19	10.0	4.929811	10.0	1471953.0	0.492981	Y



Calibration

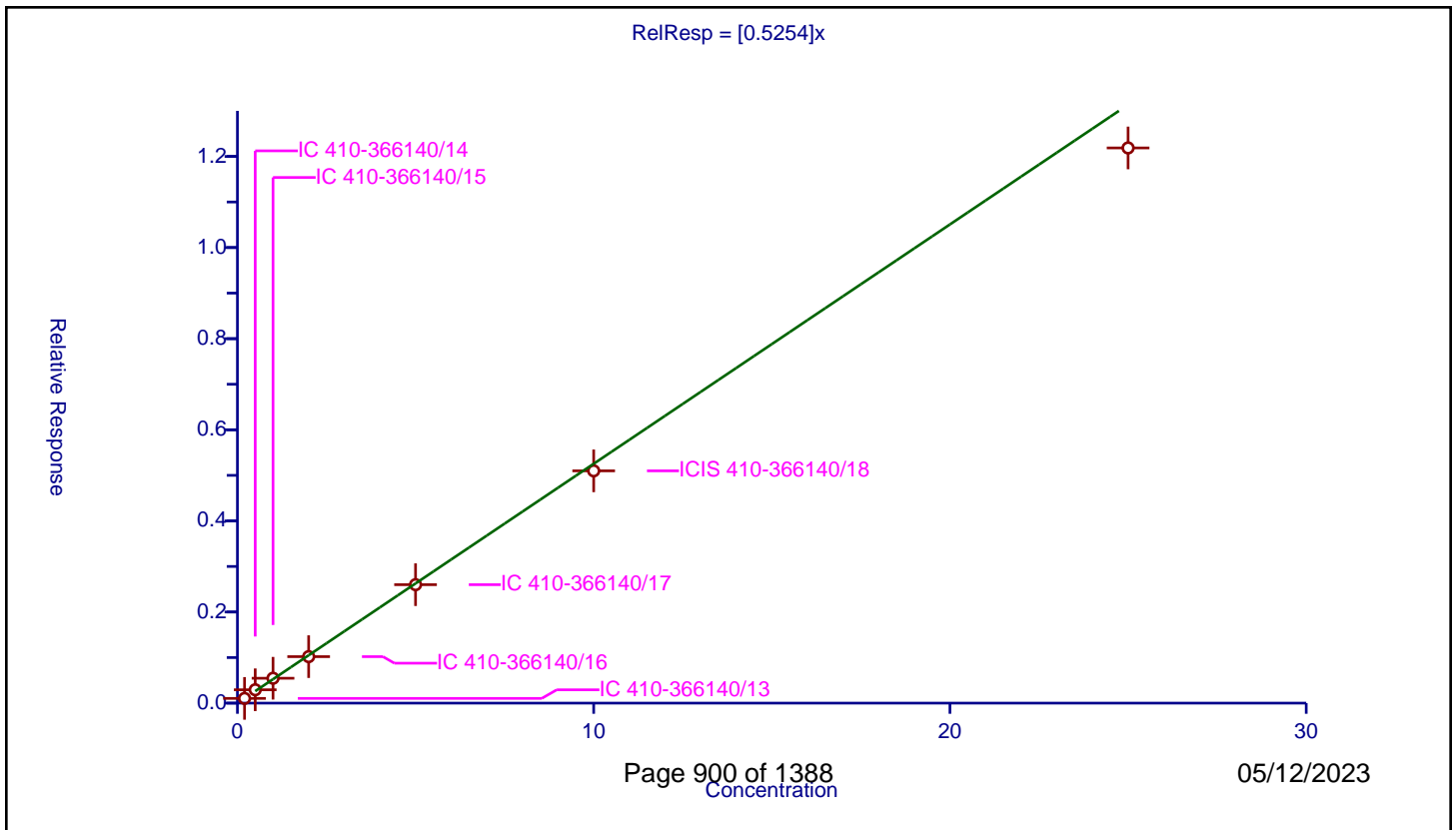
/ 1,1,2,2-Tetrachloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.5254

Error Coefficients	
Standard Error:	438000
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 410-366140/13	0.2	0.103628	10.0	756163.0	0.518142	Y
2	IC 410-366140/14	0.5	0.292926	10.0	752239.0	0.585851	Y
3	IC 410-366140/15	1.0	0.546116	10.0	762073.0	0.546116	Y
4	IC 410-366140/16	2.0	1.020687	10.0	762594.0	0.510344	Y
5	IC 410-366140/17	5.0	2.600065	10.0	769500.0	0.520013	Y
6	ICIS 410-366140/18	10.0	5.098667	10.0	792309.0	0.509867	Y
7	IC 410-366140/19	25.0	12.186505	10.0	795283.0	0.48746	Y



Calibration

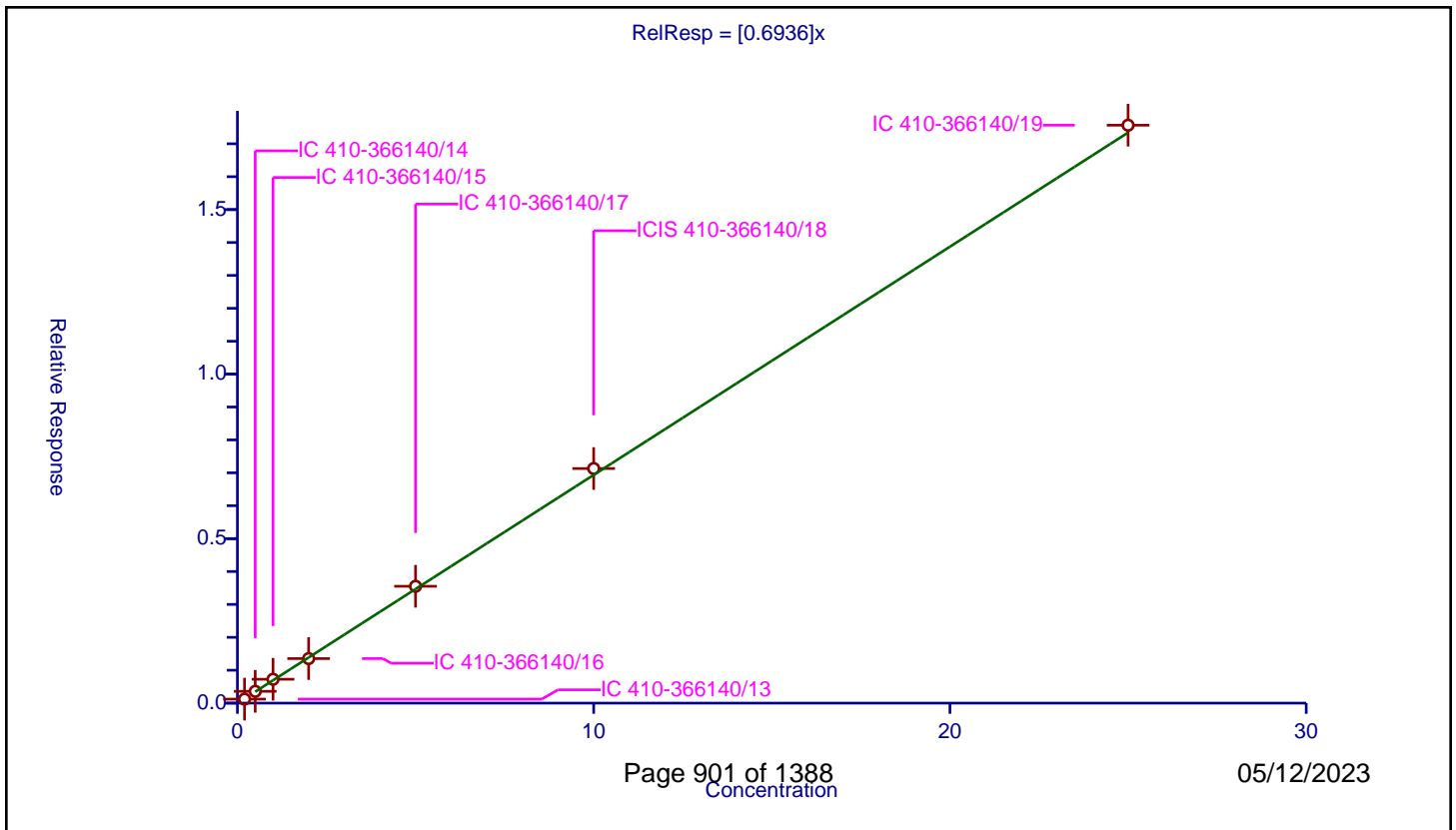
/ Bromobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.6936

Error Coefficients	
Standard Error:	627000
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 410-366140/13	0.2	0.121667	10.0	756163.0	0.608334	Y
2	IC 410-366140/14	0.5	0.359327	10.0	752239.0	0.718655	Y
3	IC 410-366140/15	1.0	0.725455	10.0	762073.0	0.725455	Y
4	IC 410-366140/16	2.0	1.354102	10.0	762594.0	0.677051	Y
5	IC 410-366140/17	5.0	3.55128	10.0	769500.0	0.710256	Y
6	ICIS 410-366140/18	10.0	7.130198	10.0	792309.0	0.71302	Y
7	IC 410-366140/19	25.0	17.564339	10.0	795283.0	0.702574	Y



Calibration

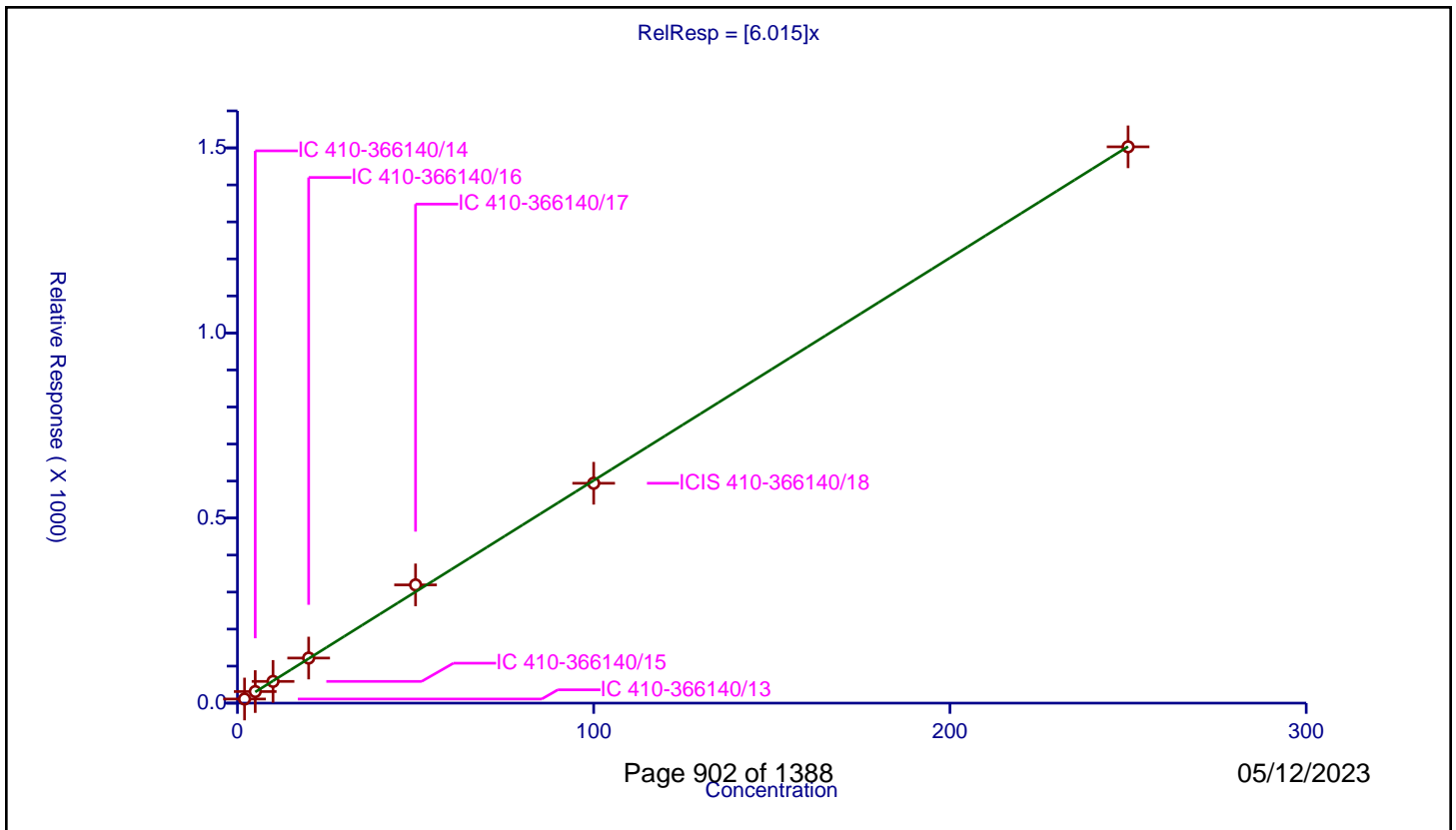
/ trans-1,4-Dichloro-2-butene

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

Curve Coefficients	
Intercept:	0
Slope:	6.015

Error Coefficients	
Standard Error:	1040000
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 410-366140/13	2.0	11.104109	50.0	59505.0	5.552054	Y
2	IC 410-366140/14	5.0	31.270223	50.0	64902.0	6.254045	Y
3	IC 410-366140/15	10.0	58.680546	50.0	74978.0	5.868055	Y
4	IC 410-366140/16	20.0	121.783414	50.0	68924.0	6.089171	Y
5	IC 410-366140/17	50.0	319.415291	50.0	70223.0	6.388306	Y
6	ICIS 410-366140/18	100.0	593.98953	50.0	78513.0	5.939895	Y
7	IC 410-366140/19	250.0	1502.963656	50.0	76932.0	6.011855	Y



Calibration

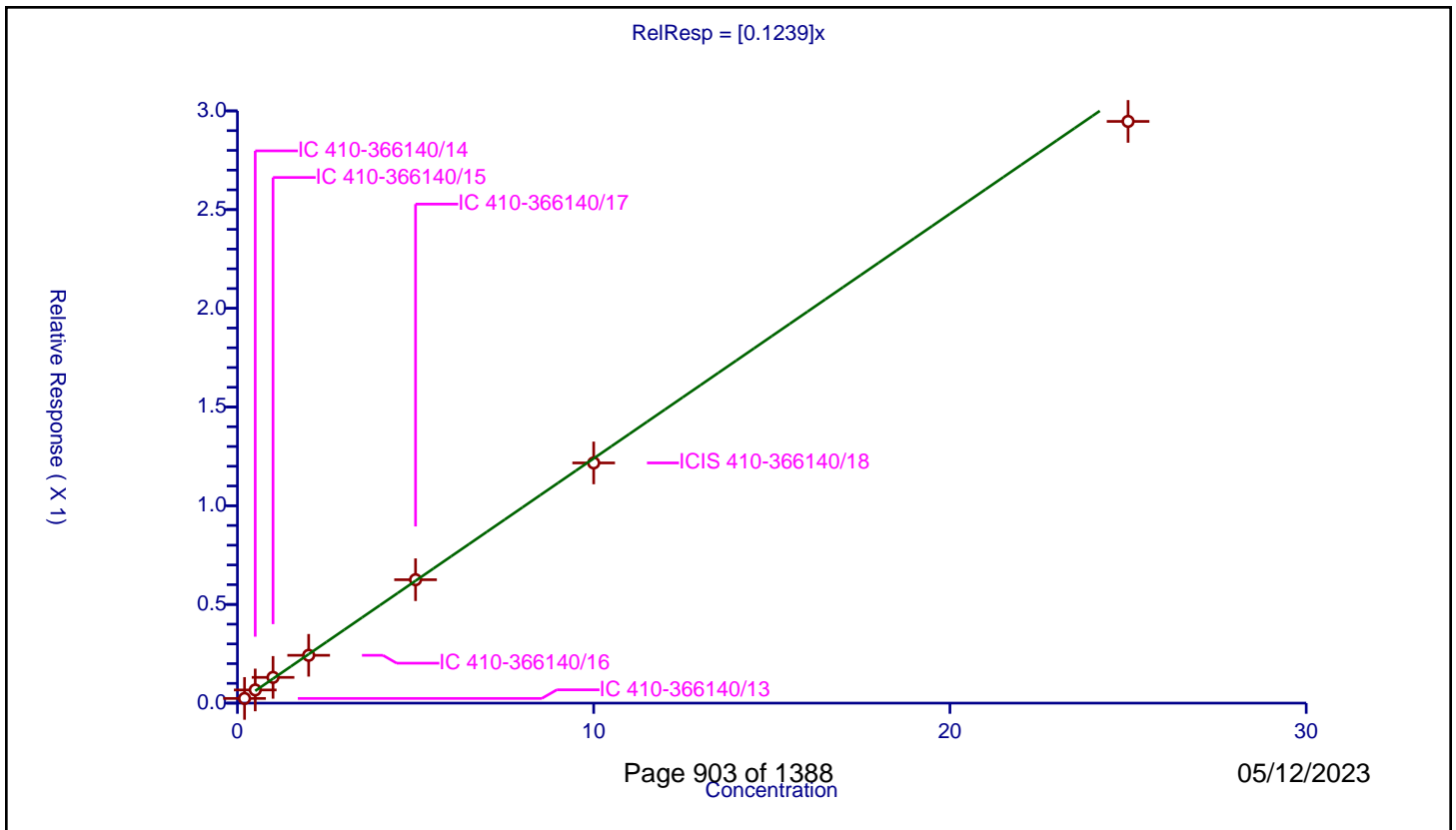
/ 1,2,3-Trichloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.1239

Error Coefficients	
Standard Error:	106000
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 410-366140/13	0.2	0.023632	10.0	756163.0	0.118162	Y
2	IC 410-366140/14	0.5	0.066654	10.0	752239.0	0.133309	Y
3	IC 410-366140/15	1.0	0.130407	10.0	762073.0	0.130407	Y
4	IC 410-366140/16	2.0	0.2422	10.0	762594.0	0.1211	Y
5	IC 410-366140/17	5.0	0.625068	10.0	769500.0	0.125014	Y
6	ICIS 410-366140/18	10.0	1.216697	10.0	792309.0	0.12167	Y
7	IC 410-366140/19	25.0	2.946674	10.0	795283.0	0.117867	Y



Calibration

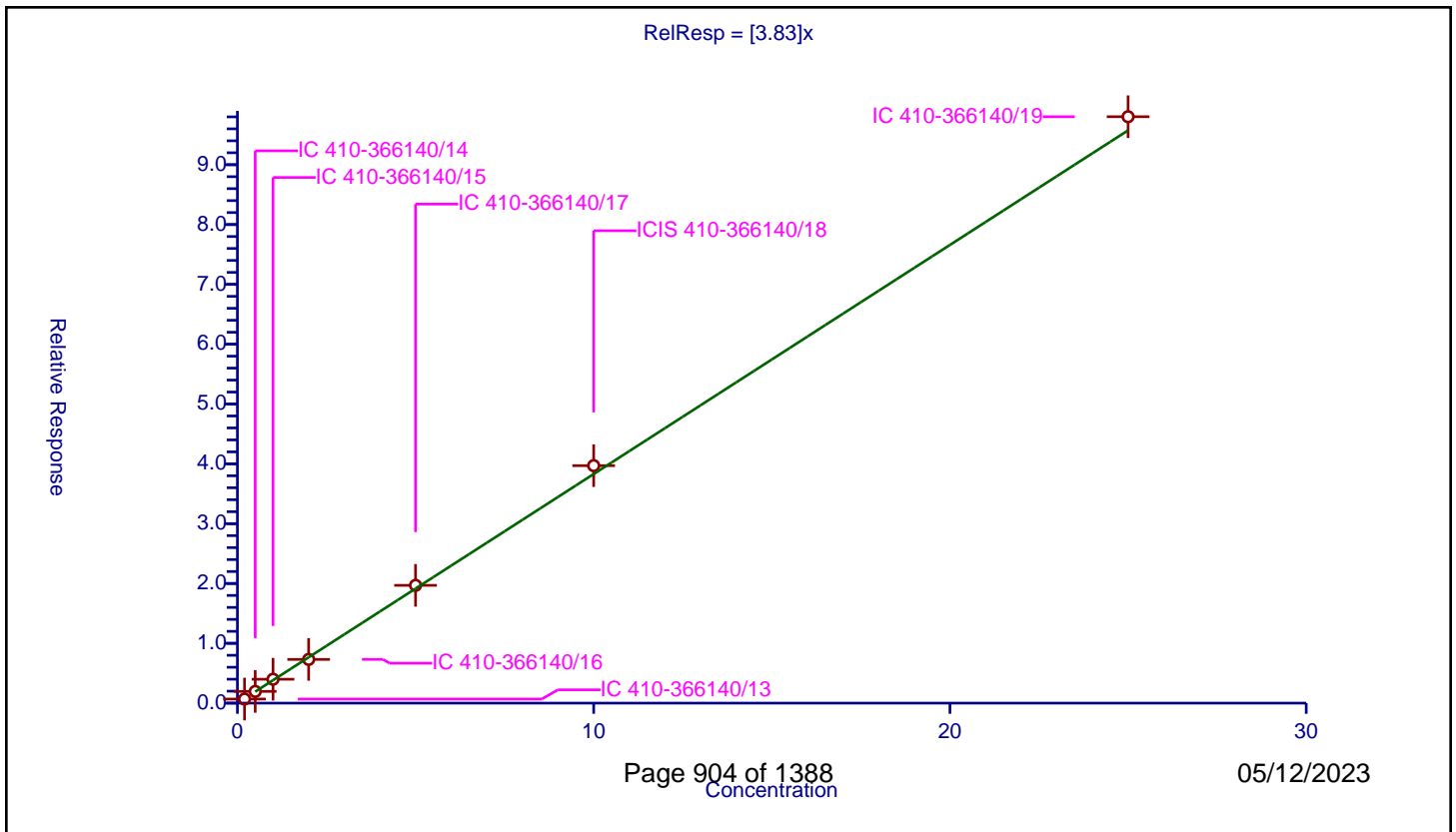
/ N-Propylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	3.83

Error Coefficients	
Standard Error:	3500000
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 410-366140/13	0.2	0.681612	10.0	756163.0	3.408061	Y
2	IC 410-366140/14	0.5	1.96084	10.0	752239.0	3.921679	Y
3	IC 410-366140/15	1.0	3.994617	10.0	762073.0	3.994617	Y
4	IC 410-366140/16	2.0	7.308568	10.0	762594.0	3.654284	Y
5	IC 410-366140/17	5.0	19.690903	10.0	769500.0	3.938181	Y
6	ICIS 410-366140/18	10.0	39.697908	10.0	792309.0	3.969791	Y
7	IC 410-366140/19	25.0	98.023622	10.0	795283.0	3.920945	Y



Calibration

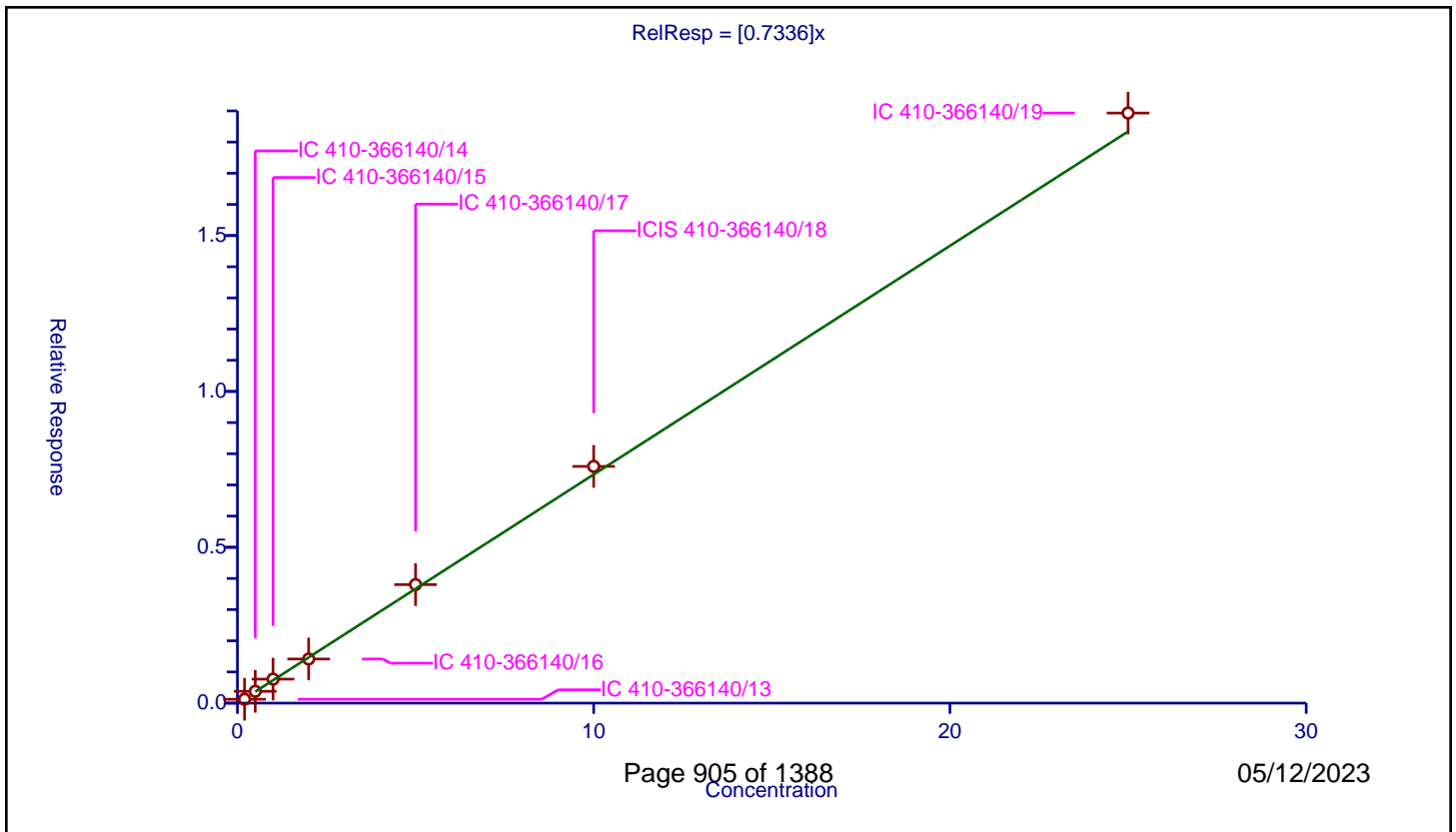
/ 2-Chlorotoluene

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

Curve Coefficients	
Intercept:	0
Slope:	0.7336

Error Coefficients	
Standard Error:	675000
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	0.2	0.124471	10.0	756163.0	0.622353	Y
2	IC 410-366140/14	0.5	0.378736	10.0	752239.0	0.757472	Y
3	IC 410-366140/15	1.0	0.770294	10.0	762073.0	0.770294	Y
4	IC 410-366140/16	2.0	1.415301	10.0	762594.0	0.70765	Y
5	IC 410-366140/17	5.0	3.802053	10.0	769500.0	0.760411	Y
6	ICIS 410-366140/18	10.0	7.594575	10.0	792309.0	0.759457	Y
7	IC 410-366140/19	25.0	18.93072	10.0	795283.0	0.757229	Y



Calibration

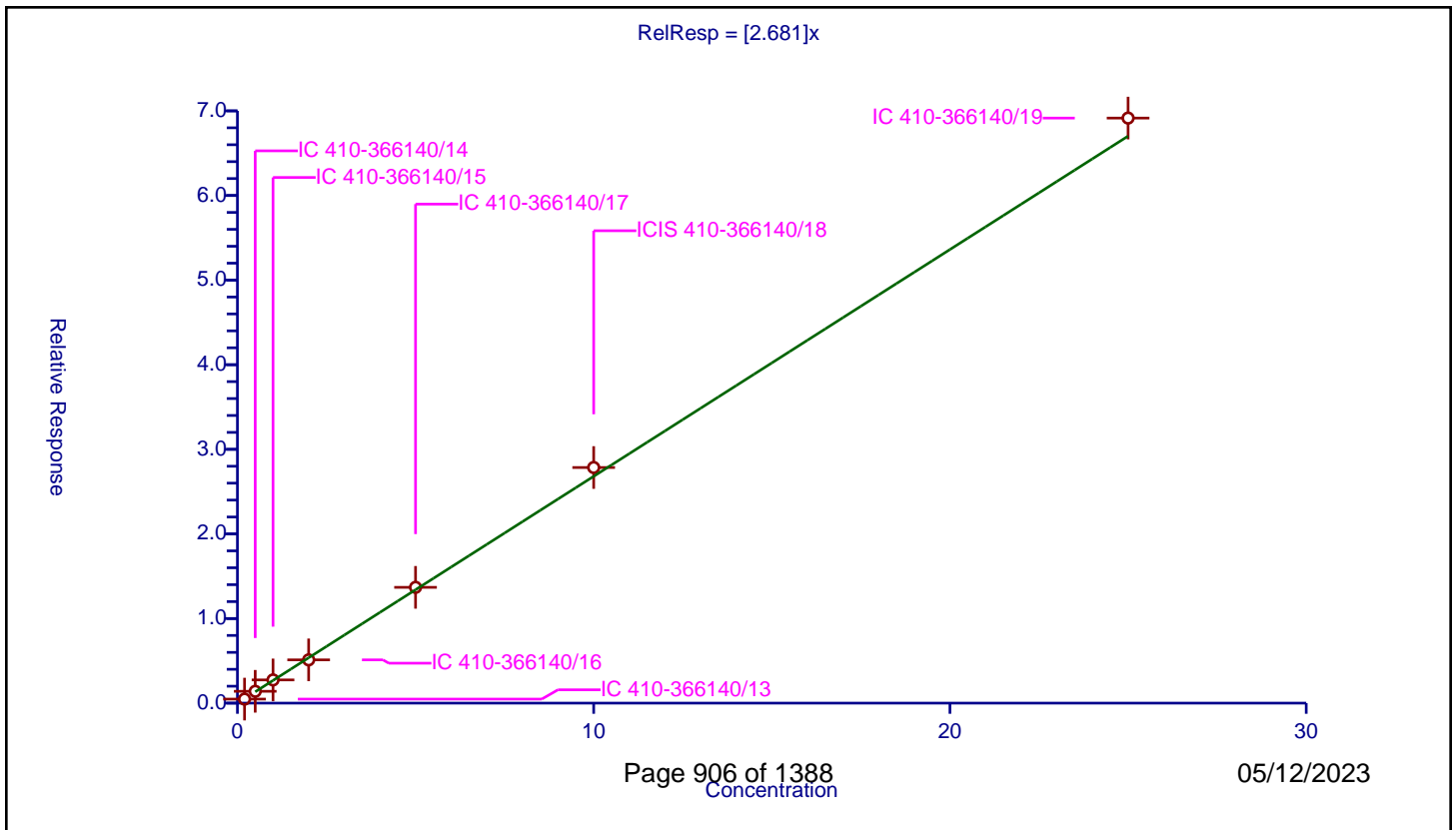
/ 1,3,5-Trimethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	2.681

Error Coefficients	
Standard Error:	2460000
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 410-366140/13	0.2	0.476008	10.0	756163.0	2.380042	Y
2	IC 410-366140/14	0.5	1.398385	10.0	752239.0	2.796771	Y
3	IC 410-366140/15	1.0	2.742729	10.0	762073.0	2.742729	Y
4	IC 410-366140/16	2.0	5.114819	10.0	762594.0	2.557409	Y
5	IC 410-366140/17	5.0	13.685939	10.0	769500.0	2.737188	Y
6	ICIS 410-366140/18	10.0	27.848668	10.0	792309.0	2.784867	Y
7	IC 410-366140/19	25.0	69.150743	10.0	795283.0	2.76603	Y



Calibration

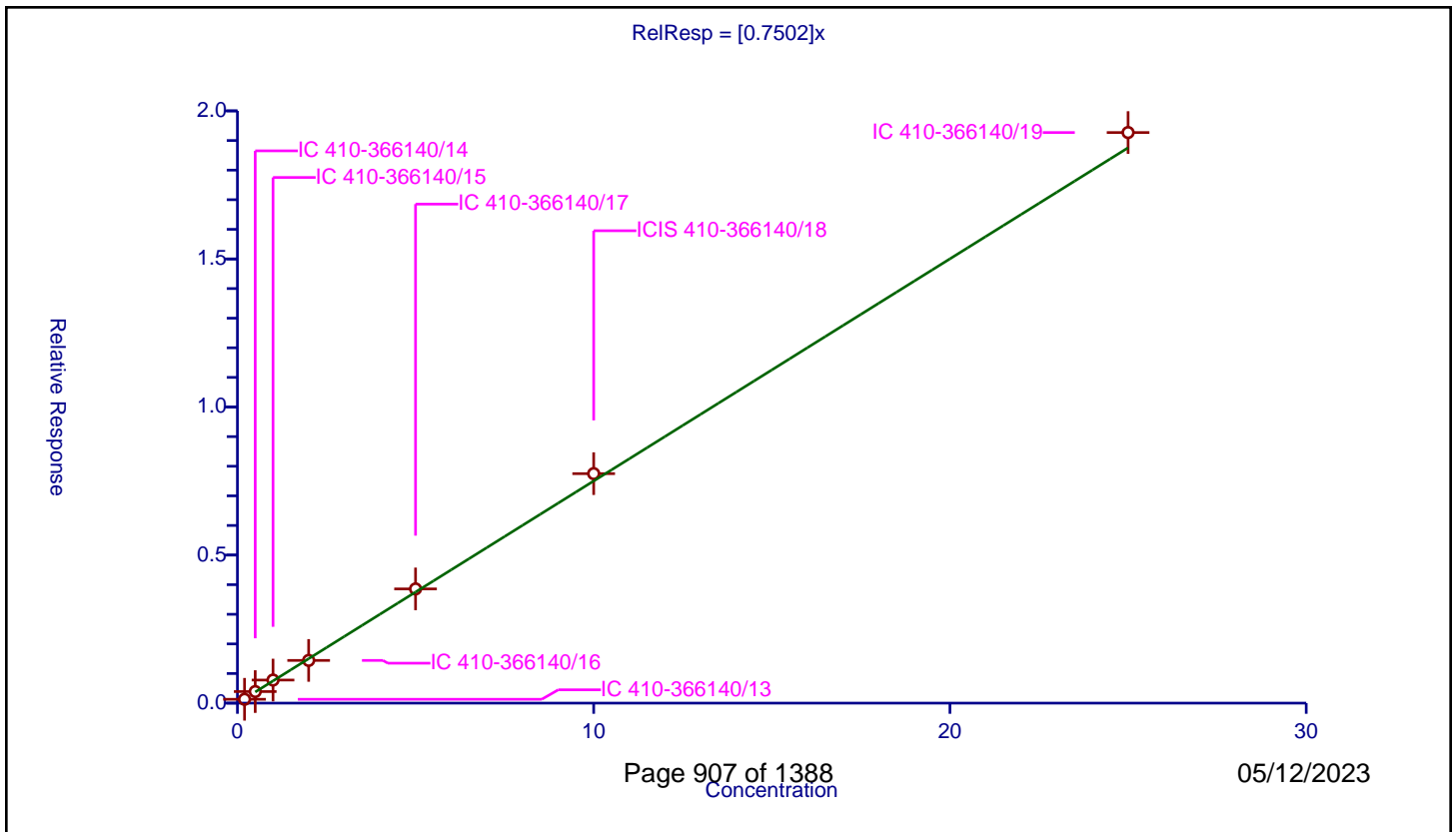
/ 4-Chlorotoluene

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

Curve Coefficients	
Intercept:	0
Slope:	0.7502

Error Coefficients	
Standard Error:	687000
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 410-366140/13	0.2	0.130223	10.0	756163.0	0.651116	Y
2	IC 410-366140/14	0.5	0.391006	10.0	752239.0	0.782012	Y
3	IC 410-366140/15	1.0	0.779768	10.0	762073.0	0.779768	Y
4	IC 410-366140/16	2.0	1.442301	10.0	762594.0	0.72115	Y
5	IC 410-366140/17	5.0	3.856946	10.0	769500.0	0.771389	Y
6	ICIS 410-366140/18	10.0	7.750171	10.0	792309.0	0.775017	Y
7	IC 410-366140/19	25.0	19.269116	10.0	795283.0	0.770765	Y



Calibration

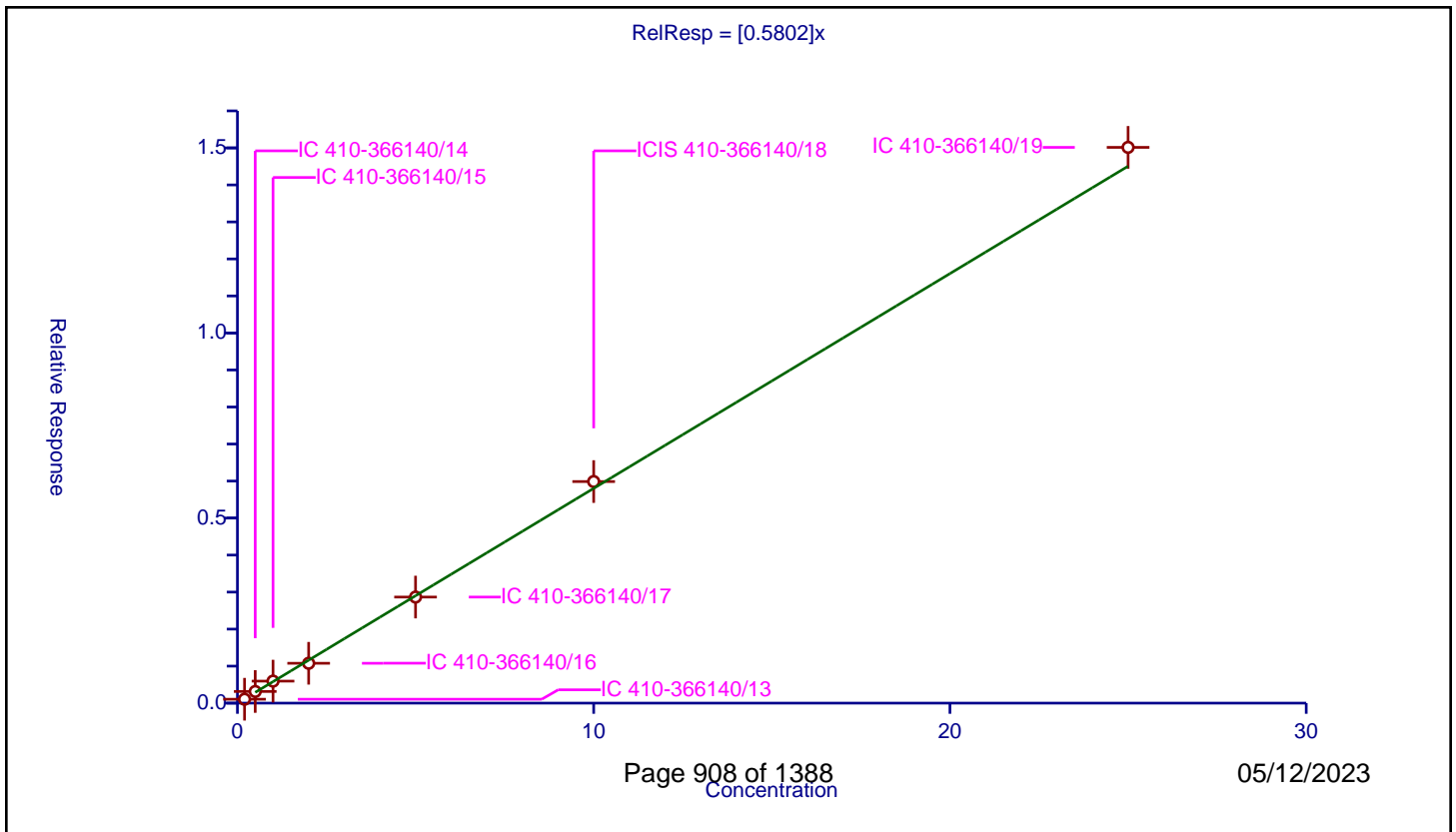
/ tert-Butylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.5802

Error Coefficients	
Standard Error:	534000
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 410-366140/13	0.2	0.105295	10.0	756163.0	0.526474	Y
2	IC 410-366140/14	0.5	0.315046	10.0	752239.0	0.630092	Y
3	IC 410-366140/15	1.0	0.594457	10.0	762073.0	0.594457	Y
4	IC 410-366140/16	2.0	1.076471	10.0	762594.0	0.538235	Y
5	IC 410-366140/17	5.0	2.865432	10.0	769500.0	0.573086	Y
6	ICIS 410-366140/18	10.0	5.986541	10.0	792309.0	0.598654	Y
7	IC 410-366140/19	25.0	15.014202	10.0	795283.0	0.600568	Y



Calibration

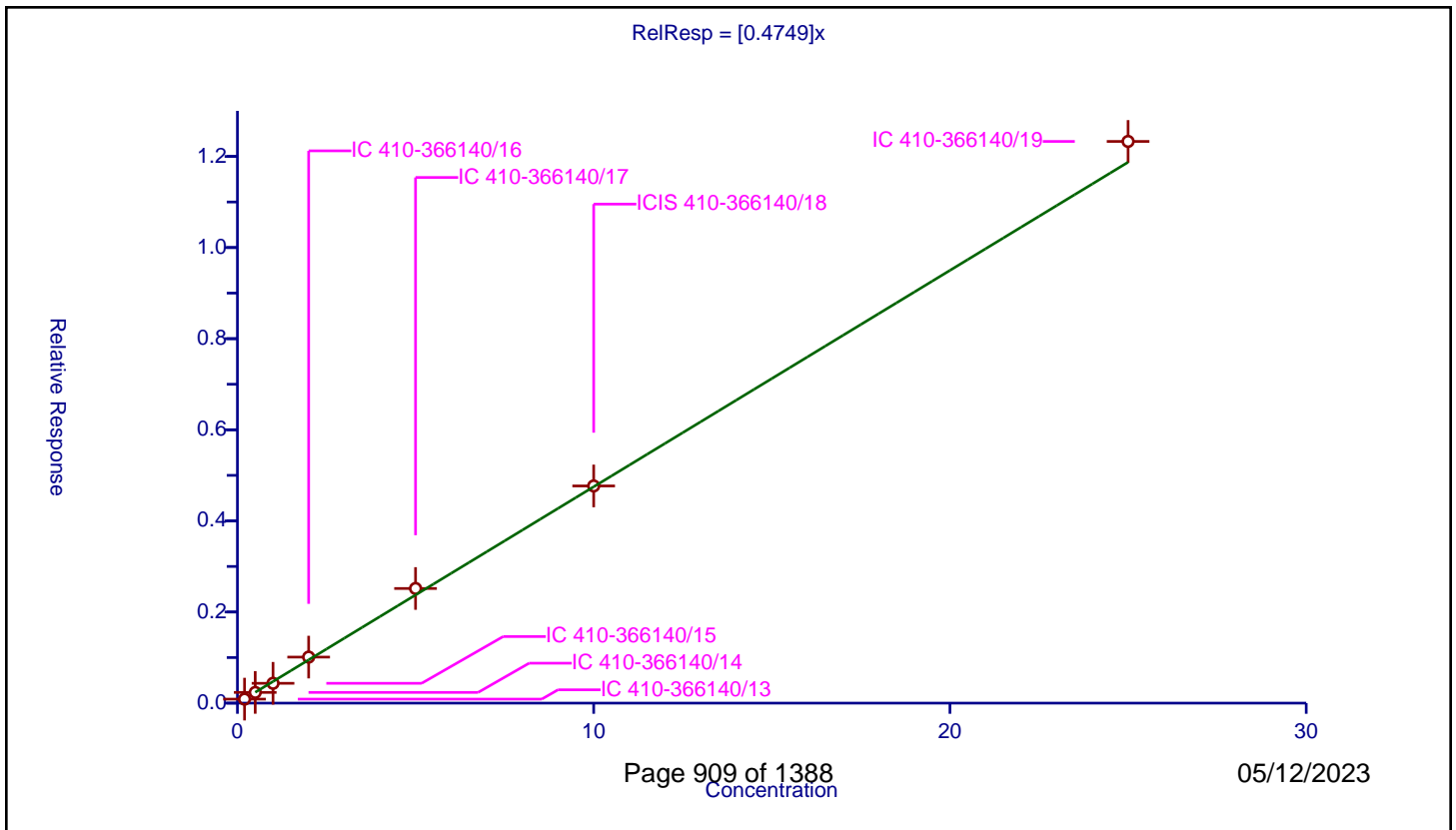
/ Pentachloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4749

Error Coefficients	
Standard Error:	438000
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 410-366140/13	0.2	0.08805	10.0	756163.0	0.440249	Y
2	IC 410-366140/14	0.5	0.235125	10.0	752239.0	0.470249	Y
3	IC 410-366140/15	1.0	0.435457	10.0	762073.0	0.435457	Y
4	IC 410-366140/16	2.0	1.010721	10.0	762594.0	0.505361	Y
5	IC 410-366140/17	5.0	2.516478	10.0	769500.0	0.503296	Y
6	ICIS 410-366140/18	10.0	4.767168	10.0	792309.0	0.476717	Y
7	IC 410-366140/19	25.0	12.329473	10.0	795283.0	0.493179	Y



Calibration

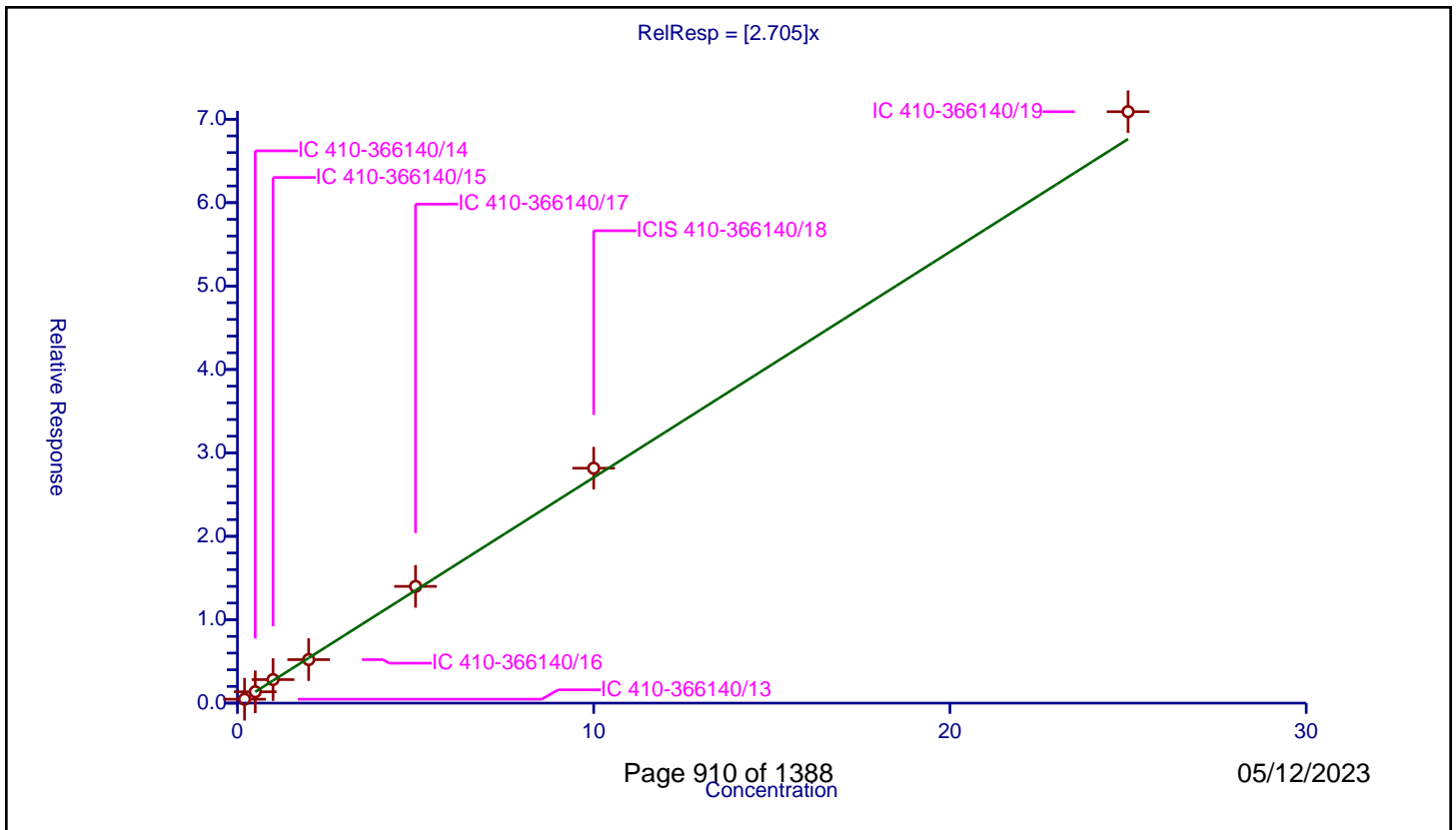
/ 1,2,4-Trimethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	2.705

Error Coefficients	
Standard Error:	2520000
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 410-366140/13	0.2	0.467492	10.0	756163.0	2.337459	Y
2	IC 410-366140/14	0.5	1.359754	10.0	752239.0	2.719508	Y
3	IC 410-366140/15	1.0	2.819861	10.0	762073.0	2.819861	Y
4	IC 410-366140/16	2.0	5.214675	10.0	762594.0	2.607338	Y
5	IC 410-366140/17	5.0	13.996582	10.0	769500.0	2.799316	Y
6	ICIS 410-366140/18	10.0	28.164163	10.0	792309.0	2.816416	Y
7	IC 410-366140/19	25.0	70.9032	10.0	795283.0	2.836128	Y



Calibration

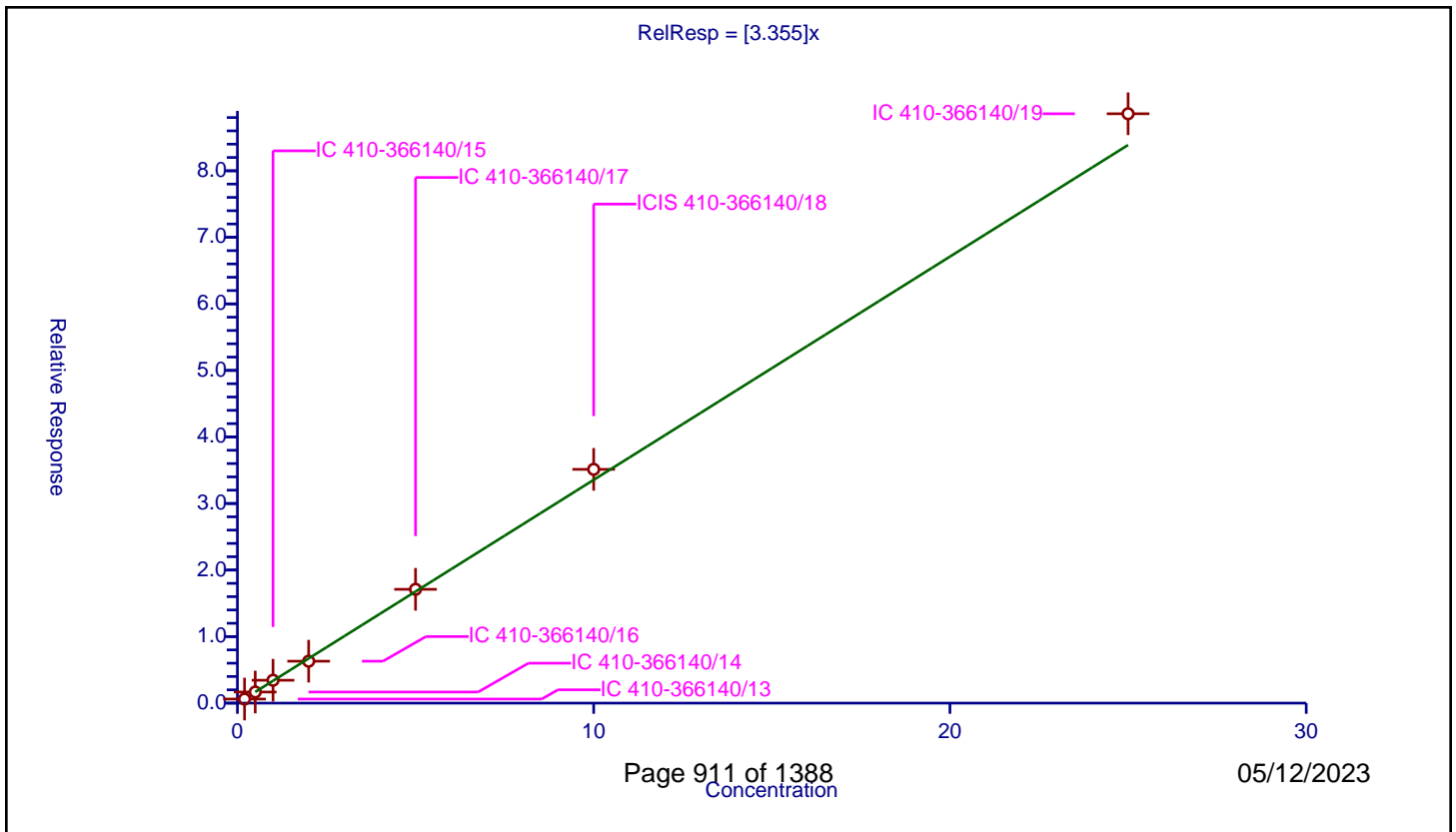
/ sec-Butylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	3.355

Error Coefficients	
Standard Error:	3150000
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 410-366140/13	0.2	0.614841	10.0	756163.0	3.074205	Y
2	IC 410-366140/14	0.5	1.672181	10.0	752239.0	3.344363	Y
3	IC 410-366140/15	1.0	3.438752	10.0	762073.0	3.438752	Y
4	IC 410-366140/16	2.0	6.300692	10.0	762594.0	3.150346	Y
5	IC 410-366140/17	5.0	17.103691	10.0	769500.0	3.420738	Y
6	ICIS 410-366140/18	10.0	35.131003	10.0	792309.0	3.5131	Y
7	IC 410-366140/19	25.0	88.569314	10.0	795283.0	3.542773	Y



Calibration

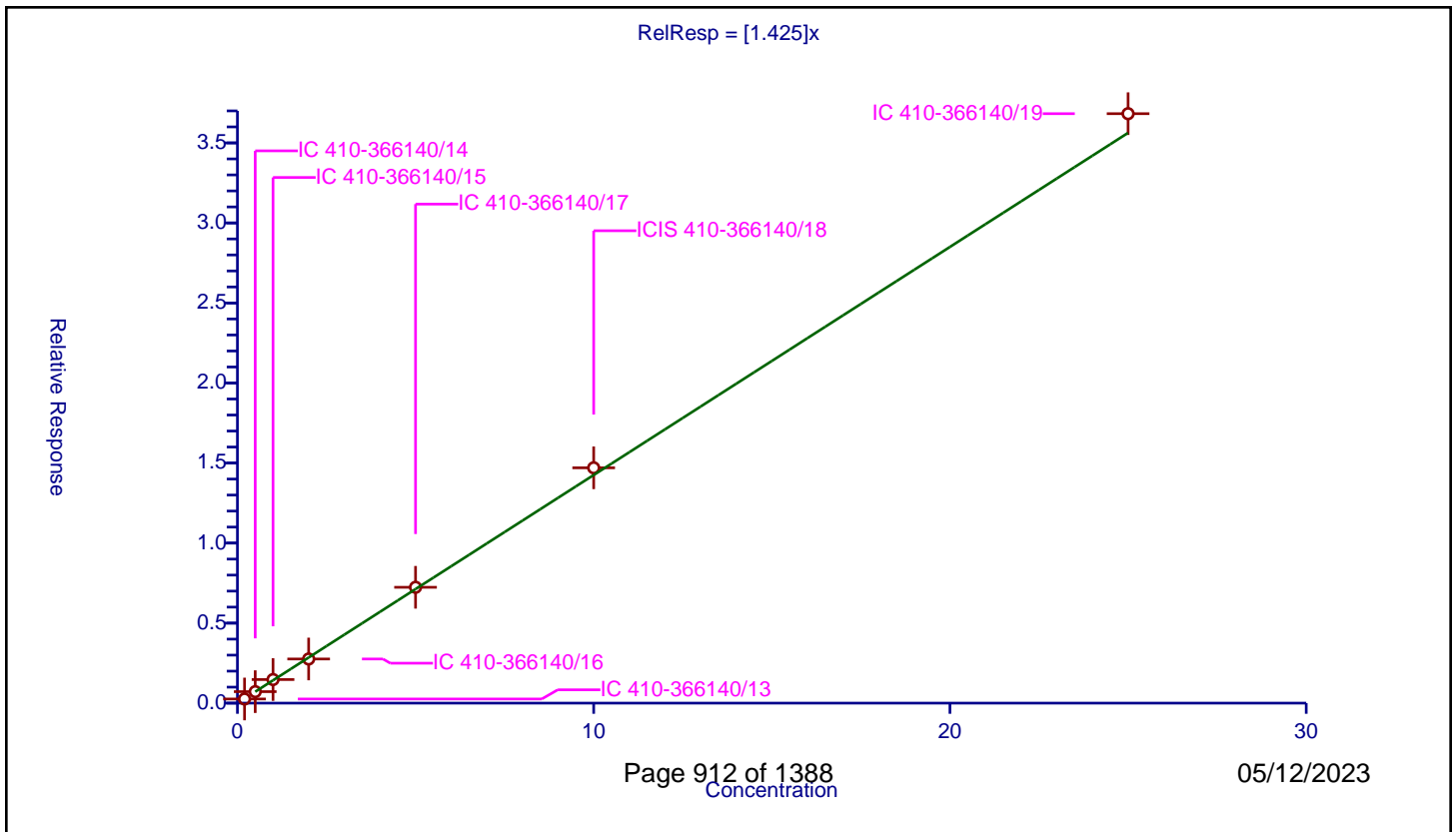
/ 1,3-Dichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.425

Error Coefficients	
Standard Error:	1310000
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 410-366140/13	0.2	0.259349	10.0	756163.0	1.296744	Y
2	IC 410-366140/14	0.5	0.717963	10.0	752239.0	1.435927	Y
3	IC 410-366140/15	1.0	1.472759	10.0	762073.0	1.472759	Y
4	IC 410-366140/16	2.0	2.758703	10.0	762594.0	1.379351	Y
5	IC 410-366140/17	5.0	7.237726	10.0	769500.0	1.447545	Y
6	ICIS 410-366140/18	10.0	14.70112	10.0	792309.0	1.470112	Y
7	IC 410-366140/19	25.0	36.825294	10.0	795283.0	1.473012	Y



Calibration

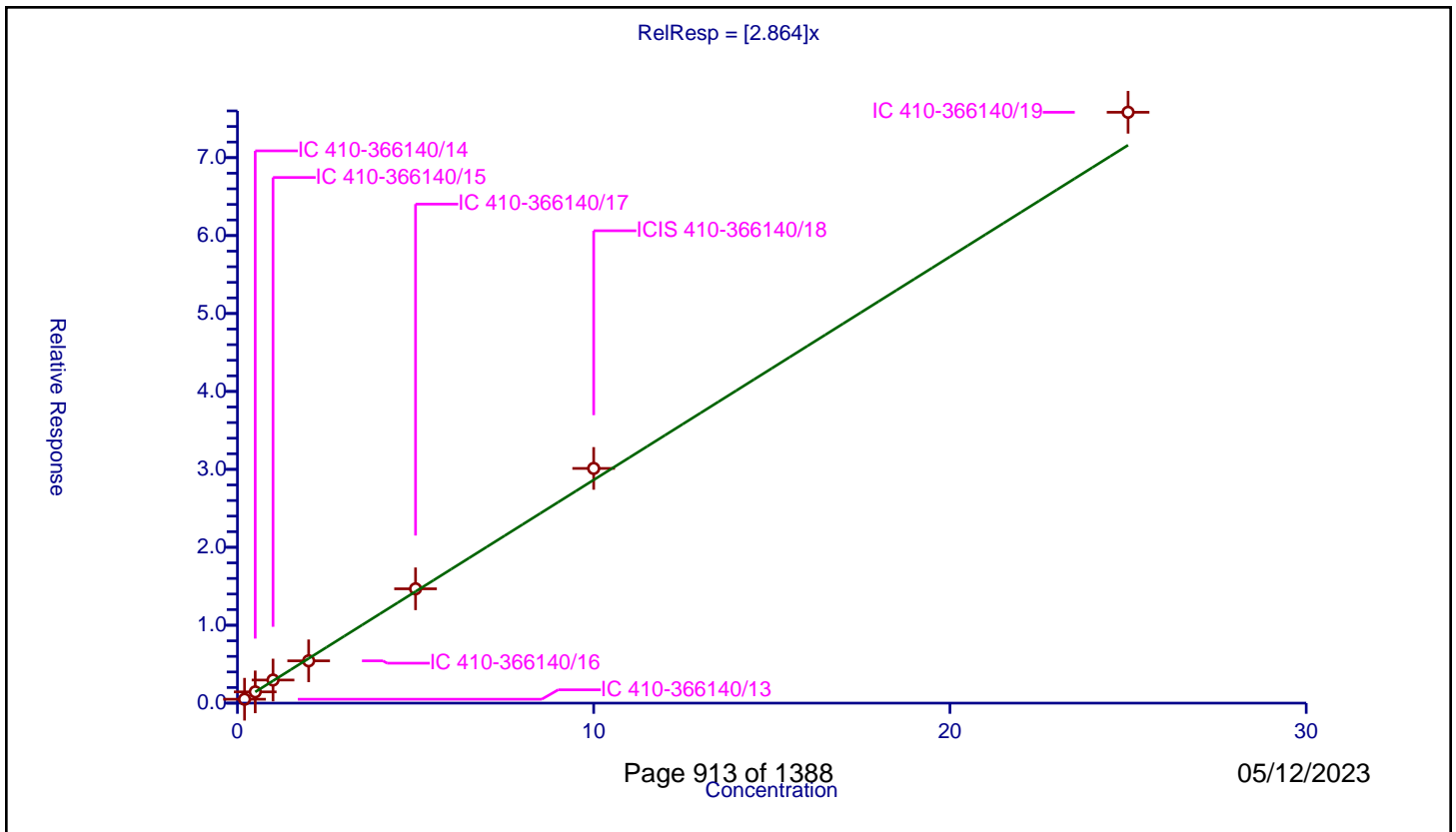
/ 4-Isopropyltoluene

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

Curve Coefficients	
Intercept:	0
Slope:	2.864

Error Coefficients	
Standard Error:	2690000
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 410-366140/13	0.2	0.500091	10.0	756163.0	2.500453	Y
2	IC 410-366140/14	0.5	1.445551	10.0	752239.0	2.891102	Y
3	IC 410-366140/15	1.0	2.964532	10.0	762073.0	2.964532	Y
4	IC 410-366140/16	2.0	5.428341	10.0	762594.0	2.71417	Y
5	IC 410-366140/17	5.0	14.672424	10.0	769500.0	2.934485	Y
6	ICIS 410-366140/18	10.0	30.117871	10.0	792309.0	3.011787	Y
7	IC 410-366140/19	25.0	75.822845	10.0	795283.0	3.032914	Y



Calibration

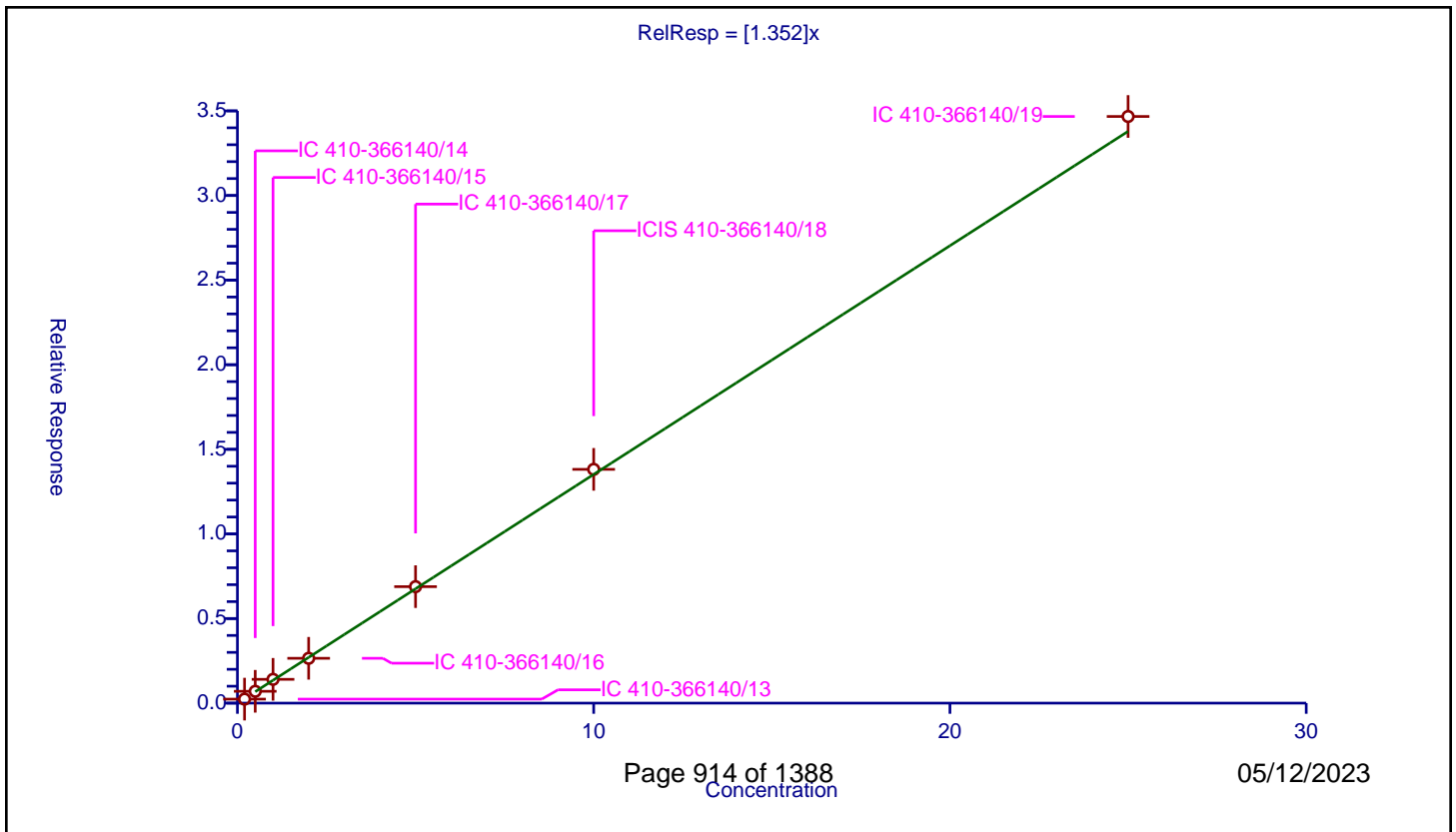
/ 1,4-Dichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.352

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 410-366140/13	0.2	0.236999	10.0	756163.0	1.184996	Y
2	IC 410-366140/14	0.5	0.700256	10.0	752239.0	1.400512	Y
3	IC 410-366140/15	1.0	1.406073	10.0	762073.0	1.406073	Y
4	IC 410-366140/16	2.0	2.649234	10.0	762594.0	1.324617	Y
5	IC 410-366140/17	5.0	6.8836	10.0	769500.0	1.37672	Y
6	ICIS 410-366140/18	10.0	13.815077	10.0	792309.0	1.381508	Y
7	IC 410-366140/19	25.0	34.668766	10.0	795283.0	1.386751	Y



Calibration

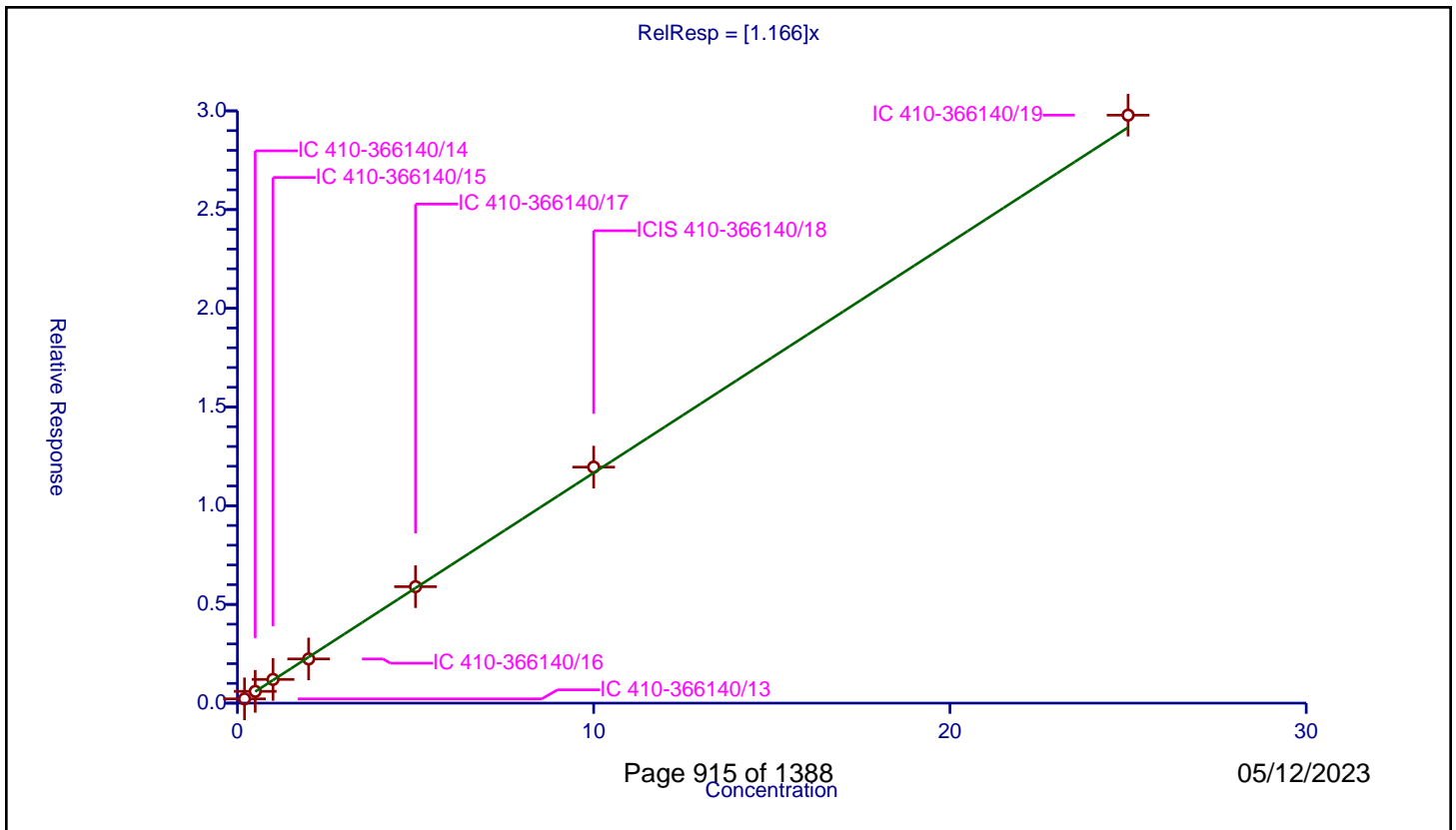
/ 1,2,3-Trimethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.166

Error Coefficients	
Standard Error:	1060000
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 410-366140/13	0.2	0.216699	10.0	756163.0	1.083497	Y
2	IC 410-366140/14	0.5	0.597217	10.0	752239.0	1.194434	Y
3	IC 410-366140/15	1.0	1.201105	10.0	762073.0	1.201105	Y
4	IC 410-366140/16	2.0	2.23937	10.0	762594.0	1.119685	Y
5	IC 410-366140/17	5.0	5.898869	10.0	769500.0	1.179774	Y
6	ICIS 410-366140/18	10.0	11.955058	10.0	792309.0	1.195506	Y
7	IC 410-366140/19	25.0	29.783197	10.0	795283.0	1.191328	Y



Calibration

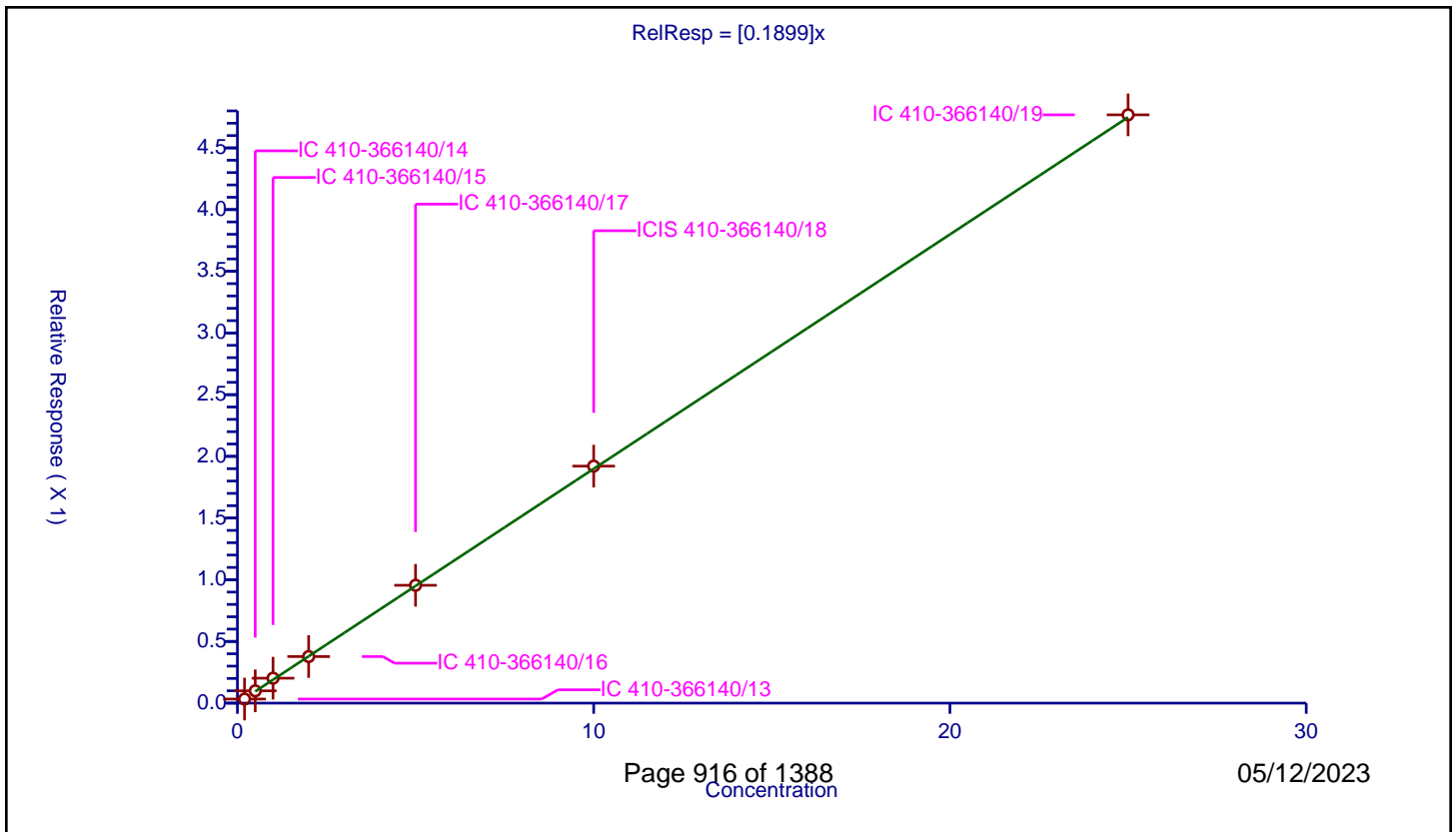
/ Benzyl chloride

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

Curve Coefficients	
Intercept:	0
Slope:	0.1899

Error Coefficients	
Standard Error:	170000
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 410-366140/13	0.2	0.033115	10.0	756163.0	0.165573	Y
2	IC 410-366140/14	0.5	0.099609	10.0	752239.0	0.199219	Y
3	IC 410-366140/15	1.0	0.202238	10.0	762073.0	0.202238	Y
4	IC 410-366140/16	2.0	0.377383	10.0	762594.0	0.188691	Y
5	IC 410-366140/17	5.0	0.95514	10.0	769500.0	0.191028	Y
6	ICIS 410-366140/18	10.0	1.920854	10.0	792309.0	0.192085	Y
7	IC 410-366140/19	25.0	4.768152	10.0	795283.0	0.190726	Y



Calibration

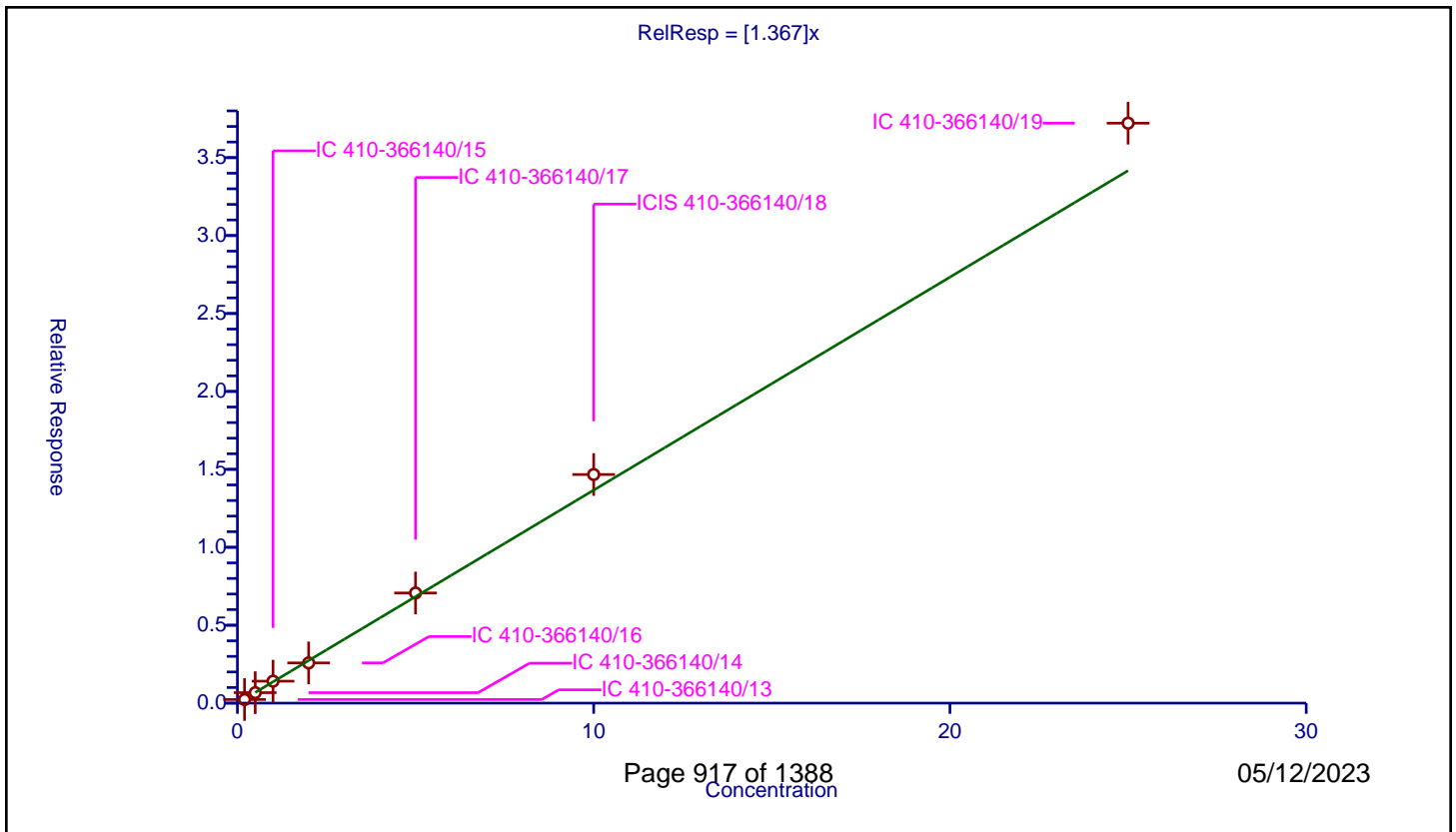
/ n-Butylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.367

Error Coefficients	
Standard Error:	1320000
Relative Standard Error:	8.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	0.2	0.230823	10.0	756163.0	1.154116	Y
2	IC 410-366140/14	0.5	0.672406	10.0	752239.0	1.344812	Y
3	IC 410-366140/15	1.0	1.408172	10.0	762073.0	1.408172	Y
4	IC 410-366140/16	2.0	2.581111	10.0	762594.0	1.290556	Y
5	IC 410-366140/17	5.0	7.067732	10.0	769500.0	1.413546	Y
6	ICIS 410-366140/18	10.0	14.668482	10.0	792309.0	1.466848	Y
7	IC 410-366140/19	25.0	37.210352	10.0	795283.0	1.488414	Y



Calibration

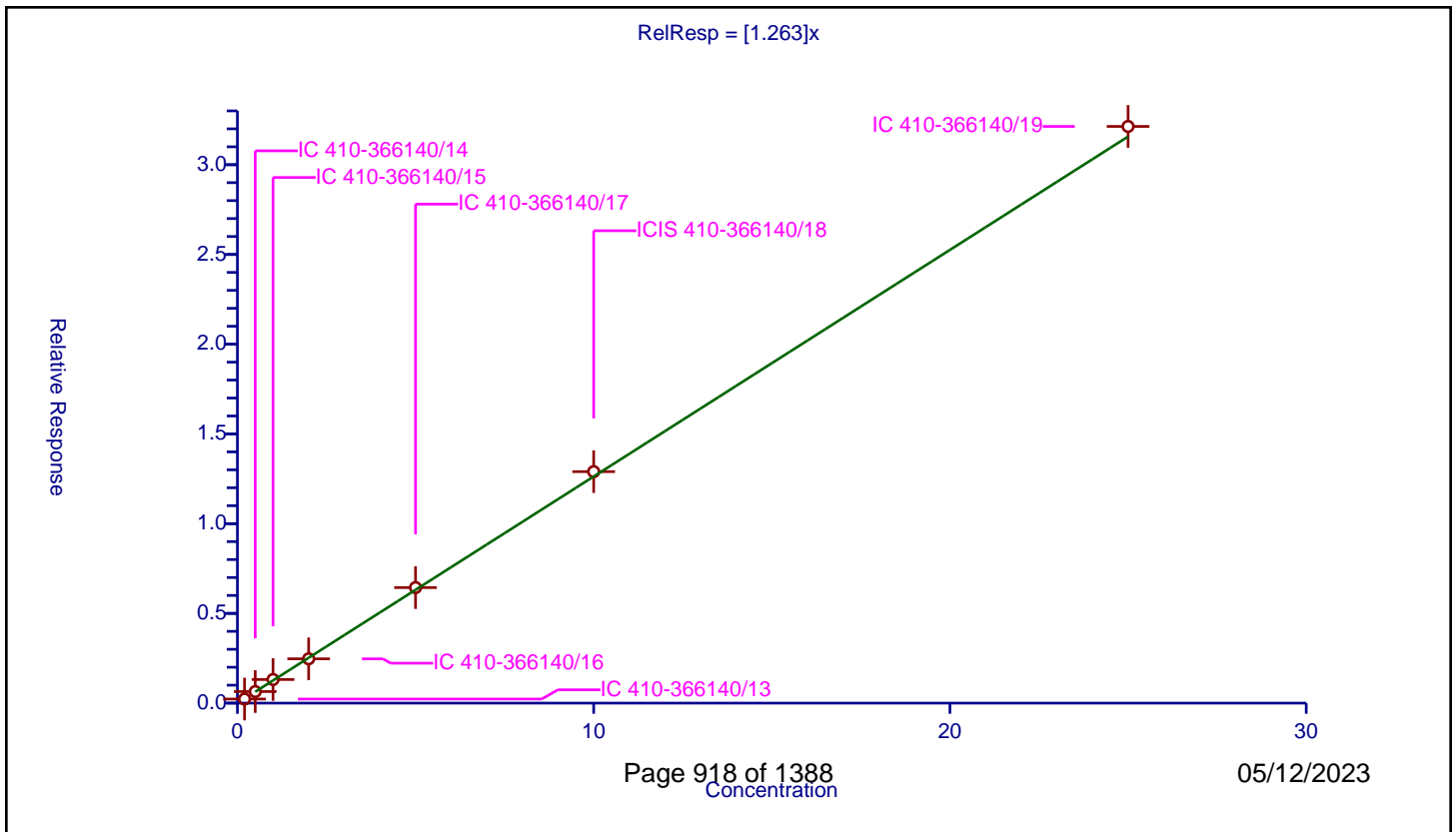
/ 1,2-Dichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.263

Error Coefficients	
Standard Error:	1150000
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 410-366140/13	0.2	0.227147	10.0	756163.0	1.135734	Y
2	IC 410-366140/14	0.5	0.645021	10.0	752239.0	1.290042	Y
3	IC 410-366140/15	1.0	1.315832	10.0	762073.0	1.315832	Y
4	IC 410-366140/16	2.0	2.46906	10.0	762594.0	1.23453	Y
5	IC 410-366140/17	5.0	6.438765	10.0	769500.0	1.287753	Y
6	ICIS 410-366140/18	10.0	12.899147	10.0	792309.0	1.289915	Y
7	IC 410-366140/19	25.0	32.132687	10.0	795283.0	1.285307	Y



Calibration

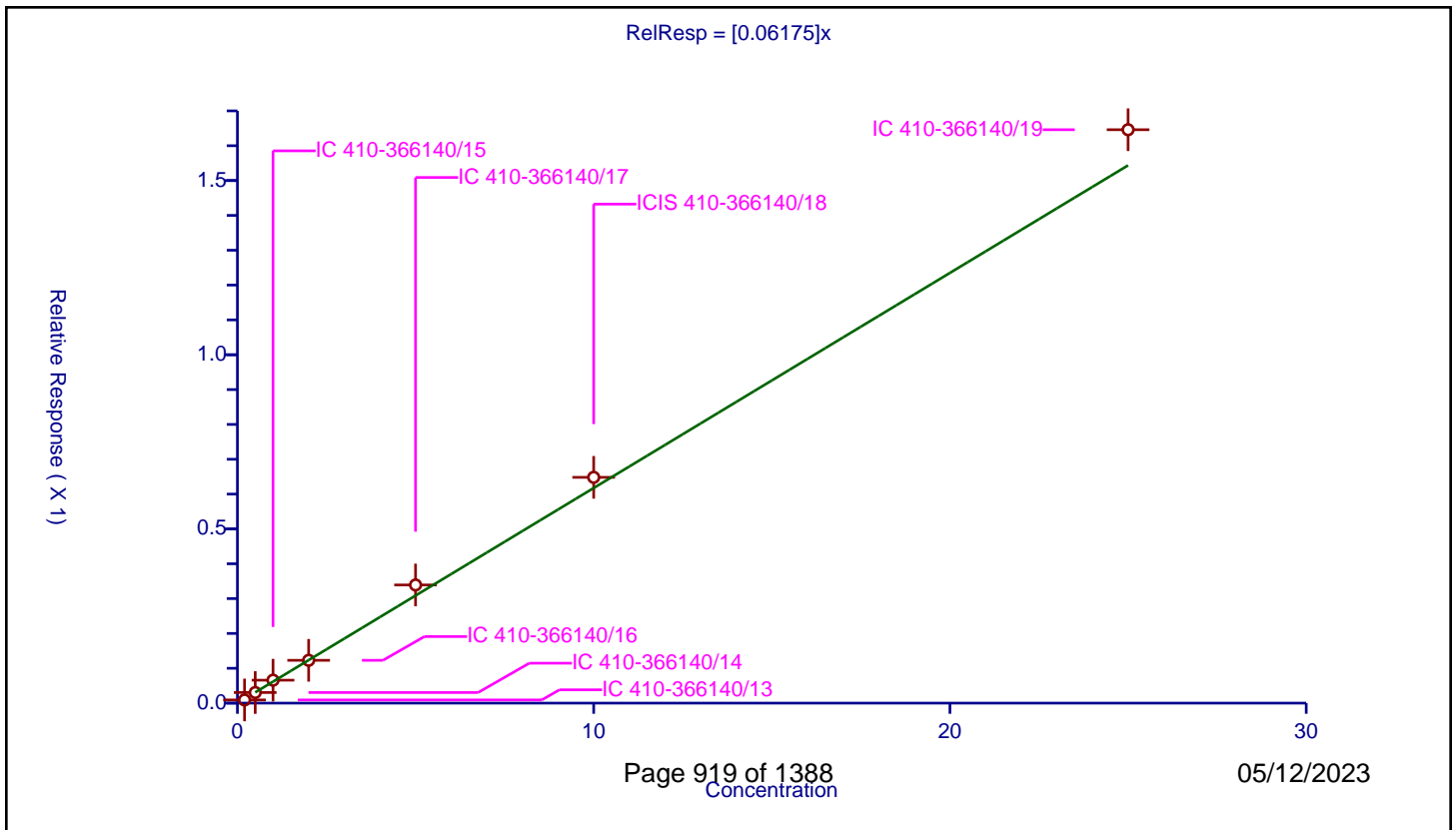
/ 1,2-Dibromo-3-Chloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.06175

Error Coefficients	
Standard Error:	58600
Relative Standard Error:	12.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	0.2	0.009099	10.0	756163.0	0.045493	Y
2	IC 410-366140/14	0.5	0.030482	10.0	752239.0	0.060965	Y
3	IC 410-366140/15	1.0	0.065834	10.0	762073.0	0.065834	Y
4	IC 410-366140/16	2.0	0.122909	10.0	762594.0	0.061455	Y
5	IC 410-366140/17	5.0	0.339142	10.0	769500.0	0.067828	Y
6	ICIS 410-366140/18	10.0	0.648131	10.0	792309.0	0.064813	Y
7	IC 410-366140/19	25.0	1.645917	10.0	795283.0	0.065837	Y



Calibration

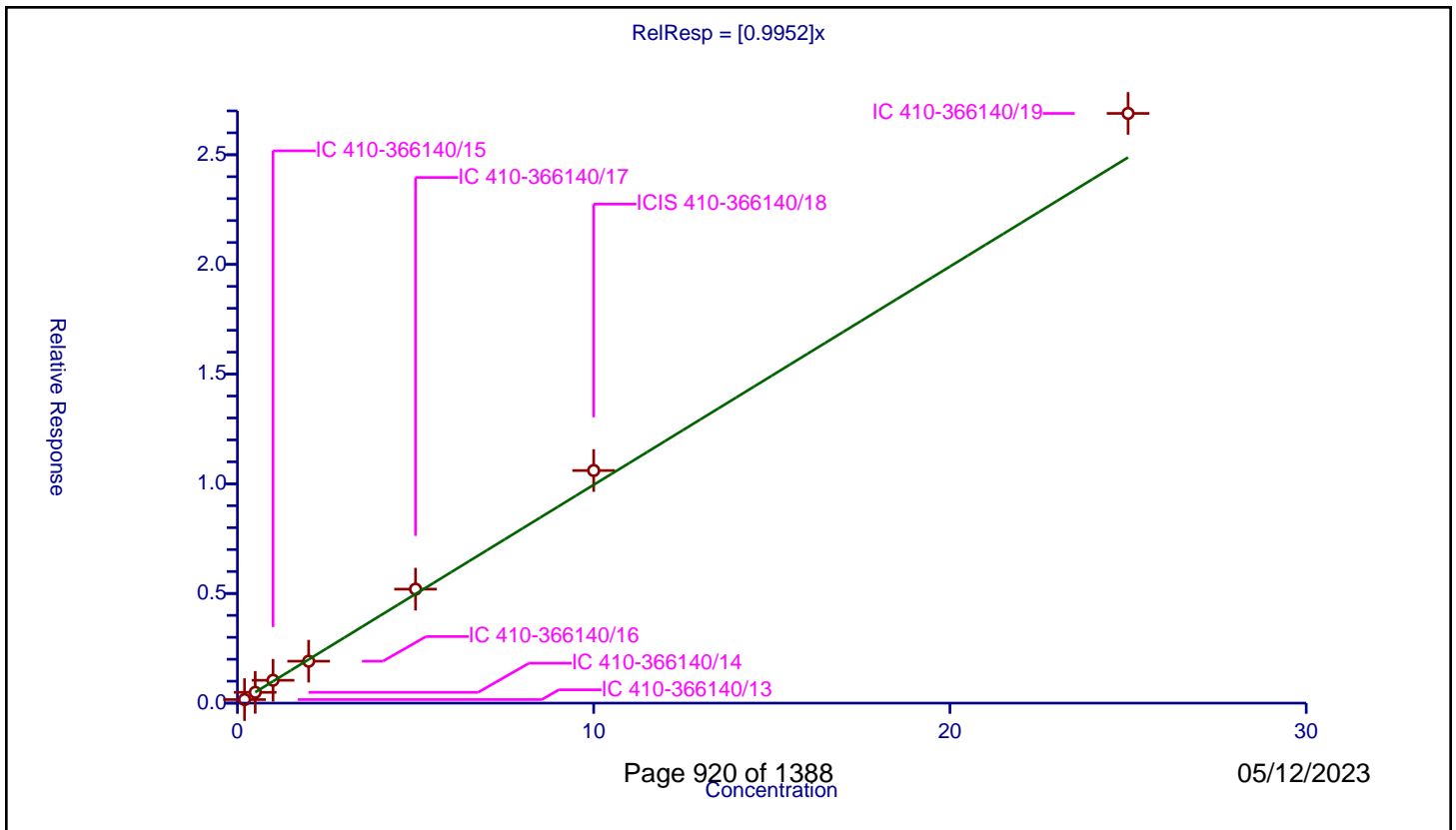
/ 1,3,5-Trichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.9952

Error Coefficients	
Standard Error:	954000
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 410-366140/13	0.2	0.16191	10.0	756163.0	0.809548	Y
2	IC 410-366140/14	0.5	0.492171	10.0	752239.0	0.984341	Y
3	IC 410-366140/15	1.0	1.041882	10.0	762073.0	1.041882	Y
4	IC 410-366140/16	2.0	1.911371	10.0	762594.0	0.955685	Y
5	IC 410-366140/17	5.0	5.195945	10.0	769500.0	1.039189	Y
6	ICIS 410-366140/18	10.0	10.604146	10.0	792309.0	1.060415	Y
7	IC 410-366140/19	25.0	26.884317	10.0	795283.0	1.075373	Y



Calibration

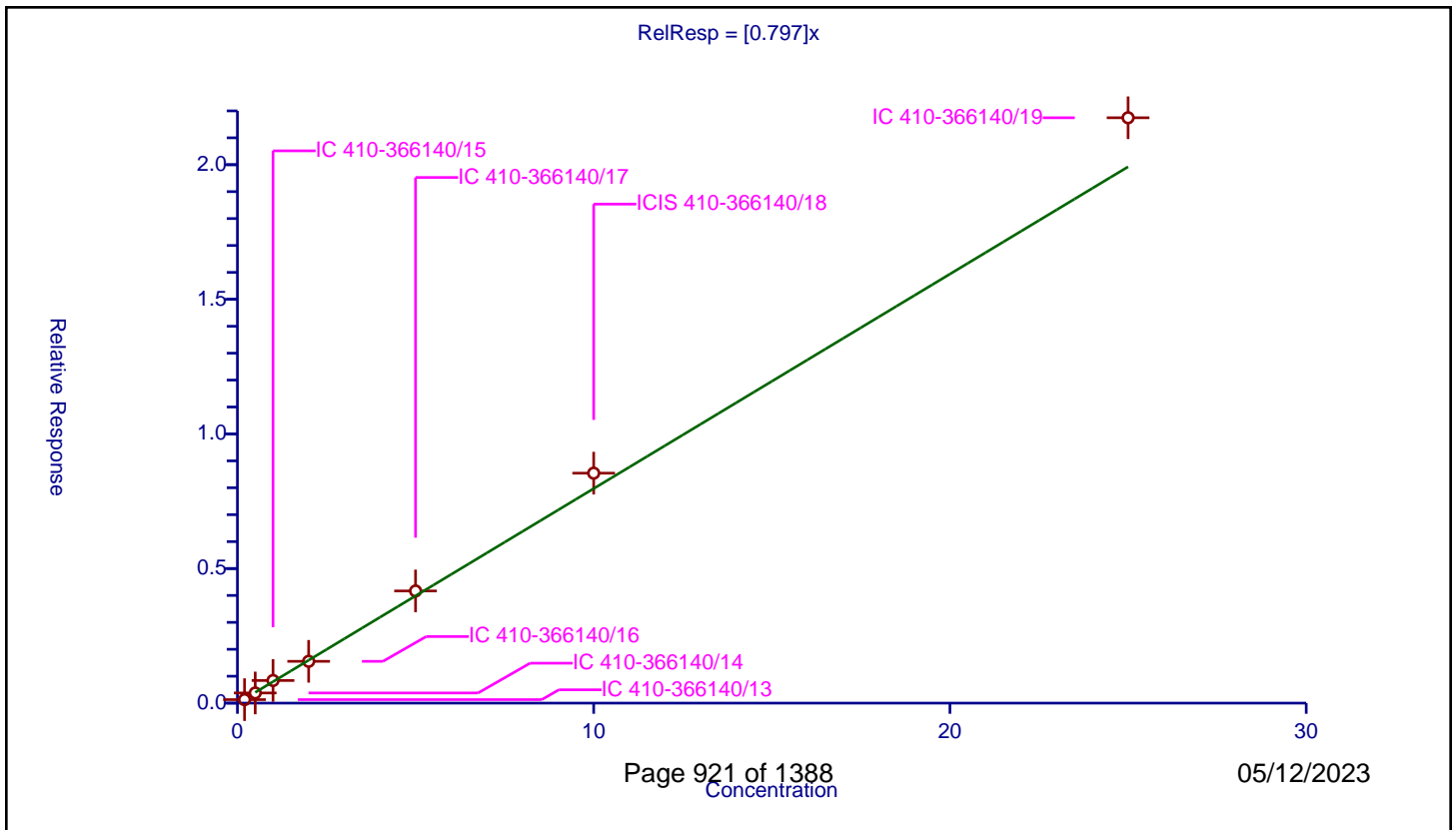
/ 1,2,4-Trichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.797

Error Coefficients	
Standard Error:	771000
Relative Standard Error:	9.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	0.2	0.129853	10.0	756163.0	0.649265	Y
2	IC 410-366140/14	0.5	0.377686	10.0	752239.0	0.755372	Y
3	IC 410-366140/15	1.0	0.840051	10.0	762073.0	0.840051	Y
4	IC 410-366140/16	2.0	1.553251	10.0	762594.0	0.776626	Y
5	IC 410-366140/17	5.0	4.16642	10.0	769500.0	0.833284	Y
6	ICIS 410-366140/18	10.0	8.542614	10.0	792309.0	0.854261	Y
7	IC 410-366140/19	25.0	21.744913	10.0	795283.0	0.869797	Y



Calibration

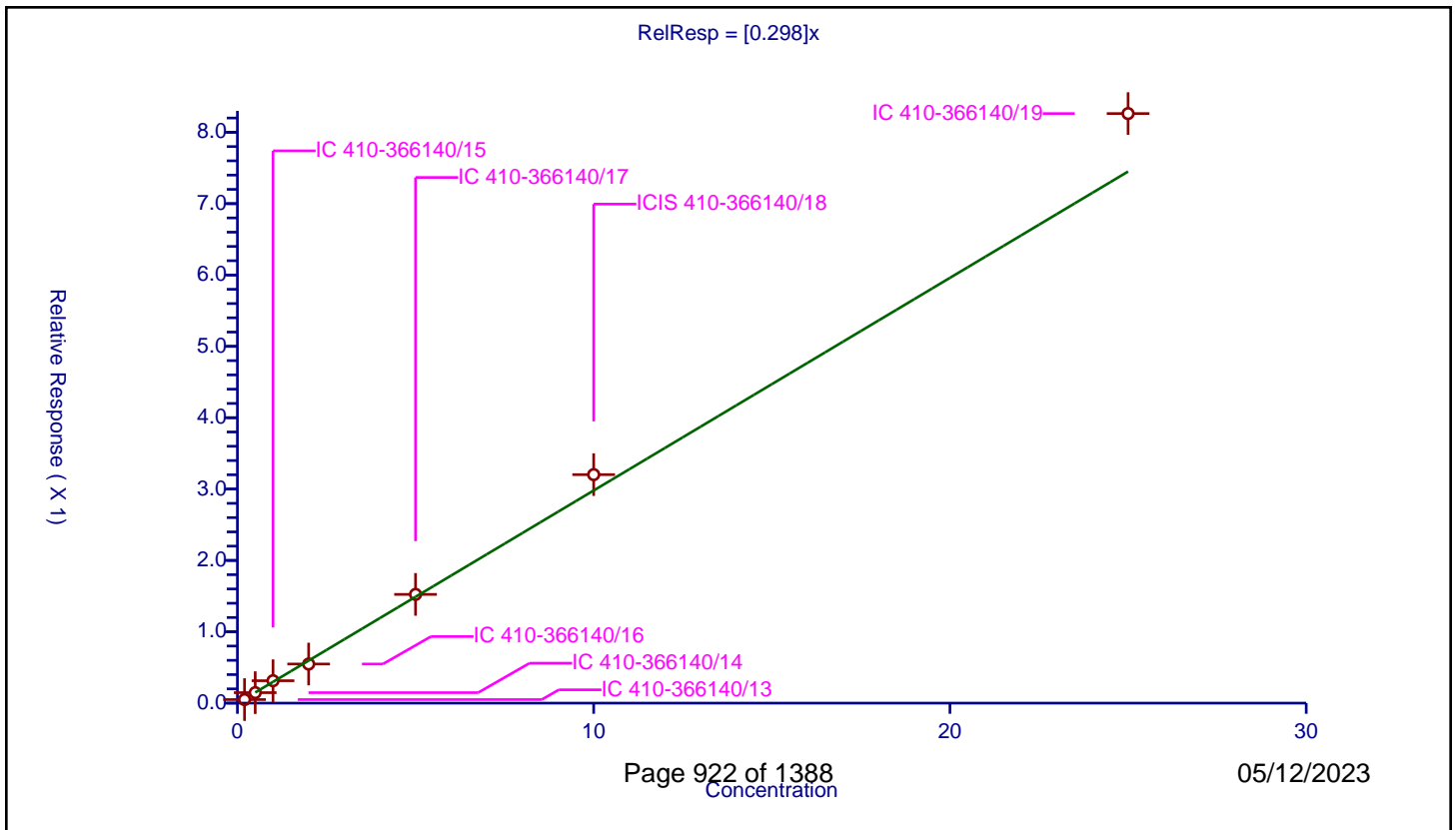
/ Hexachlorobutadiene

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

Curve Coefficients	
Intercept:	0
Slope:	0.298

Error Coefficients	
Standard Error:	292000
Relative Standard Error:	9.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	0.2	0.049659	10.0	756163.0	0.248293	Y
2	IC 410-366140/14	0.5	0.147014	10.0	752239.0	0.294029	Y
3	IC 410-366140/15	1.0	0.314182	10.0	762073.0	0.314182	Y
4	IC 410-366140/16	2.0	0.547985	10.0	762594.0	0.273992	Y
5	IC 410-366140/17	5.0	1.523821	10.0	769500.0	0.304764	Y
6	ICIS 410-366140/18	10.0	3.202235	10.0	792309.0	0.320224	Y
7	IC 410-366140/19	25.0	8.262178	10.0	795283.0	0.330487	Y



Calibration

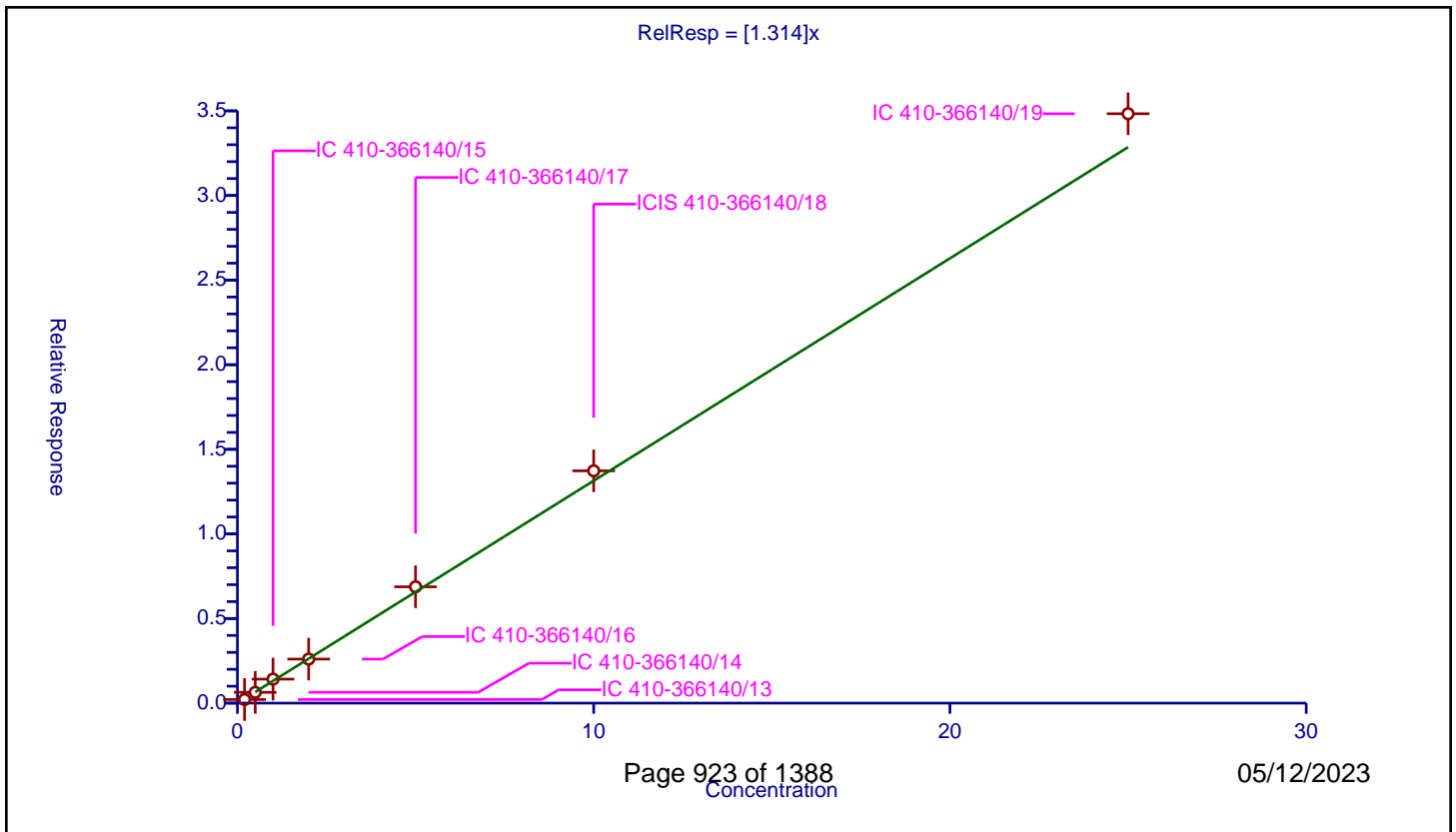
/ Naphthalene

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

Curve Coefficients	
Intercept:	0
Slope:	1.314

Error Coefficients	
Standard Error:	1240000
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 410-366140/13	0.2	0.212494	10.0	756163.0	1.062469	Y
2	IC 410-366140/14	0.5	0.638374	10.0	752239.0	1.276748	Y
3	IC 410-366140/15	1.0	1.418526	10.0	762073.0	1.418526	Y
4	IC 410-366140/16	2.0	2.602105	10.0	762594.0	1.301053	Y
5	IC 410-366140/17	5.0	6.875023	10.0	769500.0	1.375005	Y
6	ICIS 410-366140/18	10.0	13.728735	10.0	792309.0	1.372873	Y
7	IC 410-366140/19	25.0	34.830985	10.0	795283.0	1.393239	Y



Calibration

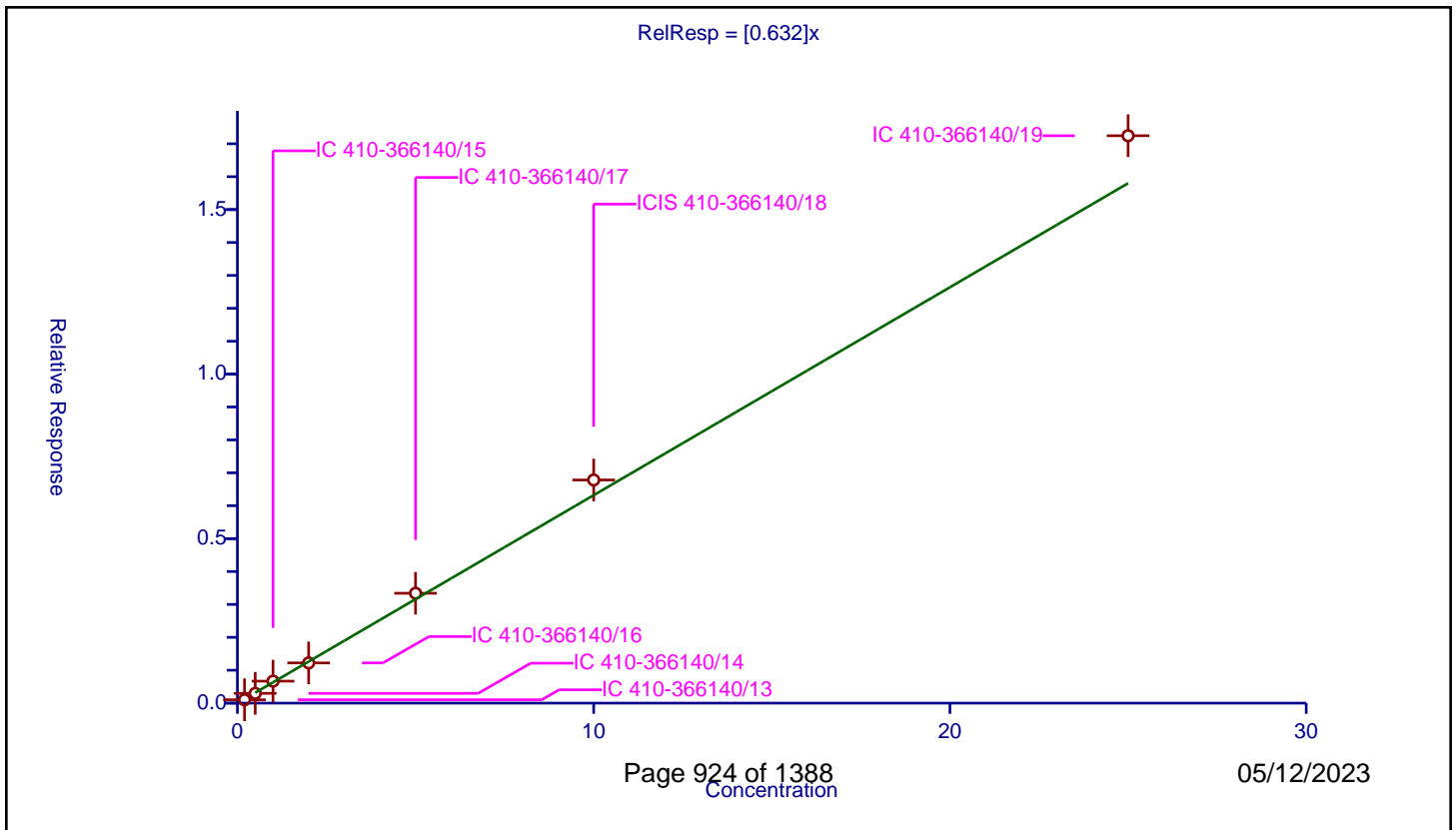
/ 1,2,3-Trichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.632

Error Coefficients	
Standard Error:	612000
Relative Standard Error:	10.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-366140/13	0.2	0.102782	10.0	756163.0	0.51391	Y
2	IC 410-366140/14	0.5	0.297459	10.0	752239.0	0.594917	Y
3	IC 410-366140/15	1.0	0.667968	10.0	762073.0	0.667968	Y
4	IC 410-366140/16	2.0	1.222459	10.0	762594.0	0.61123	Y
5	IC 410-366140/17	5.0	3.339285	10.0	769500.0	0.667857	Y
6	ICIS 410-366140/18	10.0	6.782543	10.0	792309.0	0.678254	Y
7	IC 410-366140/19	25.0	17.245006	10.0	795283.0	0.6898	Y



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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-124489-1 Analy Batch No.: 355532
 Environment Testing, LLC

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 01:00 Calibration End Date: 03/21/2023 03:01 Calibration ID: 48555

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-355532/9	IM21X08.D
Level 2	IC 410-355532/8	IM21X07.D
Level 3	IC 410-355532/7	IM21X06.D
Level 4	IC 410-355532/6	IM21X05.D
Level 5	IC 410-355532/5	IM21X04.D
Level 6	IC 410-355532/4	IM21X03.D
Level 7	IC 410-355532/3	IM21X02.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 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
Chlorodifluoromethane	0.4047 0.3954	0.4122 0.3893	0.4226	0.4099	0.4128	Ave		0.406 7			2.8		20.0				
Methoxymethane	++++ 0.3646	0.4353 0.3990	0.4113	0.3923	0.4004	Ave		0.400 5			5.8		20.0				
Acetonitrile	++++ 0.0132	0.0098 0.0141	0.0143	0.0169	0.0129	Ave		0.013 5			17.0		20.0				
Vinyl acetate	0.5094 0.4062	0.3690 0.4598	0.3650	0.4153	0.4366	Ave		0.423 0			12.1		20.0				
Ethyl acetate	0.2342 0.1685	0.1892 0.1873	0.1601	0.1663	0.1832	Ave		0.184 1			13.5		20.0				
cis-1,4-Dichloro-2-butene	0.0866 0.1258	0.0985 0.1329	0.1051	0.1160	0.1257	Ave		0.112 9			14.9		20.0				
Cyclohexanone	0.5826 0.4074	0.5254 ++++	0.5282	0.6029	0.4939	Ave		0.523 4			13.3		20.0				

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

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

Lab Name: Eurofins Lancaster Laboratories Environ Job No.: 410-124489-1 Analy Batch No.: 355532

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 01:00 Calibration End Date: 03/21/2023 03:01 Calibration ID: 48555

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-355532/9	IM21X08.D
Level 2	IC 410-355532/8	IM21X07.D
Level 3	IC 410-355532/7	IM21X06.D
Level 4	IC 410-355532/6	IM21X05.D
Level 5	IC 410-355532/5	IM21X04.D
Level 6	IC 410-355532/4	IM21X03.D
Level 7	IC 410-355532/3	IM21X02.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7				LVL 6	LVL 7			
Chlorodifluoromethane	FB	Ave	18534 914606	46724 2237937	96074	183543	461267	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methoxymethane	FB	Ave	++++ 843351	49342 2294133	93510	175698	447384	++++ 10.0	0.500 25.0	1.00	2.00	5.00
Acetonitrile	FB	Ave	++++ 152742	5551 403958	16251	37788	72256	++++ 50.0	2.50 125	5.00	10.0	25.0
Vinyl acetate	FB	Ave	23327 939675	41827 2643789	82985	185980	487822	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl acetate	FB	Ave	10727 389753	21446 1076752	36387	74450	204738	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,4-Dichloro-2-butene	CBZd 5	Ave	6202 454039	17462 1224176	37673	82462	219255	0.400 20.0	1.00 50.0	2.00	4.00	10.0
Cyclohexanone	TBAd 10	Ave	11958 487475	27681 ++++	61006	138047	248553	10.00 500	25.0 ++++	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 Environ Job No.: 410-124489-1 Analy Batch No.: 355532

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 01:00 Calibration End Date: 03/21/2023 03:01 Calibration ID: 48555

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-355532/9	IM21X08.D
Level 2	IC 410-355532/8	IM21X07.D
Level 3	IC 410-355532/7	IM21X06.D
Level 4	IC 410-355532/6	IM21X05.D
Level 5	IC 410-355532/5	IM21X04.D
Level 6	IC 410-355532/4	IM21X03.D
Level 7	IC 410-355532/3	IM21X02.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	-0.5 -4.3	1.3	3.9	0.8	1.5	-2.8	50 30	30	30	30	30	30
Methoxymethane	++++ -0.4	8.7	2.7	-2.0	0.0	-9.0	30	50	30	30	30	30
Acetonitrile	++++ 3.9	-27.6	5.7	24.8	-4.4	-2.4	30	50	30	30	30	30
Vinyl acetate	20.4 8.7	-12.8	-13.7	-1.8	3.2	-4.0	50 30	30	30	30	30	30
Ethyl acetate	27.2 1.7	2.8	-13.1	-9.7	-0.5	-8.5	50 30	30	30	30	30	30
cis-1,4-Dichloro-2-butene	-23.3 17.7	-12.8	-6.9	2.7	11.3	11.4	50 30	30	30	30	30	30
Cyclohexanone	11.3 ++++	0.4	0.9	15.2	-5.6	-22.2	50	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X02.D
 Lims ID: IC std7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 21-Mar-2023 01:00:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0079468-003
 Operator ID: mec29284 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub44
 Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 21-Mar-2023 17:37:14 Calib Date: 21-Mar-2023 06:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1651

First Level Reviewer: K4WN

Date: 21-Mar-2023 16:41:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorodifluoromethane	51	1.916	1.910	0.006	97	2237937	25.0	23.9	M
3 Dimethyl ether	45	1.989	1.983	0.006	99	2294133	25.0	24.9	M
21 Acetonitrile	41	3.842	3.910	-0.068	97	403958	125.0	129.9	M
* 26 t-Butyl alcohol-d10 (IS)	65	4.111	4.166	-0.055	79	143275	50.0	50.0	
33 Vinyl acetate	43	5.135	5.141	-0.006	98	2643789	25.0	27.2	
42 Ethyl acetate	43	6.019	6.025	-0.006	99	1076752	25.0	25.4	
59 Isopropyl acetate	43	7.250	7.250	0.000	98	2397587	25.0	25.7	
* 61 Fluorobenzene (IS)	96	7.567	7.567	0.000	99	2299711	10.0	10.0	
70 n-Propyl acetate	43	8.543	8.549	-0.006	99	1764904	25.0	27.1	
73 2-Chloroethyl vinyl ether	63		9.152				ND	ND	U
104 n-Butyl acetate	43	10.475	10.475	0.000	97	2158096	25.0	26.2	
* 107 Chlorobenzene-d5 (IS)	117	11.060	11.061	-0.001	86	1841869	10.0	10.0	
118 cis-1,4-Dichloro-2-butene	88	11.963	11.969	-0.006	30	1224176	50.0	58.8	
119 Cyclohexanone	55	11.999	12.000	-0.001	93	838356	1250.0	559.0	M
* 135 1,4-Dichlorobenzene-d4	152	12.950	12.944	0.006	94	1113334	10.0	10.0	
149 2-Chloro-1,1,1-Trifluoroethane	1		0.000				ND	ND	
162 Chlorotrifluoroethene	1		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

MSV_CCV_V5ACE_00022	Amount Added: 2.50	Units: uL
MSV_DME_00045	Amount Added: 2.50	Units: uL
MSV_CCV_CYC_00005	Amount Added: 20.00	Units: uL
MSV_LLcentISO_00005	Amount Added: 5.00	Units: uL
MSV_V_SMRV4_00054	Amount Added: 12.50	Units: uL

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X02.D

Injection Date: 21-Mar-2023 01:00:30

Instrument ID: 19930

Operator ID: mec29284

Lims ID: IC std7

Worklist Smp#: 3

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

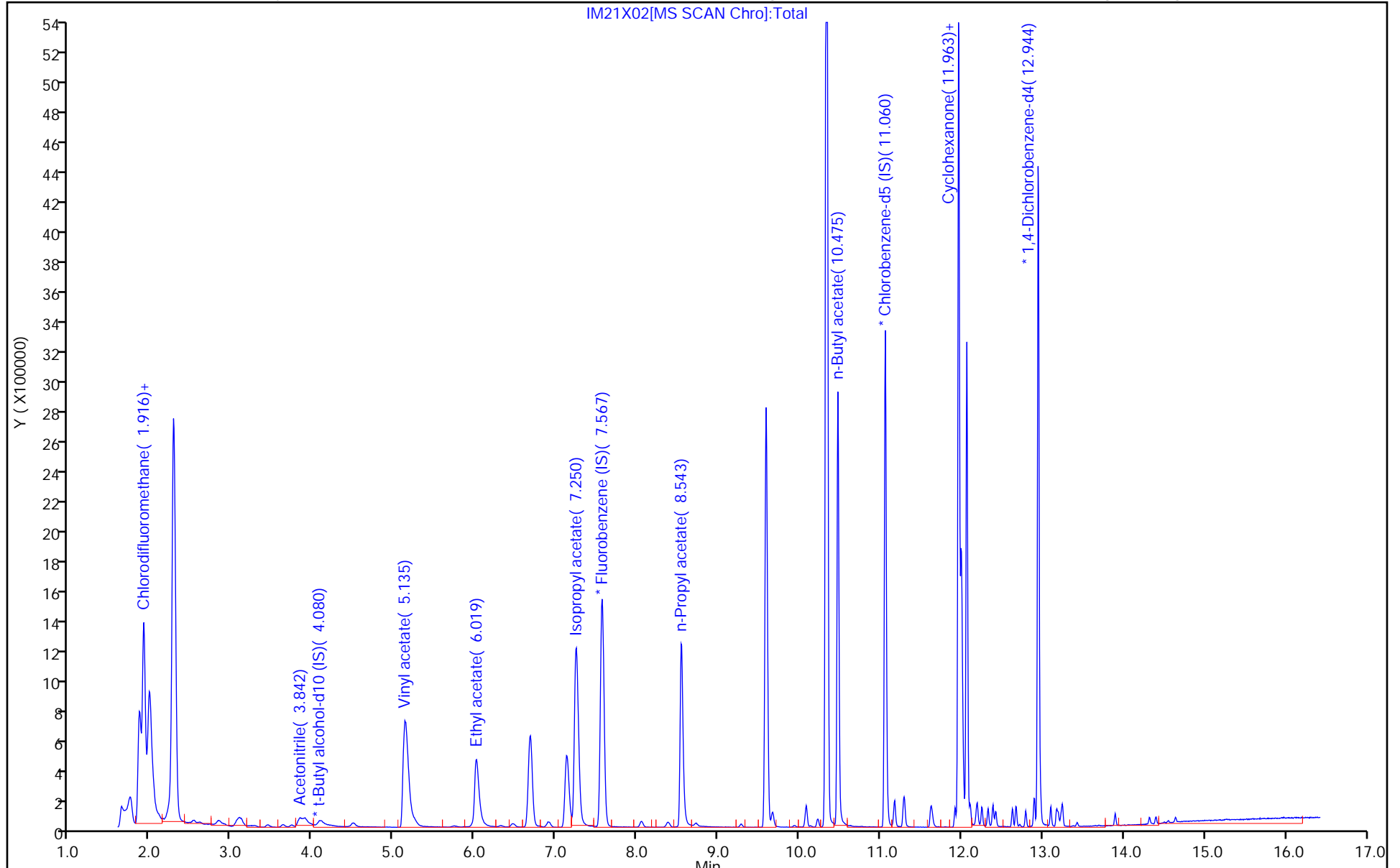
ALS Bottle#: 2

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC

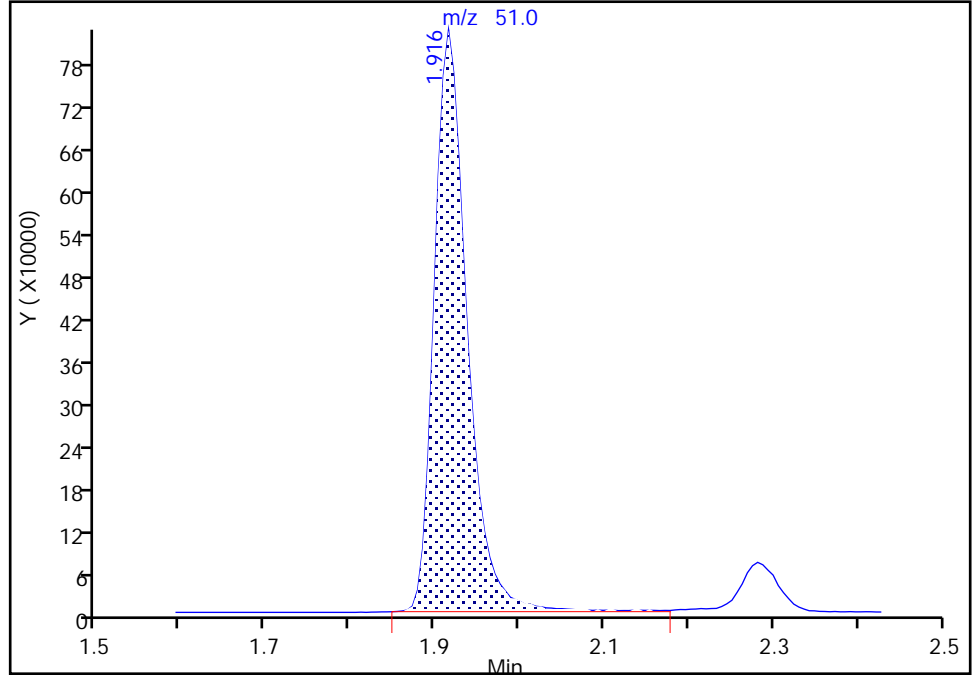
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Injection Date: 21-Mar-2023 01:00:30 Instrument ID: 19930
Lims ID: IC std7
Client ID:
Operator ID: mec29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

2 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

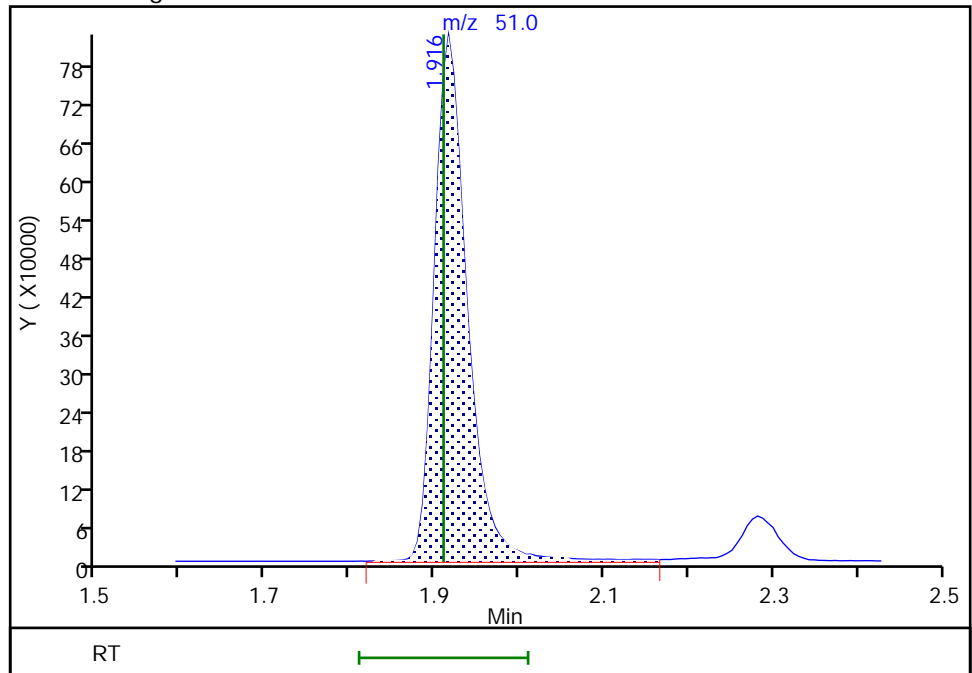
RT: 1.92
Area: 2221334
Amount: 23.846107
Amount Units: ug/l

Processing Integration Results



RT: 1.92
Area: 2237937
Amount: 23.928303
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:39:40
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Euofins Lancaster Laboratories Environment Testing, LLC

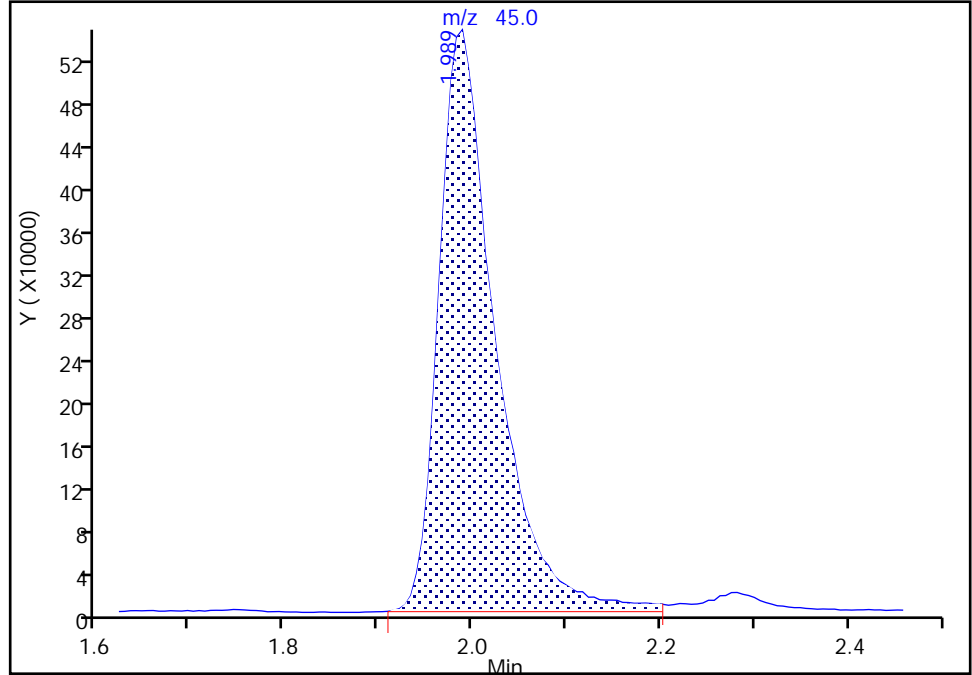
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Injection Date: 21-Mar-2023 01:00:30 Instrument ID: 19930
Lims ID: IC std7
Client ID:
Operator ID: mec29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

3 Dimethyl ether, CAS: 115-10-6

Signal: 1

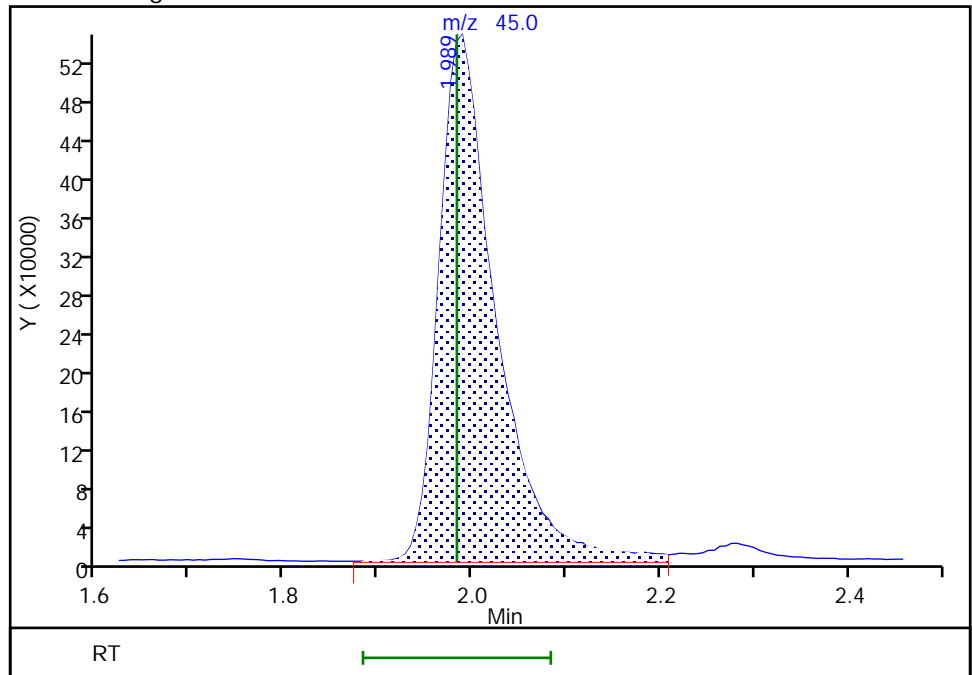
RT: 1.99
Area: 2282933
Amount: 27.132324
Amount Units: ug/l

Processing Integration Results



RT: 1.99
Area: 2294133
Amount: 24.908664
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:39:57
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

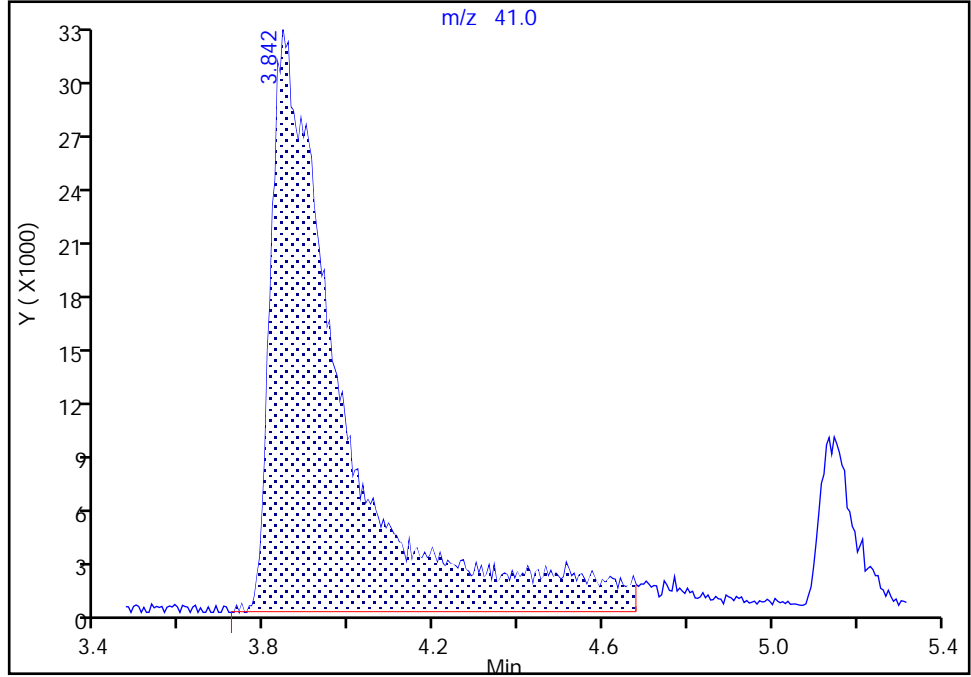
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Injection Date: 21-Mar-2023 01:00:30 Instrument ID: 19930
Lims ID: IC std7
Client ID:
Operator ID: mec29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

21 Acetonitrile, CAS: 75-05-8

Signal: 1

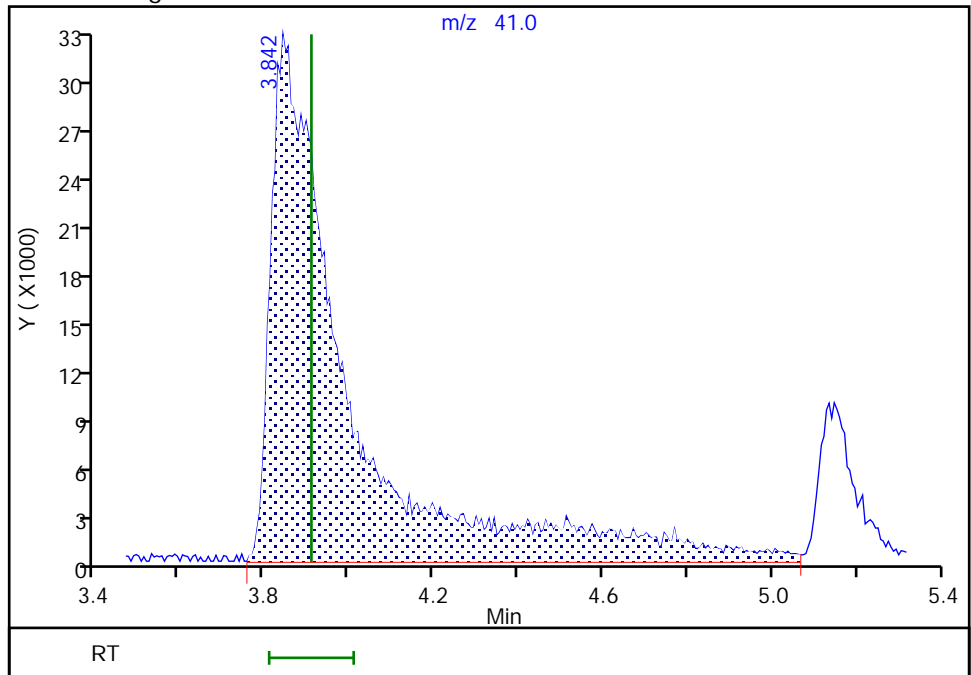
RT: 3.84
Area: 382856
Amount: 130.1549
Amount Units: ug/l

Processing Integration Results



RT: 3.84
Area: 403958
Amount: 129.8598
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:40:20
Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

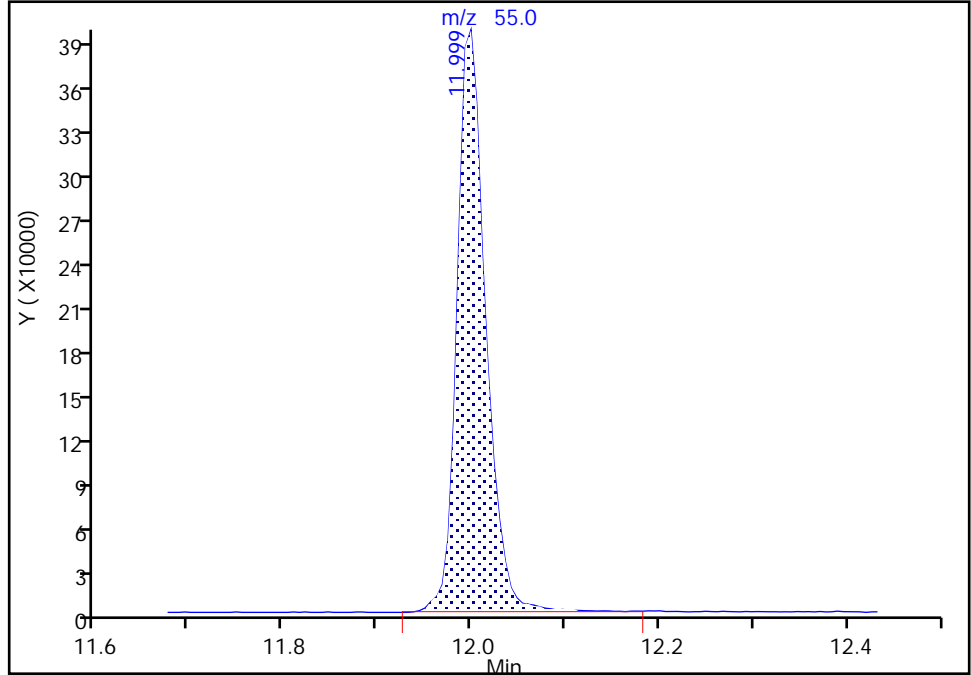
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X02.D
Injection Date: 21-Mar-2023 01:00:30 Instrument ID: 19930
Lims ID: IC std7
Client ID:
Operator ID: mec29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

119 Cyclohexanone, CAS: 108-94-1

Signal: 1

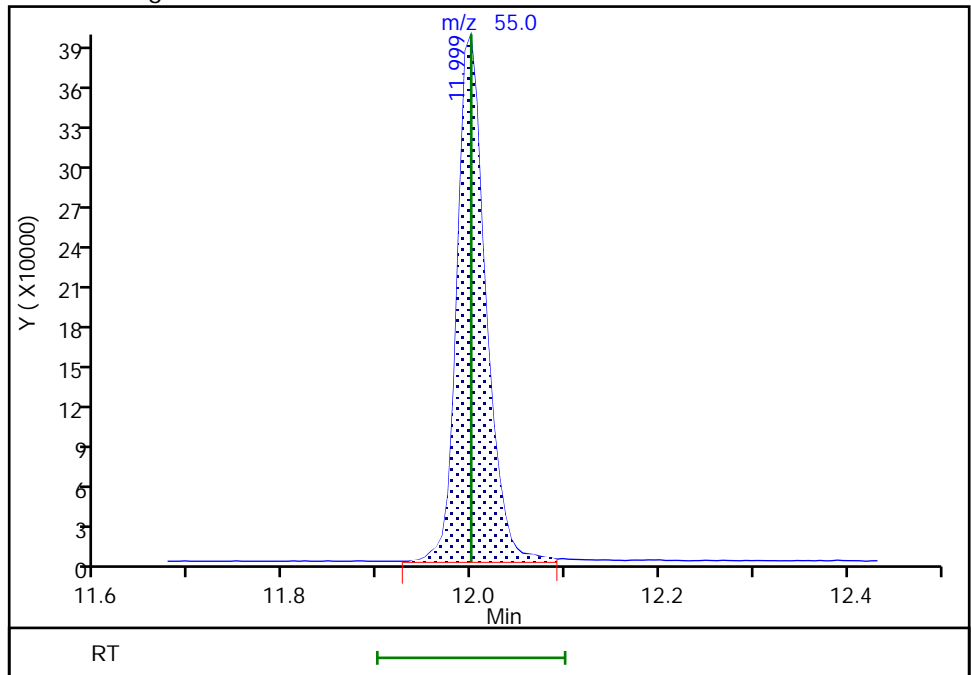
RT: 12.00
Area: 844165
Amount: 998.1027
Amount Units: ug/l

Processing Integration Results



RT: 12.00
Area: 838356
Amount: 558.9877
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:56:08
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\19930\20230321-79468.b\IM21X03.D
 Lims ID: IC std6 SM
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 21-Mar-2023 01:20:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0079468-004
 Operator ID: mec29284 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub44
 Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 21-Mar-2023 17:37:17 Calib Date: 21-Mar-2023 06:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1651

First Level Reviewer: DVW2

Date: 21-Mar-2023 10:24:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorodifluoromethane	51	1.910	1.910	0.000	97	914606	10.0	9.72	
3 Dimethyl ether	45	1.983	1.983	0.000	99	843351	10.0	9.10	M
21 Acetonitrile	41	3.910	3.910	0.000	78	152742	50.0	48.8	M
* 26 t-Butyl alcohol-d10 (IS)	65	4.166	4.166	0.000	44	119667	50.0	50.0	
33 Vinyl acetate	43	5.141	5.141	0.000	98	939675	10.0	9.60	
42 Ethyl acetate	43	6.025	6.025	0.000	100	389753	10.0	9.15	
59 Isopropyl acetate	43	7.250	7.250	0.000	98	861596	10.0	9.16	
* 61 Fluorobenzene (IS)	96	7.567	7.567	0.000	99	2313272	10.0	10.0	
70 n-Propyl acetate	43	8.549	8.549	0.000	99	633121	10.0	9.65	
73 2-Chloroethyl vinyl ether	63		9.152				ND	ND	
104 n-Butyl acetate	43	10.475	10.475	0.000	97	779010	10.0	9.65	
* 107 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	86	1804556	10.0	10.0	
118 cis-1,4-Dichloro-2-butene	88	11.969	11.969	0.000	30	454039	20.0	22.3	a
119 Cyclohexanone	55	12.000	12.000	0.000	93	487475	500.0	389.2	M
* 135 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	1107165	10.0	10.0	
149 2-Chloro-1,1,1-Trifluoroethane	1		0.000				ND	ND	
162 Chlorotrifluoroethene	1		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_CCV_V5ACE_00022	Amount Added: 1.00	Units: uL
MSV_DME_00045	Amount Added: 1.00	Units: uL
MSV_CCV_CYC_00005	Amount Added: 8.00	Units: uL
MSV_LLcentISO_00005	Amount Added: 5.00	Units: uL
MSV_V_SMRV4_00054	Amount Added: 5.00	Units: uL

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X03.D

Injection Date: 21-Mar-2023 01:20:30

Instrument ID: 19930

Operator ID: mec29284

Lims ID: IC std6 SM

Worklist Smp#: 4

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

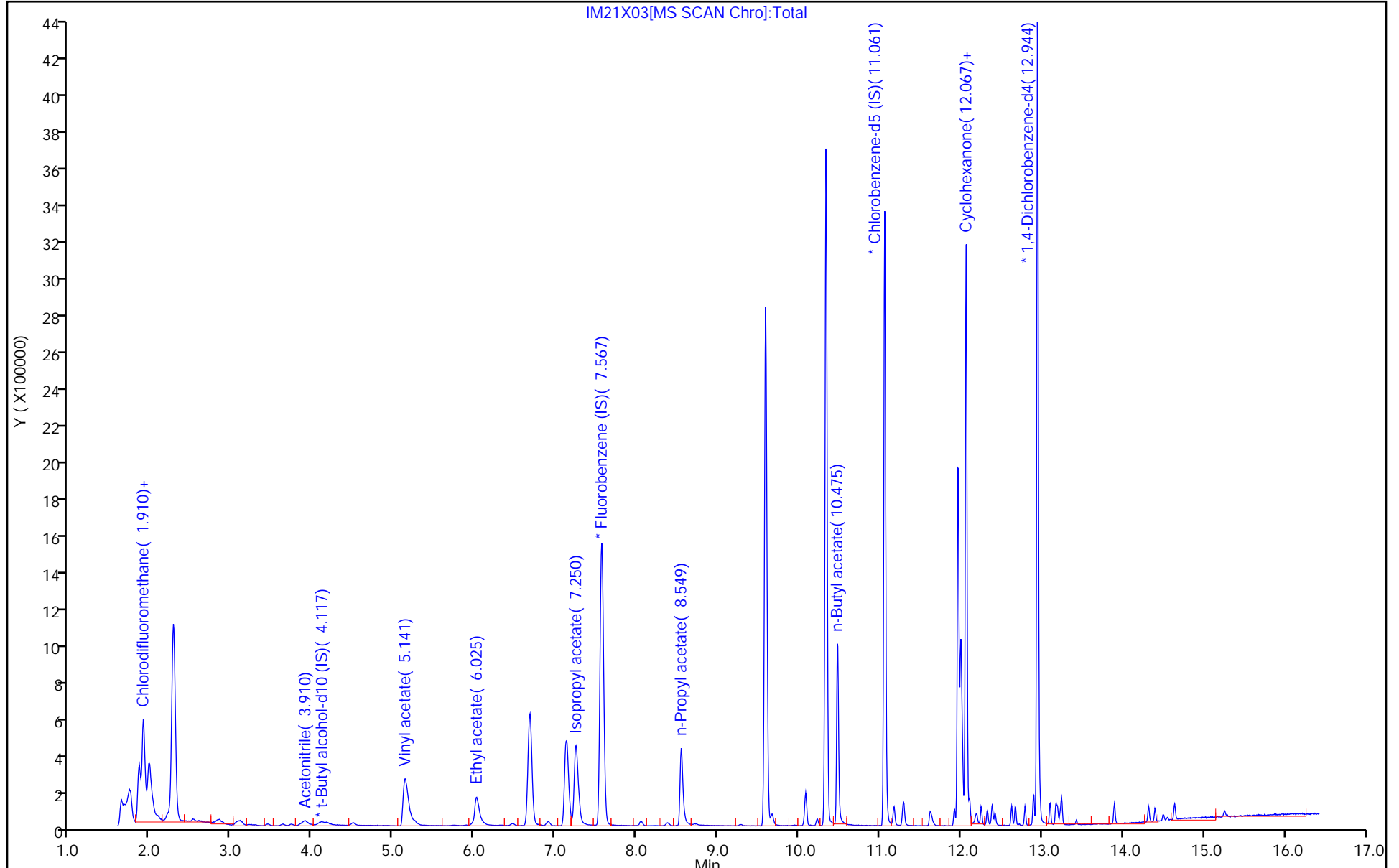
ALS Bottle#: 3

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC

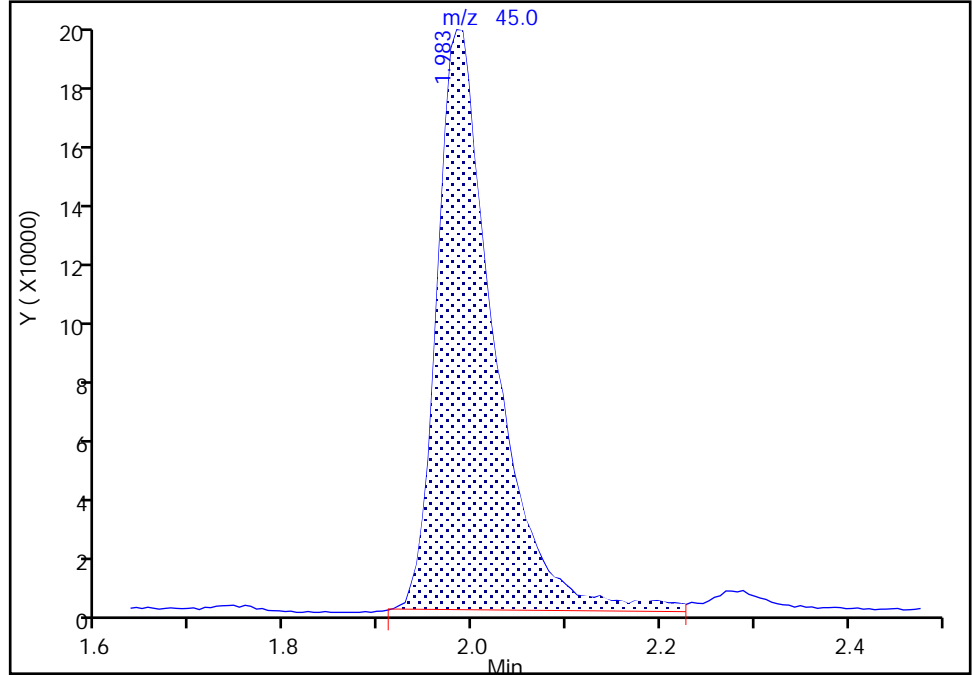
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Injection Date: 21-Mar-2023 01:20:30 Instrument ID: 19930
Lims ID: IC std6 SM
Client ID:
Operator ID: mec29284 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

3 Dimethyl ether, CAS: 115-10-6

Signal: 1

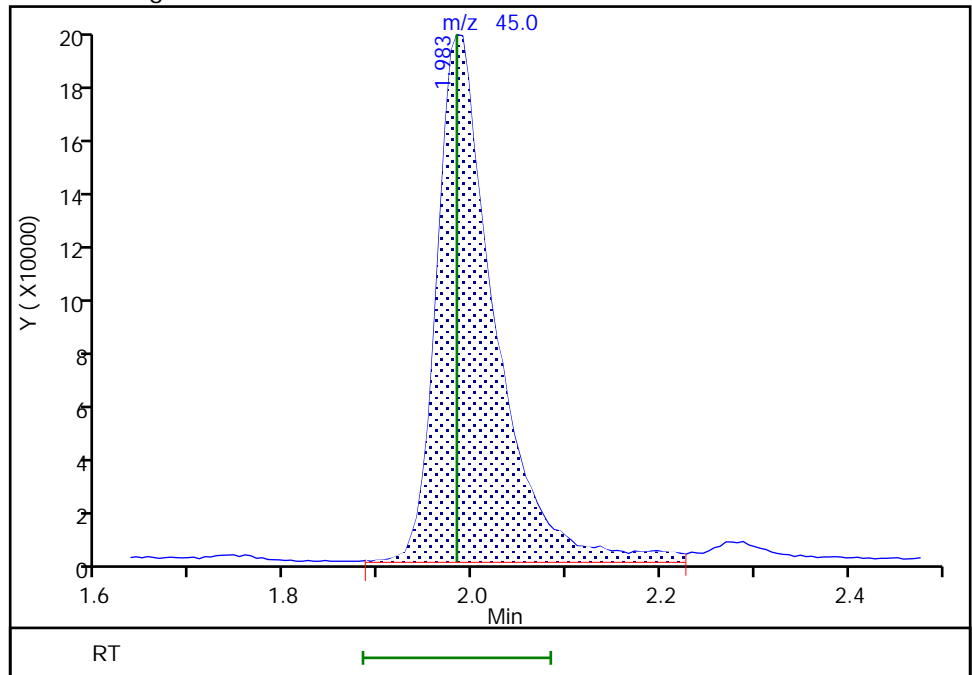
RT: 1.98
Area: 835703
Amount: 9.768190
Amount Units: ug/l

Processing Integration Results



RT: 1.98
Area: 843351
Amount: 9.103047
Amount Units: ug/l

Manual Integration Results



Euofins Lancaster Laboratories Environment Testing, LLC

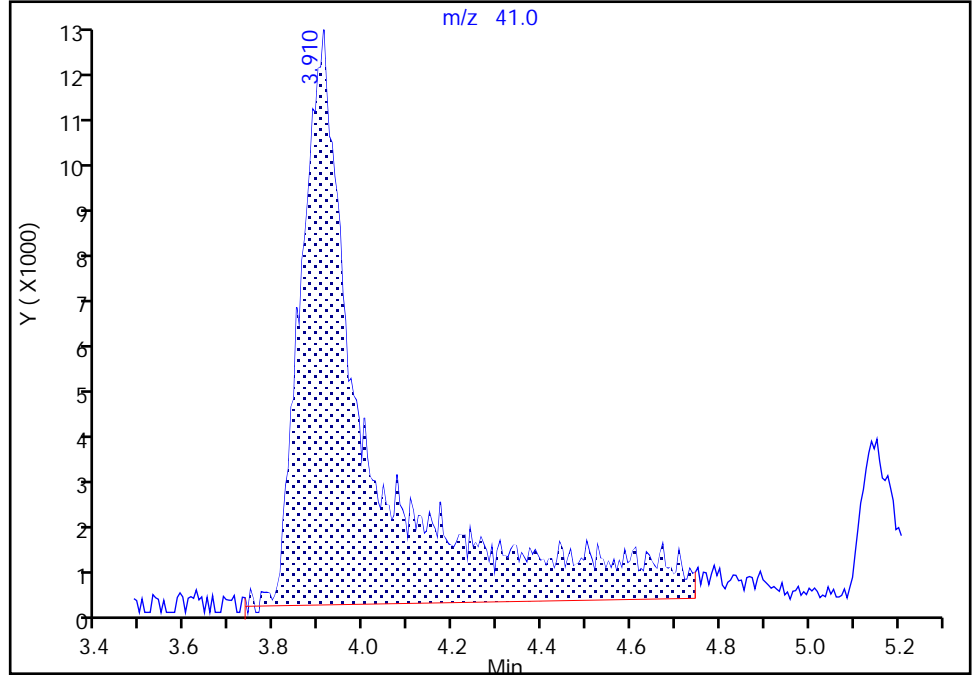
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X03.D
Injection Date: 21-Mar-2023 01:20:30 Instrument ID: 19930
Lims ID: IC std6 SM
Client ID:
Operator ID: mec29284 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

21 Acetonitrile, CAS: 75-05-8

Signal: 1

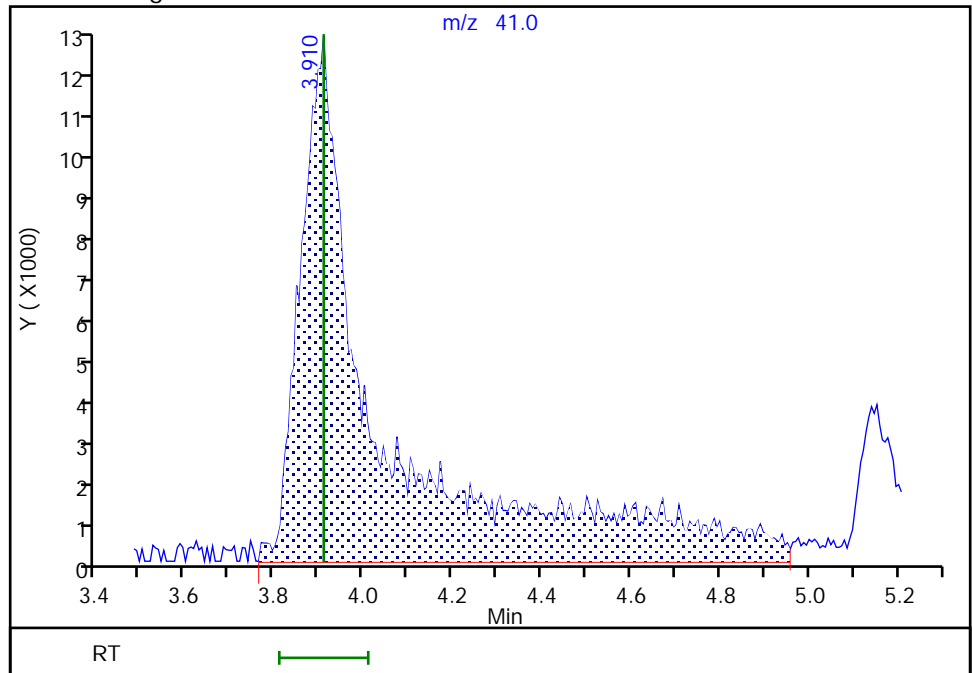
RT: 3.91
Area: 131939
Amount: 44.228141
Amount Units: ug/l

Processing Integration Results



RT: 3.91
Area: 152742
Amount: 48.813902
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:42:42
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

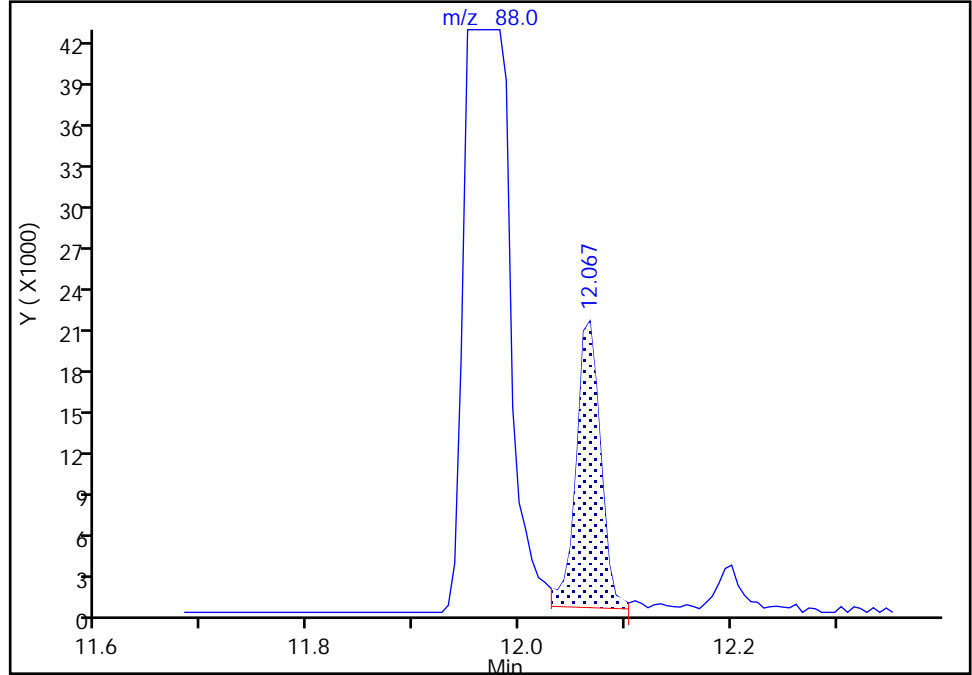
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X03.D
Injection Date: 21-Mar-2023 01:20:30 Instrument ID: 19930
Lims ID: IC std6 SM
Client ID:
Operator ID: mec29284 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

118 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

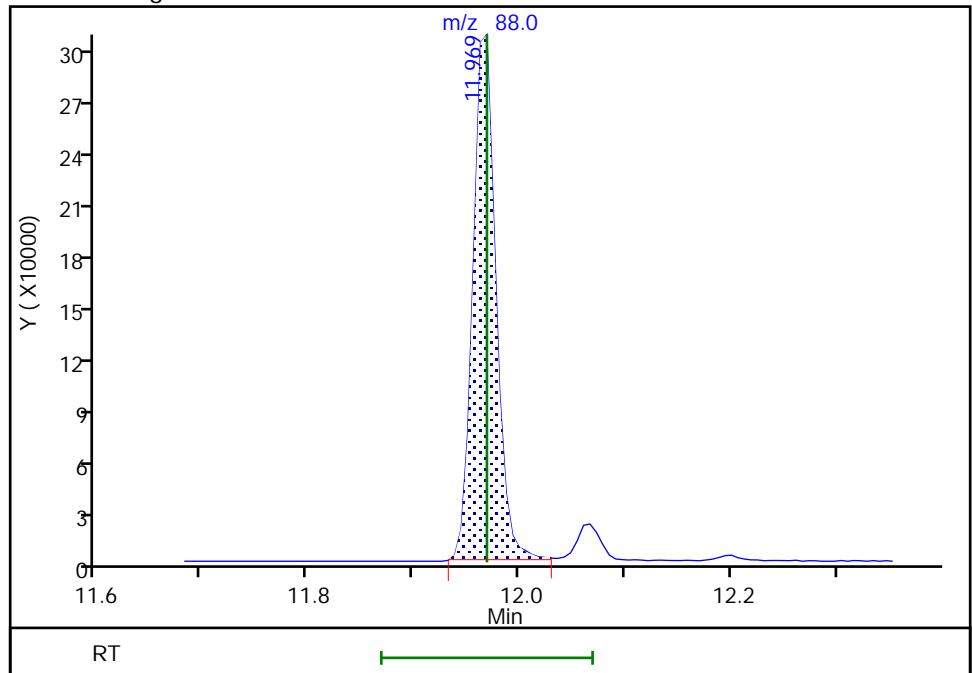
RT: 12.07
Area: 33596
Amount: 1.643327
Amount Units: ug/l

Processing Integration Results



RT: 11.97
Area: 454039
Amount: 22.277303
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Mar-2023 10:23:55
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

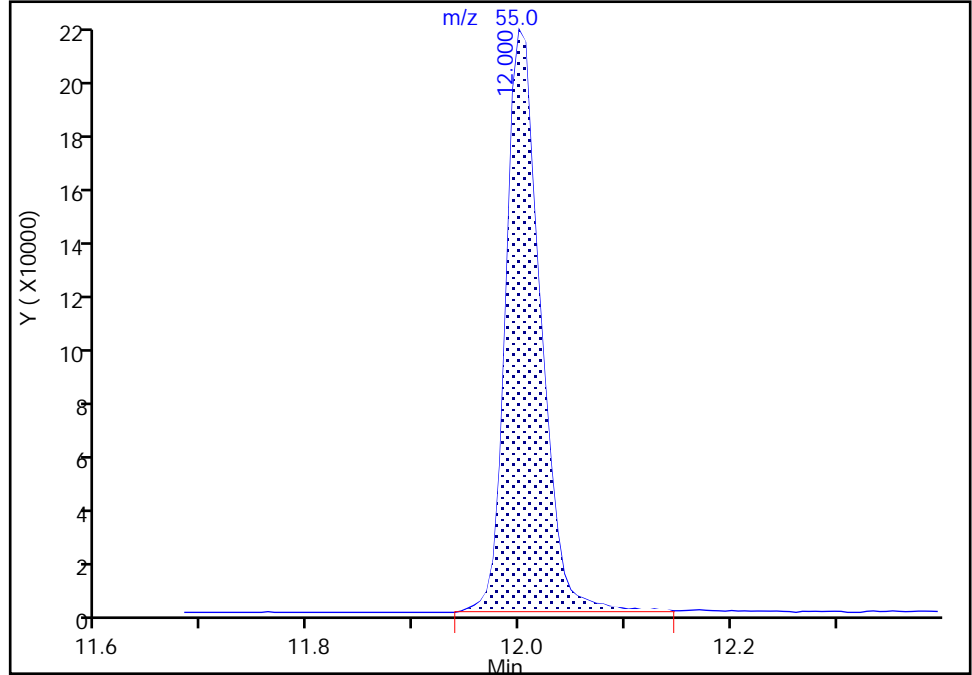
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X03.D
Injection Date: 21-Mar-2023 01:20:30 Instrument ID: 19930
Lims ID: IC std6 SM
Client ID:
Operator ID: mec29284 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

119 Cyclohexanone, CAS: 108-94-1

Signal: 1

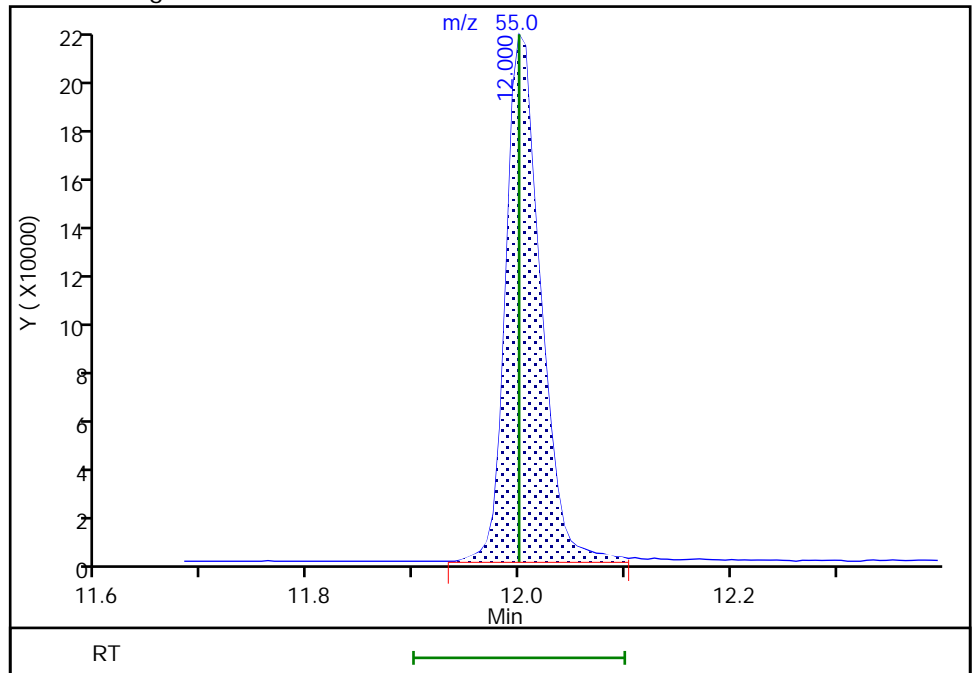
RT: 12.00
Area: 489973
Amount: 397.3091
Amount Units: ug/l

Processing Integration Results



RT: 12.00
Area: 487475
Amount: 389.1546
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:55:54
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\19930\20230321-79468.b\IM21X04.D
 Lims ID: IC std5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 21-Mar-2023 01:40:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0079468-005
 Operator ID: mec29284 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub44
 Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 21-Mar-2023 17:37:19 Calib Date: 21-Mar-2023 06:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1651

First Level Reviewer: K4WN Date: 21-Mar-2023 16:44:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorodifluoromethane	51	1.904	1.910	-0.006	97	461267	5.00	5.08	
3 Dimethyl ether	45	1.983	1.983	0.000	99	447384	5.00	5.00	
21 Acetonitrile	41	3.904	3.910	-0.006	18	72256	25.0	23.9	M
* 26 t-Butyl alcohol-d10 (IS)	65	4.129	4.166	-0.037	22	100647	50.0	50.0	
33 Vinyl acetate	43	5.141	5.141	0.000	98	487822	5.00	5.16	M
42 Ethyl acetate	43	6.025	6.025	0.000	100	204738	5.00	4.98	
59 Isopropyl acetate	43	7.250	7.250	0.000	98	456393	5.00	5.03	
* 61 Fluorobenzene (IS)	96	7.561	7.567	-0.006	99	2234583	10.0	10.0	
70 n-Propyl acetate	43	8.549	8.549	0.000	99	325156	5.00	5.13	
73 2-Chloroethyl vinyl ether	63		9.152				ND	ND	
104 n-Butyl acetate	43	10.482	10.475	0.007	97	410511	5.00	5.26	
* 107 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	86	1744532	10.0	10.0	
118 cis-1,4-Dichloro-2-butene	88	11.969	11.969	0.000	30	219255	10.0	11.1	
119 Cyclohexanone	55	12.000	12.000	0.000	94	248553	250.0	235.9	M
* 135 1,4-Dichlorobenzene-d4	152	12.951	12.944	0.007	94	1075151	10.0	10.0	
149 2-Chloro-1,1,1-Trifluoroethane	1		0.000				ND	ND	
162 Chlorotrifluoroethene	1		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00022	Amount Added: 1.00	Units: uL
MSV_DME_00045	Amount Added: 1.00	Units: uL
MSV_CCV_CYC_00005	Amount Added: 8.00	Units: uL
MSV_LLcentISO_00005	Amount Added: 5.00	Units: uL
MSV_V_SMRV4_00054	Amount Added: 5.00	Units: uL

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X04.D

Injection Date: 21-Mar-2023 01:40:30

Instrument ID: 19930

Operator ID: mec29284

Lims ID: IC std5

Worklist Smp#: 5

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

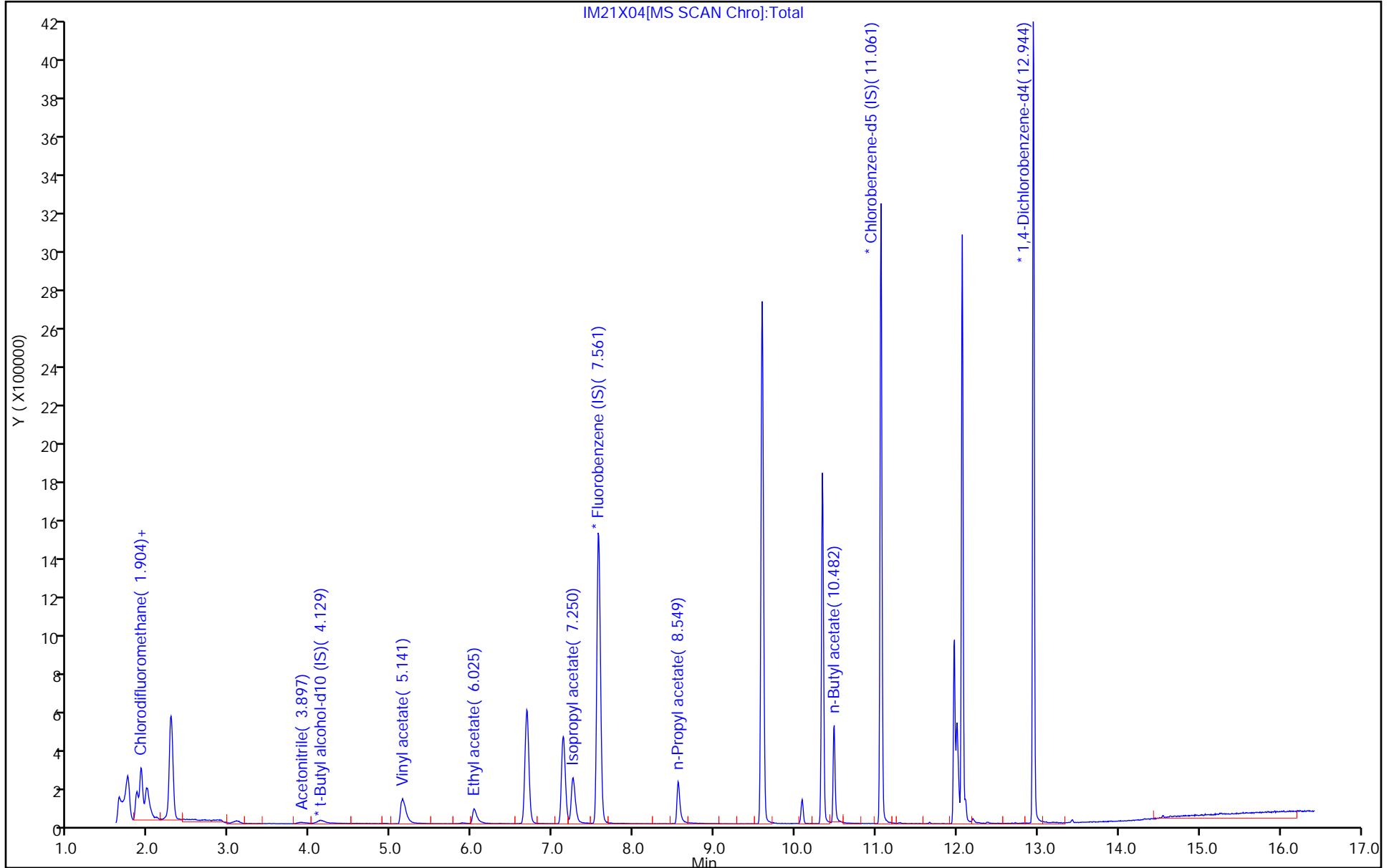
ALS Bottle#: 4

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC

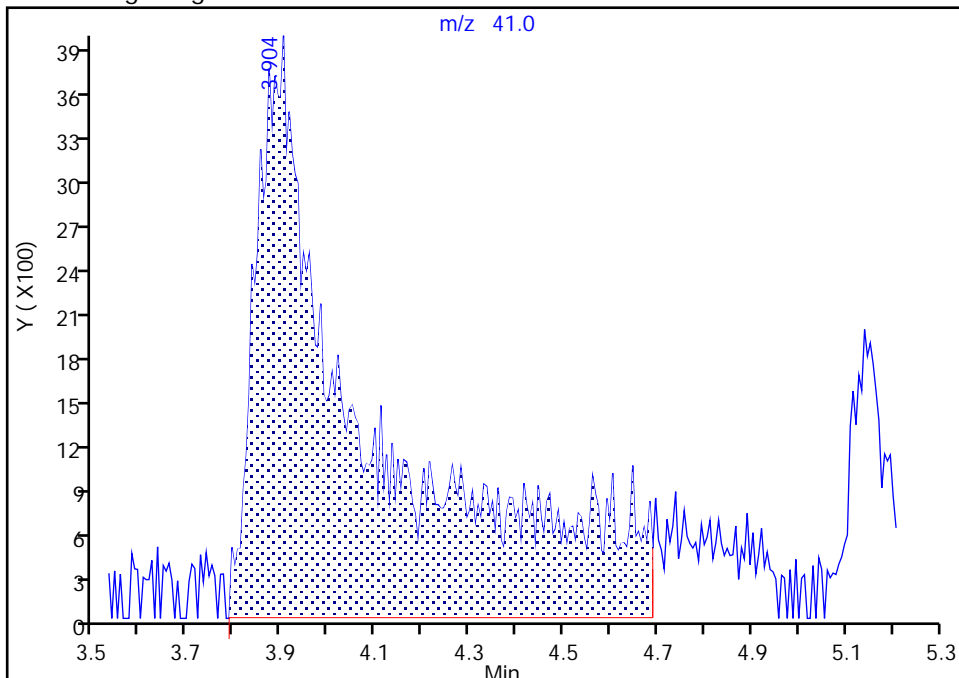
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X04.D
Injection Date: 21-Mar-2023 01:40:30 Instrument ID: 19930
Lims ID: IC std5
Client ID:
Operator ID: mec29284 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

21 Acetonitrile, CAS: 75-05-8

Signal: 1

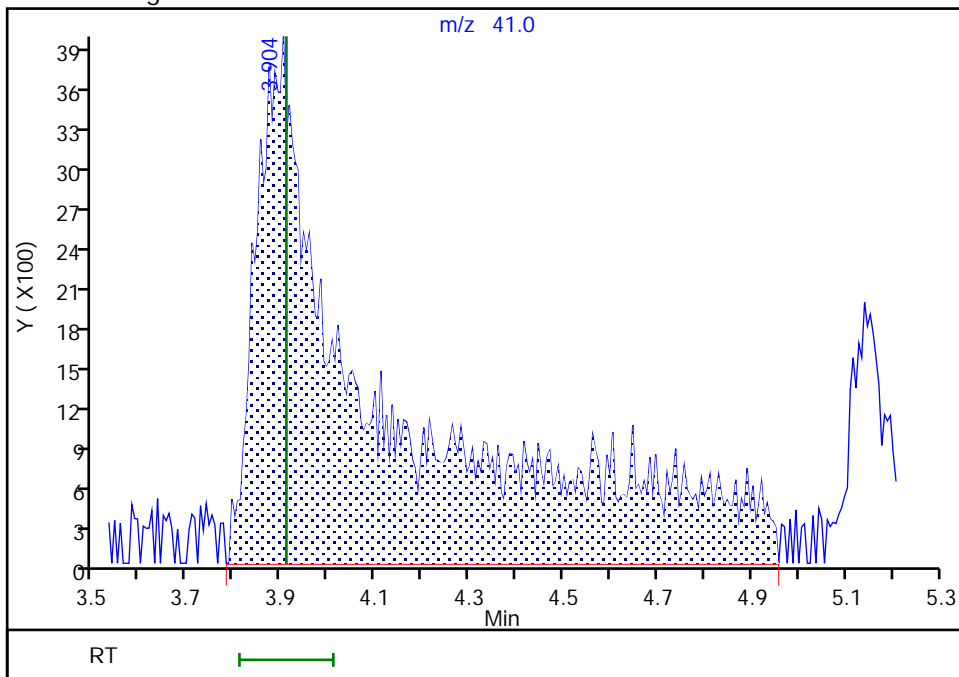
RT: 3.90
Area: 64253
Amount: 21.861561
Amount Units: ug/l

Processing Integration Results



RT: 3.90
Area: 72256
Amount: 23.905024
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:43:44
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

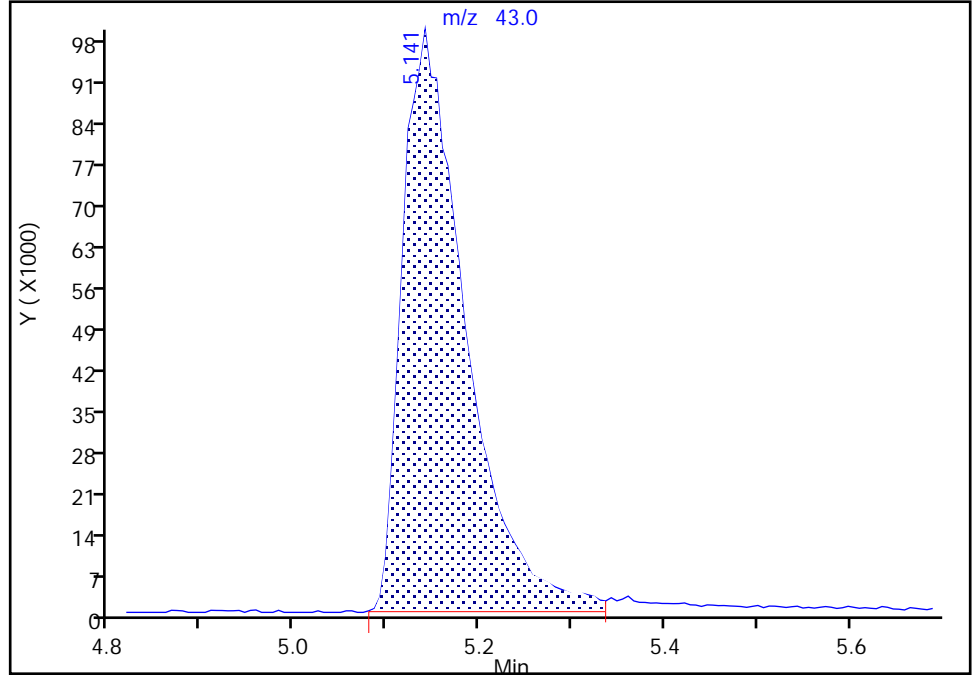
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X04.D
Injection Date: 21-Mar-2023 01:40:30 Instrument ID: 19930
Lims ID: IC std5
Client ID:
Operator ID: mec29284 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

33 Vinyl acetate, CAS: 108-05-4

Signal: 1

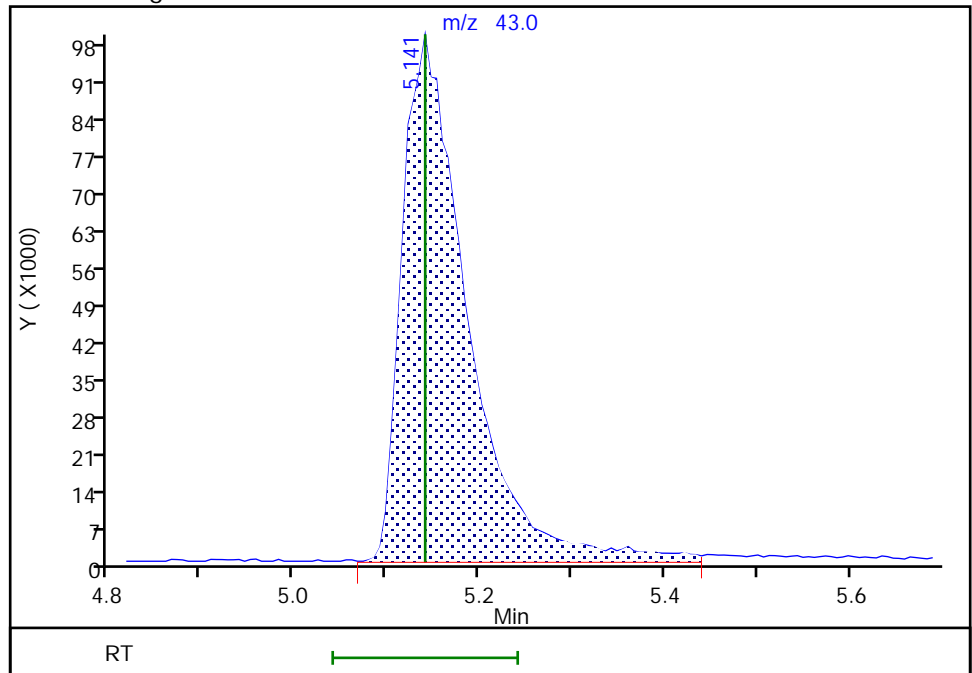
RT: 5.14
Area: 473101
Amount: 5.227182
Amount Units: ug/l

Processing Integration Results



RT: 5.14
Area: 487822
Amount: 5.160281
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:44:02
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

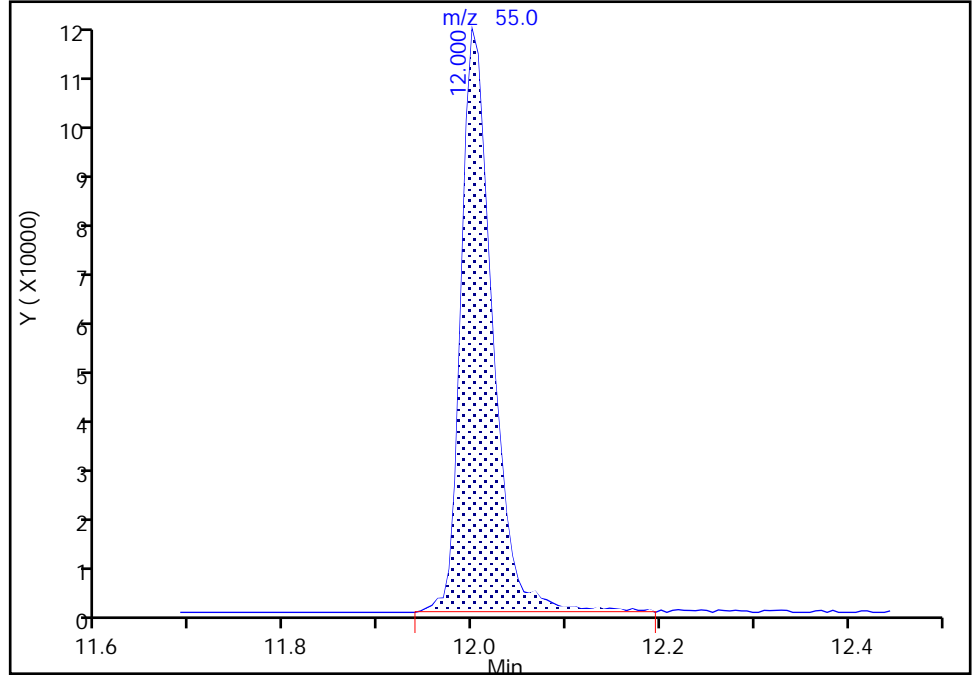
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X04.D
Injection Date: 21-Mar-2023 01:40:30 Instrument ID: 19930
Lims ID: IC std5
Client ID:
Operator ID: mec29284 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

119 Cyclohexanone, CAS: 108-94-1

Signal: 1

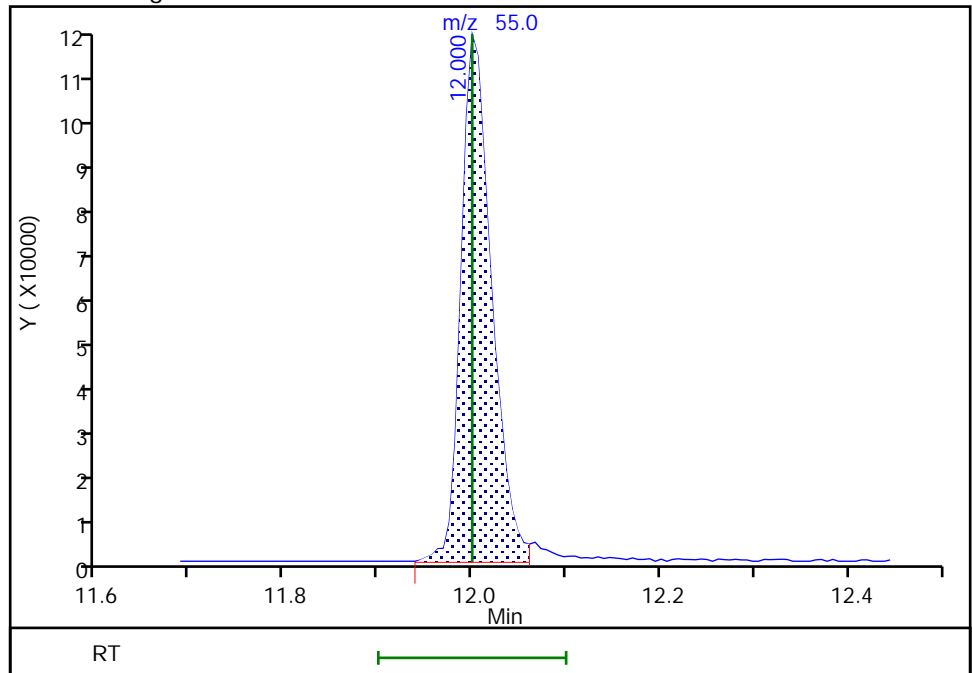
RT: 12.00
Area: 257009
Amount: 263.2456
Amount Units: ug/l

Processing Integration Results



RT: 12.00
Area: 248553
Amount: 235.9187
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:55:41
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\19930\20230321-79468.b\IM21X05.D
 Lims ID: IC std4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 21-Mar-2023 02:00:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0079468-006
 Operator ID: mec29284 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub44
 Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 21-Mar-2023 17:37:21 Calib Date: 21-Mar-2023 06:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1651

First Level Reviewer: K4WN

Date: 21-Mar-2023 16:46:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorodifluoromethane	51	1.910	1.910	0.000	97	183543	2.00	2.02	M
3 Dimethyl ether	45	1.977	1.983	-0.006	99	175698	2.00	1.96	M
21 Acetonitrile	41	3.915	3.910	0.005	20	37788	10.0	12.5	M
* 26 t-Butyl alcohol-d10 (IS)	65	4.129	4.166	-0.037	22	114495	50.0	50.0	
33 Vinyl acetate	43	5.153	5.141	0.012	98	185980	2.00	1.96	
42 Ethyl acetate	43	6.037	6.025	0.012	99	74450	2.00	1.81	
59 Isopropyl acetate	43	7.250	7.250	0.000	98	184960	2.00	2.03	
* 61 Fluorobenzene (IS)	96	7.567	7.567	0.000	99	2239063	10.0	10.0	
70 n-Propyl acetate	43	8.561	8.549	0.012	99	133607	2.00	2.10	
73 2-Chloroethyl vinyl ether	63		9.152				ND	ND	
104 n-Butyl acetate	43	10.481	10.475	0.006	97	157886	2.00	1.99	
* 107 Chlorobenzene-d5 (IS)	117	11.060	11.061	-0.001	86	1776972	10.0	10.0	
118 cis-1,4-Dichloro-2-butene	88	11.969	11.969	0.000	30	82462	4.00	4.11	a
119 Cyclohexanone	55	12.005	12.000	0.005	91	138047	100.0	115.2	Ma
* 135 1,4-Dichlorobenzene-d4	152	12.950	12.944	0.006	94	1088569	10.0	10.0	
149 2-Chloro-1,1,1-Trifluoroethane	1		0.000				ND	ND	
162 Chlorotrifluoroethene	1		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_CCV_V5ACE_00022	Amount Added: 1.00	Units: uL
MSV_DME_00045	Amount Added: 1.00	Units: uL
MSV_CCV_CYC_00005	Amount Added: 8.00	Units: uL
MSV_LLcentISO_00005	Amount Added: 5.00	Units: uL
MSV_V_SMRV4_00054	Amount Added: 5.00	Units: uL

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X05.D

Injection Date: 21-Mar-2023 02:00:30

Instrument ID: 19930

Operator ID: mec29284

Lims ID: IC std4

Worklist Smp#: 6

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

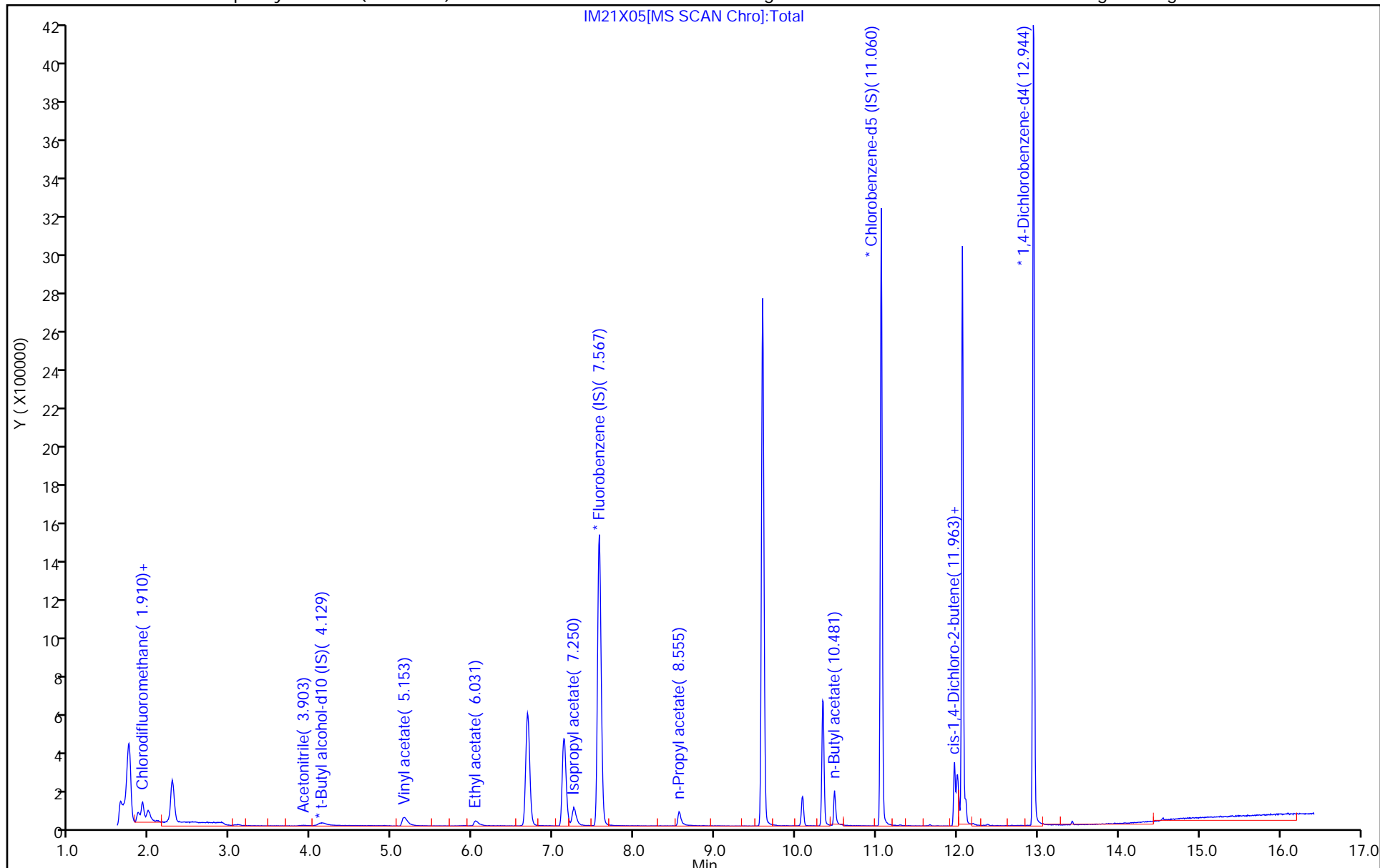
ALS Bottle#: 5

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC

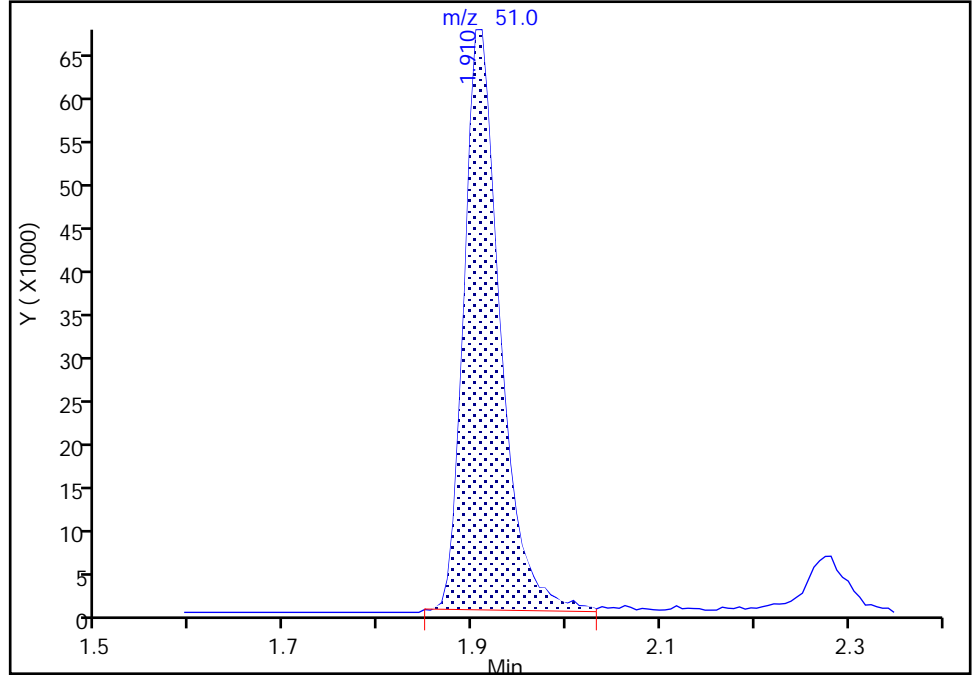
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X05.D
Injection Date: 21-Mar-2023 02:00:30 Instrument ID: 19930
Lims ID: IC std4
Client ID:
Operator ID: mec29284 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

2 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

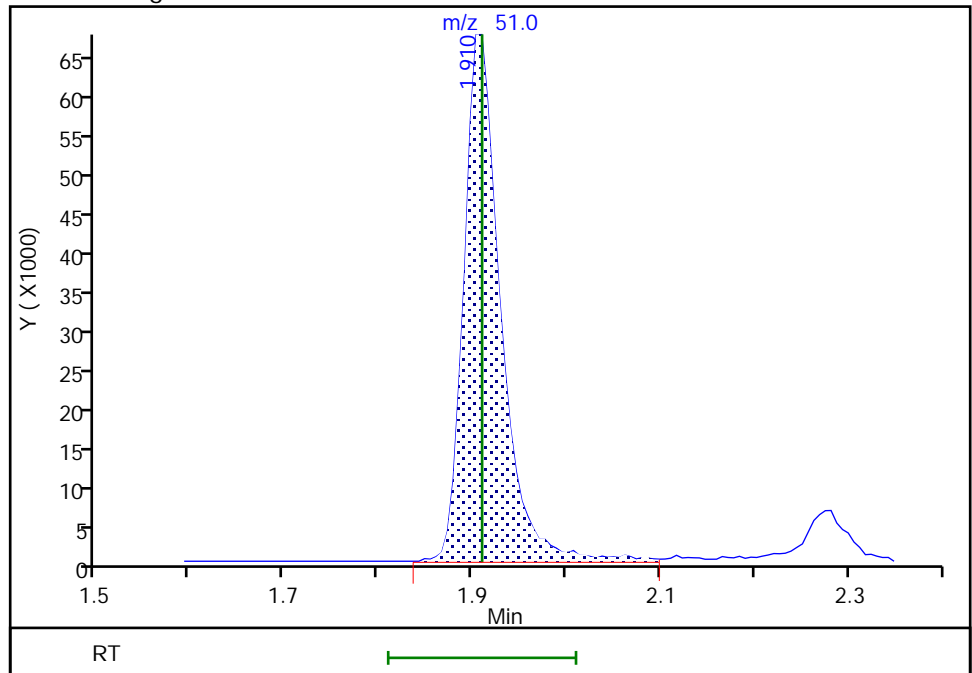
RT: 1.91
Area: 179740
Amount: 1.979763
Amount Units: ug/l

Processing Integration Results



RT: 1.91
Area: 183543
Amount: 2.015621
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:44:58
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

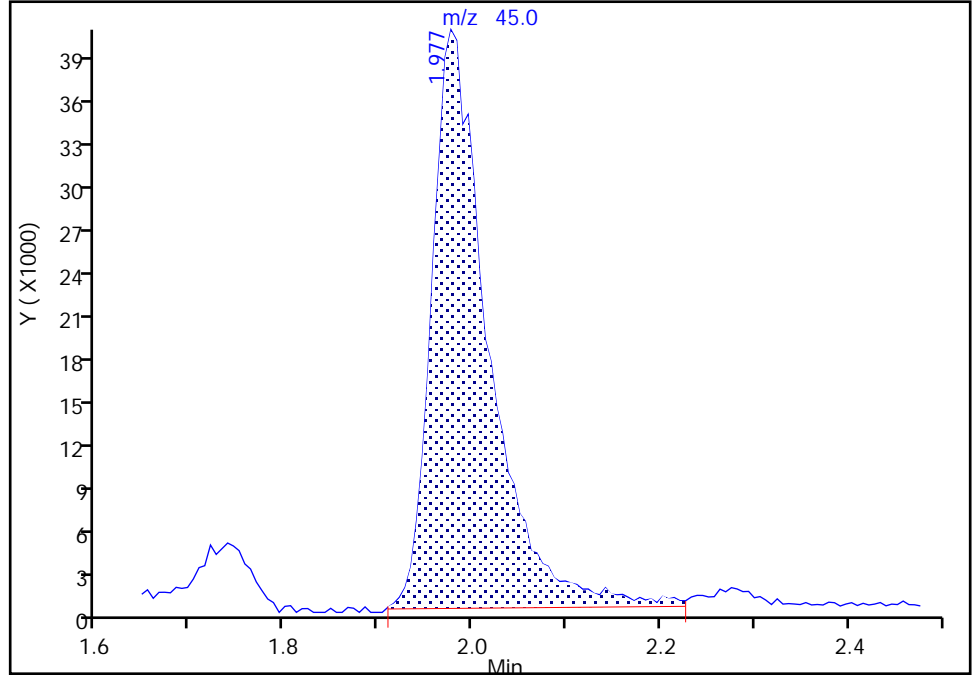
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X05.D
Injection Date: 21-Mar-2023 02:00:30 Instrument ID: 19930
Lims ID: IC std4
Client ID:
Operator ID: mec29284 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

3 Dimethyl ether, CAS: 115-10-6

Signal: 1

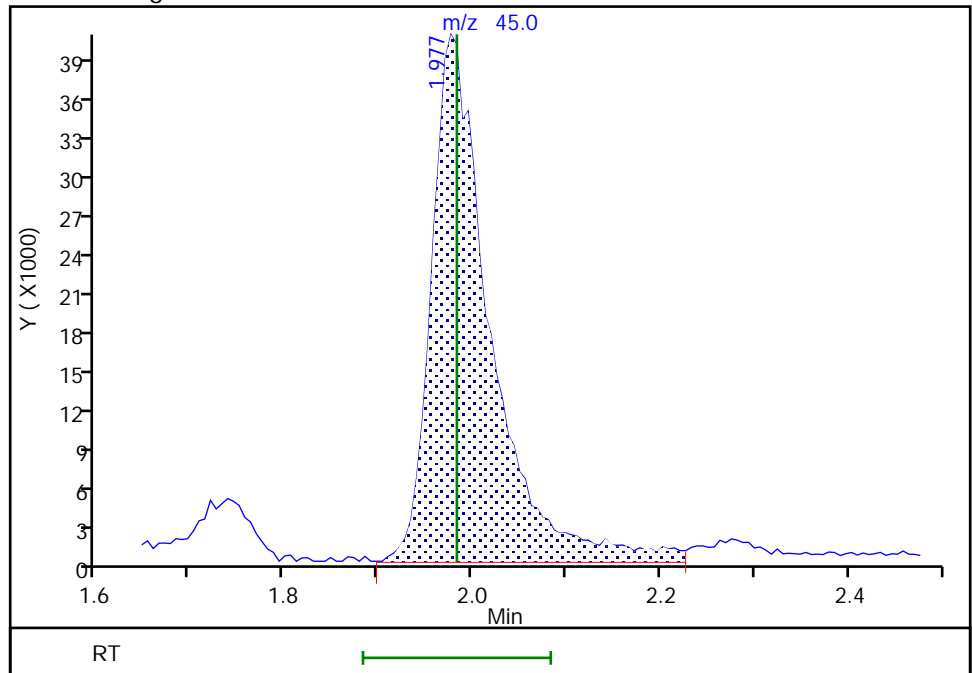
RT: 1.98
Area: 170578
Amount: 1.939825
Amount Units: ug/l

Processing Integration Results



RT: 1.98
Area: 175698
Amount: 1.959321
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:45:27
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

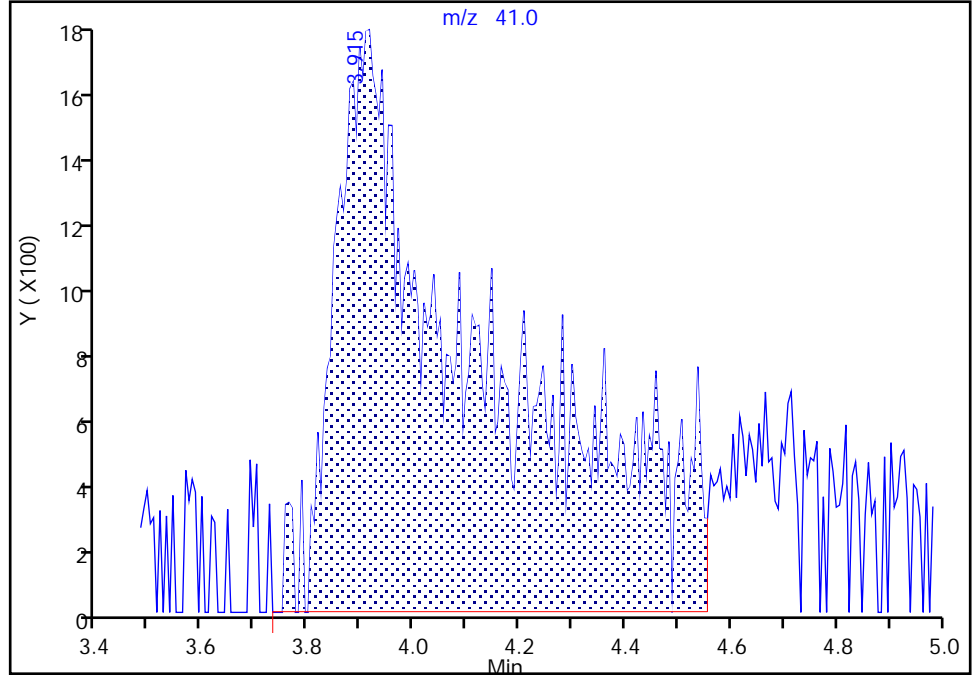
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X05.D
Injection Date: 21-Mar-2023 02:00:30 Instrument ID: 19930
Lims ID: IC std4
Client ID:
Operator ID: mec29284 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

21 Acetonitrile, CAS: 75-05-8

Signal: 1

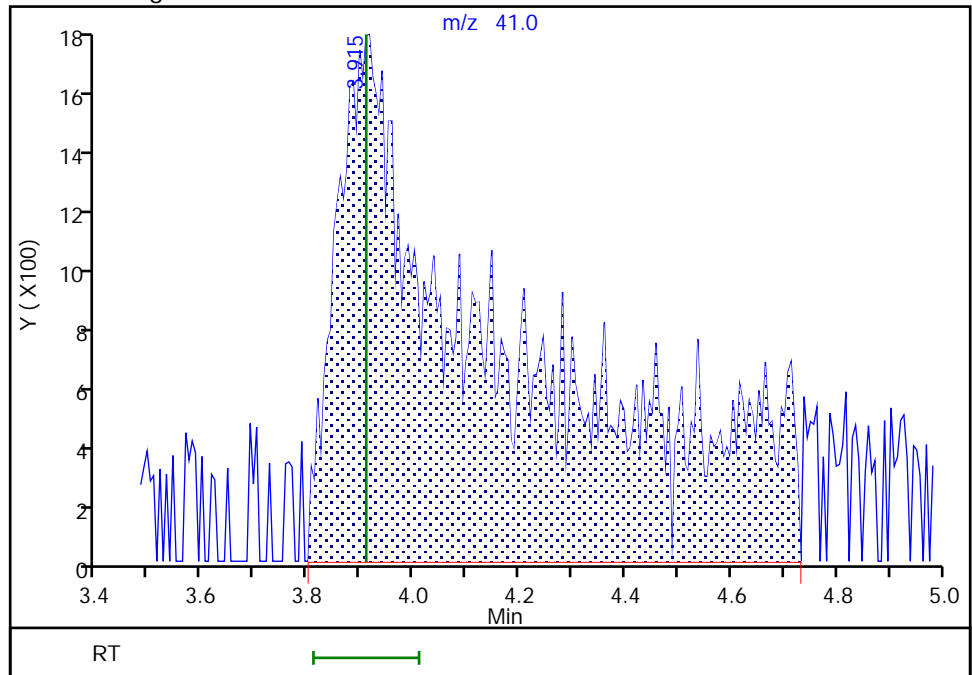
RT: 3.92
Area: 33645
Amount: 11.249494
Amount Units: ug/l

Processing Integration Results



RT: 3.92
Area: 37788
Amount: 12.476689
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:45:37
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

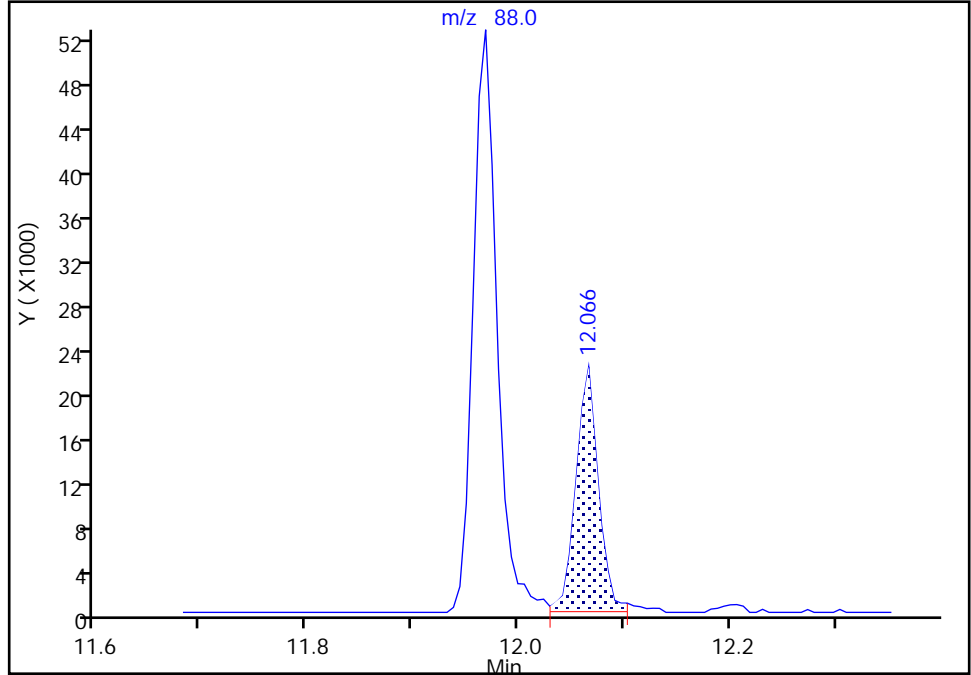
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X05.D
Injection Date: 21-Mar-2023 02:00:30 Instrument ID: 19930
Lims ID: IC std4
Client ID:
Operator ID: mec29284 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

118 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

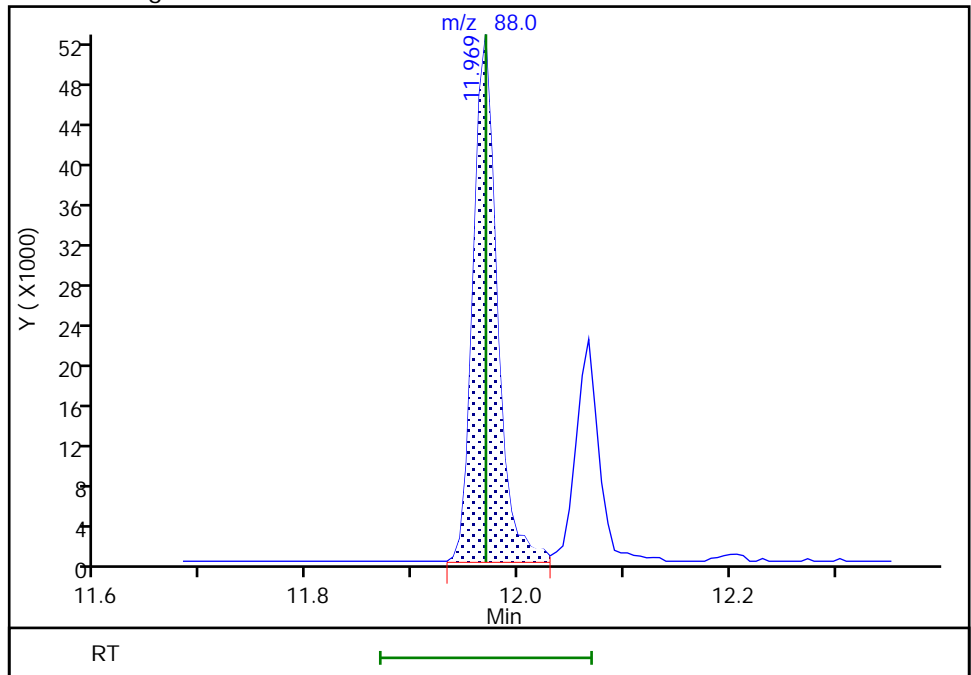
RT: 12.07
Area: 32901
Amount: 1.132245
Amount Units: ug/l

Processing Integration Results



RT: 11.97
Area: 82462
Amount: 4.108782
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:45:54
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

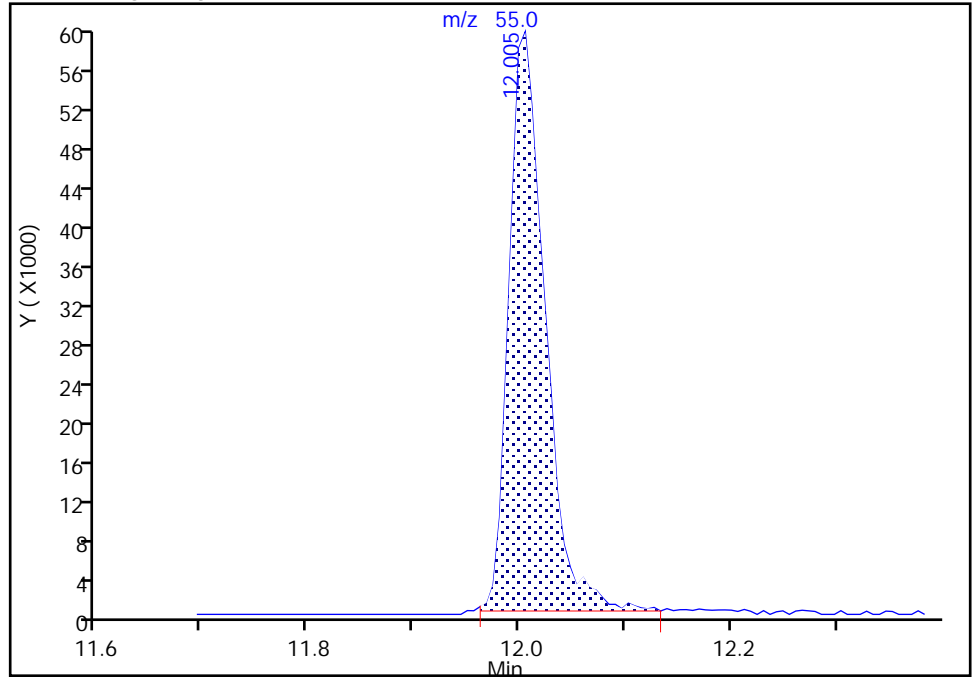
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X05.D
Injection Date: 21-Mar-2023 02:00:30 Instrument ID: 19930
Lims ID: IC std4
Client ID:
Operator ID: mec29284 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

119 Cyclohexanone, CAS: 108-94-1

Signal: 1

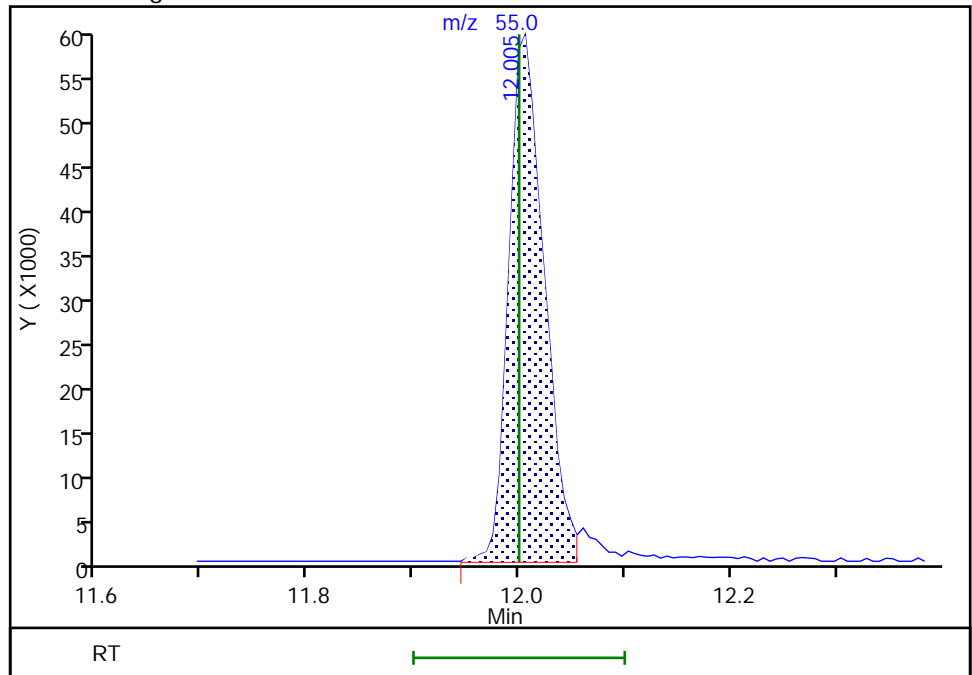
RT: 12.01
Area: 140524
Amount: 118.9911
Amount Units: ug/l

Processing Integration Results



RT: 12.01
Area: 138047
Amount: 115.1820
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:55:26
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\19930\20230321-79468.b\IM21X06.D
 Lims ID: IC std3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 21-Mar-2023 02:20:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0079468-007
 Operator ID: mec29284 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub44
 Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 21-Mar-2023 17:37:23 Calib Date: 21-Mar-2023 06:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1651

First Level Reviewer: K4WN

Date: 21-Mar-2023 16:47:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorodifluoromethane	51	1.916	1.910	0.006	97	96074	1.00	1.04	
3 Dimethyl ether	45	1.983	1.983	0.000	99	93510	1.00	1.03	M
21 Acetonitrile	41	3.916	3.910	0.006	19	16251	5.00	5.28	M
* 26 t-Butyl alcohol-d10 (IS)	65	4.172	4.166	0.006	22	115497	50.0	50.0	M
33 Vinyl acetate	43	5.165	5.141	0.024	98	82985	1.00	0.8629	
42 Ethyl acetate	43	6.049	6.025	0.024	99	36387	1.00	0.8694	
59 Isopropyl acetate	43	7.262	7.250	0.012	98	81814	1.00	0.8855	
* 61 Fluorobenzene (IS)	96	7.573	7.567	0.006	99	2273293	10.0	10.0	
70 n-Propyl acetate	43	8.561	8.549	0.012	99	56272	1.00	0.8730	
73 2-Chloroethyl vinyl ether	63		9.152				ND	ND	
104 n-Butyl acetate	43	10.487	10.475	0.012	97	70299	1.00	0.8766	
* 107 Chlorobenzene-d5 (IS)	117	11.060	11.061	-0.001	86	1791965	10.0	10.0	
118 cis-1,4-Dichloro-2-butene	88	11.969	11.969	0.000	30	37673	2.00	1.86	a
119 Cyclohexanone	55	11.999	12.000	-0.001	91	61006	50.0	50.5	M
* 135 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	1092345	10.0	10.0	
149 2-Chloro-1,1,1-Trifluoroethane	1		0.000				ND	ND	
162 Chlorotrifluoroethene	1		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_CCV_V5ACE_00022	Amount Added: 1.00	Units: uL
MSV_DME_00045	Amount Added: 1.00	Units: uL
MSV_CCV_CYC_00005	Amount Added: 8.00	Units: uL
MSV_LLcentISO_00005	Amount Added: 5.00	Units: uL
MSV_V_SMRV4_00054	Amount Added: 5.00	Units: uL

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X06.D

Injection Date: 21-Mar-2023 02:20:30

Instrument ID: 19930

Operator ID: mec29284

Lims ID: IC std3

Worklist Smp#: 7

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

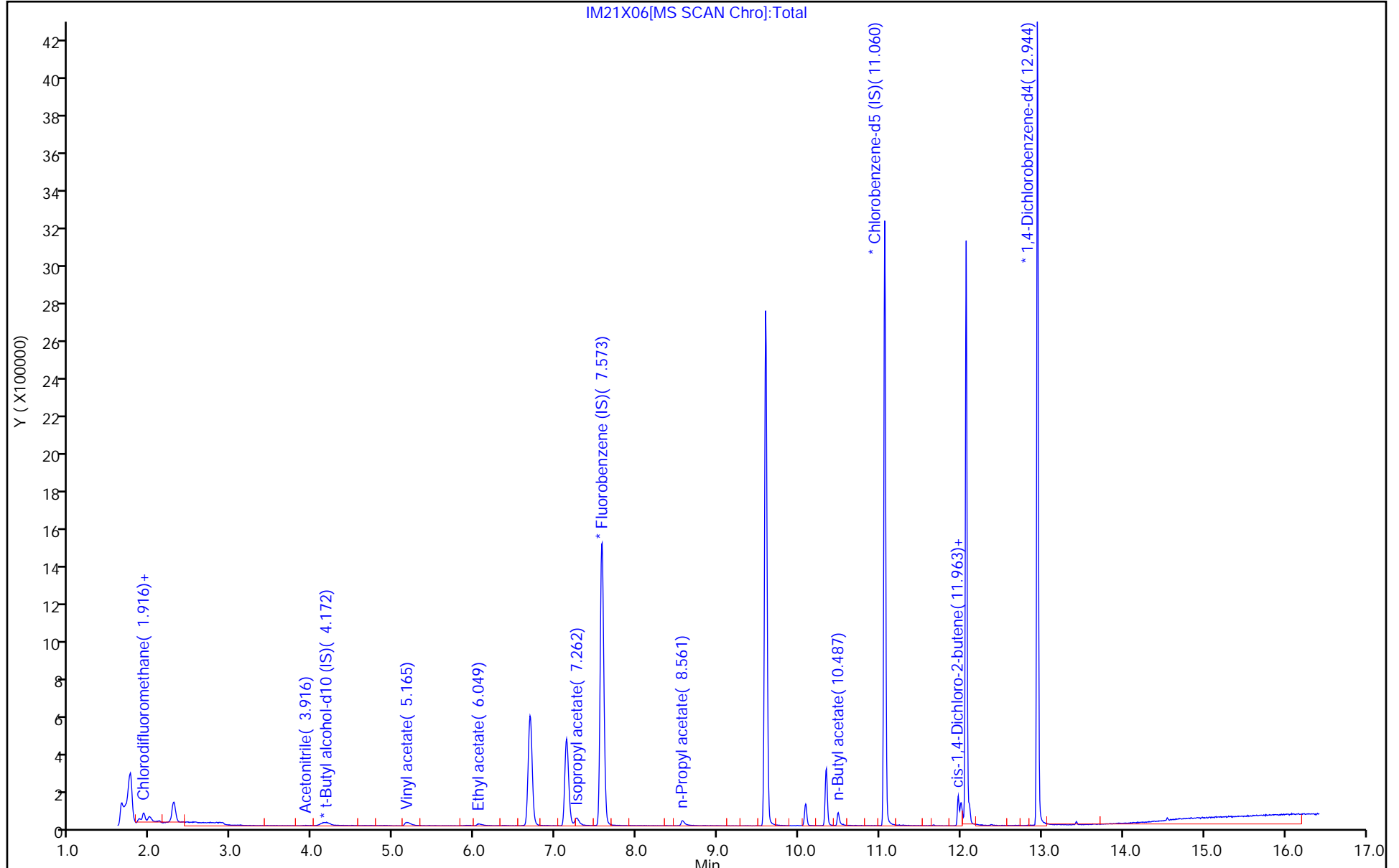
ALS Bottle#: 6

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC

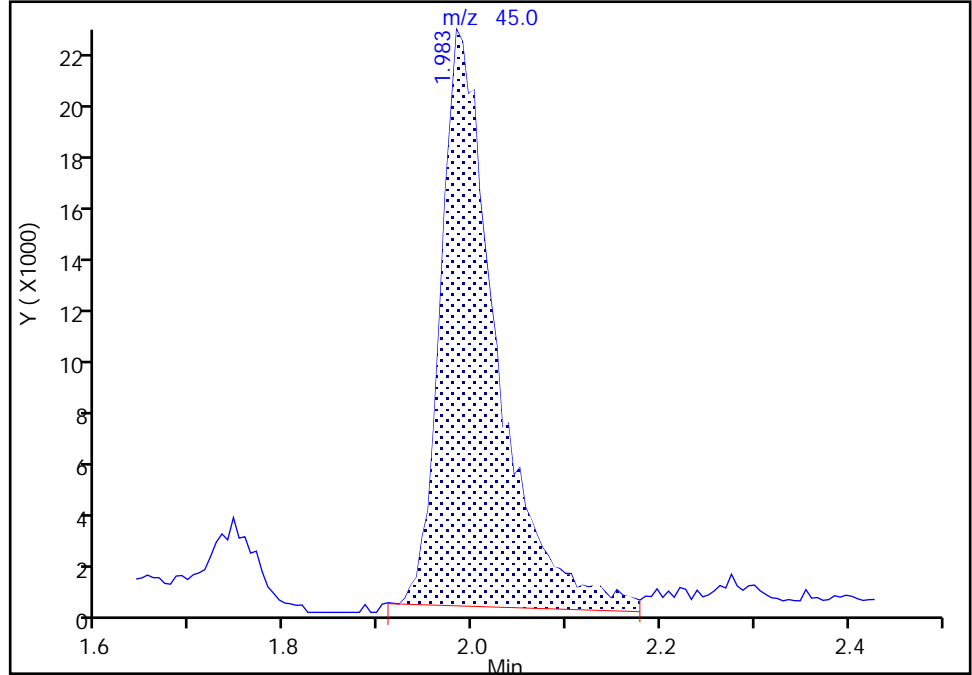
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X06.D
Injection Date: 21-Mar-2023 02:20:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: mec29284 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

3 Dimethyl ether, CAS: 115-10-6

Signal: 1

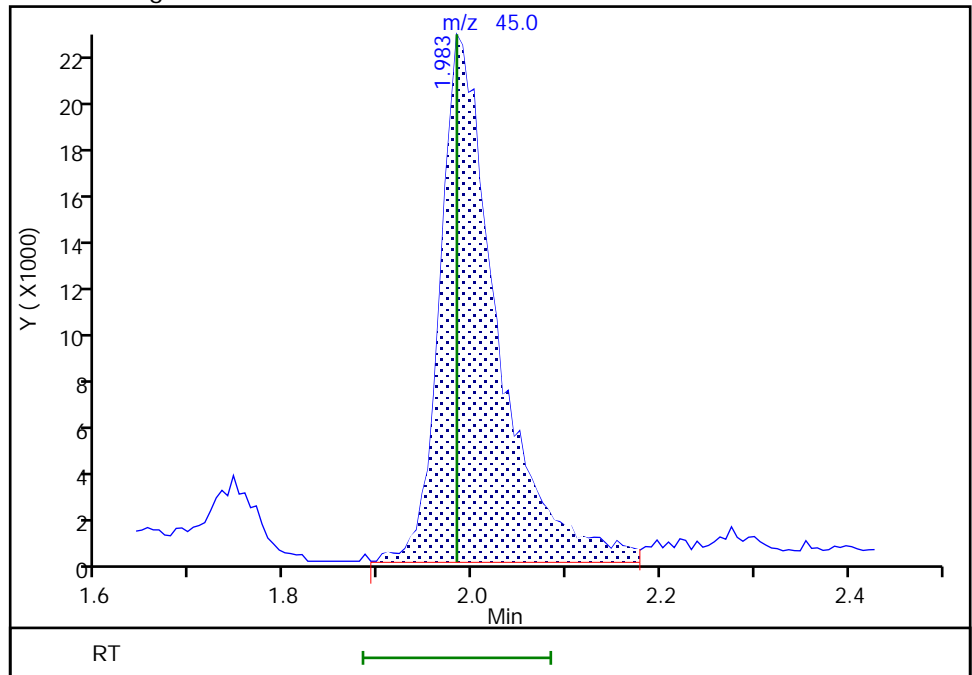
RT: 1.98
Area: 90490
Amount: 0.938884
Amount Units: ug/l

Processing Integration Results



RT: 1.98
Area: 93510
Amount: 1.027088
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:46:28
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

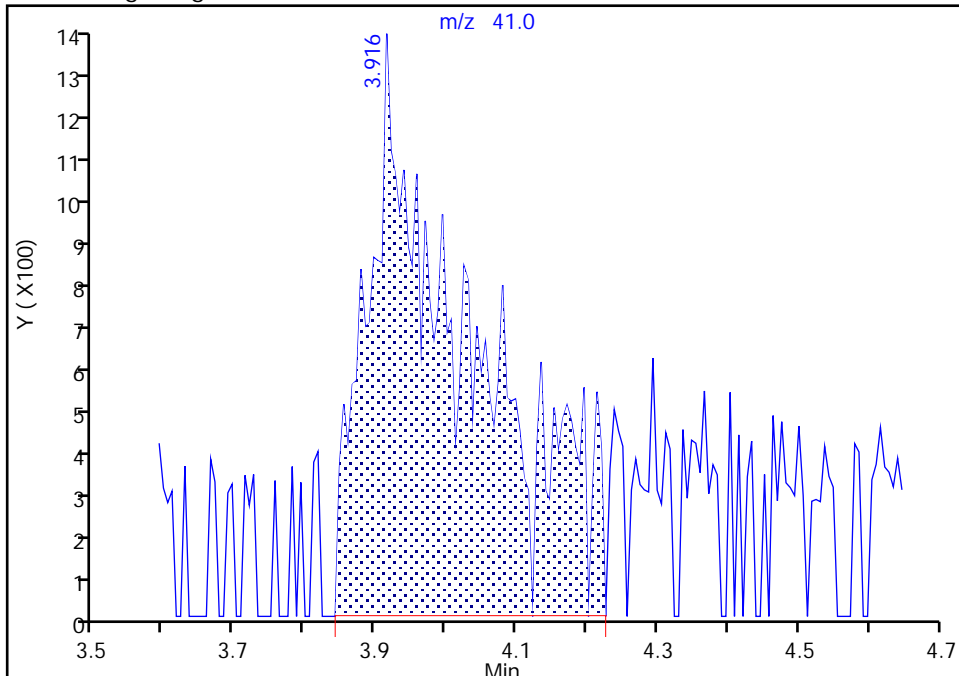
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X06.D
Injection Date: 21-Mar-2023 02:20:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: mec29284 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

21 Acetonitrile, CAS: 75-05-8

Signal: 1

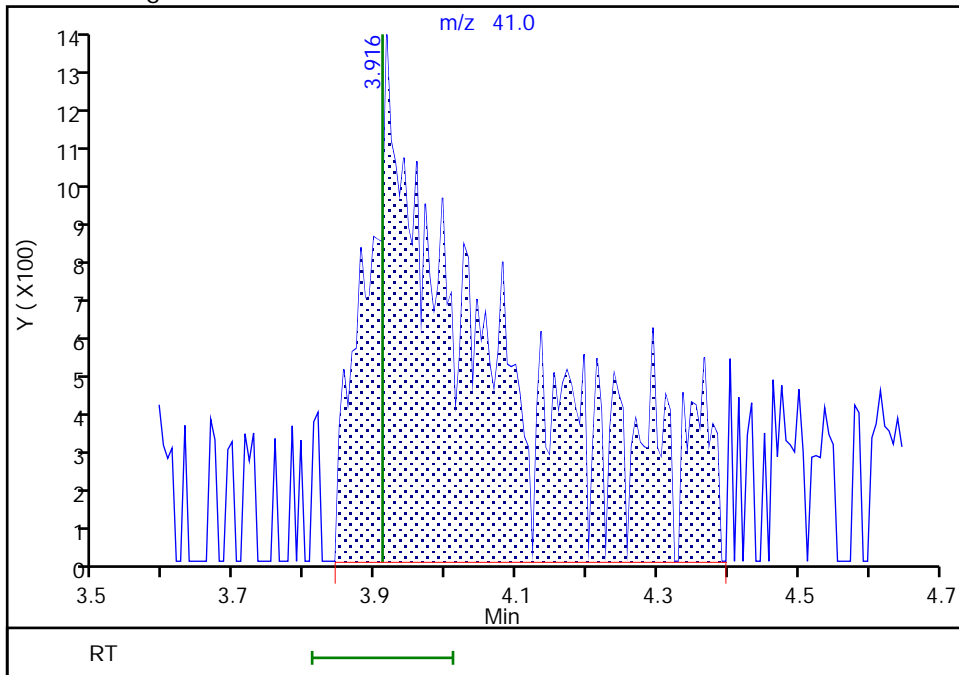
RT: 3.92
Area: 13202
Amount: 4.263366
Amount Units: ug/l

Processing Integration Results



RT: 3.92
Area: 16251
Amount: 5.284896
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:46:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

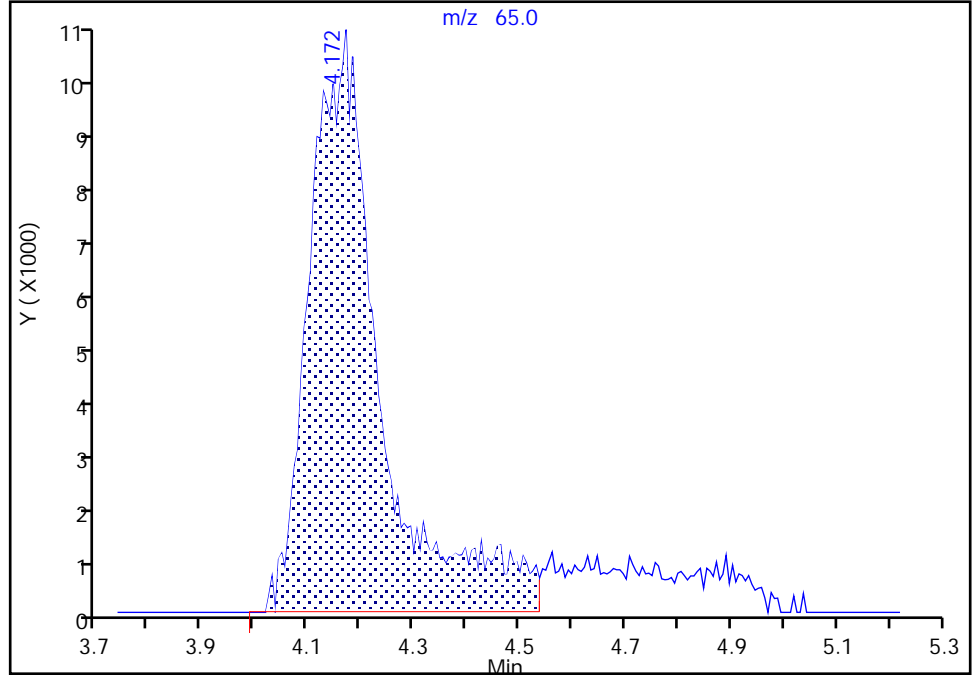
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X06.D
Injection Date: 21-Mar-2023 02:20:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: mec29284 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2
Signal: 1

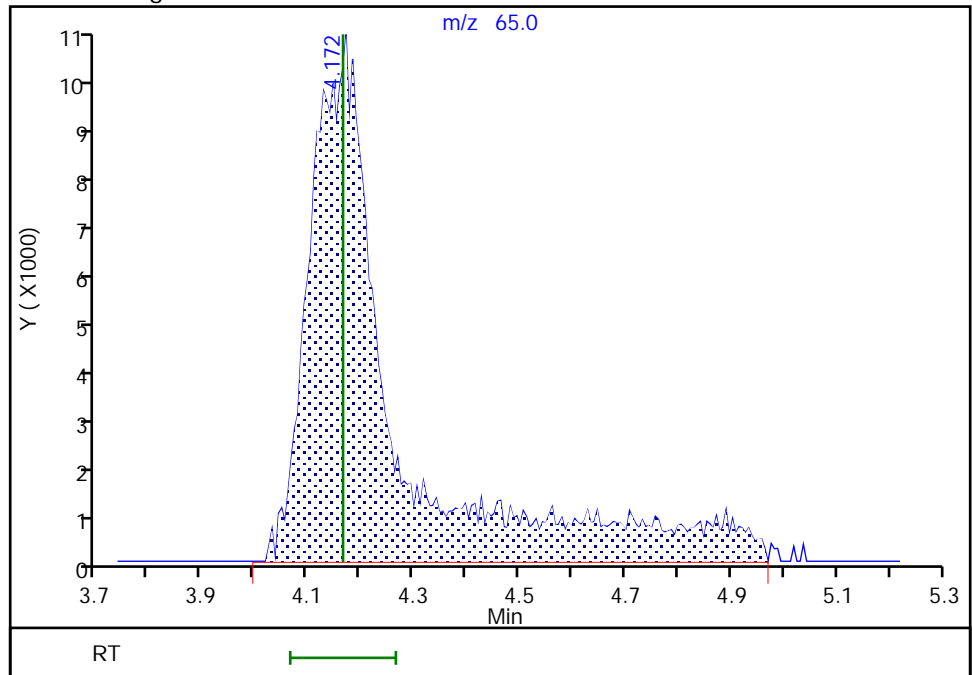
RT: 4.17
Area: 97209
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 4.17
Area: 115497
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:46:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

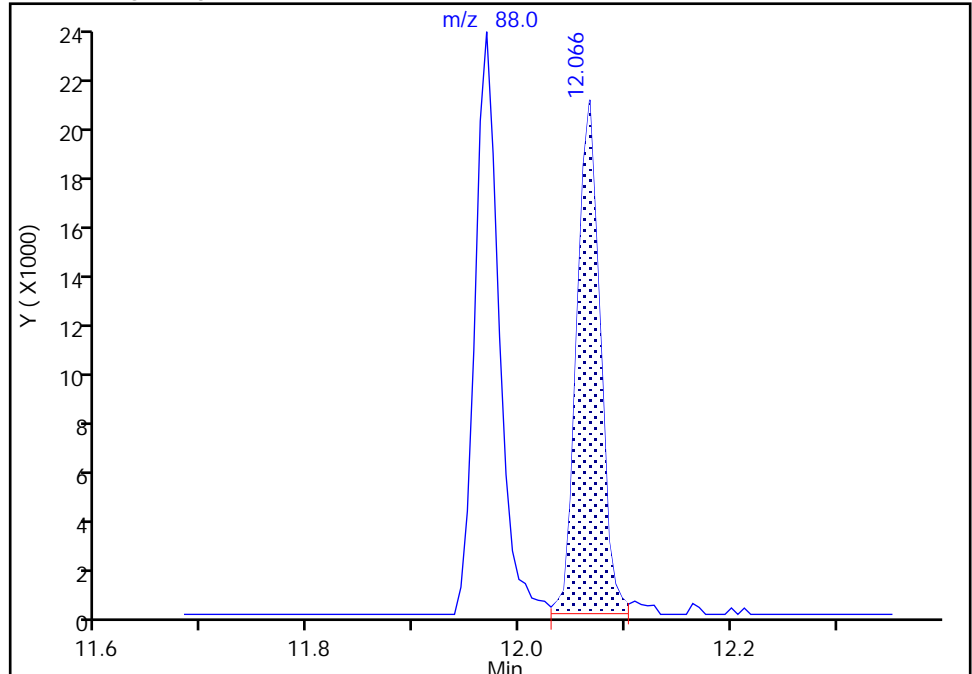
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X06.D
Injection Date: 21-Mar-2023 02:20:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: mec29284 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

118 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

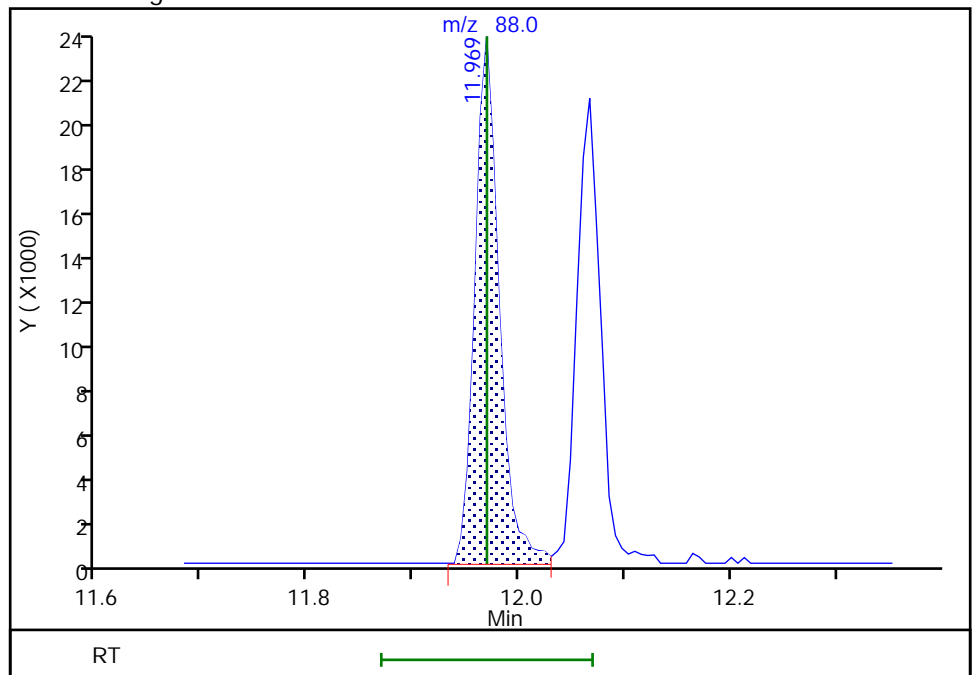
RT: 12.07
Area: 32196
Amount: 1.035633
Amount Units: ug/l

Processing Integration Results



RT: 11.97
Area: 37673
Amount: 1.861403
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:47:00
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

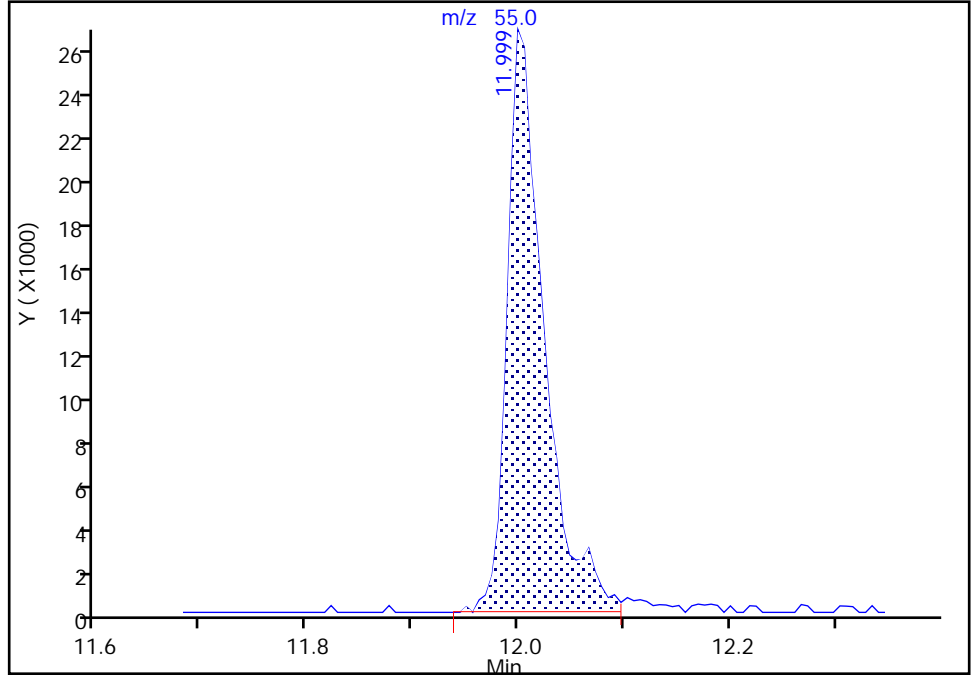
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X06.D
Injection Date: 21-Mar-2023 02:20:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: mec29284 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

119 Cyclohexanone, CAS: 108-94-1

Signal: 1

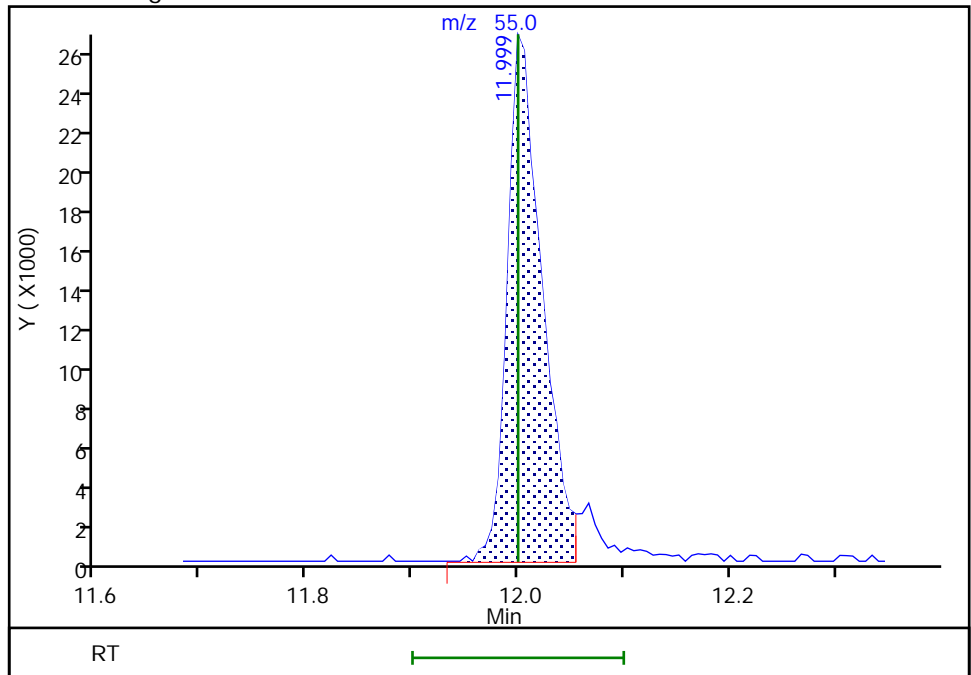
RT: 12.00
Area: 64772
Amount: 55.576081
Amount Units: ug/l

Processing Integration Results



RT: 12.00
Area: 61006
Amount: 50.459859
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:54:49
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\19930\20230321-79468.b\IM21X07.D
 Lims ID: IC std2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 21-Mar-2023 02:41:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0079468-008
 Operator ID: mec29284 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub44
 Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 21-Mar-2023 17:37:26 Calib Date: 21-Mar-2023 06:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1651

First Level Reviewer: K4WN Date: 21-Mar-2023 16:48:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorodifluoromethane	51	1.910	1.910	0.000	97	46724	0.5000	0.5067	
3 Dimethyl ether	45	1.977	1.983	-0.006	100	49342	0.5000	0.5434	M
21 Acetonitrile	41	3.977	3.910	0.067	24	5551	2.50	1.81	
* 26 t-Butyl alcohol-d10 (IS)	65	4.147	4.166	-0.019	1	105384	50.0	50.0	
33 Vinyl acetate	43	5.171	5.141	0.030	97	41827	0.5000	0.4361	M
42 Ethyl acetate	43	6.055	6.025	0.030	97	21446	0.5000	0.5138	M
59 Isopropyl acetate	43	7.263	7.250	0.013	99	41951	0.5000	0.4552	
* 61 Fluorobenzene (IS)	96	7.567	7.567	0.000	99	2267293	10.0	10.0	
70 n-Propyl acetate	43	8.567	8.549	0.018	98	28155	0.5000	0.4380	Ma
73 2-Chloroethyl vinyl ether	63		9.152				ND	ND	
104 n-Butyl acetate	43	10.488	10.475	0.013	98	35219	0.5000	0.4440	
* 107 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	86	1772688	10.0	10.0	
118 cis-1,4-Dichloro-2-butene	88	11.969	11.969	0.000	30	17462	1.00	0.8722	a
119 Cyclohexanone	55	12.006	12.000	0.006	91	27681	25.0	25.1	M
* 135 1,4-Dichlorobenzene-d4	152	12.950	12.944	0.006	94	1084583	10.0	10.0	
149 2-Chloro-1,1,1-Trifluoroethane	1		0.000				ND	ND	
162 Chlorotrifluoroethene	1		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_CCV_V5ACE_00022	Amount Added: 0.50	Units: uL
MSV_DME_00045	Amount Added: 0.50	Units: uL
MSV_CCV_CYC_00005	Amount Added: 4.00	Units: uL
MSV_LLcentISO_00005	Amount Added: 5.00	Units: uL
MSV_V_SMRV4_00054	Amount Added: 2.50	Units: uL

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X07.D

Injection Date: 21-Mar-2023 02:41:30

Instrument ID: 19930

Operator ID: mec29284

Lims ID: IC std2

Worklist Smp#: 8

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

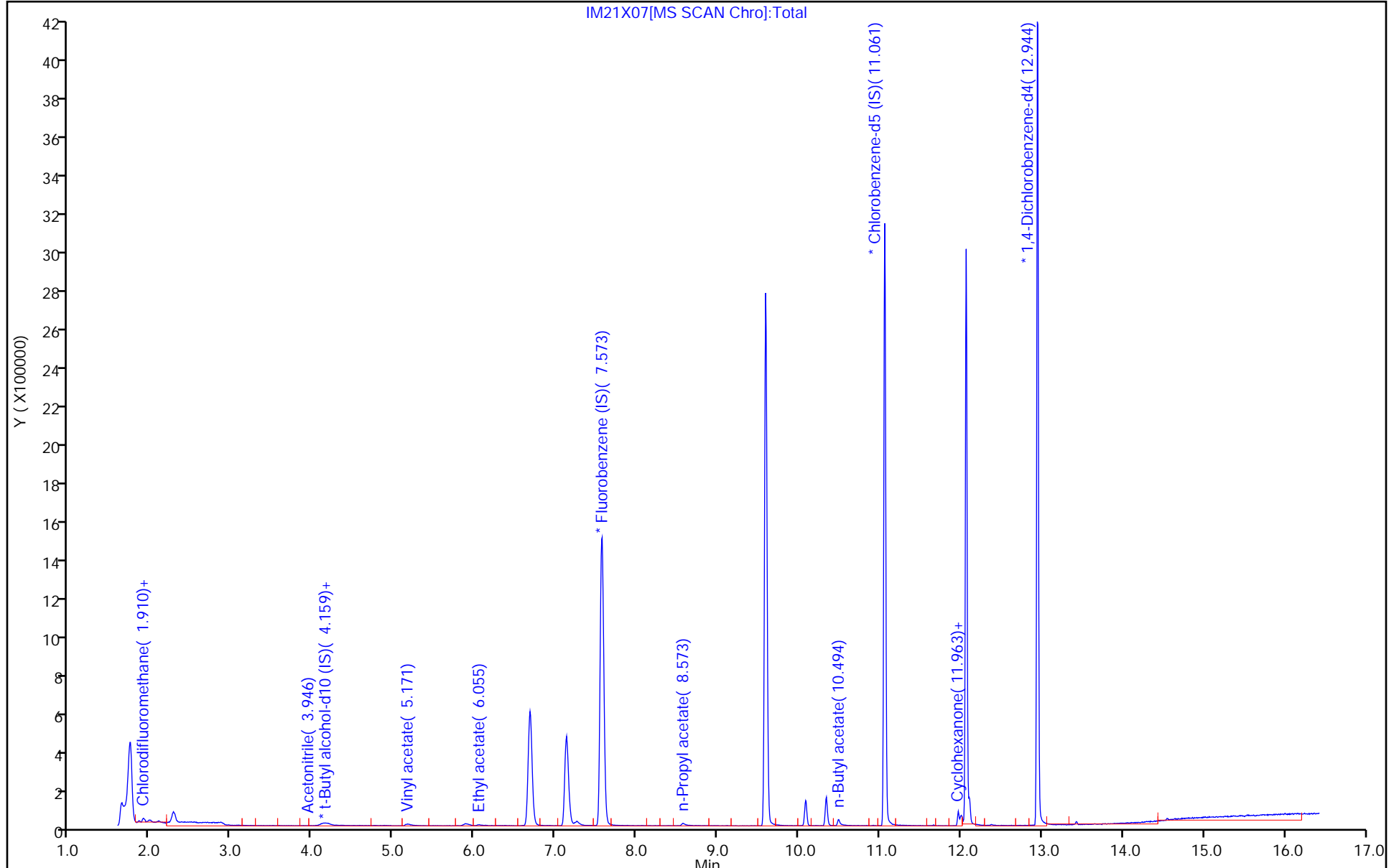
ALS Bottle#: 7

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC

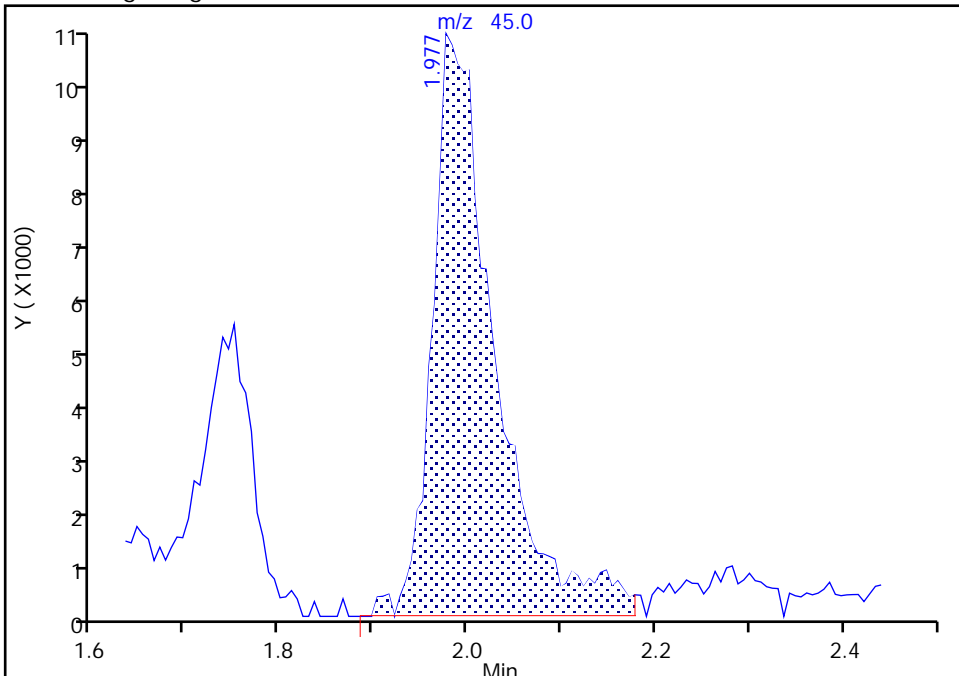
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Injection Date: 21-Mar-2023 02:41:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

3 Dimethyl ether, CAS: 115-10-6

Signal: 1

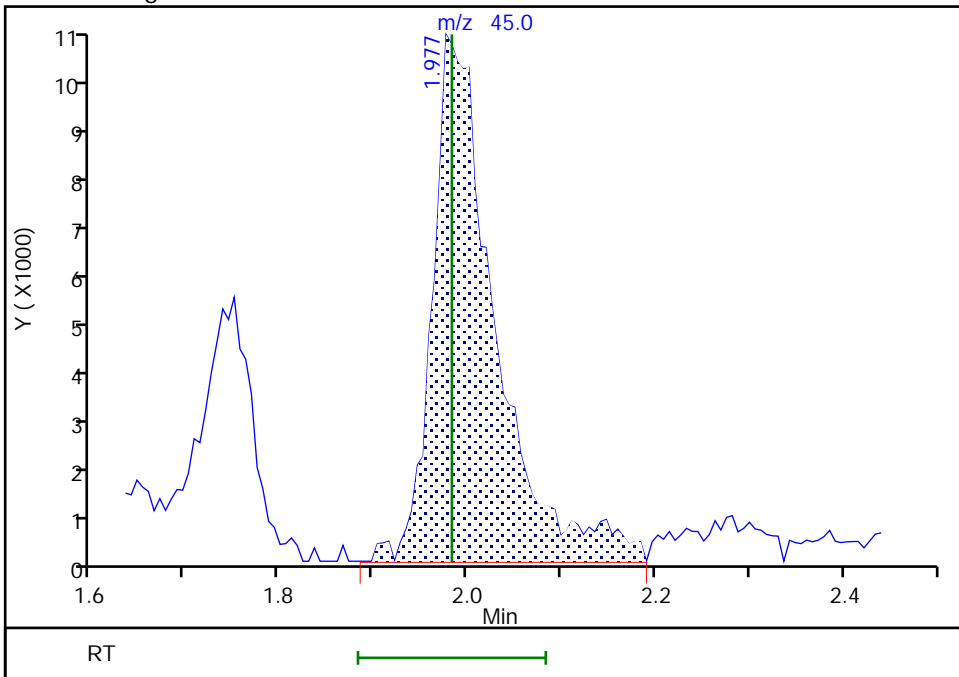
RT: 1.98
Area: 49202
Amount: 0.443828
Amount Units: ug/l

Processing Integration Results



RT: 1.98
Area: 49342
Amount: 0.543393
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:47:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

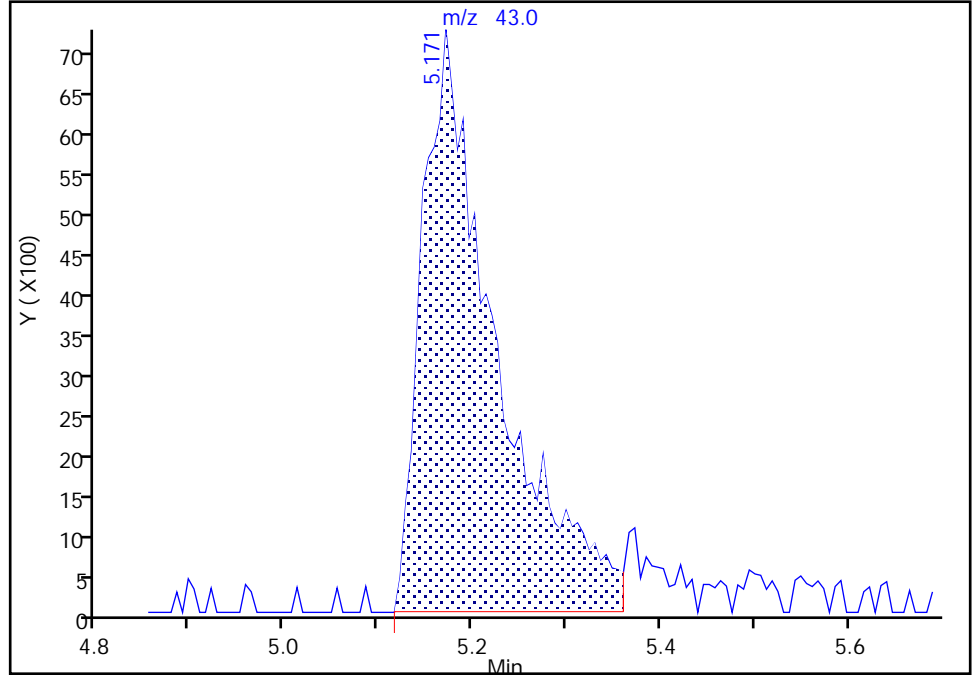
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X07.D
Injection Date: 21-Mar-2023 02:41:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

33 Vinyl acetate, CAS: 108-05-4

Signal: 1

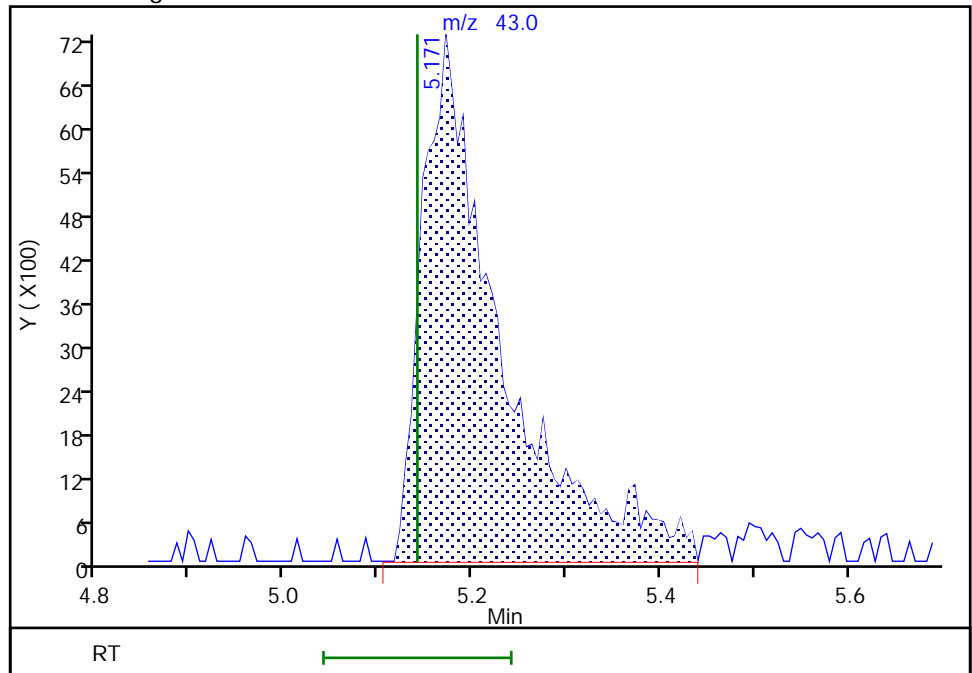
RT: 5.17
Area: 39338
Amount: 0.426384
Amount Units: ug/l

Processing Integration Results



RT: 5.17
Area: 41827
Amount: 0.436071
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:47:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

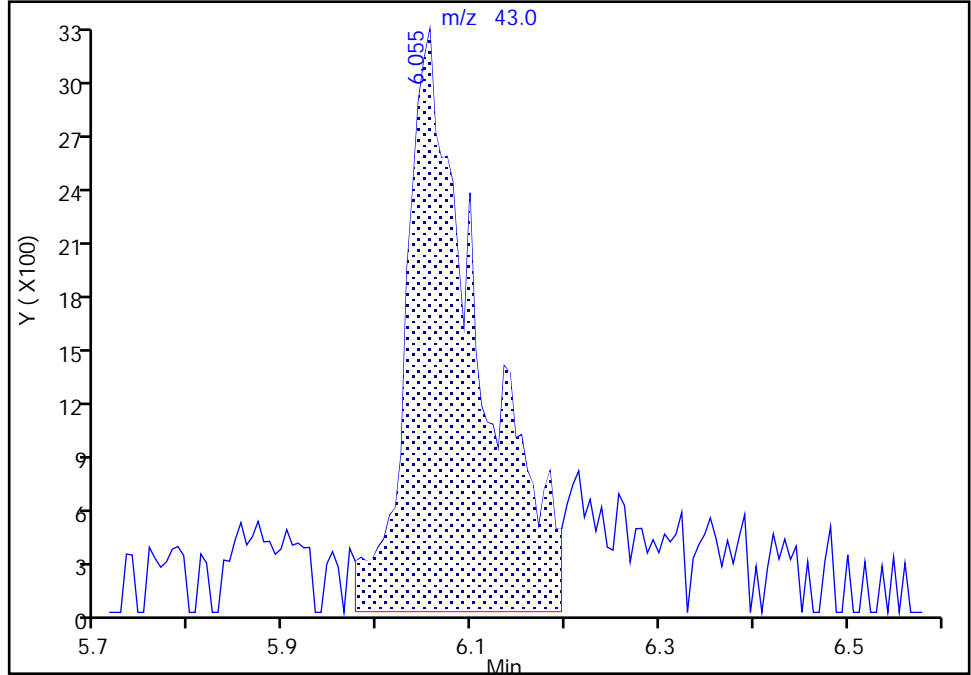
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X07.D
Injection Date: 21-Mar-2023 02:41:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

42 Ethyl acetate, CAS: 141-78-6

Signal: 1

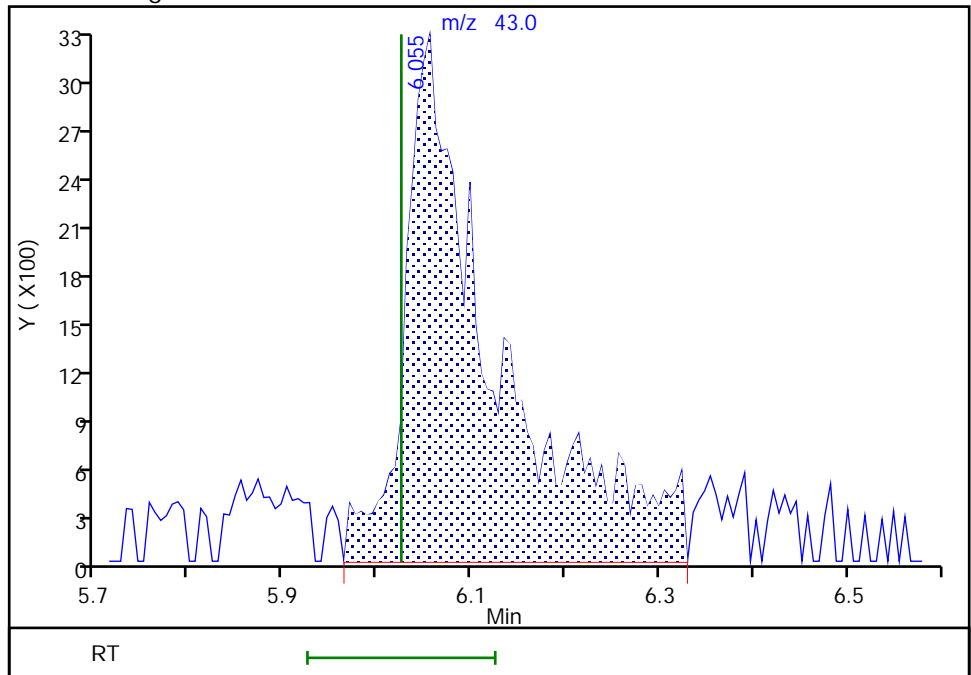
RT: 6.06
Area: 17528
Amount: 0.454326
Amount Units: ug/l

Processing Integration Results



RT: 6.06
Area: 21446
Amount: 0.513772
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:48:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

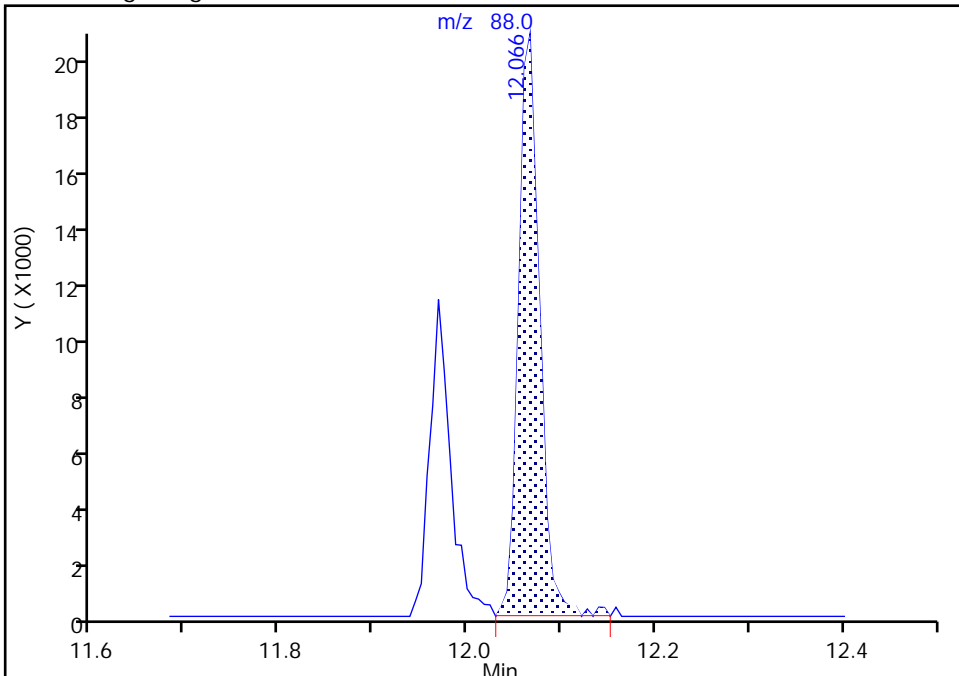
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X07.D
Injection Date: 21-Mar-2023 02:41:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

118 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

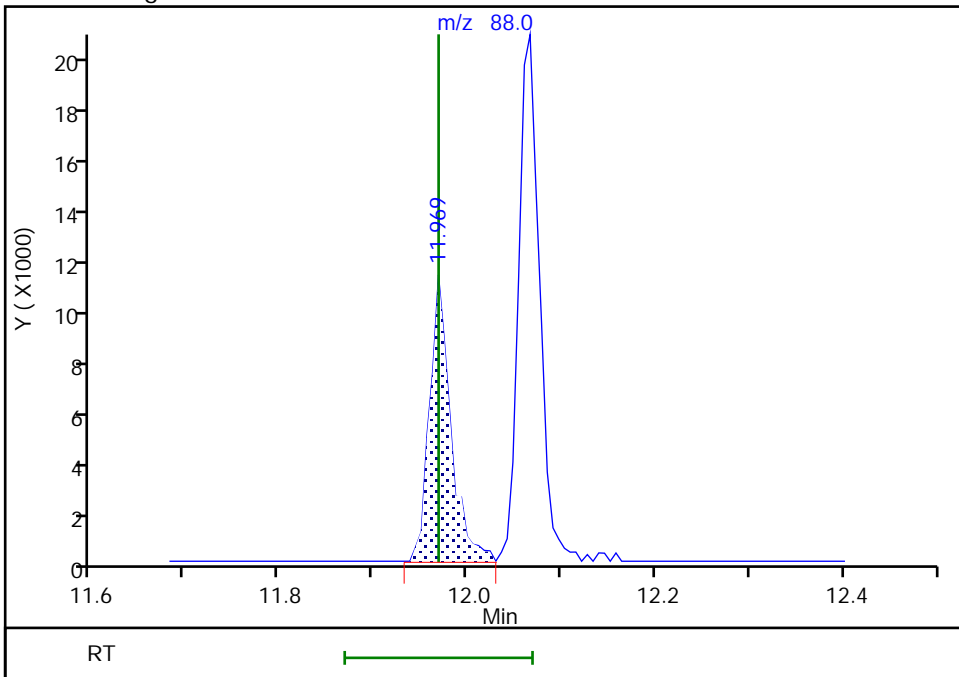
RT: 12.07
Area: 32125
Amount: 1.031606
Amount Units: ug/l

Processing Integration Results



RT: 11.97
Area: 17462
Amount: 0.872171
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:48:21
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

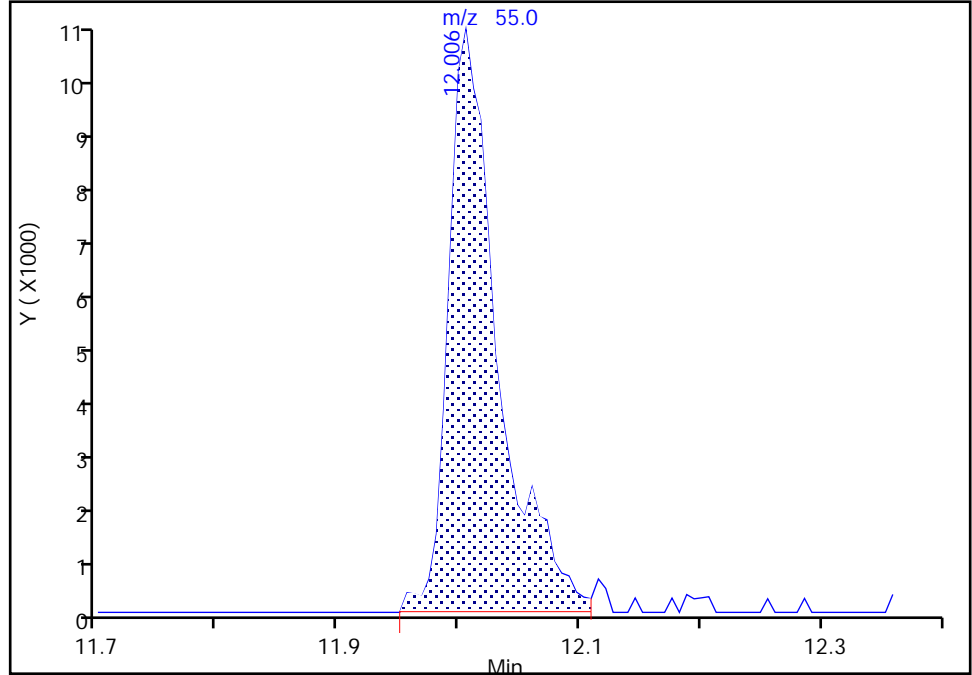
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X07.D
Injection Date: 21-Mar-2023 02:41:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

119 Cyclohexanone, CAS: 108-94-1

Signal: 1

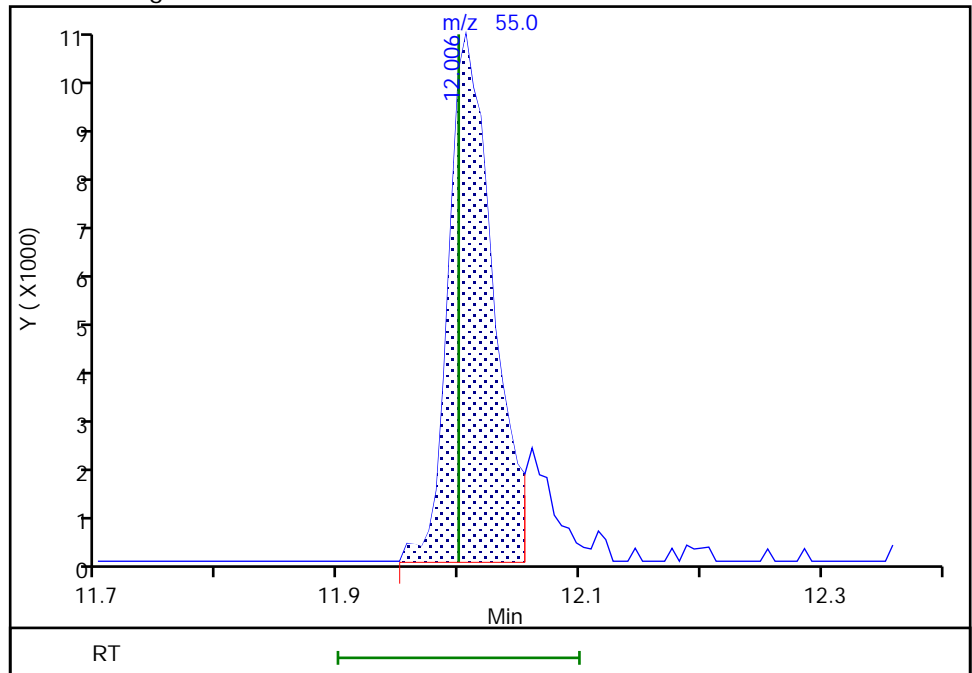
RT: 12.01
Area: 30999
Amount: 24.833989
Amount Units: ug/l

Processing Integration Results



RT: 12.01
Area: 27681
Amount: 25.092925
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:54:27
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\19930\20230321-79468.b\IM21X08.D
 Lims ID: IC std1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 21-Mar-2023 03:01:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0079468-009
 Operator ID: mec29284 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub44
 Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 21-Mar-2023 17:37:29 Calib Date: 21-Mar-2023 06:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1651

First Level Reviewer: K4WN Date: 21-Mar-2023 16:54:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorodifluoromethane	51	1.904	1.910	-0.006	97	18534	0.2000	0.1990	
3 Dimethyl ether	45	1.983	1.983	0.000	96	29907	0.2000	0.3261	
21 Acetonitrile	41	3.922	3.910	0.012	24	3864	1.00	1.25	
* 26 t-Butyl alcohol-d10 (IS)	65	4.135	4.166	-0.031	22	102634	50.0	50.0	
33 Vinyl acetate	43	5.184	5.141	0.043	87	23327	0.2000	0.2408	M
42 Ethyl acetate	43	6.049	6.025	0.024	3	10727	0.2000	0.2545	M
59 Isopropyl acetate	43	7.263	7.250	0.013	97	23090	0.2000	0.2481	
* 61 Fluorobenzene (IS)	96	7.567	7.567	0.000	99	2289791	10.0	10.0	
70 n-Propyl acetate	43	8.573	8.549	0.024	97	14602	0.2000	0.2249	
73 2-Chloroethyl vinyl ether	63		9.152				ND	ND	
104 n-Butyl acetate	43	10.488	10.475	0.013	94	18894	0.2000	0.2358	
* 107 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	86	1790184	10.0	10.0	
118 cis-1,4-Dichloro-2-butene	88	11.969	11.969	0.000	30	6202	0.4000	0.3067	a
119 Cyclohexanone	55	12.006	12.000	0.006	91	11958	10.0	11.1	M
* 135 1,4-Dichlorobenzene-d4	152	12.950	12.944	0.006	94	1101215	10.0	10.0	
149 2-Chloro-1,1,1-Trifluoroethane	1		0.000				ND	ND	
162 Chlorotrifluoroethene	1		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_CCV_V5ACE_00022	Amount Added: 0.20	Units: uL
MSV_DME_00045	Amount Added: 0.20	Units: uL
MSV_CCV_CYC_00005	Amount Added: 1.60	Units: uL
MSV_LLcentISO_00005	Amount Added: 5.00	Units: uL
MSV_V_SMRV4_00054	Amount Added: 1.00	Units: uL

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X08.D

Injection Date: 21-Mar-2023 03:01:30

Instrument ID: 19930

Operator ID: mec29284

Lims ID: IC std1

Worklist Smp#: 9

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

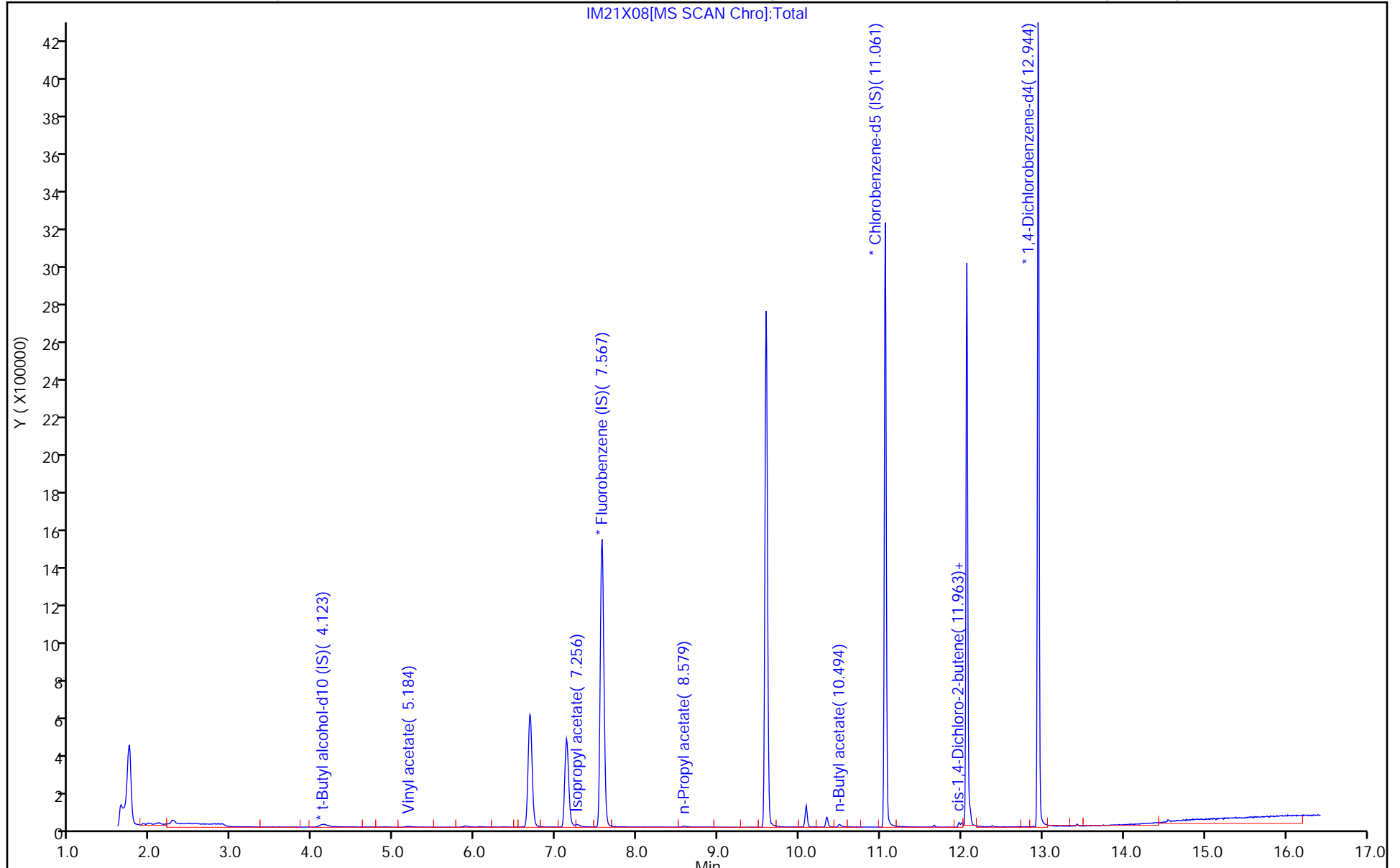
ALS Bottle#: 8

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC

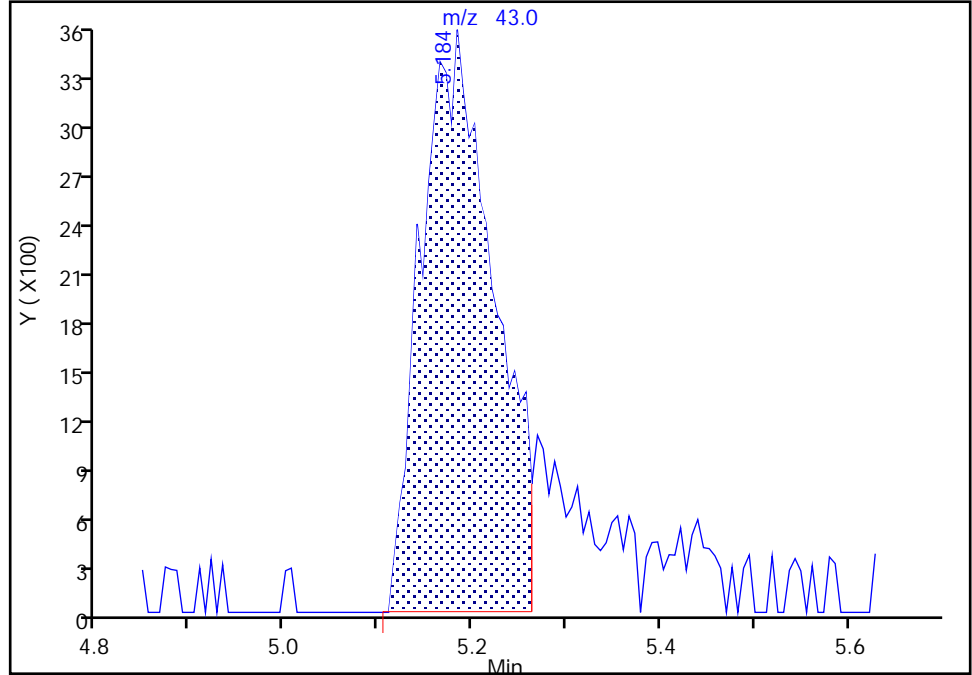
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\1M21X08.D
Injection Date: 21-Mar-2023 03:01:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

33 Vinyl acetate, CAS: 108-05-4

Signal: 1

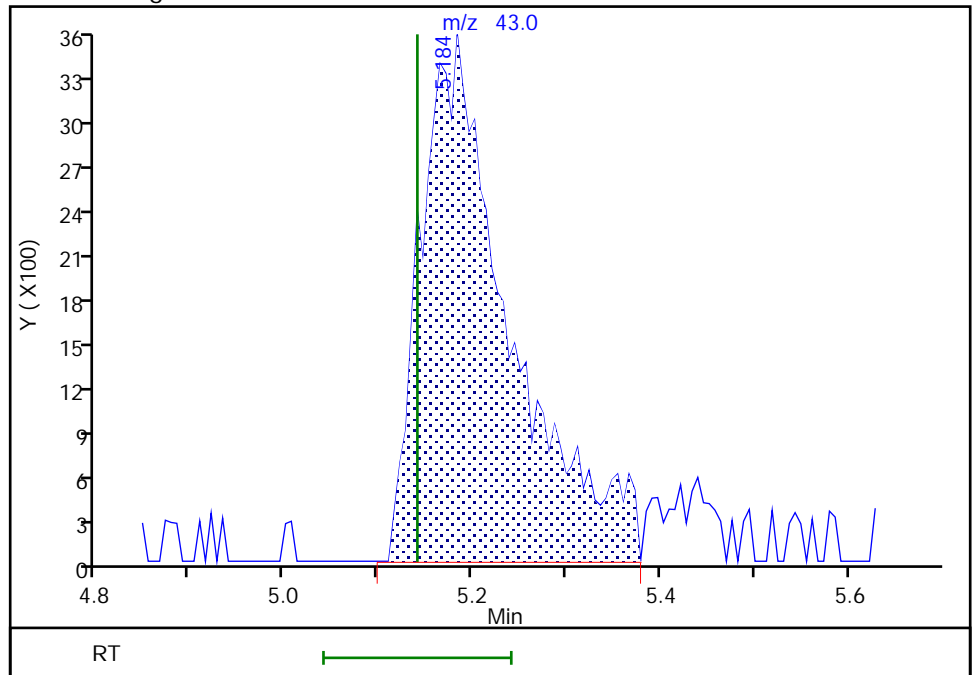
RT: 5.18
Area: 19160
Amount: 0.204062
Amount Units: ug/l

Processing Integration Results



RT: 5.18
Area: 23327
Amount: 0.240808
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:48:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

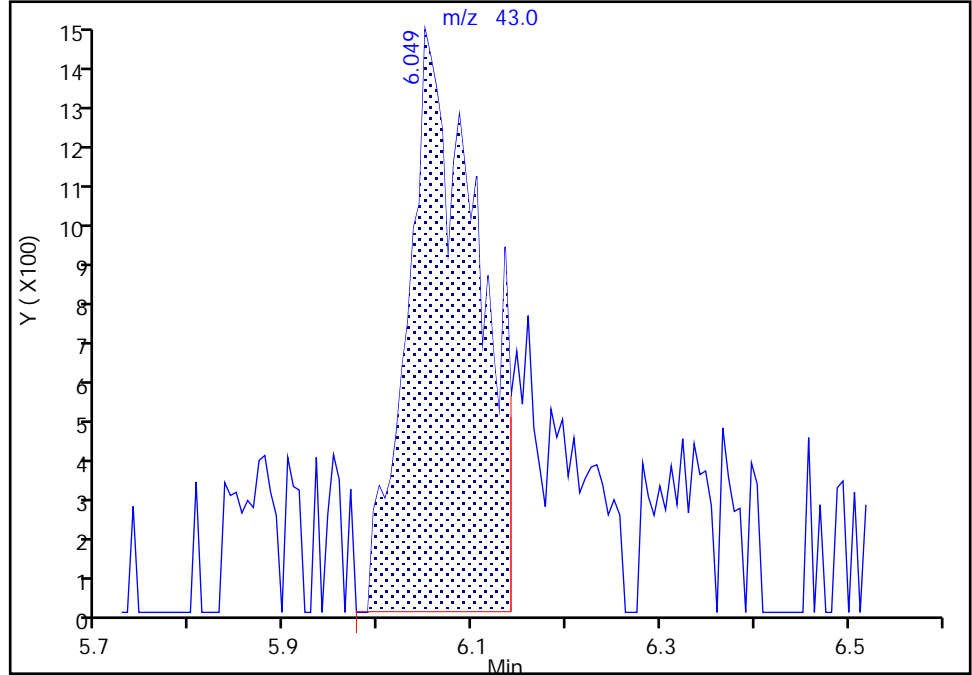
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X08.D
Injection Date: 21-Mar-2023 03:01:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

42 Ethyl acetate, CAS: 141-78-6

Signal: 1

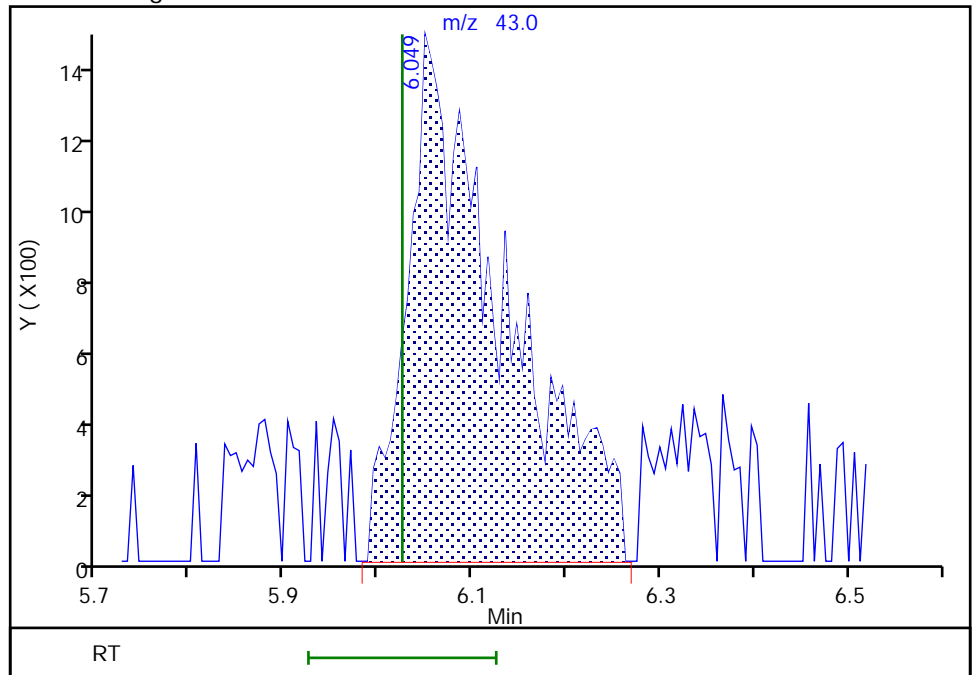
RT: 6.05
Area: 7839
Amount: 0.195517
Amount Units: ug/l

Processing Integration Results



RT: 6.05
Area: 10727
Amount: 0.254457
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:48:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

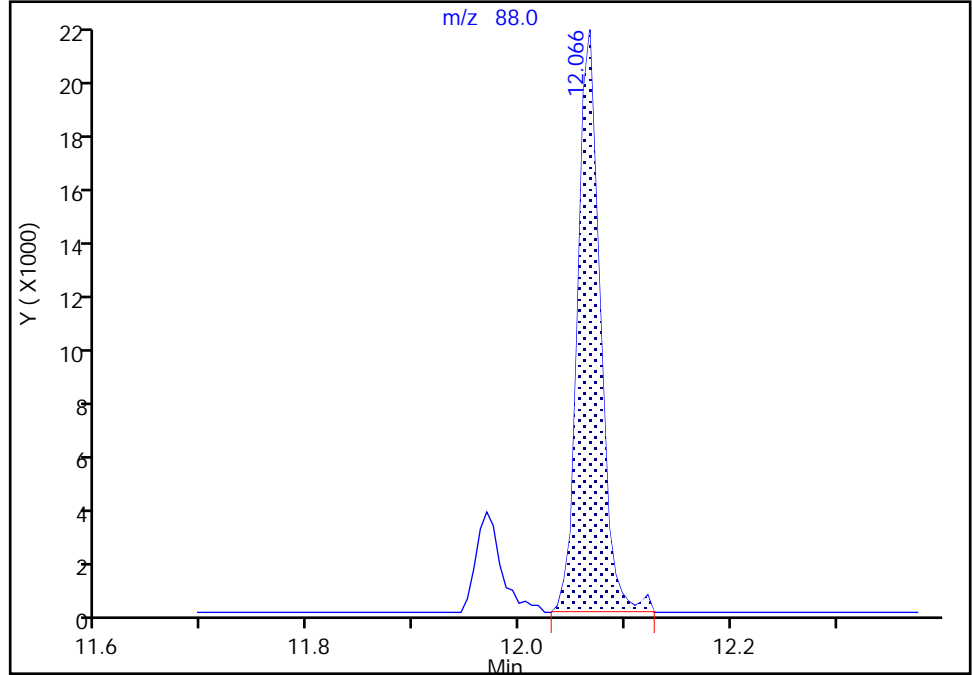
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X08.D
Injection Date: 21-Mar-2023 03:01:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

118 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

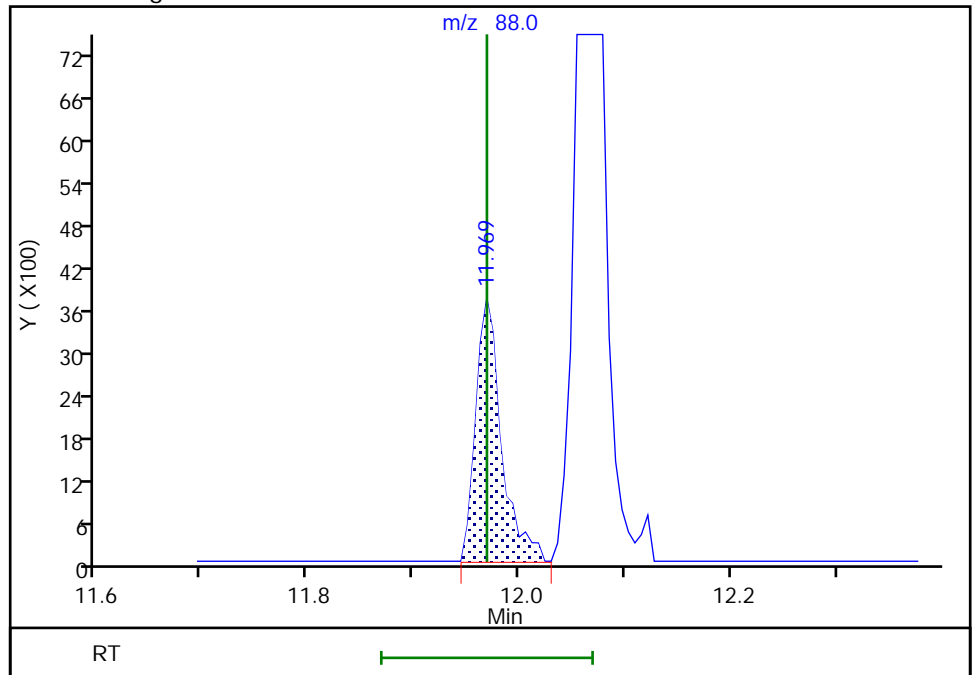
RT: 12.07
Area: 31723
Amount: 1.081482
Amount Units: ug/l

Processing Integration Results



RT: 11.97
Area: 6202
Amount: 0.306742
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:49:01
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

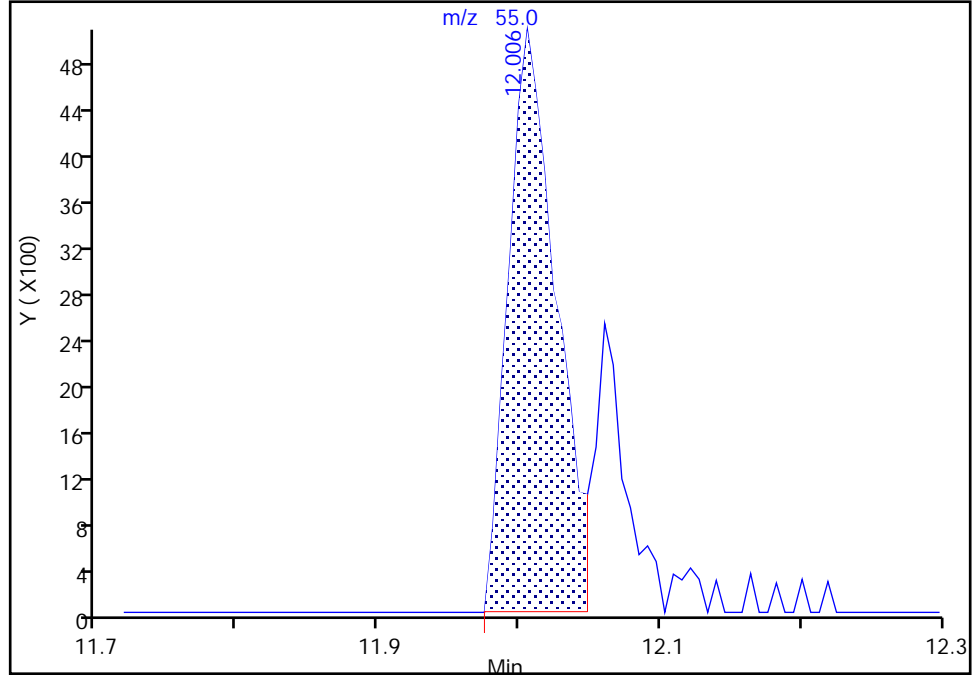
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X08.D
Injection Date: 21-Mar-2023 03:01:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

119 Cyclohexanone, CAS: 108-94-1

Signal: 1

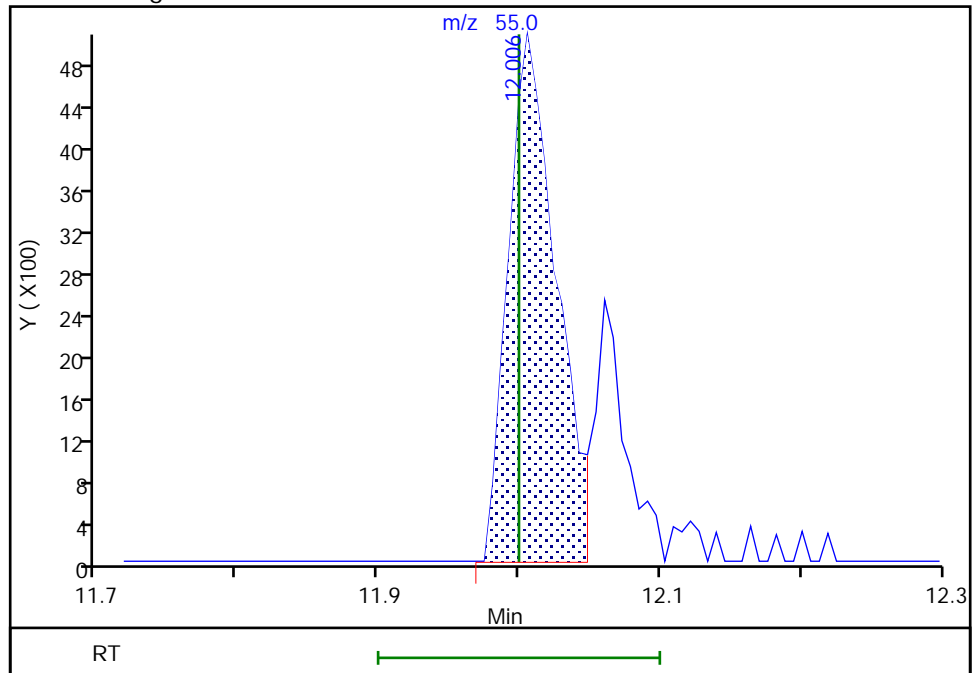
RT: 12.01
Area: 11960
Amount: 11.508112
Amount Units: ug/l

Processing Integration Results



RT: 12.01
Area: 11958
Amount: 11.130418
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:54:08
Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Calibration

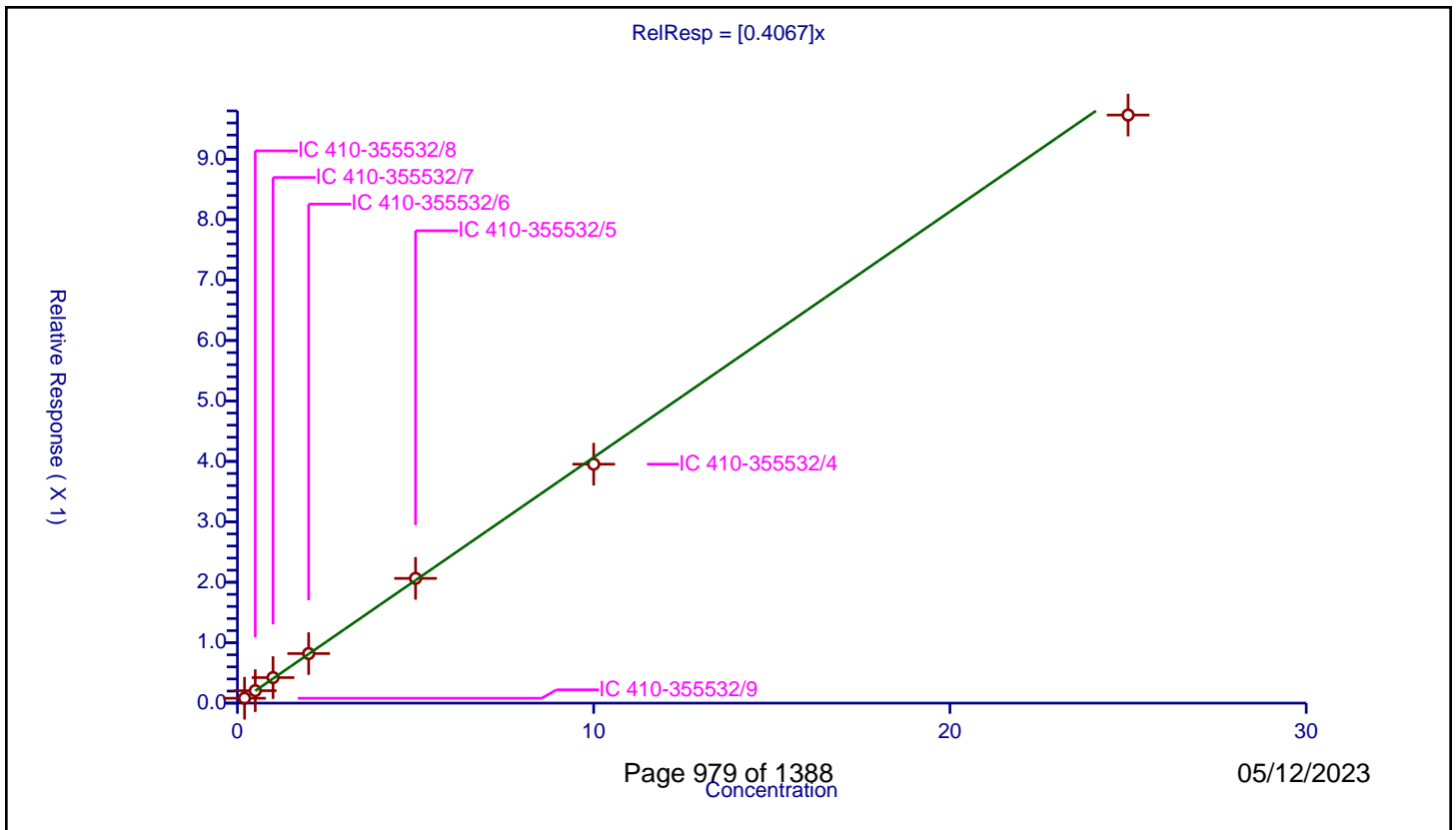
/ Chlorodifluoromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4067

Error Coefficients	
Standard Error:	1010000
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 410-355532/9	0.2	0.080942	10.0	2289791.0	0.404709	Y
2	IC 410-355532/8	0.5	0.206078	10.0	2267293.0	0.412157	Y
3	IC 410-355532/7	1.0	0.42262	10.0	2273293.0	0.42262	Y
4	IC 410-355532/6	2.0	0.819731	10.0	2239063.0	0.409866	Y
5	IC 410-355532/5	5.0	2.06422	10.0	2234583.0	0.412844	Y
6	IC 410-355532/4	10.0	3.953733	10.0	2313272.0	0.395373	Y
7	IC 410-355532/3	25.0	9.731384	10.0	2299711.0	0.389255	Y



Calibration

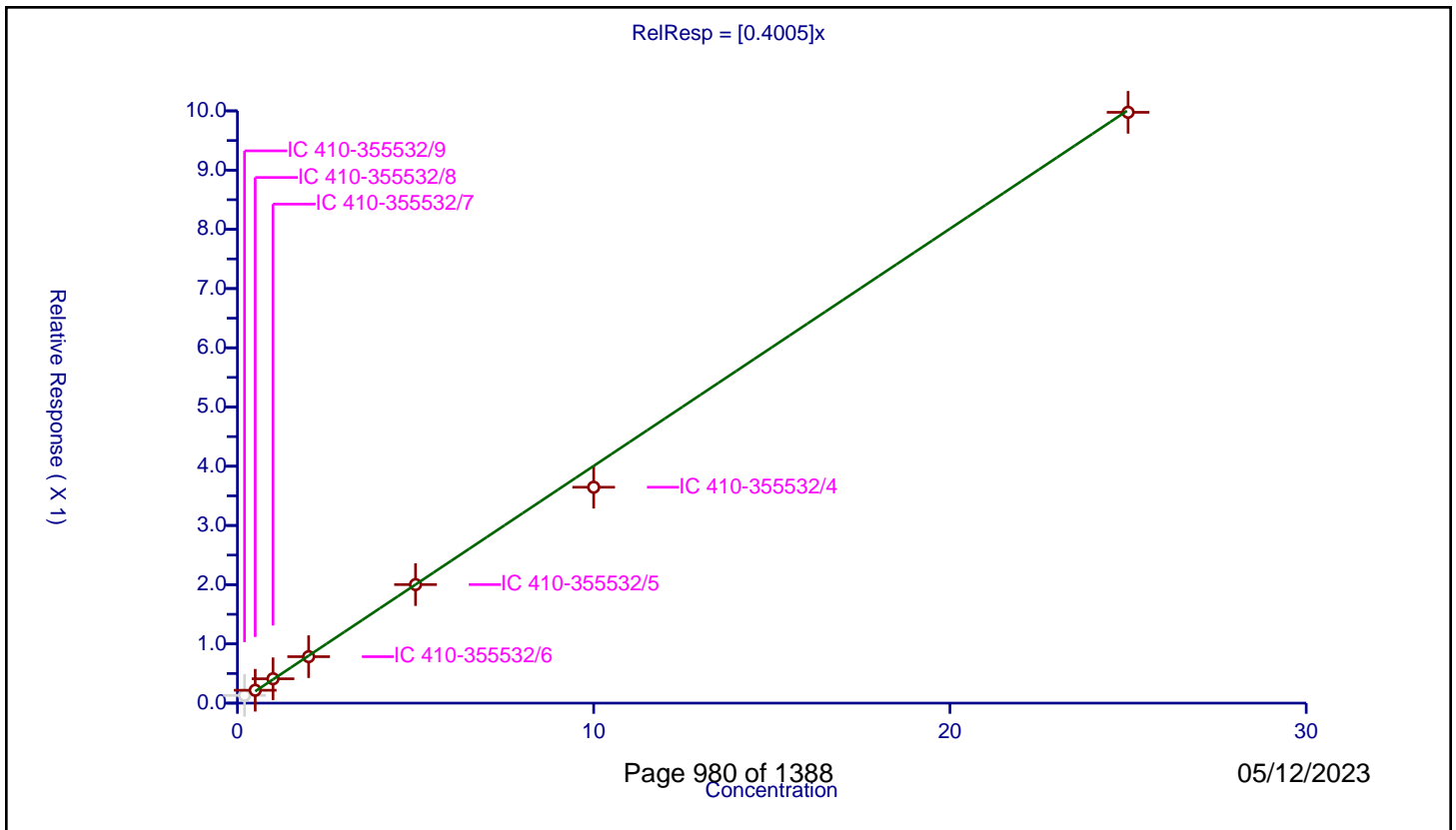
/ Dimethyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.4005

Error Coefficients	
Standard Error:	1120000
Relative Standard Error:	5.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/9	0.2	0.13061	10.0	2289791.0	0.653051	N
2	IC 410-355532/8	0.5	0.217625	10.0	2267293.0	0.43525	Y
3	IC 410-355532/7	1.0	0.411342	10.0	2273293.0	0.411342	Y
4	IC 410-355532/6	2.0	0.784694	10.0	2239063.0	0.392347	Y
5	IC 410-355532/5	5.0	2.002092	10.0	2234583.0	0.400418	Y
6	IC 410-355532/4	10.0	3.645706	10.0	2313272.0	0.364571	Y
7	IC 410-355532/3	25.0	9.975745	10.0	2299711.0	0.39903	Y



Calibration

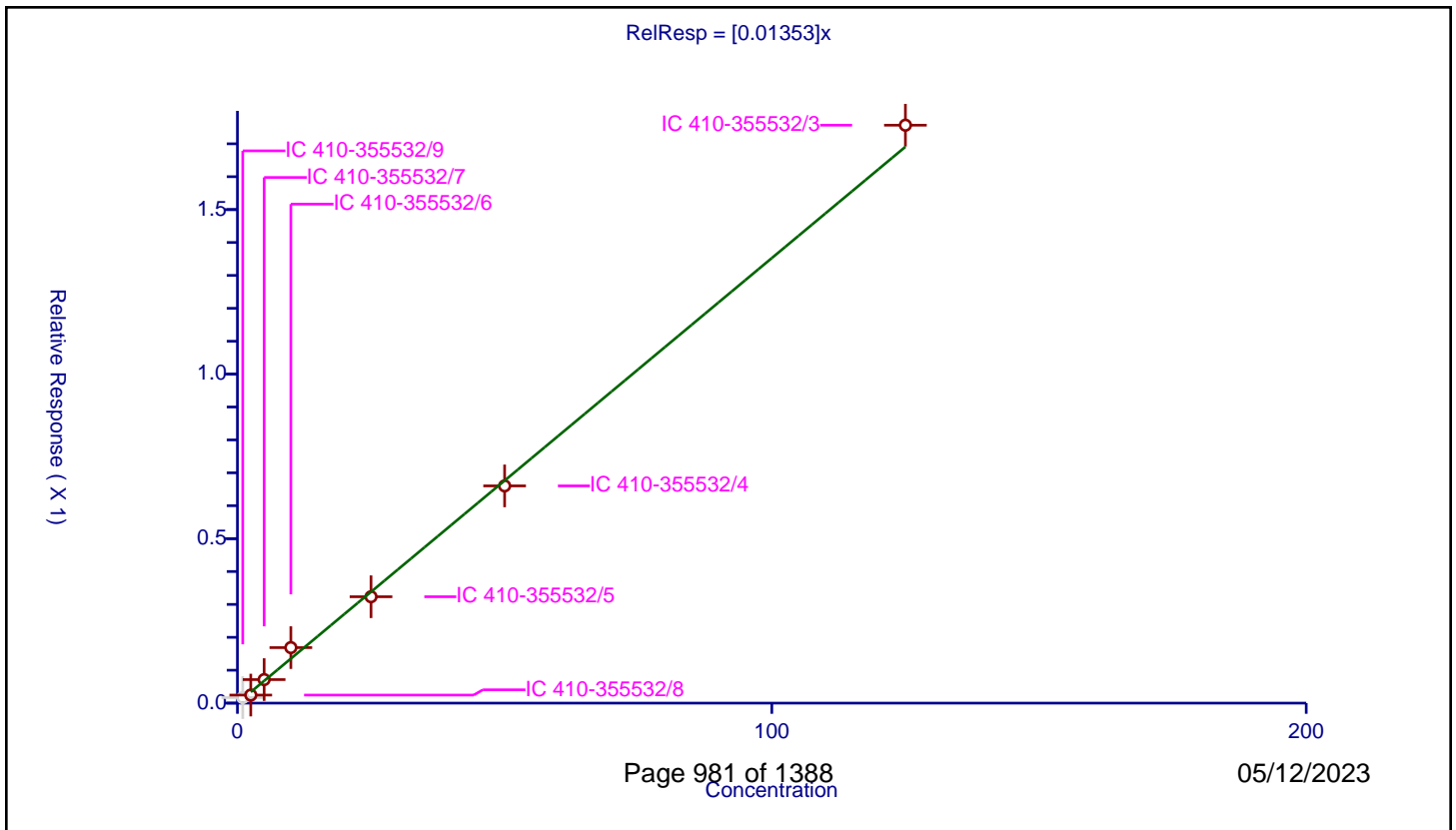
/ Acetonitrile

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

Curve Coefficients	
Intercept:	0
Slope:	0.01353

Error Coefficients	
Standard Error:	197000
Relative Standard Error:	17.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.963

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/9	1.0	0.016875	10.0	2289791.0	0.016875	N
2	IC 410-355532/8	2.5	0.024483	10.0	2267293.0	0.009793	Y
3	IC 410-355532/7	5.0	0.071487	10.0	2273293.0	0.014297	Y
4	IC 410-355532/6	10.0	0.168767	10.0	2239063.0	0.016877	Y
5	IC 410-355532/5	25.0	0.323353	10.0	2234583.0	0.012934	Y
6	IC 410-355532/4	50.0	0.660286	10.0	2313272.0	0.013206	Y
7	IC 410-355532/3	125.0	1.75656	10.0	2299711.0	0.014052	Y



Calibration

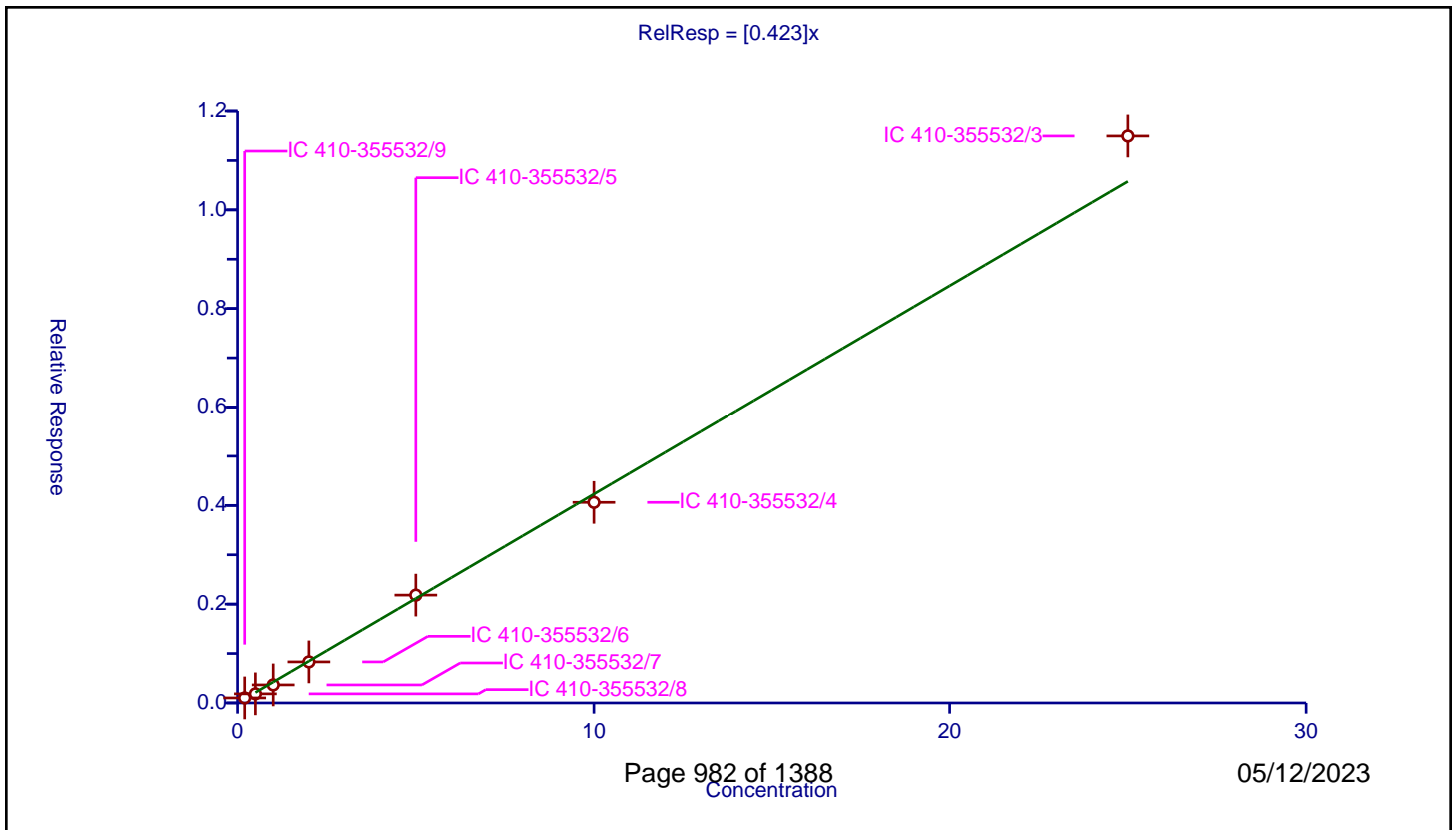
/ Vinyl acetate

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

Curve Coefficients	
Intercept:	0
Slope:	0.423

Error Coefficients	
Standard Error:	1170000
Relative Standard Error:	12.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/9	0.2	0.101874	10.0	2289791.0	0.50937	Y
2	IC 410-355532/8	0.5	0.18448	10.0	2267293.0	0.36896	Y
3	IC 410-355532/7	1.0	0.365043	10.0	2273293.0	0.365043	Y
4	IC 410-355532/6	2.0	0.830615	10.0	2239063.0	0.415308	Y
5	IC 410-355532/5	5.0	2.183056	10.0	2234583.0	0.436611	Y
6	IC 410-355532/4	10.0	4.062103	10.0	2313272.0	0.40621	Y
7	IC 410-355532/3	25.0	11.496179	10.0	2299711.0	0.459847	Y



Calibration

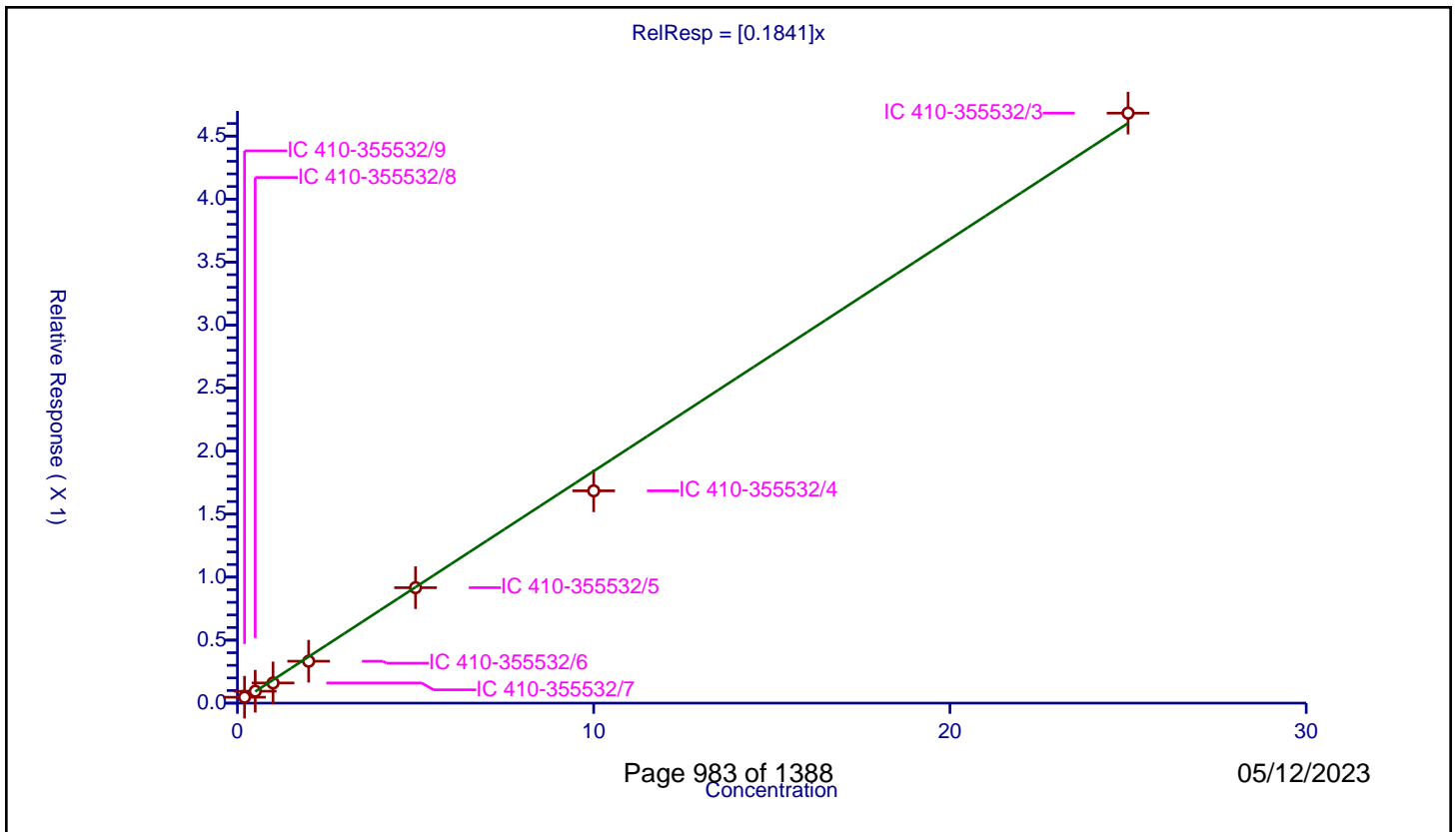
/ Ethyl acetate

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

Curve Coefficients	
Intercept:	0
Slope:	0.1841

Error Coefficients	
Standard Error:	476000
Relative Standard Error:	13.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/9	0.2	0.046847	10.0	2289791.0	0.234235	Y
2	IC 410-355532/8	0.5	0.094589	10.0	2267293.0	0.189177	Y
3	IC 410-355532/7	1.0	0.160063	10.0	2273293.0	0.160063	Y
4	IC 410-355532/6	2.0	0.332505	10.0	2239063.0	0.166253	Y
5	IC 410-355532/5	5.0	0.916225	10.0	2234583.0	0.183245	Y
6	IC 410-355532/4	10.0	1.684856	10.0	2313272.0	0.168486	Y
7	IC 410-355532/3	25.0	4.682119	10.0	2299711.0	0.187285	Y



Calibration

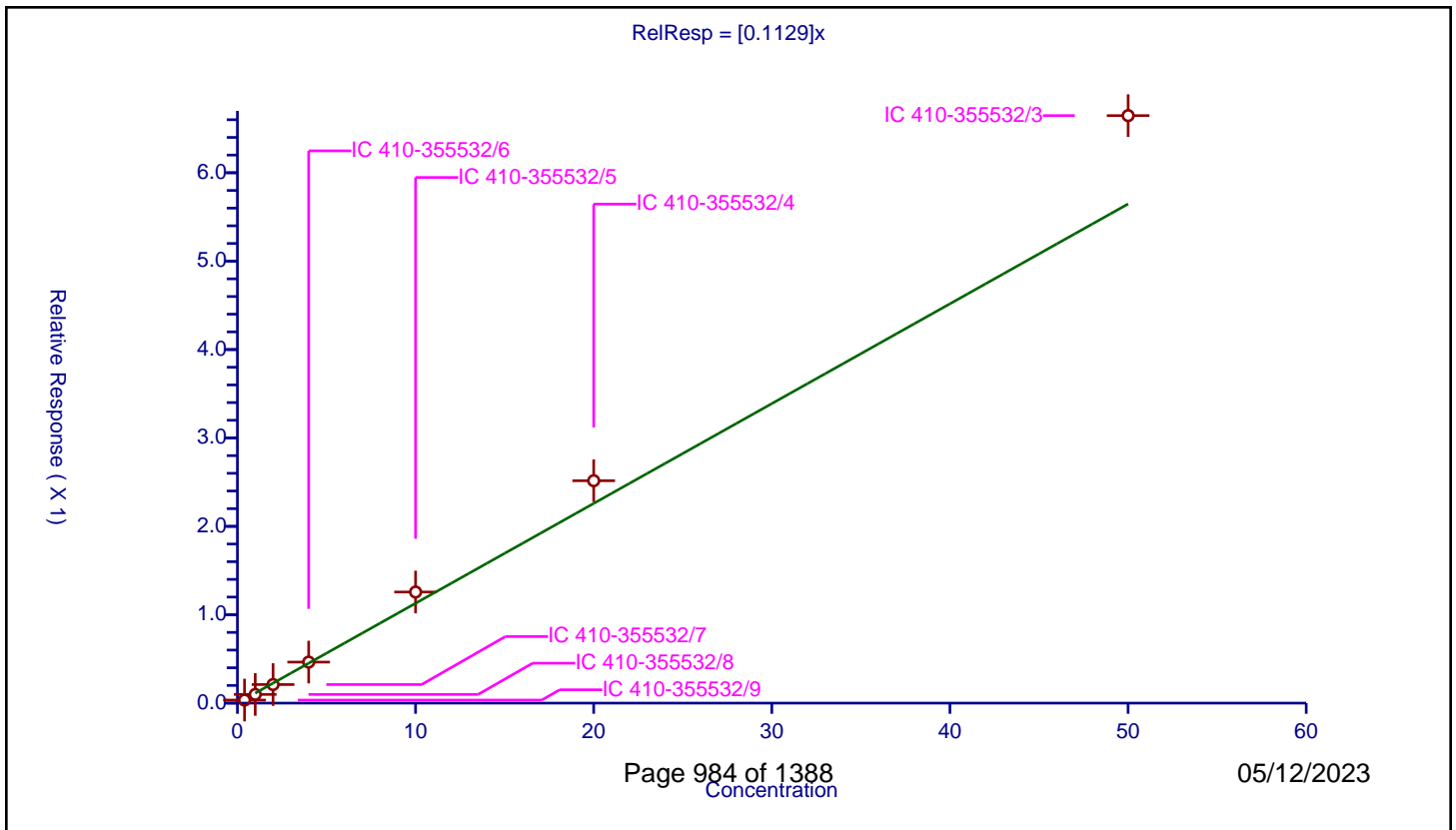
/ cis-1,4-Dichloro-2-butene

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

Curve Coefficients	
Intercept:	0
Slope:	0.1129

Error Coefficients	
Standard Error:	542000
Relative Standard Error:	14.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/9	0.400029	0.034644	10.0	1790184.0	0.086605	Y
2	IC 410-355532/8	1.000073	0.098506	10.0	1772688.0	0.098499	Y
3	IC 410-355532/7	2.000147	0.210233	10.0	1791965.0	0.105109	Y
4	IC 410-355532/6	4.000293	0.464059	10.0	1776972.0	0.116006	Y
5	IC 410-355532/5	10.000734	1.256813	10.0	1744532.0	0.125672	Y
6	IC 410-355532/4	20.001467	2.51607	10.0	1804556.0	0.125794	Y
7	IC 410-355532/3	50.003668	6.646379	10.0	1841869.0	0.132918	Y



Calibration

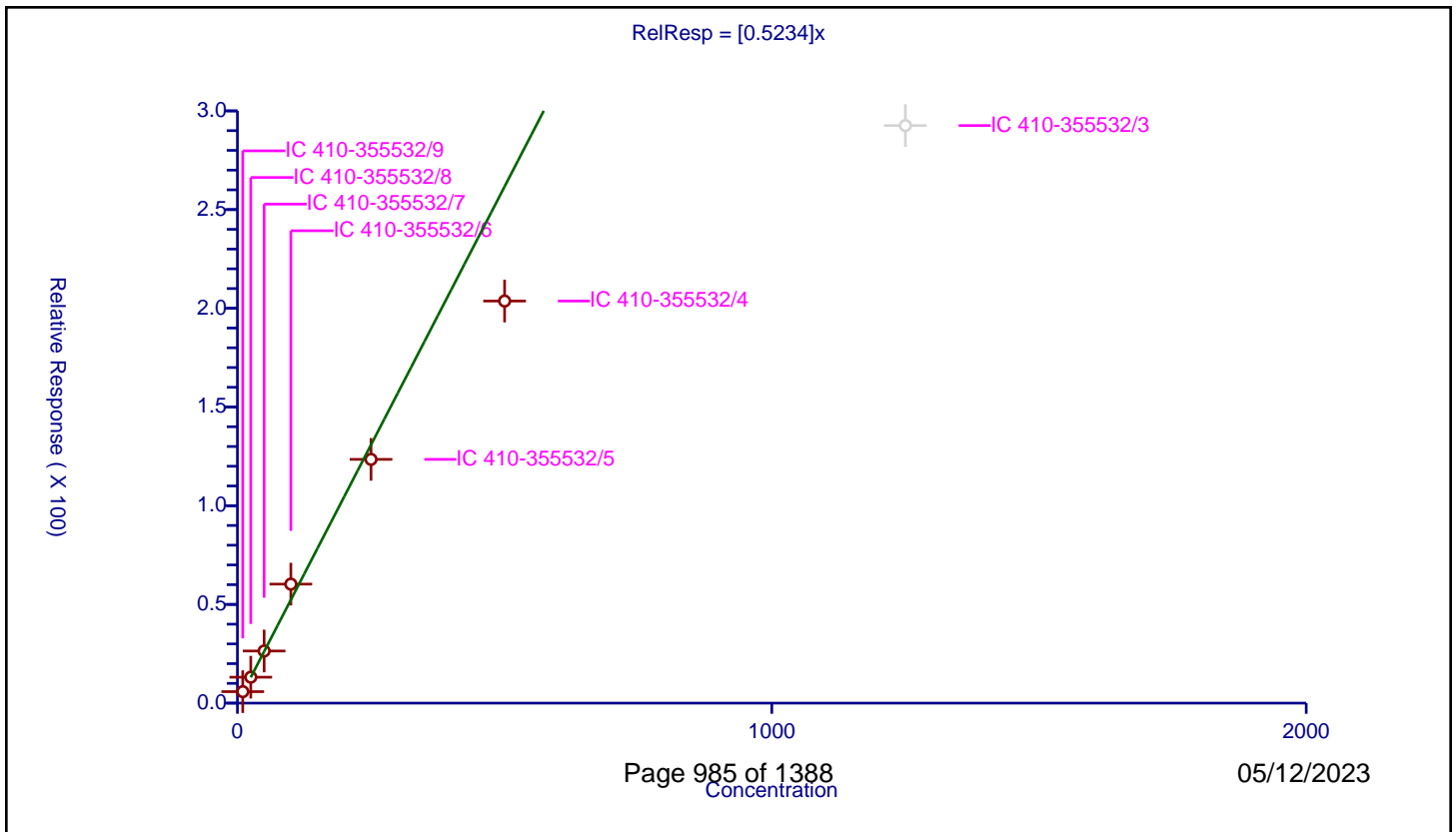
/ Cyclohexanone

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

Curve Coefficients	
Intercept:	0
Slope:	0.5234

Error Coefficients	
Standard Error:	254000
Relative Standard Error:	13.3
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/9	9.9996	5.825555	50.0	102634.0	0.582579	Y
2	IC 410-355532/8	24.999	13.133398	50.0	105384.0	0.525357	Y
3	IC 410-355532/7	49.998	26.41021	50.0	115497.0	0.528225	Y
4	IC 410-355532/6	99.996	60.285165	50.0	114495.0	0.602876	Y
5	IC 410-355532/5	249.99	123.4776	50.0	100647.0	0.49393	Y
6	IC 410-355532/4	499.98	203.679795	50.0	119667.0	0.407376	Y
7	IC 410-355532/3	1249.95	292.568836	50.0	143275.0	0.234064	N



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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-124489-1 Analy Batch No.: 355532
 Environment Testing, LLC

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-355532/18	IM21X17.D
Level 2	IC 410-355532/17	IM21X16.D
Level 3	IC 410-355532/16	IM21X15.D
Level 4	IC 410-355532/15	IM21X14.D
Level 5	IC 410-355532/14	IM21X13.D
Level 6	ICIS 410-355532/13	IM21X12.D
Level 7	IC 410-355532/12	IM21X11.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 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
Dichlorodifluoromethane	0.3742 0.3872	0.3590 0.3636	0.3691	0.3743	0.3813	Ave		0.372 7		0.1000	2.6		20.0				
Chloromethane	0.4537 0.3947	0.4158 0.3730	0.3984	0.4074	0.3852	Ave		0.404 0		0.1000	6.4		20.0				
Vinyl chloride	0.4078 0.3908	0.4000 0.3761	0.3949	0.3955	0.3926	Ave		0.394 0		0.1000	2.5		20.0				
1,3-Butadiene	0.4168 0.3469	0.3668 0.3386	0.3631	0.3483	0.3426	Ave		0.360 4			7.5		20.0				
Bromomethane	0.3175 0.3121	0.3035 0.3028	0.2953	0.3074	0.3006	Ave		0.305 6		0.1000	2.4		20.0				
Chloroethane	0.2424 0.2427	0.2401 0.2331	0.2410	0.2404	0.2366	Ave		0.239 5		0.1000	1.4		20.0				
Dichlorofluoromethane	0.7096 0.6274	0.6531 0.6073	0.6341	0.6340	0.6241	Ave		0.641 4		0.1000	5.2		20.0				
Trichlorofluoromethane	0.6581 0.6748	0.6337 0.5991	0.6275	0.6423	0.6188	Ave		0.636 3		0.1000	3.9		20.0				
Ethyl ether	0.2067 0.2116	0.2049 0.2005	0.2078	0.2177	0.2098	Ave		0.208 4			2.6		20.0				
Freon 123a	0.3821 0.3549	0.3624 0.3377	0.3529	0.3518	0.3480	Ave		0.355 7			3.9		20.0				
Acrolein	2.6184 2.8314	2.4280 2.3185	2.5959	2.9681	2.8117	Ave		2.653 1			8.7		20.0				
1,1-Dichloroethene	0.2622 0.2585	0.2710 0.2550	0.2522	0.2522	0.2521	Ave		0.257 6		0.1000	2.7		20.0				
Freon 113	0.2851 0.3044	0.2908 0.3001	0.2870	0.2917	0.2934	Ave		0.293 2		0.1000	2.4		20.0				

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

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

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	4.3800 2.9678	3.4912 2.3199	3.1587	3.0631	3.0532	Ave		3.204 8		0.1000	19.5		20.0				
Methyl iodide	0.5550 0.5646	0.5841 0.5528	0.5491	0.5457	0.5597	Ave		0.558 7			2.3		20.0				
Carbon disulfide	0.7358 0.7307	0.7512 0.7196	0.7000	0.7062	0.7130	Ave		0.722 4		0.1000	2.5		20.0				
Methyl acetate	15.851 11.037	9.9295 9.1897	10.713	12.507	11.075	Ave		11.47 2		0.1000	19.1		20.0				
Allyl chloride	0.4541 0.4319	0.4617 0.4250	0.4117	0.4227	0.4293	Ave		0.433 8			4.1		20.0				
Methylene Chloride	0.2732 0.2767	0.2815 0.2675	0.2742	0.2717	0.2714	Ave		0.273 7		0.1000	1.6		20.0				
t-Butyl alcohol	1.1005 1.1014	1.2970 0.7890	0.8152	1.0301	1.1608	Ave		1.042 n			17.6		20.0				
Acrylonitrile	2.9523 4.3592	3.7461 3.5509	3.8075	4.5309	4.3317	Ave		3.896 9			14.2		20.0				
Methyl tertiary butyl ether	0.6635 0.6739	0.6756 0.6367	0.6696	0.6475	0.6697	Ave		0.662 4		0.1000	2.2		20.0				
trans-1,2-Dichloroethene	0.3047 0.2856	0.3033 0.2822	0.2885	0.2801	0.2847	Ave		0.289 9		0.1000	3.4		20.0				
n-Hexane	0.3378 0.4091	0.3801 0.3995	0.3758	0.3832	0.3927	Ave		0.382 6			6.0		20.0				
1,1-Dichloroethane	0.5216 0.5312	0.5232 0.5217	0.5218	0.5313	0.5305	Ave		0.525 9		0.2000	0.9		20.0				
di-Isopropyl ether	0.8385 0.8951	0.9014 0.8646	0.8847	0.8738	0.8890	Ave		0.878 1			2.4		20.0				
2-Chloro-1,3-butadiene	0.4224 0.4570	0.4511 0.4560	0.4413	0.4368	0.4536	Ave		0.445 5			2.8		20.0				
Ethyl t-butyl ether	0.5960 0.6231	0.5872 0.5846	0.6388	0.6057	0.6279	Ave		0.609 n			3.5		20.0				
2-Butanone	5.9059 6.4445	5.2245 5.1587	5.7914	6.6337	6.2640	Ave		5.917 5		0.1000	9.7		20.0				
cis-1,2-Dichloroethene	0.3059 0.3193	0.3245 0.3165	0.3197	0.3122	0.3197	Ave		0.316 8		0.1000	1.9		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.: 410-124489-1

Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930

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

Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01

Calibration End Date: 03/21/2023 06:02

Calibration ID: 48558

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R ² OR COD	#	MIN R ² OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2,2-Dichloropropane	0.4770 0.4839	0.4884 0.4784	0.4684	0.4760	0.4757	Ave		0.478 3			1.3		20.0				
Propionitrile	1.0485 1.5953	1.2906 1.3190	1.4222	1.4613	1.4707	Ave		1.372 5			12.8		20.0				
Methacrylonitrile	5.9896 7.0400	5.0783 5.6999	6.0083	7.6633	6.6359	Ave		6.302 2			13.8		20.0				
Bromochloromethane	0.1366 0.1521	0.1556 0.1491	0.1460	0.1429	0.1504	Ave		0.147 5			4.3		20.0				
Tetrahydrofuran	1.7624 1.9655	1.6796 1.5337	1.8593	1.9874	1.9265	Ave		1.816 3			9.2		20.0				
Chloroform	0.5233 0.5464	0.5609 0.5422	0.5379	0.5319	0.5395	Ave		0.540 3		0.2000	2.2		20.0				
1,1,1-Trichloroethane	0.4975 0.5193	0.5168 0.5180	0.4986	0.5103	0.5122	Ave		0.510 4		0.1000	1.8		20.0				
Cyclohexane	0.4781 0.5045	0.4883 0.4962	0.4723	0.4731	0.4860	Ave		0.485 5		0.1000	2.5		20.0				
1,1-Dichloropropene	0.3798 0.4080	0.4033 0.4065	0.3923	0.3925	0.3972	Ave		0.397 1			2.5		20.0				
Carbon tetrachloride	0.4367 0.4961	0.4687 0.4964	0.4569	0.4694	0.4829	Ave		0.472 4		0.1000	4.6		20.0				
Isobutyl alcohol	0.3905 0.4131	0.4437 0.2860	0.3248	0.3479	0.4062	Ave		0.373 2			14.9		20.0				
Benzene	1.1391 1.1616	1.1885 1.1530	1.1542	1.1611	1.1599	Ave		1.159 6		0.5000	1.3		20.0				
1,2-Dichloroethane	0.3750 0.3566	0.3619 0.3436	0.3527	0.3460	0.3537	Ave		0.355 6		0.1000	3.0		20.0				
t-Amyl methyl ether	0.4676 0.4820	0.4353 0.4496	0.4992	0.4758	0.4807	Ave		0.470 n			4.6		20.0				
n-Heptane	0.4147 0.4254	0.3923 0.4188	0.3612	0.3824	0.3970	Ave		0.398 8			5.7		20.0				
n-Butanol	++++ 0.3322	0.2439 0.1981	0.2544	0.2791	0.3125	Ave		0.270 n			18.0		20.0				
Trichloroethene	0.3190 0.3267	0.3413 0.3277	0.3198	0.3279	0.3261	Ave		0.326 9		0.2000	2.2		20.0				

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

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930

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

Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01

Calibration End Date: 03/21/2023 06:02

Calibration ID: 48558

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								
Methylcyclohexane	0.5115 0.5661	0.5429 0.5589	0.5085	0.5390	0.5425	Ave		0.538 5		0.1000	4.0		20.0				
1,2-Dichloropropane	0.2697 0.3000	0.2927 0.2982	0.2915	0.2948	0.2984	Ave		0.292 2		0.1000	3.6		20.0				
Methyl methacrylate	++++ 14.430	9.6187 12.351	10.612	16.265	13.394	Ave		12.77 8			19.2		20.0				
Dibromomethane	0.1390 0.1545	0.1487 0.1527	0.1494	0.1504	0.1518	Ave		0.149 5			3.4		20.0				
1,4-Dioxane	0.0362 0.0983	0.0820 0.0351	0.1162	0.1235	0.0963	Ave		0.084 0		0.0050	42.5	*	20.0				
Bromodichloromethane	0.3626 0.4031	0.3843 0.4018	0.3748	0.3864	0.3981	Ave		0.387 3		0.2000	3.9		20.0				
2-Nitropropane	4.6170 5.0861	3.9973 4.2066	4.0833	5.2811	4.6680	Ave		4.562 8			10.9		20.0				
cis-1,3-Dichloropropene	0.4123 0.4766	0.4217 0.4746	0.4380	0.4457	0.4626	Ave		0.447 4		0.2000	5.6		20.0				
4-Methyl-2-pentanone	16.094 19.899	14.370 16.228	16.343	21.310	18.549	Ave		17.54 2		0.1000	14.0		20.0				
Toluene	0.9707 1.0049	1.0089 0.9911	1.0027	0.9897	0.9797	Ave		0.992 5		0.4000	1.4		20.0				
trans-1,3-Dichloropropene	0.4559 0.5177	0.4548 0.5107	0.4683	0.4701	0.4970	Ave		0.482 1		0.1000	5.4		20.0				
Ethyl methacrylate	0.3524 0.3959	0.3795 0.3879	0.3601	0.3558	0.3872	Ave		0.374 1			4.7		20.0				
1,1,2-Trichloroethane	0.2616 0.2760	0.2790 0.2650	0.2777	0.2716	0.2694	Ave		0.271 5		0.1000	2.4		20.0				
Tetrachloroethene	0.5058 0.5435	0.5531 0.5451	0.5283	0.5302	0.5390	Ave		0.535 0		0.2000	2.9		20.0				
1,3-Dichloropropane	0.4336 0.4541	0.4597 0.4412	0.4483	0.4421	0.4535	Ave		0.447 5			2.0		20.0				
2-Hexanone	10.866 13.871	9.8482 11.453	11.786	14.829	12.963	Ave		12.23 1		0.1000	14.3		20.0				
Dibromochloromethane	0.3506 0.4008	0.3614 0.3941	0.3557	0.3662	0.3881	Ave		0.373 8			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.: 410-124489-1

Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dibromoethane	0.2461 0.2732	0.2645 0.2635	0.2694	0.2589	0.2663	Ave		0.263 1		0.1000	3.3		20.0				
1-Chlorohexane	0.6049 0.5756	0.5970 0.5825	0.5466	0.5423	0.5529	Ave		0.571 7			4.4		20.0				
Chlorobenzene	1.0915 1.1685	1.1750 1.1595	1.1165	1.1224	1.1521	Ave		1.140 8		0.5000	2.7		20.0				
1,1,1,2-Tetrachloroethane	0.3809 0.4387	0.4089 0.4439	0.4172	0.4167	0.4296	Ave		0.419 4			5.0		20.0				
Ethylbenzene	1.8582 1.9580	1.9855 1.9732	1.9037	1.8961	1.9541	Ave		1.932 7		0.1000	2.4		20.0				
m&p-Xylene	0.7029 0.7841	0.7678 0.8029	0.7713	0.7716	0.7906	Ave		0.770 2		0.1000	4.2		20.0				
o-Xylene	0.6986 0.7648	0.7570 0.7900	0.7509	0.7436	0.7660	Ave		0.753 0		0.3000	3.7		20.0				
Styrene	1.0358 1.2547	1.1366 1.2857	1.1067	1.1310	1.2251	Ave		1.168 0		0.3000	7.7		20.0				
Bromoform	0.2239 0.2670	0.2258 0.2701	0.2309	0.2308	0.2565	Ave		0.243 6		0.1000	8.3		20.0				
Isopropylbenzene	1.8424 2.0548	1.9453 2.0698	1.9279	1.9814	2.0144	Ave		1.976 6		0.1000	4.0		20.0				
1,1,2,2-Tetrachloroethane	0.5337 0.5688	0.5683 0.5434	0.5508	0.5326	0.5603	Ave		0.551 1		0.3000	2.8		20.0				
Bromobenzene	0.8286 0.8392	0.8065 0.8401	0.7951	0.8063	0.8443	Ave		0.822 9			2.4		20.0				
trans-1,4-Dichloro-2-butene	6.0532 7.9394	5.1540 7.1108	6.2135	8.5058	7.2718	Ave		6.892 6			16.8		20.0				
1,2,3-Trichloropropane	0.1528 0.1622	0.1589 0.1519	0.1538	0.1499	0.1608	Ave		0.155 8			3.1		20.0				
N-Propylbenzene	3.2196 3.8451	3.6651 3.7105	3.4752	3.5852	3.7831	Ave		3.612 0			5.9		20.0				
2-Chlorotoluene	0.7175 0.8098	0.7730 0.8039	0.7607	0.7882	0.8048	Ave		0.779 7			4.2		20.0				
1,3,5-Trimethylbenzene	2.4425 2.8356	2.6843 2.8058	2.6692	2.7035	2.8035	Ave		2.706 4			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
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

Analy Batch No.: 355532

SDG No.:

Instrument ID: 19930

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

Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01

Calibration End Date: 03/21/2023 06:02

Calibration ID: 48558

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								
4-Chlorotoluene	0.7006 0.8141	0.7692 0.8214	0.7536	0.7758	0.8120	Ave		0.778 1			5.5		20.0				
tert-Butylbenzene	0.6361 0.6988	0.6626 0.6998	0.6388	0.6686	0.6893	Ave		0.670 6			4.0		20.0				
Pentachloroethane	0.4408 0.5749	0.4800 0.5709	0.4933	0.5314	0.5490	Ave		0.520 n			9.7		20.0				
1,2,4-Trimethylbenzene	2.5182 2.9387	2.7372 2.9121	2.6895	2.7700	2.8920	Ave		2.779 7			5.4		20.0				
sec-Butylbenzene	3.1388 3.6833	3.3444 3.5836	3.3044	3.4844	3.5476	Ave		3.440 9			5.5		20.0				
1,3-Dichlorobenzene	1.4540 1.6475	1.4870 1.6607	1.4810	1.5081	1.5849	Ave		1.546 2		0.6000	5.4		20.0				
p-Isopropyltoluene	2.7864 3.3035	2.9475 3.3133	2.9537	3.0237	3.1911	Ave		3.074 2			6.5		20.0				
1,4-Dichlorobenzene	1.4570 1.5725	1.5024 1.5748	1.4495	1.4874	1.5370	Ave		1.511 5		0.5000	3.4		20.0				
1,2,3-Trimethylbenzene	1.2765 1.3128	1.2992 1.3243	1.2159	1.2708	1.2980	Ave		1.285 3			2.8		20.0				
Benzyl chloride	0.1647 0.2482	0.1937 0.2491	0.2091	0.2164	0.2402	Ave		0.217 3			14.4		20.0				
n-Butylbenzene	1.1609 1.5078	1.2278 1.5676	1.2443	1.3104	1.4343	Ave		1.350 4			11.4		20.0				
1,2-Dichlorobenzene	1.3729 1.5462	1.4815 1.5399	1.3893	1.4417	1.5031	Ave		1.467 8		0.4000	4.7		20.0				
1,2-Dibromo-3-Chloropropane	0.0773 0.0980	0.0946 0.0925	0.0919	0.0846	0.0944	Ave		0.090 5		0.0500	7.9		20.0				
1,3,5-Trichlorobenzene	1.0452 1.2547	1.1112 1.2929	1.1236	1.1498	1.2210	Ave		1.171 2			7.5		20.0				
1,2,4-Trichlorobenzene	0.8287 1.0329	0.8846 1.0282	0.8933	0.9354	0.9900	Ave		0.941 9		0.2000	8.3		20.0				
Hexachlorobutadiene	0.5583 0.5615	0.5356 0.5713	0.5082	0.5185	0.5306	Ave		0.540 6			4.4		20.0				
Naphthalene	1.7363 1.8567	1.6832 1.6717	1.7860	1.7149	1.8248	Ave		1.753 4			4.0		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 Job No.: 410-124489-1 Analy Batch No.: 355532
 Environment Testing, LLC

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichlorobenzene	0.8100 0.9170	0.8102 0.8691	0.8453	0.8472	0.8877	Ave		0.855 2			4.6		20.0				
Dibromofluoromethane (Surr)	0.2625 0.2665	0.2665 0.2630	0.2682	0.2628	0.2650	Ave		0.264 9			0.8		20.0				
1,2-Dichloroethane-d4 (Surr)	0.0499 0.0496	0.0513 0.0483	0.0514	0.0509	0.0504	Ave		0.050 3			2.2		20.0				
Toluene-d8 (Surr)	1.2952 1.2832	1.3032 1.2717	1.2875	1.2862	1.2844	Ave		1.287 4			0.8		20.0				
4-Bromofluorobenzene (Surr)	0.4684 0.4714	0.4719 0.4761	0.4685	0.4638	0.4648	Ave		0.469 3			0.9		20.0				

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

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

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-124489-1 Analy Batch No.: 355532

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-355532/18	IM21X17.D
Level 2	IC 410-355532/17	IM21X16.D
Level 3	IC 410-355532/16	IM21X15.D
Level 4	IC 410-355532/15	IM21X14.D
Level 5	IC 410-355532/14	IM21X13.D
Level 6	ICIS 410-355532/13	IM21X12.D
Level 7	IC 410-355532/12	IM21X11.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7				LVL 6	LVL 7			
Dichlorodifluoromethane	FB	Ave	17110 922225	41469 2189447	86495	175844	455174	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloromethane	FB	Ave	20747 940151	48039 2246458	93366	191397	459776	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Vinyl chloride	FB	Ave	18650 930903	46214 2265037	92540	185810	468573	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Butadiene	FB	Ave	19058 826233	42370 2039072	85079	163666	408978	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromomethane	FB	Ave	14521 743346	35058 1823508	69186	144456	358762	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloroethane	FB	Ave	11084 577982	27735 1403631	56481	112973	282374	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dichlorofluoromethane	FB	Ave	32448 1494327	75447 3657101	148598	297881	745004	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Trichlorofluoromethane	FB	Ave	30095 1607262	73208 3607774	147043	301784	738690	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl ether	FB	Ave	9452 503956	23667 1207355	48693	102296	250383	0.200 10.00	0.500 25.0	1.000	2.00	5.00
Freon 123a	FB	Ave	17475 845381	41867 2033587	82703	165285	415383	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acrolein	TBA 10	Ave	66213 3424553	186326 8179515	347847	579612	1760321	10.00 500	25.0 1250	50.0	100.0	250
1,1-Dichloroethene	FB	Ave	11991 615600	31308 1535483	59105	118520	300931	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Freon 113	FB	Ave	13036 725110	33597 1807499	67263	137039	350208	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 Enviro Job No.: 410-124489-1 Analy Batch No.: 35532

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Acetone	TBAd 10	Ave	22153	53587	84658	119641	382327	2.00	5.00	10.0	20.0	50.0
			717958	1636994				100	250			
Methyl iodide	FB	Ave	25378	67478	128674	256394	668087	0.200	0.500	1.00	2.00	5.00
			1344711	3329342				10.0	25.0			
Carbon disulfide	FB	Ave	33647	86787	164019	331819	851050	0.200	0.500	1.00	2.00	5.00
			1740418	4333479				10.0	25.0			
Methyl acetate	TBAd 10	Ave	8017	15241	28713	48849	138687	0.200	0.500	1.00	2.00	5.00
			266996	648459				10.0	25.0			
Allyl chloride	FB	Ave	20765	53339	96478	198621	512382	0.200	0.500	1.00	2.00	5.00
			1028696	2559531				10.0	25.0			
Methylene Chloride	FB	Ave	12493	32518	64247	127652	323924	0.200	0.500	1.00	2.00	5.00
			659101	1610741				10.0	25.0			
t-Butyl alcohol	TBAd 10	Ave	11132	39817	43696	80472	290719	4.00	10.0	20.0	40.0	100
			532907	1113473				200	500			
Acrylonitrile	TBAd 10	Ave	3733	14375	25512	44242	135604	0.500	1.25	2.50	5.00	12.5
			263633	626404				25.0	62.5			
Methyl tertiary butyl ether	FB	Ave	30341	78046	156908	304226	799391	0.200	0.500	1.00	2.00	5.00
			1605079	3834437				10.0	25.0			
trans-1,2-Dichloroethene	FB	Ave	13932	35040	67605	131610	339868	0.200	0.500	1.00	2.00	5.00
			680341	1699518				10.0	25.0			
n-Hexane	FB	Ave	15447	43907	88054	180035	468791	0.200	0.500	1.00	2.00	5.00
			974283	2406168				10.0	25.0			
1,1-Dichloroethane	FB	Ave	23853	60447	122273	249646	633253	0.200	0.500	1.00	2.00	5.00
			1265159	3141696				10.0	25.0			
di-Isopropyl ether	FB	Ave	38342	104135	207307	410537	1061122	0.200	0.500	1.00	2.00	5.00
			2131812	5206924				10.0	25.0			
2-Chloro-1,3-butadiene	FB	Ave	19317	52111	103414	205252	541494	0.200	0.500	1.00	2.00	5.00
			1088422	2745997				10.0	25.0			
Ethyl t-butyl ether	FB	Ave	27255	67835	149693	284598	749516	0.200	0.500	1.00	2.00	5.00
			1484132	3520601				10.0	25.0			
2-Butanone	TBAd 10	Ave	29871	80192	155219	259100	784382	2.00	5.00	10.0	20.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-124489-1 Analy Batch No.: 355532

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

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
			1559003	3640194				100	250			
cis-1,2-Dichloroethene	FB	Ave	13988 760484	37492 1905843	74915	146693	381596	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2,2-Dichloropropane	FB	Ave	21814 1152650	56427 2881260	109766	223631	567765	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Propionitrile	TBAd 10	Ave	10606 771867	39618 1861462	76235	114151	368330	4.00 200	10.0 500	20.0	40.0	100
Methacrylonitrile	TBAd 10	Ave	30294 1703050	77948 4022032	161032	299318	830959	2.00 100	5.00 250	10.0	20.0	50.0
Bromochloromethane	FB	Ave	6246 362331	17972 897716	34201	67134	179484	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrahydrofuran	TBAd 10	Ave	4457 237735	12890 541115	24916	38813	120622	1.00 50.0	2.50 125	5.00	10.0	25.0
Chloroform	FB	Ave	23932 1301472	64800 3265115	126047	249917	643977	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1-Trichloroethane	FB	Ave	22751 1236794	59704 3119313	116847	239759	611388	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Cyclohexane	FB	Ave	21863 1201687	56413 2988278	110675	222305	580173	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloropropene	FB	Ave	17369 971752	46595 2448000	91929	184421	474125	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon tetrachloride	FB	Ave	19970 1181687	54150 2989237	107065	220533	576461	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isobutyl alcohol	TBAd 10	Ave	9875 499620	34050 1009122	43526	67949	254297	10.0 500	25.0 1250	50.0	100	250
Benzene	FB	Ave	52092 2766730	137309 6943624	270461	545546	1384537	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloroethane	FB	Ave	17147 849419	41807 2069077	82648	162578	422172	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Amyl methyl ether	FB	Ave	21381 1148066	50293 2707902	116974	223543	573757	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Heptane	FB	Ave	18966	45320	84633	179673	473866	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 Enviro Job No.: 410-124489-1 Analy Batch No.: 355532

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

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
			1013268	2521926				10.0	25.0			
n-Butanol	TBAd 10	Ave	++++ 703258	32752 1223254	59654	95379	342450	++++ 875	43.8 2188	87.5	175	438
Trichloroethene	FB	Ave	14586 778206	39424 1973657	74939	154058	389301	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylcyclohexane	FB	Ave	23390 1348244	62717 3365809	119159	253260	647571	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloropropane	FB	Ave	12331 714552	33813 1795772	68300	138522	356169	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl methacrylate	TBAd 10	Ave	++++ 349068	14764 871510	28442	63530	167724	++++ 10.0	0.500 25.0	1.00	2.00	5.00
Dibromomethane	FB	Ave	6355 368087	17182 919481	35015	70654	181241	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dioxane	TBAd 10	Ave	915 118927	6296 123866	15576	24121	60319	10.0 500	25.0 1250	50.0	100	250
Bromodichloromethane	FB	Ave	16582 960002	44403 2419702	87831	181572	475184	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Nitropropane	TBAd 10	Ave	11676 615199	30678 1484170	54719	103136	292267	1.00 50.0	2.50 125	5.00	10.0	25.0
cis-1,3-Dichloropropene	FB	Ave	18856 1135243	48720 2858052	102636	209411	552133	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Methyl-2-pentanone	TBAd 10	Ave	81398 4813730	220574 11451372	438008	832319	2322697	2.00 100	5.00 250	10.0	20.0	50.0
Toluene	CBZd 5	Ave	34373 1895806	89746 4797042	182395	365184	923872	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,3-Dichloropropene	CBZd 5	Ave	16145 976681	40458 2471995	85183	173460	468676	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl methacrylate	CBZd 5	Ave	12480	33758	65507	131292	365161	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 Enviro Job No.: 410-124489-1 Analy Batch No.: 355532

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

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
			746956	1877330				10.0	25.0			
1,1,2-Trichloroethane	CBZd 5	Ave	9264	24817	50506	100211	253999	0.200	0.500	1.00	2.00	5.00
			520789	1282563				10.0	25.0			
Tetrachloroethene	CBZd 5	Ave	17910	49201	96104	195634	508265	0.200	0.500	1.00	2.00	5.00
			1025277	2638237				10.0	25.0			
1,3-Dichloropropane	CBZd 5	Ave	15353	40890	81544	163140	427645	0.200	0.500	1.00	2.00	5.00
			856612	2135286				10.0	25.0			
2-Hexanone	TBAd 10	Ave	54958	151162	315875	579187	1623206	2.00	5.00	10.0	20.0	50.0
			3355456	8081494				100	250			
Dibromochloromethane	CBZd 5	Ave	12415	32144	64701	135111	365950	0.200	0.500	1.00	2.00	5.00
			756162	1907545				10.0	25.0			
1,2-Dibromoethane	CBZd 5	Ave	8713	23525	48995	95514	251158	0.200	0.500	1.00	2.00	5.00
			515479	1275224				10.0	25.0			
1-Chlorohexane	CBZd 5	Ave	21421	53107	99428	200092	521339	0.200	0.500	1.00	2.00	5.00
			1085890	2819454				10.0	25.0			
Chlorobenzene	CBZd 5	Ave	38651	104524	203081	414157	1086370	0.200	0.500	1.00	2.00	5.00
			2204397	5612245				10.0	25.0			
1,1,1,2-Tetrachloroethane	CBZd 5	Ave	13488	36378	75882	153746	405063	0.200	0.500	1.00	2.00	5.00
			827659	2148564				10.0	25.0			
Ethylbenzene	CBZd 5	Ave	65799	176617	346280	699641	1842666	0.200	0.500	1.00	2.00	5.00
			3694009	9550470				10.0	25.0			
m&p-Xylene	CBZd 5	Ave	49779	136602	280576	569407	1490951	0.400	1.00	2.00	4.00	10.0
			2958705	7772437				20.0	50.0			
o-Xylene	CBZd 5	Ave	24739	67339	136591	274369	722330	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 Enviro Job No.: 410-124489-1 Analy Batch No.: 355532

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

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
			1442929	3823654				10.0	25.0			
Styrene	CBZd 5	Ave	36677	101109	201308	417331	1155265	0.200	0.500	1.00	2.00	5.00
			2367152	6222891				10.0	25.0			
Bromoform	CBZd 5	Ave	7927	20086	41999	85160	241884	0.200	0.500	1.00	2.00	5.00
			503660	1307321				10.0	25.0			
Isopropylbenzene	CBZd 5	Ave	65240	173040	350685	731109	1899553	0.200	0.500	1.00	2.00	5.00
			3876560	10017939				10.0	25.0			
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	11706	31254	62163	120006	325780	0.200	0.500	1.00	2.00	5.00
			665065	1684823				10.0	25.0			
Bromobenzene	DCBd 4	Ave	18174	44356	89737	181668	490923	0.200	0.500	1.00	2.00	5.00
			981240	2604838				10.0	25.0			
trans-1,4-Dichloro-2-butene	TBAd 10	Ave	30616	79110	166532	332224	910577	2.00	5.00	10.0	20.0	50.0
			1920626	5017664				100	250			
1,2,3-Trichloropropane	DCBd 4	Ave	3351	8741	17353	33764	93500	0.200	0.500	1.00	2.00	5.00
			189700	471063				10.0	25.0			
N-Propylbenzene	DCBd 4	Ave	70616	201563	392220	807760	2199783	0.200	0.500	1.00	2.00	5.00
			4495847	11504700				10.0	25.0			
2-Chlorotoluene	DCBd 4	Ave	15738	42512	85856	177588	467982	0.200	0.500	1.00	2.00	5.00
			946897	2492610				10.0	25.0			
1,3,5-Trimethylbenzene	DCBd 4	Ave	53572	147622	301256	609124	1630191	0.200	0.500	1.00	2.00	5.00
			3315484	8699547				10.0	25.0			
4-Chlorotoluene	DCBd 4	Ave	15367	42302	85059	174789	472147	0.200	0.500	1.00	2.00	5.00
			951822	2546778				10.0	25.0			
tert-Butylbenzene	DCBd 4	Ave	13951	36437	72093	150650	400832	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 Enviro Job No.: 410-124489-1 Analy Batch No.: 355532

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

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
			817068	2169810				10.0	25.0			
Pentachloroethane	DCBd 4	Ave	9669	26396	55674	119732	319216	0.200	0.500	1.00	2.00	5.00
			672224	1770213				10.0	25.0			
1,2,4-Trimethylbenzene	DCBd 4	Ave	55233	150530	303547	624102	1681631	0.200	0.500	1.00	2.00	5.00
			3435975	9029284				10.0	25.0			
sec-Butylbenzene	DCBd 4	Ave	68845	183924	372950	785059	2062828	0.200	0.500	1.00	2.00	5.00
			4306580	11111339				10.0	25.0			
1,3-Dichlorobenzene	DCBd 4	Ave	31892	81779	167155	339776	921590	0.200	0.500	1.00	2.00	5.00
			1926286	5148991				10.0	25.0			
p-Isopropyltoluene	DCBd 4	Ave	61116	162097	333364	681258	1855523	0.200	0.500	1.00	2.00	5.00
			3862618	10273099				10.0	25.0			
1,4-Dichlorobenzene	DCBd 4	Ave	31956	82622	163590	335121	893710	0.200	0.500	1.00	2.00	5.00
			1838618	4882929				10.0	25.0			
1,2,3-Trimethylbenzene	DCBd 4	Ave	27998	71447	137229	286323	754758	0.200	0.500	1.00	2.00	5.00
			1534921	4105948				10.0	25.0			
Benzyl chloride	DCBd 4	Ave	3612	10655	23595	48767	139656	0.200	0.500	1.00	2.00	5.00
			290235	772337				10.0	25.0			
n-Butylbenzene	DCBd 4	Ave	25462	67525	140431	295236	833984	0.200	0.500	1.00	2.00	5.00
			1762970	4860363				10.0	25.0			
1,2-Dichlorobenzene	DCBd 4	Ave	30112	81474	156806	324822	874011	0.200	0.500	1.00	2.00	5.00
			1807906	4774475				10.0	25.0			
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1695	5204	10369	19053	54876	0.200	0.500	1.00	2.00	5.00
			114580	286713				10.0	25.0			
1,3,5-Trichlorobenzene	DCBd 4	Ave	22925	61109	126816	259052	709964	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 Enviro Job No.: 410-124489-1 Analy Batch No.: 355532

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

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
			1467042	4008610				10.0	25.0			
1,2,4-Trichlorobenzene	DCBd 4	Ave	18177	48648	100826	210756	575676	0.200	0.500	1.00	2.00	5.00
			1207739	3188084				10.0	25.0			
Hexachlorobutadiene	DCBd 4	Ave	12245	29455	57361	116814	308531	0.200	0.500	1.00	2.00	5.00
			656545	1771421				10.0	25.0			
Naphthalene	DCBd 4	Ave	38082	92567	201570	386386	1061065	0.200	0.500	1.00	2.00	5.00
			2170950	5183365				10.0	25.0			
1,2,3-Trichlorobenzene	DCBd 4	Ave	17765	44557	95399	190876	516164	0.200	0.500	1.00	2.00	5.00
			1072140	2694710				10.0	25.0			
Dibromofluoromethane (Surr)	FB	Ave	600251	615761	628564	617342	632686	10.0	10.0	10.0	10.0	10.0
			634684	633661				10.0	10.0			
1,2-Dichloroethane-d4 (Surr)	FB	Ave	114034	118620	120346	119524	120327	10.0	10.0	10.0	10.0	10.0
			118206	116302				10.0	10.0			
Toluene-d8 (Surr)	CBZd 5	Ave	2293084	2318546	2341910	2373030	2422302	10.0	10.0	10.0	10.0	10.0
			2420949	2462175				10.0	10.0			
4-Bromofluorobenzene (Surr)	CBZd 5	Ave	829348	839517	852245	855599	876575	10.0	10.0	10.0	10.0	10.0
			889396	921757				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 Enviro Job No.: 410-124489-1 Analy Batch No.: 355532

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-355532/18	IM21X17.D
Level 2	IC 410-355532/17	IM21X16.D
Level 3	IC 410-355532/16	IM21X15.D
Level 4	IC 410-355532/15	IM21X14.D
Level 5	IC 410-355532/14	IM21X13.D
Level 6	ICIS 410-355532/13	IM21X12.D
Level 7	IC 410-355532/12	IM21X11.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	0.4 -2.4	-3.7	-0.9	0.4	2.3	3.9	50 30	30	30	30	30	30
Chloromethane	12.3 -7.7	2.9	-1.4	0.8	-4.7	-2.3	50 30	30	30	30	30	30
Vinyl chloride	3.5 -4.5	1.5	0.2	0.4	-0.4	-0.8	50 30	30	30	30	30	30
1,3-Butadiene	15.6 -6.1	1.8	0.7	-3.4	-4.9	-3.8	50 30	30	30	30	30	30
Bromomethane	3.9 -0.9	-0.7	-3.4	0.6	-1.6	2.1	50 30	30	30	30	30	30
Chloroethane	1.2 -2.7	0.3	0.7	0.4	-1.2	1.3	50 30	30	30	30	30	30
Dichlorofluoromethane	10.6 -5.3	1.8	-1.1	-1.2	-2.7	-2.2	50 30	30	30	30	30	30
Trichlorofluoromethane	3.4 -5.9	-0.4	-1.4	0.9	-2.7	6.0	50 30	30	30	30	30	30
Ethyl ether	-0.8 -3.8	-1.7	-0.3	4.5	0.6	1.5	50 30	30	30	30	30	30
Freon 123a	7.4 -5.1	1.9	-0.8	-1.1	-2.2	-0.2	50 30	30	30	30	30	30
Acrolein	-1.3 -12.6	-8.5	-2.2	11.9	6.0	6.7	50 30	30	30	30	30	30
1,1-Dichloroethene	1.8 -1.0	5.2	-2.1	-2.1	-2.1	0.3	50 30	30	30	30	30	30
Freon 113	-2.8 2.4	-0.8	-2.1	-0.5	0.1	3.8	50 30	30	30	30	30	30
Acetone	36.7 -27.6	8.9	-1.4	-4.4	-4.7	-7.4	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-124489-1 Analy Batch No.: 35532

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Methyl iodide	-0.7 -1.1	4.5	-1.7	-2.3	0.2	1.1	50 30	30	30	30	30	30
Carbon disulfide	1.9 -0.4	4.0	-3.1	-2.2	-1.3	1.2	50 30	30	30	30	30	30
Methyl acetate	38.2 -19.9	-13.4	-6.6	9.0	-3.5	-3.8	50 30	30	30	30	30	30
Allyl chloride	4.7 -2.0	6.4	-5.1	-2.5	-1.0	-0.4	50 30	30	30	30	30	30
Methylene Chloride	-0.2 -2.3	2.8	0.2	-0.7	-0.9	1.1	50 30	30	30	30	30	30
t-Butyl alcohol	5.6 -24.3	24.5	-21.8	-1.1	11.4	5.7	50 30	30	30	30	30	30
Acrylonitrile	-24.2 -8.9	-3.9	-2.3	16.3	11.2	11.9	50 30	30	30	30	30	30
Methyl tertiary butyl ether	0.2 -3.9	2.0	1.1	-2.2	1.1	1.7	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	5.1 -2.6	4.6	-0.5	-3.4	-1.8	-1.5	50 30	30	30	30	30	30
n-Hexane	-11.7 4.4	-0.7	-1.8	0.2	2.7	6.9	50 30	30	30	30	30	30
1,1-Dichloroethane	-0.8 -0.8	-0.5	-0.8	1.0	0.9	1.0	50 30	30	30	30	30	30
di-Isopropyl ether	-4.5 -1.5	2.6	0.7	-0.5	1.2	1.9	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-5.2 2.4	1.3	-0.9	-1.9	1.8	2.6	50 30	30	30	30	30	30
Ethyl t-butyl ether	-2.1 -4.0	-3.6	4.9	-0.5	3.1	2.3	50 30	30	30	30	30	30
2-Butanone	-0.2 -12.8	-11.7	-2.1	12.1	5.9	8.9	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	-3.5 -0.1	2.4	0.9	-1.5	0.9	0.8	50 30	30	30	30	30	30
2,2-Dichloropropane	-0.3 0.0	2.1	-2.1	-0.5	-0.5	1.2	50 30	30	30	30	30	30
Propionitrile	-23.6 -3.9	-6.0	3.6	6.5	7.2	16.2	50 30	30	30	30	30	30
Methacrylonitrile	-5.0 -9.6	-19.4	-4.7	21.6	5.3	11.7	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 Enviro Job No.: 410-124489-1 Analy Batch No.: 355532

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Bromochloromethane	-7.4 1.1	5.5	-1.1	-3.1	1.9	3.1	50 30	30	30	30	30	30
Tetrahydrofuran	-3.0 -15.6	-7.5	2.4	9.4	6.1	8.2	50 30	30	30	30	30	30
Chloroform	-3.1 0.3	3.8	-0.4	-1.6	-0.1	1.1	50 30	30	30	30	30	30
1,1,1-Trichloroethane	-2.5 1.5	1.3	-2.3	0.0	0.4	1.7	50 30	30	30	30	30	30
Cyclohexane	-1.5 2.2	0.6	-2.7	-2.6	0.1	3.9	50 30	30	30	30	30	30
1,1-Dichloropropene	-4.3 2.4	1.6	-1.2	-1.2	0.0	2.7	50 30	30	30	30	30	30
Carbon tetrachloride	-7.6 5.1	-0.8	-3.3	-0.7	2.2	5.0	50 30	30	30	30	30	30
Isobutyl alcohol	4.6 -23.4	18.9	-13.0	-6.8	8.8	10.7	50 30	30	30	30	30	30
Benzene	-1.8 -0.6	2.5	-0.5	0.1	0.0	0.2	50 30	30	30	30	30	30
1,2-Dichloroethane	5.4 -3.4	1.8	-0.8	-2.7	-0.5	0.3	50 30	30	30	30	30	30
t-Amyl methyl ether	-0.5 -4.3	-7.4	6.2	1.2	2.3	2.6	50 30	30	30	30	30	30
n-Heptane	4.0 5.0	-1.6	-9.4	-4.1	-0.5	6.7	50 30	30	30	30	30	30
n-Butanol	++++ -26.6	-9.7	-5.8	3.3	15.7	23.0	30	50	30	30	30	30
Trichloroethene	-2.4 0.2	4.4	-2.2	0.3	-0.2	-0.1	50 30	30	30	30	30	30
Methylcyclohexane	-5.0 3.8	0.8	-5.6	0.1	0.7	5.1	50 30	30	30	30	30	30
1,2-Dichloropropane	-7.7 2.1	0.2	-0.2	0.9	2.1	2.7	50 30	30	30	30	30	30
Methyl methacrylate	++++ -3.3	-24.7	-17.0	27.3	4.8	12.9	30	50	30	30	30	30
Dibromomethane	-7.0 2.1	-0.5	-0.1	0.6	1.6	3.4	50 30	30	30	30	30	30
1,4-Dioxane	-56.9 * -58.2 *	-2.3	38.4 *	47.1 *	14.7	17.1	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-124489-1 Analy Batch No.: 35532

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Bromodichloromethane	-6.4 3.7	-0.8	-3.2	-0.2	2.8	4.1	50 30	30	30	30	30	30
2-Nitropropane	1.2 -7.8	-12.4	-10.5	15.7	2.3	11.5	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-7.8 6.1	-5.7	-2.1	-0.4	3.4	6.5	50 30	30	30	30	30	30
4-Methyl-2-pentanone	-8.3 -7.5	-18.1	-6.8	21.5	5.7	13.4	50 30	30	30	30	30	30
Toluene	-2.2 -0.1	1.6	1.0	-0.3	-1.3	1.2	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-5.4 5.9	-5.7	-2.9	-2.5	3.1	7.4	50 30	30	30	30	30	30
Ethyl methacrylate	-5.8 3.7	1.4	-3.7	-4.9	3.5	5.8	50 30	30	30	30	30	30
1,1,2-Trichloroethane	-3.6 -2.4	2.8	2.3	0.0	-0.8	1.7	50 30	30	30	30	30	30
Tetrachloroethene	-5.5 1.9	3.4	-1.2	-0.9	0.7	1.6	50 30	30	30	30	30	30
1,3-Dichloropropane	-3.1 -1.4	2.7	0.2	-1.2	1.3	1.5	50 30	30	30	30	30	30
2-Hexanone	-11.2 -6.4	-19.5	-3.6	21.2	6.0	13.4	50 30	30	30	30	30	30
Dibromochloromethane	-6.2 5.4	-3.3	-4.8	-2.1	3.8	7.2	50 30	30	30	30	30	30
1,2-Dibromoethane	-6.5 0.1	0.5	2.4	-1.6	1.2	3.8	50 30	30	30	30	30	30
1-Chlorohexane	5.8 1.9	4.4	-4.4	-5.1	-3.3	0.7	50 30	30	30	30	30	30
Chlorobenzene	-4.3 1.6	3.0	-2.1	-1.6	1.0	2.4	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-9.2 5.8	-2.5	-0.5	-0.7	2.4	4.6	50 30	30	30	30	30	30
Ethylbenzene	-3.9 2.1	2.7	-1.5	-1.9	1.1	1.3	50 30	30	30	30	30	30
m&p-Xylene	-8.7 4.3	-0.3	0.1	0.2	2.6	1.8	50 30	30	30	30	30	30
o-Xylene	-7.2 4.9	0.5	-0.3	-1.3	1.7	1.6	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 Enviro Job No.: 410-124489-1 Analy Batch No.: 35532

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Styrene	-11.3 10.1	-2.7	-5.2	-3.2	4.9	7.4	50 30	30	30	30	30	30
Bromoform	-8.1 10.9	-7.3	-5.2	-5.2	5.3	9.6	50 30	30	30	30	30	30
Isopropylbenzene	-6.8 4.7	-1.6	-2.5	0.2	1.9	4.0	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-3.2 -1.4	3.1	-0.1	-3.4	1.7	3.2	50 30	30	30	30	30	30
Bromobenzene	0.7 2.1	-2.0	-3.4	-2.0	2.6	2.0	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-12.2 3.2	-25.2	-9.9	23.4	5.5	15.2	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-1.9 -2.5	2.0	-1.3	-3.8	3.2	4.2	50 30	30	30	30	30	30
N-Propylbenzene	-10.9 2.7	1.5	-3.8	-0.7	4.7	6.5	50 30	30	30	30	30	30
2-Chlorotoluene	-8.0 3.1	-0.9	-2.4	1.1	3.2	3.9	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-9.7 3.7	-0.8	-1.4	-0.1	3.6	4.8	50 30	30	30	30	30	30
4-Chlorotoluene	-10.0 5.6	-1.1	-3.1	-0.3	4.4	4.6	50 30	30	30	30	30	30
tert-Butylbenzene	-5.1 4.4	-1.2	-4.7	-0.3	2.8	4.2	50 30	30	30	30	30	30
Pentachloroethane	-15.2 9.8	-7.7	-5.1	2.2	5.6	10.6	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-9.4 4.8	-1.5	-3.2	-0.3	4.0	5.7	50 30	30	30	30	30	30
sec-Butylbenzene	-8.8 4.1	-2.8	-4.0	1.3	3.1	7.0	50 30	30	30	30	30	30
1,3-Dichlorobenzene	-6.0 7.4	-3.8	-4.2	-2.5	2.5	6.6	50 30	30	30	30	30	30
p-Isopropyltoluene	-9.4 7.8	-4.1	-3.9	-1.6	3.8	7.5	50 30	30	30	30	30	30
1,4-Dichlorobenzene	-3.6 4.2	-0.6	-4.1	-1.6	1.7	4.0	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-0.7 3.0	1.1	-5.4	-1.1	1.0	2.1	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-124489-1 Analy Batch No.: 355532

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2023 04:01 Calibration End Date: 03/21/2023 06:02 Calibration ID: 48558

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
Benzyl chloride	-24.2 14.6	-10.9	-3.8	-0.4	10.5	14.2	50 30	30	30	30	30	30
n-Butylbenzene	-14.0 16.1	-9.1	-7.9	-3.0	6.2	11.7	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-6.5 4.9	0.9	-5.3	-1.8	2.4	5.3	50 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	-14.6 2.2	4.6	1.6	-6.5	4.3	8.3	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-10.8 10.4	-5.1	-4.1	-1.8	4.3	7.1	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-12.0 9.2	-6.1	-5.2	-0.7	5.1	9.7	50 30	30	30	30	30	30
Hexachlorobutadiene	3.3 5.7	-0.9	-6.0	-4.1	-1.8	3.9	50 30	30	30	30	30	30
Naphthalene	-1.0 -4.7	-4.0	1.9	-2.2	4.1	5.9	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-5.3 1.6	-5.3	-1.2	-0.9	3.8	7.2	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	-0.9 -0.7	0.6	1.2	-0.8	0.0	0.6	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	-0.8 -3.9	2.2	2.2	1.2	0.3	-1.2	50 30	30	30	30	30	30
Toluene-d8 (Surr)	0.6 -1.2	1.2	0.0	-0.1	-0.2	-0.3	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-0.2 1.5	0.6	-0.2	-1.2	-1.0	0.5	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X11.D
 Lims ID: IC std7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 21-Mar-2023 04:01:30 ALS Bottle#: 11 Worklist Smp#: 12
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0079468-012
 Operator ID: mec29284 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub2
 Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 21-Mar-2023 17:37:31 Calib Date: 21-Mar-2023 06:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1651

First Level Reviewer: K4WN

Date: 21-Mar-2023 15:42:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.898	1.898	0.000	99	2189447	25.0	24.4	
4 Chloromethane	50	2.099	2.087	0.012	99	2246458	25.0	23.1	
5 Vinyl chloride	62	2.209	2.203	0.006	98	2265037	25.0	23.9	
6 Butadiene	39	2.215	2.209	0.006	95	2039072	25.0	23.5	
7 Bromomethane	94	2.532	2.526	0.006	92	1823508	25.0	24.8	
8 Chloroethane	64	2.611	2.599	0.012	99	1403631	25.0	24.3	
9 Dichlorofluoromethane	67	2.843	2.837	0.006	98	3657101	25.0	23.7	
10 Trichlorofluoromethane	101	2.910	2.898	0.012	98	3607774	25.0	23.5	
11 Ethyl ether	59	3.141	3.135	0.006	92	1207355	25.0	24.0	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.233	3.227	0.006	89	2033587	25.0	23.7	
14 Acrolein	56	3.300	3.306	-0.006	99	8179515	1249.9	1092.3	
15 1,1-Dichloroethene	96	3.446	3.434	0.012	98	1535483	25.0	24.7	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.489	3.477	0.012	91	1807499	25.0	25.6	
16 Acetone	43	3.470	3.477	-0.007	98	1636994	250.0	181.0	
18 Iodomethane	142	3.635	3.629	0.006	100	3329342	25.0	24.7	
19 Ethyl bromide	108	3.659	3.660	-0.001	100	1427207	25.0	24.6	
20 Carbon disulfide	76	3.745	3.733	0.012	100	4333479	25.0	24.9	
23 Methyl acetate	43	3.873	3.879	-0.006	97	648459	25.0	20.0	M
24 3-Chloro-1-propene	41	3.903	3.897	0.006	88	2559531	25.0	24.5	
25 Methylene Chloride	84	4.086	4.086	0.000	93	1610741	25.0	24.4	
* 26 t-Butyl alcohol-d10 (IS)	65	4.147	4.166	-0.019	99	141127	50.0	50.0	
27 2-Methyl-2-propanol	59	4.239	4.263	-0.024	99	1113473	500.0	378.6	
28 Acrylonitrile	53	4.415	4.416	-0.001	96	626404	62.5	56.9	
29 Methyl tert-butyl ether	73	4.482	4.477	0.005	97	3834437	25.0	24.0	
30 trans-1,2-Dichloroethene	96	4.495	4.495	0.000	98	1699518	25.0	24.3	
31 Hexane	57	4.921	4.915	0.006	95	2406168	25.0	26.1	
32 1,1-Dichloroethane	63	5.153	5.147	0.006	96	3141696	25.0	24.8	
35 Isopropyl ether	45	5.220	5.214	0.006	91	5206924	25.0	24.6	
36 2-Chloro-1,3-butadiene	53	5.263	5.263	0.000	94	2745997	25.0	25.6	
37 Tert-butyl ethyl ether	59	5.751	5.751	0.000	97	3520601	25.0	24.0	
38 2-Butanone (MEK)	43	5.952	5.958	-0.006	100	3640194	250.0	217.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 cis-1,2-Dichloroethene	96	5.988	5.982	0.006	83	1905843	25.0	25.0	
40 2,2-Dichloropropane	77	6.007	5.995	0.012	88	2881260	25.0	25.0	
43 Propionitrile	54	6.049	6.056	-0.007	98	1861462	500.0	480.5	
S 41 1,2-Dichloroethene, Total	100				0			49.3	
45 Methacrylonitrile	67	6.257	6.244	0.013	93	4022032	250.0	226.1	
46 Chlorobromomethane	128	6.324	6.318	0.006	90	897716	25.0	25.3	
47 Tetrahydrofuran	71	6.336	6.330	0.006	79	541115	125.0	105.5	
48 Chloroform	83	6.470	6.464	0.006	94	3265115	25.0	25.1	
\$ 49 Dibromofluoromethane (Surr)	113	6.683	6.677	0.006	94	633661	10.0	9.93	
50 1,1,1-Trichloroethane	97	6.695	6.690	0.005	99	3119313	25.0	25.4	
51 Cyclohexane	56	6.799	6.793	0.006	92	2988278	25.0	25.6	
53 1,1-Dichloropropene	75	6.909	6.903	0.006	92	2448000	25.0	25.6	
54 Carbon tetrachloride	117	6.909	6.909	0.000	95	2989237	25.0	26.3	
55 Isobutyl alcohol	41	7.080	7.092	-0.012	94	1009122	1250.0	958.1	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.141	7.135	0.005	76	116302	10.0	9.61	
57 Benzene	78	7.171	7.165	0.006	97	6943624	25.0	24.9	
58 1,2-Dichloroethane	62	7.238	7.238	0.000	97	2069077	25.0	24.2	
60 Tert-amyl methyl ether	73	7.366	7.354	0.012	98	2707902	25.0	23.9	
* 61 Fluorobenzene (IS)	96	7.573	7.567	0.006	99	2408929	10.0	10.0	
62 n-Heptane	43	7.586	7.580	0.006	90	2521926	25.0	26.2	
63 n-Butanol	56	7.982	7.976	0.006	91	1223254	2187.5	1604.9	
64 Trichloroethene	95	8.055	8.049	0.006	96	1973657	25.0	25.1	
65 Methylcyclohexane	83	8.360	8.360	0.000	91	3365809	25.0	25.9	
66 1,2-Dichloropropane	63	8.384	8.378	0.006	90	1795772	25.0	25.5	
67 Methyl methacrylate	69	8.470	8.464	0.006	89	871510	25.0	24.2	
69 Dibromomethane	93	8.494	8.488	0.006	92	919481	25.0	25.5	
68 1,4-Dioxane	88	8.530	8.537	-0.007	79	123866	1250.0	522.7	M
71 Dichlorobromomethane	83	8.726	8.726	0.000	98	2419702	25.0	25.9	
72 2-Nitropropane	41	8.994	8.994	0.000	100	1484170	125.0	115.2	
75 1-Bromo-2-chloroethane	63	9.122	9.122	0.000	99	1652054	25.0	24.9	
76 cis-1,3-Dichloropropene	75	9.280	9.280	0.000	94	2858052	25.0	26.5	
77 4-Methyl-2-pentanone (MIBK)	43	9.457	9.451	0.006	97	11451372	250.0	231.3	
\$ 78 Toluene-d8 (Surr)	98	9.591	9.591	0.000	94	2462175	10.0	9.88	
79 Toluene	92	9.671	9.671	-0.001	98	4797042	25.0	25.0	
97 trans-1,3-Dichloropropene	75	9.933	9.933	0.000	96	2471995	25.0	26.5	
99 Ethyl methacrylate	69	9.994	9.994	0.000	89	1877330	25.0	25.9	
S 98 1,3-Dichloropropene, Total	100				0			53.0	
100 1,1,2-Trichloroethane	97	10.134	10.134	0.000	92	1282563	25.0	24.4	
101 Tetrachloroethene	166	10.231	10.225	0.006	98	2638237	25.0	25.5	
102 1,3-Dichloropropane	76	10.298	10.299	-0.001	92	2135286	25.0	24.6	
103 2-Hexanone	43	10.353	10.353	0.000	97	8081494	250.0	234.1	
105 Chlorodibromomethane	129	10.518	10.518	0.000	90	1907545	25.0	26.4	
106 Ethylene Dibromide	107	10.628	10.628	0.000	98	1275224	25.0	25.0	
* 107 Chlorobenzene-d5 (IS)	117	11.060	11.061	-0.001	86	1936058	10.0	10.0	
108 1-Chlorohexane	91	11.073	11.073	0.000	97	2819454	25.0	25.5	
109 Chlorobenzene	112	11.091	11.091	0.000	96	5612245	25.0	25.4	
111 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	95	2148564	25.0	26.5	
112 Ethylbenzene	91	11.176	11.176	0.000	98	9550470	25.0	25.5	
S 110 Xylenes, Total	106				0			78.4	
113 m-Xylene & p-Xylene	106	11.292	11.292	0.000	93	7772437	50.0	52.1	
114 o-Xylene	106	11.621	11.621	0.000	96	3823654	25.0	26.2	
115 Styrene	104	11.634	11.634	0.000	95	6222891	25.0	27.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 Bromoform	173	11.792	11.792	0.000	97	1307321	25.0	27.7	
117 Isopropylbenzene	105	11.920	11.920	0.000	96	10017939	25.0	26.2	
\$ 120 4-Bromofluorobenzene (Surr)	95	12.066	12.067	-0.001	96	921757	10.0	10.1	
121 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	94	1684823	25.0	24.6	
122 Bromobenzene	156	12.182	12.182	0.000	98	2604838	25.0	25.5	
123 trans-1,4-Dichloro-2-butene	53	12.188	12.188	0.000	95	5017664	250.0	257.9	
124 1,2,3-Trichloropropane	110	12.213	12.213	0.000	83	471063	25.0	24.4	
125 N-Propylbenzene	91	12.249	12.249	0.000	98	11504700	25.0	25.7	
126 2-Chlorotoluene	126	12.329	12.329	0.000	97	2492610	25.0	25.8	
127 1,3,5-Trimethylbenzene	105	12.389	12.384	0.005	95	8699547	25.0	25.9	
128 4-Chlorotoluene	126	12.420	12.420	0.000	97	2546778	25.0	26.4	
129 tert-Butylbenzene	134	12.627	12.627	0.000	93	2169810	25.0	26.1	
130 Pentachloroethane	167	12.664	12.664	0.000	92	1770213	25.0	27.4	
131 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	9029284	25.0	26.2	
132 sec-Butylbenzene	105	12.792	12.792	0.000	95	11111339	25.0	26.0	
133 1,3-Dichlorobenzene	146	12.889	12.890	-0.001	99	5148991	25.0	26.9	
134 4-Isopropyltoluene	119	12.902	12.902	0.000	96	10273099	25.0	26.9	
* 135 1,4-Dichlorobenzene-d4	152	12.950	12.944	0.006	92	1240232	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.963	12.963	0.000	94	4882929	25.0	26.0	
137 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	98	4105948	25.0	25.8	
138 Benzyl chloride	126	13.042	13.042	0.000	99	772337	25.0	28.7	
139 n-Butylbenzene	92	13.194	13.188	0.006	98	4860363	25.0	29.0	
140 1,2-Dichlorobenzene	146	13.225	13.225	0.000	98	4774475	25.0	26.2	
142 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	88	286713	25.0	25.6	
143 1,3,5-Trichlorobenzene	180	13.895	13.889	0.006	98	4008610	25.0	27.6	
144 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	3188084	25.0	27.3	
145 Hexachlorobutadiene	225	14.395	14.395	0.000	96	1771421	25.0	26.4	
146 Naphthalene	128	14.493	14.493	0.000	97	5183365	25.0	23.8	
147 1,2,3-Trichlorobenzene	180	14.633	14.639	-0.006	95	2694710	25.0	25.4	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		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_00068

Amount Added: 25.00

Units: uL

MSV_LL_#2_826_00077

Amount Added: 25.00

Units: uL

MSV_LL_GAS826_00141

Amount Added: 25.00

Units: uL

MSV_LLcentISS_00006

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X11.D

Injection Date: 21-Mar-2023 04:01:30

Instrument ID: 19930

Operator ID: mec29284

Lims ID: IC std7

Worklist Smp#: 12

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

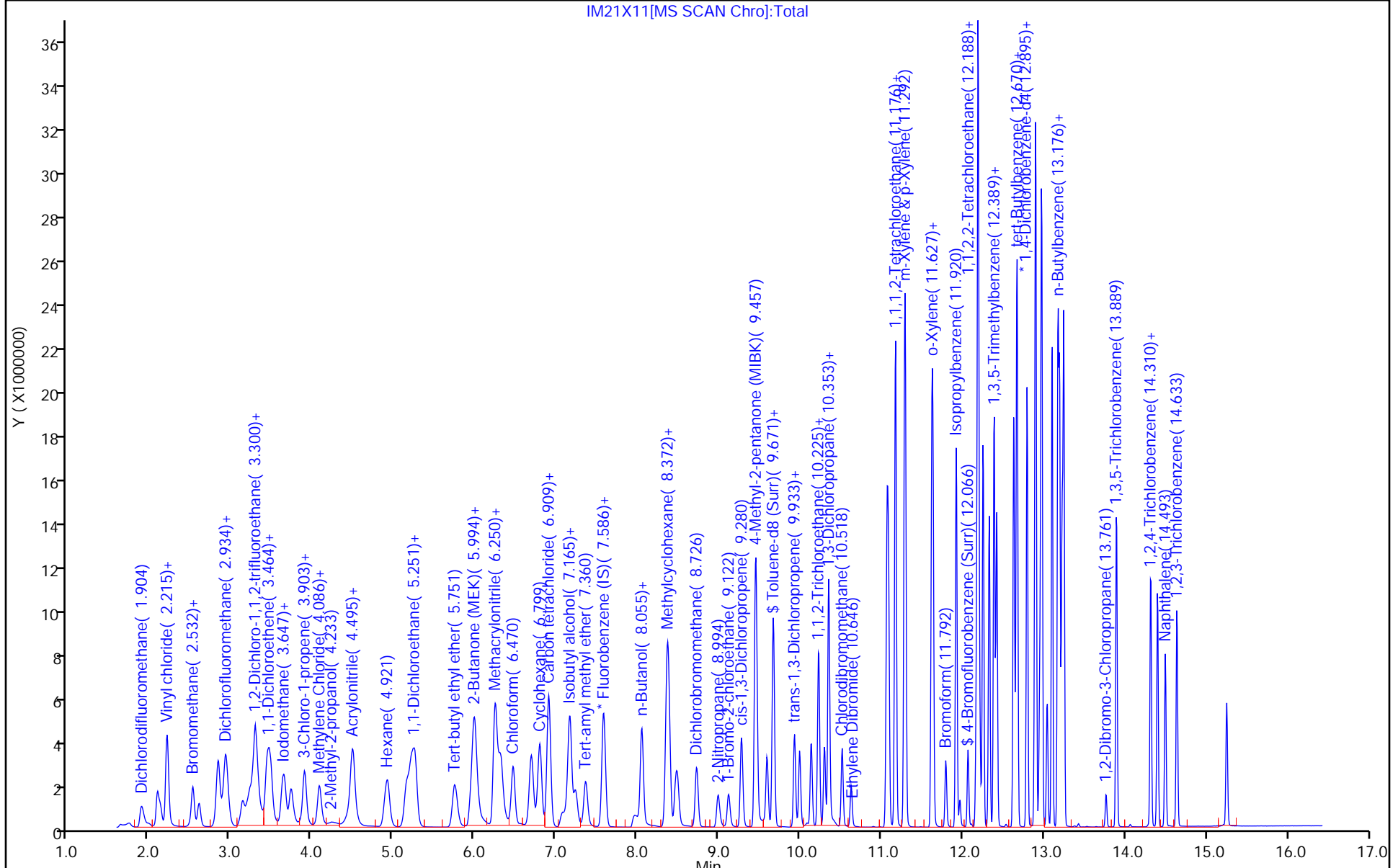
ALS Bottle#: 11

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC

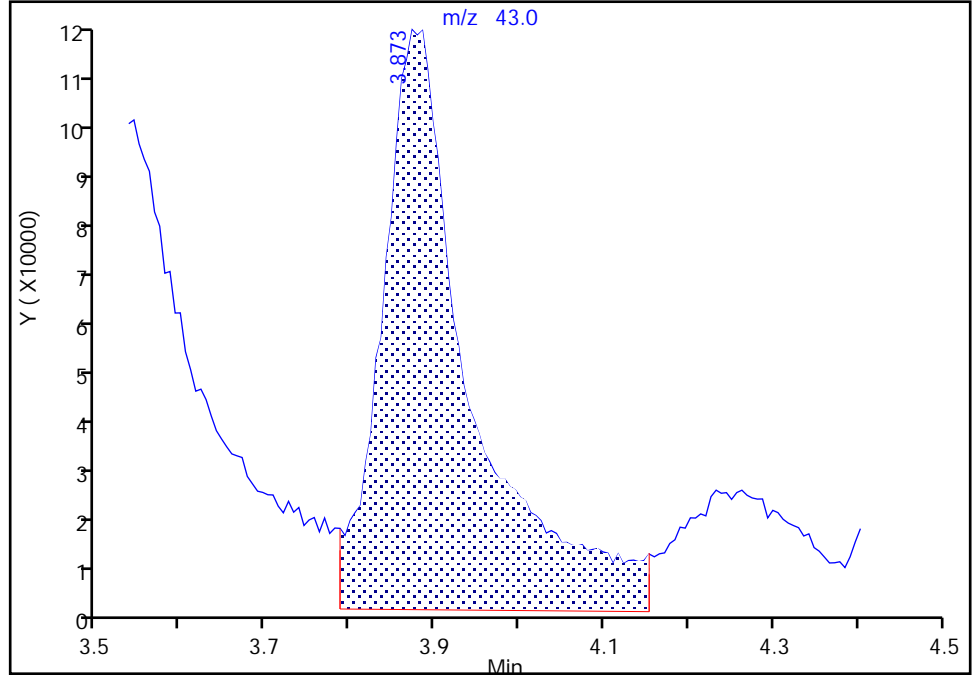
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X11.D
Injection Date: 21-Mar-2023 04:01:30 Instrument ID: 19930
Lims ID: IC std7
Client ID:
Operator ID: mec29284 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

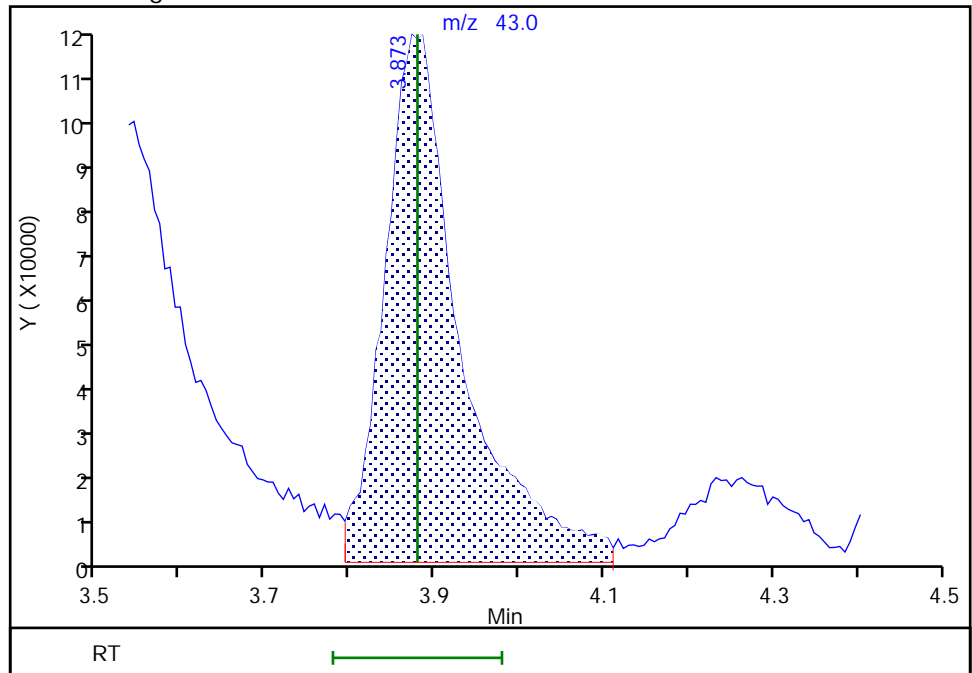
RT: 3.87
Area: 799736
Amount: 26.116895
Amount Units: ug/l

Processing Integration Results



RT: 3.87
Area: 648459
Amount: 20.026891
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 15:38:01
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

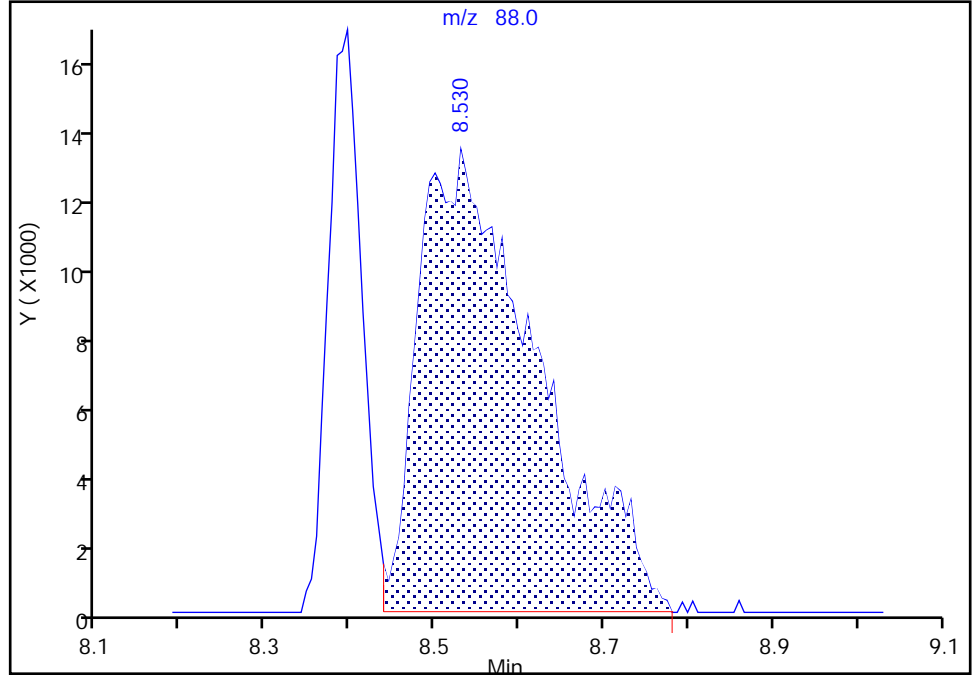
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Injection Date: 21-Mar-2023 04:01:30 Instrument ID: 19930
Lims ID: IC std7
Client ID:
Operator ID: mec29284 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

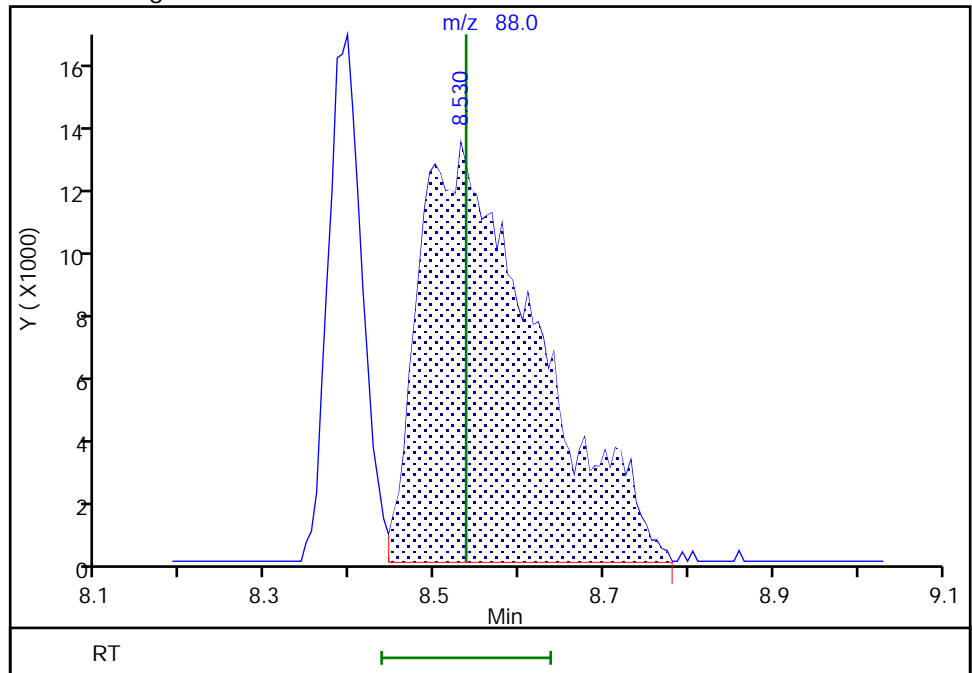
RT: 8.53
Area: 124347
Amount: 571.6595
Amount Units: ug/l

Processing Integration Results



RT: 8.53
Area: 123866
Amount: 522.6727
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 15:38:58
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\19930\20230321-79468.b\IM21X12.D
 Lims ID: ICIS - LG
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 21-Mar-2023 04:22:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0079468-013
 Operator ID: mec29284 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub2
 Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 21-Mar-2023 17:37:37 Calib Date: 21-Mar-2023 06:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1651

First Level Reviewer: DVW2

Date: 21-Mar-2023 10:27:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.898	1.898	0.000	99	922225	10.0	10.4	M
4 Chloromethane	50	2.087	2.087	0.000	99	940151	10.0	9.77	
5 Vinyl chloride	62	2.203	2.203	0.000	98	930903	10.0	9.92	
6 Butadiene	39	2.209	2.209	0.000	95	826233	10.0	9.62	
7 Bromomethane	94	2.526	2.526	0.000	92	743346	10.0	10.2	
8 Chloroethane	64	2.599	2.599	0.000	99	577982	10.0	10.1	
9 Dichlorofluoromethane	67	2.837	2.837	0.000	97	1494327	10.0	9.78	
10 Trichlorofluoromethane	101	2.898	2.898	0.000	98	1607262	10.0	10.6	
11 Ethyl ether	59	3.135	3.135	0.000	93	503956	10.0	10.2	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.227	3.227	0.000	90	845381	10.0	9.98	
14 Acrolein	56	3.306	3.306	0.000	96	3424553	500.0	533.6	
15 1,1-Dichloroethene	96	3.434	3.434	0.000	98	615600	10.0	10.0	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.477	3.477	0.000	90	725110	10.0	10.4	
16 Acetone	43	3.477	3.477	0.000	68	717958	100.0	92.6	
18 Iodomethane	142	3.629	3.629	0.000	100	1344711	10.0	10.1	
19 Ethyl bromide	108	3.660	3.660	0.000	99	581386	10.0	10.2	
20 Carbon disulfide	76	3.733	3.733	0.000	100	1740418	10.0	10.1	
23 Methyl acetate	43	3.879	3.879	0.000	97	266996	10.0	9.62	M
24 3-Chloro-1-propene	41	3.897	3.897	0.000	87	1028696	10.0	9.96	
25 Methylene Chloride	84	4.086	4.086	0.000	93	659101	10.0	10.1	
* 26 t-Butyl alcohol-d10 (IS)	65	4.135	4.135	0.000	99	120956	50.0	50.0	
27 2-Methyl-2-propanol	59	4.263	4.263	0.000	99	532907	200.0	211.4	
28 Acrylonitrile	53	4.416	4.416	0.000	98	263633	25.0	28.0	
29 Methyl tert-butyl ether	73	4.477	4.477	0.000	95	1605079	10.0	10.2	
30 trans-1,2-Dichloroethene	96	4.495	4.495	0.000	98	680341	10.0	9.85	
31 Hexane	57	4.915	4.915	0.000	95	974283	10.0	10.7	
32 1,1-Dichloroethane	63	5.147	5.147	0.000	96	1265159	10.0	10.1	
35 Isopropyl ether	45	5.214	5.214	0.000	91	2131812	10.0	10.2	
36 2-Chloro-1,3-butadiene	53	5.263	5.263	0.000	93	1088422	10.0	10.3	
37 Tert-butyl ethyl ether	59	5.751	5.751	0.000	97	1484132	10.0	10.2	
38 2-Butanone (MEK)	43	5.958	5.958	0.000	100	1559003	100.0	108.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 cis-1,2-Dichloroethene	96	5.982	5.982	0.000	83	760484	10.0	10.1	
40 2,2-Dichloropropane	77	5.995	5.995	0.000	89	1152650	10.0	10.1	
43 Propionitrile	54	6.056	6.056	0.000	98	771867	200.0	232.5	
45 Methacrylonitrile	67	6.244	6.244	0.000	92	1703050	100.0	111.7	
46 Chlorobromomethane	128	6.318	6.318	0.000	90	362331	10.0	10.3	
47 Tetrahydrofuran	71	6.330	6.330	0.000	79	237735	50.0	54.1	
48 Chloroform	83	6.464	6.464	0.000	95	1301472	10.0	10.1	
\$ 49 Dibromofluoromethane (Surr)	113	6.677	6.677	0.000	94	634684	10.0	10.1	
50 1,1,1-Trichloroethane	97	6.690	6.690	0.000	98	1236794	10.0	10.2	
51 Cyclohexane	56	6.793	6.793	0.000	92	1201687	10.0	10.4	
53 1,1-Dichloropropene	75	6.903	6.903	0.000	91	971752	10.0	10.3	
54 Carbon tetrachloride	117	6.909	6.909	0.000	95	1181687	10.0	10.5	
55 Isobutyl alcohol	41	7.092	7.092	0.000	90	499620	500.0	553.5	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.135	7.135	0.000	89	118206	10.0	9.88	
57 Benzene	78	7.165	7.165	0.000	98	2766730	10.0	10.0	
58 1,2-Dichloroethane	62	7.238	7.238	0.000	97	849419	10.0	10.0	
60 Tert-amyl methyl ether	73	7.354	7.354	0.000	98	1148066	10.0	10.3	
* 61 Fluorobenzene (IS)	96	7.567	7.567	0.000	99	2381761	10.0	10.0	
62 n-Heptane	43	7.580	7.580	0.000	92	1013268	10.0	10.7	
63 n-Butanol	56	7.976	7.976	0.000	90	703258	875.0	1076.6	
64 Trichloroethene	95	8.049	8.049	0.000	96	778206	10.0	10.0	
65 Methylcyclohexane	83	8.360	8.360	0.000	91	1348244	10.0	10.5	
66 1,2-Dichloropropane	63	8.378	8.378	0.000	90	714552	10.0	10.3	
67 Methyl methacrylate	69	8.464	8.464	0.000	89	349068	10.0	11.3	
69 Dibromomethane	93	8.488	8.488	0.000	92	368087	10.0	10.3	
68 1,4-Dioxane	88	8.537	8.537	0.000	84	118927	500.0	585.5	
71 Dichlorobromomethane	83	8.726	8.726	0.000	98	960002	10.0	10.4	
72 2-Nitropropane	41	8.994	8.994	0.000	99	615199	50.0	55.7	
75 1-Bromo-2-chloroethane	63	9.122	9.122	0.000	99	677411	10.0	10.3	
76 cis-1,3-Dichloropropene	75	9.280	9.280	0.000	93	1135243	10.0	10.7	
77 4-Methyl-2-pentanone (MIBK)	43	9.451	9.451	0.000	98	4813730	100.0	113.4	
\$ 78 Toluene-d8 (Surr)	98	9.591	9.591	0.000	94	2420949	10.0	9.97	
79 Toluene	92	9.671	9.671	0.000	98	1895806	10.0	10.1	
97 trans-1,3-Dichloropropene	75	9.933	9.933	0.000	95	976681	10.0	10.7	
99 Ethyl methacrylate	69	9.994	9.994	0.000	89	746956	10.0	10.6	
100 1,1,2-Trichloroethane	97	10.134	10.134	0.000	92	520789	10.0	10.2	
101 Tetrachloroethene	166	10.225	10.225	0.000	98	1025277	10.0	10.2	
102 1,3-Dichloropropane	76	10.299	10.299	0.000	92	856612	10.0	10.1	
103 2-Hexanone	43	10.353	10.353	0.000	98	3355456	100.0	113.4	
105 Chlorodibromomethane	129	10.518	10.518	0.000	89	756162	10.0	10.7	
106 Ethylene Dibromide	107	10.628	10.628	0.000	98	515479	10.0	10.4	
* 107 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	86	1886594	10.0	10.0	
108 1-Chlorohexane	91	11.073	11.073	0.000	97	1085890	10.0	10.1	
109 Chlorobenzene	112	11.091	11.091	0.000	96	2204397	10.0	10.2	
111 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	95	827659	10.0	10.5	
112 Ethylbenzene	91	11.176	11.176	0.000	98	3694009	10.0	10.1	
113 m-Xylene & p-Xylene	106	11.292	11.292	0.000	94	2958705	20.0	20.4	
114 o-Xylene	106	11.621	11.621	0.000	97	1442929	10.0	10.2	
115 Styrene	104	11.634	11.634	0.000	95	2367152	10.0	10.7	
116 Bromoform	173	11.792	11.792	0.000	97	503660	10.0	11.0	
117 Isopropylbenzene	105	11.920	11.920	0.000	96	3876560	10.0	10.4	
\$ 120 4-Bromofluorobenzene (Surr)	95	12.067	12.067	0.000	96	889396	10.0	10.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	94	665065	10.0	10.3	
122 Bromobenzene	156	12.182	12.182	0.000	98	981240	10.0	10.2	
123 trans-1,4-Dichloro-2-butene	53	12.188	12.188	0.000	93	1920626	100.0	115.2	
124 1,2,3-Trichloropropane	110	12.213	12.213	0.000	84	189700	10.0	10.4	
125 N-Propylbenzene	91	12.249	12.249	0.000	99	4495847	10.0	10.6	
126 2-Chlorotoluene	126	12.329	12.329	0.000	97	946897	10.0	10.4	
127 1,3,5-Trimethylbenzene	105	12.384	12.384	0.000	94	3315484	10.0	10.5	
128 4-Chlorotoluene	126	12.420	12.420	0.000	97	951822	10.0	10.5	
129 tert-Butylbenzene	134	12.627	12.627	0.000	94	817068	10.0	10.4	
130 Pentachloroethane	167	12.664	12.664	0.000	92	672224	10.0	11.1	
131 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	3435975	10.0	10.6	
132 sec-Butylbenzene	105	12.792	12.792	0.000	94	4306580	10.0	10.7	
133 1,3-Dichlorobenzene	146	12.890	12.890	0.000	99	1926286	10.0	10.7	
134 4-Isopropyltoluene	119	12.902	12.902	0.000	97	3862618	10.0	10.7	
* 135 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	1169233	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.963	12.963	0.000	94	1838618	10.0	10.4	
137 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	98	1534921	10.0	10.2	
138 Benzyl chloride	126	13.042	13.042	0.000	99	290235	10.0	11.4	
139 n-Butylbenzene	92	13.188	13.188	0.000	95	1762970	10.0	11.2	
140 1,2-Dichlorobenzene	146	13.225	13.225	0.000	99	1807906	10.0	10.5	
142 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	87	114580	10.0	10.8	
143 1,3,5-Trichlorobenzene	180	13.889	13.889	0.000	98	1467042	10.0	10.7	
144 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	1207739	10.0	11.0	
145 Hexachlorobutadiene	225	14.395	14.395	0.000	96	656545	10.0	10.4	
146 Naphthalene	128	14.493	14.493	0.000	97	2170950	10.0	10.6	
147 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	95	1072140	10.0	10.7	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		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_00068	Amount Added: 10.00	Units: uL	
MSV_LL_#2_826_00077	Amount Added: 10.00	Units: uL	
MSV_LL_GAS826_00141	Amount Added: 10.00	Units: uL	
MSV_LLcentISS_00006	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X12.D

Injection Date: 21-Mar-2023 04:22:30

Instrument ID: 19930

Operator ID: mec29284

Lims ID: ICIS - LG

Worklist Smp#: 13

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

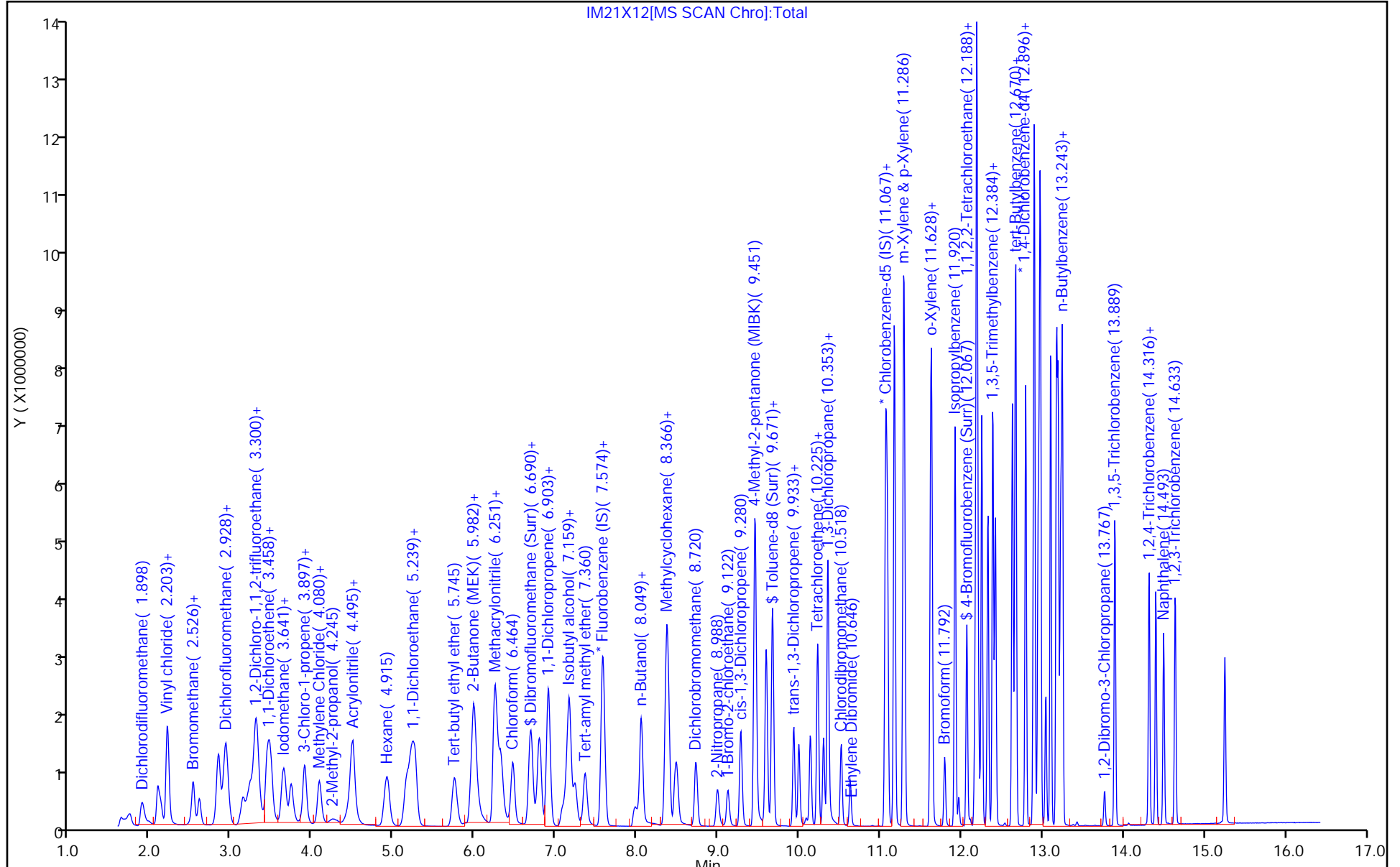
ALS Bottle#: 12

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC

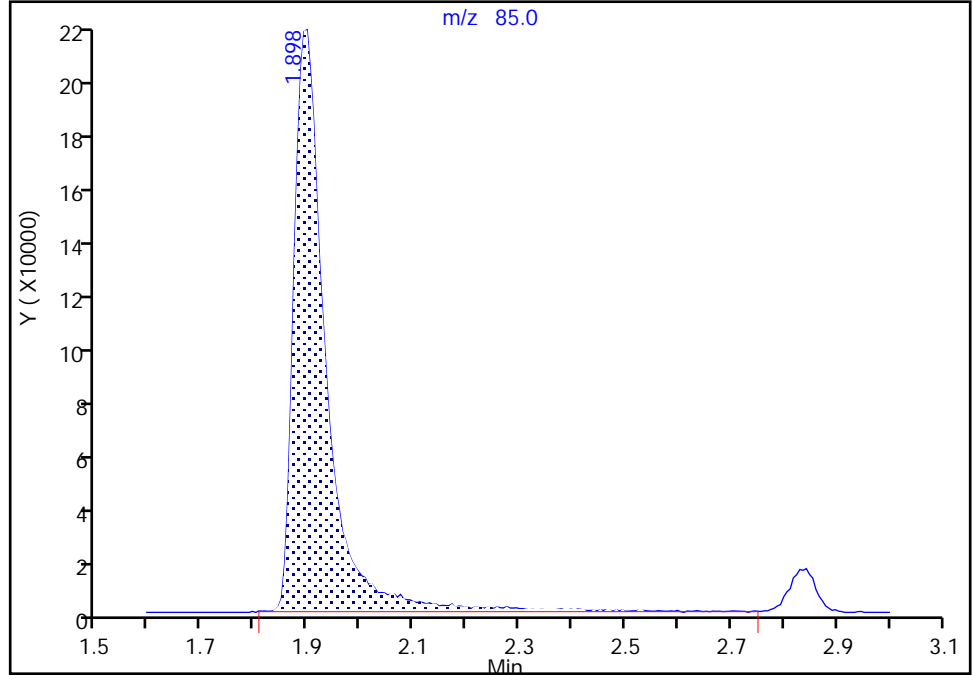
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Injection Date: 21-Mar-2023 04:22:30 Instrument ID: 19930
Lims ID: ICIS - LG
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

1 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

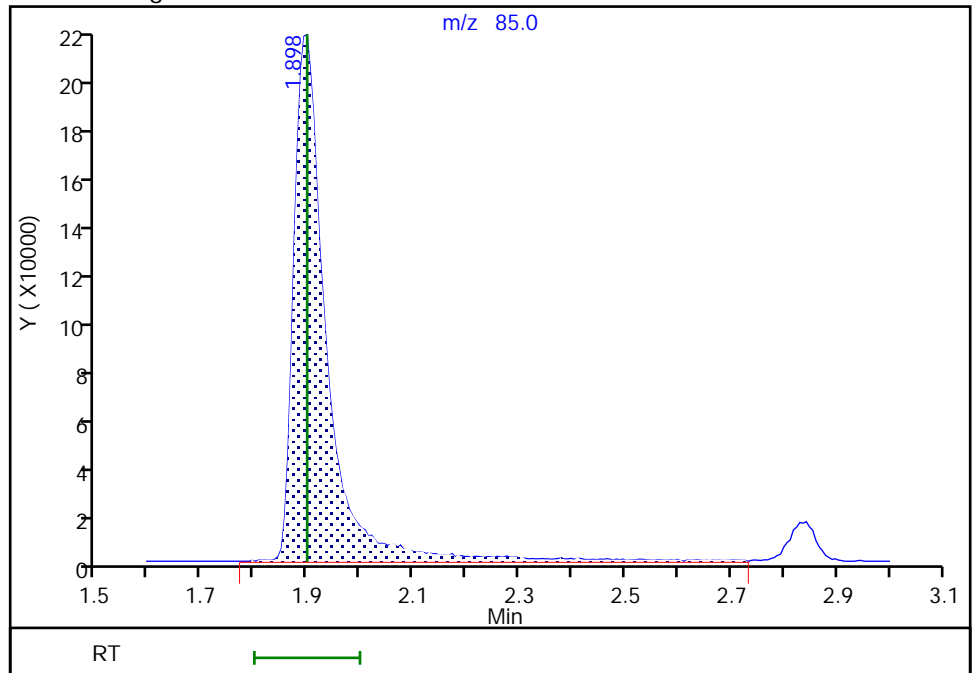
RT: 1.90
Area: 899819
Amount: 10.174710
Amount Units: ug/l

Processing Integration Results



RT: 1.90
Area: 922225
Amount: 10.390459
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 15:43:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

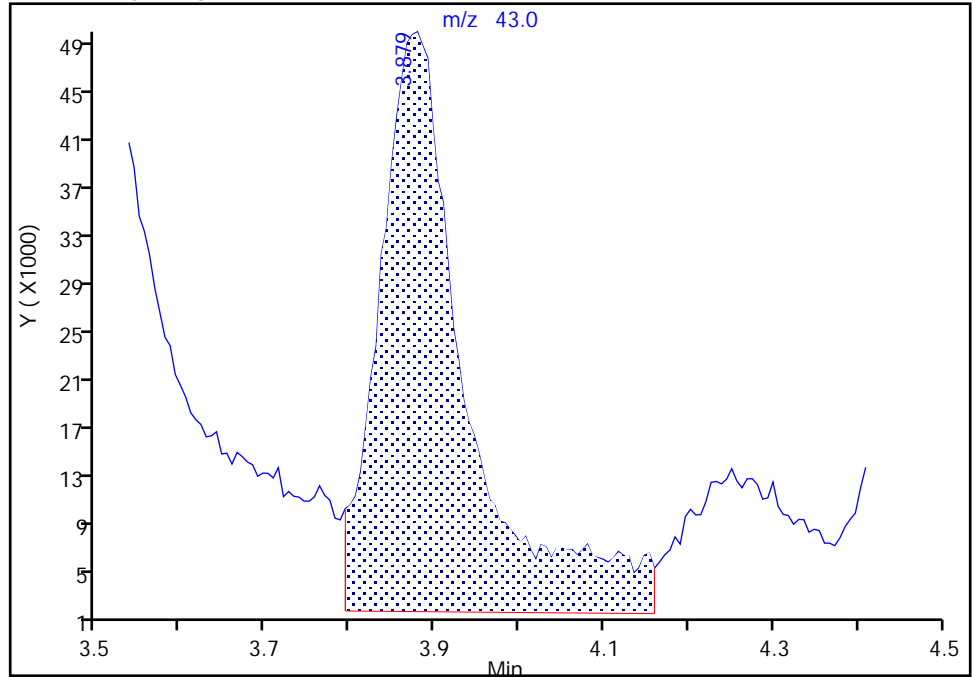
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X12.D
Injection Date: 21-Mar-2023 04:22:30 Instrument ID: 19930
Lims ID: ICIS - LG
Client ID:
Operator ID: mec29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

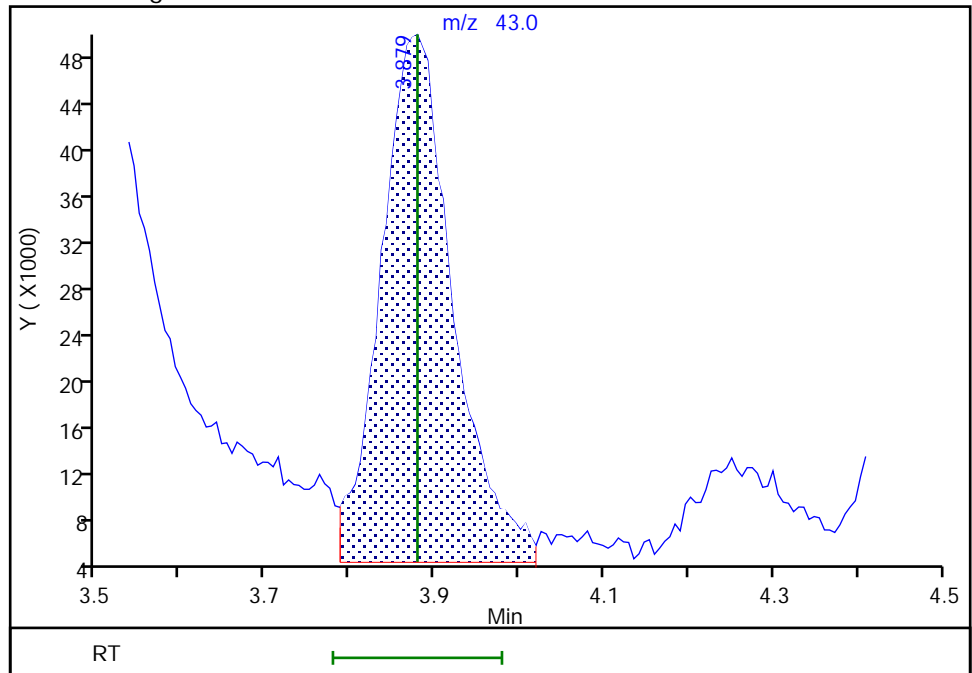
RT: 3.88
Area: 348419
Amount: 12.708697
Amount Units: ug/l

Processing Integration Results



RT: 3.88
Area: 266996
Amount: 9.620961
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 15:43:58
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X13.D
 Lims ID: IC std5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 21-Mar-2023 04:42:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0079468-014
 Operator ID: mec29284 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub2
 Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 21-Mar-2023 17:37:43 Calib Date: 21-Mar-2023 06:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1651

First Level Reviewer: K4WN

Date: 21-Mar-2023 15:49:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.898	1.898	0.000	99	455174	5.00	5.12	
4 Chloromethane	50	2.093	2.087	0.006	99	459776	5.00	4.77	
5 Vinyl chloride	62	2.209	2.203	0.006	98	468573	5.00	4.98	
6 Butadiene	39	2.215	2.209	0.006	95	408978	5.00	4.75	
7 Bromomethane	94	2.532	2.526	0.006	92	358762	5.00	4.92	
8 Chloroethane	64	2.605	2.599	0.006	99	282374	5.00	4.94	
9 Dichlorofluoromethane	67	2.843	2.837	0.006	97	745004	5.00	4.87	
10 Trichlorofluoromethane	101	2.904	2.898	0.006	96	738690	5.00	4.86	
11 Ethyl ether	59	3.148	3.135	0.013	91	250383	5.00	5.03	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.227	3.227	0.000	88	415383	5.00	4.89	
14 Acrolein	56	3.312	3.306	0.006	95	1760321	250.0	264.9	
15 1,1-Dichloroethene	96	3.440	3.434	0.006	98	300931	5.00	4.89	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.483	3.477	0.006	90	350208	5.00	5.00	
16 Acetone	43	3.489	3.477	0.012	71	382327	50.0	47.6	M
18 Iodomethane	142	3.641	3.629	0.012	99	668087	5.00	5.01	
19 Ethyl bromide	108	3.666	3.660	0.006	99	289573	5.01	5.05	
20 Carbon disulfide	76	3.739	3.733	0.006	100	851050	5.00	4.94	
23 Methyl acetate	43	3.885	3.879	0.006	97	138687	5.00	4.83	M
24 3-Chloro-1-propene	41	3.910	3.897	0.013	88	512382	5.00	4.95	
25 Methylene Chloride	84	4.086	4.086	0.000	93	323924	5.00	4.96	
* 26 t-Butyl alcohol-d10 (IS)	65	4.135	4.135	0.000	98	125221	50.0	50.0	M
27 2-Methyl-2-propanol	59	4.269	4.263	0.006	98	290719	100.0	111.4	M
28 Acrylonitrile	53	4.428	4.416	0.012	96	135604	12.5	13.9	M
29 Methyl tert-butyl ether	73	4.495	4.477	0.018	95	799391	5.00	5.06	
30 trans-1,2-Dichloroethene	96	4.501	4.495	0.006	99	339868	5.00	4.91	
31 Hexane	57	4.922	4.915	0.007	95	468791	5.00	5.13	
32 1,1-Dichloroethane	63	5.159	5.147	0.012	96	633253	5.00	5.04	
35 Isopropyl ether	45	5.214	5.214	0.000	95	1061122	5.00	5.06	
36 2-Chloro-1,3-butadiene	53	5.269	5.263	0.006	93	541494	5.00	5.09	
37 Tert-butyl ethyl ether	59	5.751	5.751	0.000	97	749516	5.00	5.15	
38 2-Butanone (MEK)	43	5.964	5.958	0.006	100	784382	50.0	52.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 cis-1,2-Dichloroethene	96	5.989	5.982	0.006	83	381596	5.00	5.05	
40 2,2-Dichloropropane	77	5.995	5.995	0.000	89	567765	5.00	4.97	
43 Propionitrile	54	6.062	6.056	0.006	98	368330	100.0	107.2	
S 41 1,2-Dichloroethene, Total	100				0			9.96	
45 Methacrylonitrile	67	6.251	6.244	0.007	91	830959	50.0	52.6	
46 Chlorobromomethane	128	6.324	6.318	0.006	91	179484	5.00	5.10	
47 Tetrahydrofuran	71	6.336	6.330	0.006	79	120622	25.0	26.5	
48 Chloroform	83	6.470	6.464	0.006	95	643977	5.00	4.99	
\$ 49 Dibromofluoromethane (Surr)	113	6.683	6.677	0.006	94	632686	10.0	10.0	
50 1,1,1-Trichloroethane	97	6.696	6.690	0.006	98	611388	5.00	5.02	
51 Cyclohexane	56	6.799	6.793	0.006	92	580173	5.00	5.01	
53 1,1-Dichloropropene	75	6.909	6.903	0.006	91	474125	5.00	5.00	
54 Carbon tetrachloride	117	6.909	6.909	0.000	95	576461	5.00	5.11	
55 Isobutyl alcohol	41	7.098	7.092	0.006	94	254297	250.0	272.1	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.135	7.135	0.000	91	120327	10.0	10.0	
57 Benzene	78	7.171	7.165	0.006	98	1384537	5.00	5.00	
58 1,2-Dichloroethane	62	7.238	7.238	0.000	97	422172	5.00	4.97	M
60 Tert-amyl methyl ether	73	7.366	7.354	0.012	97	573757	5.00	5.11	
* 61 Fluorobenzene (IS)	96	7.574	7.567	0.007	99	2387313	10.0	10.0	
62 n-Heptane	43	7.592	7.580	0.012	91	473866	5.00	4.98	
63 n-Butanol	56	7.988	7.976	0.012	93	342450	437.5	506.4	
64 Trichloroethene	95	8.055	8.049	0.006	96	389301	5.00	4.99	
65 Methylcyclohexane	83	8.360	8.360	0.000	91	647571	5.00	5.04	
66 1,2-Dichloropropane	63	8.384	8.378	0.006	92	356169	5.00	5.11	
67 Methyl methacrylate	69	8.470	8.464	0.006	88	167724	5.00	5.24	
69 Dibromomethane	93	8.494	8.488	0.006	93	181241	5.00	5.08	
68 1,4-Dioxane	88	8.531	8.537	-0.006	83	60319	250.0	286.9	M
71 Dichlorobromomethane	83	8.726	8.726	0.000	98	475184	5.00	5.14	
72 2-Nitropropane	41	8.994	8.994	0.000	100	292267	25.0	25.6	
75 1-Bromo-2-chloroethane	63	9.122	9.122	0.000	99	333228	5.00	5.06	
76 cis-1,3-Dichloropropene	75	9.281	9.280	0.001	94	552133	5.00	5.17	
77 4-Methyl-2-pentanone (MIBK)	43	9.457	9.451	0.006	98	2322697	50.0	52.9	
\$ 78 Toluene-d8 (Surr)	98	9.591	9.591	0.000	94	2422302	10.0	9.98	
79 Toluene	92	9.671	9.671	0.000	97	923872	5.00	4.94	
97 trans-1,3-Dichloropropene	75	9.933	9.933	0.000	96	468676	5.00	5.15	
99 Ethyl methacrylate	69	9.994	9.994	0.000	89	365161	5.00	5.18	
S 98 1,3-Dichloropropene, Total	100				0			10.3	
100 1,1,2-Trichloroethane	97	10.140	10.134	0.006	93	253999	5.00	4.96	
101 Tetrachloroethene	166	10.225	10.225	0.000	98	508265	5.00	5.04	
102 1,3-Dichloropropane	76	10.299	10.299	0.000	93	427645	5.00	5.07	
103 2-Hexanone	43	10.354	10.353	0.001	98	1623206	50.0	53.0	
105 Chlorodibromomethane	129	10.518	10.518	0.000	89	365950	5.00	5.19	
106 Ethylene Dibromide	107	10.628	10.628	0.000	98	251158	5.00	5.06	
* 107 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	86	1885942	10.0	10.0	
108 1-Chlorohexane	91	11.073	11.073	0.000	97	521339	5.00	4.84	
109 Chlorobenzene	112	11.091	11.091	0.000	95	1086370	5.00	5.05	
111 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	95	405063	5.00	5.12	
112 Ethylbenzene	91	11.177	11.176	0.001	98	1842666	5.00	5.06	
S 110 Xylenes, Total	106				0			15.4	
113 m-Xylene & p-Xylene	106	11.292	11.292	0.000	94	1490951	10.0	10.3	
114 o-Xylene	106	11.622	11.621	0.001	96	722330	5.00	5.09	
115 Styrene	104	11.634	11.634	0.000	95	1155265	5.00	5.24	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 Bromoform	173	11.792	11.792	0.000	97	241884	5.00	5.27	
117 Isopropylbenzene	105	11.920	11.920	0.000	96	1899553	5.00	5.10	
\$ 120 4-Bromofluorobenzene (Surr)	95	12.067	12.067	0.000	96	876575	10.0	9.90	
121 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	94	325780	5.00	5.08	
122 Bromobenzene	156	12.182	12.182	0.000	97	490923	5.00	5.13	
123 trans-1,4-Dichloro-2-butene	53	12.189	12.188	0.000	93	910577	50.0	52.8	
124 1,2,3-Trichloropropane	110	12.213	12.213	0.000	84	93500	5.00	5.16	
125 N-Propylbenzene	91	12.249	12.249	0.000	99	2199783	5.00	5.24	
126 2-Chlorotoluene	126	12.329	12.329	0.000	97	467982	5.00	5.16	
127 1,3,5-Trimethylbenzene	105	12.390	12.384	0.006	94	1630191	5.00	5.18	
128 4-Chlorotoluene	126	12.420	12.420	0.000	97	472147	5.00	5.22	
129 tert-Butylbenzene	134	12.627	12.627	0.000	93	400832	5.00	5.14	
130 Pentachloroethane	167	12.664	12.664	0.000	92	319216	5.00	5.28	
131 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	1681631	5.00	5.20	
132 sec-Butylbenzene	105	12.792	12.792	0.000	94	2062828	5.00	5.15	
133 1,3-Dichlorobenzene	146	12.890	12.890	0.000	99	921590	5.00	5.13	
134 4-Isopropyltoluene	119	12.902	12.902	0.000	98	1855523	5.00	5.19	
* 135 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	1162953	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.963	12.963	0.000	95	893710	5.00	5.08	
137 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	98	754758	5.00	5.05	
138 Benzyl chloride	126	13.042	13.042	0.000	99	139656	5.00	5.53	
139 n-Butylbenzene	92	13.194	13.188	0.006	97	833984	5.00	5.31	
140 1,2-Dichlorobenzene	146	13.225	13.225	0.000	98	874011	5.00	5.12	
142 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	90	54876	5.00	5.22	
143 1,3,5-Trichlorobenzene	180	13.895	13.889	0.006	97	709964	5.00	5.21	
144 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	93	575676	5.00	5.26	
145 Hexachlorobutadiene	225	14.401	14.395	0.006	96	308531	5.00	4.91	
146 Naphthalene	128	14.493	14.493	0.000	97	1061065	5.00	5.20	
147 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	95	516164	5.00	5.19	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		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_00068	Amount Added: 5.00	Units: uL	
MSV_LL_#2_826_00077	Amount Added: 5.00	Units: uL	
MSV_LL_GAS826_00141	Amount Added: 5.00	Units: uL	
MSV_LLcentISS_00006	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X13.D

Injection Date: 21-Mar-2023 04:42:30

Instrument ID: 19930

Operator ID: mec29284

Lims ID: IC std5

Worklist Smp#: 14

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

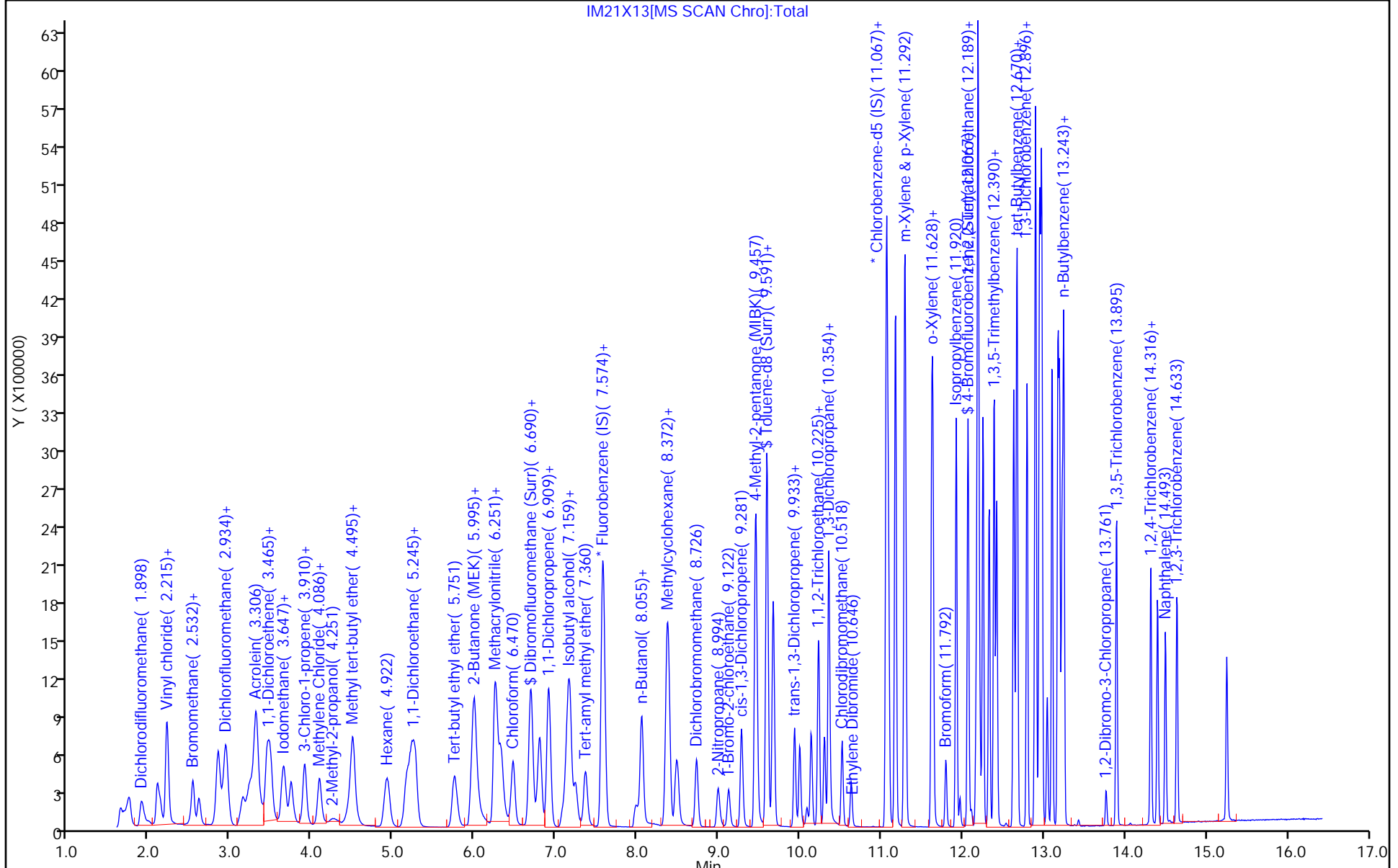
ALS Bottle#: 13

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC

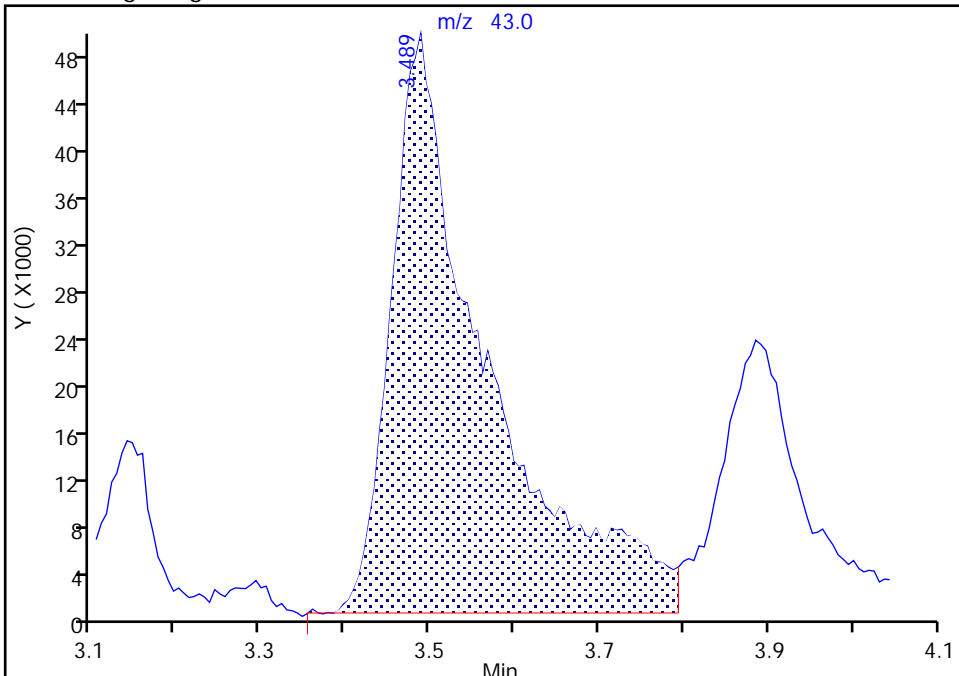
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 Injection Date: 21-Mar-2023 04:42:30 Instrument ID: 19930
 Lims ID: IC std5
 Client ID:
 Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
 Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

16 Acetone, CAS: 67-64-1

Signal: 1

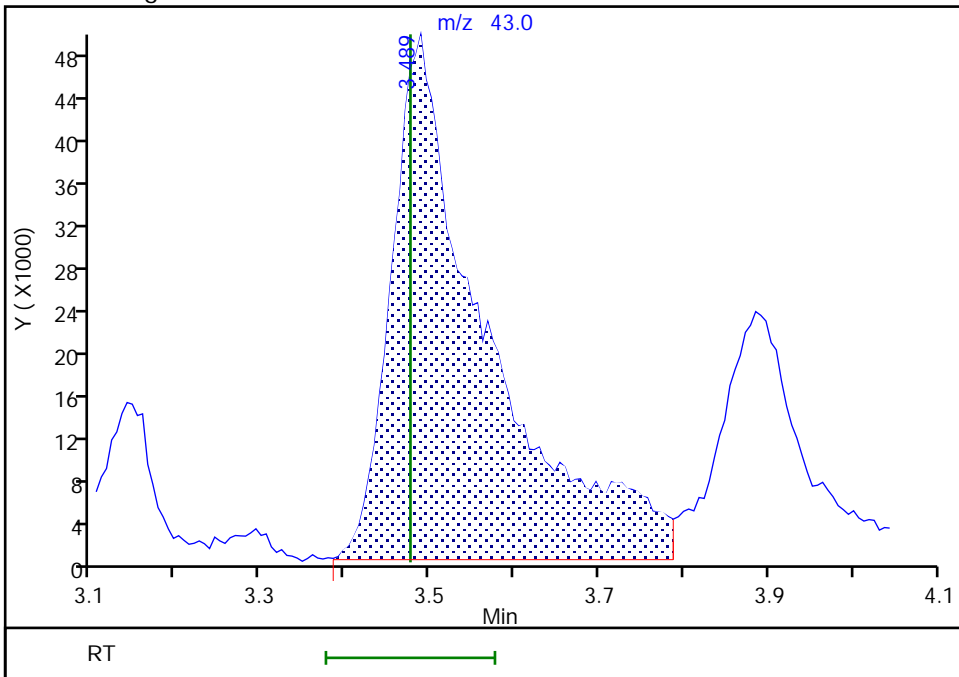
RT: 3.49
 Area: 383015
 Amount: 47.708398
 Amount Units: ug/l

Processing Integration Results



RT: 3.49
 Area: 382327
 Amount: 47.634364
 Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:13:05
 Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

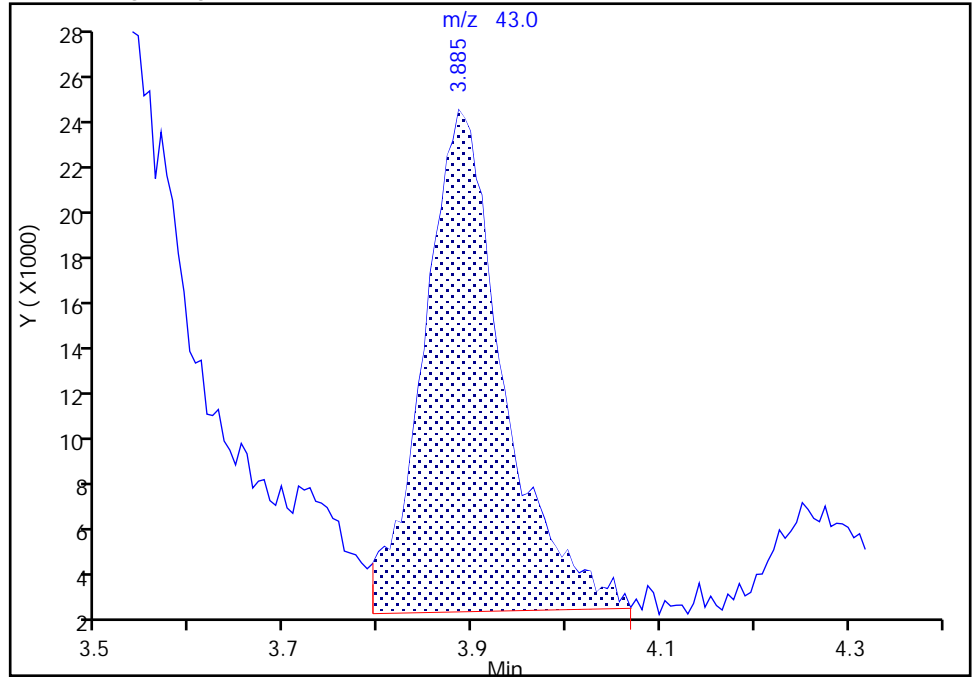
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Injection Date: 21-Mar-2023 04:42:30 Instrument ID: 19930
Lims ID: IC std5
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

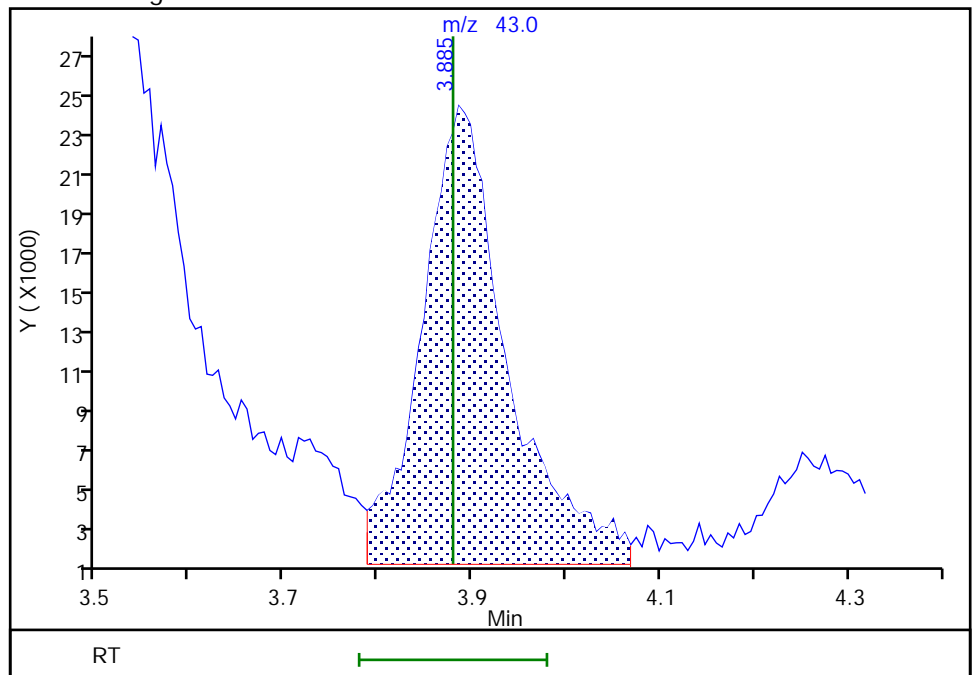
RT: 3.89
Area: 125000
Amount: 4.378117
Amount Units: ug/l

Processing Integration Results



RT: 3.89
Area: 138687
Amount: 4.827249
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 15:46:36
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

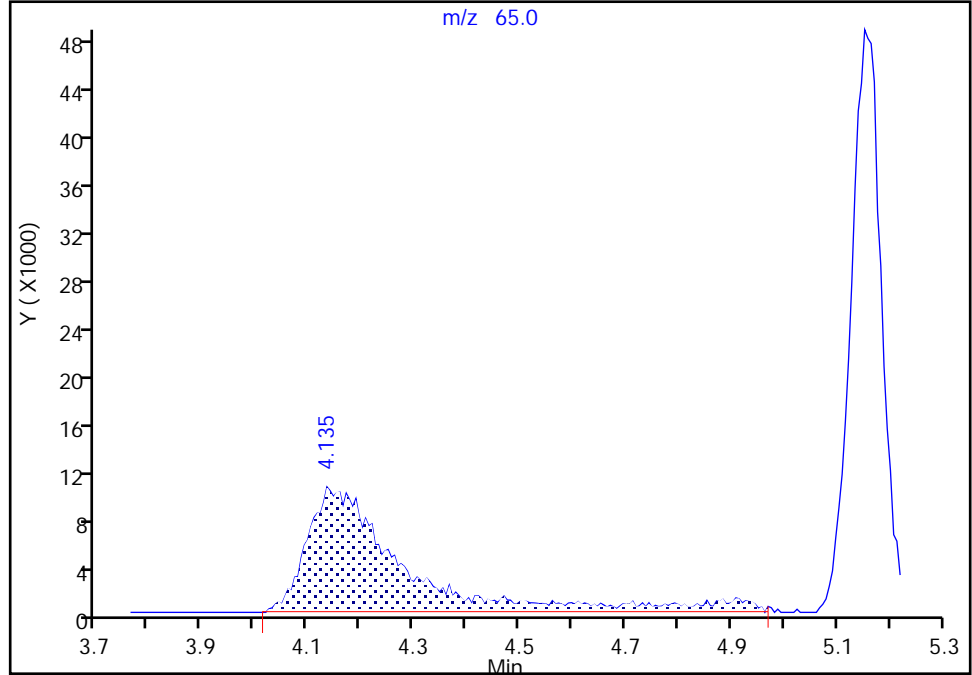
Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date: 21-Mar-2023 04:42:30 Instrument ID: 19930
Lims ID: IC std5
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2
Signal: 1

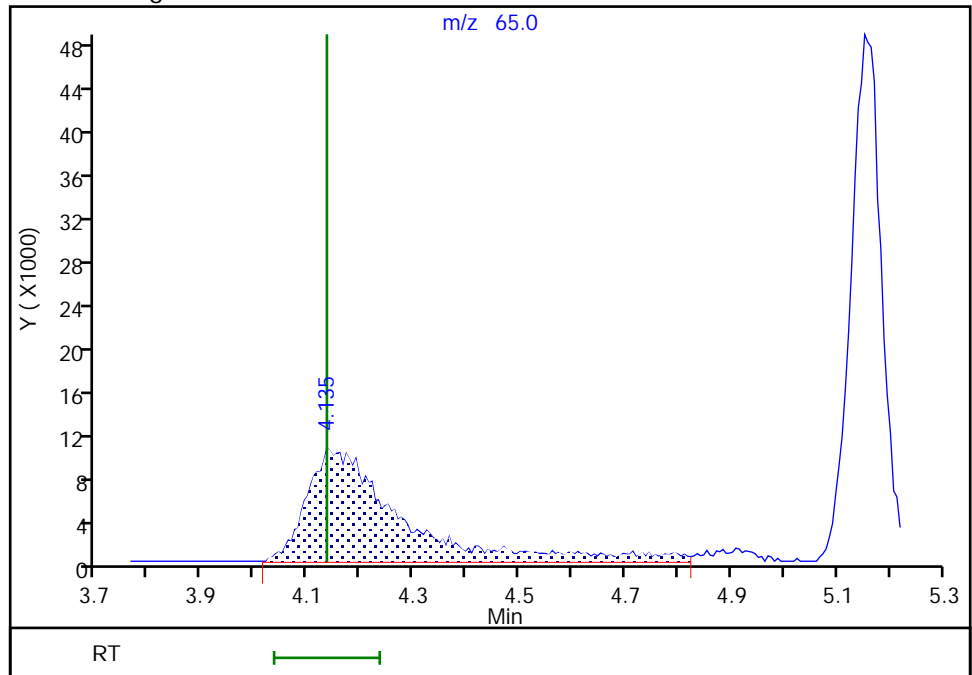
RT: 4.14
Area: 131546
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 4.14
Area: 125221
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:12:32
Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

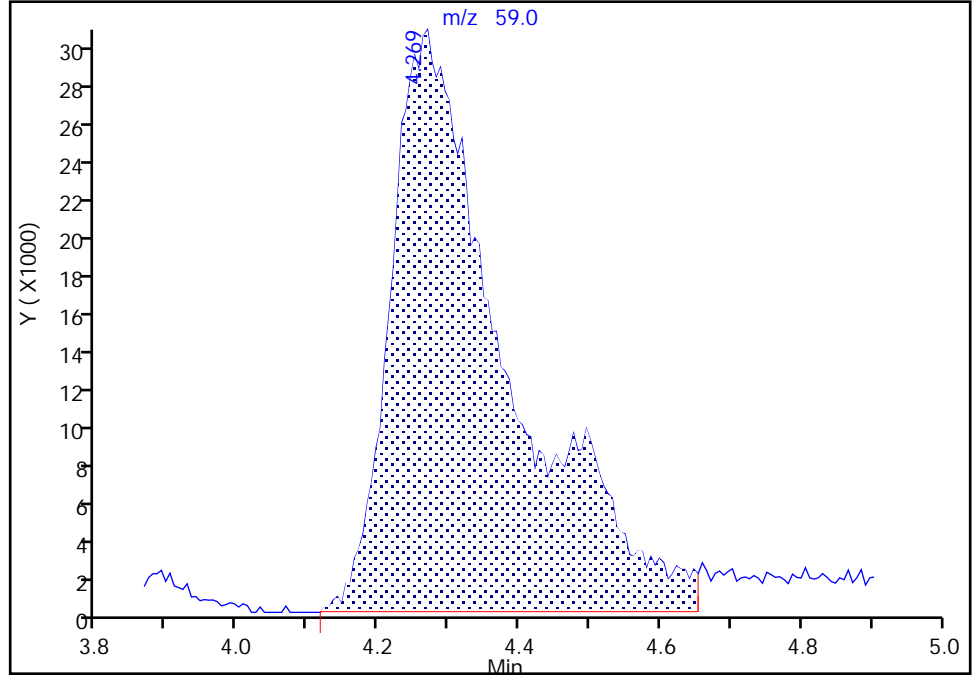
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Injection Date: 21-Mar-2023 04:42:30 Instrument ID: 19930
Lims ID: IC std5
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

27 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

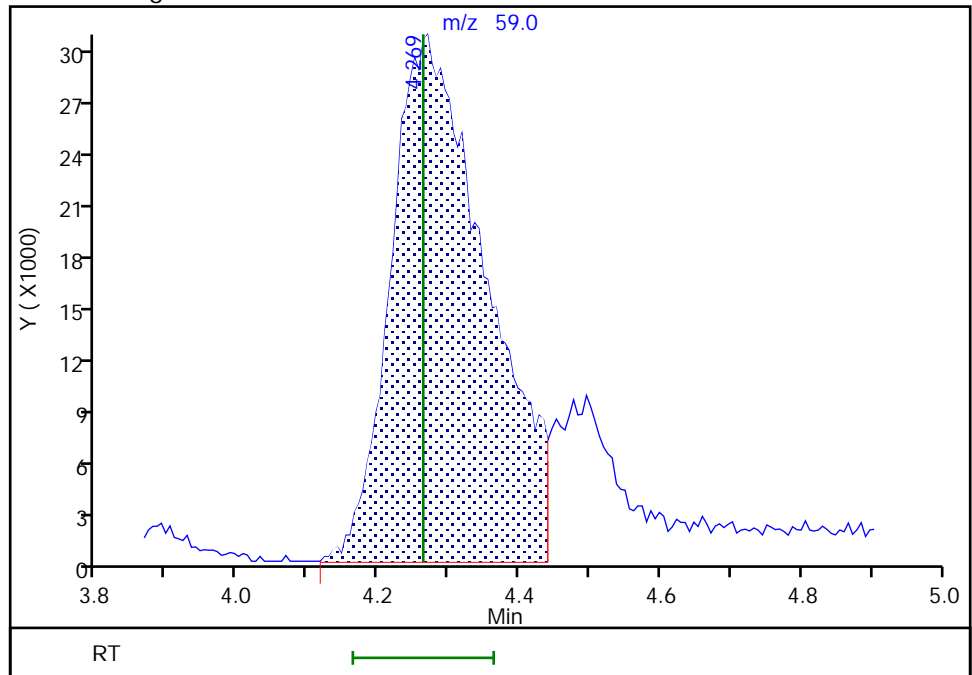
RT: 4.27
Area: 354974
Amount: 115.2823
Amount Units: ug/l

Processing Integration Results



RT: 4.27
Area: 290719
Amount: 111.4019
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 15:47:03
Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

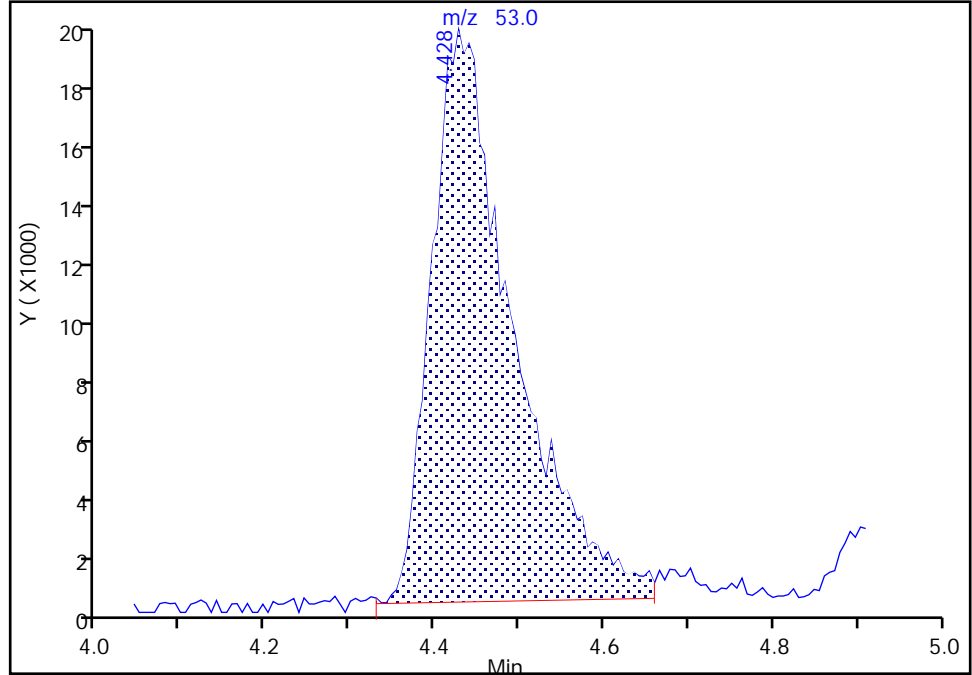
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Injection Date: 21-Mar-2023 04:42:30 Instrument ID: 19930
Lims ID: IC std5
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

28 Acrylonitrile, CAS: 107-13-1

Signal: 1

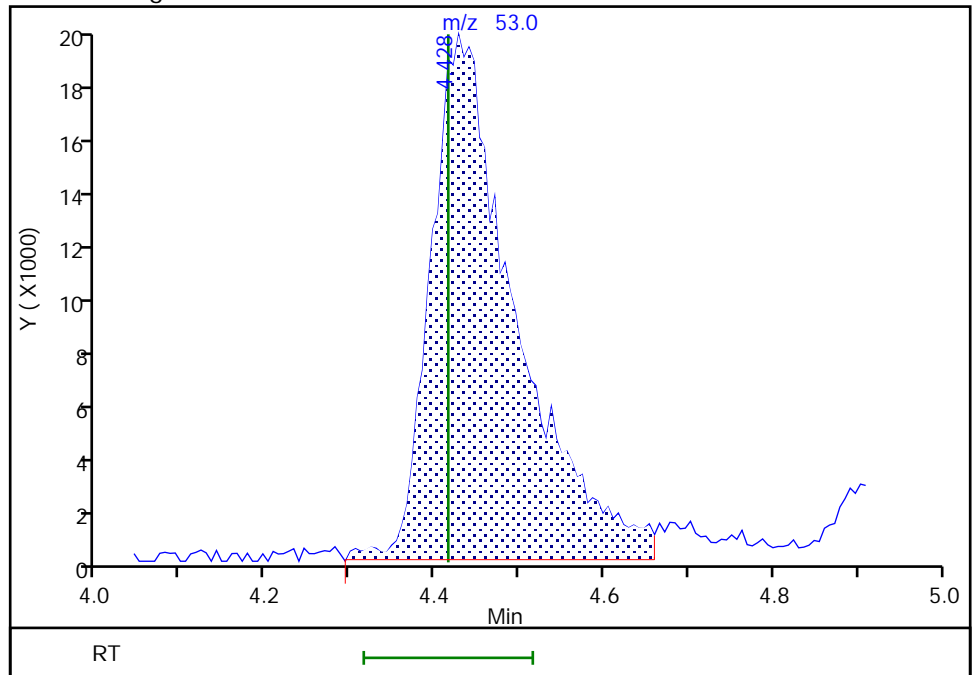
RT: 4.43
Area: 127691
Amount: 13.253608
Amount Units: ug/l

Processing Integration Results



RT: 4.43
Area: 135604
Amount: 13.894510
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 15:47:31
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

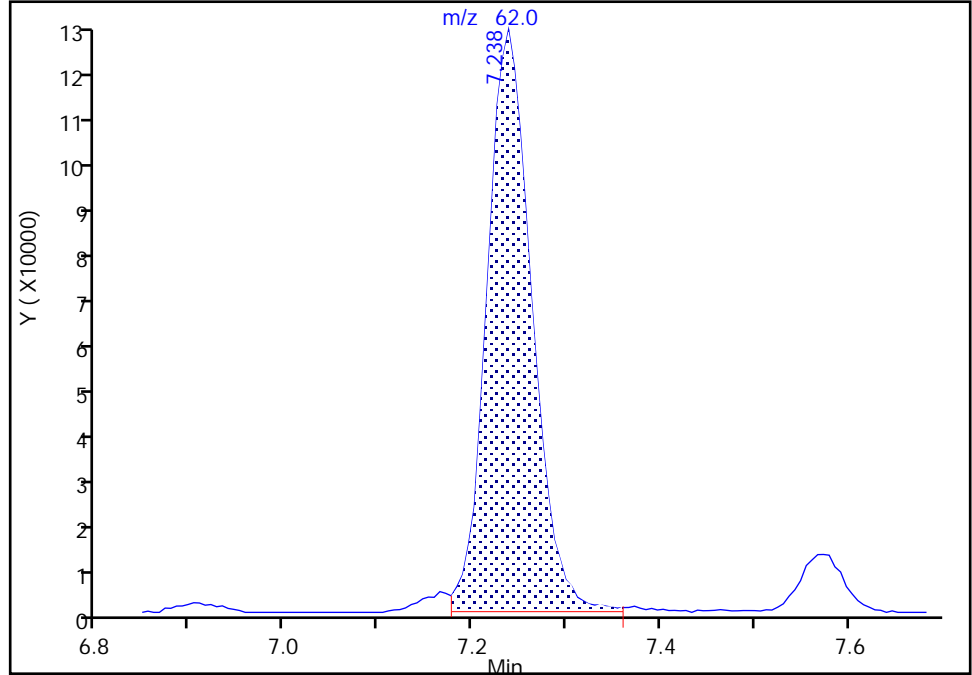
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Injection Date: 21-Mar-2023 04:42:30 Instrument ID: 19930
Lims ID: IC std5
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

58 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

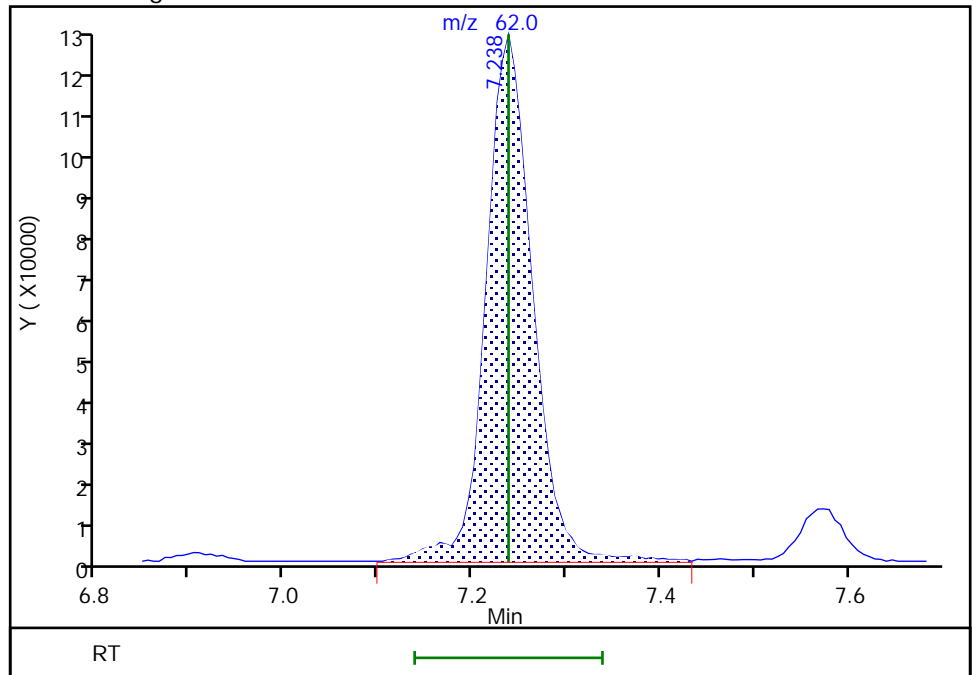
RT: 7.24
Area: 410847
Amount: 4.857627
Amount Units: ug/l

Processing Integration Results



RT: 7.24
Area: 422172
Amount: 4.972504
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 15:48:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins Lancaster Laboratories Environment Testing, LLC

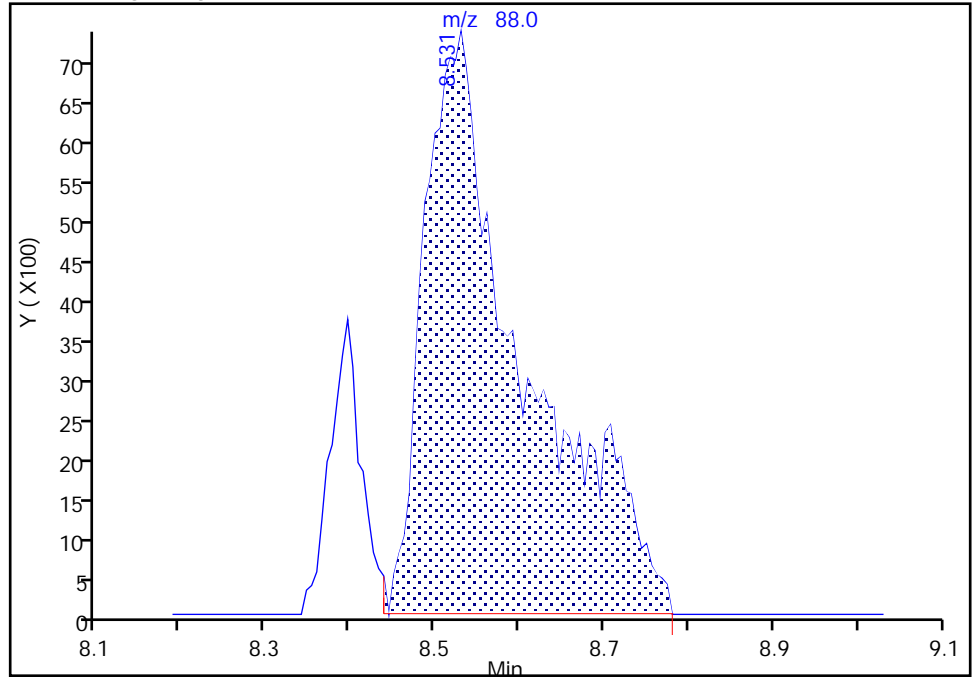
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Injection Date: 21-Mar-2023 04:42:30 Instrument ID: 19930
Lims ID: IC std5
Client ID:
Operator ID: mec29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

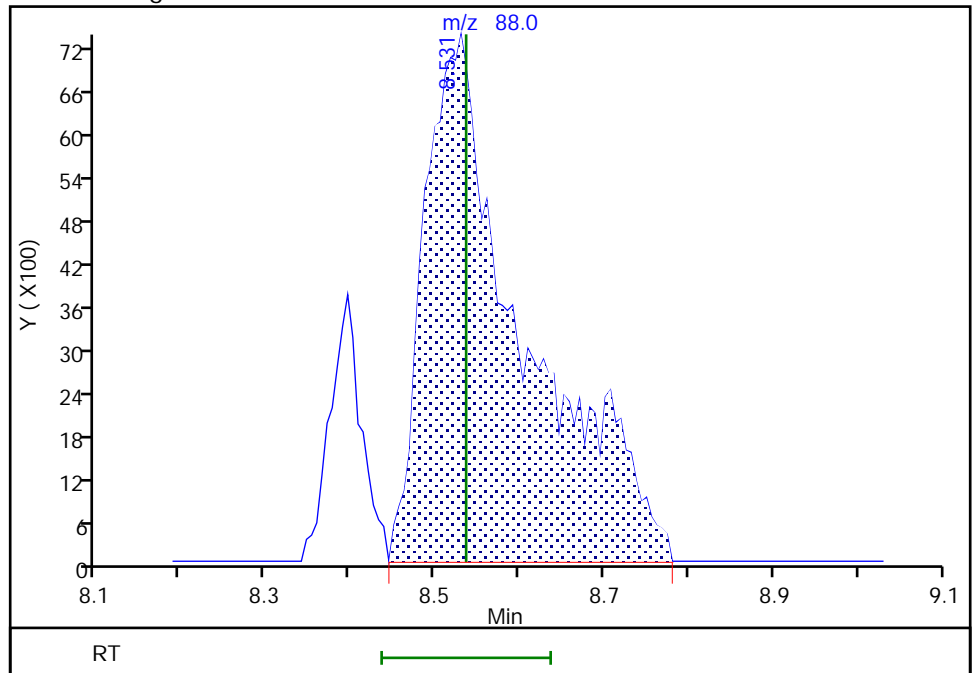
RT: 8.53
Area: 60497
Amount: 304.3985
Amount Units: ug/l

Processing Integration Results



RT: 8.53
Area: 60319
Amount: 286.8566
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 15:48:23
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\19930\20230321-79468.b\IM21X14.D
 Lims ID: IC std4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 21-Mar-2023 05:02:30 ALS Bottle#: 14 Worklist Smp#: 15
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0079468-015
 Operator ID: mec29284 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub2
 Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 21-Mar-2023 17:37:49 Calib Date: 21-Mar-2023 06:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1651

First Level Reviewer: K4WN

Date: 21-Mar-2023 15:51:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.898	1.898	0.000	99	175844	2.00	2.01	
4 Chloromethane	50	2.087	2.087	0.000	99	191397	2.00	2.02	
5 Vinyl chloride	62	2.202	2.203	-0.001	98	185810	2.00	2.01	
6 Butadiene	39	2.209	2.209	0.000	95	163666	2.00	1.93	
7 Bromomethane	94	2.526	2.526	0.000	93	144456	2.00	2.01	
8 Chloroethane	64	2.605	2.599	0.006	99	112973	2.00	2.01	
9 Dichlorofluoromethane	67	2.843	2.837	0.006	97	297881	2.00	1.98	
10 Trichlorofluoromethane	101	2.904	2.898	0.006	98	301784	2.00	2.02	
11 Ethyl ether	59	3.141	3.135	0.006	91	102296	2.00	2.09	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.221	3.227	-0.006	89	165285	2.00	1.98	
14 Acrolein	56	3.312	3.306	0.006	94	579612	100.0	111.9	
15 1,1-Dichloroethene	96	3.440	3.434	0.006	98	118520	2.00	1.96	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.471	3.477	-0.006	92	137039	2.00	1.99	
16 Acetone	43	3.483	3.477	0.006	57	119641	20.0	19.1	M
18 Iodomethane	142	3.629	3.629	0.000	99	256394	2.00	1.95	
19 Ethyl bromide	108	3.653	3.660	-0.007	97	112150	2.00	1.99	
20 Carbon disulfide	76	3.739	3.733	0.006	100	331819	2.00	1.96	
23 Methyl acetate	43	3.891	3.879	0.012	34	48849	2.00	2.18	
24 3-Chloro-1-propene	41	3.903	3.897	0.006	87	198621	2.00	1.95	
25 Methylene Chloride	84	4.080	4.086	-0.006	92	127652	2.00	1.99	
* 26 t-Butyl alcohol-d10 (IS)	65	4.135	4.135	0.000	99	97646	50.0	50.0	M
27 2-Methyl-2-propanol	59	4.251	4.263	-0.012	98	80472	40.0	39.5	
28 Acrylonitrile	53	4.422	4.416	0.006	97	44242	5.00	5.81	
29 Methyl tert-butyl ether	73	4.483	4.477	0.006	97	304226	2.00	1.96	
30 trans-1,2-Dichloroethene	96	4.501	4.495	0.006	98	131610	2.00	1.93	
31 Hexane	57	4.915	4.915	0.000	95	180035	2.00	2.00	
32 1,1-Dichloroethane	63	5.153	5.147	0.006	96	249646	2.00	2.02	
35 Isopropyl ether	45	5.214	5.214	0.000	92	410537	2.00	1.99	
36 2-Chloro-1,3-butadiene	53	5.269	5.263	0.006	93	205252	2.00	1.96	
37 Tert-butyl ethyl ether	59	5.744	5.751	-0.007	97	284598	2.00	1.99	
38 2-Butanone (MEK)	43	5.958	5.958	0.000	100	259100	20.0	22.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 cis-1,2-Dichloroethene	96	5.988	5.982	0.006	83	146693	2.00	1.97	
40 2,2-Dichloropropane	77	6.007	5.995	0.012	88	223631	2.00	1.99	
43 Propionitrile	54	6.061	6.056	0.005	98	114151	40.0	42.6	
S 41 1,2-Dichloroethene, Total	100				0			3.90	
45 Methacrylonitrile	67	6.250	6.244	0.006	93	299318	20.0	24.3	
46 Chlorobromomethane	128	6.318	6.318	0.000	87	67134	2.00	1.94	
47 Tetrahydrofuran	71	6.342	6.330	0.012	89	38813	10.0	10.9	
48 Chloroform	83	6.470	6.464	0.006	94	249917	2.00	1.97	
\$ 49 Dibromofluoromethane (Surr)	113	6.683	6.677	0.006	93	617342	10.0	9.92	
50 1,1,1-Trichloroethane	97	6.689	6.690	-0.001	98	239759	2.00	2.00	
51 Cyclohexane	56	6.793	6.793	0.000	92	222305	2.00	1.95	
53 1,1-Dichloropropene	75	6.909	6.903	0.006	93	184421	2.00	1.98	
54 Carbon tetrachloride	117	6.903	6.909	-0.006	95	220533	2.00	1.99	
55 Isobutyl alcohol	41	7.092	7.092	0.000	91	67949	100.0	93.2	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.128	7.135	-0.007	70	119524	10.0	10.1	
57 Benzene	78	7.165	7.165	0.000	96	545546	2.00	2.00	
58 1,2-Dichloroethane	62	7.238	7.238	0.000	97	162578	2.00	1.95	
60 Tert-amyl methyl ether	73	7.366	7.354	0.012	98	223543	2.00	2.02	
* 61 Fluorobenzene (IS)	96	7.567	7.567	0.000	98	2349279	10.0	10.0	
62 n-Heptane	43	7.586	7.580	0.006	92	179673	2.00	1.92	
63 n-Butanol	56	7.988	7.976	0.012	88	95379	175.0	180.9	
64 Trichloroethene	95	8.049	8.049	0.000	96	154058	2.00	2.01	
65 Methylcyclohexane	83	8.360	8.360	0.000	91	253260	2.00	2.00	
66 1,2-Dichloropropane	63	8.384	8.378	0.006	92	138522	2.00	2.02	
67 Methyl methacrylate	69	8.476	8.464	0.012	90	63530	2.00	2.55	
69 Dibromomethane	93	8.494	8.488	0.006	92	70654	2.00	2.01	
68 1,4-Dioxane	88	8.512	8.537	-0.025	33	24121	100.0	147.1	
71 Dichlorobromomethane	83	8.726	8.726	0.000	98	181572	2.00	2.00	
72 2-Nitropropane	41	8.994	8.994	0.000	100	103136	10.0	11.6	
75 1-Bromo-2-chloroethane	63	9.122	9.122	0.000	99	131348	2.00	2.03	
76 cis-1,3-Dichloropropene	75	9.280	9.280	0.000	94	209411	2.00	1.99	
77 4-Methyl-2-pentanone (MIBK)	43	9.451	9.451	0.000	98	832319	20.0	24.3	
\$ 78 Toluene-d8 (Surr)	98	9.591	9.591	0.000	94	2373030	10.0	10.0	
79 Toluene	92	9.671	9.671	0.000	98	365184	2.00	1.99	
97 trans-1,3-Dichloropropene	75	9.933	9.933	0.000	96	173460	2.00	1.95	
99 Ethyl methacrylate	69	10.000	9.994	0.006	89	131292	2.00	1.90	
S 98 1,3-Dichloropropene, Total	100				0			3.94	
100 1,1,2-Trichloroethane	97	10.140	10.134	0.006	91	100211	2.00	2.00	
101 Tetrachloroethene	166	10.225	10.225	0.000	97	195634	2.00	1.98	
102 1,3-Dichloropropane	76	10.298	10.299	-0.001	93	163140	2.00	1.98	
103 2-Hexanone	43	10.353	10.353	0.000	98	579187	20.0	24.2	
105 Chlorodibromomethane	129	10.518	10.518	0.000	89	135111	2.00	1.96	
106 Ethylene Dibromide	107	10.628	10.628	0.000	98	95514	2.00	1.97	
* 107 Chlorobenzene-d5 (IS)	117	11.061	11.061	-0.001	87	1844928	10.0	10.0	
108 1-Chlorohexane	91	11.073	11.073	0.000	97	200092	2.00	1.90	
109 Chlorobenzene	112	11.085	11.091	-0.006	96	414157	2.00	1.97	
111 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	94	153746	2.00	1.99	
112 Ethylbenzene	91	11.176	11.176	0.000	98	699641	2.00	1.96	
S 110 Xylenes, Total	106				0			5.98	
113 m-Xylene & p-Xylene	106	11.292	11.292	0.000	93	569407	4.00	4.01	
114 o-Xylene	106	11.621	11.621	0.000	96	274369	2.00	1.97	
115 Styrene	104	11.640	11.634	0.006	95	417331	2.00	1.94	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 Bromoform	173	11.792	11.792	0.000	97	85160	2.00	1.90	
117 Isopropylbenzene	105	11.920	11.920	0.000	96	731109	2.00	2.00	
\$ 120 4-Bromofluorobenzene (Surr)	95	12.066	12.067	-0.001	96	855599	10.0	9.88	
121 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	94	120006	2.00	1.93	
122 Bromobenzene	156	12.182	12.182	0.000	96	181668	2.00	1.96	
123 trans-1,4-Dichloro-2-butene	53	12.194	12.188	0.006	93	332224	20.0	24.7	
124 1,2,3-Trichloropropane	110	12.213	12.213	0.000	83	33764	2.00	1.92	
125 N-Propylbenzene	91	12.249	12.249	0.000	99	807760	2.00	1.99	
126 2-Chlorotoluene	126	12.329	12.329	0.000	97	177588	2.00	2.02	
127 1,3,5-Trimethylbenzene	105	12.390	12.384	0.006	94	609124	2.00	2.00	
128 4-Chlorotoluene	126	12.420	12.420	0.000	97	174789	2.00	1.99	
129 tert-Butylbenzene	134	12.627	12.627	0.000	93	150650	2.00	1.99	
130 Pentachloroethane	167	12.664	12.664	0.000	92	119732	2.00	2.04	
131 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	624102	2.00	1.99	
132 sec-Butylbenzene	105	12.792	12.792	0.000	94	785059	2.00	2.03	
133 1,3-Dichlorobenzene	146	12.889	12.890	-0.001	99	339776	2.00	1.95	
134 4-Isopropyltoluene	119	12.902	12.902	0.000	97	681258	2.00	1.97	
* 135 1,4-Dichlorobenzene-d4	152	12.950	12.944	0.006	94	1126529	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.963	12.963	0.000	96	335121	2.00	1.97	
137 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	97	286323	2.00	1.98	
138 Benzyl chloride	126	13.042	13.042	0.000	99	48767	2.00	1.99	
139 n-Butylbenzene	92	13.194	13.188	0.006	97	295236	2.00	1.94	
140 1,2-Dichlorobenzene	146	13.225	13.225	0.000	98	324822	2.00	1.96	
142 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	87	19053	2.00	1.87	
143 1,3,5-Trichlorobenzene	180	13.895	13.889	0.006	97	259052	2.00	1.96	
144 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	210756	2.00	1.99	
145 Hexachlorobutadiene	225	14.395	14.395	0.000	96	116814	2.00	1.92	
146 Naphthalene	128	14.493	14.493	0.000	97	386386	2.00	1.96	
147 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	95	190876	2.00	1.98	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		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_00068	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00077	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00141	Amount Added: 2.00	Units: uL	
MSV_LLcentISS_00006	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X14.D

Injection Date: 21-Mar-2023 05:02:30

Instrument ID: 19930

Operator ID: mec29284

Lims ID: IC std4

Worklist Smp#: 15

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

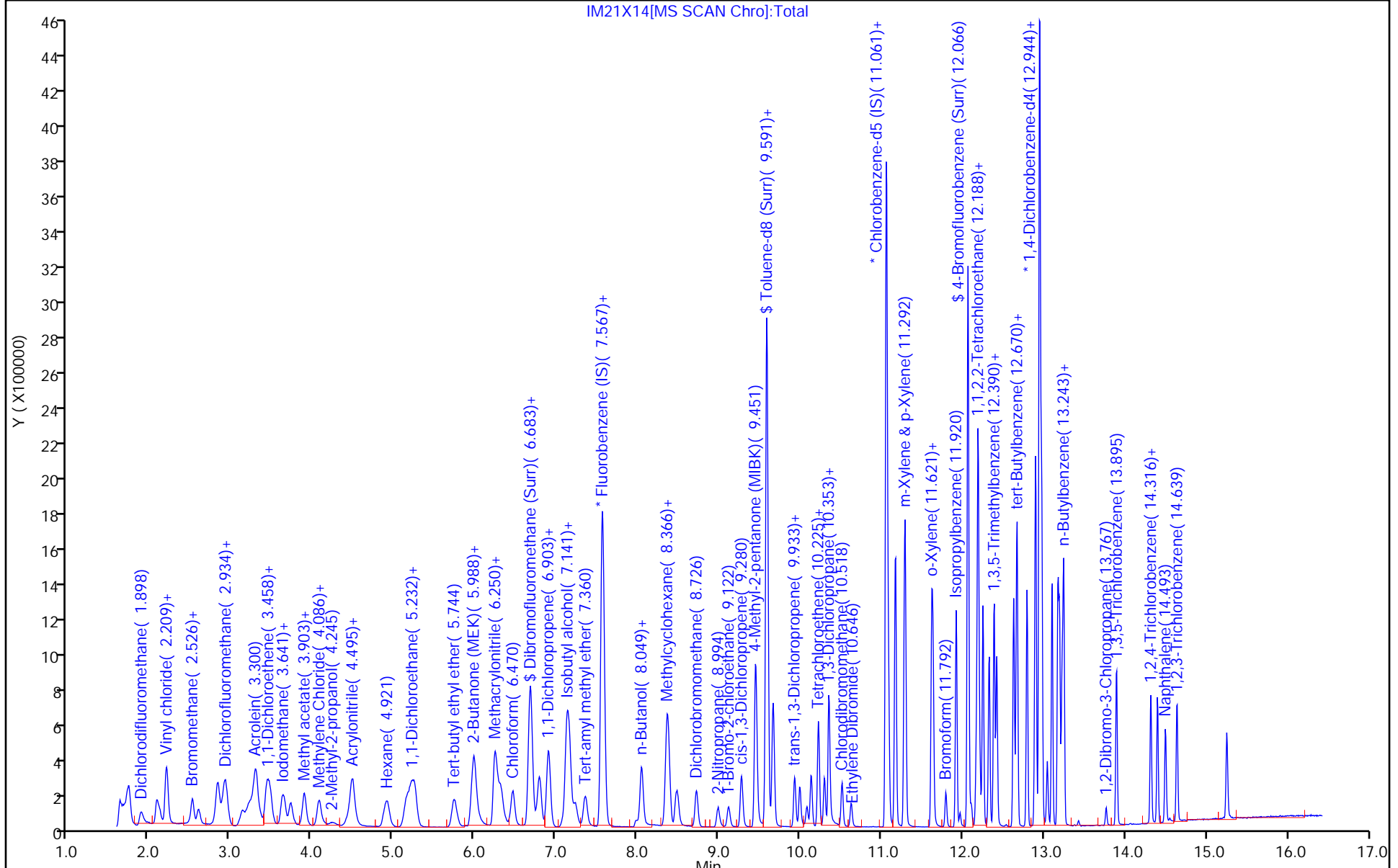
ALS Bottle#: 14

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC

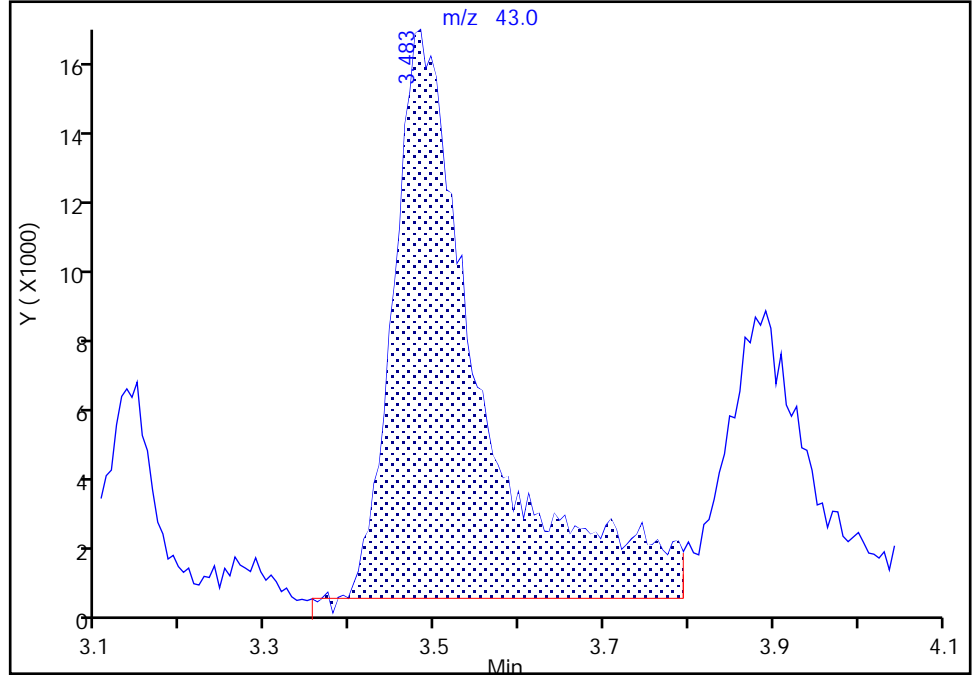
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Injection Date: 21-Mar-2023 05:02:30 Instrument ID: 19930
Lims ID: IC std4
Client ID:
Operator ID: mec29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

16 Acetone, CAS: 67-64-1

Signal: 1

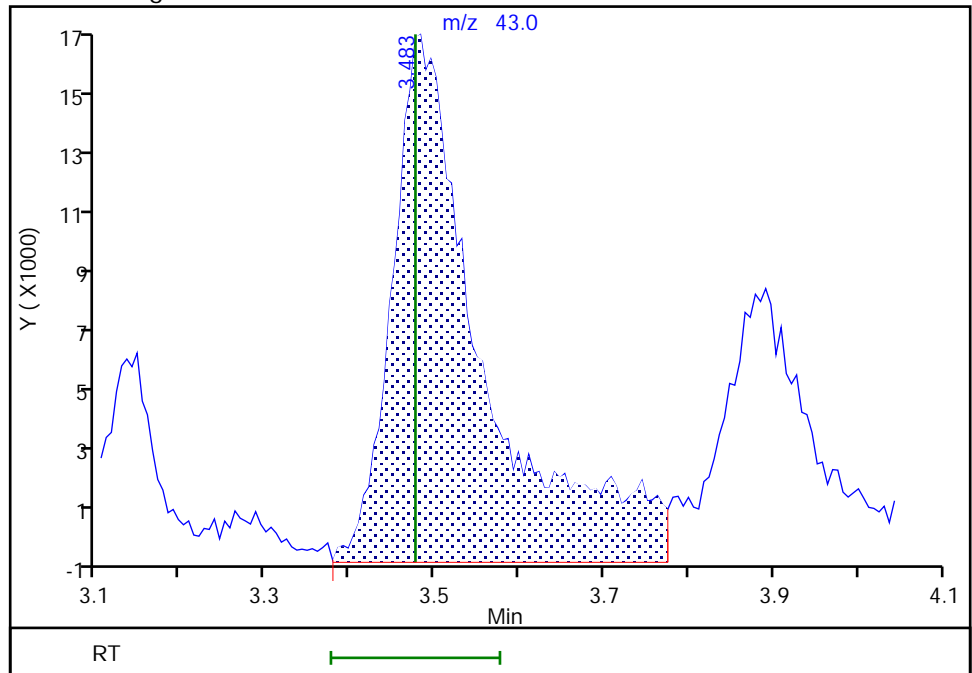
RT: 3.48
Area: 112128
Amount: 19.939760
Amount Units: ug/l

Processing Integration Results



RT: 3.48
Area: 119641
Amount: 19.115609
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 15:49:46
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

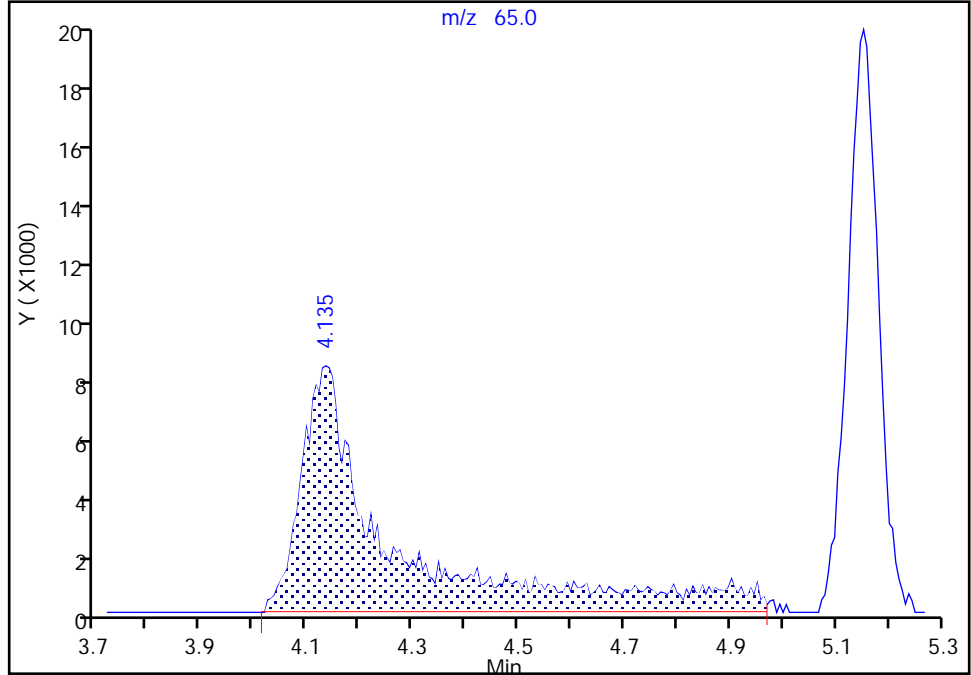
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X14.D
Injection Date: 21-Mar-2023 05:02:30 Instrument ID: 19930
Lims ID: IC std4
Client ID:
Operator ID: mec29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2
Signal: 1

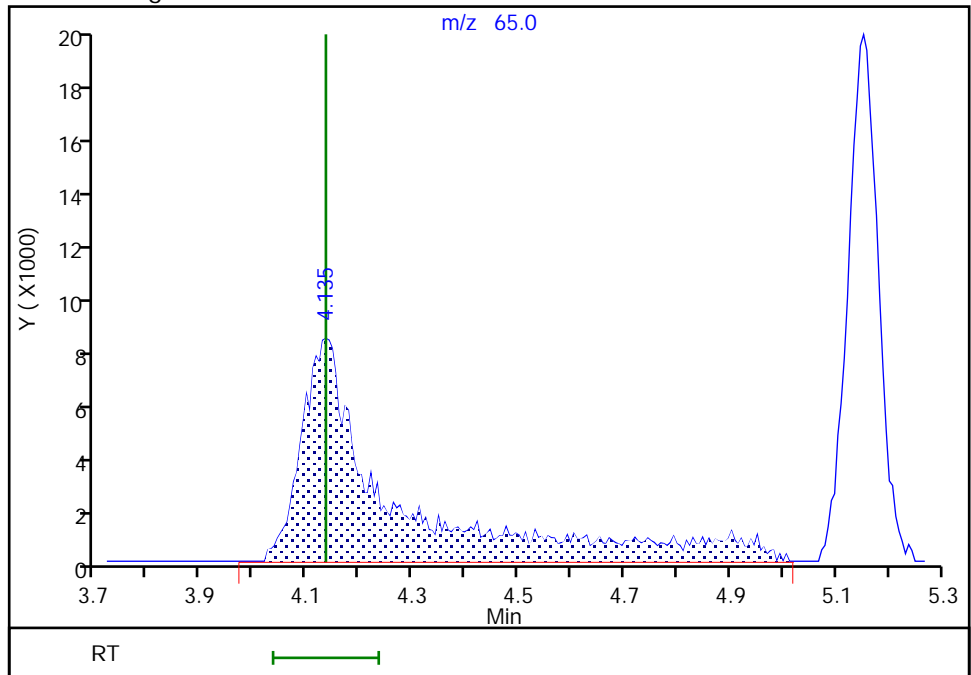
RT: 4.14
Area: 97150
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 4.14
Area: 97646
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:08:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X15.D
 Lims ID: IC std3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 21-Mar-2023 05:22:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0079468-016
 Operator ID: mec29284 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub2
 Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 21-Mar-2023 17:37:54 Calib Date: 21-Mar-2023 06:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1651

First Level Reviewer: K4WN

Date: 21-Mar-2023 15:54:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.898	1.898	0.000	99	86495	1.00	0.99	
4 Chloromethane	50	2.093	2.087	0.006	99	93366	1.00	0.9862	
5 Vinyl chloride	62	2.209	2.203	0.006	98	92540	1.00	1.00	
6 Butadiene	39	2.215	2.209	0.006	95	85079	1.00	1.01	
7 Bromomethane	94	2.532	2.526	0.006	92	69186	1.00	0.9662	
8 Chloroethane	64	2.611	2.599	0.012	99	56481	1.00	1.01	
9 Dichlorofluoromethane	67	2.843	2.837	0.006	97	148598	1.00	0.9887	
10 Trichlorofluoromethane	101	2.897	2.898	-0.001	96	147043	1.00	0.9861	
11 Ethyl ether	59	3.135	3.135	0.000	93	48693	1.00	1.00	
13 1,2-Dichloro-1,1,2-trifluoroethane	67	3.233	3.227	0.006	90	82703	1.00	0.99	
14 Acrolein	56	3.318	3.306	0.012	94	347847	50.0	48.9	
15 1,1-Dichloroethene	96	3.440	3.434	0.006	98	59105	1.00	0.9791	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.483	3.477	0.006	91	67263	1.00	0.9789	
16 Acetone	43	3.495	3.477	0.018	56	84658	10.0	9.86	M
18 Iodomethane	142	3.635	3.629	0.006	100	128674	1.00	0.9828	
19 Ethyl bromide	108	3.659	3.660	-0.001	99	56502	1.00	1.00	
20 Carbon disulfide	76	3.739	3.733	0.006	100	164019	1.00	0.9690	
23 Methyl acetate	43	3.891	3.879	0.012	26	28713	1.00	0.9339	M
24 3-Chloro-1-propene	41	3.909	3.897	0.012	88	96478	1.00	0.9492	
25 Methylene Chloride	84	4.092	4.086	0.006	93	64247	1.00	1.00	
* 26 t-Butyl alcohol-d10 (IS)	65	4.178	4.135	0.043	98	134008	50.0	50.0	
27 2-Methyl-2-propanol	59	4.257	4.263	-0.006	82	43696	20.0	15.6	
28 Acrylonitrile	53	4.440	4.416	0.024	98	25512	2.50	2.44	
29 Methyl tert-butyl ether	73	4.482	4.477	0.005	98	156908	1.00	1.01	
30 trans-1,2-Dichloroethene	96	4.501	4.495	0.006	98	67605	1.00	1.00	
31 Hexane	57	4.921	4.915	0.006	94	88054	1.00	0.9822	
32 1,1-Dichloroethane	63	5.159	5.147	0.012	96	122273	1.00	0.99	
35 Isopropyl ether	45	5.220	5.214	0.006	93	207307	1.00	1.01	
36 2-Chloro-1,3-butadiene	53	5.269	5.263	0.006	93	103414	1.00	0.99	
37 Tert-butyl ethyl ether	59	5.744	5.751	-0.007	97	149693	1.00	1.05	
38 2-Butanone (MEK)	43	5.970	5.958	0.012	96	155219	10.0	9.79	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 cis-1,2-Dichloroethene	96	5.994	5.982	0.012	82	74915	1.00	1.01	
40 2,2-Dichloropropane	77	6.007	5.995	0.012	78	109766	1.00	0.9794	
43 Propionitrile	54	6.068	6.056	0.012	97	76235	20.0	20.7	
S 41 1,2-Dichloroethene, Total	100				0			2.00	
45 Methacrylonitrile	67	6.250	6.244	0.006	91	161032	10.0	9.53	
46 Chlorobromomethane	128	6.324	6.318	0.006	88	34201	1.00	0.9895	
47 Tetrahydrofuran	71	6.342	6.330	0.012	78	24916	5.00	5.12	
48 Chloroform	83	6.470	6.464	0.006	95	126047	1.00	1.00	
\$ 49 Dibromofluoromethane (Surr)	113	6.683	6.677	0.006	94	628564	10.0	10.1	
50 1,1,1-Trichloroethane	97	6.702	6.690	0.012	97	116847	1.00	0.9770	
51 Cyclohexane	56	6.799	6.793	0.006	91	110675	1.00	0.9728	
53 1,1-Dichloropropene	75	6.909	6.903	0.006	91	91929	1.00	0.9880	
54 Carbon tetrachloride	117	6.909	6.909	0.000	95	107065	1.00	0.9671	
55 Isobutyl alcohol	41	7.104	7.092	0.012	36	43526	50.0	43.5	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.128	7.135	-0.007	67	120346	10.0	10.2	
57 Benzene	78	7.165	7.165	0.000	96	270461	1.00	1.00	
58 1,2-Dichloroethane	62	7.238	7.238	0.000	97	82648	1.00	0.99	
60 Tert-amyl methyl ether	73	7.360	7.354	0.006	97	116974	1.00	1.06	
* 61 Fluorobenzene (IS)	96	7.567	7.567	0.000	98	2343275	10.0	10.0	
62 n-Heptane	43	7.586	7.580	0.006	39	84633	1.00	0.9056	
63 n-Butanol	56	8.018	7.976	0.042	79	59654	87.5	82.4	
64 Trichloroethene	95	8.049	8.049	0.000	95	74939	1.00	0.9782	
65 Methylcyclohexane	83	8.360	8.360	0.000	91	119159	1.00	0.9444	
66 1,2-Dichloropropane	63	8.378	8.378	0.000	89	68300	1.00	1.00	
67 Methyl methacrylate	69	8.482	8.464	0.018	88	28442	1.00	0.8305	
69 Dibromomethane	93	8.494	8.488	0.006	92	35015	1.00	1.00	
68 1,4-Dioxane	88	8.634	8.537	0.097	41	15576	50.0	69.2	
71 Dichlorobromomethane	83	8.726	8.726	0.000	97	87831	1.00	0.9678	
72 2-Nitropropane	41	9.000	8.994	0.006	99	54719	5.00	4.47	
75 1-Bromo-2-chloroethane	63	9.116	9.122	-0.006	99	62211	1.00	0.9631	
76 cis-1,3-Dichloropropene	75	9.280	9.280	0.000	94	102636	1.00	0.9791	
77 4-Methyl-2-pentanone (MIBK)	43	9.457	9.451	0.006	98	438008	10.0	9.32	
\$ 78 Toluene-d8 (Surr)	98	9.591	9.591	0.000	94	2341910	10.0	10.0	
79 Toluene	92	9.671	9.671	-0.001	98	182395	1.00	1.01	
97 trans-1,3-Dichloropropene	75	9.933	9.933	0.000	95	85183	1.00	0.9714	
99 Ethyl methacrylate	69	10.000	9.994	0.006	89	65507	1.00	0.9626	
S 98 1,3-Dichloropropene, Total	100				0			1.95	
100 1,1,2-Trichloroethane	97	10.140	10.134	0.006	91	50506	1.00	1.02	
101 Tetrachloroethene	166	10.225	10.225	0.000	98	96104	1.00	0.9876	
102 1,3-Dichloropropane	76	10.305	10.299	0.006	91	81544	1.00	1.00	
103 2-Hexanone	43	10.359	10.353	0.006	98	315875	10.0	9.64	
105 Chlorodibromomethane	129	10.518	10.518	0.000	91	64701	1.00	0.9515	
106 Ethylene Dibromide	107	10.628	10.628	0.000	97	48995	1.00	1.02	
* 107 Chlorobenzene-d5 (IS)	117	11.060	11.061	-0.001	86	1818962	10.0	10.0	
108 1-Chlorohexane	91	11.073	11.073	0.000	96	99428	1.00	0.9562	
109 Chlorobenzene	112	11.091	11.091	0.000	96	203081	1.00	0.9787	
111 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	93	75882	1.00	0.99	
112 Ethylbenzene	91	11.176	11.176	0.000	99	346280	1.00	0.9850	
S 110 Xylenes, Total	106				0			3.00	
113 m-Xylene & p-Xylene	106	11.292	11.292	0.000	93	280576	2.00	2.00	
114 o-Xylene	106	11.621	11.621	0.000	96	136591	1.00	1.00	
115 Styrene	104	11.640	11.634	0.006	95	201308	1.00	0.9476	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 Bromoform	173	11.792	11.792	0.000	96	41999	1.00	0.9480	
117 Isopropylbenzene	105	11.920	11.920	0.000	96	350685	1.00	0.9754	
\$ 120 4-Bromofluorobenzene (Surr)	95	12.066	12.067	-0.001	96	852245	10.0	9.98	
121 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	96	62163	1.00	1.00	
122 Bromobenzene	156	12.182	12.182	0.000	92	89737	1.00	0.9662	
123 trans-1,4-Dichloro-2-butene	53	12.194	12.188	0.006	95	166532	10.0	9.01	M
124 1,2,3-Trichloropropane	110	12.213	12.213	0.000	82	17353	1.00	0.9871	
125 N-Propylbenzene	91	12.249	12.249	0.000	99	392220	1.00	0.9621	
126 2-Chlorotoluene	126	12.329	12.329	0.000	97	85856	1.00	0.9756	
127 1,3,5-Trimethylbenzene	105	12.389	12.384	0.005	95	301256	1.00	0.9863	
128 4-Chlorotoluene	126	12.420	12.420	0.000	98	85059	1.00	0.9686	
129 tert-Butylbenzene	134	12.627	12.627	0.000	93	72093	1.00	0.9526	
130 Pentachloroethane	167	12.658	12.664	-0.006	80	55674	1.00	0.9485	
131 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	303547	1.00	0.9676	
132 sec-Butylbenzene	105	12.792	12.792	0.000	94	372950	1.00	0.9603	
133 1,3-Dichlorobenzene	146	12.895	12.890	0.005	99	167155	1.00	0.9579	
134 4-Isopropyltoluene	119	12.902	12.902	0.000	97	333364	1.00	0.9608	
* 135 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	1128630	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.963	12.963	0.000	96	163590	1.00	0.9590	
137 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	98	137229	1.00	0.9460	
138 Benzyl chloride	126	13.042	13.042	0.000	99	23595	1.00	0.9619	
139 n-Butylbenzene	92	13.188	13.188	0.000	97	140431	1.00	0.9214	
140 1,2-Dichlorobenzene	146	13.225	13.225	0.000	98	156806	1.00	0.9466	
142 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	85	10369	1.00	1.02	
143 1,3,5-Trichlorobenzene	180	13.895	13.889	0.006	98	126816	1.00	0.9594	
144 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	93	100826	1.00	0.9485	
145 Hexachlorobutadiene	225	14.395	14.395	0.000	96	57361	1.00	0.9402	
146 Naphthalene	128	14.499	14.493	0.006	97	201570	1.00	1.02	
147 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	96	95399	1.00	0.9884	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		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_00068

Amount Added: 2.00

Units: uL

MSV_LL_#2_826_00077

Amount Added: 2.00

Units: uL

MSV_LL_GAS826_00141

Amount Added: 2.00

Units: uL

MSV_LLcentISS_00006

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X15.D

Injection Date: 21-Mar-2023 05:22:30

Instrument ID: 19930

Operator ID: mec29284

Lims ID: IC std3

Worklist Smp#: 16

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

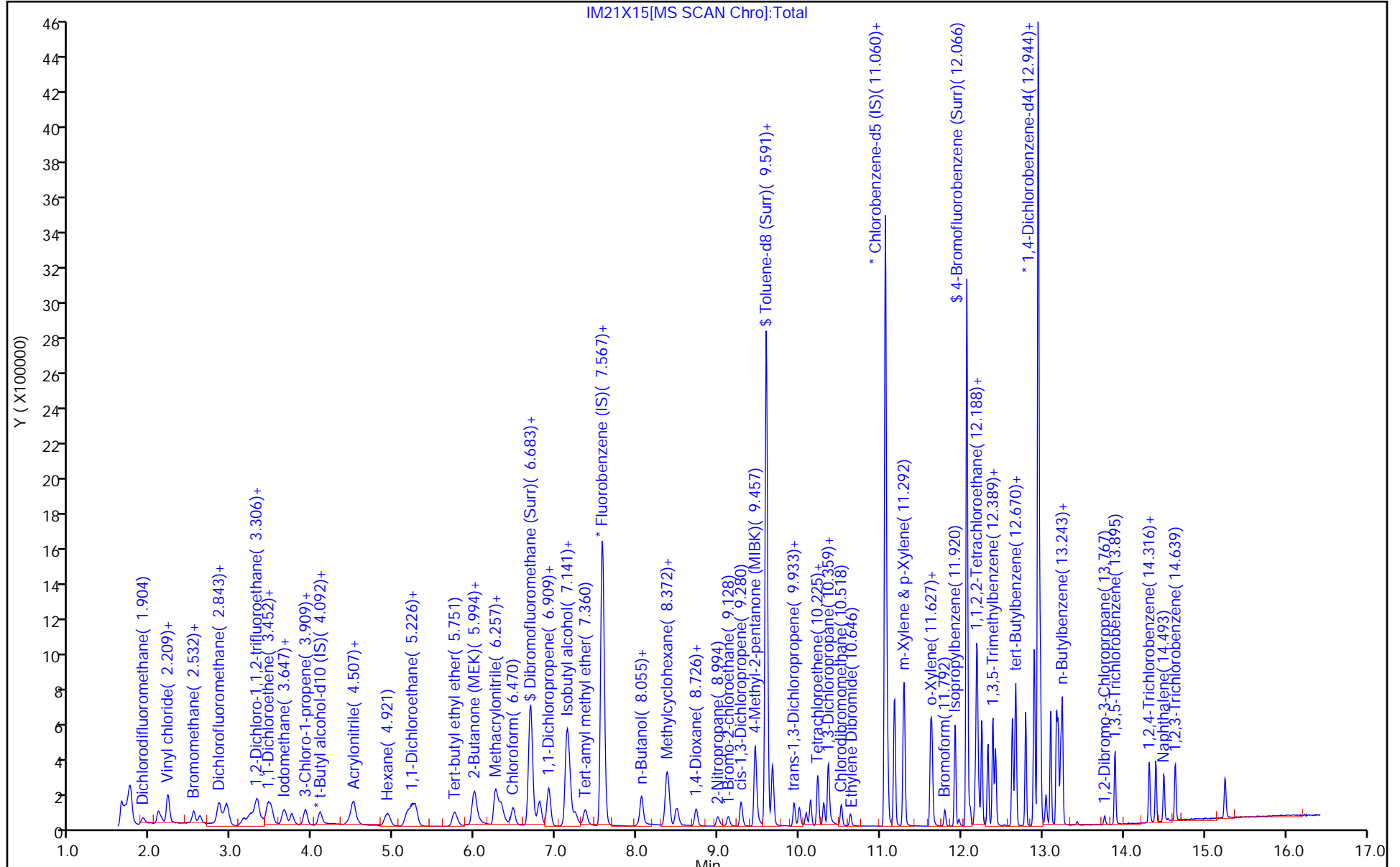
ALS Bottle#: 15

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC

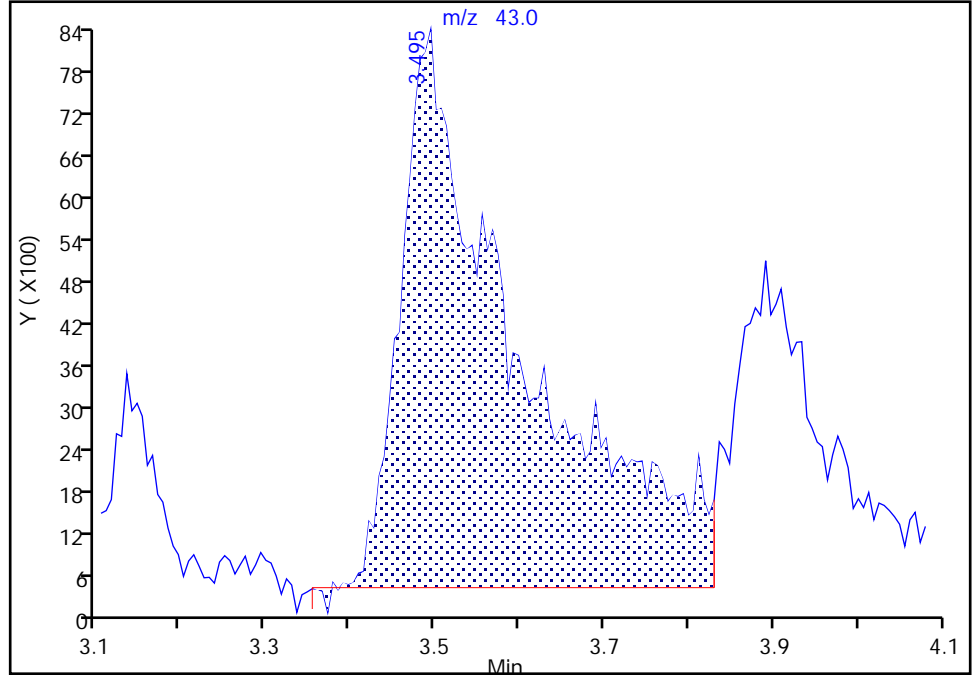
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Injection Date: 21-Mar-2023 05:22:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: mec29284 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

16 Acetone, CAS: 67-64-1

Signal: 1

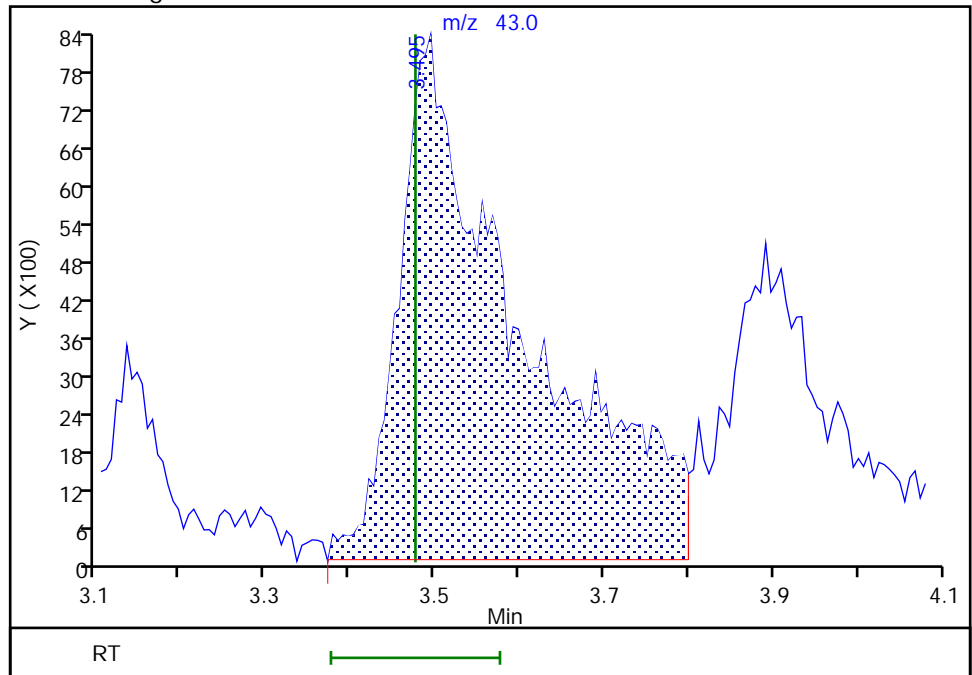
RT: 3.49
Area: 78570
Amount: 8.960887
Amount Units: ug/l

Processing Integration Results



RT: 3.49
Area: 84658
Amount: 9.855981
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 15:52:06
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

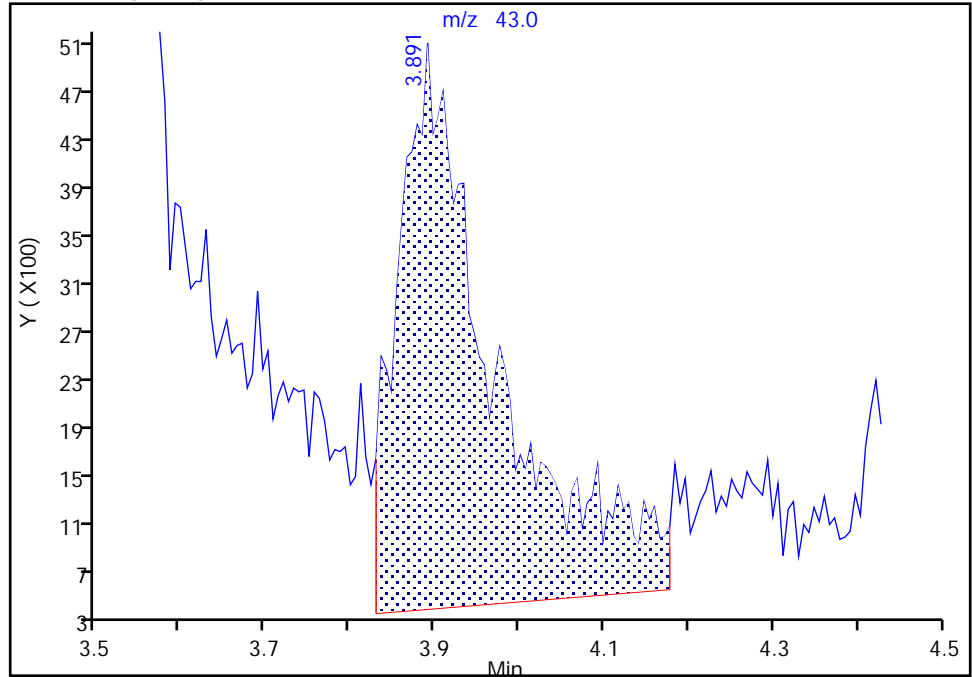
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\1M21X15.D
Injection Date: 21-Mar-2023 05:22:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: mec29284 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

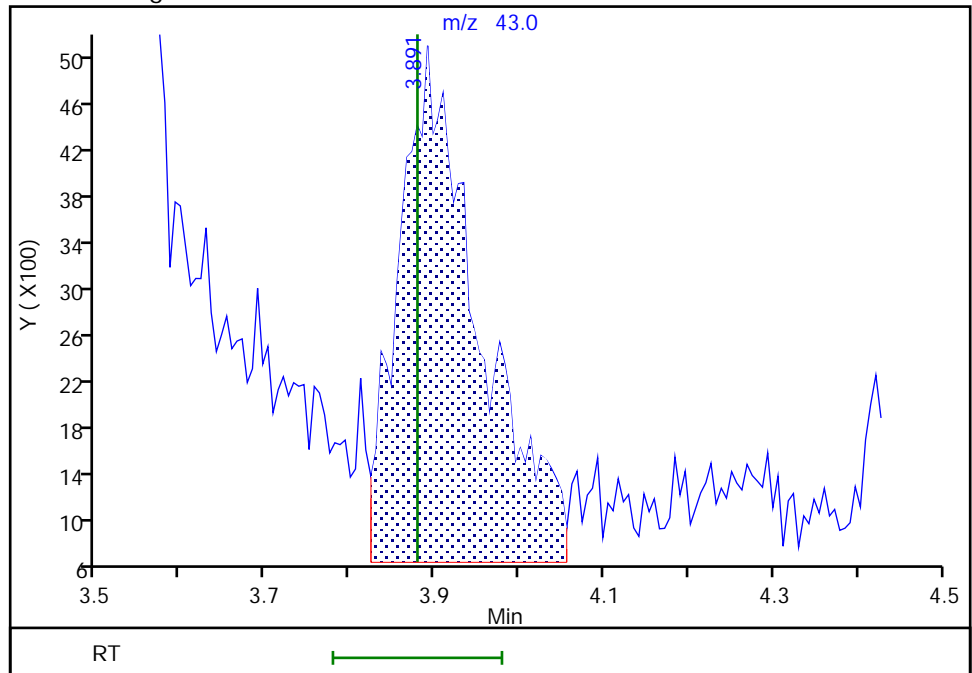
RT: 3.89
Area: 37538
Amount: 1.249303
Amount Units: ug/l

Processing Integration Results



RT: 3.89
Area: 28713
Amount: 0.933875
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 15:52:27
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

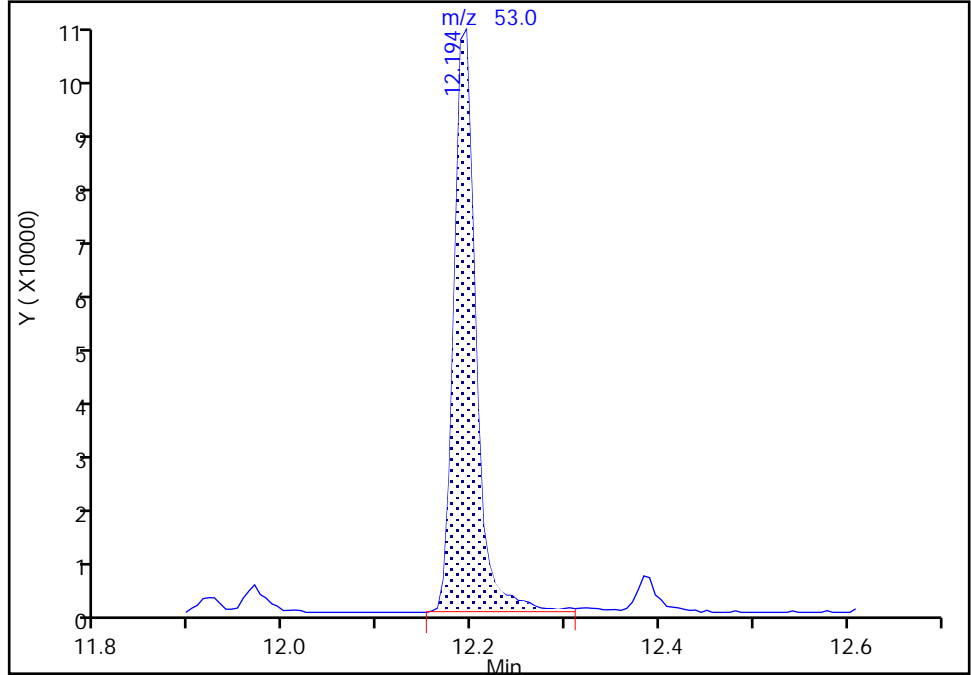
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Injection Date: 21-Mar-2023 05:22:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: mec29284 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

123 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

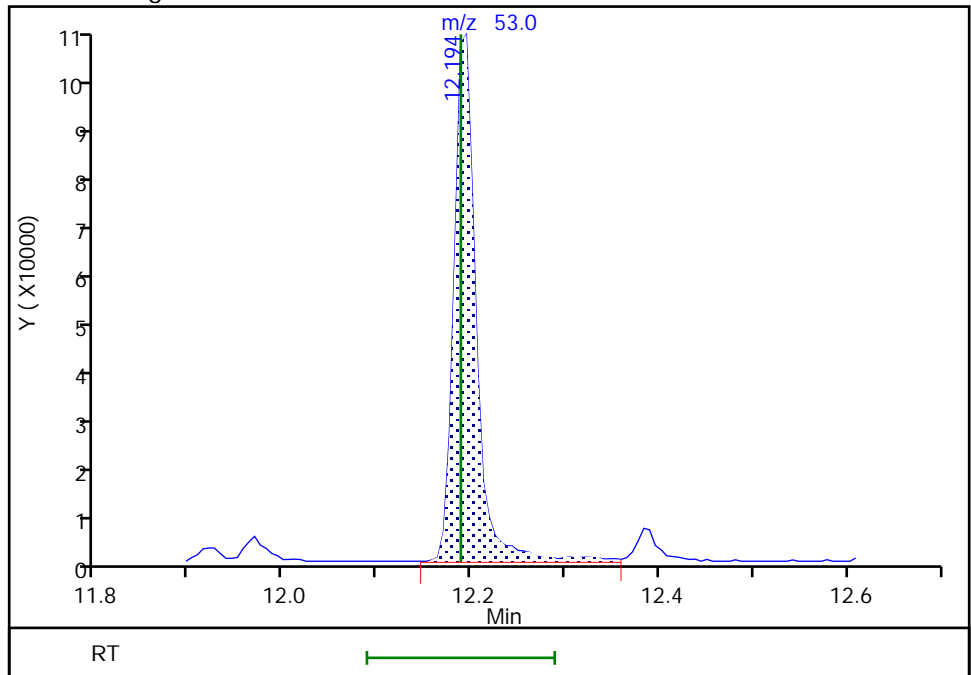
RT: 12.19
Area: 164852
Amount: 8.864562
Amount Units: ug/l

Processing Integration Results



RT: 12.19
Area: 166532
Amount: 9.014690
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:27:01
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\19930\20230321-79468.b\IM21X16.D
 Lims ID: IC std2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 21-Mar-2023 05:42:30 ALS Bottle#: 16 Worklist Smp#: 17
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0079468-017
 Operator ID: mec29284 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub2
 Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 21-Mar-2023 17:38:00 Calib Date: 21-Mar-2023 06:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1651

First Level Reviewer: K4WN

Date: 21-Mar-2023 15:56:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.910	1.898	0.012	99	41469	0.5000	0.4816	
4 Chloromethane	50	2.093	2.087	0.006	99	48039	0.5000	0.5146	
5 Vinyl chloride	62	2.209	2.203	0.006	97	46214	0.5000	0.5077	
6 Butadiene	39	2.221	2.209	0.012	97	42370	0.5000	0.5088	
7 Bromomethane	94	2.532	2.526	0.006	90	35058	0.5000	0.4965	
8 Chloroethane	64	2.611	2.599	0.012	99	27735	0.5000	0.5013	
9 Dichlorofluoromethane	67	2.849	2.837	0.012	96	75447	0.5000	0.5091	
10 Trichlorofluoromethane	101	2.910	2.898	0.012	97	73208	0.5000	0.4979	
11 Ethyl ether	59	3.147	3.135	0.012	92	23667	0.5000	0.4915	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.233	3.227	0.006	88	41867	0.5000	0.5094	
14 Acrolein	56	3.318	3.306	0.012	94	186326	25.0	22.9	
15 1,1-Dichloroethene	96	3.452	3.434	0.018	98	31308	0.5000	0.5260	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.489	3.477	0.012	91	33597	0.5000	0.4959	
16 Acetone	43	3.483	3.477	0.006	85	53587	5.00	5.45	
18 Iodomethane	142	3.635	3.629	0.006	99	67478	0.5000	0.5227	
19 Ethyl bromide	108	3.666	3.660	0.006	81	28335	0.5010	0.5101	
20 Carbon disulfide	76	3.745	3.733	0.012	100	86787	0.5000	0.5200	
23 Methyl acetate	43	3.885	3.879	0.006	23	15241	0.5000	0.4328	M
24 3-Chloro-1-propene	41	3.916	3.897	0.019	88	53339	0.5000	0.5322	
25 Methylene Chloride	84	4.092	4.086	0.006	96	32518	0.5000	0.5142	
* 26 t-Butyl alcohol-d10 (IS)	65	4.117	4.135	-0.018	94	153492	50.0	50.0	
27 2-Methyl-2-propanol	59	4.233	4.263	-0.030	98	39817	10.0	12.4	
28 Acrylonitrile	53	4.464	4.416	0.048	60	14375	1.25	1.20	M
29 Methyl tert-butyl ether	73	4.483	4.477	0.006	95	78046	0.5000	0.5100	
30 trans-1,2-Dichloroethene	96	4.495	4.495	0.000	98	35040	0.5000	0.5232	
31 Hexane	57	4.921	4.915	0.006	95	43907	0.5000	0.4967	
32 1,1-Dichloroethane	63	5.159	5.147	0.012	95	60447	0.5000	0.4975	
35 Isopropyl ether	45	5.220	5.214	0.006	91	104135	0.5000	0.5132	
36 2-Chloro-1,3-butadiene	53	5.269	5.263	0.006	93	52111	0.5000	0.5063	
37 Tert-butyl ethyl ether	59	5.751	5.751	0.000	96	67835	0.5000	0.4820	
38 2-Butanone (MEK)	43	5.964	5.958	0.006	98	80192	5.00	4.41	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 cis-1,2-Dichloroethene	96	6.001	5.982	0.019	83	37492	0.5000	0.5122	
40 2,2-Dichloropropane	77	6.001	5.995	0.006	72	56427	0.5000	0.5106	
43 Propionitrile	54	6.068	6.056	0.012	91	39618	10.0	9.40	
S 41 1,2-Dichloroethene, Total	100				0			1.04	
45 Methacrylonitrile	67	6.250	6.244	0.006	90	77948	5.00	4.03	
46 Chlorobromomethane	128	6.330	6.318	0.012	91	17972	0.5000	0.5273	
47 Tetrahydrofuran	71	6.348	6.330	0.018	79	12890	2.50	2.31	
48 Chloroform	83	6.470	6.464	0.006	95	64800	0.5000	0.5191	
\$ 49 Dibromofluoromethane (Surr)	113	6.683	6.677	0.006	94	615761	10.0	10.1	
50 1,1,1-Trichloroethane	97	6.702	6.690	0.012	97	59704	0.5000	0.5063	
51 Cyclohexane	56	6.799	6.793	0.006	91	56413	0.5000	0.5029	
53 1,1-Dichloropropene	75	6.909	6.903	0.006	90	46595	0.5000	0.5078	
54 Carbon tetrachloride	117	6.909	6.909	0.000	95	54150	0.5000	0.4961	
55 Isobutyl alcohol	41	7.067	7.092	-0.025	83	34050	25.0	29.7	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.128	7.135	-0.007	83	118620	10.0	10.2	
57 Benzene	78	7.165	7.165	0.000	96	137309	0.5000	0.5125	
58 1,2-Dichloroethane	62	7.232	7.238	-0.006	96	41807	0.5000	0.5088	
60 Tert-amyl methyl ether	73	7.366	7.354	0.012	98	50293	0.5000	0.4631	a
* 61 Fluorobenzene (IS)	96	7.567	7.567	0.000	99	2310552	10.0	10.0	
62 n-Heptane	43	7.586	7.580	0.006	37	45320	0.5000	0.4918	
63 n-Butanol	56	7.988	7.976	0.012	95	32752	43.8	39.5	M
64 Trichloroethene	95	8.055	8.049	0.006	96	39424	0.5000	0.5219	
65 Methylcyclohexane	83	8.360	8.360	0.000	90	62717	0.5000	0.5041	
66 1,2-Dichloropropane	63	8.372	8.378	-0.006	89	33813	0.5000	0.5009	
67 Methyl methacrylate	69	8.482	8.464	0.018	88	14764	0.5000	0.3764	
69 Dibromomethane	93	8.494	8.488	0.006	89	17182	0.5000	0.4974	
68 1,4-Dioxane	88	8.518	8.537	-0.019	33	6296	25.0	24.4	M
71 Dichlorobromomethane	83	8.726	8.726	0.000	98	44403	0.5000	0.4962	
72 2-Nitropropane	41	8.994	8.994	0.000	96	30678	2.50	2.19	
75 1-Bromo-2-chloroethane	63	9.128	9.122	0.006	98	32122	0.5000	0.5044	
76 cis-1,3-Dichloropropene	75	9.280	9.280	0.000	93	48720	0.5000	0.4713	
77 4-Methyl-2-pentanone (MIBK)	43	9.457	9.451	0.006	98	220574	5.00	4.10	
\$ 78 Toluene-d8 (Surr)	98	9.591	9.591	0.000	94	2318546	10.0	10.1	
79 Toluene	92	9.671	9.671	0.000	98	89746	0.5000	0.5082	
97 trans-1,3-Dichloropropene	75	9.939	9.933	0.006	95	40458	0.5000	0.4717	
99 Ethyl methacrylate	69	10.000	9.994	0.006	88	33758	0.5000	0.5072	
S 98 1,3-Dichloropropene, Total	100				0			0.9431	
100 1,1,2-Trichloroethane	97	10.140	10.134	0.006	94	24817	0.5000	0.5139	
101 Tetrachloroethene	166	10.231	10.225	0.006	98	49201	0.5000	0.5169	
102 1,3-Dichloropropane	76	10.305	10.299	0.006	91	40890	0.5000	0.5136	
103 2-Hexanone	43	10.359	10.353	0.006	98	151162	5.00	4.03	
105 Chlorodibromomethane	129	10.518	10.518	0.000	89	32144	0.5000	0.4833	
106 Ethylene Dibromide	107	10.634	10.628	0.006	99	23525	0.5000	0.5026	
* 107 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	86	1779098	10.0	10.0	
108 1-Chlorohexane	91	11.073	11.073	0.000	95	53107	0.5000	0.5221	
109 Chlorobenzene	112	11.091	11.091	0.000	97	104524	0.5000	0.5150	
111 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	92	36378	0.5000	0.4875	
112 Ethylbenzene	91	11.176	11.176	0.000	98	176617	0.5000	0.5137	
S 110 Xylenes, Total	106				0			1.50	
113 m-Xylene & p-Xylene	106	11.292	11.292	0.000	93	136602	1.00	1.00	
114 o-Xylene	106	11.621	11.621	0.000	96	67339	0.5000	0.5027	
115 Styrene	104	11.640	11.634	0.006	95	101109	0.5000	0.4866	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 Bromoform	173	11.798	11.792	0.006	96	20086	0.5000	0.4635	
117 Isopropylbenzene	105	11.920	11.920	0.000	96	173040	0.5000	0.4921	
\$ 120 4-Bromofluorobenzene (Surr)	95	12.066	12.067	-0.001	96	839517	10.0	10.1	
121 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	95	31254	0.5000	0.5156	
122 Bromobenzene	156	12.182	12.182	0.000	91	44356	0.5000	0.4901	
123 trans-1,4-Dichloro-2-butene	53	12.194	12.188	0.006	94	79110	5.00	3.74	
124 1,2,3-Trichloropropane	110	12.213	12.213	0.000	83	8741	0.5000	0.5102	
125 N-Propylbenzene	91	12.249	12.249	0.000	99	201563	0.5000	0.5074	
126 2-Chlorotoluene	126	12.329	12.329	0.000	97	42512	0.5000	0.4957	
127 1,3,5-Trimethylbenzene	105	12.390	12.384	0.006	94	147622	0.5000	0.4959	
128 4-Chlorotoluene	126	12.420	12.420	0.000	97	42302	0.5000	0.4943	
129 tert-Butylbenzene	134	12.627	12.627	0.000	93	36437	0.5000	0.4940	
130 Pentachloroethane	167	12.664	12.664	0.000	76	26396	0.5000	0.4615	
131 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	150530	0.5000	0.4924	
132 sec-Butylbenzene	105	12.792	12.792	0.000	94	183924	0.5000	0.4860	
133 1,3-Dichlorobenzene	146	12.896	12.890	0.006	97	81779	0.5000	0.4809	
134 4-Isopropyltoluene	119	12.902	12.902	0.000	97	162097	0.5000	0.4794	
* 135 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	1099896	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.963	12.963	0.000	95	82622	0.5000	0.4970	
137 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	97	71447	0.5000	0.5054	
138 Benzyl chloride	126	13.042	13.042	0.000	99	10655	0.5000	0.4457	
139 n-Butylbenzene	92	13.194	13.188	0.006	97	67525	0.5000	0.4546	
140 1,2-Dichlorobenzene	146	13.225	13.225	0.000	98	81474	0.5000	0.5047	
142 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	84	5204	0.5000	0.5231	
143 1,3,5-Trichlorobenzene	180	13.895	13.889	0.006	97	61109	0.5000	0.4744	
144 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	93	48648	0.5000	0.4696	
145 Hexachlorobutadiene	225	14.395	14.395	0.000	96	29455	0.5000	0.4954	
146 Naphthalene	128	14.499	14.493	0.006	96	92567	0.5000	0.4800	
147 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	95	44557	0.5000	0.4737	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		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_00068	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00077	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00141	Amount Added: 2.00	Units: uL	
MSV_LLcentISS_00006	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X16.D

Injection Date: 21-Mar-2023 05:42:30

Instrument ID: 19930

Operator ID: mec29284

Lims ID: IC std2

Worklist Smp#: 17

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

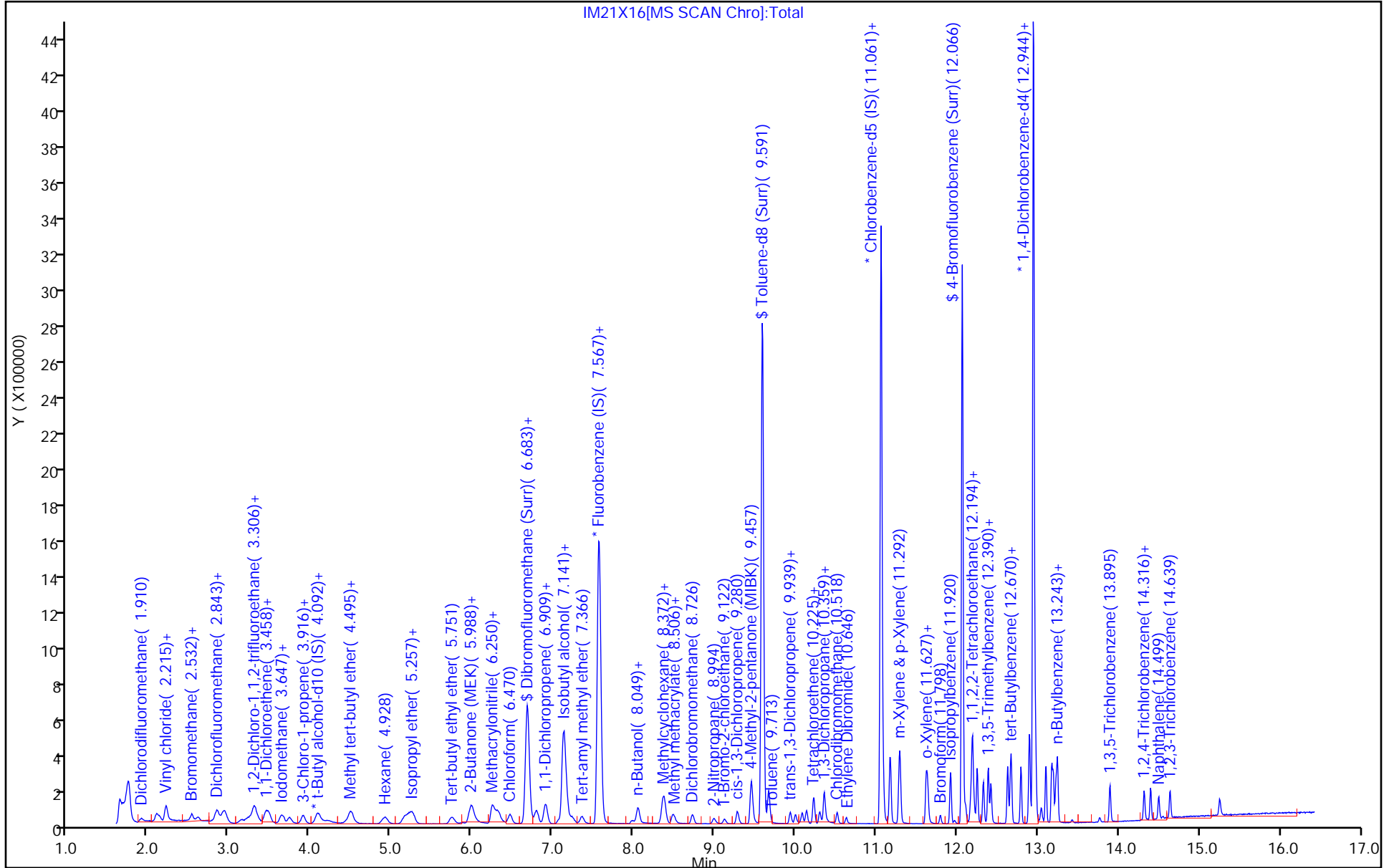
ALS Bottle#: 16

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC

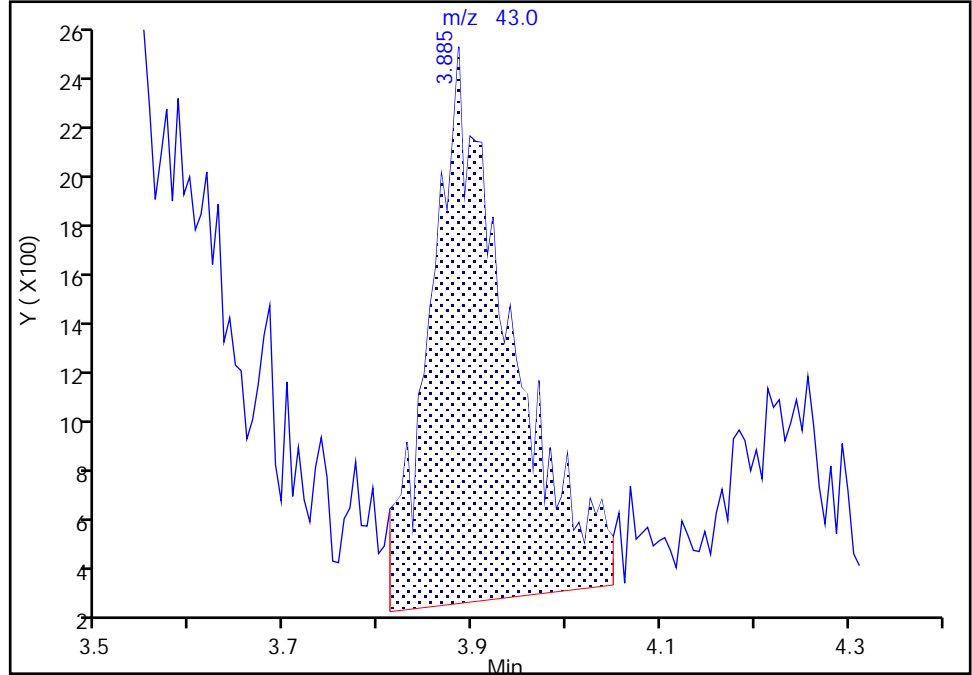
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Injection Date: 21-Mar-2023 05:42:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

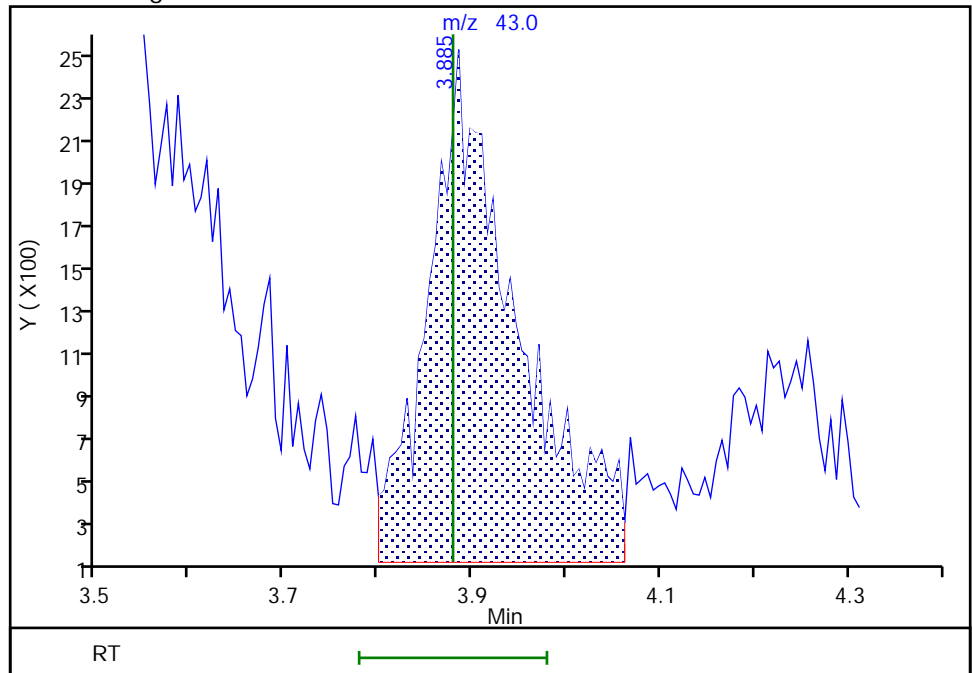
RT: 3.89
Area: 13116
Amount: 0.397794
Amount Units: ug/l

Processing Integration Results



RT: 3.89
Area: 15241
Amount: 0.432782
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 15:54:48
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Euofins Lancaster Laboratories Environment Testing, LLC

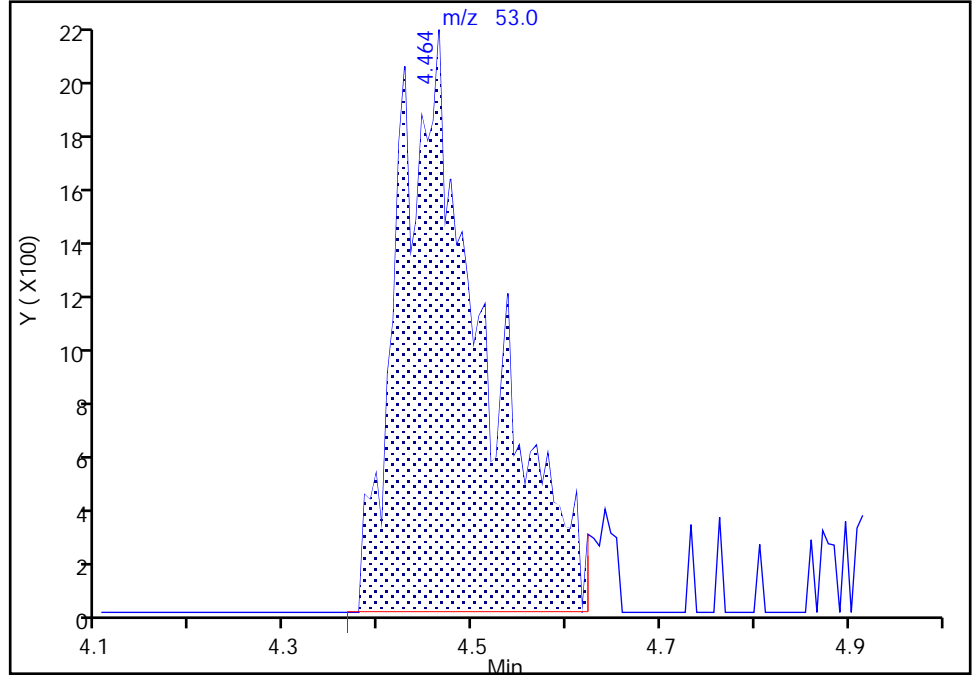
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Injection Date: 21-Mar-2023 05:42:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

28 Acrylonitrile, CAS: 107-13-1

Signal: 1

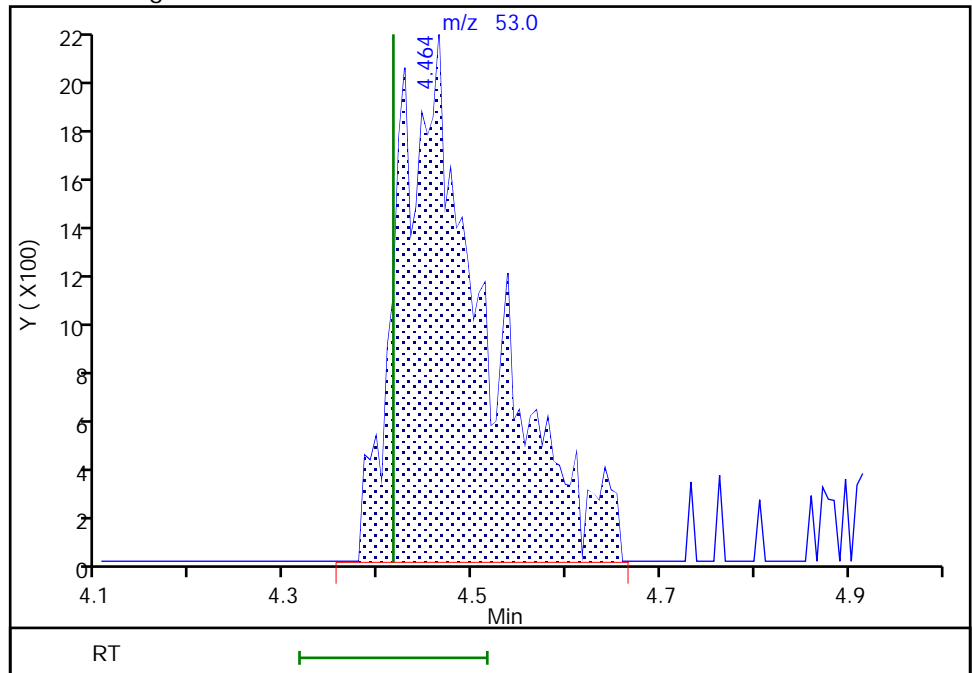
RT: 4.46
Area: 13828
Amount: 1.145690
Amount Units: ug/l

Processing Integration Results



RT: 4.46
Area: 14375
Amount: 1.201628
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 15:55:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

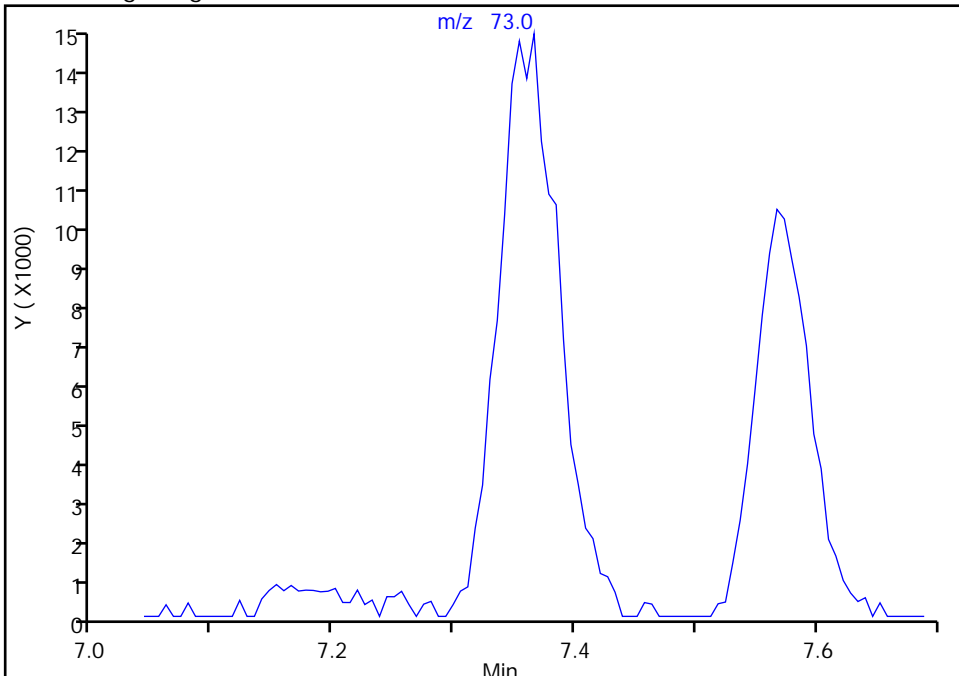
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Injection Date: 21-Mar-2023 05:42:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

60 Tert-amyl methyl ether, CAS: 994-05-8

Signal: 1

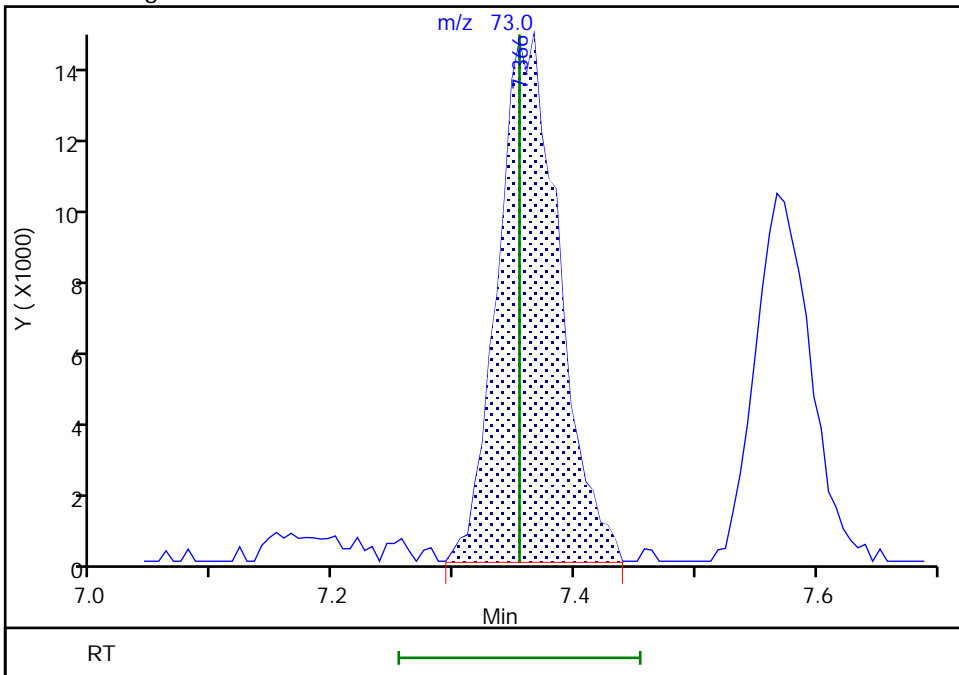
Not Detected
Expected RT: 7.35

Processing Integration Results



Manual Integration Results

RT: 7.37
Area: 50293
Amount: 0.463094
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 15:55:33
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Euofins Lancaster Laboratories Environment Testing, LLC

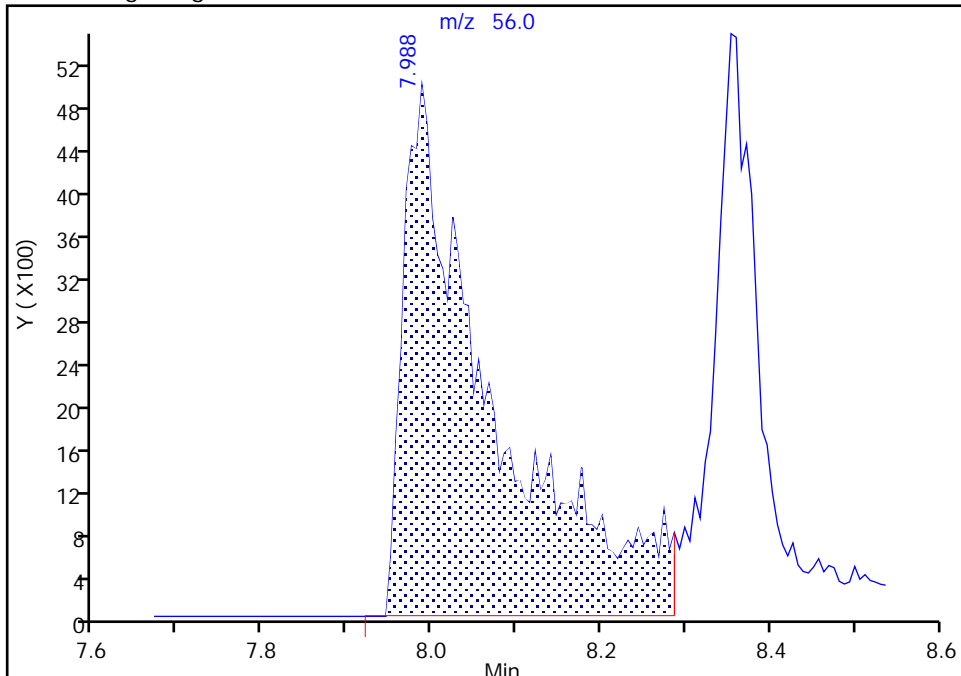
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Injection Date: 21-Mar-2023 05:42:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

63 n-Butanol, CAS: 71-36-3

Signal: 1

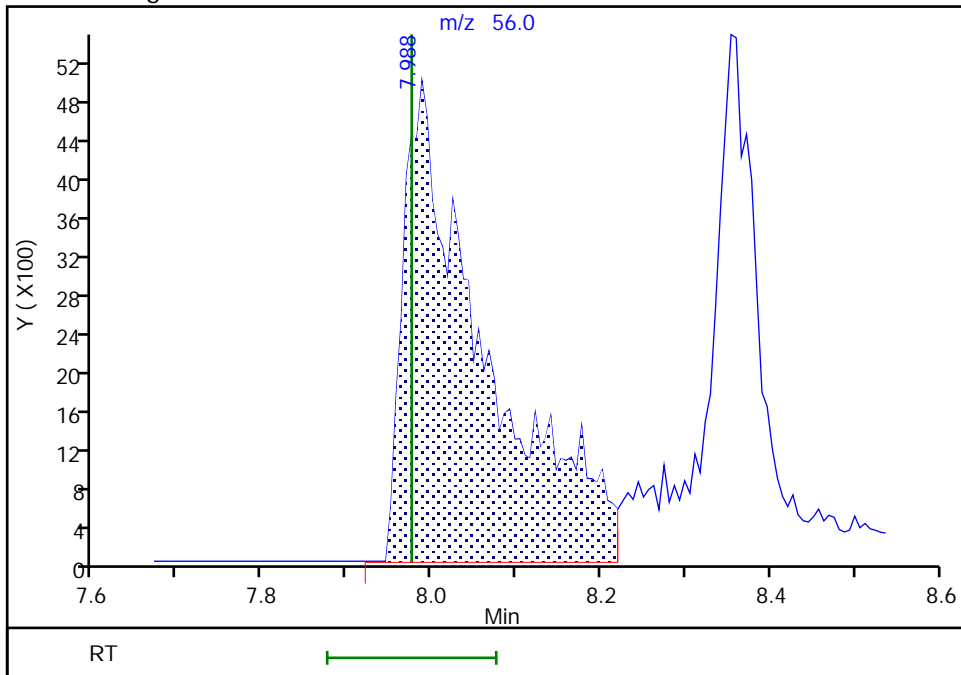
RT: 7.99
Area: 35625
Amount: 43.941193
Amount Units: ug/l

Processing Integration Results



RT: 7.99
Area: 32752
Amount: 39.509341
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:07:35
Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

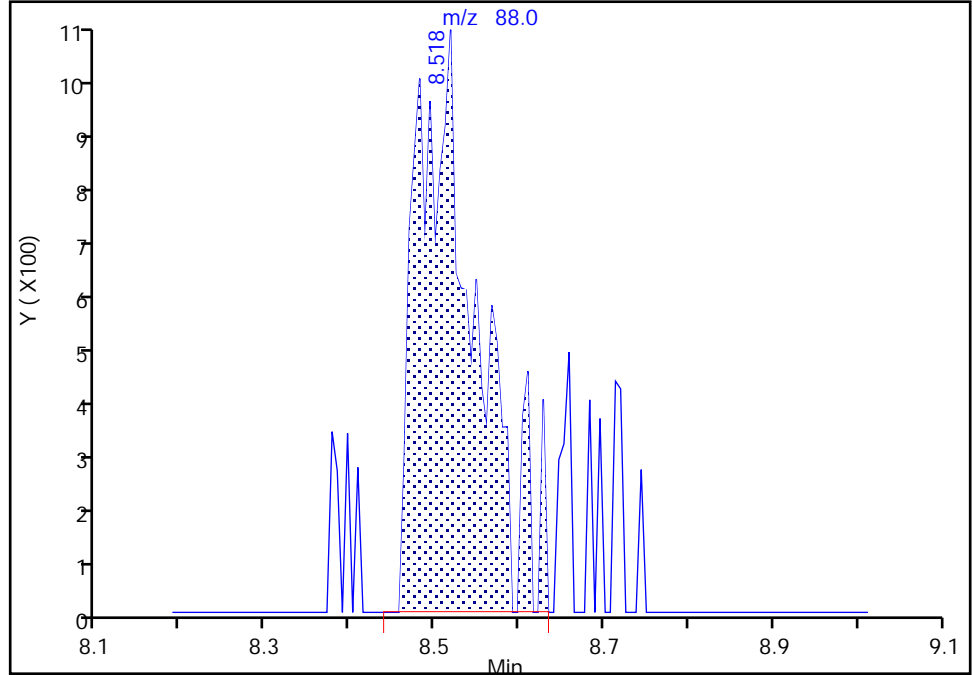
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X16.D
Injection Date: 21-Mar-2023 05:42:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: mec29284 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

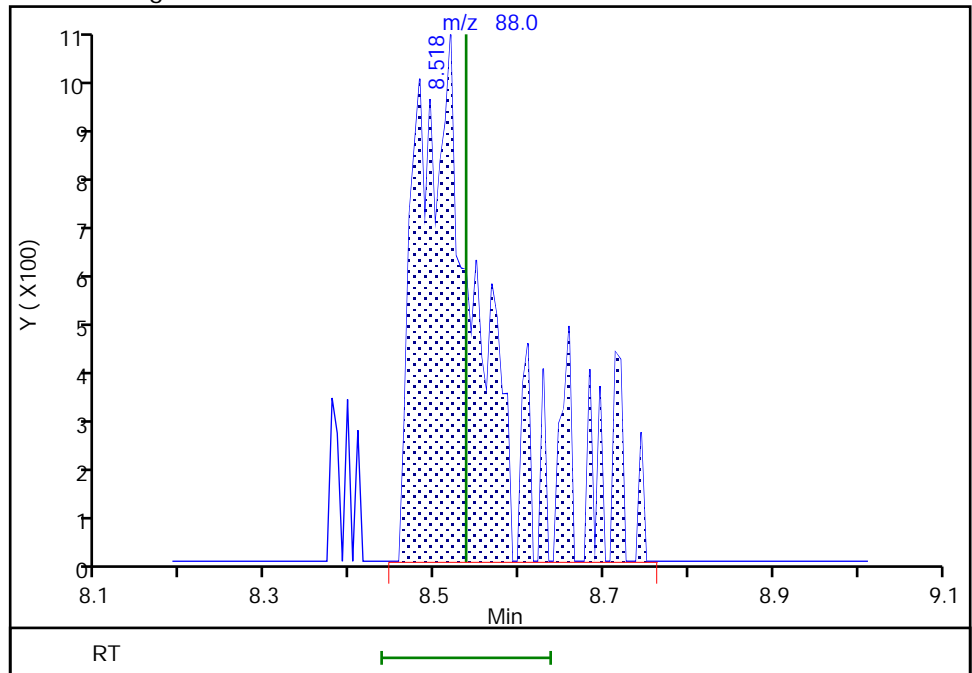
RT: 8.52
Area: 5240
Amount: 21.167113
Amount Units: ug/l

Processing Integration Results



RT: 8.52
Area: 6296
Amount: 24.426812
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 15:56:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
 Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Lims ID: IC std1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 21-Mar-2023 06:02:30 ALS Bottle#: 17 Worklist Smp#: 18
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0079468-018
 Operator ID: mec29284 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub2

Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 21-Mar-2023 17:38:06 Calib Date: 21-Mar-2023 06:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1651

First Level Reviewer: K4WN Date: 21-Mar-2023 16:07:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.904	1.898	0.006	98	17110	0.2000	0.2008	
4 Chloromethane	50	2.093	2.087	0.006	98	20747	0.2000	0.2246	
5 Vinyl chloride	62	2.209	2.203	0.006	92	18650	0.2000	0.2070	
6 Butadiene	39	2.215	2.209	0.006	93	19058	0.2000	0.2313	
7 Bromomethane	94	2.532	2.526	0.006	92	14521	0.2000	0.2078	
8 Chloroethane	64	2.605	2.599	0.006	95	11084	0.2000	0.2024	
9 Dichlorofluoromethane	67	2.837	2.837	0.000	94	32448	0.2000	0.2213	
10 Trichlorofluoromethane	101	2.898	2.898	0.000	95	30095	0.2000	0.2068	
11 Ethyl ether	59	3.141	3.135	0.006	91	9452	0.2000	0.1983	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.221	3.227	-0.006	36	17475	0.2000	0.2149	
14 Acrolein	56	3.318	3.306	0.012	99	66213	10.0	9.87	
15 1,1-Dichloroethene	96	3.440	3.434	0.006	98	11991	0.2000	0.2036	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.483	3.477	0.006	92	13036	0.2000	0.1944	
16 Acetone	43	3.495	3.477	0.018	94	22153	2.00	2.73	M
18 Iodomethane	142	3.641	3.629	0.012	98	25378	0.2000	0.1987	
19 Ethyl bromide	108	3.653	3.660	-0.007	52	10854	0.2004	0.1975	
20 Carbon disulfide	76	3.745	3.733	0.012	99	33647	0.2000	0.2037	
23 Methyl acetate	43	3.940	3.879	0.061	25	8017	0.2000	0.2763	M
24 3-Chloro-1-propene	41	3.910	3.897	0.013	86	20765	0.2000	0.2094	
25 Methylene Chloride	84	4.092	4.086	0.006	95	12493	0.2000	0.1996	
* 26 t-Butyl alcohol-d10 (IS)	65	4.123	4.135	-0.012	94	126445	50.0	50.0	
27 2-Methyl-2-propanol	59	4.251	4.263	-0.012	34	11132	4.00	4.22	M
28 Acrylonitrile	53	4.464	4.416	0.048	27	3733	0.5000	0.3788	
29 Methyl tert-butyl ether	73	4.489	4.477	0.012	92	30341	0.2000	0.2003	
30 trans-1,2-Dichloroethene	96	4.507	4.495	0.012	95	13932	0.2000	0.2102	
31 Hexane	57	4.922	4.915	0.007	92	15447	0.2000	0.1766	
32 1,1-Dichloroethane	63	5.165	5.147	0.018	95	23853	0.2000	0.1984	
35 Isopropyl ether	45	5.208	5.214	-0.006	93	38342	0.2000	0.1910	
36 2-Chloro-1,3-butadiene	53	5.263	5.263	0.000	93	19317	0.2000	0.1897	
37 Tert-butyl ethyl ether	59	5.751	5.751	0.000	96	27255	0.2000	0.1957	
38 2-Butanone (MEK)	43	5.982	5.958	0.024	85	29871	2.00	2.00	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 cis-1,2-Dichloroethene	96	6.001	5.982	0.019	79	13988	0.2000	0.1931	
40 2,2-Dichloropropane	77	6.013	5.995	0.018	89	21814	0.2000	0.1995	
43 Propionitrile	54	6.080	6.056	0.024	30	10606	4.00	3.06	M
S 41 1,2-Dichloroethene, Total	100				0			0.4033	
45 Methacrylonitrile	67	6.257	6.244	0.013	93	30294	2.00	1.90	
46 Chlorobromomethane	128	6.330	6.318	0.012	81	6246	0.2000	0.1852	
47 Tetrahydrofuran	71	6.348	6.330	0.018	77	4457	1.00	0.9703	
48 Chloroform	83	6.476	6.464	0.012	94	23932	0.2000	0.1937	
\$ 49 Dibromofluoromethane (Surr)	113	6.683	6.677	0.006	93	600251	10.0	9.91	
50 1,1,1-Trichloroethane	97	6.696	6.690	0.006	36	22751	0.2000	0.1950	
51 Cyclohexane	56	6.793	6.793	0.000	92	21863	0.2000	0.1969	
53 1,1-Dichloropropene	75	6.909	6.903	0.006	89	17369	0.2000	0.1913	
54 Carbon tetrachloride	117	6.909	6.909	0.000	94	19970	0.2000	0.1849	
55 Isobutyl alcohol	41	7.116	7.092	0.024	33	9875	10.0	10.5	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.134	7.135	-0.001	67	114034	10.0	9.92	
57 Benzene	78	7.165	7.165	0.000	97	52092	0.2000	0.1965	
58 1,2-Dichloroethane	62	7.238	7.238	0.000	91	17147	0.2000	0.2109	
60 Tert-amyl methyl ether	73	7.354	7.354	0.000	96	21381	0.2000	0.1989	
* 61 Fluorobenzene (IS)	96	7.573	7.567	0.006	99	2286473	10.0	10.0	
62 n-Heptane	43	7.586	7.580	0.006	37	18966	0.2000	0.2080	
63 n-Butanol	56	8.171	7.976	0.195	22	8119	17.5	11.9	a
64 Trichloroethene	95	8.067	8.049	0.018	95	14586	0.2000	0.1951	
65 Methylcyclohexane	83	8.360	8.360	0.000	91	23390	0.2000	0.1900	
66 1,2-Dichloropropane	63	8.384	8.378	0.006	81	12331	0.2000	0.1846	
67 Methyl methacrylate	69	8.482	8.464	0.018	82	4729	0.2000	0.1463	M
69 Dibromomethane	93	8.488	8.488	0.000	90	6355	0.2000	0.1859	a
68 1,4-Dioxane	88	8.561	8.537	0.024	28	915	10.0	4.31	M
71 Dichlorobromomethane	83	8.726	8.726	0.000	97	16582	0.2000	0.1872	
72 2-Nitropropane	41	9.000	8.994	0.006	97	11676	1.00	1.01	
75 1-Bromo-2-chloroethane	63	9.128	9.122	0.006	96	12280	0.2000	0.1948	
76 cis-1,3-Dichloropropene	75	9.287	9.280	0.006	94	18856	0.2000	0.1843	
77 4-Methyl-2-pentanone (MIBK)	43	9.457	9.451	0.006	98	81398	2.00	1.83	
\$ 78 Toluene-d8 (Surr)	98	9.591	9.591	0.000	94	2293084	10.0	10.1	
79 Toluene	92	9.677	9.671	0.006	97	34373	0.2000	0.1956	
97 trans-1,3-Dichloropropene	75	9.939	9.933	0.006	93	16145	0.2000	0.1892	
99 Ethyl methacrylate	69	10.012	9.994	0.018	87	12480	0.2000	0.1884	
S 98 1,3-Dichloropropene, Total	100				0			0.3735	
100 1,1,2-Trichloroethane	97	10.140	10.134	0.006	93	9264	0.2000	0.1927	
101 Tetrachloroethene	166	10.225	10.225	0.000	96	17910	0.2000	0.1891	
102 1,3-Dichloropropane	76	10.305	10.299	0.006	93	15353	0.2000	0.1938	
103 2-Hexanone	43	10.366	10.353	0.013	97	54958	2.00	1.78	
105 Chlorodibromomethane	129	10.518	10.518	0.000	87	12415	0.2000	0.1876	
106 Ethylene Dibromide	107	10.628	10.628	0.000	94	8713	0.2000	0.1870	
* 107 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	86	1770499	10.0	10.0	
108 1-Chlorohexane	91	11.073	11.073	0.000	49	21421	0.2000	0.2116	
109 Chlorobenzene	112	11.091	11.091	0.000	95	38651	0.2000	0.1914	
111 1,1,1,2-Tetrachloroethane	131	11.176	11.170	0.006	89	13488	0.2000	0.1816	
112 Ethylbenzene	91	11.176	11.176	0.000	98	65799	0.2000	0.1923	
S 110 Xylenes, Total	106				0			0.5506	
113 m-Xylene & p-Xylene	106	11.292	11.292	0.000	93	49779	0.4000	0.3651	
114 o-Xylene	106	11.621	11.621	0.000	96	24739	0.2000	0.1856	
115 Styrene	104	11.640	11.634	0.006	94	36677	0.2000	0.1774	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 Bromoform	173	11.792	11.792	0.000	95	7927	0.2000	0.1838	
117 Isopropylbenzene	105	11.920	11.920	0.000	95	65240	0.2000	0.1864	
\$ 120 4-Bromofluorobenzene (Surr)	95	12.066	12.067	-0.001	96	829348	10.0	9.98	
121 1,1,2,2-Tetrachloroethane	83	12.170	12.164	0.006	94	11706	0.2000	0.1937	
122 Bromobenzene	156	12.182	12.182	0.000	91	18174	0.2000	0.2014	
123 trans-1,4-Dichloro-2-butene	53	12.194	12.188	0.006	93	30616	2.00	1.76	
124 1,2,3-Trichloropropane	110	12.213	12.213	0.000	77	3351	0.2000	0.1962	
125 N-Propylbenzene	91	12.249	12.249	0.000	98	70616	0.2000	0.1783	
126 2-Chlorotoluene	126	12.329	12.329	0.000	97	15738	0.2000	0.1840	
127 1,3,5-Trimethylbenzene	105	12.390	12.384	0.006	95	53572	0.2000	0.1805	
128 4-Chlorotoluene	126	12.426	12.420	0.006	95	15367	0.2000	0.1801	
129 tert-Butylbenzene	134	12.627	12.627	0.000	93	13951	0.2000	0.1897	
130 Pentachloroethane	167	12.658	12.664	-0.006	74	9669	0.2000	0.1695	
131 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	55233	0.2000	0.1812	
132 sec-Butylbenzene	105	12.792	12.792	0.000	94	68845	0.2000	0.1824	
133 1,3-Dichlorobenzene	146	12.896	12.890	0.006	98	31892	0.2000	0.1881	
134 4-Isopropyltoluene	119	12.902	12.902	0.000	98	61116	0.2000	0.1813	
* 135 1,4-Dichlorobenzene-d4	152	12.950	12.944	0.006	94	1096665	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.969	12.963	0.006	92	31956	0.2000	0.1928	
137 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	97	27998	0.2000	0.1986	
138 Benzyl chloride	126	13.042	13.042	0.000	98	3612	0.2000	0.1515	
139 n-Butylbenzene	92	13.194	13.188	0.006	97	25462	0.2000	0.1719	
140 1,2-Dichlorobenzene	146	13.225	13.225	0.000	97	30112	0.2000	0.1871	
142 1,2-Dibromo-3-Chloropropane	155	13.773	13.767	0.006	83	1695	0.2000	0.1709	
143 1,3,5-Trichlorobenzene	180	13.895	13.889	0.006	96	22925	0.2000	0.1785	
144 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	93	18177	0.2000	0.1760	
145 Hexachlorobutadiene	225	14.395	14.395	0.000	95	12245	0.2000	0.2066	
146 Naphthalene	128	14.499	14.493	0.006	97	38082	0.2000	0.1980	
147 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	92	17765	0.2000	0.1894	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		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_00068	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00077	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00141	Amount Added: 2.00	Units: uL	
MSV_LLcentISS_00006	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D

Injection Date: 21-Mar-2023 06:02:30

Instrument ID: 19930

Operator ID: mec29284

Lims ID: IC std1

Worklist Smp#: 18

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

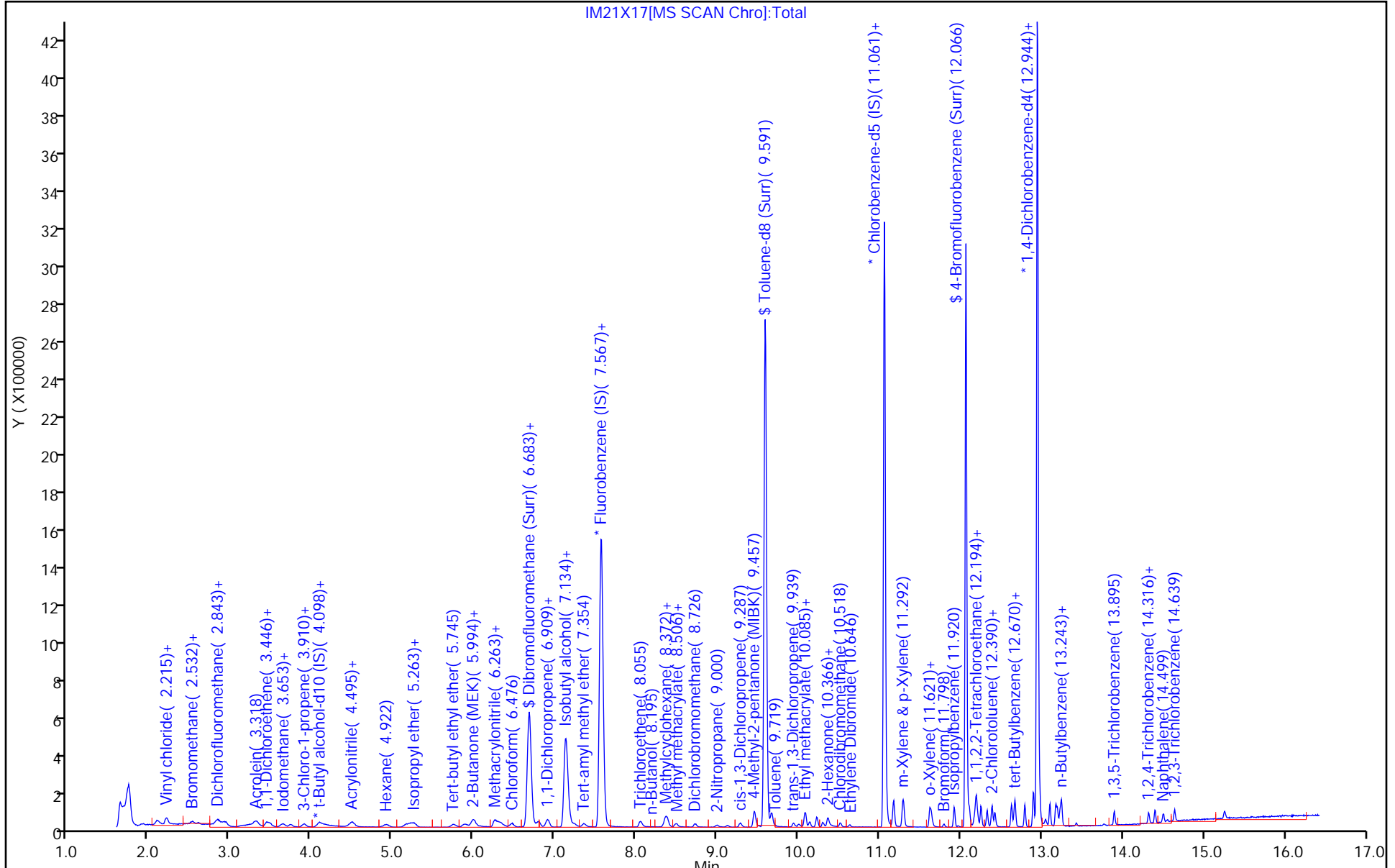
ALS Bottle#: 17

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC

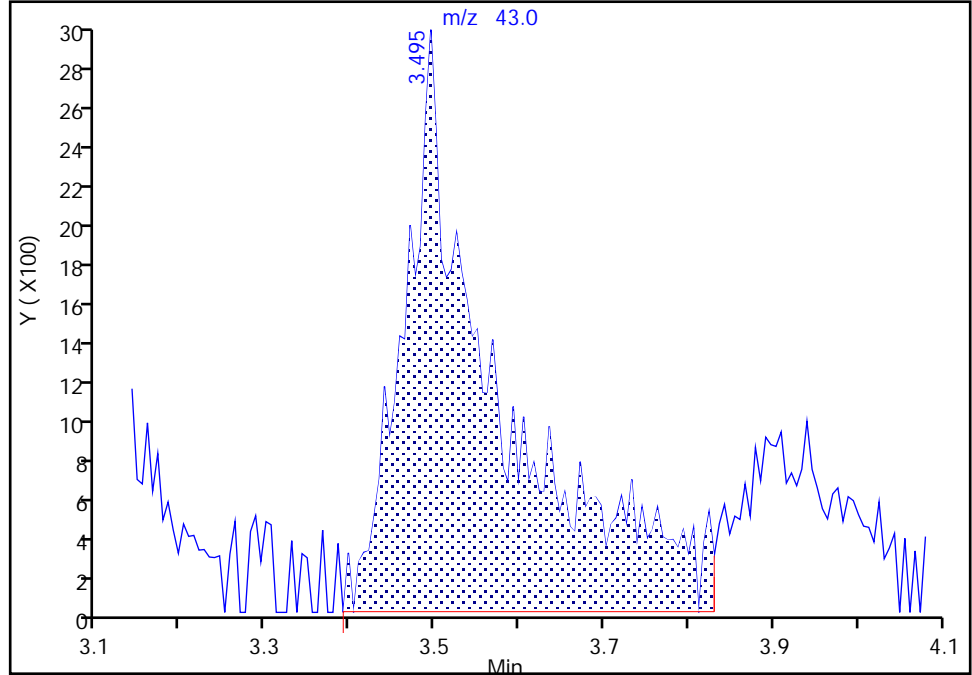
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Injection Date: 21-Mar-2023 06:02:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

16 Acetone, CAS: 67-64-1

Signal: 1

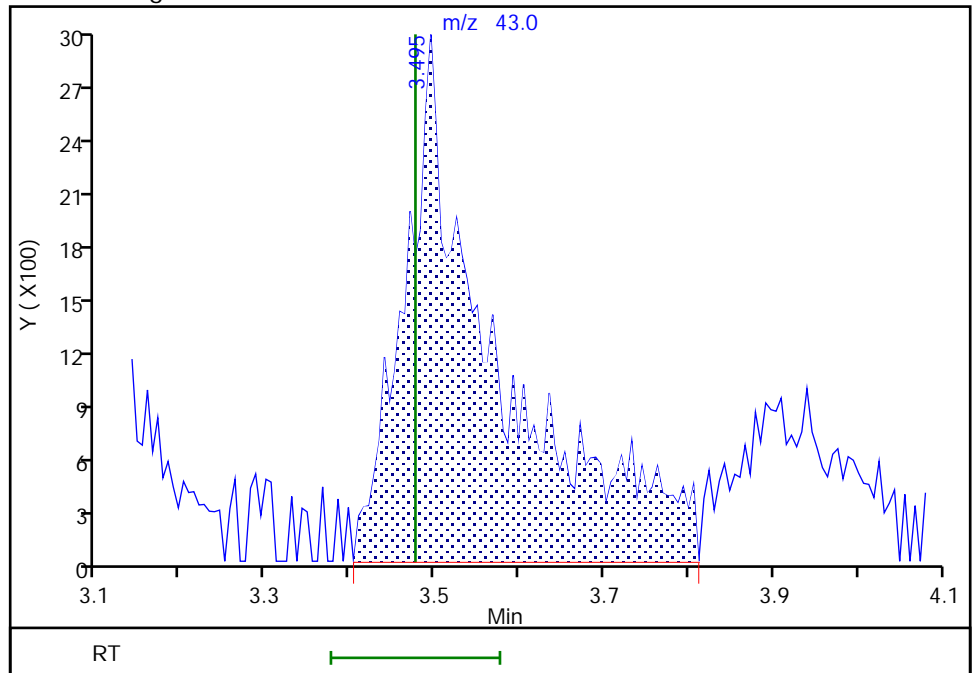
RT: 3.49
Area: 22686
Amount: 2.753548
Amount Units: ug/l

Processing Integration Results



RT: 3.49
Area: 22153
Amount: 2.733339
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 16:02:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

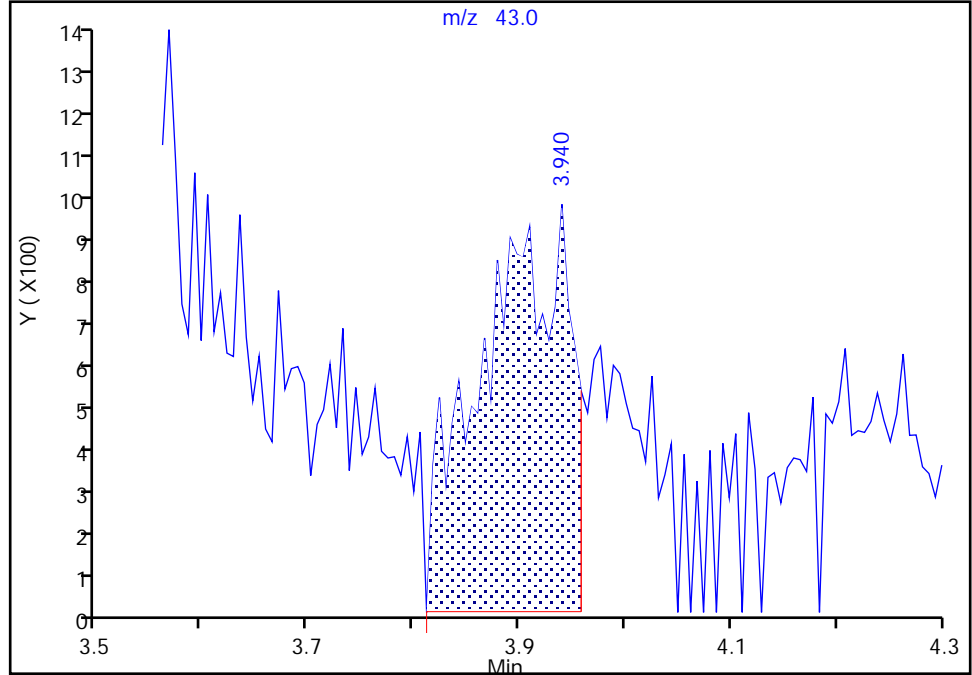
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Injection Date: 21-Mar-2023 06:02:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

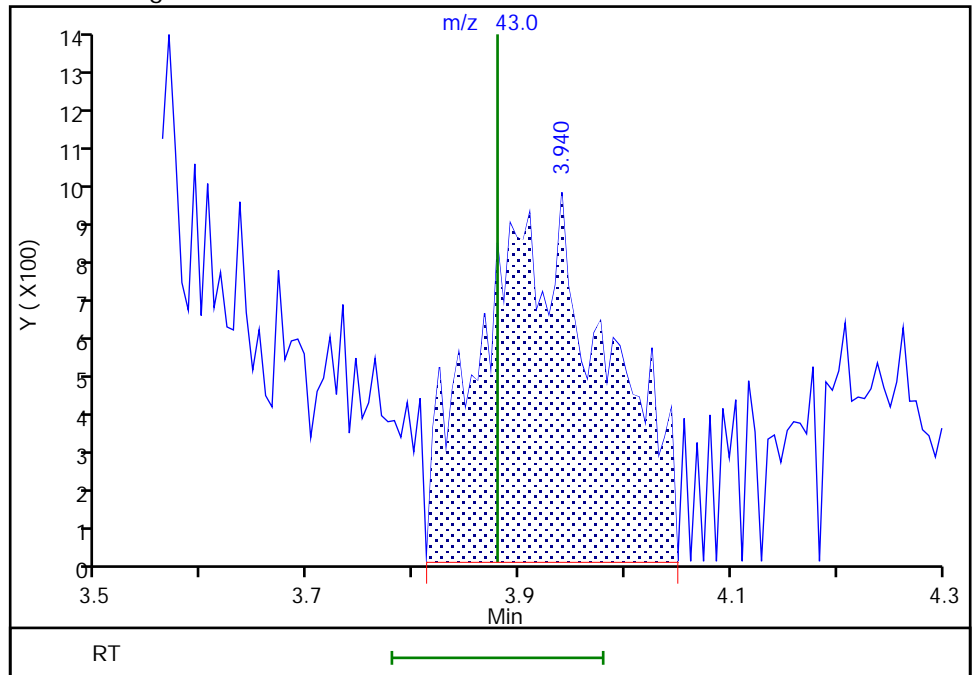
RT: 3.94
Area: 5592
Amount: 0.202155
Amount Units: ug/l

Processing Integration Results



RT: 3.94
Area: 8017
Amount: 0.276345
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 15:57:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

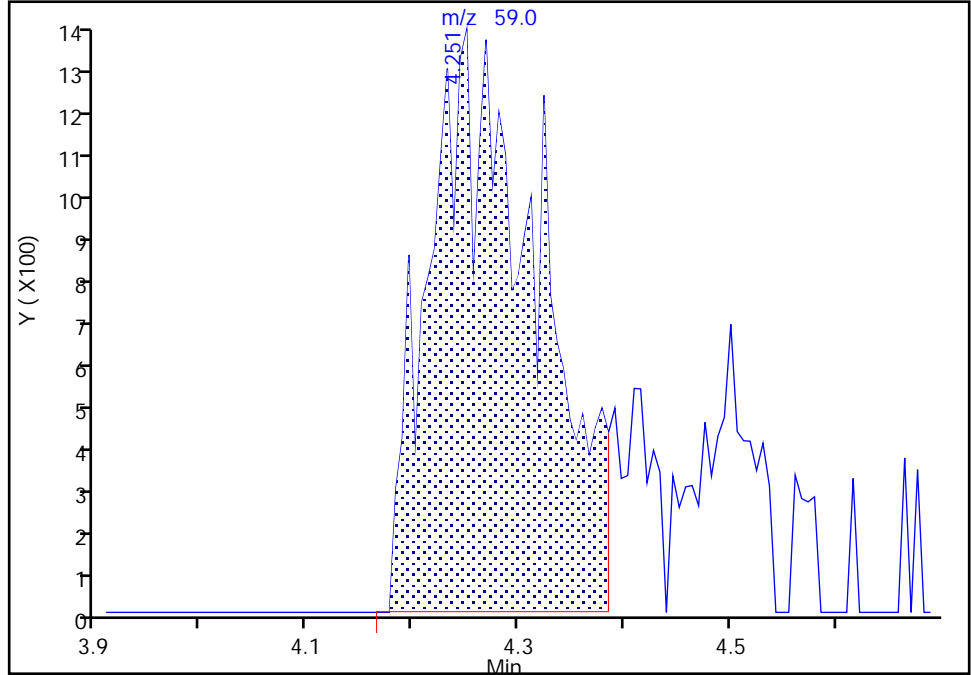
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Injection Date: 21-Mar-2023 06:02:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

27 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

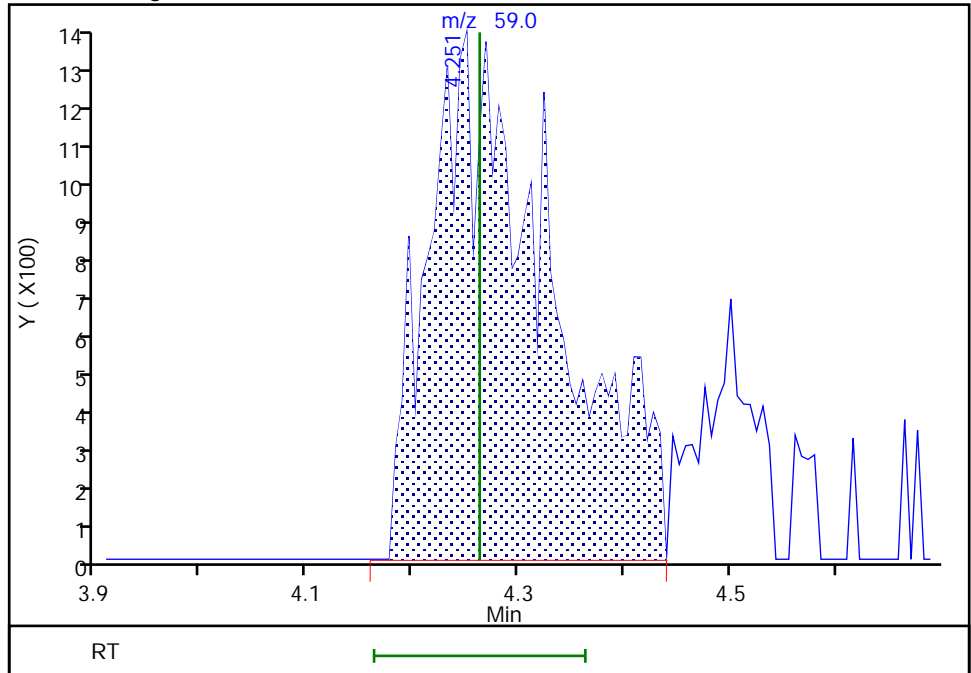
RT: 4.25
Area: 9948
Amount: 3.790427
Amount Units: ug/l

Processing Integration Results



RT: 4.25
Area: 11132
Amount: 4.224428
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 15:57:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

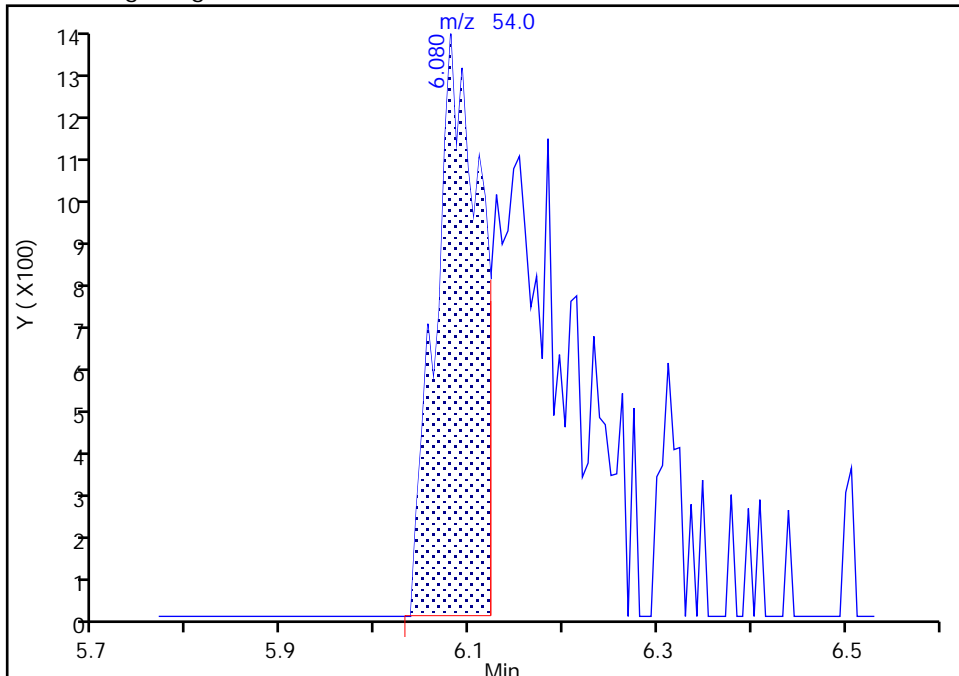
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 Injection Date: 21-Mar-2023 06:02:30 Instrument ID: 19930
 Lims ID: IC std1
 Client ID:
 Operator ID: mec29284 ALS Bottle#: 17 Worklist Smp#: 18
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
 Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

43 Propionitrile, CAS: 107-12-0

Signal: 1

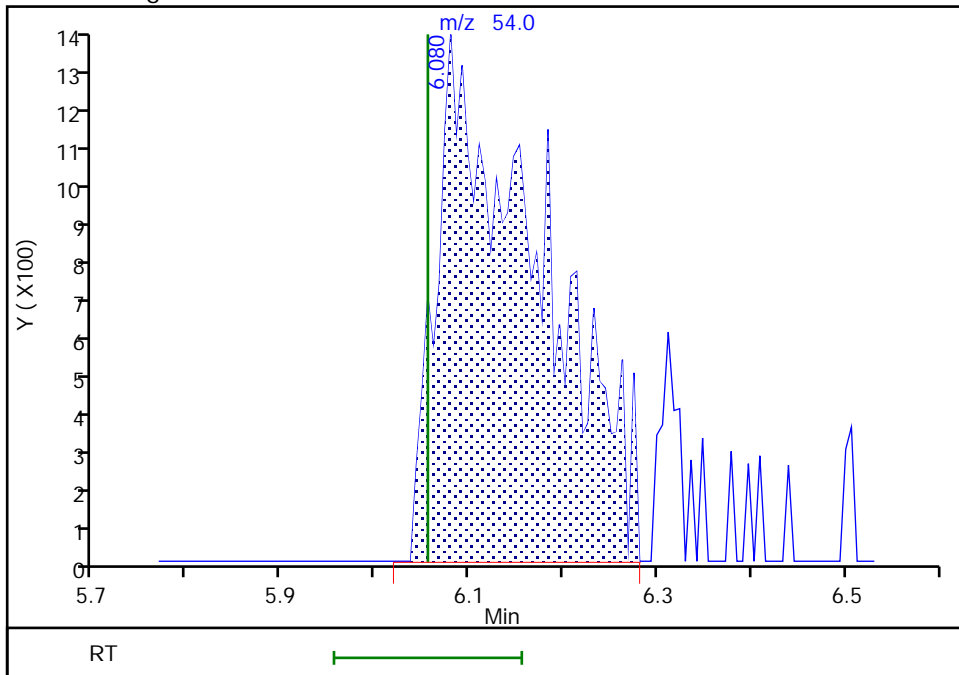
RT: 6.08
 Area: 4617
 Amount: 3.806844
 Amount Units: ug/l

Processing Integration Results



RT: 6.08
 Area: 10606
 Amount: 3.055648
 Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 15:57:35
 Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins Lancaster Laboratories Environment Testing, LLC

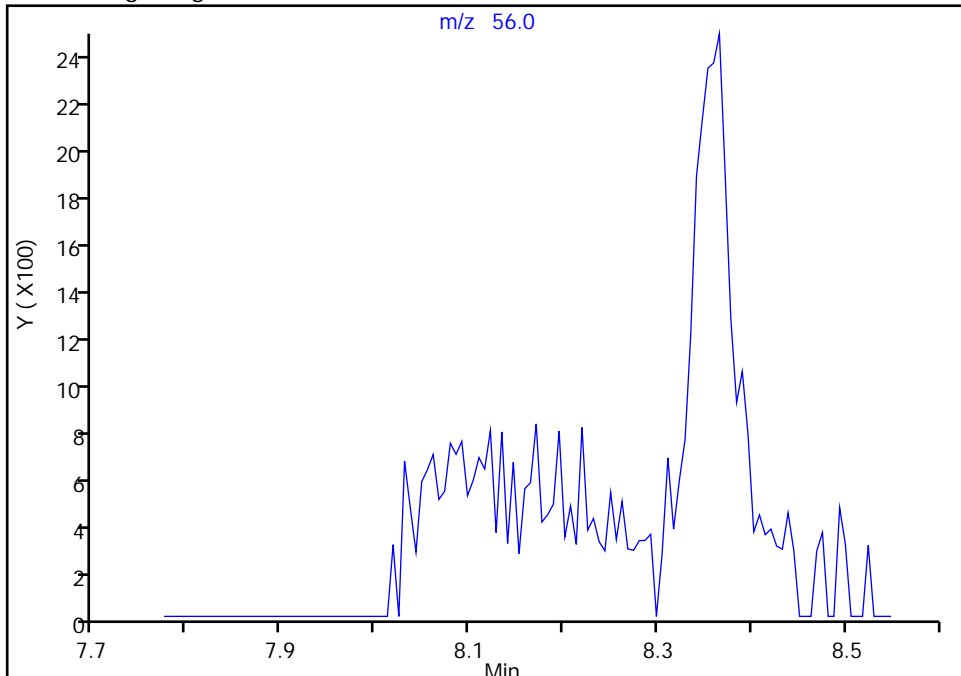
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Injection Date: 21-Mar-2023 06:02:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

63 n-Butanol, CAS: 71-36-3

Signal: 1

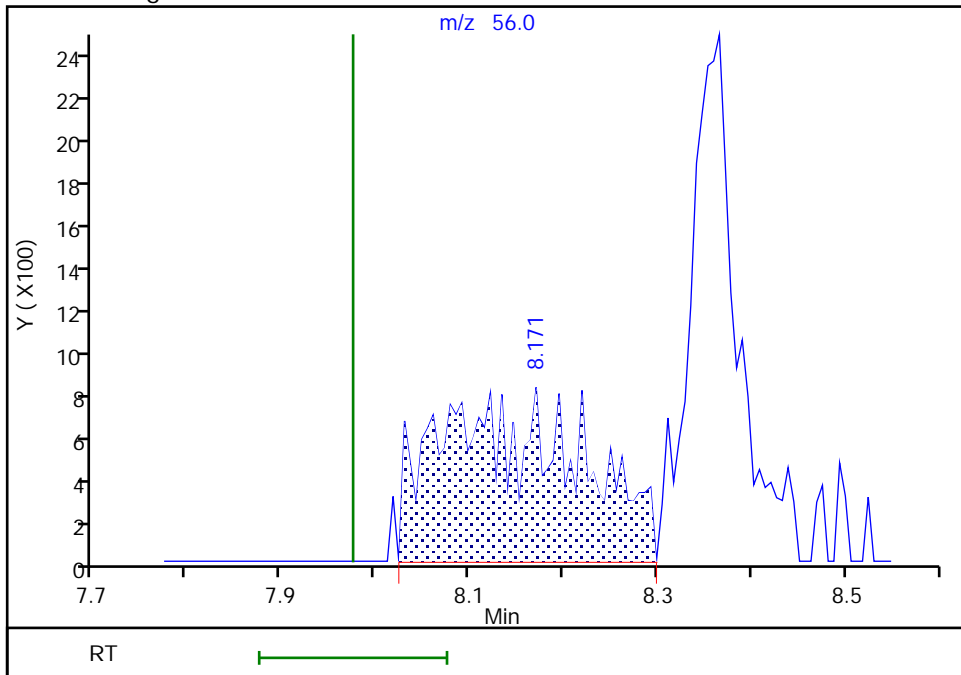
Not Detected
Expected RT: 7.98

Processing Integration Results



Manual Integration Results

RT: 8.17
Area: 8119
Amount: 11.889089
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 15:57:53
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

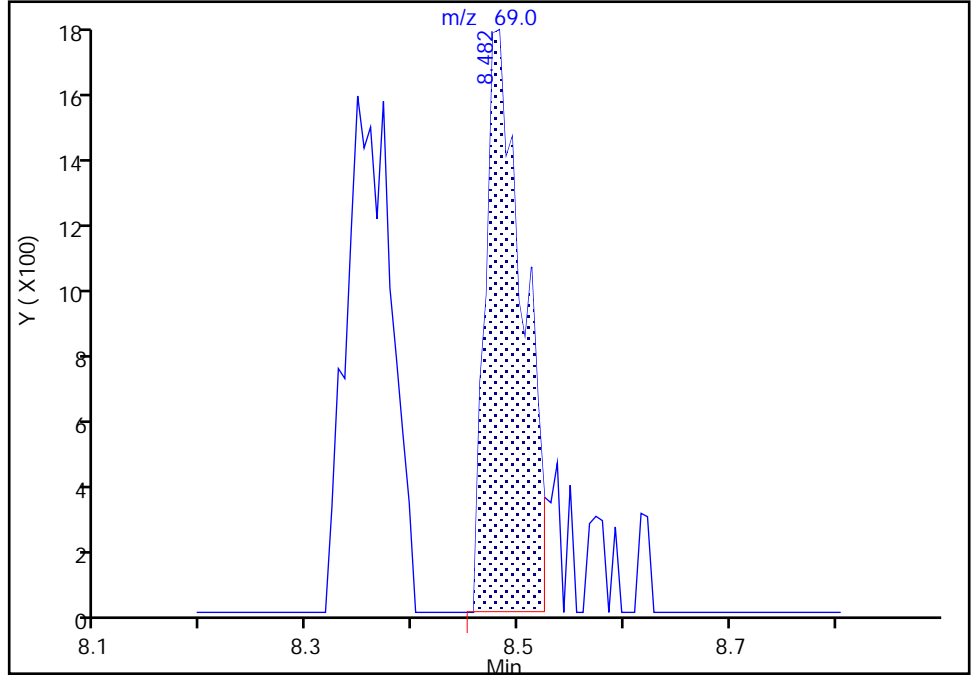
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
Injection Date: 21-Mar-2023 06:02:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

67 Methyl methacrylate, CAS: 80-62-6

Signal: 1

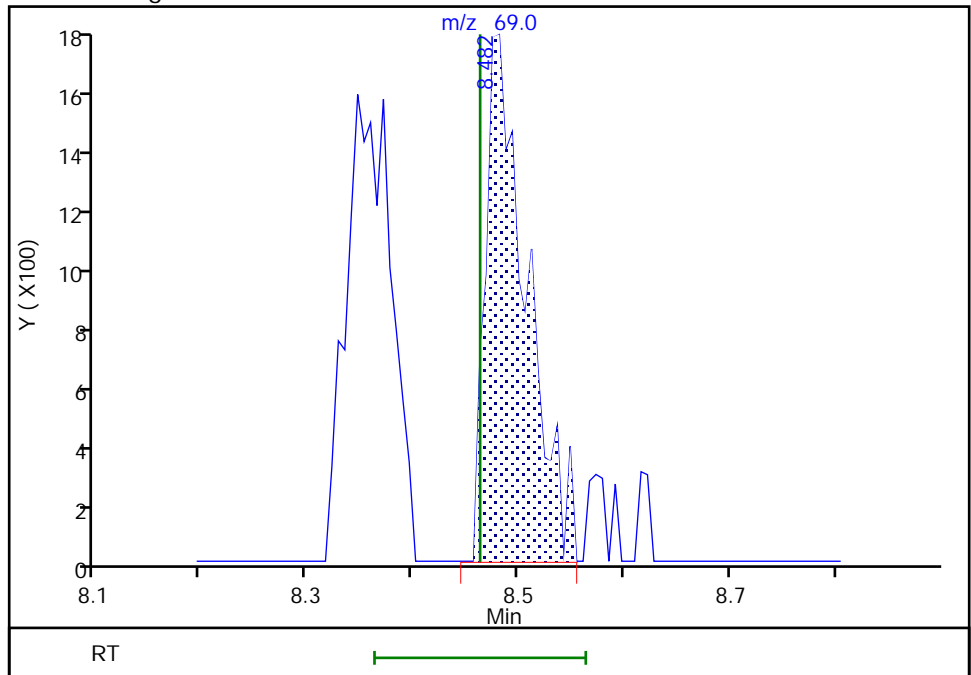
RT: 8.48
Area: 4302
Amount: 0.247940
Amount Units: ug/l

Processing Integration Results



RT: 8.48
Area: 4729
Amount: 0.146339
Amount Units: ug/l

Manual Integration Results



Euofins Lancaster Laboratories Environment Testing, LLC

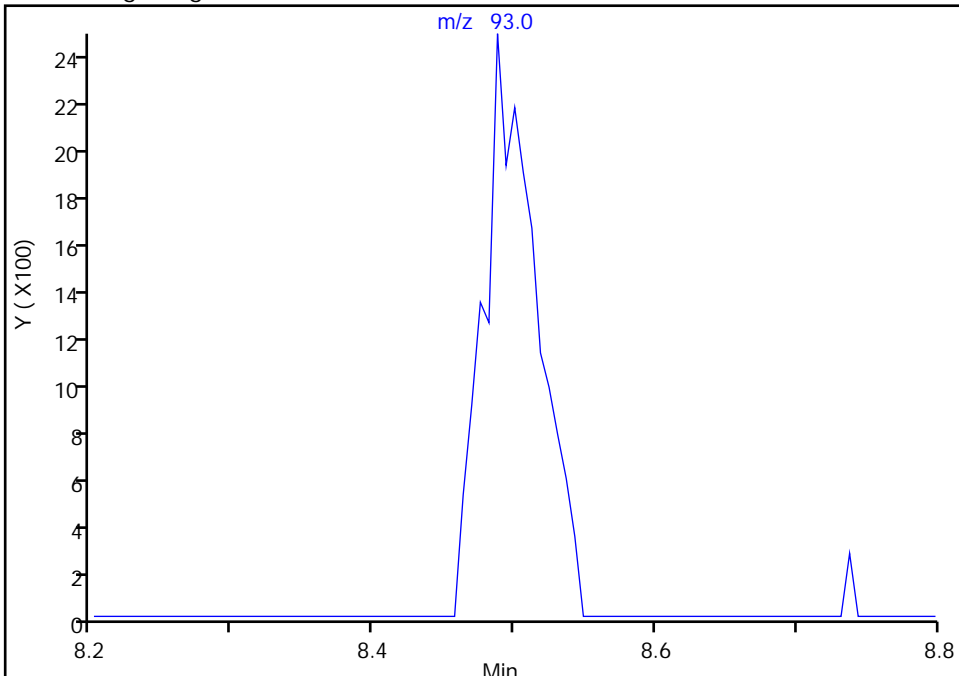
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
Injection Date: 21-Mar-2023 06:02:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: mec29284 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

69 Dibromomethane, CAS: 74-95-3

Signal: 1

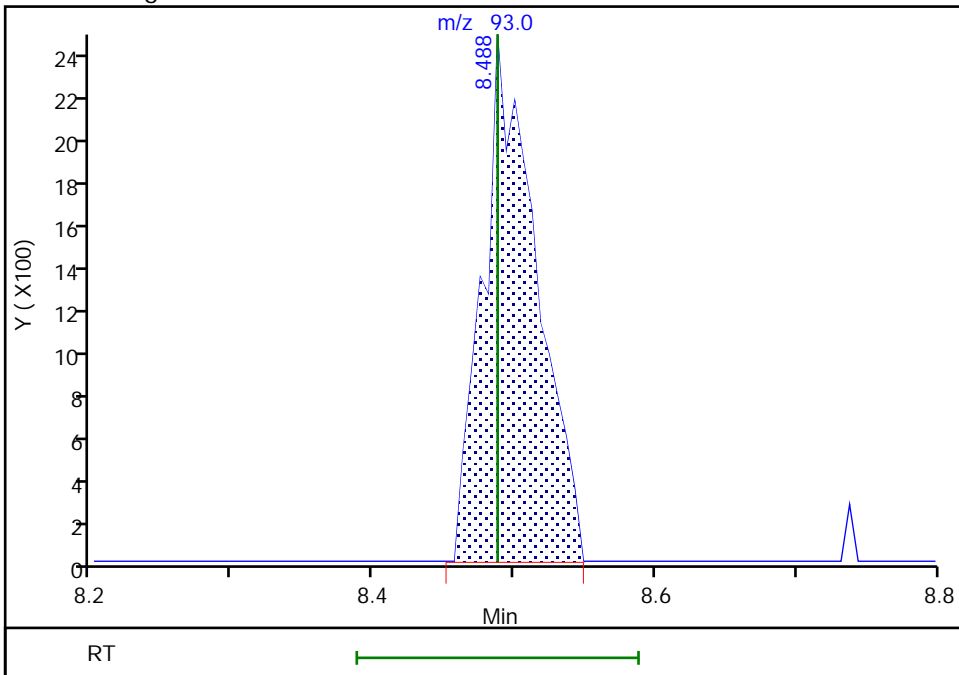
Not Detected
Expected RT: 8.49

Processing Integration Results



Manual Integration Results

RT: 8.49
Area: 6355
Amount: 0.185902
Amount Units: ug/l



Reviewer: K4WN, 21-Mar-2023 15:58:07
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

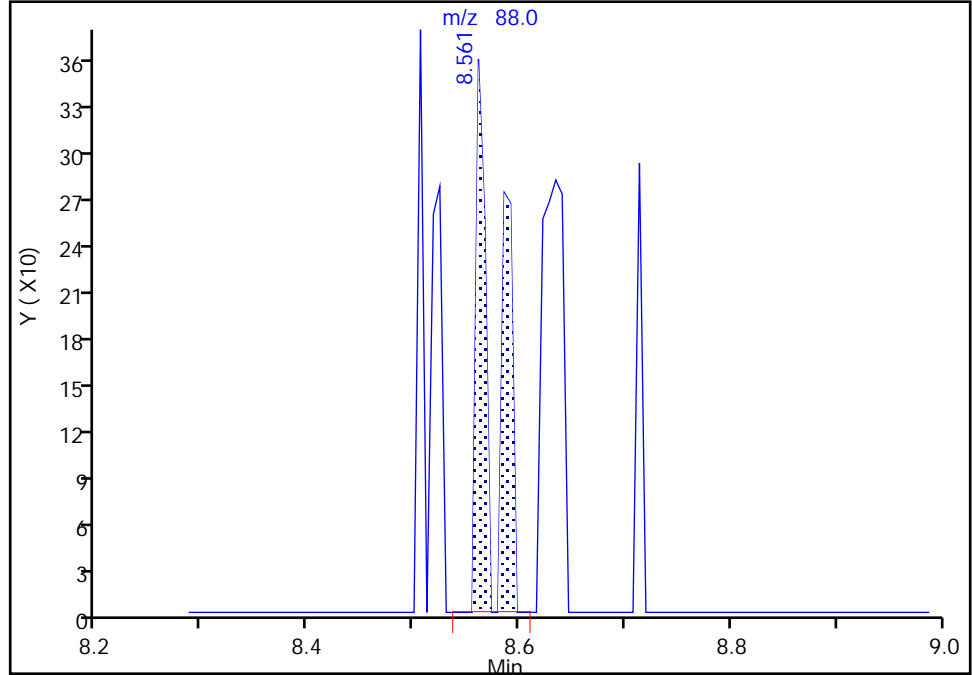
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Injection Date: 21-Mar-2023 06:02:30 Instrument ID: 19930
 Lims ID: IC std1
 Client ID:
 Operator ID: mec29284 ALS Bottle#: 17 Worklist Smp#: 18
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
 Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

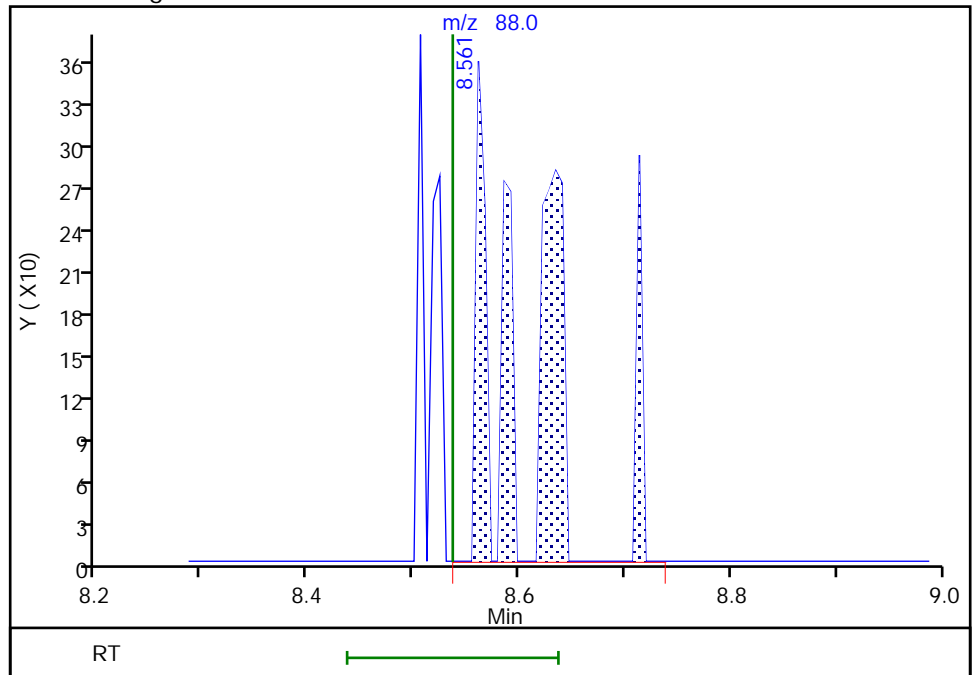
RT: 8.56
 Area: 419
 Amount: 2.005715
 Amount Units: ug/l

Processing Integration Results



RT: 8.56
 Area: 915
 Amount: 4.309305
 Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 15:58:26
 Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Calibration

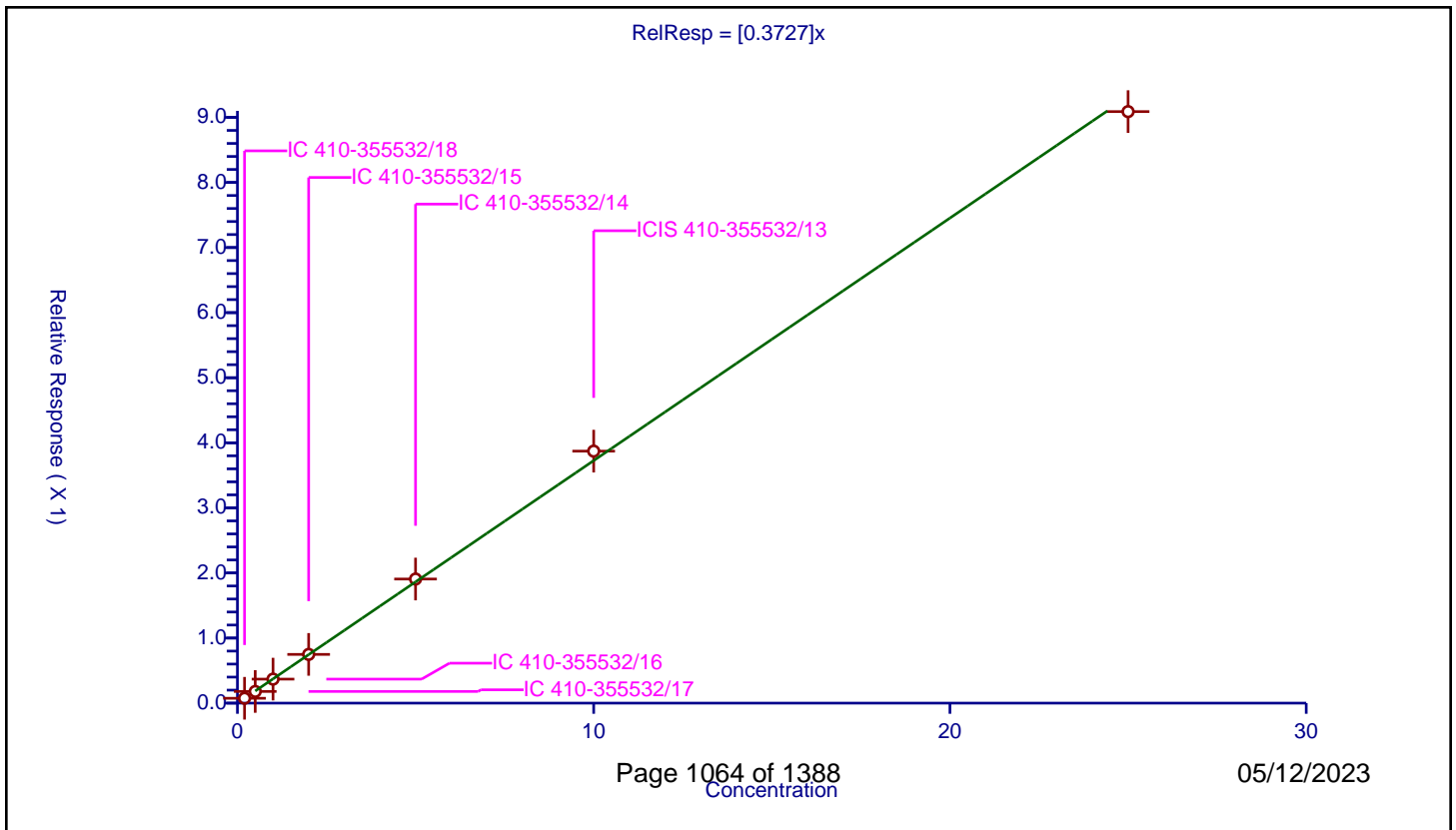
/ Dichlorodifluoromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3727

Error Coefficients	
Standard Error:	991000
Relative Standard Error:	2.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.074831	10.0	2286473.0	0.374157	Y
2	IC 410-355532/17	0.5	0.179477	10.0	2310552.0	0.358953	Y
3	IC 410-355532/16	1.0	0.36912	10.0	2343275.0	0.36912	Y
4	IC 410-355532/15	2.0	0.748502	10.0	2349279.0	0.374251	Y
5	IC 410-355532/14	5.0	1.906637	10.0	2387313.0	0.381327	Y
6	ICIS 410-355532/13	10.0	3.87203	10.0	2381761.0	0.387203	Y
7	IC 410-355532/12	25.0	9.088881	10.0	2408929.0	0.363555	Y



Calibration

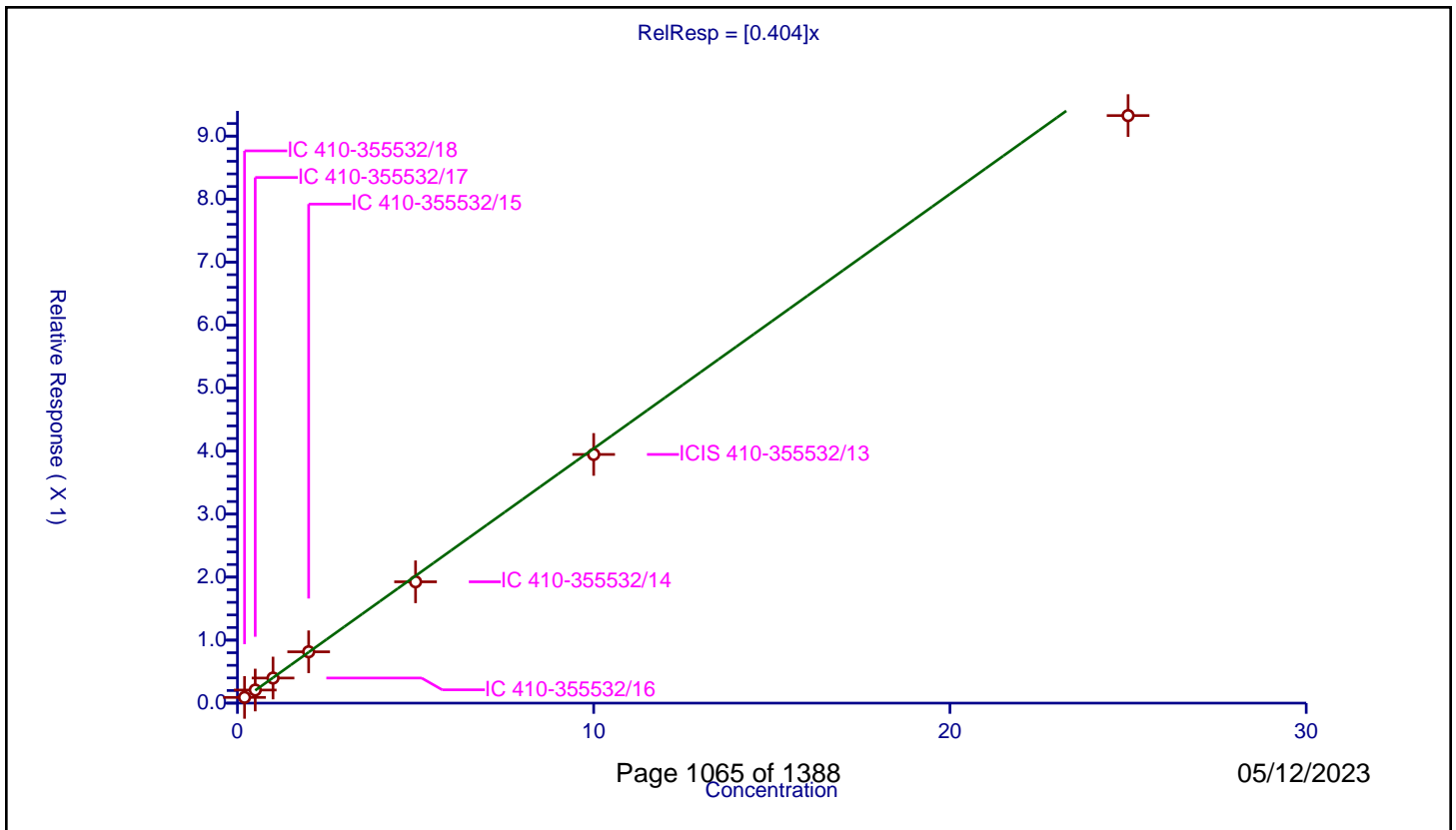
/ Chloromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.404

Error Coefficients	
Standard Error:	1020000
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 410-355532/18	0.2	0.090738	10.0	2286473.0	0.45369	Y
2	IC 410-355532/17	0.5	0.207911	10.0	2310552.0	0.415823	Y
3	IC 410-355532/16	1.0	0.398442	10.0	2343275.0	0.398442	Y
4	IC 410-355532/15	2.0	0.814705	10.0	2349279.0	0.407353	Y
5	IC 410-355532/14	5.0	1.925914	10.0	2387313.0	0.385183	Y
6	ICIS 410-355532/13	10.0	3.947294	10.0	2381761.0	0.394729	Y
7	IC 410-355532/12	25.0	9.325547	10.0	2408929.0	0.373022	Y



Calibration

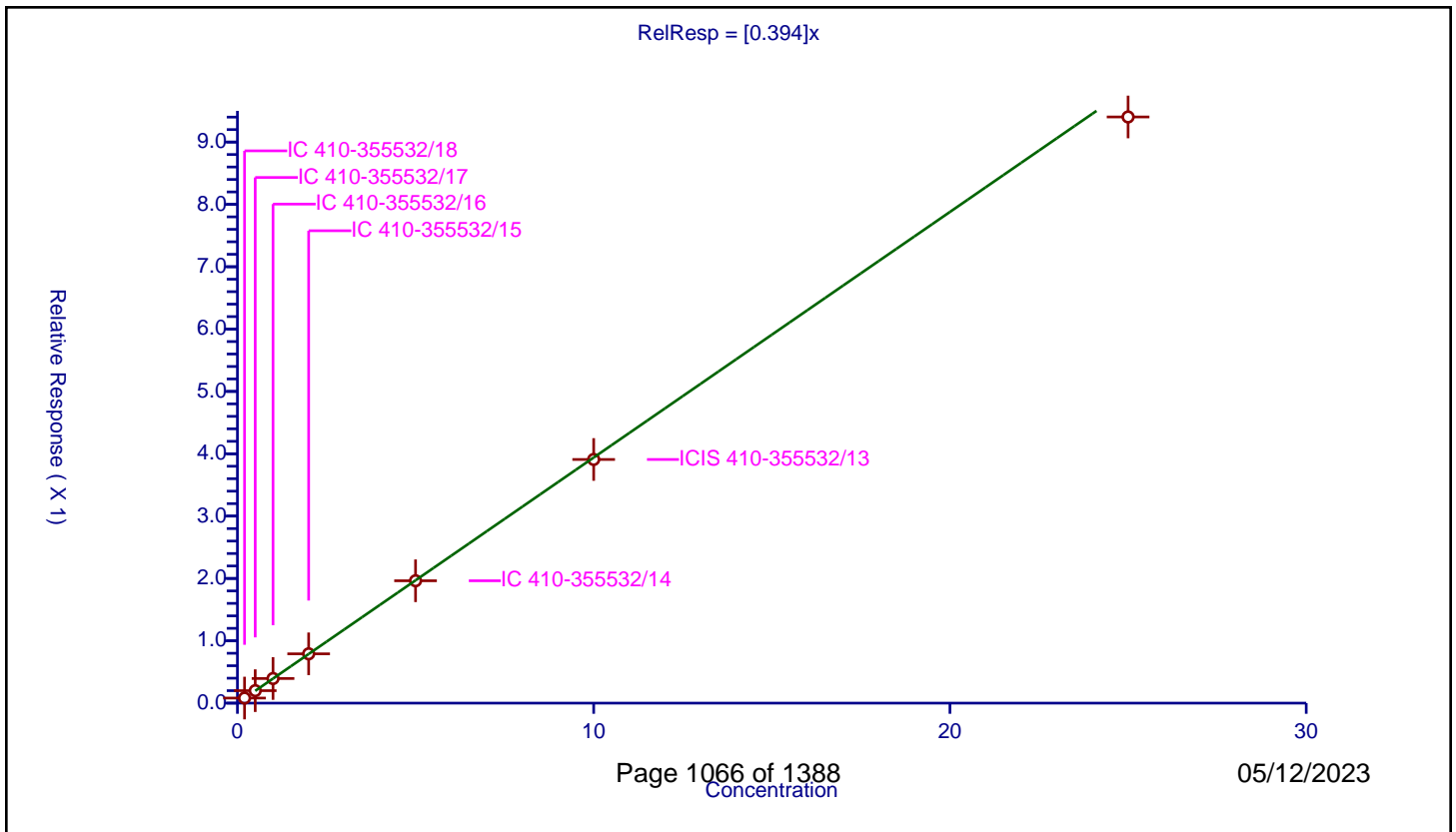
/ Vinyl chloride

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

Curve Coefficients	
Intercept:	0
Slope:	0.394

Error Coefficients	
Standard Error:	1020000
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 410-355532/18	0.2	0.081567	10.0	2286473.0	0.407833	Y
2	IC 410-355532/17	0.5	0.200013	10.0	2310552.0	0.400026	Y
3	IC 410-355532/16	1.0	0.394917	10.0	2343275.0	0.394917	Y
4	IC 410-355532/15	2.0	0.790924	10.0	2349279.0	0.395462	Y
5	IC 410-355532/14	5.0	1.962763	10.0	2387313.0	0.392553	Y
6	ICIS 410-355532/13	10.0	3.908465	10.0	2381761.0	0.390847	Y
7	IC 410-355532/12	25.0	9.402672	10.0	2408929.0	0.376107	Y



Calibration

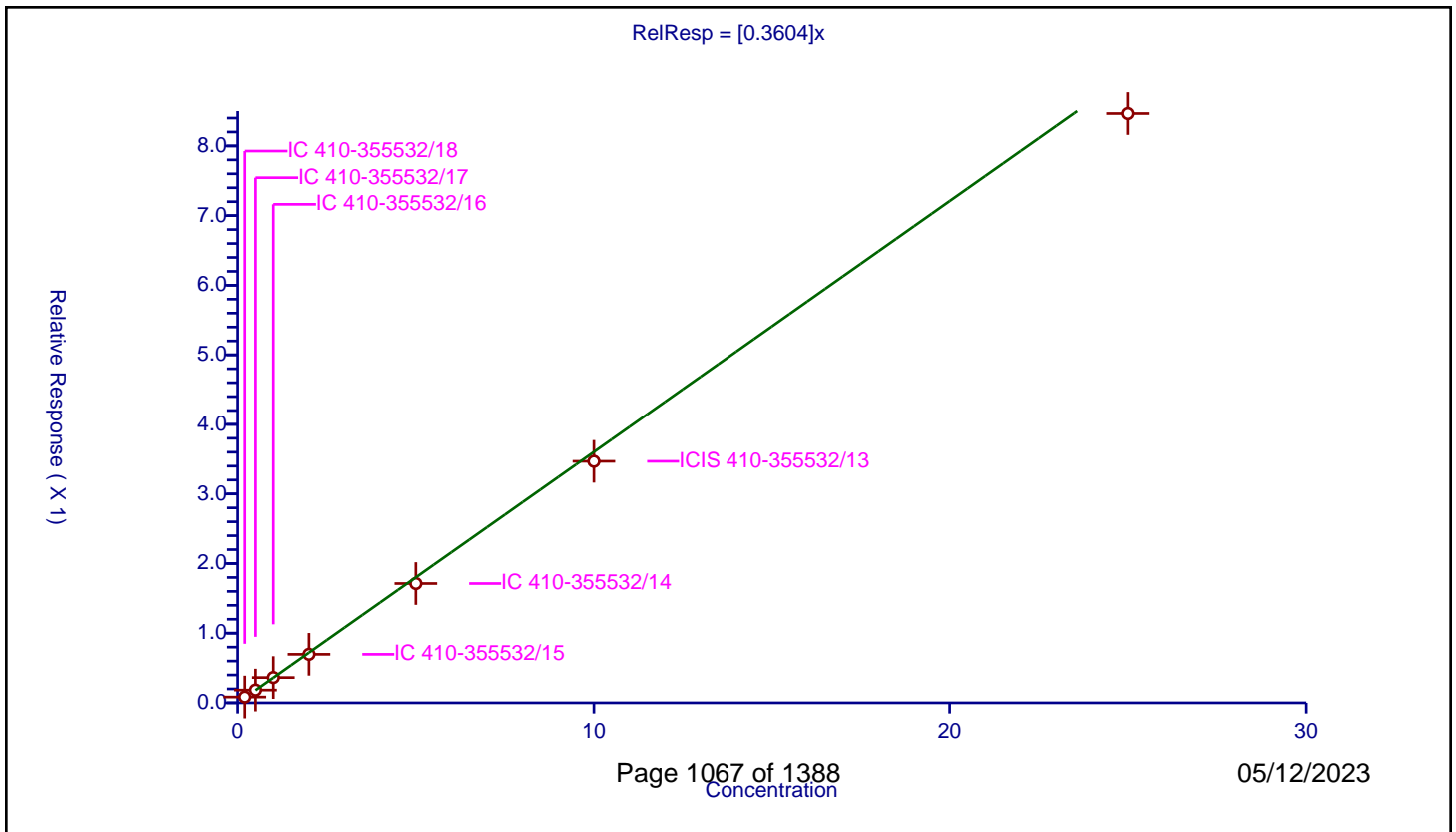
/ Butadiene

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

Curve Coefficients	
Intercept:	0
Slope:	0.3604

Error Coefficients	
Standard Error:	917000
Relative Standard Error:	7.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.083351	10.0	2286473.0	0.416755	Y
2	IC 410-355532/17	0.5	0.183376	10.0	2310552.0	0.366752	Y
3	IC 410-355532/16	1.0	0.363077	10.0	2343275.0	0.363077	Y
4	IC 410-355532/15	2.0	0.696665	10.0	2349279.0	0.348332	Y
5	IC 410-355532/14	5.0	1.713131	10.0	2387313.0	0.342626	Y
6	ICIS 410-355532/13	10.0	3.469	10.0	2381761.0	0.3469	Y
7	IC 410-355532/12	25.0	8.464641	10.0	2408929.0	0.338586	Y



Calibration

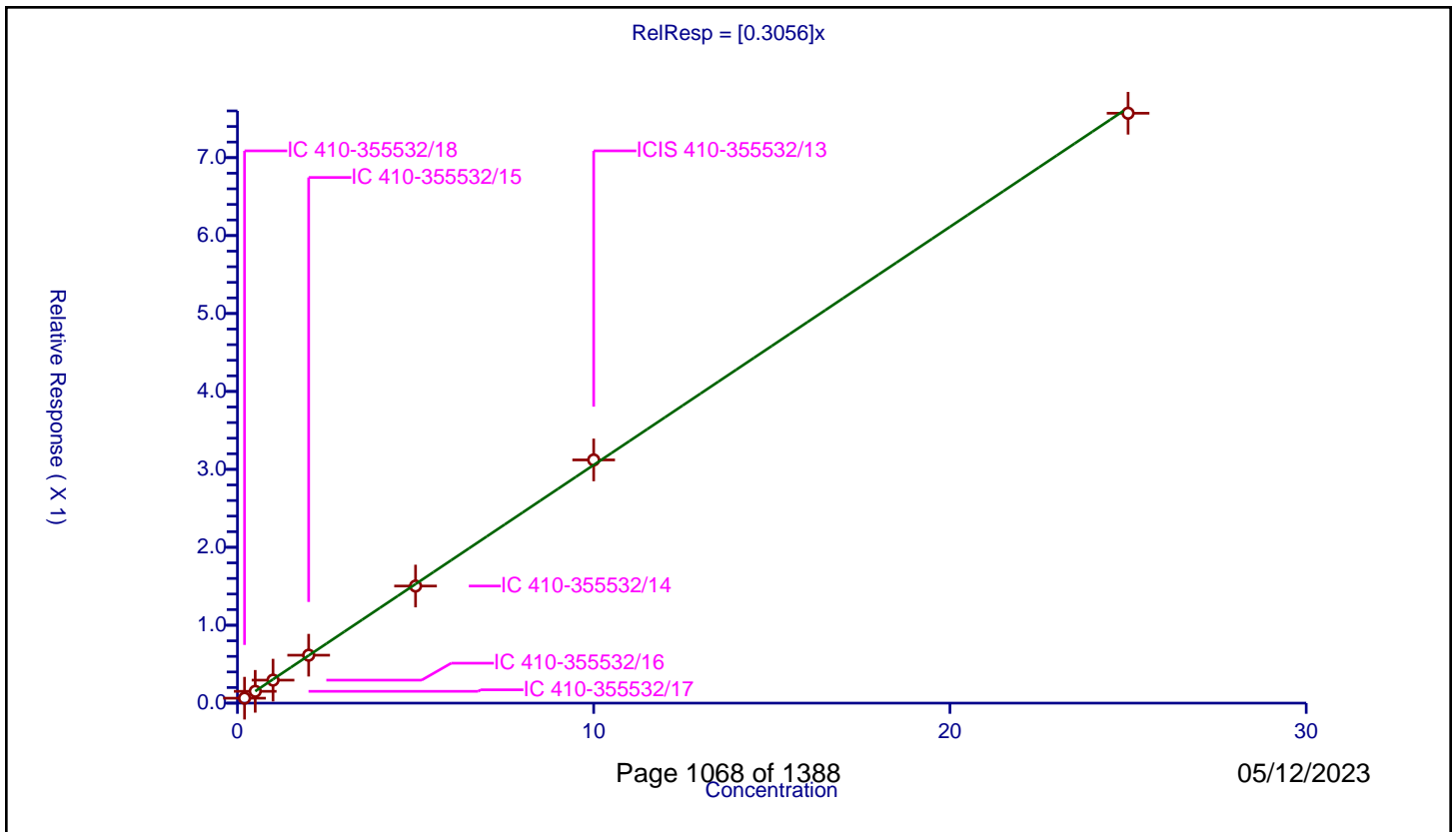
/ Bromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3056

Error Coefficients	
Standard Error:	820000
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 410-355532/18	0.2	0.063508	10.0	2286473.0	0.317541	Y
2	IC 410-355532/17	0.5	0.15173	10.0	2310552.0	0.30346	Y
3	IC 410-355532/16	1.0	0.295253	10.0	2343275.0	0.295253	Y
4	IC 410-355532/15	2.0	0.614895	10.0	2349279.0	0.307448	Y
5	IC 410-355532/14	5.0	1.502786	10.0	2387313.0	0.300557	Y
6	ICIS 410-355532/13	10.0	3.120993	10.0	2381761.0	0.312099	Y
7	IC 410-355532/12	25.0	7.569787	10.0	2408929.0	0.302791	Y



Calibration

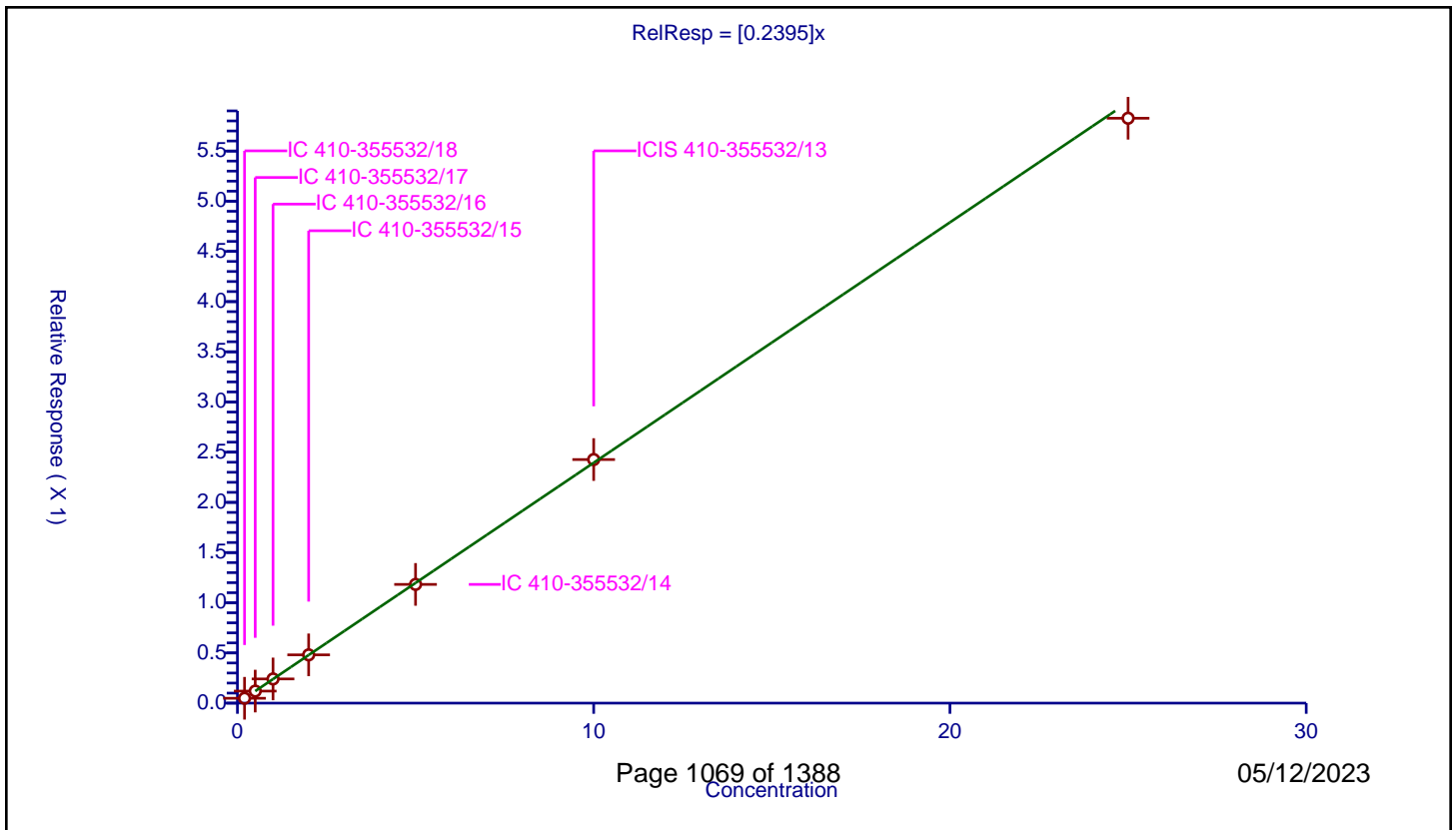
/ Chloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2395

Error Coefficients	
Standard Error:	633000
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 410-355532/18	0.2	0.048476	10.0	2286473.0	0.242382	Y
2	IC 410-355532/17	0.5	0.120036	10.0	2310552.0	0.240073	Y
3	IC 410-355532/16	1.0	0.241034	10.0	2343275.0	0.241034	Y
4	IC 410-355532/15	2.0	0.480884	10.0	2349279.0	0.240442	Y
5	IC 410-355532/14	5.0	1.182811	10.0	2387313.0	0.236562	Y
6	ICIS 410-355532/13	10.0	2.4267	10.0	2381761.0	0.24267	Y
7	IC 410-355532/12	25.0	5.826784	10.0	2408929.0	0.233071	Y



Calibration

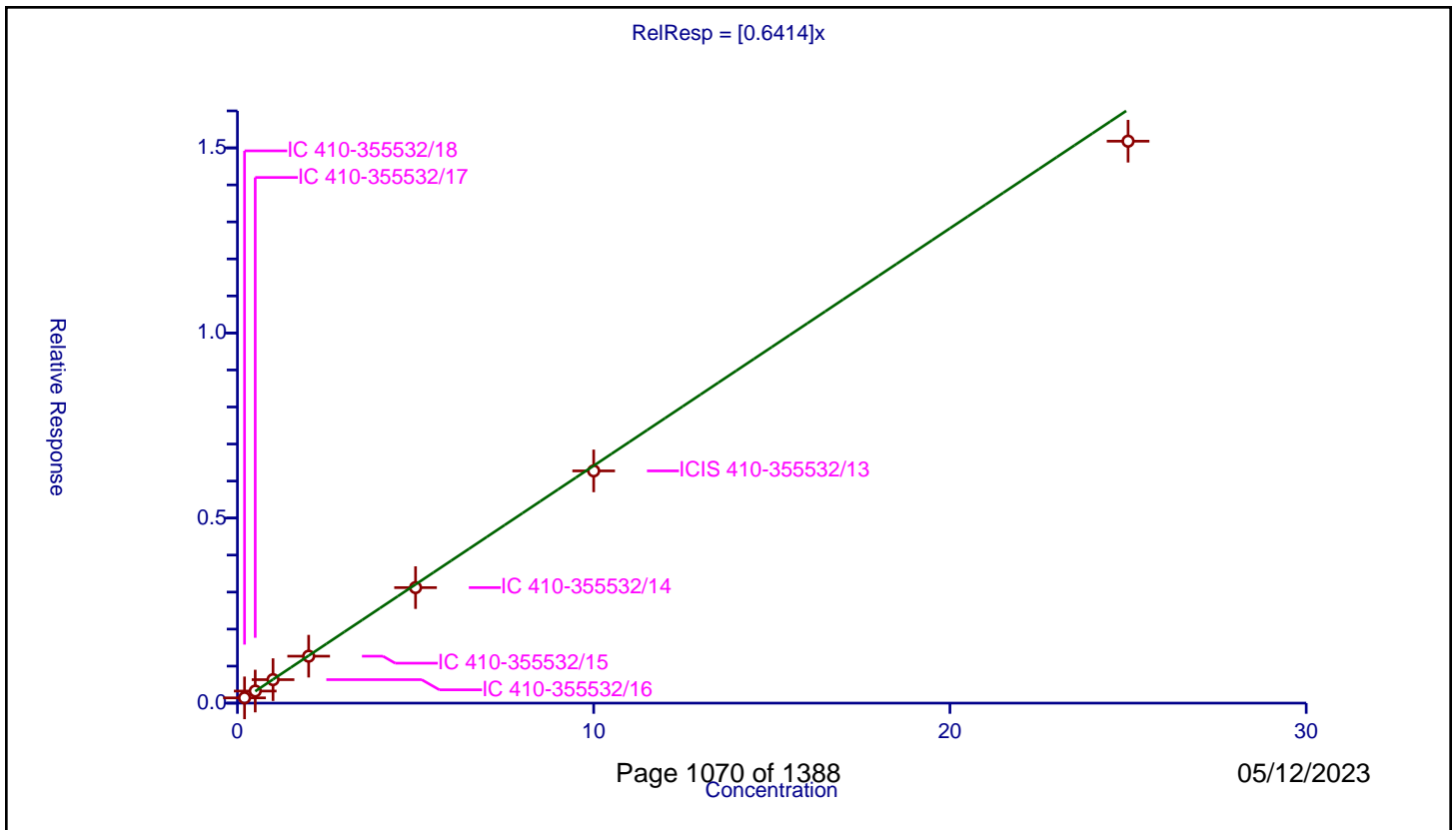
/ Dichlorofluoromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.6414

Error Coefficients	
Standard Error:	1650000
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 410-355532/18	0.2	0.141913	10.0	2286473.0	0.709564	Y
2	IC 410-355532/17	0.5	0.326532	10.0	2310552.0	0.653065	Y
3	IC 410-355532/16	1.0	0.634147	10.0	2343275.0	0.634147	Y
4	IC 410-355532/15	2.0	1.267968	10.0	2349279.0	0.633984	Y
5	IC 410-355532/14	5.0	3.12068	10.0	2387313.0	0.624136	Y
6	ICIS 410-355532/13	10.0	6.274043	10.0	2381761.0	0.627404	Y
7	IC 410-355532/12	25.0	15.18144	10.0	2408929.0	0.607258	Y



Calibration

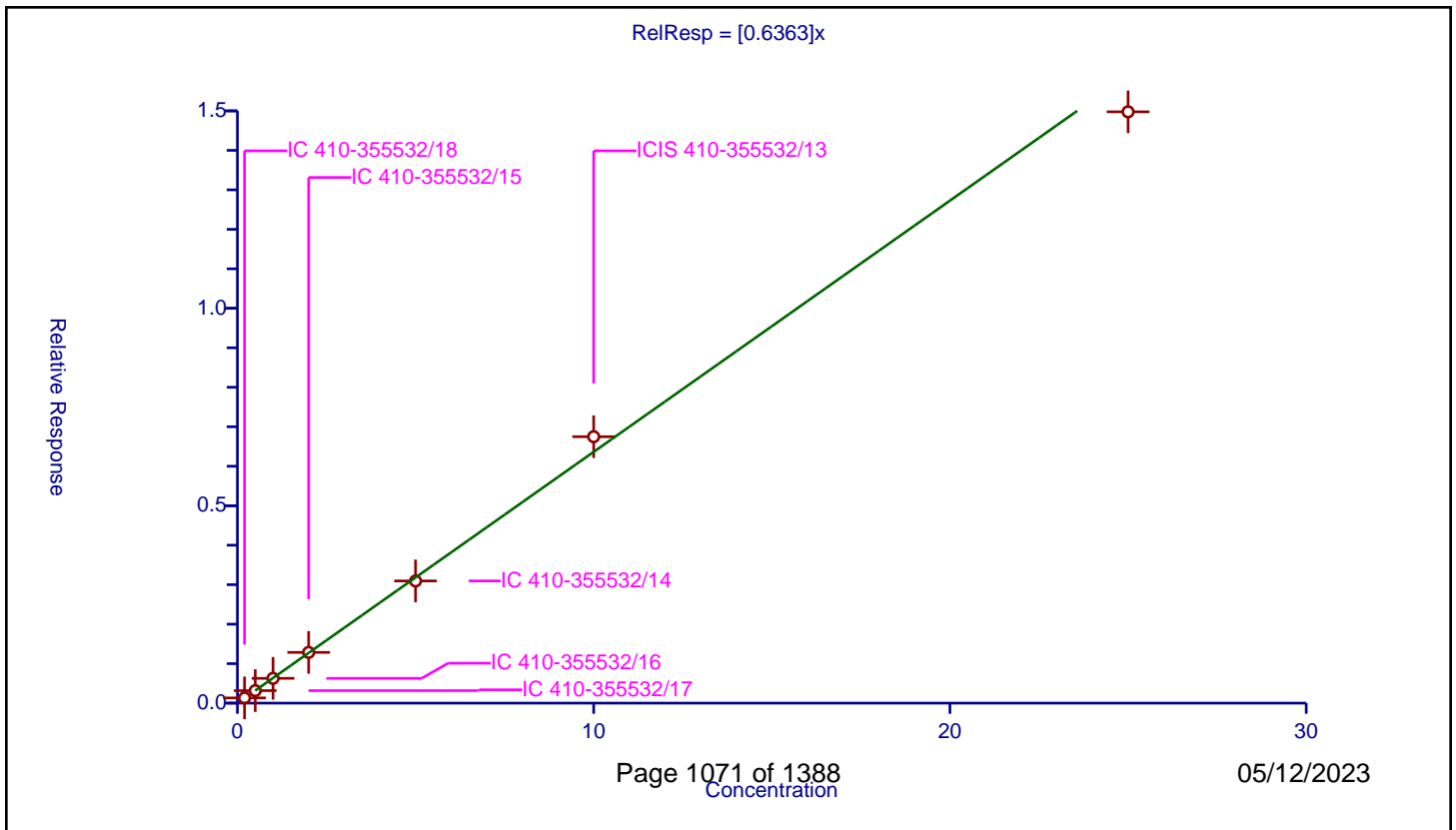
/ Trichlorofluoromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.6363

Error Coefficients	
Standard Error:	1650000
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 410-355532/18	0.2	0.131622	10.0	2286473.0	0.65811	Y
2	IC 410-355532/17	0.5	0.316842	10.0	2310552.0	0.633684	Y
3	IC 410-355532/16	1.0	0.627511	10.0	2343275.0	0.627511	Y
4	IC 410-355532/15	2.0	1.284581	10.0	2349279.0	0.642291	Y
5	IC 410-355532/14	5.0	3.094232	10.0	2387313.0	0.618846	Y
6	ICIS 410-355532/13	10.0	6.748209	10.0	2381761.0	0.674821	Y
7	IC 410-355532/12	25.0	14.976672	10.0	2408929.0	0.599067	Y



Calibration

/ Ethyl ether

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

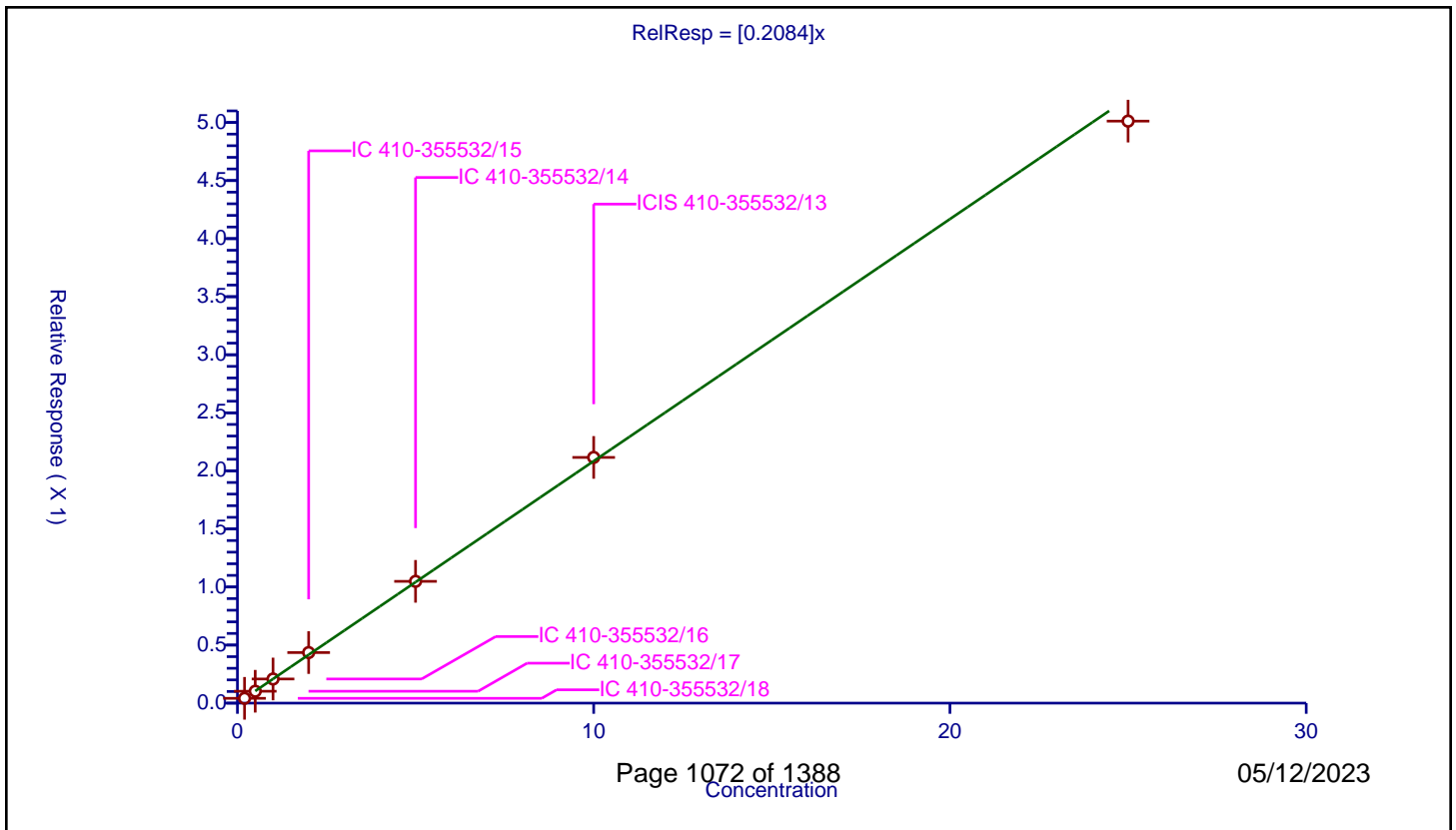
Curve Coefficients

Intercept: 0
 Slope: 0.2084

Error Coefficients

Standard Error: 546000
 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 410-355532/18	0.199998	0.041339	10.0	2286473.0	0.206695	Y
2	IC 410-355532/17	0.499996	0.10243	10.0	2310552.0	0.204862	Y
3	IC 410-355532/16	0.999992	0.207799	10.0	2343275.0	0.2078	Y
4	IC 410-355532/15	1.999985	0.435436	10.0	2349279.0	0.21772	Y
5	IC 410-355532/14	4.999962	1.048807	10.0	2387313.0	0.209763	Y
6	ICIS 410-355532/13	9.999924	2.115897	10.0	2381761.0	0.211591	Y
7	IC 410-355532/12	24.99981	5.011999	10.0	2408929.0	0.200481	Y



Calibration

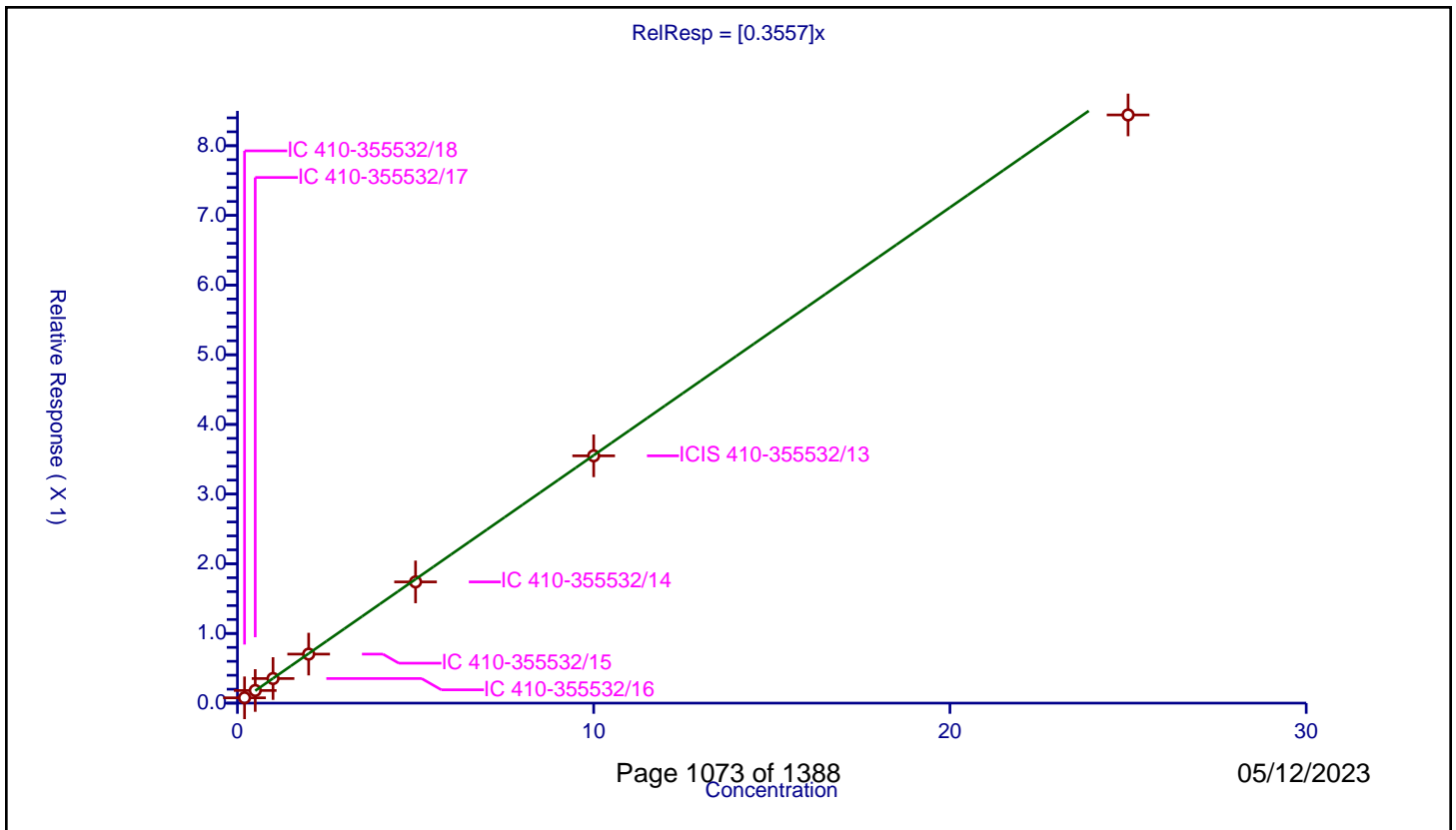
/ 1,2-Dichloro-1,1,2-trifluoroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3557

Error Coefficients	
Standard Error:	918000
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 410-355532/18	0.2	0.076428	10.0	2286473.0	0.382139	Y
2	IC 410-355532/17	0.5	0.181199	10.0	2310552.0	0.362398	Y
3	IC 410-355532/16	1.0	0.352938	10.0	2343275.0	0.352938	Y
4	IC 410-355532/15	2.0	0.703556	10.0	2349279.0	0.351778	Y
5	IC 410-355532/14	5.0	1.73996	10.0	2387313.0	0.347992	Y
6	ICIS 410-355532/13	10.0	3.549395	10.0	2381761.0	0.354939	Y
7	IC 410-355532/12	25.0	8.441872	10.0	2408929.0	0.337675	Y



Calibration

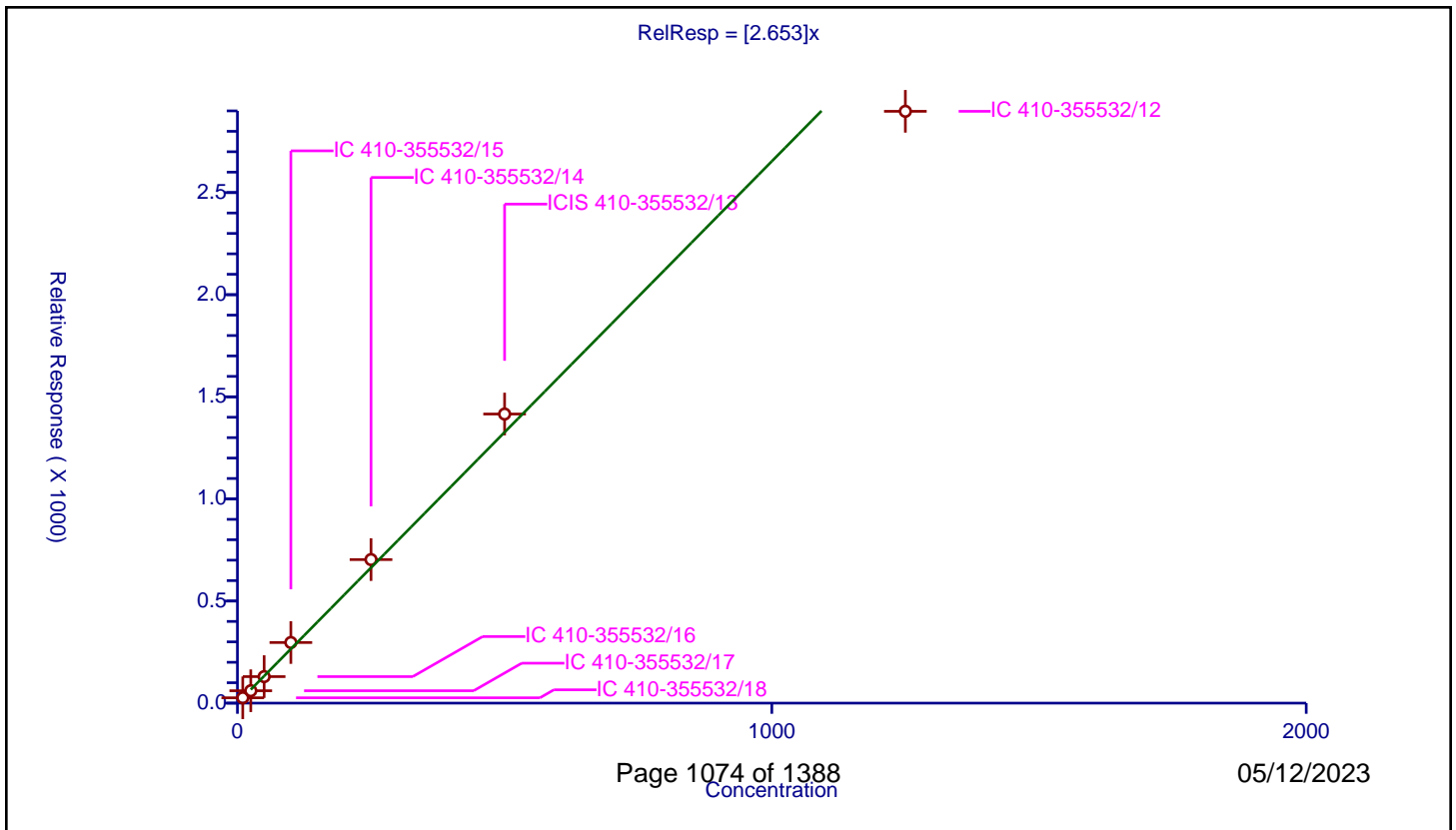
/ Acrolein

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

Curve Coefficients	
Intercept:	0
Slope:	2.653

Error Coefficients	
Standard Error:	3700000
Relative Standard Error:	8.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	9.999352	26.18253	50.0	126445.0	2.618423	Y
2	IC 410-355532/17	24.998379	60.695671	50.0	153492.0	2.427984	Y
3	IC 410-355532/16	49.996759	129.785908	50.0	134008.0	2.595886	Y
4	IC 410-355532/15	99.993517	296.792495	50.0	97646.0	2.968117	Y
5	IC 410-355532/14	249.983793	702.885698	50.0	125221.0	2.811725	Y
6	ICIS 410-355532/13	499.967587	1415.619316	50.0	120956.0	2.831422	Y
7	IC 410-355532/12	1249.918967	2897.927044	50.0	141127.0	2.318492	Y



Calibration

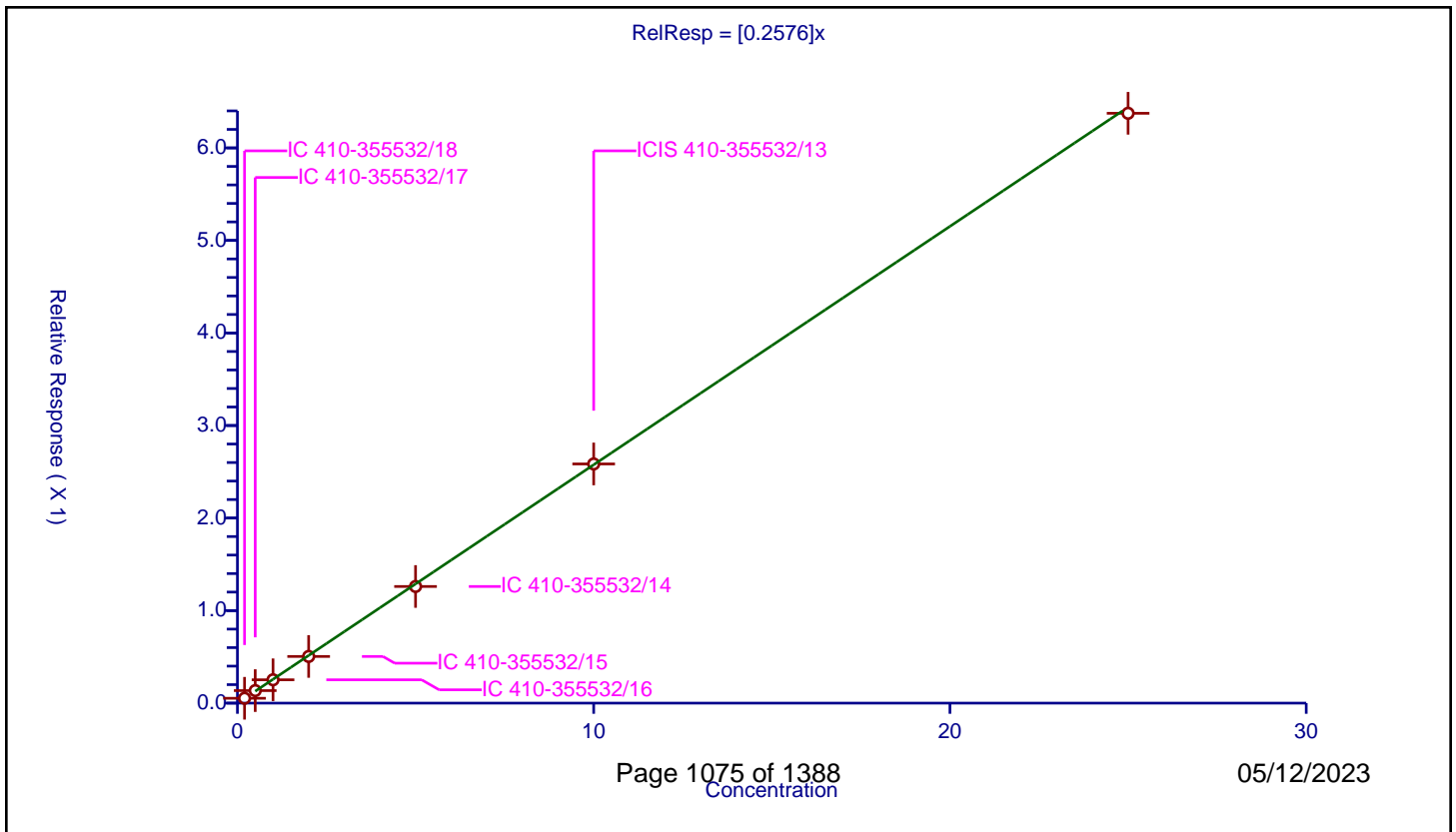
/ 1,1-Dichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.2576

Error Coefficients	
Standard Error:	689000
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 410-355532/18	0.2	0.052443	10.0	2286473.0	0.262216	Y
2	IC 410-355532/17	0.5	0.1355	10.0	2310552.0	0.271	Y
3	IC 410-355532/16	1.0	0.252232	10.0	2343275.0	0.252232	Y
4	IC 410-355532/15	2.0	0.504495	10.0	2349279.0	0.252248	Y
5	IC 410-355532/14	5.0	1.260543	10.0	2387313.0	0.252109	Y
6	ICIS 410-355532/13	10.0	2.584642	10.0	2381761.0	0.258464	Y
7	IC 410-355532/12	25.0	6.374131	10.0	2408929.0	0.254965	Y



Calibration

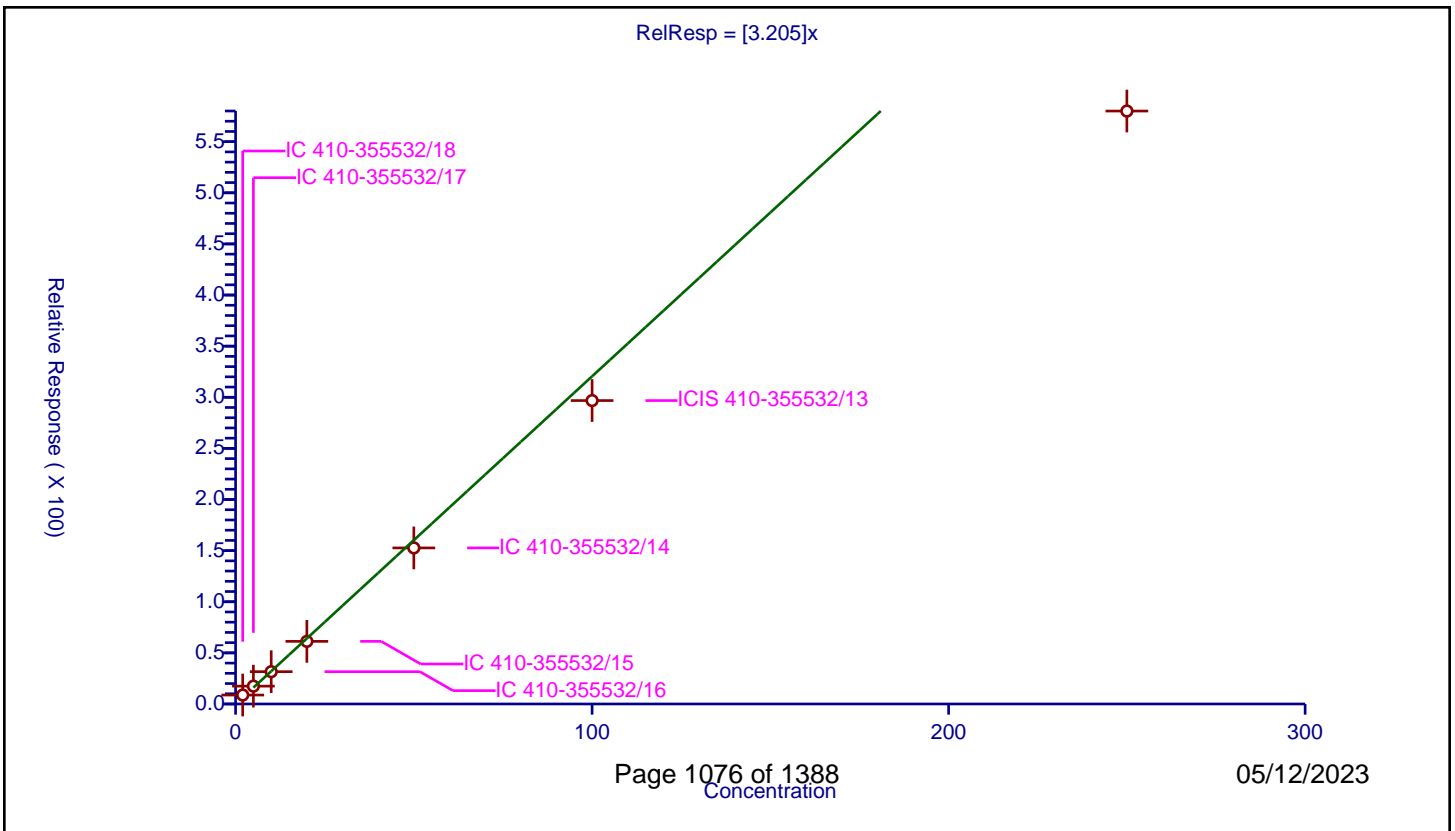
/ Acetone

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

Curve Coefficients	
Intercept:	0
Slope:	3.205

Error Coefficients	
Standard Error:	749000
Relative Standard Error:	19.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.933

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	2.0	8.759935	50.0	126445.0	4.379968	Y
2	IC 410-355532/17	5.0	17.455959	50.0	153492.0	3.491192	Y
3	IC 410-355532/16	10.0	31.58692	50.0	134008.0	3.158692	Y
4	IC 410-355532/15	20.0	61.262622	50.0	97646.0	3.063131	Y
5	IC 410-355532/14	50.0	152.660896	50.0	125221.0	3.053218	Y
6	ICIS 410-355532/13	100.0	296.784781	50.0	120956.0	2.967848	Y
7	IC 410-355532/12	250.0	579.97194	50.0	141127.0	2.319888	Y



Calibration

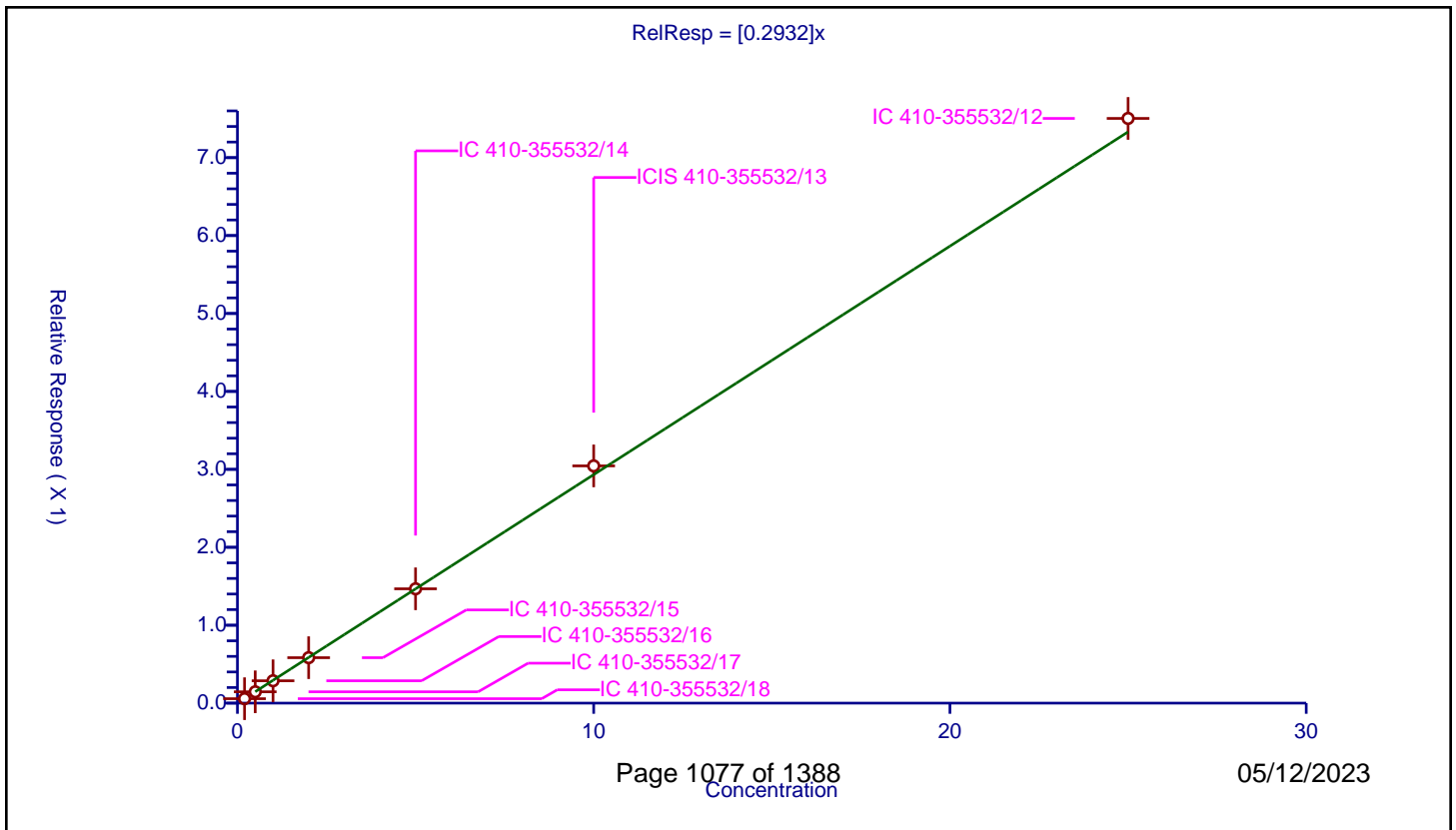
/ 1,1,2-Trichloro-1,2,2-trifluoroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2932

Error Coefficients	
Standard Error:	810000
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 410-355532/18	0.2	0.057014	10.0	2286473.0	0.285068	Y
2	IC 410-355532/17	0.5	0.145407	10.0	2310552.0	0.290814	Y
3	IC 410-355532/16	1.0	0.287047	10.0	2343275.0	0.287047	Y
4	IC 410-355532/15	2.0	0.583324	10.0	2349279.0	0.291662	Y
5	IC 410-355532/14	5.0	1.466955	10.0	2387313.0	0.293391	Y
6	ICIS 410-355532/13	10.0	3.044428	10.0	2381761.0	0.304443	Y
7	IC 410-355532/12	25.0	7.50333	10.0	2408929.0	0.300133	Y



Calibration

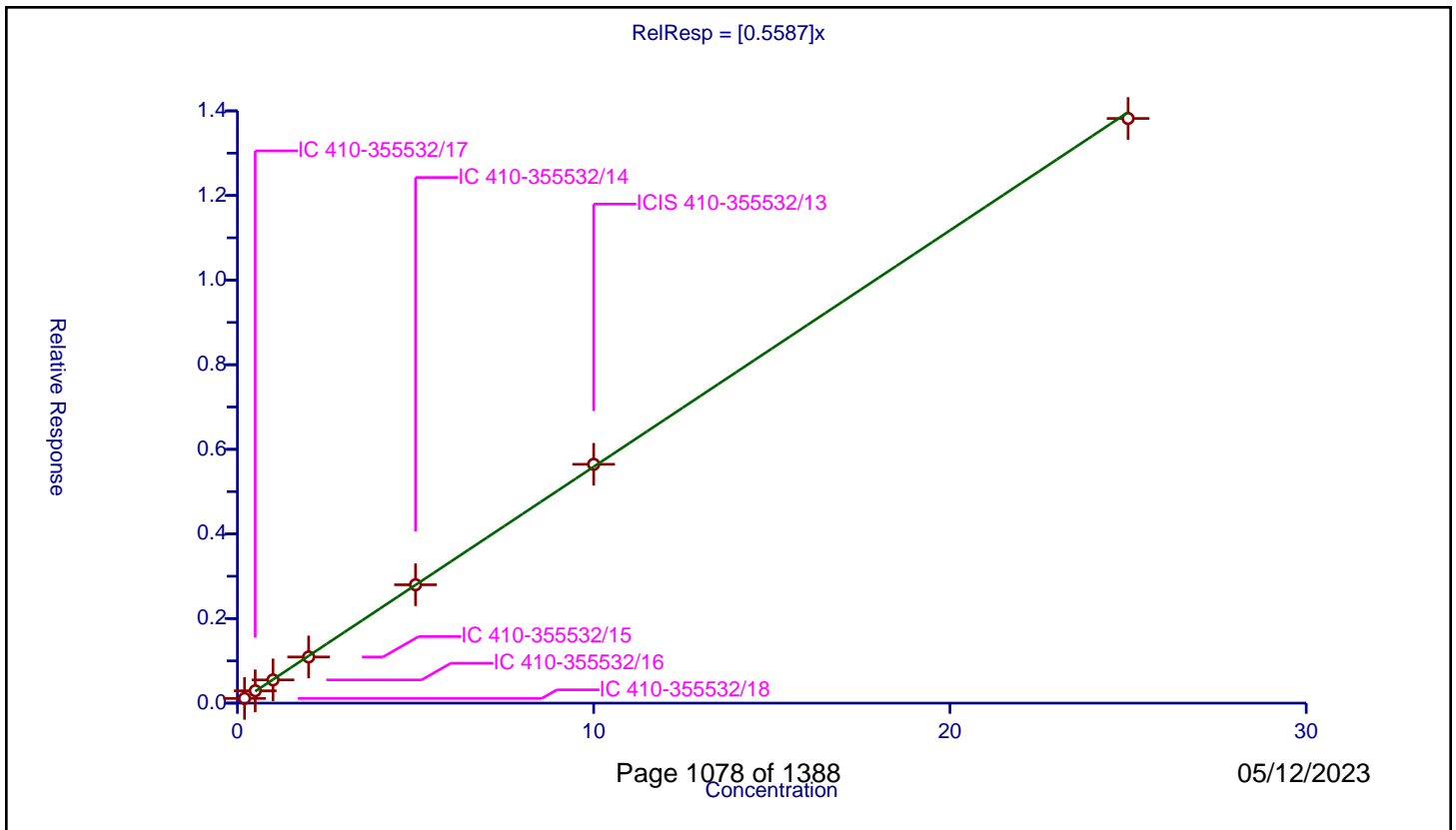
/ Iodomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.5587

Error Coefficients	
Standard Error:	1500000
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 410-355532/18	0.2	0.110992	10.0	2286473.0	0.55496	Y
2	IC 410-355532/17	0.5	0.292043	10.0	2310552.0	0.584086	Y
3	IC 410-355532/16	1.0	0.54912	10.0	2343275.0	0.54912	Y
4	IC 410-355532/15	2.0	1.091373	10.0	2349279.0	0.545687	Y
5	IC 410-355532/14	5.0	2.798489	10.0	2387313.0	0.559698	Y
6	ICIS 410-355532/13	10.0	5.645869	10.0	2381761.0	0.564587	Y
7	IC 410-355532/12	25.0	13.820839	10.0	2408929.0	0.552834	Y



Calibration

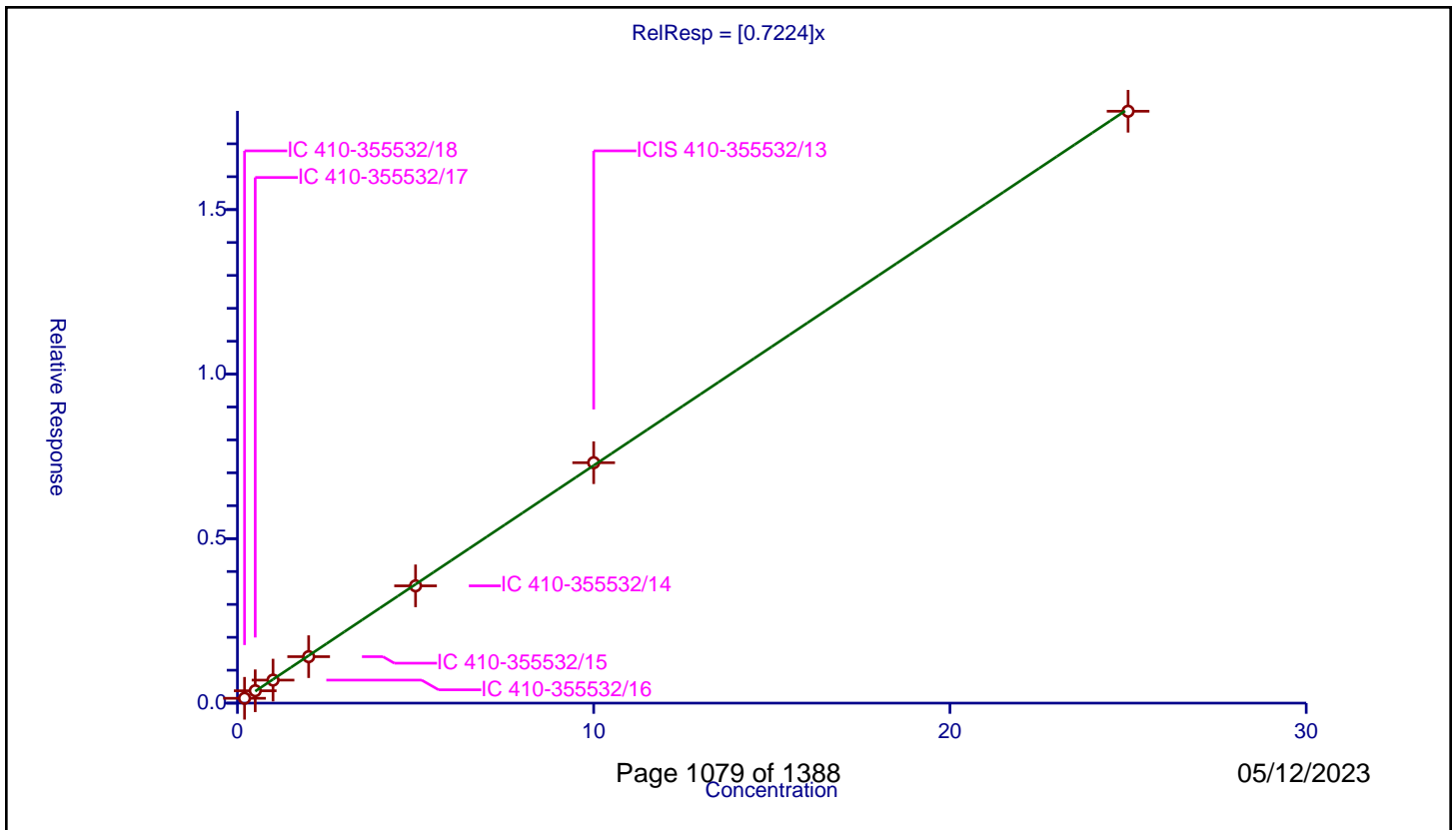
/ Carbon disulfide

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

Curve Coefficients	
Intercept:	0
Slope:	0.7224

Error Coefficients	
Standard Error:	1940000
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 410-355532/18	0.2	0.147157	10.0	2286473.0	0.735784	Y
2	IC 410-355532/17	0.5	0.375612	10.0	2310552.0	0.751223	Y
3	IC 410-355532/16	1.0	0.699956	10.0	2343275.0	0.699956	Y
4	IC 410-355532/15	2.0	1.412429	10.0	2349279.0	0.706215	Y
5	IC 410-355532/14	5.0	3.564887	10.0	2387313.0	0.712977	Y
6	ICIS 410-355532/13	10.0	7.307274	10.0	2381761.0	0.730727	Y
7	IC 410-355532/12	25.0	17.989235	10.0	2408929.0	0.719569	Y



Calibration

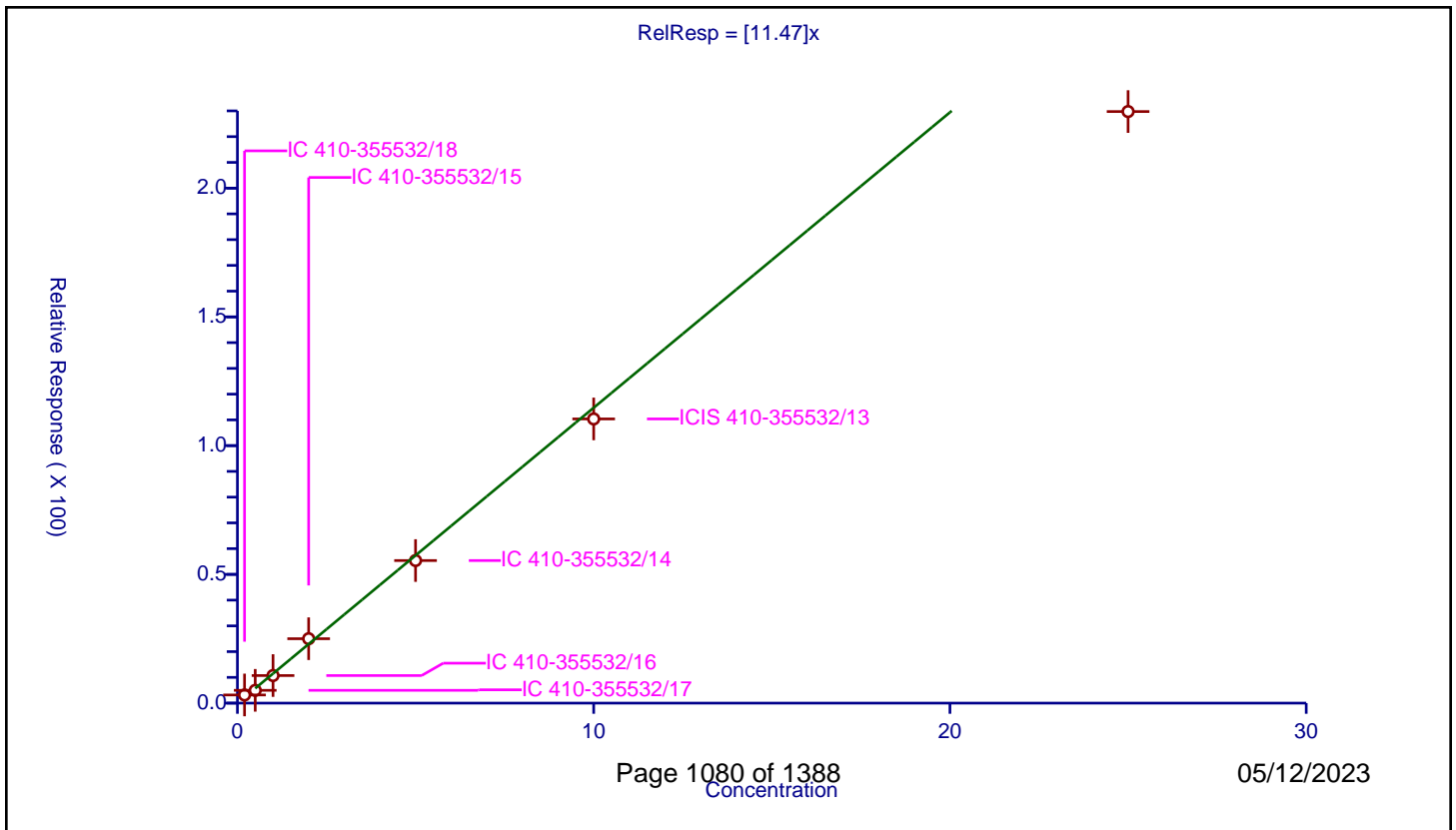
/ Methyl acetate

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

Curve Coefficients	
Intercept:	0
Slope:	11.47

Error Coefficients	
Standard Error:	293000
Relative Standard Error:	19.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.940

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	3.170153	50.0	126445.0	15.850765	Y
2	IC 410-355532/17	0.5	4.964754	50.0	153492.0	9.929508	Y
3	IC 410-355532/16	1.0	10.713166	50.0	134008.0	10.713166	Y
4	IC 410-355532/15	2.0	25.013313	50.0	97646.0	12.506657	Y
5	IC 410-355532/14	5.0	55.376894	50.0	125221.0	11.075379	Y
6	ICIS 410-355532/13	10.0	110.36906	50.0	120956.0	11.036906	Y
7	IC 410-355532/12	25.0	229.743068	50.0	141127.0	9.189723	Y



Calibration

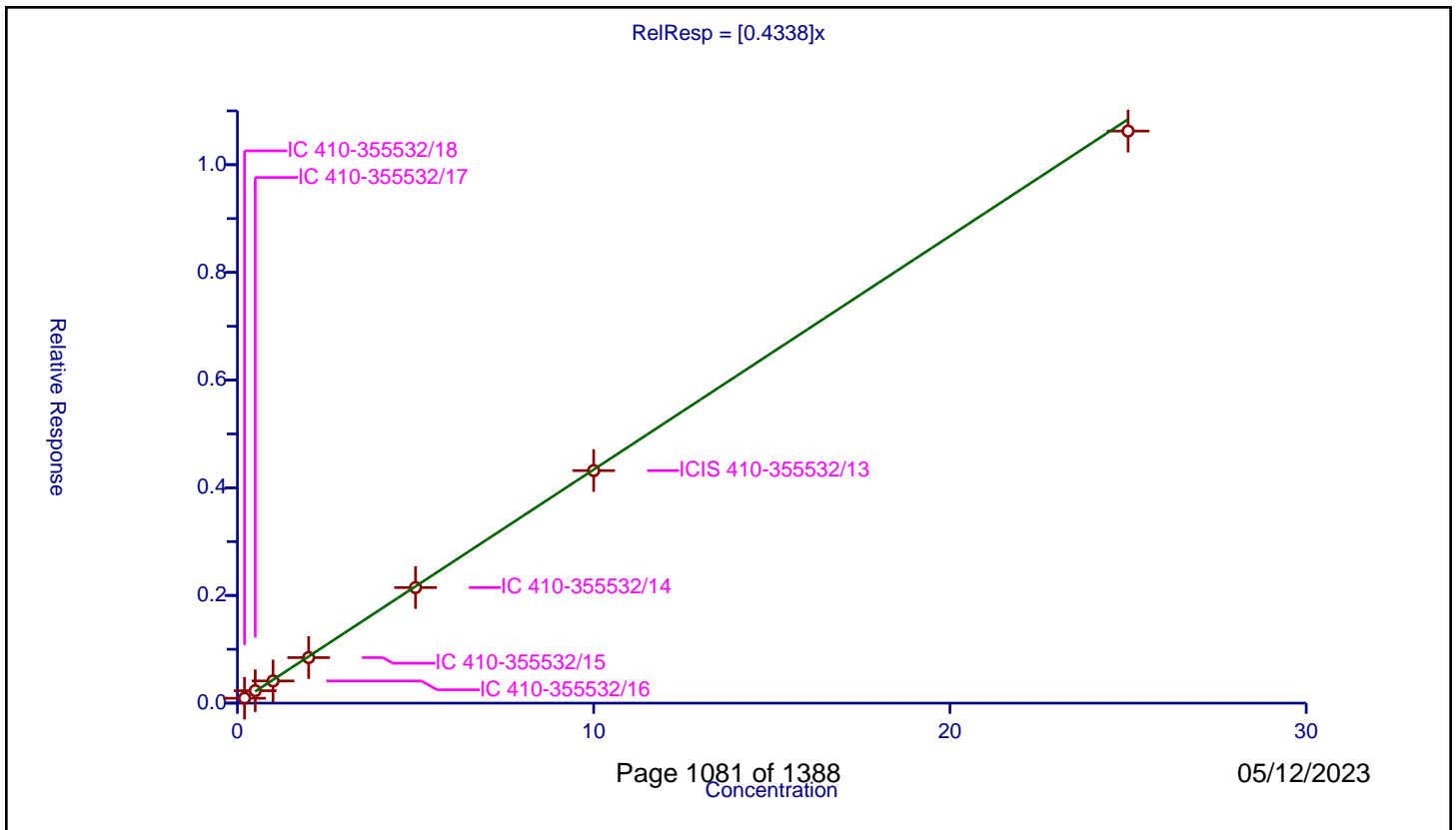
/ 3-Chloro-1-propene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4338

Error Coefficients	
Standard Error:	1150000
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 410-355532/18	0.2	0.090817	10.0	2286473.0	0.454084	Y
2	IC 410-355532/17	0.5	0.23085	10.0	2310552.0	0.461699	Y
3	IC 410-355532/16	1.0	0.411723	10.0	2343275.0	0.411723	Y
4	IC 410-355532/15	2.0	0.845455	10.0	2349279.0	0.422728	Y
5	IC 410-355532/14	5.0	2.146271	10.0	2387313.0	0.429254	Y
6	ICIS 410-355532/13	10.0	4.319056	10.0	2381761.0	0.431906	Y
7	IC 410-355532/12	25.0	10.625182	10.0	2408929.0	0.425007	Y



Calibration

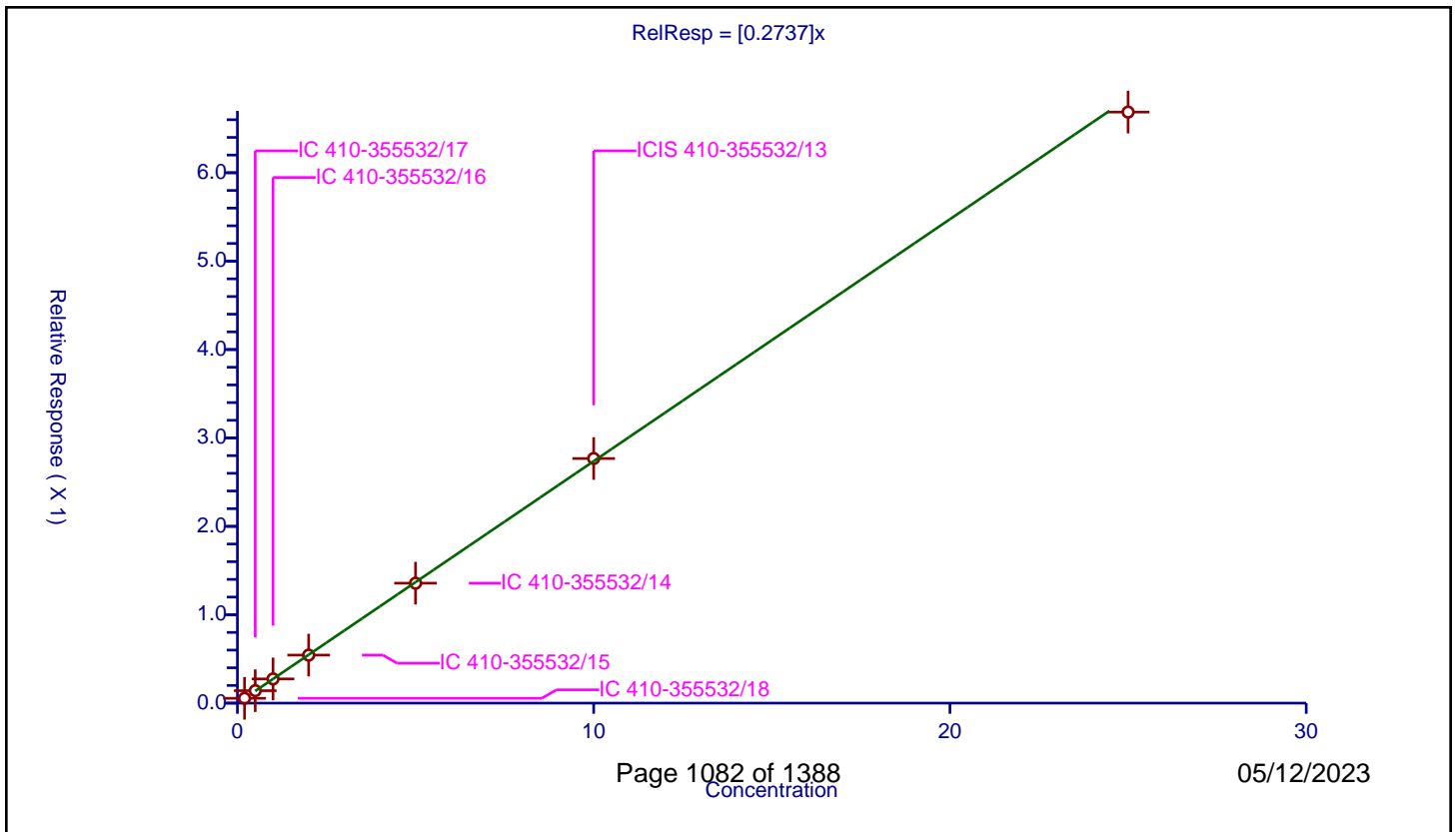
/ Methylene Chloride

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

Curve Coefficients	
Intercept:	0
Slope:	0.2737

Error Coefficients	
Standard Error:	725000
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 410-355532/18	0.2	0.054639	10.0	2286473.0	0.273194	Y
2	IC 410-355532/17	0.5	0.140737	10.0	2310552.0	0.281474	Y
3	IC 410-355532/16	1.0	0.274176	10.0	2343275.0	0.274176	Y
4	IC 410-355532/15	2.0	0.543367	10.0	2349279.0	0.271683	Y
5	IC 410-355532/14	5.0	1.356856	10.0	2387313.0	0.271371	Y
6	ICIS 410-355532/13	10.0	2.767284	10.0	2381761.0	0.276728	Y
7	IC 410-355532/12	25.0	6.686544	10.0	2408929.0	0.267462	Y



Calibration

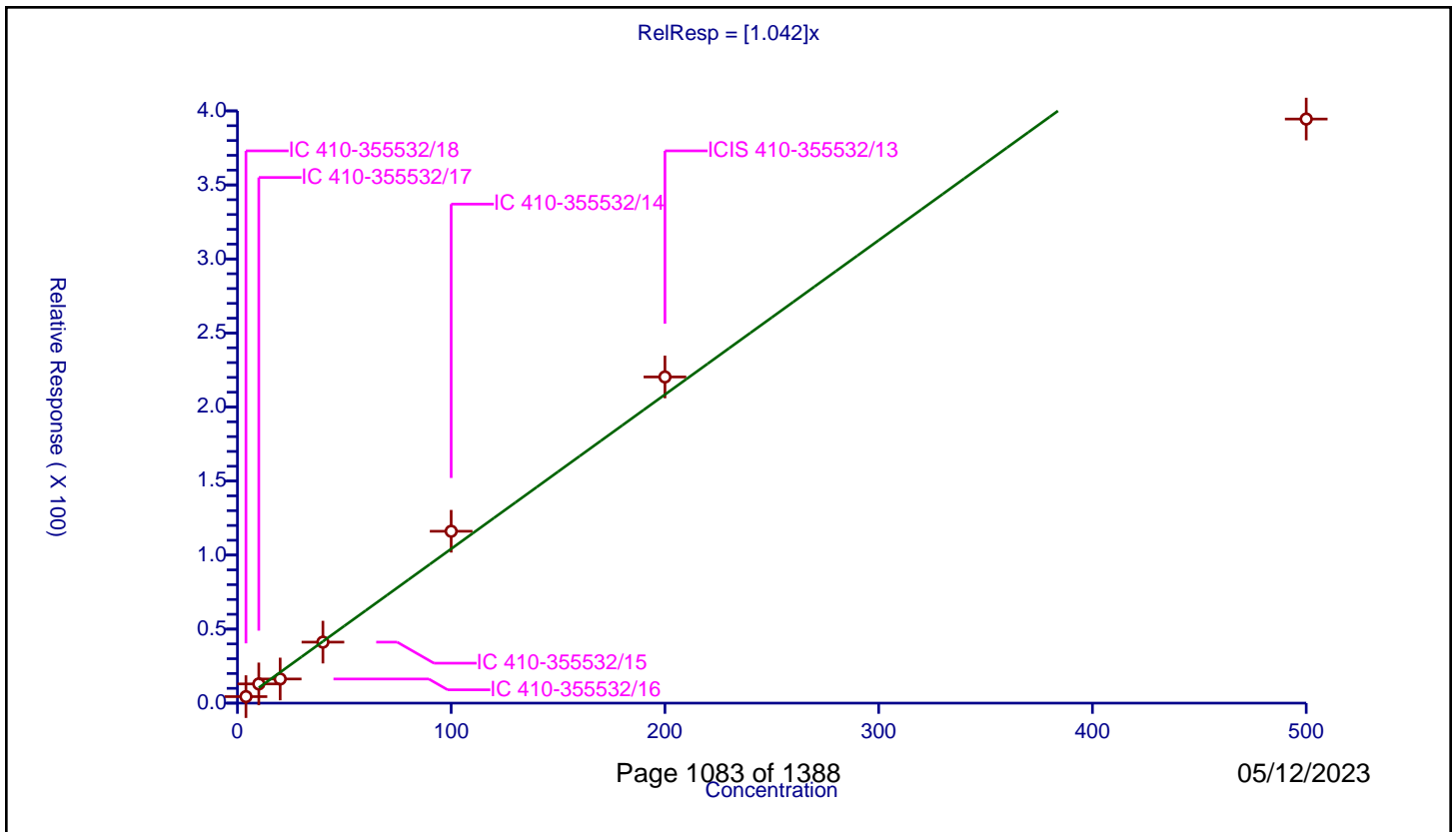
/ 2-Methyl-2-propanol

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

Curve Coefficients	
Intercept:	0
Slope:	1.042

Error Coefficients	
Standard Error:	519000
Relative Standard Error:	17.6
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.956

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	4.0	4.401914	50.0	126445.0	1.100478	Y
2	IC 410-355532/17	10.0	12.970383	50.0	153492.0	1.297038	Y
3	IC 410-355532/16	20.0	16.303504	50.0	134008.0	0.815175	Y
4	IC 410-355532/15	40.0	41.205989	50.0	97646.0	1.03015	Y
5	IC 410-355532/14	100.0	116.082366	50.0	125221.0	1.160824	Y
6	ICIS 410-355532/13	200.0	220.289609	50.0	120956.0	1.101448	Y
7	IC 410-355532/12	500.0	394.493258	50.0	141127.0	0.788987	Y



Calibration

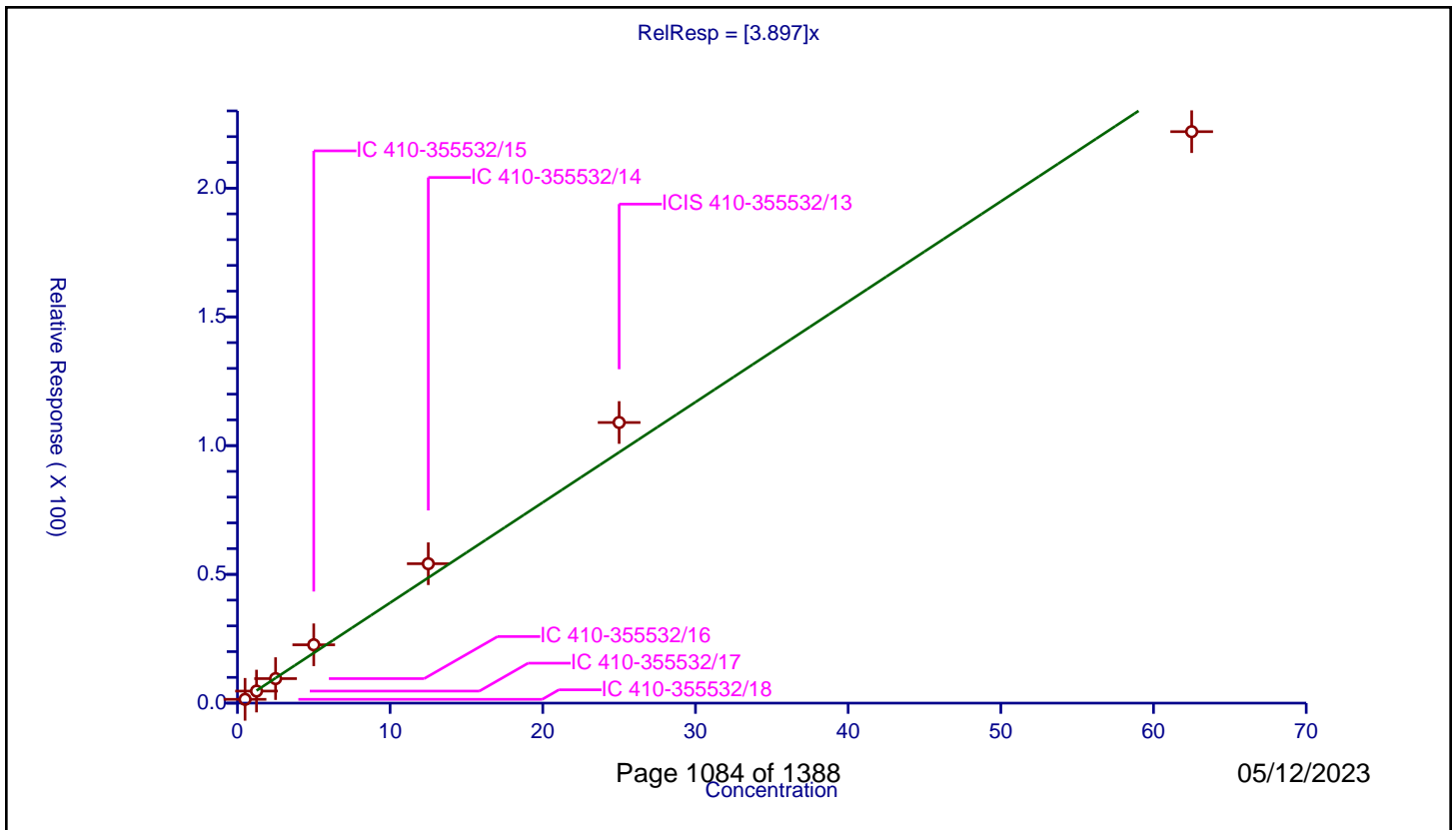
/ Acrylonitrile

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

Curve Coefficients	
Intercept:	0
Slope:	3.897

Error Coefficients	
Standard Error:	284000
Relative Standard Error:	14.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.5	1.476136	50.0	126445.0	2.952272	Y
2	IC 410-355532/17	1.25	4.682654	50.0	153492.0	3.746124	Y
3	IC 410-355532/16	2.5	9.518835	50.0	134008.0	3.807534	Y
4	IC 410-355532/15	5.0	22.654282	50.0	97646.0	4.530856	Y
5	IC 410-355532/14	12.5	54.14587	50.0	125221.0	4.33167	Y
6	ICIS 410-355532/13	25.0	108.978885	50.0	120956.0	4.359155	Y
7	IC 410-355532/12	62.5	221.929184	50.0	141127.0	3.550867	Y



Calibration

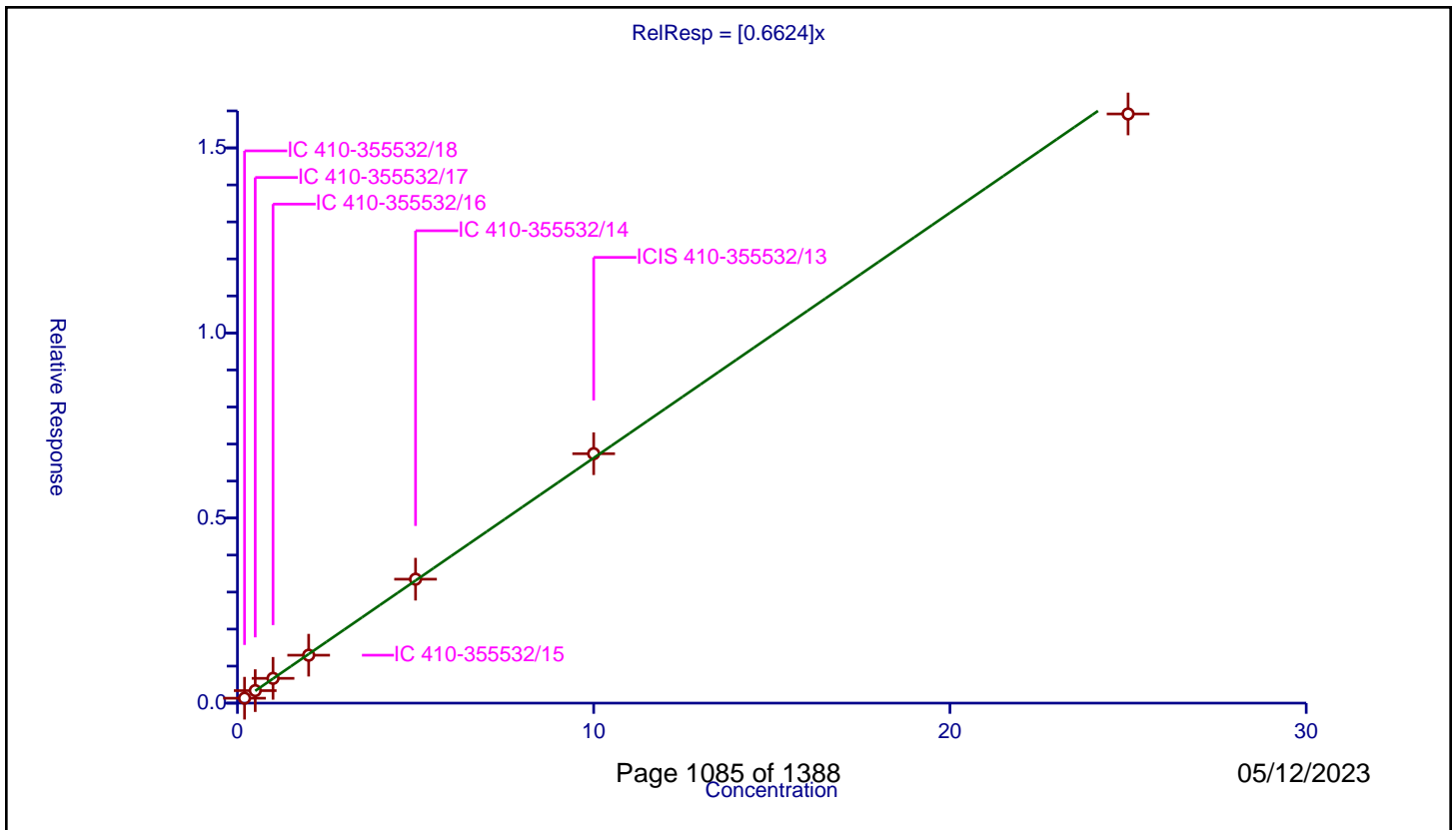
/ Methyl tert-butyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.6624

Error Coefficients	
Standard Error:	1730000
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 410-355532/18	0.2	0.132698	10.0	2286473.0	0.663489	Y
2	IC 410-355532/17	0.5	0.337781	10.0	2310552.0	0.675562	Y
3	IC 410-355532/16	1.0	0.66961	10.0	2343275.0	0.66961	Y
4	IC 410-355532/15	2.0	1.294976	10.0	2349279.0	0.647488	Y
5	IC 410-355532/14	5.0	3.348497	10.0	2387313.0	0.669699	Y
6	ICIS 410-355532/13	10.0	6.739043	10.0	2381761.0	0.673904	Y
7	IC 410-355532/12	25.0	15.917601	10.0	2408929.0	0.636704	Y



Calibration

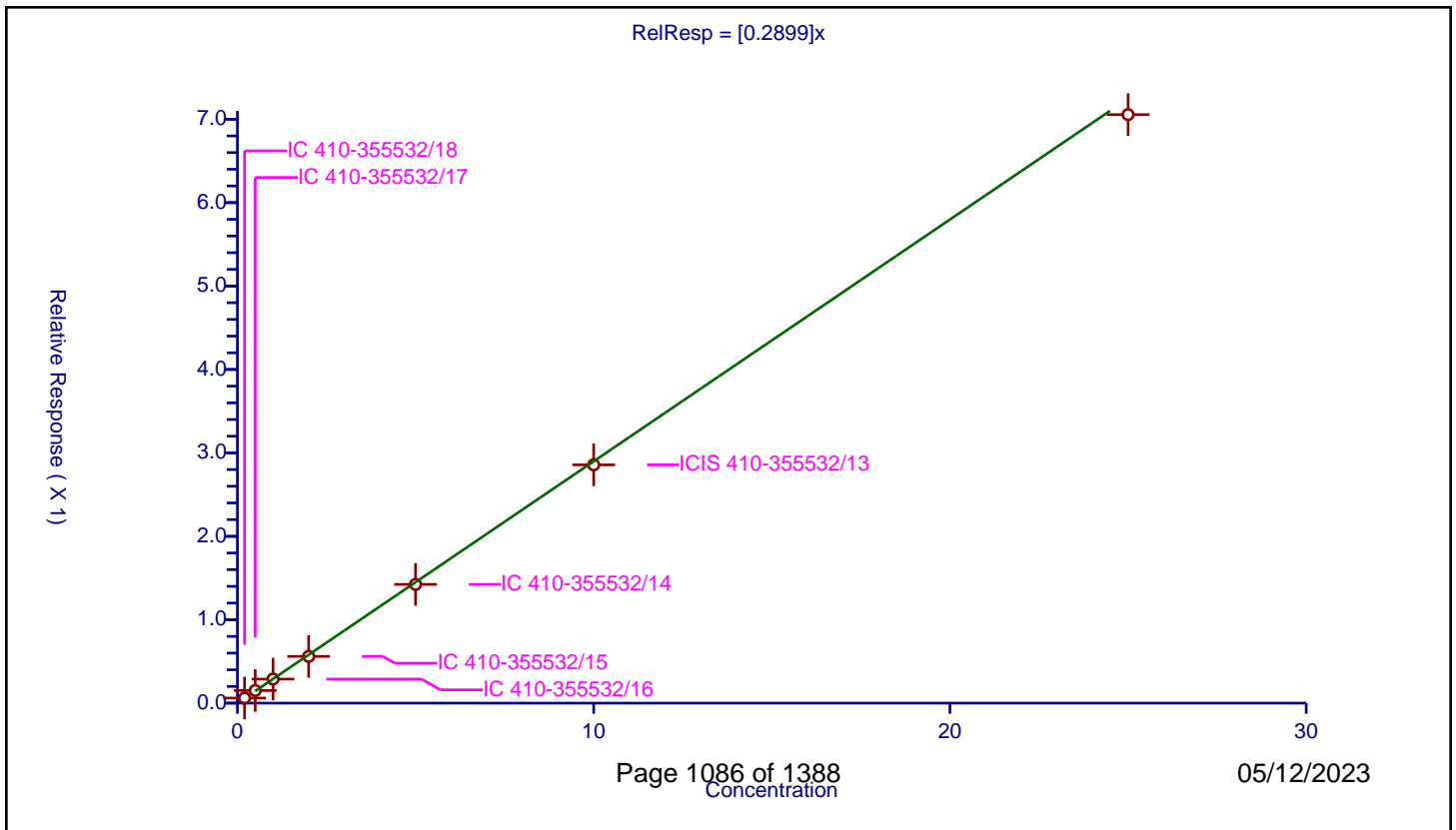
/ trans-1,2-Dichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.2899

Error Coefficients	
Standard Error:	763000
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 410-355532/18	0.2	0.060932	10.0	2286473.0	0.304661	Y
2	IC 410-355532/17	0.5	0.151652	10.0	2310552.0	0.303304	Y
3	IC 410-355532/16	1.0	0.288506	10.0	2343275.0	0.288506	Y
4	IC 410-355532/15	2.0	0.560214	10.0	2349279.0	0.280107	Y
5	IC 410-355532/14	5.0	1.423642	10.0	2387313.0	0.284728	Y
6	ICIS 410-355532/13	10.0	2.856462	10.0	2381761.0	0.285646	Y
7	IC 410-355532/12	25.0	7.055077	10.0	2408929.0	0.282203	Y



Calibration

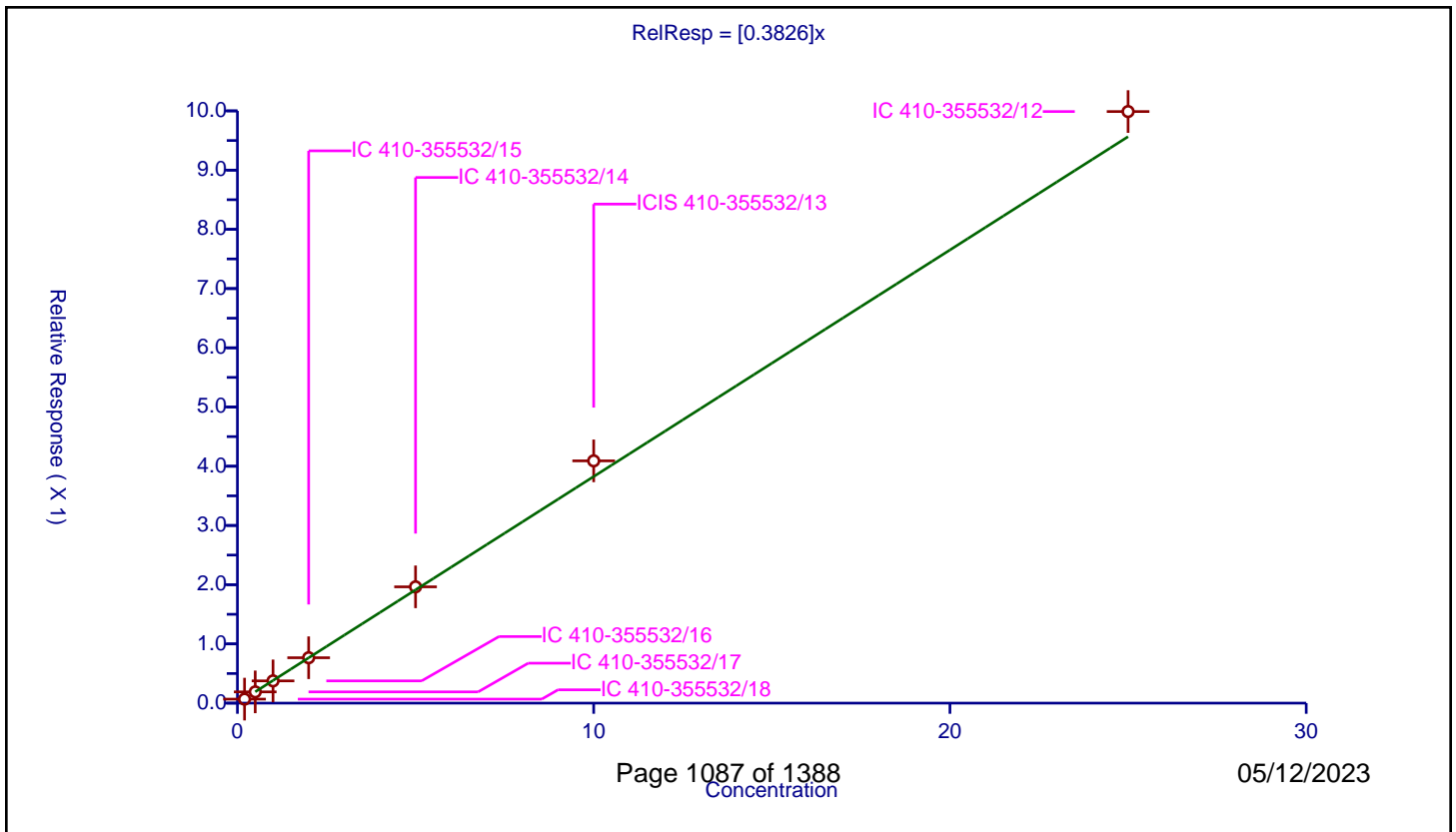
/ Hexane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3826

Error Coefficients	
Standard Error:	1080000
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 410-355532/18	0.2	0.067558	10.0	2286473.0	0.337791	Y
2	IC 410-355532/17	0.5	0.190028	10.0	2310552.0	0.380056	Y
3	IC 410-355532/16	1.0	0.375773	10.0	2343275.0	0.375773	Y
4	IC 410-355532/15	2.0	0.766342	10.0	2349279.0	0.383171	Y
5	IC 410-355532/14	5.0	1.963676	10.0	2387313.0	0.392735	Y
6	ICIS 410-355532/13	10.0	4.090599	10.0	2381761.0	0.40906	Y
7	IC 410-355532/12	25.0	9.988538	10.0	2408929.0	0.399542	Y



Calibration

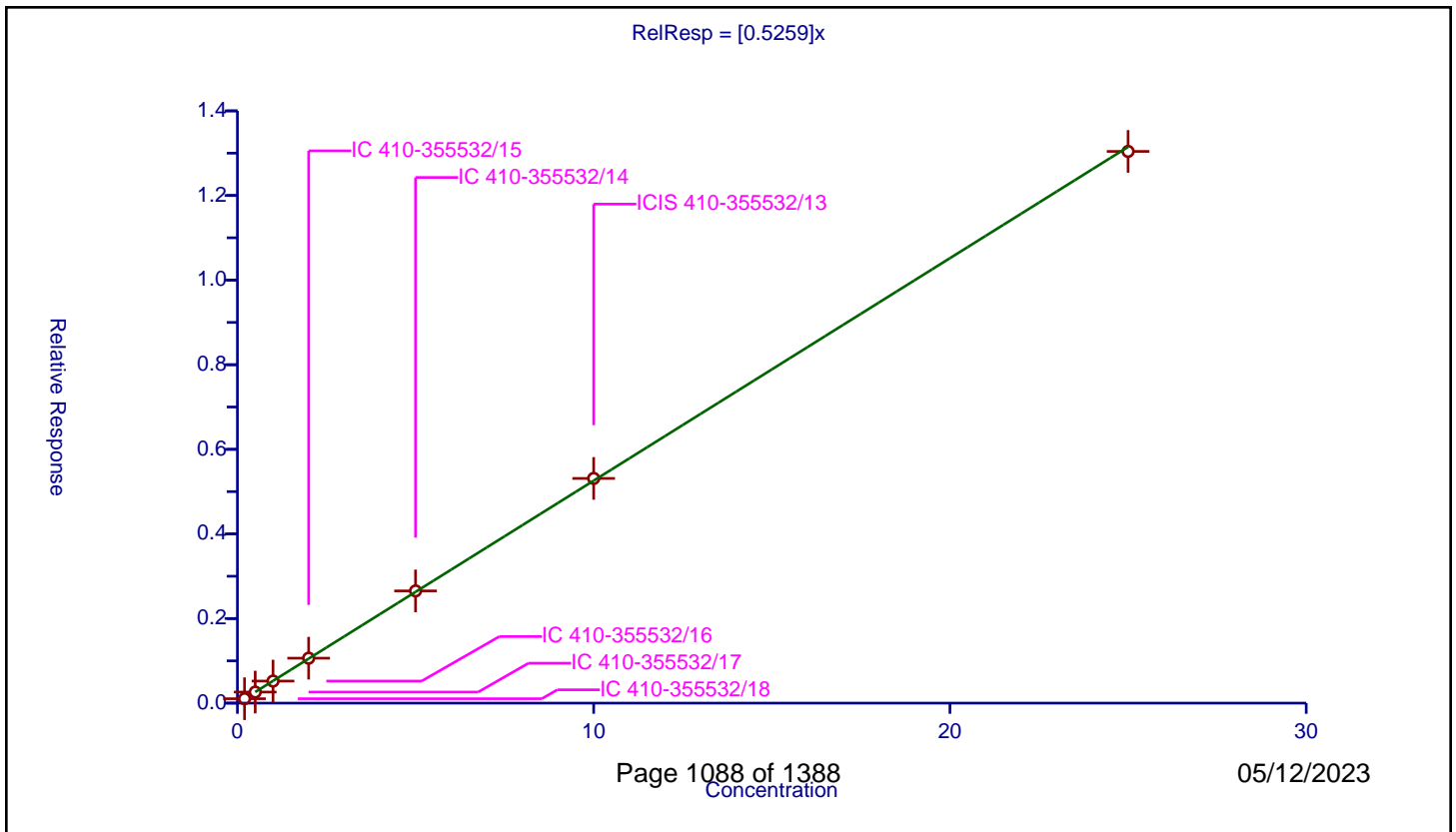
/ 1,1-Dichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.5259

Error Coefficients	
Standard Error:	1410000
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 410-355532/18	0.2	0.104322	10.0	2286473.0	0.521611	Y
2	IC 410-355532/17	0.5	0.261613	10.0	2310552.0	0.523226	Y
3	IC 410-355532/16	1.0	0.521804	10.0	2343275.0	0.521804	Y
4	IC 410-355532/15	2.0	1.062649	10.0	2349279.0	0.531325	Y
5	IC 410-355532/14	5.0	2.652576	10.0	2387313.0	0.530515	Y
6	ICIS 410-355532/13	10.0	5.311864	10.0	2381761.0	0.531186	Y
7	IC 410-355532/12	25.0	13.041879	10.0	2408929.0	0.521675	Y



Calibration

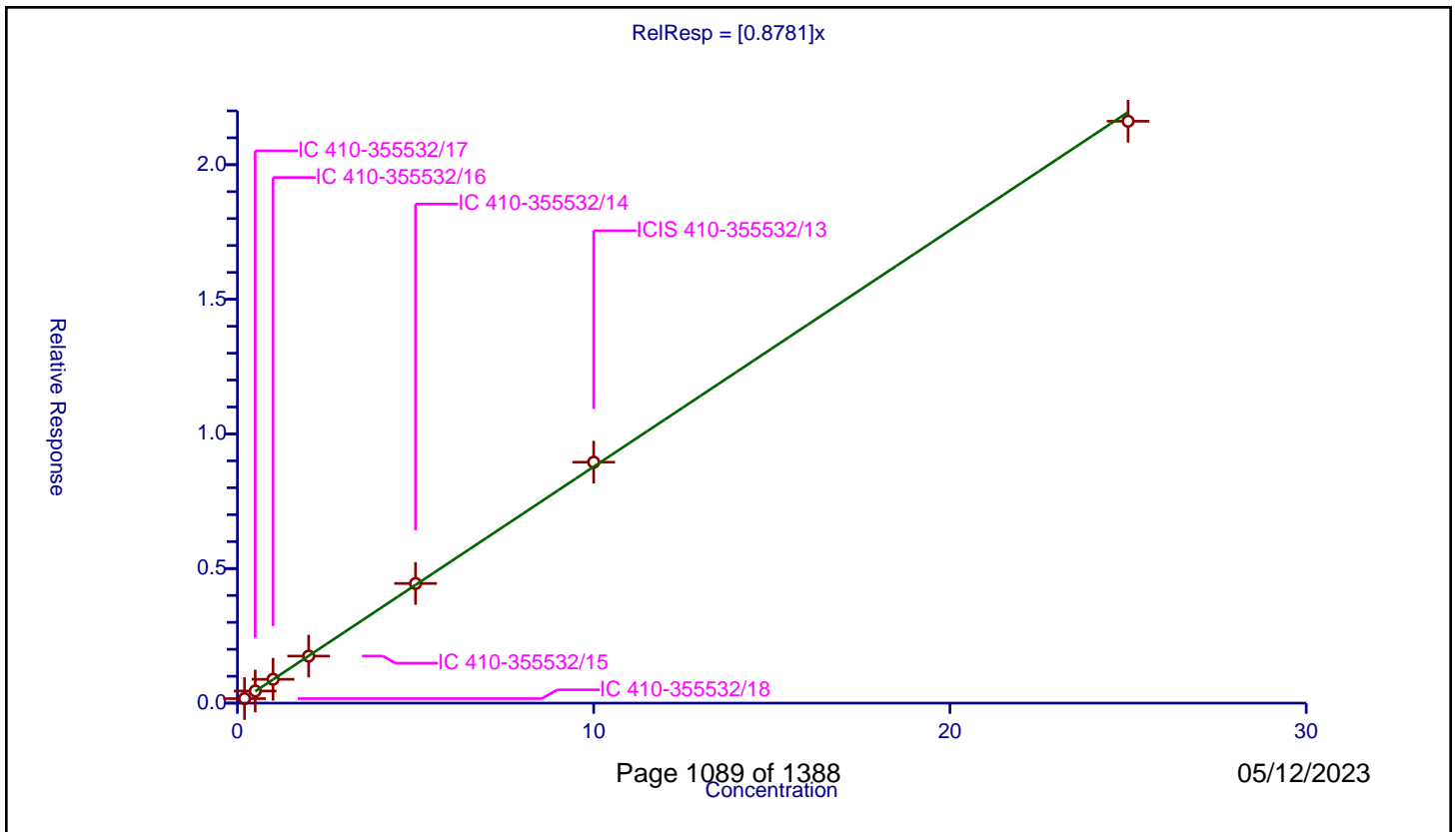
/ Isopropyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.8781

Error Coefficients	
Standard Error:	2350000
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 410-355532/18	0.2	0.167691	10.0	2286473.0	0.838453	Y
2	IC 410-355532/17	0.5	0.450693	10.0	2310552.0	0.901386	Y
3	IC 410-355532/16	1.0	0.884689	10.0	2343275.0	0.884689	Y
4	IC 410-355532/15	2.0	1.747502	10.0	2349279.0	0.873751	Y
5	IC 410-355532/14	5.0	4.444838	10.0	2387313.0	0.888968	Y
6	ICIS 410-355532/13	10.0	8.950571	10.0	2381761.0	0.895057	Y
7	IC 410-355532/12	25.0	21.615099	10.0	2408929.0	0.864604	Y



Calibration

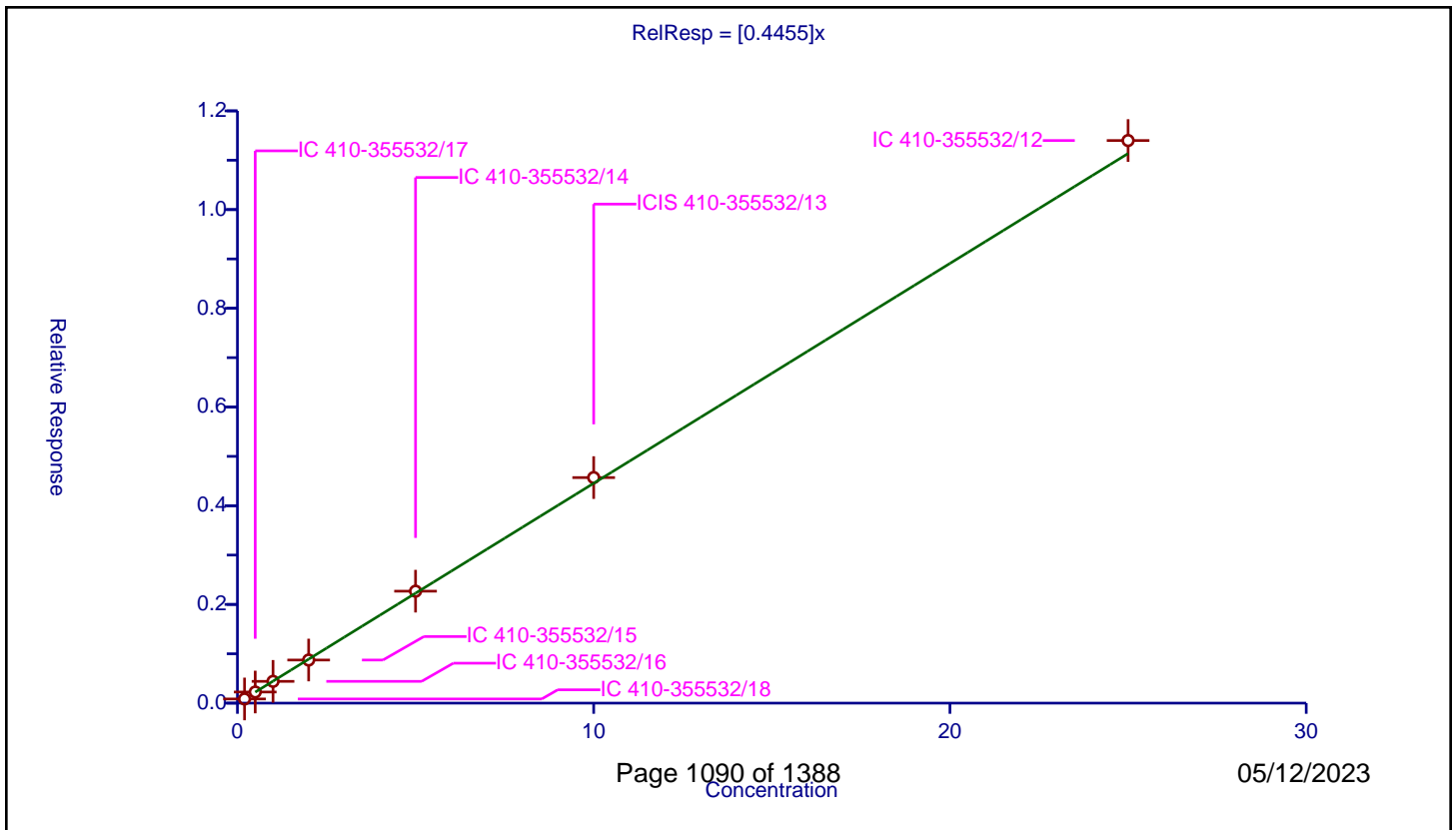
/ 2-Chloro-1,3-butadiene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4455

Error Coefficients	
Standard Error:	1230000
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 410-355532/18	0.2	0.084484	10.0	2286473.0	0.422419	Y
2	IC 410-355532/17	0.5	0.225535	10.0	2310552.0	0.45107	Y
3	IC 410-355532/16	1.0	0.441323	10.0	2343275.0	0.441323	Y
4	IC 410-355532/15	2.0	0.873681	10.0	2349279.0	0.43684	Y
5	IC 410-355532/14	5.0	2.268215	10.0	2387313.0	0.453643	Y
6	ICIS 410-355532/13	10.0	4.56982	10.0	2381761.0	0.456982	Y
7	IC 410-355532/12	25.0	11.399244	10.0	2408929.0	0.45597	Y



Calibration

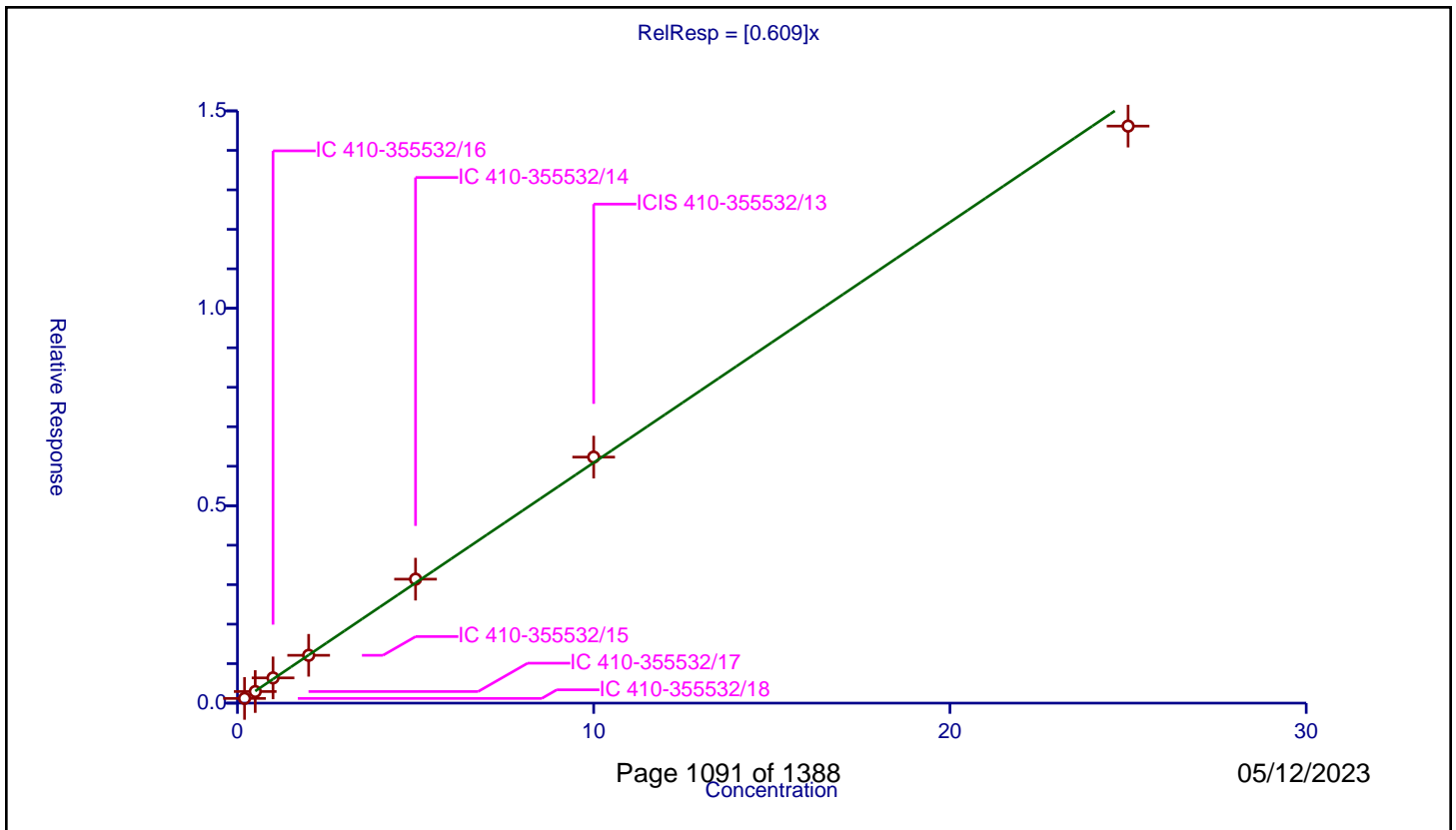
/ Tert-butyl ethyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.609

Error Coefficients	
Standard Error:	1600000
Relative Standard Error:	3.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.119201	10.0	2286473.0	0.596005	Y
2	IC 410-355532/17	0.5	0.293588	10.0	2310552.0	0.587176	Y
3	IC 410-355532/16	1.0	0.63882	10.0	2343275.0	0.63882	Y
4	IC 410-355532/15	2.0	1.211427	10.0	2349279.0	0.605713	Y
5	IC 410-355532/14	5.0	3.13958	10.0	2387313.0	0.627916	Y
6	ICIS 410-355532/13	10.0	6.231238	10.0	2381761.0	0.623124	Y
7	IC 410-355532/12	25.0	14.614798	10.0	2408929.0	0.584592	Y



Calibration

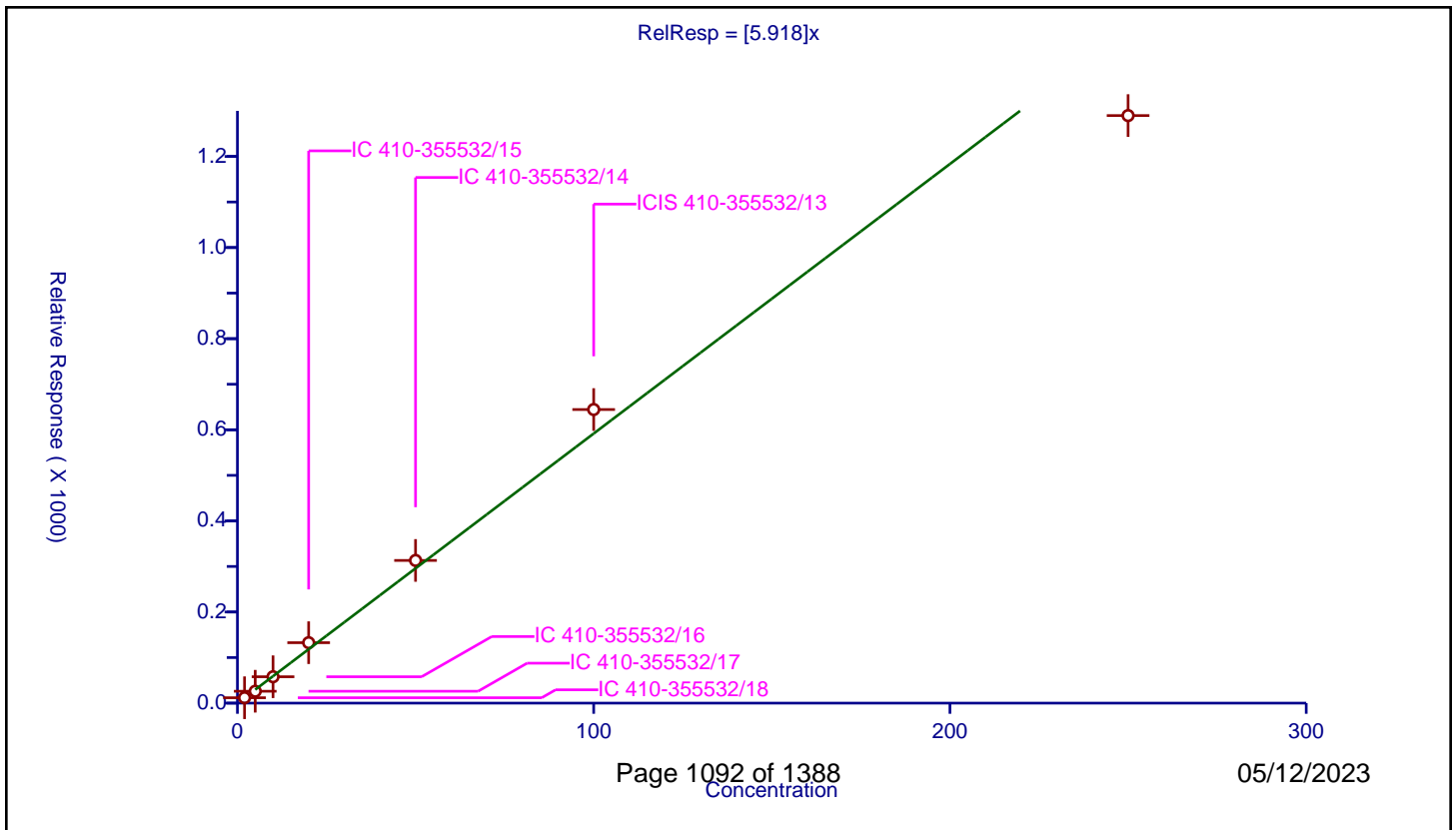
/ 2-Butanone (MEK)

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

Curve Coefficients	
Intercept:	0
Slope:	5.918

Error Coefficients	
Standard Error:	1650000
Relative Standard Error:	9.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	2.0	11.811855	50.0	126445.0	5.905927	Y
2	IC 410-355532/17	5.0	26.122534	50.0	153492.0	5.224507	Y
3	IC 410-355532/16	10.0	57.91408	50.0	134008.0	5.791408	Y
4	IC 410-355532/15	20.0	132.673125	50.0	97646.0	6.633656	Y
5	IC 410-355532/14	50.0	313.199064	50.0	125221.0	6.263981	Y
6	ICIS 410-355532/13	100.0	644.450461	50.0	120956.0	6.444505	Y
7	IC 410-355532/12	250.0	1289.687303	50.0	141127.0	5.158749	Y



Calibration

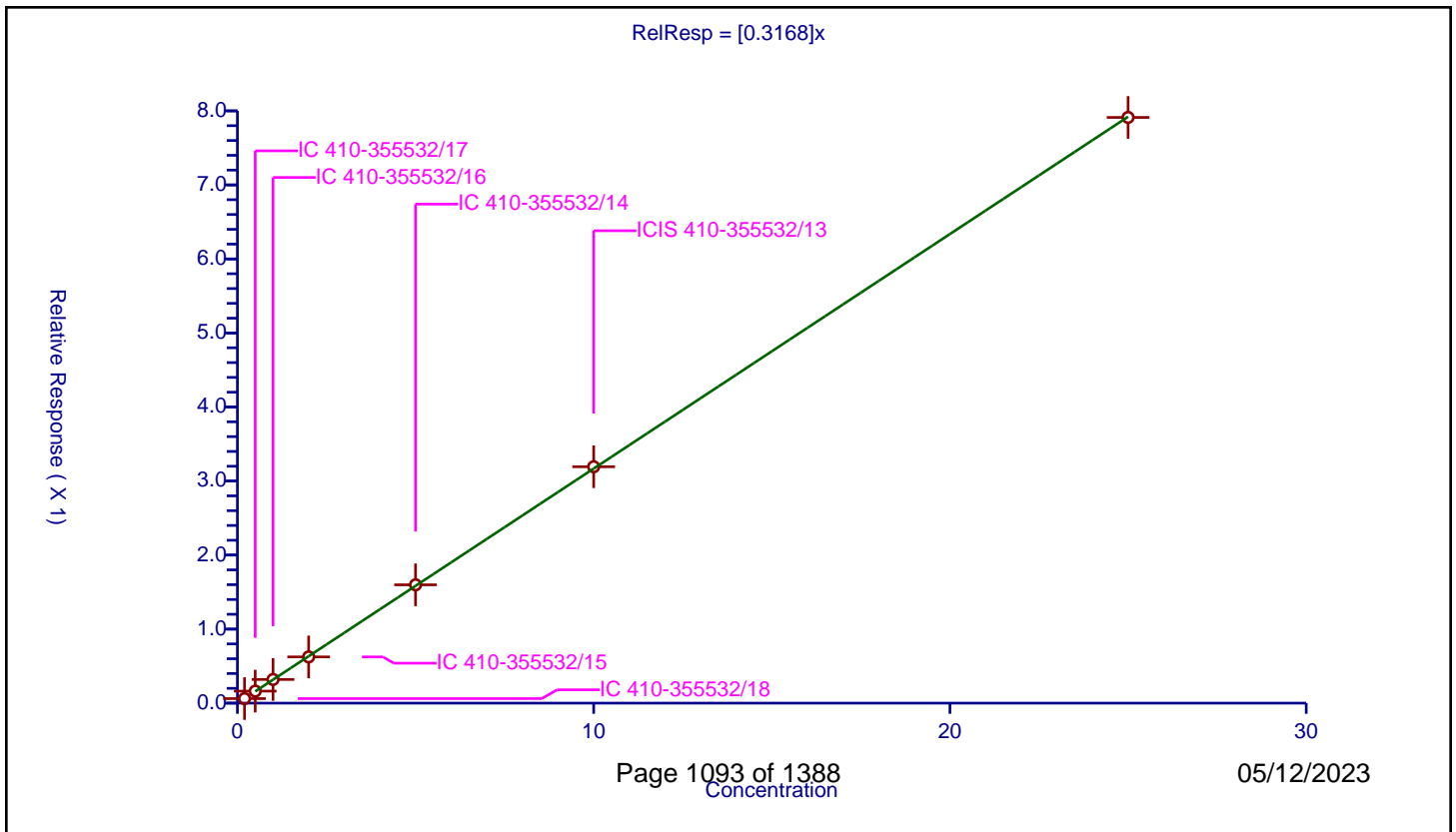
/ cis-1,2-Dichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.3168

Error Coefficients	
Standard Error:	855000
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 410-355532/18	0.2	0.061177	10.0	2286473.0	0.305886	Y
2	IC 410-355532/17	0.5	0.162264	10.0	2310552.0	0.324529	Y
3	IC 410-355532/16	1.0	0.319702	10.0	2343275.0	0.319702	Y
4	IC 410-355532/15	2.0	0.624417	10.0	2349279.0	0.312209	Y
5	IC 410-355532/14	5.0	1.598433	10.0	2387313.0	0.319687	Y
6	ICIS 410-355532/13	10.0	3.192948	10.0	2381761.0	0.319295	Y
7	IC 410-355532/12	25.0	7.911578	10.0	2408929.0	0.316463	Y



Calibration

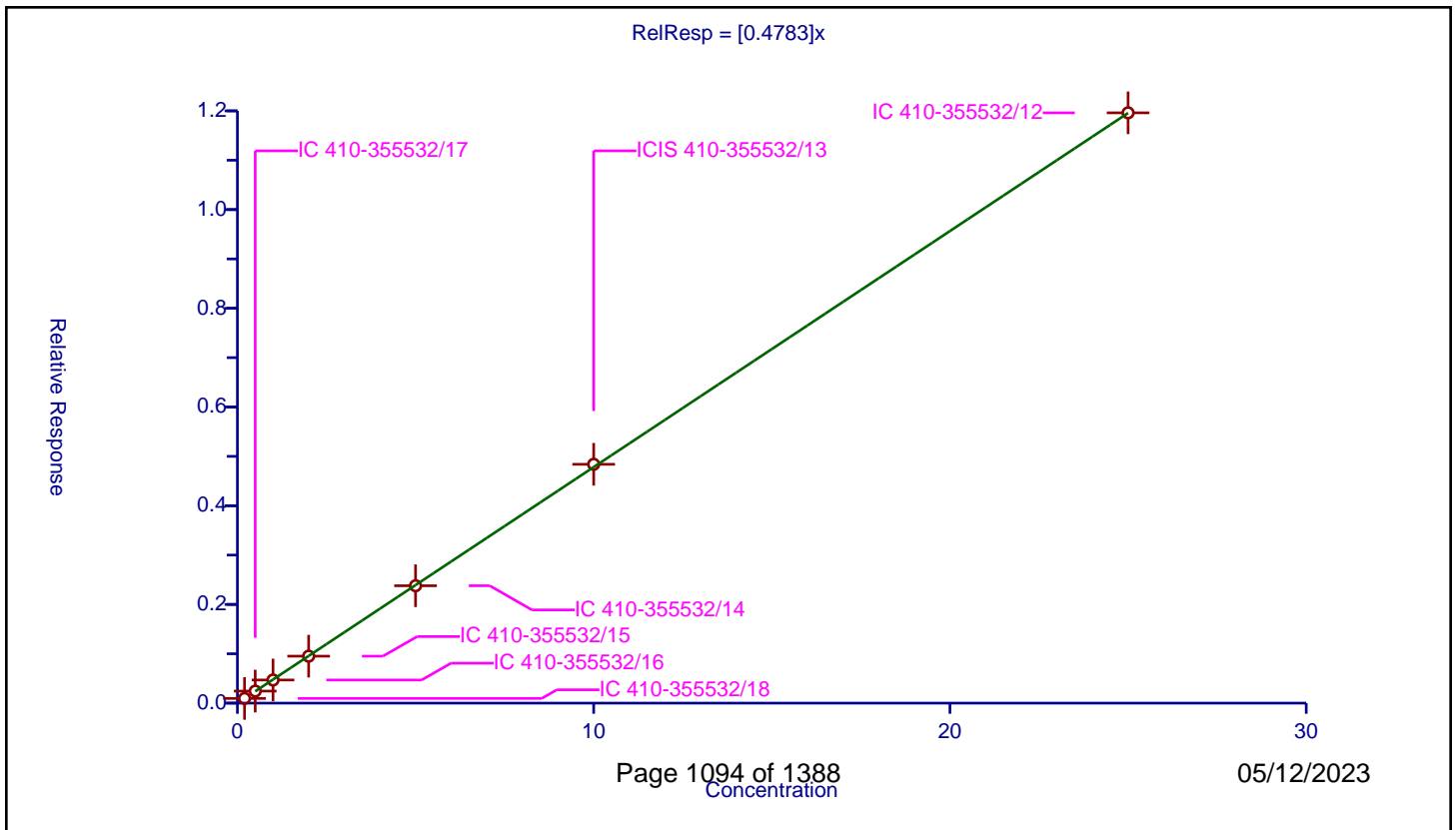
/ 2,2-Dichloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4783

Error Coefficients	
Standard Error:	1290000
Relative Standard Error:	1.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.095405	10.0	2286473.0	0.477023	Y
2	IC 410-355532/17	0.5	0.244214	10.0	2310552.0	0.488429	Y
3	IC 410-355532/16	1.0	0.46843	10.0	2343275.0	0.46843	Y
4	IC 410-355532/15	2.0	0.951913	10.0	2349279.0	0.475957	Y
5	IC 410-355532/14	5.0	2.37826	10.0	2387313.0	0.475652	Y
6	ICIS 410-355532/13	10.0	4.839486	10.0	2381761.0	0.483949	Y
7	IC 410-355532/12	25.0	11.960751	10.0	2408929.0	0.47843	Y



Calibration

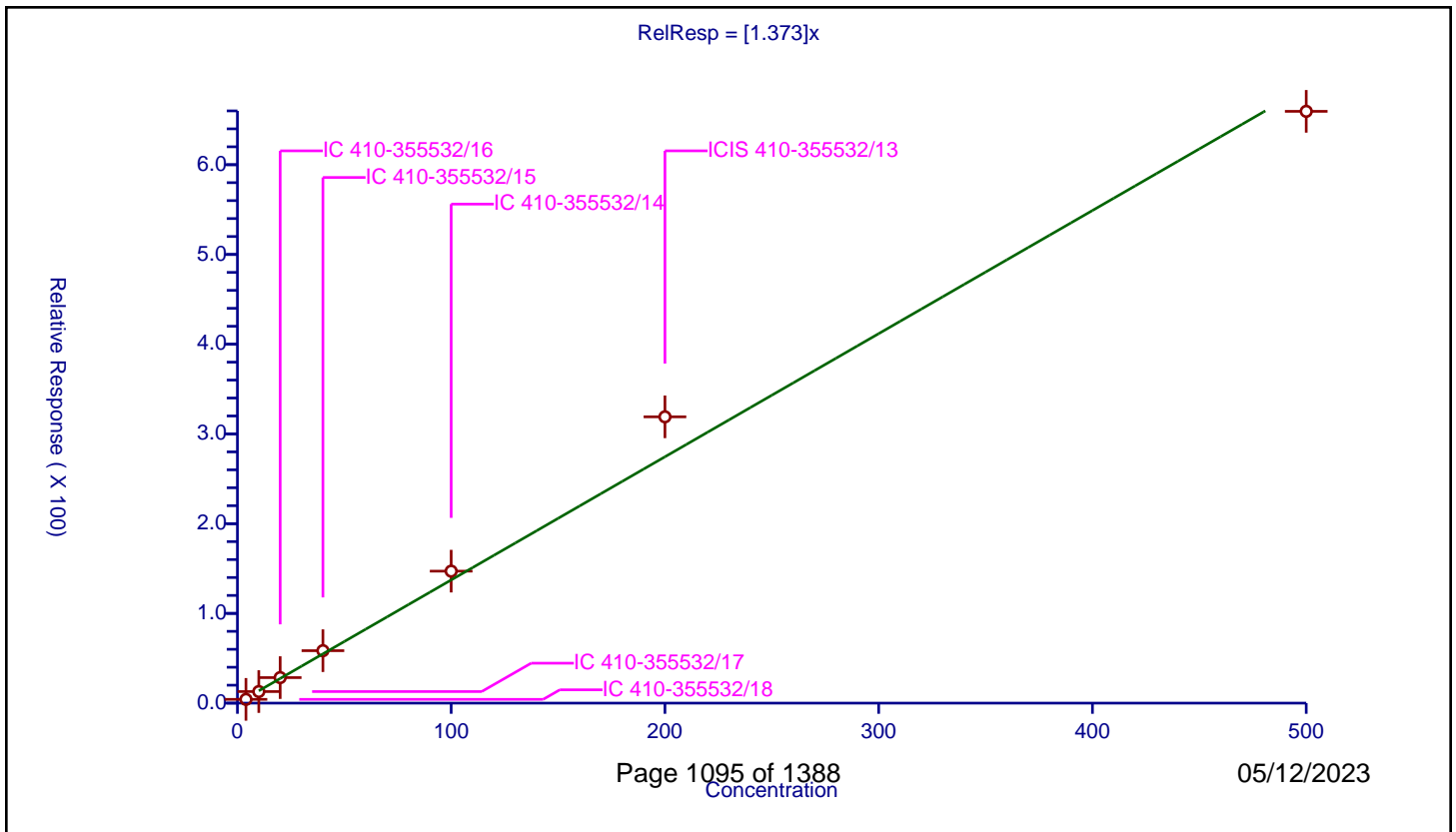
/ Propionitrile

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

Curve Coefficients	
Intercept:	0
Slope:	1.373

Error Coefficients	
Standard Error:	838000
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 410-355532/18	4.0	4.193918	50.0	126445.0	1.04848	Y
2	IC 410-355532/17	10.0	12.905559	50.0	153492.0	1.290556	Y
3	IC 410-355532/16	20.0	28.444197	50.0	134008.0	1.42221	Y
4	IC 410-355532/15	40.0	58.451447	50.0	97646.0	1.461286	Y
5	IC 410-355532/14	100.0	147.071977	50.0	125221.0	1.47072	Y
6	ICIS 410-355532/13	200.0	319.069331	50.0	120956.0	1.595347	Y
7	IC 410-355532/12	500.0	659.498891	50.0	141127.0	1.318998	Y



Calibration

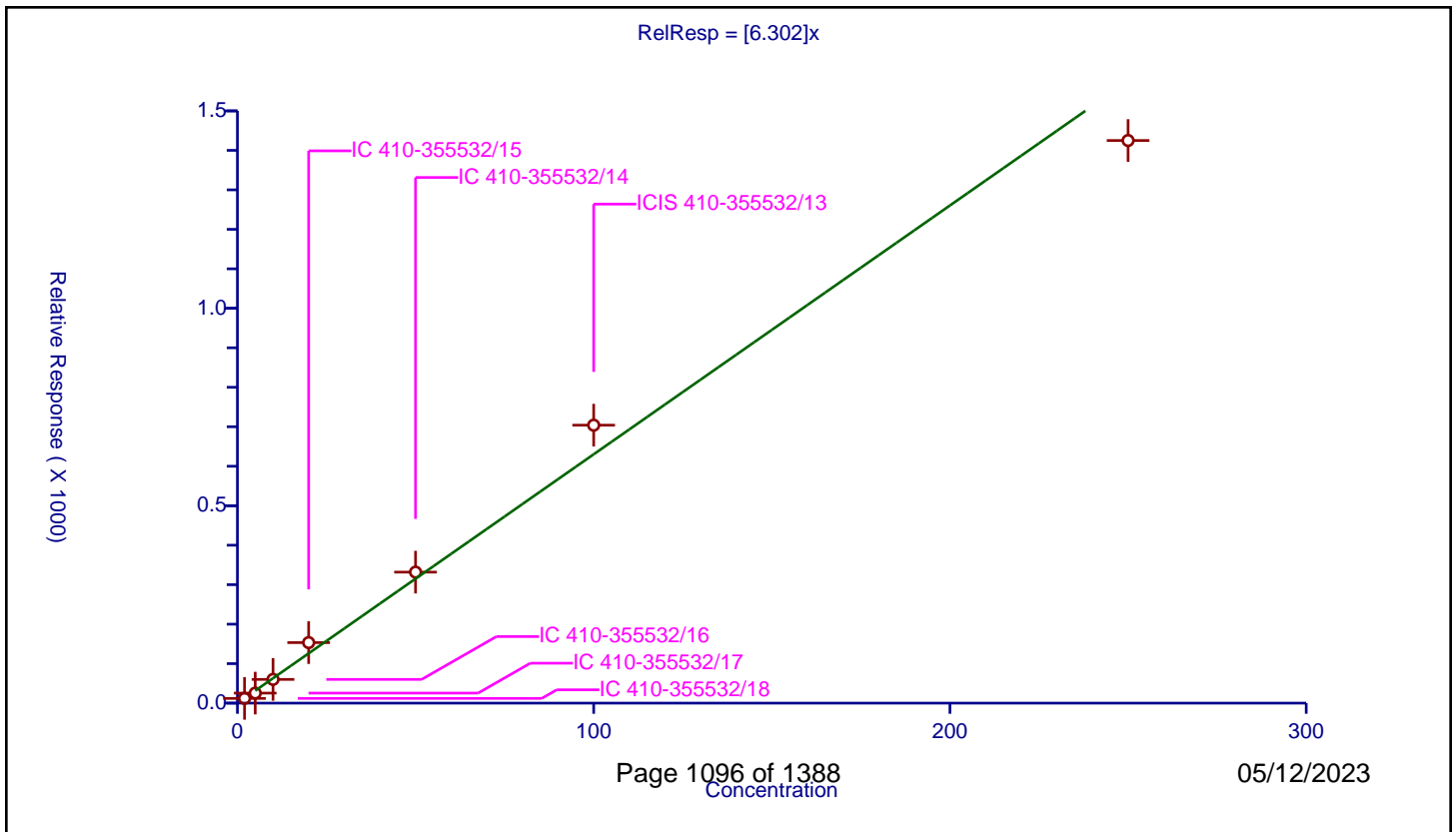
/ Methacrylonitrile

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

Curve Coefficients	
Intercept:	0
Slope:	6.302

Error Coefficients	
Standard Error:	1820000
Relative Standard Error:	13.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	2.0	11.979121	50.0	126445.0	5.989561	Y
2	IC 410-355532/17	5.0	25.391551	50.0	153492.0	5.07831	Y
3	IC 410-355532/16	10.0	60.08298	50.0	134008.0	6.008298	Y
4	IC 410-355532/15	20.0	153.266903	50.0	97646.0	7.663345	Y
5	IC 410-355532/14	50.0	331.796983	50.0	125221.0	6.63594	Y
6	ICIS 410-355532/13	100.0	703.995668	50.0	120956.0	7.039957	Y
7	IC 410-355532/12	250.0	1424.969	50.0	141127.0	5.699876	Y



Calibration

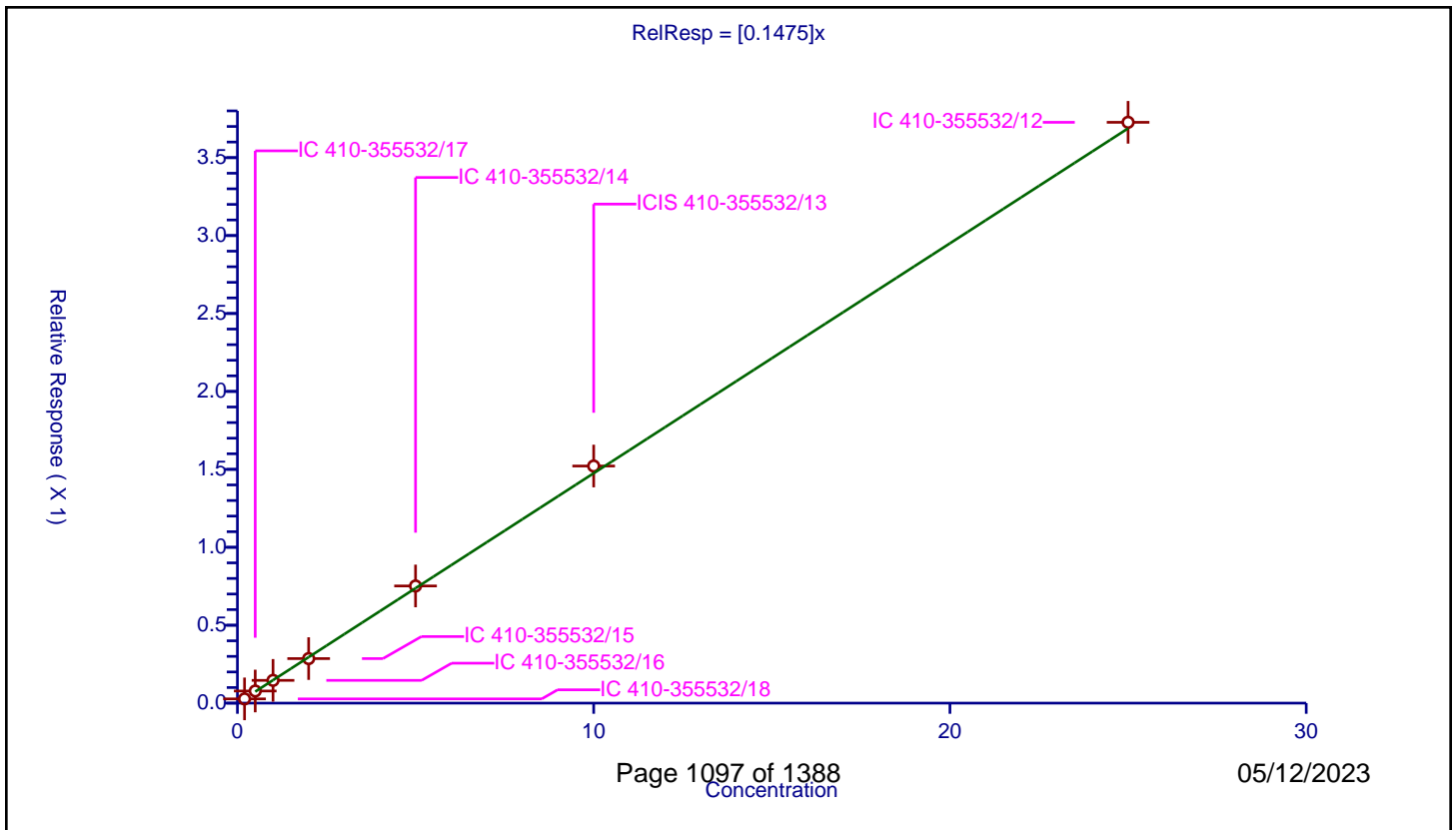
/ Chlorobromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.1475

Error Coefficients	
Standard Error:	403000
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 410-355532/18	0.2	0.027317	10.0	2286473.0	0.136586	Y
2	IC 410-355532/17	0.5	0.077782	10.0	2310552.0	0.155565	Y
3	IC 410-355532/16	1.0	0.145954	10.0	2343275.0	0.145954	Y
4	IC 410-355532/15	2.0	0.285764	10.0	2349279.0	0.142882	Y
5	IC 410-355532/14	5.0	0.751824	10.0	2387313.0	0.150365	Y
6	ICIS 410-355532/13	10.0	1.521274	10.0	2381761.0	0.152127	Y
7	IC 410-355532/12	25.0	3.726619	10.0	2408929.0	0.149065	Y



Calibration

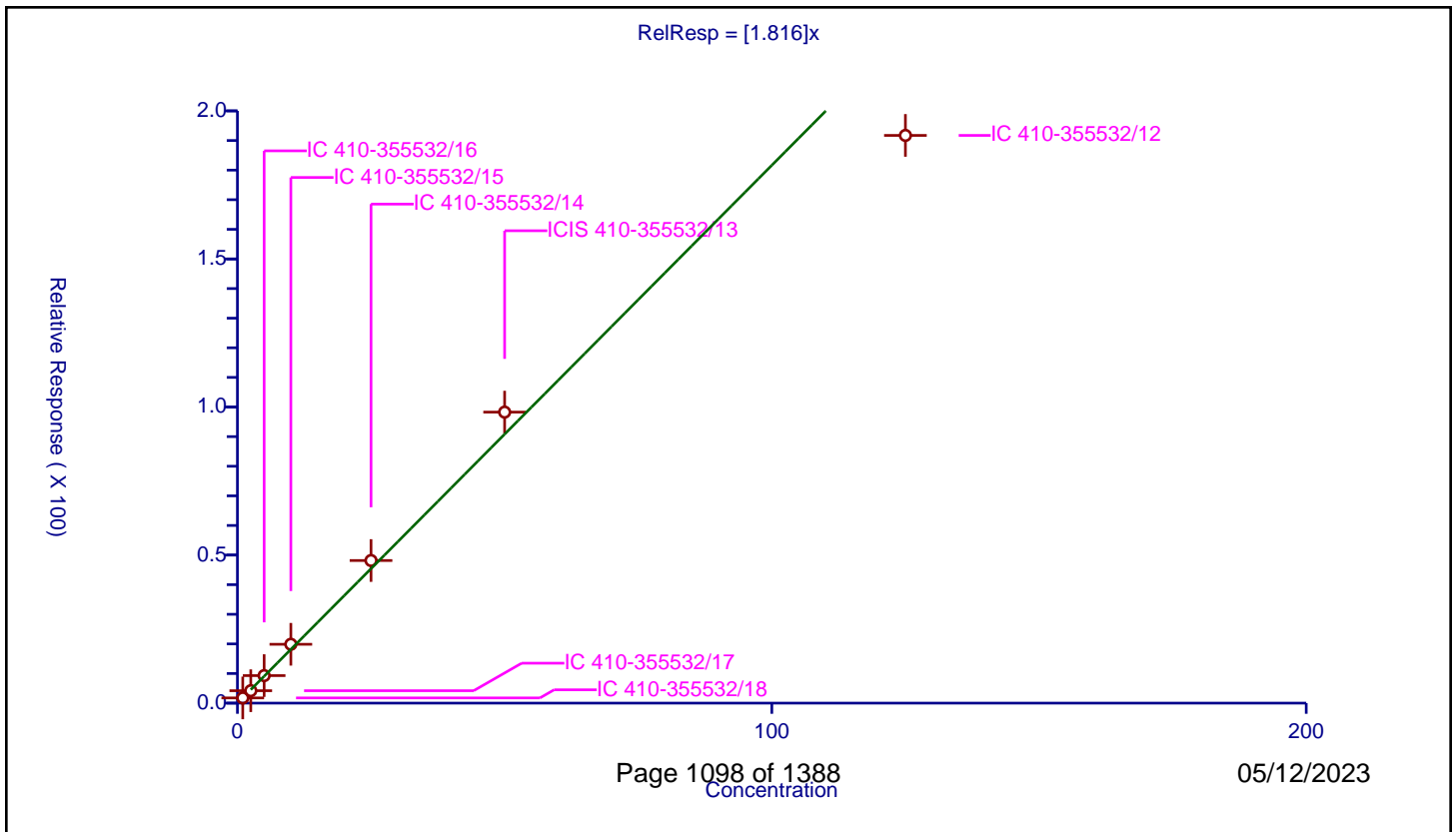
/ Tetrahydrofuran

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

Curve Coefficients	
Intercept:	0
Slope:	1.816

Error Coefficients	
Standard Error:	247000
Relative Standard Error:	9.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	1.0	1.762426	50.0	126445.0	1.762426	Y
2	IC 410-355532/17	2.5	4.198916	50.0	153492.0	1.679566	Y
3	IC 410-355532/16	5.0	9.29646	50.0	134008.0	1.859292	Y
4	IC 410-355532/15	10.0	19.874342	50.0	97646.0	1.987434	Y
5	IC 410-355532/14	25.0	48.163647	50.0	125221.0	1.926546	Y
6	ICIS 410-355532/13	50.0	98.273339	50.0	120956.0	1.965467	Y
7	IC 410-355532/12	125.0	191.712075	50.0	141127.0	1.533697	Y



Calibration

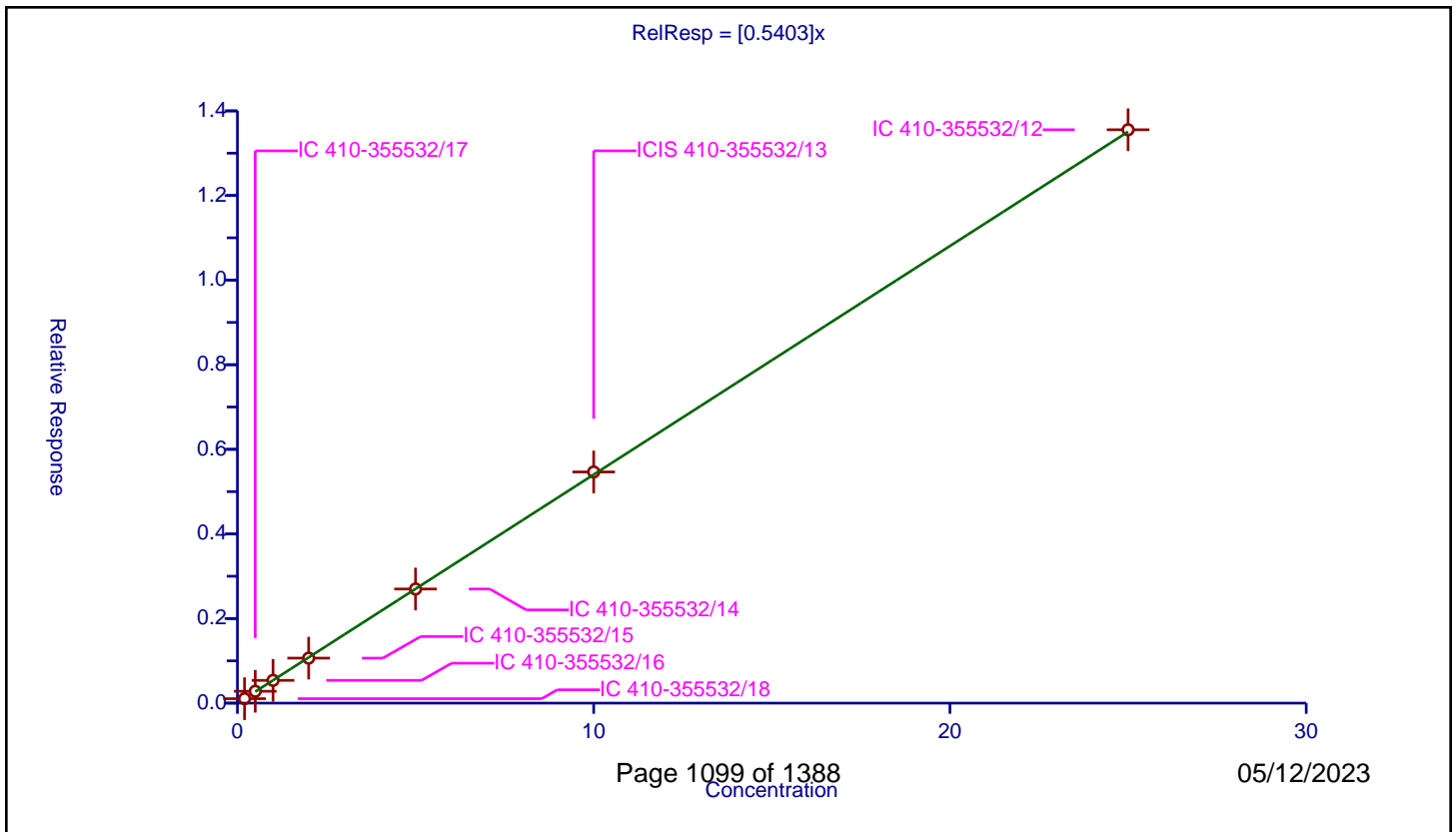
/ Chloroform

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

Curve Coefficients	
Intercept:	0
Slope:	0.5403

Error Coefficients	
Standard Error:	1460000
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 410-355532/18	0.2	0.104668	10.0	2286473.0	0.523339	Y
2	IC 410-355532/17	0.5	0.280452	10.0	2310552.0	0.560905	Y
3	IC 410-355532/16	1.0	0.53791	10.0	2343275.0	0.53791	Y
4	IC 410-355532/15	2.0	1.063803	10.0	2349279.0	0.531901	Y
5	IC 410-355532/14	5.0	2.697497	10.0	2387313.0	0.539499	Y
6	ICIS 410-355532/13	10.0	5.464327	10.0	2381761.0	0.546433	Y
7	IC 410-355532/12	25.0	13.554218	10.0	2408929.0	0.542169	Y



Calibration

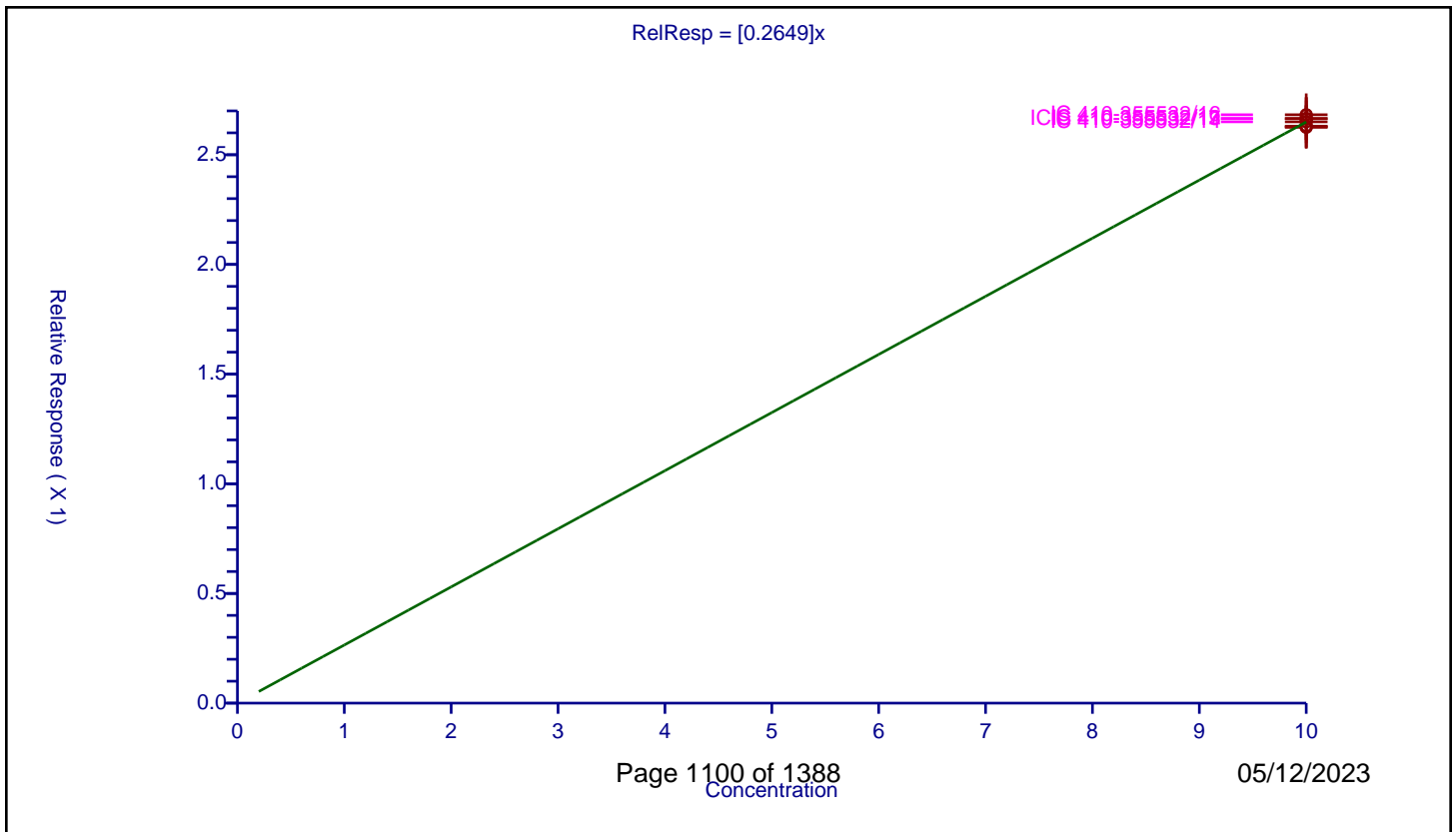
/ Dibromofluoromethane (Surr)

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

Curve Coefficients	
Intercept:	0
Slope:	0.2649

Error Coefficients	
Standard Error:	673000
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 410-355532/12	10.0	2.630468	10.0	2408929.0	0.263047	Y
2	ICIS 410-355532/13	10.0	2.664768	10.0	2381761.0	0.266477	Y
3	IC 410-355532/14	10.0	2.650201	10.0	2387313.0	0.26502	Y
4	IC 410-355532/15	10.0	2.627793	10.0	2349279.0	0.262779	Y
5	IC 410-355532/16	10.0	2.682417	10.0	2343275.0	0.268242	Y
6	IC 410-355532/17	10.0	2.664995	10.0	2310552.0	0.2665	Y
7	IC 410-355532/18	10.0	2.625227	10.0	2286473.0	0.262523	Y



Calibration

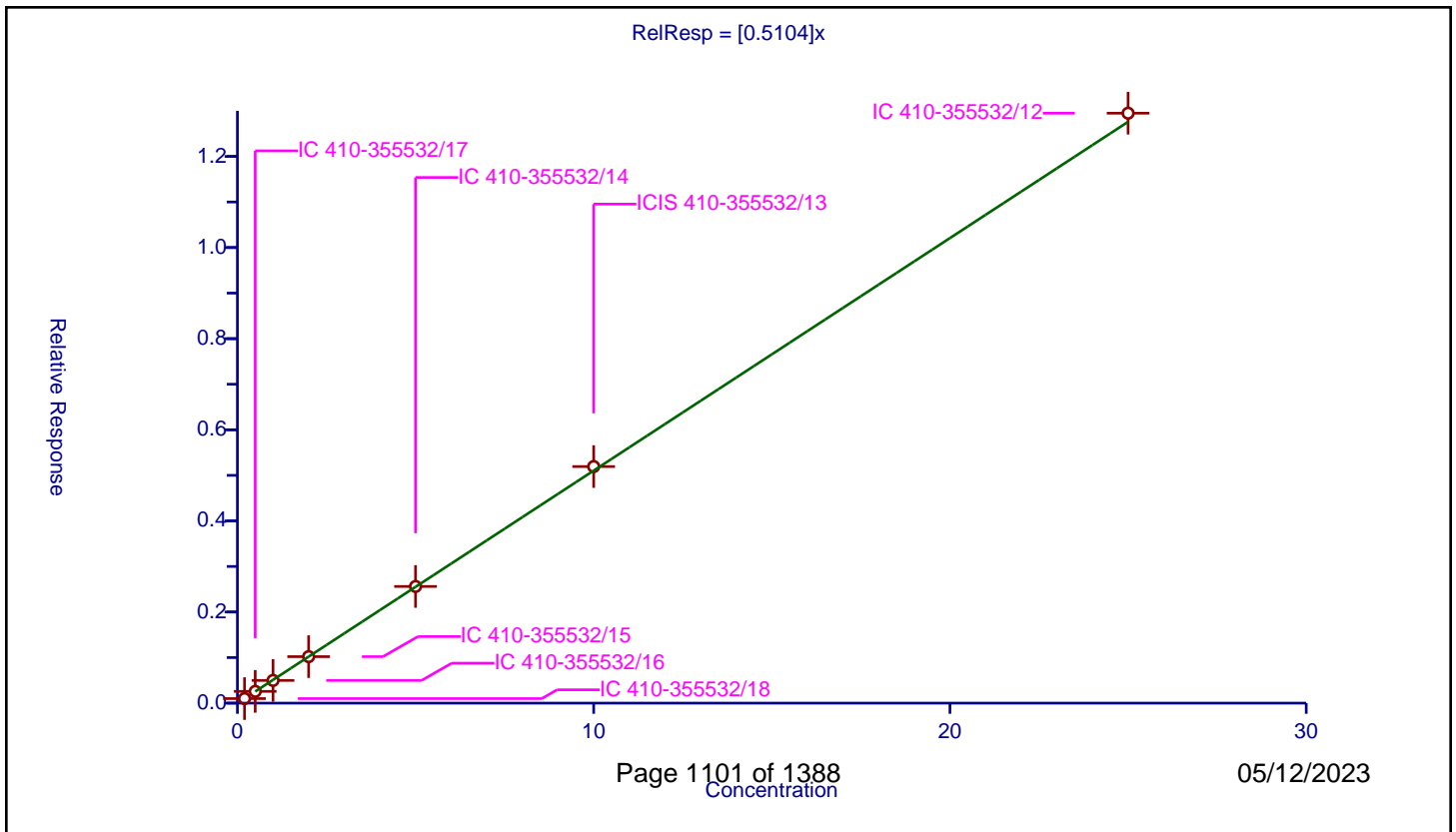
/ 1,1,1-Trichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.5104

Error Coefficients	
Standard Error:	1400000
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 410-355532/18	0.2	0.099503	10.0	2286473.0	0.497513	Y
2	IC 410-355532/17	0.5	0.258397	10.0	2310552.0	0.516794	Y
3	IC 410-355532/16	1.0	0.498648	10.0	2343275.0	0.498648	Y
4	IC 410-355532/15	2.0	1.020564	10.0	2349279.0	0.510282	Y
5	IC 410-355532/14	5.0	2.560988	10.0	2387313.0	0.512198	Y
6	ICIS 410-355532/13	10.0	5.192771	10.0	2381761.0	0.519277	Y
7	IC 410-355532/12	25.0	12.948962	10.0	2408929.0	0.517958	Y



Calibration

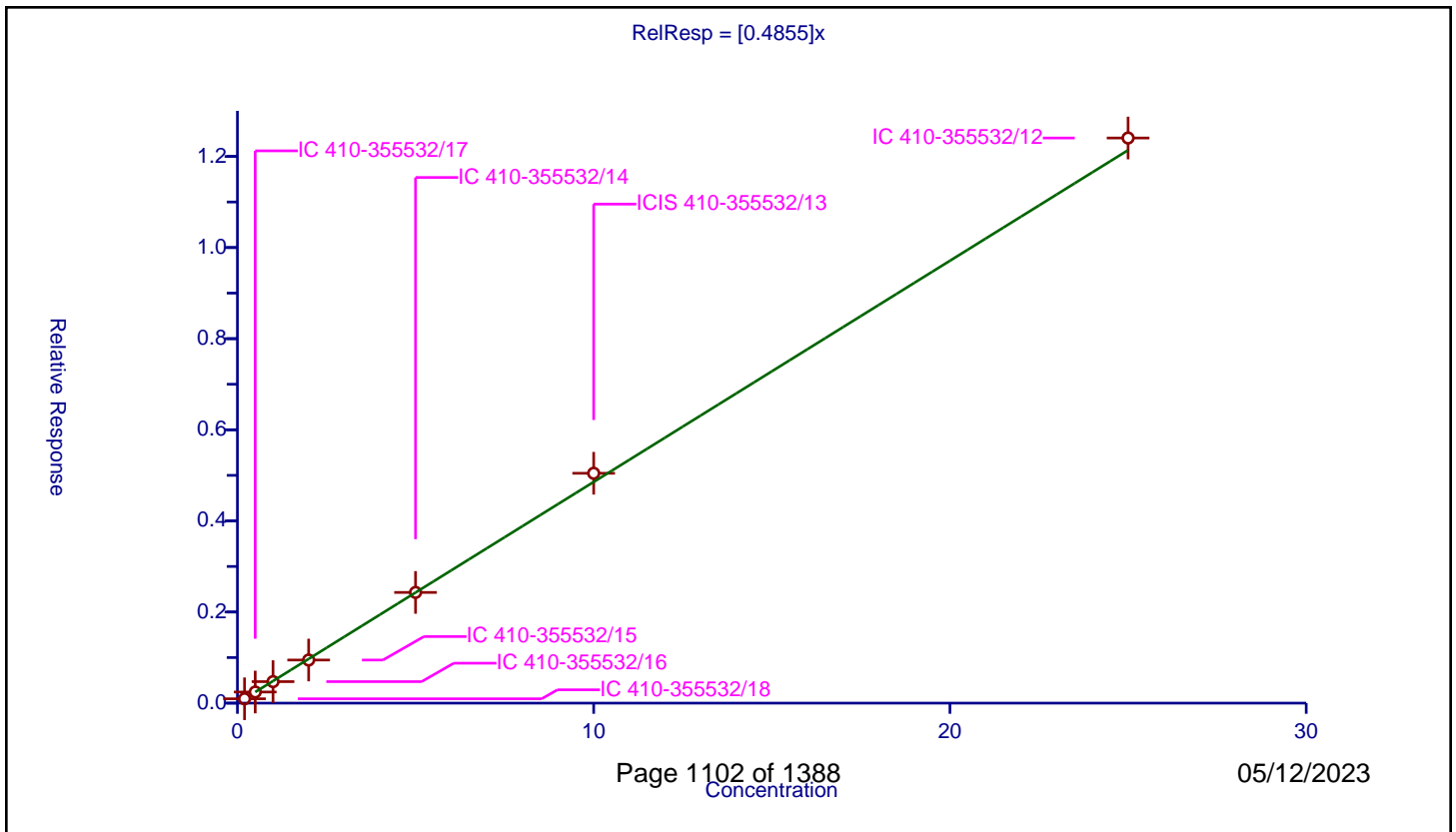
/ Cyclohexane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4855

Error Coefficients	
Standard Error:	1340000
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 410-355532/18	0.2	0.095619	10.0	2286473.0	0.478094	Y
2	IC 410-355532/17	0.5	0.244154	10.0	2310552.0	0.488308	Y
3	IC 410-355532/16	1.0	0.472309	10.0	2343275.0	0.472309	Y
4	IC 410-355532/15	2.0	0.946269	10.0	2349279.0	0.473135	Y
5	IC 410-355532/14	5.0	2.430234	10.0	2387313.0	0.486047	Y
6	ICIS 410-355532/13	10.0	5.045372	10.0	2381761.0	0.504537	Y
7	IC 410-355532/12	25.0	12.405007	10.0	2408929.0	0.4962	Y



Calibration

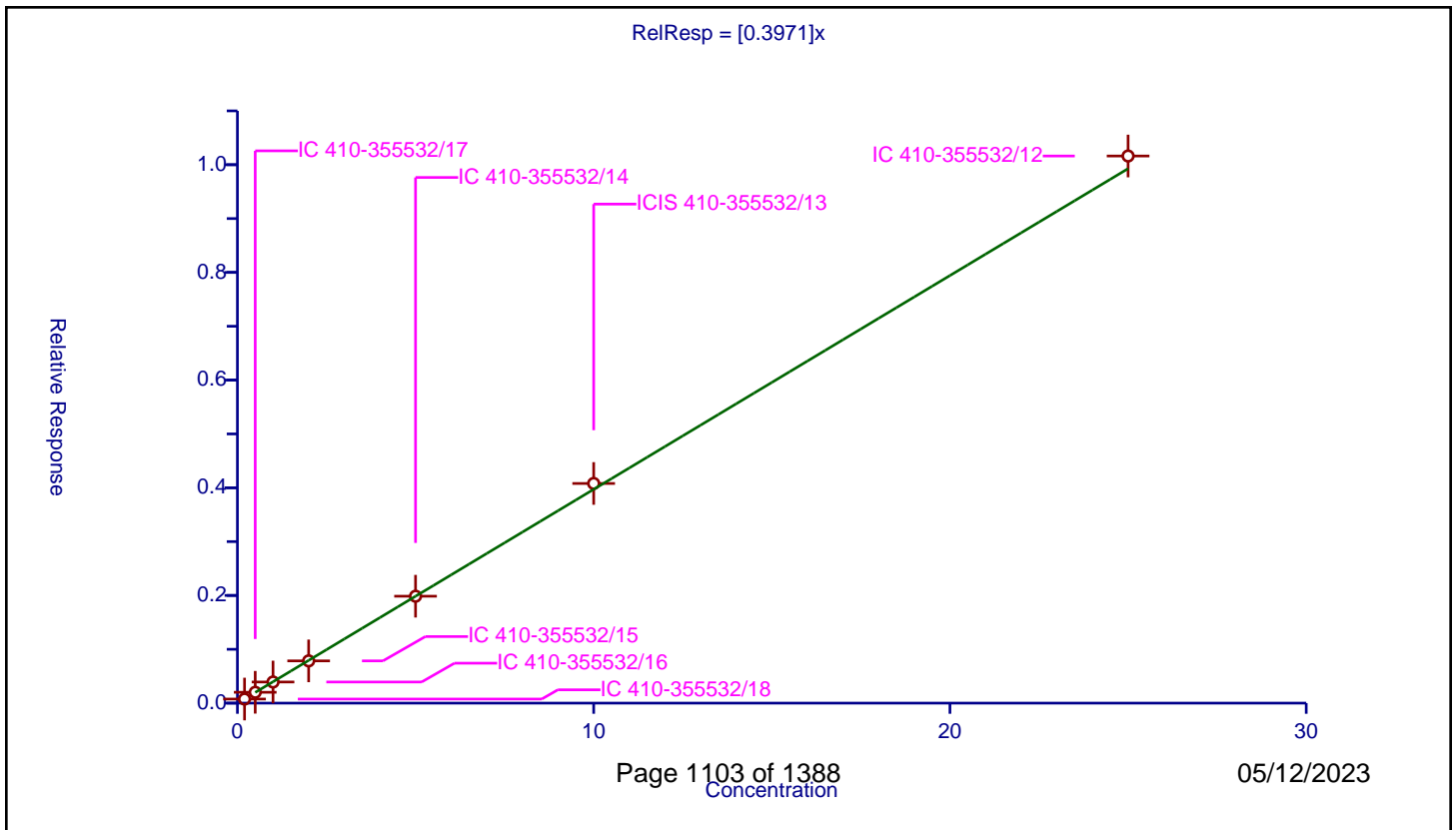
/ 1,1-Dichloropropene

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

Curve Coefficients	
Intercept:	0
Slope:	0.3971

Error Coefficients	
Standard Error:	1100000
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 410-355532/18	0.2	0.075964	10.0	2286473.0	0.379821	Y
2	IC 410-355532/17	0.5	0.201662	10.0	2310552.0	0.403324	Y
3	IC 410-355532/16	1.0	0.39231	10.0	2343275.0	0.39231	Y
4	IC 410-355532/15	2.0	0.785011	10.0	2349279.0	0.392506	Y
5	IC 410-355532/14	5.0	1.986019	10.0	2387313.0	0.397204	Y
6	ICIS 410-355532/13	10.0	4.079973	10.0	2381761.0	0.407997	Y
7	IC 410-355532/12	25.0	10.162192	10.0	2408929.0	0.406488	Y



Calibration

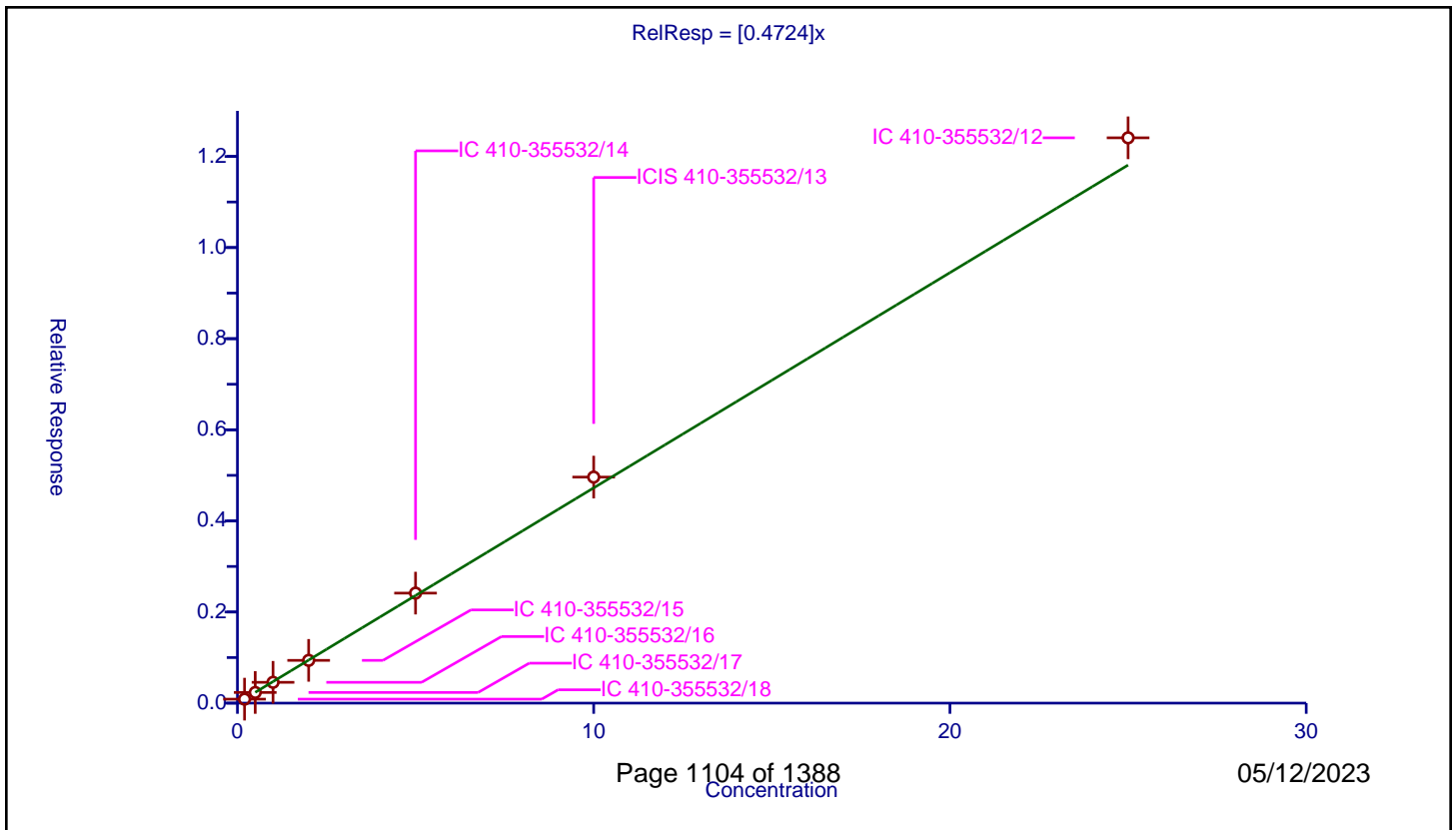
/ Carbon tetrachloride

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

Curve Coefficients	
Intercept:	0
Slope:	0.4724

Error Coefficients	
Standard Error:	1340000
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 410-355532/18	0.2	0.08734	10.0	2286473.0	0.436699	Y
2	IC 410-355532/17	0.5	0.23436	10.0	2310552.0	0.468719	Y
3	IC 410-355532/16	1.0	0.456903	10.0	2343275.0	0.456903	Y
4	IC 410-355532/15	2.0	0.938726	10.0	2349279.0	0.469363	Y
5	IC 410-355532/14	5.0	2.414685	10.0	2387313.0	0.482937	Y
6	ICIS 410-355532/13	10.0	4.9614	10.0	2381761.0	0.49614	Y
7	IC 410-355532/12	25.0	12.408988	10.0	2408929.0	0.49636	Y



Calibration

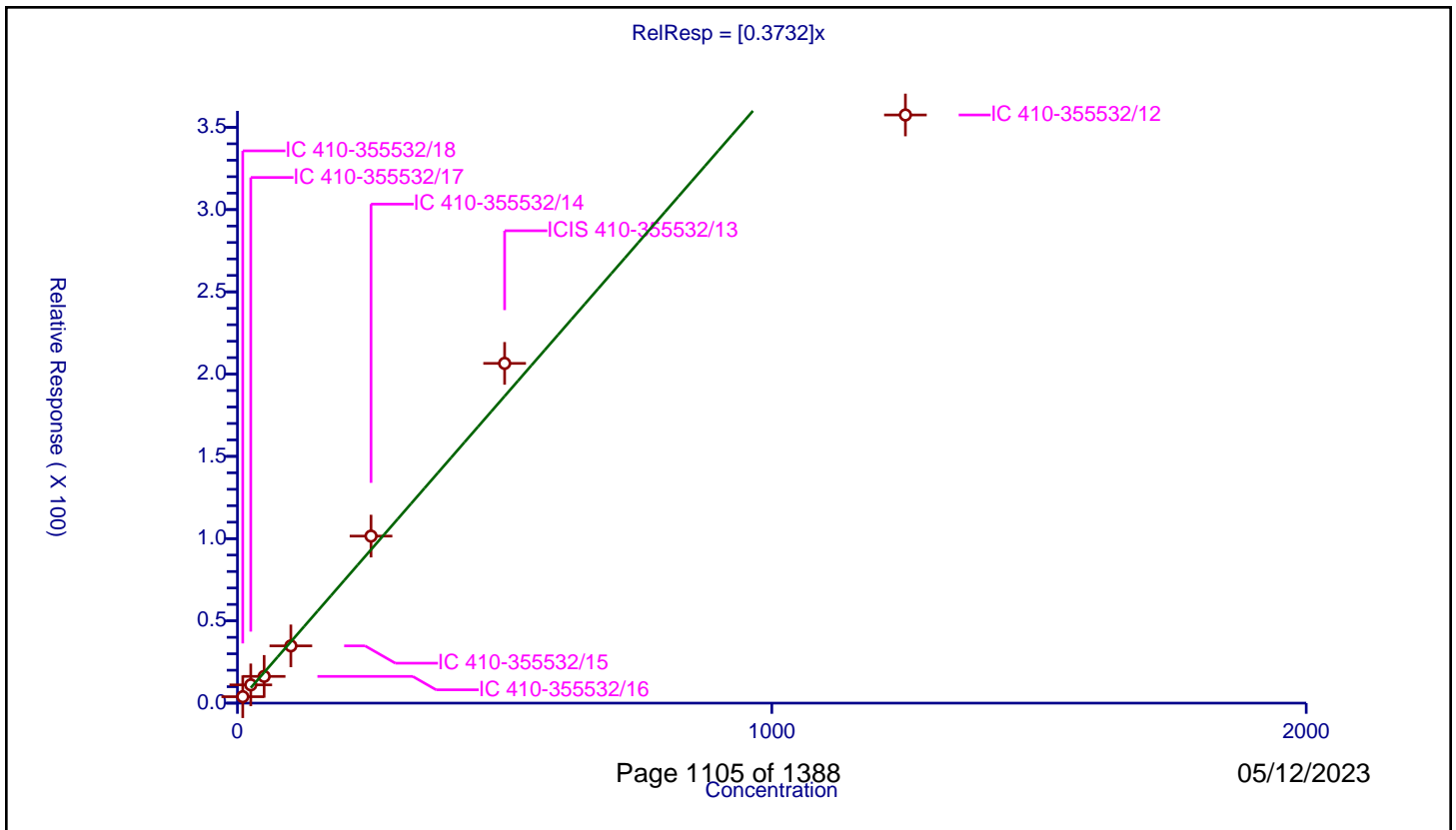
/ Isobutyl alcohol

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

Curve Coefficients	
Intercept:	0
Slope:	0.3732

Error Coefficients	
Standard Error:	472000
Relative Standard Error:	14.9
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	10.0	3.90486	50.0	126445.0	0.390486	Y
2	IC 410-355532/17	25.0	11.091783	50.0	153492.0	0.443671	Y
3	IC 410-355532/16	50.0	16.240075	50.0	134008.0	0.324802	Y
4	IC 410-355532/15	100.0	34.79354	50.0	97646.0	0.347935	Y
5	IC 410-355532/14	250.0	101.539279	50.0	125221.0	0.406157	Y
6	ICIS 410-355532/13	500.0	206.529647	50.0	120956.0	0.413059	Y
7	IC 410-355532/12	1250.0	357.522657	50.0	141127.0	0.286018	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

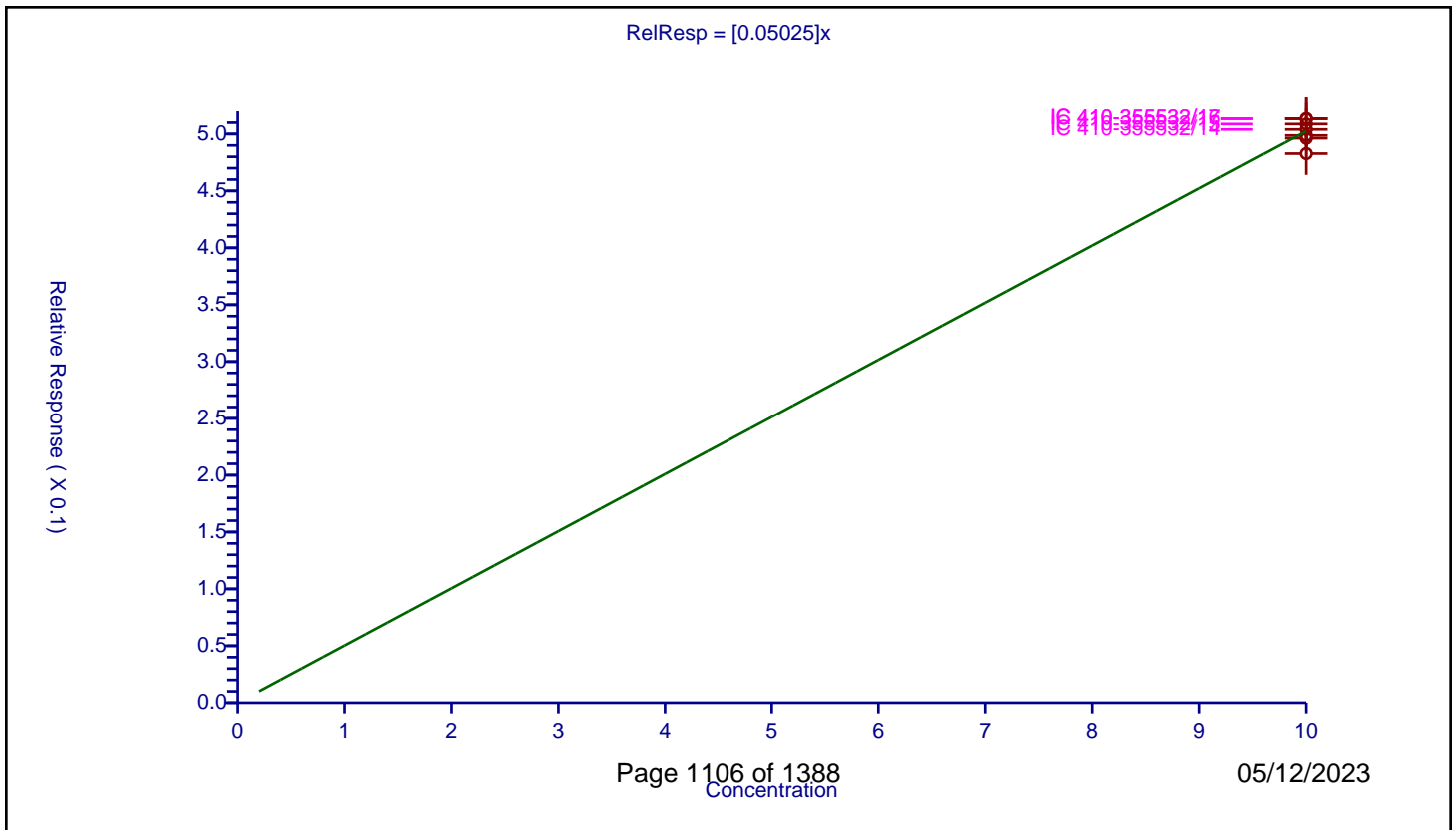
Curve Coefficients

Intercept: 0
 Slope: 0.05025

Error Coefficients

Standard Error: 128000
 Relative Standard Error: 2.2
 Correlation Coefficient: NA
 Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/12	10.0	0.482795	10.0	2408929.0	0.04828	Y
2	ICIS 410-355532/13	10.0	0.496297	10.0	2381761.0	0.04963	Y
3	IC 410-355532/14	10.0	0.504027	10.0	2387313.0	0.050403	Y
4	IC 410-355532/15	10.0	0.508769	10.0	2349279.0	0.050877	Y
5	IC 410-355532/16	10.0	0.51358	10.0	2343275.0	0.051358	Y
6	IC 410-355532/17	10.0	0.513384	10.0	2310552.0	0.051338	Y
7	IC 410-355532/18	10.0	0.498733	10.0	2286473.0	0.049873	Y



Calibration

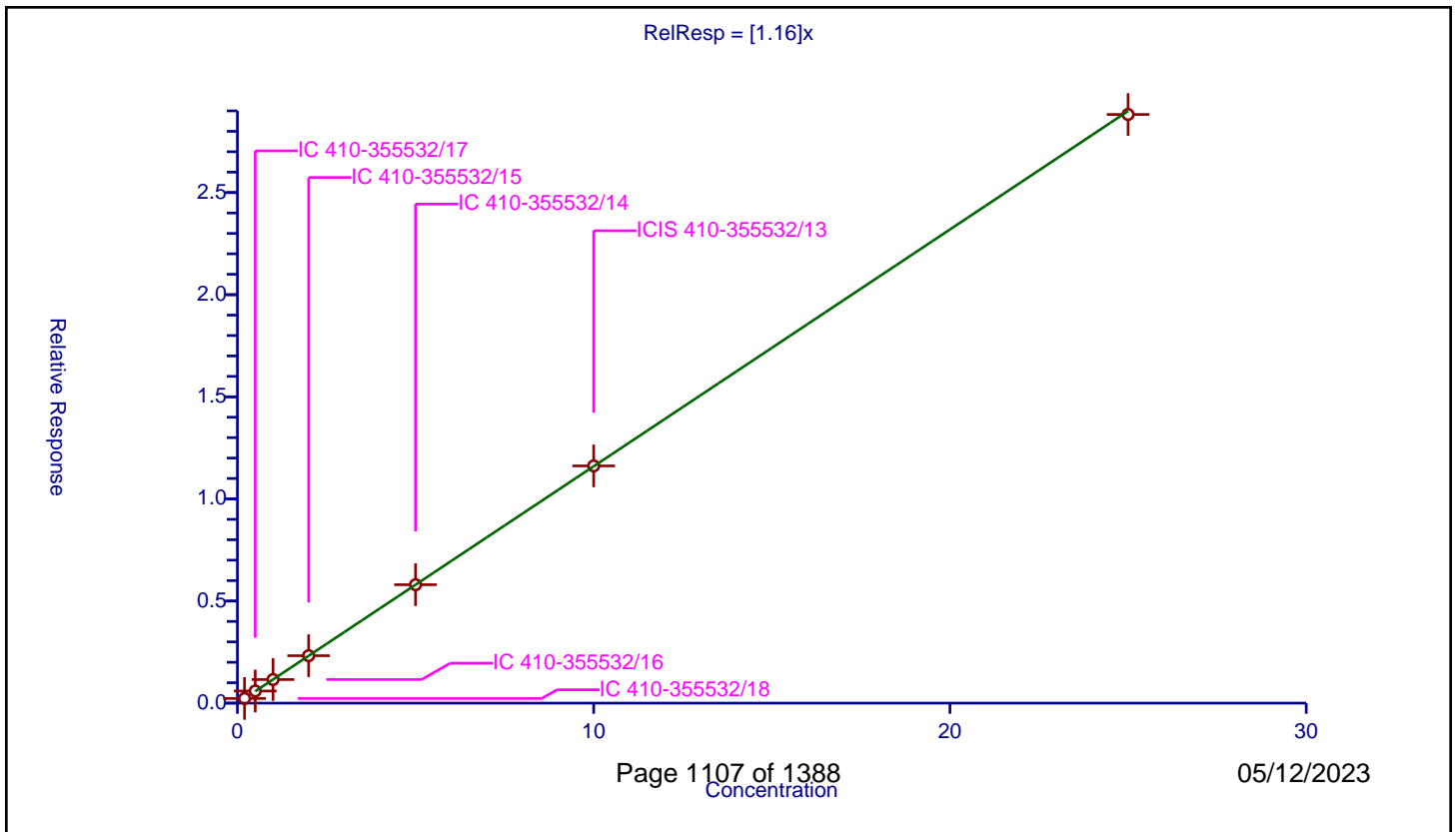
/ Benzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.16

Error Coefficients	
Standard Error:	3110000
Relative Standard Error:	1.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.227827	10.0	2286473.0	1.139134	Y
2	IC 410-355532/17	0.5	0.594269	10.0	2310552.0	1.188538	Y
3	IC 410-355532/16	1.0	1.154201	10.0	2343275.0	1.154201	Y
4	IC 410-355532/15	2.0	2.322185	10.0	2349279.0	1.161092	Y
5	IC 410-355532/14	5.0	5.799562	10.0	2387313.0	1.159912	Y
6	ICIS 410-355532/13	10.0	11.616321	10.0	2381761.0	1.161632	Y
7	IC 410-355532/12	25.0	28.824527	10.0	2408929.0	1.152981	Y



Calibration

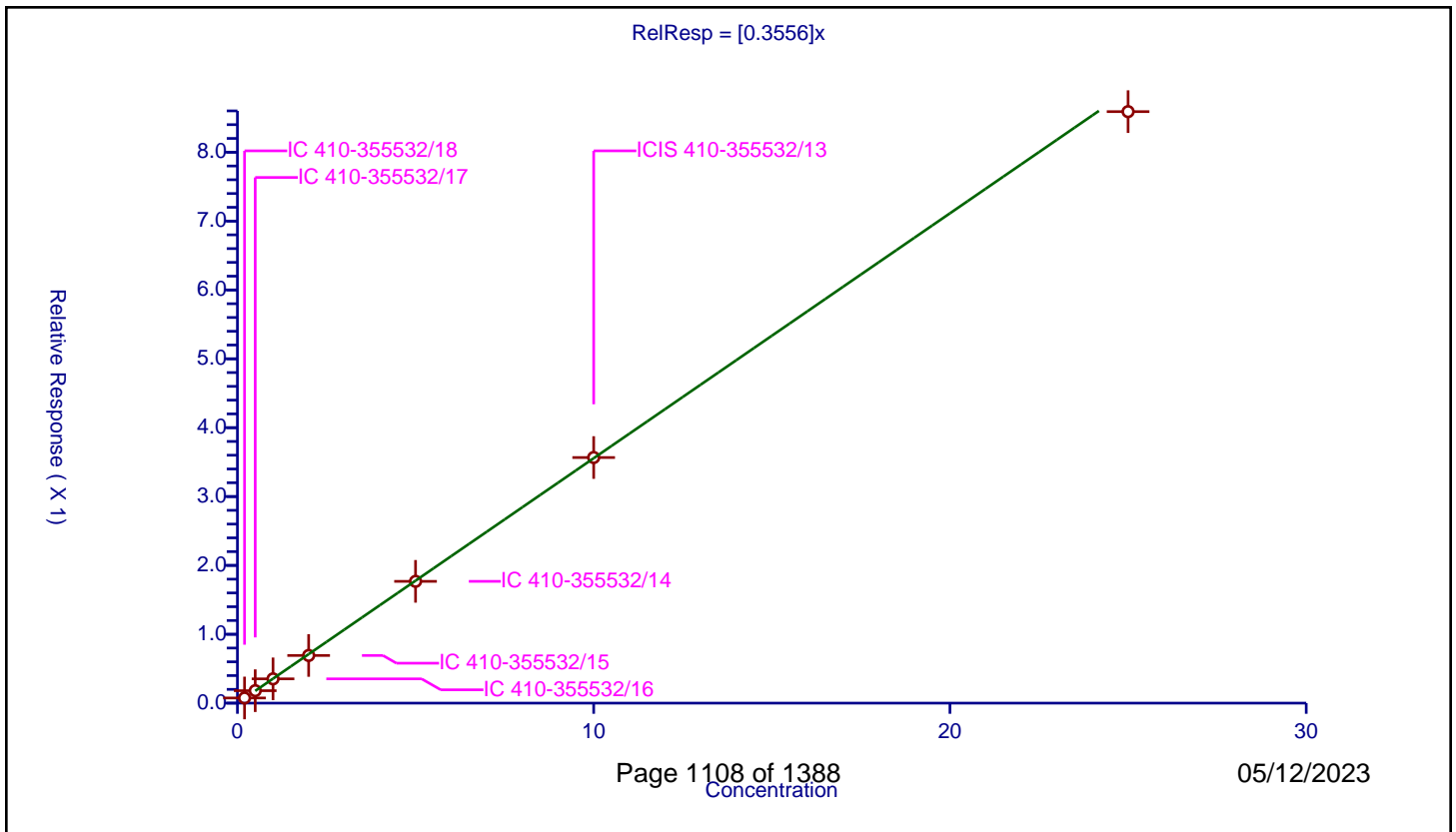
/ 1,2-Dichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3556

Error Coefficients	
Standard Error:	932000
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 410-355532/18	0.2	0.074993	10.0	2286473.0	0.374966	Y
2	IC 410-355532/17	0.5	0.180939	10.0	2310552.0	0.361879	Y
3	IC 410-355532/16	1.0	0.352703	10.0	2343275.0	0.352703	Y
4	IC 410-355532/15	2.0	0.692034	10.0	2349279.0	0.346017	Y
5	IC 410-355532/14	5.0	1.768398	10.0	2387313.0	0.35368	Y
6	ICIS 410-355532/13	10.0	3.566349	10.0	2381761.0	0.356635	Y
7	IC 410-355532/12	25.0	8.589199	10.0	2408929.0	0.343568	Y



Calibration

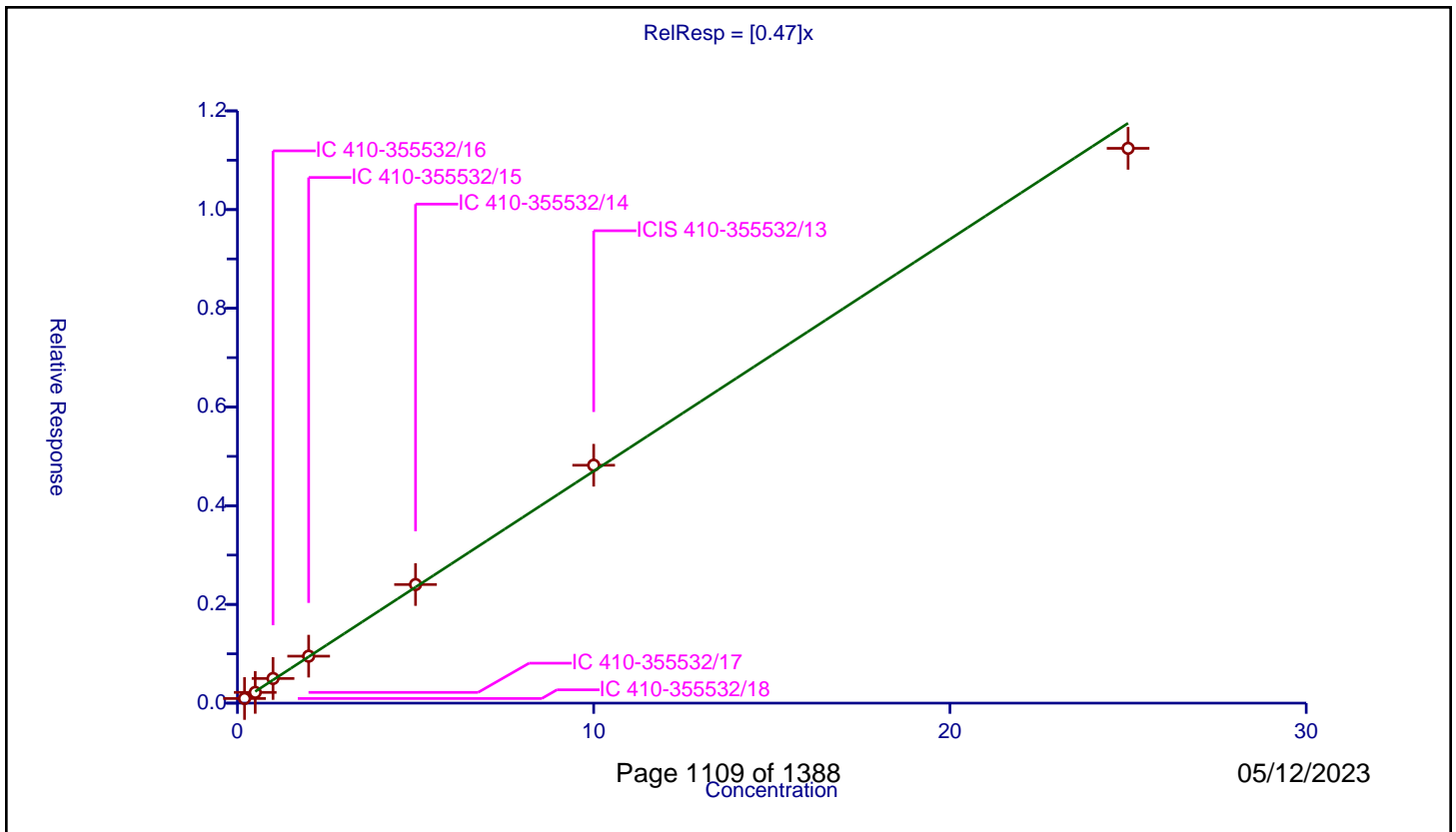
/ Tert-amyl methyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.47

Error Coefficients	
Standard Error:	1230000
Relative Standard Error:	4.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.093511	10.0	2286473.0	0.467554	Y
2	IC 410-355532/17	0.5	0.217667	10.0	2310552.0	0.435333	Y
3	IC 410-355532/16	1.0	0.49919	10.0	2343275.0	0.49919	Y
4	IC 410-355532/15	2.0	0.951539	10.0	2349279.0	0.475769	Y
5	IC 410-355532/14	5.0	2.403359	10.0	2387313.0	0.480672	Y
6	ICIS 410-355532/13	10.0	4.82024	10.0	2381761.0	0.482024	Y
7	IC 410-355532/12	25.0	11.241103	10.0	2408929.0	0.449644	Y



Calibration

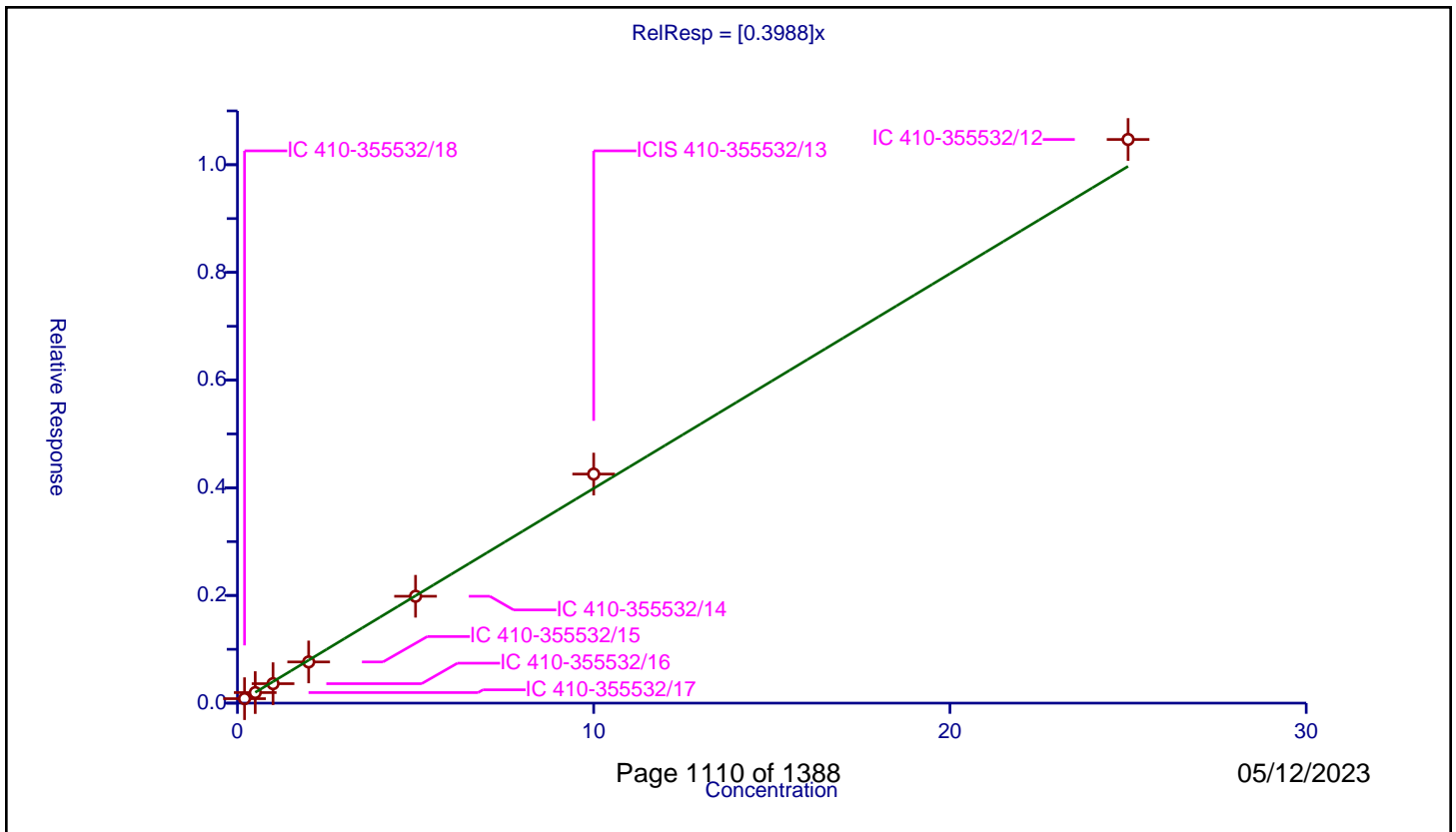
/ n-Heptane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3988

Error Coefficients	
Standard Error:	1130000
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 410-355532/18	0.2	0.082949	10.0	2286473.0	0.414744	Y
2	IC 410-355532/17	0.5	0.196144	10.0	2310552.0	0.392287	Y
3	IC 410-355532/16	1.0	0.361174	10.0	2343275.0	0.361174	Y
4	IC 410-355532/15	2.0	0.764801	10.0	2349279.0	0.3824	Y
5	IC 410-355532/14	5.0	1.984935	10.0	2387313.0	0.396987	Y
6	ICIS 410-355532/13	10.0	4.254281	10.0	2381761.0	0.425428	Y
7	IC 410-355532/12	25.0	10.469076	10.0	2408929.0	0.418763	Y



Calibration

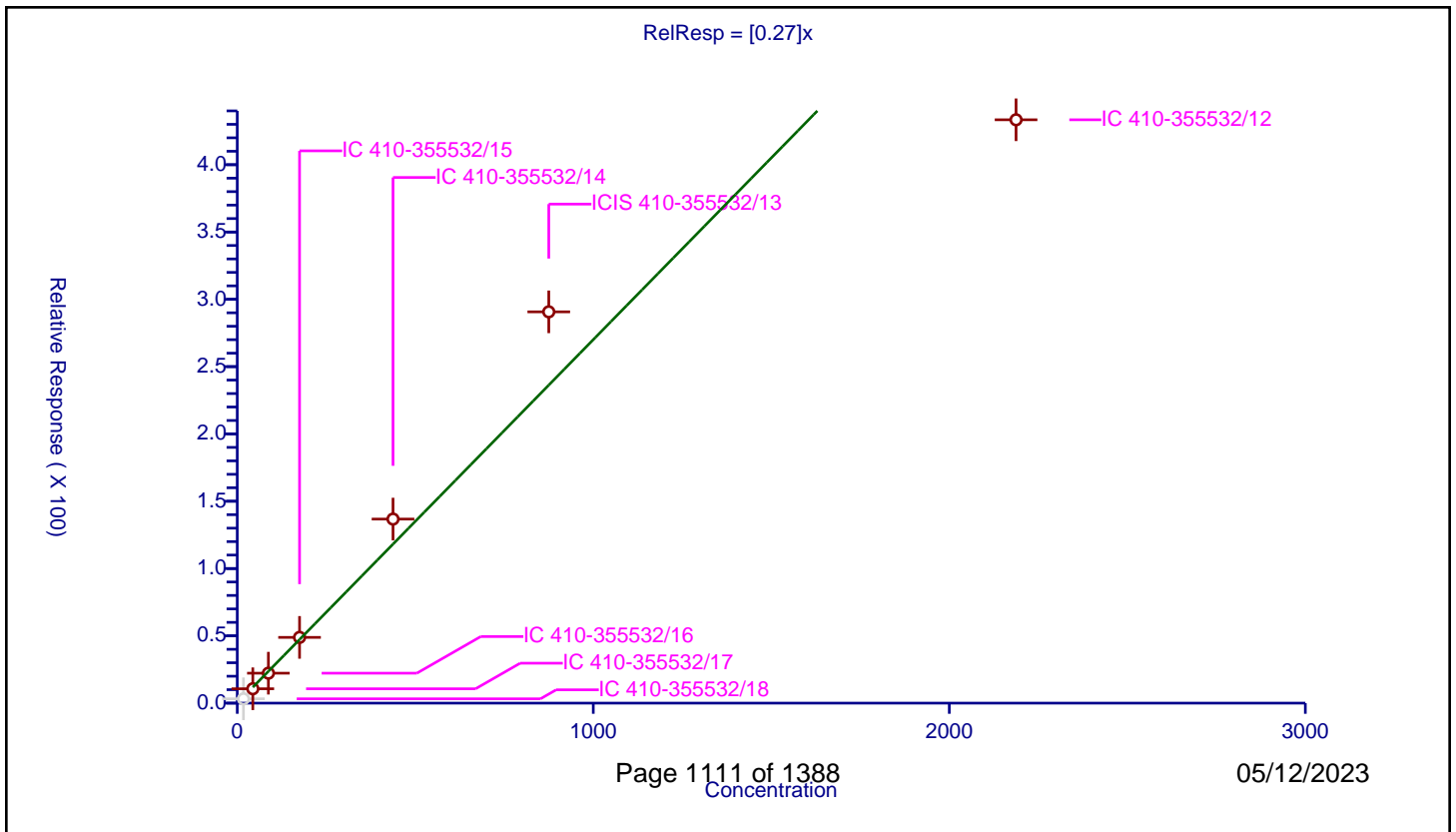
/ n-Butanol

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

Curve Coefficients	
Intercept:	0
Slope:	0.27

Error Coefficients	
Standard Error:	651000
Relative Standard Error:	18.0
Correlation Coefficient:	0.966
Coefficient of Determination (Adjusted):	0.955

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	17.5	3.210487	50.0	126445.0	0.183456	N
2	IC 410-355532/17	43.75	10.66896	50.0	153492.0	0.243862	Y
3	IC 410-355532/16	87.5	22.257626	50.0	134008.0	0.254373	Y
4	IC 410-355532/15	175.0	48.839174	50.0	97646.0	0.279081	Y
5	IC 410-355532/14	437.5	136.738247	50.0	125221.0	0.312545	Y
6	ICIS 410-355532/13	875.0	290.708191	50.0	120956.0	0.332238	Y
7	IC 410-355532/12	2187.5	433.387658	50.0	141127.0	0.19812	Y



Calibration

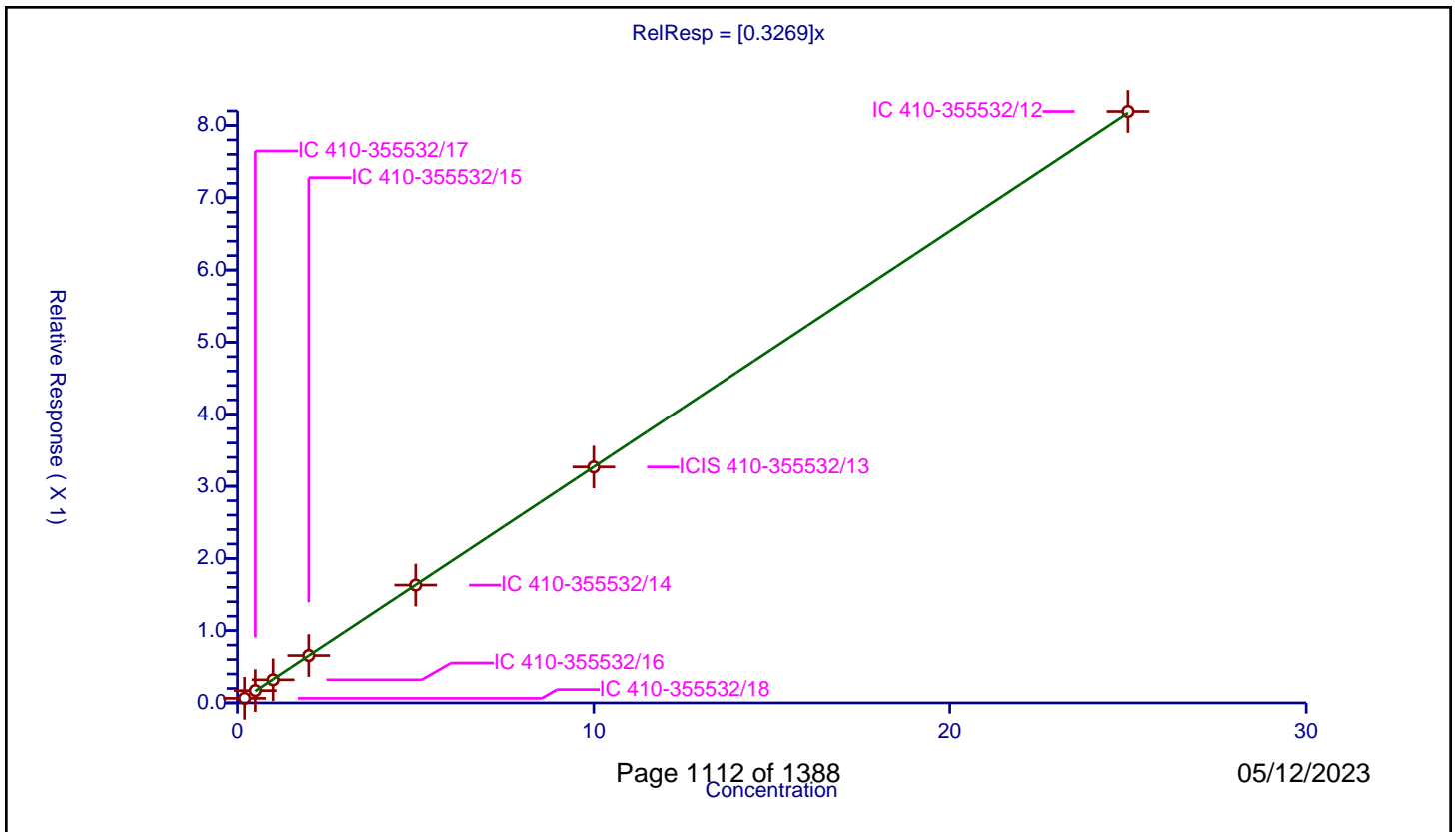
/ Trichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.3269

Error Coefficients	
Standard Error:	884000
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 410-355532/18	0.2	0.063793	10.0	2286473.0	0.318963	Y
2	IC 410-355532/17	0.5	0.170626	10.0	2310552.0	0.341252	Y
3	IC 410-355532/16	1.0	0.319805	10.0	2343275.0	0.319805	Y
4	IC 410-355532/15	2.0	0.655767	10.0	2349279.0	0.327884	Y
5	IC 410-355532/14	5.0	1.630708	10.0	2387313.0	0.326142	Y
6	ICIS 410-355532/13	10.0	3.267356	10.0	2381761.0	0.326736	Y
7	IC 410-355532/12	25.0	8.193089	10.0	2408929.0	0.327724	Y



Calibration

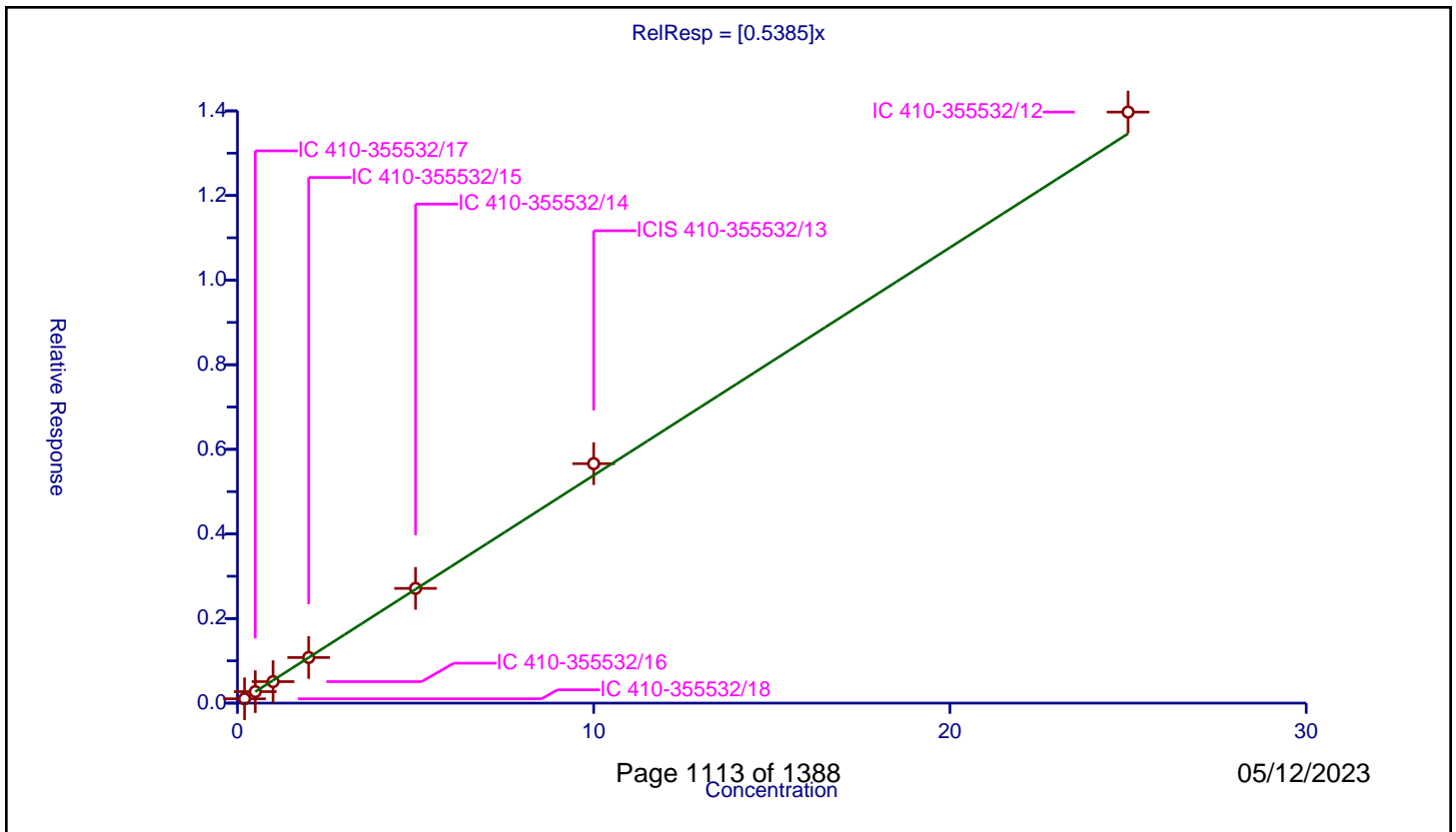
/ Methylcyclohexane

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

Curve Coefficients	
Intercept:	0
Slope:	0.5385

Error Coefficients	
Standard Error:	1510000
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 410-355532/18	0.2	0.102297	10.0	2286473.0	0.511486	Y
2	IC 410-355532/17	0.5	0.271437	10.0	2310552.0	0.542875	Y
3	IC 410-355532/16	1.0	0.508515	10.0	2343275.0	0.508515	Y
4	IC 410-355532/15	2.0	1.078033	10.0	2349279.0	0.539016	Y
5	IC 410-355532/14	5.0	2.712552	10.0	2387313.0	0.54251	Y
6	ICIS 410-355532/13	10.0	5.660702	10.0	2381761.0	0.56607	Y
7	IC 410-355532/12	25.0	13.972222	10.0	2408929.0	0.558889	Y



Calibration

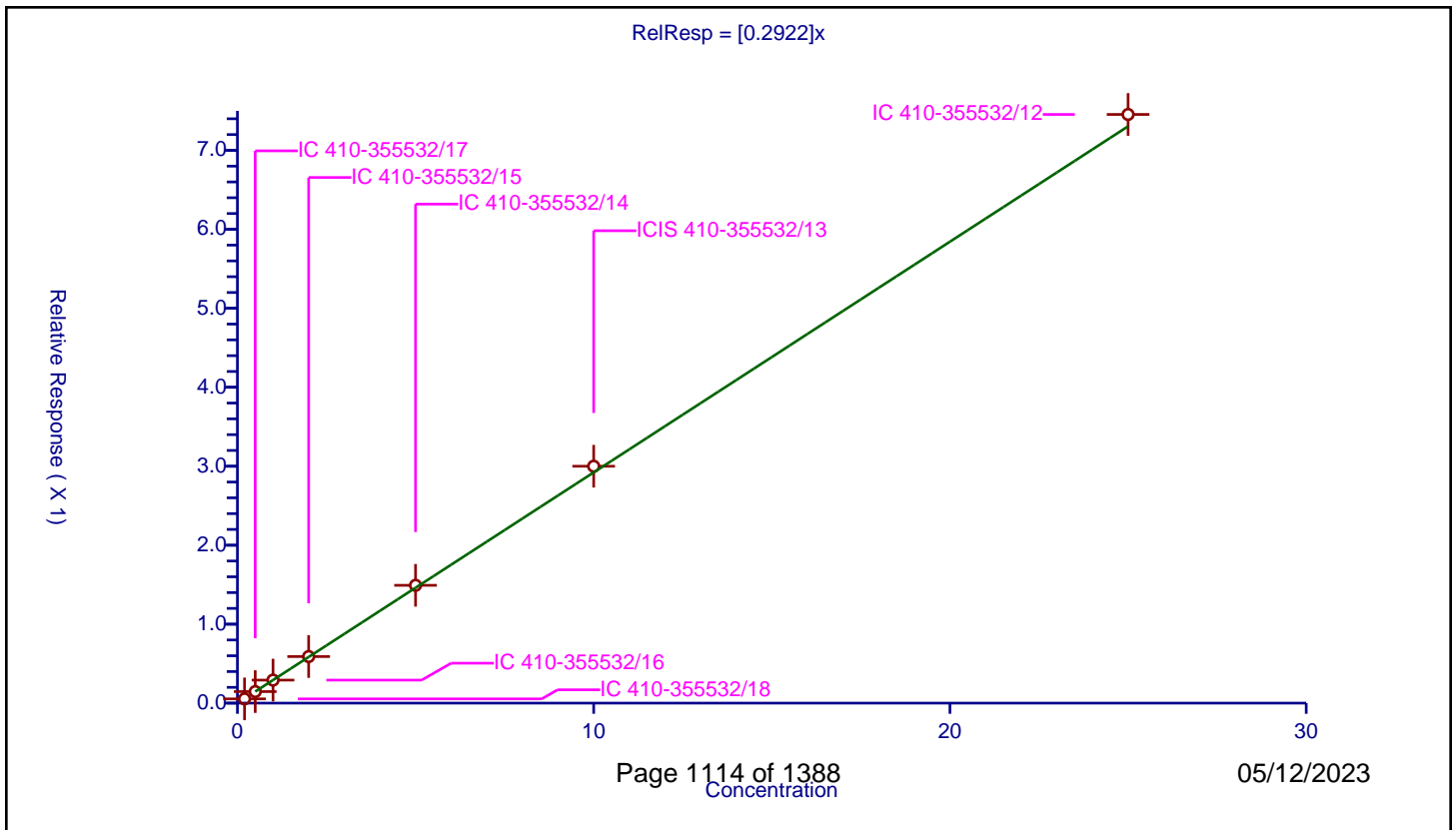
/ 1,2-Dichloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2922

Error Coefficients	
Standard Error:	805000
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 410-355532/18	0.2	0.05393	10.0	2286473.0	0.269651	Y
2	IC 410-355532/17	0.5	0.146342	10.0	2310552.0	0.292683	Y
3	IC 410-355532/16	1.0	0.291472	10.0	2343275.0	0.291472	Y
4	IC 410-355532/15	2.0	0.589636	10.0	2349279.0	0.294818	Y
5	IC 410-355532/14	5.0	1.491924	10.0	2387313.0	0.298385	Y
6	ICIS 410-355532/13	10.0	3.0001	10.0	2381761.0	0.30001	Y
7	IC 410-355532/12	25.0	7.454649	10.0	2408929.0	0.298186	Y



Calibration

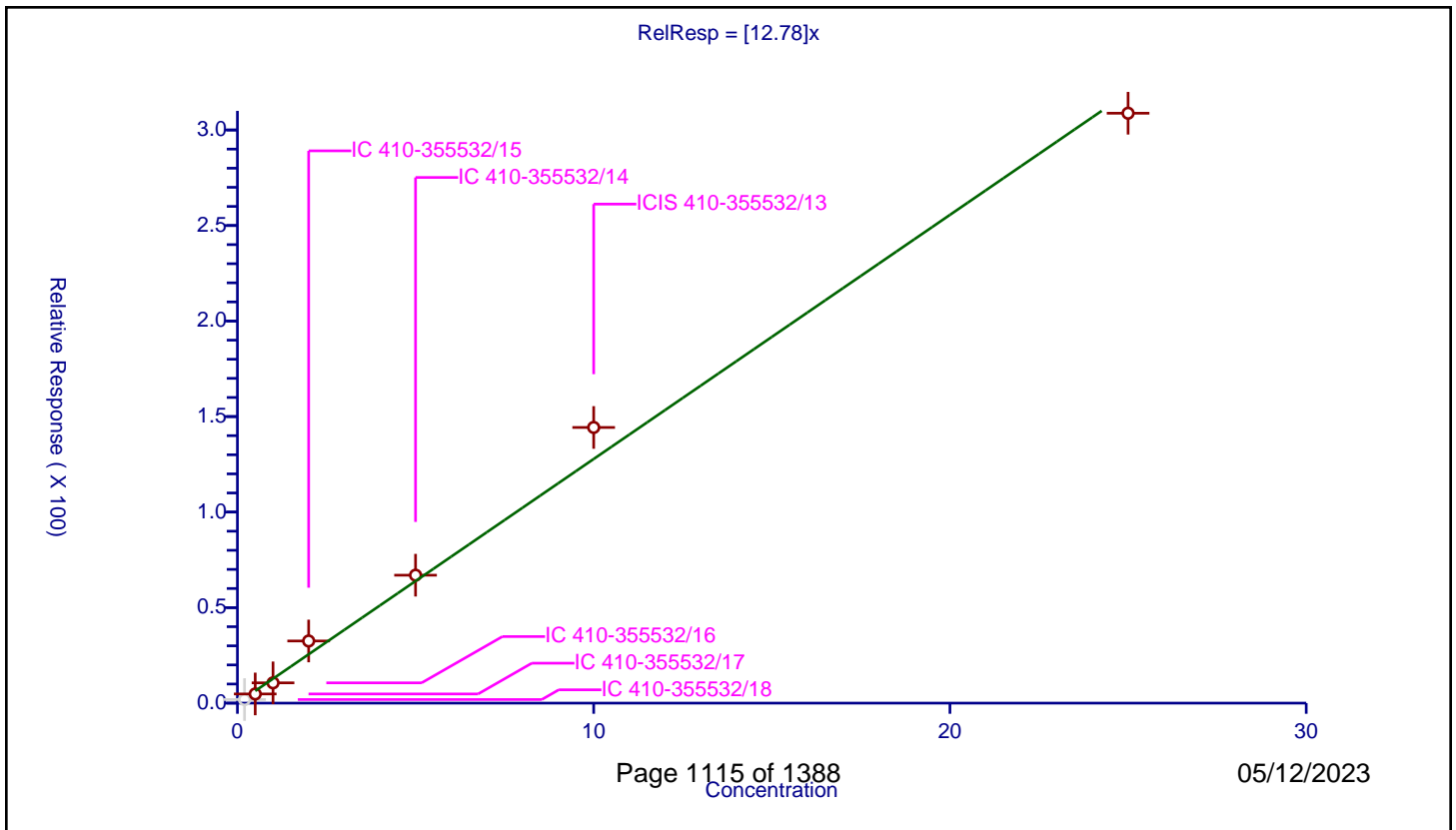
/ Methyl methacrylate

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

Curve Coefficients	
Intercept:	0
Slope:	12.78

Error Coefficients	
Standard Error:	428000
Relative Standard Error:	19.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.955

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	1.869983	50.0	126445.0	9.349915	N
2	IC 410-355532/17	0.5	4.809371	50.0	153492.0	9.618742	Y
3	IC 410-355532/16	1.0	10.612053	50.0	134008.0	10.612053	Y
4	IC 410-355532/15	2.0	32.530774	50.0	97646.0	16.265387	Y
5	IC 410-355532/14	5.0	66.971195	50.0	125221.0	13.394239	Y
6	ICIS 410-355532/13	10.0	144.295446	50.0	120956.0	14.429545	Y
7	IC 410-355532/12	25.0	308.767989	50.0	141127.0	12.35072	Y



Calibration

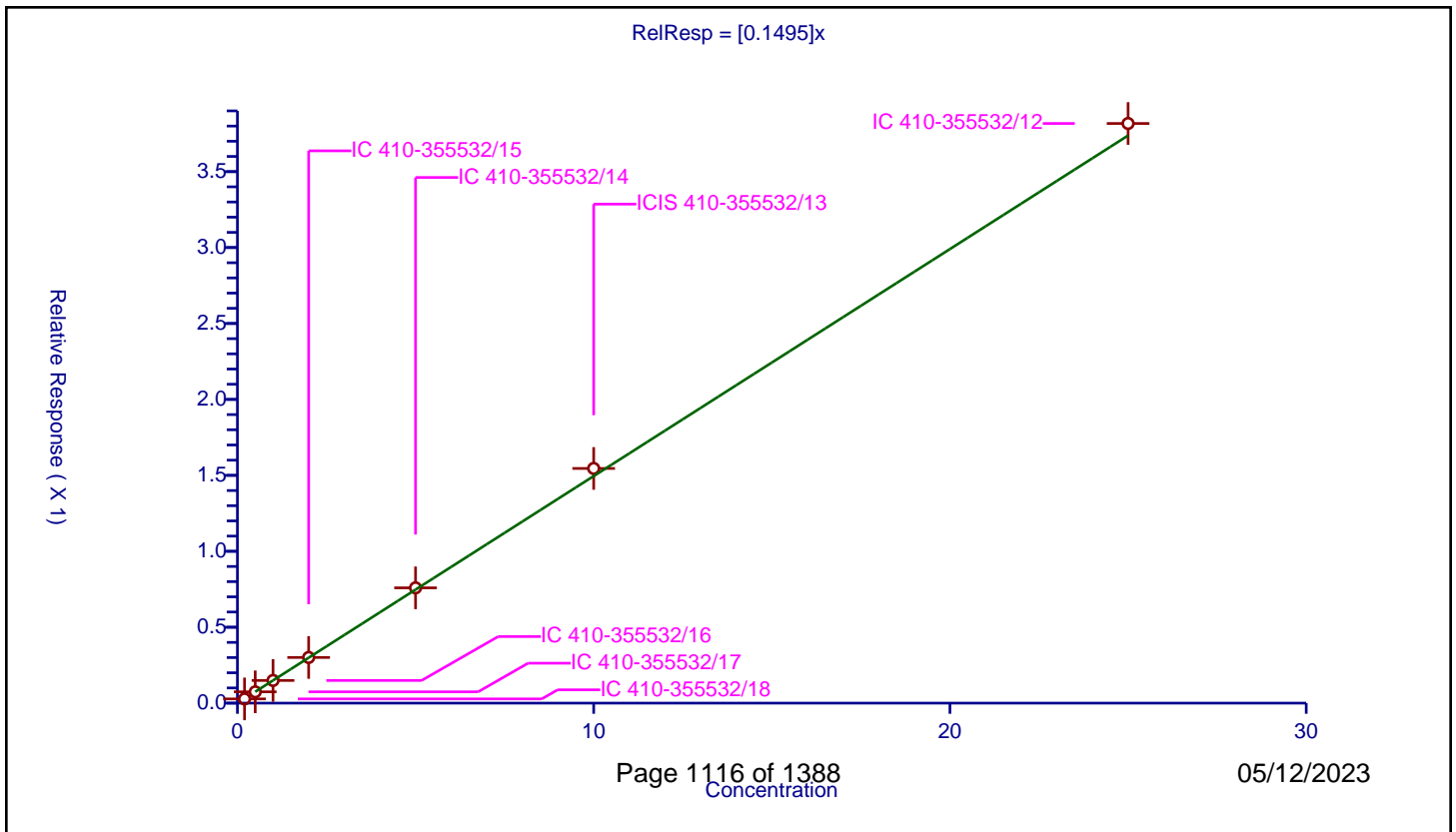
/ Dibromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.1495

Error Coefficients	
Standard Error:	412000
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 410-355532/18	0.2	0.027794	10.0	2286473.0	0.138969	Y
2	IC 410-355532/17	0.5	0.074363	10.0	2310552.0	0.148726	Y
3	IC 410-355532/16	1.0	0.149428	10.0	2343275.0	0.149428	Y
4	IC 410-355532/15	2.0	0.300748	10.0	2349279.0	0.150374	Y
5	IC 410-355532/14	5.0	0.759184	10.0	2387313.0	0.151837	Y
6	ICIS 410-355532/13	10.0	1.545441	10.0	2381761.0	0.154544	Y
7	IC 410-355532/12	25.0	3.81697	10.0	2408929.0	0.152679	Y



Calibration

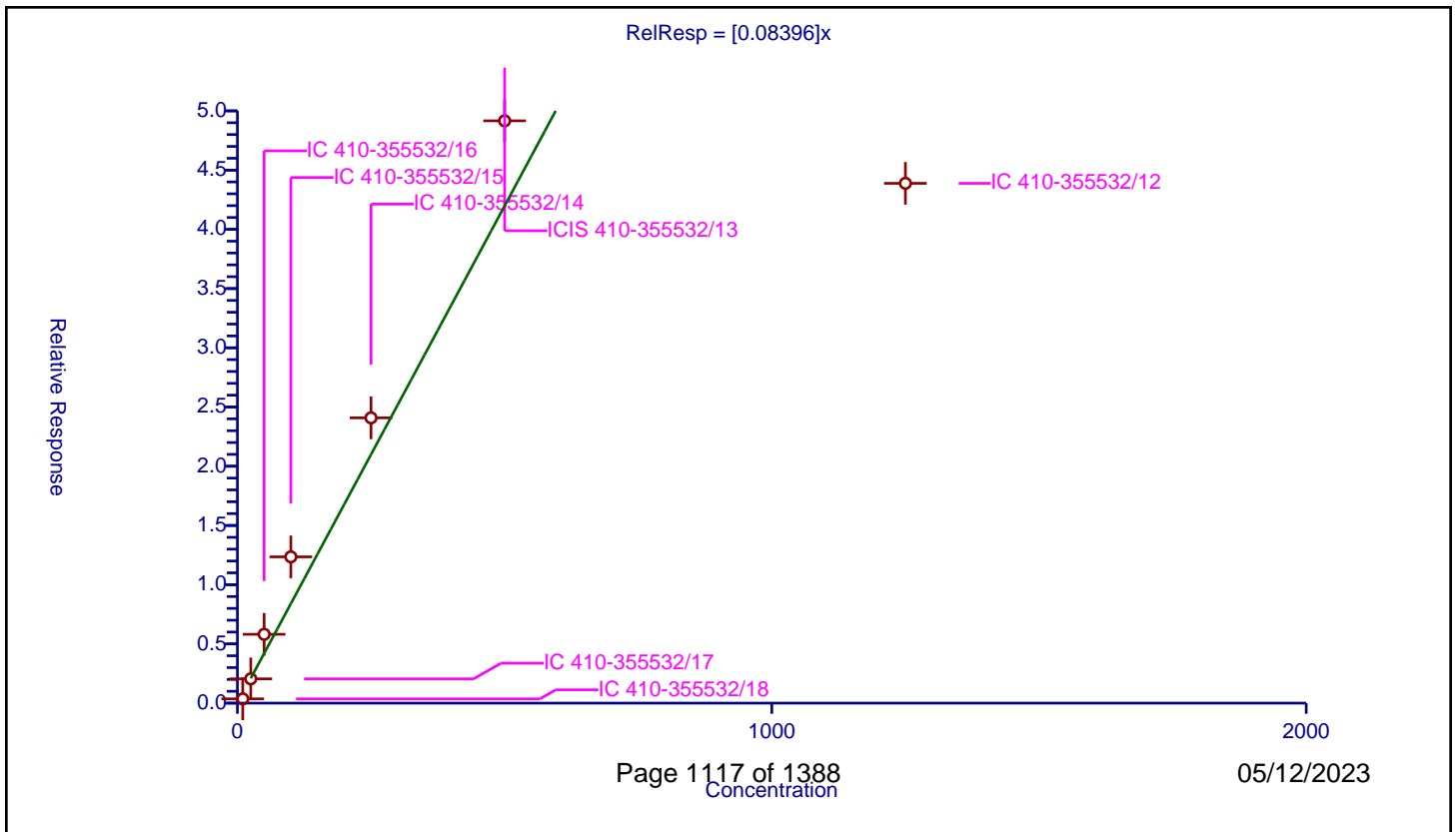
/ 1,4-Dioxane

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

Curve Coefficients	
Intercept:	0
Slope:	0.08396

Error Coefficients	
Standard Error:	75200
Relative Standard Error:	42.5
Correlation Coefficient:	0.767
Coefficient of Determination (Adjusted):	0.837

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	10.0	0.361817	50.0	126445.0	0.036182	Y
2	IC 410-355532/17	25.0	2.050921	50.0	153492.0	0.082037	Y
3	IC 410-355532/16	50.0	5.811593	50.0	134008.0	0.116232	Y
4	IC 410-355532/15	100.0	12.351248	50.0	97646.0	0.123512	Y
5	IC 410-355532/14	250.0	24.085018	50.0	125221.0	0.09634	Y
6	ICIS 410-355532/13	500.0	49.161265	50.0	120956.0	0.098323	Y
7	IC 410-355532/12	1250.0	43.884586	50.0	141127.0	0.035108	Y



Calibration

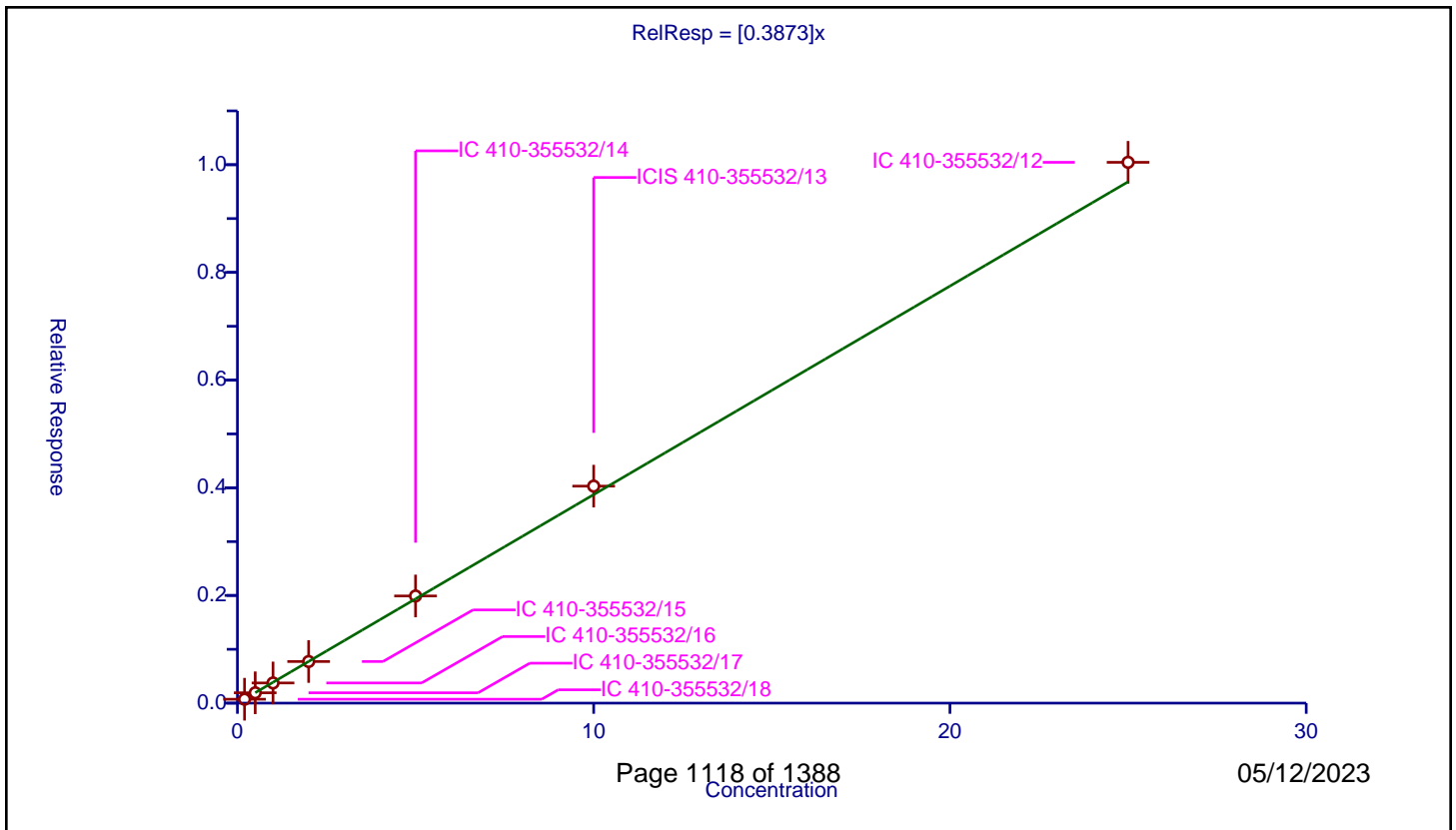
/ Dichlorobromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3873

Error Coefficients	
Standard Error:	1080000
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 410-355532/18	0.2	0.072522	10.0	2286473.0	0.362611	Y
2	IC 410-355532/17	0.5	0.192175	10.0	2310552.0	0.38435	Y
3	IC 410-355532/16	1.0	0.374822	10.0	2343275.0	0.374822	Y
4	IC 410-355532/15	2.0	0.772884	10.0	2349279.0	0.386442	Y
5	IC 410-355532/14	5.0	1.990455	10.0	2387313.0	0.398091	Y
6	ICIS 410-355532/13	10.0	4.03064	10.0	2381761.0	0.403064	Y
7	IC 410-355532/12	25.0	10.044721	10.0	2408929.0	0.401789	Y



Calibration

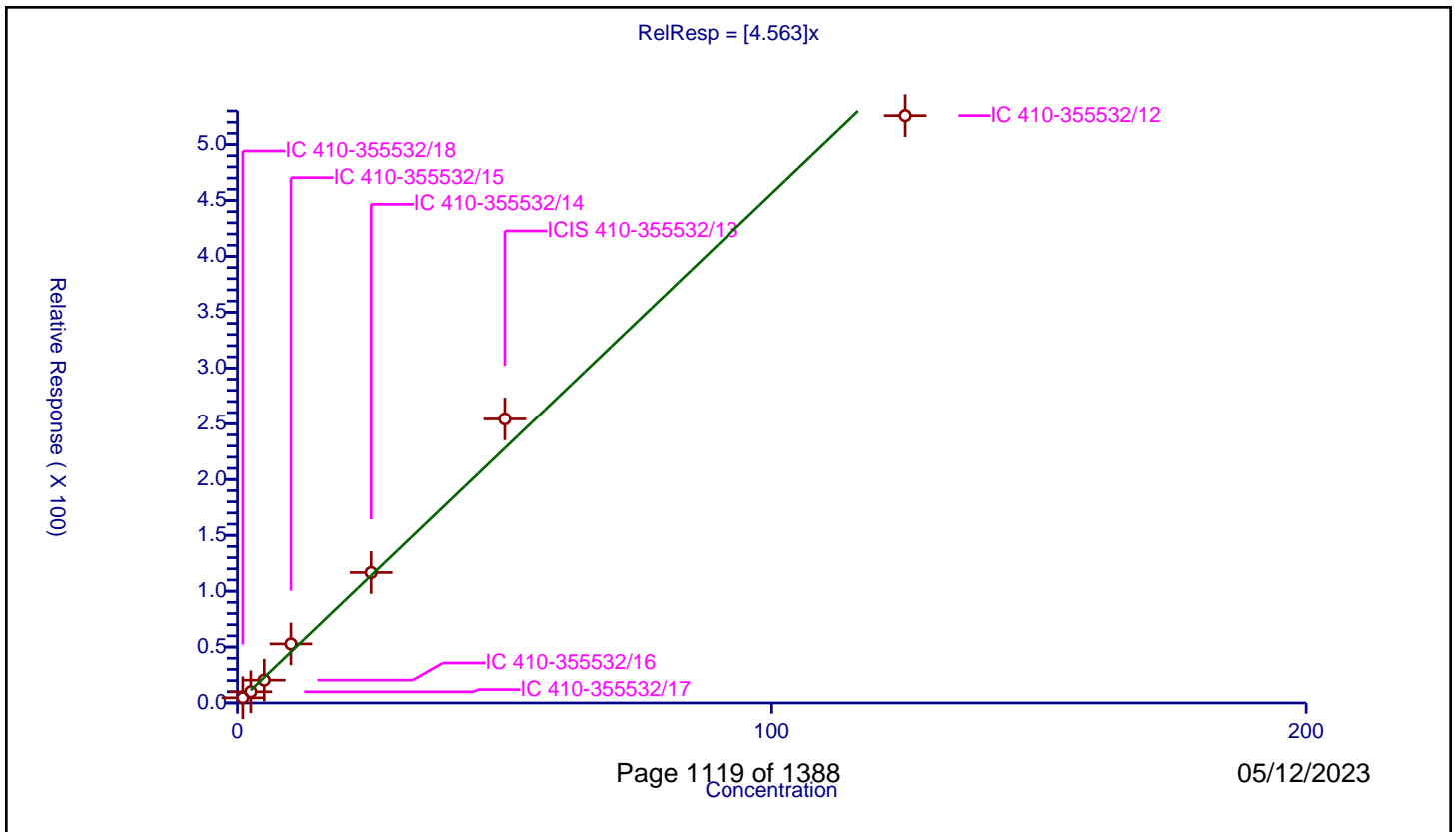
/ 2-Nitropropane

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

Curve Coefficients	
Intercept:	0
Slope:	4.563

Error Coefficients	
Standard Error:	668000
Relative Standard Error:	10.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	1.0	4.617027	50.0	126445.0	4.617027	Y
2	IC 410-355532/17	2.5	9.993355	50.0	153492.0	3.997342	Y
3	IC 410-355532/16	5.0	20.416318	50.0	134008.0	4.083264	Y
4	IC 410-355532/15	10.0	52.811175	50.0	97646.0	5.281118	Y
5	IC 410-355532/14	25.0	116.700474	50.0	125221.0	4.668019	Y
6	ICIS 410-355532/13	50.0	254.306938	50.0	120956.0	5.086139	Y
7	IC 410-355532/12	125.0	525.8278	50.0	141127.0	4.206622	Y



Calibration

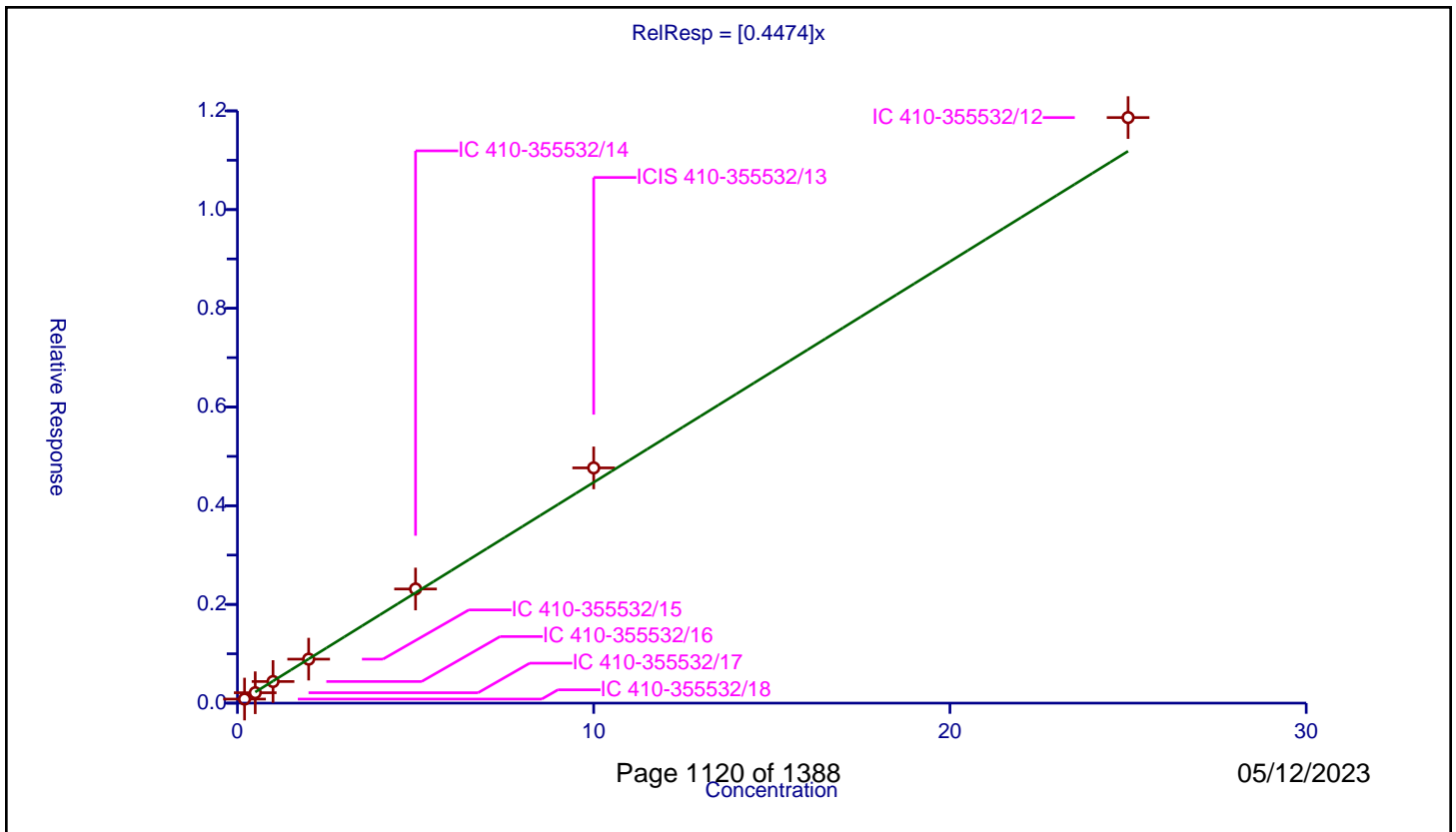
/ cis-1,3-Dichloropropene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4474

Error Coefficients	
Standard Error:	1280000
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 410-355532/18	0.2	0.082468	10.0	2286473.0	0.412338	Y
2	IC 410-355532/17	0.5	0.210859	10.0	2310552.0	0.421717	Y
3	IC 410-355532/16	1.0	0.438002	10.0	2343275.0	0.438002	Y
4	IC 410-355532/15	2.0	0.891384	10.0	2349279.0	0.445692	Y
5	IC 410-355532/14	5.0	2.31278	10.0	2387313.0	0.462556	Y
6	ICIS 410-355532/13	10.0	4.766402	10.0	2381761.0	0.47664	Y
7	IC 410-355532/12	25.0	11.864409	10.0	2408929.0	0.474576	Y



Calibration

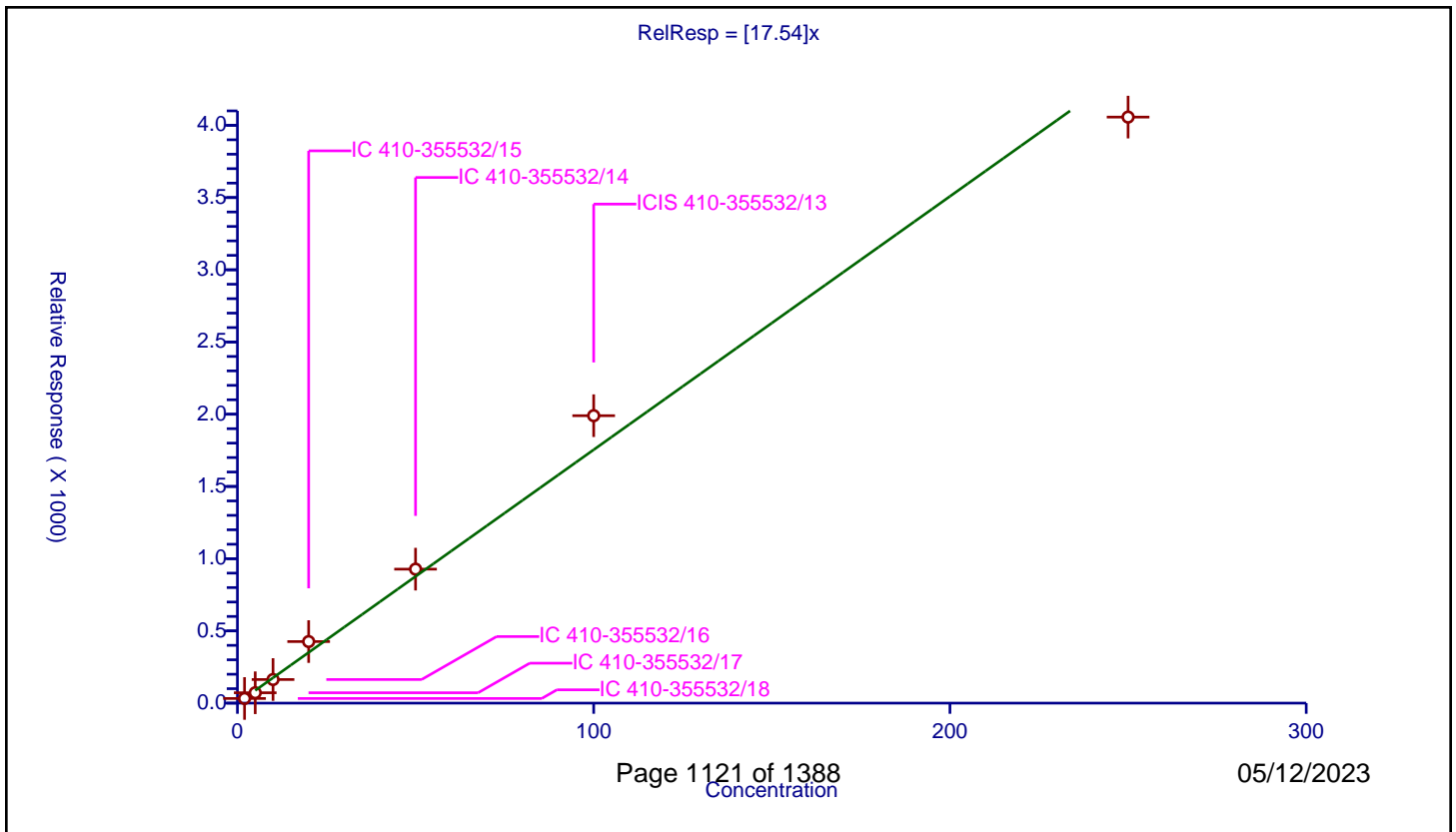
/ 4-Methyl-2-pentanone (MIBK)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	17.54

Error Coefficients	
Standard Error:	5170000
Relative Standard Error:	14.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	2.0	32.187117	50.0	126445.0	16.093558	Y
2	IC 410-355532/17	5.0	71.851953	50.0	153492.0	14.370391	Y
3	IC 410-355532/16	10.0	163.426064	50.0	134008.0	16.342606	Y
4	IC 410-355532/15	20.0	426.192061	50.0	97646.0	21.309603	Y
5	IC 410-355532/14	50.0	927.439088	50.0	125221.0	18.548782	Y
6	ICIS 410-355532/13	100.0	1989.868217	50.0	120956.0	19.898682	Y
7	IC 410-355532/12	250.0	4057.115931	50.0	141127.0	16.228464	Y



Calibration

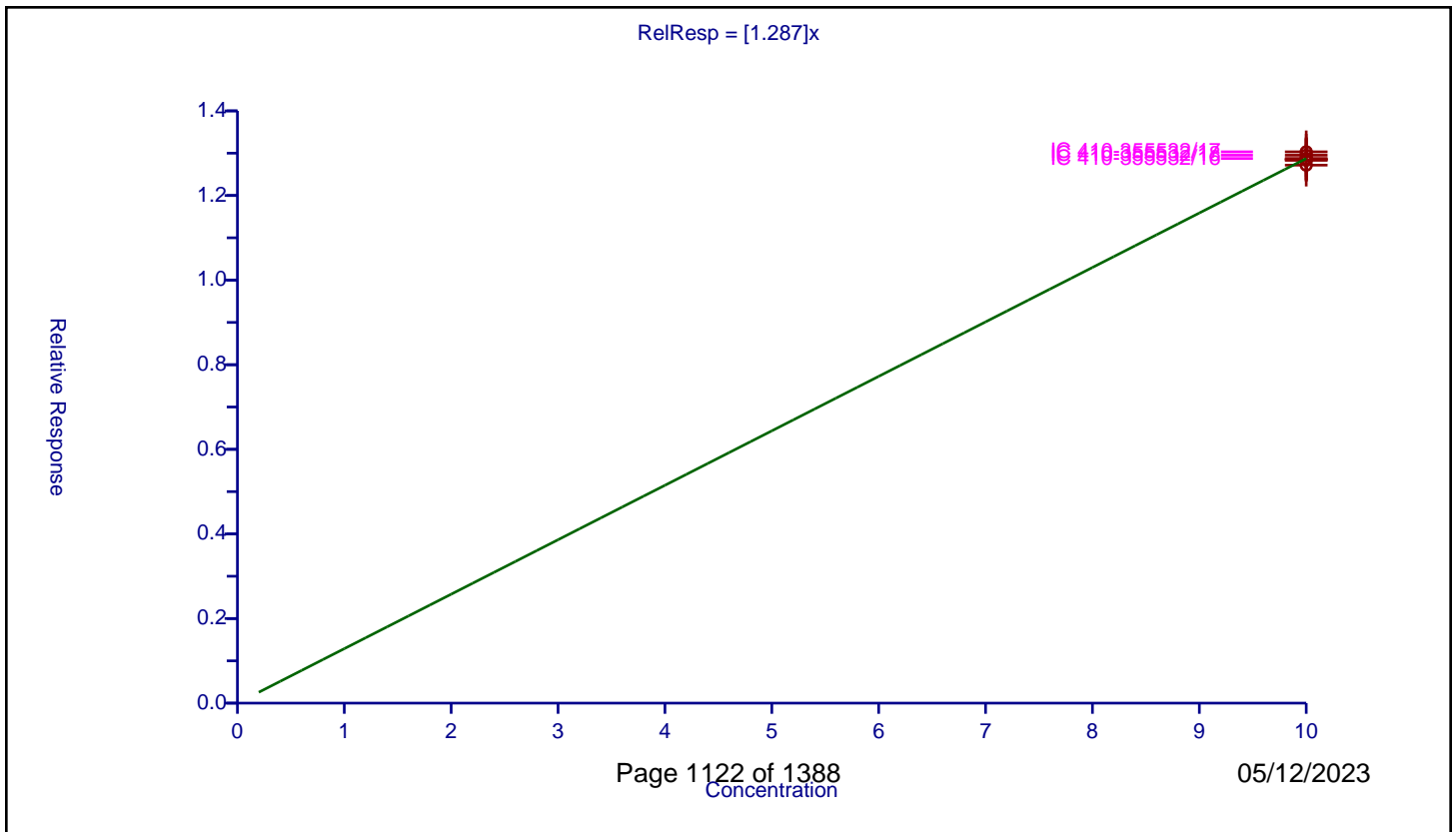
/ Toluene-d8 (Surr)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.287

Error Coefficients	
Standard Error:	2570000
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 410-355532/12	10.0	12.717465	10.0	1936058.0	1.271747	Y
2	ICIS 410-355532/13	10.0	12.832379	10.0	1886594.0	1.283238	Y
3	IC 410-355532/14	10.0	12.84399	10.0	1885942.0	1.284399	Y
4	IC 410-355532/15	10.0	12.862453	10.0	1844928.0	1.286245	Y
5	IC 410-355532/16	10.0	12.87498	10.0	1818962.0	1.287498	Y
6	IC 410-355532/17	10.0	13.032143	10.0	1779098.0	1.303214	Y
7	IC 410-355532/18	10.0	12.951626	10.0	1770499.0	1.295163	Y



Calibration

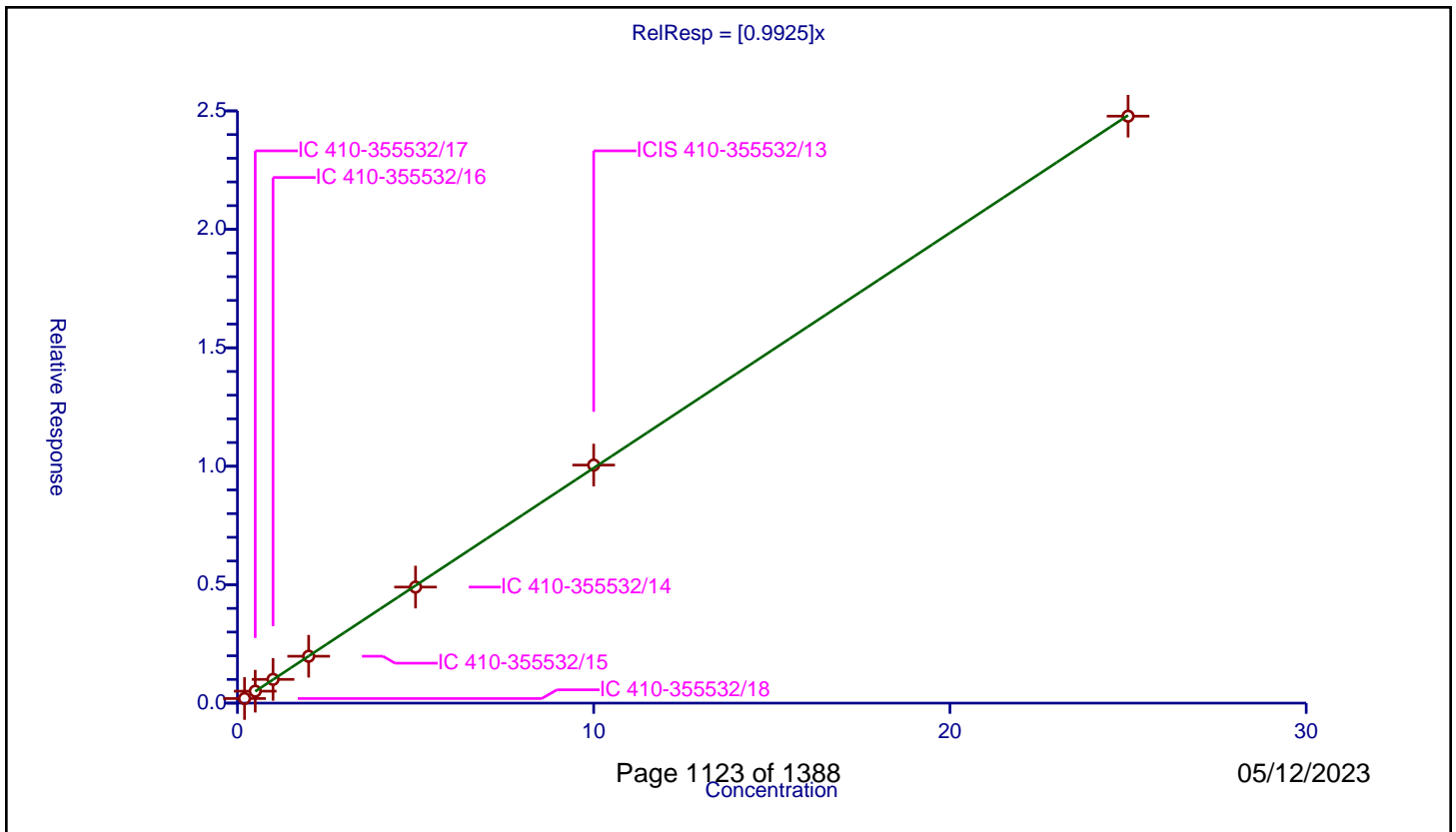
/ Toluene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9925

Error Coefficients	
Standard Error:	2150000
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 410-355532/18	0.2	0.194143	10.0	1770499.0	0.970715	Y
2	IC 410-355532/17	0.5	0.504447	10.0	1779098.0	1.008893	Y
3	IC 410-355532/16	1.0	1.002742	10.0	1818962.0	1.002742	Y
4	IC 410-355532/15	2.0	1.979394	10.0	1844928.0	0.989697	Y
5	IC 410-355532/14	5.0	4.89873	10.0	1885942.0	0.979746	Y
6	ICIS 410-355532/13	10.0	10.048829	10.0	1886594.0	1.004883	Y
7	IC 410-355532/12	25.0	24.777367	10.0	1936058.0	0.991095	Y



Calibration

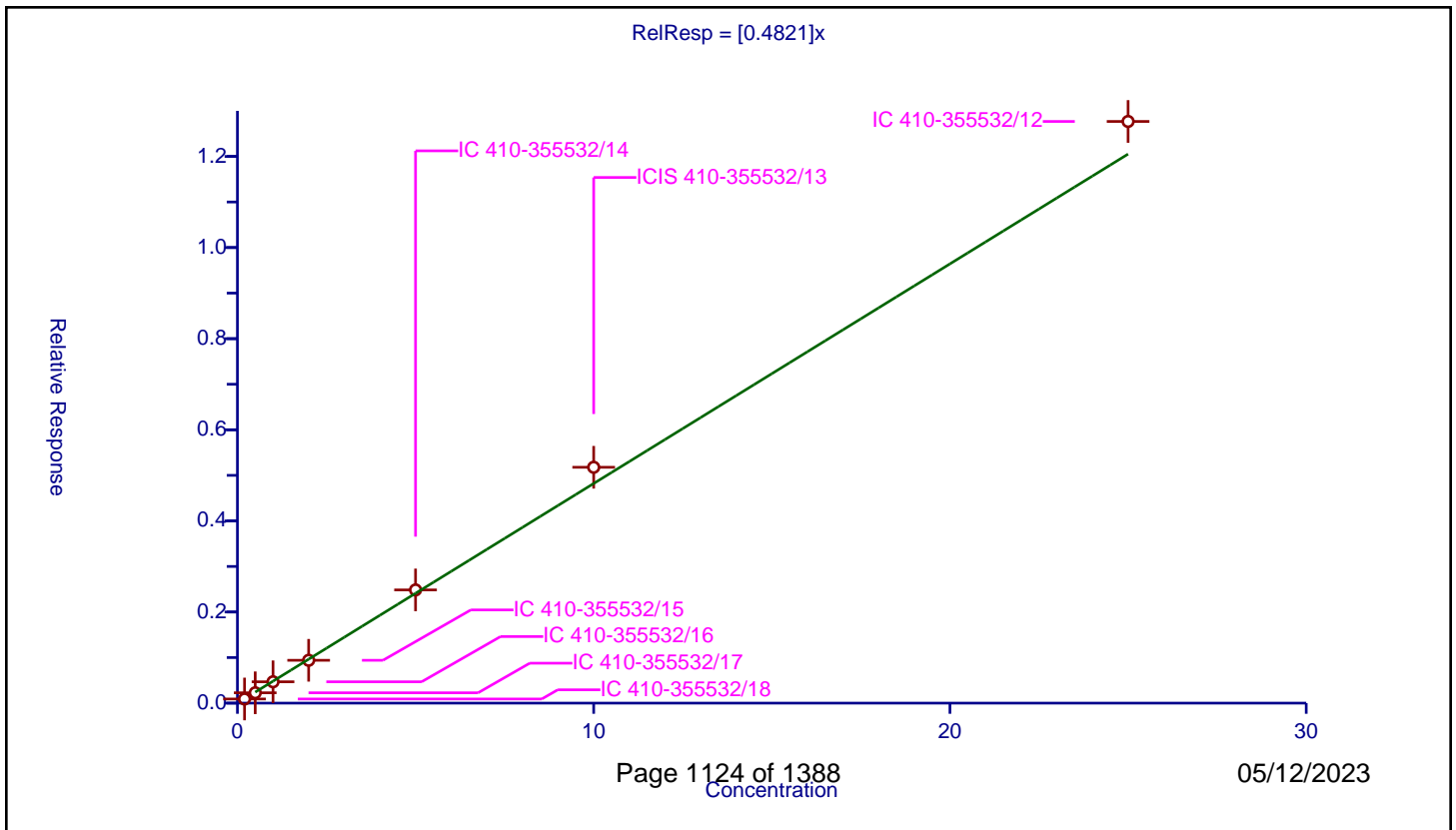
/ trans-1,3-Dichloropropene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4821

Error Coefficients	
Standard Error:	1100000
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 410-355532/18	0.2	0.091189	10.0	1770499.0	0.455945	Y
2	IC 410-355532/17	0.5	0.227407	10.0	1779098.0	0.454815	Y
3	IC 410-355532/16	1.0	0.468306	10.0	1818962.0	0.468306	Y
4	IC 410-355532/15	2.0	0.940199	10.0	1844928.0	0.4701	Y
5	IC 410-355532/14	5.0	2.485103	10.0	1885942.0	0.497021	Y
6	ICIS 410-355532/13	10.0	5.176954	10.0	1886594.0	0.517695	Y
7	IC 410-355532/12	25.0	12.768187	10.0	1936058.0	0.510727	Y



Calibration

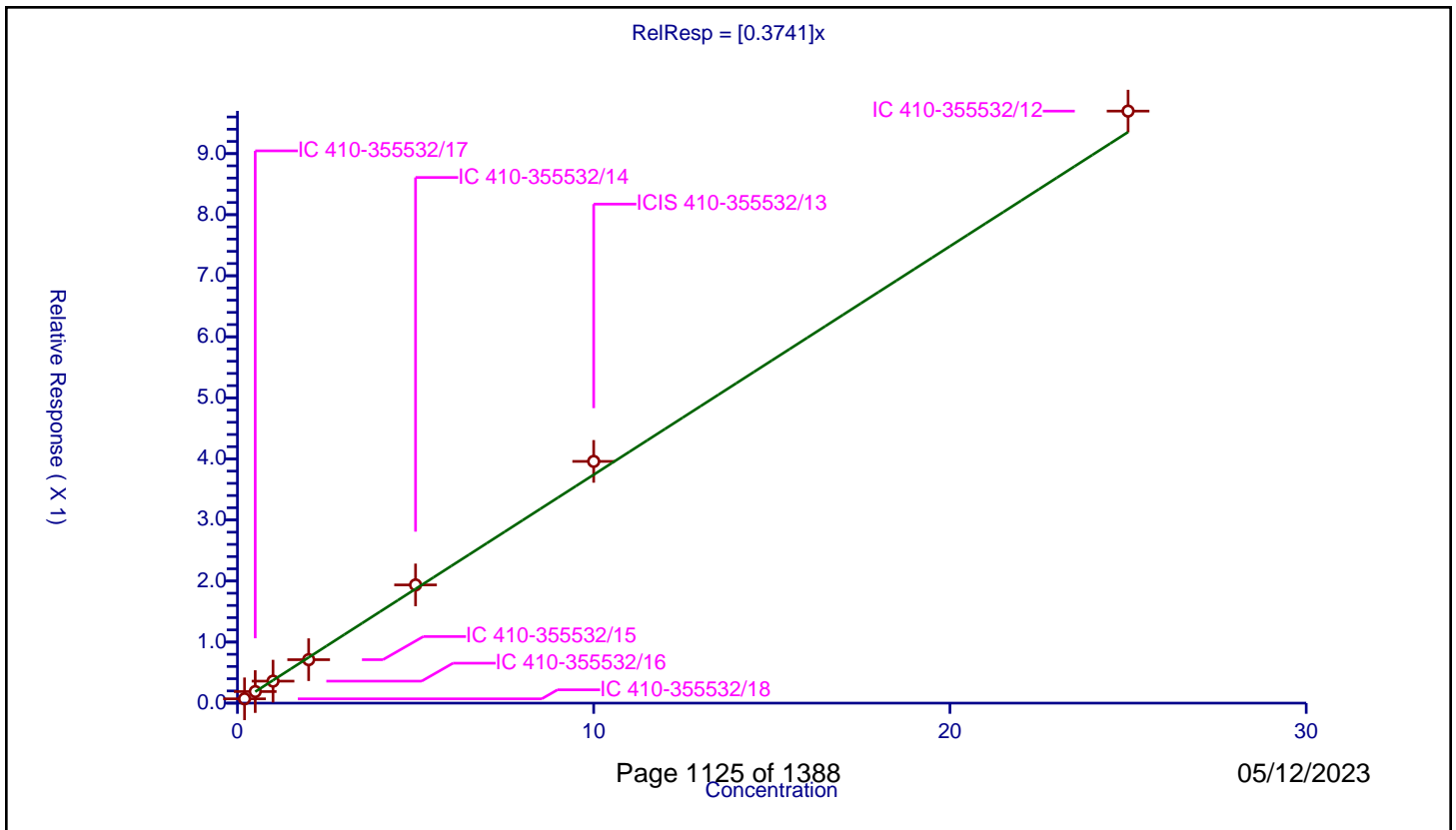
/ Ethyl methacrylate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3741

Error Coefficients	
Standard Error:	840000
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 410-355532/18	0.2	0.070489	10.0	1770499.0	0.352443	Y
2	IC 410-355532/17	0.5	0.189748	10.0	1779098.0	0.379496	Y
3	IC 410-355532/16	1.0	0.360134	10.0	1818962.0	0.360134	Y
4	IC 410-355532/15	2.0	0.711638	10.0	1844928.0	0.355819	Y
5	IC 410-355532/14	5.0	1.936226	10.0	1885942.0	0.387245	Y
6	ICIS 410-355532/13	10.0	3.959283	10.0	1886594.0	0.395928	Y
7	IC 410-355532/12	25.0	9.696662	10.0	1936058.0	0.387866	Y



Calibration

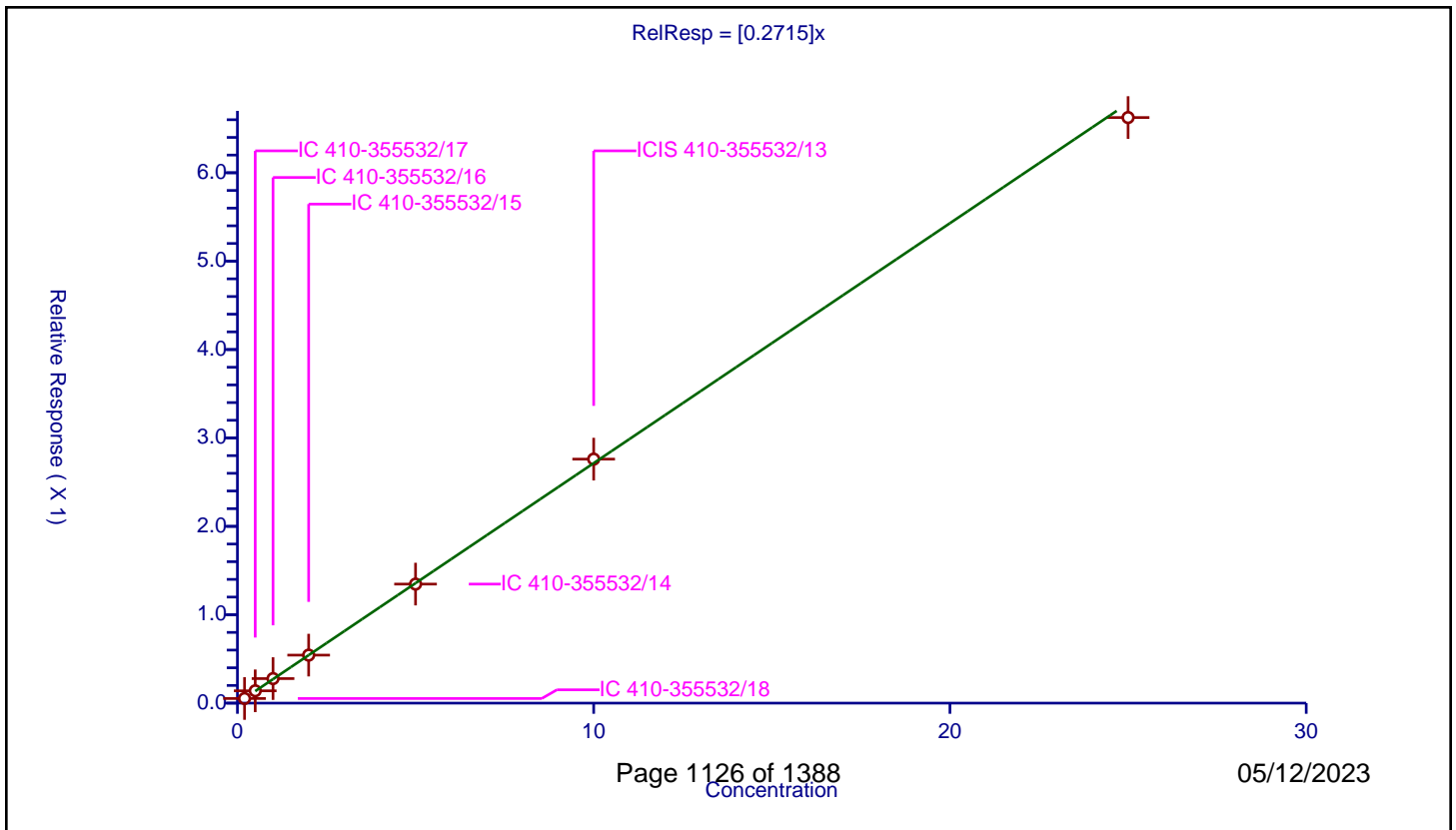
/ 1,1,2-Trichloroethane

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:	576000
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 410-355532/18	0.2	0.052324	10.0	1770499.0	0.261621	Y
2	IC 410-355532/17	0.5	0.139492	10.0	1779098.0	0.278984	Y
3	IC 410-355532/16	1.0	0.277664	10.0	1818962.0	0.277664	Y
4	IC 410-355532/15	2.0	0.54317	10.0	1844928.0	0.271585	Y
5	IC 410-355532/14	5.0	1.346802	10.0	1885942.0	0.26936	Y
6	ICIS 410-355532/13	10.0	2.760472	10.0	1886594.0	0.276047	Y
7	IC 410-355532/12	25.0	6.62461	10.0	1936058.0	0.264984	Y



Calibration

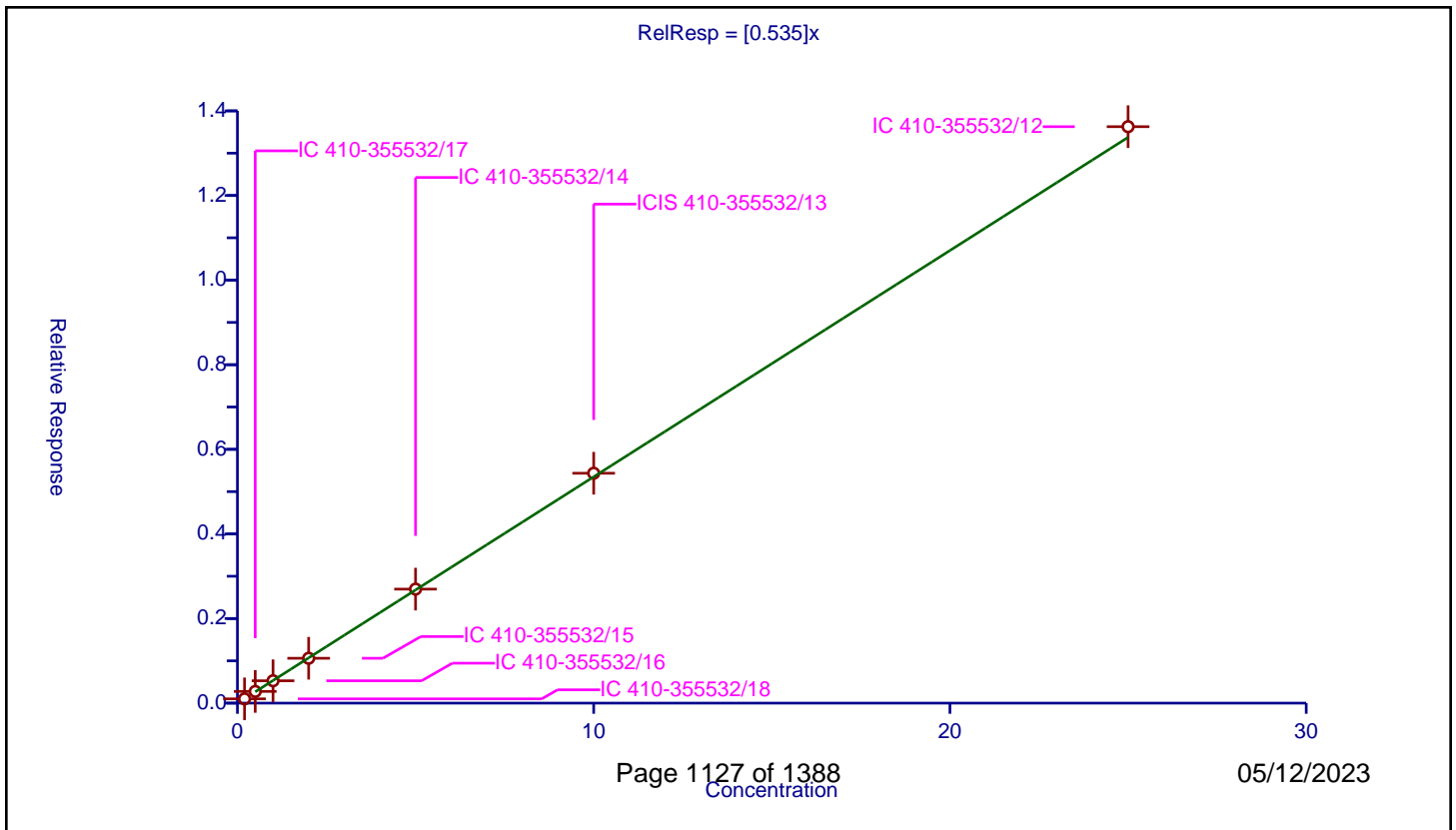
/ Tetrachloroethene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.535

Error Coefficients	
Standard Error:	1180000
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 410-355532/18	0.2	0.101158	10.0	1770499.0	0.50579	Y
2	IC 410-355532/17	0.5	0.27655	10.0	1779098.0	0.553101	Y
3	IC 410-355532/16	1.0	0.528345	10.0	1818962.0	0.528345	Y
4	IC 410-355532/15	2.0	1.060388	10.0	1844928.0	0.530194	Y
5	IC 410-355532/14	5.0	2.695019	10.0	1885942.0	0.539004	Y
6	ICIS 410-355532/13	10.0	5.43454	10.0	1886594.0	0.543454	Y
7	IC 410-355532/12	25.0	13.626849	10.0	1936058.0	0.545074	Y



Calibration

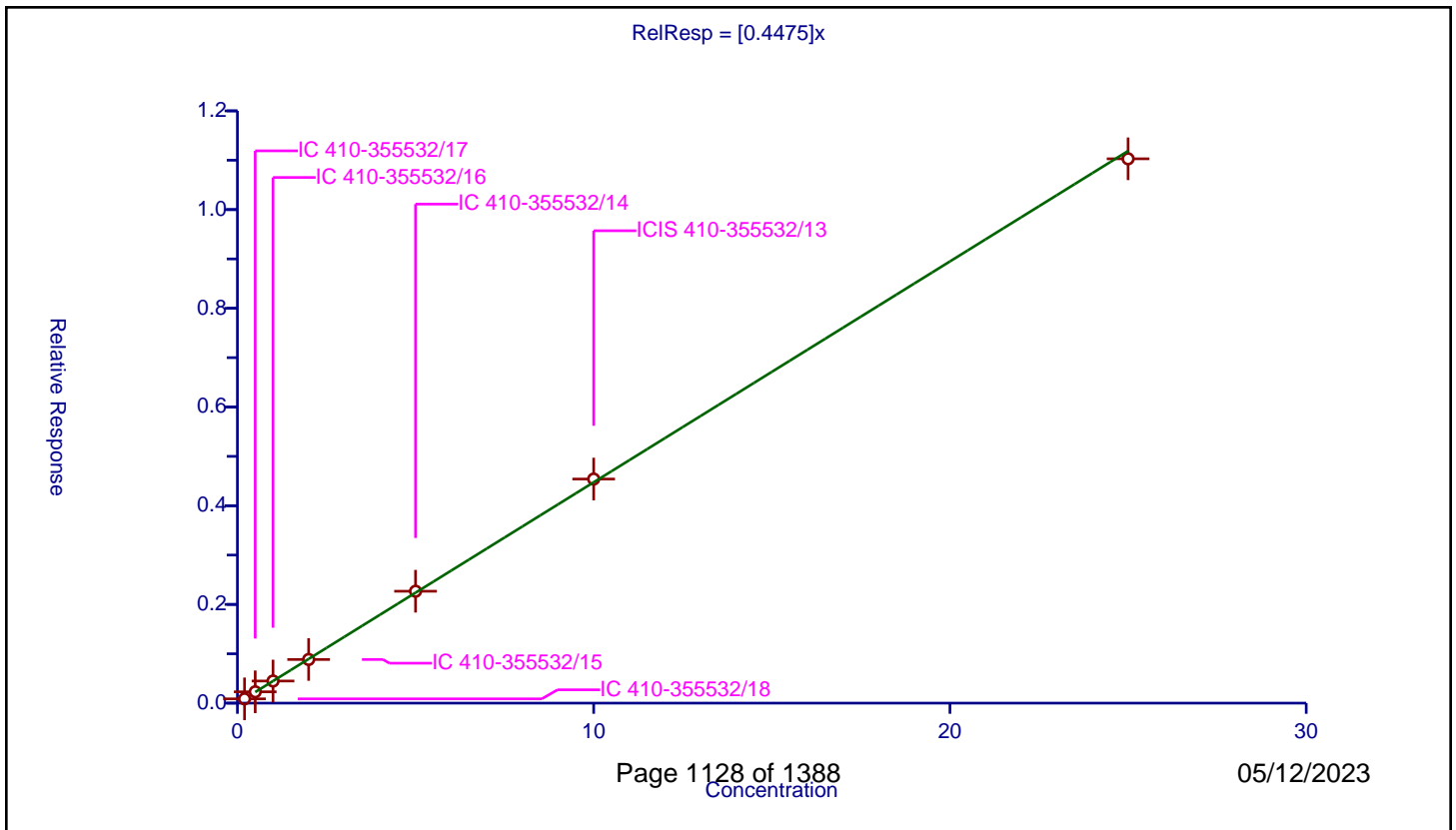
/ 1,3-Dichloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4475

Error Coefficients	
Standard Error:	958000
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 410-355532/18	0.2	0.086716	10.0	1770499.0	0.433578	Y
2	IC 410-355532/17	0.5	0.229836	10.0	1779098.0	0.459671	Y
3	IC 410-355532/16	1.0	0.4483	10.0	1818962.0	0.4483	Y
4	IC 410-355532/15	2.0	0.884262	10.0	1844928.0	0.442131	Y
5	IC 410-355532/14	5.0	2.267541	10.0	1885942.0	0.453508	Y
6	ICIS 410-355532/13	10.0	4.540521	10.0	1886594.0	0.454052	Y
7	IC 410-355532/12	25.0	11.029039	10.0	1936058.0	0.441162	Y



Calibration

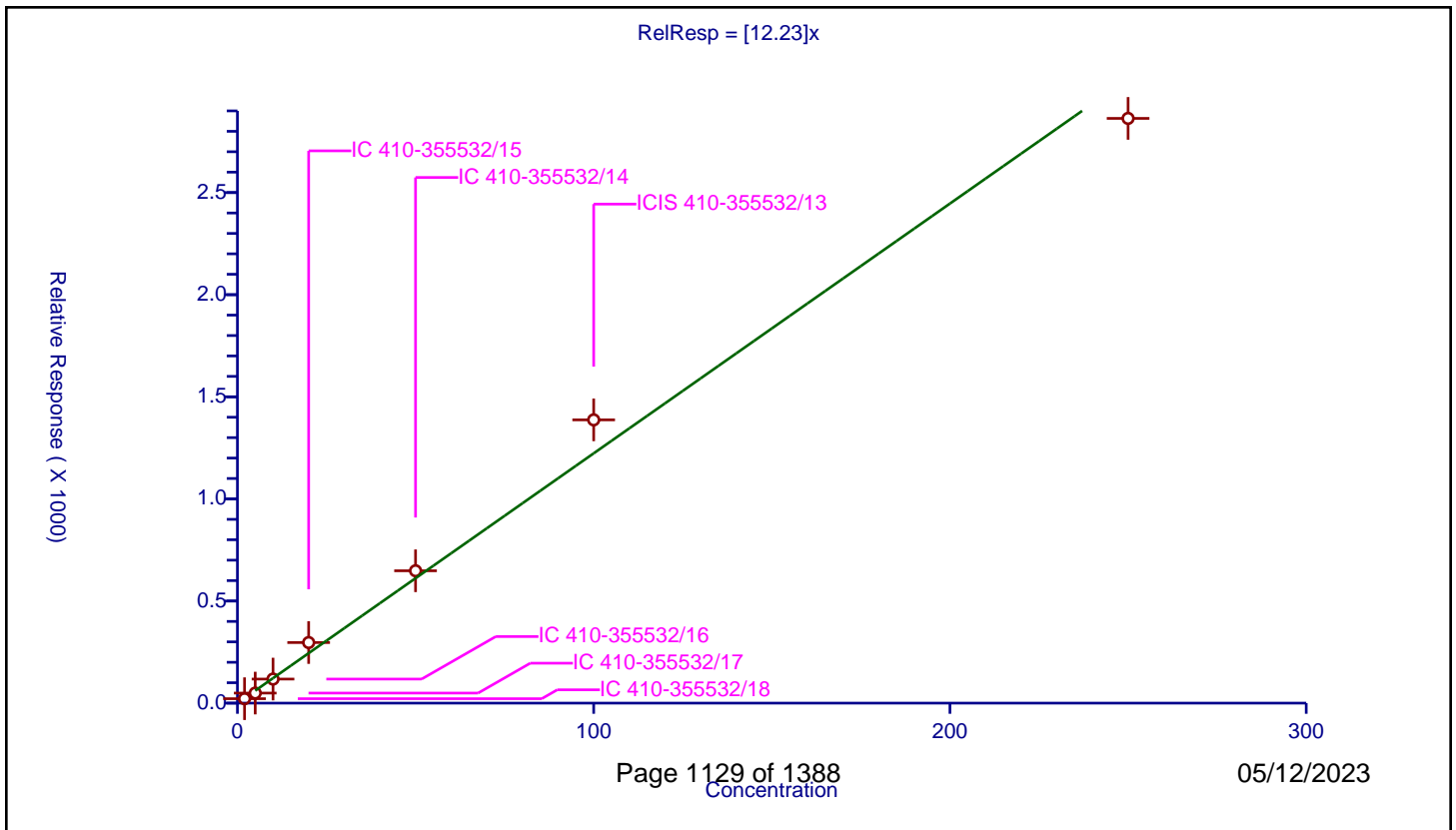
/ 2-Hexanone

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	12.23

Error Coefficients	
Standard Error:	3640000
Relative Standard Error:	14.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	2.0	21.731978	50.0	126445.0	10.865989	Y
2	IC 410-355532/17	5.0	49.241003	50.0	153492.0	9.848201	Y
3	IC 410-355532/16	10.0	117.85677	50.0	134008.0	11.785677	Y
4	IC 410-355532/15	20.0	296.574872	50.0	97646.0	14.828744	Y
5	IC 410-355532/14	50.0	648.136495	50.0	125221.0	12.96273	Y
6	ICIS 410-355532/13	100.0	1387.05645	50.0	120956.0	13.870565	Y
7	IC 410-355532/12	250.0	2863.199104	50.0	141127.0	11.452796	Y



Calibration

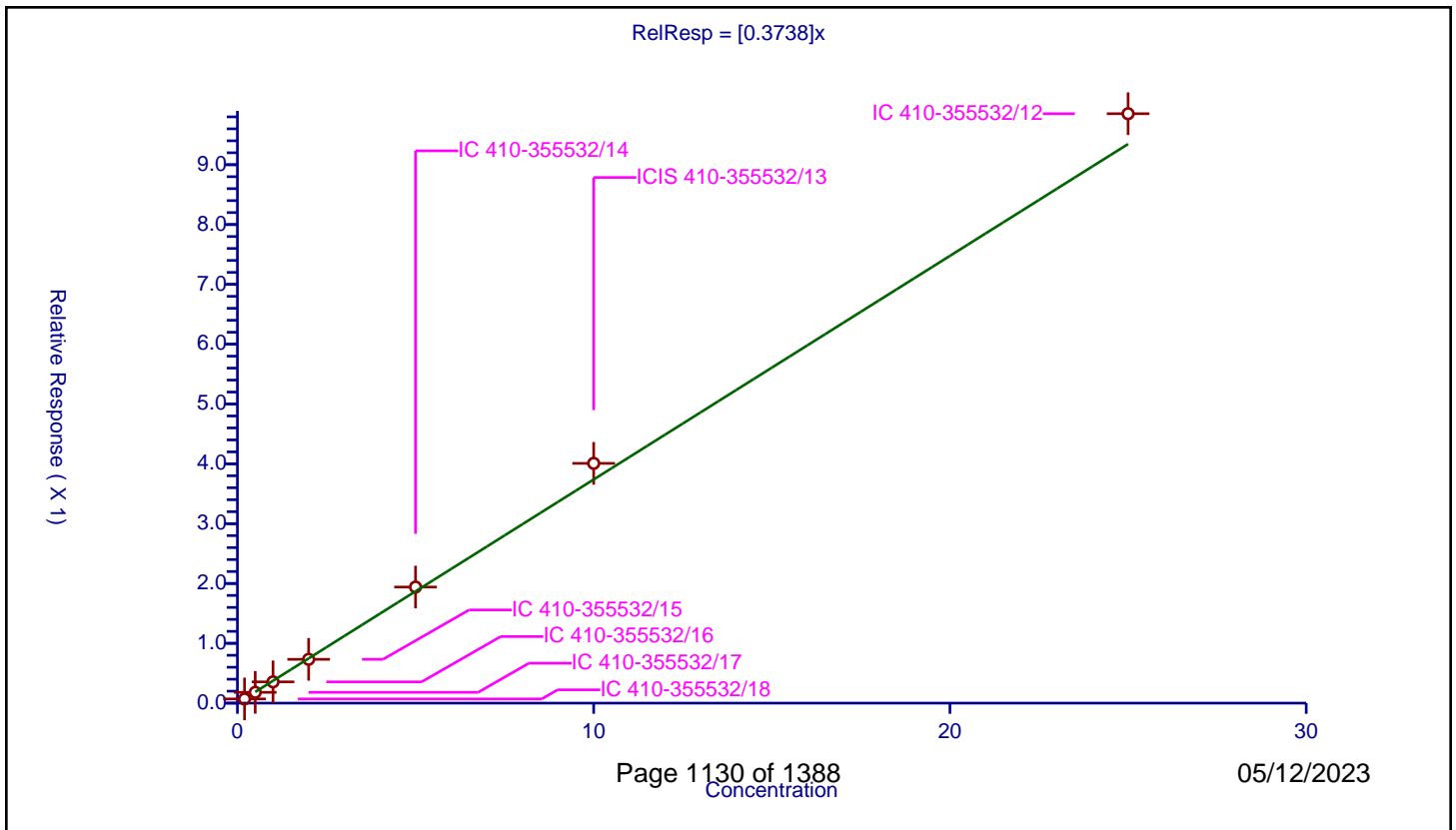
/ Chlorodibromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3738

Error Coefficients	
Standard Error:	853000
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 410-355532/18	0.2	0.070121	10.0	1770499.0	0.350607	Y
2	IC 410-355532/17	0.5	0.180676	10.0	1779098.0	0.361352	Y
3	IC 410-355532/16	1.0	0.355703	10.0	1818962.0	0.355703	Y
4	IC 410-355532/15	2.0	0.732338	10.0	1844928.0	0.366169	Y
5	IC 410-355532/14	5.0	1.94041	10.0	1885942.0	0.388082	Y
6	ICIS 410-355532/13	10.0	4.00808	10.0	1886594.0	0.400808	Y
7	IC 410-355532/12	25.0	9.852727	10.0	1936058.0	0.394109	Y



Calibration

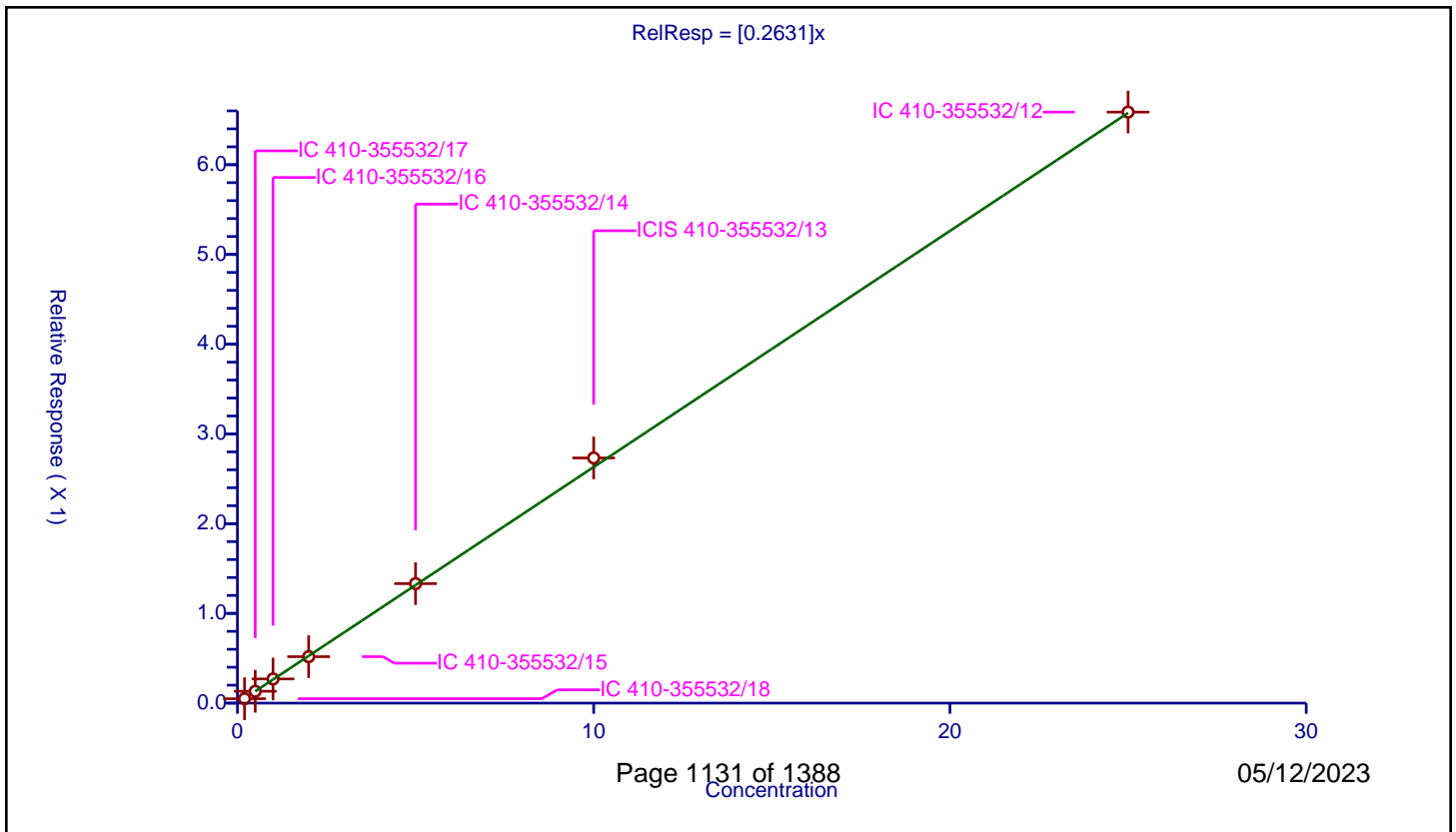
/ Ethylene Dibromide

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2631

Error Coefficients	
Standard Error:	573000
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 410-355532/18	0.2	0.049212	10.0	1770499.0	0.246061	Y
2	IC 410-355532/17	0.5	0.13223	10.0	1779098.0	0.26446	Y
3	IC 410-355532/16	1.0	0.269357	10.0	1818962.0	0.269357	Y
4	IC 410-355532/15	2.0	0.517711	10.0	1844928.0	0.258856	Y
5	IC 410-355532/14	5.0	1.331738	10.0	1885942.0	0.266348	Y
6	ICIS 410-355532/13	10.0	2.732326	10.0	1886594.0	0.273233	Y
7	IC 410-355532/12	25.0	6.586703	10.0	1936058.0	0.263468	Y



Calibration

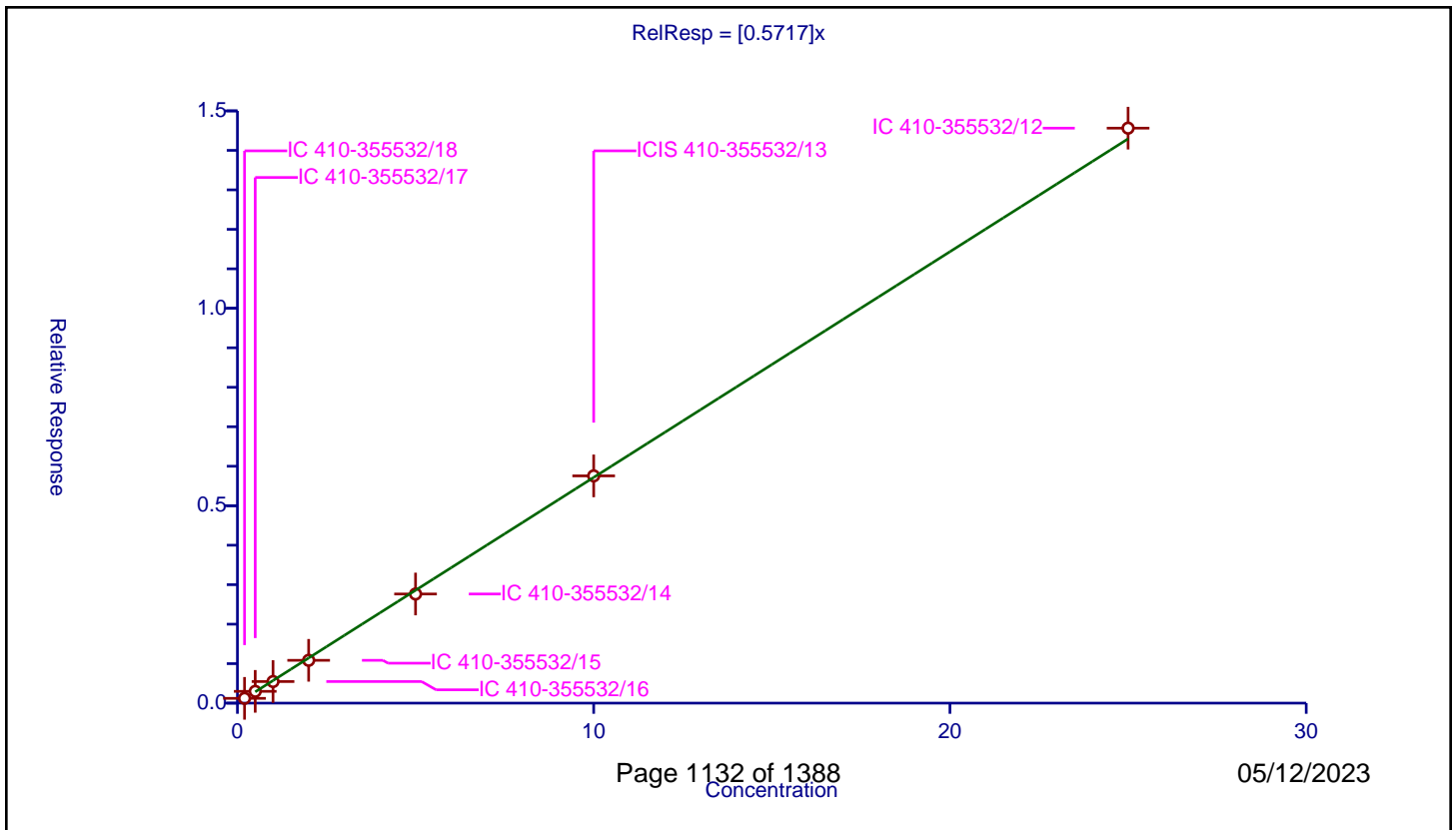
/ 1-Chlorohexane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5717

Error Coefficients	
Standard Error:	1260000
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 410-355532/18	0.2	0.120988	10.0	1770499.0	0.604942	Y
2	IC 410-355532/17	0.5	0.298505	10.0	1779098.0	0.59701	Y
3	IC 410-355532/16	1.0	0.546619	10.0	1818962.0	0.546619	Y
4	IC 410-355532/15	2.0	1.084552	10.0	1844928.0	0.542276	Y
5	IC 410-355532/14	5.0	2.764343	10.0	1885942.0	0.552869	Y
6	ICIS 410-355532/13	10.0	5.755822	10.0	1886594.0	0.575582	Y
7	IC 410-355532/12	25.0	14.562859	10.0	1936058.0	0.582514	Y



Calibration

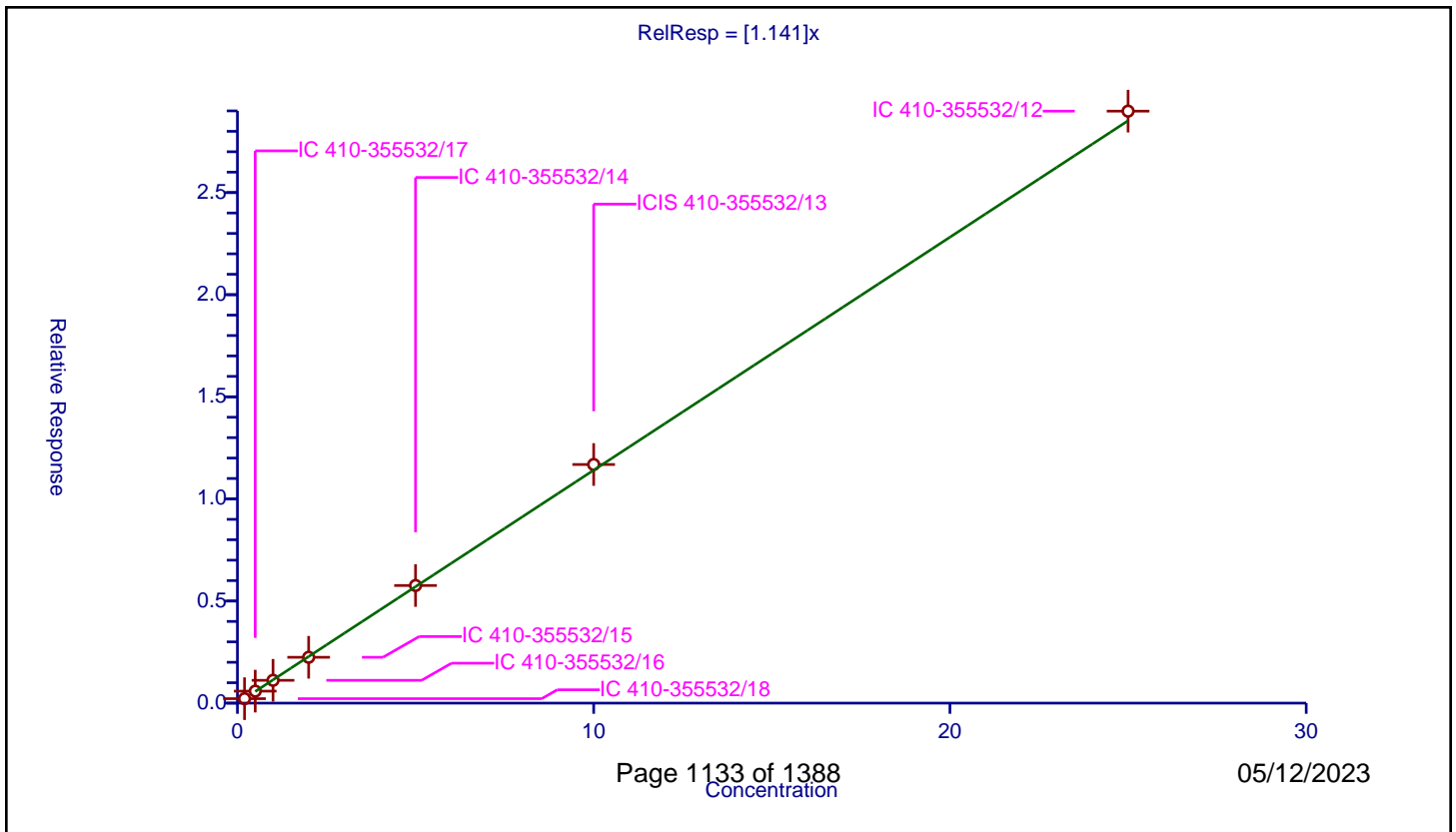
/ Chlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.141

Error Coefficients	
Standard Error:	2510000
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 410-355532/18	0.2	0.218306	10.0	1770499.0	1.091528	Y
2	IC 410-355532/17	0.5	0.587511	10.0	1779098.0	1.175022	Y
3	IC 410-355532/16	1.0	1.116466	10.0	1818962.0	1.116466	Y
4	IC 410-355532/15	2.0	2.244841	10.0	1844928.0	1.12242	Y
5	IC 410-355532/14	5.0	5.760357	10.0	1885942.0	1.152071	Y
6	ICIS 410-355532/13	10.0	11.684533	10.0	1886594.0	1.168453	Y
7	IC 410-355532/12	25.0	28.988	10.0	1936058.0	1.15952	Y



Calibration

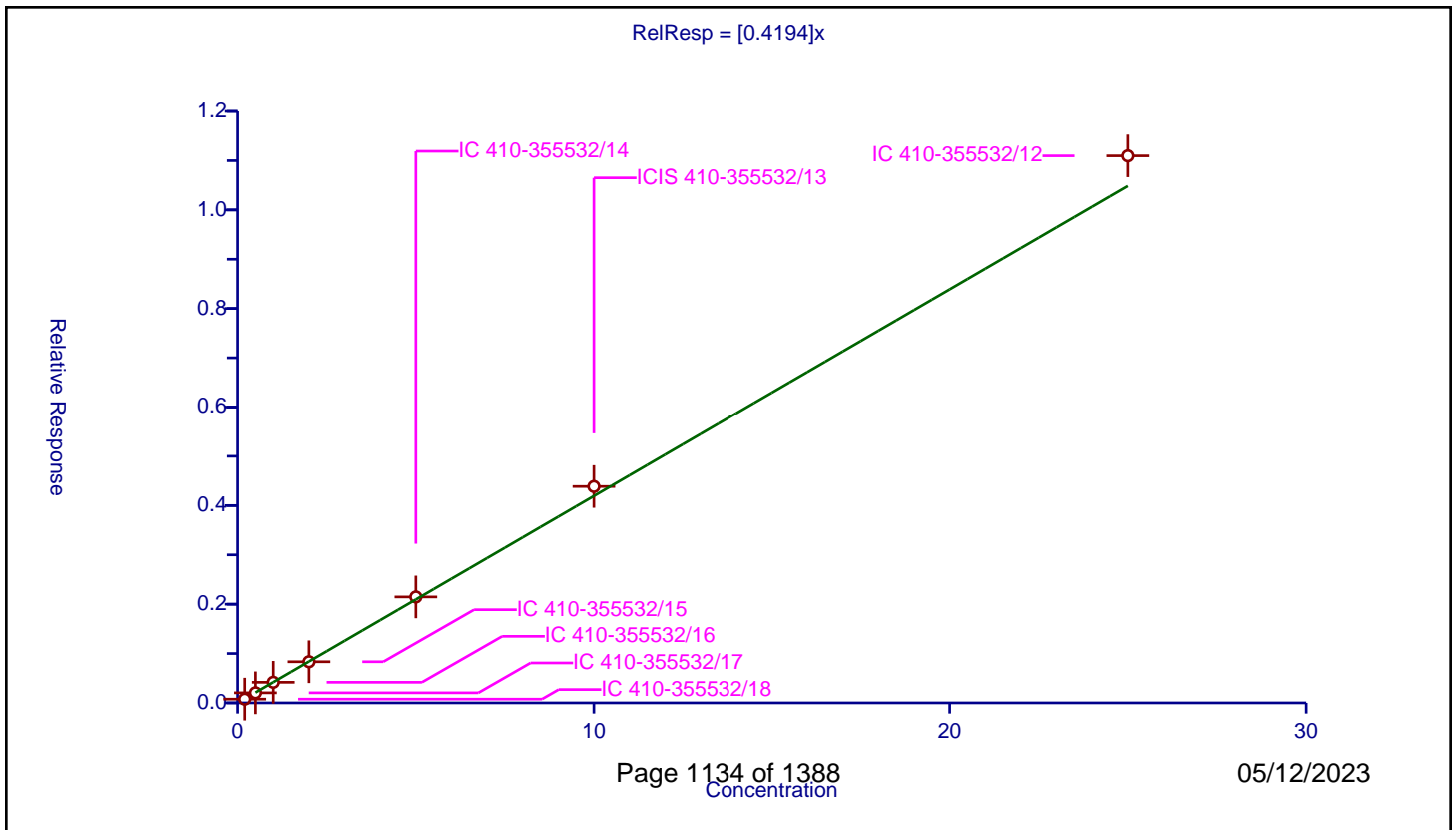
/ 1,1,1,2-Tetrachloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4194

Error Coefficients	
Standard Error:	957000
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 410-355532/18	0.2	0.076182	10.0	1770499.0	0.38091	Y
2	IC 410-355532/17	0.5	0.204474	10.0	1779098.0	0.408949	Y
3	IC 410-355532/16	1.0	0.417172	10.0	1818962.0	0.417172	Y
4	IC 410-355532/15	2.0	0.833344	10.0	1844928.0	0.416672	Y
5	IC 410-355532/14	5.0	2.147802	10.0	1885942.0	0.42956	Y
6	ICIS 410-355532/13	10.0	4.387054	10.0	1886594.0	0.438705	Y
7	IC 410-355532/12	25.0	11.097622	10.0	1936058.0	0.443905	Y



Calibration

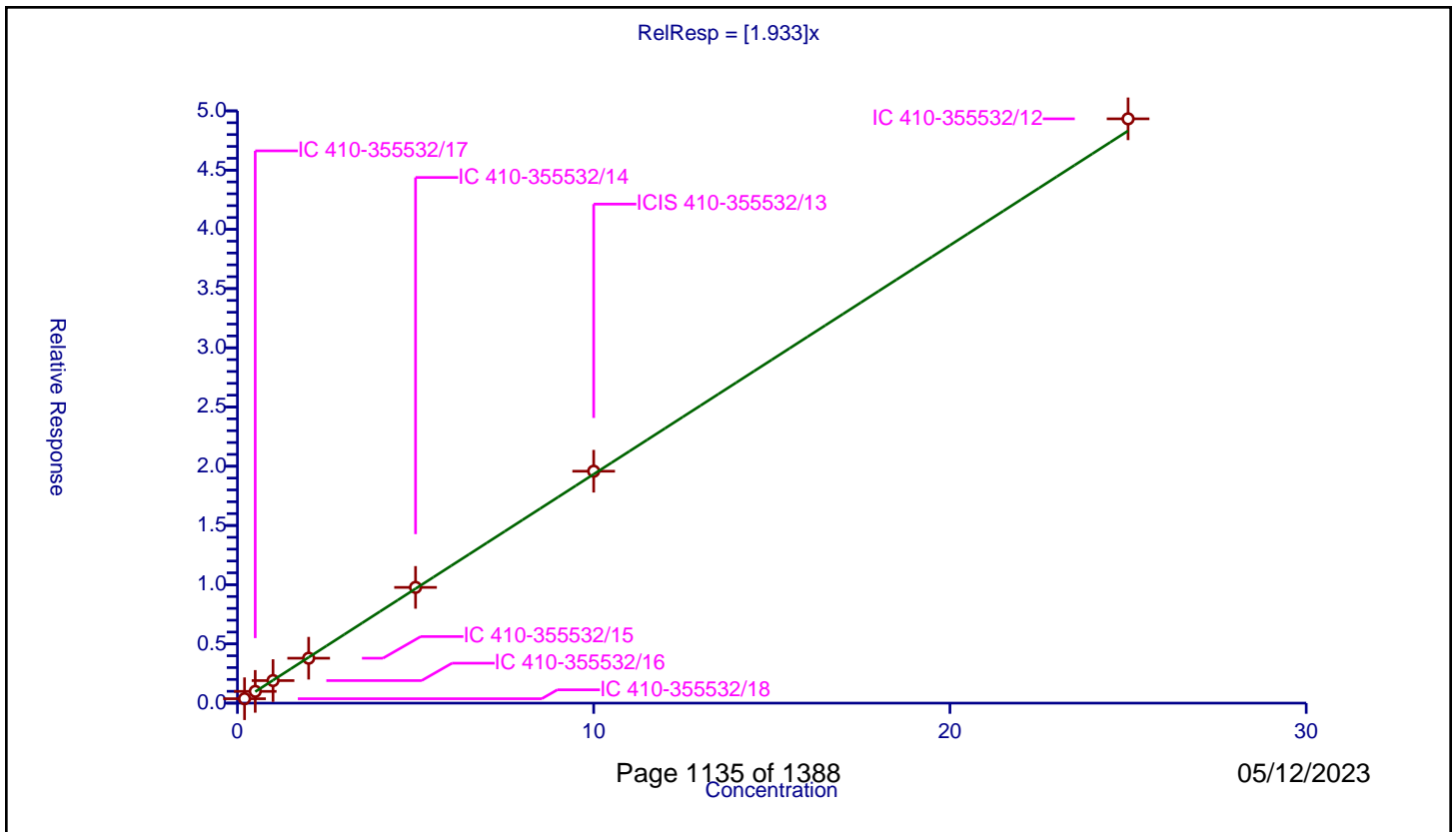
/ Ethylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.933

Error Coefficients	
Standard Error:	4260000
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 410-355532/18	0.2	0.371641	10.0	1770499.0	1.858205	Y
2	IC 410-355532/17	0.5	0.992733	10.0	1779098.0	1.985467	Y
3	IC 410-355532/16	1.0	1.903723	10.0	1818962.0	1.903723	Y
4	IC 410-355532/15	2.0	3.79224	10.0	1844928.0	1.89612	Y
5	IC 410-355532/14	5.0	9.770534	10.0	1885942.0	1.954107	Y
6	ICIS 410-355532/13	10.0	19.580307	10.0	1886594.0	1.958031	Y
7	IC 410-355532/12	25.0	49.329462	10.0	1936058.0	1.973178	Y



Calibration

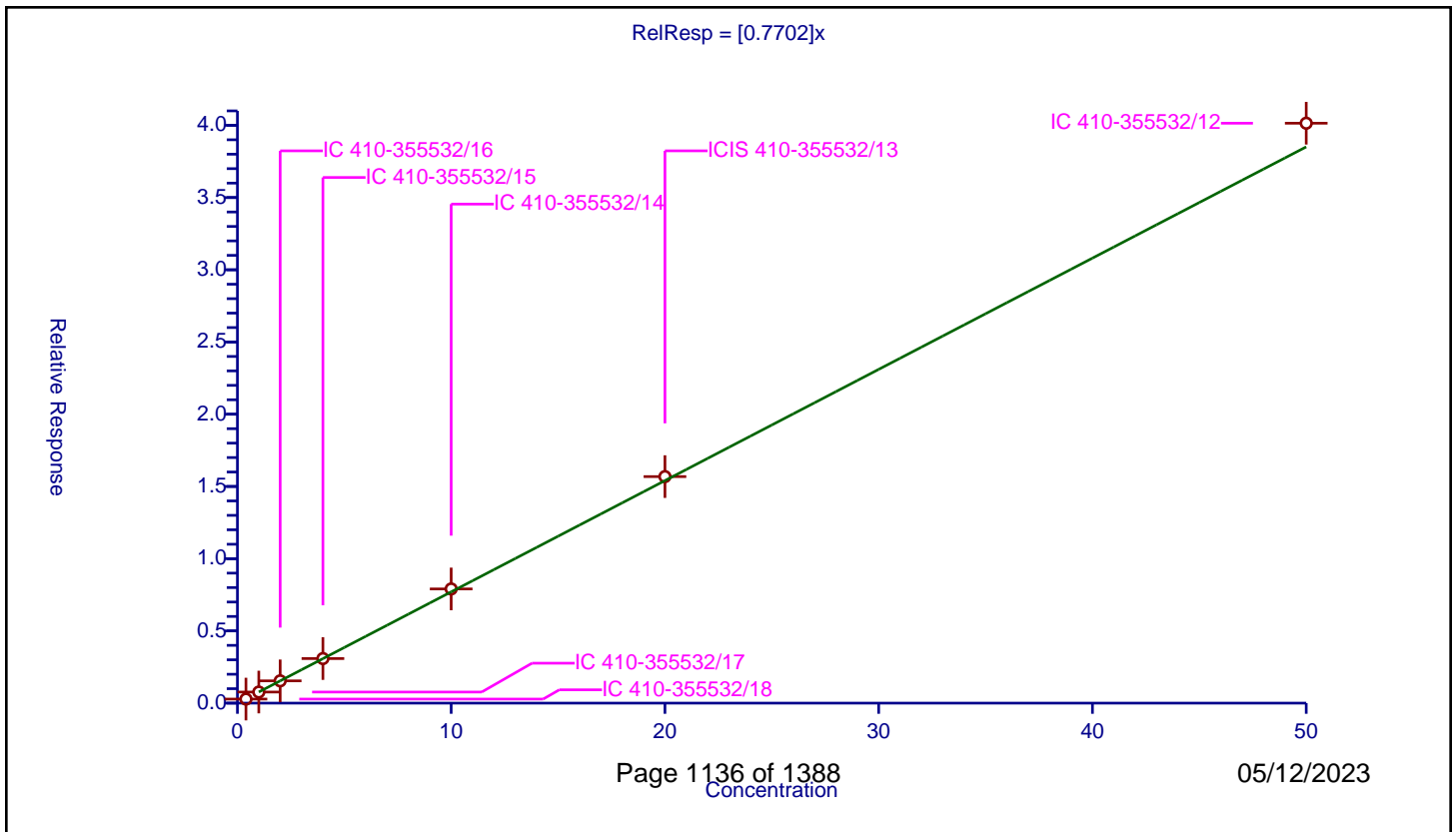
/ m-Xylene & p-Xylene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.7702

Error Coefficients	
Standard Error:	3460000
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 410-355532/18	0.4	0.281158	10.0	1770499.0	0.702895	Y
2	IC 410-355532/17	1.0	0.767816	10.0	1779098.0	0.767816	Y
3	IC 410-355532/16	2.0	1.542506	10.0	1818962.0	0.771253	Y
4	IC 410-355532/15	4.0	3.086337	10.0	1844928.0	0.771584	Y
5	IC 410-355532/14	10.0	7.905604	10.0	1885942.0	0.79056	Y
6	ICIS 410-355532/13	20.0	15.682786	10.0	1886594.0	0.784139	Y
7	IC 410-355532/12	50.0	40.145683	10.0	1936058.0	0.802914	Y



Calibration

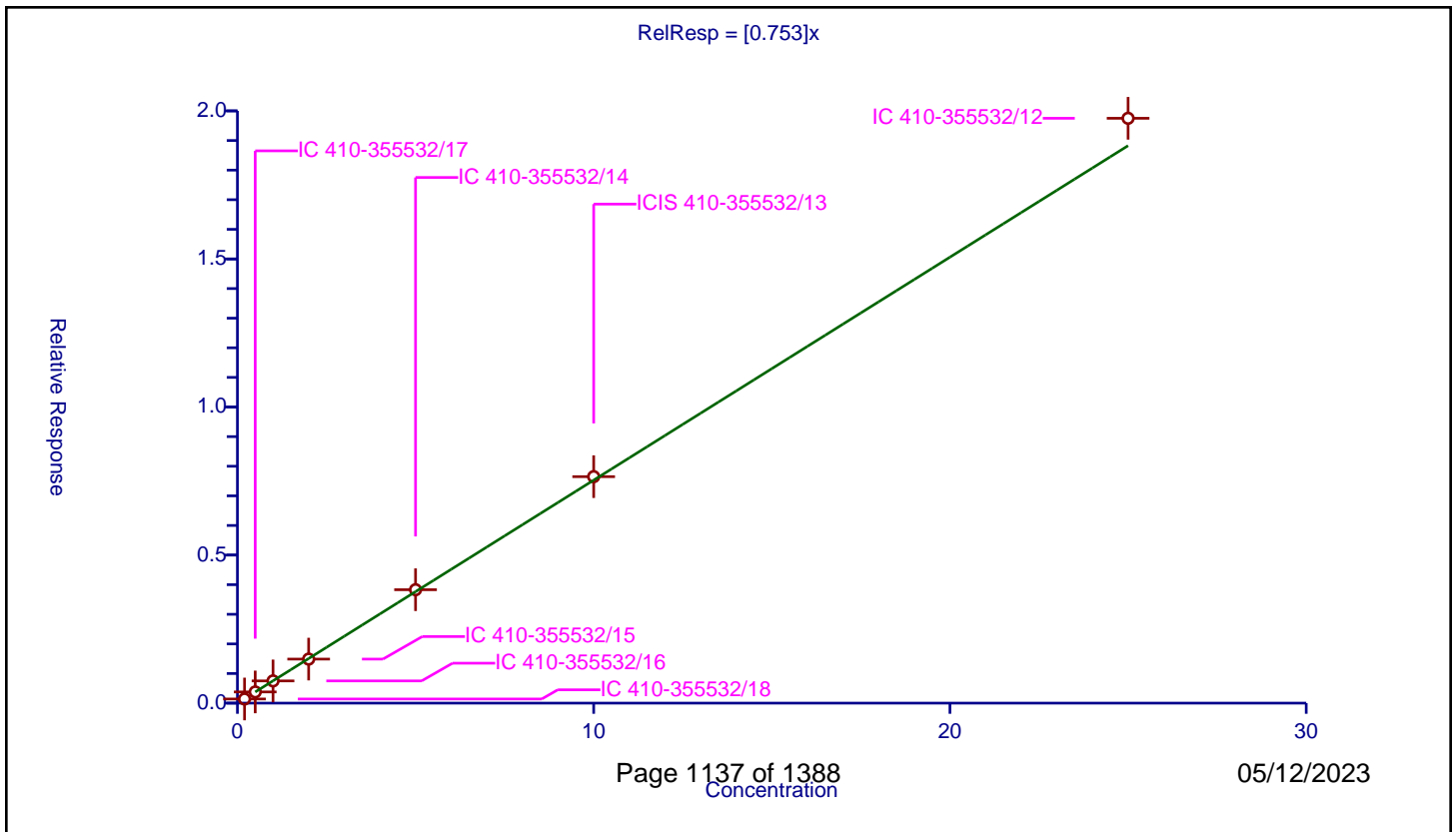
/ o-Xylene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.753

Error Coefficients	
Standard Error:	1700000
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 410-355532/18	0.2	0.139729	10.0	1770499.0	0.698645	Y
2	IC 410-355532/17	0.5	0.378501	10.0	1779098.0	0.757002	Y
3	IC 410-355532/16	1.0	0.750928	10.0	1818962.0	0.750928	Y
4	IC 410-355532/15	2.0	1.487153	10.0	1844928.0	0.743576	Y
5	IC 410-355532/14	5.0	3.830075	10.0	1885942.0	0.766015	Y
6	ICIS 410-355532/13	10.0	7.648328	10.0	1886594.0	0.764833	Y
7	IC 410-355532/12	25.0	19.749687	10.0	1936058.0	0.789987	Y



Calibration

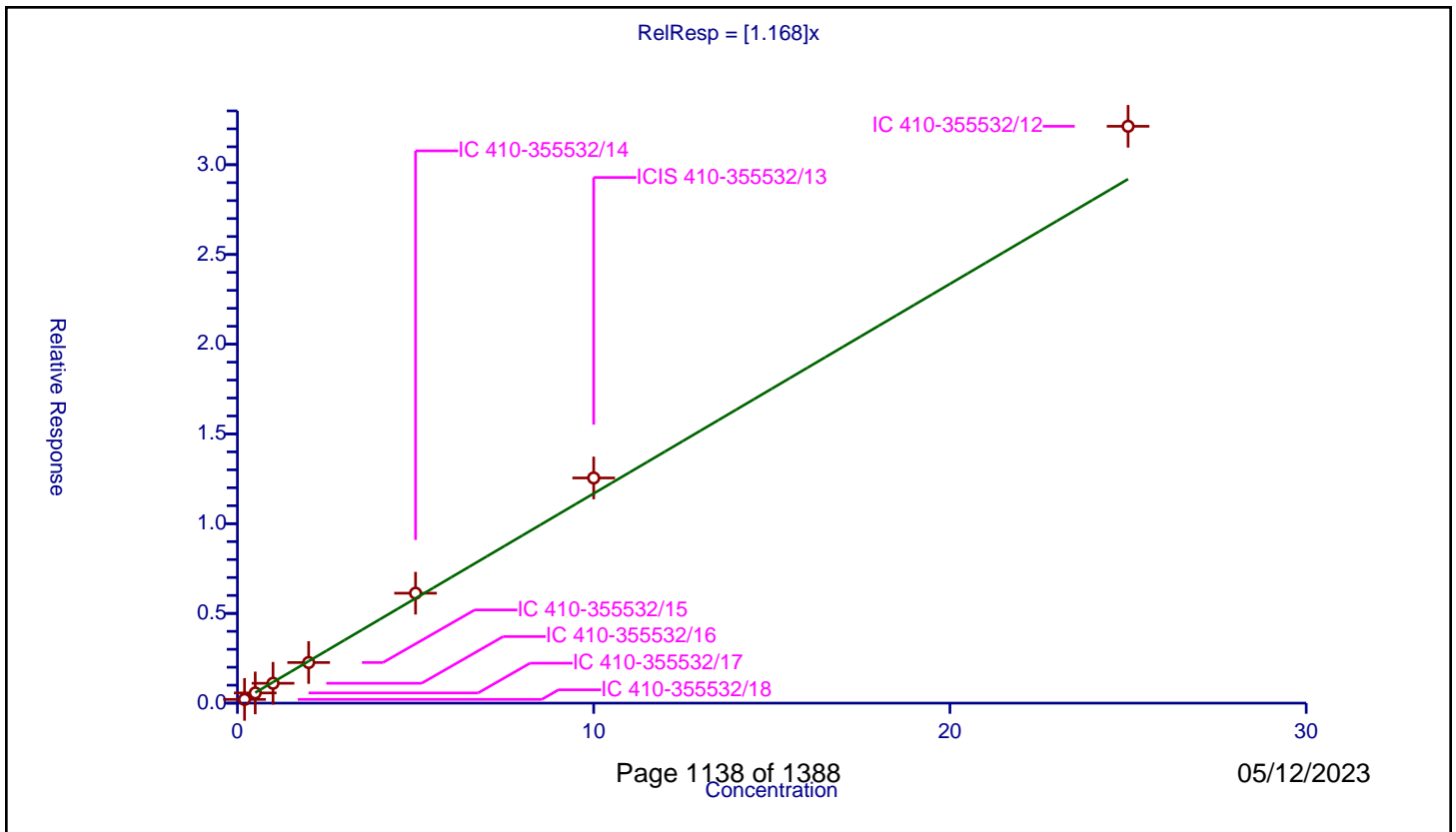
/ Styrene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.168

Error Coefficients	
Standard Error:	2770000
Relative Standard Error:	7.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.207156	10.0	1770499.0	1.035781	Y
2	IC 410-355532/17	0.5	0.568316	10.0	1779098.0	1.136632	Y
3	IC 410-355532/16	1.0	1.106719	10.0	1818962.0	1.106719	Y
4	IC 410-355532/15	2.0	2.262045	10.0	1844928.0	1.131022	Y
5	IC 410-355532/14	5.0	6.125666	10.0	1885942.0	1.225133	Y
6	ICIS 410-355532/13	10.0	12.547225	10.0	1886594.0	1.254723	Y
7	IC 410-355532/12	25.0	32.142069	10.0	1936058.0	1.285683	Y



Calibration

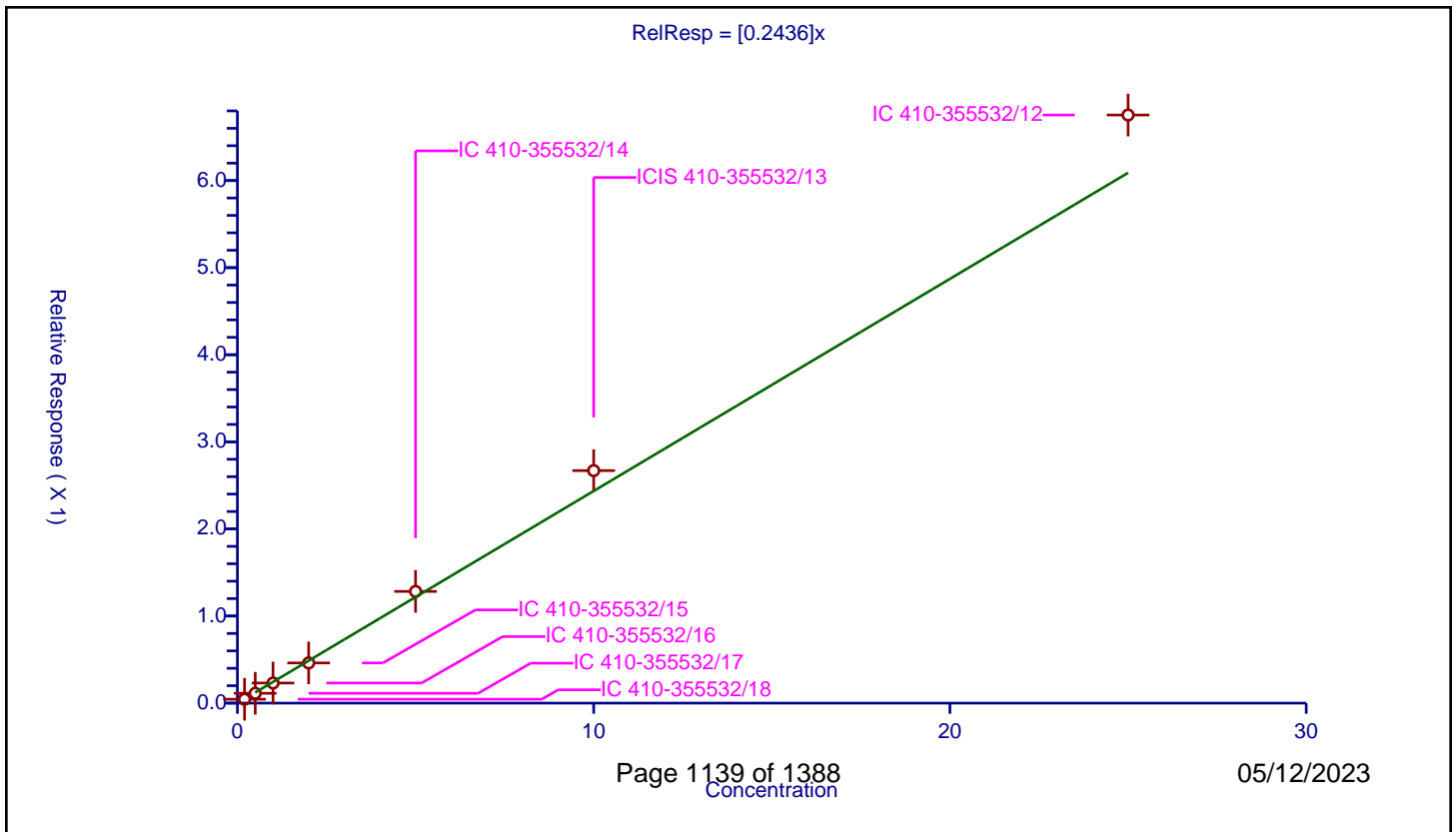
/ Bromoform

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2436

Error Coefficients	
Standard Error:	582000
Relative Standard Error:	8.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.044773	10.0	1770499.0	0.223863	Y
2	IC 410-355532/17	0.5	0.1129	10.0	1779098.0	0.2258	Y
3	IC 410-355532/16	1.0	0.230895	10.0	1818962.0	0.230895	Y
4	IC 410-355532/15	2.0	0.46159	10.0	1844928.0	0.230795	Y
5	IC 410-355532/14	5.0	1.282563	10.0	1885942.0	0.256513	Y
6	ICIS 410-355532/13	10.0	2.669679	10.0	1886594.0	0.266968	Y
7	IC 410-355532/12	25.0	6.752489	10.0	1936058.0	0.2701	Y



Calibration

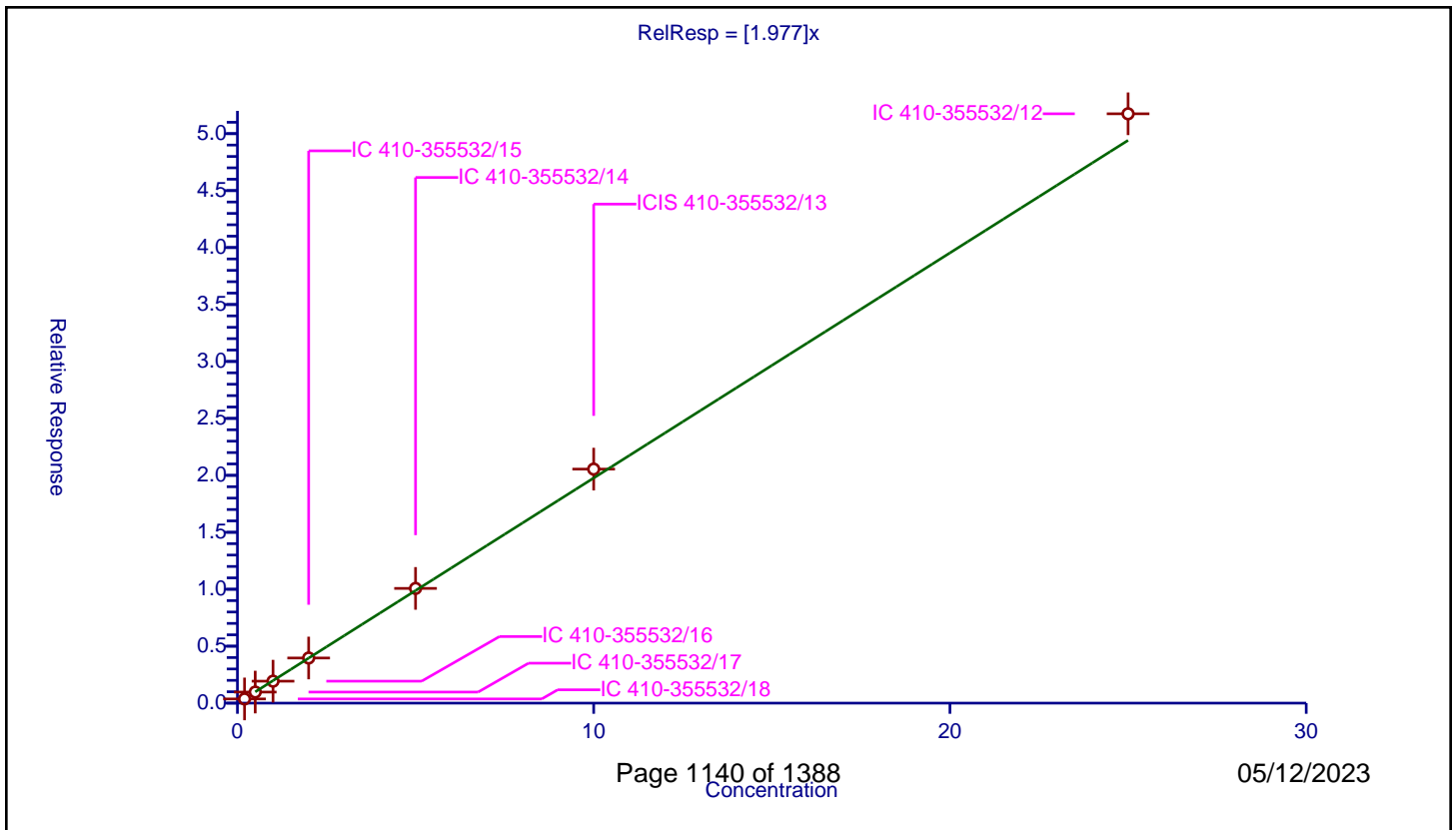
/ Isopropylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.977

Error Coefficients	
Standard Error:	4470000
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 410-355532/18	0.2	0.368484	10.0	1770499.0	1.842418	Y
2	IC 410-355532/17	0.5	0.972628	10.0	1779098.0	1.945255	Y
3	IC 410-355532/16	1.0	1.92794	10.0	1818962.0	1.92794	Y
4	IC 410-355532/15	2.0	3.962805	10.0	1844928.0	1.981403	Y
5	IC 410-355532/14	5.0	10.072171	10.0	1885942.0	2.014434	Y
6	ICIS 410-355532/13	10.0	20.547929	10.0	1886594.0	2.054793	Y
7	IC 410-355532/12	25.0	51.744003	10.0	1936058.0	2.06976	Y



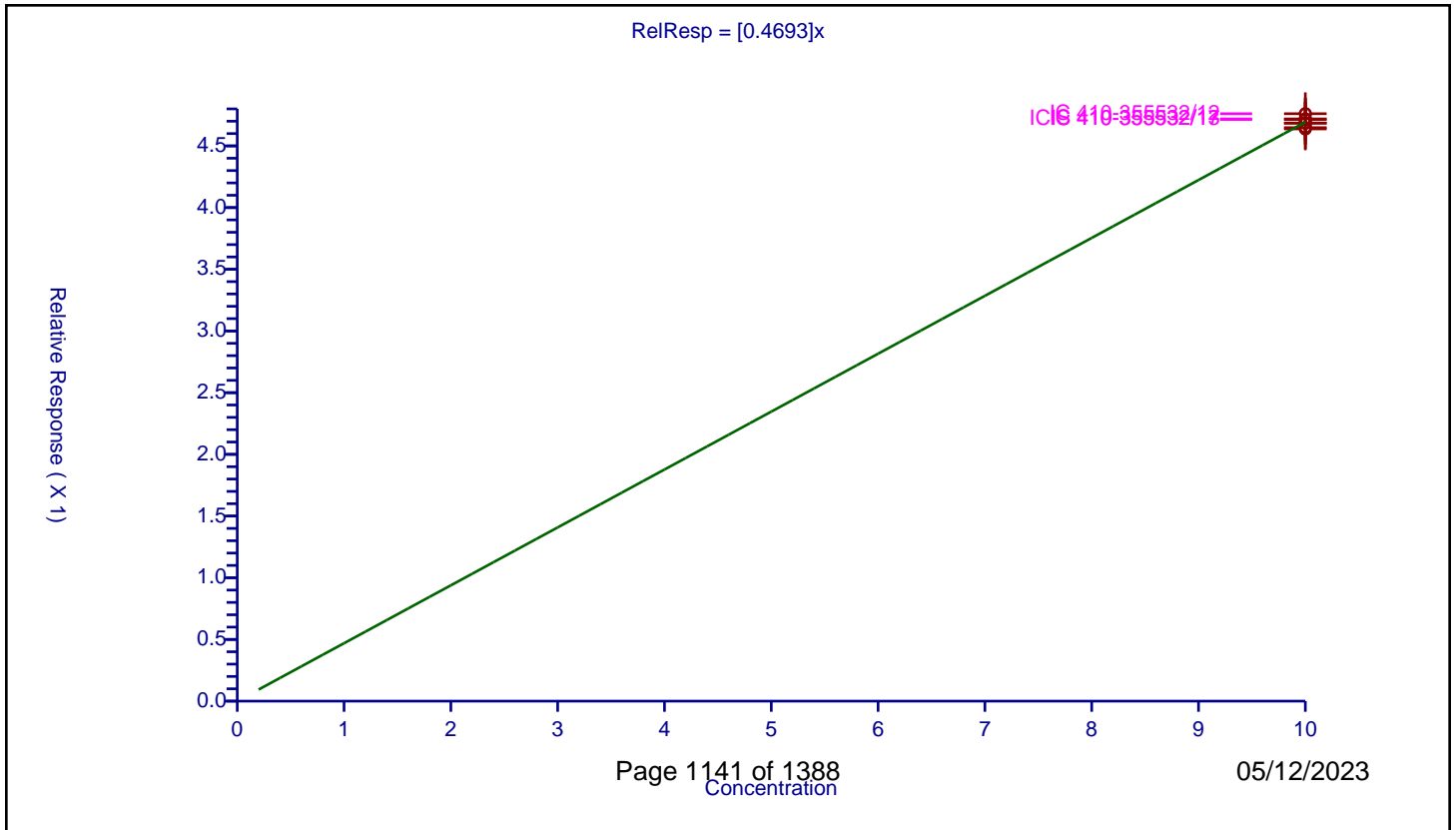
Calibration

/ 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:	0.4693
Error Coefficients	
Standard Error:	936000
Relative Standard Error:	0.9
Correlation Coefficient:	0.00000000000000000000
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/12	10.0	4.760999	10.0	1936058.0	0.4761	Y
2	ICIS 410-355532/13	10.0	4.714295	10.0	1886594.0	0.471429	Y
3	IC 410-355532/14	10.0	4.647943	10.0	1885942.0	0.464794	Y
4	IC 410-355532/15	10.0	4.637574	10.0	1844928.0	0.463757	Y
5	IC 410-355532/16	10.0	4.685337	10.0	1818962.0	0.468534	Y
6	IC 410-355532/17	10.0	4.718779	10.0	1779098.0	0.471878	Y
7	IC 410-355532/18	10.0	4.684261	10.0	1770499.0	0.468426	Y



Calibration

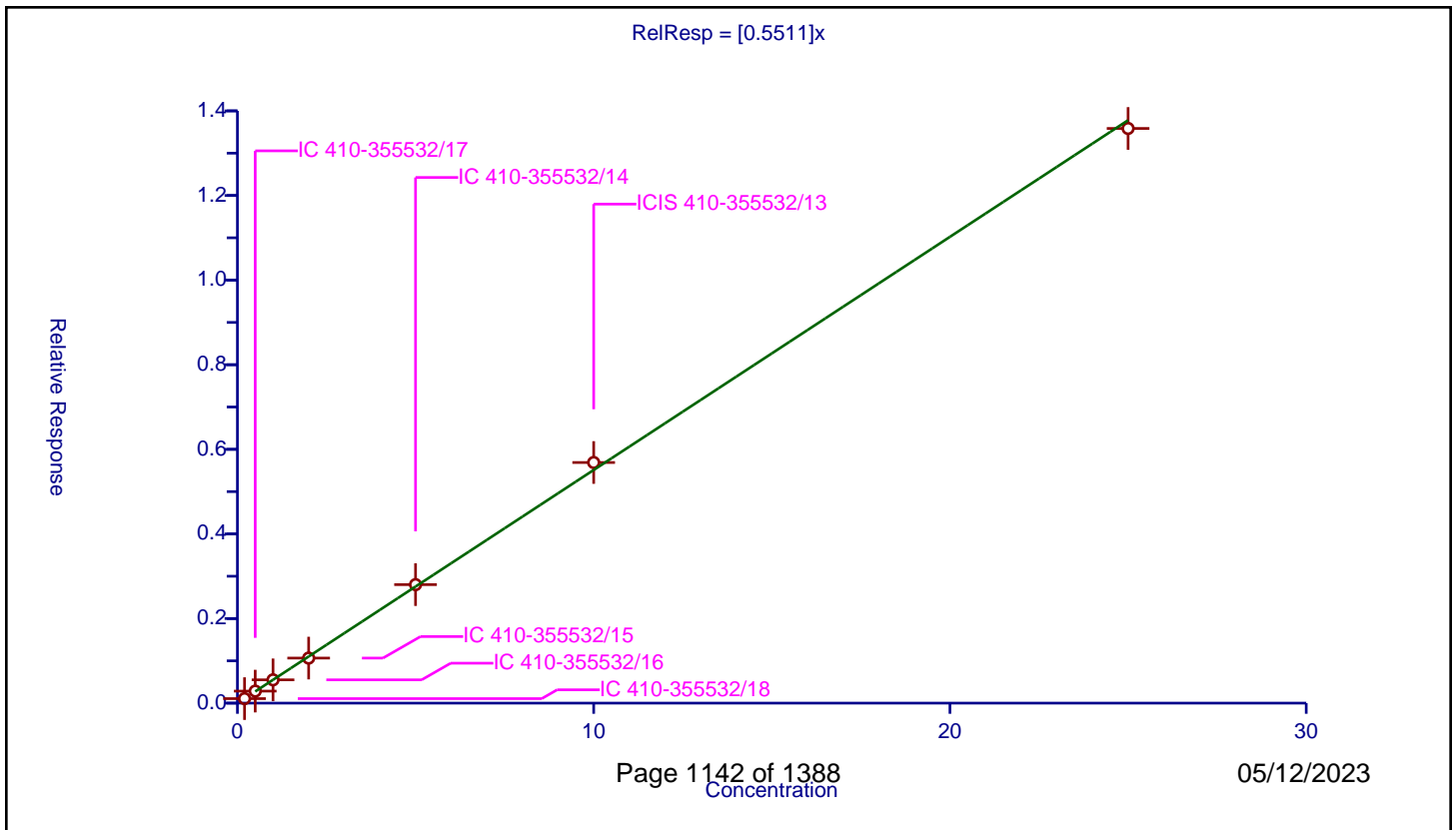
/ 1,1,2,2-Tetrachloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5511

Error Coefficients	
Standard Error:	753000
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 410-355532/18	0.2	0.106742	10.0	1096665.0	0.533709	Y
2	IC 410-355532/17	0.5	0.284154	10.0	1099896.0	0.568308	Y
3	IC 410-355532/16	1.0	0.550783	10.0	1128630.0	0.550783	Y
4	IC 410-355532/15	2.0	1.065272	10.0	1126529.0	0.532636	Y
5	IC 410-355532/14	5.0	2.801317	10.0	1162953.0	0.560263	Y
6	ICIS 410-355532/13	10.0	5.688045	10.0	1169233.0	0.568805	Y
7	IC 410-355532/12	25.0	13.584741	10.0	1240232.0	0.54339	Y



Calibration

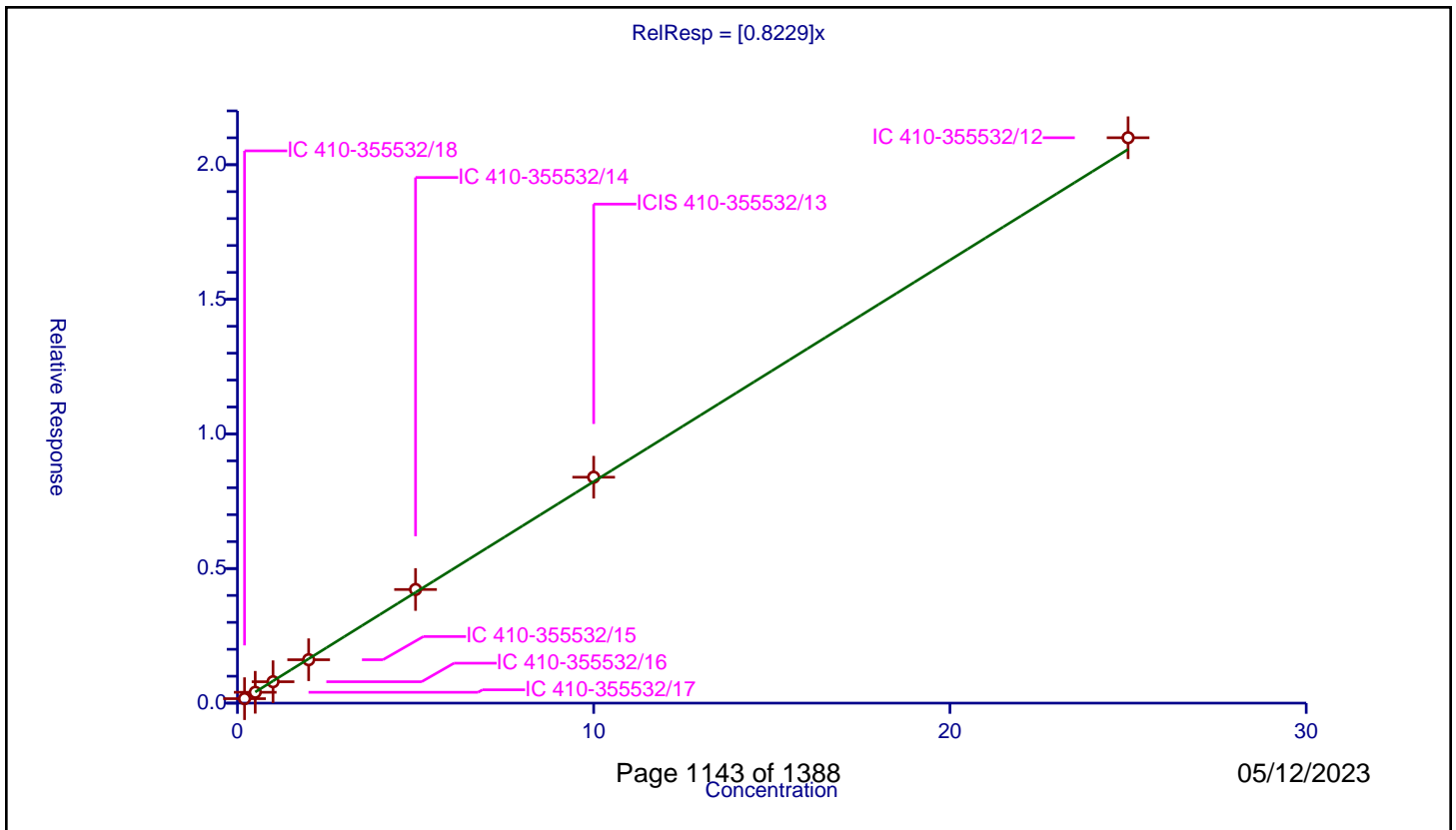
/ Bromobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8229

Error Coefficients	
Standard Error:	1160000
Relative Standard Error:	2.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.165721	10.0	1096665.0	0.828603	Y
2	IC 410-355532/17	0.5	0.403274	10.0	1099896.0	0.806549	Y
3	IC 410-355532/16	1.0	0.795097	10.0	1128630.0	0.795097	Y
4	IC 410-355532/15	2.0	1.612635	10.0	1126529.0	0.806317	Y
5	IC 410-355532/14	5.0	4.221349	10.0	1162953.0	0.84427	Y
6	ICIS 410-355532/13	10.0	8.392168	10.0	1169233.0	0.839217	Y
7	IC 410-355532/12	25.0	21.002829	10.0	1240232.0	0.840113	Y



Calibration

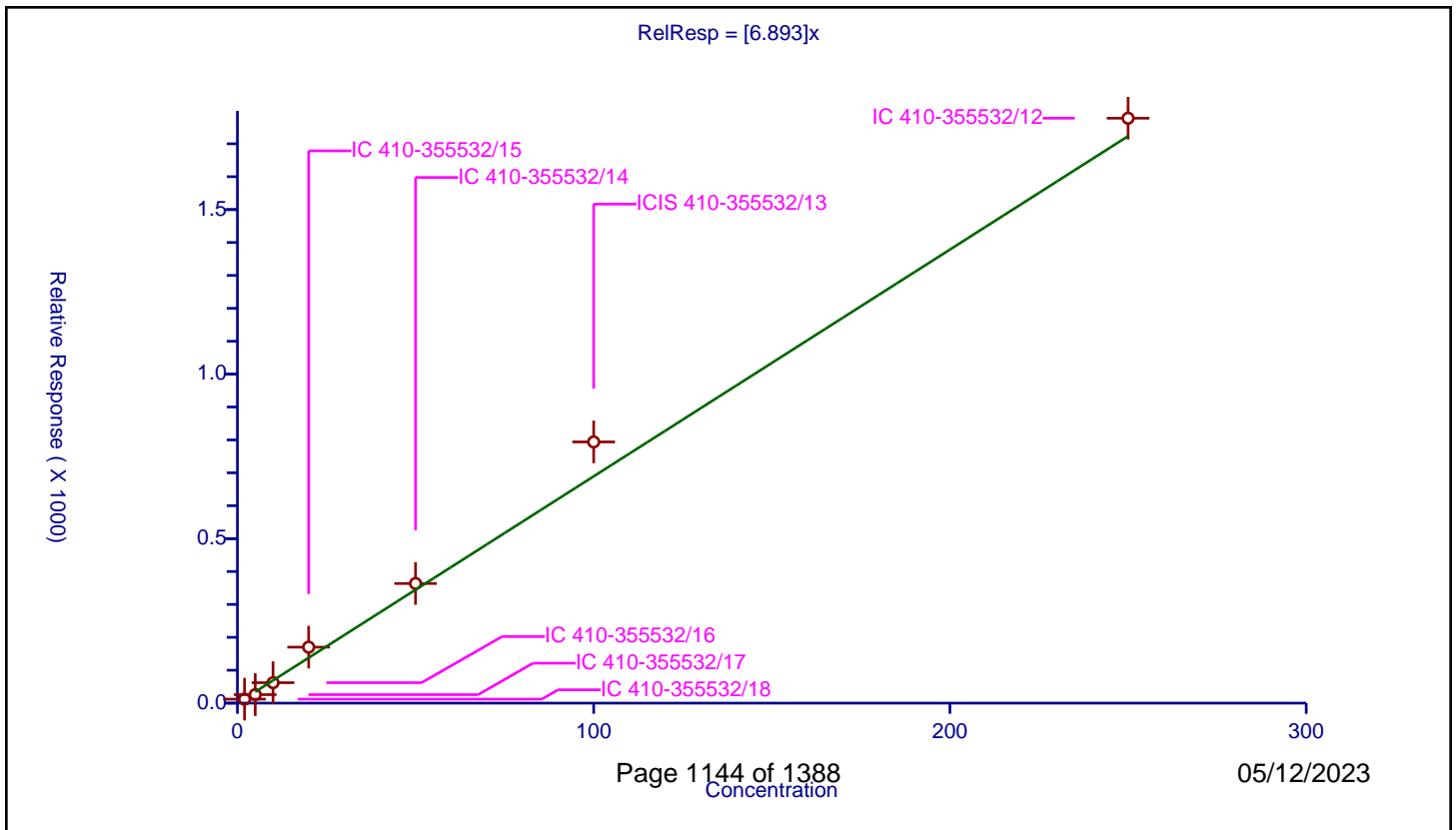
/ trans-1,4-Dichloro-2-butene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	6.893

Error Coefficients	
Standard Error:	2230000
Relative Standard Error:	16.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	2.0	12.106449	50.0	126445.0	6.053225	Y
2	IC 410-355532/17	5.0	25.770073	50.0	153492.0	5.154015	Y
3	IC 410-355532/16	10.0	62.135096	50.0	134008.0	6.21351	Y
4	IC 410-355532/15	20.0	170.116543	50.0	97646.0	8.505827	Y
5	IC 410-355532/14	50.0	363.587976	50.0	125221.0	7.27176	Y
6	ICIS 410-355532/13	100.0	793.935811	50.0	120956.0	7.939358	Y
7	IC 410-355532/12	250.0	1777.712273	50.0	141127.0	7.110849	Y



Calibration

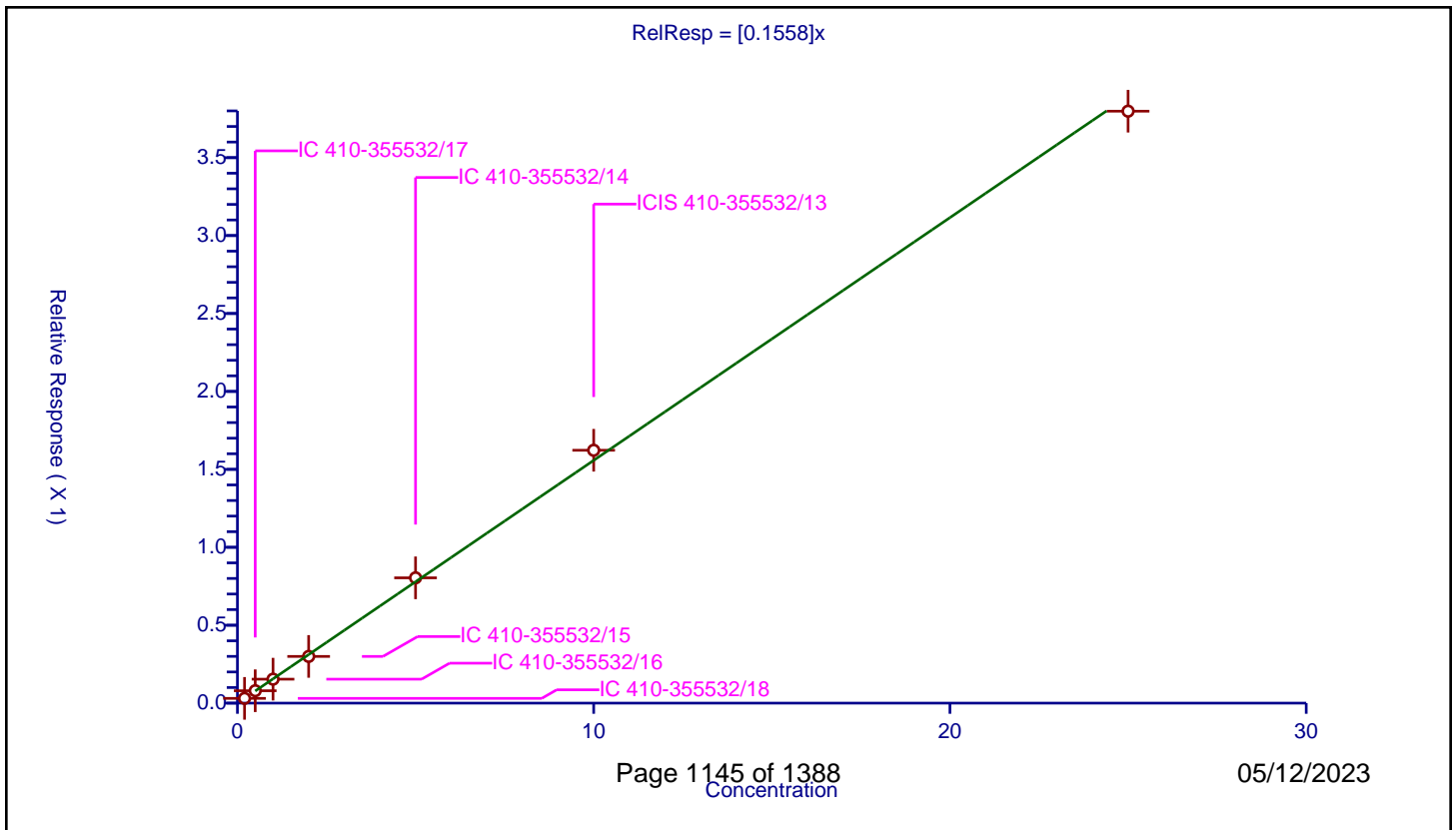
/ 1,2,3-Trichloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1558

Error Coefficients	
Standard Error:	211000
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 410-355532/18	0.2	0.030556	10.0	1096665.0	0.152781	Y
2	IC 410-355532/17	0.5	0.079471	10.0	1099896.0	0.158942	Y
3	IC 410-355532/16	1.0	0.153753	10.0	1128630.0	0.153753	Y
4	IC 410-355532/15	2.0	0.299717	10.0	1126529.0	0.149859	Y
5	IC 410-355532/14	5.0	0.803988	10.0	1162953.0	0.160798	Y
6	ICIS 410-355532/13	10.0	1.622431	10.0	1169233.0	0.162243	Y
7	IC 410-355532/12	25.0	3.798185	10.0	1240232.0	0.151927	Y



Calibration

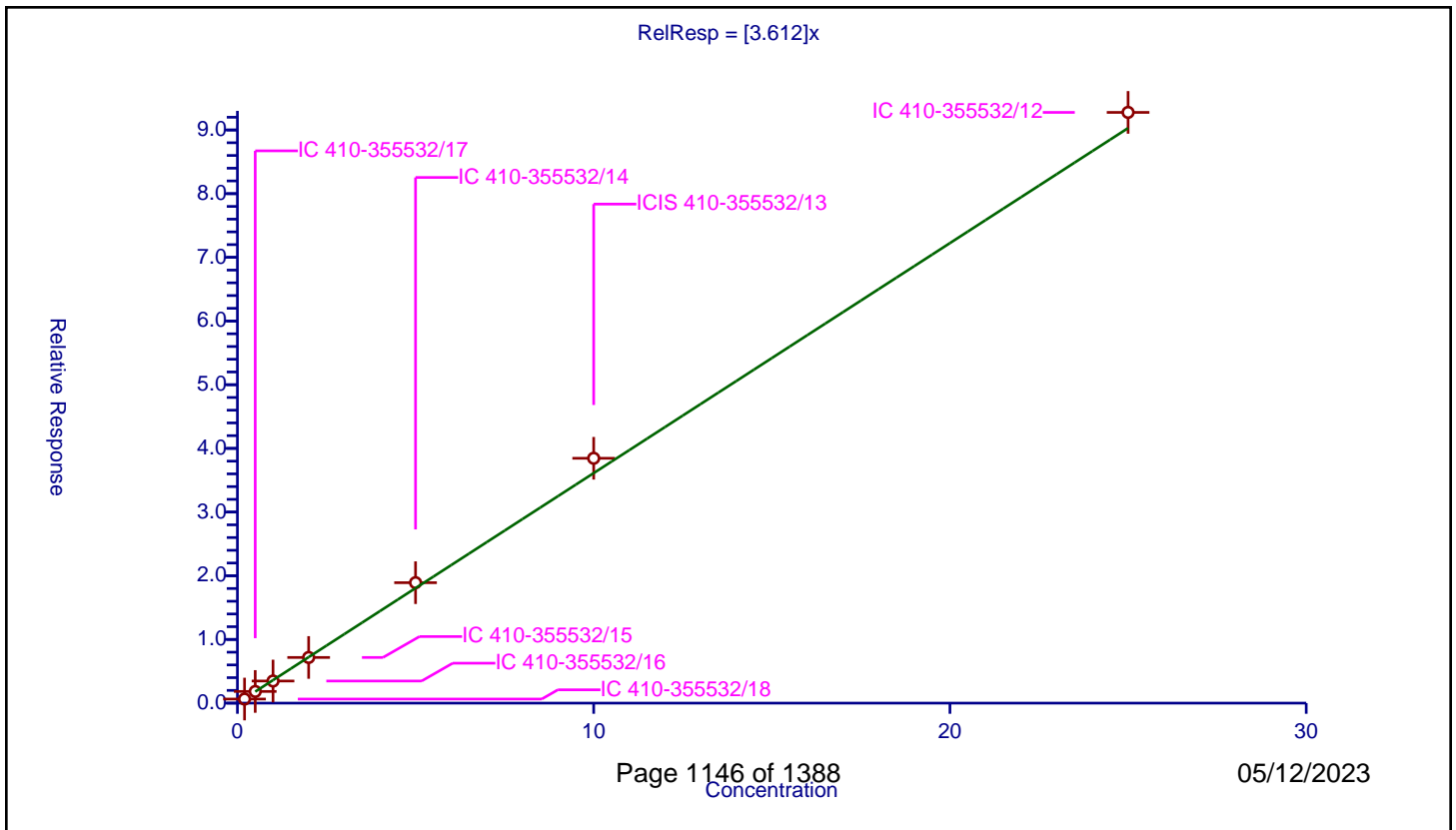
/ N-Propylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	3.612

Error Coefficients	
Standard Error:	5140000
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 410-355532/18	0.2	0.643916	10.0	1096665.0	3.219579	Y
2	IC 410-355532/17	0.5	1.832564	10.0	1099896.0	3.665128	Y
3	IC 410-355532/16	1.0	3.475187	10.0	1128630.0	3.475187	Y
4	IC 410-355532/15	2.0	7.170344	10.0	1126529.0	3.585172	Y
5	IC 410-355532/14	5.0	18.915494	10.0	1162953.0	3.783099	Y
6	ICIS 410-355532/13	10.0	38.45125	10.0	1169233.0	3.845125	Y
7	IC 410-355532/12	25.0	92.762483	10.0	1240232.0	3.710499	Y



Calibration

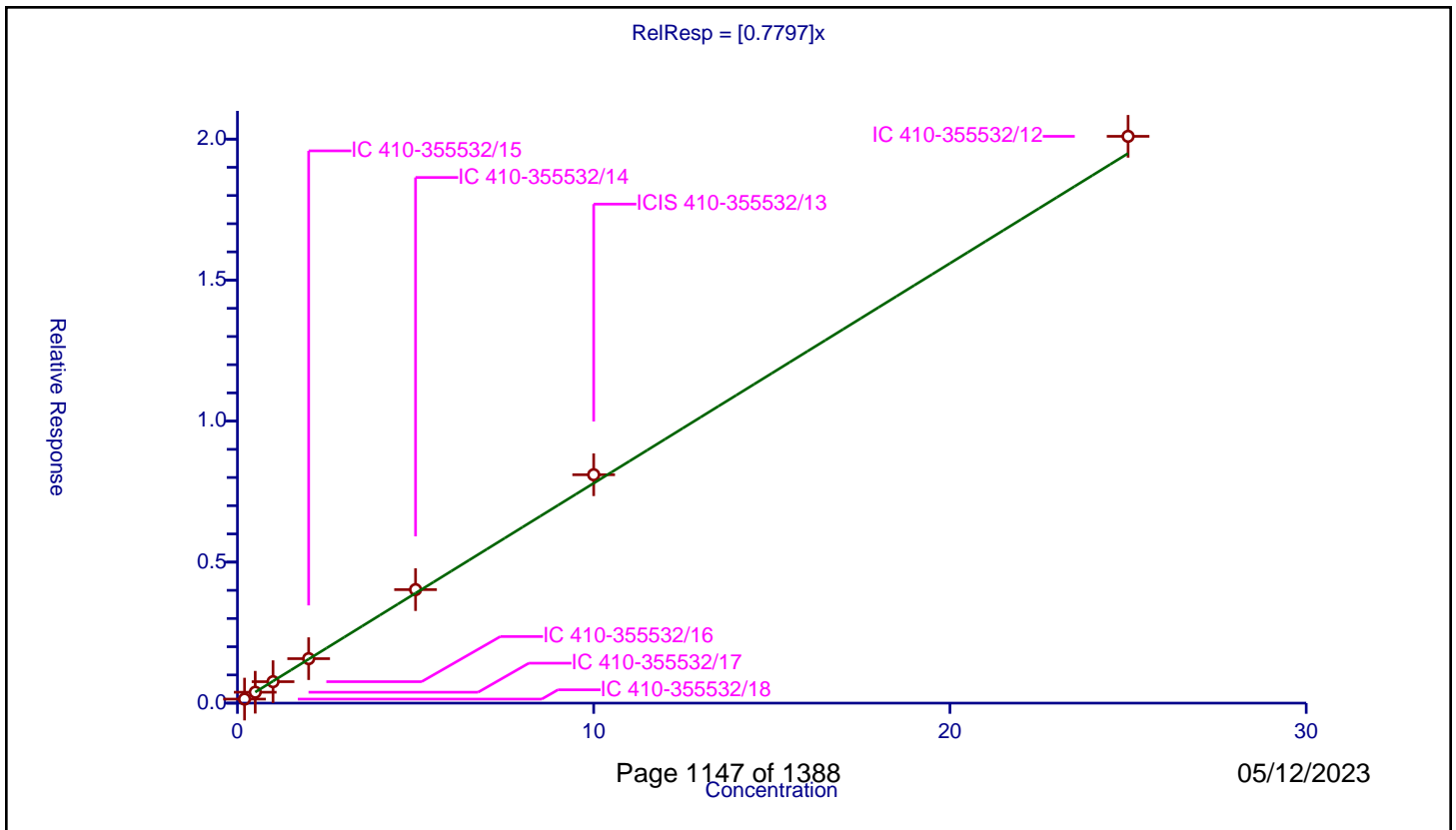
/ 2-Chlorotoluene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.7797

Error Coefficients	
Standard Error:	1110000
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 410-355532/18	0.2	0.143508	10.0	1096665.0	0.717539	Y
2	IC 410-355532/17	0.5	0.386509	10.0	1099896.0	0.773019	Y
3	IC 410-355532/16	1.0	0.76071	10.0	1128630.0	0.76071	Y
4	IC 410-355532/15	2.0	1.576417	10.0	1126529.0	0.788209	Y
5	IC 410-355532/14	5.0	4.024084	10.0	1162953.0	0.804817	Y
6	ICIS 410-355532/13	10.0	8.098446	10.0	1169233.0	0.809845	Y
7	IC 410-355532/12	25.0	20.097933	10.0	1240232.0	0.803917	Y



Calibration

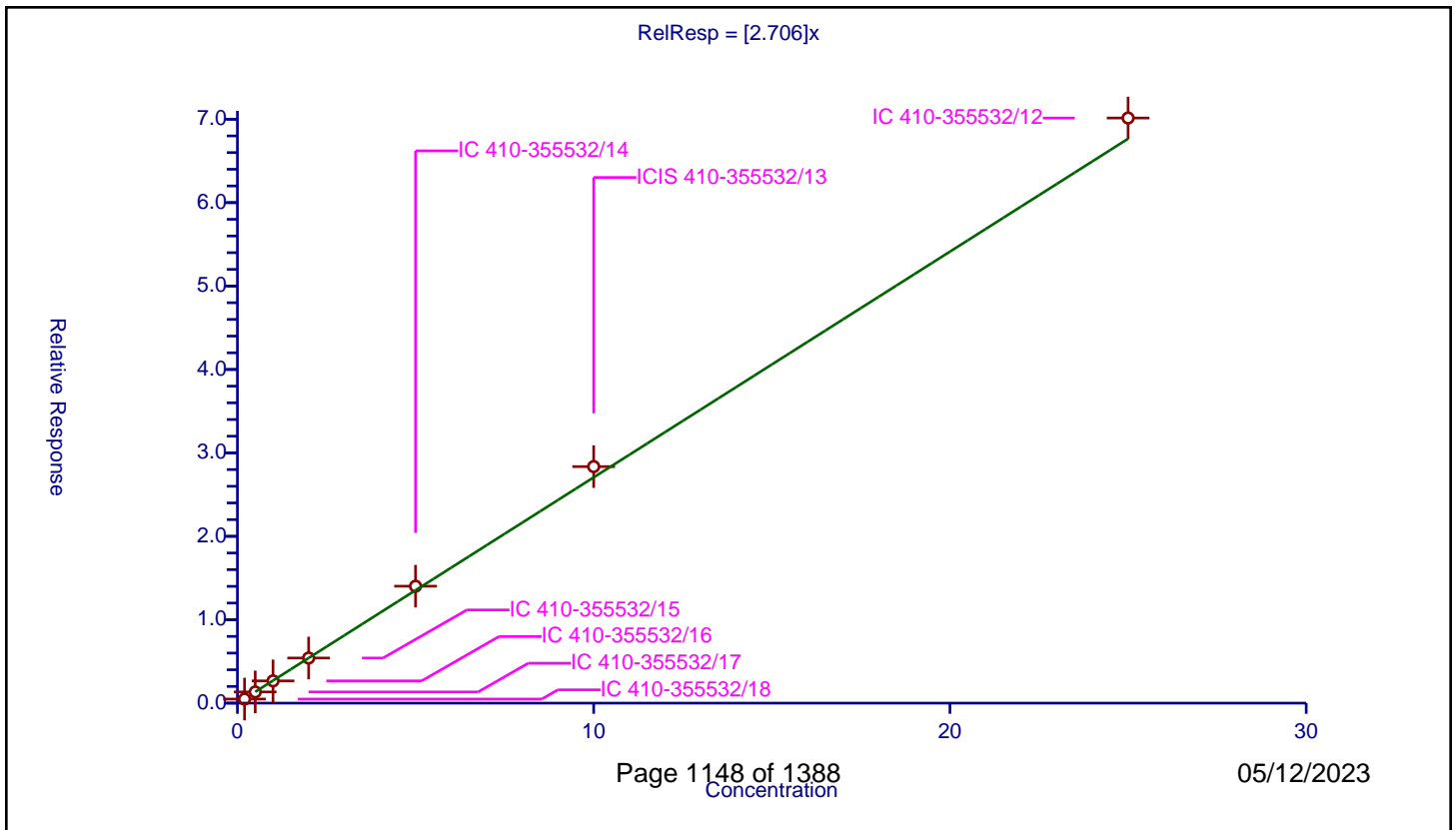
/ 1,3,5-Trimethylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.706

Error Coefficients	
Standard Error:	3870000
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 410-355532/18	0.2	0.488499	10.0	1096665.0	2.442496	Y
2	IC 410-355532/17	0.5	1.342145	10.0	1099896.0	2.68429	Y
3	IC 410-355532/16	1.0	2.669218	10.0	1128630.0	2.669218	Y
4	IC 410-355532/15	2.0	5.407087	10.0	1126529.0	2.703543	Y
5	IC 410-355532/14	5.0	14.017686	10.0	1162953.0	2.803537	Y
6	ICIS 410-355532/13	10.0	28.356059	10.0	1169233.0	2.835606	Y
7	IC 410-355532/12	25.0	70.144513	10.0	1240232.0	2.805781	Y



Calibration

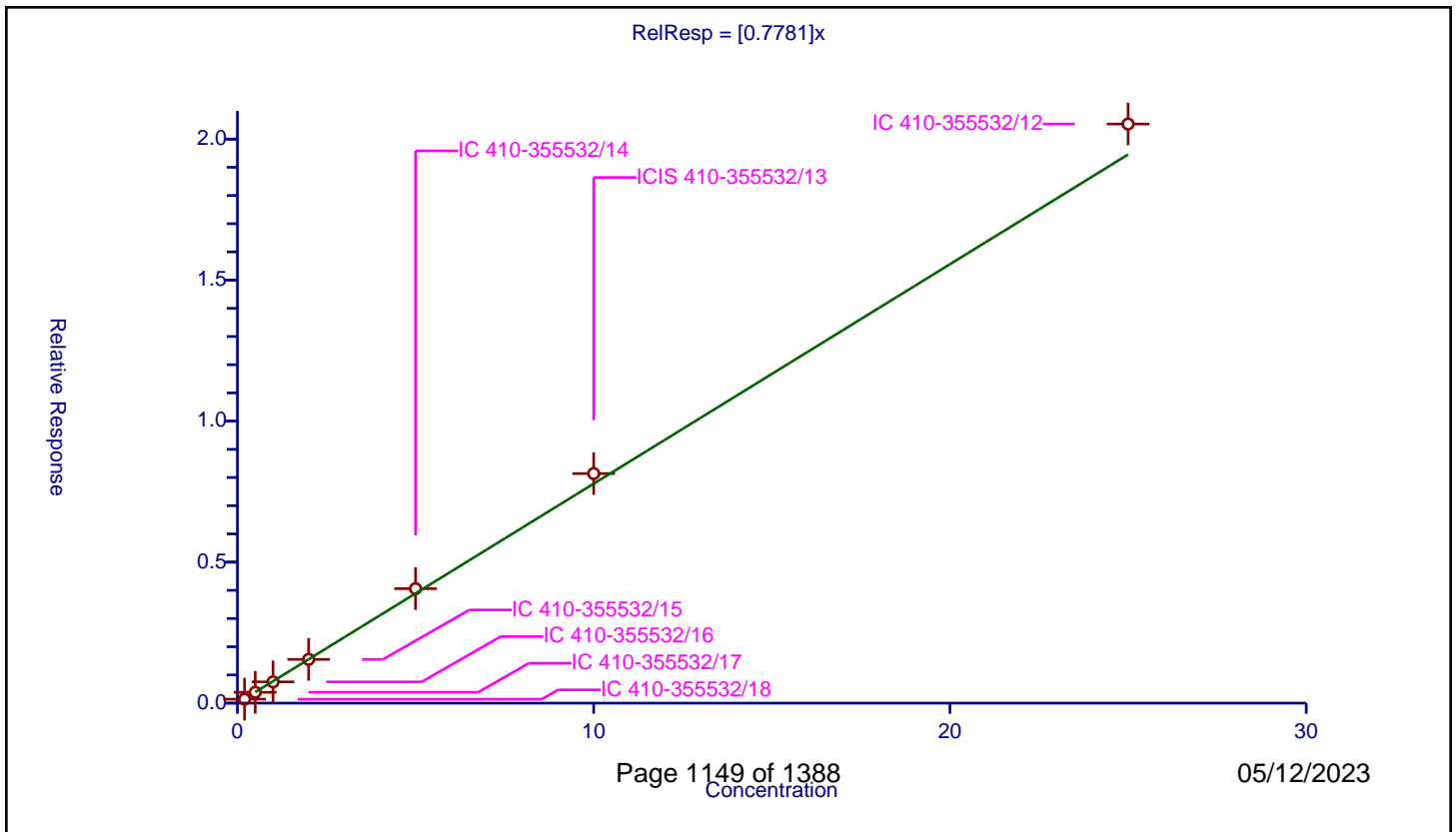
/ 4-Chlorotoluene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.7781

Error Coefficients	
Standard Error:	1130000
Relative Standard Error:	5.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.140125	10.0	1096665.0	0.700624	Y
2	IC 410-355532/17	0.5	0.3846	10.0	1099896.0	0.7692	Y
3	IC 410-355532/16	1.0	0.753648	10.0	1128630.0	0.753648	Y
4	IC 410-355532/15	2.0	1.551571	10.0	1126529.0	0.775786	Y
5	IC 410-355532/14	5.0	4.059898	10.0	1162953.0	0.81198	Y
6	ICIS 410-355532/13	10.0	8.140567	10.0	1169233.0	0.814057	Y
7	IC 410-355532/12	25.0	20.53469	10.0	1240232.0	0.821388	Y



Calibration

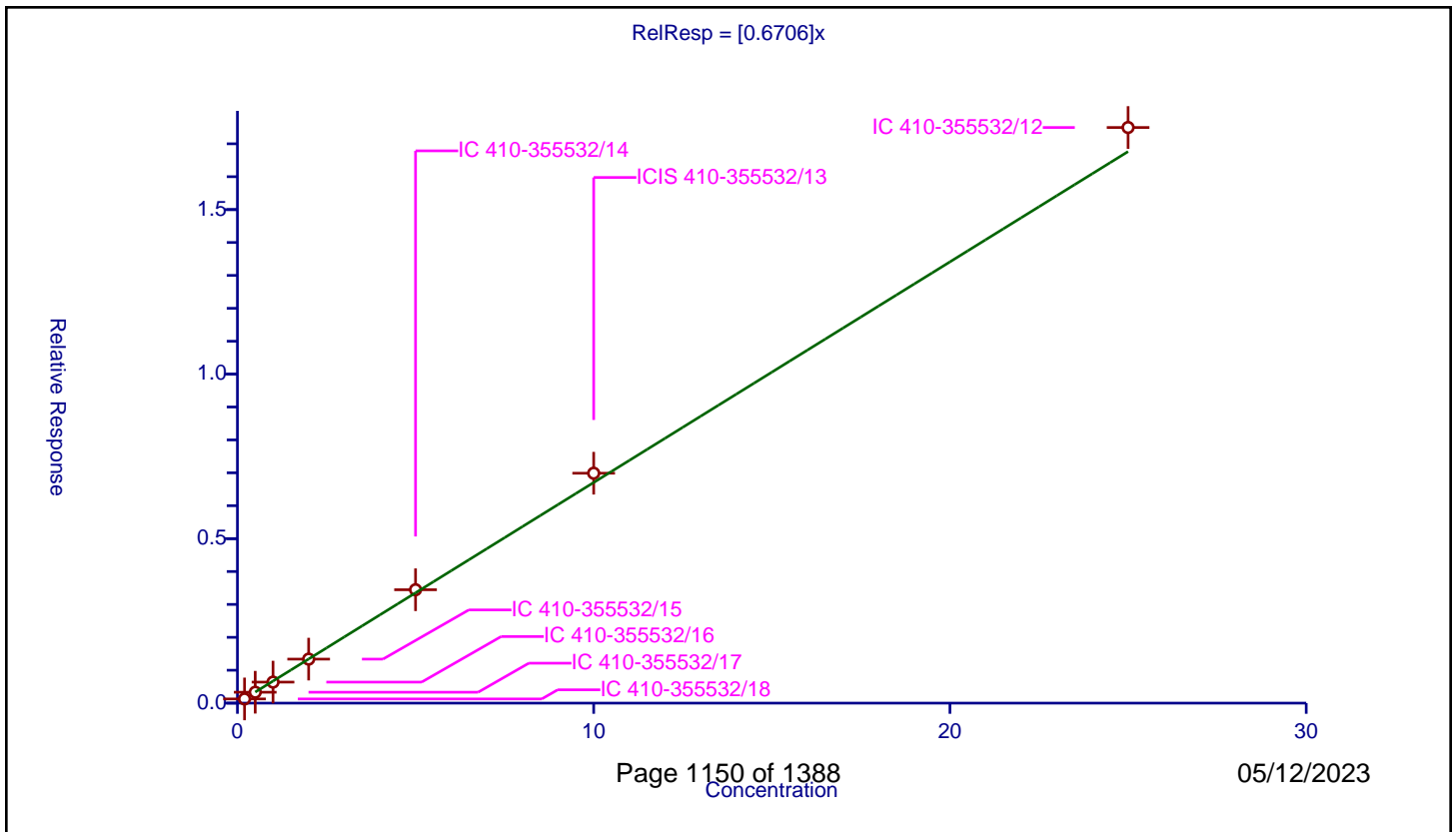
/ tert-Butylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6706

Error Coefficients	
Standard Error:	963000
Relative Standard Error:	4.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.127213	10.0	1096665.0	0.636065	Y
2	IC 410-355532/17	0.5	0.331277	10.0	1099896.0	0.662554	Y
3	IC 410-355532/16	1.0	0.638766	10.0	1128630.0	0.638766	Y
4	IC 410-355532/15	2.0	1.337294	10.0	1126529.0	0.668647	Y
5	IC 410-355532/14	5.0	3.446674	10.0	1162953.0	0.689335	Y
6	ICIS 410-355532/13	10.0	6.988068	10.0	1169233.0	0.698807	Y
7	IC 410-355532/12	25.0	17.495194	10.0	1240232.0	0.699808	Y



Calibration

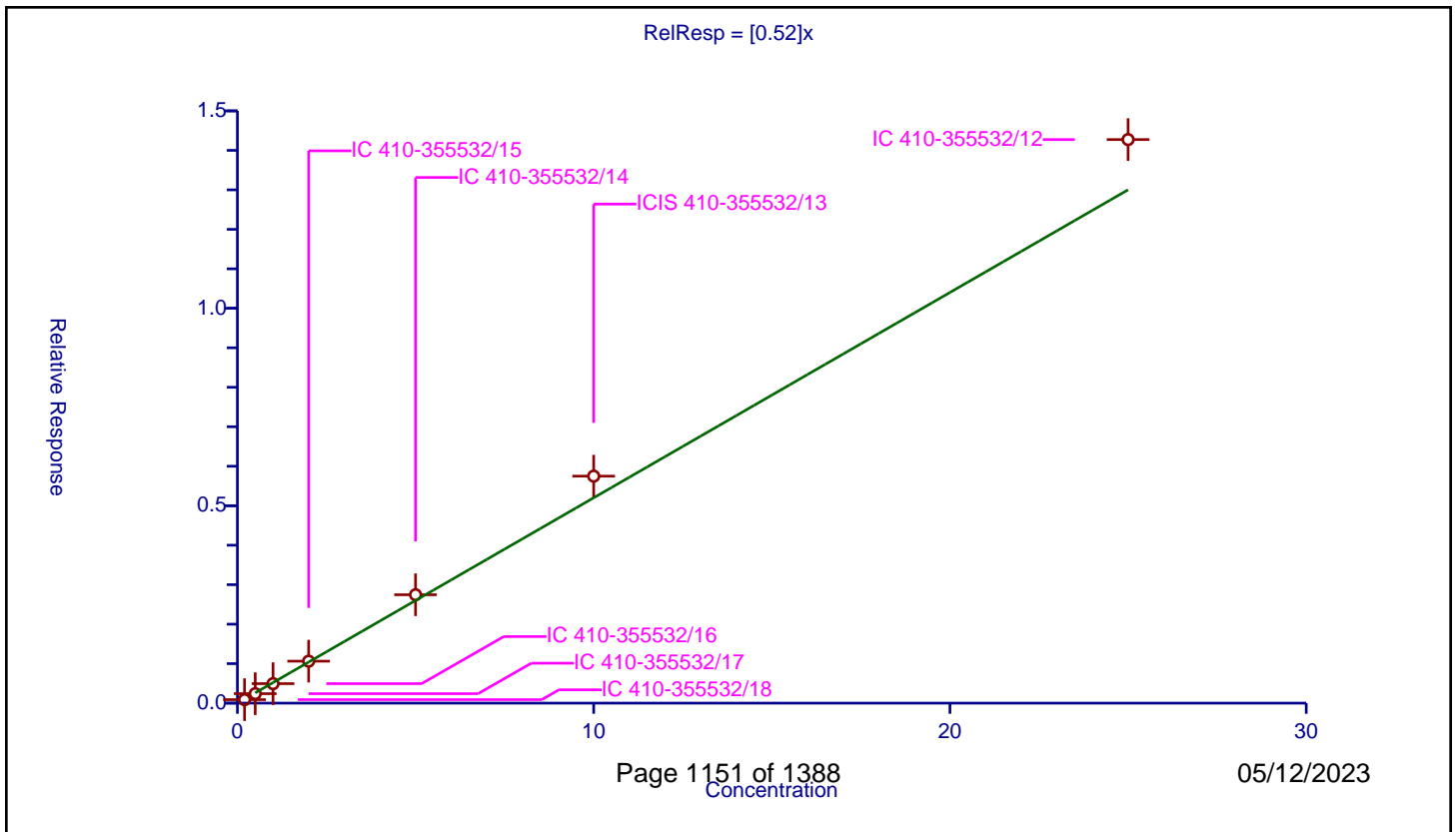
/ Pentachloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.52

Error Coefficients	
Standard Error:	786000
Relative Standard Error:	9.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.088167	10.0	1096665.0	0.440837	Y
2	IC 410-355532/17	0.5	0.239986	10.0	1099896.0	0.479973	Y
3	IC 410-355532/16	1.0	0.493288	10.0	1128630.0	0.493288	Y
4	IC 410-355532/15	2.0	1.06284	10.0	1126529.0	0.53142	Y
5	IC 410-355532/14	5.0	2.744874	10.0	1162953.0	0.548975	Y
6	ICIS 410-355532/13	10.0	5.749273	10.0	1169233.0	0.574927	Y
7	IC 410-355532/12	25.0	14.273241	10.0	1240232.0	0.57093	Y



Calibration

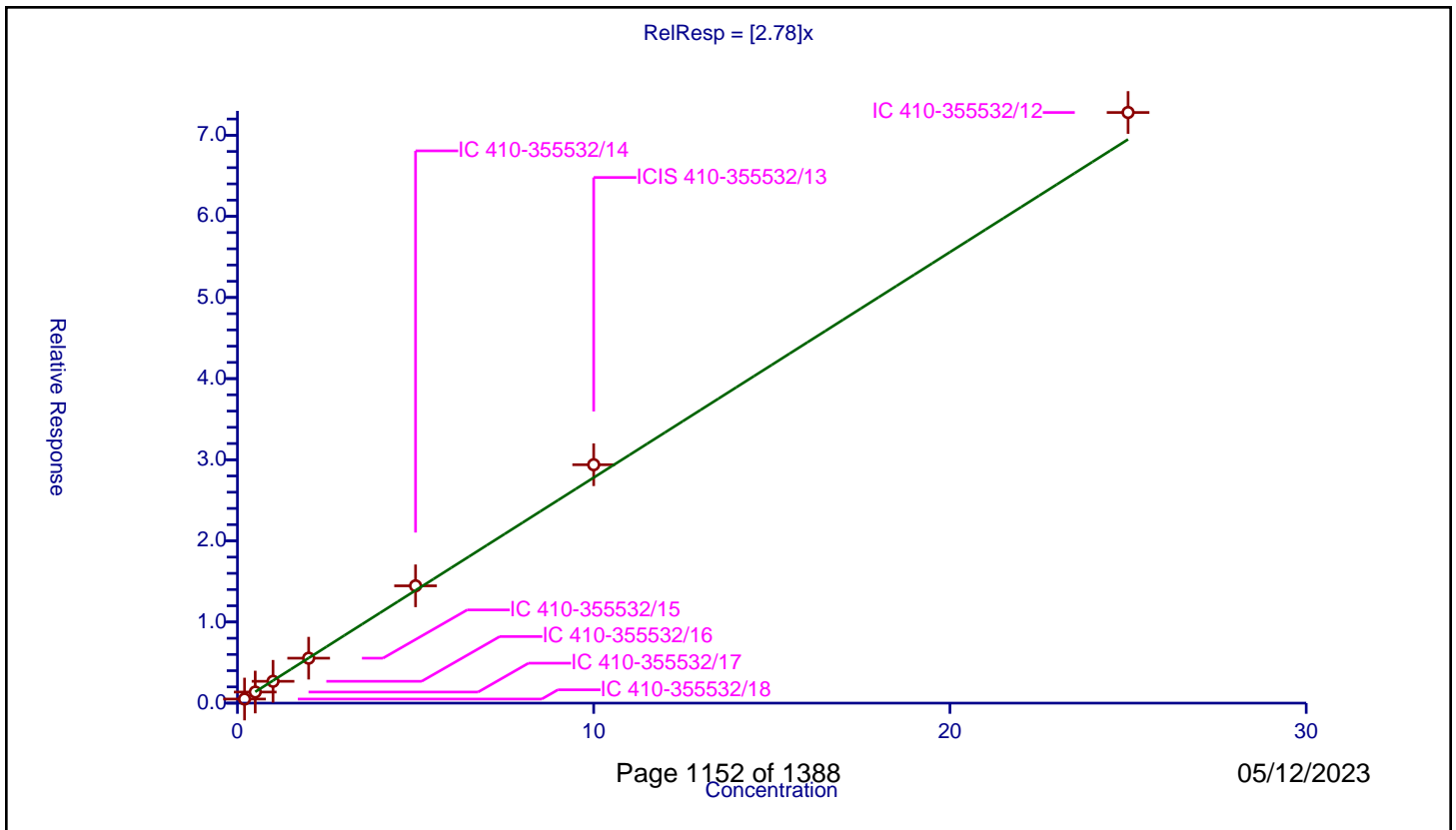
/ 1,2,4-Trimethylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.78

Error Coefficients	
Standard Error:	4010000
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 410-355532/18	0.2	0.503645	10.0	1096665.0	2.518226	Y
2	IC 410-355532/17	0.5	1.368584	10.0	1099896.0	2.737168	Y
3	IC 410-355532/16	1.0	2.689517	10.0	1128630.0	2.689517	Y
4	IC 410-355532/15	2.0	5.540044	10.0	1126529.0	2.770022	Y
5	IC 410-355532/14	5.0	14.460008	10.0	1162953.0	2.892002	Y
6	ICIS 410-355532/13	10.0	29.386572	10.0	1169233.0	2.938657	Y
7	IC 410-355532/12	25.0	72.803185	10.0	1240232.0	2.912127	Y



Calibration

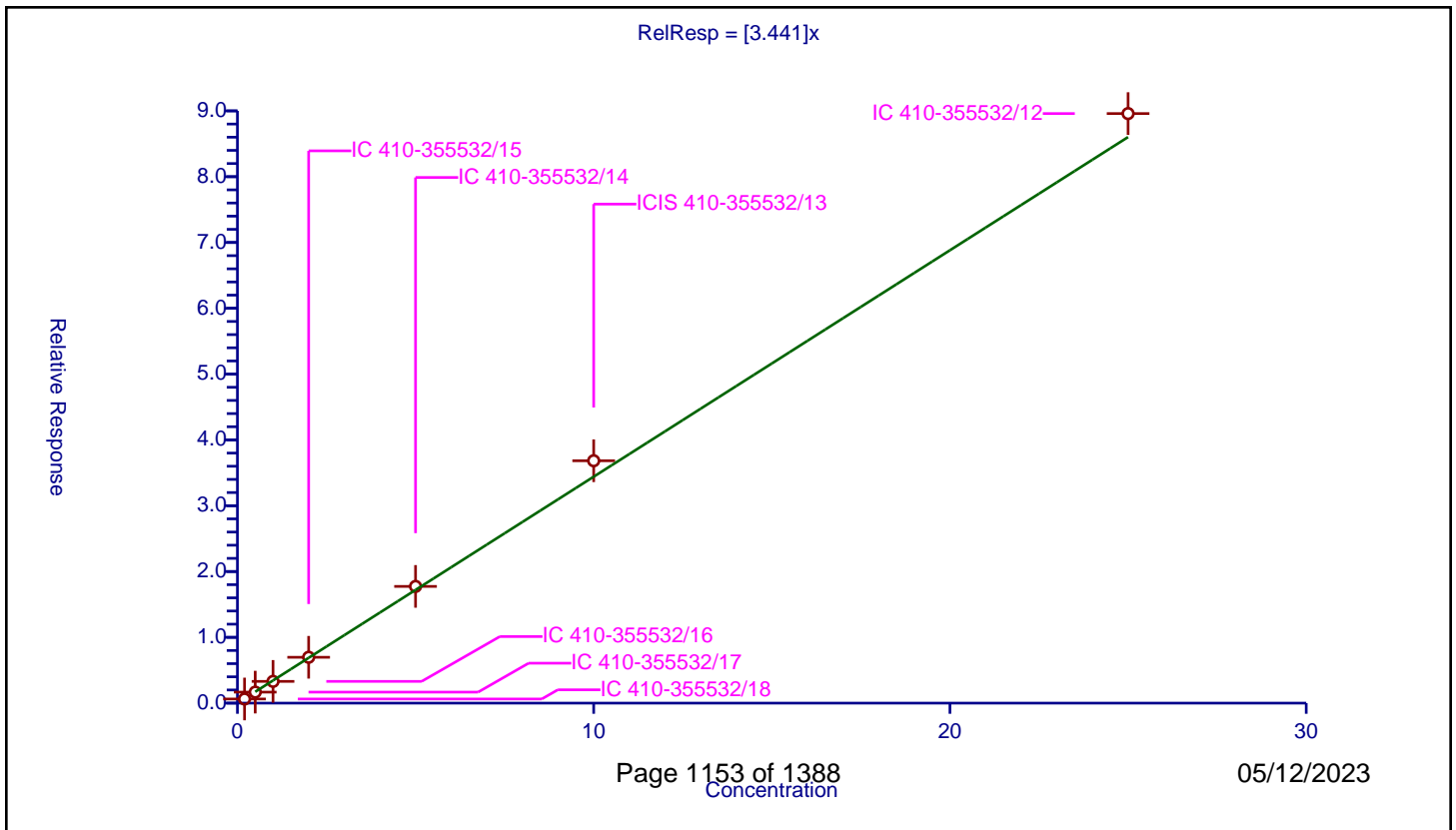
/ sec-Butylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	3.441

Error Coefficients	
Standard Error:	4950000
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 410-355532/18	0.2	0.627767	10.0	1096665.0	3.138835	Y
2	IC 410-355532/17	0.5	1.672194	10.0	1099896.0	3.344389	Y
3	IC 410-355532/16	1.0	3.304449	10.0	1128630.0	3.304449	Y
4	IC 410-355532/15	2.0	6.968831	10.0	1126529.0	3.484415	Y
5	IC 410-355532/14	5.0	17.737845	10.0	1162953.0	3.547569	Y
6	ICIS 410-355532/13	10.0	36.832522	10.0	1169233.0	3.683252	Y
7	IC 410-355532/12	25.0	89.59081	10.0	1240232.0	3.583632	Y



Calibration

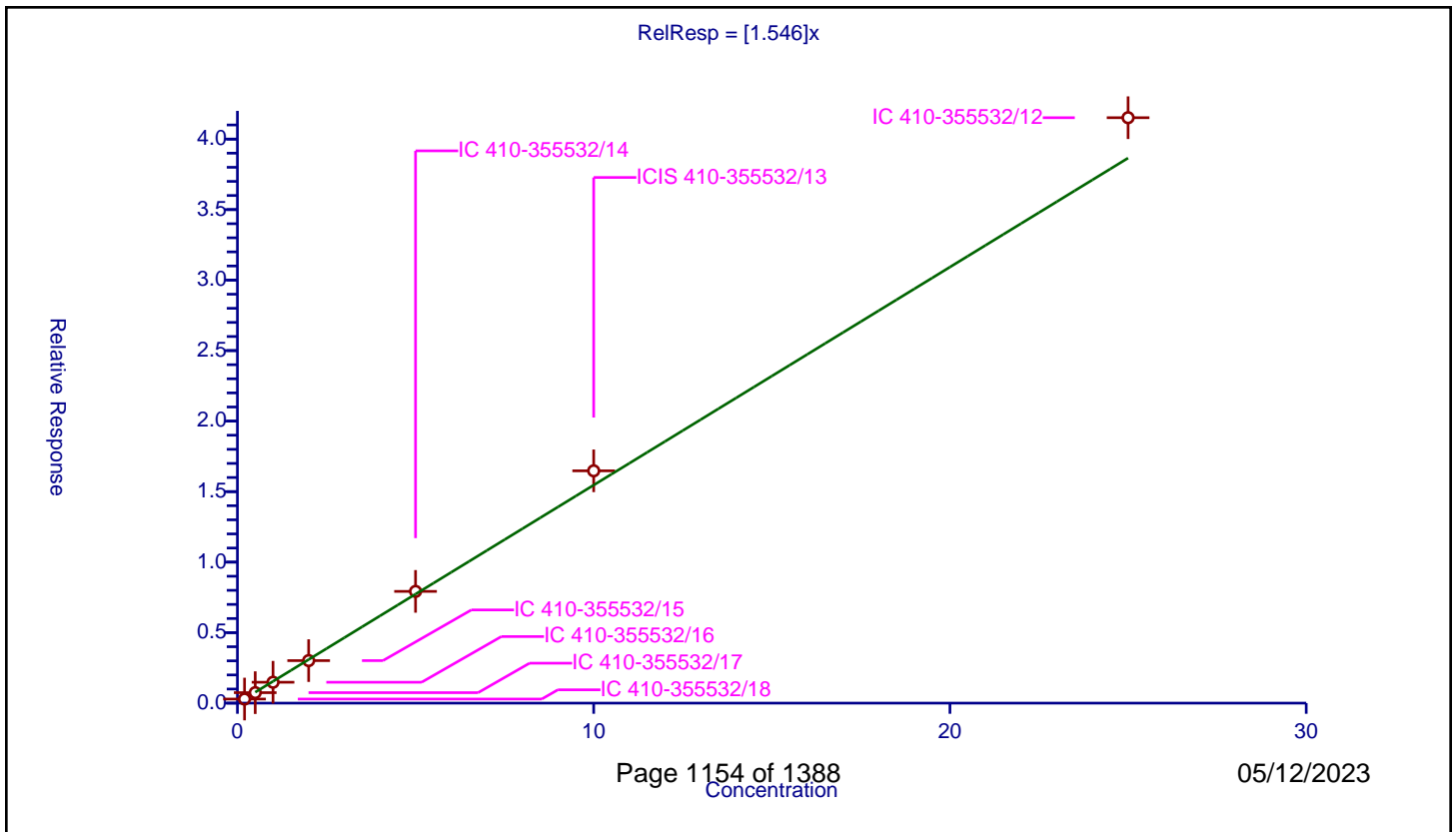
/ 1,3-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.546

Error Coefficients	
Standard Error:	2280000
Relative Standard Error:	5.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.290809	10.0	1096665.0	1.454045	Y
2	IC 410-355532/17	0.5	0.743516	10.0	1099896.0	1.487032	Y
3	IC 410-355532/16	1.0	1.481043	10.0	1128630.0	1.481043	Y
4	IC 410-355532/15	2.0	3.016132	10.0	1126529.0	1.508066	Y
5	IC 410-355532/14	5.0	7.924568	10.0	1162953.0	1.584914	Y
6	ICIS 410-355532/13	10.0	16.474783	10.0	1169233.0	1.647478	Y
7	IC 410-355532/12	25.0	41.516353	10.0	1240232.0	1.660654	Y



Calibration

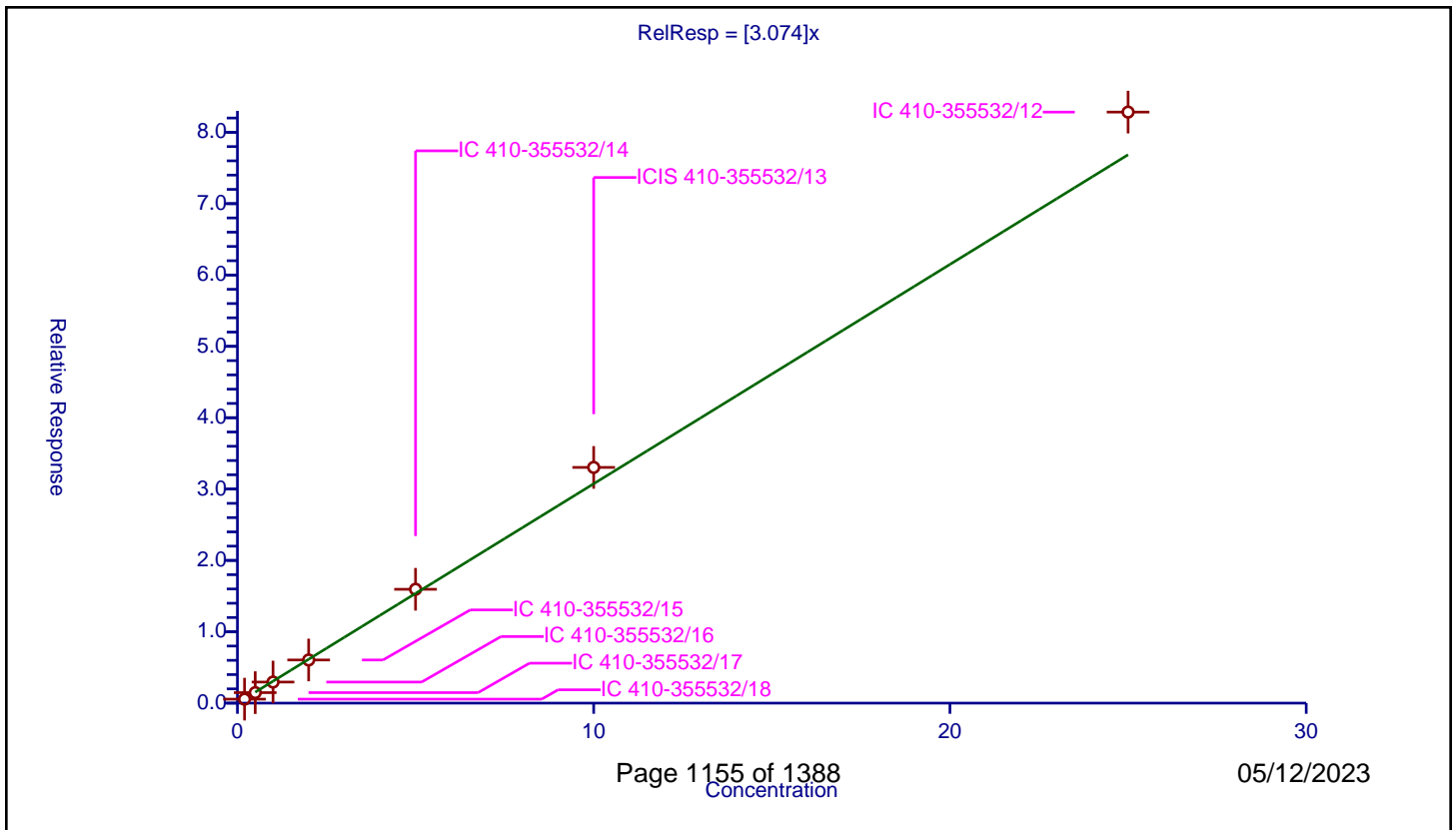
/ 4-Isopropyltoluene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	3.074

Error Coefficients	
Standard Error:	4560000
Relative Standard Error:	6.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.55729	10.0	1096665.0	2.786448	Y
2	IC 410-355532/17	0.5	1.473748	10.0	1099896.0	2.947497	Y
3	IC 410-355532/16	1.0	2.953705	10.0	1128630.0	2.953705	Y
4	IC 410-355532/15	2.0	6.047408	10.0	1126529.0	3.023704	Y
5	IC 410-355532/14	5.0	15.955271	10.0	1162953.0	3.191054	Y
6	ICIS 410-355532/13	10.0	33.035486	10.0	1169233.0	3.303549	Y
7	IC 410-355532/12	25.0	82.832075	10.0	1240232.0	3.313283	Y



Calibration

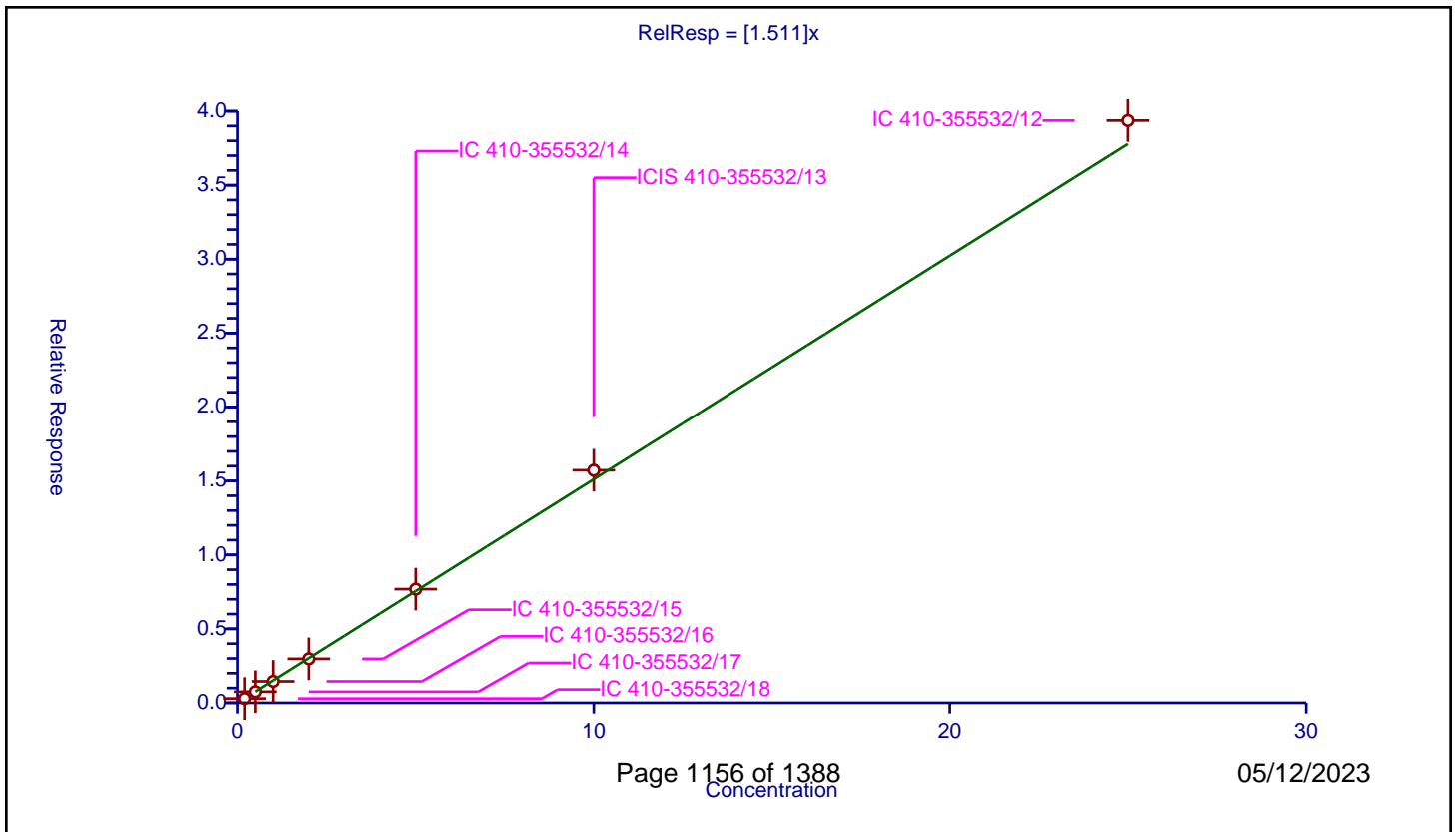
/ 1,4-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.511

Error Coefficients	
Standard Error:	2170000
Relative Standard Error:	3.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.291393	10.0	1096665.0	1.456963	Y
2	IC 410-355532/17	0.5	0.75118	10.0	1099896.0	1.50236	Y
3	IC 410-355532/16	1.0	1.449456	10.0	1128630.0	1.449456	Y
4	IC 410-355532/15	2.0	2.97481	10.0	1126529.0	1.487405	Y
5	IC 410-355532/14	5.0	7.684833	10.0	1162953.0	1.536967	Y
6	ICIS 410-355532/13	10.0	15.724992	10.0	1169233.0	1.572499	Y
7	IC 410-355532/12	25.0	39.371093	10.0	1240232.0	1.574844	Y



Calibration

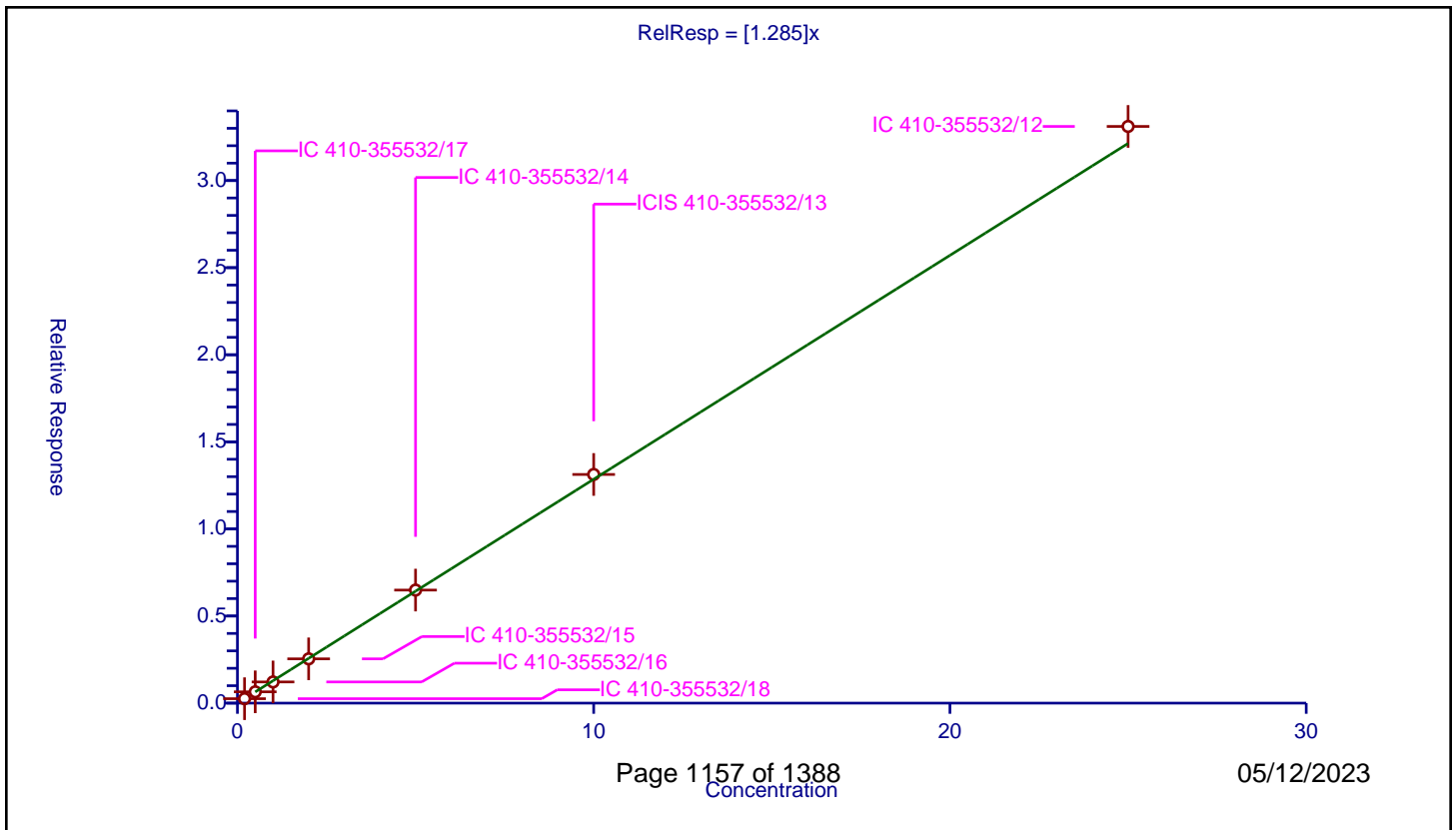
/ 1,2,3-Trimethylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.285

Error Coefficients	
Standard Error:	1820000
Relative Standard Error:	2.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.255301	10.0	1096665.0	1.276506	Y
2	IC 410-355532/17	0.5	0.64958	10.0	1099896.0	1.299159	Y
3	IC 410-355532/16	1.0	1.21589	10.0	1128630.0	1.21589	Y
4	IC 410-355532/15	2.0	2.541639	10.0	1126529.0	1.270819	Y
5	IC 410-355532/14	5.0	6.490013	10.0	1162953.0	1.298003	Y
6	ICIS 410-355532/13	10.0	13.127589	10.0	1169233.0	1.312759	Y
7	IC 410-355532/12	25.0	33.10629	10.0	1240232.0	1.324252	Y



Calibration

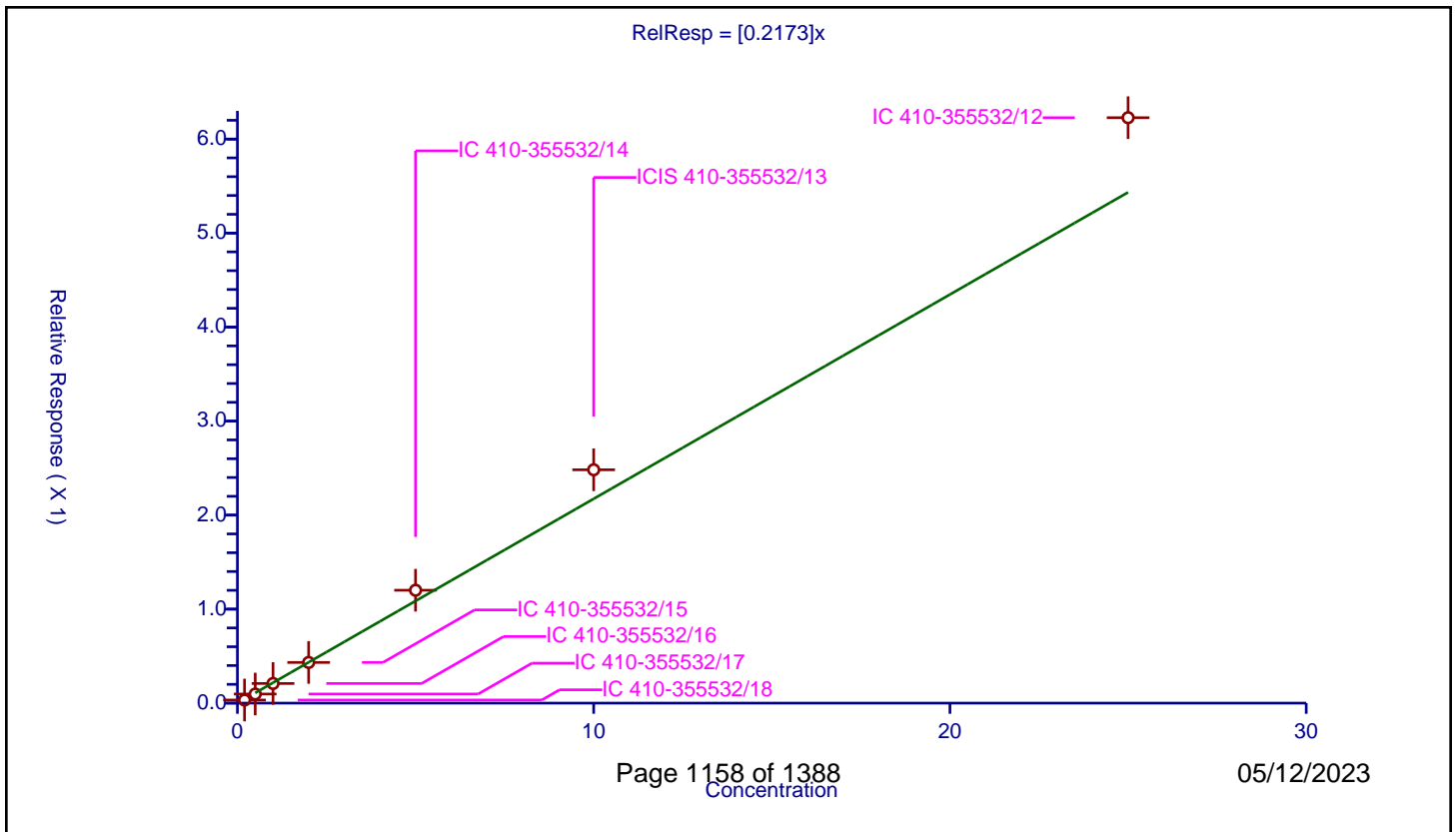
/ Benzyl chloride

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2173

Error Coefficients	
Standard Error:	342000
Relative Standard Error:	14.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.032936	10.0	1096665.0	0.164681	Y
2	IC 410-355532/17	0.5	0.096873	10.0	1099896.0	0.193746	Y
3	IC 410-355532/16	1.0	0.209059	10.0	1128630.0	0.209059	Y
4	IC 410-355532/15	2.0	0.432896	10.0	1126529.0	0.216448	Y
5	IC 410-355532/14	5.0	1.200874	10.0	1162953.0	0.240175	Y
6	ICIS 410-355532/13	10.0	2.482268	10.0	1169233.0	0.248227	Y
7	IC 410-355532/12	25.0	6.227359	10.0	1240232.0	0.249094	Y



Calibration

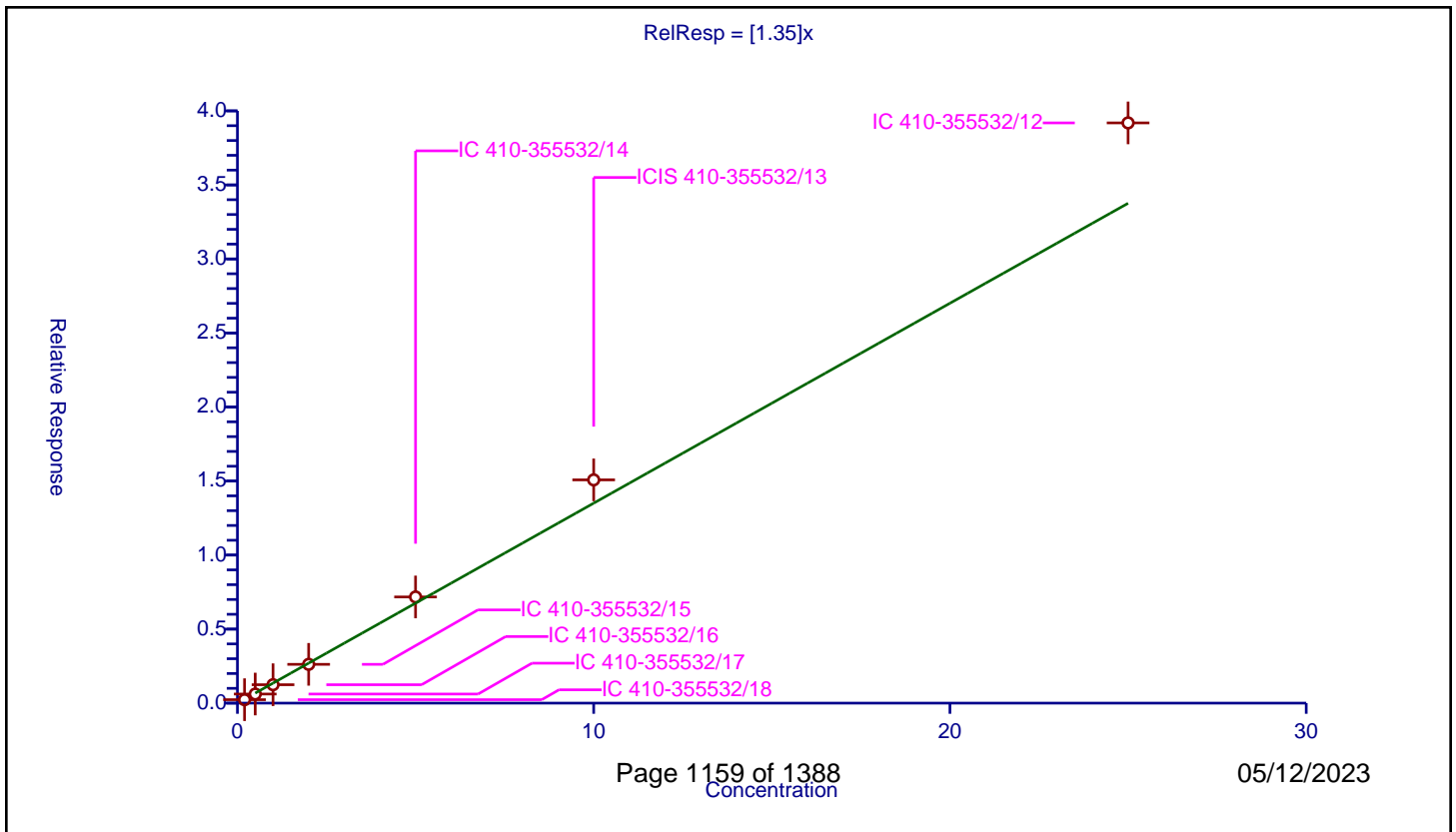
/ n-Butylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.35

Error Coefficients	
Standard Error:	2140000
Relative Standard Error:	11.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.232177	10.0	1096665.0	1.160883	Y
2	IC 410-355532/17	0.5	0.613922	10.0	1099896.0	1.227843	Y
3	IC 410-355532/16	1.0	1.244261	10.0	1128630.0	1.244261	Y
4	IC 410-355532/15	2.0	2.620758	10.0	1126529.0	1.310379	Y
5	IC 410-355532/14	5.0	7.171261	10.0	1162953.0	1.434252	Y
6	ICIS 410-355532/13	10.0	15.078004	10.0	1169233.0	1.5078	Y
7	IC 410-355532/12	25.0	39.189144	10.0	1240232.0	1.567566	Y



Calibration

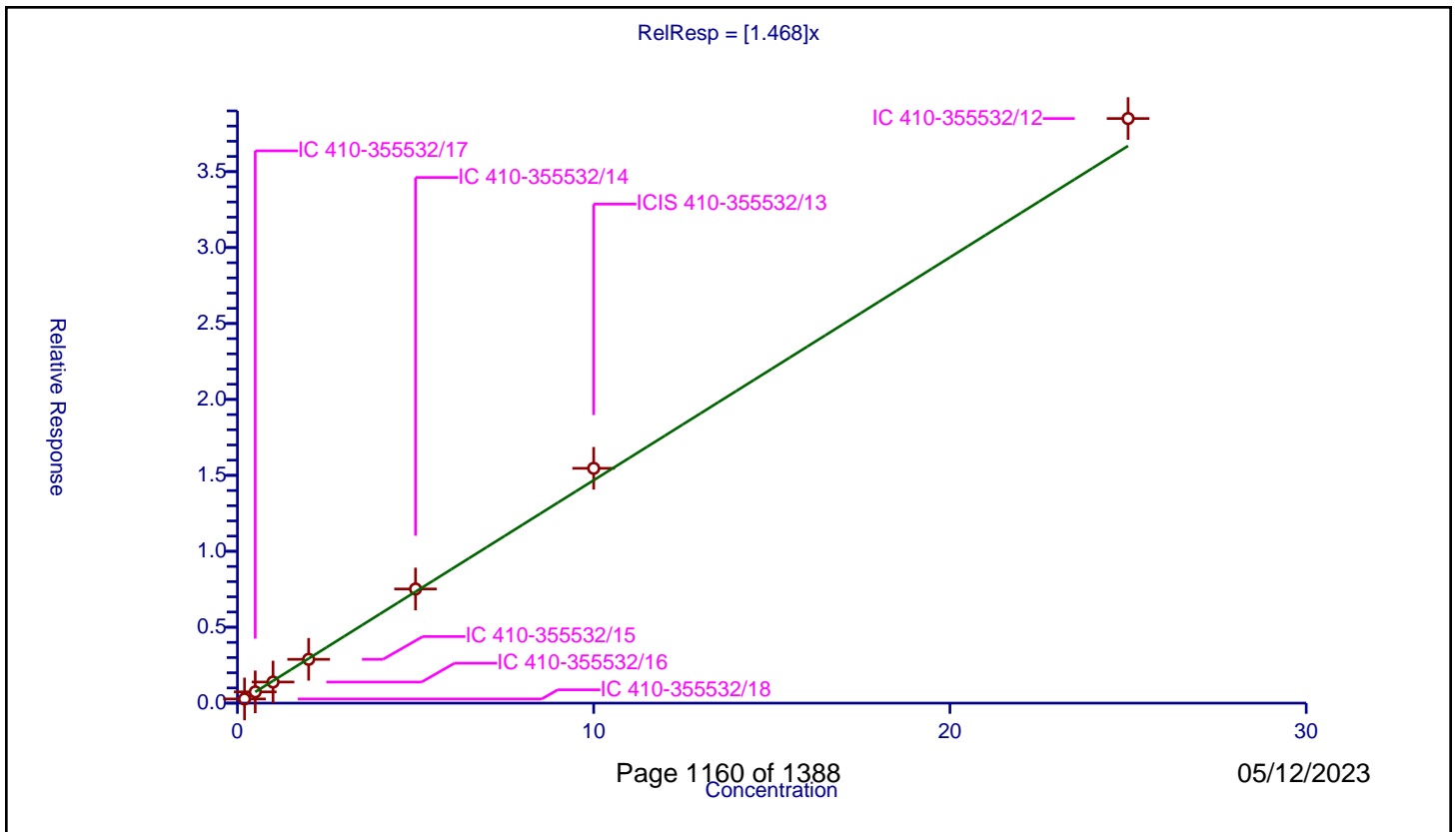
/ 1,2-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.468

Error Coefficients	
Standard Error:	2120000
Relative Standard Error:	4.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.274578	10.0	1096665.0	1.37289	Y
2	IC 410-355532/17	0.5	0.740743	10.0	1099896.0	1.481486	Y
3	IC 410-355532/16	1.0	1.389348	10.0	1128630.0	1.389348	Y
4	IC 410-355532/15	2.0	2.883388	10.0	1126529.0	1.441694	Y
5	IC 410-355532/14	5.0	7.515446	10.0	1162953.0	1.503089	Y
6	ICIS 410-355532/13	10.0	15.462324	10.0	1169233.0	1.546232	Y
7	IC 410-355532/12	25.0	38.496628	10.0	1240232.0	1.539865	Y



Calibration

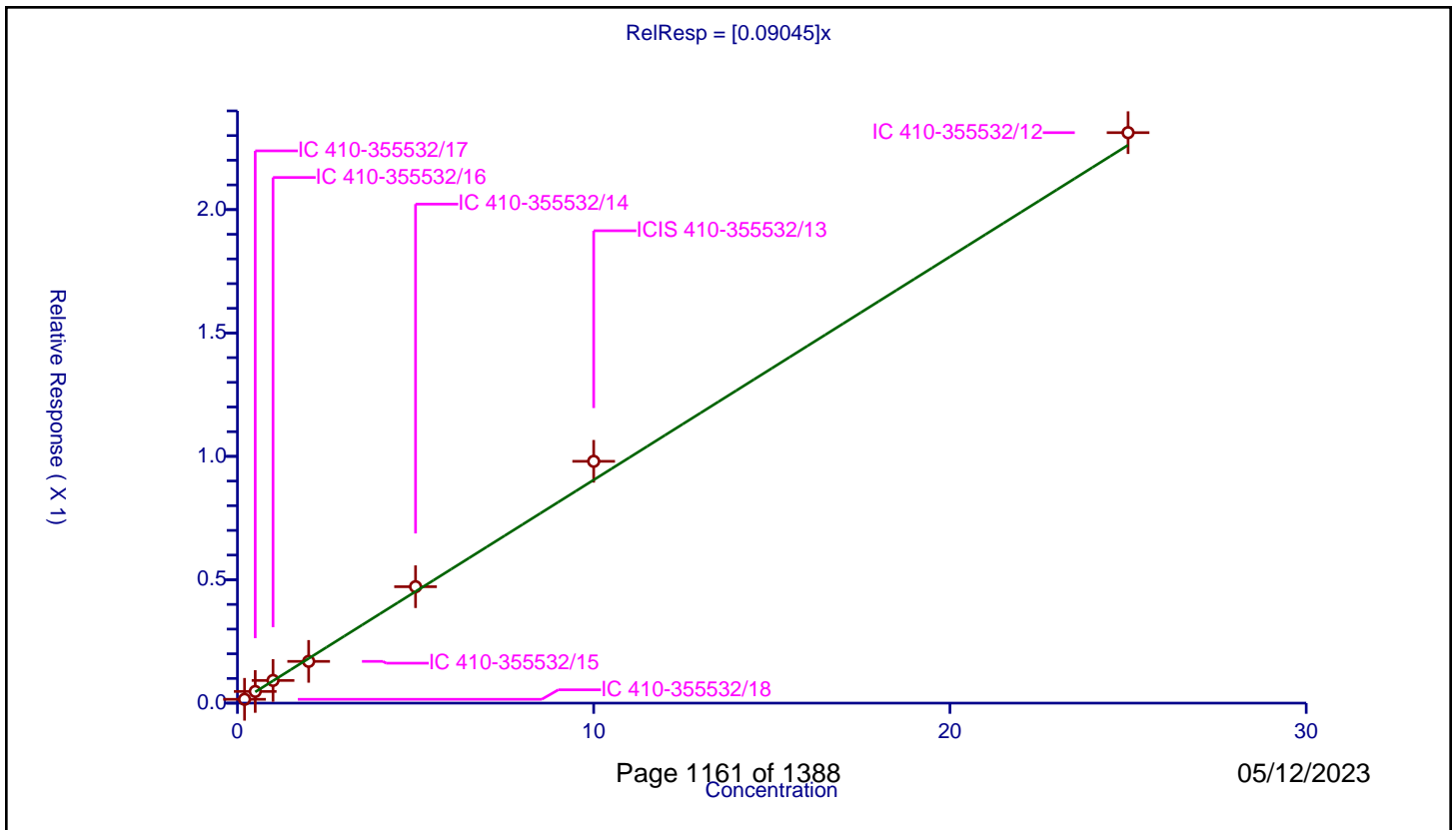
/ 1,2-Dibromo-3-Chloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.09045

Error Coefficients	
Standard Error:	128000
Relative Standard Error:	7.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.015456	10.0	1096665.0	0.07728	Y
2	IC 410-355532/17	0.5	0.047314	10.0	1099896.0	0.094627	Y
3	IC 410-355532/16	1.0	0.091872	10.0	1128630.0	0.091872	Y
4	IC 410-355532/15	2.0	0.16913	10.0	1126529.0	0.084565	Y
5	IC 410-355532/14	5.0	0.471868	10.0	1162953.0	0.094374	Y
6	ICIS 410-355532/13	10.0	0.979959	10.0	1169233.0	0.097996	Y
7	IC 410-355532/12	25.0	2.311769	10.0	1240232.0	0.092471	Y



Calibration

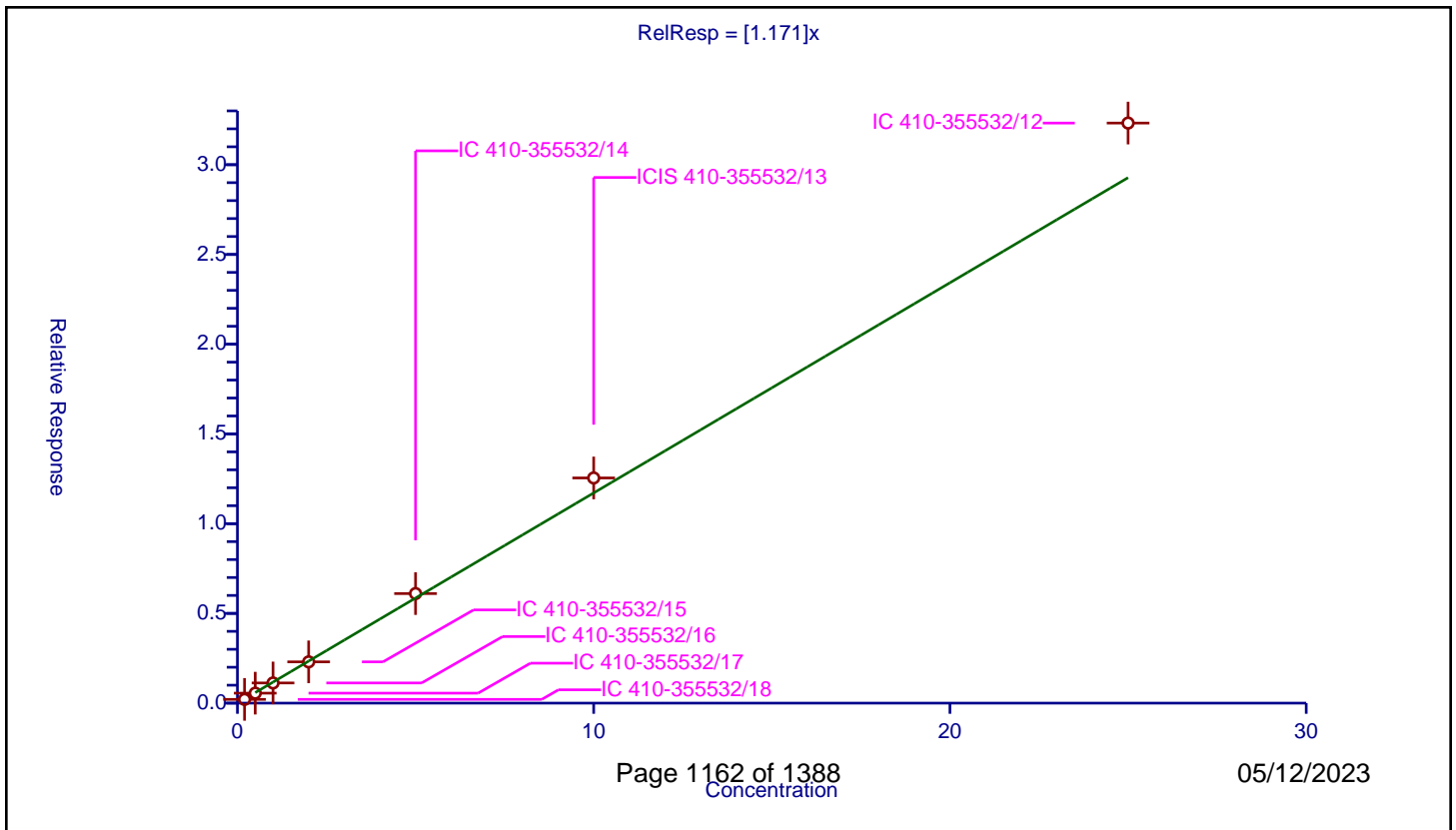
/ 1,3,5-Trichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.171

Error Coefficients	
Standard Error:	1770000
Relative Standard Error:	7.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.209043	10.0	1096665.0	1.045214	Y
2	IC 410-355532/17	0.5	0.555589	10.0	1099896.0	1.111178	Y
3	IC 410-355532/16	1.0	1.123628	10.0	1128630.0	1.123628	Y
4	IC 410-355532/15	2.0	2.299559	10.0	1126529.0	1.14978	Y
5	IC 410-355532/14	5.0	6.104838	10.0	1162953.0	1.220968	Y
6	ICIS 410-355532/13	10.0	12.547046	10.0	1169233.0	1.254705	Y
7	IC 410-355532/12	25.0	32.321453	10.0	1240232.0	1.292858	Y



Calibration

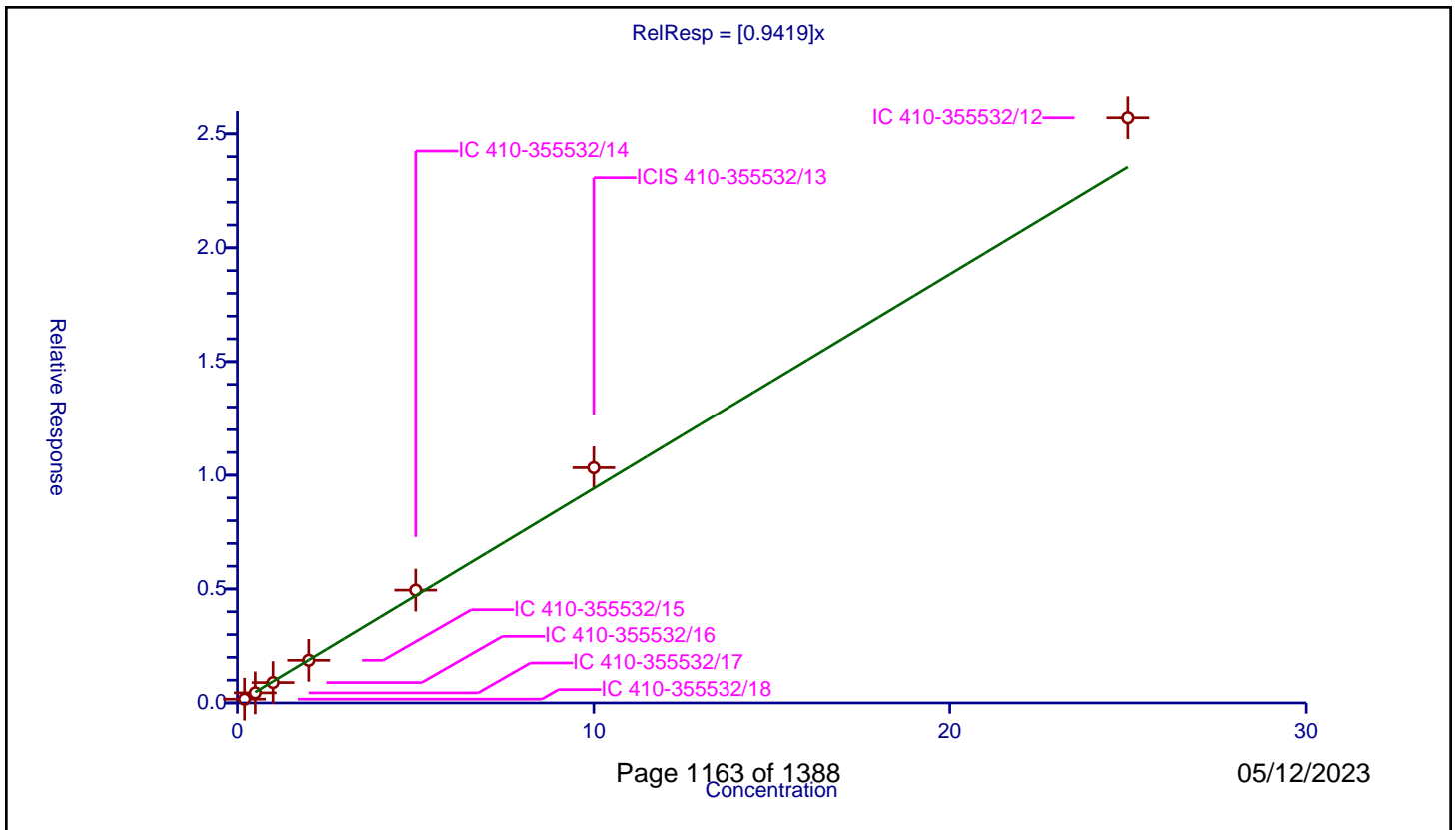
/ 1,2,4-Trichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9419

Error Coefficients	
Standard Error:	1410000
Relative Standard Error:	8.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.165748	10.0	1096665.0	0.82874	Y
2	IC 410-355532/17	0.5	0.442296	10.0	1099896.0	0.884593	Y
3	IC 410-355532/16	1.0	0.893349	10.0	1128630.0	0.893349	Y
4	IC 410-355532/15	2.0	1.870844	10.0	1126529.0	0.935422	Y
5	IC 410-355532/14	5.0	4.950123	10.0	1162953.0	0.990025	Y
6	ICIS 410-355532/13	10.0	10.329327	10.0	1169233.0	1.032933	Y
7	IC 410-355532/12	25.0	25.705545	10.0	1240232.0	1.028222	Y



Calibration

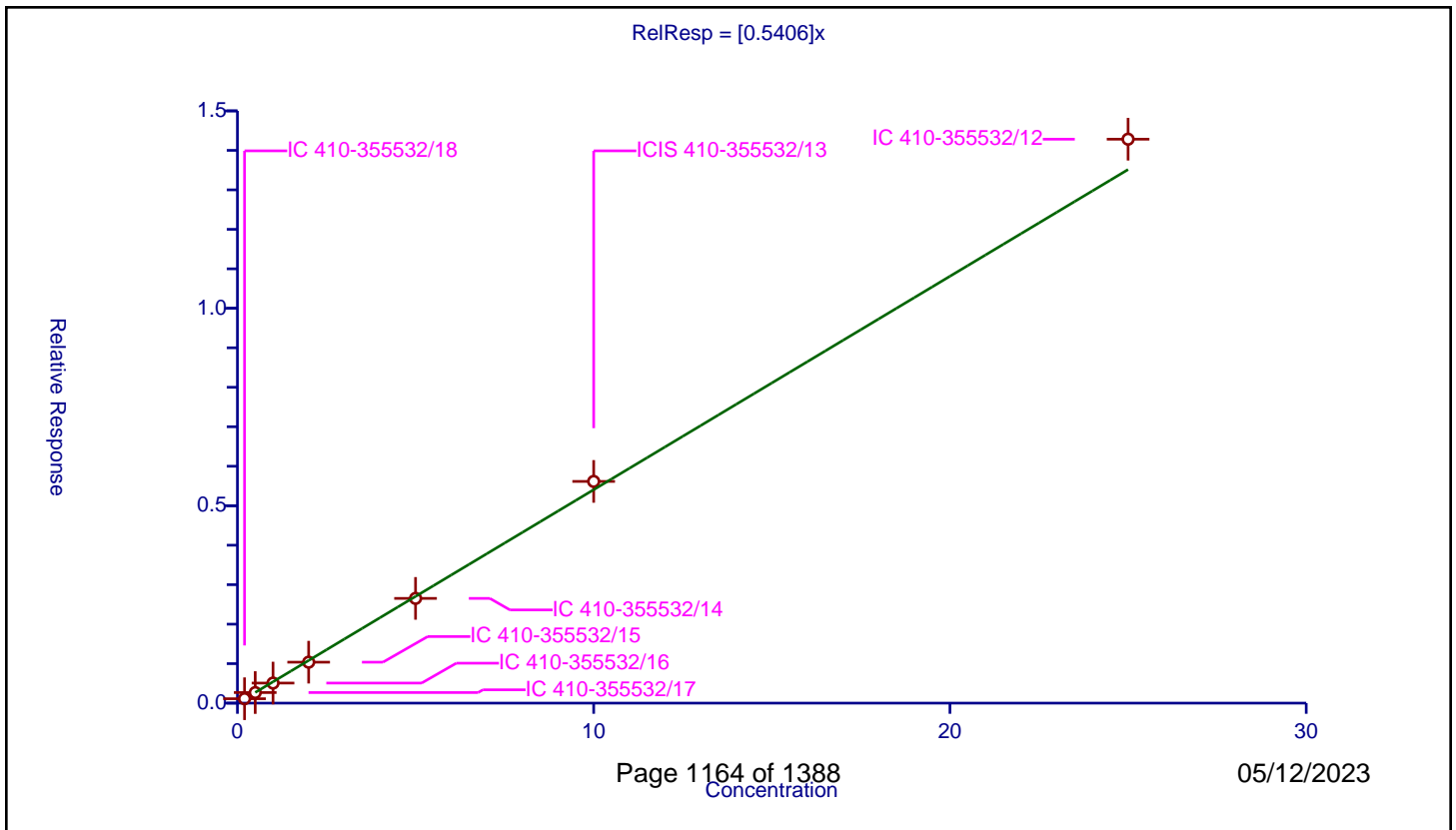
/ Hexachlorobutadiene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5406

Error Coefficients	
Standard Error:	783000
Relative Standard Error:	4.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-355532/18	0.2	0.111657	10.0	1096665.0	0.558284	Y
2	IC 410-355532/17	0.5	0.267798	10.0	1099896.0	0.535596	Y
3	IC 410-355532/16	1.0	0.508236	10.0	1128630.0	0.508236	Y
4	IC 410-355532/15	2.0	1.036937	10.0	1126529.0	0.518469	Y
5	IC 410-355532/14	5.0	2.652996	10.0	1162953.0	0.530599	Y
6	ICIS 410-355532/13	10.0	5.615177	10.0	1169233.0	0.561518	Y
7	IC 410-355532/12	25.0	14.282981	10.0	1240232.0	0.571319	Y



Calibration

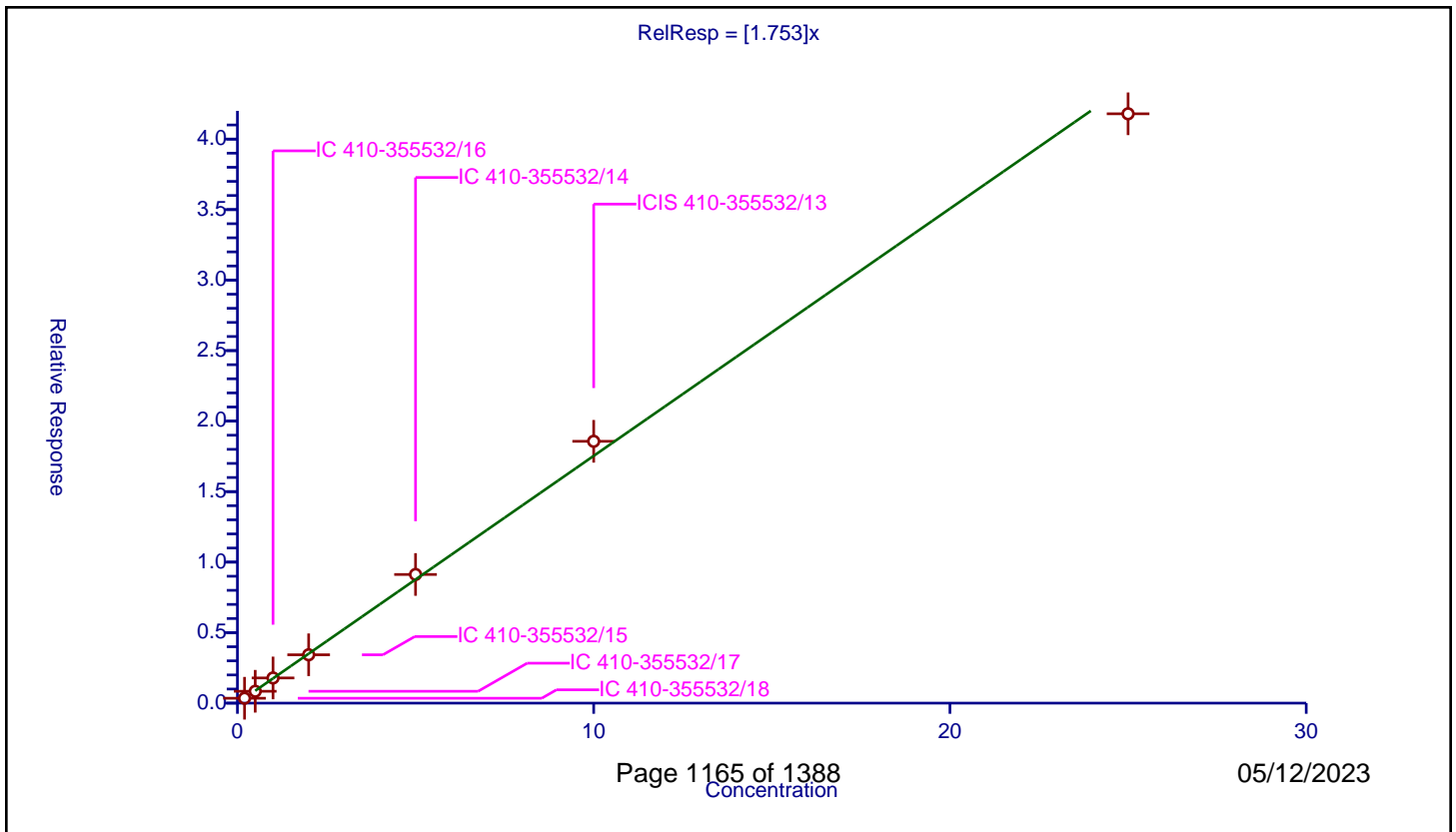
/ Naphthalene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.753

Error Coefficients	
Standard Error:	2340000
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 410-355532/18	0.2	0.347253	10.0	1096665.0	1.736264	Y
2	IC 410-355532/17	0.5	0.841598	10.0	1099896.0	1.683196	Y
3	IC 410-355532/16	1.0	1.785971	10.0	1128630.0	1.785971	Y
4	IC 410-355532/15	2.0	3.429881	10.0	1126529.0	1.71494	Y
5	IC 410-355532/14	5.0	9.123885	10.0	1162953.0	1.824777	Y
6	ICIS 410-355532/13	10.0	18.5673	10.0	1169233.0	1.85673	Y
7	IC 410-355532/12	25.0	41.793511	10.0	1240232.0	1.67174	Y



Calibration

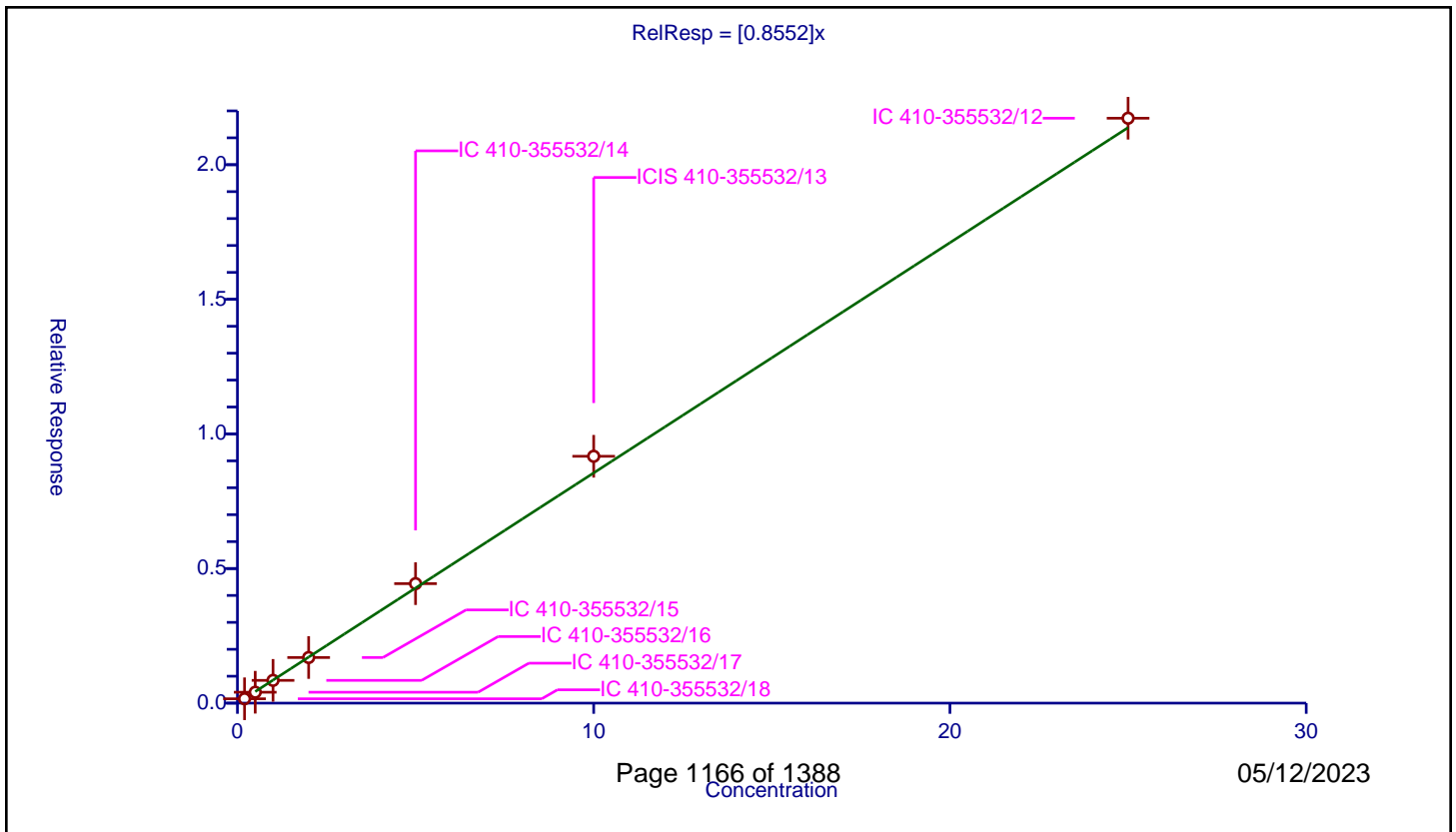
/ 1,2,3-Trichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8552

Error Coefficients	
Standard Error:	1210000
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 410-355532/18	0.2	0.161991	10.0	1096665.0	0.809956	Y
2	IC 410-355532/17	0.5	0.405102	10.0	1099896.0	0.810204	Y
3	IC 410-355532/16	1.0	0.845264	10.0	1128630.0	0.845264	Y
4	IC 410-355532/15	2.0	1.694373	10.0	1126529.0	0.847186	Y
5	IC 410-355532/14	5.0	4.438391	10.0	1162953.0	0.887678	Y
6	ICIS 410-355532/13	10.0	9.169601	10.0	1169233.0	0.91696	Y
7	IC 410-355532/12	25.0	21.727467	10.0	1240232.0	0.869099	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1

SDG No.: _____

Lab Sample ID: ICV 410-370594/21 Calibration Date: 05/01/2023 21:58

Instrument ID: 10193 Calib Start Date: 05/01/2023 19:00

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 05/01/2023 21:14

Lab File ID: CY01X20.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	0.3746	0.3662	0.1000	4.89	5.00	-2.2	30.0
Chloromethane	Ave	0.4394	0.4218	0.1000	4.80	5.00	-4.0	30.0
Vinyl chloride	Ave	0.4200	0.4228	0.1000	5.03	5.00	0.7	30.0
1,3-Butadiene	Ave	0.3904	0.3861		4.95	5.00	-1.1	30.0
Bromomethane	Ave	0.2862	0.2864	0.1000	5.00	5.00	0.1	30.0
Chloroethane	Ave	0.2468	0.2471	0.1000	5.01	5.00	0.1	30.0
Dichlorofluoromethane	Ave	0.5817	0.6002		5.16	5.00	3.2	30.0
Trichlorofluoromethane	Ave	0.5028	0.4743	0.1000	4.72	5.00	-5.7	30.0
Ethyl ether	Ave	0.2597	0.2456		4.72	4.99	-5.4	30.0
Freon 123a	Ave	0.3571	0.3780		5.29	5.00	5.8	30.0
Acrolein	Ave	2.095	2.052		36.7	37.5	-2.1	30.0
1,1-Dichloroethene	Ave	0.2530	0.2789	0.1000	5.51	5.00	10.2	30.0
Acetone	Ave	2.383	2.173	0.1000	57.0	62.5	-8.8	30.0
Freon 113	Ave	0.2569	0.2722	0.1000	5.30	5.00	5.9	30.0
Methyl iodide	Ave	0.5282	0.5456		5.16	5.00	3.3	30.0
Ethyl bromide	Ave	0.2549	0.2126		4.11	4.93	-16.6	30.0
Carbon disulfide	Ave	0.8798	0.9327	0.1000	5.30	5.00	6.0	30.0
Methyl acetate	Ave	7.642	6.785	0.1000	4.44	5.00	-11.2	30.0
Allyl chloride	Ave	0.4543	0.4733		5.21	5.00	4.2	30.0
Methylene Chloride	Ave	0.3030	0.3194	0.1000	5.27	5.00	5.4	30.0
t-Butyl alcohol	Ave	0.9587	0.9347		48.8	50.0	-2.5	30.0
Acrylonitrile	Ave	3.452	3.227		23.4	25.0	-6.5	30.0
Methyl tert-butyl ether	Ave	0.8749	0.8761	0.1000	5.01	5.00	0.1	30.0
trans-1,2-Dichloroethene	Ave	0.3094	0.3228	0.1000	5.22	5.00	4.4	30.0
n-Hexane	Ave	0.3928	0.4147		5.28	5.00	5.6	30.0
1,1-Dichloroethane	Ave	0.5599	0.5735	0.2000	5.12	5.00	2.4	30.0
di-Isopropyl ether	Ave	1.017	1.016		4.99	5.00	-0.1	30.0
2-Chloro-1,3-butadiene	Ave	0.4540	0.4817		5.31	5.00	6.1	30.0
Ethyl t-butyl ether	Ave	1.025	1.044		5.09	5.00	1.8	30.0
2-Butanone (MEK)	Ave	4.723	4.560	0.1000	60.3	62.5	-3.4	30.0
cis-1,2-Dichloroethene	Ave	0.3382	0.3673	0.1000	5.43	5.00	8.6	30.0
2,2-Dichloropropane	Ave	0.4957	0.5184		5.23	5.00	4.6	30.0
Propionitrile	Ave	1.032	1.075		39.1	37.5	4.2	30.0
Methacrylonitrile	Ave	5.067	4.868		36.0	37.5	-3.9	30.0
Bromochloromethane	Ave	0.1575	0.1667		5.29	5.00	5.9	30.0
Tetrahydrofuran	Ave	1.510	1.420		23.5	25.0	-6.0	30.0
Chloroform	Ave	0.5600	0.5691	0.2000	5.08	5.00	1.6	30.0
1,1,1-Trichloroethane	Ave	0.4938	0.5227	0.1000	5.29	5.00	5.9	30.0
Cyclohexane	Ave	0.5017	0.5354	0.1000	5.34	5.00	6.7	30.0
Carbon tetrachloride	Ave	0.4227	0.4481	0.1000	5.30	5.00	6.0	30.0
1,1-Dichloropropene	Ave	0.4184	0.4591		5.49	5.00	9.7	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1
 SDG No.: _____
 Lab Sample ID: ICV 410-370594/21 Calibration Date: 05/01/2023 21:58
 Instrument ID: 10193 Calib Start Date: 05/01/2023 19:00
 GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 05/01/2023 21:14
 Lab File ID: CY01X20.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
Isobutyl alcohol	Ave	0.2421	0.2347		121	125	-3.0	30.0
Benzene	Ave	1.278	1.358	0.5000	5.31	5.00	6.3	30.0
1,2-Dichloroethane	Ave	0.3691	0.3564	0.1000	4.83	5.00	-3.5	30.0
t-Amyl methyl ether	Ave	0.9457	0.9805		5.18	5.00	3.7	30.0
n-Heptane	Ave	0.4106	0.4266		5.19	5.00	3.9	30.0
Trichloroethene	Ave	0.3389	0.3502	0.2000	5.17	5.00	3.3	30.0
n-Butanol	Lin1		0.1662		204	250	-18.6	30.0
Methylcyclohexane	Ave	0.5436	0.5883	0.1000	5.41	5.00	8.2	30.0
1,2-Dichloropropane	Ave	0.3354	0.3425	0.1000	5.11	5.00	2.1	30.0
Dibromomethane	Ave	0.1658	0.1694		5.11	5.00	2.2	30.0
Methyl methacrylate	Ave	9.96	9.402		4.72	5.00	-5.6	30.0
1,4-Dioxane	Ave	0.0530	0.0561	0.0050	132	125	5.9	30.0
Bromodichloromethane	Ave	0.4233	0.4229	0.2000	5.00	5.00	-0.0	30.0
2-Nitropropane	Ave	3.183	2.986		4.69	5.00	-6.2	30.0
1-Bromo-2-chloroethane	Ave	0.3521	0.3683		5.23	5.00	4.6	30.0
cis-1,3-Dichloropropene	Ave	0.5193	0.5272	0.2000	5.08	5.00	1.5	30.0
4-Methyl-2-pentanone (MIBK)	Ave	13.09	12.47	0.1000	59.5	62.5	-4.7	30.0
Toluene	Ave	0.9210	0.9496	0.4000	5.16	5.00	3.1	30.0
trans-1,3-Dichloropropene	Ave	0.4606	0.4840	0.1000	5.25	5.00	5.1	30.0
Ethyl methacrylate	Ave	0.3729	0.3914		5.25	5.00	5.0	30.0
1,1,2-Trichloroethane	Ave	0.2739	0.2678	0.1000	4.89	5.00	-2.2	30.0
Tetrachloroethene	Ave	0.4348	0.4534	0.2000	5.21	5.00	4.3	30.0
1,3-Dichloropropane	Ave	0.4412	0.4519		5.12	5.00	2.4	30.0
2-Hexanone	Ave	8.531	8.719	0.1000	63.9	62.5	2.2	30.0
Dibromochloromethane	Ave	0.3448	0.3508		5.09	5.00	1.7	30.0
1,2-Dibromoethane (EDB)	Ave	0.2579	0.2595	0.1000	5.03	5.00	0.6	30.0
1-Chlorohexane	Ave	0.5253	0.5104		4.86	5.00	-2.8	30.0
Chlorobenzene	Ave	1.096	1.098	0.5000	5.01	5.00	0.2	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3808	0.3948		5.18	5.00	3.7	30.0
Ethylbenzene	Ave	1.777	1.849	0.1000	5.20	5.00	4.0	30.0
m&p-Xylene	Ave	0.7192	0.7441	0.1000	10.3	10.0	3.5	30.0
o-Xylene	Ave	0.7124	0.7384	0.3000	5.18	5.00	3.7	30.0
Styrene	Ave	1.163	1.234	0.3000	5.31	5.00	6.1	30.0
Bromoform	Ave	0.2176	0.2142	0.1000	4.92	5.00	-1.6	30.0
Isopropylbenzene	Ave	1.829	1.931	0.1000	5.28	5.00	5.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5598	0.5598	0.3000	5.00	5.00	0.0	30.0
Bromobenzene	Ave	0.7712	0.8041		5.21	5.00	4.3	30.0
trans-1,4-Dichloro-2-butene	Ave	0.1344	0.1426		26.5	25.0	6.1	30.0
1,2,3-Trichloropropane	Ave	0.1472	0.1489		5.06	5.00	1.1	30.0
N-Propylbenzene	Ave	3.434	3.622		5.27	5.00	5.5	30.0
2-Chlorotoluene	Ave	0.7420	0.7770		5.24	5.00	4.7	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1
 SDG No.: _____
 Lab Sample ID: ICV 410-370594/21 Calibration Date: 05/01/2023 21:58
 Instrument ID: 10193 Calib Start Date: 05/01/2023 19:00
 GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 05/01/2023 21:14
 Lab File ID: CY01X20.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
1,3,5-Trimethylbenzene	Ave	2.576	2.701		5.24	5.00	4.9	30.0
4-Chlorotoluene	Ave	0.7652	0.7954		5.20	5.00	3.9	30.0
tert-Butylbenzene	Ave	0.5916	0.6297		5.32	5.00	6.4	30.0
Pentachloroethane	Ave	0.4829	0.5376		5.57	5.00	11.3	30.0
1,2,4-Trimethylbenzene	Ave	2.657	2.779		5.23	5.00	4.6	30.0
sec-Butylbenzene	Ave	3.264	3.495		5.35	5.00	7.1	30.0
1,3-Dichlorobenzene	Ave	1.498	1.550	0.6000	5.17	5.00	3.5	30.0
p-Isopropyltoluene	Ave	2.917	3.075		5.27	5.00	5.4	30.0
1,4-Dichlorobenzene	Ave	1.508	1.628	0.5000	5.40	5.00	7.9	30.0
1,2,3-Trimethylbenzene	Ave	1.231	1.229		4.99	5.00	-0.2	30.0
Benzyl chloride	Ave	0.2277	0.2484		5.45	5.00	9.1	30.0
n-Butylbenzene	Ave	1.357	1.449		5.34	5.00	6.8	30.0
1,2-Dichlorobenzene	Ave	1.398	1.449	0.4000	5.18	5.00	3.7	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0756	0.0747	0.0500	4.94	5.00	-1.1	30.0
1,3,5-Trichlorobenzene	Ave	1.175	1.205		5.13	5.00	2.5	30.0
1,2,4-Trichlorobenzene	Ave	0.8973	0.9753	0.2000	5.43	5.00	8.7	30.0
Hexachlorobutadiene	Ave	0.5284	0.5633		5.33	5.00	6.6	30.0
Naphthalene	Ave	1.438	1.511		5.25	5.00	5.1	30.0
1,2,3-Trichlorobenzene	Ave	0.7100	0.7540		5.31	5.00	6.2	30.0
Dibromofluoromethane (Surr)	Ave	0.2604	0.2585		9.93	10.0	-0.7	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0513	0.0538		10.5	10.0	4.8	30.0
Toluene-d8 (Surr)	Ave	1.194	1.179		9.87	10.0	-1.3	30.0
4-Bromofluorobenzene (Surr)	Ave	0.5105	0.5060		9.91	10.0	-0.9	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X20.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 01-May-2023 21:58:30 ALS Bottle#: 20 Worklist Smp#: 21
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0082854-021
 Misc. Info.: ICV
 Operator ID: knk41612 Instrument ID: 10193
 Sublist:
 Method: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-May-2023 11:15:25 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1650

First Level Reviewer: DVW2

Date: 02-May-2023 07:55:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.727	1.733	-0.006	99	352840	5.00	4.89	Ma
5 Chloromethane	50	1.898	1.898	0.000	99	406387	5.00	4.80	
6 Vinyl chloride	62	1.989	1.995	-0.006	98	407327	5.00	5.03	
7 Butadiene	39	2.008	2.008	0.000	92	371971	5.00	4.95	
9 Bromomethane	94	2.282	2.282	0.000	91	275973	5.00	5.00	
10 Chloroethane	64	2.337	2.337	0.000	100	238062	5.00	5.01	
11 Dichlorofluoromethane	67	2.550	2.556	-0.006	97	578293	5.00	5.16	
12 Trichlorofluoromethane	101	2.605	2.605	0.000	98	456996	5.00	4.72	
13 Pentane	43	2.605	2.611	-0.006	97	442835	5.00	5.57	
14 Ethyl ether	59	2.788	2.788	0.000	92	236085	4.99	4.72	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.879	2.879	0.000	93	364196	5.00	5.29	
17 Acrolein	56	2.934	2.934	0.000	99	253678	37.5	36.7	
18 1,1-Dichloroethene	96	3.050	3.050	0.000	98	268693	5.00	5.51	
20 Acetone	43	3.080	3.074	0.006	99	447920	62.5	57.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.093	3.093	0.000	92	262206	5.00	5.30	
22 Iodomethane	142	3.215	3.215	0.000	98	525646	5.00	5.16	
24 Isopropyl alcohol	45	3.202	3.227	-0.025	31	51307	37.5	33.7	
23 Ethyl bromide	108	3.233	3.239	-0.006	98	201821	4.93	4.11	
25 Carbon disulfide	76	3.300	3.300	0.000	100	898588	5.00	5.30	
26 Methyl acetate	43	3.428	3.428	0.000	37	111858	5.00	4.44	
29 3-Chloro-1-propene	41	3.440	3.446	-0.006	90	455999	5.00	5.21	
30 Methylene Chloride	84	3.605	3.605	0.000	91	307773	5.00	5.27	
* 31 t-Butyl alcohol-d10 (IS)	65	3.672	3.641	0.031	93	164868	50.0	50.0	
32 2-Methyl-2-propanol	59	3.757	3.769	-0.012	94	154106	50.0	48.8	
33 Acrylonitrile	53	3.910	3.910	0.000	99	266051	25.0	23.4	
34 Methyl tert-butyl ether	73	3.952	3.952	0.000	93	844042	5.00	5.01	
35 trans-1,2-Dichloroethene	96	3.952	3.952	0.000	99	311051	5.00	5.22	
36 Hexane	57	4.342	4.349	-0.007	92	399540	5.00	5.28	
37 1,1-Dichloroethane	63	4.580	4.586	-0.006	96	552523	5.00	5.12	
39 Isopropyl ether	45	4.653	4.653	0.000	94	978562	5.00	4.99	

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	4.696	4.696	0.000	90	464096	5.00	5.31	
41 Tert-butyl ethyl ether	59	5.196	5.208	-0.012	97	1005491	5.00	5.09	
42 2-Butanone (MEK)	43	5.415	5.409	0.006	99	939742	62.5	60.3	
43 cis-1,2-Dichloroethene	96	5.446	5.446	0.000	82	353900	5.00	5.43	
44 2,2-Dichloropropane	77	5.452	5.452	0.000	86	499460	5.00	5.23	
45 Propionitrile	54	5.531	5.507	0.024	97	132890	37.5	39.1	
47 Methacrylonitrile	67	5.720	5.720	0.000	92	601883	37.5	36.0	
48 Chlorobromomethane	128	5.781	5.781	0.000	91	160583	5.00	5.29	
49 Tetrahydrofuran	71	5.787	5.787	0.000	72	117034	25.0	23.5	
50 Chloroform	83	5.940	5.940	0.000	93	548261	5.00	5.08	
53 1,1,1-Trichloroethane	97	6.159	6.159	0.000	97	503643	5.00	5.29	
\$ 54 Dibromofluoromethane (Surr)	113	6.165	6.165	0.000	94	498197	10.0	9.93	
55 Cyclohexane	56	6.251	6.257	-0.006	90	515808	5.00	5.34	
56 Carbon tetrachloride	117	6.373	6.373	0.000	97	431681	5.00	5.30	
57 1,1-Dichloropropene	75	6.379	6.379	0.000	96	442303	5.00	5.49	
58 Isobutyl alcohol	41	6.629	6.604	0.025	84	96749	125.0	121.2	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.616	6.616	0.000	99	103649	10.0	10.5	
60 Benzene	78	6.647	6.647	0.000	97	1308585	5.00	5.31	
61 1,2-Dichloroethane	62	6.720	6.720	0.000	97	343333	5.00	4.83	
64 Tert-amyl methyl ether	73	6.860	6.860	0.000	98	944700	5.00	5.18	
* 65 Fluorobenzene (IS)	96	7.068	7.068	0.000	99	1926910	10.0	10.0	
66 n-Heptane	43	7.080	7.086	-0.006	92	410964	5.00	5.19	
67 n-Butanol	56	7.561	7.531	0.030	59	137037	250.0	203.6	
68 Trichloroethene	95	7.555	7.555	0.000	97	337398	5.00	5.17	
69 Methylcyclohexane	83	7.860	7.860	0.000	90	566791	5.00	5.41	
70 1,2-Dichloropropane	63	7.891	7.891	0.000	97	330005	5.00	5.11	
71 2-ethoxy-2-methyl butane	87	7.921	7.927	-0.006	93	527165	5.00	5.08	
72 Dibromomethane	93	8.012	8.006	0.006	87	163256	5.00	5.11	
73 Methyl methacrylate	69	8.012	8.006	0.006	91	155003	5.00	4.72	
74 1,4-Dioxane	88	8.025	8.012	0.013	30	23111	125.0	132.3	
76 Dichlorobromomethane	83	8.256	8.256	0.000	99	407468	5.00	5.00	
77 2-Nitropropane	41	8.543	8.543	0.000	98	49234	5.00	4.69	
78 1-Bromo-2-chloroethane	63	8.653	8.653	0.000	99	354826	5.00	5.23	
80 cis-1,3-Dichloropropene	75	8.829	8.829	0.000	96	507923	5.00	5.08	
82 4-Methyl-2-pentanone (MIBK)	43	9.037	9.037	0.000	96	2569662	62.5	59.5	
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	93	2136096	10.0	9.87	
84 Toluene	92	9.250	9.250	0.000	98	860327	5.00	5.16	
85 trans-1,3-Dichloropropene	75	9.555	9.555	0.000	93	438467	5.00	5.25	
86 Ethyl methacrylate	69	9.640	9.634	0.006	89	354578	5.00	5.25	
87 1,1,2-Trichloroethane	97	9.774	9.768	0.006	91	242662	5.00	4.89	
88 Tetrachloroethene	166	9.854	9.854	0.000	98	410746	5.00	5.21	
89 1,3-Dichloropropane	76	9.945	9.945	0.000	91	409431	5.00	5.12	
106 2-Hexanone	43	10.024	10.018	0.006	96	1796917	62.5	63.9	
108 Chlorodibromomethane	129	10.171	10.171	0.000	90	317806	5.00	5.09	
110 Ethylene Dibromide	107	10.280	10.280	0.000	99	235072	5.00	5.03	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.744	0.000	85	1812010	10.0	10.0	
112 1-Chlorohexane	91	10.768	10.768	0.000	98	462433	5.00	4.86	
113 Chlorobenzene	112	10.768	10.774	-0.006	97	995179	5.00	5.01	
114 1,1,1,2-Tetrachloroethane	131	10.859	10.859	0.000	96	357668	5.00	5.18	
115 Ethylbenzene	91	10.866	10.866	0.000	98	1674837	5.00	5.20	
116 m-Xylene & p-Xylene	106	10.994	10.987	0.007	97	1348316	10.0	10.3	
118 o-Xylene	106	11.335	11.335	0.000	96	669014	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
119 Styrene	104	11.353	11.353	0.000	95	1118458	5.00	5.31	
120 Bromoform	173	11.506	11.506	0.000	97	194089	5.00	4.92	
121 Isopropylbenzene	105	11.646	11.646	0.000	96	1749924	5.00	5.28	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	93	916928	10.0	9.91	
125 Bromobenzene	156	11.908	11.908	0.000	94	445248	5.00	5.21	
126 1,1,2,2-Tetrachloroethane	83	11.908	11.908	0.000	93	309998	5.00	5.00	
127 trans-1,4-Dichloro-2-butene	53	11.939	11.932	0.007	90	394704	25.0	26.5	
128 1,2,3-Trichloropropane	110	11.951	11.951	0.000	79	82441	5.00	5.06	
129 N-Propylbenzene	91	11.987	11.987	0.000	99	2005544	5.00	5.27	
130 2-Chlorotoluene	126	12.060	12.060	0.000	97	430241	5.00	5.24	
131 1,3,5-Trimethylbenzene	105	12.134	12.134	0.000	94	1495942	5.00	5.24	
132 4-Chlorotoluene	126	12.158	12.158	0.000	97	440458	5.00	5.20	
133 tert-Butylbenzene	134	12.377	12.377	0.000	93	348705	5.00	5.32	
134 Pentachloroethane	167	12.408	12.408	0.000	89	297713	5.00	5.57	
135 1,2,4-Trimethylbenzene	105	12.420	12.420	0.000	98	1538705	5.00	5.23	
136 sec-Butylbenzene	105	12.542	12.542	0.000	94	1935387	5.00	5.35	
137 1,3-Dichlorobenzene	146	12.640	12.640	0.000	99	858268	5.00	5.17	
138 4-Isopropyltoluene	119	12.658	12.658	0.000	97	1702634	5.00	5.27	
* 139 1,4-Dichlorobenzene-d4	152	12.701	12.701	0.000	93	1107496	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.719	12.719	0.000	95	901632	5.00	5.40	
141 1,2,3-Trimethylbenzene	120	12.731	12.731	0.000	98	680508	5.00	4.99	
142 Benzyl chloride	126	12.798	12.798	0.000	98	137551	5.00	5.45	
145 p-Diethylbenzene	119	12.932	12.932	0.000	94	1051776	5.00	5.29	
143 n-Butylbenzene	92	12.957	12.957	0.000	97	802628	5.00	5.34	
144 1,2-Dichlorobenzene	146	12.981	12.981	0.000	99	802589	5.00	5.18	
148 1,2-Dibromo-3-Chloropropane	155	13.542	13.536	0.006	89	41376	5.00	4.94	
149 1,3,5-Trichlorobenzene	180	13.664	13.664	0.000	98	667310	5.00	5.13	
150 1,2,4-Trichlorobenzene	180	14.097	14.091	0.006	94	540054	5.00	5.43	
151 Hexachlorobutadiene	225	14.176	14.176	0.000	96	311936	5.00	5.33	
152 Naphthalene	128	14.273	14.273	0.000	97	836718	5.00	5.25	
153 1,2,3-Trichlorobenzene	180	14.420	14.420	0.000	96	417539	5.00	5.31	
154 2-Methylnaphthalene	142	15.017	15.017	0.000	92	336874	5.00	4.35	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LCS_VOC#1_00107

Amount Added: 12.50

Units: uL

MSV_QC_Gas826_00137

Amount Added: 12.50

Units: uL

MSV_LCS_EE_00005

Amount Added: 12.50

Units: uL

LCS_ETBR_00005

Amount Added: 12.50

Units: uL

MSV_LCS_ACROL_00111

Amount Added: 12.50

Units: uL

MSV_LCS_Penta_00028

Amount Added: 12.50

Units: uL

MSV_HP25_ISSS_00068

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromf\Lancaster\ChromData\10193\20230501-82854.b\CY01X20.D

Injection Date: 01-May-2023 21:58:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: ICV

Worklist Smp#: 21

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

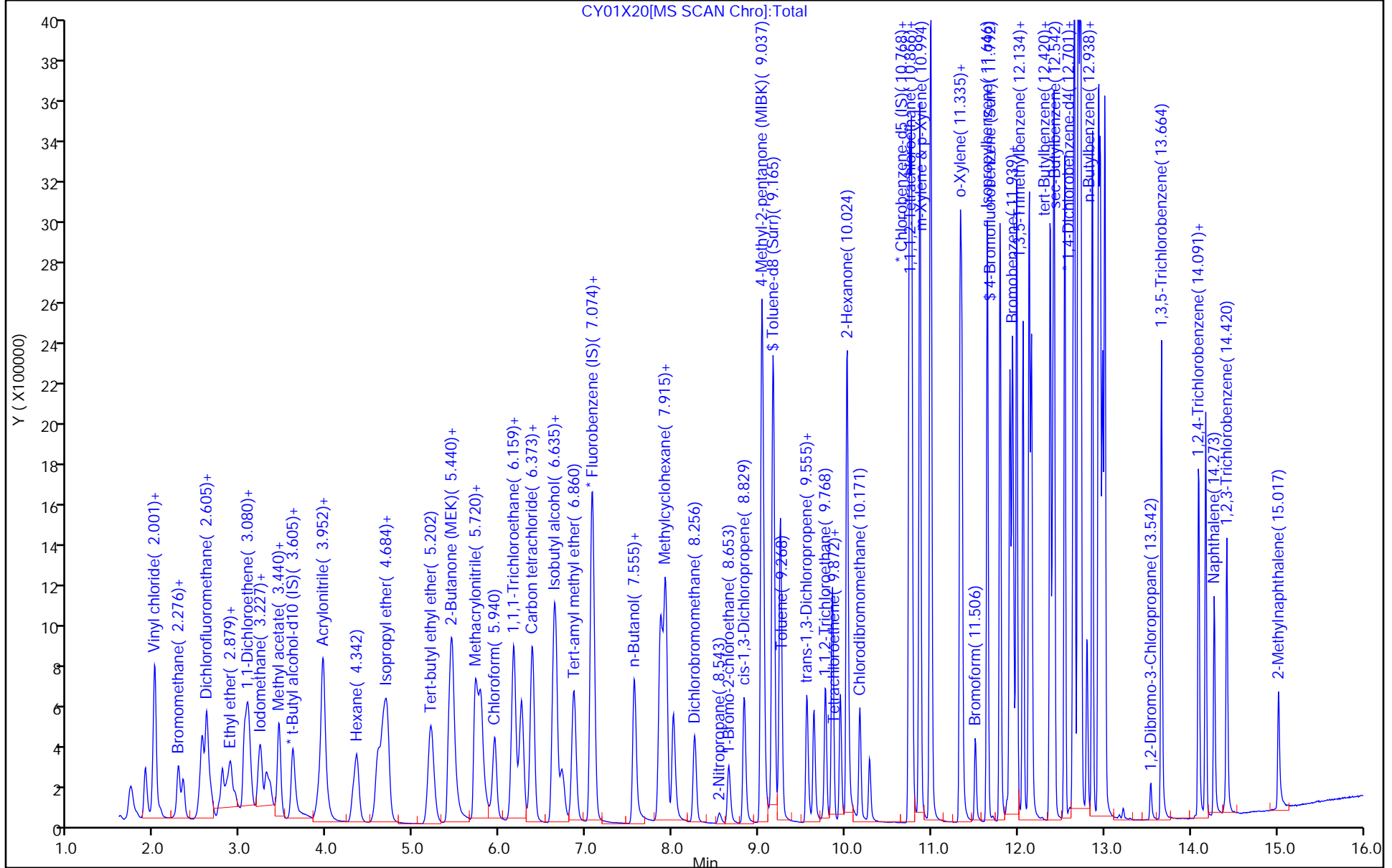
ALS Bottle#: 20

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



Eurofins Lancaster Laboratories Environment Testing, LLC

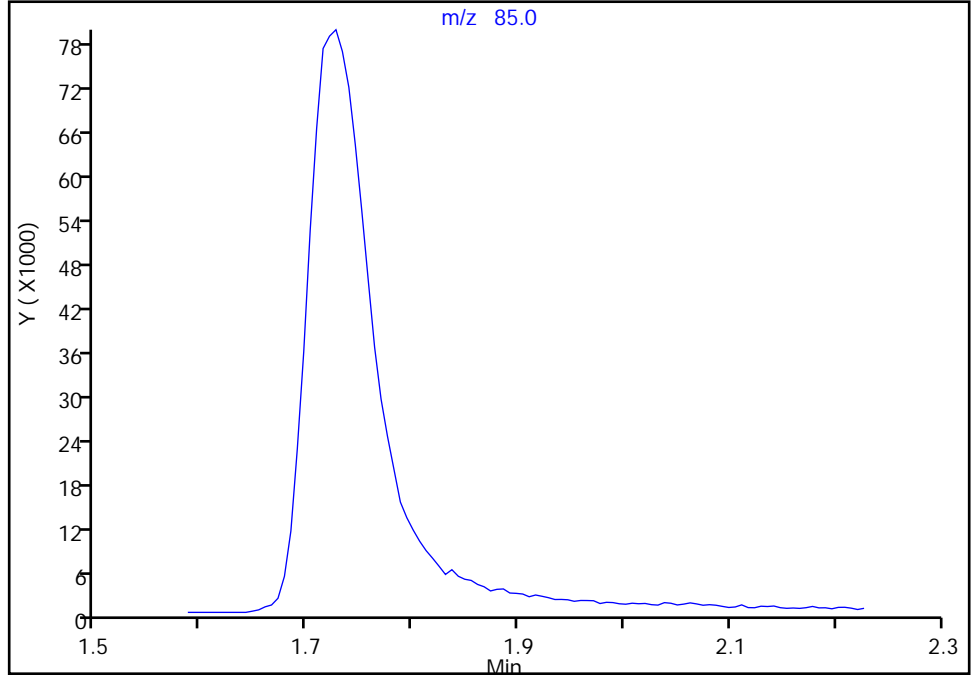
Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X20.D
Injection Date: 01-May-2023 21:58:30 Instrument ID: 10193
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

2 Dichlorodifluoromethane, CAS: 75-71-8

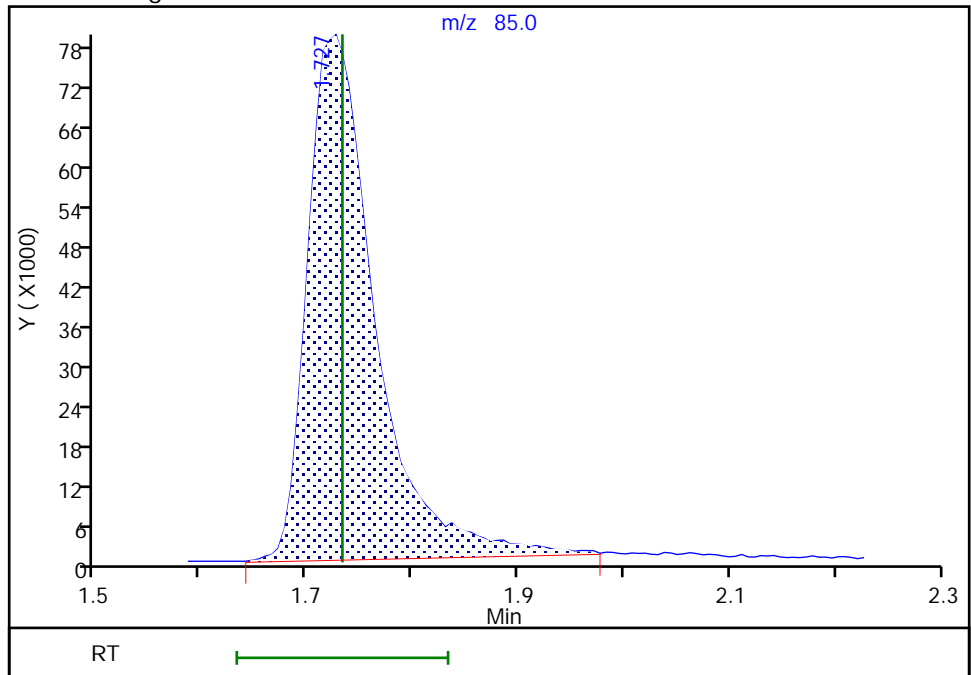
Signal: 1

Not Detected
Expected RT: 1.73

Processing Integration Results



Manual Integration Results



RT: 1.73
Area: 352840
Amount: 4.888687
Amount Units: ug/l

Reviewer: DVW2, 02-May-2023 07:54:38 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1
 SDG No.: _____
 Lab Sample ID: CCVIS 410-371870/3 Calibration Date: 05/03/2023 20:47
 Instrument ID: 10193 Calib Start Date: 05/01/2023 19:00
 GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 05/01/2023 21:14
 Lab File ID: CY03X01.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	0.3746	0.2945	0.1000	7.86	10.0	-21.4*	20.0
Chloromethane	Ave	0.4394	0.3684	0.1000	8.39	10.0	-16.1	20.0
Vinyl chloride	Ave	0.4200	0.3386	0.1000	8.06	10.0	-19.4	20.0
1,3-Butadiene	Ave	0.3904	0.6518		16.7	10.0	67.0*	20.0
Bromomethane	Ave	0.2862	0.2209	0.1000	7.72	10.0	-22.8*	20.0
Chloroethane	Ave	0.2468	0.1962	0.1000	7.95	10.0	-20.5*	20.0
Dichlorofluoromethane	Ave	0.5817	0.4804		8.26	10.0	-17.4	20.0
Trichlorofluoromethane	Ave	0.5028	0.4225	0.1000	8.40	10.0	-16.0	20.0
Ethyl ether	Ave	0.2597	0.2207		8.50	10.0	-15.0	20.0
Freon 123a	Ave	0.3571	0.3003		8.41	10.0	-15.9	20.0
Acrolein	Ave	2.095	2.136		510	500	1.9	20.0
1,1-Dichloroethene	Ave	0.2530	0.2151	0.1000	8.50	10.0	-15.0	20.0
Acetone	Ave	2.383	2.561	0.1000	108	100	7.5	20.0
Freon 113	Ave	0.2569	0.2239	0.1000	8.72	10.0	-12.8	20.0
Methyl iodide	Ave	0.5282	0.4524		8.57	10.0	-14.3	20.0
Ethyl bromide	Ave	0.2549	0.2142		8.42	10.0	-15.9	20.0
Carbon disulfide	Ave	0.8798	0.7023	0.1000	7.98	10.0	-20.2*	20.0
Methyl acetate	Ave	7.642	7.642	0.1000	10.0	10.0	0.0	20.0
Allyl chloride	Ave	0.4543	0.3838		8.45	10.0	-15.5	20.0
Methylene Chloride	Ave	0.3030	0.2661	0.1000	8.78	10.0	-12.2	20.0
t-Butyl alcohol	Ave	0.9587	1.061		221	200	10.7	20.0
Acrylonitrile	Ave	3.452	3.531		25.6	25.0	2.3	20.0
Methyl tert-butyl ether	Ave	0.8749	0.7625	0.1000	8.71	10.0	-12.9	20.0
trans-1,2-Dichloroethene	Ave	0.3094	0.2677	0.1000	8.65	10.0	-13.5	20.0
n-Hexane	Ave	0.3928	0.3324		8.46	10.0	-15.4	20.0
1,1-Dichloroethane	Ave	0.5599	0.4895	0.2000	8.74	10.0	-12.6	20.0
di-Isopropyl ether	Ave	1.017	0.8977		8.83	10.0	-11.7	20.0
2-Chloro-1,3-butadiene	Ave	0.4540	0.4010		8.83	10.0	-11.7	20.0
Ethyl t-butyl ether	Ave	1.025	0.8937		8.72	10.0	-12.8	20.0
2-Butanone (MEK)	Ave	4.723	4.873	0.1000	103	100	3.2	20.0
cis-1,2-Dichloroethene	Ave	0.3382	0.3046	0.1000	9.01	10.0	-9.9	20.0
2,2-Dichloropropane	Ave	0.4957	0.4103		8.28	10.0	-17.2	20.0
Propionitrile	Ave	1.032	1.245		241	200	20.7*	20.0
Methacrylonitrile	Ave	5.067	5.100		101	100	0.6	20.0
Bromochloromethane	Ave	0.1575	0.1388		8.81	10.0	-11.9	20.0
Tetrahydrofuran	Ave	1.510	1.471		48.7	50.0	-2.6	20.0
Chloroform	Ave	0.5600	0.4951	0.2000	8.84	10.0	-11.6	20.0
1,1,1-Trichloroethane	Ave	0.4938	0.4245	0.1000	8.60	10.0	-14.0	20.0
Cyclohexane	Ave	0.5017	0.4259	0.1000	8.49	10.0	-15.1	20.0
Carbon tetrachloride	Ave	0.4227	0.3752	0.1000	8.88	10.0	-11.2	20.0
1,1-Dichloropropene	Ave	0.4184	0.3653		8.73	10.0	-12.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1

SDG No.: _____

Lab Sample ID: CCVIS 410-371870/3 Calibration Date: 05/03/2023 20:47

Instrument ID: 10193 Calib Start Date: 05/01/2023 19:00

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 05/01/2023 21:14

Lab File ID: CY03X01.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
Isobutyl alcohol	Ave	0.2421	0.3187		658	500	31.6*	20.0
Benzene	Ave	1.278	1.136	0.5000	8.89	10.0	-11.1	20.0
1,2-Dichloroethane	Ave	0.3691	0.3183	0.1000	8.62	10.0	-13.8	20.0
t-Amyl methyl ether	Ave	0.9457	0.8350		8.83	10.0	-11.7	20.0
n-Heptane	Ave	0.4106	0.3660		8.91	10.0	-10.9	20.0
n-Butanol	Lin1		0.2740		978	875	11.7	20.0
Trichloroethene	Ave	0.3389	0.3033	0.2000	8.95	10.0	-10.5	20.0
Methylcyclohexane	Ave	0.5436	0.4756	0.1000	8.75	10.0	-12.5	20.0
1,2-Dichloropropane	Ave	0.3354	0.3033	0.1000	9.04	10.0	-9.6	20.0
1,4-Dioxane	Ave	0.0530	0.0668	0.0050	631	500	26.2*	20.0
Dibromomethane	Ave	0.1658	0.1455		8.78	10.0	-12.2	20.0
Methyl methacrylate	Ave	9.96	9.854		9.89	10.0	-1.1	20.0
Bromodichloromethane	Ave	0.4233	0.3780	0.2000	8.93	10.0	-10.7	20.0
2-Nitropropane	Ave	3.183	3.157		49.6	50.0	-0.8	20.0
1-Bromo-2-chloroethane	Ave	0.3521	0.3150		8.95	10.0	-10.5	20.0
cis-1,3-Dichloropropene	Ave	0.5193	0.4695	0.2000	9.04	10.0	-9.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	13.09	13.33	0.1000	102	100	1.9	20.0
Toluene	Ave	0.9210	0.9534	0.4000	10.4	10.0	3.5	20.0
trans-1,3-Dichloropropene	Ave	0.4606	0.5028	0.1000	10.9	10.0	9.2	20.0
Ethyl methacrylate	Ave	0.3729	0.4179		11.2	10.0	12.1	20.0
1,1,2-Trichloroethane	Ave	0.2739	0.2869	0.1000	10.5	10.0	4.7	20.0
Tetrachloroethene	Ave	0.4348	0.4464	0.2000	10.3	10.0	2.7	20.0
1,3-Dichloropropane	Ave	0.4412	0.4736		10.7	10.0	7.3	20.0
2-Hexanone	Ave	8.531	9.017	0.1000	106	100	5.7	20.0
Dibromochloromethane	Ave	0.3448	0.3654		10.6	10.0	6.0	20.0
1,2-Dibromoethane (EDB)	Ave	0.2579	0.2770	0.1000	10.7	10.0	7.4	20.0
1-Chlorohexane	Ave	0.5253	0.5318		10.1	10.0	1.2	20.0
Chlorobenzene	Ave	1.096	1.145	0.5000	10.4	10.0	4.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3808	0.3975		10.4	10.0	4.4	20.0
Ethylbenzene	Ave	1.777	1.896	0.1000	10.7	10.0	6.7	20.0
m&p-Xylene	Ave	0.7192	0.7558	0.1000	21.0	20.0	5.1	20.0
o-Xylene	Ave	0.7124	0.7486	0.3000	10.5	10.0	5.1	20.0
Styrene	Ave	1.163	1.268	0.3000	10.9	10.0	8.9	20.0
Bromoform	Ave	0.2176	0.2246	0.1000	10.3	10.0	3.2	20.0
Isopropylbenzene	Ave	1.829	1.934	0.1000	10.6	10.0	5.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5598	0.6298	0.3000	11.3	10.0	12.5	20.0
Bromobenzene	Ave	0.7712	0.8487		11.0	10.0	10.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1344	0.1076		80.1	100	-19.9	20.0
1,2,3-Trichloropropane	Ave	0.1472	0.1646		11.2	10.0	11.8	20.0
N-Propylbenzene	Ave	3.434	3.875		11.3	10.0	12.8	20.0
2-Chlorotoluene	Ave	0.7420	0.8124		10.9	10.0	9.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1

SDG No.: _____

Lab Sample ID: CCVIS 410-371870/3 Calibration Date: 05/03/2023 20:47

Instrument ID: 10193 Calib Start Date: 05/01/2023 19:00

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 05/01/2023 21:14

Lab File ID: CY03X01.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
1,3,5-Trimethylbenzene	Ave	2.576	2.859		11.1	10.0	11.0	20.0
4-Chlorotoluene	Ave	0.7652	0.8431		11.0	10.0	10.2	20.0
tert-Butylbenzene	Ave	0.5916	0.6263		10.6	10.0	5.9	20.0
Pentachloroethane	Ave	0.4829	0.5221		10.8	10.0	8.1	20.0
1,2,4-Trimethylbenzene	Ave	2.657	2.978		11.2	10.0	12.1	20.0
sec-Butylbenzene	Ave	3.264	3.657		11.2	10.0	12.1	20.0
1,3-Dichlorobenzene	Ave	1.498	1.706	0.6000	11.4	10.0	13.9	20.0
p-Isopropyltoluene	Ave	2.917	3.252		11.1	10.0	11.5	20.0
1,4-Dichlorobenzene	Ave	1.508	1.701	0.5000	11.3	10.0	12.8	20.0
1,2,3-Trimethylbenzene	Ave	1.231	1.354		11.0	10.0	10.0	20.0
Benzyl chloride	Ave	0.2277	0.2787		12.2	10.0	22.4*	20.0
n-Butylbenzene	Ave	1.357	1.594		11.7	10.0	17.4	20.0
1,2-Dichlorobenzene	Ave	1.398	1.597	0.4000	11.4	10.0	14.2	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0756	0.0899	0.0500	11.9	10.0	19.0	20.0
1,3,5-Trichlorobenzene	Ave	1.175	1.348		11.5	10.0	14.7	20.0
1,2,4-Trichlorobenzene	Ave	0.8973	1.082	0.2000	12.1	10.0	20.6*	20.0
Hexachlorobutadiene	Ave	0.5284	0.5782		10.9	10.0	9.4	20.0
Naphthalene	Ave	1.438	1.770		12.3	10.0	23.1*	20.0
1,2,3-Trichlorobenzene	Ave	0.7100	0.8365		11.8	10.0	17.8	20.0
Dibromofluoromethane (Surr)	Ave	0.2604	0.2461		9.45	10.0	-5.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0513	0.0501		9.76	10.0	-2.4	20.0
Toluene-d8 (Surr)	Ave	1.194	1.297		10.9	10.0	8.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5105	0.4974		9.74	10.0	-2.6	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X01.D
 Lims ID: CCVIS VSTD10
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 03-May-2023 20:47:30 ALS Bottle#: 1 Worklist Smp#: 3
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-002
 Misc. Info.: RB
 Operator ID: gaw91131 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:17:49 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: JS6E

Date: 03-May-2023 21:54:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.715	1.715	0.000	99	614089	10.0	7.86	Ma
5 Chloromethane	50	1.892	1.892	0.000	99	768371	10.0	8.39	
6 Vinyl chloride	62	1.983	1.983	0.000	98	706240	10.0	8.06	
7 Butadiene	39	1.995	1.995	0.000	91	1359320	10.0	16.7	
9 Bromomethane	94	2.270	2.270	0.000	90	460703	10.0	7.72	
10 Chloroethane	64	2.331	2.331	0.000	100	409200	10.0	7.95	
11 Dichlorofluoromethane	67	2.544	2.544	0.000	97	1001974	10.0	8.26	
13 Pentane	43	2.599	2.599	0.000	97	699805	10.0	8.13	
12 Trichlorofluoromethane	101	2.605	2.605	0.000	97	881031	10.0	8.40	
14 Ethyl ether	59	2.776	2.776	0.000	92	460288	10.0	8.50	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.873	2.873	0.000	95	626170	10.0	8.41	
17 Acrolein	56	2.928	2.928	0.000	100	3433498	500.0	509.7	
18 1,1-Dichloroethene	96	3.038	3.038	0.000	97	448579	10.0	8.50	
20 Acetone	43	3.074	3.074	0.000	100	823613	100.0	107.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.087	3.087	0.000	91	467022	10.0	8.72	
22 Iodomethane	142	3.202	3.202	0.000	98	943544	10.0	8.57	
23 Ethyl bromide	108	3.227	3.227	0.000	98	447694	10.0	8.42	
24 Isopropyl alcohol	45	3.233	3.233	0.000	45	361417	200.0	243.3	
25 Carbon disulfide	76	3.294	3.294	0.000	100	1464637	10.0	7.98	
26 Methyl acetate	43	3.416	3.416	0.000	96	245713	10.0	10.0	
29 3-Chloro-1-propene	41	3.434	3.434	0.000	91	800390	10.0	8.45	
30 Methylene Chloride	84	3.593	3.593	0.000	91	555035	10.0	8.78	
* 31 t-Butyl alcohol-d10 (IS)	65	3.629	3.629	0.000	95	160770	50.0	50.0	
32 2-Methyl-2-propanol	59	3.745	3.745	0.000	99	682560	200.0	221.4	
33 Acrylonitrile	53	3.897	3.897	0.000	98	283817	25.0	25.6	
34 Methyl tert-butyl ether	73	3.940	3.940	0.000	95	1590109	10.0	8.71	
35 trans-1,2-Dichloroethene	96	3.946	3.946	0.000	99	558350	10.0	8.65	
36 Hexane	57	4.330	4.330	0.000	92	693301	10.0	8.46	
37 1,1-Dichloroethane	63	4.574	4.574	0.000	96	1020860	10.0	8.74	
39 Isopropyl ether	45	4.641	4.641	0.000	94	1872063	10.0	8.83	

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	4.690	4.690	0.000	91	836337	10.0	8.83	
41 Tert-butyl ethyl ether	59	5.196	5.196	0.000	98	1863879	10.0	8.72	
42 2-Butanone (MEK)	43	5.409	5.409	0.000	99	1566911	100.0	103.2	
43 cis-1,2-Dichloroethene	96	5.434	5.434	0.000	87	635247	10.0	9.01	
44 2,2-Dichloropropane	77	5.446	5.446	0.000	85	855624	10.0	8.28	
45 Propionitrile	54	5.513	5.513	0.000	99	800736	200.0	241.4	
47 Methacrylonitrile	67	5.720	5.720	0.000	93	1639818	100.0	100.6	
48 Chlorobromomethane	128	5.769	5.769	0.000	91	289454	10.0	8.81	
49 Tetrahydrofuran	71	5.793	5.793	0.000	82	236466	50.0	48.7	
50 Chloroform	83	5.934	5.934	0.000	93	1032462	10.0	8.84	
53 1,1,1-Trichloroethane	97	6.153	6.153	0.000	98	885213	10.0	8.60	
\$ 54 Dibromofluoromethane (Surr)	113	6.153	6.153	0.000	78	513221	10.0	9.45	
55 Cyclohexane	56	6.245	6.245	0.000	91	888205	10.0	8.49	
56 Carbon tetrachloride	117	6.366	6.366	0.000	96	782446	10.0	8.88	
57 1,1-Dichloropropene	75	6.373	6.373	0.000	97	761832	10.0	8.73	
58 Isobutyl alcohol	41	6.598	6.598	0.000	94	512341	500.0	658.2	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.610	6.610	0.000	99	104510	10.0	9.76	
60 Benzene	78	6.641	6.641	0.000	97	2369447	10.0	8.89	
61 1,2-Dichloroethane	62	6.720	6.720	0.000	98	663886	10.0	8.62	
64 Tert-amyl methyl ether	73	6.854	6.854	0.000	98	1741315	10.0	8.83	
* 65 Fluorobenzene (IS)	96	7.061	7.061	0.000	97	2085493	10.0	10.0	
66 n-Heptane	43	7.080	7.080	0.000	93	763298	10.0	8.91	
67 n-Butanol	56	7.525	7.525	0.000	89	770858	875.0	977.8	
68 Trichloroethene	95	7.555	7.555	0.000	98	632455	10.0	8.95	
69 Methylcyclohexane	83	7.854	7.854	0.000	92	991920	10.0	8.75	
70 1,2-Dichloropropane	63	7.891	7.891	0.000	97	632474	10.0	9.04	
71 2-ethoxy-2-methyl butane	87	7.915	7.915	0.000	93	1010695	10.0	9.01	
72 Dibromomethane	93	8.006	8.006	0.000	87	303404	10.0	8.78	
73 Methyl methacrylate	69	8.006	8.006	0.000	91	316843	10.0	9.89	
74 1,4-Dioxane	88	8.006	8.006	0.000	34	107466	500.0	630.9	
76 Dichlorobromomethane	83	8.250	8.250	0.000	99	788218	10.0	8.93	
77 2-Nitropropane	41	8.537	8.537	0.000	98	507631	50.0	49.6	
78 1-Bromo-2-chloroethane	63	8.647	8.647	0.000	98	656990	10.0	8.95	
80 cis-1,3-Dichloropropene	75	8.829	8.829	0.000	96	979115	10.0	9.04	
82 4-Methyl-2-pentanone (MIBK)	43	9.037	9.037	0.000	96	4286918	100.0	101.9	
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	93	2156057	10.0	10.9	
84 Toluene	92	9.250	9.250	0.000	98	1584245	10.0	10.4	
85 trans-1,3-Dichloropropene	75	9.555	9.555	0.000	93	835532	10.0	10.9	
86 Ethyl methacrylate	69	9.634	9.634	0.000	89	694458	10.0	11.2	
87 1,1,2-Trichloroethane	97	9.768	9.768	0.000	90	476752	10.0	10.5	
88 Tetrachloroethene	166	9.854	9.854	0.000	98	741784	10.0	10.3	
89 1,3-Dichloropropane	76	9.939	9.939	0.000	91	786937	10.0	10.7	
106 2-Hexanone	43	10.018	10.018	0.000	95	2899398	100.0	105.7	
108 Chlorodibromomethane	129	10.171	10.171	0.000	90	607268	10.0	10.6	
110 Ethylene Dibromide	107	10.280	10.280	0.000	98	460261	10.0	10.7	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.744	0.000	86	1661753	10.0	10.0	
112 1-Chlorohexane	91	10.762	10.762	0.000	98	883726	10.0	10.1	
113 Chlorobenzene	112	10.768	10.768	0.000	96	1902080	10.0	10.4	
114 1,1,1,2-Tetrachloroethane	131	10.860	10.860	0.000	96	660511	10.0	10.4	
115 Ethylbenzene	91	10.866	10.866	0.000	98	3150057	10.0	10.7	
116 m-Xylene & p-Xylene	106	10.988	10.988	0.000	97	2511958	20.0	21.0	
118 o-Xylene	106	11.329	11.329	0.000	97	1243928	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	11.347	11.347	0.000	95	2106310	10.0	10.9	
120 Bromoform	173	11.506	11.506	0.000	98	373224	10.0	10.3	
121 Isopropylbenzene	105	11.646	11.646	0.000	95	3214271	10.0	10.6	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	93	826551	10.0	9.74	
125 Bromobenzene	156	11.908	11.908	0.000	94	839808	10.0	11.0	
126 1,1,2,2-Tetrachloroethane	83	11.908	11.908	0.000	92	623171	10.0	11.3	
127 trans-1,4-Dichloro-2-butene	53	11.932	11.932	0.000	91	1065135	100.0	80.1	
128 1,2,3-Trichloropropane	110	11.951	11.951	0.000	81	162859	10.0	11.2	
129 N-Propylbenzene	91	11.987	11.987	0.000	99	3834010	10.0	11.3	
130 2-Chlorotoluene	126	12.061	12.061	0.000	97	803886	10.0	10.9	
131 1,3,5-Trimethylbenzene	105	12.128	12.128	0.000	94	2828767	10.0	11.1	
132 4-Chlorotoluene	126	12.158	12.158	0.000	97	834236	10.0	11.0	
133 tert-Butylbenzene	134	12.378	12.378	0.000	93	619751	10.0	10.6	
134 Pentachloroethane	167	12.402	12.402	0.000	93	516594	10.0	10.8	
135 1,2,4-Trimethylbenzene	105	12.420	12.420	0.000	97	2946382	10.0	11.2	
136 sec-Butylbenzene	105	12.542	12.542	0.000	94	3618605	10.0	11.2	
137 1,3-Dichlorobenzene	146	12.640	12.640	0.000	98	1687661	10.0	11.4	
138 4-Isopropyltoluene	119	12.658	12.658	0.000	97	3218238	10.0	11.1	
* 139 1,4-Dichlorobenzene-d4	152	12.695	12.695	0.000	95	989484	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.713	12.713	0.000	95	1683145	10.0	11.3	
141 1,2,3-Trimethylbenzene	120	12.731	12.731	0.000	98	1340170	10.0	11.0	
142 Benzyl chloride	126	12.798	12.798	0.000	98	275740	10.0	12.2	
143 n-Butylbenzene	92	12.951	12.951	0.000	97	1576875	10.0	11.7	
144 1,2-Dichlorobenzene	146	12.981	12.981	0.000	99	1580209	10.0	11.4	
145 p-Diethylbenzene	119	13.005	13.005	0.000	86	1622349	10.0	9.13	
148 1,2-Dibromo-3-Chloropropane	155	13.542	13.542	0.000	89	88946	10.0	11.9	
149 1,3,5-Trichlorobenzene	180	13.664	13.664	0.000	98	1333793	10.0	11.5	
150 1,2,4-Trichlorobenzene	180	14.091	14.091	0.000	94	1070735	10.0	12.1	
151 Hexachlorobutadiene	225	14.176	14.176	0.000	96	572093	10.0	10.9	
152 Naphthalene	128	14.273	14.273	0.000	97	1751696	10.0	12.3	
153 1,2,3-Trichlorobenzene	180	14.420	14.420	0.000	96	827670	10.0	11.8	
154 2-Methylnaphthalene	142	15.017	15.017	0.000	93	659038	10.0	9.26	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00075

Amount Added: 10.00

Units: uL

MSV_LL_#2_826_00083

Amount Added: 10.00

Units: uL

MSV_LL_GAS826_00148

Amount Added: 10.00

Units: uL

MSV_HP25_ISSS_00069

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X01.D

Injection Date: 03-May-2023 20:47:30

Instrument ID: 10193

Operator ID: gaw91131

Lims ID: CCVIS VSTD10

Worklist Smp#: 3

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

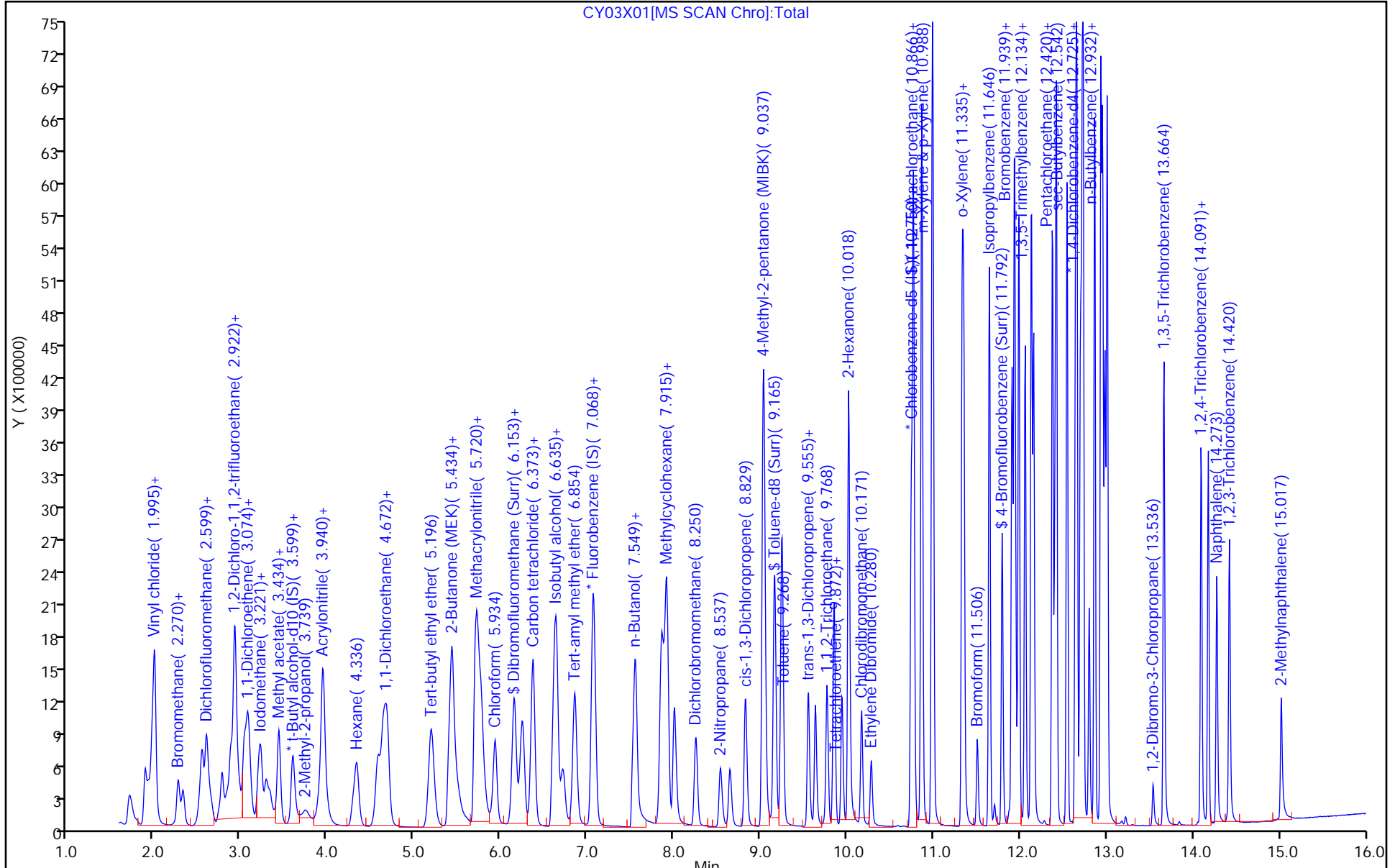
ALS Bottle#: 1

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

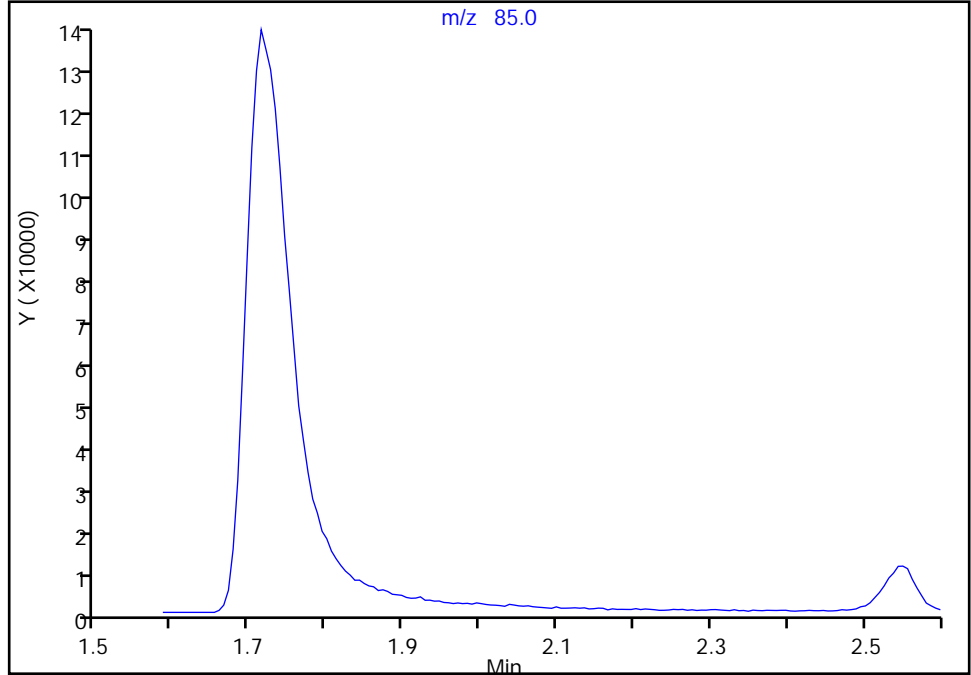
Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X01.D
Injection Date: 03-May-2023 20:47:30 Instrument ID: 10193
Lims ID: CCVIS VSTD10
Client ID:
Operator ID: gaw91131 ALS Bottle#: 1 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

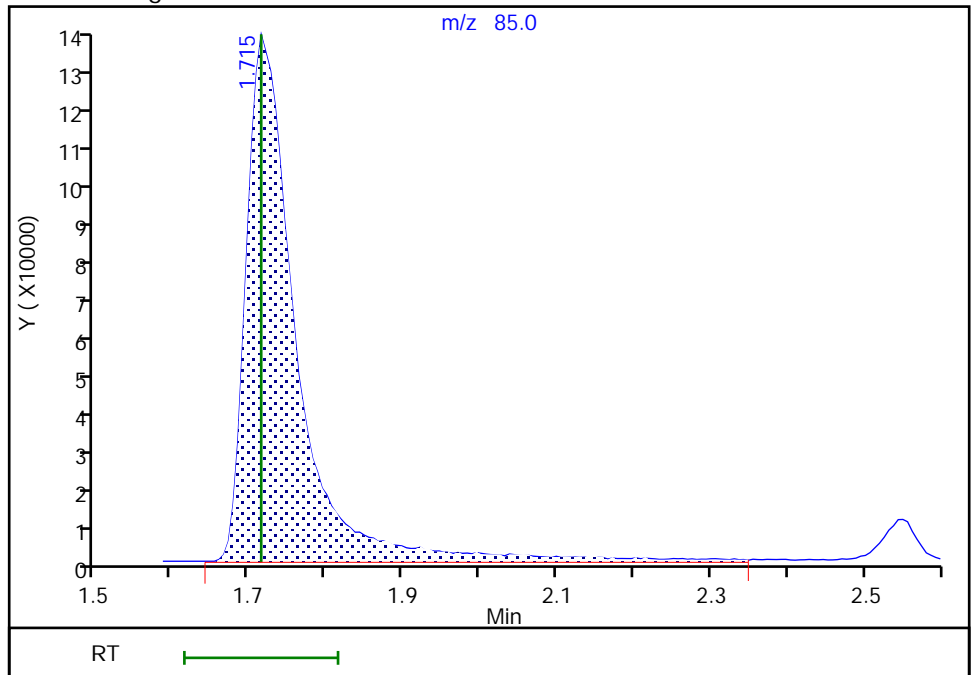
Not Detected
Expected RT: 1.71

Processing Integration Results



Manual Integration Results

RT: 1.71
Area: 614089
Amount: 7.861373
Amount Units: ug/l



Reviewer: JS6E, 03-May-2023 21:40:31 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Missed Peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1
 SDG No.: _____
 Lab Sample ID: CCVIS 410-372041/3 Calibration Date: 05/04/2023 09:16
 Instrument ID: 10193 Calib Start Date: 05/01/2023 19:00
 GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 05/01/2023 21:14
 Lab File ID: CY04X02.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	0.3746	0.2743	0.1000	7.32	10.0	-26.8*	20.0
Chloromethane	Ave	0.4394	0.3423	0.1000	7.79	10.0	-22.1*	20.0
Vinyl chloride	Ave	0.4200	0.3221	0.1000	7.67	10.0	-23.3*	20.0
1,3-Butadiene	Ave	0.3904	0.5064		13.0	10.0	29.7*	20.0
Bromomethane	Ave	0.2862	0.2169	0.1000	7.58	10.0	-24.2*	20.0
Chloroethane	Ave	0.2468	0.1937	0.1000	7.85	10.0	-21.5*	20.0
Dichlorofluoromethane	Ave	0.5817	0.4675		8.04	10.0	-19.6	20.0
Trichlorofluoromethane	Ave	0.5028	0.4165	0.1000	8.28	10.0	-17.2	20.0
Ethyl ether	Ave	0.2597	0.2172		8.37	10.0	-16.3	20.0
Freon 123a	Ave	0.3571	0.2982		8.35	10.0	-16.5	20.0
Acrolein	Ave	2.095	1.721		411	500	-17.8	20.0
1,1-Dichloroethene	Ave	0.2530	0.2181	0.1000	8.62	10.0	-13.8	20.0
Acetone	Ave	2.383	2.372	0.1000	99.6	100	-0.4	20.0
Freon 113	Ave	0.2569	0.2194	0.1000	8.54	10.0	-14.6	20.0
Methyl iodide	Ave	0.5282	0.4487		8.50	10.0	-15.0	20.0
Ethyl bromide	Ave	0.2549	0.2124		8.35	10.0	-16.7	20.0
Carbon disulfide	Ave	0.8798	0.7387	0.1000	8.40	10.0	-16.0	20.0
Methyl acetate	Ave	7.642	7.410	0.1000	9.70	10.0	-3.0	20.0
Allyl chloride	Ave	0.4543	0.3989		8.78	10.0	-12.2	20.0
Methylene Chloride	Ave	0.3030	0.2680	0.1000	8.84	10.0	-11.6	20.0
t-Butyl alcohol	Ave	0.9587	0.8051		168	200	-16.0	20.0
Acrylonitrile	Ave	3.452	3.404		24.7	25.0	-1.4	20.0
Methyl tert-butyl ether	Ave	0.8749	0.7642	0.1000	8.73	10.0	-12.7	20.0
trans-1,2-Dichloroethene	Ave	0.3094	0.2679	0.1000	8.66	10.0	-13.4	20.0
n-Hexane	Ave	0.3928	0.3540		9.01	10.0	-9.9	20.0
1,1-Dichloroethane	Ave	0.5599	0.4909	0.2000	8.77	10.0	-12.3	20.0
di-Isopropyl ether	Ave	1.017	0.8995		8.84	10.0	-11.6	20.0
2-Chloro-1,3-butadiene	Ave	0.4540	0.4124		9.08	10.0	-9.2	20.0
Ethyl t-butyl ether	Ave	1.025	0.8933		8.72	10.0	-12.8	20.0
2-Butanone (MEK)	Ave	4.723	4.772	0.1000	101	100	1.1	20.0
cis-1,2-Dichloroethene	Ave	0.3382	0.3025	0.1000	8.94	10.0	-10.6	20.0
2,2-Dichloropropane	Ave	0.4957	0.4242		8.56	10.0	-14.4	20.0
Propionitrile	Ave	1.032	1.322		256	200	28.1*	20.0
Methacrylonitrile	Ave	5.067	5.080		100	100	0.2	20.0
Bromochloromethane	Ave	0.1575	0.1373		8.72	10.0	-12.8	20.0
Tetrahydrofuran	Ave	1.510	1.377		45.6	50.0	-8.8	20.0
Chloroform	Ave	0.5600	0.4928	0.2000	8.80	10.0	-12.0	20.0
1,1,1-Trichloroethane	Ave	0.4938	0.4313	0.1000	8.73	10.0	-12.7	20.0
Cyclohexane	Ave	0.5017	0.4440	0.1000	8.85	10.0	-11.5	20.0
Carbon tetrachloride	Ave	0.4227	0.3810	0.1000	9.01	10.0	-9.9	20.0
1,1-Dichloropropene	Ave	0.4184	0.3758		8.98	10.0	-10.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1
 SDG No.: _____
 Lab Sample ID: CCVIS 410-372041/3 Calibration Date: 05/04/2023 09:16
 Instrument ID: 10193 Calib Start Date: 05/01/2023 19:00
 GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 05/01/2023 21:14
 Lab File ID: CY04X02.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
Isobutyl alcohol	Ave	0.2421	0.2664		550	500	10.0	20.0
Benzene	Ave	1.278	1.135	0.5000	8.88	10.0	-11.2	20.0
1,2-Dichloroethane	Ave	0.3691	0.3125	0.1000	8.47	10.0	-15.3	20.0
t-Amyl methyl ether	Ave	0.9457	0.8334		8.81	10.0	-11.9	20.0
n-Heptane	Ave	0.4106	0.3884		9.46	10.0	-5.4	20.0
n-Butanol	Lin1		0.2380		855	875	-2.3	20.0
Trichloroethene	Ave	0.3389	0.3014	0.2000	8.89	10.0	-11.1	20.0
Methylcyclohexane	Ave	0.5436	0.4923	0.1000	9.06	10.0	-9.4	20.0
1,2-Dichloropropane	Ave	0.3354	0.3027	0.1000	9.02	10.0	-9.8	20.0
1,4-Dioxane	Ave	0.0530	0.0609	0.0050	574	500	14.9	20.0
Dibromomethane	Ave	0.1658	0.1447		8.73	10.0	-12.7	20.0
Methyl methacrylate	Ave	9.96	9.756		9.80	10.0	-2.0	20.0
Bromodichloromethane	Ave	0.4233	0.3766	0.2000	8.90	10.0	-11.0	20.0
2-Nitropropane	Ave	3.183	3.157		49.6	50.0	-0.8	20.0
1-Bromo-2-chloroethane	Ave	0.3521	0.3169		9.00	10.0	-10.0	20.0
cis-1,3-Dichloropropene	Ave	0.5193	0.4692	0.2000	9.03	10.0	-9.7	20.0
4-Methyl-2-pentanone (MIBK)	Ave	13.09	13.33	0.1000	102	100	1.8	20.0
Toluene	Ave	0.9210	0.9386	0.4000	10.2	10.0	1.9	20.0
trans-1,3-Dichloropropene	Ave	0.4606	0.5036	0.1000	10.9	10.0	9.3	20.0
Ethyl methacrylate	Ave	0.3729	0.3981		10.7	10.0	6.8	20.0
1,1,2-Trichloroethane	Ave	0.2739	0.2755	0.1000	10.1	10.0	0.6	20.0
Tetrachloroethene	Ave	0.4348	0.4383	0.2000	10.1	10.0	0.8	20.0
1,3-Dichloropropane	Ave	0.4412	0.4603		10.4	10.0	4.3	20.0
2-Hexanone	Ave	8.531	9.132	0.1000	107	100	7.0	20.0
Dibromochloromethane	Ave	0.3448	0.3560		10.3	10.0	3.2	20.0
1,2-Dibromoethane (EDB)	Ave	0.2579	0.2688	0.1000	10.4	10.0	4.2	20.0
1-Chlorohexane	Ave	0.5253	0.5325		10.1	10.0	1.4	20.0
Chlorobenzene	Ave	1.096	1.106	0.5000	10.1	10.0	0.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3808	0.3851		10.1	10.0	1.1	20.0
Ethylbenzene	Ave	1.777	1.856	0.1000	10.4	10.0	4.5	20.0
m&p-Xylene	Ave	0.7192	0.7405	0.1000	20.6	20.0	3.0	20.0
o-Xylene	Ave	0.7124	0.7373	0.3000	10.3	10.0	3.5	20.0
Styrene	Ave	1.163	1.233	0.3000	10.6	10.0	6.0	20.0
Bromoform	Ave	0.2176	0.2206	0.1000	10.1	10.0	1.4	20.0
Isopropylbenzene	Ave	1.829	1.897	0.1000	10.4	10.0	3.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5598	0.6072	0.3000	10.8	10.0	8.5	20.0
Bromobenzene	Ave	0.7712	0.7991		10.4	10.0	3.6	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1344	0.1296		96.4	100	-3.6	20.0
1,2,3-Trichloropropane	Ave	0.1472	0.1575		10.7	10.0	7.0	20.0
N-Propylbenzene	Ave	3.434	3.750		10.9	10.0	9.2	20.0
2-Chlorotoluene	Ave	0.7420	0.7719		10.4	10.0	4.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1
 SDG No.: _____
 Lab Sample ID: CCVIS 410-372041/3 Calibration Date: 05/04/2023 09:16
 Instrument ID: 10193 Calib Start Date: 05/01/2023 19:00
 GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 05/01/2023 21:14
 Lab File ID: CY04X02.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
1,3,5-Trimethylbenzene	Ave	2.576	2.763		10.7	10.0	7.3	20.0
4-Chlorotoluene	Ave	0.7652	0.8084		10.6	10.0	5.6	20.0
tert-Butylbenzene	Ave	0.5916	0.5984		10.1	10.0	1.1	20.0
Pentachloroethane	Ave	0.4829	0.5004		10.4	10.0	3.6	20.0
1,2,4-Trimethylbenzene	Ave	2.657	2.893		10.9	10.0	8.9	20.0
sec-Butylbenzene	Ave	3.264	3.575		11.0	10.0	9.5	20.0
1,3-Dichlorobenzene	Ave	1.498	1.612	0.6000	10.8	10.0	7.6	20.0
p-Isopropyltoluene	Ave	2.917	3.159		10.8	10.0	8.3	20.0
1,4-Dichlorobenzene	Ave	1.508	1.611	0.5000	10.7	10.0	6.8	20.0
1,2,3-Trimethylbenzene	Ave	1.231	1.299		10.6	10.0	5.5	20.0
Benzyl chloride	Ave	0.2277	0.2824		12.4	10.0	24.0*	20.0
n-Butylbenzene	Ave	1.357	1.538		11.3	10.0	13.3	20.0
1,2-Dichlorobenzene	Ave	1.398	1.525	0.4000	10.9	10.0	9.1	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0756	0.0876	0.0500	11.6	10.0	16.0	20.0
1,3,5-Trichlorobenzene	Ave	1.175	1.291		11.0	10.0	9.8	20.0
1,2,4-Trichlorobenzene	Ave	0.8973	1.034	0.2000	11.5	10.0	15.2	20.0
Hexachlorobutadiene	Ave	0.5284	0.5482		10.4	10.0	3.7	20.0
Naphthalene	Ave	1.438	1.728		12.0	10.0	20.2*	20.0
1,2,3-Trichlorobenzene	Ave	0.7100	0.8233		11.6	10.0	16.0	20.0
Dibromofluoromethane (Surr)	Ave	0.2604	0.2472		9.49	10.0	-5.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0513	0.0546		10.6	10.0	6.4	20.0
Toluene-d8 (Surr)	Ave	1.194	1.280		10.7	10.0	7.2	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5105	0.5050		9.89	10.0	-1.1	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
 Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X02.D
 Lims ID: CCVIS VSTD10
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 04-May-2023 09:16:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083176-003
 Misc. Info.: CCVIS
 Operator ID: knk41612 Instrument ID: 10193
 Sublist: chrom-MSV_10193_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-May-2023 12:38:57 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1661

First Level Reviewer: DVW2 Date: 04-May-2023 10:03:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.733	1.733	0.000	99	567253	10.0	7.32	
5 Chloromethane	50	1.898	1.898	0.000	99	707861	10.0	7.79	
6 Vinyl chloride	62	1.995	1.995	0.000	98	666068	10.0	7.67	
7 Butadiene	39	2.008	2.008	0.000	93	1047279	10.0	13.0	
9 Bromomethane	94	2.282	2.282	0.000	90	448627	10.0	7.58	
10 Chloroethane	64	2.337	2.337	0.000	100	400526	10.0	7.85	
11 Dichlorofluoromethane	67	2.556	2.556	0.000	97	966807	10.0	8.04	
13 Pentane	43	2.605	2.605	0.000	97	748633	10.0	8.77	
12 Trichlorofluoromethane	101	2.617	2.617	0.000	98	861414	10.0	8.28	
14 Ethyl ether	59	2.788	2.788	0.000	92	449247	10.0	8.37	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.879	2.879	0.000	94	616619	10.0	8.35	
17 Acrolein	56	2.934	2.934	0.000	100	2773417	500.0	410.8	
18 1,1-Dichloroethene	96	3.050	3.050	0.000	97	450968	10.0	8.62	
20 Acetone	43	3.080	3.080	0.000	99	764401	100.0	99.6	M
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.093	3.093	0.000	93	453707	10.0	8.54	
24 Isopropyl alcohol	45	3.209	3.209	0.000	85	328273	200.0	220.5	
22 Iodomethane	142	3.215	3.215	0.000	98	928009	10.0	8.50	
23 Ethyl bromide	108	3.233	3.233	0.000	98	440043	10.0	8.35	
25 Carbon disulfide	76	3.306	3.306	0.000	99	1527771	10.0	8.40	
26 Methyl acetate	43	3.434	3.434	0.000	96	238779	10.0	9.70	M
29 3-Chloro-1-propene	41	3.446	3.446	0.000	91	825038	10.0	8.78	
30 Methylene Chloride	84	3.605	3.605	0.000	92	554193	10.0	8.84	
* 31 t-Butyl alcohol-d10 (IS)	65	3.660	3.660	0.000	95	161130	50.0	50.0	
32 2-Methyl-2-propanol	59	3.757	3.757	0.000	100	518887	200.0	168.0	
33 Acrylonitrile	53	3.903	3.903	0.000	98	274259	25.0	24.7	
34 Methyl tert-butyl ether	73	3.952	3.952	0.000	96	1580427	10.0	8.73	
35 trans-1,2-Dichloroethene	96	3.952	3.952	0.000	98	554139	10.0	8.66	
36 Hexane	57	4.342	4.342	0.000	93	732090	10.0	9.01	
37 1,1-Dichloroethane	63	4.586	4.586	0.000	96	1015289	10.0	8.77	
39 Isopropyl ether	45	4.659	4.659	0.000	93	1860256	10.0	8.84	

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	4.696	4.696	0.000	91	852858	10.0	9.08	
41 Tert-butyl ethyl ether	59	5.202	5.202	0.000	97	1847486	10.0	8.72	
42 2-Butanone (MEK)	43	5.415	5.415	0.000	99	1537975	100.0	101.1	
43 cis-1,2-Dichloroethene	96	5.446	5.446	0.000	83	625561	10.0	8.94	
44 2,2-Dichloropropane	77	5.458	5.458	0.000	88	877207	10.0	8.56	
45 Propionitrile	54	5.513	5.513	0.000	99	851953	200.0	256.2	
47 Methacrylonitrile	67	5.714	5.714	0.000	91	1636924	100.0	100.2	
48 Chlorobromomethane	128	5.781	5.781	0.000	93	284048	10.0	8.72	
49 Tetrahydrofuran	71	5.787	5.787	0.000	89	221854	50.0	45.6	
50 Chloroform	83	5.940	5.940	0.000	93	1019186	10.0	8.80	
53 1,1,1-Trichloroethane	97	6.159	6.159	0.000	98	892065	10.0	8.73	
\$ 54 Dibromofluoromethane (Surr)	113	6.165	6.165	0.000	94	511257	10.0	9.49	
55 Cyclohexane	56	6.251	6.251	0.000	91	918169	10.0	8.85	
56 Carbon tetrachloride	117	6.373	6.373	0.000	97	787937	10.0	9.01	
57 1,1-Dichloropropene	75	6.379	6.379	0.000	96	777182	10.0	8.98	
58 Isobutyl alcohol	41	6.610	6.610	0.000	94	429254	500.0	550.2	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.616	6.616	0.000	98	112977	10.0	10.6	
60 Benzene	78	6.647	6.647	0.000	97	2347505	10.0	8.88	
61 1,2-Dichloroethane	62	6.720	6.720	0.000	98	646303	10.0	8.47	
64 Tert-amyl methyl ether	73	6.860	6.860	0.000	99	1723510	10.0	8.81	
* 65 Fluorobenzene (IS)	96	7.061	7.061	0.000	97	2068127	10.0	10.0	
66 n-Heptane	43	7.086	7.086	0.000	91	803295	10.0	9.46	
67 n-Butanol	56	7.531	7.531	0.000	90	671137	875.0	854.8	
68 Trichloroethene	95	7.555	7.555	0.000	98	623408	10.0	8.89	
69 Methylcyclohexane	83	7.860	7.860	0.000	91	1018239	10.0	9.06	
70 1,2-Dichloropropane	63	7.891	7.891	0.000	97	625941	10.0	9.02	
71 2-ethoxy-2-methyl butane	87	7.927	7.927	0.000	93	992227	10.0	8.92	
72 Dibromomethane	93	8.006	8.006	0.000	80	299291	10.0	8.73	
73 Methyl methacrylate	69	8.006	8.006	0.000	92	314409	10.0	9.80	
74 1,4-Dioxane	88	8.006	8.006	0.000	31	98069	500.0	574.5	
76 Dichlorobromomethane	83	8.256	8.256	0.000	99	778762	10.0	8.90	
77 2-Nitropropane	41	8.543	8.543	0.000	97	508640	50.0	49.6	
78 1-Bromo-2-chloroethane	63	8.646	8.646	0.000	99	655432	10.0	9.00	
80 cis-1,3-Dichloropropene	75	8.829	8.829	0.000	96	970303	10.0	9.03	
82 4-Methyl-2-pentanone (MIBK)	43	9.037	9.037	0.000	96	4295211	100.0	101.8	
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	93	2149362	10.0	10.7	
84 Toluene	92	9.250	9.250	0.000	98	1576375	10.0	10.2	
85 trans-1,3-Dichloropropene	75	9.555	9.555	0.000	93	845735	10.0	10.9	
86 Ethyl methacrylate	69	9.640	9.640	0.000	89	668648	10.0	10.7	
87 1,1,2-Trichloroethane	97	9.774	9.774	0.000	91	462746	10.0	10.1	
88 Tetrachloroethene	166	9.854	9.854	0.000	98	736007	10.0	10.1	
89 1,3-Dichloropropane	76	9.945	9.945	0.000	91	773025	10.0	10.4	
106 2-Hexanone	43	10.018	10.018	0.000	96	2942843	100.0	107.0	
108 Chlorodibromomethane	129	10.171	10.171	0.000	90	597869	10.0	10.3	
110 Ethylene Dibromide	107	10.280	10.280	0.000	99	451350	10.0	10.4	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.744	0.000	84	1679407	10.0	10.0	
112 1-Chlorohexane	91	10.768	10.768	0.000	98	894316	10.0	10.1	
113 Chlorobenzene	112	10.774	10.774	0.000	96	1857774	10.0	10.1	
114 1,1,1,2-Tetrachloroethane	131	10.859	10.859	0.000	96	646737	10.0	10.1	
115 Ethylbenzene	91	10.866	10.866	0.000	98	3117008	10.0	10.4	
116 m-Xylene & p-Xylene	106	10.987	10.987	0.000	97	2487140	20.0	20.6	
118 o-Xylene	106	11.335	11.335	0.000	96	1238144	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	11.353	11.353	0.000	95	2070562	10.0	10.6	
120 Bromoform	173	11.506	11.506	0.000	97	370463	10.0	10.1	
121 Isopropylbenzene	105	11.646	11.646	0.000	95	3186588	10.0	10.4	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	93	848085	10.0	9.89	
125 Bromobenzene	156	11.908	11.908	0.000	92	810947	10.0	10.4	
126 1,1,2,2-Tetrachloroethane	83	11.908	11.908	0.000	91	616251	10.0	10.8	
127 trans-1,4-Dichloro-2-butene	53	11.932	11.932	0.000	91	1315479	100.0	96.4	
128 1,2,3-Trichloropropane	110	11.951	11.951	0.000	81	159848	10.0	10.7	
129 N-Propylbenzene	91	11.987	11.987	0.000	99	3805946	10.0	10.9	
130 2-Chlorotoluene	126	12.060	12.060	0.000	97	783384	10.0	10.4	
131 1,3,5-Trimethylbenzene	105	12.134	12.134	0.000	94	2804150	10.0	10.7	
132 4-Chlorotoluene	126	12.158	12.158	0.000	97	820357	10.0	10.6	
133 tert-Butylbenzene	134	12.377	12.377	0.000	93	607244	10.0	10.1	
134 Pentachloroethane	167	12.408	12.408	0.000	95	507804	10.0	10.4	
135 1,2,4-Trimethylbenzene	105	12.420	12.420	0.000	97	2935649	10.0	10.9	
136 sec-Butylbenzene	105	12.542	12.542	0.000	95	3628226	10.0	11.0	
137 1,3-Dichlorobenzene	146	12.640	12.640	0.000	99	1635990	10.0	10.8	
138 4-Isopropyltoluene	119	12.658	12.658	0.000	97	3206143	10.0	10.8	
* 139 1,4-Dichlorobenzene-d4	152	12.701	12.701	0.000	93	1014847	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.719	12.719	0.000	95	1635164	10.0	10.7	
141 1,2,3-Trimethylbenzene	120	12.731	12.731	0.000	98	1318615	10.0	10.6	
142 Benzyl chloride	126	12.798	12.798	0.000	98	286610	10.0	12.4	
145 p-Diethylbenzene	119	12.932	12.932	0.000	94	2008491	10.0	11.0	
143 n-Butylbenzene	92	12.957	12.957	0.000	97	1560953	10.0	11.3	
144 1,2-Dichlorobenzene	146	12.981	12.981	0.000	99	1547417	10.0	10.9	
148 1,2-Dibromo-3-Chloropropane	155	13.542	13.542	0.000	88	88930	10.0	11.6	
149 1,3,5-Trichlorobenzene	180	13.664	13.664	0.000	98	1309890	10.0	11.0	
150 1,2,4-Trichlorobenzene	180	14.091	14.091	0.000	94	1048951	10.0	11.5	
151 Hexachlorobutadiene	225	14.176	14.176	0.000	96	556296	10.0	10.4	
152 Naphthalene	128	14.273	14.273	0.000	97	1754030	10.0	12.0	
153 1,2,3-Trichlorobenzene	180	14.420	14.420	0.000	96	835486	10.0	11.6	
154 2-Methylnaphthalene	142	15.017	15.017	0.000	92	683426	10.0	9.36	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00075

Amount Added: 20.00

Units: uL

MSV_LL_#2_826_00083

Amount Added: 20.00

Units: uL

MSV_LL_GAS826_00148

Amount Added: 20.00

Units: uL

MSV_HP25_ISSS_00067

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X02.D

Injection Date: 04-May-2023 09:16:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: CCVIS VSTD10

Worklist Smp#: 3

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

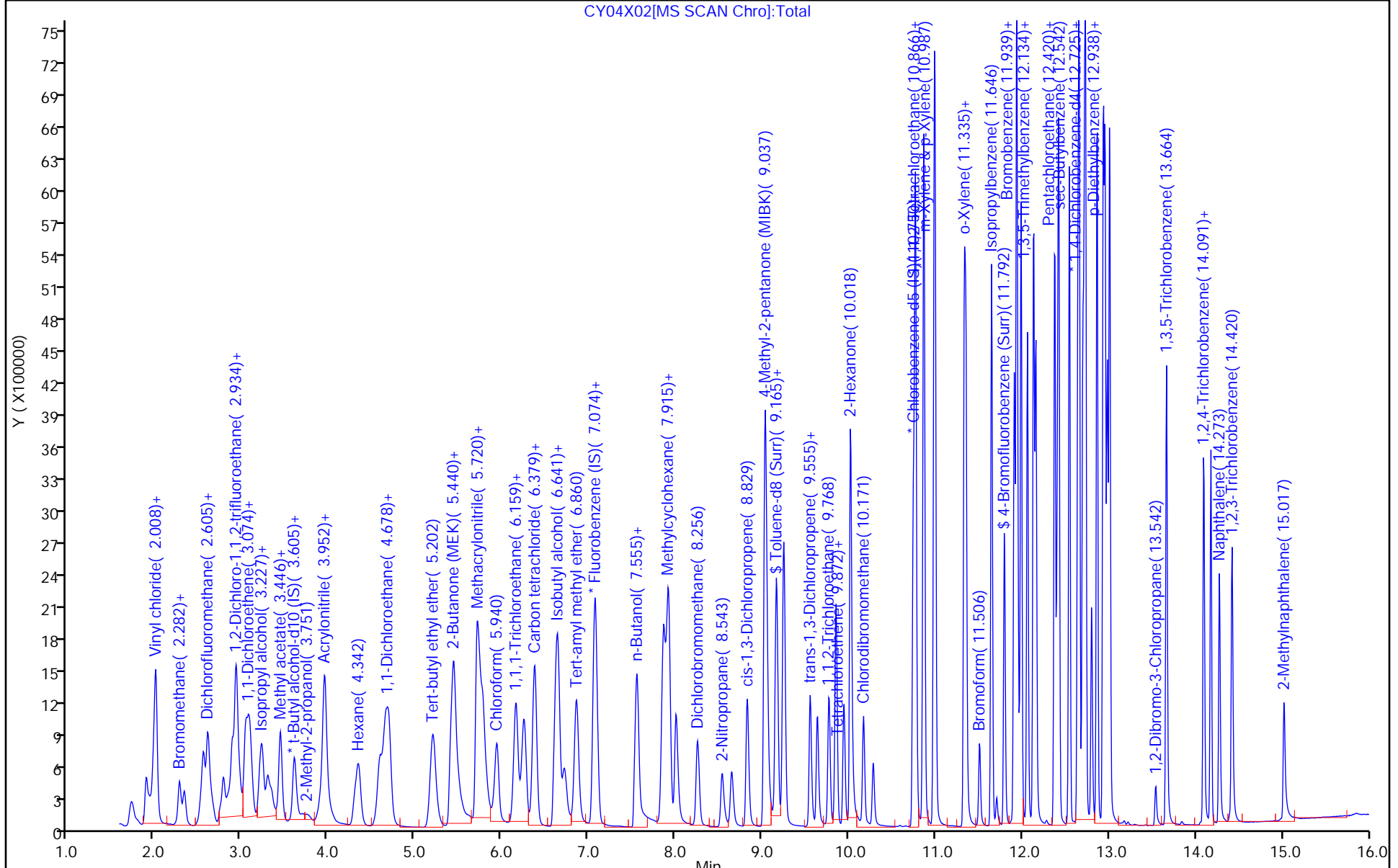
ALS Bottle#: 2

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



CY04X02[MS SCAN Chrom]:Total

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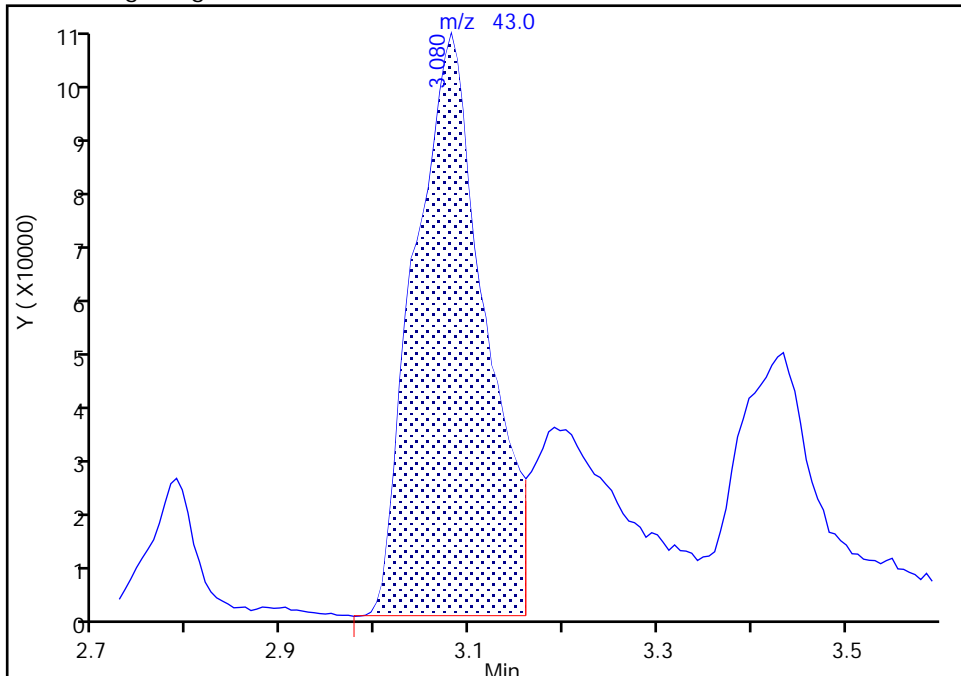
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Injection Date: 04-May-2023 09:16:30 Instrument ID: 10193
Lims ID: CCVIS VSTD10
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

20 Acetone, CAS: 67-64-1

Signal: 1

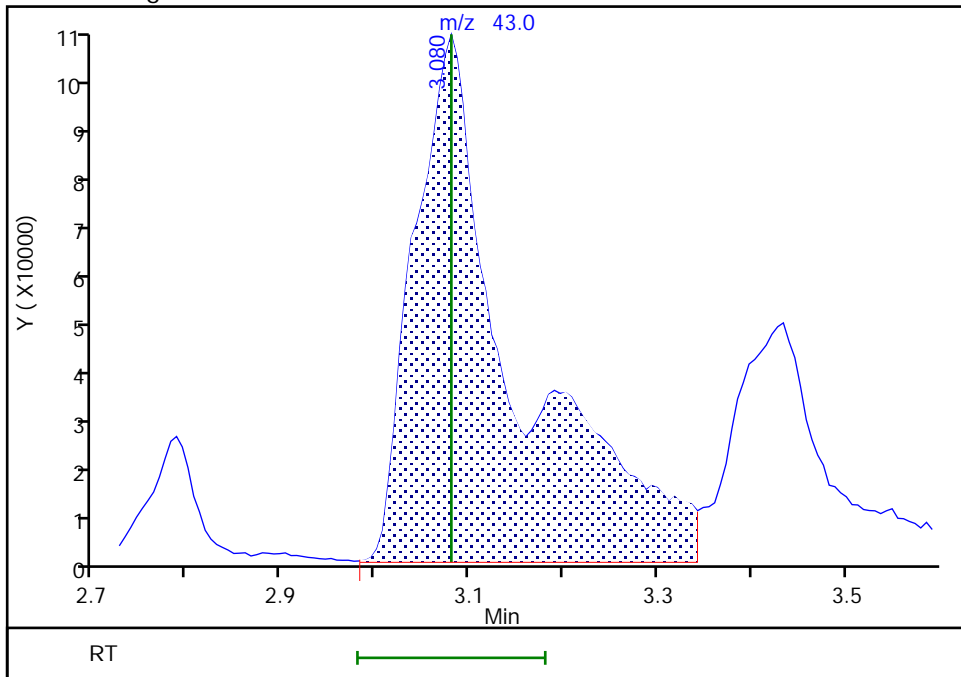
RT: 3.08
Area: 532922
Amount: 69.408206
Amount Units: ug/l

Processing Integration Results



RT: 3.08
Area: 764401
Amount: 99.556224
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-May-2023 09:49:45 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

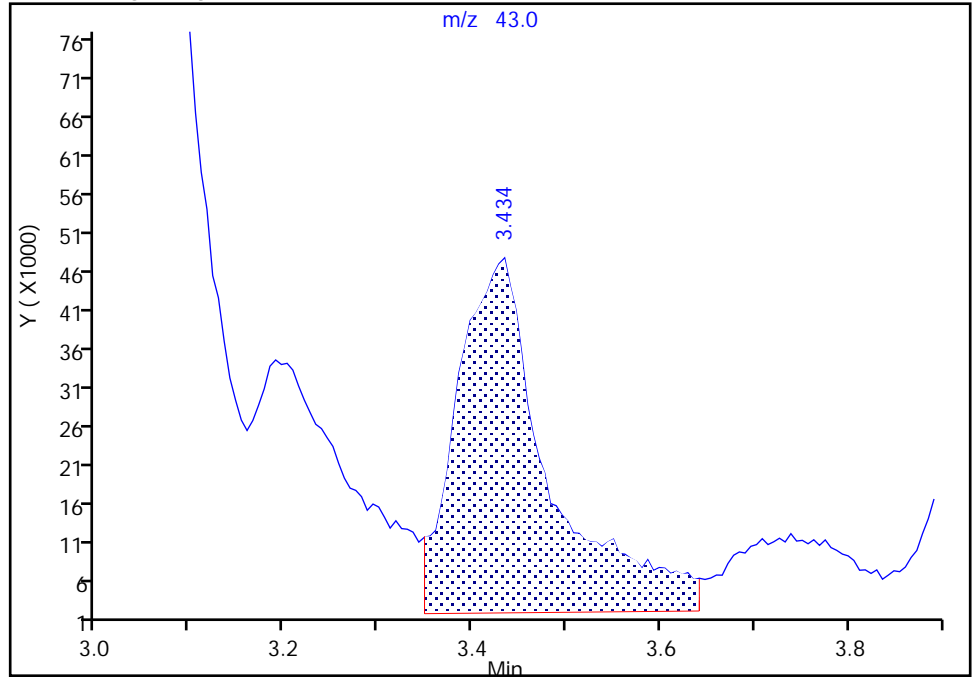
Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X02.D
Injection Date: 04-May-2023 09:16:30 Instrument ID: 10193
Lims ID: CCVIS VSTD10
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

26 Methyl acetate, CAS: 79-20-9

Signal: 1

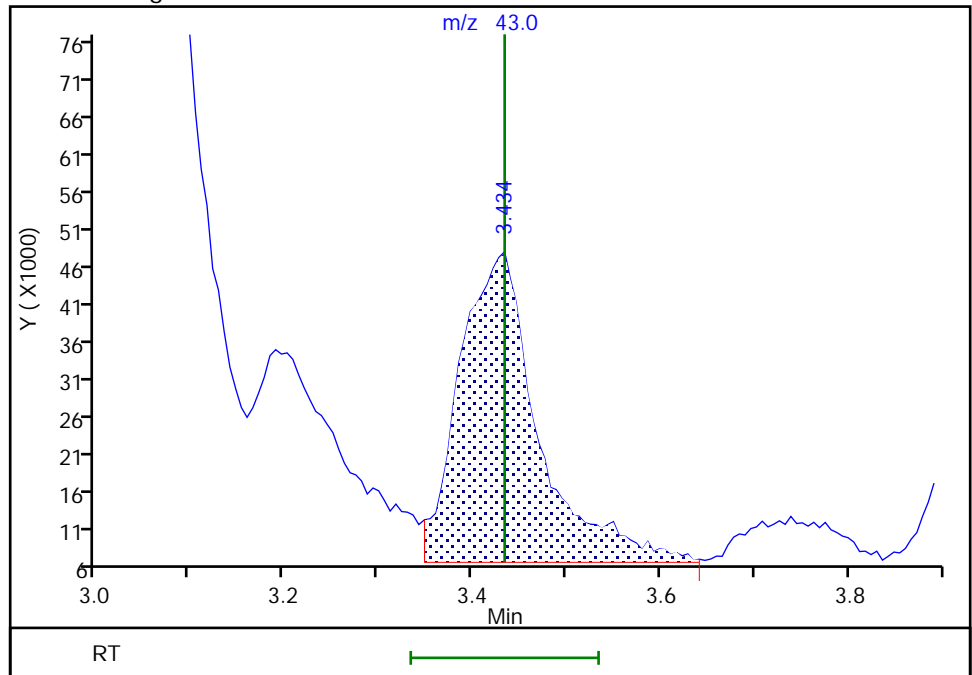
RT: 3.43
Area: 313467
Amount: 12.729123
Amount Units: ug/l

Processing Integration Results



RT: 3.43
Area: 238779
Amount: 9.696227
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-May-2023 09:49:55 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1

SDG No.: _____

Lab Sample ID: ICV 410-366140/21 Calibration Date: 04/20/2023 00:21

Instrument ID: 19094 Calib Start Date: 04/19/2023 21:41

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 04/19/2023 23:41

Lab File ID: HA19X20.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	0.3310	0.3218	0.1000	4.86	5.00	-2.8	30.0
Chloromethane	Ave	0.4375	0.4110	0.1000	4.70	5.00	-6.1	30.0
1,3-Butadiene	Ave	0.4191	0.3635		4.34	5.00	-13.3	30.0
Vinyl chloride	Ave	0.4087	0.3953	0.1000	4.84	5.00	-3.3	30.0
Bromomethane	Ave	0.2551	0.2496	0.1000	4.89	5.00	-2.2	30.0
Chloroethane	Ave	0.2289	0.2205	0.1000	4.82	5.00	-3.6	30.0
Dichlorofluoromethane	Ave	0.5480	0.5214		4.76	5.00	-4.9	30.0
Trichlorofluoromethane	Ave	0.4625	0.4076	0.1000	4.41	5.00	-11.9	30.0
Ethyl ether	Ave	0.1874	0.1613		4.29	4.99	-14.0	30.0
Freon 123a	Ave	0.3600	0.3313		4.60	5.00	-8.0	30.0
Acrolein	Ave	3.302	3.055		34.7	37.5	-7.5	30.0
1,1-Dichloroethene	Ave	0.2278	0.2639	0.1000	5.79	5.00	15.8	30.0
Acetone	Ave	3.300	3.043	0.1000	57.6	62.5	-7.8	30.0
Freon 113	Ave	0.2141	0.2537	0.1000	5.93	5.00	18.5	30.0
Methyl iodide	Ave	0.4108	0.4512		5.49	5.00	9.8	30.0
Ethyl bromide	Ave	0.2139	0.1849		4.26	4.93	-13.6	30.0
Carbon disulfide	Ave	0.6472	0.7549	0.1000	5.83	5.00	16.7	30.0
Methyl acetate	Ave	11.04	10.17	0.1000	4.61	5.00	-7.9	30.0
Allyl chloride	Ave	0.4039	0.4493		5.56	5.00	11.2	30.0
Methylene Chloride	Ave	0.2413	0.2594	0.1000	5.38	5.00	7.5	30.0
t-Butyl alcohol	Ave	0.9648	1.132		58.7	50.0	17.4	30.0
Acrylonitrile	Ave	4.969	4.870		24.5	25.0	-2.0	30.0
Methyl tertiary butyl ether	Ave	0.5467	0.5674	0.1000	5.19	5.00	3.8	30.0
trans-1,2-Dichloroethene	Ave	0.2549	0.2753	0.1000	5.40	5.00	8.0	30.0
n-Hexane	Ave	0.3104	0.3722		6.00	5.00	19.9	30.0
1,1-Dichloroethane	Ave	0.4812	0.5269	0.2000	5.47	5.00	9.5	30.0
di-Isopropyl ether	Ave	0.8365	0.8774		5.24	5.00	4.9	30.0
2-Chloro-1,3-butadiene	Ave	0.4183	0.4645		5.55	5.00	11.1	30.0
Ethyl t-butyl ether	Ave	0.7377	0.7926		5.37	5.00	7.5	30.0
2-Butanone	Ave	6.627	6.246	0.1000	58.9	62.5	-5.7	30.0
cis-1,2-Dichloroethene	Ave	0.2776	0.3043	0.1000	5.48	5.00	9.6	30.0
2,2-Dichloropropane	Ave	0.3962	0.4365		5.51	5.00	10.2	30.0
Propionitrile	Ave	1.696	1.598		35.3	37.5	-5.8	30.0
Methacrylonitrile	Ave	7.663	6.881		33.7	37.5	-10.2	30.0
Bromochloromethane	Ave	0.1031	0.1170		5.67	5.00	13.5	30.0
Tetrahydrofuran	Ave	1.796	1.664		23.2	25.0	-7.4	30.0
Chloroform	Ave	0.4599	0.4882	0.2000	5.31	5.00	6.1	30.0
1,1,1-Trichloroethane	Ave	0.4079	0.4569	0.1000	5.60	5.00	12.0	30.0
Cyclohexane	Ave	0.4364	0.5201	0.1000	5.96	5.00	19.2	30.0
1,1-Dichloropropene	Ave	0.3539	0.4224		5.97	5.00	19.4	30.0
Carbon tetrachloride	Ave	0.3432	0.3956	0.1000	5.76	5.00	15.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1
 SDG No.: _____
 Lab Sample ID: ICV 410-366140/21 Calibration Date: 04/20/2023 00:21
 Instrument ID: 19094 Calib Start Date: 04/19/2023 21:41
 GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 04/19/2023 23:41
 Lab File ID: HA19X20.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
Isobutyl alcohol	Ave	0.3870	0.3860		125	125	-0.3	30.0
Benzene	Ave	1.046	1.194	0.5000	5.71	5.00	14.2	30.0
1,2-Dichloroethane	Ave	0.2555	0.2734	0.1000	5.35	5.00	7.0	30.0
t-Amyl methyl ether	Ave	0.6174	0.6739		5.46	5.00	9.2	30.0
n-Heptane	Ave	0.2902	0.3405		5.87	5.00	17.3	30.0
n-Butanol	Ave	0.2806	0.3248		289	250	15.7	30.0
Trichloroethene	Ave	0.2791	0.3094	0.2000	5.54	5.00	10.9	30.0
Methylcyclohexane	Ave	0.4133	0.5033	0.1000	6.09	5.00	21.8	30.0
1,2-Dichloropropane	Ave	0.2712	0.2969	0.1000	5.47	5.00	9.5	30.0
Methyl methacrylate	Ave	14.32	14.64		5.11	5.00	2.2	30.0
1,4-Dioxane	Ave	0.0446	0.1014	0.0050	284	125	127.5*	30.0
Dibromomethane	Ave	0.1105	0.1222		5.53	5.00	10.6	30.0
Bromodichloromethane	Ave	0.3239	0.3517	0.2000	5.43	5.00	8.6	30.0
2-Nitropropane	Ave	4.356	3.919		4.50	5.00	-10.0	30.0
1-Bromo-2-chloroethane	Ave	0.2533	0.2416		4.77	5.00	-4.6	30.0
cis-1,3-Dichloropropene	Ave	0.3846	0.4201	0.2000	5.46	5.00	9.2	30.0
4-Methyl-2-pentanone	Ave	18.88	18.00	0.1000	59.6	62.5	-4.7	30.0
Toluene	Ave	0.8975	1.022	0.4000	5.69	5.00	13.8	30.0
trans-1,3-Dichloropropene	Ave	0.4146	0.4710	0.1000	5.68	5.00	13.6	30.0
Ethyl methacrylate	Ave	0.3171	0.3526		5.56	5.00	11.2	30.0
1,1,2-Trichloroethane	Ave	0.2287	0.2414	0.1000	5.28	5.00	5.6	30.0
Tetrachloroethene	Ave	0.3973	0.4596	0.2000	5.78	5.00	15.7	30.0
1,3-Dichloropropane	Ave	0.3819	0.4275		5.60	5.00	11.9	30.0
2-Hexanone	Ave	12.51	12.15	0.1000	60.7	62.5	-2.9	30.0
Dibromochloromethane	Ave	0.2785	0.3125		5.61	5.00	12.2	30.0
1,2-Dibromoethane	Ave	0.2050	0.2272	0.1000	5.54	5.00	10.9	30.0
1-Chlorohexane	Ave	0.5420	0.5936		5.48	5.00	9.5	30.0
Chlorobenzene	Ave	0.9734	1.089	0.5000	5.59	5.00	11.8	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3354	0.3929		5.86	5.00	17.2	30.0
Ethylbenzene	Ave	1.765	2.021	0.1000	5.72	5.00	14.5	30.0
m&p-Xylene	Ave	0.6625	0.7644	0.1000	11.5	10.0	15.4	30.0
o-Xylene	Ave	0.6430	0.7456	0.3000	5.80	5.00	15.9	30.0
Styrene	Ave	1.062	1.224	0.3000	5.76	5.00	15.3	30.0
Bromoform	Ave	0.1628	0.1805	0.1000	5.54	5.00	10.9	30.0
Isopropylbenzene	Ave	1.735	2.040	0.1000	5.88	5.00	17.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5254	0.5696	0.3000	5.42	5.00	8.4	30.0
Bromobenzene	Ave	0.6936	0.8006		5.77	5.00	15.4	30.0
trans-1,4-Dichloro-2-butene	Ave	6.015	6.149		25.6	25.0	2.2	30.0
1,2,3-Trichloropropane	Ave	0.1239	0.1351		5.45	5.00	9.0	30.0
N-Propylbenzene	Ave	3.830	4.419		5.77	5.00	15.4	30.0
2-Chlorotoluene	Ave	0.7336	0.8532		5.82	5.00	16.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1
 SDG No.: _____
 Lab Sample ID: ICV 410-366140/21 Calibration Date: 04/20/2023 00:21
 Instrument ID: 19094 Calib Start Date: 04/19/2023 21:41
 GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 04/19/2023 23:41
 Lab File ID: HA19X20.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
1,3,5-Trimethylbenzene	Ave	2.681	3.062		5.71	5.00	14.2	30.0
4-Chlorotoluene	Ave	0.7502	0.8578		5.72	5.00	14.3	30.0
tert-Butylbenzene	Ave	0.5802	0.6951		5.99	5.00	19.8	30.0
Pentachloroethane	Ave	0.4749	0.4716		4.97	5.00	-0.7	30.0
1,2,4-Trimethylbenzene	Ave	2.705	3.093		5.72	5.00	14.3	30.0
sec-Butylbenzene	Ave	3.355	3.946		5.88	5.00	17.6	30.0
1,3-Dichlorobenzene	Ave	1.425	1.594	0.6000	5.59	5.00	11.8	30.0
p-Isopropyltoluene	Ave	2.864	3.347		5.84	5.00	16.8	30.0
1,4-Dichlorobenzene	Ave	1.352	1.592	0.5000	5.89	5.00	17.8	30.0
1,2,3-Trimethylbenzene	Ave	1.166	1.285		5.51	5.00	10.2	30.0
Benzyl chloride	Ave	0.1899	0.2043		5.38	5.00	7.6	30.0
n-Butylbenzene	Ave	1.367	1.611		5.89	5.00	17.9	30.0
1,2-Dichlorobenzene	Ave	1.263	1.400	0.4000	5.54	5.00	10.9	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0617	0.0710	0.0500	5.75	5.00	15.0	30.0
1,3,5-Trichlorobenzene	Ave	0.995	1.143		5.74	5.00	14.8	30.0
1,2,4-Trichlorobenzene	Ave	0.7970	0.9265	0.2000	5.81	5.00	16.3	30.0
Hexachlorobutadiene	Ave	0.2980	0.3711		6.23	5.00	24.5	30.0
Naphthalene	Ave	1.314	1.499		5.70	5.00	14.1	30.0
1,2,3-Trichlorobenzene	Ave	0.6320	0.7447		5.89	5.00	17.8	30.0
Dibromofluoromethane (Surr)	Ave	0.2376	0.2367		9.96	10.0	-0.4	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0442	0.0448		10.1	10.0	1.2	30.0
Toluene-d8 (Surr)	Ave	1.361	1.365		10.0	10.0	0.3	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4936	0.4961		10.1	10.0	0.5	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X20.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 20-Apr-2023 00:21:30 ALS Bottle#: 20 Worklist Smp#: 21
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0081852-021
 Operator ID: mec29284 Instrument ID: 19094
 Sublist:
 Method: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 23-Apr-2023 20:41:59 Calib Date: 19-Apr-2023 23:41:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1665

First Level Reviewer: DVW2

Date: 20-Apr-2023 09:03:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.898	1.898	0.000	99	320092	5.00	4.86	
5 Chloromethane	50	2.087	2.093	-0.006	99	408803	5.00	4.70	
6 Vinyl chloride	62	2.203	2.203	0.000	97	393169	5.00	4.84	
7 Butadiene	39	2.203	2.203	0.000	92	361503	5.00	4.34	
9 Bromomethane	94	2.526	2.526	0.000	90	248267	5.00	4.89	
10 Chloroethane	64	2.593	2.599	-0.006	100	219351	5.00	4.82	
11 Dichlorofluoromethane	67	2.818	2.824	-0.006	97	518572	5.00	4.76	
12 Trichlorofluoromethane	101	2.904	2.904	0.000	98	405394	5.00	4.41	
14 Ethyl ether	59	3.117	3.117	0.000	92	160012	4.99	4.29	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.202	3.202	0.000	94	329506	5.00	4.60	
16 Acrolein	56	3.288	3.288	0.000	98	183942	37.5	34.7	M
17 1,1-Dichloroethene	96	3.416	3.422	-0.006	97	262522	5.00	5.79	
19 Acetone	43	3.446	3.446	0.000	52	305388	62.5	57.6	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.458	3.465	-0.007	92	252311	5.00	5.93	
21 Iodomethane	142	3.611	3.611	0.000	98	448772	5.00	5.49	
22 Ethyl bromide	108	3.629	3.635	-0.006	98	181149	4.93	4.26	
23 Carbon disulfide	76	3.715	3.715	-0.001	99	750840	5.00	5.83	
24 Methyl acetate	43	3.855	3.843	0.012	97	81660	5.00	4.61	M
26 3-Chloro-1-propene	41	3.879	3.873	0.006	92	446915	5.00	5.56	
* 28 t-Butyl alcohol-d10 (IS)	65	4.056	4.050	0.006	98	80290	50.0	50.0	
27 Methylene Chloride	84	4.050	4.050	0.000	94	258031	5.00	5.38	
29 2-Methyl-2-propanol	59	4.178	4.190	-0.012	98	90912	50.0	58.7	
31 Acrylonitrile	53	4.379	4.373	0.006	99	195490	25.0	24.5	
32 Methyl tert-butyl ether	73	4.440	4.452	-0.012	95	564366	5.00	5.19	
33 trans-1,2-Dichloroethene	96	4.452	4.458	-0.006	98	273863	5.00	5.40	
34 Hexane	57	4.885	4.885	0.000	92	370180	5.00	6.00	
36 1,1-Dichloroethane	63	5.123	5.123	0.000	96	524058	5.00	5.47	
37 Isopropyl ether	45	5.178	5.178	0.000	96	872622	5.00	5.24	
38 2-Chloro-1,3-butadiene	53	5.233	5.239	-0.007	91	462027	5.00	5.55	
40 Tert-butyl ethyl ether	59	5.714	5.720	-0.006	99	788352	5.00	5.37	
41 2-Butanone (MEK)	43	5.909	5.909	0.000	100	626886	62.5	58.9	

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	5.952	5.958	-0.006	83	302611	5.00	5.48	
43 2,2-Dichloropropane	77	5.976	5.976	0.000	87	434113	5.00	5.51	
44 Propionitrile	54	6.001	5.995	0.006	46	96244	37.5	35.3	
47 Methacrylonitrile	67	6.220	6.220	0.000	92	414353	37.5	33.7	
48 Chlorobromomethane	128	6.287	6.299	-0.012	97	116383	5.00	5.67	
49 Tetrahydrofuran	71	6.305	6.299	0.006	79	66817	25.0	23.2	
50 Chloroform	83	6.446	6.446	0.000	94	485522	5.00	5.31	
\$ 52 Dibromofluoromethane (Surr)	113	6.659	6.665	-0.006	94	470842	10.0	9.96	
53 1,1,1-Trichloroethane	97	6.677	6.677	0.000	99	454450	5.00	5.60	
54 Cyclohexane	56	6.781	6.781	0.000	91	517330	5.00	5.96	
55 1,1-Dichloropropene	75	6.891	6.897	-0.006	96	420129	5.00	5.97	
56 Carbon tetrachloride	117	6.891	6.897	-0.006	90	393490	5.00	5.76	
57 Isobutyl alcohol	41	7.037	7.031	0.006	94	77473	125.0	124.7	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.122	7.116	0.006	90	89078	10.0	10.1	
59 Benzene	78	7.153	7.159	-0.006	97	1187788	5.00	5.71	
60 1,2-Dichloroethane	62	7.232	7.226	0.006	97	271965	5.00	5.35	
63 Tert-amyl methyl ether	73	7.348	7.354	-0.006	99	670300	5.00	5.46	
* 64 Fluorobenzene (IS)	96	7.561	7.567	-0.006	98	1989207	10.0	10.0	
65 n-Heptane	43	7.586	7.586	0.000	94	338658	5.00	5.87	
67 n-Butanol	56	7.927	7.927	0.000	88	130372	250.0	289.4	
68 Trichloroethene	95	8.049	8.049	0.000	99	307723	5.00	5.54	
69 Methylcyclohexane	83	8.366	8.366	0.000	93	500607	5.00	6.09	
70 1,2-Dichloropropane	63	8.384	8.390	-0.006	96	295273	5.00	5.47	
71 2-ethoxy-2-methyl butane	87	8.397	8.397	0.000	93	417987	5.00	5.50	
72 Methyl methacrylate	69	8.470	8.470	0.000	92	117524	5.00	5.11	
73 1,4-Dioxane	88	8.482	8.482	0.000	29	20360	125.0	284.3	M
74 Dibromomethane	93	8.494	8.494	0.000	97	121538	5.00	5.53	
76 Dichlorobromomethane	83	8.738	8.732	0.006	99	349792	5.00	5.43	
77 2-Nitropropane	41	9.000	9.000	0.000	98	31464	5.00	4.50	
79 1-Bromo-2-chloroethane	63	9.134	9.134	0.000	99	240314	5.00	4.77	
80 cis-1,3-Dichloropropene	75	9.293	9.293	0.000	95	417858	5.00	5.46	
82 4-Methyl-2-pentanone (MIBK)	43	9.469	9.470	-0.001	97	1806452	62.5	59.6	
\$ 83 Toluene-d8 (Surr)	98	9.610	9.610	0.000	94	1987744	10.0	10.0	
84 Toluene	92	9.689	9.689	0.000	98	743973	5.00	5.69	
85 trans-1,3-Dichloropropene	75	9.951	9.951	0.000	93	342978	5.00	5.68	
104 Ethyl methacrylate	69	10.018	10.018	0.000	90	256794	5.00	5.56	
106 1,1,2-Trichloroethane	97	10.164	10.165	0.000	90	175798	5.00	5.28	
107 Tetrachloroethene	166	10.250	10.256	-0.006	98	334694	5.00	5.78	
108 1,3-Dichloropropane	76	10.329	10.329	0.000	89	311323	5.00	5.60	
109 2-Hexanone	43	10.378	10.378	0.000	97	1219087	62.5	60.7	
111 Chlorodibromomethane	129	10.542	10.549	-0.007	91	227559	5.00	5.61	
112 Ethylene Dibromide	107	10.658	10.658	0.000	99	165454	5.00	5.54	
* 113 Chlorobenzene-d5 (IS)	117	11.097	11.091	0.006	87	1456389	10.0	10.0	
114 1-Chlorohexane	91	11.103	11.103	0.000	98	432234	5.00	5.48	
115 Chlorobenzene	112	11.122	11.122	0.000	94	792693	5.00	5.59	
116 1,1,1,2-Tetrachloroethane	131	11.207	11.207	0.000	96	286109	5.00	5.86	
117 Ethylbenzene	91	11.207	11.207	0.000	99	1471559	5.00	5.72	
119 m-Xylene & p-Xylene	106	11.323	11.329	-0.006	100	1113305	10.0	11.5	
120 o-Xylene	106	11.658	11.658	0.000	97	542917	5.00	5.80	
121 Styrene	104	11.676	11.670	0.006	95	891228	5.00	5.76	
122 Bromoform	173	11.835	11.835	0.000	97	131464	5.00	5.54	
123 Isopropylbenzene	105	11.963	11.963	0.000	96	1485644	5.00	5.88	

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	12.103	12.103	0.000	89	722537	10.0	10.1	
127 1,1,2,2-Tetrachloroethane	83	12.207	12.207	0.000	93	224146	5.00	5.42	
128 Bromobenzene	156	12.219	12.219	0.000	97	315008	5.00	5.77	
129 trans-1,4-Dichloro-2-butene	53	12.231	12.231	0.000	93	246837	25.0	25.6	
130 1,2,3-Trichloropropane	110	12.256	12.256	0.000	84	53178	5.00	5.45	
131 N-Propylbenzene	91	12.292	12.292	0.000	99	1738686	5.00	5.77	
132 2-Chlorotoluene	126	12.365	12.365	0.000	96	335704	5.00	5.82	
133 1,3,5-Trimethylbenzene	105	12.426	12.426	0.000	94	1204704	5.00	5.71	
134 4-Chlorotoluene	126	12.463	12.463	0.000	97	337513	5.00	5.72	
135 tert-Butylbenzene	134	12.670	12.670	0.000	94	273530	5.00	5.99	
136 Pentachloroethane	167	12.701	12.707	-0.006	92	185574	5.00	4.97	
137 1,2,4-Trimethylbenzene	105	12.713	12.713	0.000	97	1217017	5.00	5.72	
138 sec-Butylbenzene	105	12.835	12.835	0.000	94	1552583	5.00	5.88	
139 1,3-Dichlorobenzene	146	12.932	12.932	0.000	98	627042	5.00	5.59	
140 4-Isopropyltoluene	119	12.944	12.944	0.000	97	1316814	5.00	5.84	
* 141 1,4-Dichlorobenzene-d4	152	12.993	12.993	0.000	95	786971	10.0	10.0	
142 1,4-Dichlorobenzene	146	13.011	13.012	-0.001	94	626616	5.00	5.89	
143 1,2,3-Trimethylbenzene	120	13.018	13.018	0.000	99	505735	5.00	5.51	
144 Benzyl chloride	126	13.085	13.085	0.000	99	80397	5.00	5.38	
145 p-Diethylbenzene	119	13.146	13.146	0.000	92	747884	5.00	5.64	
146 n-Butylbenzene	92	13.237	13.237	0.000	97	633919	5.00	5.89	
147 1,2-Dichlorobenzene	146	13.268	13.268	0.000	98	550781	5.00	5.54	
149 1,2-Dibromo-3-Chloropropane	155	13.810	13.810	0.000	86	27941	5.00	5.75	
150 1,3,5-Trichlorobenzene	180	13.938	13.938	0.000	98	449615	5.00	5.74	
151 1,2,4-Trichlorobenzene	180	14.359	14.359	0.000	94	364559	5.00	5.81	
152 Hexachlorobutadiene	225	14.444	14.444	0.000	96	146006	5.00	6.23	
153 Naphthalene	128	14.542	14.542	0.000	97	589896	5.00	5.70	
154 1,2,3-Trichlorobenzene	180	14.682	14.682	0.000	96	293041	5.00	5.89	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00105	Amount Added: 12.50	Units: uL	
MSV_LCS_Penta_00027	Amount Added: 12.50	Units: uL	
MSV_QC_Gas826_00135	Amount Added: 12.50	Units: uL	
MSV_LCS_EE_00004	Amount Added: 12.50	Units: uL	
LCS_ETBR_00005	Amount Added: 12.50	Units: uL	
MSV_LCS_ACROL_00108	Amount Added: 12.50	Units: uL	
MSV_LLcentISS_00007	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromf\Lancaster\ChromData\19094\20230419-81852.b\HA19X20.D

Injection Date: 20-Apr-2023 00:21:30

Instrument ID: 19094

Operator ID: mec29284

Lims ID: ICV

Worklist Smp#: 21

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

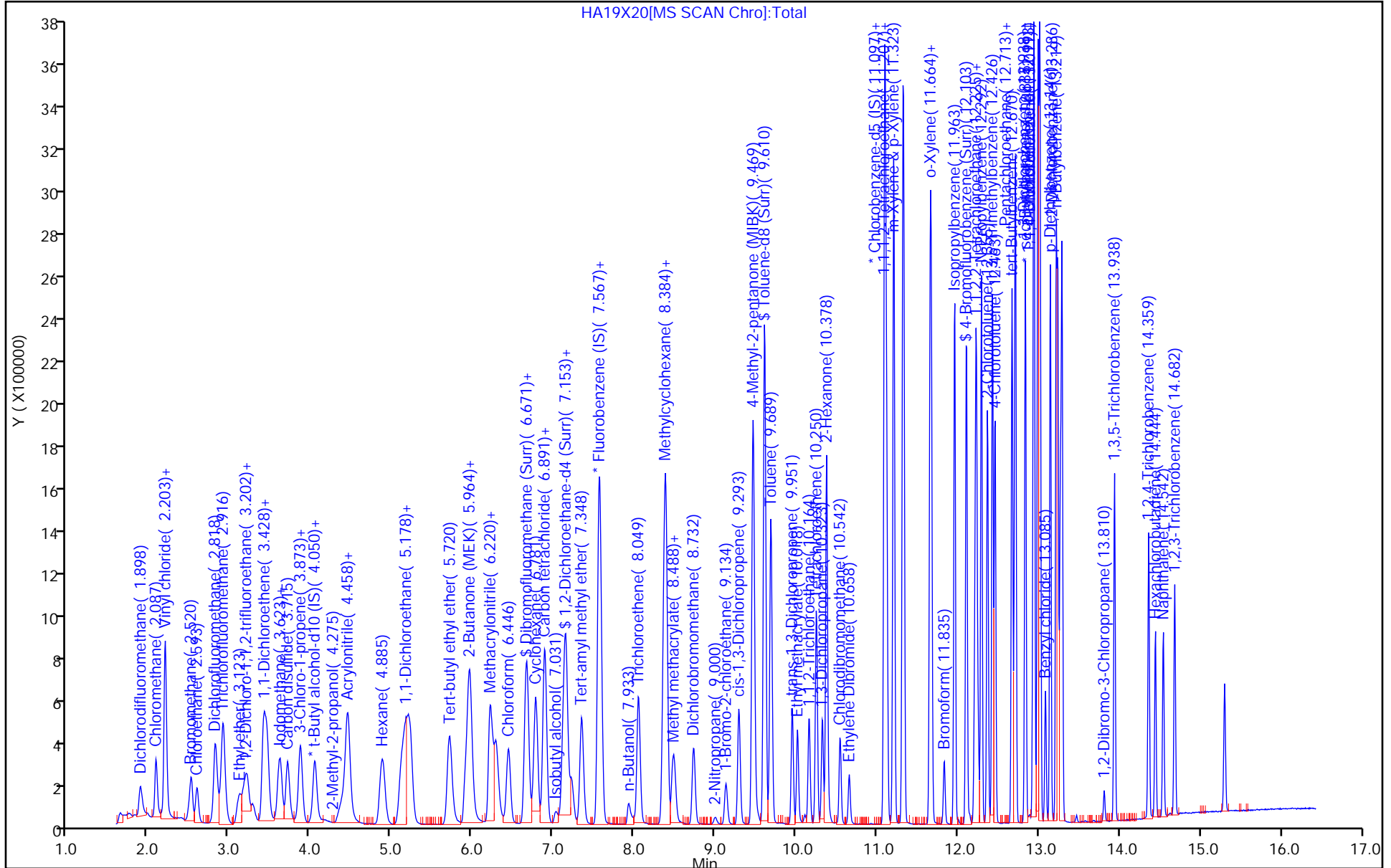
ALS Bottle#: 20

Method: MSV_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

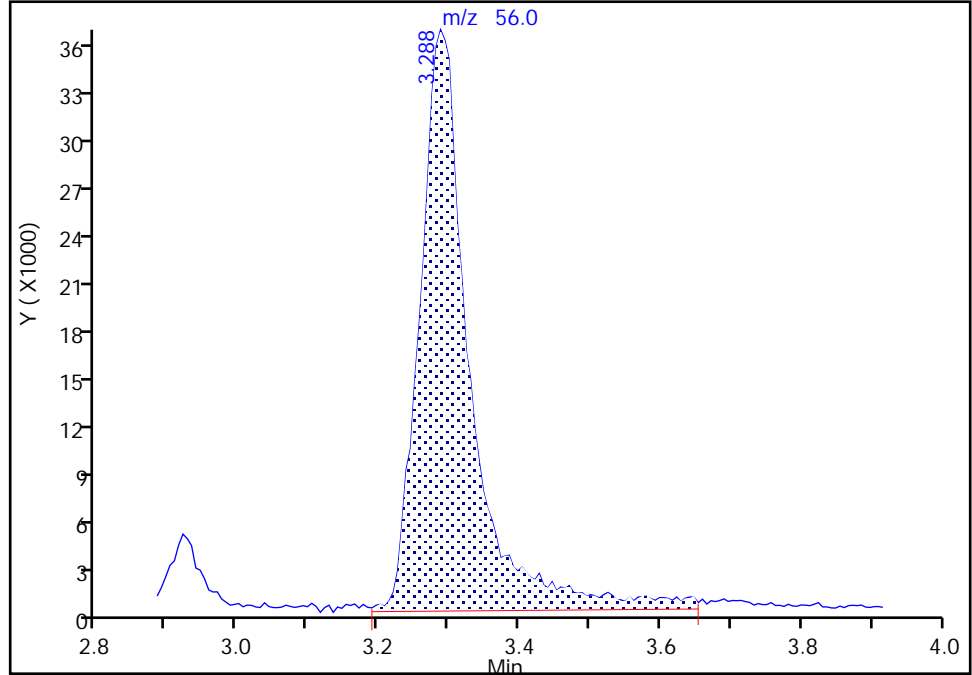
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Injection Date: 20-Apr-2023 00:21:30 Instrument ID: 19094
Lims ID: ICV
Client ID:
Operator ID: mec29284 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

16 Acrolein, CAS: 107-02-8

Signal: 1

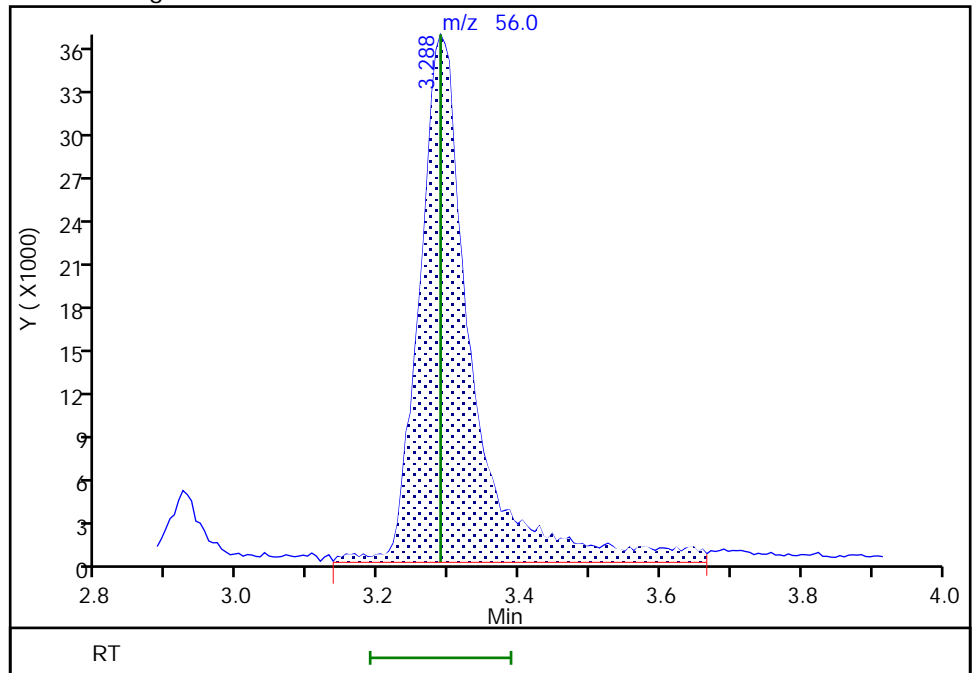
RT: 3.29
Area: 177484
Amount: 33.469971
Amount Units: ug/l

Processing Integration Results



RT: 3.29
Area: 183942
Amount: 34.687822
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:23:58
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

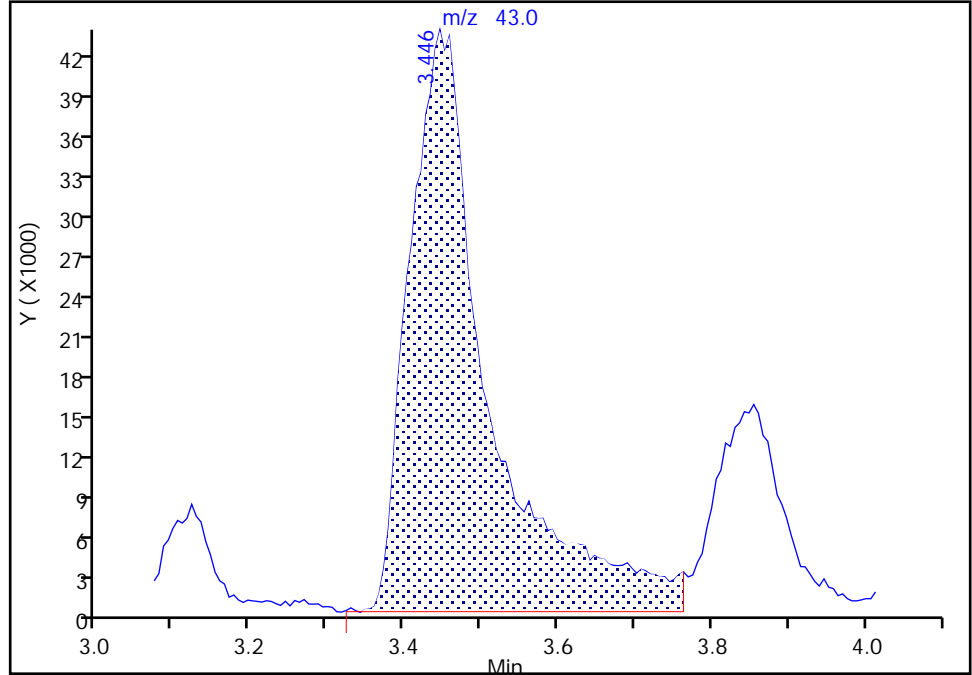
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Injection Date: 20-Apr-2023 00:21:30 Instrument ID: 19094
Lims ID: ICV
Client ID:
Operator ID: mec29284 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

19 Acetone, CAS: 67-64-1

Signal: 1

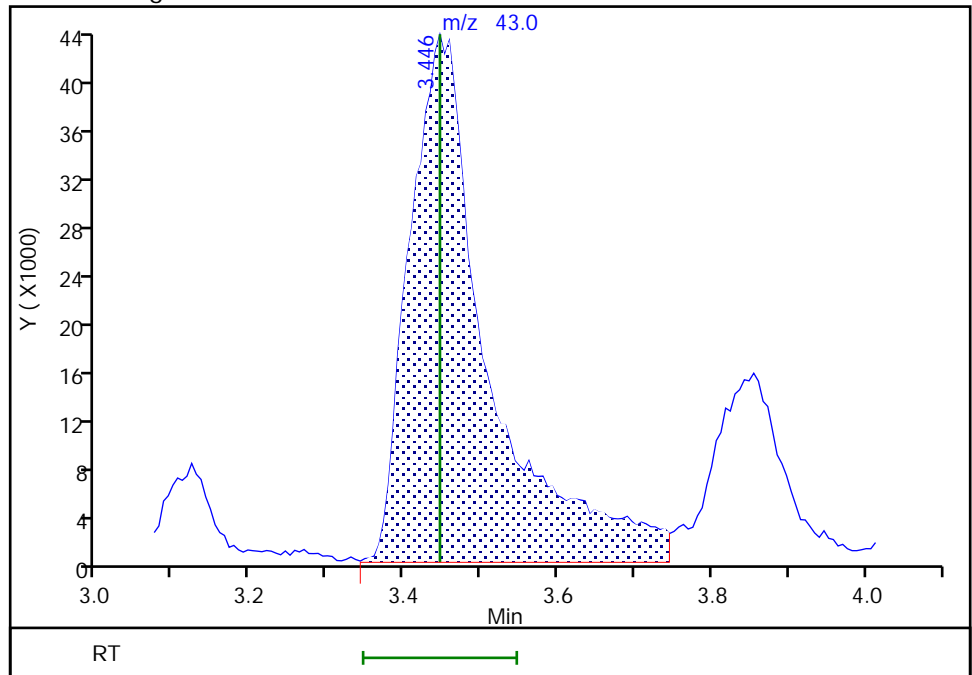
RT: 3.45
Area: 304465
Amount: 57.448256
Amount Units: ug/l

Processing Integration Results



RT: 3.45
Area: 305388
Amount: 57.622413
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:24:12
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

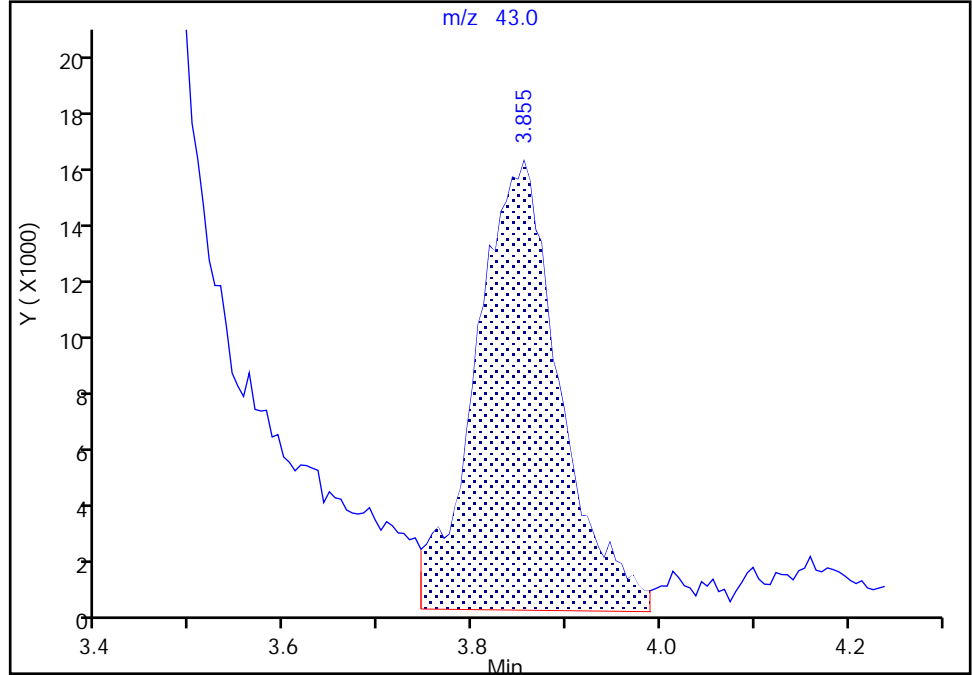
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Injection Date: 20-Apr-2023 00:21:30 Instrument ID: 19094
Lims ID: ICV
Client ID:
Operator ID: mec29284 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

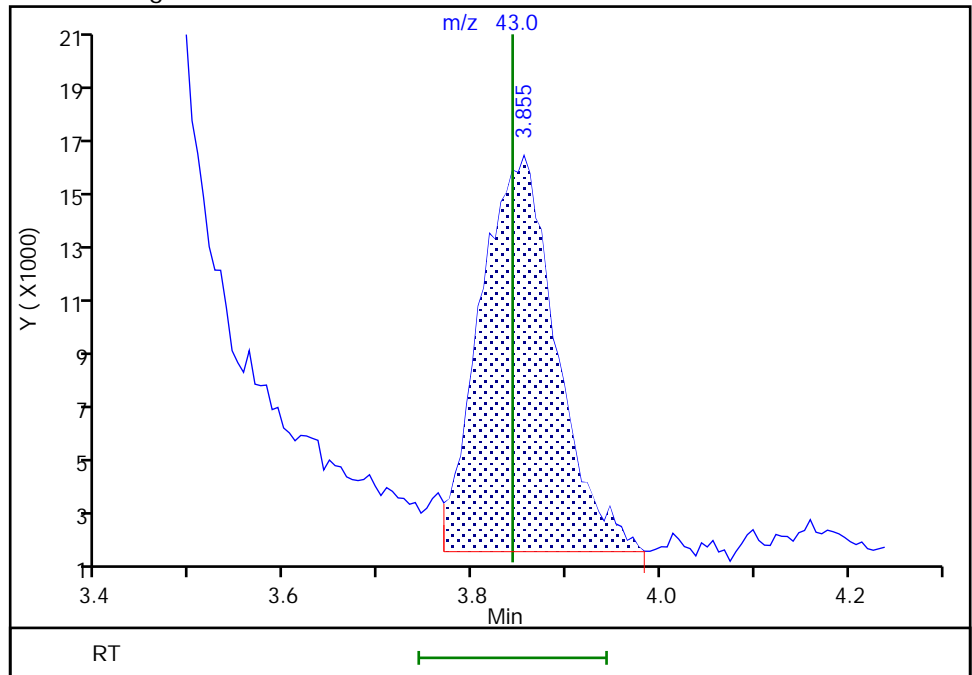
RT: 3.85
Area: 93899
Amount: 5.296245
Amount Units: ug/l

Processing Integration Results



RT: 3.85
Area: 81660
Amount: 4.605921
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:24:51
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

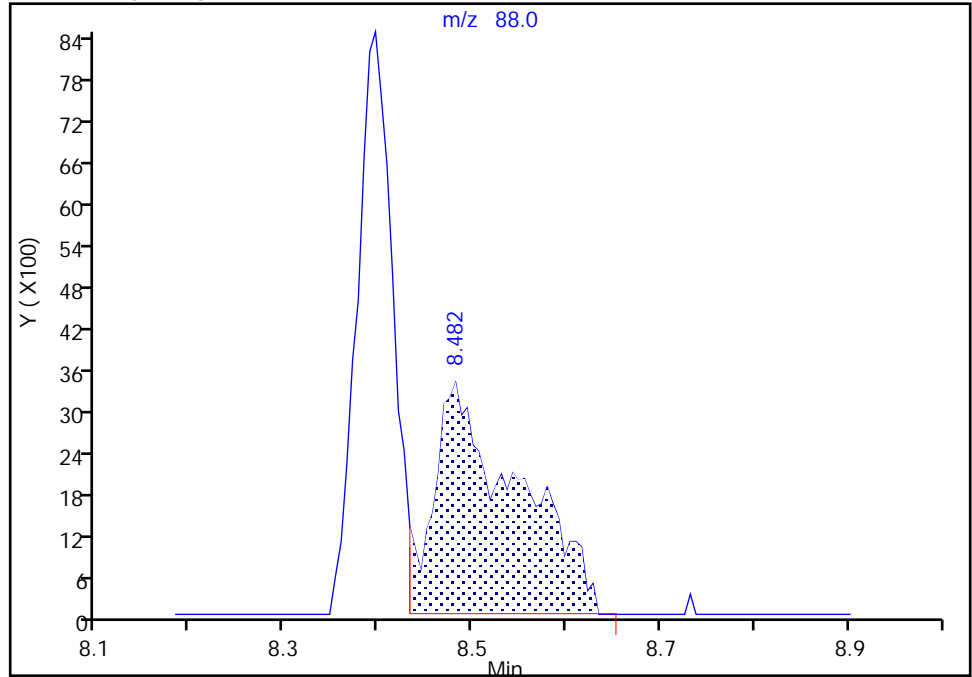
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Injection Date: 20-Apr-2023 00:21:30 Instrument ID: 19094
Lims ID: ICV
Client ID:
Operator ID: mec29284 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

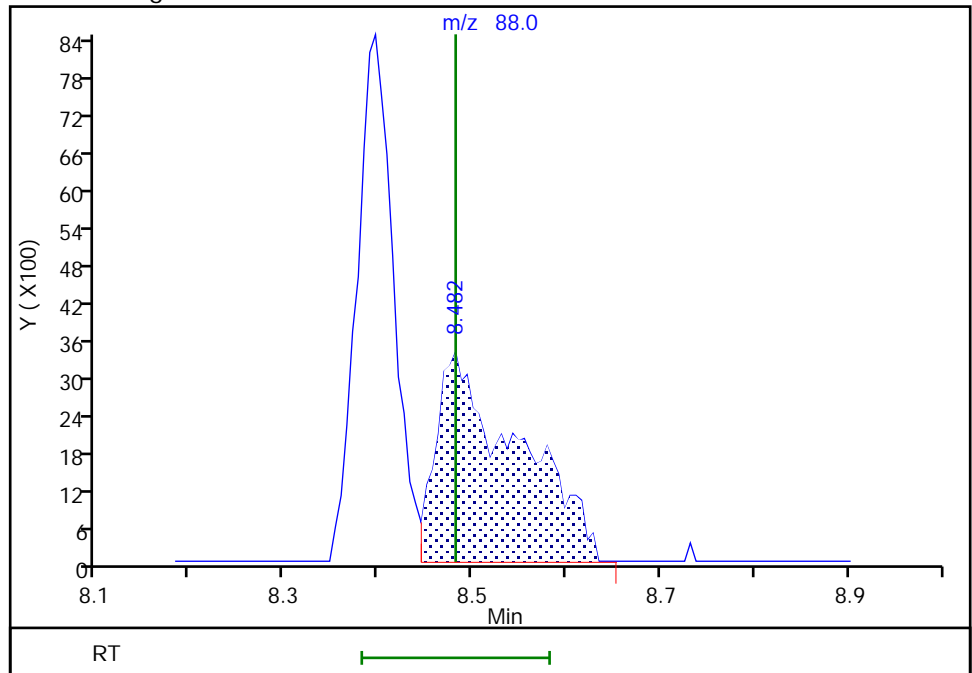
RT: 8.48
Area: 21172
Amount: 295.6542
Amount Units: ug/l

Processing Integration Results



RT: 8.48
Area: 20360
Amount: 284.3151
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 23-Apr-2023 20:25:12
Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1

SDG No.: _____

Lab Sample ID: CCVIS 410-373833/3 Calibration Date: 05/09/2023 18:24

Instrument ID: 19094 Calib Start Date: 04/19/2023 21:41

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 04/19/2023 23:41

Lab File ID: HY09X02.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	0.3310	0.3404	0.1000	10.3	10.0	2.8	20.0
Chloromethane	Ave	0.4375	0.4264	0.1000	9.75	10.0	-2.5	20.0
1,3-Butadiene	Ave	0.4191	0.4812		11.5	10.0	14.8	20.0
Vinyl chloride	Ave	0.4087	0.4070	0.1000	9.96	10.0	-0.4	20.0
Bromomethane	Ave	0.2551	0.2540	0.1000	9.95	10.0	-0.5	20.0
Chloroethane	Ave	0.2289	0.2169	0.1000	9.48	10.0	-5.2	20.0
Dichlorofluoromethane	Ave	0.5480	0.5172		9.44	10.0	-5.6	20.0
Trichlorofluoromethane	Ave	0.4625	0.4809	0.1000	10.4	10.0	4.0	20.0
Ethyl ether	Ave	0.1874	0.1890		10.1	10.0	0.9	20.0
Freon 123a	Ave	0.3600	0.3331		9.25	10.0	-7.5	20.0
Acrolein	Ave	3.302	2.884		437	500	-12.7	20.0
1,1-Dichloroethene	Ave	0.2278	0.2536	0.1000	11.1	10.0	11.3	20.0
Acetone	Ave	3.300	3.422	0.1000	104	100	3.7	20.0
Freon 113	Ave	0.2141	0.2636	0.1000	12.3	10.0	23.2*	20.0
Methyl iodide	Ave	0.4108	0.4854		11.8	10.0	18.2	20.0
Ethyl bromide	Ave	0.2139	0.2247		10.5	10.0	5.0	20.0
Carbon disulfide	Ave	0.6472	0.7900	0.1000	12.2	10.0	22.1*	20.0
Methyl acetate	Ave	11.04	12.10	0.1000	11.0	10.0	9.6	20.0
Allyl chloride	Ave	0.4039	0.4412		10.9	10.0	9.2	20.0
Methylene Chloride	Ave	0.2413	0.2697	0.1000	11.2	10.0	11.8	20.0
t-Butyl alcohol	Ave	0.9648	1.055		219	200	9.4	20.0
Acrylonitrile	Ave	4.969	5.090		25.6	25.0	2.4	20.0
Methyl tertiary butyl ether	Ave	0.5467	0.5967	0.1000	10.9	10.0	9.1	20.0
trans-1,2-Dichloroethene	Ave	0.2549	0.2821	0.1000	11.1	10.0	10.7	20.0
n-Hexane	Ave	0.3104	0.3829		12.3	10.0	23.4*	20.0
1,1-Dichloroethane	Ave	0.4812	0.5315	0.2000	11.0	10.0	10.5	20.0
di-Isopropyl ether	Ave	0.8365	0.9064		10.8	10.0	8.3	20.0
2-Chloro-1,3-butadiene	Ave	0.4183	0.4565		10.9	10.0	9.1	20.0
Ethyl t-butyl ether	Ave	0.7377	0.7975		10.8	10.0	8.1	20.0
2-Butanone	Ave	6.627	6.458	0.1000	97.4	100	-2.6	20.0
cis-1,2-Dichloroethene	Ave	0.2776	0.3080	0.1000	11.1	10.0	11.0	20.0
2,2-Dichloropropane	Ave	0.3962	0.4462		11.3	10.0	12.6	20.0
Propionitrile	Ave	1.696	1.805		213	200	6.4	20.0
Methacrylonitrile	Ave	7.663	6.705		87.5	100	-12.5	20.0
Bromochloromethane	Ave	0.1031	0.1267		12.3	10.0	22.9*	20.0
Tetrahydrofuran	Ave	1.796	1.740		48.4	50.0	-3.1	20.0
Chloroform	Ave	0.4599	0.5108	0.2000	11.1	10.0	11.1	20.0
1,1,1-Trichloroethane	Ave	0.4079	0.4593	0.1000	11.3	10.0	12.6	20.0
Cyclohexane	Ave	0.4364	0.4971	0.1000	11.4	10.0	13.9	20.0
1,1-Dichloropropene	Ave	0.3539	0.4067		11.5	10.0	14.9	20.0
Carbon tetrachloride	Ave	0.3432	0.4090	0.1000	11.9	10.0	19.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1

SDG No.: _____

Lab Sample ID: CCVIS 410-373833/3 Calibration Date: 05/09/2023 18:24

Instrument ID: 19094 Calib Start Date: 04/19/2023 21:41

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 04/19/2023 23:41

Lab File ID: HY09X02.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
Isobutyl alcohol	Ave	0.3870	0.4013		519	500	3.7	20.0
Benzene	Ave	1.046	1.191	0.5000	11.4	10.0	13.9	20.0
1,2-Dichloroethane	Ave	0.2555	0.2938	0.1000	11.5	10.0	15.0	20.0
t-Amyl methyl ether	Ave	0.6174	0.6801		11.0	10.0	10.2	20.0
n-Heptane	Ave	0.2902	0.3710		12.8	10.0	27.8*	20.0
n-Butanol	Ave	0.2806	0.3550		1110	875	26.5*	20.0
Trichloroethene	Ave	0.2791	0.3210	0.2000	11.5	10.0	15.0	20.0
Methylcyclohexane	Ave	0.4133	0.4973	0.1000	12.0	10.0	20.3*	20.0
1,2-Dichloropropane	Ave	0.2712	0.3093	0.1000	11.4	10.0	14.0	20.0
Methyl methacrylate	Ave	14.32	13.12		9.16	10.0	-8.4	20.0
1,4-Dioxane	Ave	0.0446	0.0575	0.0050	644	500	28.8*	20.0
Dibromomethane	Ave	0.1105	0.1323		12.0	10.0	19.7	20.0
Bromodichloromethane	Ave	0.3239	0.3654	0.2000	11.3	10.0	12.8	20.0
2-Nitropropane	Ave	4.356	3.909		44.9	50.0	-10.2	20.0
1-Bromo-2-chloroethane	Ave	0.2533	0.3007		11.9	10.0	18.7	20.0
cis-1,3-Dichloropropene	Ave	0.3846	0.4509	0.2000	11.7	10.0	17.3	20.0
4-Methyl-2-pentanone	Ave	18.88	16.94	0.1000	89.7	100	-10.3	20.0
Toluene	Ave	0.8975	0.9347	0.4000	10.4	10.0	4.1	20.0
trans-1,3-Dichloropropene	Ave	0.4146	0.4497	0.1000	10.8	10.0	8.5	20.0
Ethyl methacrylate	Ave	0.3171	0.3280		10.3	10.0	3.5	20.0
1,1,2-Trichloroethane	Ave	0.2287	0.2343	0.1000	10.2	10.0	2.4	20.0
Tetrachloroethene	Ave	0.3973	0.4389	0.2000	11.0	10.0	10.5	20.0
1,3-Dichloropropane	Ave	0.3819	0.4091		10.7	10.0	7.1	20.0
2-Hexanone	Ave	12.51	11.59	0.1000	92.7	100	-7.3	20.0
Dibromochloromethane	Ave	0.2785	0.3023		10.9	10.0	8.5	20.0
1,2-Dibromoethane	Ave	0.2050	0.2262	0.1000	11.0	10.0	10.4	20.0
1-Chlorohexane	Ave	0.5420	0.5585		10.3	10.0	3.0	20.0
Chlorobenzene	Ave	0.9734	1.028	0.5000	10.6	10.0	5.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3354	0.3578		10.7	10.0	6.7	20.0
Ethylbenzene	Ave	1.765	1.852	0.1000	10.5	10.0	4.9	20.0
m&p-Xylene	Ave	0.6625	0.6984	0.1000	21.1	20.0	5.4	20.0
o-Xylene	Ave	0.6430	0.6711	0.3000	10.4	10.0	4.4	20.0
Styrene	Ave	1.062	1.118	0.3000	10.5	10.0	5.3	20.0
Bromoform	Ave	0.1628	0.1871	0.1000	11.5	10.0	14.9	20.0
Isopropylbenzene	Ave	1.735	1.822	0.1000	10.5	10.0	5.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5254	0.5161	0.3000	9.82	10.0	-1.8	20.0
Bromobenzene	Ave	0.6936	0.7364		10.6	10.0	6.2	20.0
trans-1,4-Dichloro-2-butene	Ave	6.015	5.989		99.6	100	-0.4	20.0
1,2,3-Trichloropropane	Ave	0.1239	0.1269		10.2	10.0	2.4	20.0
N-Propylbenzene	Ave	3.830	3.888		10.2	10.0	1.5	20.0
2-Chlorotoluene	Ave	0.7336	0.7526		10.3	10.0	2.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1
 SDG No.: _____
 Lab Sample ID: CCVIS 410-373833/3 Calibration Date: 05/09/2023 18:24
 Instrument ID: 19094 Calib Start Date: 04/19/2023 21:41
 GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 04/19/2023 23:41
 Lab File ID: HY09X02.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
1,3,5-Trimethylbenzene	Ave	2.681	2.698		10.1	10.0	0.6	20.0
4-Chlorotoluene	Ave	0.7502	0.7768		10.4	10.0	3.5	20.0
tert-Butylbenzene	Ave	0.5802	0.5920		10.2	10.0	2.0	20.0
Pentachloroethane	Ave	0.4749	0.4820		10.1	10.0	1.5	20.0
1,2,4-Trimethylbenzene	Ave	2.705	2.755		10.2	10.0	1.8	20.0
sec-Butylbenzene	Ave	3.355	3.455		10.3	10.0	3.0	20.0
1,3-Dichlorobenzene	Ave	1.425	1.491	0.6000	10.5	10.0	4.7	20.0
p-Isopropyltoluene	Ave	2.864	2.993		10.4	10.0	4.5	20.0
1,4-Dichlorobenzene	Ave	1.352	1.420	0.5000	10.5	10.0	5.1	20.0
1,2,3-Trimethylbenzene	Ave	1.166	1.181		10.1	10.0	1.3	20.0
Benzyl chloride	Ave	0.1899	0.2243		11.8	10.0	18.1	20.0
n-Butylbenzene	Ave	1.367	1.481		10.8	10.0	8.4	20.0
1,2-Dichlorobenzene	Ave	1.263	1.329	0.4000	10.5	10.0	5.2	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0617	0.0733	0.0500	11.9	10.0	18.7	20.0
1,3,5-Trichlorobenzene	Ave	0.995	1.128		11.3	10.0	13.4	20.0
1,2,4-Trichlorobenzene	Ave	0.7970	0.9169	0.2000	11.5	10.0	15.0	20.0
Hexachlorobutadiene	Ave	0.2980	0.3539		11.9	10.0	18.8	20.0
Naphthalene	Ave	1.314	1.454		11.1	10.0	10.7	20.0
1,2,3-Trichlorobenzene	Ave	0.6320	0.7284		11.5	10.0	15.3	20.0
Dibromofluoromethane (Surr)	Ave	0.2376	0.2510		10.6	10.0	5.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0442	0.0465		10.5	10.0	5.1	20.0
Toluene-d8 (Surr)	Ave	1.361	1.272		9.35	10.0	-6.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4936	0.4864		9.85	10.0	-1.5	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20230509-83587.b\HY09X02.D
 Lims ID: CCVIS VSTD10
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 09-May-2023 18:24:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083587-003
 Misc. Info.: CCVIS
 Operator ID: gaw91131 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20230509-83587.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-May-2023 20:17:05 Calib Date: 19-Apr-2023 23:41:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1645

First Level Reviewer: JS6E

Date: 09-May-2023 19:15:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.892	1.892	0.000	99	567818	10.0	10.3	
5 Chloromethane	50	2.087	2.087	0.000	99	711300	10.0	9.75	
6 Vinyl chloride	62	2.196	2.196	0.000	98	678982	10.0	9.96	
7 Butadiene	39	2.196	2.196	0.000	97	802753	10.0	11.5	
9 Bromomethane	94	2.526	2.526	0.000	90	423710	10.0	9.95	
10 Chloroethane	64	2.593	2.593	0.000	100	361815	10.0	9.48	
11 Dichlorofluoromethane	67	2.824	2.824	0.000	97	862780	10.0	9.44	
12 Trichlorofluoromethane	101	2.898	2.898	0.000	97	802315	10.0	10.4	
14 Ethyl ether	59	3.111	3.111	0.000	92	315373	10.0	10.1	
15 1,2-Dichloro-1,1,2-trifluoroethane	67	3.202	3.202	0.000	93	555624	10.0	9.25	
16 Acrolein	56	3.275	3.275	0.000	99	2305017	500.0	436.6	
17 1,1-Dichloroethene	96	3.416	3.416	0.000	98	423069	10.0	11.1	
19 Acetone	43	3.446	3.446	0.000	100	547128	100.0	103.7	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.458	3.458	0.000	93	439801	10.0	12.3	
21 Iodomethane	142	3.605	3.605	0.000	98	809783	10.0	11.8	
22 Ethyl bromide	108	3.629	3.629	0.000	98	375610	10.0	10.5	
23 Carbon disulfide	76	3.708	3.708	0.000	99	1317912	10.0	12.2	
24 Methyl acetate	43	3.849	3.849	0.000	97	193405	10.0	11.0	
26 3-Chloro-1-propene	41	3.867	3.867	0.000	92	736072	10.0	10.9	
27 Methylene Chloride	84	4.050	4.050	0.000	93	449982	10.0	11.2	
* 28 t-Butyl alcohol-d10 (IS)	65	4.068	4.068	0.000	99	79934	50.0	50.0	
29 2-Methyl-2-propanol	59	4.172	4.172	0.000	100	337419	200.0	218.8	
31 Acrylonitrile	53	4.367	4.367	0.000	99	203423	25.0	25.6	
32 Methyl tert-butyl ether	73	4.434	4.434	0.000	96	995502	10.0	10.9	
33 trans-1,2-Dichloroethene	96	4.458	4.458	0.000	99	470662	10.0	11.1	
34 Hexane	57	4.885	4.885	0.000	93	638724	10.0	12.3	
36 1,1-Dichloroethane	63	5.117	5.117	0.000	96	886759	10.0	11.0	
37 Isopropyl ether	45	5.178	5.178	0.000	95	1512071	10.0	10.8	
38 2-Chloro-1,3-butadiene	53	5.226	5.226	0.000	91	761557	10.0	10.9	
40 Tert-butyl ethyl ether	59	5.714	5.714	0.000	98	1330362	10.0	10.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.915	5.915	0.000	100	1032366	100.0	97.4	
42 cis-1,2-Dichloroethene	96	5.958	5.958	0.000	83	513861	10.0	11.1	
43 2,2-Dichloropropane	77	5.970	5.970	0.000	87	744407	10.0	11.3	
44 Propionitrile	54	6.007	6.007	0.000	100	577199	200.0	212.9	
47 Methacrylonitrile	67	6.220	6.220	0.000	92	1071907	100.0	87.5	
48 Chlorobromomethane	128	6.287	6.287	0.000	96	211443	10.0	12.3	
49 Tetrahydrofuran	71	6.299	6.299	0.000	81	139086	50.0	48.4	
50 Chloroform	83	6.446	6.446	0.000	93	852140	10.0	11.1	
\$ 52 Dibromofluoromethane (Surr)	113	6.659	6.659	0.000	94	418719	10.0	10.6	
53 1,1,1-Trichloroethane	97	6.677	6.677	0.000	99	766255	10.0	11.3	
54 Cyclohexane	56	6.781	6.781	0.000	91	829378	10.0	11.4	
55 1,1-Dichloropropene	75	6.891	6.891	0.000	96	678417	10.0	11.5	
56 Carbon tetrachloride	117	6.891	6.891	0.000	95	682278	10.0	11.9	
57 Isobutyl alcohol	41	7.031	7.031	0.000	94	320799	500.0	518.5	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.116	7.116	0.000	87	77534	10.0	10.5	
59 Benzene	78	7.153	7.153	0.000	96	1987581	10.0	11.4	
60 1,2-Dichloroethane	62	7.226	7.226	0.000	97	490081	10.0	11.5	
63 Tert-amyl methyl ether	73	7.348	7.348	0.000	99	1134550	10.0	11.0	
* 64 Fluorobenzene (IS)	96	7.561	7.561	0.000	99	1668267	10.0	10.0	
65 n-Heptane	43	7.580	7.580	0.000	92	618875	10.0	12.8	
67 n-Butanol	56	7.927	7.927	0.000	88	496556	875.0	1107.0	
68 Trichloroethene	95	8.049	8.049	0.000	99	535437	10.0	11.5	
69 Methylcyclohexane	83	8.366	8.366	0.000	92	829549	10.0	12.0	
70 1,2-Dichloropropane	63	8.384	8.384	0.000	97	515981	10.0	11.4	
71 2-ethoxy-2-methyl butane	87	8.396	8.396	0.000	92	716927	10.0	11.2	
72 Methyl methacrylate	69	8.470	8.470	0.000	90	209785	10.0	9.16	
73 1,4-Dioxane	88	8.482	8.482	0.000	36	45930	500.0	644.2	
74 Dibromomethane	93	8.494	8.494	0.000	96	220696	10.0	12.0	
76 Dichlorobromomethane	83	8.732	8.732	0.000	100	609563	10.0	11.3	
77 2-Nitropropane	41	8.994	8.994	0.000	97	312493	50.0	44.9	
79 1-Bromo-2-chloroethane	63	9.128	9.128	0.000	99	501728	10.0	11.9	
80 cis-1,3-Dichloropropene	75	9.287	9.287	0.000	96	752218	10.0	11.7	
82 4-Methyl-2-pentanone (MIBK)	43	9.463	9.463	0.000	97	2707748	100.0	89.7	
\$ 83 Toluene-d8 (Surr)	98	9.610	9.610	0.000	93	1728299	10.0	9.35	
84 Toluene	92	9.689	9.689	0.000	98	1270047	10.0	10.4	
85 trans-1,3-Dichloropropene	75	9.951	9.951	0.000	93	611046	10.0	10.8	
104 Ethyl methacrylate	69	10.018	10.018	0.000	90	445743	10.0	10.3	
106 1,1,2-Trichloroethane	97	10.158	10.158	0.000	90	318354	10.0	10.2	
107 Tetrachloroethene	166	10.250	10.250	0.000	98	596349	10.0	11.0	
108 1,3-Dichloropropane	76	10.323	10.323	0.000	90	555889	10.0	10.7	
109 2-Hexanone	43	10.372	10.372	0.000	97	1853371	100.0	92.7	
111 Chlorodibromomethane	129	10.542	10.542	0.000	90	410711	10.0	10.9	
112 Ethylene Dibromide	107	10.652	10.652	0.000	98	307353	10.0	11.0	
* 113 Chlorobenzene-d5 (IS)	117	11.091	11.091	0.000	85	1358814	10.0	10.0	
114 1-Chlorohexane	91	11.103	11.103	0.000	98	758875	10.0	10.3	
115 Chlorobenzene	112	11.115	11.115	0.000	96	1396674	10.0	10.6	
116 1,1,1,2-Tetrachloroethane	131	11.201	11.201	0.000	96	486180	10.0	10.7	
117 Ethylbenzene	91	11.207	11.207	0.000	99	2515949	10.0	10.5	
119 m-Xylene & p-Xylene	106	11.323	11.323	0.000	100	1898016	20.0	21.1	
120 o-Xylene	106	11.652	11.652	0.000	97	911951	10.0	10.4	
121 Styrene	104	11.670	11.670	0.000	95	1518756	10.0	10.5	
122 Bromoform	173	11.829	11.829	0.000	97	254280	10.0	11.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 Isopropylbenzene	105	11.957	11.957	0.000	96	2475967	10.0	10.5	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.103	12.103	0.000	92	660913	10.0	9.85	
127 1,1,2,2-Tetrachloroethane	83	12.201	12.201	0.000	92	401474	10.0	9.82	
128 Bromobenzene	156	12.219	12.219	0.000	97	572837	10.0	10.6	
129 trans-1,4-Dichloro-2-butene	53	12.225	12.225	0.000	92	957473	100.0	99.6	
130 1,2,3-Trichloropropane	110	12.249	12.249	0.000	82	98739	10.0	10.2	
131 N-Propylbenzene	91	12.286	12.286	0.000	99	3024729	10.0	10.2	
132 2-Chlorotoluene	126	12.365	12.365	0.000	97	585496	10.0	10.3	
133 1,3,5-Trimethylbenzene	105	12.426	12.426	0.000	94	2098895	10.0	10.1	
134 4-Chlorotoluene	126	12.457	12.457	0.000	97	604285	10.0	10.4	
135 tert-Butylbenzene	134	12.664	12.664	0.000	93	460545	10.0	10.2	
136 Pentachloroethane	167	12.700	12.700	0.000	94	374940	10.0	10.1	
137 1,2,4-Trimethylbenzene	105	12.707	12.707	0.000	97	2143096	10.0	10.2	
138 sec-Butylbenzene	105	12.828	12.828	0.000	94	2687826	10.0	10.3	
139 1,3-Dichlorobenzene	146	12.932	12.932	0.000	98	1160172	10.0	10.5	
140 4-Isopropyltoluene	119	12.938	12.938	0.000	97	2328049	10.0	10.4	
* 141 1,4-Dichlorobenzene-d4	152	12.987	12.987	0.000	94	777939	10.0	10.0	
142 1,4-Dichlorobenzene	146	13.005	13.005	0.000	95	1104763	10.0	10.5	
143 1,2,3-Trimethylbenzene	120	13.011	13.011	0.000	99	919033	10.0	10.1	
144 Benzyl chloride	126	13.078	13.078	0.000	98	174476	10.0	11.8	
145 p-Diethylbenzene	119	13.139	13.139	0.000	91	1366510	10.0	10.4	
146 n-Butylbenzene	92	13.231	13.231	0.000	96	1152405	10.0	10.8	
147 1,2-Dichlorobenzene	146	13.261	13.261	0.000	99	1033753	10.0	10.5	
149 1,2-Dibromo-3-Chloropropane	155	13.804	13.804	0.000	88	57023	10.0	11.9	
150 1,3,5-Trichlorobenzene	180	13.932	13.932	0.000	98	877823	10.0	11.3	
151 1,2,4-Trichlorobenzene	180	14.353	14.353	0.000	94	713265	10.0	11.5	
152 Hexachlorobutadiene	225	14.438	14.438	0.000	96	275312	10.0	11.9	
153 Naphthalene	128	14.535	14.535	0.000	97	1131488	10.0	11.1	
154 1,2,3-Trichlorobenzene	180	14.676	14.676	0.000	95	566673	10.0	11.5	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

MSV_LL_GAS826_00149	Amount Added: 20.00	Units: uL	
MSV_LL_#1_826_00076	Amount Added: 20.00	Units: uL	
MSV_LL_#2_826_00084	Amount Added: 20.00	Units: uL	
MSV_LLcentISS_00007	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19094\20230509-83587.b\HY09X02.D

Injection Date: 09-May-2023 18:24:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: CCVIS VSTD10

Worklist Smp#: 3

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

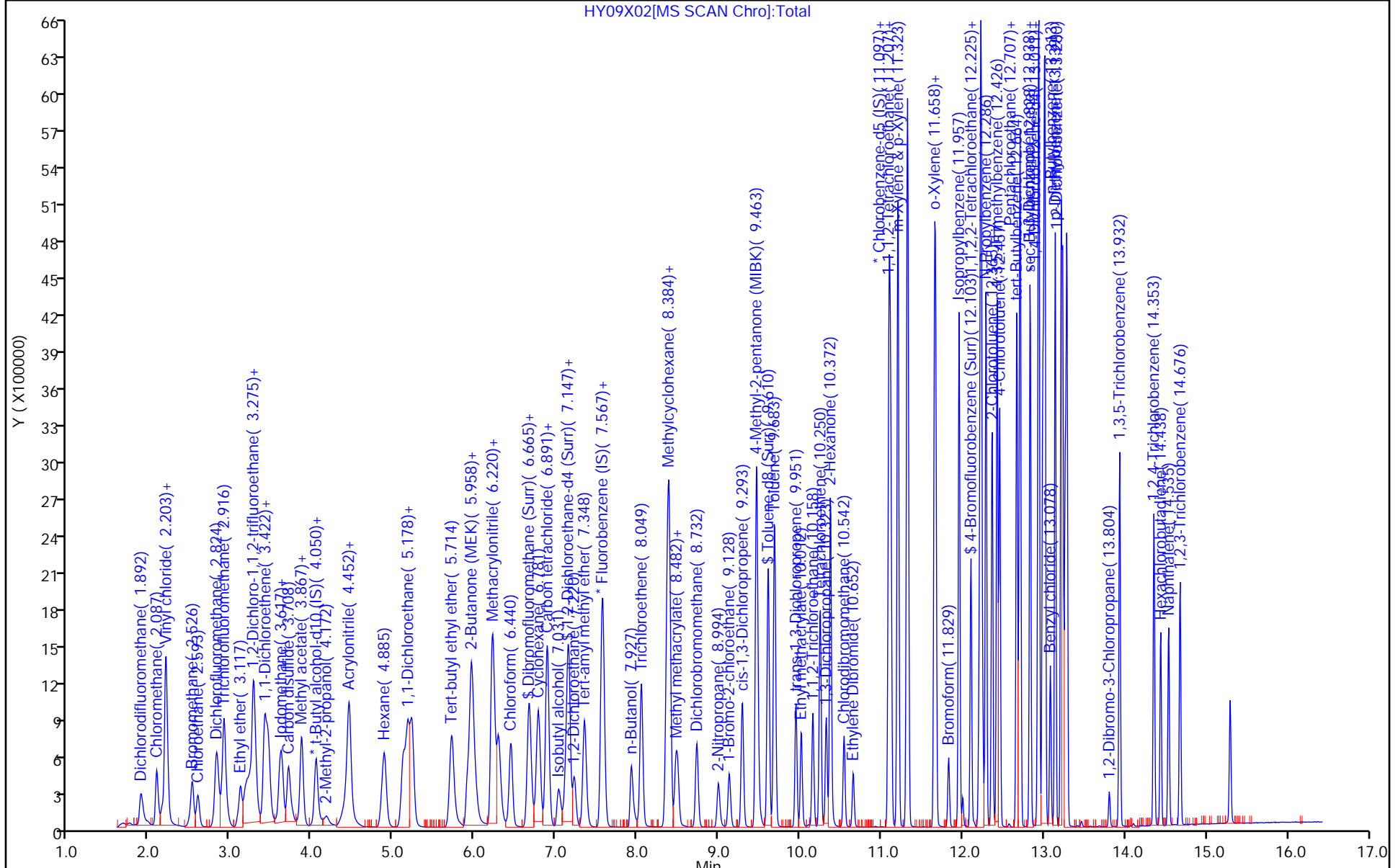
ALS Bottle#: 2

Method: MSV_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



HY09X02[MS SCAN Chrom]:Total

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1
 SDG No.: _____
 Lab Sample ID: ICV 410-355532/19 Calibration Date: 03/21/2023 06:23
 Instrument ID: 19930 Calib Start Date: 03/21/2023 04:01
 GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 03/21/2023 06:02
 Lab File ID: IM21X18.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	0.3727	0.3748	0.1000	5.03	5.00	0.6	30.0
Chloromethane	Ave	0.4040	0.3866	0.1000	4.78	5.00	-4.3	30.0
Vinyl chloride	Ave	0.3940	0.3819	0.1000	4.85	5.00	-3.1	30.0
1,3-Butadiene	Ave	0.3604	0.3553		4.93	5.00	-1.4	30.0
Bromomethane	Ave	0.3056	0.3055	0.1000	5.00	5.00	-0.0	30.0
Chloroethane	Ave	0.2395	0.2414	0.1000	5.04	5.00	0.8	30.0
Dichlorofluoromethane	Ave	0.6414	0.6378		4.97	5.00	-0.6	30.0
Trichlorofluoromethane	Ave	0.6363	0.5490	0.1000	4.31	5.00	-13.7	30.0
Ethyl ether	Ave	0.2084	0.2005		4.80	4.99	-3.8	30.0
Freon 123a	Ave	0.3557	0.3586		5.04	5.00	0.8	30.0
Acrolein	Ave	2.653	2.750		38.9	37.5	3.6	30.0
1,1-Dichloroethene	Ave	0.2576	0.2632	0.1000	5.11	5.00	2.2	30.0
Acetone	Ave	3.205	2.690	0.1000	52.5	62.5	-16.1	30.0
Freon 113	Ave	0.2932	0.2884	0.1000	4.92	5.00	-1.6	30.0
Methyl iodide	Ave	0.5587	0.5317		4.76	5.00	-4.8	30.0
Ethyl bromide	Ave	0.2404	0.2196		4.50	4.93	-8.7	30.0
Carbon disulfide	Ave	0.7224	0.6798	0.1000	4.71	5.00	-5.9	30.0
Methyl acetate	Ave	11.47	10.60	0.1000	4.62	5.00	-7.6	30.0
Allyl chloride	Ave	0.4338	0.4175		4.81	5.00	-3.7	30.0
Methylene Chloride	Ave	0.2737	0.2721	0.1000	4.97	5.00	-0.6	30.0
t-Butyl alcohol	Ave	1.042	0.8970		43.0	50.0	-13.9	30.0
Acrylonitrile	Ave	3.897	4.255		27.3	25.0	9.2	30.0
Methyl tertiary butyl ether	Ave	0.6624	0.6322	0.1000	4.77	5.00	-4.6	30.0
trans-1,2-Dichloroethene	Ave	0.2899	0.2808	0.1000	4.84	5.00	-3.1	30.0
n-Hexane	Ave	0.3826	0.3739		4.89	5.00	-2.3	30.0
1,1-Dichloroethane	Ave	0.5259	0.5181	0.2000	4.93	5.00	-1.5	30.0
di-Isopropyl ether	Ave	0.8781	0.8472		4.82	5.00	-3.5	30.0
2-Chloro-1,3-butadiene	Ave	0.4455	0.4355		4.89	5.00	-2.2	30.0
Ethyl t-butyl ether	Ave	0.6090	0.6087		5.00	5.00	-0.0	30.0
2-Butanone	Ave	5.918	6.126	0.1000	64.7	62.5	3.5	30.0
cis-1,2-Dichloroethene	Ave	0.3168	0.3235	0.1000	5.10	5.00	2.1	30.0
2,2-Dichloropropane	Ave	0.4783	0.4954		5.18	5.00	3.6	30.0
Propionitrile	Ave	1.373	1.225		33.5	37.5	-10.7	30.0
Methacrylonitrile	Ave	6.302	6.626		39.4	37.5	5.1	30.0
Bromochloromethane	Ave	0.1475	0.1518		5.14	5.00	2.9	30.0
Tetrahydrofuran	Ave	1.816	1.793		24.7	25.0	-1.3	30.0
Chloroform	Ave	0.5403	0.5376	0.2000	4.97	5.00	-0.5	30.0
1,1,1-Trichloroethane	Ave	0.5104	0.5222	0.1000	5.12	5.00	2.3	30.0
Cyclohexane	Ave	0.4855	0.4847	0.1000	4.99	5.00	-0.2	30.0
1,1-Dichloropropene	Ave	0.3971	0.4165		5.24	5.00	4.9	30.0
Carbon tetrachloride	Ave	0.4724	0.4889	0.1000	5.17	5.00	3.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1
 SDG No.: _____
 Lab Sample ID: ICV 410-355532/19 Calibration Date: 03/21/2023 06:23
 Instrument ID: 19930 Calib Start Date: 03/21/2023 04:01
 GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 03/21/2023 06:02
 Lab File ID: IM21X18.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
Isobutyl alcohol	Ave	0.3732	0.2759		92.4	125	-26.1	30.0
Benzene	Ave	1.160	1.173	0.5000	5.06	5.00	1.2	30.0
1,2-Dichloroethane	Ave	0.3556	0.3433	0.1000	4.83	5.00	-3.5	30.0
t-Amyl methyl ether	Ave	0.4700	0.4712		5.01	5.00	0.3	30.0
n-Heptane	Ave	0.3988	0.3715		4.66	5.00	-6.9	30.0
n-Butanol	Ave	0.2700	0.1628		151	250	-39.7*	30.0
Trichloroethene	Ave	0.3269	0.3185	0.2000	4.87	5.00	-2.6	30.0
Methylcyclohexane	Ave	0.5385	0.5366	0.1000	4.98	5.00	-0.3	30.0
1,2-Dichloropropane	Ave	0.2922	0.2980	0.1000	5.10	5.00	2.0	30.0
Methyl methacrylate	Ave	12.78	13.24		5.18	5.00	3.6	30.0
Dibromomethane	Ave	0.1495	0.1564		5.23	5.00	4.6	30.0
1,4-Dioxane	Ave	0.0840	0.0392	0.0050	58.3	125	-53.4*	30.0
Bromodichloromethane	Ave	0.3873	0.3929	0.2000	5.07	5.00	1.4	30.0
2-Nitropropane	Ave	4.563	4.289		4.70	5.00	-6.0	30.0
1-Bromo-2-chloroethane	Ave	0.2756	0.2751		4.99	5.00	-0.2	30.0
cis-1,3-Dichloropropene	Ave	0.4474	0.4470	0.2000	5.00	5.00	-0.0	30.0
4-Methyl-2-pentanone	Ave	17.54	18.78	0.1000	66.9	62.5	7.1	30.0
Toluene	Ave	0.9925	1.000	0.4000	5.04	5.00	0.8	30.0
trans-1,3-Dichloropropene	Ave	0.4821	0.4872	0.1000	5.05	5.00	1.1	30.0
Ethyl methacrylate	Ave	0.3741	0.3679		4.92	5.00	-1.7	30.0
1,1,2-Trichloroethane	Ave	0.2715	0.2723	0.1000	5.02	5.00	0.3	30.0
Tetrachloroethene	Ave	0.5350	0.5379	0.2000	5.03	5.00	0.5	30.0
1,3-Dichloropropane	Ave	0.4475	0.4603		5.14	5.00	2.9	30.0
2-Hexanone	Ave	12.23	13.11	0.1000	67.0	62.5	7.2	30.0
Dibromochloromethane	Ave	0.3738	0.3806		5.09	5.00	1.8	30.0
1,2-Dibromoethane	Ave	0.2631	0.2685	0.1000	5.10	5.00	2.1	30.0
1-Chlorohexane	Ave	0.5717	0.5477		4.79	5.00	-4.2	30.0
Chlorobenzene	Ave	1.141	1.134	0.5000	4.97	5.00	-0.6	30.0
1,1,1,2-Tetrachloroethane	Ave	0.4194	0.4413		5.26	5.00	5.2	30.0
Ethylbenzene	Ave	1.933	1.962	0.1000	5.08	5.00	1.5	30.0
m&p-Xylene	Ave	0.7702	0.7944	0.1000	10.3	10.0	3.1	30.0
o-Xylene	Ave	0.7530	0.7725	0.3000	5.13	5.00	2.6	30.0
Styrene	Ave	1.168	1.221	0.3000	5.23	5.00	4.5	30.0
Bromoform	Ave	0.2436	0.2441	0.1000	5.01	5.00	0.2	30.0
Isopropylbenzene	Ave	1.977	2.085	0.1000	5.27	5.00	5.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5511	0.5412	0.3000	4.91	5.00	-1.8	30.0
Bromobenzene	Ave	0.8229	0.8204		4.98	5.00	-0.3	30.0
trans-1,4-Dichloro-2-butene	Ave	6.893	7.113		25.8	25.0	3.2	30.0
1,2,3-Trichloropropane	Ave	0.1558	0.1538		4.94	5.00	-1.3	30.0
N-Propylbenzene	Ave	3.612	3.700		5.12	5.00	2.4	30.0
2-Chlorotoluene	Ave	0.7797	0.7911		5.07	5.00	1.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1
 SDG No.: _____
 Lab Sample ID: ICV 410-355532/19 Calibration Date: 03/21/2023 06:23
 Instrument ID: 19930 Calib Start Date: 03/21/2023 04:01
 GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 03/21/2023 06:02
 Lab File ID: IM21X18.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
1,3,5-Trimethylbenzene	Ave	2.706	2.778		5.13	5.00	2.6	30.0
4-Chlorotoluene	Ave	0.7781	0.7924		5.09	5.00	1.8	30.0
tert-Butylbenzene	Ave	0.6706	0.6892		5.14	5.00	2.8	30.0
Pentachloroethane	Ave	0.5200	0.5222		5.02	5.00	0.4	30.0
1,2,4-Trimethylbenzene	Ave	2.780	2.813		5.06	5.00	1.2	30.0
sec-Butylbenzene	Ave	3.441	3.558		5.17	5.00	3.4	30.0
1,3-Dichlorobenzene	Ave	1.546	1.537	0.6000	4.97	5.00	-0.6	30.0
p-Isopropyltoluene	Ave	3.074	3.171		5.16	5.00	3.1	30.0
1,4-Dichlorobenzene	Ave	1.511	1.554	0.5000	5.14	5.00	2.8	30.0
1,2,3-Trimethylbenzene	Ave	1.285	1.242		4.83	5.00	-3.3	30.0
Benzyl chloride	Ave	0.2173	0.2159		4.97	5.00	-0.7	30.0
n-Butylbenzene	Ave	1.350	1.390		5.15	5.00	2.9	30.0
1,2-Dichlorobenzene	Ave	1.468	1.454	0.4000	4.95	5.00	-0.9	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0905	0.0815	0.0500	4.50	5.00	-9.9	30.0
1,3,5-Trichlorobenzene	Ave	1.171	1.141		4.87	5.00	-2.6	30.0
1,2,4-Trichlorobenzene	Ave	0.9419	0.9137	0.2000	4.85	5.00	-3.0	30.0
Hexachlorobutadiene	Ave	0.5406	0.5177		4.79	5.00	-4.2	30.0
Naphthalene	Ave	1.753	1.574		4.49	5.00	-10.2	30.0
1,2,3-Trichlorobenzene	Ave	0.8552	0.7769		4.54	5.00	-9.2	30.0
Dibromofluoromethane (Surr)	Ave	0.2649	0.2640		9.97	10.0	-0.3	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0503	0.0511		10.2	10.0	1.8	30.0
Toluene-d8 (Surr)	Ave	1.287	1.292		10.0	10.0	0.3	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4693	0.4698		10.0	10.0	0.1	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X18.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 21-Mar-2023 06:23:30 ALS Bottle#: 18 Worklist Smp#: 19
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0079468-019
 Operator ID: mec29284 Instrument ID: 19930
 Sublist:
 Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 21-Mar-2023 17:39:19 Calib Date: 21-Mar-2023 06:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1651

First Level Reviewer: K4WN

Date: 21-Mar-2023 16:38:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.898	1.898	0.000	99	440705	5.00	5.03	
4 Chloromethane	50	2.093	2.087	0.006	99	454642	5.00	4.78	
5 Vinyl chloride	62	2.209	2.203	0.006	98	449044	5.00	4.85	
6 Butadiene	39	2.215	2.209	0.006	95	417750	5.00	4.93	
7 Bromomethane	94	2.532	2.526	0.006	93	359202	5.00	5.00	
8 Chloroethane	64	2.605	2.599	0.006	99	283837	5.00	5.04	
9 Dichlorofluoromethane	67	2.843	2.837	0.006	98	749944	5.00	4.97	
10 Trichlorofluoromethane	101	2.910	2.898	0.012	97	645547	5.00	4.31	
11 Ethyl ether	59	3.148	3.135	0.013	91	235181	4.99	4.80	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.227	3.227	0.000	90	421615	5.00	5.04	
14 Acrolein	56	3.312	3.306	0.006	96	246651	37.5	38.9	
15 1,1-Dichloroethene	96	3.446	3.434	0.012	98	309444	5.00	5.11	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.483	3.477	0.006	90	339162	5.00	4.92	
16 Acetone	43	3.477	3.477	0.000	77	402171	62.5	52.5	
18 Iodomethane	142	3.635	3.629	0.006	100	625241	5.00	4.76	
19 Ethyl bromide	108	3.666	3.660	0.006	99	254376	4.93	4.50	
20 Carbon disulfide	76	3.739	3.733	0.006	100	799344	5.00	4.71	
23 Methyl acetate	43	3.891	3.879	0.012	96	126821	5.00	4.62	M
24 3-Chloro-1-propene	41	3.904	3.897	0.007	88	490953	5.00	4.81	
25 Methylene Chloride	84	4.086	4.086	0.000	93	319903	5.00	4.97	
* 26 t-Butyl alcohol-d10 (IS)	65	4.172	4.135	0.037	99	119620	50.0	50.0	
27 2-Methyl-2-propanol	59	4.281	4.263	0.018	99	107301	50.0	43.0	
28 Acrylonitrile	53	4.422	4.416	0.006	97	254468	25.0	27.3	
29 Methyl tert-butyl ether	73	4.489	4.477	0.012	90	743384	5.00	4.77	
30 trans-1,2-Dichloroethene	96	4.495	4.495	0.000	99	330220	5.00	4.84	
31 Hexane	57	4.922	4.915	0.007	95	439713	5.00	4.89	
32 1,1-Dichloroethane	63	5.153	5.147	0.006	96	609266	5.00	4.93	
35 Isopropyl ether	45	5.214	5.214	0.000	91	996224	5.00	4.82	
36 2-Chloro-1,3-butadiene	53	5.263	5.263	0.000	93	512095	5.00	4.89	
37 Tert-butyl ethyl ether	59	5.751	5.751	0.000	97	715742	5.00	5.00	
38 2-Butanone (MEK)	43	5.958	5.958	0.000	100	915962	62.5	64.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 cis-1,2-Dichloroethene	96	5.988	5.982	0.006	83	380339	5.00	5.10	
40 2,2-Dichloropropane	77	6.001	5.995	0.006	87	582489	5.00	5.18	
43 Propionitrile	54	6.049	6.056	-0.007	96	109924	37.5	33.5	
45 Methacrylonitrile	67	6.251	6.244	0.007	93	594437	37.5	39.4	
46 Chlorobromomethane	128	6.312	6.318	-0.006	91	178463	5.00	5.14	
47 Tetrahydrofuran	71	6.330	6.330	0.000	73	107231	25.0	24.7	
48 Chloroform	83	6.470	6.464	0.006	94	632108	5.00	4.97	
\$ 49 Dibromofluoromethane (Surr)	113	6.683	6.677	0.006	94	620940	10.0	9.97	
50 1,1,1-Trichloroethane	97	6.696	6.690	0.006	98	613992	5.00	5.12	
51 Cyclohexane	56	6.793	6.793	0.000	92	569963	5.00	4.99	
53 1,1-Dichloropropene	75	6.903	6.903	0.000	92	489714	5.00	5.24	
54 Carbon tetrachloride	117	6.909	6.909	0.000	95	574844	5.00	5.17	
55 Isobutyl alcohol	41	7.086	7.092	-0.006	89	82508	125.0	92.4	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.135	7.135	0.000	88	120263	10.0	10.2	
57 Benzene	78	7.165	7.165	0.000	98	1379585	5.00	5.06	
58 1,2-Dichloroethane	62	7.238	7.238	0.000	97	403642	5.00	4.83	
60 Tert-amyl methyl ether	73	7.360	7.354	0.006	98	554100	5.00	5.01	
* 61 Fluorobenzene (IS)	96	7.567	7.567	0.000	99	2351747	10.0	10.0	
62 n-Heptane	43	7.586	7.580	0.006	91	436790	5.00	4.66	
63 n-Butanol	56	7.994	7.976	0.018	89	97378	250.0	150.7	
64 Trichloroethene	95	8.049	8.049	0.000	96	374516	5.00	4.87	
65 Methylcyclohexane	83	8.360	8.360	0.000	91	631000	5.00	4.98	
66 1,2-Dichloropropane	63	8.378	8.378	0.000	91	350408	5.00	5.10	
67 Methyl methacrylate	69	8.470	8.464	0.006	89	158328	5.00	5.18	
69 Dibromomethane	93	8.494	8.488	0.006	92	183937	5.00	5.23	
68 1,4-Dioxane	88	8.506	8.537	-0.031	28	11710	125.0	58.3	
71 Dichlorobromomethane	83	8.726	8.726	0.000	98	462012	5.00	5.07	
72 2-Nitropropane	41	8.994	8.994	0.000	97	51305	5.00	4.70	
75 1-Bromo-2-chloroethane	63	9.122	9.122	0.000	99	323509	5.00	4.99	
76 cis-1,3-Dichloropropene	75	9.281	9.280	0.000	94	525581	5.00	5.00	
77 4-Methyl-2-pentanone (MIBK)	43	9.451	9.451	0.000	98	2808655	62.5	66.9	
\$ 78 Toluene-d8 (Surr)	98	9.591	9.591	0.000	94	2396357	10.0	10.0	
79 Toluene	92	9.671	9.671	0.000	98	927679	5.00	5.04	
97 trans-1,3-Dichloropropene	75	9.933	9.933	0.000	95	451987	5.00	5.05	
99 Ethyl methacrylate	69	9.994	9.994	0.000	89	341308	5.00	4.92	
100 1,1,2-Trichloroethane	97	10.140	10.134	0.006	93	252624	5.00	5.02	
101 Tetrachloroethene	166	10.225	10.225	0.000	98	498971	5.00	5.03	
102 1,3-Dichloropropane	76	10.299	10.299	0.000	92	426985	5.00	5.14	
103 2-Hexanone	43	10.353	10.353	0.000	98	1960209	62.5	67.0	
105 Chlorodibromomethane	129	10.518	10.518	0.000	90	353054	5.00	5.09	
106 Ethylene Dibromide	107	10.628	10.628	0.000	98	249111	5.00	5.10	
* 107 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	85	1855345	10.0	10.0	
108 1-Chlorohexane	91	11.073	11.073	0.000	98	508110	5.00	4.79	
109 Chlorobenzene	112	11.085	11.091	-0.006	95	1051657	5.00	4.97	
111 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	94	409415	5.00	5.26	
112 Ethylbenzene	91	11.176	11.176	0.000	98	1819891	5.00	5.08	
113 m-Xylene & p-Xylene	106	11.292	11.292	0.000	94	1473862	10.0	10.3	
114 o-Xylene	106	11.622	11.621	0.001	95	716659	5.00	5.13	
115 Styrene	104	11.634	11.634	0.000	93	1132567	5.00	5.23	
116 Bromoform	173	11.792	11.792	0.000	97	226418	5.00	5.01	
117 Isopropylbenzene	105	11.920	11.920	0.000	96	1934244	5.00	5.27	
\$ 120 4-Bromofluorobenzene (Surr)	95	12.067	12.067	0.000	96	871567	10.0	10.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	95	314274	5.00	4.91	
122 Bromobenzene	156	12.182	12.182	0.000	90	476354	5.00	4.98	
123 trans-1,4-Dichloro-2-butene	53	12.188	12.188	0.000	94	425435	25.0	25.8	
124 1,2,3-Trichloropropane	110	12.213	12.213	0.000	85	89310	5.00	4.94	
125 N-Propylbenzene	91	12.249	12.249	0.000	99	2148166	5.00	5.12	
126 2-Chlorotoluene	126	12.329	12.329	0.000	97	459387	5.00	5.07	
127 1,3,5-Trimethylbenzene	105	12.390	12.384	0.006	95	1612969	5.00	5.13	
128 4-Chlorotoluene	126	12.420	12.420	0.000	97	460128	5.00	5.09	
129 tert-Butylbenzene	134	12.627	12.627	0.000	93	400188	5.00	5.14	
130 Pentachloroethane	167	12.664	12.664	0.000	92	303231	5.00	5.02	
131 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	1633306	5.00	5.06	
132 sec-Butylbenzene	105	12.792	12.792	0.000	94	2065790	5.00	5.17	
133 1,3-Dichlorobenzene	146	12.890	12.890	0.000	99	892420	5.00	4.97	
134 4-Isopropyltoluene	119	12.902	12.902	0.000	97	1841246	5.00	5.16	
* 135 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	1161321	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.963	12.963	0.000	95	902228	5.00	5.14	
137 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	98	721426	5.00	4.83	
138 Benzyl chloride	126	13.042	13.042	0.000	99	125351	5.00	4.97	
139 n-Butylbenzene	92	13.194	13.188	0.006	97	807203	5.00	5.15	
140 1,2-Dichlorobenzene	146	13.225	13.225	0.000	98	844375	5.00	4.95	
142 1,2-Dibromo-3-Chloropropane	155	13.767	13.767	0.000	87	47315	5.00	4.50	
143 1,3,5-Trichlorobenzene	180	13.895	13.889	0.006	98	662490	5.00	4.87	
144 1,2,4-Trichlorobenzene	180	14.316	14.316	0.000	94	530576	5.00	4.85	
145 Hexachlorobutadiene	225	14.395	14.395	0.000	96	300582	5.00	4.79	
146 Naphthalene	128	14.493	14.493	0.000	97	914175	5.00	4.49	
147 1,2,3-Trichlorobenzene	180	14.639	14.639	0.000	95	451134	5.00	4.54	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00101	Amount Added: 12.50	Units: uL	
MSV_LCS_ACROL_00103	Amount Added: 12.50	Units: uL	
LCS_ETBR_00005	Amount Added: 12.50	Units: uL	
MSV_LCS_EE_00004	Amount Added: 12.50	Units: uL	
MSV_QC_Gas826_00131	Amount Added: 12.50	Units: uL	
MSV_LCS_Penta_00026	Amount Added: 12.50	Units: uL	
MSV_LLcentISS_00006	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X18.D

Injection Date: 21-Mar-2023 06:23:30

Instrument ID: 19930

Operator ID: mec29284

Lims ID: ICV

Worklist Smp#: 19

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

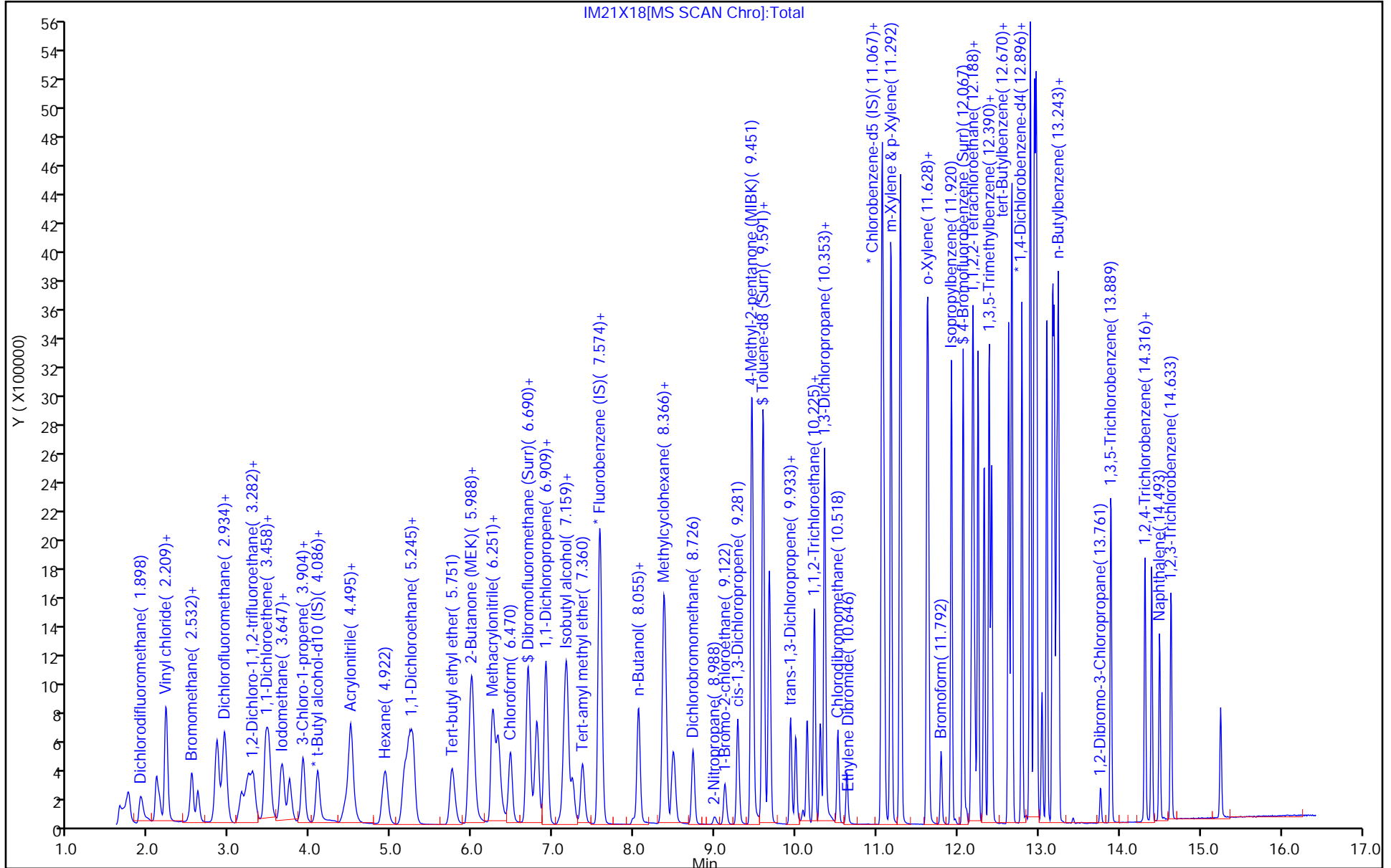
ALS Bottle#: 18

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Euofins Lancaster Laboratories Environment Testing, LLC

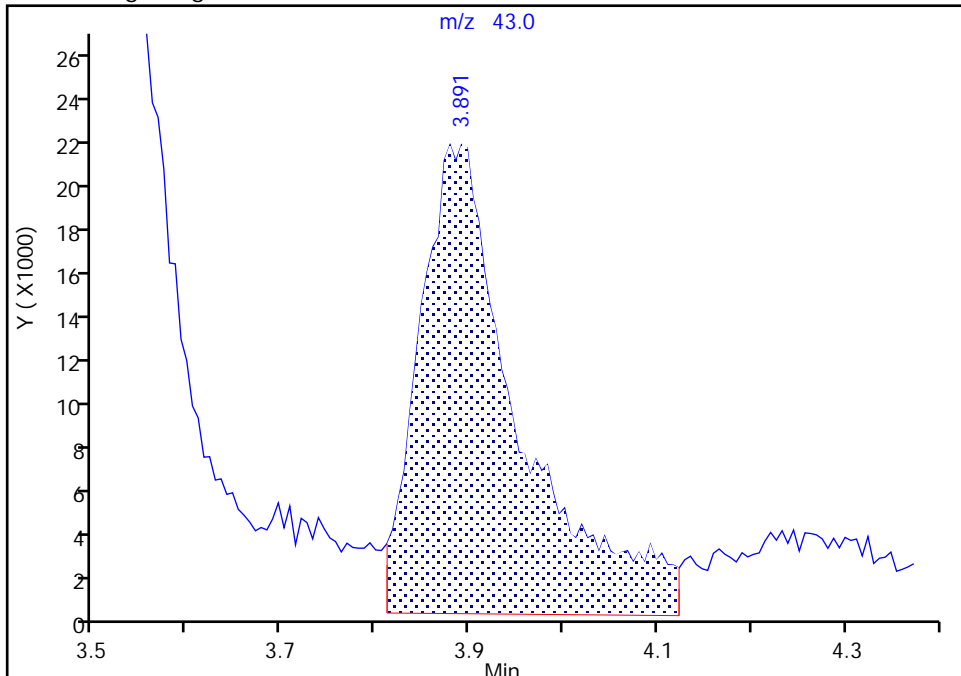
Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X18.D
Injection Date: 21-Mar-2023 06:23:30 Instrument ID: 19930
Lims ID: ICV
Client ID:
Operator ID: mec29284 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

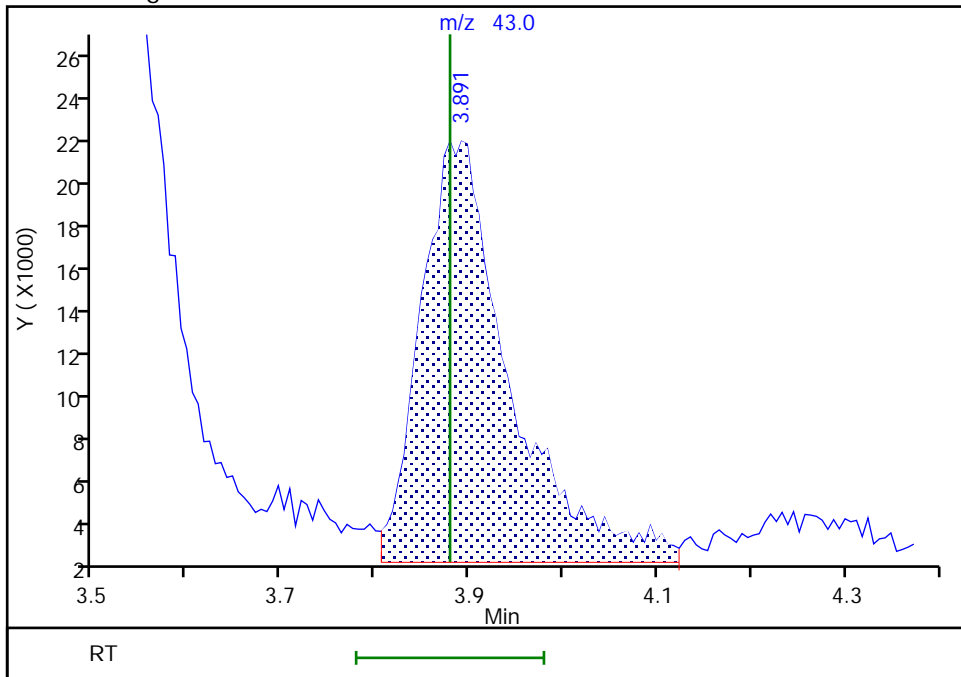
RT: 3.89
Area: 154022
Amount: 5.612031
Amount Units: ug/l

Processing Integration Results



RT: 3.89
Area: 126821
Amount: 4.620921
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 21-Mar-2023 17:38:45
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1

SDG No.: _____

Lab Sample ID: CCVIS 410-372381/3 Calibration Date: 05/04/2023 21:17

Instrument ID: 19930 Calib Start Date: 03/21/2023 04:01

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 03/21/2023 06:02

Lab File ID: IY04X32.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	0.3727	0.3489	0.1000	9.36	10.0	-6.4	20.0
Chloromethane	Ave	0.4040	0.3700	0.1000	9.16	10.0	-8.4	20.0
1,3-Butadiene	Ave	0.3604	0.7867		21.8	10.0	118.3*	20.0
Vinyl chloride	Ave	0.3940	0.3607	0.1000	9.16	10.0	-8.4	20.0
Bromomethane	Ave	0.3056	0.2554	0.1000	8.36	10.0	-16.4	20.0
Chloroethane	Ave	0.2395	0.2196	0.1000	9.17	10.0	-8.3	20.0
Dichlorofluoromethane	Ave	0.6414	0.5718		8.92	10.0	-10.8	20.0
Trichlorofluoromethane	Ave	0.6363	0.5648	0.1000	8.88	10.0	-11.2	20.0
Ethyl ether	Ave	0.2084	0.2039		9.78	10.0	-2.2	20.0
Freon 123a	Ave	0.3557	0.3369		9.47	10.0	-5.3	20.0
Acrolein	Ave	2.653	2.187		412	500	-17.6	20.0
1,1-Dichloroethene	Ave	0.2576	0.2403	0.1000	9.33	10.0	-6.7	20.0
Acetone	Ave	3.205	2.860	0.1000	89.3	100	-10.7	20.0
Freon 113	Ave	0.2932	0.2695	0.1000	9.19	10.0	-8.1	20.0
Methyl iodide	Ave	0.5587	0.4915		8.80	10.0	-12.0	20.0
Ethyl bromide	Ave	0.2404	0.2280		9.50	10.0	-5.1	20.0
Carbon disulfide	Ave	0.7224	0.6135	0.1000	8.49	10.0	-15.1	20.0
Methyl acetate	Ave	11.47	9.475	0.1000	8.26	10.0	-17.4	20.0
Allyl chloride	Ave	0.4338	0.3718		8.57	10.0	-14.3	20.0
Methylene Chloride	Ave	0.2737	0.2724	0.1000	9.95	10.0	-0.5	20.0
t-Butyl alcohol	Ave	1.042	1.066		205	200	2.3	20.0
Acrylonitrile	Ave	3.897	3.556		22.8	25.0	-8.7	20.0
Methyl tertiary butyl ether	Ave	0.6624	0.7306	0.1000	11.0	10.0	10.3	20.0
trans-1,2-Dichloroethene	Ave	0.2899	0.2701	0.1000	9.32	10.0	-6.8	20.0
n-Hexane	Ave	0.3826	0.3312		8.66	10.0	-13.4	20.0
1,1-Dichloroethane	Ave	0.5259	0.5121	0.2000	9.74	10.0	-2.6	20.0
di-Isopropyl ether	Ave	0.8781	0.8385		9.55	10.0	-4.5	20.0
2-Chloro-1,3-butadiene	Ave	0.4455	0.4212		9.45	10.0	-5.5	20.0
Ethyl t-butyl ether	Ave	0.6090	0.8086		13.3	10.0	32.8*	20.0
2-Butanone	Ave	5.918	5.233	0.1000	88.4	100	-11.6	20.0
cis-1,2-Dichloroethene	Ave	0.3168	0.3153	0.1000	9.95	10.0	-0.5	20.0
2,2-Dichloropropane	Ave	0.4783	0.4709		9.85	10.0	-1.5	20.0
Propionitrile	Ave	1.373	1.429		208	200	4.1	20.0
Methacrylonitrile	Ave	6.302	5.309		84.2	100	-15.8	20.0
Bromochloromethane	Ave	0.1475	0.1476		10.0	10.0	0.0	20.0
Tetrahydrofuran	Ave	1.816	1.554		42.8	50.0	-14.5	20.0
Chloroform	Ave	0.5403	0.5542	0.2000	10.3	10.0	2.6	20.0
1,1,1-Trichloroethane	Ave	0.5104	0.5046	0.1000	9.89	10.0	-1.1	20.0
Cyclohexane	Ave	0.4855	0.4320	0.1000	8.90	10.0	-11.0	20.0
1,1-Dichloropropene	Ave	0.3971	0.3878		9.77	10.0	-2.3	20.0
Carbon tetrachloride	Ave	0.4724	0.4656	0.1000	9.86	10.0	-1.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1

SDG No.: _____

Lab Sample ID: CCVIS 410-372381/3 Calibration Date: 05/04/2023 21:17

Instrument ID: 19930 Calib Start Date: 03/21/2023 04:01

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 03/21/2023 06:02

Lab File ID: IY04X32.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
Isobutyl alcohol	Ave	0.3732	0.3757		503	500	0.7	20.0
Benzene	Ave	1.160	1.155	0.5000	9.96	10.0	-0.4	20.0
1,2-Dichloroethane	Ave	0.3556	0.3511	0.1000	9.87	10.0	-1.3	20.0
t-Amyl methyl ether	Ave	0.4700	0.7743		16.5	10.0	64.7*	20.0
n-Heptane	Ave	0.3988	0.3549		8.90	10.0	-11.0	20.0
n-Butanol	Ave	0.2700	0.3114		1010	875	15.3	20.0
Trichloroethene	Ave	0.3269	0.3289	0.2000	10.1	10.0	0.6	20.0
Methylcyclohexane	Ave	0.5385	0.4939	0.1000	9.17	10.0	-8.3	20.0
1,2-Dichloropropane	Ave	0.2922	0.3078	0.1000	10.5	10.0	5.3	20.0
Methyl methacrylate	Ave	12.78	9.99		7.82	10.0	-21.8*	20.0
1,4-Dioxane	Ave	0.0840	0.0689	0.0050	411	500	-17.9	20.0
Dibromomethane	Ave	0.1495	0.1556		10.4	10.0	4.1	20.0
Bromodichloromethane	Ave	0.3873	0.3985	0.2000	10.3	10.0	2.9	20.0
2-Nitropropane	Ave	4.563	3.670		40.2	50.0	-19.6	20.0
1-Bromo-2-chloroethane	Ave	0.2756	0.3100		11.2	10.0	12.5	20.0
cis-1,3-Dichloropropene	Ave	0.4474	0.4389	0.2000	9.81	10.0	-1.9	20.0
4-Methyl-2-pentanone	Ave	17.54	14.25	0.1000	81.2	100	-18.8	20.0
Toluene	Ave	0.9925	0.9852	0.4000	9.93	10.0	-0.7	20.0
trans-1,3-Dichloropropene	Ave	0.4821	0.4815	0.1000	9.99	10.0	-0.1	20.0
Ethyl methacrylate	Ave	0.3741	0.3784		10.1	10.0	1.1	20.0
1,1,2-Trichloroethane	Ave	0.2715	0.2880	0.1000	10.6	10.0	6.1	20.0
Tetrachloroethene	Ave	0.5350	0.5159	0.2000	9.64	10.0	-3.6	20.0
1,3-Dichloropropane	Ave	0.4475	0.4732		10.6	10.0	5.8	20.0
2-Hexanone	Ave	12.23	10.12	0.1000	82.8	100	-17.2	20.0
Dibromochloromethane	Ave	0.3738	0.3701		9.90	10.0	-1.0	20.0
1,2-Dibromoethane	Ave	0.2631	0.2773	0.1000	10.5	10.0	5.4	20.0
1-Chlorohexane	Ave	0.5717	0.5530		9.67	10.0	-3.3	20.0
Chlorobenzene	Ave	1.141	1.171	0.5000	10.3	10.0	2.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4194	0.4343		10.4	10.0	3.5	20.0
Ethylbenzene	Ave	1.933	2.006	0.1000	10.4	10.0	3.8	20.0
m&p-Xylene	Ave	0.7702	0.7901	0.1000	20.5	20.0	2.6	20.0
o-Xylene	Ave	0.7530	0.7707	0.3000	10.2	10.0	2.4	20.0
Styrene	Ave	1.168	1.248	0.3000	10.7	10.0	6.8	20.0
Bromoform	Ave	0.2436	0.2279	0.1000	9.36	10.0	-6.4	20.0
Isopropylbenzene	Ave	1.977	2.047	0.1000	10.4	10.0	3.6	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5511	0.6084	0.3000	11.0	10.0	10.4	20.0
Bromobenzene	Ave	0.8229	0.8345		10.1	10.0	1.4	20.0
trans-1,4-Dichloro-2-butene	Ave	6.893	3.845		55.8	100	-44.2*	20.0
1,2,3-Trichloropropane	Ave	0.1558	0.1699		10.9	10.0	9.1	20.0
N-Propylbenzene	Ave	3.612	3.916		10.8	10.0	8.4	20.0
2-Chlorotoluene	Ave	0.7797	0.7995		10.3	10.0	2.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1
 SDG No.: _____
 Lab Sample ID: CCVIS 410-372381/3 Calibration Date: 05/04/2023 21:17
 Instrument ID: 19930 Calib Start Date: 03/21/2023 04:01
 GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 03/21/2023 06:02
 Lab File ID: IY04X32.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
1,3,5-Trimethylbenzene	Ave	2.706	2.845		10.5	10.0	5.1	20.0
4-Chlorotoluene	Ave	0.7781	0.8196		10.5	10.0	5.3	20.0
tert-Butylbenzene	Ave	0.6706	0.6810		10.2	10.0	1.6	20.0
Pentachloroethane	Ave	0.5200	0.5291		10.2	10.0	1.7	20.0
1,2,4-Trimethylbenzene	Ave	2.780	2.911		10.5	10.0	4.7	20.0
sec-Butylbenzene	Ave	3.441	3.676		10.7	10.0	6.8	20.0
1,3-Dichlorobenzene	Ave	1.546	1.659	0.6000	10.7	10.0	7.3	20.0
p-Isopropyltoluene	Ave	3.074	3.273		10.6	10.0	6.5	20.0
1,4-Dichlorobenzene	Ave	1.511	1.594	0.5000	10.5	10.0	5.4	20.0
1,2,3-Trimethylbenzene	Ave	1.285	1.299		10.1	10.0	1.0	20.0
Benzyl chloride	Ave	0.2173	0.2592		11.9	10.0	19.2	20.0
n-Butylbenzene	Ave	1.350	1.572		11.6	10.0	16.4	20.0
1,2-Dichlorobenzene	Ave	1.468	1.565	0.4000	10.7	10.0	6.7	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0905	0.0936	0.0500	10.4	10.0	3.5	20.0
1,3,5-Trichlorobenzene	Ave	1.171	1.255		10.7	10.0	7.2	20.0
1,2,4-Trichlorobenzene	Ave	0.9419	1.002	0.2000	10.6	10.0	6.4	20.0
Hexachlorobutadiene	Ave	0.5406	0.5303		9.81	10.0	-1.9	20.0
Naphthalene	Ave	1.753	1.773		10.1	10.0	1.1	20.0
1,2,3-Trichlorobenzene	Ave	0.8552	0.8377		9.80	10.0	-2.0	20.0
Dibromofluoromethane (Surr)	Ave	0.2649	0.2692		10.2	10.0	1.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0503	0.0517		10.3	10.0	2.9	20.0
Toluene-d8 (Surr)	Ave	1.287	1.300		10.1	10.0	1.0	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4693	0.4771		10.2	10.0	1.7	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\IY04X32.D
 Lims ID: CCVIS VSTD10
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 04-May-2023 21:17:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083257-003
 Misc. Info.: CCVIS
 Operator ID: MEC29284 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub2
 Method: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 08-May-2023 10:46:39 Calib Date: 21-Mar-2023 06:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1614

First Level Reviewer: K4WN Date: 04-May-2023 21:55:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.892	1.892	0.000	99	741663	10.0	9.36	
4 Chloromethane	50	2.087	2.087	0.000	99	786452	10.0	9.16	
6 Butadiene	39	2.196	2.196	0.000	91	1672225	10.0	21.8	
5 Vinyl chloride	62	2.196	2.196	0.000	75	766802	10.0	9.16	
7 Bromomethane	94	2.526	2.526	0.000	91	542938	10.0	8.36	
8 Chloroethane	64	2.599	2.599	0.000	99	466808	10.0	9.17	
9 Dichlorofluoromethane	67	2.830	2.830	0.000	97	1215488	10.0	8.92	
10 Trichlorofluoromethane	101	2.904	2.904	0.000	99	1200668	10.0	8.88	M
11 Ethyl ether	59	3.123	3.123	0.000	92	433413	10.0	9.78	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.221	3.221	0.000	91	716101	10.0	9.47	
14 Acrolein	56	3.288	3.288	0.000	99	3337615	500.0	412.2	
15 1,1-Dichloroethene	96	3.428	3.428	0.000	98	510887	10.0	9.33	
16 Acetone	43	3.452	3.452	0.000	99	872989	100.0	89.3	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.470	3.470	0.000	92	572808	10.0	9.19	
18 Iodomethane	142	3.617	3.617	0.000	100	1044849	10.0	8.80	
19 Ethyl bromide	108	3.641	3.641	0.000	99	485687	10.0	9.50	
20 Carbon disulfide	76	3.727	3.727	0.000	100	1304118	10.0	8.49	
23 Methyl acetate	43	3.867	3.867	0.000	97	289177	10.0	8.26	
24 3-Chloro-1-propene	41	3.885	3.885	0.000	89	790375	10.0	8.57	
25 Methylene Chloride	84	4.068	4.068	0.000	92	579143	10.0	9.95	
* 26 t-Butyl alcohol-d10 (IS)	65	4.104	4.104	0.000	98	152596	50.0	50.0	
27 2-Methyl-2-propanol	59	4.239	4.239	0.000	98	650727	200.0	204.6	
28 Acrylonitrile	53	4.391	4.391	0.000	99	271348	25.0	22.8	
29 Methyl tert-butyl ether	73	4.470	4.470	0.000	95	1553024	10.0	11.0	
30 trans-1,2-Dichloroethene	96	4.476	4.476	0.000	99	574094	10.0	9.32	
31 Hexane	57	4.903	4.903	0.000	94	703976	10.0	8.66	
32 1,1-Dichloroethane	63	5.141	5.141	0.000	96	1088583	10.0	9.74	
35 Isopropyl ether	45	5.202	5.202	0.000	92	1782506	10.0	9.55	
36 2-Chloro-1,3-butadiene	53	5.251	5.251	0.000	92	895278	10.0	9.45	
37 Tert-butyl ethyl ether	59	5.738	5.738	0.000	97	1718845	10.0	13.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 2-Butanone (MEK)	43	5.933	5.933	0.000	99	1597120	100.0	88.4	
39 cis-1,2-Dichloroethene	96	5.976	5.976	0.000	83	670151	10.0	9.95	
40 2,2-Dichloropropane	77	5.994	5.994	0.000	91	1000960	10.0	9.85	
43 Propionitrile	54	6.031	6.031	0.000	99	872445	200.0	208.3	
45 Methacrylonitrile	67	6.232	6.232	0.000	92	1620364	100.0	84.2	
46 Chlorobromomethane	128	6.305	6.305	0.000	91	313758	10.0	10.0	
47 Tetrahydrofuran	71	6.324	6.324	0.000	78	237060	50.0	42.8	
48 Chloroform	83	6.458	6.458	0.000	94	1178052	10.0	10.3	
\$ 49 Dibromofluoromethane (Surr)	113	6.671	6.671	0.000	93	572207	10.0	10.2	
50 1,1,1-Trichloroethane	97	6.683	6.683	0.000	98	1072636	10.0	9.89	
51 Cyclohexane	56	6.787	6.787	0.000	91	918218	10.0	8.90	
54 Carbon tetrachloride	117	6.897	6.897	0.000	95	989769	10.0	9.86	
53 1,1-Dichloropropene	75	6.897	6.897	0.000	95	824284	10.0	9.77	
55 Isobutyl alcohol	41	7.061	7.061	0.000	92	573366	500.0	503.5	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.122	7.122	0.000	98	109956	10.0	10.3	
57 Benzene	78	7.159	7.159	0.000	97	2456094	10.0	9.96	
58 1,2-Dichloroethane	62	7.226	7.226	0.000	98	746439	10.0	9.87	
60 Tert-amyl methyl ether	73	7.354	7.354	0.000	98	1645988	10.0	16.5	
* 61 Fluorobenzene (IS)	96	7.561	7.561	0.000	99	2125716	10.0	10.0	
62 n-Heptane	43	7.579	7.579	0.000	86	754393	10.0	8.90	
63 n-Butanol	56	7.945	7.945	0.000	90	831687	875.0	1009.2	
64 Trichloroethene	95	8.043	8.043	0.000	97	699155	10.0	10.1	
65 Methylcyclohexane	83	8.354	8.354	0.000	89	1049979	10.0	9.17	
66 1,2-Dichloropropane	63	8.372	8.372	0.000	85	654214	10.0	10.5	
67 Methyl methacrylate	69	8.463	8.463	0.000	88	304849	10.0	7.82	
68 1,4-Dioxane	88	8.476	8.476	0.000	33	105193	500.0	410.5	
69 Dibromomethane	93	8.482	8.482	0.000	92	330862	10.0	10.4	
71 Dichlorobromomethane	83	8.719	8.719	0.000	99	847095	10.0	10.3	
72 2-Nitropropane	41	8.982	8.982	0.000	99	560094	50.0	40.2	
75 1-Bromo-2-chloroethane	63	9.110	9.110	0.000	99	658960	10.0	11.2	
76 cis-1,3-Dichloropropene	75	9.274	9.274	0.000	95	933053	10.0	9.81	
77 4-Methyl-2-pentanone (MIBK)	43	9.445	9.445	0.000	97	4349047	100.0	81.2	
\$ 78 Toluene-d8 (Surr)	98	9.585	9.585	0.000	94	2178450	10.0	10.1	
79 Toluene	92	9.664	9.664	0.000	98	1650658	10.0	9.93	
97 trans-1,3-Dichloropropene	75	9.927	9.927	0.000	94	806722	10.0	9.99	
99 Ethyl methacrylate	69	9.987	9.987	0.000	89	634010	10.0	10.1	
100 1,1,2-Trichloroethane	97	10.128	10.128	0.000	92	482495	10.0	10.6	
101 Tetrachloroethene	166	10.219	10.219	0.000	98	864412	10.0	9.64	
102 1,3-Dichloropropane	76	10.292	10.292	0.000	91	792857	10.0	10.6	
103 2-Hexanone	43	10.347	10.347	0.000	97	3089593	100.0	82.8	
105 Chlorodibromomethane	129	10.512	10.512	0.000	90	620022	10.0	9.90	
106 Ethylene Dibromide	107	10.622	10.622	0.000	98	464617	10.0	10.5	
* 107 Chlorobenzene-d5 (IS)	117	11.054	11.054	0.000	87	1675403	10.0	10.0	
108 1-Chlorohexane	91	11.067	11.067	0.000	98	926467	10.0	9.67	
109 Chlorobenzene	112	11.079	11.079	0.000	97	1962652	10.0	10.3	
111 1,1,1,2-Tetrachloroethane	131	11.164	11.164	0.000	95	727595	10.0	10.4	
112 Ethylbenzene	91	11.170	11.170	0.000	98	3361695	10.0	10.4	
113 m-Xylene & p-Xylene	106	11.286	11.286	0.000	93	2647589	20.0	20.5	
114 o-Xylene	106	11.615	11.615	0.000	96	1291257	10.0	10.2	
115 Styrene	104	11.627	11.627	0.000	95	2090221	10.0	10.7	
116 Bromoform	173	11.786	11.786	0.000	97	381752	10.0	9.36	
117 Isopropylbenzene	105	11.914	11.914	0.000	96	3429882	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
\$ 120 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	95	799355	10.0	10.2	
121 1,1,2,2-Tetrachloroethane	83	12.158	12.158	0.000	94	637760	10.0	11.0	
122 Bromobenzene	156	12.176	12.176	0.000	95	874792	10.0	10.1	
123 trans-1,4-Dichloro-2-butene	53	12.182	12.182	0.000	93	1173390	100.0	55.8	
124 1,2,3-Trichloropropane	110	12.207	12.207	0.000	84	178051	10.0	10.9	
125 N-Propylbenzene	91	12.243	12.243	0.000	99	4105435	10.0	10.8	
126 2-Chlorotoluene	126	12.322	12.322	0.000	97	838109	10.0	10.3	
127 1,3,5-Trimethylbenzene	105	12.383	12.383	0.000	94	2981789	10.0	10.5	
128 4-Chlorotoluene	126	12.414	12.414	0.000	97	859127	10.0	10.5	
129 tert-Butylbenzene	134	12.621	12.621	0.000	93	713840	10.0	10.2	
130 Pentachloroethane	167	12.658	12.658	0.000	93	554659	10.0	10.2	
131 1,2,4-Trimethylbenzene	105	12.664	12.664	0.000	97	3051401	10.0	10.5	
132 sec-Butylbenzene	105	12.786	12.786	0.000	94	3853540	10.0	10.7	
133 1,3-Dichlorobenzene	146	12.883	12.883	0.000	99	1739327	10.0	10.7	
134 4-Isopropyltoluene	119	12.895	12.895	0.000	97	3431135	10.0	10.6	
* 135 1,4-Dichlorobenzene-d4	152	12.938	12.938	0.000	95	1048250	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.956	12.956	0.000	94	1670743	10.0	10.5	
137 1,2,3-Trimethylbenzene	120	12.969	12.969	0.000	98	1361176	10.0	10.1	
138 Benzyl chloride	126	13.036	13.036	0.000	99	271689	10.0	11.9	
139 n-Butylbenzene	92	13.188	13.188	0.000	97	1648221	10.0	11.6	
140 1,2-Dichlorobenzene	146	13.219	13.219	0.000	99	1640949	10.0	10.7	
142 1,2-Dibromo-3-Chloropropane	155	13.761	13.761	0.000	86	98160	10.0	10.4	
143 1,3,5-Trichlorobenzene	180	13.889	13.889	0.000	98	1315676	10.0	10.7	
144 1,2,4-Trichlorobenzene	180	14.310	14.310	0.000	94	1050279	10.0	10.6	
145 Hexachlorobutadiene	225	14.389	14.389	0.000	97	555864	10.0	9.81	
146 Naphthalene	128	14.487	14.487	0.000	97	1858390	10.0	10.1	
147 1,2,3-Trichlorobenzene	180	14.633	14.633	0.000	95	878168	10.0	9.80	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#2_826_00082

Amount Added: 20.00

Units: uL

MSV_LL_GAS826_00148

Amount Added: 20.00

Units: uL

MSV_LL_#1_826_00072

Amount Added: 20.00

Units: uL

MSV_LLcentISS_00007

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\IY04X32.D

Injection Date: 04-May-2023 21:17:30

Instrument ID: 19930

Operator ID: MEC29284

Lims ID: CCVIS VSTD10

Worklist Smp#: 3

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

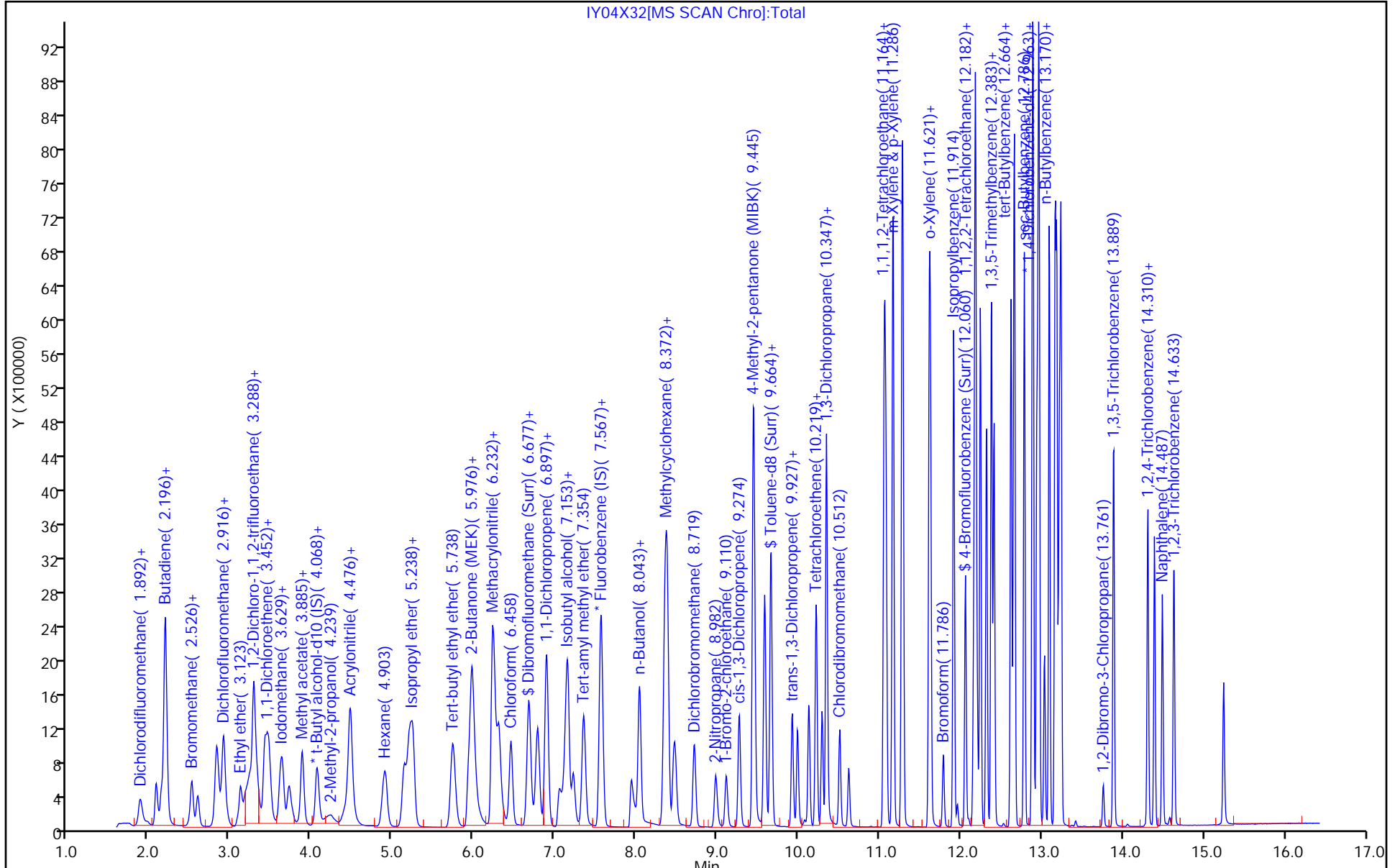
ALS Bottle#: 2

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Euofins Lancaster Laboratories Environment Testing, LLC

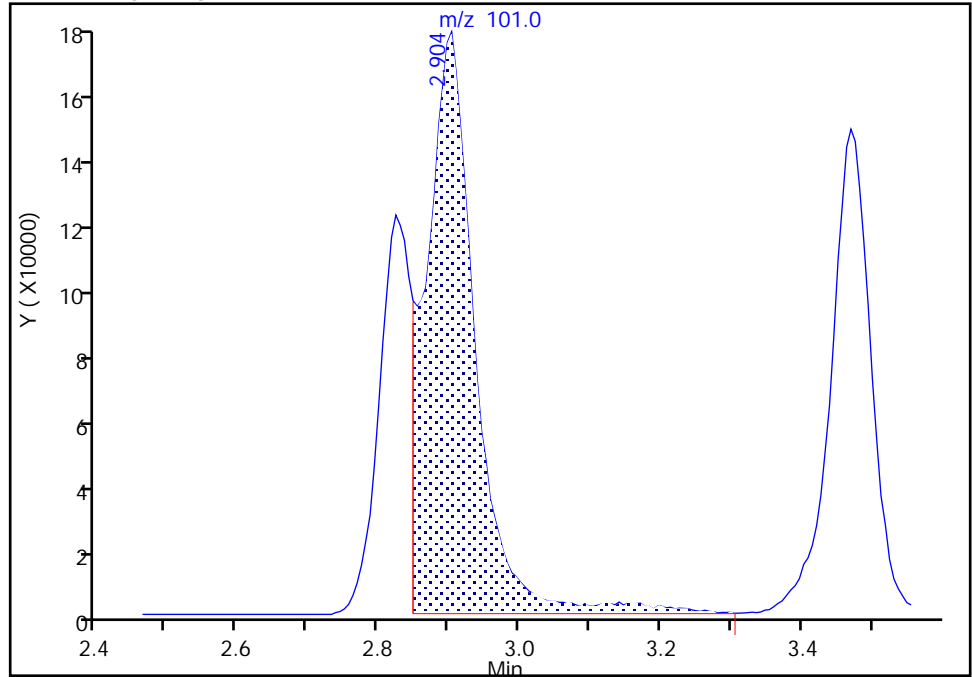
Data File: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\IY04X32.D
Injection Date: 04-May-2023 21:17:30 Instrument ID: 19930
Lims ID: CCVIS VSTD10
Client ID:
Operator ID: MEC29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

10 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

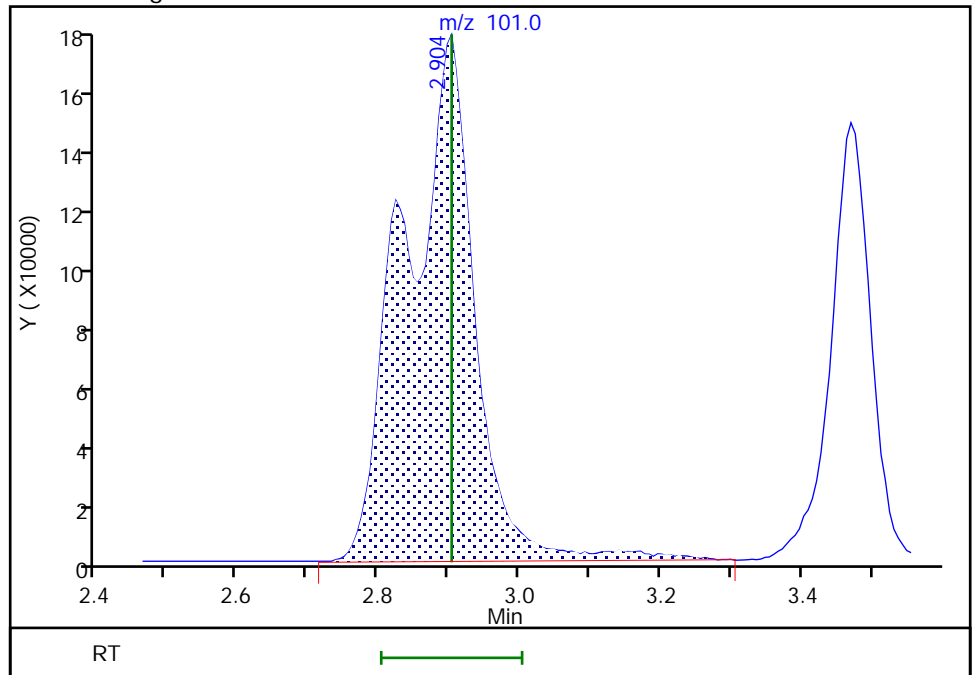
RT: 2.90
Area: 859314
Amount: 6.352759
Amount Units: ug/l

Processing Integration Results



RT: 2.90
Area: 1200668
Amount: 8.876330
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 04-May-2023 21:53:09 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
 Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01T01.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 01-May-2023 14:22:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: 410-0082854-001
 Misc. Info.: BFB
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 02-May-2023 14:48:38 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1641

First Level Reviewer: DVW2 Date: 02-May-2023 13:42:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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\$ 168 BFB	95	4.886	4.886	0.000	90	128279	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

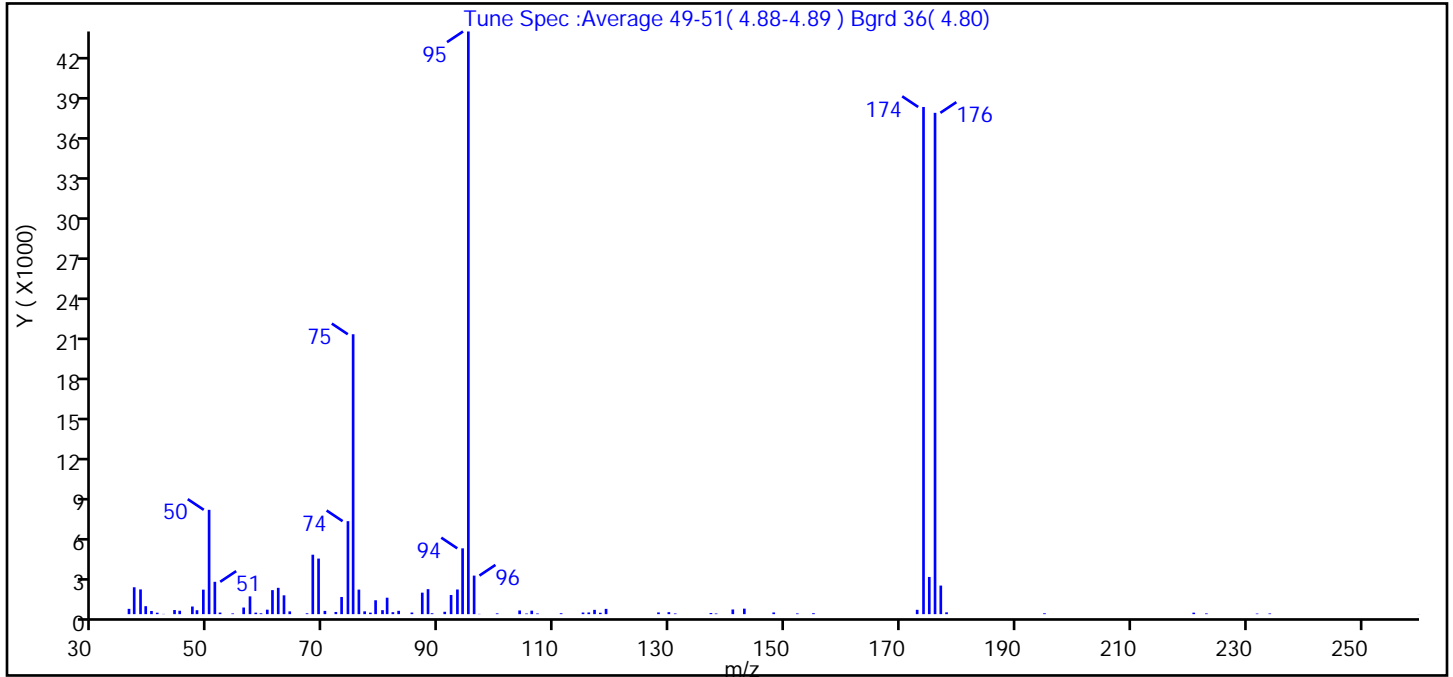
Reagents:

MSV_V_BFB_00011 Amount Added: 1.00 Units: uL

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01T01.D
 Injection Date: 01-May-2023 14:22:30 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	17.9
75	30 to 60% of m/z 95	48.0
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.7 (0.9)
174	50 to 120% of m/z 95	87.0
175	5 to 9% of m/z 174	6.4 (7.3)
176	Greater than 95% but less than 101% of m/z 174	86.0 (98.8)
177	5 to 9% of m/z 176	4.9 (5.7)

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01T01.D\MSV_10193_25mL.rslt\spectra.d
Injection Date: 01-May-2023 14:22:30
Spectrum: Tune Spec :Average 49-51(4.88-4.89) Bgrd 36(4.80)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 85

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	391	62.00	1943	89.00	66	137.00	85
37.00	1985	63.00	1390	91.00	175	138.00	50
38.00	1827	64.00	204	92.00	1414	141.00	346
39.00	588	67.00	63	93.00	1821	143.00	406
40.00	234	68.00	4389	94.00	4860	148.00	124
41.00	107	69.00	4103	95.00	43032	152.00	54
42.00	18	70.00	241	96.00	2847	155.00	69
44.00	303	72.00	162	97.00	19	173.00	320
45.00	251	73.00	1264	100.00	58	174.00	37456
47.00	564	74.00	6867	104.00	271	175.00	2746
48.00	290	75.00	20672	105.00	48	176.00	37024
49.00	1810	76.00	1812	106.00	257	177.00	2110
50.00	7704	77.00	207	107.00	51	178.00	134
51.00	2389	78.00	111	111.00	67	195.00	63
52.00	116	79.00	1025	115.00	120	221.00	109
54.00	53	80.00	294	116.00	125	223.00	55
56.00	489	81.00	1215	117.00	318	232.00	44
57.00	1313	82.00	145	118.00	103	234.00	51
58.00	111	83.00	246	119.00	389	260.00	7
59.00	64	85.00	119	128.00	126		
60.00	329	87.00	1587	130.00	146		
61.00	1773	88.00	1845	131.00	50		

Data File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01T01.D

Injection Date: 01-May-2023 14:22:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 uL

Dil. Factor: 1.0000

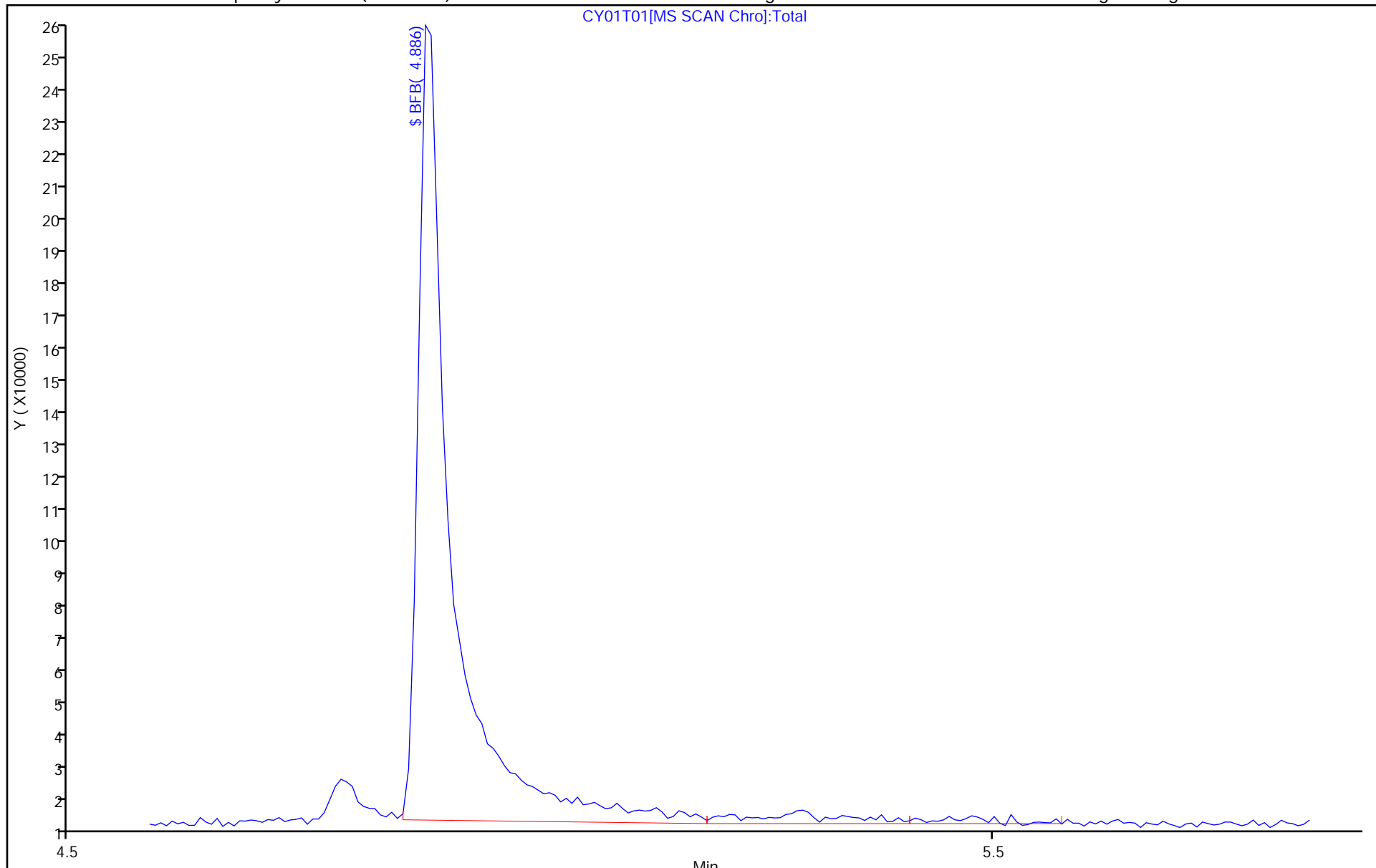
ALS Bottle#: 1

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\10193\20230503-83144.b\CY03T01.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 03-May-2023 20:33:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info:
 Misc. Info.: BFB
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:17:46 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: JS6E Date: 03-May-2023 20:42:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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\$ 168 BFB	95	4.898	4.898	0.000	93	82030	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

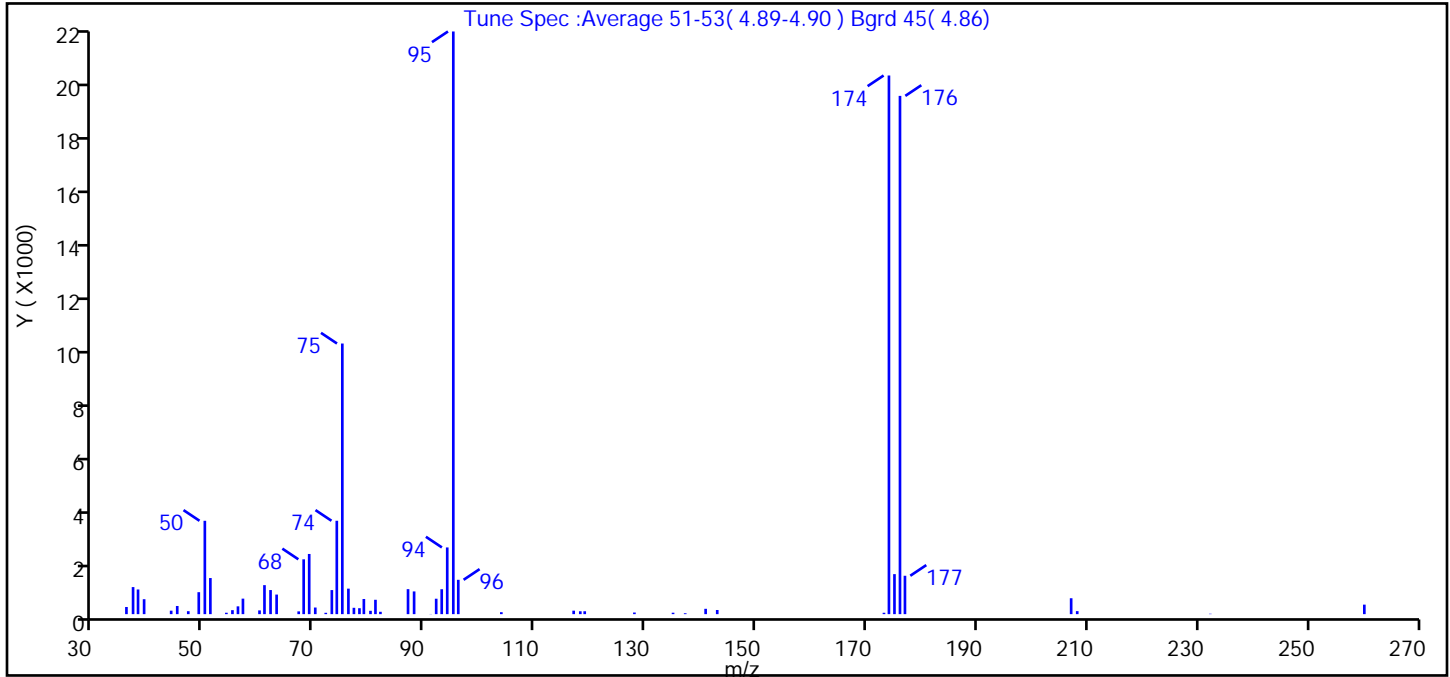
Reagents:

MSV_V_BFB_00011 Amount Added: 1.00 Units: uL

Euofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03T01.D
 Injection Date: 03-May-2023 20:33:30 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	16.0
75	30 to 60% of m/z 95	46.4
96	5 to 9% of m/z 95	5.9
173	Less than 2% of m/z 174	0.2 (0.3)
174	50 to 120% of m/z 95	92.4
175	5 to 9% of m/z 174	6.9 (7.4)
176	Greater than 95% but less than 101% of m/z 174	88.9 (96.2)
177	5 to 9% of m/z 176	6.6 (7.4)

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03T01.D\MSV_10193_25mL.rslt\spectra.d
 Injection Date: 03-May-2023 20:33:30
 Spectrum: Tune Spec :Average 51-53(4.89-4.90) Bgrd 45(4.86)
 Base Peak: 95.10
 Minimum % Base Peak: 0
 Number of Points: 59

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	264	61.00	1070	80.00	123	128.00	60
37.00	998	62.00	889	81.00	530	135.00	53
38.00	910	63.00	722	82.00	87	137.00	33
39.00	551	67.00	102	87.00	922	141.00	197
44.00	128	68.00	2023	88.00	838	143.00	153
45.00	301	69.00	2220	91.00	6	173.00	51
47.00	109	70.00	244	92.00	569	174.00	19872
49.00	810	72.00	50	93.00	919	175.00	1476
50.00	3444	73.00	888	94.00	2461	176.00	19120
51.00	1332	74.00	3445	95.00	21496	177.00	1416
54.00	52	75.00	9984	96.00	1267	207.00	587
55.00	147	76.00	941	104.00	72	208.00	111
56.00	288	77.00	234	117.00	128	232.00	14
57.00	572	78.00	219	118.00	106	260.00	351
60.00	138	79.00	559	119.00	107		

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03T01.D

Injection Date: 03-May-2023 20:33:30

Instrument ID: 10193

Operator ID: gaw91131

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 uL

Dil. Factor: 1.0000

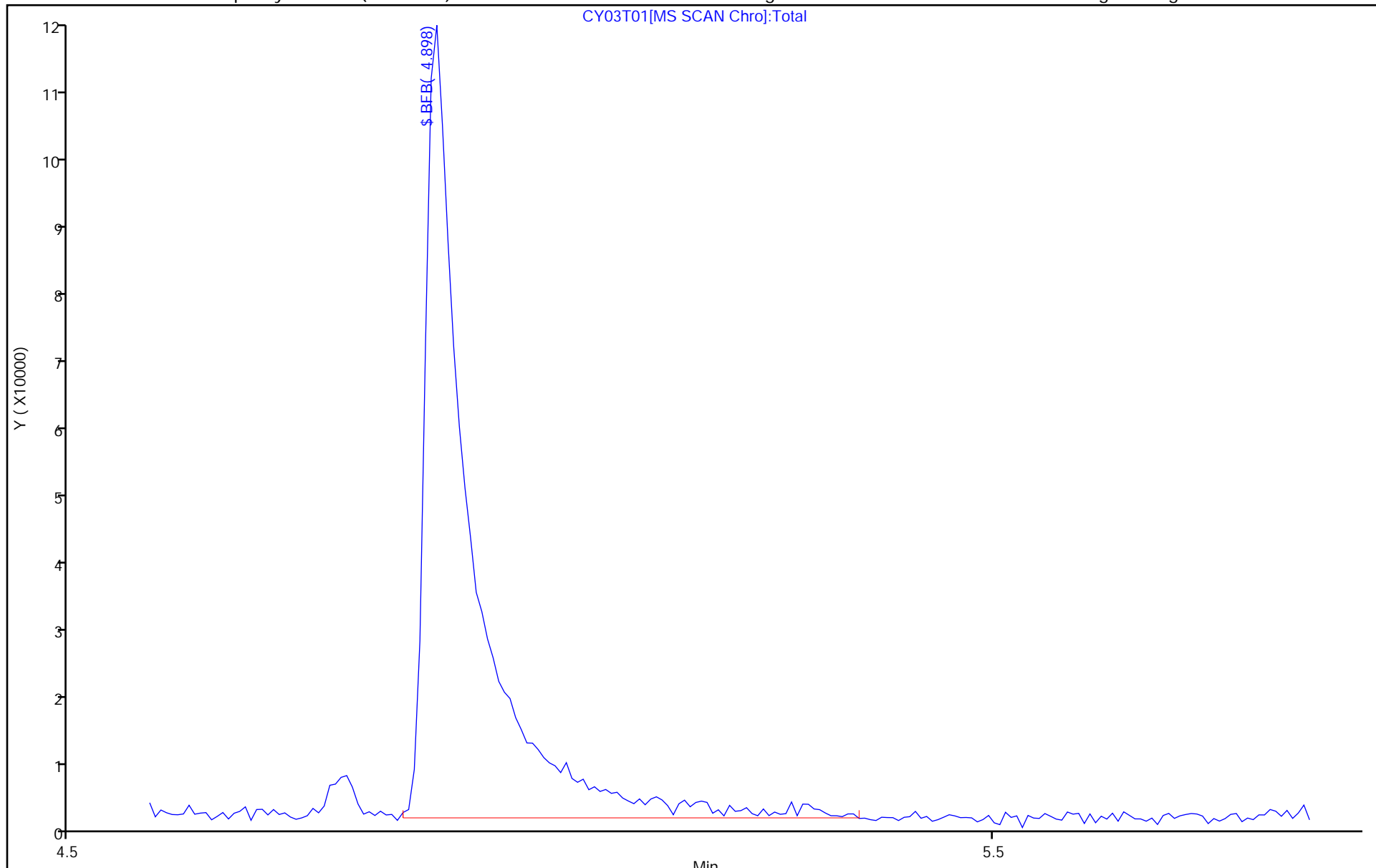
ALS Bottle#: 1

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\20230504-83176.b\CY04T01.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 04-May-2023 08:36:30 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: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 16:01:18 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: DVW2 Date: 04-May-2023 12:14:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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\$ 168 BFB	95	4.898	4.898	0.000	90	121986	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MSV_V_BFB_00011

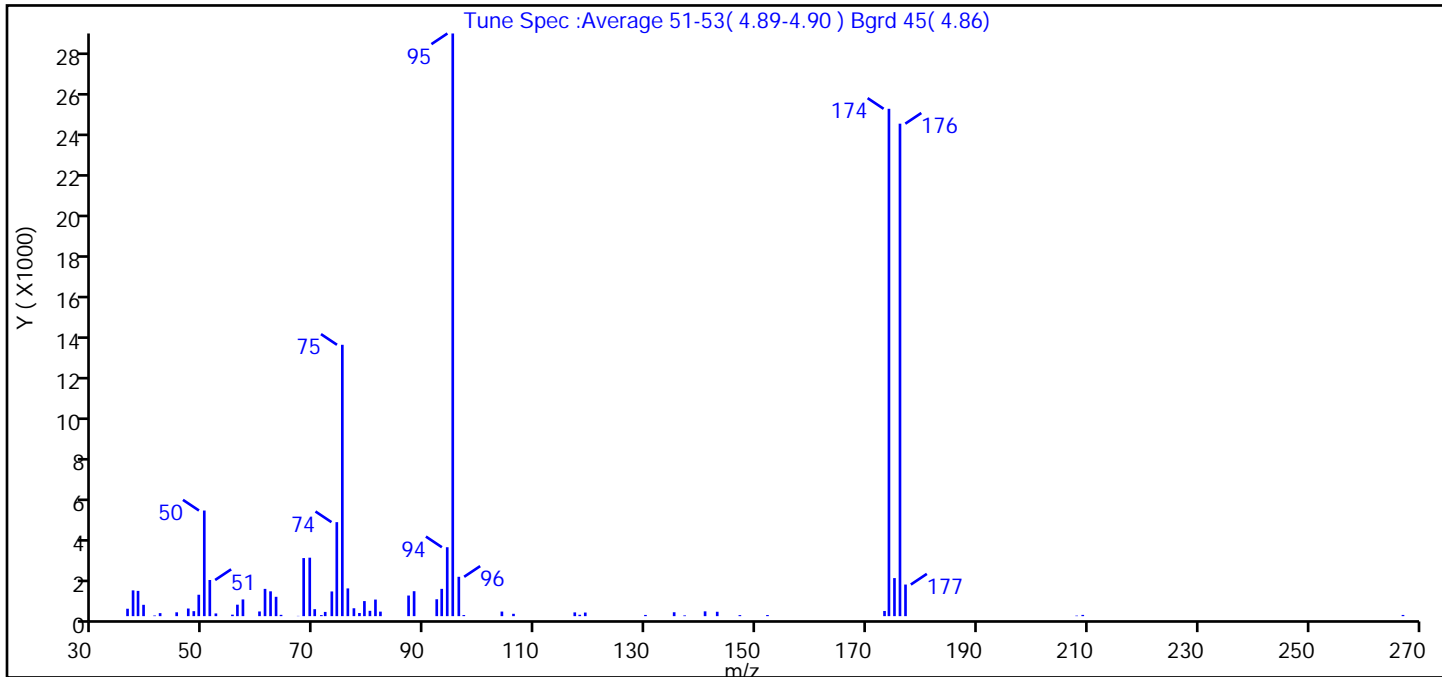
Amount Added: 1.00

Units: uL

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04T01.D
 Injection Date: 04-May-2023 08:36:30 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	18.1
75	30 to 60% of m/z 95	46.6
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.9 (1.0)
174	50 to 120% of m/z 95	87.1
175	5 to 9% of m/z 174	6.5 (7.5)
176	Greater than 95% but less than 101% of m/z 174	84.5 (97.1)
177	5 to 9% of m/z 176	5.4 (6.4)

Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04T01.D\MSV_10193_25mL.rslt\spectra.d
 Injection Date: 04-May-2023 08:36:30
 Spectrum: Tune Spec :Average 51-53(4.89-4.90) Bgrd 45(4.86)
 Base Peak: 95.00
 Minimum % Base Peak: 0
 Number of Points: 66

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	363	60.00	229	79.00	737	130.00	59
37.00	1262	61.00	1335	80.00	261	135.00	191
38.00	1237	62.00	1215	81.00	812	137.00	36
39.00	555	63.00	947	82.00	221	141.00	235
40.00	1	64.00	64	87.00	1009	143.00	215
41.00	31	67.00	12	88.00	1221	147.00	51
42.00	148	68.00	2843	92.00	827	152.00	54
45.00	188	69.00	2862	93.00	1336	173.00	253
47.00	373	70.00	341	94.00	3374	174.00	24840
48.00	244	71.00	50	95.00	28528	175.00	1864
49.00	1048	72.00	207	96.00	1927	176.00	24112
50.00	5171	73.00	1209	97.00	53	177.00	1547
51.00	1770	74.00	4602	104.00	224	208.00	25
52.00	132	75.00	13286	106.00	115	209.00	61
55.00	72	76.00	1358	117.00	184	267.00	59
56.00	561	77.00	386	118.00	67		
57.00	819	78.00	153	119.00	176		

Report Date: 04-May-2023 16:01:20

Chrom Revision: 2.3 28-Apr-2023 12:18:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04T01.D

Injection Date: 04-May-2023 08:36:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 uL

Dil. Factor: 1.0000

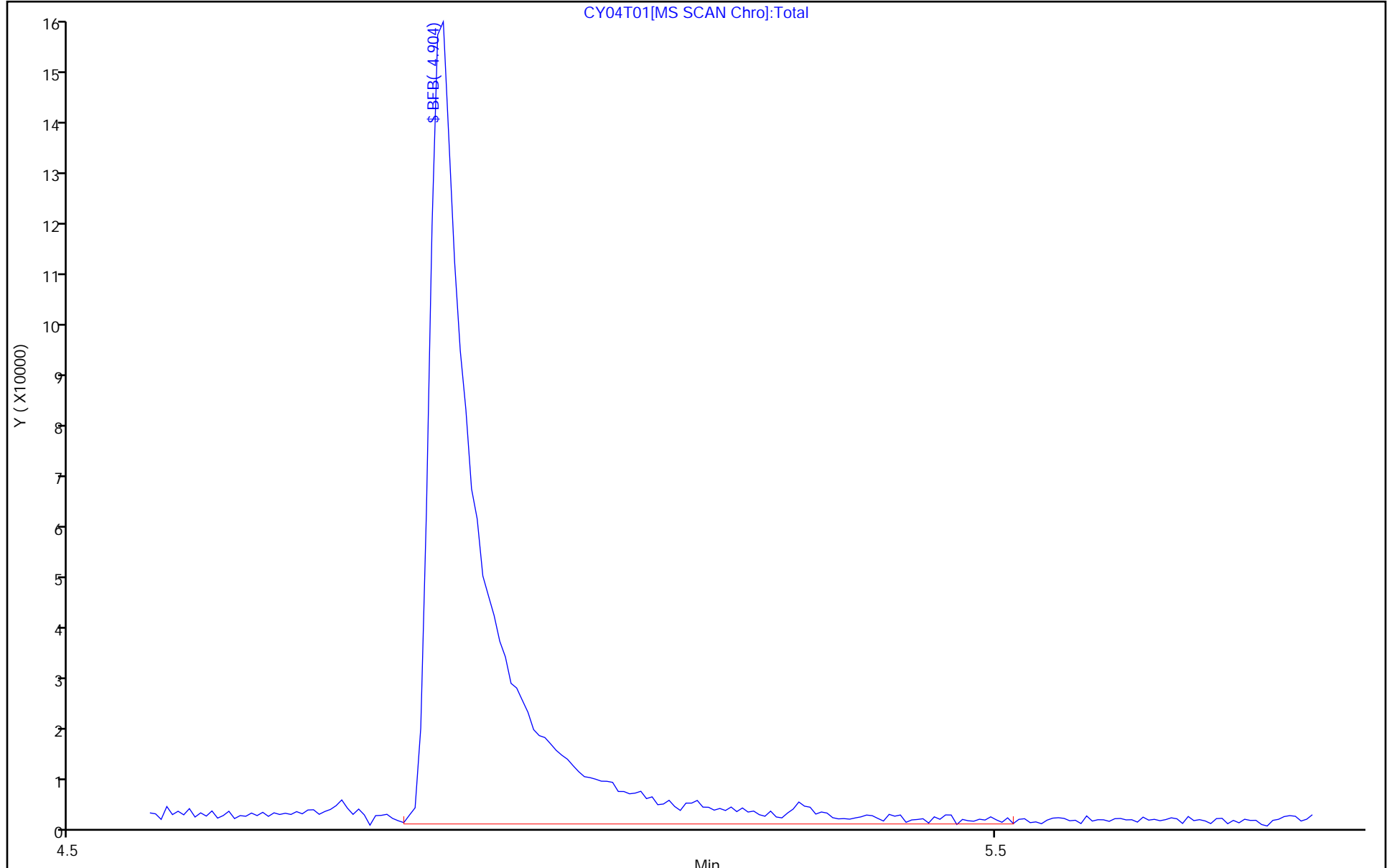
ALS Bottle#: 1

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\20230419-81852.b\HA19T31.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 19-Apr-2023 17:40:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info:
 Misc. Info.: BFB
 Operator ID: mec29284 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 23-Apr-2023 20:41:59 Calib Date: 19-Apr-2023 23:41:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1665

First Level Reviewer: K4WN Date: 19-Apr-2023 17:59:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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\$ 166 BFB	95	5.123	5.123	0.000	91	659865	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

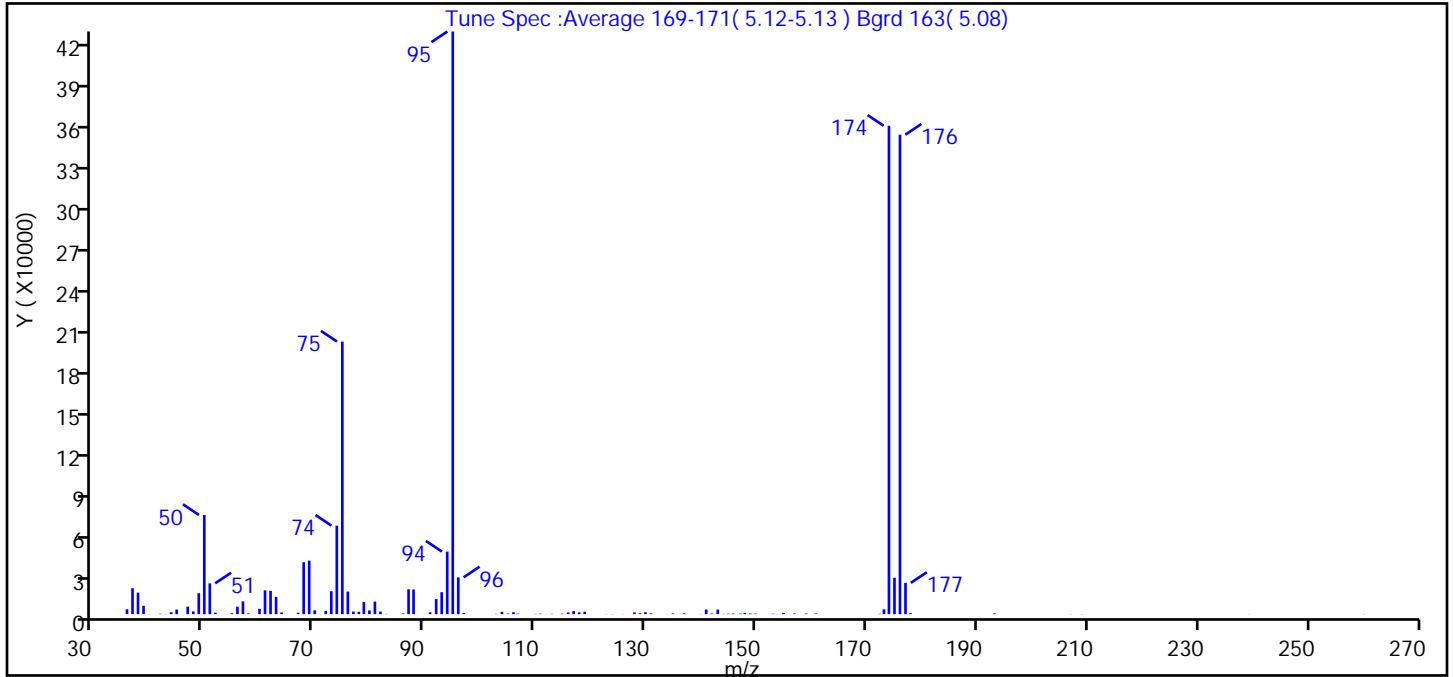
Reagents:

MSV_V_BFB_00011 Amount Added: 1.00 Units: uL

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19T31.D
 Injection Date: 19-Apr-2023 17:40:30 Instrument ID: 19094
 Lims ID: bfb
 Client ID:
 Operator ID: mec29284 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
 Tune Method: BFB Method 8260

\$ 166 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.0
75	30 to 60% of m/z 95	46.8
96	5 to 9% of m/z 95	6.3
173	Less than 2% of m/z 174	0.8 (1.0)
174	50 to 120% of m/z 95	83.8
175	5 to 9% of m/z 174	6.2 (7.4)
176	Greater than 95% but less than 101% of m/z 174	82.3 (98.2)
177	5 to 9% of m/z 176	5.4 (6.5)

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19T31.D\MSV_19094_25mL.rslt\spectra.d
Injection Date: 19-Apr-2023 17:40:30
Spectrum: Tune Spec :Average 169-171(5.12-5.13) Bgrd 163(5.08)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 105

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3603	69.00	39400	105.00	425	145.00	347
37.00	19120	70.00	2821	106.00	1426	146.00	485
38.00	15817	71.00	76	107.00	350	147.00	383
39.00	6137	72.00	2310	110.00	232	148.00	929
40.00	128	73.00	16912	111.00	361	149.00	473
42.00	308	74.00	65192	112.00	86	150.00	389
43.00	111	75.00	200768	113.00	214	153.00	323
44.00	1459	76.00	16632	115.00	421	154.00	117
45.00	3367	77.00	1898	116.00	1281	155.00	930
47.00	5541	78.00	1756	117.00	2259	157.00	533
48.00	2052	79.00	8918	118.00	1303	159.00	484
49.00	15420	80.00	2721	119.00	1824	161.00	493
50.00	73056	81.00	9260	123.00	86	172.00	254
51.00	22696	82.00	1901	124.00	105	173.00	3543
52.00	1067	83.00	190	126.00	95	174.00	359744
54.00	89	86.00	553	128.00	1265	175.00	26784
55.00	691	87.00	18336	129.00	652	176.00	353152
56.00	5488	88.00	18200	130.00	1404	177.00	23032
57.00	9415	91.00	1323	131.00	618	178.00	737
58.00	522	92.00	11122	134.00	92	193.00	598
60.00	3896	93.00	16180	135.00	563	207.00	103
61.00	17528	94.00	46072	137.00	626	209.00	107
62.00	17160	95.00	429184	140.00	84	239.00	90
63.00	12617	96.00	27104	141.00	3420	260.00	84
64.00	1242	97.00	871	142.00	487		
67.00	986	103.00	194	143.00	3370		
68.00	38256	104.00	1648	144.00	211		

Report Date: 23-Apr-2023 20:41:59

Chrom Revision: 2.3 20-Apr-2023 08:27:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19T31.D

Injection Date: 19-Apr-2023 17:40:30

Instrument ID: 19094

Operator ID: mec29284

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 uL

Dil. Factor: 1.0000

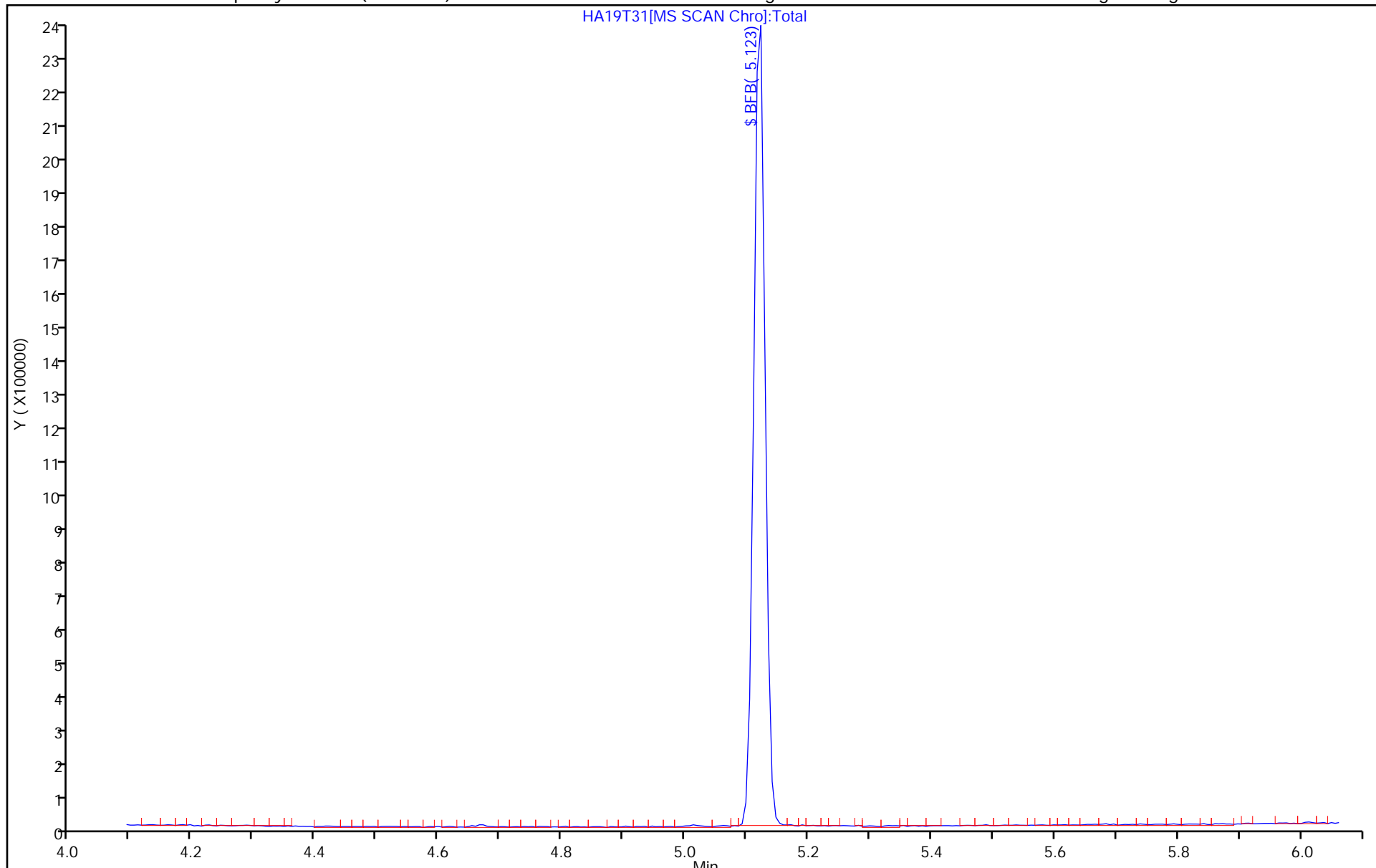
ALS Bottle#: 1

Method: MSV_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\20230509-83587.b\HY09T01.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 09-May-2023 17:50:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: 410-0083587-001
 Misc. Info.: BFB
 Operator ID: gaw91131 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20230509-83587.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-May-2023 20:17:26 Calib Date: 19-Apr-2023 23:41:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1645

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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\$ 166 BFB	95	5.117	5.117	0.000	90	327793	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

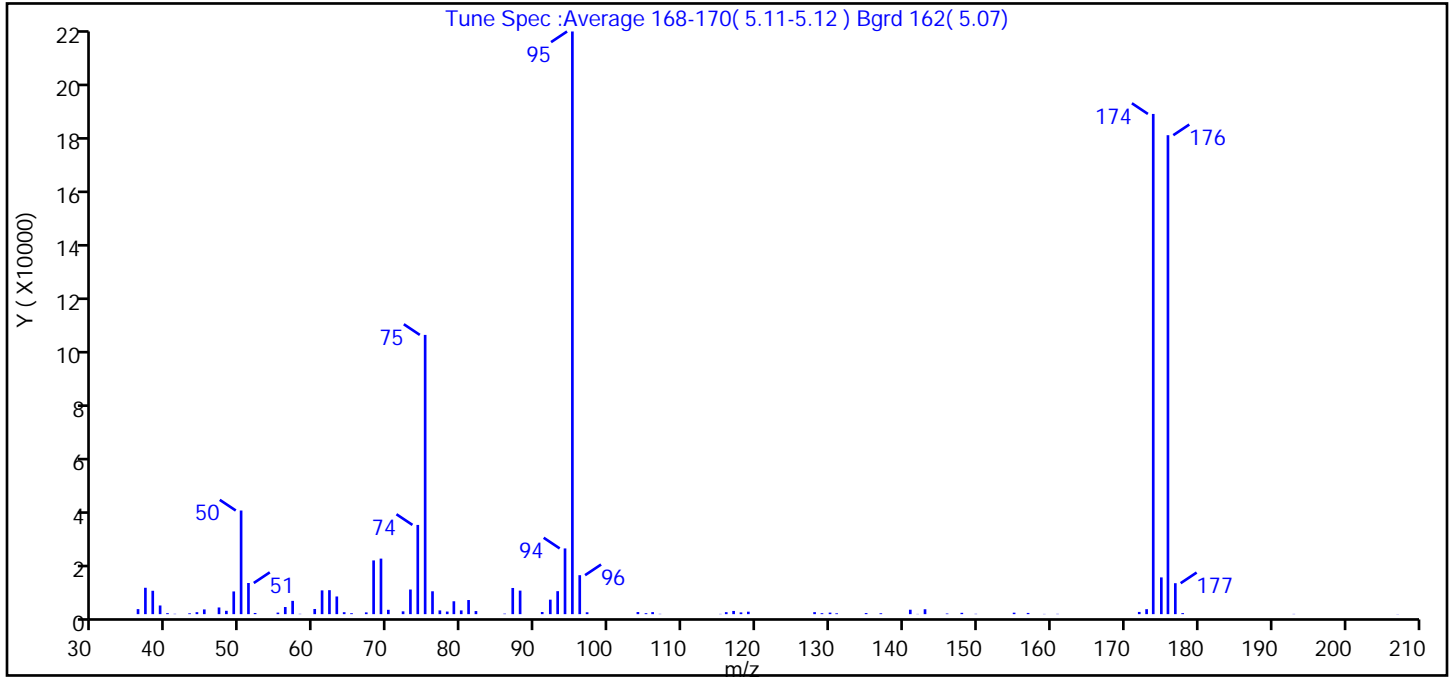
Reagents:

MSV_V_BFB_00011 Amount Added: 1.00 Units: uL

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20230509-83587.b\HY09T01.D
 Injection Date: 09-May-2023 17:50:30 Instrument ID: 19094
 Lims ID: BFB
 Client ID:
 Operator ID: gaw91131 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
 Tune Method: BFB Method 8260

\$ 166 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.8
75	30 to 60% of m/z 95	47.9
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.9 (1.0)
174	50 to 120% of m/z 95	85.8
175	5 to 9% of m/z 174	6.3 (7.3)
176	Greater than 95% but less than 101% of m/z 174	82.2 (95.8)
177	5 to 9% of m/z 176	5.3 (6.5)

Data File: \\chromfs\Lancaster\ChromData\19094\20230509-83587.b\HY09T01.D\MSV_19094_25mL.rslt\spectra.d
 Injection Date: 09-May-2023 17:50:30
 Spectrum: Tune Spec :Average 168-170(5.11-5.12) Bgrd 162(5.07)
 Base Peak: 95.00
 Minimum % Base Peak: 0
 Number of Points: 84

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1891	62.00	9022	88.00	8855	135.00	407
37.00	9928	63.00	6649	91.00	802	137.00	330
38.00	8797	64.00	730	92.00	5451	141.00	1665
39.00	3259	65.00	350	93.00	8650	142.00	84
40.00	373	67.00	662	94.00	24736	143.00	1841
41.00	122	68.00	20224	95.00	219328	146.00	234
43.00	317	69.00	20904	96.00	14667	148.00	500
44.00	743	70.00	1634	97.00	702	150.00	120
45.00	1777	72.00	1053	104.00	795	155.00	549
47.00	2512	73.00	9272	105.00	362	157.00	454
48.00	1260	74.00	33584	106.00	767	159.00	84
49.00	8547	75.00	105112	107.00	111	161.00	112
50.00	39008	76.00	8605	115.00	89	172.00	830
51.00	11724	77.00	1411	116.00	750	173.00	1869
52.00	438	78.00	975	117.00	1205	174.00	188288
55.00	578	79.00	4847	118.00	661	175.00	13826
56.00	2679	80.00	1406	119.00	920	176.00	180288
57.00	4996	81.00	5314	128.00	753	177.00	11646
58.00	118	82.00	1162	129.00	359	178.00	385
60.00	1943	86.00	185	130.00	580	193.00	90
61.00	8943	87.00	9850	131.00	317	207.00	53

Report Date: 09-May-2023 20:17:26

Chrom Revision: 2.3 28-Apr-2023 12:18:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20230509-83587.b\HY09T01.D

Injection Date: 09-May-2023 17:50:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 uL

Dil. Factor: 1.0000

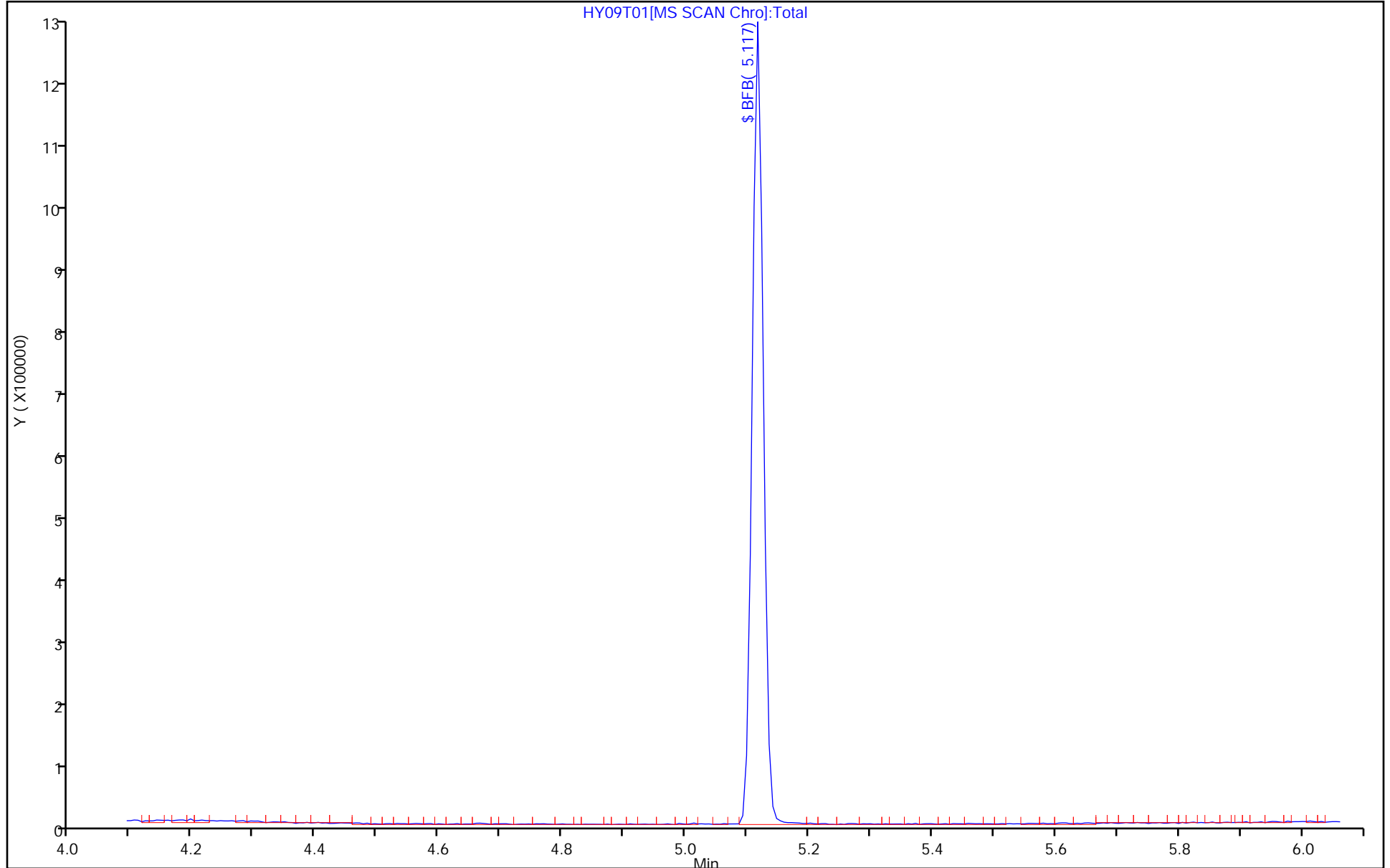
ALS Bottle#: 1

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\19930\20230321-79468.b\IM21T01.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 21-Mar-2023 00:26:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: 410-0079468-001
 Misc. Info.: BFB
 Operator ID: mec29284 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 21-Mar-2023 17:39:19 Calib Date: 21-Mar-2023 06:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1651

First Level Reviewer: K4WN Date: 21-Mar-2023 00:36:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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\$ 167 BFB	95	5.087	5.087	0.000	0	397829	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

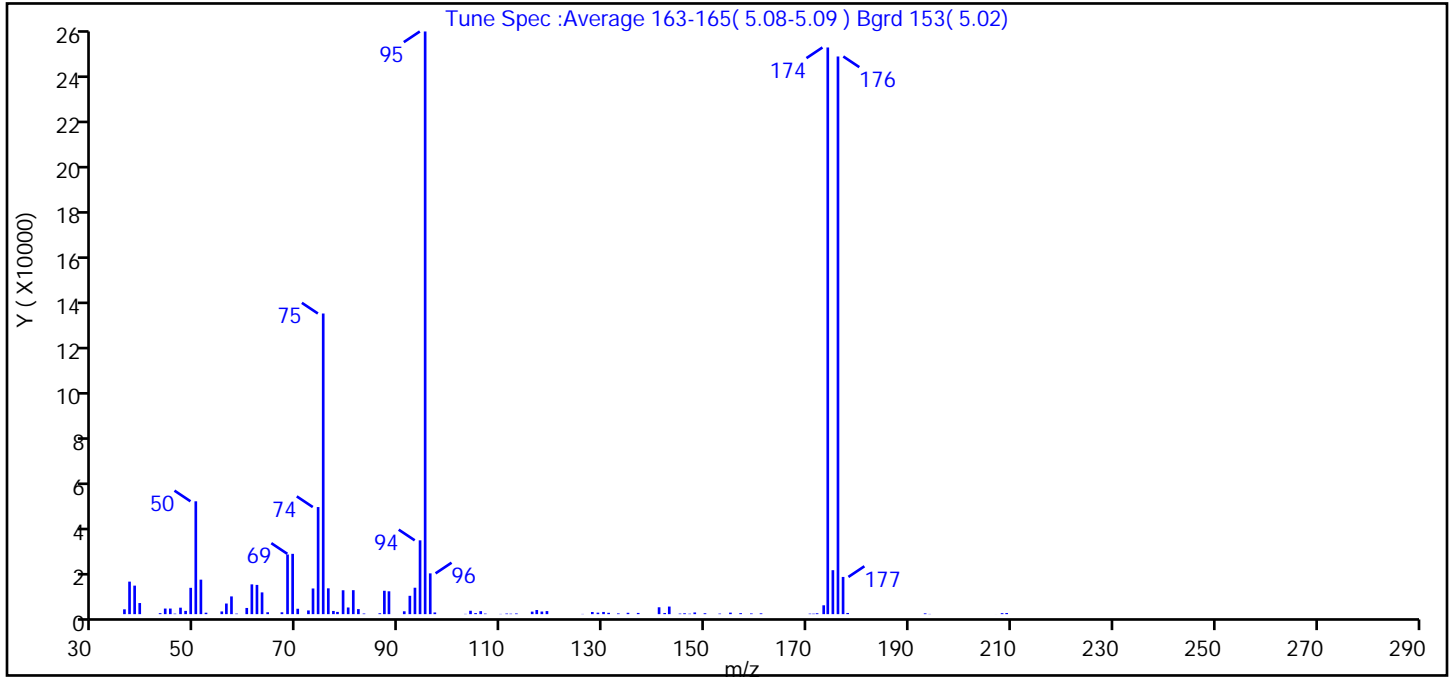
Reagents:

MSV_V_BFB_00011 Amount Added: 1.00 Units: uL

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21T01.D
 Injection Date: 21-Mar-2023 00:26:30 Instrument ID: 19930
 Lims ID: bfb
 Client ID:
 Operator ID: mec29284 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
 Tune Method: BFB Method 8260

\$ 167 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.4
75	30 to 60% of m/z 95	51.6
96	5 to 9% of m/z 95	7.0
173	Less than 2% of m/z 174	1.5 (1.6)
174	50 to 120% of m/z 95	97.3
175	5 to 9% of m/z 174	7.5 (7.8)
176	Greater than 95% but less than 101% of m/z 174	95.7 (98.4)
177	5 to 9% of m/z 176	6.4 (6.7)

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21T01.D\8260 25ml HP31.rsl\spectra.d
Injection Date: 21-Mar-2023 00:26:30
Spectrum: Tune Spec :Average 163-165(5.08-5.09) Bgrd 153(5.02)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 98

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2126	69.00	26552	104.00	1490	147.00	193
37.00	14317	70.00	2377	105.00	481	148.00	737
38.00	12552	72.00	1630	106.00	1326	150.00	399
39.00	4887	73.00	11299	107.00	251	153.00	246
43.00	432	74.00	47144	110.00	99	155.00	664
44.00	2460	75.00	132352	111.00	262	157.00	436
45.00	2456	76.00	11365	112.00	202	159.00	309
46.00	225	77.00	1406	113.00	303	161.00	352
47.00	2846	78.00	992	116.00	1111	170.00	220
48.00	1439	79.00	10516	117.00	1817	171.00	205
49.00	11589	80.00	2932	118.00	1145	172.00	391
50.00	49680	81.00	10550	119.00	1353	173.00	3894
51.00	15186	82.00	2225	126.00	95	174.00	249472
52.00	636	83.00	271	128.00	949	175.00	19352
55.00	1187	86.00	389	129.00	657	176.00	245504
56.00	4678	87.00	10294	130.00	967	177.00	16378
57.00	7811	88.00	10059	131.00	589	178.00	517
58.00	229	91.00	1254	133.00	333	193.00	346
60.00	2725	92.00	8071	135.00	595	194.00	91
61.00	13107	93.00	11627	137.00	533	207.00	13
62.00	12876	94.00	32496	141.00	3025	208.00	432
63.00	9578	95.00	256512	142.00	499	209.00	487
64.00	831	96.00	17952	143.00	3340	281.00	2
67.00	818	97.00	740	145.00	248		
68.00	26256	103.00	115	146.00	381		

Data File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21T01.D

Injection Date: 21-Mar-2023 00:26:30

Instrument ID: 19930

Operator ID: mec29284

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 uL

Dil. Factor: 1.0000

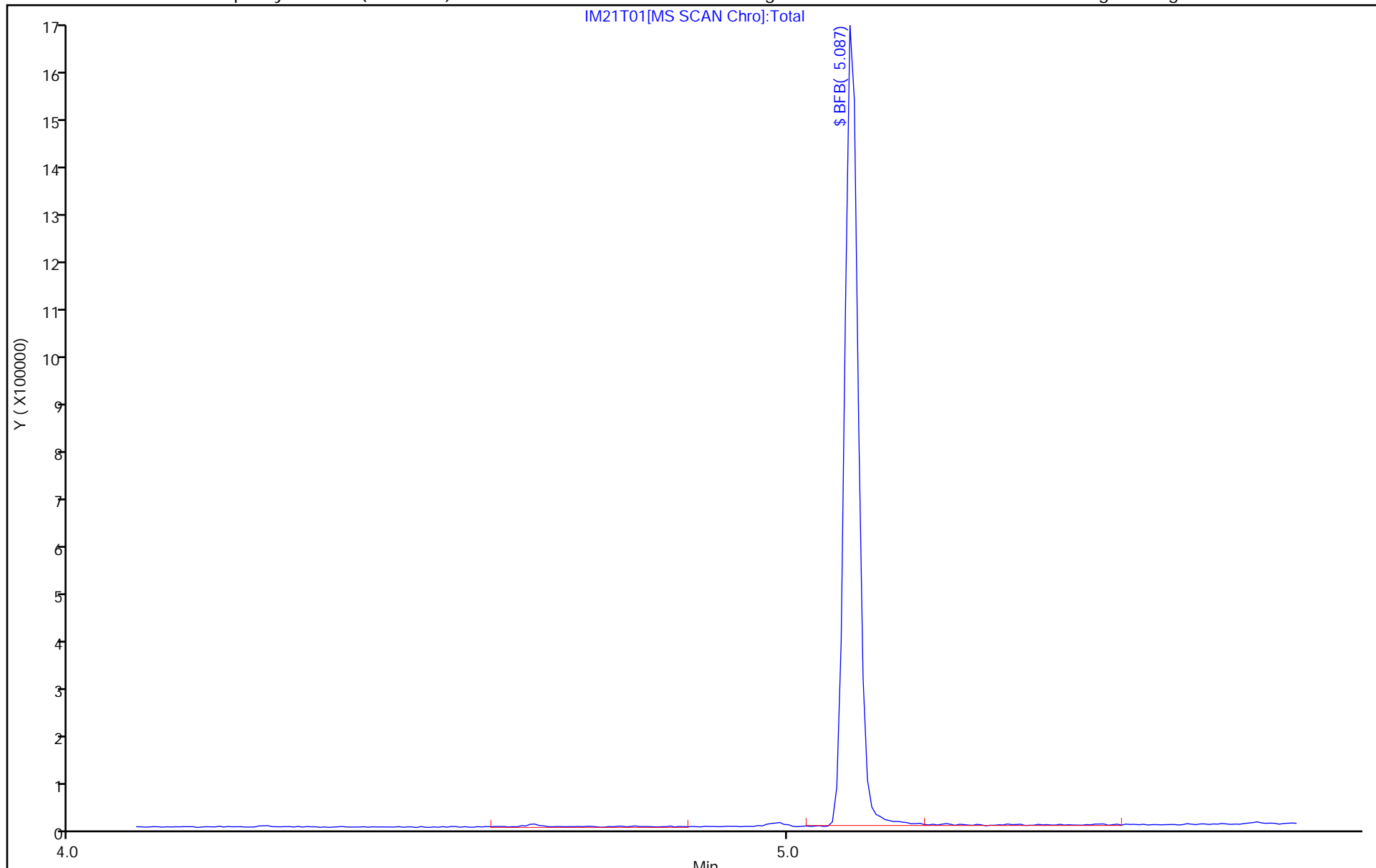
ALS Bottle#: 1

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
 Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\IY04T31.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 04-May-2023 20:43:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info:
 Misc. Info.: BFB
 Operator ID: MEC29284 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 21:55:43 Calib Date: 21-Mar-2023 06:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1659

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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\$ 167 BFB	95	5.087	5.087	0.000	95	295657	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MSV_V_BFB_00011

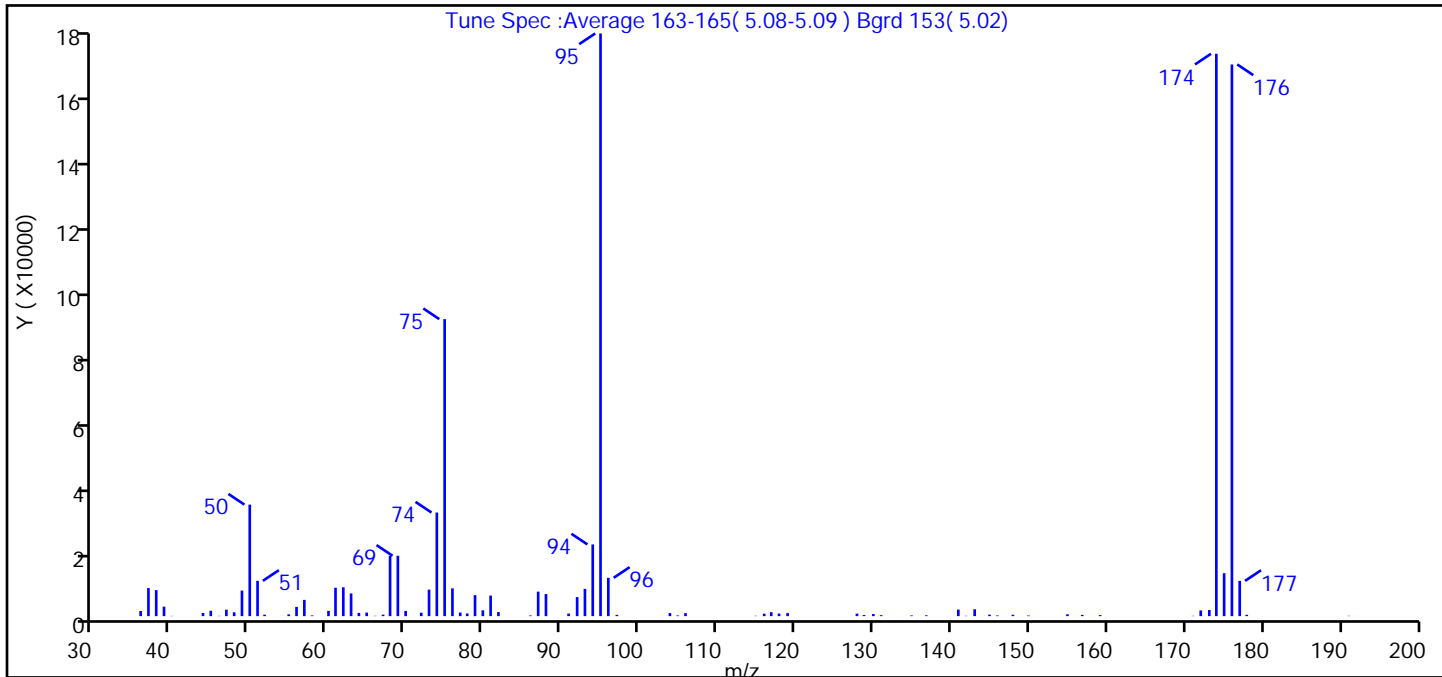
Amount Added: 1.00

Units: uL

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\Y04T31.D
 Injection Date: 04-May-2023 20:43:30 Instrument ID: 19930
 Lims ID: BFB
 Client ID:
 Operator ID: MEC29284 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
 Tune Method: BFB Method 8260

\$ 167 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	51.0
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	1.1 (1.1)
174	50 to 120% of m/z 95	96.5
175	5 to 9% of m/z 174	7.4 (7.6)
176	Greater than 95% but less than 101% of m/z 174	94.7 (98.1)
177	5 to 9% of m/z 176	6.1 (6.4)

Data File: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\Y04T31.D\8260 25ml HP31.rsl\spectra.d
 Injection Date: 04-May-2023 20:43:30
 Spectrum: Tune Spec :Average 163-165(5.08-5.09) Bgrd 153(5.02)
 Base Peak: 95.00
 Minimum % Base Peak: 0
 Number of Points: 83

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1570	63.00	6947	88.00	6753	137.00	255
37.00	8585	64.00	995	91.00	797	141.00	2002
38.00	7958	65.00	1083	92.00	5834	142.00	106
39.00	2898	66.00	103	93.00	8334	143.00	2097
40.00	76	67.00	450	94.00	21928	145.00	460
44.00	963	68.00	18448	95.00	178176	146.00	216
45.00	1637	69.00	18464	96.00	11719	148.00	419
46.00	87	70.00	1593	97.00	382	150.00	196
47.00	1972	72.00	1062	104.00	945	155.00	561
48.00	1179	73.00	8113	105.00	208	157.00	375
49.00	7819	74.00	31680	106.00	929	159.00	321
50.00	34104	75.00	90824	115.00	100	171.00	99
51.00	10802	76.00	8497	116.00	751	172.00	1746
52.00	452	77.00	1099	117.00	1211	173.00	1872
55.00	549	78.00	816	118.00	785	174.00	171968
56.00	2837	79.00	6427	119.00	941	175.00	13129
57.00	4968	80.00	1779	128.00	780	176.00	168704
58.00	221	81.00	6298	129.00	349	177.00	10780
60.00	1604	82.00	1247	130.00	646	178.00	409
61.00	8680	86.00	203	131.00	300	191.00	105
62.00	8819	87.00	7499	135.00	216		

Data File: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\IY04T31.D

Injection Date: 04-May-2023 20:43:30

Instrument ID: 19930

Operator ID: MEC29284

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 uL

Dil. Factor: 1.0000

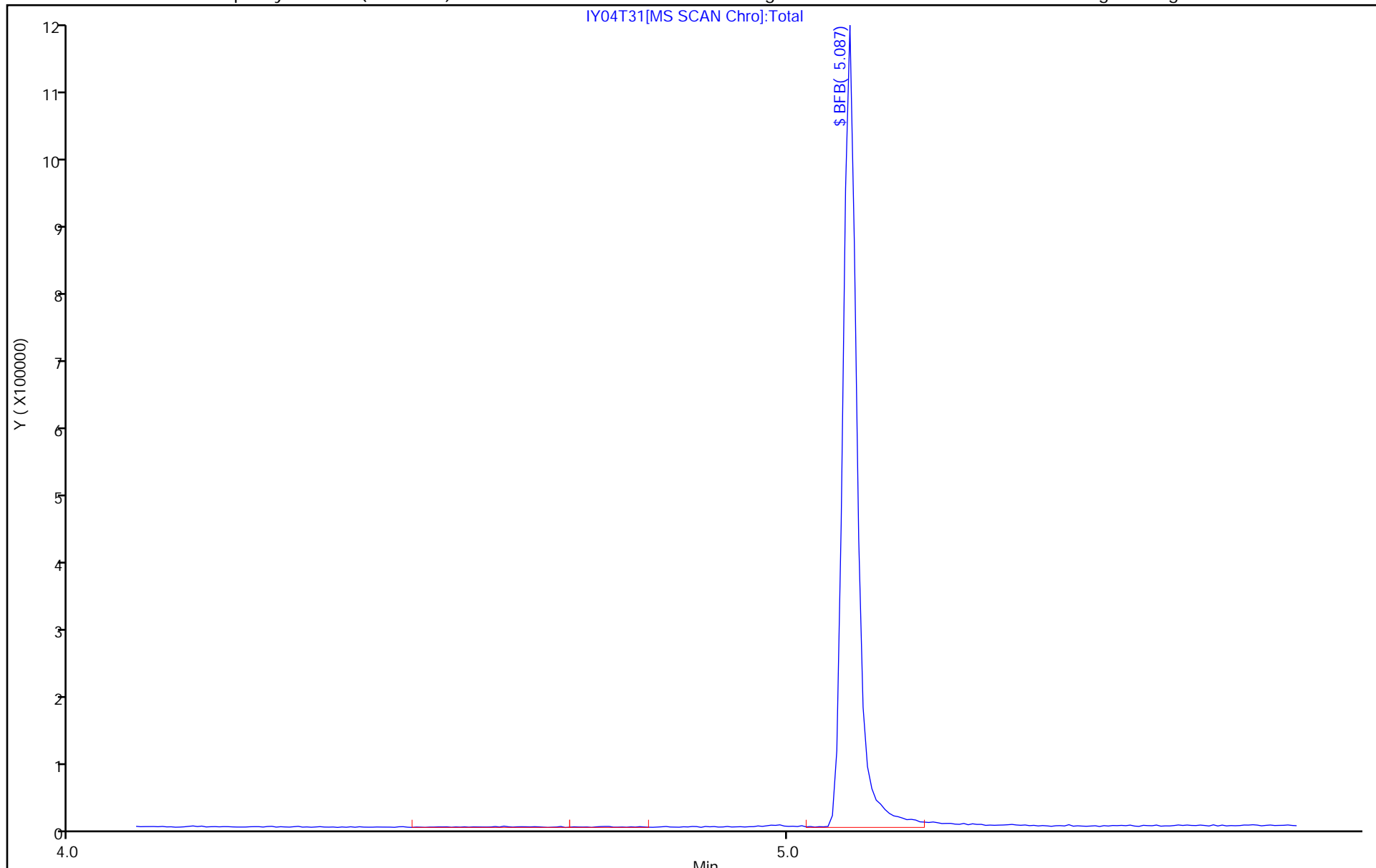
ALS Bottle#: 1

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Client Sample ID:

Lab Sample ID: MB 410-371870/6

Matrix: Water

Lab File ID: CY03X04.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 05/03/2023 21:56

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.: 371870

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	0.10
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	0.10
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.: 410-124489-1

SDG No.:

Client Sample ID:

Lab Sample ID: MB 410-371870/6

Matrix: Water

Lab File ID: CY03X04.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 05/03/2023 21:56

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.: 371870

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)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	94		80-120
2037-26-5	Toluene-d8 (Surr)	108		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X04.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 03-May-2023 21:56:30 ALS Bottle#: 4 Worklist Smp#: 6
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-006
 Misc. Info.: MB
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:17:49 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: JS6E Date: 03-May-2023 22:22:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		1.684					ND	
2 Dichlorodifluoromethane	85		1.715					ND	
3 Chlorodifluoromethane	51		1.727					ND	U
4 Dimethyl ether	45		1.776					ND	U
5 Chloromethane	50		1.892					ND	7
6 Vinyl chloride	62		1.983					ND	
7 Butadiene	39		1.995					ND	7
8 2-Chloro-1,1,1-Trifluoroethane	118		2.062					ND	
9 Bromomethane	94		2.270					ND	7
10 Chloroethane	64		2.331					ND	
11 Dichlorofluoromethane	67		2.544					ND	7
13 Pentane	43	2.648	2.599	0.049	34	116		0.001374	
12 Trichlorofluoromethane	101		2.605					ND	
14 Ethyl ether	59		2.776					ND	
16 1,2-Dichloro-1,1,2-trifluoroethane	67		2.873					ND	7
17 Acrolein	56		2.928					ND	7
18 1,1-Dichloroethene	96		3.038					ND	7
20 Acetone	43	3.081	3.074	0.007	39	3529		0.4332	7M
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.087					ND	
22 Iodomethane	142		3.202					ND	
23 Ethyl bromide	108		3.227					ND	
24 Isopropyl alcohol	45		3.233					ND	
25 Carbon disulfide	76		3.294					ND	7
26 Methyl acetate	43		3.416					ND	7
29 3-Chloro-1-propene	41		3.434					ND	
27 Acetonitrile	41		3.440					ND	
30 Methylene Chloride	84		3.593					ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.635	3.629	0.006	97	170965	50.0	50.0	
32 2-Methyl-2-propanol	59	3.776	3.745	0.031	37	4263		1.30	M
33 Acrylonitrile	53		3.897					ND	
34 Methyl tert-butyl ether	73		3.940					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		3.946					ND	
36 Hexane	57		4.330					ND	7
38 Vinyl acetate	43		4.568					ND	7
37 1,1-Dichloroethane	63		4.574					ND	
39 Isopropyl ether	45		4.641					ND	
40 2-Chloro-1,3-butadiene	53		4.690					ND	
41 Tert-butyl ethyl ether	59		5.196					ND	7
42 2-Butanone (MEK)	43		5.409					ND	7
43 cis-1,2-Dichloroethene	96		5.434					ND	
44 2,2-Dichloropropane	77		5.446					ND	7
46 Ethyl acetate	43	5.476	5.494	-0.018	1	975		0.0344	
45 Propionitrile	54		5.513					ND	
47 Methacrylonitrile	67		5.720					ND	
48 Chlorobromomethane	128		5.769					ND	
49 Tetrahydrofuran	71		5.793					ND	
50 Chloroform	83		5.934					ND	
51 Methyl acrylate	55		6.013					ND	
53 1,1,1-Trichloroethane	97		6.153					ND	
\$ 54 Dibromofluoromethane (Surr)	113	6.159	6.153	0.006	94	498307	10.0	9.36	
S 52 1,2-Dichloroethene, Total	100		6.155					ND	7
55 Cyclohexane	56		6.245					ND	
56 Carbon tetrachloride	117		6.366					ND	
57 1,1-Dichloropropene	75		6.373					ND	
58 Isobutyl alcohol	41		6.598					ND	7
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.616	6.610	0.006	99	103948	10.0	9.90	
60 Benzene	78		6.641					ND	7
61 1,2-Dichloroethane	62		6.720					ND	
63 Isopropyl acetate	43	6.732	6.756	-0.024	1	132		0.001680	
62 1-Chlorobutane	56		6.781					ND	
64 Tert-amyl methyl ether	73		6.854					ND	
* 65 Fluorobenzene (IS)	96	7.061	7.061	0.000	99	2045153	10.0	10.0	
66 n-Heptane	43		7.080					ND	7
67 n-Butanol	56		7.525					ND	
68 Trichloroethene	95		7.555					ND	
69 Methylcyclohexane	83		7.854					ND	
70 1,2-Dichloropropane	63		7.891					ND	
71 2-ethoxy-2-methyl butane	87		7.915					ND	
72 Dibromomethane	93		8.006					ND	
73 Methyl methacrylate	69		8.006					ND	
74 1,4-Dioxane	88		8.006					ND	
75 n-Propyl acetate	61		8.104					ND	
76 Dichlorobromomethane	83		8.250					ND	
77 2-Nitropropane	41		8.537					ND	7
79 2-Chloroethyl vinyl ether	63		8.646					ND	
78 1-Bromo-2-chloroethane	63		8.647					ND	
80 cis-1,3-Dichloropropene	75		8.829					ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.037					ND	7
81 Chloroacetonitrile	75	9.159	9.067	0.092	31	679		NC	
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	93	2110858	10.0	10.8	
84 Toluene	92		9.250					ND	7
85 trans-1,3-Dichloropropene	75		9.555					ND	
86 Ethyl methacrylate	69		9.634					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		9.768					ND	
88 Tetrachloroethene	166		9.854					ND	
89 1,3-Dichloropropane	76		9.939					ND	
106 2-Hexanone	43		10.018					ND	7
S 107 1,3-Dichloropropene, Total	100		10.060					ND	7
109 n-Butyl acetate	43		10.158					ND	
108 Chlorodibromomethane	129		10.171					ND	
110 Ethylene Dibromide	107		10.280					ND	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.744	0.000	85	1634746	10.0	10.0	
112 1-Chlorohexane	91		10.762					ND	7
113 Chlorobenzene	112		10.768					ND	
114 1,1,1,2-Tetrachloroethane	131		10.860					ND	
115 Ethylbenzene	91		10.866					ND	
116 m-Xylene & p-Xylene	106		10.988					ND	
S 117 Xylenes, Total	106		11.245					ND	7
118 o-Xylene	106		11.329					ND	
119 Styrene	104		11.347					ND	7
120 Bromoform	173		11.506					ND	
121 Isopropylbenzene	105		11.646					ND	
123 Cyclohexanone	55		11.737					ND	
122 cis-1,4-Dichloro-2-butene	88		11.792					ND	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	94	783565	10.0	9.39	
125 Bromobenzene	156		11.908					ND	
126 1,1,2,2-Tetrachloroethane	83		11.908					ND	
127 trans-1,4-Dichloro-2-butene	53		11.932					ND	
128 1,2,3-Trichloropropane	110		11.951					ND	
129 N-Propylbenzene	91		11.987					ND	
130 2-Chlorotoluene	126		12.061					ND	
131 1,3,5-Trimethylbenzene	105		12.128					ND	7
132 4-Chlorotoluene	126		12.158					ND	
133 tert-Butylbenzene	134		12.378					ND	
134 Pentachloroethane	167		12.402					ND	
135 1,2,4-Trimethylbenzene	105		12.420					ND	7
136 sec-Butylbenzene	105		12.542					ND	
137 1,3-Dichlorobenzene	146		12.640					ND	
138 4-Isopropyltoluene	119		12.658					ND	7
* 139 1,4-Dichlorobenzene-d4	152	12.701	12.695	0.006	94	940247	10.0	10.0	
140 1,4-Dichlorobenzene	146		12.713					ND	7
141 1,2,3-Trimethylbenzene	120		12.731					ND	7
142 Benzyl chloride	126		12.798					ND	7
143 n-Butylbenzene	92		12.951					ND	
144 1,2-Dichlorobenzene	146		12.981					ND	
145 p-Diethylbenzene	119	13.012	13.005	0.007	1	556		0.003292	
147 Hexachloroethane	117		13.444					ND	
148 1,2-Dibromo-3-Chloropropane	155		13.542					ND	
149 1,3,5-Trichlorobenzene	180		13.664					ND	7
150 1,2,4-Trichlorobenzene	180		14.091					ND	
151 Hexachlorobutadiene	225		14.176					ND	7
152 Naphthalene	128		14.273					ND	7
153 1,2,3-Trichlorobenzene	180		14.420					ND	7
154 2-Methylnaphthalene	142	15.060	15.017	0.043	57	4162		0.2797	M
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

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

MSV_HP25_ISSS_00069

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X04.D

Injection Date: 03-May-2023 21:56:30

Instrument ID: 10193

Operator ID: gaw91131

Lims ID: MB

Worklist Smp#: 6

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

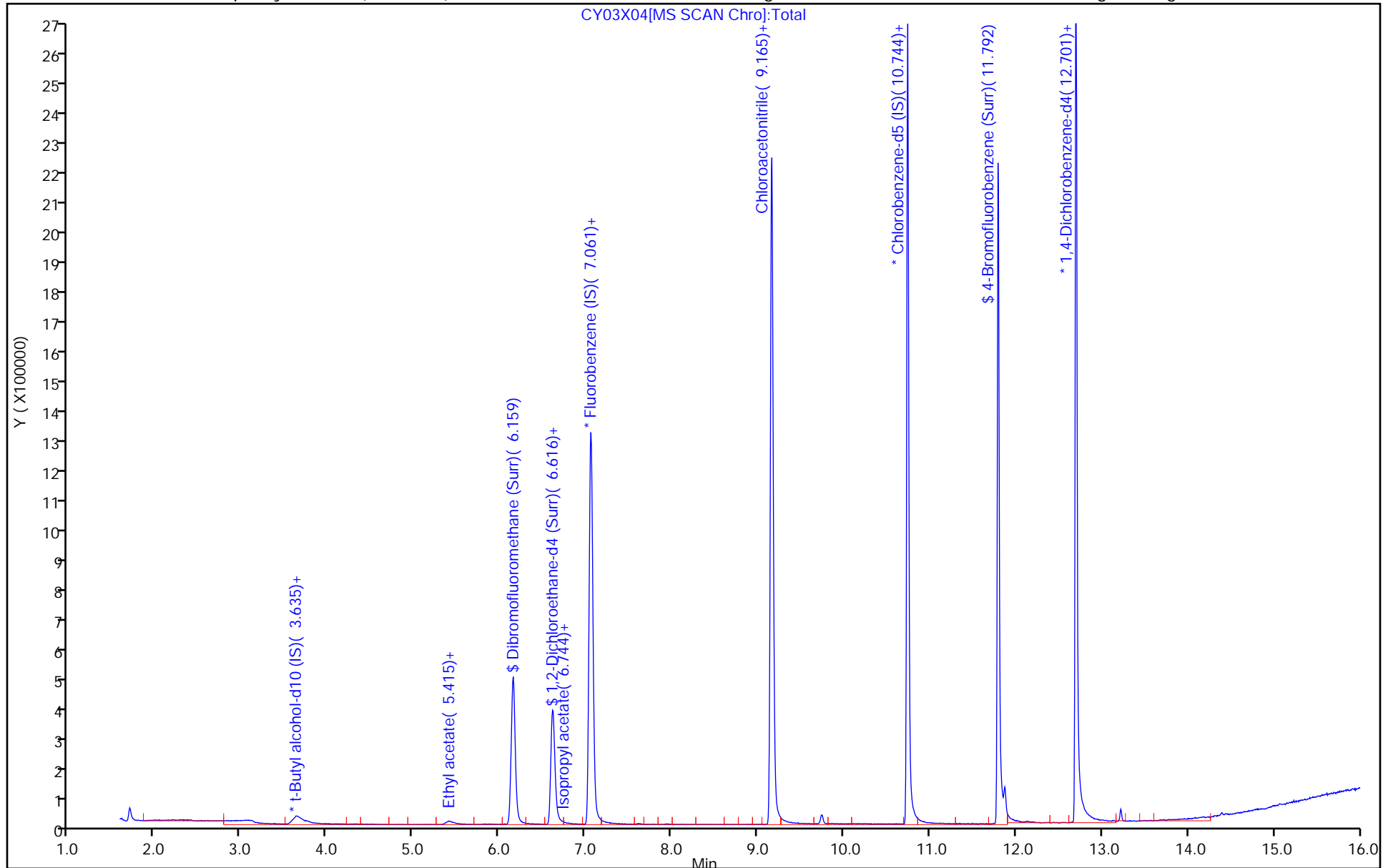
ALS Bottle#: 4

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\20230503-83144.b\CY03X04.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 03-May-2023 21:56:30 ALS Bottle#: 4 Worklist Smp#: 6
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-006
 Misc. Info.: MB
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:17:49 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: JS6E Date: 03-May-2023 22:22:28

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	9.36	93.56
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.90	99.02
\$ 83 Toluene-d8 (Surr)	10.0	10.8	108.11
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.39	93.90

Eurofins Lancaster Laboratories Environment Testing, LLC

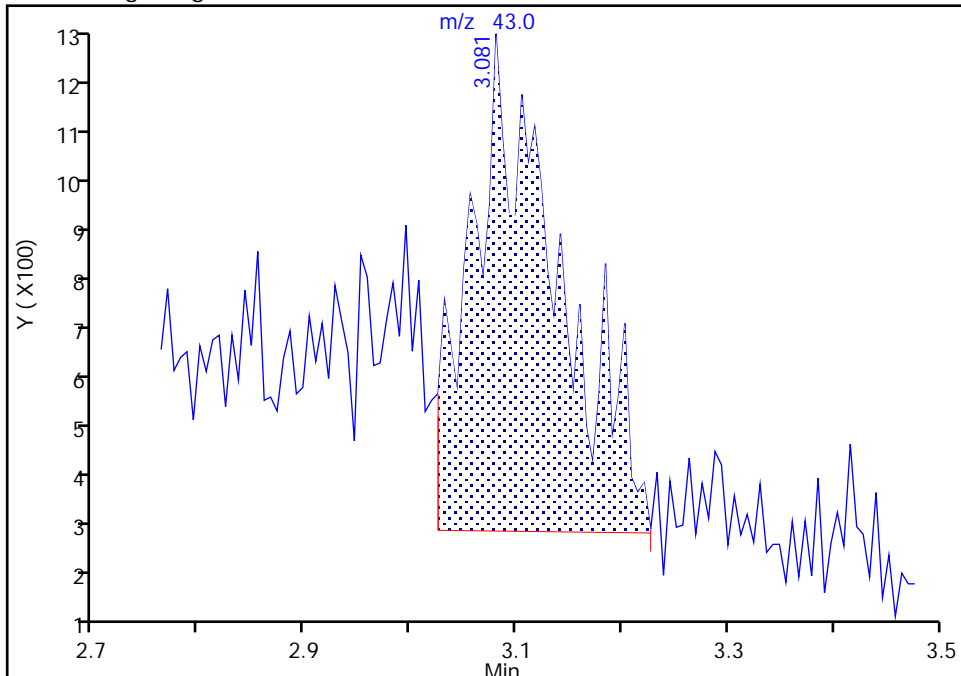
Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X04.D
Injection Date: 03-May-2023 21:56:30 Instrument ID: 10193
Lims ID: MB
Client ID:
Operator ID: gaw91131 ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

20 Acetone, CAS: 67-64-1

Signal: 1

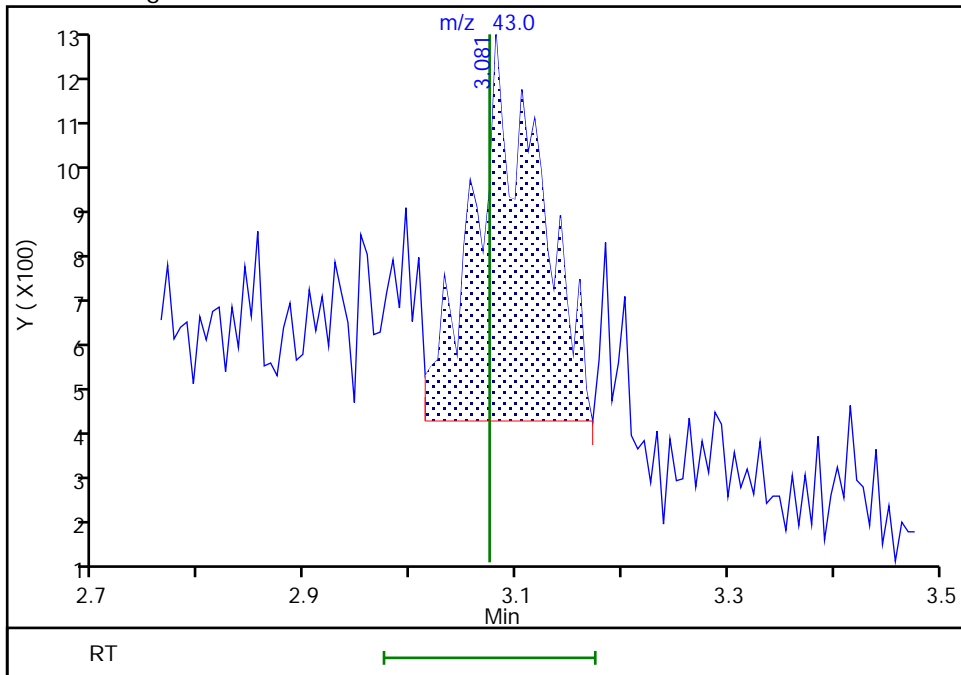
RT: 3.08
Area: 5298
Amount: 0.650322
Amount Units: ug/l

Processing Integration Results



RT: 3.08
Area: 3529
Amount: 0.433180
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 03-May-2023 22:20:05 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Client Sample ID:

Lab Sample ID: MB 410-372041/7

Matrix: Water

Lab File ID: CY04X06.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 10:47

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.: 372041

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	0.10
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	0.10
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.: 410-124489-1

SDG No.: _____

Client Sample ID: _____

Lab Sample ID: MB 410-372041/7

Matrix: Water

Lab File ID: CY04X06.D

Analysis Method: 8260D

Date Collected: _____

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 10:47

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.: 372041

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)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	93		80-120
2037-26-5	Toluene-d8 (Surr)	109		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X06.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 04-May-2023 10:47:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083176-007
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-May-2023 12:40:36 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1661

First Level Reviewer: DVW2 Date: 04-May-2023 11:24:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		1.684					ND	
3 Chlorodifluoromethane	51		1.727					ND	7
2 Dichlorodifluoromethane	85		1.733					ND	
4 Dimethyl ether	45		1.776					ND	7
5 Chloromethane	50		1.898					ND	7
6 Vinyl chloride	62		1.995					ND	
7 Butadiene	39		2.008					ND	7
8 2-Chloro-1,1,1-Trifluoroethane	118		2.062					ND	
9 Bromomethane	94		2.282					ND	7
10 Chloroethane	64		2.337					ND	
11 Dichlorofluoromethane	67		2.556					ND	7
13 Pentane	43		2.605					ND	U
12 Trichlorofluoromethane	101		2.617					ND	
14 Ethyl ether	59		2.788					ND	
16 1,2-Dichloro-1,1,2-trifluoroethane	67		2.879					ND	7
17 Acrolein	56		2.934					ND	7
18 1,1-Dichloroethene	96		3.050					ND	7
20 Acetone	43		3.080					ND	MU
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.093					ND	
24 Isopropyl alcohol	45		3.209					ND	
22 Iodomethane	142		3.215					ND	
23 Ethyl bromide	108		3.233					ND	
25 Carbon disulfide	76		3.306					ND	7
26 Methyl acetate	43		3.434					ND	U
27 Acetonitrile	41		3.440					ND	
29 3-Chloro-1-propene	41		3.446					ND	
30 Methylene Chloride	84		3.605					ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.641	3.660	-0.019	98	146759	50.0	50.0	
32 2-Methyl-2-propanol	59		3.757					ND	U
33 Acrylonitrile	53		3.903					ND	
34 Methyl tert-butyl ether	73		3.952					ND	
35 trans-1,2-Dichloroethene	96		3.952					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Hexane	57		4.342					ND	7
38 Vinyl acetate	43		4.568					ND	7
37 1,1-Dichloroethane	63		4.586					ND	
39 Isopropyl ether	45		4.659					ND	
40 2-Chloro-1,3-butadiene	53		4.696					ND	
41 Tert-butyl ethyl ether	59		5.202					ND	
42 2-Butanone (MEK)	43		5.415					ND	7
43 cis-1,2-Dichloroethene	96		5.446					ND	
44 2,2-Dichloropropane	77		5.458					ND	7
46 Ethyl acetate	43		5.494					ND	7
45 Propionitrile	54		5.513					ND	
47 Methacrylonitrile	67		5.714					ND	
48 Chlorobromomethane	128		5.781					ND	
49 Tetrahydrofuran	71		5.787					ND	
50 Chloroform	83		5.940					ND	
51 Methyl acrylate	55		6.013					ND	
S 52 1,2-Dichloroethene, Total	100		6.155					ND	7
53 1,1,1-Trichloroethane	97		6.159					ND	
\$ 54 Dibromofluoromethane (Surr)	113	6.165	6.165	0.000	94	476726	10.0	9.34	
55 Cyclohexane	56		6.251					ND	
56 Carbon tetrachloride	117		6.373					ND	
57 1,1-Dichloropropene	75		6.379					ND	
58 Isobutyl alcohol	41		6.610					ND	U
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.622	6.616	0.006	98	98697	10.0	9.81	
60 Benzene	78		6.647					ND	
61 1,2-Dichloroethane	62		6.720					ND	
63 Isopropyl acetate	43		6.756					ND	
62 1-Chlorobutane	56		6.781					ND	
64 Tert-amyl methyl ether	73		6.860					ND	
* 65 Fluorobenzene (IS)	96	7.061	7.061	0.000	99	1959987	10.0	10.0	
66 n-Heptane	43		7.086					ND	7
67 n-Butanol	56		7.531					ND	
68 Trichloroethene	95		7.555					ND	
69 Methylcyclohexane	83		7.860					ND	
70 1,2-Dichloropropane	63		7.891					ND	
71 2-ethoxy-2-methyl butane	87		7.927					ND	
72 Dibromomethane	93		8.006					ND	
73 Methyl methacrylate	69		8.006					ND	
74 1,4-Dioxane	88		8.006					ND	
75 n-Propyl acetate	61		8.104					ND	
76 Dichlorobromomethane	83		8.256					ND	
77 2-Nitropropane	41		8.543					ND	7
79 2-Chloroethyl vinyl ether	63		8.646					ND	
78 1-Bromo-2-chloroethane	63		8.646					ND	
80 cis-1,3-Dichloropropene	75		8.829					ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.037					ND	7
81 Chloroacetonitrile	75	9.152	9.067	0.085	31	536		NC	
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	93	2039130	10.0	10.9	
84 Toluene	92		9.250					ND	7
85 trans-1,3-Dichloropropene	75		9.555					ND	
86 Ethyl methacrylate	69		9.640					ND	
87 1,1,2-Trichloroethane	97		9.774					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166		9.854					ND	
89 1,3-Dichloropropane	76		9.945					ND	
106 2-Hexanone	43		10.018					ND	7
S 107 1,3-Dichloropropene, Total	100		10.060					ND	7
109 n-Butyl acetate	43		10.158					ND	
108 Chlorodibromomethane	129		10.171					ND	
110 Ethylene Dibromide	107		10.280					ND	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.744	0.000	86	1567728	10.0	10.0	
112 1-Chlorohexane	91		10.768					ND	7
113 Chlorobenzene	112		10.774					ND	
114 1,1,1,2-Tetrachloroethane	131		10.859					ND	
115 Ethylbenzene	91		10.866					ND	
116 m-Xylene & p-Xylene	106		10.987					ND	
S 117 Xylenes, Total	106		11.245					ND	7
118 o-Xylene	106		11.335					ND	
119 Styrene	104		11.353					ND	
120 Bromoform	173		11.506					ND	
121 Isopropylbenzene	105		11.646					ND	
123 Cyclohexanone	55		11.737					ND	
122 cis-1,4-Dichloro-2-butene	88		11.792					ND	U
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	93	767947	10.0	9.60	a
125 Bromobenzene	156		11.908					ND	
126 1,1,2,2-Tetrachloroethane	83		11.908					ND	
127 trans-1,4-Dichloro-2-butene	53		11.932					ND	
128 1,2,3-Trichloropropane	110		11.951					ND	
129 N-Propylbenzene	91		11.987					ND	
130 2-Chlorotoluene	126		12.060					ND	
131 1,3,5-Trimethylbenzene	105		12.134					ND	7
132 4-Chlorotoluene	126		12.158					ND	
133 tert-Butylbenzene	134		12.377					ND	
134 Pentachloroethane	167		12.408					ND	
135 1,2,4-Trimethylbenzene	105		12.420					ND	
136 sec-Butylbenzene	105		12.542					ND	7
137 1,3-Dichlorobenzene	146		12.640					ND	7
138 4-Isopropyltoluene	119		12.658					ND	7
* 139 1,4-Dichlorobenzene-d4	152	12.701	12.701	0.000	94	922663	10.0	10.0	
140 1,4-Dichlorobenzene	146		12.719					ND	7
141 1,2,3-Trimethylbenzene	120		12.731					ND	7
142 Benzyl chloride	126		12.798					ND	7
145 p-Diethylbenzene	119		12.932					ND	U
143 n-Butylbenzene	92		12.957					ND	
144 1,2-Dichlorobenzene	146		12.981					ND	
147 Hexachloroethane	117		13.444					ND	
148 1,2-Dibromo-3-Chloropropane	155		13.542					ND	
149 1,3,5-Trichlorobenzene	180		13.664					ND	7
150 1,2,4-Trichlorobenzene	180		14.091					ND	7
151 Hexachlorobutadiene	225		14.176					ND	7
152 Naphthalene	128		14.273					ND	7
153 1,2,3-Trichlorobenzene	180		14.420					ND	7
154 2-Methylnaphthalene	142		15.017					ND	U
155 Dodecane	57		0.000					ND	
156 1,1-Dichloro-1-fluoroethane	1		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00067

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X06.D

Injection Date: 04-May-2023 10:47:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

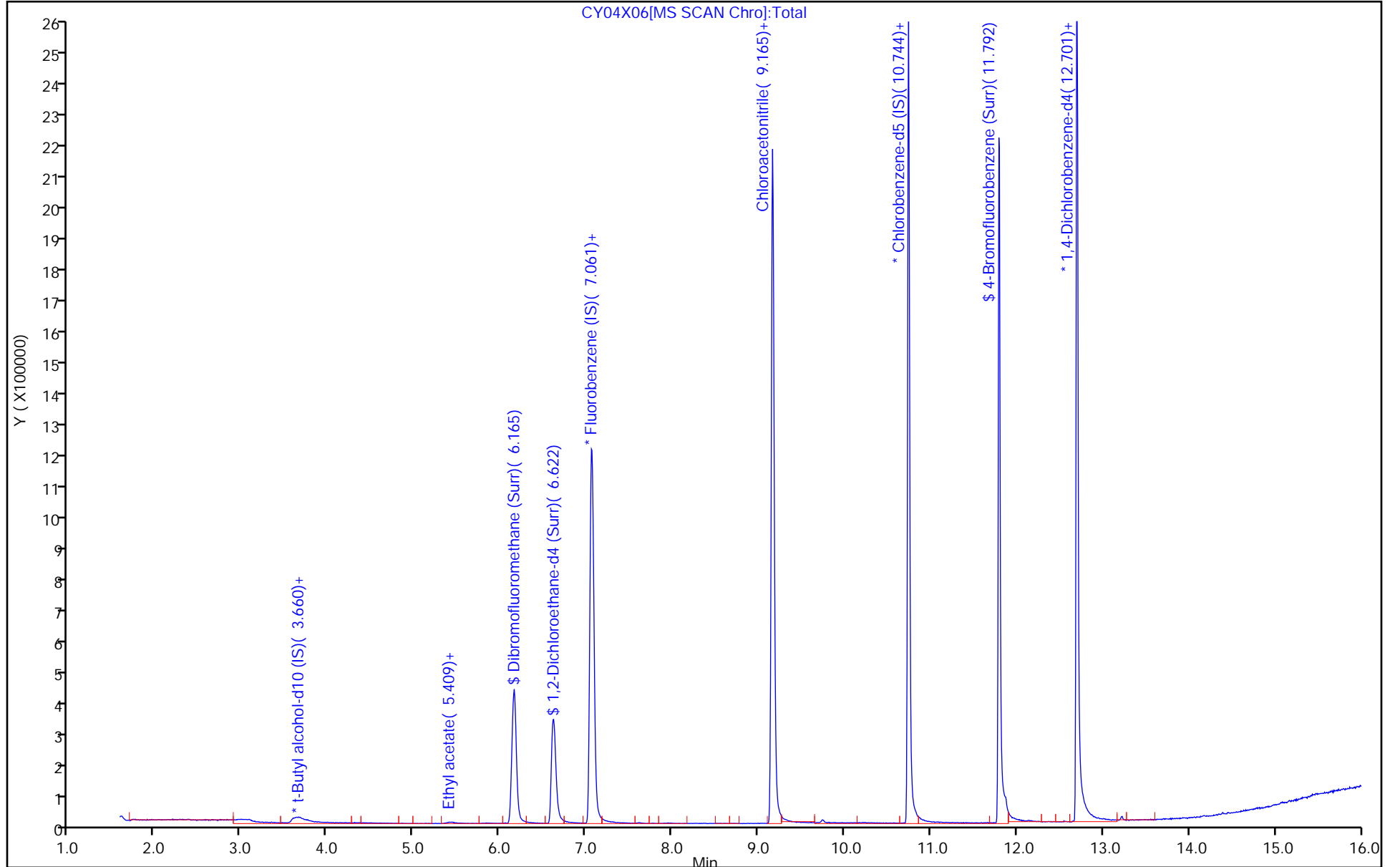
ALS Bottle#: 6

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\20230504-83176.b\CY04X06.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 04-May-2023 10:47:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083176-007
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-May-2023 12:40:36 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1661

First Level Reviewer: DVW2

Date: 04-May-2023 11:24:25

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	9.34	93.39
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.81	98.11
\$ 83 Toluene-d8 (Surr)	10.0	10.9	108.90
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.60	95.96

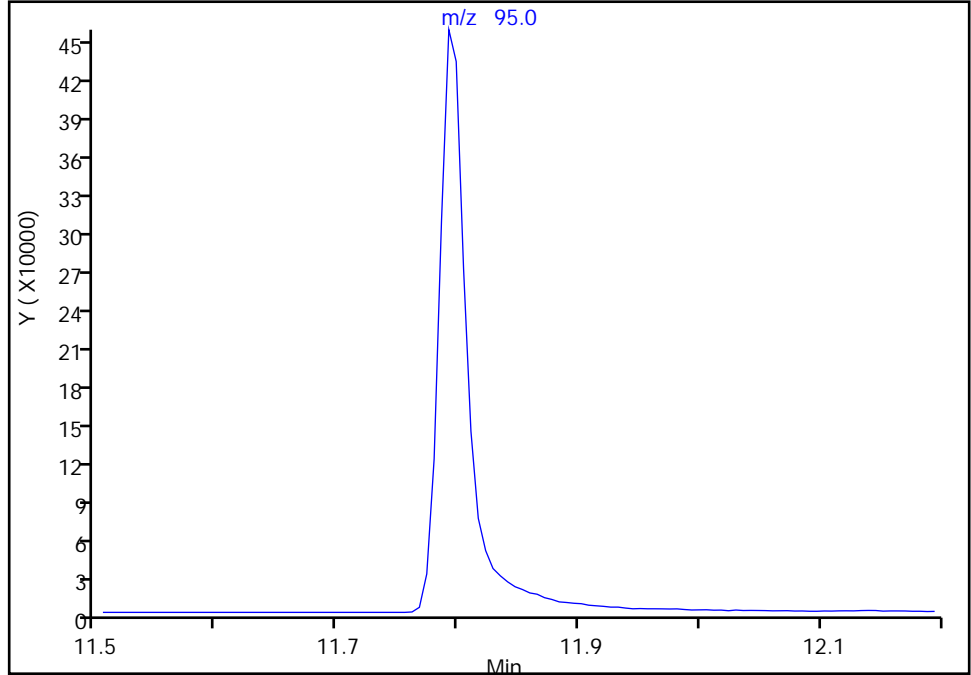
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X06.D
Injection Date: 04-May-2023 10:47:30 Instrument ID: 10193
Lims ID: MB
Client ID:
Operator ID: knk41612 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 ID) Detector: MS Quad

\$ 124 4-Bromofluorobenzene (Surr), CAS: 460-00-4
Signal: 1

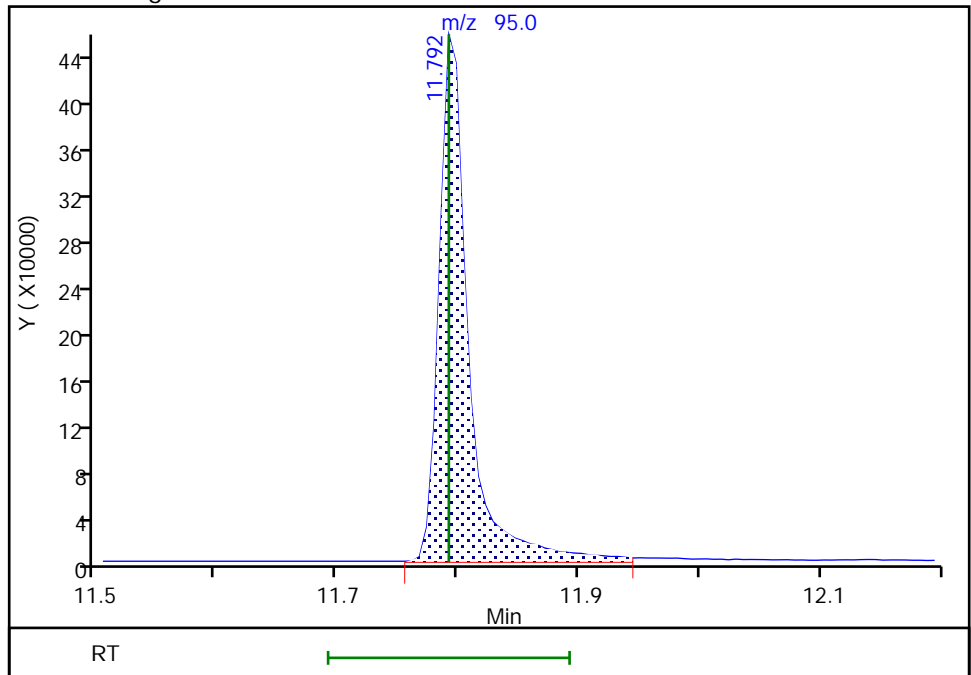
Not Detected
Expected RT: 11.79

Processing Integration Results



Manual Integration Results

RT: 11.79
Area: 767947
Amount: 9.596111
Amount Units: ug/l



Reviewer: DVW2, 04-May-2023 11:23:37 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

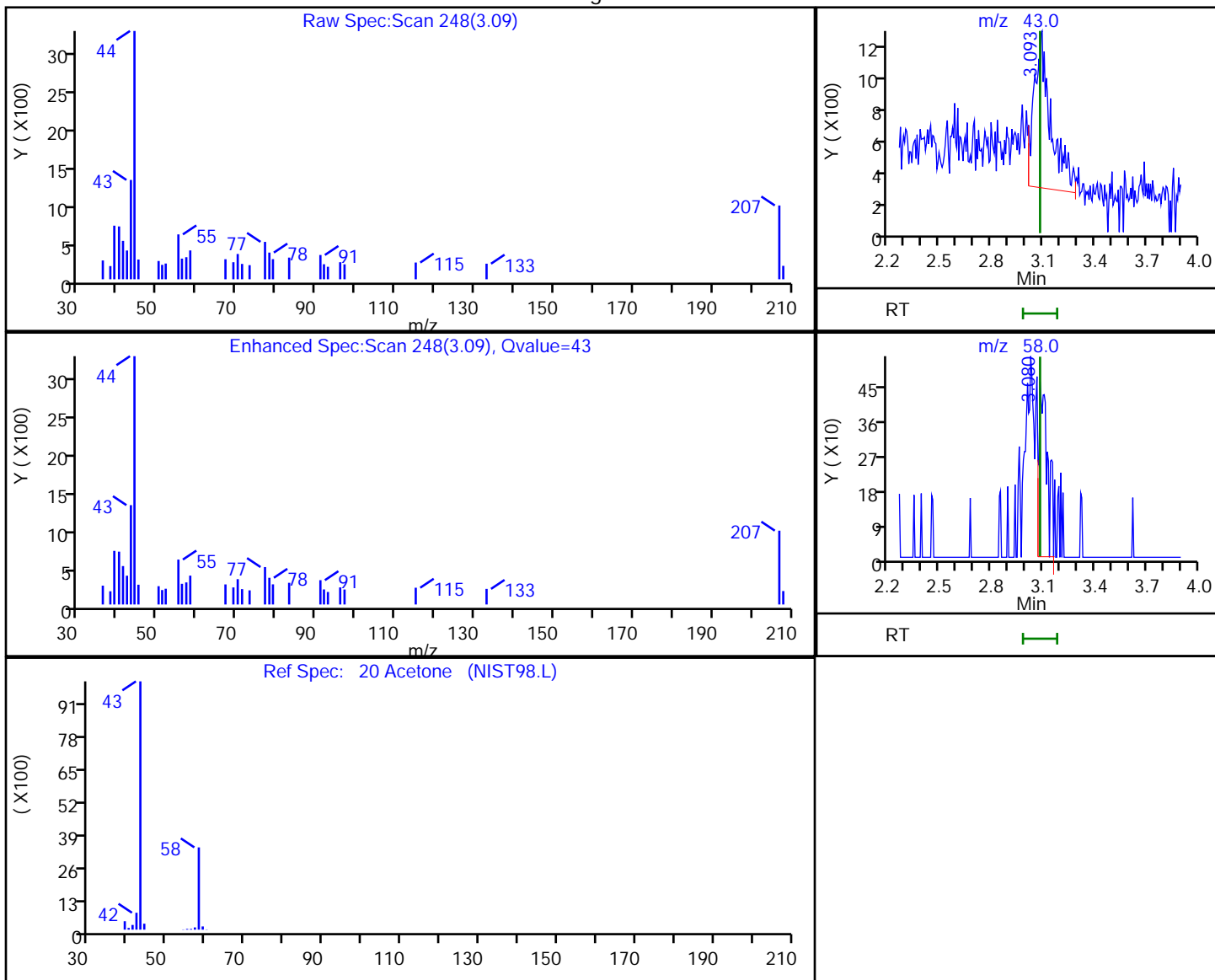
Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X06.D
 Injection Date: 04-May-2023 10:47:30 Instrument ID: 10193
 Lims ID: MB
 Client ID:
 Operator ID: knk41612 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 ID) Detector: MS Quad

20 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.09	43.00	6771	0.968215
3.08	58.00	1625	

Reviewer: kaewrungrueangp, 05-May-2023 12:40:13 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Client Sample ID:

Lab Sample ID: MB 410-372381/7

Matrix: Water

Lab File ID: IY04X36.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 22:41

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.: 372381

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	0.10
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	0.10
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 Job No.: 410-124489-1
 Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 410-372381/7

Matrix: Water Lab File ID: IY04X36.D

Analysis Method: 8260D Date Collected: _____

Sample wt/vol: 25 (mL) Date Analyzed: 05/04/2023 22:41

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.: 372381 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)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\IY04X36.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 04-May-2023 22:41:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083257-007
 Misc. Info.: MB
 Operator ID: MEC29284 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 08-May-2023 10:46:39 Calib Date: 21-Mar-2023 06:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1614

First Level Reviewer: K4WN

Date: 04-May-2023 23:14:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85		1.892					ND	
2 Chlorodifluoromethane	51		1.910					ND	
3 Dimethyl ether	45		1.983					ND	
4 Chloromethane	50		2.087					ND	
6 Butadiene	39		2.196					ND	7
5 Vinyl chloride	62		2.196					ND	
7 Bromomethane	94		2.526					ND	7
8 Chloroethane	64		2.599					ND	
9 Dichlorofluoromethane	67		2.830					ND	
10 Trichlorofluoromethane	101		2.904					ND	
11 Ethyl ether	59		3.123					ND	
13 1,2-Dichloro-1,1,2-trifluoroetha	67		3.221					ND	
14 Acrolein	56		3.288					ND	
15 1,1-Dichloroethene	96		3.428					ND	
16 Acetone	43		3.452					ND	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.470					ND	
18 Iodomethane	142		3.617					ND	
19 Ethyl bromide	108		3.641					ND	
20 Carbon disulfide	76		3.727					ND	7
23 Methyl acetate	43		3.867					ND	
24 3-Chloro-1-propene	41		3.885					ND	
21 Acetonitrile	41		3.910					ND	
25 Methylene Chloride	84		4.068					ND	
* 26 t-Butyl alcohol-d10 (IS)	65	4.092	4.104	-0.012	26	161820	50.0	50.0	
27 2-Methyl-2-propanol	59		4.239					ND	7
28 Acrylonitrile	53		4.391					ND	
29 Methyl tert-butyl ether	73		4.470					ND	
30 trans-1,2-Dichloroethene	96		4.476					ND	
31 Hexane	57		4.903					ND	7
32 1,1-Dichloroethane	63		5.141					ND	
33 Vinyl acetate	43		5.141					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Isopropyl ether	45		5.202					ND	
36 2-Chloro-1,3-butadiene	53		5.251					ND	
37 Tert-butyl ethyl ether	59		5.738					ND	7
38 2-Butanone (MEK)	43		5.933					ND	7
39 cis-1,2-Dichloroethene	96		5.976					ND	
40 2,2-Dichloropropane	77		5.994					ND	
42 Ethyl acetate	43		6.025					ND	
43 Propionitrile	54		6.031					ND	
S 41 1,2-Dichloroethene, Total	100		6.155					ND	7
44 Methyl acrylate	55		6.220					ND	
45 Methacrylonitrile	67		6.232					ND	
46 Chlorobromomethane	128		6.305					ND	
47 Tetrahydrofuran	71		6.324					ND	
48 Chloroform	83		6.458					ND	
\$ 49 Dibromofluoromethane (Surr)	113	6.671	6.671	0.000	94	579123	10.0	10.3	
50 1,1,1-Trichloroethane	97		6.683					ND	
51 Cyclohexane	56		6.787					ND	
54 Carbon tetrachloride	117		6.897					ND	
53 1,1-Dichloropropene	75		6.897					ND	
52 1-Chlorobutane	56		7.019					ND	
55 Isobutyl alcohol	41		7.061					ND	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.122	7.122	0.000	63	111239	10.0	10.5	
57 Benzene	78		7.159					ND	
58 1,2-Dichloroethane	62		7.226					ND	
59 Isopropyl acetate	43		7.250					ND	
60 Tert-amyl methyl ether	73		7.354					ND	
* 61 Fluorobenzene (IS)	96	7.561	7.561	0.000	99	2117860	10.0	10.0	
62 n-Heptane	43		7.579					ND	7
63 n-Butanol	56		7.945					ND	
64 Trichloroethene	95		8.043					ND	
65 Methylcyclohexane	83		8.354					ND	7
66 1,2-Dichloropropane	63		8.372					ND	
67 Methyl methacrylate	69		8.463					ND	
68 1,4-Dioxane	88		8.476					ND	
69 Dibromomethane	93		8.482					ND	
70 n-Propyl acetate	43		8.549					ND	
71 Dichlorobromomethane	83		8.719					ND	
72 2-Nitropropane	41		8.982					ND	
75 1-Bromo-2-chloroethane	63		9.110					ND	
73 2-Chloroethyl vinyl ether	63		9.152					ND	
74 Chloroacetonitrile	75		9.226					ND	
76 cis-1,3-Dichloropropene	75		9.274					ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.445					ND	
\$ 78 Toluene-d8 (Surr)	98	9.585	9.585	0.000	94	2097890	10.0	9.91	
79 Toluene	92		9.664					ND	
97 trans-1,3-Dichloropropene	75		9.927					ND	
99 Ethyl methacrylate	69		9.987					ND	
S 98 1,3-Dichloropropene, Total	100		10.060					ND	7
100 1,1,2-Trichloroethane	97		10.128					ND	
101 Tetrachloroethene	166		10.219					ND	
102 1,3-Dichloropropane	76		10.292					ND	
103 2-Hexanone	43		10.347					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
104 n-Butyl acetate	43		10.475					ND	
105 Chlorodibromomethane	129		10.512					ND	
106 Ethylene Dibromide	107		10.622					ND	
* 107 Chlorobenzene-d5 (IS)	117	11.054	11.054	0.000	86	1645138	10.0	10.0	
108 1-Chlorohexane	91		11.067					ND	7
109 Chlorobenzene	112		11.079					ND	
111 1,1,1,2-Tetrachloroethane	131		11.164					ND	
112 Ethylbenzene	91		11.170					ND	
S 110 Xylenes, Total	106		11.245					ND	7
113 m-Xylene & p-Xylene	106		11.286					ND	
114 o-Xylene	106		11.615					ND	
115 Styrene	104		11.627					ND	
116 Bromoform	173		11.786					ND	
117 Isopropylbenzene	105		11.914					ND	
118 cis-1,4-Dichloro-2-butene	88		11.969					ND	
119 Cyclohexanone	55		12.000					ND	
\$ 120 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	95	746895	10.0	9.67	
121 1,1,2,2-Tetrachloroethane	83		12.158					ND	
122 Bromobenzene	156		12.176					ND	
123 trans-1,4-Dichloro-2-butene	53		12.182					ND	
124 1,2,3-Trichloropropane	110		12.207					ND	
125 N-Propylbenzene	91		12.243					ND	
126 2-Chlorotoluene	126		12.322					ND	
127 1,3,5-Trimethylbenzene	105		12.383					ND	
128 4-Chlorotoluene	126		12.414					ND	
129 tert-Butylbenzene	134		12.621					ND	
130 Pentachloroethane	167		12.658					ND	
131 1,2,4-Trimethylbenzene	105		12.664					ND	
132 sec-Butylbenzene	105		12.786					ND	
133 1,3-Dichlorobenzene	146		12.883					ND	
134 4-Isopropyltoluene	119		12.895					ND	7
* 135 1,4-Dichlorobenzene-d4	152	12.944	12.938	0.006	94	978145	10.0	10.0	
136 1,4-Dichlorobenzene	146		12.956					ND	7
137 1,2,3-Trimethylbenzene	120		12.969					ND	7
138 Benzyl chloride	126		13.036					ND	7
139 n-Butylbenzene	92		13.188					ND	7
140 1,2-Dichlorobenzene	146		13.219					ND	
141 Hexachloroethane	117		13.542					ND	
142 1,2-Dibromo-3-Chloropropane	155		13.761					ND	
143 1,3,5-Trichlorobenzene	180		13.889					ND	7
144 1,2,4-Trichlorobenzene	180		14.310					ND	
145 Hexachlorobutadiene	225	14.395	14.389	0.006	90	2237		0.0423	
146 Naphthalene	128		14.487					ND	7
147 1,2,3-Trichlorobenzene	180		14.633					ND	
148 Dodecane	57		0.000					ND	
151 1,1-Dichloroacetone	1		0.000					ND	
152 n-Decane	57		0.000					ND	
153 1-Bromo-3-Chloropropane	1		0.000					ND	
154 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
155 2-Methylnaphthalene	142		0.000					ND	
156 p-Diethylbenzene	1		0.000					ND	
157 t-Amyl alcohol	1		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
158 Methylal	1		0.000					ND	
159 tert-Butyl Formate	1		0.000					ND	
160 2-Bromo-1-chloropropane	1		0.000					ND	
223 1,1,2-Trifluoroethane TIC	1		0.000					ND	
161 Pentane	43		0.000					ND	
149 2-Chloro-1,1,1-Trifluoroethane	1		0.000					ND	
150 2-ethoxy-2-methyl butane	1		0.000					ND	
165 Isopropyl alcohol	45		0.000					ND	
217 Freon 115 TIC	1		0.000					ND	
216 Ethyl ether TIC	1		0.000					ND	
215 1-Chloro-1,1-difluoroethane TIC	1		0.000					ND	
214 Dichloro-1,1,2,2-tetrafluoroethane TIC	1		0.000					ND	
213 Chlorofluoromethane TIC	1		0.000					ND	
218 Fluoromethane TIC	1		0.000					ND	
225 1,1-Dichloro-1-fluoroethane TIC	1		0.000					ND	
222 Vinyl Fluoride TIC	1		0.000					ND	
162 Chlorotrifluoroethene	1		0.000					ND	
163 Propene oxide	1		0.000					ND	
221 1,1,1-Trichloro-2,2,2-trifluoroethane TIC	1		0.000					ND	
220 1,2-Dichlorofluoroethane TIC	1		0.000					ND	
219 1,1,1-Trifluoro-2,2-dichloroethane TIC	1		0.000					ND	
164 1-Chloropropane	1		0.000					ND	
166 Ethanol	45		3.269					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_LLcentISS_00007

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\IY04X36.D

Injection Date: 04-May-2023 22:41:30

Instrument ID: 19930

Operator ID: MEC29284

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

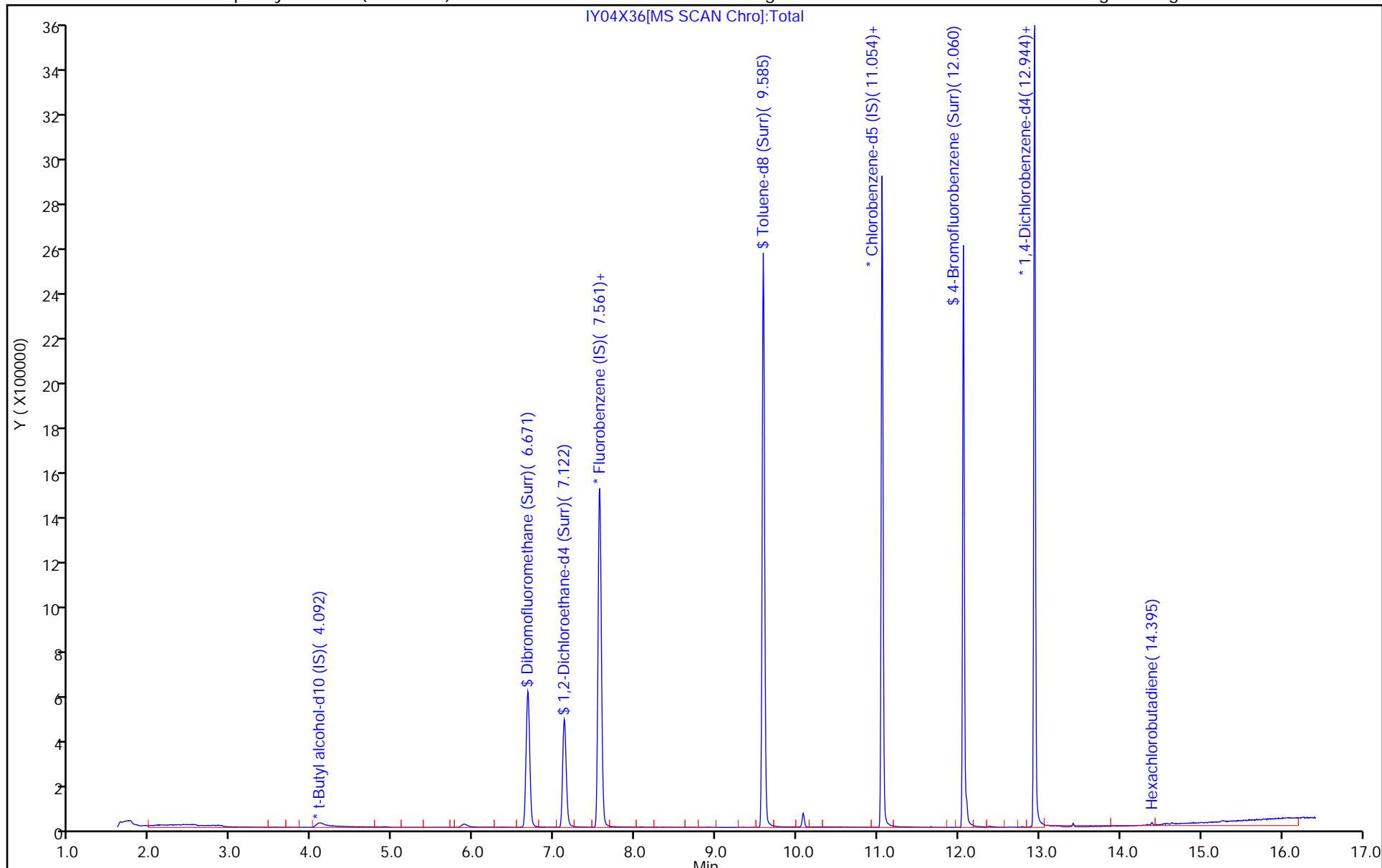
ALS Bottle#: 6

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\IY04X36.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 04-May-2023 22:41:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083257-007
 Misc. Info.: MB
 Operator ID: MEC29284 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 08-May-2023 10:46:39 Calib Date: 21-Mar-2023 06:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1614

First Level Reviewer: K4WN Date: 04-May-2023 23:14:06

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	10.3	103.21
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.5	104.52
\$ 78 Toluene-d8 (Surr)	10.0	9.91	99.06
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.67	96.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Client Sample ID:

Lab Sample ID: MB 410-373833/7

Matrix: Water

Lab File ID: HY09X06.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 05/09/2023 19:44

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.: 373833

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	0.10
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	0.10
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.: 410-124489-1

SDG No.:

Client Sample ID:

Lab Sample ID: MB 410-373833/7

Matrix: Water

Lab File ID: HY09X06.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 05/09/2023 19:44

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.: 373833

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)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		80-120
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20230509-83587.b\HY09X06.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 09-May-2023 19:44:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083587-007
 Misc. Info.: MB
 Operator ID: gaw91131 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20230509-83587.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-May-2023 12:46:48 Calib Date: 19-Apr-2023 23:41:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1661

First Level Reviewer: JS6E Date: 09-May-2023 20:16:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		1.861					ND	
2 Dichlorodifluoromethane	85		1.892					ND	
3 Chlorodifluoromethane	51		1.910					ND	
4 Dimethyl ether	45		1.977					ND	
5 Chloromethane	50		2.087					ND	
6 Vinyl chloride	62		2.196					ND	
7 Butadiene	39		2.196					ND	7
8 2-Chloro-1,1,1-Trifluoroethane	118		2.270					ND	
9 Bromomethane	94		2.526					ND	
10 Chloroethane	64		2.593					ND	
11 Dichlorofluoromethane	67		2.824					ND	
12 Trichlorofluoromethane	101		2.898					ND	
13 Ethanol	45		3.111					ND	
14 Ethyl ether	59		3.111					ND	
15 1,2-Dichloro-1,1,2-trifluoroethane	67		3.202					ND	
16 Acrolein	56		3.275					ND	
17 1,1-Dichloroethene	96		3.416					ND	
19 Acetone	43		3.446					ND	7
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.458					ND	
21 Iodomethane	142		3.605					ND	
22 Ethyl bromide	108		3.629					ND	
23 Carbon disulfide	76		3.708					ND	7
24 Methyl acetate	43		3.849					ND	
26 3-Chloro-1-propene	41		3.867					ND	
25 Acetonitrile	41		3.891					ND	
27 Methylene Chloride	84		4.050					ND	
* 28 t-Butyl alcohol-d10 (IS)	65	4.074	4.068	0.006	25	94167	50.0	50.0	
29 2-Methyl-2-propanol	59		4.172					ND	
31 Acrylonitrile	53		4.367					ND	
32 Methyl tert-butyl ether	73		4.434					ND	
33 trans-1,2-Dichloroethene	96		4.458					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		4.885					ND	
35 Vinyl acetate	43		5.104					ND	
36 1,1-Dichloroethane	63		5.117					ND	
37 Isopropyl ether	45		5.178					ND	
38 2-Chloro-1,3-butadiene	53		5.226					ND	
40 Tert-butyl ethyl ether	59		5.714					ND	
41 2-Butanone (MEK)	43		5.915					ND	
42 cis-1,2-Dichloroethene	96		5.958					ND	
43 2,2-Dichloropropane	77		5.970					ND	
45 Ethyl acetate	43		6.001					ND	
44 Propionitrile	54		6.007					ND	
S 46 1,2-Dichloroethene, Total	100		6.155					ND	7
47 Methacrylonitrile	67		6.220					ND	
48 Chlorobromomethane	128		6.287					ND	
49 Tetrahydrofuran	71		6.299					ND	
50 Chloroform	83		6.446					ND	
51 Methyl acrylate	55		6.482					ND	
\$ 52 Dibromofluoromethane (Surr)	113	6.665	6.659	0.006	94	427552	10.0	10.5	
53 1,1,1-Trichloroethane	97		6.677					ND	
54 Cyclohexane	56		6.781					ND	
55 1,1-Dichloropropene	75		6.891					ND	
56 Carbon tetrachloride	117		6.891					ND	
57 Isobutyl alcohol	41		7.031					ND	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.122	7.116	0.006	52	81132	10.0	10.7	
59 Benzene	78		7.153					ND	
60 1,2-Dichloroethane	62		7.226					ND	7
61 Isopropyl acetate	43		7.238					ND	
62 1-Chlorobutane	56		7.250					ND	
63 Tert-amyl methyl ether	73		7.348					ND	
* 64 Fluorobenzene (IS)	96	7.561	7.561	0.000	99	1706945	10.0	10.0	
65 n-Heptane	43		7.580					ND	7
66 t-Amyl alcohol	73		7.842					ND	
67 n-Butanol	56		7.927					ND	
68 Trichloroethene	95		8.049					ND	
69 Methylcyclohexane	83		8.366					ND	
70 1,2-Dichloropropane	63		8.384					ND	
71 2-ethoxy-2-methyl butane	87		8.396					ND	
72 Methyl methacrylate	69		8.470					ND	
73 1,4-Dioxane	88		8.482					ND	
74 Dibromomethane	93		8.494					ND	
75 n-Propyl acetate	61		8.555					ND	
76 Dichlorobromomethane	83		8.732					ND	
77 2-Nitropropane	41		8.994					ND	
78 2-Chloroethyl vinyl ether	63		9.104					ND	
79 1-Bromo-2-chloroethane	63		9.128					ND	
80 cis-1,3-Dichloropropene	75		9.287					ND	
81 Chloroacetonitrile	75		9.427					ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.463					ND	7
\$ 83 Toluene-d8 (Surr)	98	9.610	9.610	0.000	93	1749600	10.0	9.40	
84 Toluene	92		9.689					ND	
85 trans-1,3-Dichloropropene	75		9.951					ND	
104 Ethyl methacrylate	69		10.018					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		10.158					ND	
107 Tetrachloroethene	166		10.250					ND	
108 1,3-Dichloropropane	76		10.323					ND	
109 2-Hexanone	43		10.372					ND	7
110 n-Butyl acetate	43		10.506					ND	
111 Chlorodibromomethane	129		10.542					ND	
112 Ethylene Dibromide	107		10.652					ND	
* 113 Chlorobenzene-d5 (IS)	117	11.091	11.091	0.000	86	1368171	10.0	10.0	
114 1-Chlorohexane	91		11.103					ND	7
115 Chlorobenzene	112		11.115					ND	7
116 1,1,1,2-Tetrachloroethane	131		11.201					ND	
117 Ethylbenzene	91		11.207					ND	7
S 118 Xylenes, Total	106		11.245					ND	7
119 m-Xylene & p-Xylene	106		11.323					ND	
120 o-Xylene	106		11.652					ND	
121 Styrene	104		11.670					ND	
122 Bromoform	173		11.829					ND	
123 Isopropylbenzene	105		11.957					ND	
124 cis-1,4-Dichloro-2-butene	88		12.005					ND	U
125 Cyclohexanone	55		12.042					ND	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.103	12.103	0.000	91	665304	10.0	9.85	
127 1,1,2,2-Tetrachloroethane	83		12.201					ND	
128 Bromobenzene	156		12.219					ND	
129 trans-1,4-Dichloro-2-butene	53		12.225					ND	
130 1,2,3-Trichloropropane	110		12.249					ND	
131 N-Propylbenzene	91		12.286					ND	7
132 2-Chlorotoluene	126		12.365					ND	
133 1,3,5-Trimethylbenzene	105		12.426					ND	7
134 4-Chlorotoluene	126		12.457					ND	
135 tert-Butylbenzene	134		12.664					ND	
136 Pentachloroethane	167		12.700					ND	
137 1,2,4-Trimethylbenzene	105		12.707					ND	7
138 sec-Butylbenzene	105		12.828					ND	7
139 1,3-Dichlorobenzene	146		12.932					ND	7
140 4-Isopropyltoluene	119		12.938					ND	7
* 141 1,4-Dichlorobenzene-d4	152	12.987	12.987	0.000	95	766595	10.0	10.0	
142 1,4-Dichlorobenzene	146		13.005					ND	7
143 1,2,3-Trimethylbenzene	120		13.011					ND	7
144 Benzyl chloride	126		13.078					ND	
145 p-Diethylbenzene	119		13.139					ND	U
146 n-Butylbenzene	92		13.231					ND	7
147 1,2-Dichlorobenzene	146		13.261					ND	
148 Hexachloroethane	201		13.682					ND	
149 1,2-Dibromo-3-Chloropropane	155		13.804					ND	
150 1,3,5-Trichlorobenzene	180		13.932					ND	7
151 1,2,4-Trichlorobenzene	180		14.353					ND	7
152 Hexachlorobutadiene	225	14.432	14.438	-0.006	84	1229		0.0538	
153 Naphthalene	128		14.535					ND	7
154 1,2,3-Trichlorobenzene	180	14.682	14.676	0.006	90	1645		0.0340	
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

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_LLcentISS_00007

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19094\20230509-83587.b\HY09X06.D

Injection Date: 09-May-2023 19:44:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

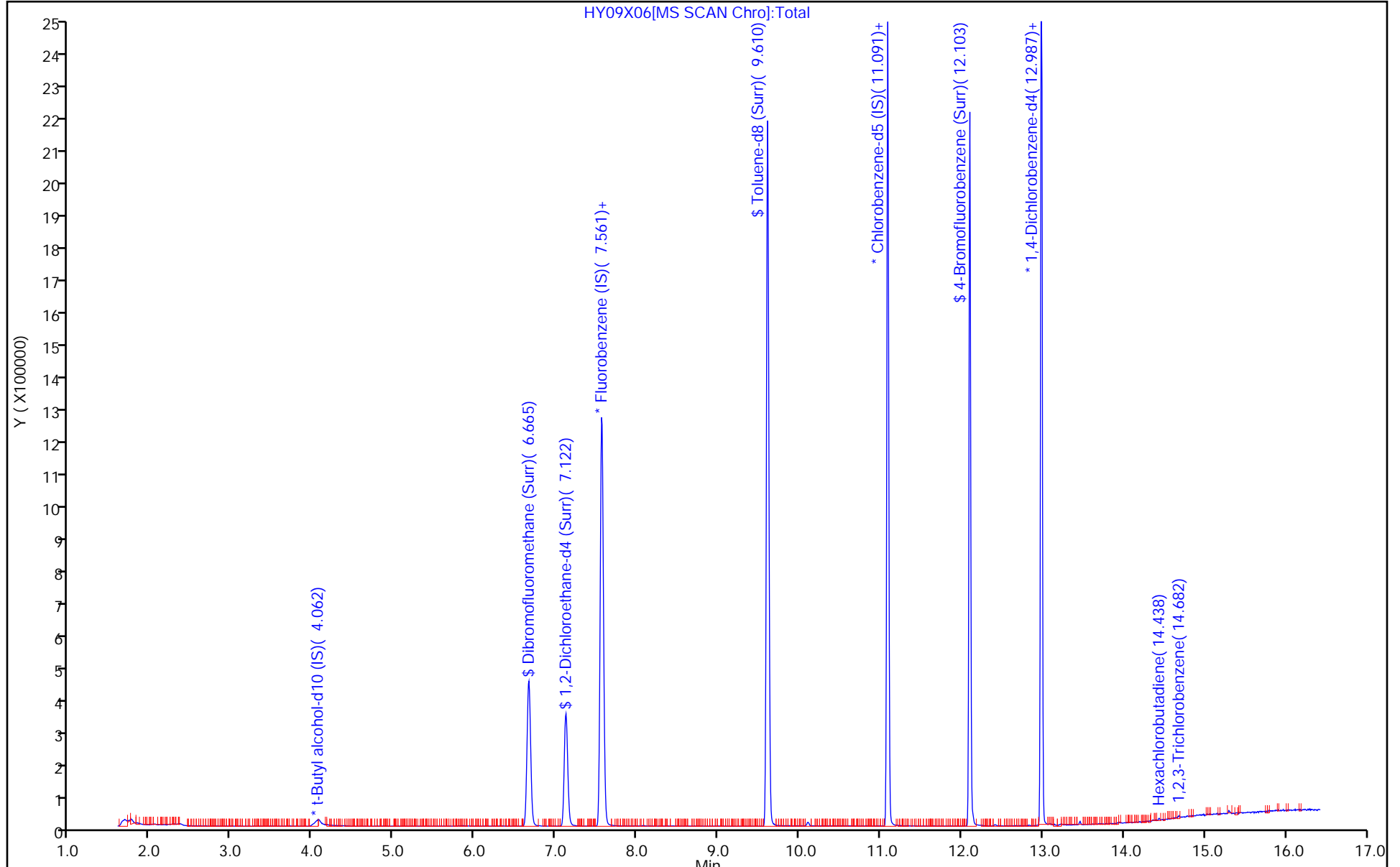
ALS Bottle#: 6

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\20230509-83587.b\HY09X06.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 09-May-2023 19:44:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083587-007
 Misc. Info.: MB
 Operator ID: gaw91131 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20230509-83587.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-May-2023 12:46:48 Calib Date: 19-Apr-2023 23:41:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1661

First Level Reviewer: JS6E

Date: 09-May-2023 20:16:32

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.5	105.41
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.7	107.46
\$ 83 Toluene-d8 (Surr)	10.0	9.40	93.97
\$ 126 4-Bromofluorobenzene (Surr)	10.0	9.85	98.53

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-371870/4

Matrix: Water

Lab File ID: CY03X02.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 05/03/2023 21:10

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.: 371870

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.22		0.50	0.070
71-55-6	1,1,1-Trichloroethane	4.47		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.35		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.02		0.50	0.080
75-34-3	1,1-Dichloroethane	4.31		0.50	0.10
75-35-4	1,1-Dichloroethene	4.46		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.15		0.50	0.080
107-06-2	1,2-Dichloroethane	4.15		0.50	0.070
78-87-5	1,2-Dichloropropane	4.40		0.50	0.10
78-93-3	2-Butanone (MEK)	62.3		5.0	1.0
591-78-6	2-Hexanone	61.7		5.0	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	59.1		5.0	1.0
67-64-1	Acetone	65.7		5.0	1.0
71-43-2	Benzene	4.50		0.50	0.10
74-97-5	Bromochloromethane	4.53		0.50	0.080
75-27-4	Bromodichloromethane	4.28		0.50	0.080
75-25-2	Bromoform	4.73		1.0	0.30
74-83-9	Bromomethane	3.64		0.50	0.10
75-15-0	Carbon disulfide	4.27		1.0	0.10
56-23-5	Carbon tetrachloride	4.47		0.50	0.10
108-90-7	Chlorobenzene	5.02		0.50	0.070
75-00-3	Chloroethane	3.80		0.50	0.10
67-66-3	Chloroform	4.36		0.50	0.090
74-87-3	Chloromethane	3.73		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	4.64		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.22		0.50	0.10
124-48-1	Dibromochloromethane	4.96		0.50	0.080
100-41-4	Ethylbenzene	5.20		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.31		0.50	0.080
75-09-2	Methylene Chloride	4.51		0.50	0.10
100-42-5	Styrene	5.25		0.50	0.070
127-18-4	Tetrachloroethene	4.99		0.50	0.20
108-88-3	Toluene	5.14		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-124489-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 410-371870/4

Matrix: Water Lab File ID: CY03X02.D

Analysis Method: 8260D Date Collected: _____

Sample wt/vol: 25 (mL) Date Analyzed: 05/03/2023 21:10

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.: 371870 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	4.38		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.10		0.50	0.080
79-01-6	Trichloroethene	4.36		0.50	0.080
75-01-4	Vinyl chloride	3.58		0.50	0.10
1330-20-7	Xylenes, Total	15.6		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
2037-26-5	Toluene-d8 (Surr)	109		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X02.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 03-May-2023 21:10:30 ALS Bottle#: 2 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-003
 Misc. Info.: CCVIS
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:17:49 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: JS6E

Date: 03-May-2023 21:59:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.721	1.715	0.006	99	267762	5.00	3.44	M
5 Chloromethane	50	1.892	1.892	0.000	99	340351	5.00	3.73	
6 Vinyl chloride	62	1.989	1.983	0.006	97	312077	5.00	3.58	
7 Butadiene	39	2.001	1.995	0.006	91	468617	5.00	5.78	
9 Bromomethane	94	2.276	2.270	0.006	91	215917	5.00	3.64	
10 Chloroethane	64	2.331	2.331	0.000	100	194828	5.00	3.80	
11 Dichlorofluoromethane	67	2.550	2.544	0.006	97	486506	5.00	4.03	
13 Pentane	43	2.605	2.599	0.006	97	395530	5.00	4.61	
12 Trichlorofluoromethane	101	2.605	2.605	0.000	97	364013	5.00	3.49	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.873	2.873	0.000	93	303269	5.00	4.09	
18 1,1-Dichloroethene	96	3.044	3.038	0.006	98	234299	5.00	4.46	
20 Acetone	43	3.080	3.074	0.006	100	511317	62.5	65.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.093	3.087	0.006	92	234092	5.00	4.39	
22 Iodomethane	142	3.209	3.202	0.006	98	472002	5.00	4.31	
23 Ethyl bromide	108	3.227	3.227	0.000	98	163320	4.93	3.09	
24 Isopropyl alcohol	45	3.233	3.233	0.000	33	65755	37.5	43.6	
25 Carbon disulfide	76	3.300	3.294	0.006	99	779583	5.00	4.27	
26 Methyl acetate	43	3.434	3.416	0.018	87	123879	5.00	4.96	
29 3-Chloro-1-propene	41	3.440	3.434	0.006	91	405835	5.00	4.30	
30 Methylene Chloride	84	3.599	3.593	0.006	91	283800	5.00	4.51	
* 31 t-Butyl alcohol-d10 (IS)	65	3.641	3.629	0.012	97	163364	50.0	50.0	
32 2-Methyl-2-propanol	59	3.745	3.745	0.000	99	184673	50.0	59.0	
33 Acrylonitrile	53	3.903	3.897	0.006	99	277133	25.0	24.6	
34 Methyl tert-butyl ether	73	3.952	3.940	0.012	94	783085	5.00	4.31	
35 trans-1,2-Dichloroethene	96	3.952	3.946	0.006	99	281416	5.00	4.38	
36 Hexane	57	4.336	4.330	0.006	92	366488	5.00	4.49	
37 1,1-Dichloroethane	63	4.580	4.574	0.006	96	501124	5.00	4.31	
39 Isopropyl ether	45	4.647	4.641	0.006	93	913435	5.00	4.33	
40 2-Chloro-1,3-butadiene	53	4.696	4.690	0.006	90	416475	5.00	4.42	
41 Tert-butyl ethyl ether	59	5.196	5.196	0.000	98	935277	5.00	4.40	
42 2-Butanone (MEK)	43	5.409	5.409	0.000	99	960881	62.5	62.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
43 cis-1,2-Dichloroethene	96	5.440	5.434	0.006	82	325551	5.00	4.64	
44 2,2-Dichloropropane	77	5.446	5.446	0.000	65	452453	5.00	4.40	
45 Propionitrile	54	5.531	5.513	0.018	98	135919	37.5	40.3	
47 Methacrylonitrile	67	5.720	5.720	0.000	91	603206	37.5	36.4	
48 Chlorobromomethane	128	5.775	5.769	0.006	91	147947	5.00	4.53	
49 Tetrahydrofuran	71	5.793	5.793	0.000	78	113731	25.0	23.1	
50 Chloroform	83	5.934	5.934	0.000	93	507118	5.00	4.36	
53 1,1,1-Trichloroethane	97	6.159	6.153	0.006	96	457706	5.00	4.47	
\$ 54 Dibromofluoromethane (Surr)	113	6.159	6.153	0.006	94	511452	10.0	9.46	
55 Cyclohexane	56	6.251	6.245	0.006	90	468697	5.00	4.50	
56 Carbon tetrachloride	117	6.366	6.366	0.000	97	392102	5.00	4.47	
57 1,1-Dichloropropene	75	6.379	6.373	0.006	97	399045	5.00	4.60	
58 Isobutyl alcohol	41	6.616	6.598	0.018	79	109724	125.0	138.7	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.616	6.610	0.006	98	103724	10.0	9.74	
60 Benzene	78	6.641	6.641	0.000	97	1193048	5.00	4.50	
61 1,2-Dichloroethane	62	6.720	6.720	0.000	98	318284	5.00	4.15	
64 Tert-amyl methyl ether	73	6.854	6.854	0.000	98	868580	5.00	4.43	
* 65 Fluorobenzene (IS)	96	7.061	7.061	0.000	98	2075626	10.0	10.0	
66 n-Heptane	43	7.080	7.080	0.000	91	393704	5.00	4.62	
67 n-Butanol	56	7.555	7.525	0.030	36	187780	250.0	265.8	
68 Trichloroethene	95	7.555	7.555	0.000	98	306599	5.00	4.36	
69 Methylcyclohexane	83	7.854	7.854	0.000	90	510139	5.00	4.52	
70 1,2-Dichloropropane	63	7.891	7.891	0.000	97	306601	5.00	4.40	
71 2-ethoxy-2-methyl butane	87	7.921	7.915	0.006	93	482721	5.00	4.32	
72 Dibromomethane	93	8.006	8.006	0.000	95	151007	5.00	4.39	
73 Methyl methacrylate	69	8.012	8.006	0.006	91	145966	5.00	4.49	
74 1,4-Dioxane	88	8.019	8.006	0.013	31	32267	125.0	186.4	
76 Dichlorobromomethane	83	8.256	8.250	0.006	99	376138	5.00	4.28	
77 2-Nitropropane	41	8.543	8.537	0.006	98	45786	5.00	4.40	
78 1-Bromo-2-chloroethane	63	8.653	8.647	0.006	99	314955	5.00	4.31	
80 cis-1,3-Dichloropropene	75	8.829	8.829	0.000	96	455396	5.00	4.22	
82 4-Methyl-2-pentanone (MIBK)	43	9.037	9.037	0.000	96	2528514	62.5	59.1	
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	93	2152027	10.0	10.9	
84 Toluene	92	9.250	9.250	0.000	98	782564	5.00	5.14	
85 trans-1,3-Dichloropropene	75	9.555	9.555	0.000	93	387926	5.00	5.10	
86 Ethyl methacrylate	69	9.640	9.634	0.006	89	319707	5.00	5.19	
87 1,1,2-Trichloroethane	97	9.768	9.768	0.000	91	226911	5.00	5.02	
88 Tetrachloroethene	166	9.854	9.854	0.000	98	358627	5.00	4.99	
89 1,3-Dichloropropane	76	9.945	9.939	0.006	91	380502	5.00	5.22	
106 2-Hexanone	43	10.018	10.018	0.000	95	1720501	62.5	61.7	
108 Chlorodibromomethane	129	10.171	10.171	0.000	90	282470	5.00	4.96	
110 Ethylene Dibromide	107	10.280	10.280	0.000	98	219516	5.00	5.15	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.744	0.000	85	1651828	10.0	10.0	
112 1-Chlorohexane	91	10.768	10.762	0.006	98	418887	5.00	4.83	
113 Chlorobenzene	112	10.768	10.768	0.000	96	908977	5.00	5.02	
114 1,1,1,2-Tetrachloroethane	131	10.859	10.860	-0.001	96	328399	5.00	5.22	
115 Ethylbenzene	91	10.866	10.866	0.000	98	1526434	5.00	5.20	
116 m-Xylene & p-Xylene	106	10.987	10.988	-0.001	97	1235065	10.0	10.4	
118 o-Xylene	106	11.329	11.329	0.000	97	605931	5.00	5.15	
119 Styrene	104	11.353	11.347	0.006	95	1009305	5.00	5.25	
120 Bromoform	173	11.506	11.506	0.000	98	169858	5.00	4.73	
121 Isopropylbenzene	105	11.646	11.646	0.000	95	1597129	5.00	5.29	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	93	819596	10.0	9.72	
125 Bromobenzene	156	11.908	11.908	0.000	93	413686	5.00	5.35	
126 1,1,2,2-Tetrachloroethane	83	11.908	11.908	0.000	93	300612	5.00	5.35	
127 trans-1,4-Dichloro-2-butene	53	11.939	11.932	0.006	87	211374	25.0	15.7	
128 1,2,3-Trichloropropane	110	11.951	11.951	0.000	81	79418	5.00	5.38	
129 N-Propylbenzene	91	11.987	11.987	0.000	99	1835849	5.00	5.33	
130 2-Chlorotoluene	126	12.060	12.061	0.000	97	388445	5.00	5.22	
131 1,3,5-Trimethylbenzene	105	12.127	12.128	-0.001	94	1365505	5.00	5.28	
132 4-Chlorotoluene	126	12.158	12.158	0.000	97	407803	5.00	5.31	
133 tert-Butylbenzene	134	12.371	12.378	-0.007	93	291546	5.00	4.91	
135 1,2,4-Trimethylbenzene	105	12.420	12.420	0.000	97	1396853	5.00	5.24	
136 sec-Butylbenzene	105	12.542	12.542	0.000	94	1761636	5.00	5.38	
137 1,3-Dichlorobenzene	146	12.640	12.640	0.000	99	796225	5.00	5.30	
138 4-Isopropyltoluene	119	12.658	12.658	0.000	97	1568064	5.00	5.36	
* 139 1,4-Dichlorobenzene-d4	152	12.701	12.695	0.006	94	1003286	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.719	12.713	0.006	95	838471	5.00	5.54	
141 1,2,3-Trimethylbenzene	120	12.731	12.731	0.000	98	631103	5.00	5.11	
142 Benzyl chloride	126	12.804	12.798	0.006	98	130100	5.00	5.69	
143 n-Butylbenzene	92	12.957	12.951	0.006	97	753450	5.00	5.53	
144 1,2-Dichlorobenzene	146	12.981	12.981	0.000	99	760422	5.00	5.42	
145 p-Diethylbenzene	119	13.005	13.005	0.000	86	783214	5.00	4.35	
148 1,2-Dibromo-3-Chloropropane	155	13.542	13.542	0.000	88	42767	5.00	5.64	
149 1,3,5-Trichlorobenzene	180	13.664	13.664	0.000	98	649449	5.00	5.51	
150 1,2,4-Trichlorobenzene	180	14.097	14.091	0.006	94	531073	5.00	5.90	
151 Hexachlorobutadiene	225	14.176	14.176	0.000	96	296768	5.00	5.60	
152 Naphthalene	128	14.273	14.273	0.000	97	881487	5.00	6.11	
153 1,2,3-Trichlorobenzene	180	14.420	14.420	0.000	96	417201	5.00	5.86	
154 2-Methylnaphthalene	142	15.023	15.017	0.006	95	366298	5.00	5.18	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00107

Amount Added: 12.50

Units: uL

LCS_ETBR_00005

Amount Added: 12.50

Units: uL

MSV_QC_Gas826_00137

Amount Added: 12.50

Units: uL

MSV_HP25_ISSS_00069

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X02.D

Injection Date: 03-May-2023 21:10:30

Instrument ID: 10193

Operator ID: gaw91131

Lims ID: LCS

Worklist Smp#: 4

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

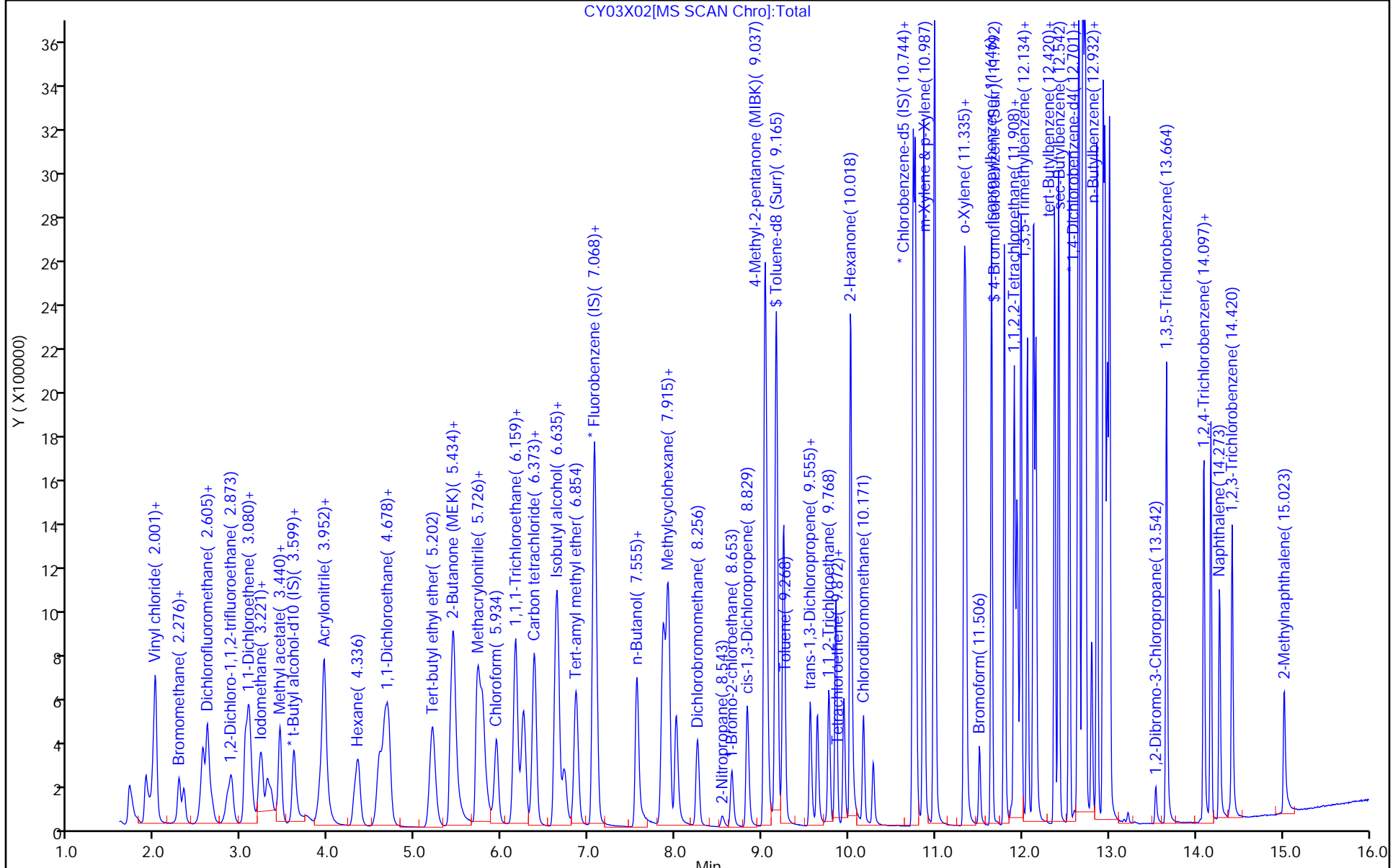
ALS Bottle#: 2

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X02.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 03-May-2023 21:10:30 ALS Bottle#: 2 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-003
 Misc. Info.: CCVIS
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:17:49 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: JS6E Date: 03-May-2023 21:59:05

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	9.46	94.61
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.74	97.36
\$ 83 Toluene-d8 (Surr)	10.0	10.9	109.08
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.72	97.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-372041/4

Matrix: Water

Lab File ID: CY04X03.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 09:38

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 372041

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.21		0.50	0.070
71-55-6	1,1,1-Trichloroethane	4.64		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.55		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.19		0.50	0.080
75-34-3	1,1-Dichloroethane	4.55		0.50	0.10
75-35-4	1,1-Dichloroethene	4.82		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.13		0.50	0.080
107-06-2	1,2-Dichloroethane	4.28		0.50	0.070
78-87-5	1,2-Dichloropropane	4.59		0.50	0.10
78-93-3	2-Butanone (MEK)	62.9		5.0	1.0
591-78-6	2-Hexanone	64.8		5.0	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	63.2		5.0	1.0
67-64-1	Acetone	61.7		5.0	1.0
71-43-2	Benzene	4.73		0.50	0.10
74-97-5	Bromochloromethane	4.59		0.50	0.080
75-27-4	Bromodichloromethane	4.44		0.50	0.080
75-25-2	Bromoform	4.72		1.0	0.30
74-83-9	Bromomethane	3.63		0.50	0.10
75-15-0	Carbon disulfide	4.63		1.0	0.10
56-23-5	Carbon tetrachloride	4.72		0.50	0.10
108-90-7	Chlorobenzene	5.18		0.50	0.070
75-00-3	Chloroethane	3.85		0.50	0.10
67-66-3	Chloroform	4.53		0.50	0.090
74-87-3	Chloromethane	3.68		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	4.76		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.40		0.50	0.10
124-48-1	Dibromochloromethane	4.99		0.50	0.080
100-41-4	Ethylbenzene	5.38		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.45		0.50	0.080
75-09-2	Methylene Chloride	4.67		0.50	0.10
100-42-5	Styrene	5.35		0.50	0.070
127-18-4	Tetrachloroethene	5.10		0.50	0.20
108-88-3	Toluene	5.40		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-372041/4

Matrix: Water

Lab File ID: CY04X03.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 09:38

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 372041

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	4.65		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.25		0.50	0.080
79-01-6	Trichloroethene	4.57		0.50	0.080
75-01-4	Vinyl chloride	3.72		0.50	0.10
1330-20-7	Xylenes, Total	16.1		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	94		80-120
2037-26-5	Toluene-d8 (Surr)	109		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X03.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 04-May-2023 09:38:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083176-004
 Misc. Info.: LCS
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-May-2023 12:38:57 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1661

First Level Reviewer: DVW2

Date: 04-May-2023 10:04:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.733	1.733	0.000	99	234358	5.00	3.05	
5 Chloromethane	50	1.898	1.898	0.000	99	331948	5.00	3.68	
6 Vinyl chloride	62	1.995	1.995	0.000	98	320190	5.00	3.72	
7 Butadiene	39	2.008	2.008	0.000	93	416540	5.00	5.20	
9 Bromomethane	94	2.282	2.282	0.000	91	213204	5.00	3.63	
10 Chloroethane	64	2.337	2.337	0.000	100	194955	5.00	3.85	
11 Dichlorofluoromethane	67	2.556	2.556	0.000	97	486556	5.00	4.08	
13 Pentane	43	2.611	2.605	0.006	96	436065	5.00	5.15	
12 Trichlorofluoromethane	101	2.611	2.617	-0.006	96	362619	5.00	3.52	
16 1,2-Dichloro-1,1,2-trifluoroethane	67	2.873	2.879	-0.006	94	314558	5.00	4.29	
18 1,1-Dichloroethene	96	3.056	3.050	0.006	97	250346	5.00	4.82	
20 Acetone	43	3.081	3.080	0.001	93	462821	62.5	61.7	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.099	3.093	0.006	93	242731	5.00	4.61	
24 Isopropyl alcohol	45	3.233	3.209	0.025	31	51775	37.5	35.6	
22 Iodomethane	142	3.215	3.215	0.000	98	483039	5.00	4.46	
25 Carbon disulfide	76	3.306	3.306	0.000	99	834982	5.00	4.63	
26 Methyl acetate	43	3.440	3.434	0.006	98	119902	5.00	4.98	
29 3-Chloro-1-propene	41	3.446	3.446	0.000	95	436144	5.00	4.68	
30 Methylene Chloride	84	3.605	3.605	0.000	92	289966	5.00	4.67	
* 31 t-Butyl alcohol-d10 (IS)	65	3.660	3.660	0.000	96	157470	50.0	50.0	
32 2-Methyl-2-propanol	59	3.757	3.757	0.000	100	118983	50.0	39.4	
33 Acrylonitrile	53	3.916	3.903	0.013	98	265095	25.0	24.4	
34 Methyl tert-butyl ether	73	3.952	3.952	0.000	95	798778	5.00	4.45	
35 trans-1,2-Dichloroethene	96	3.958	3.952	0.006	98	295224	5.00	4.65	
36 Hexane	57	4.343	4.342	0.001	93	395725	5.00	4.91	
37 1,1-Dichloroethane	63	4.586	4.586	0.000	96	522401	5.00	4.55	
39 Isopropyl ether	45	4.660	4.659	0.001	94	936642	5.00	4.49	
40 2-Chloro-1,3-butadiene	53	4.702	4.696	0.006	91	442207	5.00	4.75	
41 Tert-butyl ethyl ether	59	5.208	5.202	0.006	98	946987	5.00	4.50	
42 2-Butanone (MEK)	43	5.415	5.415	0.000	99	935687	62.5	62.9	
43 cis-1,2-Dichloroethene	96	5.446	5.446	0.000	83	330370	5.00	4.76	

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	5.452	5.458	-0.006	85	477552	5.00	4.70	
45 Propionitrile	54	5.525	5.513	0.012	96	143301	37.5	44.1	
47 Methacrylonitrile	67	5.720	5.714	0.006	94	607168	37.5	38.0	
48 Chlorobromomethane	128	5.781	5.781	0.000	94	148323	5.00	4.59	
49 Tetrahydrofuran	71	5.787	5.787	0.000	78	114429	25.0	24.1	
50 Chloroform	83	5.940	5.940	0.000	94	520534	5.00	4.53	
53 1,1,1-Trichloroethane	97	6.159	6.159	0.000	98	469912	5.00	4.64	
\$ 54 Dibromofluoromethane (Surr)	113	6.165	6.165	0.000	93	502081	10.0	9.40	
55 Cyclohexane	56	6.257	6.251	0.006	91	489694	5.00	4.76	
56 Carbon tetrachloride	117	6.373	6.373	0.000	97	408874	5.00	4.72	
57 1,1-Dichloropropene	75	6.379	6.379	0.000	97	419714	5.00	4.89	
58 Isobutyl alcohol	41	6.629	6.610	0.019	73	83965	125.0	110.1	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.623	6.616	0.007	99	103569	10.0	9.84	
60 Benzene	78	6.647	6.647	0.000	97	1240329	5.00	4.73	
61 1,2-Dichloroethane	62	6.720	6.720	0.000	97	323837	5.00	4.28	
64 Tert-amyl methyl ether	73	6.854	6.860	-0.006	99	881036	5.00	4.54	
* 65 Fluorobenzene (IS)	96	7.062	7.061	0.001	98	2051410	10.0	10.0	
66 n-Heptane	43	7.080	7.086	-0.006	91	430263	5.00	5.11	
67 n-Butanol	56	7.580	7.531	0.049	38	132894	250.0	206.1	
68 Trichloroethene	95	7.555	7.555	0.000	98	317867	5.00	4.57	
69 Methylcyclohexane	83	7.860	7.860	0.000	91	533304	5.00	4.78	
70 1,2-Dichloropropane	63	7.891	7.891	0.000	97	315644	5.00	4.59	
71 2-ethoxy-2-methyl butane	87	7.921	7.927	-0.006	93	495241	5.00	4.49	
72 Dibromomethane	93	8.006	8.006	0.000	95	152662	5.00	4.49	
73 Methyl methacrylate	69	8.013	8.006	0.007	91	153781	5.00	4.90	
74 1,4-Dioxane	88	8.037	8.006	0.031	29	26874	125.0	161.1	
76 Dichlorobromomethane	83	8.256	8.256	0.000	99	385552	5.00	4.44	
77 2-Nitropropane	41	8.543	8.543	0.000	98	45539	5.00	4.54	
78 1-Bromo-2-chloroethane	63	8.653	8.646	0.007	99	315844	5.00	4.37	
80 cis-1,3-Dichloropropene	75	8.829	8.829	0.000	96	469205	5.00	4.40	
82 4-Methyl-2-pentanone (MIBK)	43	9.037	9.037	0.000	96	2604668	62.5	63.2	
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	93	2128751	10.0	10.9	
84 Toluene	92	9.250	9.250	0.000	98	815952	5.00	5.40	
85 trans-1,3-Dichloropropene	75	9.555	9.555	0.000	93	396433	5.00	5.25	
86 Ethyl methacrylate	69	9.640	9.640	0.000	89	325636	5.00	5.32	
87 1,1,2-Trichloroethane	97	9.768	9.774	-0.006	90	233082	5.00	5.19	
88 Tetrachloroethene	166	9.854	9.854	0.000	97	363662	5.00	5.10	
89 1,3-Dichloropropane	76	9.945	9.945	0.000	91	392514	5.00	5.42	
106 2-Hexanone	43	10.018	10.018	0.000	96	1741688	62.5	64.8	
108 Chlorodibromomethane	129	10.171	10.171	0.000	90	282545	5.00	4.99	
110 Ethylene Dibromide	107	10.280	10.280	0.000	99	216972	5.00	5.13	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.744	0.000	85	1640651	10.0	10.0	
112 1-Chlorohexane	91	10.768	10.768	0.000	98	439953	5.00	5.10	
113 Chlorobenzene	112	10.774	10.774	0.000	96	931989	5.00	5.18	
114 1,1,1,2-Tetrachloroethane	131	10.860	10.859	0.001	97	325513	5.00	5.21	
115 Ethylbenzene	91	10.866	10.866	0.000	98	1568645	5.00	5.38	
116 m-Xylene & p-Xylene	106	10.988	10.987	0.001	97	1272386	10.0	10.8	
118 o-Xylene	106	11.329	11.335	-0.006	97	622283	5.00	5.32	
119 Styrene	104	11.353	11.353	0.000	95	1021064	5.00	5.35	
120 Bromoform	173	11.506	11.506	0.000	97	168368	5.00	4.72	
121 Isopropylbenzene	105	11.646	11.646	0.000	95	1643263	5.00	5.48	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	93	820431	10.0	9.80	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
125 Bromobenzene	156	11.908	11.908	0.000	92	414396	5.00	5.56	
126 1,1,2,2-Tetrachloroethane	83	11.908	11.908	0.000	91	300279	5.00	5.55	
127 trans-1,4-Dichloro-2-butene	53	11.939	11.932	0.007	87	275760	25.0	21.2	
128 1,2,3-Trichloropropane	110	11.951	11.951	0.000	80	80068	5.00	5.63	
129 N-Propylbenzene	91	11.987	11.987	0.000	99	1898174	5.00	5.72	
130 2-Chlorotoluene	126	12.061	12.060	0.001	97	394474	5.00	5.50	
131 1,3,5-Trimethylbenzene	105	12.128	12.134	-0.006	94	1398558	5.00	5.62	
132 4-Chlorotoluene	126	12.158	12.158	0.000	97	405409	5.00	5.48	
133 tert-Butylbenzene	134	12.371	12.377	-0.006	93	296010	5.00	5.18	
135 1,2,4-Trimethylbenzene	105	12.420	12.420	0.000	97	1420339	5.00	5.53	
136 sec-Butylbenzene	105	12.542	12.542	0.000	94	1807244	5.00	5.73	
137 1,3-Dichlorobenzene	146	12.640	12.640	0.000	98	794568	5.00	5.49	
138 4-Isopropyltoluene	119	12.658	12.658	0.000	97	1592878	5.00	5.65	
* 139 1,4-Dichlorobenzene-d4	152	12.701	12.701	0.000	93	966440	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.719	12.719	0.000	95	840418	5.00	5.77	
141 1,2,3-Trimethylbenzene	120	12.731	12.731	0.000	98	640314	5.00	5.38	
142 Benzyl chloride	126	12.804	12.798	0.006	98	127779	5.00	5.81	
145 p-Diethylbenzene	119	12.932	12.932	0.000	94	997612	5.00	5.75	
143 n-Butylbenzene	92	12.951	12.957	-0.006	97	769730	5.00	5.87	
144 1,2-Dichlorobenzene	146	12.981	12.981	0.000	99	741590	5.00	5.49	
148 1,2-Dibromo-3-Chloropropane	155	13.542	13.542	0.000	87	39068	5.00	5.35	
149 1,3,5-Trichlorobenzene	180	13.664	13.664	0.000	98	639990	5.00	5.63	
150 1,2,4-Trichlorobenzene	180	14.097	14.091	0.006	94	523873	5.00	6.04	
151 Hexachlorobutadiene	225	14.176	14.176	0.000	96	297553	5.00	5.83	
152 Naphthalene	128	14.274	14.273	0.001	96	854914	5.00	6.15	M
153 1,2,3-Trichlorobenzene	180	14.420	14.420	0.000	96	418455	5.00	6.10	
154 2-Methylnaphthalene	142	15.023	15.017	0.006	92	369437	5.00	5.41	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00107

Amount Added: 12.50

Units: uL

MSV_QC_Gas826_00137

Amount Added: 12.50

Units: uL

MSV_HP25_ISSS_00067

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X03.D

Injection Date: 04-May-2023 09:38:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: LCS

Worklist Smp#: 4

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

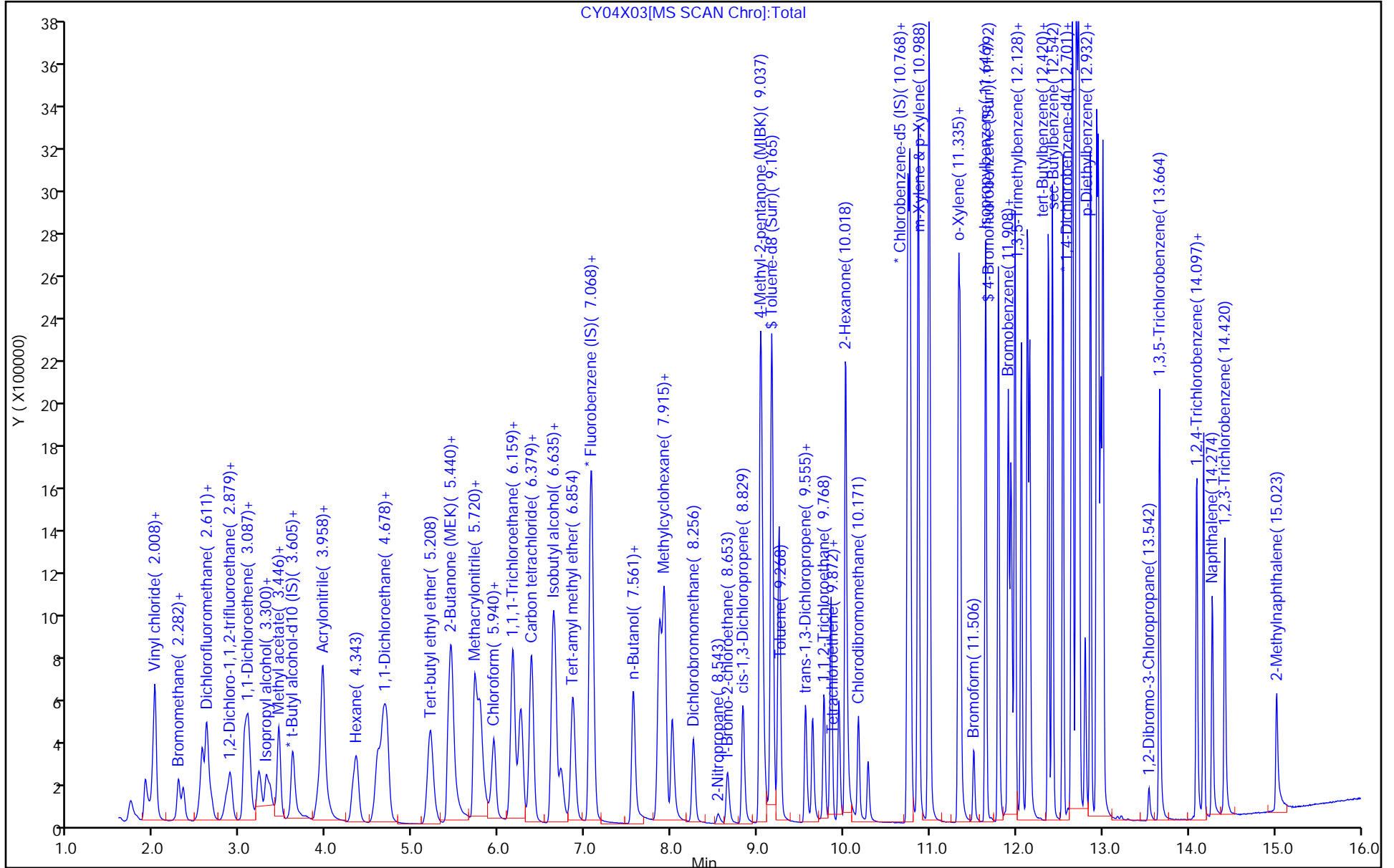
ALS Bottle#: 3

Method: MSV_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\20230504-83176.b\CY04X03.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 04-May-2023 09:38:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083176-004
 Misc. Info.: LCS
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-May-2023 12:38:57 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1661

First Level Reviewer: DVW2

Date: 04-May-2023 10:04:26

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	9.40	93.98
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.84	98.36
\$ 83 Toluene-d8 (Surr)	10.0	10.9	108.63
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.80	97.96

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-372381/4

Matrix: Water

Lab File ID: IY04X33.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 21:38

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 372381

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.42		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.45		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.62		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.57		0.50	0.080
75-34-3	1,1-Dichloroethane	5.17		0.50	0.10
75-35-4	1,1-Dichloroethene	5.35		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.54		0.50	0.080
107-06-2	1,2-Dichloroethane	5.15		0.50	0.070
78-87-5	1,2-Dichloropropane	5.51		0.50	0.10
78-93-3	2-Butanone (MEK)	58.6		5.0	1.0
591-78-6	2-Hexanone	54.4		5.0	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	52.3		5.0	1.0
67-64-1	Acetone	55.7		5.0	1.0
71-43-2	Benzene	5.50		0.50	0.10
74-97-5	Bromochloromethane	5.45		0.50	0.080
75-27-4	Bromodichloromethane	5.29		0.50	0.080
75-25-2	Bromoform	4.41		1.0	0.30
74-83-9	Bromomethane	4.17		0.50	0.10
75-15-0	Carbon disulfide	4.98		1.0	0.10
56-23-5	Carbon tetrachloride	5.32		0.50	0.10
108-90-7	Chlorobenzene	5.38		0.50	0.070
75-00-3	Chloroethane	4.45		0.50	0.10
67-66-3	Chloroform	5.44		0.50	0.090
74-87-3	Chloromethane	4.22		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.52		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.73		0.50	0.10
124-48-1	Dibromochloromethane	4.95		0.50	0.080
100-41-4	Ethylbenzene	5.48		0.50	0.080
1634-04-4	Methyl tert-butyl ether	5.60		0.50	0.080
75-09-2	Methylene Chloride	5.40		0.50	0.10
100-42-5	Styrene	5.56		0.50	0.070
127-18-4	Tetrachloroethene	5.09		0.50	0.20
108-88-3	Toluene	5.46		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-124489-1
 Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 410-372381/4

Matrix: Water Lab File ID: IY04X33.D

Analysis Method: 8260D Date Collected: _____

Sample wt/vol: 25 (mL) Date Analyzed: 05/04/2023 21:38

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 25.0 (mL) Heated Purge: (Y/N) N pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 372381 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	5.25		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.06		0.50	0.080
79-01-6	Trichloroethene	5.23		0.50	0.080
75-01-4	Vinyl chloride	4.31		0.50	0.10
1330-20-7	Xylenes, Total	16.5		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\IY04X33.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 04-May-2023 21:38:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083257-004
 Misc. Info.: LCS
 Operator ID: MEC29284 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 08-May-2023 10:46:39 Calib Date: 21-Mar-2023 06:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1614

First Level Reviewer: K4WN

Date: 04-May-2023 22:26:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.898	1.892	0.006	99	318039	5.00	3.94	
4 Chloromethane	50	2.099	2.087	0.012	99	369286	5.00	4.22	
6 Butadiene	39	2.209	2.196	0.013	93	586806	5.00	7.52	
5 Vinyl chloride	62	2.209	2.196	0.013	98	368037	5.00	4.31	
7 Bromomethane	94	2.538	2.526	0.012	91	275586	5.00	4.17	
8 Chloroethane	64	2.605	2.599	0.006	99	230809	5.00	4.45	
9 Dichlorofluoromethane	67	2.843	2.830	0.013	97	630547	5.00	4.54	
10 Trichlorofluoromethane	101	2.910	2.904	0.006	97	517849	5.00	3.76	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.221	3.221	0.000	92	374424	5.00	4.86	
15 1,1-Dichloroethene	96	3.440	3.428	0.012	98	298523	5.00	5.35	
16 Acetone	43	3.464	3.452	0.012	100	531933	62.5	55.7	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.483	3.470	0.013	91	328114	5.00	5.17	
18 Iodomethane	142	3.629	3.617	0.012	100	572258	5.00	4.73	
20 Carbon disulfide	76	3.733	3.727	0.006	100	778366	5.00	4.98	
23 Methyl acetate	43	3.873	3.867	0.006	97	147089	5.00	4.30	
24 3-Chloro-1-propene	41	3.897	3.885	0.012	89	438178	5.00	4.67	
25 Methylene Chloride	84	4.080	4.068	0.012	92	320066	5.00	5.40	
* 26 t-Butyl alcohol-d10 (IS)	65	4.153	4.104	0.049	98	149101	50.0	50.0	M
27 2-Methyl-2-propanol	59	4.269	4.239	0.030	99	180913	50.0	58.2	
28 Acrylonitrile	53	4.422	4.391	0.031	99	285069	25.0	24.5	
29 Methyl tert-butyl ether	73	4.476	4.470	0.006	96	803747	5.00	5.60	
30 trans-1,2-Dichloroethene	96	4.489	4.476	0.013	99	329292	5.00	5.25	
31 Hexane	57	4.915	4.903	0.012	94	427492	5.00	5.16	
32 1,1-Dichloroethane	63	5.147	5.141	0.006	96	589158	5.00	5.17	
35 Isopropyl ether	45	5.208	5.202	0.006	91	937363	5.00	4.93	
36 2-Chloro-1,3-butadiene	53	5.257	5.251	0.006	93	488543	5.00	5.07	
37 Tert-butyl ethyl ether	59	5.751	5.738	0.013	97	925940	5.00	7.02	
38 2-Butanone (MEK)	43	5.946	5.933	0.013	99	1034087	62.5	58.6	
39 cis-1,2-Dichloroethene	96	5.982	5.976	0.006	82	378450	5.00	5.52	
40 2,2-Dichloropropane	77	6.000	5.994	0.006	91	574489	5.00	5.55	
43 Propionitrile	54	6.037	6.031	0.006	97	161290	37.5	39.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
45 Methacrylonitrile	67	6.244	6.232	0.012	90	622914	37.5	33.1	
46 Chlorobromomethane	128	6.311	6.305	0.006	90	174130	5.00	5.45	
47 Tetrahydrofuran	71	6.330	6.324	0.006	78	119875	25.0	22.1	
48 Chloroform	83	6.464	6.458	0.006	94	635850	5.00	5.44	
\$ 49 Dibromofluoromethane (Surr)	113	6.677	6.671	0.006	94	580509	10.0	10.1	
50 1,1,1-Trichloroethane	97	6.695	6.683	0.012	98	602781	5.00	5.45	
51 Cyclohexane	56	6.793	6.787	0.006	91	536482	5.00	5.10	
54 Carbon tetrachloride	117	6.903	6.897	0.006	96	543991	5.00	5.32	
53 1,1-Dichloropropene	75	6.903	6.897	0.006	94	474771	5.00	5.52	
55 Isobutyl alcohol	41	7.067	7.061	0.006	91	139084	125.0	125.0	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.128	7.122	0.006	84	113128	10.0	10.4	
57 Benzene	78	7.159	7.159	0.000	97	1381701	5.00	5.50	
58 1,2-Dichloroethane	62	7.232	7.226	0.006	98	396245	5.00	5.15	
60 Tert-amyl methyl ether	73	7.360	7.354	0.006	98	876855	5.00	8.62	
* 61 Fluorobenzene (IS)	96	7.567	7.561	0.006	97	2165088	10.0	10.0	
62 n-Heptane	43	7.579	7.579	0.000	84	447827	5.00	5.19	
63 n-Butanol	56	7.964	7.945	0.019	90	204384	250.0	253.8	
64 Trichloroethene	95	8.049	8.043	0.006	97	370174	5.00	5.23	
65 Methylcyclohexane	83	8.360	8.354	0.006	91	600016	5.00	5.15	
66 1,2-Dichloropropane	63	8.372	8.372	0.000	93	348555	5.00	5.51	
67 Methyl methacrylate	69	8.463	8.463	0.000	88	153655	5.00	4.03	
68 1,4-Dioxane	88	8.482	8.476	0.006	30	28219	125.0	112.7	
69 Dibromomethane	93	8.488	8.482	0.006	93	183595	5.00	5.67	
71 Dichlorobromomethane	83	8.719	8.719	0.000	99	443217	5.00	5.29	
72 2-Nitropropane	41	8.988	8.982	0.006	97	51471	5.00	3.78	
75 1-Bromo-2-chloroethane	63	9.122	9.110	0.012	99	325859	5.00	5.46	
76 cis-1,3-Dichloropropene	75	9.274	9.274	0.000	95	458465	5.00	4.73	
77 4-Methyl-2-pentanone (MIBK)	43	9.451	9.445	0.006	97	2735673	62.5	52.3	
\$ 78 Toluene-d8 (Surr)	98	9.585	9.585	0.000	94	2185981	10.0	10.1	
79 Toluene	92	9.664	9.664	0.000	98	912065	5.00	5.46	
97 trans-1,3-Dichloropropene	75	9.927	9.927	0.000	94	410626	5.00	5.06	
99 Ethyl methacrylate	69	9.994	9.987	0.007	89	317236	5.00	5.04	
100 1,1,2-Trichloroethane	97	10.134	10.128	0.006	92	254095	5.00	5.57	
101 Tetrachloroethene	166	10.219	10.219	0.000	99	457654	5.00	5.09	
102 1,3-Dichloropropane	76	10.292	10.292	0.000	91	420164	5.00	5.58	
103 2-Hexanone	43	10.347	10.347	0.000	97	1984858	62.5	54.4	
105 Chlorodibromomethane	129	10.512	10.512	0.000	89	311172	5.00	4.95	
106 Ethylene Dibromide	107	10.622	10.622	0.000	98	244954	5.00	5.54	
* 107 Chlorobenzene-d5 (IS)	117	11.054	11.054	0.000	86	1681951	10.0	10.0	
108 1-Chlorohexane	91	11.067	11.067	0.000	98	479813	5.00	4.99	
109 Chlorobenzene	112	11.085	11.079	0.006	95	1032959	5.00	5.38	
111 1,1,1,2-Tetrachloroethane	131	11.164	11.164	0.000	94	382192	5.00	5.42	
112 Ethylbenzene	91	11.170	11.170	0.000	98	1780215	5.00	5.48	
113 m-Xylene & p-Xylene	106	11.286	11.286	0.000	93	1433192	10.0	11.1	
114 o-Xylene	106	11.615	11.615	0.000	96	684416	5.00	5.40	
115 Styrene	104	11.634	11.627	0.007	95	1091714	5.00	5.56	
116 Bromoform	173	11.786	11.786	0.000	97	180567	5.00	4.41	
117 Isopropylbenzene	105	11.914	11.914	0.000	96	1836095	5.00	5.52	
\$ 120 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	94	805564	10.0	10.2	
121 1,1,2,2-Tetrachloroethane	83	12.158	12.158	0.000	95	323850	5.00	5.62	
122 Bromobenzene	156	12.176	12.176	0.000	94	463948	5.00	5.39	
123 trans-1,4-Dichloro-2-butene	53	12.188	12.182	0.006	88	283820	25.0	13.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
124 1,2,3-Trichloropropane	110	12.207	12.207	0.000	84	93012	5.00	5.71	
125 N-Propylbenzene	91	12.243	12.243	0.000	99	2143116	5.00	5.68	
126 2-Chlorotoluene	126	12.322	12.322	0.000	97	448892	5.00	5.51	
127 1,3,5-Trimethylbenzene	105	12.383	12.383	0.000	94	1558040	5.00	5.51	
128 4-Chlorotoluene	126	12.414	12.414	0.000	97	459947	5.00	5.65	
129 tert-Butylbenzene	134	12.621	12.621	0.000	93	341240	5.00	4.87	
131 1,2,4-Trimethylbenzene	105	12.664	12.664	0.000	98	1583617	5.00	5.45	
132 sec-Butylbenzene	105	12.786	12.786	0.000	94	2038631	5.00	5.67	
133 1,3-Dichlorobenzene	146	12.889	12.883	0.006	98	884710	5.00	5.47	
134 4-Isopropyltoluene	119	12.895	12.895	0.000	97	1777778	5.00	5.53	
* 135 1,4-Dichlorobenzene-d4	152	12.944	12.938	0.006	94	1045455	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.956	12.956	0.000	94	904836	5.00	5.73	
137 1,2,3-Trimethylbenzene	120	12.969	12.969	0.000	98	696384	5.00	5.18	
138 Benzyl chloride	126	13.036	13.036	0.000	99	134325	5.00	5.91	
139 n-Butylbenzene	92	13.182	13.188	-0.006	97	850731	5.00	6.03	
140 1,2-Dichlorobenzene	146	13.219	13.219	0.000	99	839515	5.00	5.47	
142 1,2-Dibromo-3-Chloropropane	155	13.761	13.761	0.000	86	47660	5.00	5.04	
143 1,3,5-Trichlorobenzene	180	13.889	13.889	0.000	98	667289	5.00	5.45	
144 1,2,4-Trichlorobenzene	180	14.310	14.310	0.000	94	531107	5.00	5.39	
145 Hexachlorobutadiene	225	14.395	14.389	0.006	97	299172	5.00	5.29	
146 Naphthalene	128	14.487	14.487	0.000	97	945201	5.00	5.16	
147 1,2,3-Trichlorobenzene	180	14.633	14.633	0.000	95	469735	5.00	5.25	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_QC_Gas826_00137

Amount Added: 12.50

Units: uL

MSV_LCS_VOC#1_00107

Amount Added: 12.50

Units: uL

MSV_LLcentISS_00007

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\IY04X33.D

Injection Date: 04-May-2023 21:38:30

Instrument ID: 19930

Operator ID: MEC29284

Lims ID: LCS

Worklist Smp#: 4

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

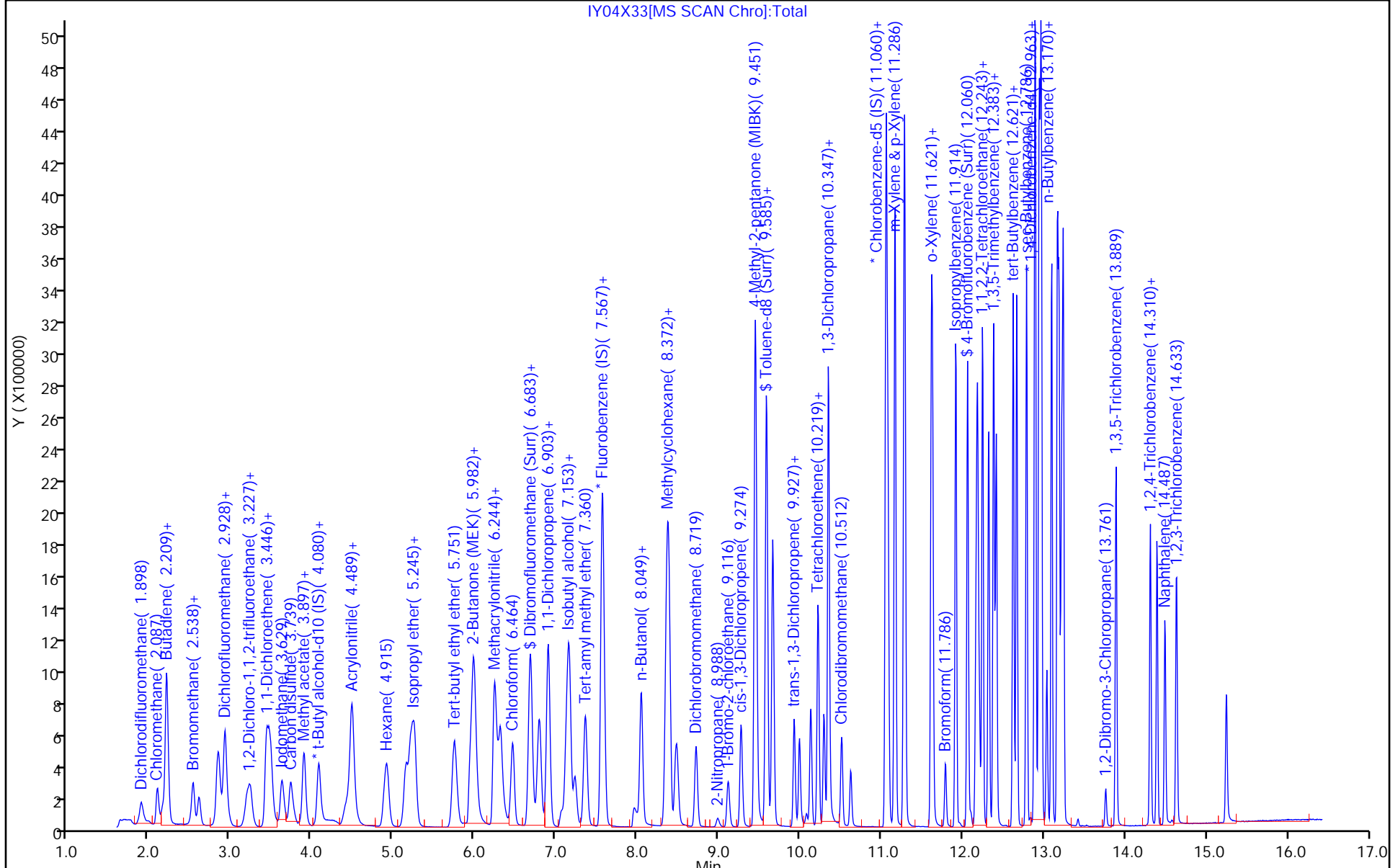
ALS Bottle#: 3

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\IY04X33.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 04-May-2023 21:38:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083257-004
 Misc. Info.: LCS
 Operator ID: MEC29284 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 08-May-2023 10:46:39 Calib Date: 21-Mar-2023 06:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1614

First Level Reviewer: K4WN Date: 04-May-2023 22:26:07

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	10.1	101.20
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.4	103.98
\$ 78 Toluene-d8 (Surr)	10.0	10.1	100.96
\$ 120 4-Bromofluorobenzene (Surr)	10.0	10.2	102.06

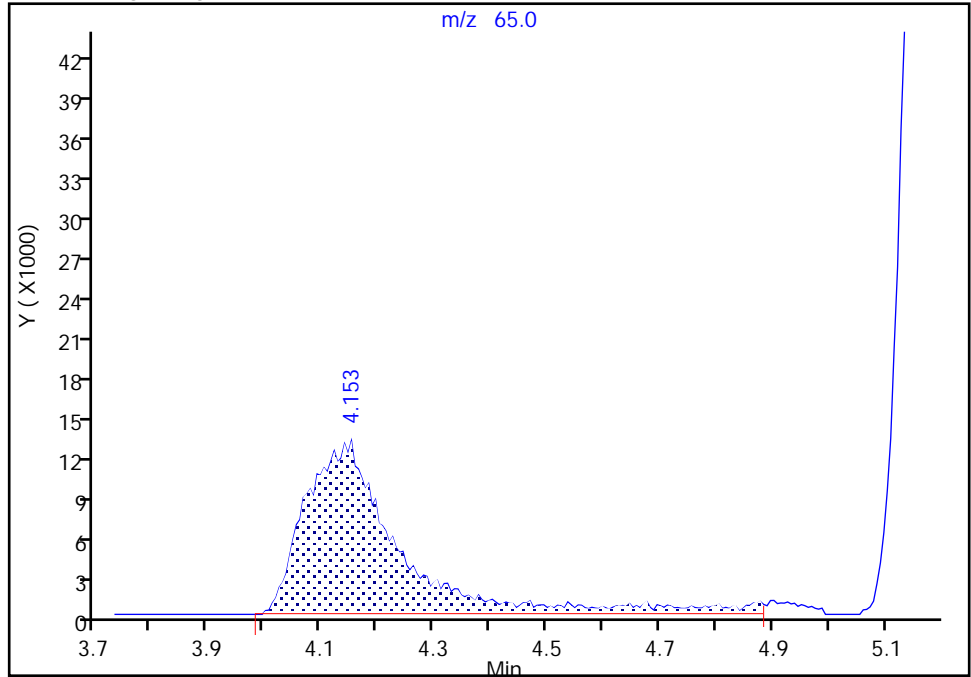
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\IY04X33.D
Injection Date: 04-May-2023 21:38:30 Instrument ID: 19930
Lims ID: LCS
Client ID:
Operator ID: MEC29284 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2
Signal: 1

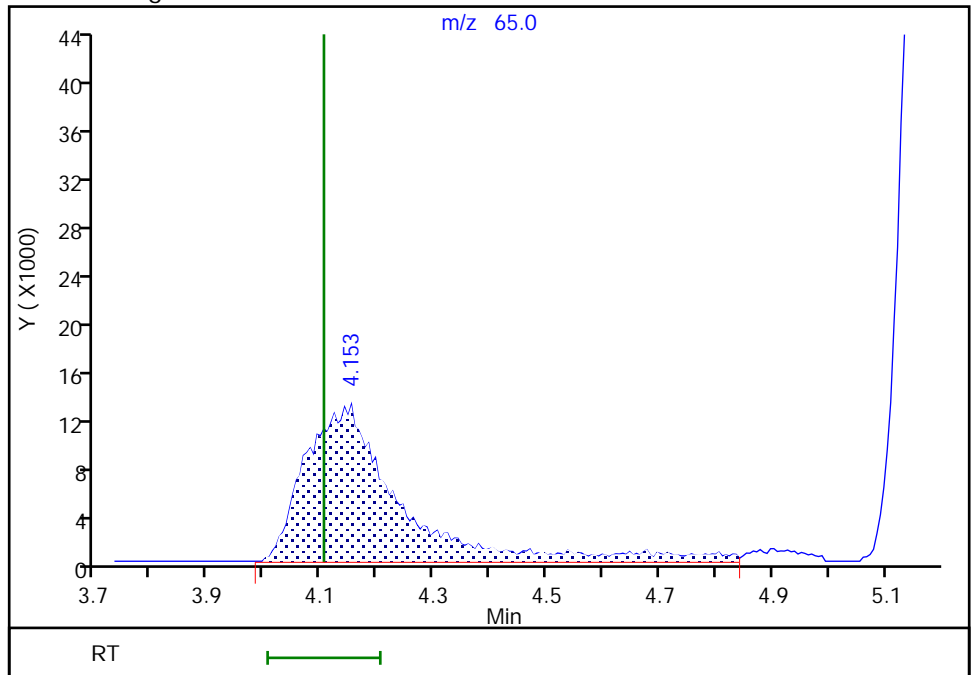
RT: 4.15
Area: 150975
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 4.15
Area: 149101
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 04-May-2023 22:27:30 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-373833/4

Matrix: Water

Lab File ID: HY09X03.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 05/09/2023 18:44

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.: 373833

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.59		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.72		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.06		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.16		0.50	0.080
75-34-3	1,1-Dichloroethane	5.40		0.50	0.10
75-35-4	1,1-Dichloroethene	5.66		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.63		0.50	0.080
107-06-2	1,2-Dichloroethane	5.51		0.50	0.070
78-87-5	1,2-Dichloropropane	5.71		0.50	0.10
78-93-3	2-Butanone (MEK)	50.7		5.0	1.0
591-78-6	2-Hexanone	46.4		5.0	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	45.0		5.0	1.0
67-64-1	Acetone	55.0		5.0	1.0
71-43-2	Benzene	5.80		0.50	0.10
74-97-5	Bromochloromethane	6.32		0.50	0.080
75-27-4	Bromodichloromethane	5.62		0.50	0.080
75-25-2	Bromoform	5.39		1.0	0.30
74-83-9	Bromomethane	5.23		0.50	0.10
75-15-0	Carbon disulfide	5.80		1.0	0.10
56-23-5	Carbon tetrachloride	5.94		0.50	0.10
108-90-7	Chlorobenzene	5.35		0.50	0.070
75-00-3	Chloroethane	4.92		0.50	0.10
67-66-3	Chloroform	5.59		0.50	0.090
74-87-3	Chloromethane	4.73		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.74		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.68		0.50	0.10
124-48-1	Dibromochloromethane	5.36		0.50	0.080
100-41-4	Ethylbenzene	5.32		0.50	0.080
1634-04-4	Methyl tert-butyl ether	5.48		0.50	0.080
75-09-2	Methylene Chloride	5.62		0.50	0.10
100-42-5	Styrene	5.33		0.50	0.070
127-18-4	Tetrachloroethene	5.56		0.50	0.20
108-88-3	Toluene	5.29		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-373833/4

Matrix: Water

Lab File ID: HY09X03.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 05/09/2023 18:44

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.: 373833

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	5.57		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.33		0.50	0.080
79-01-6	Trichloroethene	5.72		0.50	0.080
75-01-4	Vinyl chloride	4.86		0.50	0.10
1330-20-7	Xylenes, Total	16.1		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	106		80-120
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20230509-83587.b\HY09X03.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 09-May-2023 18:44:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083587-004
 Misc. Info.: LCS
 Operator ID: gaw91131 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20230509-83587.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-May-2023 20:17:05 Calib Date: 19-Apr-2023 23:41:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1645

First Level Reviewer: JS6E

Date: 09-May-2023 19:23:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.904	1.892	0.012	99	277758	5.00	4.90	
5 Chloromethane	50	2.093	2.087	0.006	99	354767	5.00	4.73	
6 Vinyl chloride	62	2.209	2.196	0.013	97	340377	5.00	4.86	
7 Butadiene	39	2.209	2.196	0.013	93	366041	5.00	5.10	
9 Bromomethane	94	2.532	2.526	0.006	91	228722	5.00	5.23	
10 Chloroethane	64	2.599	2.593	0.006	100	193046	5.00	4.92	
11 Dichlorofluoromethane	67	2.830	2.824	0.006	97	455281	5.00	4.85	
12 Trichlorofluoromethane	101	2.910	2.898	0.012	98	365473	5.00	4.61	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.208	3.202	0.006	93	288831	5.00	4.68	
16 Acrolein	56	3.294	3.275	0.019	98	172014	37.5	26.3	
17 1,1-Dichloroethene	96	3.422	3.416	0.006	98	220921	5.00	5.66	
19 Acetone	43	3.452	3.446	0.006	99	359915	62.5	55.0	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.464	3.458	0.006	91	216186	5.00	5.89	
21 Iodomethane	142	3.611	3.605	0.006	99	400930	5.00	5.70	
23 Carbon disulfide	76	3.720	3.708	0.012	99	643060	5.00	5.80	
24 Methyl acetate	43	3.855	3.849	0.006	98	92950	5.00	4.25	
26 3-Chloro-1-propene	41	3.879	3.867	0.012	93	367790	5.00	5.31	
27 Methylene Chloride	84	4.056	4.050	0.006	93	232327	5.00	5.62	
* 28 t-Butyl alcohol-d10 (IS)	65	4.068	4.068	0.000	100	99144	50.0	50.0	
29 2-Methyl-2-propanol	59	4.184	4.172	0.012	100	110678	50.0	57.9	
31 Acrylonitrile	53	4.385	4.367	0.018	99	210937	25.0	21.4	
32 Methyl tert-butyl ether	73	4.440	4.434	0.006	95	513021	5.00	5.48	
33 trans-1,2-Dichloroethene	96	4.464	4.458	0.006	99	243276	5.00	5.57	
34 Hexane	57	4.891	4.885	0.006	93	320084	5.00	6.02	
36 1,1-Dichloroethane	63	5.123	5.117	0.006	96	445534	5.00	5.40	
37 Isopropyl ether	45	5.184	5.178	0.006	95	768111	5.00	5.36	
38 2-Chloro-1,3-butadiene	53	5.232	5.226	0.006	91	381712	5.00	5.33	
40 Tert-butyl ethyl ether	59	5.720	5.714	0.006	98	690684	5.00	5.46	
41 2-Butanone (MEK)	43	5.921	5.915	0.006	100	665757	62.5	50.7	
42 cis-1,2-Dichloroethene	96	5.964	5.958	0.006	83	273098	5.00	5.74	
43 2,2-Dichloropropane	77	5.976	5.970	0.006	89	398862	5.00	5.88	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 Propionitrile	54	6.007	6.007	0.000	98	116628	37.5	34.7	
47 Methacrylonitrile	67	6.226	6.220	0.006	92	410001	37.5	27.0	
48 Chlorobromomethane	128	6.293	6.287	0.006	96	111696	5.00	6.32	
49 Tetrahydrofuran	71	6.311	6.299	0.012	82	73646	25.0	20.7	
50 Chloroform	83	6.452	6.446	0.006	93	440382	5.00	5.59	
\$ 52 Dibromofluoromethane (Surr)	113	6.665	6.659	0.006	94	432957	10.0	10.6	
53 1,1,1-Trichloroethane	97	6.677	6.677	0.000	98	400103	5.00	5.72	
54 Cyclohexane	56	6.781	6.781	0.000	91	417299	5.00	5.58	
55 1,1-Dichloropropene	75	6.891	6.891	0.000	96	362583	5.00	5.98	
56 Carbon tetrachloride	117	6.891	6.891	0.000	97	349141	5.00	5.94	
57 Isobutyl alcohol	41	7.037	7.031	0.006	93	97618	125.0	127.2	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.116	7.116	0.000	94	79245	10.0	10.5	
59 Benzene	78	7.153	7.153	0.000	97	1039882	5.00	5.80	
60 1,2-Dichloroethane	62	7.232	7.226	0.006	97	241167	5.00	5.51	
63 Tert-amyl methyl ether	73	7.354	7.348	0.006	99	600146	5.00	5.67	
* 64 Fluorobenzene (IS)	96	7.567	7.561	0.006	98	1713635	10.0	10.0	
65 n-Heptane	43	7.586	7.580	0.006	93	314587	5.00	6.33	
67 n-Butanol	56	7.933	7.927	0.006	87	169847	250.0	305.3	
68 Trichloroethene	95	8.049	8.049	0.000	99	273673	5.00	5.72	
69 Methylcyclohexane	83	8.366	8.366	0.000	92	420831	5.00	5.94	
70 1,2-Dichloropropane	63	8.384	8.384	0.000	86	265224	5.00	5.71	
71 2-ethoxy-2-methyl butane	87	8.396	8.396	0.000	90	366768	5.00	5.60	
72 Methyl methacrylate	69	8.470	8.470	0.000	90	104385	5.00	3.68	
73 1,4-Dioxane	88	8.488	8.482	0.006	31	21630	125.0	244.6	
74 Dibromomethane	93	8.494	8.494	0.000	96	114226	5.00	6.03	
76 Dichlorobromomethane	83	8.732	8.732	0.000	99	311694	5.00	5.62	
77 2-Nitropropane	41	9.000	8.994	0.006	98	31843	5.00	3.69	
79 1-Bromo-2-chloroethane	63	9.134	9.128	0.006	99	251052	5.00	5.78	
80 cis-1,3-Dichloropropene	75	9.293	9.287	0.007	96	374501	5.00	5.68	
82 4-Methyl-2-pentanone (MIBK)	43	9.469	9.463	0.006	97	1685969	62.5	45.0	
\$ 83 Toluene-d8 (Surr)	98	9.610	9.610	0.000	93	1769499	10.0	9.39	
84 Toluene	92	9.689	9.689	0.000	98	657048	5.00	5.29	
85 trans-1,3-Dichloropropene	75	9.951	9.951	0.000	93	306237	5.00	5.33	
104 Ethyl methacrylate	69	10.018	10.018	0.000	89	225398	5.00	5.13	
106 1,1,2-Trichloroethane	97	10.158	10.158	0.000	91	163595	5.00	5.16	
107 Tetrachloroethene	166	10.250	10.250	0.000	98	306160	5.00	5.56	
108 1,3-Dichloropropane	76	10.323	10.323	0.000	90	285207	5.00	5.39	
109 2-Hexanone	43	10.378	10.372	0.006	97	1152216	62.5	46.4	
111 Chlorodibromomethane	129	10.542	10.542	0.000	90	206894	5.00	5.36	
112 Ethylene Dibromide	107	10.658	10.652	0.006	98	159829	5.00	5.63	
* 113 Chlorobenzene-d5 (IS)	117	11.091	11.091	0.000	85	1384869	10.0	10.0	
114 1-Chlorohexane	91	11.103	11.103	0.000	98	379036	5.00	5.05	
115 Chlorobenzene	112	11.115	11.115	0.000	95	721346	5.00	5.35	
116 1,1,1,2-Tetrachloroethane	131	11.201	11.201	0.000	96	259483	5.00	5.59	
117 Ethylbenzene	91	11.207	11.207	0.000	98	1299569	5.00	5.32	
119 m-Xylene & p-Xylene	106	11.323	11.323	0.000	100	987214	10.0	10.8	
120 o-Xylene	106	11.652	11.652	0.000	97	475661	5.00	5.34	
121 Styrene	104	11.670	11.670	0.000	95	783467	5.00	5.33	
122 Bromoform	173	11.829	11.829	0.000	97	121621	5.00	5.39	
123 Isopropylbenzene	105	11.957	11.957	0.000	96	1292373	5.00	5.38	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.103	12.103	0.000	92	675639	10.0	9.88	
127 1,1,1,2,2-Tetrachloroethane	83	12.201	12.201	-0.001	93	208070	5.00	5.06	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
128 Bromobenzene	156	12.219	12.219	0.000	97	297735	5.00	5.49	
129 trans-1,4-Dichloro-2-butene	53	12.225	12.225	0.000	92	229755	25.0	19.3	
130 1,2,3-Trichloropropane	110	12.249	12.249	0.000	83	51409	5.00	5.30	
131 N-Propylbenzene	91	12.286	12.286	0.000	99	1550333	5.00	5.18	
132 2-Chlorotoluene	126	12.365	12.365	0.000	97	303798	5.00	5.30	
133 1,3,5-Trimethylbenzene	105	12.426	12.426	0.000	94	1069288	5.00	5.10	
134 4-Chlorotoluene	126	12.457	12.457	0.000	97	309080	5.00	5.27	
135 tert-Butylbenzene	134	12.664	12.664	0.000	93	236652	5.00	5.22	
136 Pentachloroethane	167	12.700	12.700	0.000	93	189434	5.00	5.10	
137 1,2,4-Trimethylbenzene	105	12.707	12.707	-0.001	97	1081065	5.00	5.11	
138 sec-Butylbenzene	105	12.828	12.828	0.000	94	1380249	5.00	5.26	
139 1,3-Dichlorobenzene	146	12.932	12.932	0.000	98	581748	5.00	5.22	
140 4-Isopropyltoluene	119	12.938	12.938	0.000	97	1188241	5.00	5.31	
* 141 1,4-Dichlorobenzene-d4	152	12.987	12.987	0.000	94	781940	10.0	10.0	
142 1,4-Dichlorobenzene	146	13.005	13.005	0.000	94	583812	5.00	5.52	
143 1,2,3-Trimethylbenzene	120	13.011	13.011	0.000	99	456189	5.00	5.00	
144 Benzyl chloride	126	13.078	13.078	0.000	98	86216	5.00	5.81	
145 p-Diethylbenzene	119	13.139	13.139	0.000	92	680269	5.00	5.16	
146 n-Butylbenzene	92	13.231	13.231	0.000	97	579315	5.00	5.42	
147 1,2-Dichlorobenzene	146	13.261	13.261	0.000	99	520790	5.00	5.27	
149 1,2-Dibromo-3-Chloropropane	155	13.804	13.804	0.000	86	28373	5.00	5.88	
150 1,3,5-Trichlorobenzene	180	13.932	13.932	0.000	98	443221	5.00	5.70	
151 1,2,4-Trichlorobenzene	180	14.353	14.353	0.000	94	368834	5.00	5.92	
152 Hexachlorobutadiene	225	14.438	14.438	0.000	95	148770	5.00	6.38	
153 Naphthalene	128	14.535	14.535	0.000	97	588434	5.00	5.73	
154 1,2,3-Trichlorobenzene	180	14.676	14.676	0.000	96	297173	5.00	6.01	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

MSV_QC_Gas826_00138	Amount Added: 12.50	Units: uL	
MSV_LCS_VOC#1_00108	Amount Added: 12.50	Units: uL	
MSV_LCS_ACROL_00112	Amount Added: 12.50	Units: uL	
MSV_LCS_Penta_00028	Amount Added: 12.50	Units: uL	
MSV_LLcentISS_00007	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19094\20230509-83587.b\HY09X03.D

Injection Date: 09-May-2023 18:44:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: LCS

Worklist Smp#: 4

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

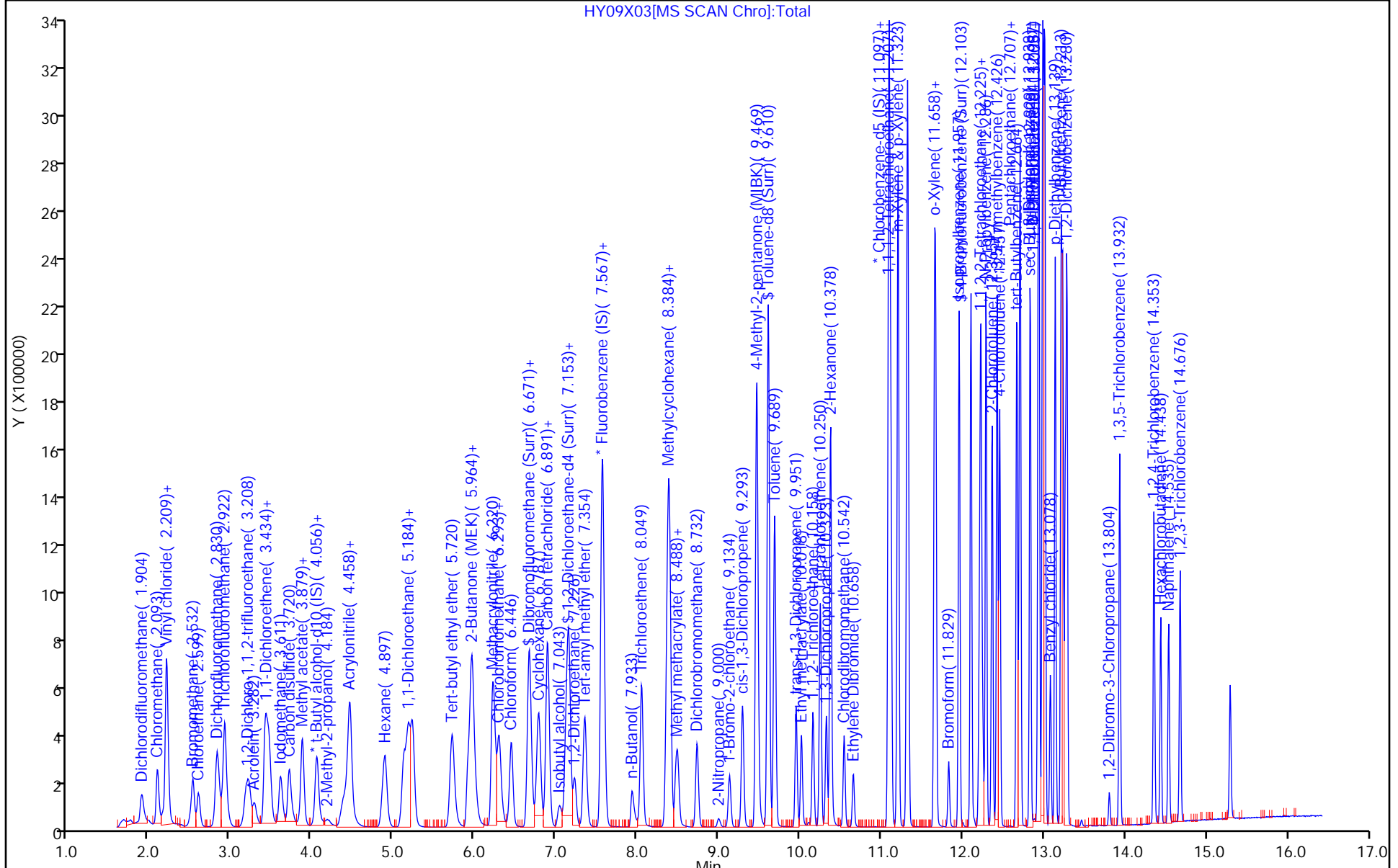
ALS Bottle#: 3

Method: MSV_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\20230509-83587.b\HY09X03.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 09-May-2023 18:44:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083587-004
 Misc. Info.: LCS
 Operator ID: gaw91131 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20230509-83587.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-May-2023 20:17:05 Calib Date: 19-Apr-2023 23:41:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1645

First Level Reviewer: JS6E

Date: 09-May-2023 19:23:49

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.6	106.32
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.5	104.55
\$ 83 Toluene-d8 (Surr)	10.0	9.39	93.89
\$ 126 4-Bromofluorobenzene (Surr)	10.0	9.88	98.85

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCSD 410-372041/5

Matrix: Water

Lab File ID: CY04X04.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 10:01

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.: 372041

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.25		0.50	0.070
71-55-6	1,1,1-Trichloroethane	4.65		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.54		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.12		0.50	0.080
75-34-3	1,1-Dichloroethane	4.44		0.50	0.10
75-35-4	1,1-Dichloroethene	4.78		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.25		0.50	0.080
107-06-2	1,2-Dichloroethane	4.25		0.50	0.070
78-87-5	1,2-Dichloropropane	4.55		0.50	0.10
78-93-3	2-Butanone (MEK)	62.1		5.0	1.0
591-78-6	2-Hexanone	63.7		5.0	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	60.3		5.0	1.0
67-64-1	Acetone	61.8		5.0	1.0
71-43-2	Benzene	4.71		0.50	0.10
74-97-5	Bromochloromethane	4.54		0.50	0.080
75-27-4	Bromodichloromethane	4.43		0.50	0.080
75-25-2	Bromoform	4.69		1.0	0.30
74-83-9	Bromomethane	3.72		0.50	0.10
75-15-0	Carbon disulfide	4.62		1.0	0.10
56-23-5	Carbon tetrachloride	4.70		0.50	0.10
108-90-7	Chlorobenzene	5.14		0.50	0.070
75-00-3	Chloroethane	3.87		0.50	0.10
67-66-3	Chloroform	4.51		0.50	0.090
74-87-3	Chloromethane	3.62		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	4.77		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.34		0.50	0.10
124-48-1	Dibromochloromethane	4.98		0.50	0.080
100-41-4	Ethylbenzene	5.46		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.43		0.50	0.080
75-09-2	Methylene Chloride	4.62		0.50	0.10
100-42-5	Styrene	5.39		0.50	0.070
127-18-4	Tetrachloroethene	5.17		0.50	0.20
108-88-3	Toluene	5.38		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCSD 410-372041/5

Matrix: Water

Lab File ID: CY04X04.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 10:01

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.: 372041

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	4.54		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.27		0.50	0.080
79-01-6	Trichloroethene	4.56		0.50	0.080
75-01-4	Vinyl chloride	3.66		0.50	0.10
1330-20-7	Xylenes, Total	16.0		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	94		80-120
2037-26-5	Toluene-d8 (Surr)	109		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X04.D
 Lims ID: LCSD
 Client ID:
 Sample Type: LCSD
 Inject. Date: 04-May-2023 10:01:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083176-005
 Misc. Info.: MRL
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-May-2023 12:56:41 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1661

First Level Reviewer: DVW2

Date: 04-May-2023 10:35:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.721	1.733	-0.012	99	224164	5.00	2.91	M
5 Chloromethane	50	1.892	1.898	-0.006	99	326529	5.00	3.62	
6 Vinyl chloride	62	1.989	1.995	-0.006	98	315528	5.00	3.66	
7 Butadiene	39	2.001	2.008	-0.007	91	418322	5.00	5.22	
9 Bromomethane	94	2.276	2.282	-0.006	91	218390	5.00	3.72	
10 Chloroethane	64	2.331	2.337	-0.006	100	196343	5.00	3.87	
11 Dichlorofluoromethane	67	2.550	2.556	-0.006	97	490143	5.00	4.10	
13 Pentane	43	2.599	2.605	-0.006	97	435698	5.00	5.14	
12 Trichlorofluoromethane	101	2.605	2.617	-0.012	96	358966	5.00	3.48	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.873	2.879	-0.006	94	310276	5.00	4.23	
18 1,1-Dichloroethene	96	3.044	3.050	-0.006	98	248531	5.00	4.78	
20 Acetone	43	3.074	3.080	-0.006	99	471671	62.5	61.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.087	3.093	-0.006	94	244478	5.00	4.63	
24 Isopropyl alcohol	45	3.196	3.209	-0.012	28	52545	37.5	35.5	
22 Iodomethane	142	3.208	3.215	-0.007	98	483081	5.00	4.45	
25 Carbon disulfide	76	3.300	3.306	-0.006	99	834213	5.00	4.62	
26 Methyl acetate	43	3.422	3.434	-0.012	96	123484	5.00	5.04	
29 3-Chloro-1-propene	41	3.440	3.446	-0.006	92	426689	5.00	4.57	
30 Methylene Chloride	84	3.599	3.605	-0.006	92	287623	5.00	4.62	
* 31 t-Butyl alcohol-d10 (IS)	65	3.629	3.660	-0.031	95	160173	50.0	50.0	
32 2-Methyl-2-propanol	59	3.751	3.757	-0.006	99	127143	50.0	41.4	
33 Acrylonitrile	53	3.897	3.903	-0.006	98	265934	25.0	24.0	
34 Methyl tert-butyl ether	73	3.946	3.952	-0.006	94	796571	5.00	4.43	
35 trans-1,2-Dichloroethene	96	3.946	3.952	-0.006	99	288461	5.00	4.54	
36 Hexane	57	4.330	4.342	-0.012	93	387802	5.00	4.81	
37 1,1-Dichloroethane	63	4.574	4.586	-0.012	96	510752	5.00	4.44	
39 Isopropyl ether	45	4.647	4.659	-0.012	93	932247	5.00	4.46	
40 2-Chloro-1,3-butadiene	53	4.690	4.696	-0.006	91	435597	5.00	4.67	
41 Tert-butyl ethyl ether	59	5.196	5.202	-0.006	98	949169	5.00	4.51	
42 2-Butanone (MEK)	43	5.409	5.415	-0.006	99	938859	62.5	62.1	
43 cis-1,2-Dichloroethene	96	5.434	5.446	-0.012	82	330962	5.00	4.77	

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	5.446	5.458	-0.012	86	470955	5.00	4.63	
45 Propionitrile	54	5.519	5.513	0.006	98	145493	37.5	44.0	
47 Methacrylonitrile	67	5.714	5.714	0.000	91	596333	37.5	36.7	
48 Chlorobromomethane	128	5.775	5.781	-0.006	95	146727	5.00	4.54	
49 Tetrahydrofuran	71	5.787	5.787	0.000	79	112475	25.0	23.3	
50 Chloroform	83	5.934	5.940	-0.006	93	518269	5.00	4.51	
53 1,1,1-Trichloroethane	97	6.159	6.159	0.000	98	471250	5.00	4.65	
\$ 54 Dibromofluoromethane (Surr)	113	6.159	6.165	-0.006	94	503367	10.0	9.41	
55 Cyclohexane	56	6.251	6.251	0.000	91	489524	5.00	4.75	
56 Carbon tetrachloride	117	6.366	6.373	-0.007	96	408137	5.00	4.70	
57 1,1-Dichloropropene	75	6.372	6.379	-0.007	97	413781	5.00	4.82	
58 Isobutyl alcohol	41	6.616	6.610	0.006	37	89851	125.0	115.9	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.610	6.616	-0.006	98	101366	10.0	9.62	
60 Benzene	78	6.641	6.647	-0.006	97	1236255	5.00	4.71	
61 1,2-Dichloroethane	62	6.714	6.720	-0.006	97	322150	5.00	4.25	
64 Tert-amyl methyl ether	73	6.854	6.860	-0.006	98	885407	5.00	4.56	
* 65 Fluorobenzene (IS)	96	7.061	7.061	0.000	98	2053542	10.0	10.0	
66 n-Heptane	43	7.074	7.086	-0.012	92	427445	5.00	5.07	
67 n-Butanol	56	7.561	7.531	0.030	27	131561	250.0	201.7	a
68 Trichloroethene	95	7.555	7.555	0.000	98	317329	5.00	4.56	
69 Methylcyclohexane	83	7.854	7.860	-0.006	91	529204	5.00	4.74	
70 1,2-Dichloropropane	63	7.884	7.891	-0.007	95	313488	5.00	4.55	
71 2-ethoxy-2-methyl butane	87	7.921	7.927	-0.006	93	494340	5.00	4.47	
72 Dibromomethane	93	8.006	8.006	0.000	96	153753	5.00	4.52	
73 Methyl methacrylate	69	8.012	8.006	0.006	91	147234	5.00	4.61	
74 1,4-Dioxane	88	8.012	8.006	0.006	31	24614	125.0	145.1	
76 Dichlorobromomethane	83	8.250	8.256	-0.006	99	384712	5.00	4.43	
77 2-Nitropropane	41	8.537	8.543	-0.006	98	43970	5.00	4.31	
78 1-Bromo-2-chloroethane	63	8.646	8.646	0.000	98	311153	5.00	4.30	
80 cis-1,3-Dichloropropene	75	8.829	8.829	0.000	96	462734	5.00	4.34	
82 4-Methyl-2-pentanone (MIBK)	43	9.031	9.037	-0.007	96	2528260	62.5	60.3	
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	93	2133426	10.0	10.9	
84 Toluene	92	9.250	9.250	0.000	98	811942	5.00	5.38	
85 trans-1,3-Dichloropropene	75	9.555	9.555	0.000	93	398227	5.00	5.27	
86 Ethyl methacrylate	69	9.634	9.640	-0.006	89	318524	5.00	5.21	
87 1,1,2-Trichloroethane	97	9.768	9.774	-0.006	91	229936	5.00	5.12	
88 Tetrachloroethene	166	9.847	9.854	-0.007	98	368143	5.00	5.17	
89 1,3-Dichloropropane	76	9.945	9.945	0.000	91	388368	5.00	5.37	
106 2-Hexanone	43	10.018	10.018	0.000	96	1741964	62.5	63.7	
108 Chlorodibromomethane	129	10.171	10.171	0.000	90	281599	5.00	4.98	
110 Ethylene Dibromide	107	10.280	10.280	0.000	99	222059	5.00	5.25	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.744	0.000	85	1639052	10.0	10.0	
112 1-Chlorohexane	91	10.768	10.768	0.000	98	434329	5.00	5.04	
113 Chlorobenzene	112	10.768	10.774	-0.006	96	922963	5.00	5.14	
114 1,1,1,2-Tetrachloroethane	131	10.859	10.859	0.000	96	327385	5.00	5.25	
115 Ethylbenzene	91	10.866	10.866	0.000	98	1588752	5.00	5.46	
116 m-Xylene & p-Xylene	106	10.987	10.987	0.000	97	1257571	10.0	10.7	
118 o-Xylene	106	11.329	11.335	-0.006	97	621082	5.00	5.32	
119 Styrene	104	11.353	11.353	0.000	95	1027190	5.00	5.39	
120 Bromoform	173	11.506	11.506	0.000	98	167437	5.00	4.69	
121 Isopropylbenzene	105	11.646	11.646	0.000	95	1645802	5.00	5.49	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	93	811253	10.0	9.70	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
125 Bromobenzene	156	11.908	11.908	0.000	93	408495	5.00	5.49	
126 1,1,2,2-Tetrachloroethane	83	11.908	11.908	0.000	91	299404	5.00	5.54	
127 trans-1,4-Dichloro-2-butene	53	11.938	11.932	0.006	86	276309	25.0	21.3	
128 1,2,3-Trichloropropane	110	11.951	11.951	0.000	80	78164	5.00	5.50	
129 N-Propylbenzene	91	11.987	11.987	0.000	99	1898523	5.00	5.73	
130 2-Chlorotoluene	126	12.060	12.060	0.000	97	394815	5.00	5.51	
131 1,3,5-Trimethylbenzene	105	12.127	12.134	-0.007	94	1398967	5.00	5.63	
132 4-Chlorotoluene	126	12.158	12.158	0.000	97	416540	5.00	5.64	
133 tert-Butylbenzene	134	12.377	12.377	0.000	93	297808	5.00	5.22	
135 1,2,4-Trimethylbenzene	105	12.420	12.420	0.000	97	1418299	5.00	5.53	
136 sec-Butylbenzene	105	12.542	12.542	0.000	94	1805680	5.00	5.73	
137 1,3-Dichlorobenzene	146	12.640	12.640	0.000	98	791559	5.00	5.47	
138 4-Isopropyltoluene	119	12.658	12.658	0.000	97	1598536	5.00	5.68	
* 139 1,4-Dichlorobenzene-d4	152	12.701	12.701	0.000	93	965205	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.713	12.719	-0.006	95	832805	5.00	5.72	
141 1,2,3-Trimethylbenzene	120	12.731	12.731	0.000	98	630588	5.00	5.31	
142 Benzyl chloride	126	12.804	12.798	0.006	98	125999	5.00	5.73	
145 p-Diethylbenzene	119	12.932	12.932	0.000	94	991490	5.00	5.72	
143 n-Butylbenzene	92	12.950	12.957	-0.007	97	765515	5.00	5.84	
144 1,2-Dichlorobenzene	146	12.981	12.981	0.000	99	748287	5.00	5.55	
148 1,2-Dibromo-3-Chloropropane	155	13.542	13.542	0.000	88	40604	5.00	5.57	
149 1,3,5-Trichlorobenzene	180	13.664	13.664	0.000	98	640542	5.00	5.65	
150 1,2,4-Trichlorobenzene	180	14.097	14.091	0.006	94	518641	5.00	5.99	
151 Hexachlorobutadiene	225	14.176	14.176	0.000	96	291163	5.00	5.71	
152 Naphthalene	128	14.273	14.273	0.000	97	835402	5.00	6.02	
153 1,2,3-Trichlorobenzene	180	14.420	14.420	0.000	96	407192	5.00	5.94	
154 2-Methylnaphthalene	142	15.023	15.017	0.006	95	333871	5.00	4.92	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LCS_VOC#1_00107

Amount Added: 12.50

Units: uL

MSV_QC_Gas826_00137

Amount Added: 12.50

Units: uL

MSV_HP25_ISSS_00067

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\CY04X04.D

Injection Date: 04-May-2023 10:01:30

Instrument ID: 10193

Operator ID: knk41612

Lims ID: LCSD

Worklist Smp#: 5

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

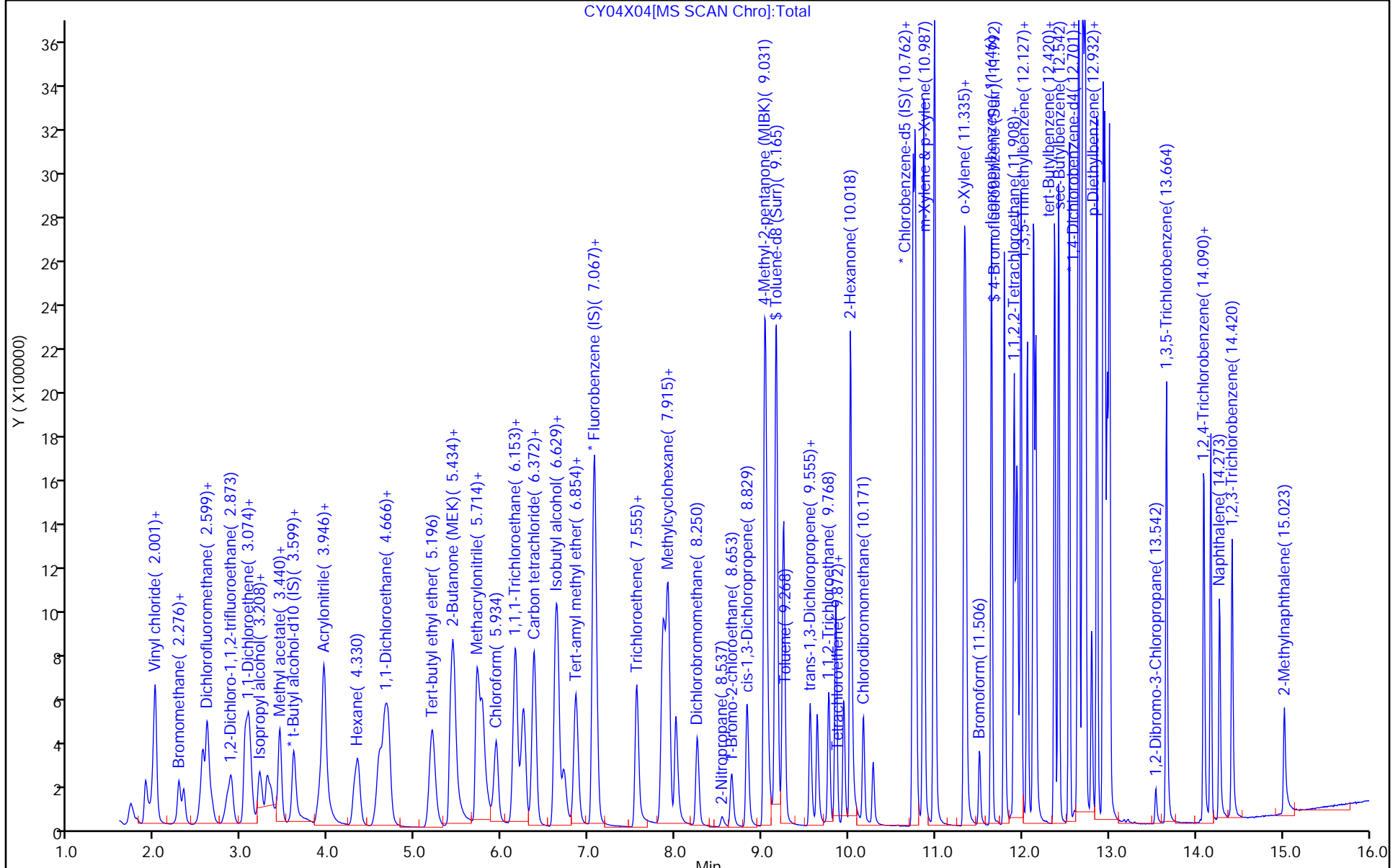
ALS Bottle#: 4

Method: MSV_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\20230504-83176.b\CY04X04.D
 Lims ID: LCSD
 Client ID:
 Sample Type: LCSD
 Inject. Date: 04-May-2023 10:01:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083176-005
 Misc. Info.: MRL
 Operator ID: knk41612 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230504-83176.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-May-2023 12:56:41 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1661

First Level Reviewer: DVW2 Date: 04-May-2023 10:35:14

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	9.41	94.12
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.62	96.17
\$ 83 Toluene-d8 (Surr)	10.0	10.9	108.98
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.70	96.96

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCSD 410-372381/5

Matrix: Water

Lab File ID: IY04X34.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 21:59

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 372381

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.42		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.26		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.57		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.41		0.50	0.080
75-34-3	1,1-Dichloroethane	5.12		0.50	0.10
75-35-4	1,1-Dichloroethene	5.18		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.39		0.50	0.080
107-06-2	1,2-Dichloroethane	5.10		0.50	0.070
78-87-5	1,2-Dichloropropane	5.39		0.50	0.10
78-93-3	2-Butanone (MEK)	54.7		5.0	1.0
591-78-6	2-Hexanone	50.6		5.0	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	50.3		5.0	1.0
67-64-1	Acetone	51.6		5.0	1.0
71-43-2	Benzene	5.41		0.50	0.10
74-97-5	Bromochloromethane	5.31		0.50	0.080
75-27-4	Bromodichloromethane	5.17		0.50	0.080
75-25-2	Bromoform	4.37		1.0	0.30
74-83-9	Bromomethane	4.06		0.50	0.10
75-15-0	Carbon disulfide	4.81		1.0	0.10
56-23-5	Carbon tetrachloride	5.14		0.50	0.10
108-90-7	Chlorobenzene	5.24		0.50	0.070
75-00-3	Chloroethane	4.39		0.50	0.10
67-66-3	Chloroform	5.28		0.50	0.090
74-87-3	Chloromethane	3.91		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.41		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.70		0.50	0.10
124-48-1	Dibromochloromethane	4.90		0.50	0.080
100-41-4	Ethylbenzene	5.37		0.50	0.080
1634-04-4	Methyl tert-butyl ether	5.59		0.50	0.080
75-09-2	Methylene Chloride	5.34		0.50	0.10
100-42-5	Styrene	5.39		0.50	0.070
127-18-4	Tetrachloroethene	4.98		0.50	0.20
108-88-3	Toluene	5.29		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-124489-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 410-372381/5

Matrix: Water Lab File ID: IY04X34.D

Analysis Method: 8260D Date Collected: _____

Sample wt/vol: 25 (mL) Date Analyzed: 05/04/2023 21:59

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 25.0 (mL) Heated Purge: (Y/N) N pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 372381 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	5.09		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	4.93		0.50	0.080
79-01-6	Trichloroethene	5.11		0.50	0.080
75-01-4	Vinyl chloride	4.09		0.50	0.10
1330-20-7	Xylenes, Total	16.1		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
 Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\IY04X34.D
 Lims ID: LCSD
 Client ID:
 Sample Type: LCSD
 Inject. Date: 04-May-2023 21:59:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083257-005
 Misc. Info.: LCSD
 Operator ID: MEC29284 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 08-May-2023 10:46:39 Calib Date: 21-Mar-2023 06:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1614

First Level Reviewer: K4WN Date: 04-May-2023 22:27:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.892	1.892	0.000	99	313498	5.00	3.82	
4 Chloromethane	50	2.087	2.087	0.000	99	347715	5.00	3.91	
6 Butadiene	39	2.197	2.196	0.001	92	588641	5.00	7.42	
5 Vinyl chloride	62	2.197	2.196	0.001	97	354976	5.00	4.09	
7 Bromomethane	94	2.526	2.526	0.000	91	273375	5.00	4.06	
8 Chloroethane	64	2.599	2.599	0.000	100	231377	5.00	4.39	
9 Dichlorofluoromethane	67	2.837	2.830	0.007	97	623584	5.00	4.42	
10 Trichlorofluoromethane	101	2.904	2.904	0.000	95	519727	5.00	3.71	M
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.215	3.221	-0.006	94	362261	5.00	4.63	
15 1,1-Dichloroethene	96	3.428	3.428	0.000	98	293718	5.00	5.18	
16 Acetone	43	3.458	3.452	0.006	99	524273	62.5	51.6	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.471	3.470	0.001	92	325453	5.00	5.04	
18 Iodomethane	142	3.617	3.617	0.000	100	569330	5.00	4.63	
20 Carbon disulfide	76	3.727	3.727	0.000	100	765387	5.00	4.81	
23 Methyl acetate	43	3.867	3.867	0.000	97	169741	5.00	4.67	
24 3-Chloro-1-propene	41	3.891	3.885	0.006	89	435404	5.00	4.56	
25 Methylene Chloride	84	4.068	4.068	0.000	92	321832	5.00	5.34	
* 26 t-Butyl alcohol-d10 (IS)	65	4.099	4.104	-0.005	99	158421	50.0	50.0	M
27 2-Methyl-2-propanol	59	4.233	4.239	-0.006	98	148702	50.0	45.0	
28 Acrylonitrile	53	4.397	4.391	0.006	99	280977	25.0	22.8	
29 Methyl tert-butyl ether	73	4.470	4.470	0.000	95	815085	5.00	5.59	
30 trans-1,2-Dichloroethene	96	4.483	4.476	0.007	99	324505	5.00	5.09	
31 Hexane	57	4.909	4.903	0.006	94	421670	5.00	5.01	
32 1,1-Dichloroethane	63	5.141	5.141	0.000	96	592656	5.00	5.12	
35 Isopropyl ether	45	5.208	5.202	0.006	92	948210	5.00	4.91	
36 2-Chloro-1,3-butadiene	53	5.251	5.251	0.000	93	491510	5.00	5.01	
37 Tert-butyl ethyl ether	59	5.739	5.738	0.001	97	932281	5.00	6.95	
38 2-Butanone (MEK)	43	5.940	5.933	0.007	99	1025460	62.5	54.7	
39 cis-1,2-Dichloroethene	96	5.976	5.976	0.000	83	377326	5.00	5.41	
40 2,2-Dichloropropane	77	5.988	5.994	-0.006	88	571299	5.00	5.43	
43 Propionitrile	54	6.031	6.031	0.000	97	152758	37.5	35.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
45 Methacrylonitrile	67	6.238	6.232	0.006	91	625363	37.5	31.3	
46 Chlorobromomethane	128	6.312	6.305	0.007	91	172465	5.00	5.31	
47 Tetrahydrofuran	71	6.324	6.324	0.000	79	119718	25.0	20.8	
48 Chloroform	83	6.458	6.458	0.000	94	627461	5.00	5.28	
\$ 49 Dibromofluoromethane (Surr)	113	6.677	6.671	0.006	94	590167	10.0	10.1	
50 1,1,1-Trichloroethane	97	6.683	6.683	0.000	98	591333	5.00	5.26	
51 Cyclohexane	56	6.787	6.787	0.000	92	533562	5.00	4.99	
54 Carbon tetrachloride	117	6.897	6.897	0.000	97	534134	5.00	5.14	
53 1,1-Dichloropropene	75	6.897	6.897	0.000	93	470659	5.00	5.38	
55 Isobutyl alcohol	41	7.068	7.061	0.007	91	130973	125.0	110.8	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.129	7.122	0.006	91	113412	10.0	10.3	
57 Benzene	78	7.159	7.159	0.000	97	1379841	5.00	5.41	
58 1,2-Dichloroethane	62	7.226	7.226	0.000	97	399377	5.00	5.10	
60 Tert-amyl methyl ether	73	7.354	7.354	0.000	98	883630	5.00	8.54	
* 61 Fluorobenzene (IS)	96	7.561	7.561	0.000	98	2201209	10.0	10.0	
62 n-Heptane	43	7.580	7.579	0.001	85	446502	5.00	5.09	
63 n-Butanol	56	7.964	7.945	0.019	90	194991	250.0	227.9	
64 Trichloroethene	95	8.043	8.043	0.000	96	367520	5.00	5.11	
65 Methylcyclohexane	83	8.354	8.354	0.000	91	587575	5.00	4.96	
66 1,2-Dichloropropane	63	8.372	8.372	0.000	85	346882	5.00	5.39	
67 Methyl methacrylate	69	8.464	8.463	0.001	89	152254	5.00	3.76	
68 1,4-Dioxane	88	8.494	8.476	0.018	28	27452	125.0	103.2	
69 Dibromomethane	93	8.482	8.482	0.000	93	177834	5.00	5.40	
71 Dichlorobromomethane	83	8.720	8.719	0.001	99	441065	5.00	5.17	
72 2-Nitropropane	41	8.988	8.982	0.006	98	49278	5.00	3.41	
75 1-Bromo-2-chloroethane	63	9.116	9.110	0.006	99	320357	5.00	5.28	
76 cis-1,3-Dichloropropene	75	9.274	9.274	0.000	95	462692	5.00	4.70	
77 4-Methyl-2-pentanone (MIBK)	43	9.445	9.445	0.000	97	2795045	62.5	50.3	
\$ 78 Toluene-d8 (Surr)	98	9.585	9.585	0.000	94	2249255	10.0	10.2	
79 Toluene	92	9.665	9.664	0.001	98	902948	5.00	5.29	
97 trans-1,3-Dichloropropene	75	9.927	9.927	0.000	94	409383	5.00	4.93	
99 Ethyl methacrylate	69	9.994	9.987	0.007	89	317611	5.00	4.93	
100 1,1,2-Trichloroethane	97	10.134	10.128	0.006	93	252846	5.00	5.41	
101 Tetrachloroethene	166	10.219	10.219	0.000	98	458621	5.00	4.98	
102 1,3-Dichloropropane	76	10.293	10.292	0.001	92	418868	5.00	5.44	
103 2-Hexanone	43	10.347	10.347	0.000	97	1961360	62.5	50.6	
105 Chlorodibromomethane	129	10.512	10.512	0.000	89	315235	5.00	4.90	
106 Ethylene Dibromide	107	10.622	10.622	0.000	99	244002	5.00	5.39	
* 107 Chlorobenzene-d5 (IS)	117	11.055	11.054	0.001	85	1721279	10.0	10.0	
108 1-Chlorohexane	91	11.067	11.067	0.000	98	473372	5.00	4.81	
109 Chlorobenzene	112	11.085	11.079	0.006	96	1028708	5.00	5.24	
111 1,1,1,2-Tetrachloroethane	131	11.164	11.164	0.000	95	391447	5.00	5.42	
112 Ethylbenzene	91	11.170	11.170	0.000	98	1785969	5.00	5.37	
113 m-Xylene & p-Xylene	106	11.286	11.286	0.000	93	1428093	10.0	10.8	
114 o-Xylene	106	11.615	11.615	0.000	97	681858	5.00	5.26	
115 Styrene	104	11.628	11.627	0.001	95	1083466	5.00	5.39	
116 Bromoform	173	11.786	11.786	0.000	97	183316	5.00	4.37	
117 Isopropylbenzene	105	11.914	11.914	0.000	96	1820786	5.00	5.35	
\$ 120 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	95	822017	10.0	10.2	
121 1,1,2,2-Tetrachloroethane	83	12.158	12.158	0.000	95	328949	5.00	5.57	
122 Bromobenzene	156	12.176	12.176	0.000	94	465187	5.00	5.28	
123 trans-1,4-Dichloro-2-butene	53	12.188	12.182	0.006	87	287096	25.0	13.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
124 1,2,3-Trichloropropane	110	12.207	12.207	0.000	84	93798	5.00	5.62	
125 N-Propylbenzene	91	12.243	12.243	0.000	99	2117550	5.00	5.47	
126 2-Chlorotoluene	126	12.323	12.322	0.001	97	442957	5.00	5.30	
127 1,3,5-Trimethylbenzene	105	12.384	12.383	0.001	94	1552437	5.00	5.35	
128 4-Chlorotoluene	126	12.414	12.414	0.000	98	451904	5.00	5.42	
129 tert-Butylbenzene	134	12.621	12.621	0.000	93	333739	5.00	4.64	
131 1,2,4-Trimethylbenzene	105	12.664	12.664	0.000	98	1579201	5.00	5.30	
132 sec-Butylbenzene	105	12.786	12.786	0.000	94	2006191	5.00	5.44	
133 1,3-Dichlorobenzene	146	12.883	12.883	0.000	99	888239	5.00	5.36	
134 4-Isopropyltoluene	119	12.896	12.895	0.001	97	1775865	5.00	5.39	
* 135 1,4-Dichlorobenzene-d4	152	12.938	12.938	0.000	96	1071490	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.957	12.956	0.001	95	915140	5.00	5.65	
137 1,2,3-Trimethylbenzene	120	12.969	12.969	0.000	98	696781	5.00	5.06	
138 Benzyl chloride	126	13.036	13.036	0.000	99	134534	5.00	5.78	
139 n-Butylbenzene	92	13.188	13.188	0.000	97	839859	5.00	5.80	
140 1,2-Dichlorobenzene	146	13.219	13.219	0.000	99	833180	5.00	5.30	
142 1,2-Dibromo-3-Chloropropane	155	13.761	13.761	0.000	86	47621	5.00	4.91	
143 1,3,5-Trichlorobenzene	180	13.889	13.889	0.000	97	659777	5.00	5.26	
144 1,2,4-Trichlorobenzene	180	14.310	14.310	0.000	94	527357	5.00	5.23	
145 Hexachlorobutadiene	225	14.389	14.389	0.000	97	289061	5.00	4.99	
146 Naphthalene	128	14.487	14.487	0.000	97	932087	5.00	4.96	
147 1,2,3-Trichlorobenzene	180	14.633	14.633	0.000	95	449374	5.00	4.90	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_QC_Gas826_00137

Amount Added: 12.50

Units: uL

MSV_LCS_VOC#1_00107

Amount Added: 12.50

Units: uL

MSV_LLcentISS_00007

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\IY04X34.D

Injection Date: 04-May-2023 21:59:30

Instrument ID: 19930

Operator ID: MEC29284

Lims ID: LCSD

Worklist Smp#: 5

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

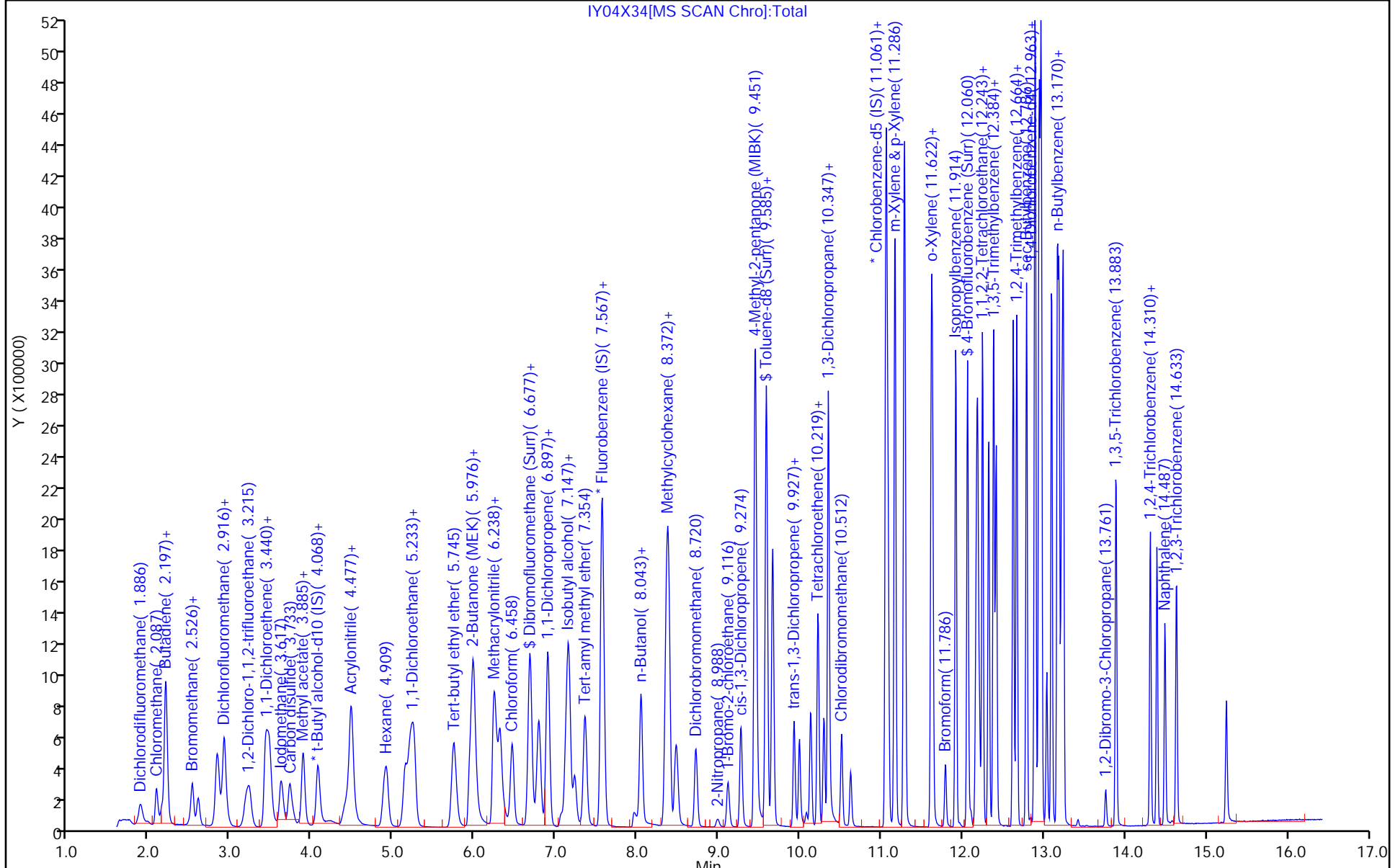
ALS Bottle#: 4

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\IY04X34.D
 Lims ID: LCSD
 Client ID:
 Sample Type: LCSD
 Inject. Date: 04-May-2023 21:59:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083257-005
 Misc. Info.: LCSD
 Operator ID: MEC29284 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 08-May-2023 10:46:39 Calib Date: 21-Mar-2023 06:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230321-79468.b\IM21X17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1614

First Level Reviewer: K4WN Date: 04-May-2023 22:27:21

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	10.1	101.20
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.3	102.53
\$ 78 Toluene-d8 (Surr)	10.0	10.2	101.51
\$ 120 4-Bromofluorobenzene (Surr)	10.0	10.2	101.77

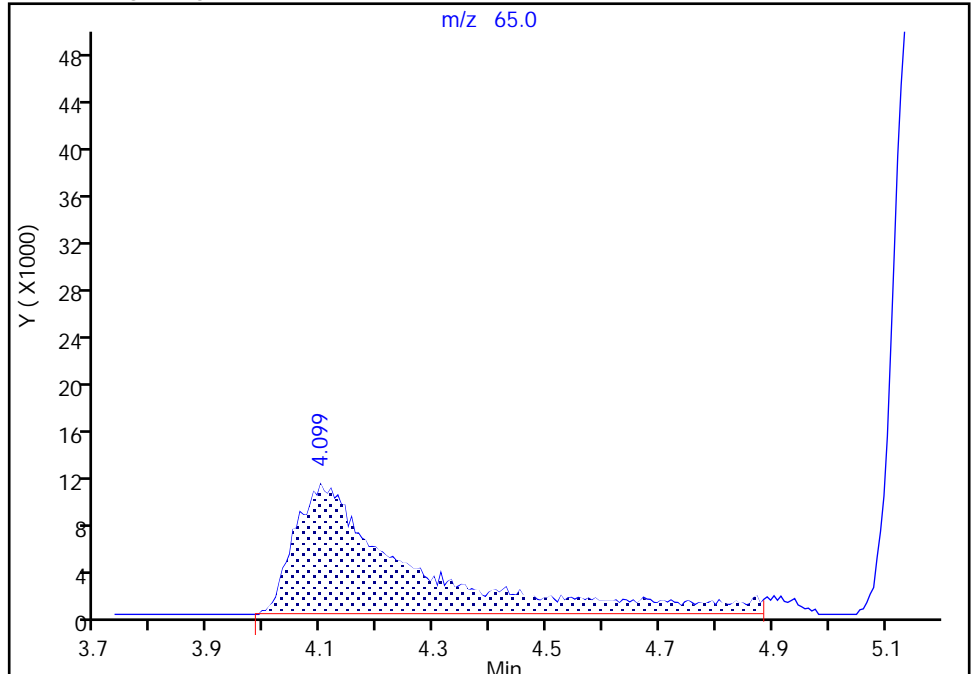
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230504-83257.b\IY04X34.D
Injection Date: 04-May-2023 21:59:30 Instrument ID: 19930
Lims ID: LCSD
Client ID:
Operator ID: MEC29284 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2
Signal: 1

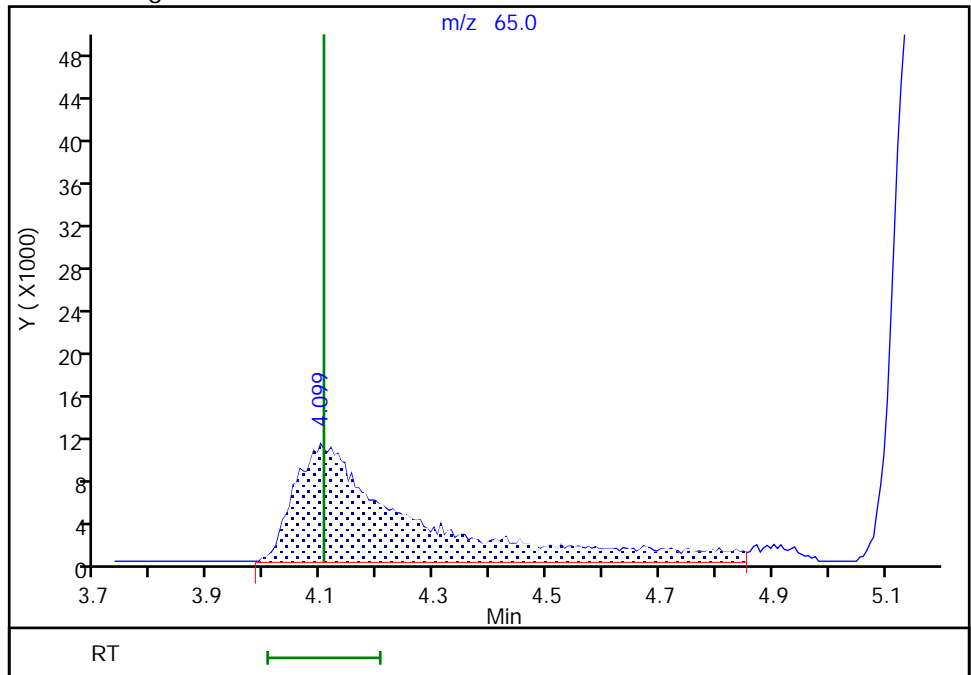
RT: 4.10
Area: 160607
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 4.10
Area: 158421
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 04-May-2023 22:26:35 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCSD 410-373833/5

Matrix: Water

Lab File ID: HY09X04.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 05/09/2023 19:04

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.: 373833

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.52		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.70		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	5.16		0.50	0.080
75-34-3	1,1-Dichloroethane	5.40		0.50	0.10
75-35-4	1,1-Dichloroethene	5.59		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.58		0.50	0.080
107-06-2	1,2-Dichloroethane	5.65		0.50	0.070
78-87-5	1,2-Dichloropropane	5.66		0.50	0.10
78-93-3	2-Butanone (MEK)	57.7		5.0	1.0
591-78-6	2-Hexanone	53.9		5.0	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	51.5		5.0	1.0
67-64-1	Acetone	61.7		5.0	1.0
71-43-2	Benzene	5.78		0.50	0.10
74-97-5	Bromochloromethane	6.25		0.50	0.080
75-27-4	Bromodichloromethane	5.55		0.50	0.080
75-25-2	Bromoform	5.36		1.0	0.30
74-83-9	Bromomethane	5.18		0.50	0.10
75-15-0	Carbon disulfide	5.70		1.0	0.10
56-23-5	Carbon tetrachloride	5.86		0.50	0.10
108-90-7	Chlorobenzene	5.29		0.50	0.070
75-00-3	Chloroethane	4.87		0.50	0.10
67-66-3	Chloroform	5.54		0.50	0.090
74-87-3	Chloromethane	4.82		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.76		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.59		0.50	0.10
124-48-1	Dibromochloromethane	5.33		0.50	0.080
100-41-4	Ethylbenzene	5.32		0.50	0.080
1634-04-4	Methyl tert-butyl ether	5.40		0.50	0.080
75-09-2	Methylene Chloride	5.62		0.50	0.10
100-42-5	Styrene	5.32		0.50	0.070
127-18-4	Tetrachloroethene	5.59		0.50	0.20
108-88-3	Toluene	5.34		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-124489-1
 Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 410-373833/5

Matrix: Water Lab File ID: HY09X04.D

Analysis Method: 8260D Date Collected: _____

Sample wt/vol: 25 (mL) Date Analyzed: 05/09/2023 19:04

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.: 373833 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	5.49		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.28		0.50	0.080
79-01-6	Trichloroethene	5.69		0.50	0.080
75-01-4	Vinyl chloride	4.86		0.50	0.10
1330-20-7	Xylenes, Total	16.1		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	106		80-120
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20230509-83587.b\HY09X04.D
 Lims ID: LCSD
 Client ID:
 Sample Type: LCSD
 Inject. Date: 09-May-2023 19:04:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083587-005
 Misc. Info.: LCSD
 Operator ID: gaw91131 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20230509-83587.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-May-2023 20:17:05 Calib Date: 19-Apr-2023 23:41:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1645

First Level Reviewer: JS6E

Date: 09-May-2023 19:47:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.898	1.892	0.006	99	274911	5.00	4.80	
5 Chloromethane	50	2.087	2.087	0.000	99	365159	5.00	4.82	
6 Vinyl chloride	62	2.203	2.196	0.007	97	343628	5.00	4.86	
7 Butadiene	39	2.203	2.196	0.007	93	375136	5.00	5.17	
9 Bromomethane	94	2.526	2.526	0.000	91	228920	5.00	5.18	
10 Chloroethane	64	2.599	2.593	0.006	100	193097	5.00	4.87	
11 Dichlorofluoromethane	67	2.824	2.824	0.000	97	458083	5.00	4.83	
12 Trichlorofluoromethane	101	2.904	2.898	0.006	97	365162	5.00	4.56	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.202	3.202	0.000	93	287636	5.00	4.62	
16 Acrolein	56	3.288	3.275	0.013	99	168515	37.5	29.7	
17 1,1-Dichloroethene	96	3.416	3.416	0.000	98	220576	5.00	5.59	
19 Acetone	43	3.446	3.446	0.000	100	349646	62.5	61.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.458	3.458	0.000	92	218558	5.00	5.90	
21 Iodomethane	142	3.605	3.605	0.000	98	402708	5.00	5.66	
23 Carbon disulfide	76	3.708	3.708	0.000	99	638805	5.00	5.70	
24 Methyl acetate	43	3.842	3.849	-0.007	98	83618	5.00	4.41	
26 3-Chloro-1-propene	41	3.867	3.867	0.000	93	373581	5.00	5.34	
27 Methylene Chloride	84	4.050	4.050	0.000	93	234675	5.00	5.62	
* 28 t-Butyl alcohol-d10 (IS)	65	4.056	4.068	-0.012	100	85905	50.0	50.0	
29 2-Methyl-2-propanol	59	4.172	4.172	0.000	100	87882	50.0	53.0	
31 Acrylonitrile	53	4.373	4.367	0.006	99	208222	25.0	24.4	
32 Methyl tert-butyl ether	73	4.440	4.434	0.006	95	510991	5.00	5.40	
33 trans-1,2-Dichloroethene	96	4.458	4.458	0.000	99	242213	5.00	5.49	
34 Hexane	57	4.891	4.885	0.006	92	313246	5.00	5.83	
36 1,1-Dichloroethane	63	5.117	5.117	0.000	96	449477	5.00	5.40	
37 Isopropyl ether	45	5.178	5.178	0.000	95	758386	5.00	5.24	
38 2-Chloro-1,3-butadiene	53	5.226	5.226	0.000	91	387154	5.00	5.35	
40 Tert-butyl ethyl ether	59	5.714	5.714	0.000	98	691426	5.00	5.42	
41 2-Butanone (MEK)	43	5.915	5.915	0.000	100	657021	62.5	57.7	
42 cis-1,2-Dichloroethene	96	5.958	5.958	0.000	82	276604	5.00	5.76	
43 2,2-Dichloropropane	77	5.976	5.970	0.006	88	398520	5.00	5.81	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 Propionitrile	54	6.007	6.007	0.000	98	95284	37.5	32.7	
47 Methacrylonitrile	67	6.220	6.220	0.000	92	409444	37.5	31.1	
48 Chlorobromomethane	128	6.293	6.287	0.006	96	111554	5.00	6.25	
49 Tetrahydrofuran	71	6.305	6.299	0.006	83	74670	25.0	24.2	
50 Chloroform	83	6.446	6.446	0.000	93	440920	5.00	5.54	
\$ 52 Dibromofluoromethane (Surr)	113	6.665	6.659	0.006	94	434761	10.0	10.6	
53 1,1,1-Trichloroethane	97	6.671	6.677	-0.006	98	402548	5.00	5.70	
54 Cyclohexane	56	6.781	6.781	0.000	91	418711	5.00	5.54	
55 1,1-Dichloropropene	75	6.891	6.891	0.000	97	360796	5.00	5.89	
56 Carbon tetrachloride	117	6.891	6.891	0.000	94	348382	5.00	5.86	
57 Isobutyl alcohol	41	7.031	7.031	0.000	93	70856	125.0	106.6	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.116	7.116	0.000	93	80722	10.0	10.5	
59 Benzene	78	7.153	7.153	0.000	97	1045899	5.00	5.78	
60 1,2-Dichloroethane	62	7.226	7.226	0.000	97	249591	5.00	5.65	
63 Tert-amyl methyl ether	73	7.348	7.348	0.000	99	598022	5.00	5.60	
* 64 Fluorobenzene (IS)	96	7.561	7.561	0.000	98	1730769	10.0	10.0	
65 n-Heptane	43	7.580	7.580	0.000	93	311344	5.00	6.20	
67 n-Butanol	56	7.933	7.927	0.006	88	148279	250.0	307.6	
68 Trichloroethene	95	8.049	8.049	0.000	99	274743	5.00	5.69	
69 Methylcyclohexane	83	8.366	8.366	0.000	92	415225	5.00	5.80	
70 1,2-Dichloropropane	63	8.384	8.384	0.000	86	265805	5.00	5.66	
71 2-ethoxy-2-methyl butane	87	8.396	8.396	0.000	91	369163	5.00	5.58	
72 Methyl methacrylate	69	8.470	8.470	0.000	93	101745	5.00	4.14	
73 1,4-Dioxane	88	8.476	8.482	-0.006	33	14639	125.0	191.1	
74 Dibromomethane	93	8.494	8.494	0.000	96	114288	5.00	5.98	
76 Dichlorobromomethane	83	8.732	8.732	0.000	99	311339	5.00	5.55	
77 2-Nitropropane	41	8.994	8.994	0.000	99	32556	5.00	4.35	
79 1-Bromo-2-chloroethane	63	9.134	9.128	0.006	99	249814	5.00	5.70	
80 cis-1,3-Dichloropropene	75	9.293	9.287	0.007	96	372363	5.00	5.59	
82 4-Methyl-2-pentanone (MIBK)	43	9.463	9.463	0.000	97	1672324	62.5	51.5	
\$ 83 Toluene-d8 (Surr)	98	9.610	9.610	0.000	93	1792709	10.0	9.42	
84 Toluene	92	9.689	9.689	0.000	98	669945	5.00	5.34	
85 trans-1,3-Dichloropropene	75	9.951	9.951	0.000	93	305760	5.00	5.28	
104 Ethyl methacrylate	69	10.018	10.018	0.000	89	225167	5.00	5.08	
106 1,1,2-Trichloroethane	97	10.158	10.158	0.000	90	164889	5.00	5.16	
107 Tetrachloroethene	166	10.250	10.250	0.000	98	310284	5.00	5.59	
108 1,3-Dichloropropane	76	10.323	10.323	0.000	90	288485	5.00	5.40	
109 2-Hexanone	43	10.372	10.372	0.000	97	1157587	62.5	53.9	
111 Chlorodibromomethane	129	10.542	10.542	0.000	90	207415	5.00	5.33	
112 Ethylene Dibromide	107	10.652	10.652	0.000	98	159828	5.00	5.58	
* 113 Chlorobenzene-d5 (IS)	117	11.091	11.091	0.000	85	1397659	10.0	10.0	
114 1-Chlorohexane	91	11.103	11.103	0.000	98	379489	5.00	5.01	
115 Chlorobenzene	112	11.115	11.115	0.000	96	719692	5.00	5.29	
116 1,1,1,2-Tetrachloroethane	131	11.201	11.201	0.000	96	258585	5.00	5.52	
117 Ethylbenzene	91	11.207	11.207	0.000	98	1311514	5.00	5.32	
119 m-Xylene & p-Xylene	106	11.323	11.323	0.000	100	999757	10.0	10.8	
120 o-Xylene	106	11.652	11.652	0.000	97	478787	5.00	5.33	
121 Styrene	104	11.670	11.670	0.000	95	789085	5.00	5.32	
122 Bromoform	173	11.829	11.829	0.000	98	122093	5.00	5.36	
123 Isopropylbenzene	105	11.957	11.957	0.000	96	1311689	5.00	5.41	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.103	12.103	0.000	92	683564	10.0	9.91	
127 1,1,2,2-Tetrachloroethane	83	12.201	12.201	0.000	93	206015	5.00	4.97	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
128 Bromobenzene	156	12.219	12.219	0.000	95	298688	5.00	5.46	
129 trans-1,4-Dichloro-2-butene	53	12.225	12.225	0.000	91	227861	25.0	22.0	
130 1,2,3-Trichloropropane	110	12.249	12.249	0.000	83	50788	5.00	5.19	
131 N-Propylbenzene	91	12.286	12.286	0.000	99	1566482	5.00	5.18	
132 2-Chlorotoluene	126	12.365	12.365	0.000	97	308004	5.00	5.32	
133 1,3,5-Trimethylbenzene	105	12.426	12.426	0.000	94	1064426	5.00	5.03	
134 4-Chlorotoluene	126	12.457	12.457	0.000	97	310414	5.00	5.24	
135 tert-Butylbenzene	134	12.664	12.664	0.000	93	238739	5.00	5.21	
136 Pentachloroethane	167	12.700	12.700	0.000	95	187976	5.00	5.02	
137 1,2,4-Trimethylbenzene	105	12.707	12.707	0.000	97	1083963	5.00	5.08	
138 sec-Butylbenzene	105	12.829	12.828	0.000	94	1387403	5.00	5.24	
139 1,3-Dichlorobenzene	146	12.932	12.932	0.000	98	582955	5.00	5.18	
140 4-Isopropyltoluene	119	12.938	12.938	0.000	97	1188550	5.00	5.26	
* 141 1,4-Dichlorobenzene-d4	152	12.987	12.987	0.000	94	789170	10.0	10.0	
142 1,4-Dichlorobenzene	146	13.005	13.005	0.000	94	586907	5.00	5.50	
143 1,2,3-Trimethylbenzene	120	13.011	13.011	0.000	99	459298	5.00	4.99	
144 Benzyl chloride	126	13.078	13.078	0.000	98	85175	5.00	5.68	
145 p-Diethylbenzene	119	13.139	13.139	0.000	92	676494	5.00	5.08	
146 n-Butylbenzene	92	13.231	13.231	0.000	98	580569	5.00	5.38	
147 1,2-Dichlorobenzene	146	13.261	13.261	0.000	99	522859	5.00	5.25	
149 1,2-Dibromo-3-Chloropropane	155	13.804	13.804	0.000	88	27477	5.00	5.64	
150 1,3,5-Trichlorobenzene	180	13.932	13.932	0.000	98	439216	5.00	5.59	
151 1,2,4-Trichlorobenzene	180	14.353	14.353	0.000	94	367867	5.00	5.85	
152 Hexachlorobutadiene	225	14.438	14.438	0.000	96	142442	5.00	6.06	
153 Naphthalene	128	14.535	14.535	0.000	97	574501	5.00	5.54	
154 1,2,3-Trichlorobenzene	180	14.676	14.676	0.000	95	293887	5.00	5.89	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

MSV_QC_Gas826_00138	Amount Added: 12.50	Units: uL	
MSV_LCS_VOC#1_00108	Amount Added: 12.50	Units: uL	
MSV_LCS_ACROL_00112	Amount Added: 12.50	Units: uL	
MSV_LCS_Penta_00028	Amount Added: 12.50	Units: uL	
MSV_LLcentISS_00007	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19094\20230509-83587.b\HY09X04.D

Injection Date: 09-May-2023 19:04:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: LCSD

Worklist Smp#: 5

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

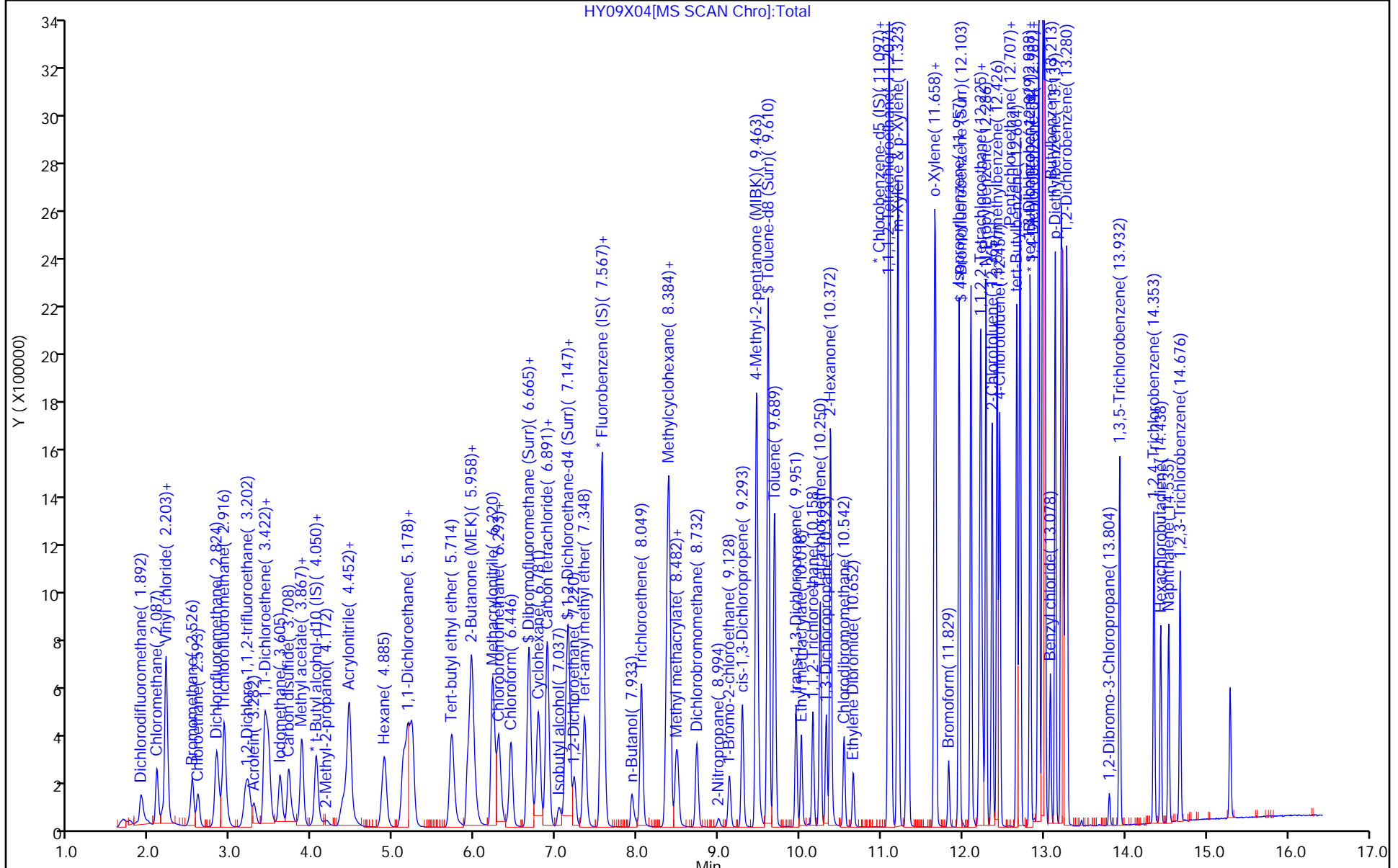
ALS Bottle#: 4

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\20230509-83587.b\HY09X04.D
 Lims ID: LCSD
 Client ID:
 Sample Type: LCSD
 Inject. Date: 09-May-2023 19:04:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083587-005
 Misc. Info.: LCSD
 Operator ID: gaw91131 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20230509-83587.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-May-2023 20:17:05 Calib Date: 19-Apr-2023 23:41:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20230419-81852.b\HA19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1645

First Level Reviewer: JS6E Date: 09-May-2023 19:47:38

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.6	105.71
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.5	105.44
\$ 83 Toluene-d8 (Surr)	10.0	9.42	94.25
\$ 126 4-Bromofluorobenzene (Surr)	10.0	9.91	99.09

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 MS MS

Lab Sample ID: 410-124489-6 MS

Matrix: Water

Lab File ID: CY03X10.D

Analysis Method: 8260D

Date Collected: 04/27/2023 12:15

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 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.: 371870

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.60		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.41		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.53		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.30		0.50	0.080
75-34-3	1,1-Dichloroethane	4.97		0.50	0.10
75-35-4	1,1-Dichloroethene	5.58		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.47		0.50	0.080
107-06-2	1,2-Dichloroethane	4.28		0.50	0.070
78-87-5	1,2-Dichloropropane	4.87		0.50	0.10
78-93-3	2-Butanone (MEK)	63.3		5.0	1.0
591-78-6	2-Hexanone	67.6		5.0	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	62.7		5.0	1.0
67-64-1	Acetone	61.7		5.0	1.0
71-43-2	Benzene	5.14		0.50	0.10
74-97-5	Bromochloromethane	4.88		0.50	0.080
75-27-4	Bromodichloromethane	4.71		0.50	0.080
75-25-2	Bromoform	4.74		1.0	0.30
74-83-9	Bromomethane	4.03		0.50	0.10
75-15-0	Carbon disulfide	4.91		1.0	0.10
56-23-5	Carbon tetrachloride	5.40		0.50	0.10
108-90-7	Chlorobenzene	5.52		0.50	0.070
75-00-3	Chloroethane	4.40		0.50	0.10
67-66-3	Chloroform	5.04		0.50	0.090
74-87-3	Chloromethane	4.23		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	6.33		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.52		0.50	0.10
124-48-1	Dibromochloromethane	5.22		0.50	0.080
100-41-4	Ethylbenzene	5.87		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.44		0.50	0.080
75-09-2	Methylene Chloride	4.89		0.50	0.10
100-42-5	Styrene	5.74		0.50	0.070
127-18-4	Tetrachloroethene	10.4		0.50	0.20
108-88-3	Toluene	5.84		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 MS MS

Lab Sample ID: 410-124489-6 MS

Matrix: Water

Lab File ID: CY03X10.D

Analysis Method: 8260D

Date Collected: 04/27/2023 12:15

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 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.: 371870

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	5.38		0.50	0.080
79-01-6	Trichloroethene	6.11		0.50	0.080
75-01-4	Vinyl chloride	4.31		0.50	0.10
1330-20-7	Xylenes, Total	17.4		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
2037-26-5	Toluene-d8 (Surr)	109		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X10.D
 Lims ID: 410-124489-A-6 MS
 Client ID: HD-COD-SW-15-0/1-0 MS
 Sample Type: MS
 Inject. Date: 04-May-2023 00:10:30 ALS Bottle#: 10 Worklist Smp#: 12
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-012
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:42:54 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: DVW2

Date: 04-May-2023 15:25:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.721	1.715	0.006	99	314206	5.00	4.13	M
5 Chloromethane	50	1.886	1.892	-0.006	99	377847	5.00	4.23	
6 Vinyl chloride	62	1.989	1.983	0.006	98	367935	5.00	4.31	
7 Butadiene	39	2.001	1.995	0.006	91	553549	5.00	6.98	
9 Bromomethane	94	2.270	2.270	0.000	91	234309	5.00	4.03	
10 Chloroethane	64	2.325	2.331	-0.006	100	220410	5.00	4.40	
11 Dichlorofluoromethane	67	2.544	2.544	0.000	97	548302	5.00	4.64	
13 Pentane	43	2.599	2.599	0.000	97	497105	5.00	5.92	
12 Trichlorofluoromethane	101	2.599	2.605	-0.006	98	449461	5.00	4.40	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.867	2.873	-0.006	94	368964	5.00	5.08	
18 1,1-Dichloroethene	96	3.038	3.038	0.000	97	286911	5.00	5.58	
20 Acetone	43	3.068	3.074	-0.006	87	437285	62.6	61.7	M
21 1,1,2-Trichloro-1,2,2-trifluoro	101	3.087	3.087	0.000	93	294932	5.00	5.65	
22 Iodomethane	142	3.209	3.202	0.007	98	519664	5.00	4.84	
23 Ethyl bromide	108	3.227	3.227	0.000	98	187201	4.93	3.61	
24 Isopropyl alcohol	45	3.202	3.233	-0.031	34	52055	37.5	37.9	
25 Carbon disulfide	76	3.330	3.294	0.036	99	877435	5.00	4.91	M
26 Methyl acetate	43	3.428	3.416	0.012	96	103855	5.00	4.57	
29 3-Chloro-1-propene	41	3.434	3.434	0.000	90	444678	5.00	4.82	
30 Methylene Chloride	84	3.593	3.593	0.000	93	301211	5.00	4.89	
* 31 t-Butyl alcohol-d10 (IS)	65	3.623	3.629	-0.006	95	148619	50.0	50.0	
32 2-Methyl-2-propanol	59	3.727	3.745	-0.018	99	140030	50.0	49.1	
33 Acrylonitrile	53	3.910	3.897	0.013	99	244399	25.0	23.8	
34 Methyl tert-butyl ether	73	3.940	3.940	0.000	95	788618	5.00	4.44	
35 trans-1,2-Dichloroethene	96	3.946	3.946	0.000	99	317510	5.00	5.05	
36 Hexane	57	4.330	4.330	0.000	93	469201	5.00	5.88	
37 1,1-Dichloroethane	63	4.574	4.574	0.000	96	565071	5.00	4.97	
39 Isopropyl ether	45	4.641	4.641	0.000	93	947263	5.00	4.58	
40 2-Chloro-1,3-butadiene	53	4.690	4.690	0.000	91	477796	5.00	5.18	
41 Tert-butyl ethyl ether	59	5.190	5.196	-0.006	98	956521	5.00	4.59	
42 2-Butanone (MEK)	43	5.409	5.409	0.000	99	888664	62.6	63.3	
43 cis-1,2-Dichloroethene	96	5.434	5.434	0.000	82	435069	5.00	6.33	

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	5.446	5.446	0.000	87	512304	5.00	5.09	
45 Propionitrile	54	5.525	5.513	0.012	97	113496	37.5	37.0	
47 Methacrylonitrile	67	5.714	5.720	-0.006	91	591747	37.5	39.3	
48 Chlorobromomethane	128	5.775	5.769	0.006	91	156143	5.00	4.88	
49 Tetrahydrofuran	71	5.787	5.793	-0.006	78	104750	25.0	23.3	
50 Chloroform	83	5.934	5.934	0.000	93	574086	5.00	5.04	
53 1,1,1-Trichloroethane	97	6.147	6.153	-0.006	93	542746	5.00	5.41	
\$ 54 Dibromofluoromethane (Surr)	113	6.153	6.153	0.000	94	500098	10.0	9.45	
55 Cyclohexane	56	6.245	6.245	0.000	91	577357	5.00	5.66	
56 Carbon tetrachloride	117	6.366	6.366	0.000	96	463554	5.00	5.40	
57 1,1-Dichloropropene	75	6.373	6.373	0.000	97	459930	5.00	5.41	
58 Isobutyl alcohol	41	6.629	6.598	0.031	77	90614	125.1	125.9	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.610	6.610	0.000	98	107339	10.0	10.3	
60 Benzene	78	6.635	6.641	-0.006	97	1334950	5.00	5.14	
61 1,2-Dichloroethane	62	6.714	6.720	-0.006	98	320960	5.00	4.28	
64 Tert-amyl methyl ether	73	6.848	6.854	-0.006	99	885513	5.00	4.61	
* 65 Fluorobenzene (IS)	96	7.061	7.061	0.000	98	2032012	10.0	10.0	
66 n-Heptane	43	7.080	7.080	0.000	91	508453	5.00	6.09	
67 n-Butanol	56	7.574	7.525	0.049	90	127449	250.2	208.8	
68 Trichloroethene	95	7.549	7.555	-0.006	97	420763	5.00	6.11	
69 Methylcyclohexane	83	7.854	7.854	0.000	90	640120	5.00	5.80	
70 1,2-Dichloropropane	63	7.891	7.891	0.000	97	332097	5.00	4.87	
71 2-ethoxy-2-methyl butane	87	7.921	7.915	0.006	94	509092	5.00	4.66	
72 Dibromomethane	93	8.006	8.006	0.000	95	157708	5.00	4.68	
73 Methyl methacrylate	69	8.006	8.006	0.000	91	142144	5.00	4.80	
74 1,4-Dioxane	88	8.025	8.006	0.019	30	22186	125.1	140.9	
76 Dichlorobromomethane	83	8.250	8.250	0.000	99	405268	5.00	4.71	
77 2-Nitropropane	41	8.537	8.537	0.000	98	41727	5.00	4.41	
78 1-Bromo-2-chloroethane	63	8.647	8.647	0.000	98	327118	5.00	4.57	
80 cis-1,3-Dichloropropene	75	8.829	8.829	0.000	96	476997	5.00	4.52	
82 4-Methyl-2-pentanone (MIBK)	43	9.031	9.037	-0.006	96	2440625	62.6	62.7	
\$ 83 Toluene-d8 (Surr)	98	9.159	9.165	-0.006	93	2119891	10.0	10.9	
84 Toluene	92	9.244	9.250	-0.006	98	872593	5.00	5.84	
85 trans-1,3-Dichloropropene	75	9.555	9.555	0.000	93	401991	5.00	5.38	
86 Ethyl methacrylate	69	9.634	9.634	0.000	89	333688	5.00	5.52	
87 1,1,2-Trichloroethane	97	9.768	9.768	0.000	91	235399	5.00	5.30	
88 Tetrachloroethene	166	9.848	9.854	-0.006	98	732703	5.00	10.4	
89 1,3-Dichloropropane	76	9.939	9.939	0.000	91	395189	5.00	5.52	
106 2-Hexanone	43	10.018	10.018	0.000	95	1713462	62.6	67.6	
108 Chlorodibromomethane	129	10.171	10.171	0.000	90	291794	5.00	5.22	
110 Ethylene Dibromide	107	10.280	10.280	0.000	98	228969	5.00	5.47	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.744	0.000	84	1622377	10.0	10.0	
112 1-Chlorohexane	91	10.762	10.762	0.000	98	488749	5.00	5.74	
113 Chlorobenzene	112	10.768	10.768	0.000	95	982231	5.00	5.52	
114 1,1,1,2-Tetrachloroethane	131	10.860	10.860	0.000	96	345787	5.00	5.60	
115 Ethylbenzene	91	10.866	10.866	0.000	98	1692793	5.00	5.87	
116 m-Xylene & p-Xylene	106	10.988	10.988	0.000	97	1365031	10.0	11.7	
118 o-Xylene	106	11.329	11.329	0.000	97	659378	5.00	5.71	
119 Styrene	104	11.347	11.347	0.000	95	1084399	5.00	5.74	
120 Bromoform	173	11.506	11.506	0.000	97	167420	5.00	4.74	
121 Isopropylbenzene	105	11.646	11.646	0.000	95	1762614	5.00	5.94	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	93	802512	10.0	9.69	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
125 Bromobenzene	156	11.908	11.908	0.000	90	437799	5.00	5.89	
126 1,1,2,2-Tetrachloroethane	83	11.908	11.908	0.000	71	298212	5.00	5.53	
127 trans-1,4-Dichloro-2-butene	53	11.939	11.932	0.007	86	193686	25.0	15.0	
128 1,2,3-Trichloropropane	110	11.951	11.951	0.000	81	78449	5.00	5.53	
129 N-Propylbenzene	91	11.987	11.987	0.000	99	2021086	5.00	6.11	
130 2-Chlorotoluene	126	12.060	12.061	0.000	97	417251	5.00	5.83	
131 1,3,5-Trimethylbenzene	105	12.128	12.128	0.000	94	1485706	5.00	5.99	
132 4-Chlorotoluene	126	12.158	12.158	0.000	97	436473	5.00	5.92	
133 tert-Butylbenzene	134	12.371	12.378	-0.007	93	317580	5.00	5.57	
135 1,2,4-Trimethylbenzene	105	12.420	12.420	0.000	97	1522477	5.00	5.94	
136 sec-Butylbenzene	105	12.542	12.542	0.000	94	1991886	5.00	6.33	
137 1,3-Dichlorobenzene	146	12.640	12.640	0.000	99	842773	5.00	5.84	
138 4-Isopropyltoluene	119	12.658	12.658	0.000	97	1730793	5.00	6.16	
* 139 1,4-Dichlorobenzene-d4	152	12.695	12.695	-0.001	94	963726	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.713	12.713	0.000	95	878762	5.00	6.05	
141 1,2,3-Trimethylbenzene	120	12.731	12.731	0.000	98	674784	5.00	5.69	
142 Benzyl chloride	126	12.798	12.798	0.000	98	129476	5.00	5.90	
143 n-Butylbenzene	92	12.951	12.951	0.000	97	829425	5.00	6.34	
144 1,2-Dichlorobenzene	146	12.981	12.981	0.000	99	777072	5.00	5.77	
145 p-Diethylbenzene	119	13.005	13.005	0.000	86	849605	5.00	4.91	
148 1,2-Dibromo-3-Chloropropane	155	13.542	13.542	0.000	88	39329	5.00	5.40	
149 1,3,5-Trichlorobenzene	180	13.664	13.664	0.000	98	680461	5.00	6.01	
150 1,2,4-Trichlorobenzene	180	14.091	14.091	0.000	94	536244	5.00	6.20	
151 Hexachlorobutadiene	225	14.176	14.176	0.000	96	330219	5.00	6.48	
152 Naphthalene	128	14.273	14.273	0.000	97	831467	5.00	6.00	
153 1,2,3-Trichlorobenzene	180	14.420	14.420	0.000	95	423806	5.00	6.19	
154 2-Methylnaphthalene	142	15.017	15.017	0.000	94	320816	5.00	4.74	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00107

Amount Added: 5.38

Units: uL

LCS_ETBR_00005

Amount Added: 5.38

Units: uL

MSV_QC_Gas826_00137

Amount Added: 5.38

Units: uL

MSV_HP25_ISSS_00069

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X10.D

Injection Date: 04-May-2023 00:10:30

Instrument ID: 10193

Operator ID: gaw91131

Lims ID: 410-124489-A-6 MS

Worklist Smp#: 12

Client ID: HD-COD-SW-15-0/1-0 MS

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

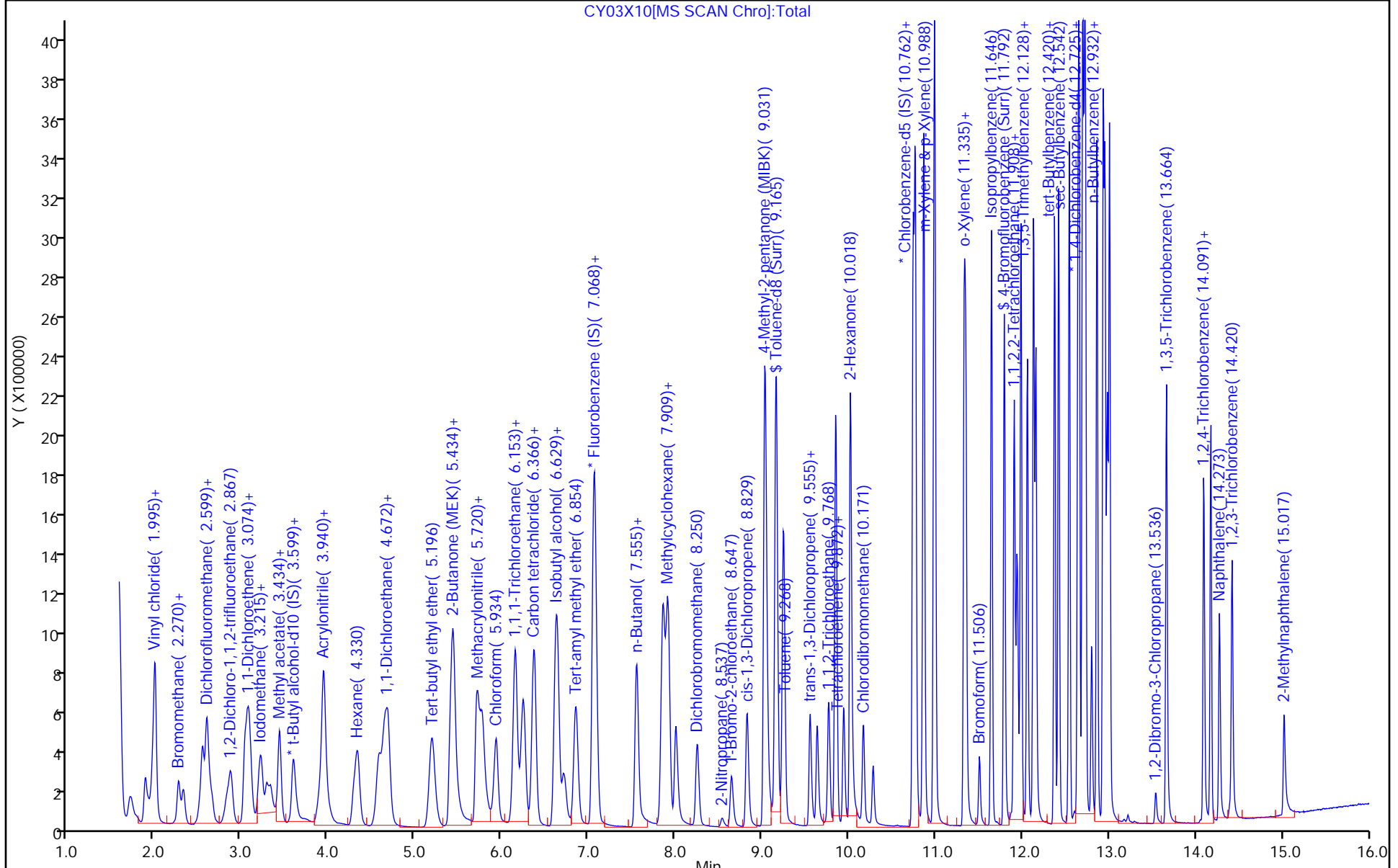
ALS Bottle#: 10

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X10.D
 Lims ID: 410-124489-A-6 MS
 Client ID: HD-COD-SW-15-0/1-0 MS
 Sample Type: MS
 Inject. Date: 04-May-2023 00:10:30 ALS Bottle#: 10 Worklist Smp#: 12
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-012
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:42:54 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: DVW2

Date: 04-May-2023 15:25:17

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	9.45	94.50
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.3	102.91
\$ 83 Toluene-d8 (Surr)	10.0	10.9	109.40
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.69	96.90

Eurofins Lancaster Laboratories Environment Testing, LLC

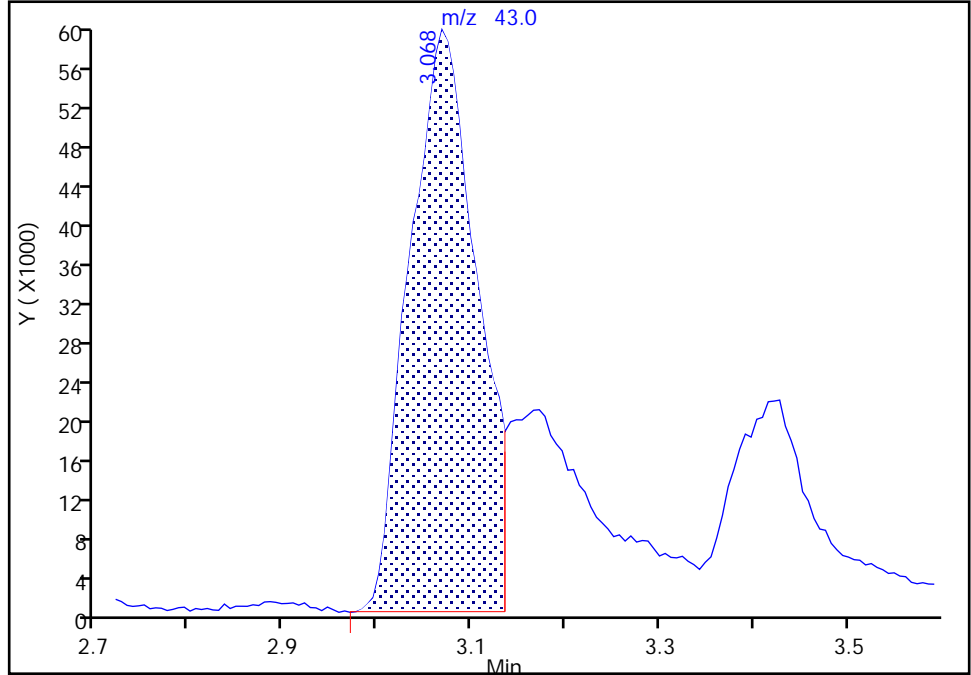
Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X10.D
Injection Date: 04-May-2023 00:10:30 Instrument ID: 10193
Lims ID: 410-124489-A-6 MS
Client ID: HD-COD-SW-15-0/1-0 MS
Operator ID: gaw91131 ALS Bottle#: 10 Worklist Smp#: 12
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

20 Acetone, CAS: 67-64-1

Signal: 1

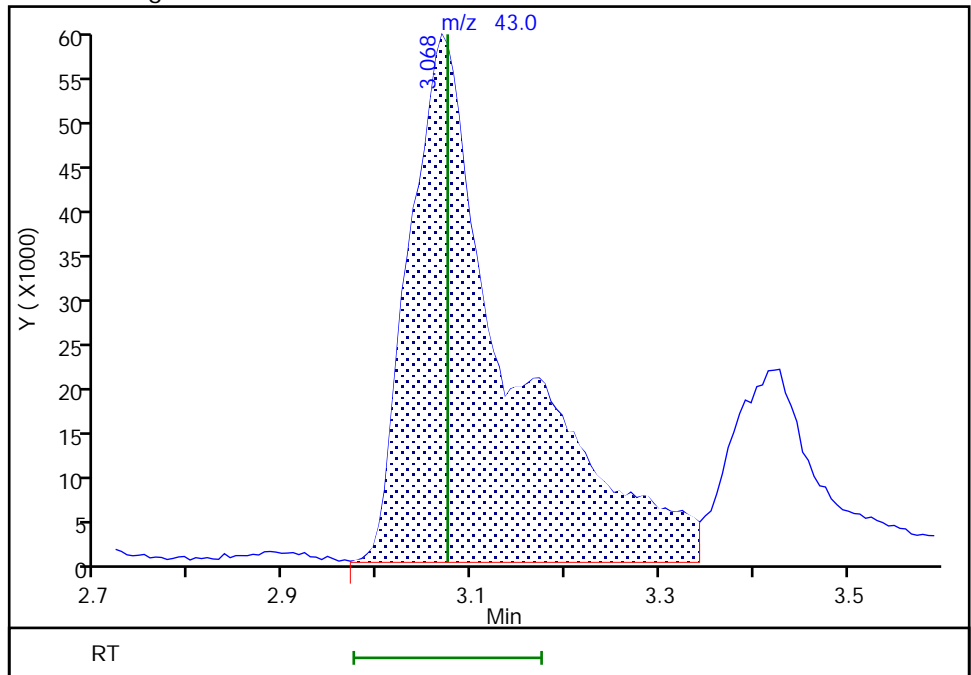
RT: 3.07
Area: 296656
Amount: 41.889230
Amount Units: ug/l

Processing Integration Results



RT: 3.07
Area: 437285
Amount: 61.746710
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-May-2023 15:24:07 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

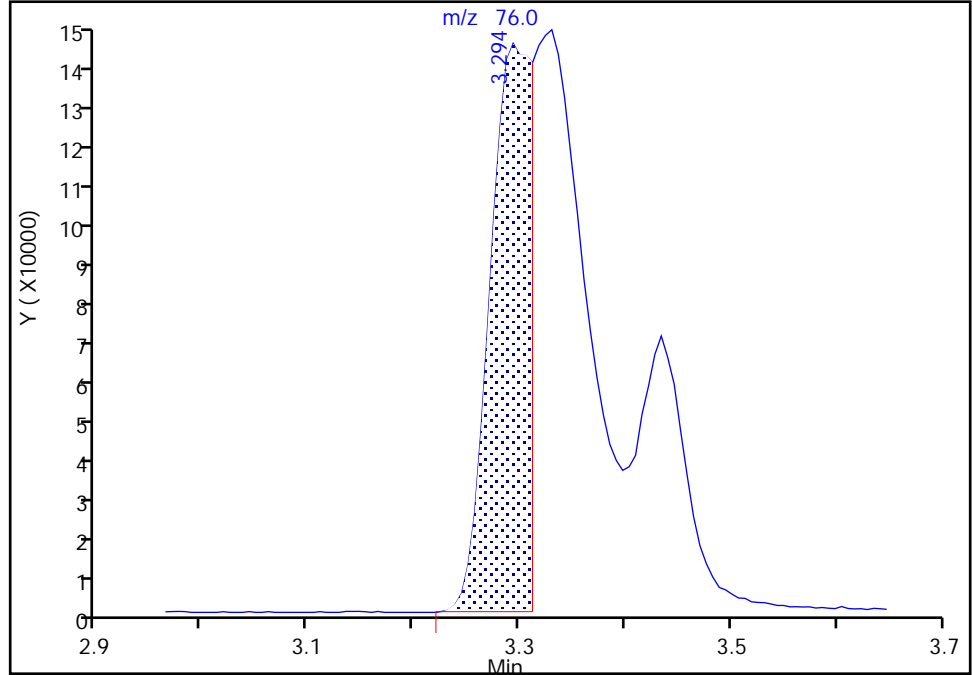
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Injection Date: 04-May-2023 00:10:30 Instrument ID: 10193
Lims ID: 410-124489-A-6 MS
Client ID: HD-COD-SW-15-0/1-0 MS
Operator ID: gaw91131 ALS Bottle#: 10 Worklist Smp#: 12
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

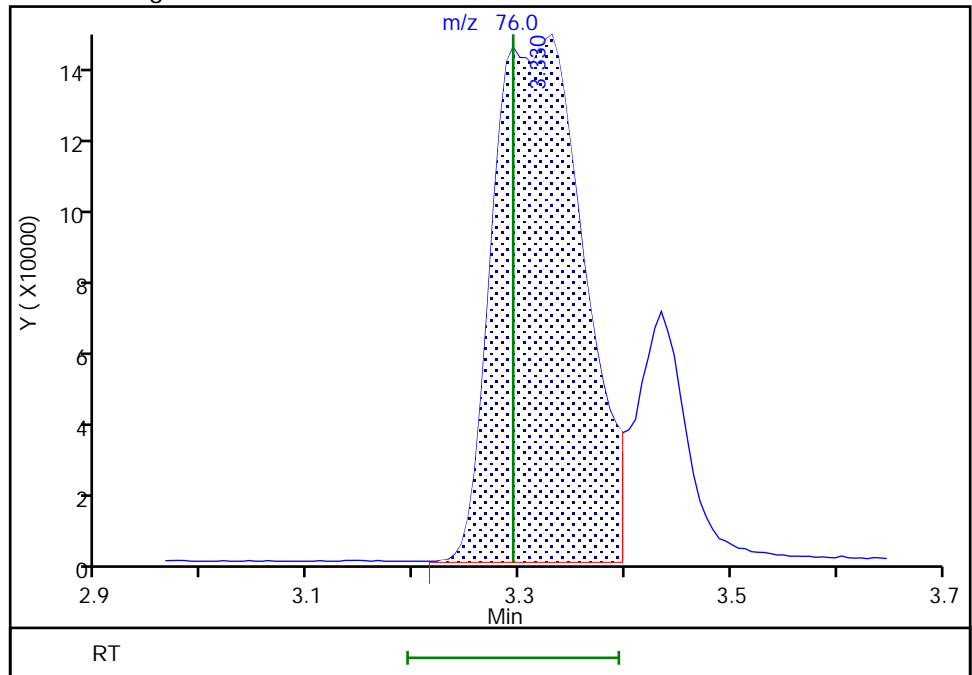
RT: 3.29
Area: 399579
Amount: 2.234995
Amount Units: ug/l

Processing Integration Results



RT: 3.33
Area: 877435
Amount: 4.907823
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-May-2023 15:24:27 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-124489-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 MSD
MSD

Lab Sample ID: 410-124489-6 MSD

Matrix: Water

Lab File ID: CY03X11.D

Analysis Method: 8260D

Date Collected: 04/27/2023 12:15

Sample wt/vol: 25 (mL)

Date Analyzed: 05/04/2023 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.: 371870

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.53		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.29		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.43		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.27		0.50	0.080
75-34-3	1,1-Dichloroethane	4.90		0.50	0.10
75-35-4	1,1-Dichloroethene	5.48		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.36		0.50	0.080
107-06-2	1,2-Dichloroethane	4.44		0.50	0.070
78-87-5	1,2-Dichloropropane	4.79		0.50	0.10
78-93-3	2-Butanone (MEK)	62.8		5.0	1.0
591-78-6	2-Hexanone	66.8		5.0	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	63.7		5.0	1.0
67-64-1	Acetone	61.5		5.0	1.0
71-43-2	Benzene	5.01		0.50	0.10
74-97-5	Bromochloromethane	4.76		0.50	0.080
75-27-4	Bromodichloromethane	4.58		0.50	0.080
75-25-2	Bromoform	4.62		1.0	0.30
74-83-9	Bromomethane	4.01		0.50	0.10
75-15-0	Carbon disulfide	4.87		1.0	0.10
56-23-5	Carbon tetrachloride	5.25		0.50	0.10
108-90-7	Chlorobenzene	5.51		0.50	0.070
75-00-3	Chloroethane	4.34		0.50	0.10
67-66-3	Chloroform	4.99		0.50	0.090
74-87-3	Chloromethane	4.18		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	6.30		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.40		0.50	0.10
124-48-1	Dibromochloromethane	5.07		0.50	0.080
100-41-4	Ethylbenzene	5.77		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.35		0.50	0.080
75-09-2	Methylene Chloride	4.79		0.50	0.10
100-42-5	Styrene	5.73		0.50	0.070
127-18-4	Tetrachloroethene	10.3		0.50	0.20
108-88-3	Toluene	5.75		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-124489-1
 Environment Testing, LLC

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 MSD Lab Sample ID: 410-124489-6 MSD
 MSD

Matrix: Water Lab File ID: CY03X11.D

Analysis Method: 8260D Date Collected: 04/27/2023 12:15

Sample wt/vol: 25 (mL) Date Analyzed: 05/04/2023 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.: 371870 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	4.93		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.32		0.50	0.080
79-01-6	Trichloroethene	5.97		0.50	0.080
75-01-4	Vinyl chloride	4.26		0.50	0.10
1330-20-7	Xylenes, Total	17.2		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	93		80-120
2037-26-5	Toluene-d8 (Surr)	110		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X11.D
 Lims ID: 410-124489-A-6 MSD
 Client ID: HD-COD-SW-15-0/1-0 MSD
 Sample Type: MSD
 Inject. Date: 04-May-2023 00:32:30 ALS Bottle#: 11 Worklist Smp#: 13
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-013
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:42:54 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: DVW2

Date: 04-May-2023 15:26:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.733	1.715	0.018	99	310498	5.00	4.03	
5 Chloromethane	50	1.898	1.892	0.006	99	377377	5.00	4.18	
6 Vinyl chloride	62	1.995	1.983	0.012	98	368107	5.00	4.26	
7 Butadiene	39	2.007	1.995	0.012	91	550030	5.00	6.85	
9 Bromomethane	94	2.282	2.270	0.012	90	235800	5.00	4.01	
10 Chloroethane	64	2.337	2.331	0.006	100	219936	5.00	4.34	
11 Dichlorofluoromethane	67	2.556	2.544	0.012	97	551274	5.00	4.61	
13 Pentane	43	2.605	2.599	0.006	97	498557	5.00	5.87	
12 Trichlorofluoromethane	101	2.611	2.605	0.006	98	448510	5.00	4.34	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.879	2.873	0.006	93	363566	5.00	4.95	
18 1,1-Dichloroethene	96	3.056	3.038	0.018	98	285161	5.00	5.48	
20 Acetone	43	3.080	3.074	0.006	98	434056	62.6	61.5	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	3.099	3.087	0.012	93	284520	5.00	5.39	
22 Iodomethane	142	3.215	3.202	0.013	99	509304	5.00	4.69	
23 Ethyl bromide	108	3.233	3.227	0.006	98	187236	4.93	3.57	
24 Isopropyl alcohol	45	3.245	3.233	0.012	32	52585	37.5	38.4	
25 Carbon disulfide	76	3.336	3.294	0.042	99	880487	5.00	4.87	M
26 Methyl acetate	43	3.434	3.416	0.018	35	109803	5.00	4.85	
29 3-Chloro-1-propene	41	3.446	3.434	0.012	90	446771	5.00	4.78	
30 Methylene Chloride	84	3.611	3.593	0.018	92	298172	5.00	4.79	
* 31 t-Butyl alcohol-d10 (IS)	65	3.660	3.629	0.031	95	148192	50.0	50.0	
32 2-Methyl-2-propanol	59	3.757	3.745	0.012	98	95064	50.0	33.5	
33 Acrylonitrile	53	3.903	3.897	0.006	97	245704	25.0	24.0	
34 Methyl tert-butyl ether	73	3.952	3.940	0.012	94	781867	5.00	4.35	
35 trans-1,2-Dichloroethene	96	3.958	3.946	0.012	99	313748	5.00	4.93	
36 Hexane	57	4.342	4.330	0.012	92	462969	5.00	5.73	
37 1,1-Dichloroethane	63	4.586	4.574	0.012	96	563909	5.00	4.90	
39 Isopropyl ether	45	4.653	4.641	0.012	95	947359	5.00	4.53	
40 2-Chloro-1,3-butadiene	53	4.696	4.690	0.006	91	473092	5.00	5.07	
41 Tert-butyl ethyl ether	59	5.202	5.196	0.006	97	955019	5.00	4.53	
42 2-Butanone (MEK)	43	5.415	5.409	0.006	99	878966	62.6	62.8	
43 cis-1,2-Dichloroethene	96	5.446	5.434	0.012	82	438200	5.00	6.30	

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	5.446	5.446	0.000	88	511403	5.00	5.02	M
45 Propionitrile	54	5.531	5.513	0.018	97	122530	37.5	40.1	
47 Methacrylonitrile	67	5.720	5.720	0.000	94	576342	37.5	38.4	
48 Chlorobromomethane	128	5.781	5.769	0.012	92	154158	5.00	4.76	
49 Tetrahydrofuran	71	5.787	5.793	-0.006	87	108940	25.0	24.3	
50 Chloroform	83	5.940	5.934	0.006	94	574817	5.00	4.99	
53 1,1,1-Trichloroethane	97	6.159	6.153	0.006	98	537096	5.00	5.29	
\$ 54 Dibromofluoromethane (Surr)	113	6.159	6.153	0.006	94	498637	10.0	9.32	
55 Cyclohexane	56	6.257	6.245	0.012	90	568636	5.00	5.51	
56 Carbon tetrachloride	117	6.372	6.366	0.006	97	456173	5.00	5.25	
57 1,1-Dichloropropene	75	6.379	6.373	0.006	97	457219	5.00	5.32	
58 Isobutyl alcohol	41	6.628	6.598	0.030	56	85573	125.1	119.3	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.622	6.610	0.012	99	102452	10.0	9.71	
60 Benzene	78	6.641	6.641	0.000	97	1315706	5.00	5.01	
61 1,2-Dichloroethane	62	6.720	6.720	0.000	97	336938	5.00	4.44	
64 Tert-amyl methyl ether	73	6.860	6.854	0.006	98	883822	5.00	4.55	
* 65 Fluorobenzene (IS)	96	7.067	7.061	0.006	98	2055421	10.0	10.0	
66 n-Heptane	43	7.086	7.080	0.006	91	493726	5.00	5.85	
67 n-Butanol	56	7.580	7.525	0.055	91	130438	250.2	213.2	
68 Trichloroethene	95	7.555	7.555	0.000	98	415781	5.00	5.97	
69 Methylcyclohexane	83	7.860	7.854	0.006	91	627011	5.00	5.61	
70 1,2-Dichloropropane	63	7.890	7.891	-0.001	97	330136	5.00	4.79	
71 2-ethoxy-2-methyl butane	87	7.921	7.915	0.006	93	505062	5.00	4.57	
72 Dibromomethane	93	8.006	8.006	0.000	94	155434	5.00	4.56	
73 Methyl methacrylate	69	8.012	8.006	0.006	92	153515	5.00	5.20	
74 1,4-Dioxane	88	8.037	8.006	0.031	61	22454	125.1	143.0	
76 Dichlorobromomethane	83	8.256	8.250	0.006	99	398735	5.00	4.58	
77 2-Nitropropane	41	8.543	8.537	0.006	98	41964	5.00	4.45	
78 1-Bromo-2-chloroethane	63	8.646	8.647	-0.001	99	327328	5.00	4.52	
80 cis-1,3-Dichloropropene	75	8.829	8.829	0.000	96	469540	5.00	4.40	
82 4-Methyl-2-pentanone (MIBK)	43	9.037	9.037	0.000	96	2472150	62.6	63.7	
\$ 83 Toluene-d8 (Surr)	98	9.165	9.165	0.000	93	2138842	10.0	11.0	
84 Toluene	92	9.250	9.250	0.000	98	858900	5.00	5.75	
85 trans-1,3-Dichloropropene	75	9.555	9.555	0.000	93	397924	5.00	5.32	
86 Ethyl methacrylate	69	9.634	9.634	0.000	89	326786	5.00	5.40	
87 1,1,2-Trichloroethane	97	9.768	9.768	0.000	91	234326	5.00	5.27	
88 Tetrachloroethene	166	9.853	9.854	-0.001	98	724326	5.00	10.3	
89 1,3-Dichloropropane	76	9.945	9.939	0.006	91	393811	5.00	5.50	
106 2-Hexanone	43	10.018	10.018	0.000	96	1687933	62.6	66.8	
108 Chlorodibromomethane	129	10.170	10.171	-0.001	90	283794	5.00	5.07	
110 Ethylene Dibromide	107	10.280	10.280	0.000	98	224292	5.00	5.36	
* 111 Chlorobenzene-d5 (IS)	117	10.744	10.744	0.000	85	1623064	10.0	10.0	
112 1-Chlorohexane	91	10.768	10.762	0.006	98	482190	5.00	5.66	
113 Chlorobenzene	112	10.768	10.768	0.000	96	979573	5.00	5.51	
114 1,1,1,2-Tetrachloroethane	131	10.859	10.860	-0.001	95	341800	5.00	5.53	
115 Ethylbenzene	91	10.865	10.866	-0.001	98	1664422	5.00	5.77	
116 m-Xylene & p-Xylene	106	10.987	10.988	-0.001	97	1340414	10.0	11.5	
118 o-Xylene	106	11.329	11.329	0.000	97	653017	5.00	5.65	
119 Styrene	104	11.353	11.347	0.006	95	1081347	5.00	5.73	
120 Bromoform	173	11.506	11.506	0.000	98	163199	5.00	4.62	
121 Isopropylbenzene	105	11.646	11.646	0.000	95	1731822	5.00	5.84	
\$ 124 4-Bromofluorobenzene (Surr)	95	11.792	11.792	0.000	92	801334	10.0	9.67	

Compound	Sig	RT (min.)	Exp RT (min.)	Diff RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
125 Bromobenzene	156	11.908	11.908	0.000	90	430931	5.00	5.67	
126 1,1,2,2-Tetrachloroethane	83	11.908	11.908	0.000	71	300023	5.00	5.43	
127 trans-1,4-Dichloro-2-butene	53	11.938	11.932	0.006	87	199661	25.0	15.1	
128 1,2,3-Trichloropropane	110	11.951	11.951	0.000	81	77356	5.00	5.33	
129 N-Propylbenzene	91	11.987	11.987	0.000	99	2013118	5.00	5.94	
130 2-Chlorotoluene	126	12.060	12.061	0.000	97	417475	5.00	5.71	
131 1,3,5-Trimethylbenzene	105	12.127	12.128	-0.001	94	1489406	5.00	5.86	
132 4-Chlorotoluene	126	12.158	12.158	0.000	97	426201	5.00	5.65	
133 tert-Butylbenzene	134	12.371	12.378	-0.007	93	316472	5.00	5.42	
135 1,2,4-Trimethylbenzene	105	12.420	12.420	0.000	97	1506630	5.00	5.75	
136 sec-Butylbenzene	105	12.542	12.542	0.000	94	1952342	5.00	6.07	
137 1,3-Dichlorobenzene	146	12.640	12.640	0.000	98	832400	5.00	5.64	
138 4-Isopropyltoluene	119	12.658	12.658	0.000	97	1706743	5.00	5.93	
* 139 1,4-Dichlorobenzene-d4	152	12.700	12.695	0.005	93	986179	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.713	12.713	0.000	95	881178	5.00	5.92	
141 1,2,3-Trimethylbenzene	120	12.731	12.731	0.000	98	662929	5.00	5.46	
142 Benzyl chloride	126	12.798	12.798	0.000	98	128220	5.00	5.71	
143 n-Butylbenzene	92	12.950	12.951	-0.001	96	828794	5.00	6.19	
144 1,2-Dichlorobenzene	146	12.981	12.981	0.000	99	778544	5.00	5.65	
145 p-Diethylbenzene	119	13.005	13.005	0.000	86	832680	5.00	4.70	
148 1,2-Dibromo-3-Chloropropane	155	13.542	13.542	0.000	89	40628	5.00	5.45	
149 1,3,5-Trichlorobenzene	180	13.664	13.664	0.000	98	683225	5.00	5.90	
150 1,2,4-Trichlorobenzene	180	14.097	14.091	0.006	94	556939	5.00	6.29	
151 Hexachlorobutadiene	225	14.176	14.176	0.000	96	332682	5.00	6.38	
152 Naphthalene	128	14.273	14.273	0.000	96	886005	5.00	6.25	
153 1,2,3-Trichlorobenzene	180	14.420	14.420	0.000	96	445769	5.00	6.37	
154 2-Methylnaphthalene	142	15.017	15.017	0.000	92	382921	5.00	5.49	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00107

Amount Added: 5.38

Units: uL

LCS_ETBR_00005

Amount Added: 5.38

Units: uL

MSV_QC_Gas826_00137

Amount Added: 5.38

Units: uL

MSV_HP25_ISSS_00069

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X11.D

Injection Date: 04-May-2023 00:32:30

Instrument ID: 10193

Operator ID: gaw91131

Lims ID: 410-124489-A-6 MSD

Worklist Smp#: 13

Client ID: HD-COD-SW-15-0/1-0 MSD

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

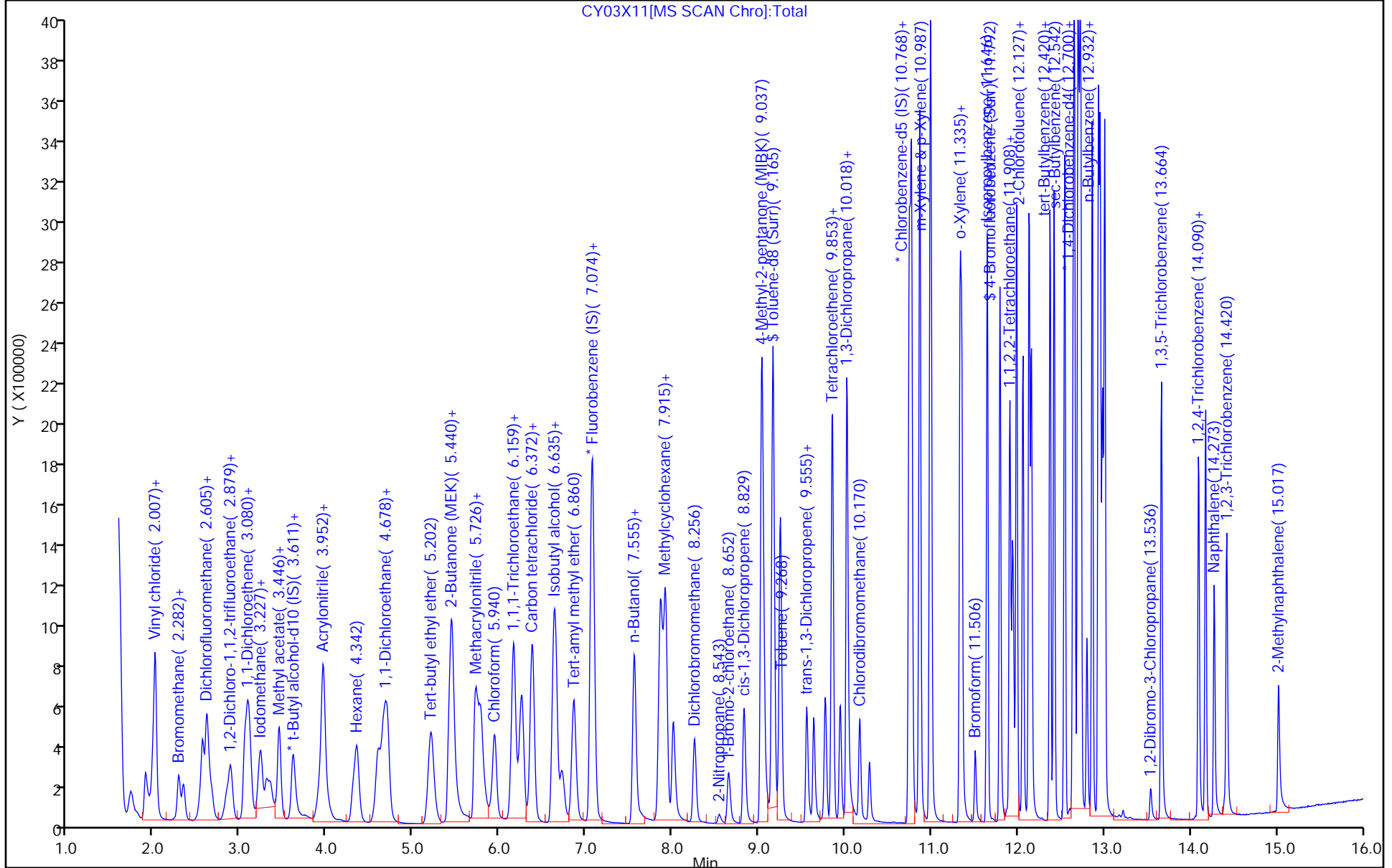
ALS Bottle#: 11

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\20230503-83144.b\CY03X11.D
 Lims ID: 410-124489-A-6 MSD
 Client ID: HD-COD-SW-15-0/1-0 MSD
 Sample Type: MSD
 Inject. Date: 04-May-2023 00:32:30 ALS Bottle#: 11 Worklist Smp#: 13
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0083144-013
 Operator ID: gaw91131 Instrument ID: 10193
 Method: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\MSV_10193_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-May-2023 15:42:54 Calib Date: 01-May-2023 21:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\10193\20230501-82854.b\CY01X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: DVW2

Date: 04-May-2023 15:26:42

Compound	Amount Added	Amount Recovered	% Rec.
\$ 54 Dibromofluoromethane (Surr)	10.0	9.32	93.15
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.71	97.11
\$ 83 Toluene-d8 (Surr)	10.0	11.0	110.33
\$ 124 4-Bromofluorobenzene (Surr)	10.0	9.67	96.72

Eurofins Lancaster Laboratories Environment Testing, LLC

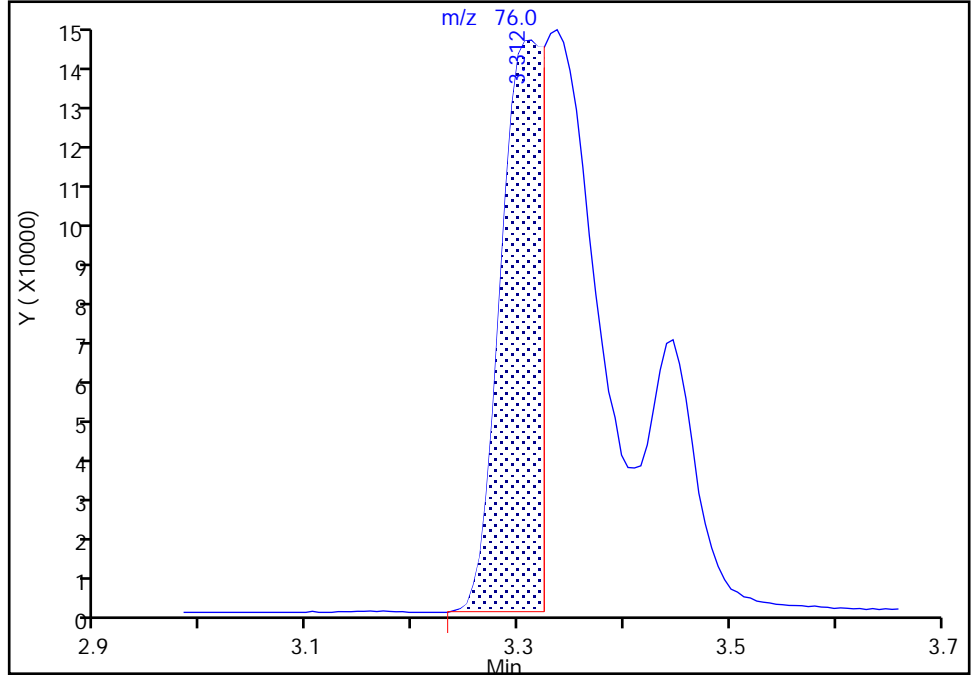
Data File: \\chromfs\Lancaster\ChromData\10193\20230503-83144.b\CY03X11.D
Injection Date: 04-May-2023 00:32:30 Instrument ID: 10193
Lims ID: 410-124489-A-6 MSD
Client ID: HD-COD-SW-15-0/1-0 MSD
Operator ID: gaw91131 ALS Bottle#: 11 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

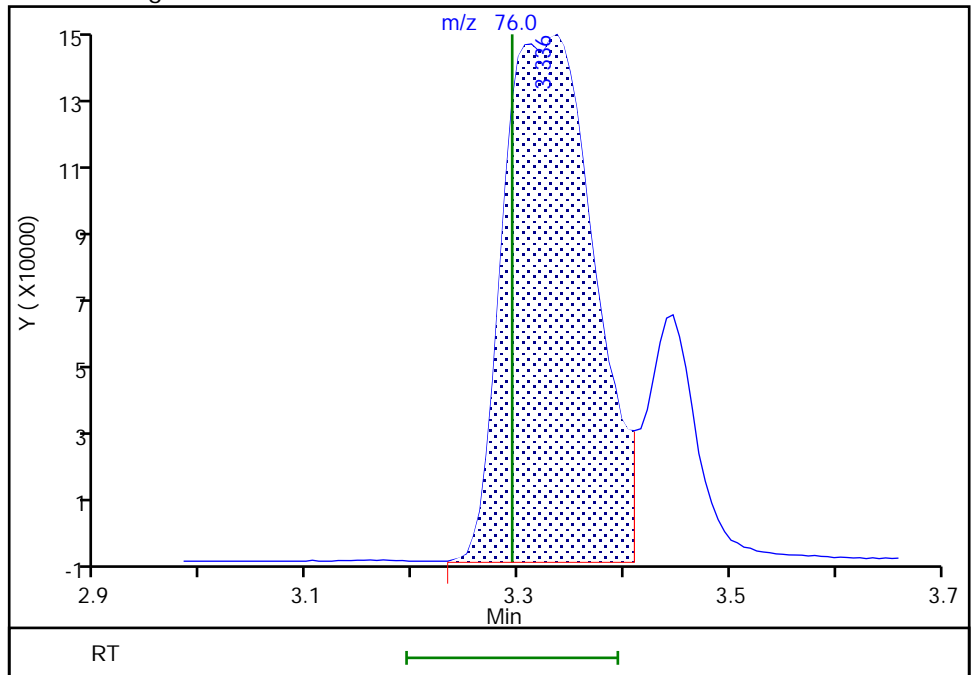
RT: 3.31
Area: 414204
Amount: 2.290413
Amount Units: ug/l

Processing Integration Results



RT: 3.34
Area: 880487
Amount: 4.868805
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-May-2023 15:25:49 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 19930Start Date: 03/21/2023 00:26Analysis Batch Number: 355532End Date: 03/21/2023 06:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-355532/1		03/21/2023 00:26	1	IM21T01.D	R-624Si1MS 30m 0.25 (mm)
IC 410-355532/3		03/21/2023 01:00	1	IM21X02.D	R-624Si1MS 30m 0.25 (mm)
IC 410-355532/4		03/21/2023 01:20	1	IM21X03.D	R-624Si1MS 30m 0.25 (mm)
IC 410-355532/5		03/21/2023 01:40	1	IM21X04.D	R-624Si1MS 30m 0.25 (mm)
IC 410-355532/6		03/21/2023 02:00	1	IM21X05.D	R-624Si1MS 30m 0.25 (mm)
IC 410-355532/7		03/21/2023 02:20	1	IM21X06.D	R-624Si1MS 30m 0.25 (mm)
IC 410-355532/8		03/21/2023 02:41	1	IM21X07.D	R-624Si1MS 30m 0.25 (mm)
IC 410-355532/9		03/21/2023 03:01	1	IM21X08.D	R-624Si1MS 30m 0.25 (mm)
ICV 410-355532/10		03/21/2023 03:21	1		R-624Si1MS 30m 0.25 (mm)
IC 410-355532/12		03/21/2023 04:01	1	IM21X11.D	R-624Si1MS 30m 0.25 (mm)
ICIS 410-355532/13		03/21/2023 04:22	1	IM21X12.D	R-624Si1MS 30m 0.25 (mm)
IC 410-355532/14		03/21/2023 04:42	1	IM21X13.D	R-624Si1MS 30m 0.25 (mm)
IC 410-355532/15		03/21/2023 05:02	1	IM21X14.D	R-624Si1MS 30m 0.25 (mm)
IC 410-355532/16		03/21/2023 05:22	1	IM21X15.D	R-624Si1MS 30m 0.25 (mm)
IC 410-355532/17		03/21/2023 05:42	1	IM21X16.D	R-624Si1MS 30m 0.25 (mm)
IC 410-355532/18		03/21/2023 06:02	1	IM21X17.D	R-624Si1MS 30m 0.25 (mm)
ICV 410-355532/19		03/21/2023 06:23	1	IM21X18.D	R-624Si1MS 30m 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 19094Start Date: 04/19/2023 17:40Analysis Batch Number: 366140End Date: 04/20/2023 00:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-366140/1		04/19/2023 17:40	1	HA19T31.D	R-624Si1MS 30m 0.25 (mm)
IC 410-366140/3		04/19/2023 18:20	1	HA19X02.D	R-624Si1MS 30m 0.25 (mm)
IC 410-366140/4		04/19/2023 18:40	1	HA19X03.D	R-624Si1MS 30m 0.25 (mm)
IC 410-366140/5		04/19/2023 19:00	1	HA19X04.D	R-624Si1MS 30m 0.25 (mm)
IC 410-366140/6		04/19/2023 19:21	1	HA19X05.D	R-624Si1MS 30m 0.25 (mm)
IC 410-366140/7		04/19/2023 19:41	1	copy_HA19X06.D	R-624Si1MS 30m 0.25 (mm)
IC 410-366140/8		04/19/2023 20:01	1	HA19X07.D	R-624Si1MS 30m 0.25 (mm)
CCV 410-366140/1008		04/19/2023 20:01	1		R-624Si1MS 30m 0.25 (mm)
IC 410-366140/9		04/19/2023 20:21	1	HA19X08.D	R-624Si1MS 30m 0.25 (mm)
ICV 410-366140/11		04/19/2023 21:01	1		R-624Si1MS 30m 0.25 (mm)
IC 410-366140/13		04/19/2023 21:41	1	HA19X12.D	R-624Si1MS 30m 0.25 (mm)
IC 410-366140/14		04/19/2023 22:01	1	HA19X13.D	R-624Si1MS 30m 0.25 (mm)
IC 410-366140/15		04/19/2023 22:21	1	HA19X14.D	R-624Si1MS 30m 0.25 (mm)
IC 410-366140/16		04/19/2023 22:41	1	HA19X15.D	R-624Si1MS 30m 0.25 (mm)
IC 410-366140/17		04/19/2023 23:01	1	HA19X16.D	R-624Si1MS 30m 0.25 (mm)
ICIS 410-366140/18		04/19/2023 23:21	1	HA19X17.D	R-624Si1MS 30m 0.25 (mm)
CCVIS 410-366140/1018		04/19/2023 23:21	1		R-624Si1MS 30m 0.25 (mm)
IC 410-366140/19		04/19/2023 23:41	1	HA19X18.D	R-624Si1MS 30m 0.25 (mm)
ICV 410-366140/21		04/20/2023 00:21	1	HA19X20.D	R-624Si1MS 30m 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 10193Start Date: 05/01/2023 14:22Analysis Batch Number: 370594End Date: 05/01/2023 21:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-370594/1		05/01/2023 14:22	1	CY01T01.D	R-624Si1MS 30m 0.25 (mm)
IC 410-370594/3		05/01/2023 15:17	1	CY01X02.D	R-624Si1MS 30m 0.25 (mm)
IC 410-370594/4		05/01/2023 15:40	1	CY01X03.D	R-624Si1MS 30m 0.25 (mm)
IC 410-370594/5		05/01/2023 16:02	1	CY01X04.D	R-624Si1MS 30m 0.25 (mm)
IC 410-370594/6		05/01/2023 16:24	1	CY01X05.D	R-624Si1MS 30m 0.25 (mm)
IC 410-370594/7		05/01/2023 16:47	1	CY01X06.D	R-624Si1MS 30m 0.25 (mm)
IC 410-370594/8		05/01/2023 17:09	1	CY01X07.D	R-624Si1MS 30m 0.25 (mm)
IC 410-370594/9		05/01/2023 17:31	1	CY01X08.D	R-624Si1MS 30m 0.25 (mm)
ICV 410-370594/11		05/01/2023 18:16	1		R-624Si1MS 30m 0.25 (mm)
IC 410-370594/13		05/01/2023 19:00	1	CY01X12.D	R-624Si1MS 30m 0.25 (mm)
IC 410-370594/14		05/01/2023 19:22	1	CY01X13.D	R-624Si1MS 30m 0.25 (mm)
IC 410-370594/15		05/01/2023 19:45	1	CY01X14.D	R-624Si1MS 30m 0.25 (mm)
IC 410-370594/16		05/01/2023 20:07	1	CY01X15.D	R-624Si1MS 30m 0.25 (mm)
IC 410-370594/17		05/01/2023 20:29	1	CY01X16.D	R-624Si1MS 30m 0.25 (mm)
ICIS 410-370594/18		05/01/2023 20:52	1	CY01X17.D	R-624Si1MS 30m 0.25 (mm)
IC 410-370594/19		05/01/2023 21:14	1	CY01X18.D	R-624Si1MS 30m 0.25 (mm)
ICV 410-370594/21		05/01/2023 21:58	1	CY01X20.D	R-624Si1MS 30m 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 10193 Start Date: 05/03/2023 20:33

Analysis Batch Number: 371870 End Date: 05/04/2023 06:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-371870/1		05/03/2023 20:33	1	CY03T01.D	R-624SilMS 30m 0.25 (mm)
CCVIS 410-371870/3		05/03/2023 20:47	1	CY03X01.D	R-624SilMS 30m 0.25 (mm)
LCS 410-371870/4		05/03/2023 21:10	1	CY03X02.D	R-624SilMS 30m 0.25 (mm)
ZZZZZ		05/03/2023 21:32	1		R-624SilMS 30m 0.25 (mm)
MB 410-371870/6		05/03/2023 21:56	1	CY03X04.D	R-624SilMS 30m 0.25 (mm)
ZZZZZ		05/03/2023 22:19	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		05/03/2023 22:41	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		05/03/2023 23:03	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		05/03/2023 23:25	1		R-624SilMS 30m 0.25 (mm)
410-124489-6	HD-COD-SW-15-0/1-0	05/03/2023 23:48	1	CY03X09.D	R-624SilMS 30m 0.25 (mm)
410-124489-6 MS	HD-COD-SW-15-0/1-0 MS	05/04/2023 00:10	1	CY03X10.D	R-624SilMS 30m 0.25 (mm)
410-124489-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	05/04/2023 00:32	1	CY03X11.D	R-624SilMS 30m 0.25 (mm)
410-124489-1	HD-COD-SW-6-0/1-0	05/04/2023 01:17	1	CY03X13.D	R-624SilMS 30m 0.25 (mm)
410-124489-2	HD-COD-SW-7-0/1-0	05/04/2023 01:39	1	CY03X14.D	R-624SilMS 30m 0.25 (mm)
410-124489-3	HD-COD-SW-8-0/1-0	05/04/2023 02:01	1	CY03X15.D	R-624SilMS 30m 0.25 (mm)
410-124489-4	HD-COD-SW-9-0/1-0	05/04/2023 02:24	1	CY03X16.D	R-624SilMS 30m 0.25 (mm)
410-124489-5	HD-COD-SW-13-0/1-0	05/04/2023 02:46	1	CY03X17.D	R-624SilMS 30m 0.25 (mm)
410-124489-7	HD-COD-SW-16-0/1-0	05/04/2023 03:08	1	CY03X18.D	R-624SilMS 30m 0.25 (mm)
410-124489-8	HD-COD-SW-17-0/1-0	05/04/2023 03:31	1	CY03X19.D	R-624SilMS 30m 0.25 (mm)
410-124489-9	HD-COD-SW-26-0/1-0	05/04/2023 03:53	1	CY03X20.D	R-624SilMS 30m 0.25 (mm)
410-124489-10	HD-COD-SW-27-0/1-0	05/04/2023 04:15	1	CY03X21.D	R-624SilMS 30m 0.25 (mm)
ZZZZZ		05/04/2023 04:37	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		05/04/2023 05:00	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		05/04/2023 05:22	20		R-624SilMS 30m 0.25 (mm)
ZZZZZ		05/04/2023 05:44	20		R-624SilMS 30m 0.25 (mm)
ZZZZZ		05/04/2023 06:06	500		R-624SilMS 30m 0.25 (mm)
ZZZZZ		05/04/2023 06:29	5000		R-624SilMS 30m 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 10193 Start Date: 05/04/2023 08:36

Analysis Batch Number: 372041 End Date: 05/04/2023 17:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-372041/1		05/04/2023 08:36	1	CY04T01.D	R-624Si1MS 30m 0.25 (mm)
CCVIS 410-372041/3		05/04/2023 09:16	1	CY04X02.D	R-624Si1MS 30m 0.25 (mm)
LCS 410-372041/4		05/04/2023 09:38	1	CY04X03.D	R-624Si1MS 30m 0.25 (mm)
LCSD 410-372041/5		05/04/2023 10:01	1	CY04X04.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/04/2023 10:25	1		R-624Si1MS 30m 0.25 (mm)
MB 410-372041/7		05/04/2023 10:47	1	CY04X06.D	R-624Si1MS 30m 0.25 (mm)
410-124489-14	HD-QC1-0/1-2	05/04/2023 11:09	1	CY04X07.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/04/2023 11:32	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/04/2023 11:54	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/04/2023 12:16	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/04/2023 12:39	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/04/2023 13:01	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/04/2023 13:23	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/04/2023 13:45	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/04/2023 14:08	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/04/2023 14:30	1		R-624Si1MS 30m 0.25 (mm)
410-124489-11	HD-COD-SW-28-0/1-0	05/04/2023 14:52	1	CY04X17.D	R-624Si1MS 30m 0.25 (mm)
410-124489-12	HD-COD-SW-29-0/1-0	05/04/2023 15:15	1	CY04X18.D	R-624Si1MS 30m 0.25 (mm)
410-124489-13	HD-QC1-0/1-1	05/04/2023 15:37	1	CY04X19.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/04/2023 15:59	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/04/2023 16:21	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/04/2023 16:43	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/04/2023 17:06	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/04/2023 17:28	500000		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/04/2023 17:50	500000 0		R-624Si1MS 30m 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 19930 Start Date: 05/04/2023 20:43

Analysis Batch Number: 372381 End Date: 05/05/2023 04:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-372381/1		05/04/2023 20:43	1	IY04T31.D	R-624Si1MS 30m 0.25 (mm)
CCVIS 410-372381/3		05/04/2023 21:17	1	IY04X32.D	R-624Si1MS 30m 0.25 (mm)
LCS 410-372381/4		05/04/2023 21:38	1	IY04X33.D	R-624Si1MS 30m 0.25 (mm)
LCSD 410-372381/5		05/04/2023 21:59	1	IY04X34.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/04/2023 22:20	1		R-624Si1MS 30m 0.25 (mm)
MB 410-372381/7		05/04/2023 22:41	1	IY04X36.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/04/2023 23:02	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/04/2023 23:23	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/04/2023 23:44	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/05/2023 00:26	10		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/05/2023 00:47	50000		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/05/2023 01:28	10		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/05/2023 01:49	100		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/05/2023 02:10	1000		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/05/2023 02:31	10		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/05/2023 02:52	20		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/05/2023 03:13	200		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/05/2023 03:35	500		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/05/2023 03:56	10000		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/05/2023 04:16	100000		R-624Si1MS 30m 0.25 (mm)
410-124489-8 DL	HD-COD-SW-17-0/1-0 DL	05/05/2023 04:37	10	IY04X53.D	R-624Si1MS 30m 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-124489-1

SDG No.: _____

Instrument ID: 19094 Start Date: 05/09/2023 17:50

Analysis Batch Number: 373833 End Date: 05/10/2023 04:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-373833/1		05/09/2023 17:50	1	HY09T01.D	R-624Si1MS 30m 0.25 (mm)
CCVIS 410-373833/3		05/09/2023 18:24	1	HY09X02.D	R-624Si1MS 30m 0.25 (mm)
LCS 410-373833/4		05/09/2023 18:44	1	HY09X03.D	R-624Si1MS 30m 0.25 (mm)
LCSD 410-373833/5		05/09/2023 19:04	1	HY09X04.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/09/2023 19:24	1		R-624Si1MS 30m 0.25 (mm)
MB 410-373833/7		05/09/2023 19:44	1	HY09X06.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/09/2023 20:04	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/09/2023 20:24	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/09/2023 20:44	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/09/2023 21:04	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/09/2023 21:25	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/09/2023 21:45	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/09/2023 22:05	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/09/2023 22:25	10		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/09/2023 22:45	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/09/2023 23:05	10		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/09/2023 23:25	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/09/2023 23:45	20		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/10/2023 00:05	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/10/2023 00:25	20		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/10/2023 00:45	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		05/10/2023 01:05	20		R-624Si1MS 30m 0.25 (mm)
410-124489-13 DL	HD-QC1-0/1-1 DL	05/10/2023 02:05	10	HY09X25.D	R-624Si1MS 30m 0.25 (mm)
CCVC 410-373833/34		05/10/2023 04:46	1		R-624Si1MS 30m 0.25 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-124489-1

SDG No.: _____

Batch Number: 355532 Batch Start Date: 03/21/23 00:26 Batch Analyst: Campbell, Miranda E

Batch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Lot#Vial	LCS_ETBR 00005	MSV_CCV_CYC 00005	MSV_CCV_V5ACE 00022
BFB 410-355532/1		8260D		1 uL	1 uL				
IC 410-355532/3		8260D		25 mL	25 mL	2680		20 uL	2.5 uL
IC 410-355532/4		8260D		25 mL	25 mL	2680		8 uL	1 uL
IC 410-355532/5		8260D		25 mL	25 mL	2680		8 uL	1 uL
IC 410-355532/6		8260D		25 mL	25 mL	2680		8 uL	1 uL
IC 410-355532/7		8260D		25 mL	25 mL	2680		8 uL	1 uL
IC 410-355532/8		8260D		25 mL	25 mL	2680		4 uL	0.5 uL
IC 410-355532/9		8260D		25 mL	25 mL	2680		1.6 uL	0.2 uL
IC 410-355532/12		8260D		25 mL	25 mL	2680			
ICIS 410-355532/13		8260D		25 mL	25 mL	2680			
IC 410-355532/14		8260D		25 mL	25 mL	2680			
IC 410-355532/15		8260D		25 mL	25 mL	2680			
IC 410-355532/16		8260D		25 mL	25 mL	2680			
IC 410-355532/17		8260D		25 mL	25 mL	2680			
IC 410-355532/18		8260D		25 mL	25 mL	2680			
ICV 410-355532/19		8260D		25 mL	25 mL	2680	12.5 uL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_DME 00045	MSV_LCS_ACROL 00103	MSV_LCS_EE 00004	MSV_LCS_Penta 00026	MSV_LCS_VOC#1 00101	MSV_LL_#1_826 00068
BFB 410-355532/1		8260D							
IC 410-355532/3		8260D		2.5 uL					
IC 410-355532/4		8260D		1 uL					
IC 410-355532/5		8260D		1 uL					
IC 410-355532/6		8260D		1 uL					
IC 410-355532/7		8260D		1 uL					
IC 410-355532/8		8260D		0.5 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.: 410-124489-1

SDG No.: _____

Batch Number: 355532 Batch Start Date: 03/21/23 00:26 Batch Analyst: Campbell, Miranda E

Batch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_DME 00045	MSV_LCS_ACROL 00103	MSV_LCS_EE 00004	MSV_LCS_Penta 00026	MSV_LCS_VOC#1 00101	MSV_LL_#1_826 00068
IC 410-355532/9		8260D		0.2 uL					
IC 410-355532/12		8260D							25 uL
ICIS 410-355532/13		8260D							10 uL
IC 410-355532/14		8260D							5 uL
IC 410-355532/15		8260D							2 uL
IC 410-355532/16		8260D							2 uL
IC 410-355532/17		8260D							2 uL
IC 410-355532/18		8260D							2 uL
ICV 410-355532/19		8260D			12.5 uL	12.5 uL	12.5 uL	12.5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LL_#2_826 00077	MSV_LL_GAS826 00141	MSV_LLcentISO 00005	MSV_LLcentISS 00006	MSV_QC_Gas826 00131	MSV_V_BFB 00011
BFB 410-355532/1		8260D							1 uL
IC 410-355532/3		8260D				5 uL			
IC 410-355532/4		8260D				5 uL			
IC 410-355532/5		8260D				5 uL			
IC 410-355532/6		8260D				5 uL			
IC 410-355532/7		8260D				5 uL			
IC 410-355532/8		8260D				5 uL			
IC 410-355532/9		8260D				5 uL			
IC 410-355532/12		8260D		25 uL	25 uL		5 uL		
ICIS 410-355532/13		8260D		10 uL	10 uL		5 uL		
IC 410-355532/14		8260D		5 uL	5 uL		5 uL		
IC 410-355532/15		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.: 410-124489-1

SDG No.: _____

Batch Number: 355532 Batch Start Date: 03/21/23 00:26 Batch Analyst: Campbell, Miranda E

Batch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LL #2_826 00077	MSV_LL_GAS826 00141	MSV_LLcentISO 00005	MSV_LLcentISS 00006	MSV_QC_Gas826 00131	MSV_V_BFB 00011
IC 410-355532/16		8260D		2 uL	2 uL		5 uL		
IC 410-355532/17		8260D		2 uL	2 uL		5 uL		
IC 410-355532/18		8260D		2 uL	2 uL		5 uL		
ICV 410-355532/19		8260D					5 uL	12.5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_V_SMRV4 00054					
BFB 410-355532/1		8260D							
IC 410-355532/3		8260D		12.5 uL					
IC 410-355532/4		8260D		5 uL					
IC 410-355532/5		8260D		5 uL					
IC 410-355532/6		8260D		5 uL					
IC 410-355532/7		8260D		5 uL					
IC 410-355532/8		8260D		2.5 uL					
IC 410-355532/9		8260D		1 uL					
IC 410-355532/12		8260D							
ICIS 410-355532/13		8260D							
IC 410-355532/14		8260D							
IC 410-355532/15		8260D							
IC 410-355532/16		8260D							
IC 410-355532/17		8260D							
IC 410-355532/18		8260D							
ICV 410-355532/19		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.: 410-124489-1

SDG No.: _____

Batch Number: 355532 Batch Start Date: 03/21/23 00:26 Batch Analyst: Campbell, Miranda E

Batch Method: 8260D Batch End Date: _____

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-124489-1

SDG No.: _____

Batch Number: 366140 Batch Start Date: 04/19/23 17:40 Batch Analyst: Campbell, Miranda E

Batch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Lot#Vial	LCS_ETBR 00005	MSV_CCV_CYC 00005	MSV_CCV_V5ACE 00023
BFB 410-366140/1		8260D		1 uL	1 uL				
IC 410-366140/3		8260D		25 mL	25 mL	2684		1.6 uL	0.2 uL
IC 410-366140/4		8260D		25 mL	25 mL	2684		4 uL	0.5 uL
IC 410-366140/5		8260D		25 mL	25 mL	2684		8 uL	1 uL
IC 410-366140/6		8260D		25 mL	25 mL	2684		8 uL	1 uL
IC 410-366140/7		8260D		25 mL	25 mL	2684		8 uL	1 uL
IC 410-366140/8		8260D		25 mL	25 mL	2684		8 uL	1 uL
IC 410-366140/9		8260D		25 mL	25 mL	2684		20 uL	2.5 uL
IC 410-366140/13		8260D		25 mL	25 mL	2684			
IC 410-366140/14		8260D		25 mL	25 mL	2684			
IC 410-366140/15		8260D		25 mL	25 mL	2684			
IC 410-366140/16		8260D		25 mL	25 mL	2684			
IC 410-366140/17		8260D		25 mL	25 mL	2684			
ICIS 410-366140/18		8260D		25 mL	25 mL	2684			
IC 410-366140/19		8260D		25 mL	25 mL	2684			
ICV 410-366140/21		8260D		25 mL	25 mL	2684	12.5 uL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_DME 00047	MSV_LCS_ACROL 00108	MSV_LCS_EE 00004	MSV_LCS_Penta 00027	MSV_LCS_VOC#1 00105	MSV_LL_#1_826 00073
BFB 410-366140/1		8260D							
IC 410-366140/3		8260D		0.2 uL					
IC 410-366140/4		8260D		0.5 uL					
IC 410-366140/5		8260D		1 uL					
IC 410-366140/6		8260D		1 uL					
IC 410-366140/7		8260D		1 uL					
IC 410-366140/8		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.: 410-124489-1

SDG No.: _____

Batch Number: 366140 Batch Start Date: 04/19/23 17:40 Batch Analyst: Campbell, Miranda E

Batch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_DME 00047	MSV_LCS_ACROL 00108	MSV_LCS_EE 00004	MSV_LCS_Penta 00027	MSV_LCS_VOC#1 00105	MSV_LL_#1_826 00073
IC 410-366140/9		8260D		2.5 uL					
IC 410-366140/13		8260D							2 uL
IC 410-366140/14		8260D							2 uL
IC 410-366140/15		8260D							2 uL
IC 410-366140/16		8260D							2 uL
IC 410-366140/17		8260D							5 uL
ICIS 410-366140/18		8260D							10 uL
IC 410-366140/19		8260D							25 uL
ICV 410-366140/21		8260D			12.5 uL	12.5 uL	12.5 uL	12.5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LL_#2_826 00081	MSV_LL_GAS826 00145	MSV_LLcentISS 00007	MSV_LLcentISS 00008	MSV_QC_Gas826 00135	MSV_V_BFB 00011
BFB 410-366140/1		8260D							1 uL
IC 410-366140/3		8260D					5 uL		
IC 410-366140/4		8260D					5 uL		
IC 410-366140/5		8260D					5 uL		
IC 410-366140/6		8260D					5 uL		
IC 410-366140/7		8260D					5 uL		
IC 410-366140/8		8260D					5 uL		
IC 410-366140/9		8260D					5 uL		
IC 410-366140/13		8260D		2 uL	2 uL	5 uL			
IC 410-366140/14		8260D		2 uL	2 uL	5 uL			
IC 410-366140/15		8260D		2 uL	2 uL	5 uL			
IC 410-366140/16		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.: 410-124489-1

SDG No.: _____

Batch Number: 366140 Batch Start Date: 04/19/23 17:40 Batch Analyst: Campbell, Miranda E

Batch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LL #2_826 00081	MSV_LL_GAS826 00145	MSV_LLcentISS 00007	MSV_LLcentISS 00008	MSV_QC_Gas826 00135	MSV_V_BFB 00011
IC 410-366140/17		8260D		5 uL	5 uL	5 uL			
ICIS 410-366140/18		8260D		10 uL	10 uL	5 uL			
IC 410-366140/19		8260D		25 uL	25 uL	5 uL			
ICV 410-366140/21		8260D				5 uL		12.5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_V_SMRV4 00058					
BFB 410-366140/1		8260D							
IC 410-366140/3		8260D		1 uL					
IC 410-366140/4		8260D		2.5 uL					
IC 410-366140/5		8260D		5 uL					
IC 410-366140/6		8260D		5 uL					
IC 410-366140/7		8260D		5 uL					
IC 410-366140/8		8260D		5 uL					
IC 410-366140/9		8260D		12.5 uL					
IC 410-366140/13		8260D							
IC 410-366140/14		8260D							
IC 410-366140/15		8260D							
IC 410-366140/16		8260D							
IC 410-366140/17		8260D							
ICIS 410-366140/18		8260D							
IC 410-366140/19		8260D							
ICV 410-366140/21		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.: 410-124489-1

SDG No.: _____

Batch Number: 366140 Batch Start Date: 04/19/23 17:40 Batch Analyst: Campbell, Miranda E

Batch Method: 8260D Batch End Date: _____

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-124489-1

SDG No.: _____

Batch Number: 370594 Batch Start Date: 05/01/23 14:22 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Lot#Vial	LCS_ETBR 00005	MSV_CCV_CYC 00005	MSV_CCV_V5ACE 00023
BFB 410-370594/1		8260D		1 uL	1 uL				
IC 410-370594/3		8260D		25 mL	25 mL	2684		1.6 uL	0.2 uL
IC 410-370594/4		8260D		25 mL	25 mL	2864		4 uL	0.5 uL
IC 410-370594/5		8260D		25 mL	25 mL	2864		4 uL	0.5 uL
IC 410-370594/6		8260D		25 mL	25 mL	2864		8 uL	1 uL
IC 410-370594/7		8260D		25 mL	25 mL	2864		8 uL	1 uL
IC 410-370594/8		8260D		25 mL	25 mL	2864		8 uL	1 uL
IC 410-370594/9		8260D		25 mL	25 mL	2864		20 uL	2.5 uL
IC 410-370594/13		8260D		25 mL	25 mL	2864			
IC 410-370594/14		8260D		25 mL	25 mL	2864			
IC 410-370594/15		8260D		25 mL	25 mL	2864			
IC 410-370594/16		8260D		25 mL	25 mL	2864			
IC 410-370594/17		8260D		25 mL	25 mL	2864			
ICIS 410-370594/18		8260D		25 mL	25 mL	2864			
IC 410-370594/19		8260D		25 mL	25 mL	2864			
ICV 410-370594/21		8260D		25 mL	25 mL	2864	12.5 uL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_DME 00047	MSV_HP25_ISO 00008	MSV_HP25_ISSS 00068	MSV_LCS_ACROL 00111	MSV_LCS_EE 00005	MSV_LCS_Penta 00028
BFB 410-370594/1		8260D							
IC 410-370594/3		8260D		0.2 uL	1 uL				
IC 410-370594/4		8260D		0.5 uL	1 uL				
IC 410-370594/5		8260D		0.5 uL	1 uL				
IC 410-370594/6		8260D		1 uL	1 uL				
IC 410-370594/7		8260D		1 uL	1 uL				
IC 410-370594/8		8260D		1 uL	1 uL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-124489-1

SDG No.: _____

Batch Number: 370594 Batch Start Date: 05/01/23 14:22 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_DME 00047	MSV_HP25_ISO 00008	MSV_HP25_ISSS 00068	MSV_LCS_ACROL 00111	MSV_LCS_EE 00005	MSV_LCS_Penta 00028
IC 410-370594/9		8260D		2.5 uL	1 uL				
IC 410-370594/13		8260D				1 uL			
IC 410-370594/14		8260D				1 uL			
IC 410-370594/15		8260D				1 uL			
IC 410-370594/16		8260D				1 uL			
IC 410-370594/17		8260D				1 uL			
ICIS 410-370594/18		8260D				1 uL			
IC 410-370594/19		8260D				1 uL			
ICV 410-370594/21		8260D				1 uL	12.5 uL	12.5 uL	12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LCS_VOC#1 00107	MSV_LL_#1_826 00075	MSV_LL_#2_826 00083	MSV_LL_GAS826 00148	MSV_QC_Gas826 00137	MSV_V_BFB 00011
BFB 410-370594/1		8260D							1 uL
IC 410-370594/3		8260D							
IC 410-370594/4		8260D							
IC 410-370594/5		8260D							
IC 410-370594/6		8260D							
IC 410-370594/7		8260D							
IC 410-370594/8		8260D							
IC 410-370594/9		8260D							
IC 410-370594/13		8260D			2 uL	2 uL	2 uL		
IC 410-370594/14		8260D			2 uL	2 uL	2 uL		
IC 410-370594/15		8260D			2 uL	2 uL	2 uL		
IC 410-370594/16		8260D			2 uL	2 uL	2 uL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-124489-1

SDG No.: _____

Batch Number: 370594 Batch Start Date: 05/01/23 14:22 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LCS_VOC#1 00107	MSV_LL_#1_826 00075	MSV_LL_#2_826 00083	MSV_LL_GAS826 00148	MSV_QC_Gas826 00137	MSV_V_BFB 00011
IC 410-370594/17		8260D			5 uL	5 uL	5 uL		
ICIS 410-370594/18		8260D			10 uL	10 uL	10 uL		
IC 410-370594/19		8260D			25 uL	25 uL	25 uL		
ICV 410-370594/21		8260D		12.5 uL				12.5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_V_SMRV4 00058					
BFB 410-370594/1		8260D							
IC 410-370594/3		8260D		1 uL					
IC 410-370594/4		8260D		2.5 uL					
IC 410-370594/5		8260D		2.5 uL					
IC 410-370594/6		8260D		5 uL					
IC 410-370594/7		8260D		5 uL					
IC 410-370594/8		8260D		5 uL					
IC 410-370594/9		8260D		12.5 uL					
IC 410-370594/13		8260D							
IC 410-370594/14		8260D							
IC 410-370594/15		8260D							
IC 410-370594/16		8260D							
IC 410-370594/17		8260D							
ICIS 410-370594/18		8260D							
IC 410-370594/19		8260D							
ICV 410-370594/21		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.: 410-124489-1

SDG No.: _____

Batch Number: 370594 Batch Start Date: 05/01/23 14:22 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.: 410-124489-1

SDG No.: _____

Batch Number: 371870 Batch Start Date: 05/03/23 20:33 Batch Analyst: Walmer, Gavin

Batch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloChe ck	Headspace	Lot#Vial
BFB 410-371870/1		8260D		1 uL	1 uL				
CCVIS 410-371870/3		8260D		25 mL	25 mL				2684
LCS 410-371870/4		8260D		25 mL	25 mL				2684
MB 410-371870/6		8260D		25 mL	25 mL				2684
410-124489-A-6	HD-COD-SW-15-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-124489-A-6 MS	HD-COD-SW-15-0/1-0 MS	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-124489-A-6 MSD	HD-COD-SW-15-0/1-0 MSD	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-124489-A-1	HD-COD-SW-6-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-124489-A-2	HD-COD-SW-7-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-124489-A-3	HD-COD-SW-8-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-124489-A-4	HD-COD-SW-9-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-124489-A-5	HD-COD-SW-13-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-124489-A-7	HD-COD-SW-16-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-124489-A-8	HD-COD-SW-17-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-124489-A-9	HD-COD-SW-26-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-124489-A-10	HD-COD-SW-27-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Basis	LCS_ETBR 00005	MSV_HP25_ISSS 00069	MSV_LCS_VOC#1 00107	MSV_LL_#1_826 00075	MSV_LL_#2_826 00083	MSV_LL_GAS826 00148
BFB 410-371870/1		8260D							
CCVIS 410-371870/3		8260D			1 uL		10 uL	10 uL	10 uL
LCS 410-371870/4		8260D		12.5 uL	1 uL	12.5 uL			
MB 410-371870/6		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.: 410-124489-1

SDG No.: _____

Batch Number: 371870 Batch Start Date: 05/03/23 20:33 Batch Analyst: Walmer, Gavin

Batch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	LCS_ETBR 00005	MSV_HP25_ISSS 00069	MSV_LCS_VOC#1 00107	MSV_LL_#1_826 00075	MSV_LL_#2_826 00083	MSV_LL_GAS826 00148
410-124489-A-6	HD-COD-SW-15-0/1-0	8260D	T		1 uL				
410-124489-A-6 MS	HD-COD-SW-15-0/1-0 MS	8260D	T	5.38 uL	1 uL	5.38 uL			
410-124489-A-6 MSD	HD-COD-SW-15-0/1-0 MSD	8260D	T	5.38 uL	1 uL	5.38 uL			
410-124489-A-1	HD-COD-SW-6-0/1-0	8260D	T		1 uL				
410-124489-A-2	HD-COD-SW-7-0/1-0	8260D	T		1 uL				
410-124489-A-3	HD-COD-SW-8-0/1-0	8260D	T		1 uL				
410-124489-A-4	HD-COD-SW-9-0/1-0	8260D	T		1 uL				
410-124489-A-5	HD-COD-SW-13-0/1-0	8260D	T		1 uL				
410-124489-A-7	HD-COD-SW-16-0/1-0	8260D	T		1 uL				
410-124489-A-8	HD-COD-SW-17-0/1-0	8260D	T		1 uL				
410-124489-A-9	HD-COD-SW-26-0/1-0	8260D	T		1 uL				
410-124489-A-10	HD-COD-SW-27-0/1-0	8260D	T		1 uL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_QC_Gas826 00137	MSV_V_BFB 00011	AnalysisComment			
BFB 410-371870/1		8260D			1 uL				
CCVIS 410-371870/3		8260D							
LCS 410-371870/4		8260D		12.5 uL					
MB 410-371870/6		8260D							
410-124489-A-6	HD-COD-SW-15-0/1-0	8260D	T						
410-124489-A-6 MS	HD-COD-SW-15-0/1-0 MS	8260D	T	5.38 uL					
410-124489-A-6 MSD	HD-COD-SW-15-0/1-0 MSD	8260D	T	5.38 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.: 410-124489-1

SDG No.: _____

Batch Number: 371870 Batch Start Date: 05/03/23 20:33 Batch Analyst: Walmer, Gavin

Batch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_QC_Gas826 00137	MSV_V_BFB 00011	AnalysisComment			
410-124489-A-1	HD-COD-SW-6-0/1-0	8260D	T						
410-124489-A-2	HD-COD-SW-7-0/1-0	8260D	T						
410-124489-A-3	HD-COD-SW-8-0/1-0	8260D	T						
410-124489-A-4	HD-COD-SW-9-0/1-0	8260D	T						
410-124489-A-5	HD-COD-SW-13-0/1-0	8260D	T						
410-124489-A-7	HD-COD-SW-16-0/1-0	8260D	T						
410-124489-A-8	HD-COD-SW-17-0/1-0	8260D	T						
410-124489-A-9	HD-COD-SW-26-0/1-0	8260D	T			PCE not carryover.			
410-124489-A-10	HD-COD-SW-27-0/1-0	8260D	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.: 410-124489-1

SDG No.: _____

Batch Number: 372041 Batch Start Date: 05/04/23 08:36 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloChe ck	Headspace	Lot#Vial
BFB 410-372041/1		8260D		1 uL	1 uL				
CCVIS 410-372041/3		8260D		25 mL	25 mL				2684
LCS 410-372041/4		8260D		25 mL	25 mL				2684
LCSD 410-372041/5		8260D		25 mL	25 mL				2684
MB 410-372041/7		8260D		25 mL	25 mL				2684
410-124489-A-14	HD-QC1-0/1-2	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-124489-A-11	HD-COD-SW-28-0/1 -0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-124489-A-12	HD-COD-SW-29-0/1 -0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-124489-A-13	HD-QC1-0/1-1	8260D	T	25 mL	25 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_HP25_ISSS 00067	MSV_LCS_VOC#1 00107	MSV_LL_#1_826 00075	MSV_LL_#2_826 00083	MSV_LL_GAS826 00148	MSV_QC_Gas826 00137
BFB 410-372041/1		8260D							
CCVIS 410-372041/3		8260D		1 uL		20 uL	20 uL	20 uL	
LCS 410-372041/4		8260D		1 uL	12.5 uL				12.5 uL
LCSD 410-372041/5		8260D		1 uL	12.5 uL				12.5 uL
MB 410-372041/7		8260D		1 uL					
410-124489-A-14	HD-QC1-0/1-2	8260D	T	1 uL					
410-124489-A-11	HD-COD-SW-28-0/1 -0	8260D	T	1 uL					
410-124489-A-12	HD-COD-SW-29-0/1 -0	8260D	T	1 uL					
410-124489-A-13	HD-QC1-0/1-1	8260D	T	1 uL					

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_V_BFB 00011					
BFB 410-372041/1		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.: 410-124489-1

SDG No.: _____

Batch Number: 372041 Batch Start Date: 05/04/23 08:36 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_V_BFB 00011					
CCVIS 410-372041/3		8260D							
LCS 410-372041/4		8260D							
LCSD 410-372041/5		8260D							
MB 410-372041/7		8260D							
410-124489-A-14	HD-QC1-0/1-2	8260D	T						
410-124489-A-11	HD-COD-SW-28-0/1 -0	8260D	T						
410-124489-A-12	HD-COD-SW-29-0/1 -0	8260D	T						
410-124489-A-13	HD-QC1-0/1-1	8260D	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.: 410-124489-1

SDG No.: _____

Batch Number: 372381 Batch Start Date: 05/04/23 20:43 Batch Analyst: Campbell, Miranda E

Batch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloChe ck	Headspace	Lot#Vial
BFB 410-372381/1		8260D		1 uL	1 uL				
CCVIS 410-372381/3		8260D		25 mL	25 mL				2684
LCS 410-372381/4		8260D		25 mL	25 mL				2684
LCSD 410-372381/5		8260D		25 mL	25 mL				2684
MB 410-372381/7		8260D		25 mL	25 mL				2684
410-124489-B-8	HD-COD-SW-17-0/1 -0	8260D	T	25 mL	25 mL	<2 SU	N	N	2684

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LCS_VOC#1 00107	MSV_LL_#1_826 00072	MSV_LL_#2_826 00082	MSV_LL_GAS826 00148	MSV_LLcentISS 00007	MSV_QC_Gas826 00137
BFB 410-372381/1		8260D							
CCVIS 410-372381/3		8260D			20 uL	20 uL	20 uL	5 uL	
LCS 410-372381/4		8260D		12.5 uL				5 uL	12.5 uL
LCSD 410-372381/5		8260D		12.5 uL				5 uL	12.5 uL
MB 410-372381/7		8260D						5 uL	
410-124489-B-8	HD-COD-SW-17-0/1 -0	8260D	T					5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_V_BFB 00011					
BFB 410-372381/1		8260D		1 uL					
CCVIS 410-372381/3		8260D							
LCS 410-372381/4		8260D							
LCSD 410-372381/5		8260D							
MB 410-372381/7		8260D							
410-124489-B-8	HD-COD-SW-17-0/1 -0	8260D	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.: 410-124489-1

SDG No.: _____

Batch Number: 372381 Batch Start Date: 05/04/23 20:43 Batch Analyst: Campbell, Miranda E

Batch Method: 8260D Batch End Date: _____

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-124489-1

SDG No.: _____

Batch Number: 373833 Batch Start Date: 05/09/23 17:50 Batch Analyst: Walmer, Gavin

Batch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloChe ck	Headspace	Lot#Vial
BFB 410-373833/1		8260D		1 uL	1 uL				
CCVIS 410-373833/3		8260D		25 mL	25 mL				2684
LCS 410-373833/4		8260D		25 mL	25 mL				2684
LCSD 410-373833/5		8260D		25 mL	25 mL				2684
MB 410-373833/7		8260D		25 mL	25 mL				2684
410-124489-B-13	HD-QC1-0/1-1	8260D	T	25 mL	25 mL	<2 SU	N	N	2684

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LCS_ACROL 00112	MSV_LCS Penta 00028	MSV_LCS_VOC#1 00108	MSV_LL #1_826 00076	MSV_LL #2_826 00084	MSV_LL GAS826 00149
BFB 410-373833/1		8260D							
CCVIS 410-373833/3		8260D					20 uL	20 uL	20 uL
LCS 410-373833/4		8260D		12.5 uL	12.5 uL	12.5 uL			
LCSD 410-373833/5		8260D		12.5 uL	12.5 uL	12.5 uL			
MB 410-373833/7		8260D							
410-124489-B-13	HD-QC1-0/1-1	8260D	T						

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LLcentISS 00007	MSV_QC_Gas826 00138	MSV_V_BFB 00011			
BFB 410-373833/1		8260D				1 uL			
CCVIS 410-373833/3		8260D		5 uL					
LCS 410-373833/4		8260D		5 uL	12.5 uL				
LCSD 410-373833/5		8260D		5 uL	12.5 uL				
MB 410-373833/7		8260D		5 uL					
410-124489-B-13	HD-QC1-0/1-1	8260D	T	5 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-124489-1

SDG No.: _____

Batch Number: 373833 Batch Start Date: 05/09/23 17:50 Batch Analyst: Walmer, Gavin

Batch Method: 8260D Batch End Date: _____

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

370472

HARRISBURG PA Environmental



410-124489 Chain of Custody

/Chain of Custody



Lancaster Laboratories Environmental

Acct. # _____

Client: Groundwater Sciences Corporation				Matrix			Analyses Requested								For Lab Use Only																																																																																																																																																																																																																												
Project Name#: FYNOP Monthly Surface Water		Site ID #: FYNOP, York PA		<input type="checkbox"/> Soil	<input type="checkbox"/> Potable	<input type="checkbox"/> Ground	<input checked="" type="checkbox"/> Surface	Preservation Codes								SF #: _____																																																																																																																																																																																																																											
Project Manager: Chris O'Neil		P.O. #: 10012.51		<input type="checkbox"/> Tissue	<input type="checkbox"/> NPDES	<input type="checkbox"/> Other:	<table border="1"> <tr> <th>H</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>								H																														SCR #: _____																																																																																																																																																																																														
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Phone #: (717) 901-8176 / (717) 756-1246		Quote #:		<input type="checkbox"/> Composite											Remarks All samples preserved on ice																																																																																																																																																																																																																												
State where samples were collected: York, PA				For Compliance: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				<table border="1"> <thead> <tr> <th>Sample Identification</th> <th>Date</th> <th>Time</th> <th>Grab</th> <th>Composite</th> <th>Soil</th> <th>Water</th> <th>Other:</th> <th>Total # of Containers</th> <th>Aqueous VOCs via 8260D (low level - 25 ml purge)</th> <th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th> </tr> </thead> <tbody> <tr><td>HD-COD-SW-6-0/1-0</td><td>4/27/23</td><td>1115</td><td>X</td><td></td><td></td><td>X</td><td></td><td>3</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>HD-COD-SW-7-0/1-0</td><td></td><td>1155</td><td>X</td><td></td><td></td><td>X</td><td></td><td>3</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>HD-COD-SW-8-0/1-0</td><td></td><td>1010</td><td>X</td><td></td><td></td><td>X</td><td></td><td>3</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>HD-COD-SW-9-0/1-0</td><td></td><td>1348</td><td>X</td><td></td><td></td><td>X</td><td></td><td>3</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>HD-COD-SW-13-0/1-0</td><td></td><td>1025</td><td>X</td><td></td><td></td><td>X</td><td></td><td>3</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>HD-COD-SW-15-0/1-0</td><td></td><td>1215</td><td>X</td><td></td><td></td><td>X</td><td></td><td>3</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>HD-COD-SW-15-0/1-0 MS</td><td></td><td>1215</td><td>X</td><td></td><td></td><td>X</td><td></td><td>3</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>HD-COD-SW-15-0/1-0 MSD</td><td></td><td>1215</td><td>X</td><td></td><td></td><td>X</td><td></td><td>3</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>HD-COD-SW-16-0/1-0</td><td></td><td>1045</td><td>X</td><td></td><td></td><td>X</td><td></td><td>3</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>HD-COD-SW-17-0/1-0</td><td></td><td>1055</td><td>X</td><td></td><td></td><td>X</td><td></td><td>3</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>								Sample Identification	Date	Time	Grab	Composite	Soil	Water	Other:	Total # of Containers	Aqueous VOCs via 8260D (low level - 25 ml purge)											HD-COD-SW-6-0/1-0	4/27/23	1115	X			X		3	X											HD-COD-SW-7-0/1-0		1155	X			X		3	X											HD-COD-SW-8-0/1-0		1010	X			X		3	X											HD-COD-SW-9-0/1-0		1348	X			X		3	X											HD-COD-SW-13-0/1-0		1025	X			X		3	X											HD-COD-SW-15-0/1-0		1215	X			X		3	X											HD-COD-SW-15-0/1-0 MS		1215	X			X		3	X											HD-COD-SW-15-0/1-0 MSD		1215	X			X		3	X											HD-COD-SW-16-0/1-0		1045	X			X		3	X											HD-COD-SW-17-0/1-0		1055	X			X		3	X										
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Turnaround Time Requested (TAT) (please check): Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>				Relinquished by: <i>[Signature]</i>		Date: 4/27/23	Time: 1445	Received by: <i>[Signature]</i>		Date: 4/27/23	Time: 1445																																																																																																																																																																																																																																
(Rush TAT is subject to laboratory approval and surcharges.)				Relinquished by: <i>[Signature]</i>		Date: 4/27/23	Time: 1510	Received by: <i>[Signature]</i>		Date: 4/27/23	Time: 1515																																																																																																																																																																																																																																
Date results are needed: STANDARD				Relinquished by: <i>[Signature]</i>		Date: 4/27/23	Time: 1637	Received by: <i>[Signature]</i>		Date: 4/27/23	Time: 1637																																																																																																																																																																																																																																
Rush results requested by (please check): E-Mail <input type="checkbox"/> Phone <input type="checkbox"/>				Relinquished by: <i>[Signature]</i>		Date: _____	Time: _____	Received by: _____		Date: _____	Time: _____																																																																																																																																																																																																																																
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Data Package Options (please check if required)				Relinquished by: _____		Date: _____	Time: _____	Received by: _____		Date: _____	Time: _____																																																																																																																																																																																																																																
Type I (Validation/non-CLP) <input type="checkbox"/> MA MCP <input type="checkbox"/>				Relinquished by: _____		Date: _____	Time: _____	Received by: _____		Date: _____	Time: _____																																																																																																																																																																																																																																
Type III (Reduced non-CLP) <input type="checkbox"/> CT RCP <input type="checkbox"/>				Relinquished by: _____		Date: _____	Time: _____	Received by: _____		Date: _____	Time: _____																																																																																																																																																																																																																																
Type VI (Raw Data Only) <input type="checkbox"/> TX TRRP-13 <input type="checkbox"/>				Relinquished by: _____		Date: _____	Time: _____	Received by: _____		Date: _____	Time: _____																																																																																																																																																																																																																																
NJ DKQP <input type="checkbox"/> NYSDEC Category <input type="checkbox"/> A or <input type="checkbox"/> B				Relinquished by Commercial Carrier: _____		Temperature upon receipt: 216 °C																																																																																																																																																																																																																																					
EDD Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, format: _____				CLP Like Deliverables, Project Specific Analyte List		UPS _____ FedEx _____ Other <input checked="" type="checkbox"/>																																																																																																																																																																																																																																					

370472

HARRISBURG PA

Environmental Analysis Request/Chain of Custody



Lancaster Laboratories Environmental

Acct # _____ Group # _____ Sample # _____

Client: Groundwater Sciences Corporation				Matrix			Analyses Requested										For Lab Use Only							
Project Name#: YNOP Monthly Surface Water		Site ID #: YNOP, York PA		<input type="checkbox"/> Sediment	<input type="checkbox"/> Tissue	<input type="checkbox"/> Ground	<input checked="" type="checkbox"/> Surface	Preservation Codes										SF #: _____						
Project Manager: Chris O'Neil		P.O. #: 10012.51		<input type="checkbox"/> Potable	<input type="checkbox"/> NPDES	<input type="checkbox"/> Water	<input type="checkbox"/> Other: Trip Blank											SCR #: _____						
Sampler: Casey Littlefield / Lucas Grimm		PWSID #: N/A		<input type="checkbox"/> Soil	<input type="checkbox"/> Composite													Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ P = H ₃ PO ₄ O = Other						
Phone #: (717) 901-8176 / (717) 756-1246		Quote #:																Remarks						
State where samples were collected: York, PA		For Compliance: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																						
Sample Identification			Collection		Grab	Composite	Soil	Water	Other: Trip Blank	Total # of Containers	Aqueous VOCs via 8260D (low level - 25 ml purge)													
Date	Time																							
HD-COD-SW-26-0/1-0	4/27/23	1138	X				X			3	X												All samples preserved on ice	
HD-COD-SW-27-0/1-0		1207	X				X			3	X													
HD-COD-SW-28-0/1-0		1400	X				X			3	X													
HD-COD-SW-29-0/1-0		0955	X				X			3	X													
HD-QC1-0/1-1		1200	X				X			3	X													
HD-QC1-0/1-2		-	X					X		2	X												Trip Blank	
																							page 2 of 2	
Turnaround Time Requested (TAT) (please check):				Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Relinquished by:		Date	Time	Received by:		Date	Time											
(Rush TAT is subject to laboratory approval and surcharges.)						<i>[Signature]</i>		4/27/23	1445	<i>[Signature]</i>		4/27/23	1445											
Date results are needed: STANDARD						Relinquished by:		Date	Time	Received by:		Date	Time											
Rush results requested by (please check):				E-Mail <input type="checkbox"/> Phone <input type="checkbox"/>		<i>[Signature]</i>		4/27/23	1515	<i>[Signature]</i>		4/27/23	1515											
E-mail Address:						Relinquished by:		Date	Time	Received by:		Date	Time											
Phone:						<i>[Signature]</i>		4/27/23	1637	<i>[Signature]</i>														
Data Package Options (please check if required)						Relinquished by:		Date	Time	Received by:		Date	Time											
Type I (Validation/non-CLP)	<input type="checkbox"/>	MA MCP	<input type="checkbox"/>			<i>[Signature]</i>				<i>[Signature]</i>														
Type III (Reduced non-CLP)	<input type="checkbox"/>	CT RCP	<input type="checkbox"/>			<i>[Signature]</i>				<i>[Signature]</i>														
Type VI (Raw Data Only)	<input type="checkbox"/>	TX TRRP-13	<input type="checkbox"/>			<i>[Signature]</i>				<i>[Signature]</i>														
NJ DKQP	<input type="checkbox"/>	NYSDEC Category	<input type="checkbox"/> A or <input type="checkbox"/> B			<i>[Signature]</i>				<i>[Signature]</i>		4/27/23	1637											
EDD Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				If yes, format: _____		Relinquished by Commercial Carrier:						Temperature upon receipt 2.6 °C												
				CLP Like Deliverables, Project Specific Analyte List		UPS _____ FedEx _____ Other <input checked="" type="checkbox"/>																		

Login Sample Receipt Checklist

Client: Groundwater Sciences Corporation

Job Number: 410-124489-1

Login Number: 124489

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Wrye, Shaun

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace $>6\text{mm}$ in diameter (none, if from WV)?	True	