

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

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Generated 7/6/2023 1:34 AM

JOB DESCRIPTION

fYNOP Monthly Surface Water

JOB NUMBER

410-131835-1

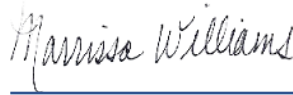
Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

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

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

Authorization



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Definitions/Glossary

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

Job ID: 410-131835-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
FL	MS and/or MSD recovery below control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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
410-131835-1

Receipt

The samples were received on 6/22/2023 5:12 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 4.1°C

GC/MS VOA

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

Detection Summary

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

Job ID: 410-131835-1

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

Lab Sample ID: 410-131835-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.7	J	5.0	1.0	ug/L	1		8260D	Total/NA
Chloromethane	0.20	J	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.17	J	0.50	0.080	ug/L	1		8260D	Total/NA
Toluene	0.083	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-7-0/1-0

Lab Sample ID: 410-131835-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.8	J	5.0	1.0	ug/L	1		8260D	Total/NA
Chloroform	0.11	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	0.68		0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	0.35	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-131835-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.4	J	5.0	1.0	ug/L	1		8260D	Total/NA
Chloromethane	0.12	J	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.51		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.55		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.28	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-131835-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.7	J	5.0	1.0	ug/L	1		8260D	Total/NA
Chloromethane	0.22	J	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.35	J	0.50	0.080	ug/L	1		8260D	Total/NA
Toluene	0.14	J	0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	0.15	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-131835-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.0	J	5.0	1.0	ug/L	1		8260D	Total/NA
Chloromethane	0.11	J	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.47	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.86		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.28	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-131835-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.24	J	0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.14	J	0.50	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.23	J	0.50	0.090	ug/L	1		8260D	Total/NA
Chloromethane	0.12	J FL	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	1.1		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	3.9		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	1.1		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: 410-131835-1

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

Lab Sample ID: 410-131835-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.095	J	0.50	0.080	ug/L	1		8260D	Total/NA
Acetone	3.3	J	5.0	1.0	ug/L	1		8260D	Total/NA
Chloromethane	0.11	J	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.48	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	1.2		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.32	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-131835-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	2.9		0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.70		0.50	0.10	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.26	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	0.17	J	0.50	0.090	ug/L	1		8260D	Total/NA
Chloromethane	0.19	J	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	2.9		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	46		5.0	2.0	ug/L	10		8260D	Total/NA

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

Lab Sample ID: 410-131835-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.17	J	0.50	0.10	ug/L	1		8260D	Total/NA
Acetone	1.3	J	5.0	1.0	ug/L	1		8260D	Total/NA
Chloroform	0.50		0.50	0.090	ug/L	1		8260D	Total/NA
Chloromethane	0.15	J	0.50	0.10	ug/L	1		8260D	Total/NA
Tetrachloroethene	3.8		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.18	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-131835-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.3	J	5.0	1.0	ug/L	1		8260D	Total/NA
Chloroform	0.13	J	0.50	0.090	ug/L	1		8260D	Total/NA
Chloromethane	0.13	J	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.39	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.58		0.50	0.20	ug/L	1		8260D	Total/NA
Toluene	0.081	J	0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	0.35	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-131835-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.0	J	5.0	1.0	ug/L	1		8260D	Total/NA
Chloroform	0.091	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	0.28	J	0.50	0.080	ug/L	1		8260D	Total/NA
Toluene	0.11	J	0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	0.22	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: 410-131835-1

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

Lab Sample ID: 410-131835-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.8	J	5.0	1.0	ug/L	1		8260D	Total/NA
Chloromethane	0.19	J	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.29	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.33	J	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.24	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-131835-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	3.7		0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.95		0.50	0.10	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.36	J	0.50	0.10	ug/L	1		8260D	Total/NA
Acetone	1.6	J	5.0	1.0	ug/L	1		8260D	Total/NA
Chloroform	0.19	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	4.5		0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	3.0		0.50	0.080	ug/L	1		8260D	Total/NA
Vinyl chloride	0.14	J	0.50	0.10	ug/L	1		8260D	Total/NA
Tetrachloroethene - DL	36		5.0	2.0	ug/L	10		8260D	Total/NA

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

Lab Sample ID: 410-131835-14

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

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

Job ID: 410-131835-1

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

Lab Sample ID: 410-131835-1

Date Collected: 06/21/23 10:27

Matrix: Water

Date Received: 06/22/23 17:12

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			07/05/23 14:02	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			07/05/23 14:02	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/05/23 14:02	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/05/23 14:02	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			07/05/23 14:02	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			07/05/23 14:02	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/05/23 14:02	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/05/23 14:02	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/05/23 14:02	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/05/23 14:02	1
2-Hexanone	ND		5.0	2.0	ug/L			07/05/23 14:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/05/23 14:02	1
Acetone	1.7	J	5.0	1.0	ug/L			07/05/23 14:02	1
Benzene	ND		0.50	0.10	ug/L			07/05/23 14:02	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/05/23 14:02	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/05/23 14:02	1
Bromoform	ND		1.0	0.30	ug/L			07/05/23 14:02	1
Bromomethane	ND		0.50	0.10	ug/L			07/05/23 14:02	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/05/23 14:02	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/05/23 14:02	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/05/23 14:02	1
Chloroethane	ND		0.50	0.10	ug/L			07/05/23 14:02	1
Chloroform	ND		0.50	0.090	ug/L			07/05/23 14:02	1
Chloromethane	0.20	J	0.50	0.10	ug/L			07/05/23 14:02	1
cis-1,2-Dichloroethene	0.17	J	0.50	0.080	ug/L			07/05/23 14:02	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/05/23 14:02	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/05/23 14:02	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/05/23 14:02	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/05/23 14:02	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/05/23 14:02	1
Styrene	ND		0.50	0.070	ug/L			07/05/23 14:02	1
Tetrachloroethene	ND		0.50	0.20	ug/L			07/05/23 14:02	1
Toluene	0.083	J	0.50	0.080	ug/L			07/05/23 14:02	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/05/23 14:02	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/05/23 14:02	1
Trichloroethene	0.12	J	0.50	0.080	ug/L			07/05/23 14:02	1
Vinyl chloride	ND		0.50	0.10	ug/L			07/05/23 14:02	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/05/23 14:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		07/05/23 14:02	1
4-Bromofluorobenzene (Surr)	94		80 - 120		07/05/23 14:02	1
Dibromofluoromethane (Surr)	100		80 - 120		07/05/23 14:02	1
Toluene-d8 (Surr)	99		80 - 120		07/05/23 14:02	1

Client Sample Results

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

Job ID: 410-131835-1

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

Lab Sample ID: 410-131835-2

Date Collected: 06/21/23 11:15

Matrix: Water

Date Received: 06/22/23 17:12

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			06/30/23 06:22	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/30/23 06:22	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/30/23 06:22	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/30/23 06:22	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/30/23 06:22	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/30/23 06:22	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/30/23 06:22	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/30/23 06:22	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/30/23 06:22	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/30/23 06:22	1
2-Hexanone	ND		5.0	2.0	ug/L			06/30/23 06:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/30/23 06:22	1
Acetone	2.8	J	5.0	1.0	ug/L			06/30/23 06:22	1
Benzene	ND		0.50	0.10	ug/L			06/30/23 06:22	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/30/23 06:22	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/30/23 06:22	1
Bromoform	ND		1.0	0.30	ug/L			06/30/23 06:22	1
Bromomethane	ND		0.50	0.10	ug/L			06/30/23 06:22	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/30/23 06:22	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/30/23 06:22	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/30/23 06:22	1
Chloroethane	ND		0.50	0.10	ug/L			06/30/23 06:22	1
Chloroform	0.11	J	0.50	0.090	ug/L			06/30/23 06:22	1
Chloromethane	0.10	J	0.50	0.10	ug/L			06/30/23 06:22	1
cis-1,2-Dichloroethene	0.68		0.50	0.080	ug/L			06/30/23 06:22	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/30/23 06:22	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/30/23 06:22	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/30/23 06:22	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/30/23 06:22	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/30/23 06:22	1
Styrene	ND		0.50	0.070	ug/L			06/30/23 06:22	1
Tetrachloroethene	ND		0.50	0.20	ug/L			06/30/23 06:22	1
Toluene	ND		0.50	0.080	ug/L			06/30/23 06:22	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/30/23 06:22	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/30/23 06:22	1
Trichloroethene	0.35	J	0.50	0.080	ug/L			06/30/23 06:22	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/30/23 06:22	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/30/23 06:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		06/30/23 06:22	1
4-Bromofluorobenzene (Surr)	98		80 - 120		06/30/23 06:22	1
Dibromofluoromethane (Surr)	101		80 - 120		06/30/23 06:22	1
Toluene-d8 (Surr)	98		80 - 120		06/30/23 06:22	1

Client Sample Results

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

Job ID: 410-131835-1

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

Lab Sample ID: 410-131835-3

Date Collected: 06/21/23 09:05

Matrix: Water

Date Received: 06/22/23 17:12

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			06/30/23 06:43	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/30/23 06:43	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/30/23 06:43	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/30/23 06:43	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/30/23 06:43	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/30/23 06:43	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/30/23 06:43	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/30/23 06:43	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/30/23 06:43	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/30/23 06:43	1
2-Hexanone	ND		5.0	2.0	ug/L			06/30/23 06:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/30/23 06:43	1
Acetone	2.4	J	5.0	1.0	ug/L			06/30/23 06:43	1
Benzene	ND		0.50	0.10	ug/L			06/30/23 06:43	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/30/23 06:43	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/30/23 06:43	1
Bromoform	ND		1.0	0.30	ug/L			06/30/23 06:43	1
Bromomethane	ND		0.50	0.10	ug/L			06/30/23 06:43	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/30/23 06:43	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/30/23 06:43	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/30/23 06:43	1
Chloroethane	ND		0.50	0.10	ug/L			06/30/23 06:43	1
Chloroform	ND		0.50	0.090	ug/L			06/30/23 06:43	1
Chloromethane	0.12	J	0.50	0.10	ug/L			06/30/23 06:43	1
cis-1,2-Dichloroethene	0.51		0.50	0.080	ug/L			06/30/23 06:43	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/30/23 06:43	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/30/23 06:43	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/30/23 06:43	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/30/23 06:43	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/30/23 06:43	1
Styrene	ND		0.50	0.070	ug/L			06/30/23 06:43	1
Tetrachloroethene	0.55		0.50	0.20	ug/L			06/30/23 06:43	1
Toluene	ND		0.50	0.080	ug/L			06/30/23 06:43	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/30/23 06:43	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/30/23 06:43	1
Trichloroethene	0.28	J	0.50	0.080	ug/L			06/30/23 06:43	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/30/23 06:43	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/30/23 06:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		06/30/23 06:43	1
4-Bromofluorobenzene (Surr)	98		80 - 120		06/30/23 06:43	1
Dibromofluoromethane (Surr)	100		80 - 120		06/30/23 06:43	1
Toluene-d8 (Surr)	98		80 - 120		06/30/23 06:43	1

Client Sample Results

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

Job ID: 410-131835-1

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

Lab Sample ID: 410-131835-4

Date Collected: 06/21/23 12:35

Matrix: Water

Date Received: 06/22/23 17:12

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			06/30/23 07:04	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/30/23 07:04	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/30/23 07:04	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/30/23 07:04	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/30/23 07:04	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/30/23 07:04	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/30/23 07:04	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/30/23 07:04	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/30/23 07:04	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/30/23 07:04	1
2-Hexanone	ND		5.0	2.0	ug/L			06/30/23 07:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/30/23 07:04	1
Acetone	3.7	J	5.0	1.0	ug/L			06/30/23 07:04	1
Benzene	ND		0.50	0.10	ug/L			06/30/23 07:04	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/30/23 07:04	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/30/23 07:04	1
Bromoform	ND		1.0	0.30	ug/L			06/30/23 07:04	1
Bromomethane	ND		0.50	0.10	ug/L			06/30/23 07:04	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/30/23 07:04	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/30/23 07:04	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/30/23 07:04	1
Chloroethane	ND		0.50	0.10	ug/L			06/30/23 07:04	1
Chloroform	ND		0.50	0.090	ug/L			06/30/23 07:04	1
Chloromethane	0.22	J	0.50	0.10	ug/L			06/30/23 07:04	1
cis-1,2-Dichloroethene	0.35	J	0.50	0.080	ug/L			06/30/23 07:04	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/30/23 07:04	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/30/23 07:04	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/30/23 07:04	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/30/23 07:04	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/30/23 07:04	1
Styrene	ND		0.50	0.070	ug/L			06/30/23 07:04	1
Tetrachloroethene	ND		0.50	0.20	ug/L			06/30/23 07:04	1
Toluene	0.14	J	0.50	0.080	ug/L			06/30/23 07:04	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/30/23 07:04	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/30/23 07:04	1
Trichloroethene	0.15	J	0.50	0.080	ug/L			06/30/23 07:04	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/30/23 07:04	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/30/23 07:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		06/30/23 07:04	1
4-Bromofluorobenzene (Surr)	100		80 - 120		06/30/23 07:04	1
Dibromofluoromethane (Surr)	99		80 - 120		06/30/23 07:04	1
Toluene-d8 (Surr)	98		80 - 120		06/30/23 07:04	1

Client Sample Results

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

Job ID: 410-131835-1

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

Lab Sample ID: 410-131835-5

Date Collected: 06/21/23 09:38

Matrix: Water

Date Received: 06/22/23 17:12

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			06/30/23 07:25	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/30/23 07:25	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/30/23 07:25	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/30/23 07:25	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/30/23 07:25	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/30/23 07:25	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/30/23 07:25	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/30/23 07:25	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/30/23 07:25	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/30/23 07:25	1
2-Hexanone	ND		5.0	2.0	ug/L			06/30/23 07:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/30/23 07:25	1
Acetone	3.0	J	5.0	1.0	ug/L			06/30/23 07:25	1
Benzene	ND		0.50	0.10	ug/L			06/30/23 07:25	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/30/23 07:25	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/30/23 07:25	1
Bromoform	ND		1.0	0.30	ug/L			06/30/23 07:25	1
Bromomethane	ND		0.50	0.10	ug/L			06/30/23 07:25	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/30/23 07:25	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/30/23 07:25	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/30/23 07:25	1
Chloroethane	ND		0.50	0.10	ug/L			06/30/23 07:25	1
Chloroform	ND		0.50	0.090	ug/L			06/30/23 07:25	1
Chloromethane	0.11	J	0.50	0.10	ug/L			06/30/23 07:25	1
cis-1,2-Dichloroethene	0.47	J	0.50	0.080	ug/L			06/30/23 07:25	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/30/23 07:25	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/30/23 07:25	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/30/23 07:25	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/30/23 07:25	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/30/23 07:25	1
Styrene	ND		0.50	0.070	ug/L			06/30/23 07:25	1
Tetrachloroethene	0.86		0.50	0.20	ug/L			06/30/23 07:25	1
Toluene	ND		0.50	0.080	ug/L			06/30/23 07:25	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/30/23 07:25	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/30/23 07:25	1
Trichloroethene	0.28	J	0.50	0.080	ug/L			06/30/23 07:25	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/30/23 07:25	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/30/23 07:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120					06/30/23 07:25	1
4-Bromofluorobenzene (Surr)	98		80 - 120					06/30/23 07:25	1
Dibromofluoromethane (Surr)	99		80 - 120					06/30/23 07:25	1
Toluene-d8 (Surr)	97		80 - 120					06/30/23 07:25	1

Client Sample Results

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

Job ID: 410-131835-1

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

Lab Sample ID: 410-131835-6

Date Collected: 06/21/23 11:35

Matrix: Water

Date Received: 06/22/23 17:12

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			06/30/23 01:06	1
1,1,1-Trichloroethane	0.24	J	0.50	0.080	ug/L			06/30/23 01:06	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/30/23 01:06	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/30/23 01:06	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/30/23 01:06	1
1,1-Dichloroethene	0.14	J	0.50	0.10	ug/L			06/30/23 01:06	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/30/23 01:06	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/30/23 01:06	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/30/23 01:06	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/30/23 01:06	1
2-Hexanone	ND		5.0	2.0	ug/L			06/30/23 01:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/30/23 01:06	1
Acetone	ND		5.0	1.0	ug/L			06/30/23 01:06	1
Benzene	ND		0.50	0.10	ug/L			06/30/23 01:06	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/30/23 01:06	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/30/23 01:06	1
Bromoform	ND		1.0	0.30	ug/L			06/30/23 01:06	1
Bromomethane	ND		0.50	0.10	ug/L			06/30/23 01:06	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/30/23 01:06	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/30/23 01:06	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/30/23 01:06	1
Chloroethane	ND		0.50	0.10	ug/L			06/30/23 01:06	1
Chloroform	0.23	J	0.50	0.090	ug/L			06/30/23 01:06	1
Chloromethane	0.12	J FL	0.50	0.10	ug/L			06/30/23 01:06	1
cis-1,2-Dichloroethene	1.1		0.50	0.080	ug/L			06/30/23 01:06	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/30/23 01:06	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/30/23 01:06	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/30/23 01:06	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/30/23 01:06	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/30/23 01:06	1
Styrene	ND		0.50	0.070	ug/L			06/30/23 01:06	1
Tetrachloroethene	3.9		0.50	0.20	ug/L			06/30/23 01:06	1
Toluene	ND		0.50	0.080	ug/L			06/30/23 01:06	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/30/23 01:06	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/30/23 01:06	1
Trichloroethene	1.1		0.50	0.080	ug/L			06/30/23 01:06	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/30/23 01:06	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/30/23 01:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		06/30/23 01:06	1
4-Bromofluorobenzene (Surr)	99		80 - 120		06/30/23 01:06	1
Dibromofluoromethane (Surr)	100		80 - 120		06/30/23 01:06	1
Toluene-d8 (Surr)	98		80 - 120		06/30/23 01:06	1

Client Sample Results

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

Job ID: 410-131835-1

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

Lab Sample ID: 410-131835-7

Date Collected: 06/21/23 09:55

Matrix: Water

Date Received: 06/22/23 17:12

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			06/30/23 07:46	1
1,1,1-Trichloroethane	0.095	J	0.50	0.080	ug/L			06/30/23 07:46	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/30/23 07:46	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/30/23 07:46	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/30/23 07:46	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/30/23 07:46	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/30/23 07:46	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/30/23 07:46	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/30/23 07:46	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/30/23 07:46	1
2-Hexanone	ND		5.0	2.0	ug/L			06/30/23 07:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/30/23 07:46	1
Acetone	3.3	J	5.0	1.0	ug/L			06/30/23 07:46	1
Benzene	ND		0.50	0.10	ug/L			06/30/23 07:46	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/30/23 07:46	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/30/23 07:46	1
Bromoform	ND		1.0	0.30	ug/L			06/30/23 07:46	1
Bromomethane	ND		0.50	0.10	ug/L			06/30/23 07:46	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/30/23 07:46	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/30/23 07:46	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/30/23 07:46	1
Chloroethane	ND		0.50	0.10	ug/L			06/30/23 07:46	1
Chloroform	ND		0.50	0.090	ug/L			06/30/23 07:46	1
Chloromethane	0.11	J	0.50	0.10	ug/L			06/30/23 07:46	1
cis-1,2-Dichloroethene	0.48	J	0.50	0.080	ug/L			06/30/23 07:46	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/30/23 07:46	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/30/23 07:46	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/30/23 07:46	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/30/23 07:46	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/30/23 07:46	1
Styrene	ND		0.50	0.070	ug/L			06/30/23 07:46	1
Tetrachloroethene	1.2		0.50	0.20	ug/L			06/30/23 07:46	1
Toluene	ND		0.50	0.080	ug/L			06/30/23 07:46	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/30/23 07:46	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/30/23 07:46	1
Trichloroethene	0.32	J	0.50	0.080	ug/L			06/30/23 07:46	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/30/23 07:46	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/30/23 07:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		06/30/23 07:46	1
4-Bromofluorobenzene (Surr)	99		80 - 120		06/30/23 07:46	1
Dibromofluoromethane (Surr)	99		80 - 120		06/30/23 07:46	1
Toluene-d8 (Surr)	98		80 - 120		06/30/23 07:46	1

Client Sample Results

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

Job ID: 410-131835-1

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

Lab Sample ID: 410-131835-8

Date Collected: 06/21/23 10:05

Matrix: Water

Date Received: 06/22/23 17:12

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			07/02/23 15:14	1
1,1,1-Trichloroethane	2.9		0.50	0.080	ug/L			07/02/23 15:14	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/02/23 15:14	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/02/23 15:14	1
1,1-Dichloroethane	0.70		0.50	0.10	ug/L			07/02/23 15:14	1
1,1-Dichloroethene	0.26	J	0.50	0.10	ug/L			07/02/23 15:14	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/02/23 15:14	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/02/23 15:14	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/02/23 15:14	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/02/23 15:14	1
2-Hexanone	ND		5.0	2.0	ug/L			07/02/23 15:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/02/23 15:14	1
Acetone	1.8	J	5.0	1.0	ug/L			07/02/23 15:14	1
Benzene	ND		0.50	0.10	ug/L			07/02/23 15:14	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/02/23 15:14	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/02/23 15:14	1
Bromoform	ND		1.0	0.30	ug/L			07/02/23 15:14	1
Bromomethane	ND		0.50	0.10	ug/L			07/02/23 15:14	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/02/23 15:14	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/02/23 15:14	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/02/23 15:14	1
Chloroethane	ND		0.50	0.10	ug/L			07/02/23 15:14	1
Chloroform	0.17	J	0.50	0.090	ug/L			07/02/23 15:14	1
Chloromethane	0.19	J	0.50	0.10	ug/L			07/02/23 15:14	1
cis-1,2-Dichloroethene	2.9		0.50	0.080	ug/L			07/02/23 15:14	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/02/23 15:14	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/02/23 15:14	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/02/23 15:14	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/02/23 15:14	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/02/23 15:14	1
Styrene	ND		0.50	0.070	ug/L			07/02/23 15:14	1
Toluene	ND		0.50	0.080	ug/L			07/02/23 15:14	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/02/23 15:14	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/02/23 15:14	1
Trichloroethene	2.3		0.50	0.080	ug/L			07/02/23 15:14	1
Vinyl chloride	ND		0.50	0.10	ug/L			07/02/23 15:14	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/02/23 15:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		07/02/23 15:14	1
4-Bromofluorobenzene (Surr)	98		80 - 120		07/02/23 15:14	1
Dibromofluoromethane (Surr)	101		80 - 120		07/02/23 15:14	1
Toluene-d8 (Surr)	98		80 - 120		07/02/23 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	46		5.0	2.0	ug/L			07/02/23 15:34	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		07/02/23 15:34	10

Client Sample Results

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

Job ID: 410-131835-1

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

Lab Sample ID: 410-131835-8

Date Collected: 06/21/23 10:05

Matrix: Water

Date Received: 06/22/23 17:12

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		80 - 120		07/02/23 15:34	10
Dibromofluoromethane (Surr)	101		80 - 120		07/02/23 15:34	10
Toluene-d8 (Surr)	97		80 - 120		07/02/23 15:34	10

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

Lab Sample ID: 410-131835-9

Date Collected: 06/21/23 10:53

Matrix: Water

Date Received: 06/22/23 17:12

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			07/02/23 15:55	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			07/02/23 15:55	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/02/23 15:55	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/02/23 15:55	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			07/02/23 15:55	1
1,1-Dichloroethene	0.17	J	0.50	0.10	ug/L			07/02/23 15:55	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/02/23 15:55	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/02/23 15:55	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/02/23 15:55	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/02/23 15:55	1
2-Hexanone	ND		5.0	2.0	ug/L			07/02/23 15:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/02/23 15:55	1
Acetone	1.3	J	5.0	1.0	ug/L			07/02/23 15:55	1
Benzene	ND		0.50	0.10	ug/L			07/02/23 15:55	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/02/23 15:55	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/02/23 15:55	1
Bromoform	ND		1.0	0.30	ug/L			07/02/23 15:55	1
Bromomethane	ND		0.50	0.10	ug/L			07/02/23 15:55	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/02/23 15:55	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/02/23 15:55	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/02/23 15:55	1
Chloroethane	ND		0.50	0.10	ug/L			07/02/23 15:55	1
Chloroform	0.50		0.50	0.090	ug/L			07/02/23 15:55	1
Chloromethane	0.15	J	0.50	0.10	ug/L			07/02/23 15:55	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			07/02/23 15:55	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/02/23 15:55	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/02/23 15:55	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/02/23 15:55	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/02/23 15:55	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/02/23 15:55	1
Styrene	ND		0.50	0.070	ug/L			07/02/23 15:55	1
Tetrachloroethene	3.8		0.50	0.20	ug/L			07/02/23 15:55	1
Toluene	ND		0.50	0.080	ug/L			07/02/23 15:55	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/02/23 15:55	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/02/23 15:55	1
Trichloroethene	0.18	J	0.50	0.080	ug/L			07/02/23 15:55	1
Vinyl chloride	ND		0.50	0.10	ug/L			07/02/23 15:55	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/02/23 15:55	1

Client Sample Results

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

Job ID: 410-131835-1

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

Lab Sample ID: 410-131835-9

Date Collected: 06/21/23 10:53

Matrix: Water

Date Received: 06/22/23 17:12

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		07/02/23 15:55	1
4-Bromofluorobenzene (Surr)	99		80 - 120		07/02/23 15:55	1
Dibromofluoromethane (Surr)	100		80 - 120		07/02/23 15:55	1
Toluene-d8 (Surr)	97		80 - 120		07/02/23 15:55	1

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

Lab Sample ID: 410-131835-10

Date Collected: 06/21/23 11:26

Matrix: Water

Date Received: 06/22/23 17:12

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			07/02/23 16:16	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			07/02/23 16:16	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/02/23 16:16	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/02/23 16:16	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			07/02/23 16:16	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			07/02/23 16:16	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/02/23 16:16	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/02/23 16:16	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/02/23 16:16	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/02/23 16:16	1
2-Hexanone	ND		5.0	2.0	ug/L			07/02/23 16:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/02/23 16:16	1
Acetone	2.3	J	5.0	1.0	ug/L			07/02/23 16:16	1
Benzene	ND		0.50	0.10	ug/L			07/02/23 16:16	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/02/23 16:16	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/02/23 16:16	1
Bromoform	ND		1.0	0.30	ug/L			07/02/23 16:16	1
Bromomethane	ND		0.50	0.10	ug/L			07/02/23 16:16	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/02/23 16:16	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/02/23 16:16	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/02/23 16:16	1
Chloroethane	ND		0.50	0.10	ug/L			07/02/23 16:16	1
Chloroform	0.13	J	0.50	0.090	ug/L			07/02/23 16:16	1
Chloromethane	0.13	J	0.50	0.10	ug/L			07/02/23 16:16	1
cis-1,2-Dichloroethene	0.39	J	0.50	0.080	ug/L			07/02/23 16:16	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/02/23 16:16	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/02/23 16:16	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/02/23 16:16	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/02/23 16:16	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/02/23 16:16	1
Styrene	ND		0.50	0.070	ug/L			07/02/23 16:16	1
Tetrachloroethene	0.58		0.50	0.20	ug/L			07/02/23 16:16	1
Toluene	0.081	J	0.50	0.080	ug/L			07/02/23 16:16	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/02/23 16:16	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/02/23 16:16	1
Trichloroethene	0.35	J	0.50	0.080	ug/L			07/02/23 16:16	1
Vinyl chloride	ND		0.50	0.10	ug/L			07/02/23 16:16	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/02/23 16:16	1

Client Sample Results

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

Job ID: 410-131835-1

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

Lab Sample ID: 410-131835-10

Date Collected: 06/21/23 11:26

Matrix: Water

Date Received: 06/22/23 17:12

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		07/02/23 16:16	1
4-Bromofluorobenzene (Surr)	98		80 - 120		07/02/23 16:16	1
Dibromofluoromethane (Surr)	102		80 - 120		07/02/23 16:16	1
Toluene-d8 (Surr)	97		80 - 120		07/02/23 16:16	1

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

Lab Sample ID: 410-131835-11

Date Collected: 06/21/23 12:50

Matrix: Water

Date Received: 06/22/23 17:12

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			07/02/23 16:37	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			07/02/23 16:37	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/02/23 16:37	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/02/23 16:37	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			07/02/23 16:37	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			07/02/23 16:37	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/02/23 16:37	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/02/23 16:37	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/02/23 16:37	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/02/23 16:37	1
2-Hexanone	ND		5.0	2.0	ug/L			07/02/23 16:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/02/23 16:37	1
Acetone	4.0	J	5.0	1.0	ug/L			07/02/23 16:37	1
Benzene	ND		0.50	0.10	ug/L			07/02/23 16:37	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/02/23 16:37	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/02/23 16:37	1
Bromoform	ND		1.0	0.30	ug/L			07/02/23 16:37	1
Bromomethane	ND		0.50	0.10	ug/L			07/02/23 16:37	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/02/23 16:37	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/02/23 16:37	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/02/23 16:37	1
Chloroethane	ND		0.50	0.10	ug/L			07/02/23 16:37	1
Chloroform	0.091	J	0.50	0.090	ug/L			07/02/23 16:37	1
Chloromethane	0.10	J	0.50	0.10	ug/L			07/02/23 16:37	1
cis-1,2-Dichloroethene	0.28	J	0.50	0.080	ug/L			07/02/23 16:37	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/02/23 16:37	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/02/23 16:37	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/02/23 16:37	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/02/23 16:37	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/02/23 16:37	1
Styrene	ND		0.50	0.070	ug/L			07/02/23 16:37	1
Tetrachloroethene	ND		0.50	0.20	ug/L			07/02/23 16:37	1
Toluene	0.11	J	0.50	0.080	ug/L			07/02/23 16:37	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/02/23 16:37	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/02/23 16:37	1
Trichloroethene	0.22	J	0.50	0.080	ug/L			07/02/23 16:37	1
Vinyl chloride	ND		0.50	0.10	ug/L			07/02/23 16:37	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/02/23 16:37	1

Client Sample Results

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

Job ID: 410-131835-1

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

Lab Sample ID: 410-131835-11

Date Collected: 06/21/23 12:50

Matrix: Water

Date Received: 06/22/23 17:12

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		07/02/23 16:37	1
4-Bromofluorobenzene (Surr)	98		80 - 120		07/02/23 16:37	1
Dibromofluoromethane (Surr)	101		80 - 120		07/02/23 16:37	1
Toluene-d8 (Surr)	97		80 - 120		07/02/23 16:37	1

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

Lab Sample ID: 410-131835-12

Date Collected: 06/21/23 08:50

Matrix: Water

Date Received: 06/22/23 17:12

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			07/02/23 16:59	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			07/02/23 16:59	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/02/23 16:59	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/02/23 16:59	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			07/02/23 16:59	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			07/02/23 16:59	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/02/23 16:59	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/02/23 16:59	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/02/23 16:59	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/02/23 16:59	1
2-Hexanone	ND		5.0	2.0	ug/L			07/02/23 16:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/02/23 16:59	1
Acetone	2.8	J	5.0	1.0	ug/L			07/02/23 16:59	1
Benzene	ND		0.50	0.10	ug/L			07/02/23 16:59	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/02/23 16:59	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/02/23 16:59	1
Bromoform	ND		1.0	0.30	ug/L			07/02/23 16:59	1
Bromomethane	ND		0.50	0.10	ug/L			07/02/23 16:59	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/02/23 16:59	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/02/23 16:59	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/02/23 16:59	1
Chloroethane	ND		0.50	0.10	ug/L			07/02/23 16:59	1
Chloroform	ND		0.50	0.090	ug/L			07/02/23 16:59	1
Chloromethane	0.19	J	0.50	0.10	ug/L			07/02/23 16:59	1
cis-1,2-Dichloroethene	0.29	J	0.50	0.080	ug/L			07/02/23 16:59	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/02/23 16:59	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/02/23 16:59	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/02/23 16:59	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/02/23 16:59	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/02/23 16:59	1
Styrene	ND		0.50	0.070	ug/L			07/02/23 16:59	1
Tetrachloroethene	0.33	J	0.50	0.20	ug/L			07/02/23 16:59	1
Toluene	ND		0.50	0.080	ug/L			07/02/23 16:59	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/02/23 16:59	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/02/23 16:59	1
Trichloroethene	0.24	J	0.50	0.080	ug/L			07/02/23 16:59	1
Vinyl chloride	ND		0.50	0.10	ug/L			07/02/23 16:59	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/02/23 16:59	1

Client Sample Results

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

Job ID: 410-131835-1

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

Lab Sample ID: 410-131835-12

Date Collected: 06/21/23 08:50

Matrix: Water

Date Received: 06/22/23 17:12

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		07/02/23 16:59	1
4-Bromofluorobenzene (Surr)	99		80 - 120		07/02/23 16:59	1
Dibromofluoromethane (Surr)	100		80 - 120		07/02/23 16:59	1
Toluene-d8 (Surr)	98		80 - 120		07/02/23 16:59	1

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

Lab Sample ID: 410-131835-13

Date Collected: 06/21/23 12:00

Matrix: Water

Date Received: 06/22/23 17:12

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			07/02/23 17:20	1
1,1,1-Trichloroethane	3.7		0.50	0.080	ug/L			07/02/23 17:20	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/02/23 17:20	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/02/23 17:20	1
1,1-Dichloroethane	0.95		0.50	0.10	ug/L			07/02/23 17:20	1
1,1-Dichloroethene	0.36 J		0.50	0.10	ug/L			07/02/23 17:20	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/02/23 17:20	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/02/23 17:20	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/02/23 17:20	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/02/23 17:20	1
2-Hexanone	ND		5.0	2.0	ug/L			07/02/23 17:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/02/23 17:20	1
Acetone	1.6 J		5.0	1.0	ug/L			07/02/23 17:20	1
Benzene	ND		0.50	0.10	ug/L			07/02/23 17:20	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/02/23 17:20	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/02/23 17:20	1
Bromoform	ND		1.0	0.30	ug/L			07/02/23 17:20	1
Bromomethane	ND		0.50	0.10	ug/L			07/02/23 17:20	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/02/23 17:20	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/02/23 17:20	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/02/23 17:20	1
Chloroethane	ND		0.50	0.10	ug/L			07/02/23 17:20	1
Chloroform	0.19 J		0.50	0.090	ug/L			07/02/23 17:20	1
Chloromethane	0.10 J		0.50	0.10	ug/L			07/02/23 17:20	1
cis-1,2-Dichloroethene	4.5		0.50	0.080	ug/L			07/02/23 17:20	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/02/23 17:20	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/02/23 17:20	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/02/23 17:20	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/02/23 17:20	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/02/23 17:20	1
Styrene	ND		0.50	0.070	ug/L			07/02/23 17:20	1
Toluene	ND		0.50	0.080	ug/L			07/02/23 17:20	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/02/23 17:20	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/02/23 17:20	1
Trichloroethene	3.0		0.50	0.080	ug/L			07/02/23 17:20	1
Vinyl chloride	0.14 J		0.50	0.10	ug/L			07/02/23 17:20	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/02/23 17:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		07/02/23 17:20	1

Client Sample Results

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

Job ID: 410-131835-1

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

Lab Sample ID: 410-131835-13

Date Collected: 06/21/23 12:00

Matrix: Water

Date Received: 06/22/23 17:12

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		80 - 120		07/02/23 17:20	1
Dibromofluoromethane (Surr)	101		80 - 120		07/02/23 17:20	1
Toluene-d8 (Surr)	97		80 - 120		07/02/23 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	36		5.0	2.0	ug/L			07/02/23 17:41	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		07/02/23 17:41	10
4-Bromofluorobenzene (Surr)	98		80 - 120		07/02/23 17:41	10
Dibromofluoromethane (Surr)	101		80 - 120		07/02/23 17:41	10
Toluene-d8 (Surr)	97		80 - 120		07/02/23 17:41	10

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

Lab Sample ID: 410-131835-14

Date Collected: 06/20/23 00:00

Matrix: Water

Date Received: 06/22/23 17:12

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			07/02/23 18:02	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			07/02/23 18:02	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/02/23 18:02	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/02/23 18:02	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			07/02/23 18:02	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			07/02/23 18:02	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/02/23 18:02	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/02/23 18:02	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/02/23 18:02	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/02/23 18:02	1
2-Hexanone	ND		5.0	2.0	ug/L			07/02/23 18:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/02/23 18:02	1
Acetone	ND		5.0	1.0	ug/L			07/02/23 18:02	1
Benzene	ND		0.50	0.10	ug/L			07/02/23 18:02	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/02/23 18:02	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/02/23 18:02	1
Bromoform	ND		1.0	0.30	ug/L			07/02/23 18:02	1
Bromomethane	ND		0.50	0.10	ug/L			07/02/23 18:02	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/02/23 18:02	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/02/23 18:02	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/02/23 18:02	1
Chloroethane	ND		0.50	0.10	ug/L			07/02/23 18:02	1
Chloroform	ND		0.50	0.090	ug/L			07/02/23 18:02	1
Chloromethane	ND		0.50	0.10	ug/L			07/02/23 18:02	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			07/02/23 18:02	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/02/23 18:02	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/02/23 18:02	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/02/23 18:02	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/02/23 18:02	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/02/23 18:02	1

Client Sample Results

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

Job ID: 410-131835-1

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

Lab Sample ID: 410-131835-14

Date Collected: 06/20/23 00:00

Matrix: Water

Date Received: 06/22/23 17:12

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			07/02/23 18:02	1
Tetrachloroethene	ND		0.50	0.20	ug/L			07/02/23 18:02	1
Toluene	ND		0.50	0.080	ug/L			07/02/23 18:02	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/02/23 18:02	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/02/23 18:02	1
Trichloroethene	ND		0.50	0.080	ug/L			07/02/23 18:02	1
Vinyl chloride	ND		0.50	0.10	ug/L			07/02/23 18:02	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/02/23 18:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		07/02/23 18:02	1
4-Bromofluorobenzene (Surr)	99		80 - 120		07/02/23 18:02	1
Dibromofluoromethane (Surr)	102		80 - 120		07/02/23 18:02	1
Toluene-d8 (Surr)	97		80 - 120		07/02/23 18:02	1

Default Detection Limits

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

Job ID: 410-131835-1

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

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

Surrogate Summary

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

Job ID: 410-131835-1

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)
410-131835-1	HD-COD-SW-6-0/1-0	105	94	100	99
410-131835-2	HD-COD-SW-7-0/1-0	102	98	101	98
410-131835-3	HD-COD-SW-8-0/1-0	100	98	100	98
410-131835-4	HD-COD-SW-9-0/1-0	100	100	99	98
410-131835-5	HD-COD-SW-13-0/1-0	100	98	99	97
410-131835-6	HD-COD-SW-15-0/1-0	102	99	100	98
410-131835-6 MS	HD-COD-SW-15-0/1-0 MS	98	100	100	98
410-131835-6 MSD	HD-COD-SW-15-0/1-0 MSD	98	100	100	99
410-131835-7	HD-COD-SW-16-0/1-0	99	99	99	98
410-131835-8	HD-COD-SW-17-0/1-0	101	98	101	98
410-131835-8 - DL	HD-COD-SW-17-0/1-0	102	98	101	97
410-131835-9	HD-COD-SW-26-0/1-0	102	99	100	97
410-131835-10	HD-COD-SW-27-0/1-0	101	98	102	97
410-131835-11	HD-COD-SW-28-0/1-0	100	98	101	97
410-131835-12	HD-COD-SW-29-0/1-0	101	99	100	98
410-131835-13	HD-QC1-0/1-1	101	99	101	97
410-131835-13 - DL	HD-QC1-0/1-1	102	98	101	97
410-131835-14	HD-QC1-0/1-2	101	99	102	97
LCS 410-392483/4	Lab Control Sample	103	100	99	99
LCS 410-393012/4	Lab Control Sample	100	100	100	98
LCS 410-393586/4	Lab Control Sample	101	97	102	99
LCSD 410-393012/5	Lab Control Sample Dup	101	99	100	98
MB 410-392483/6	Method Blank	100	99	100	98
MB 410-393012/7	Method Blank	98	99	99	97
MB 410-393586/6	Method Blank	101	94	102	99

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: 410-131835-1

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

Lab Sample ID: MB 410-392483/6
 Matrix: Water
 Analysis Batch: 392483

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			06/29/23 23:21	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/29/23 23:21	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/29/23 23:21	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/29/23 23:21	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/29/23 23:21	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/29/23 23:21	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/29/23 23:21	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/29/23 23:21	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/29/23 23:21	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/29/23 23:21	1
2-Hexanone	ND		5.0	2.0	ug/L			06/29/23 23:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/29/23 23:21	1
Acetone	ND		5.0	1.0	ug/L			06/29/23 23:21	1
Benzene	ND		0.50	0.10	ug/L			06/29/23 23:21	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/29/23 23:21	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/29/23 23:21	1
Bromoform	ND		1.0	0.30	ug/L			06/29/23 23:21	1
Bromomethane	ND		0.50	0.10	ug/L			06/29/23 23:21	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/29/23 23:21	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/29/23 23:21	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/29/23 23:21	1
Chloroethane	ND		0.50	0.10	ug/L			06/29/23 23:21	1
Chloroform	ND		0.50	0.090	ug/L			06/29/23 23:21	1
Chloromethane	ND		0.50	0.10	ug/L			06/29/23 23:21	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			06/29/23 23:21	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/29/23 23:21	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/29/23 23:21	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/29/23 23:21	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/29/23 23:21	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/29/23 23:21	1
Styrene	ND		0.50	0.070	ug/L			06/29/23 23:21	1
Tetrachloroethene	ND		0.50	0.20	ug/L			06/29/23 23:21	1
Toluene	ND		0.50	0.080	ug/L			06/29/23 23:21	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/29/23 23:21	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/29/23 23:21	1
Trichloroethene	ND		0.50	0.080	ug/L			06/29/23 23:21	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/29/23 23:21	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/29/23 23:21	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		06/29/23 23:21	1
4-Bromofluorobenzene (Surr)	99		80 - 120		06/29/23 23:21	1
Dibromofluoromethane (Surr)	100		80 - 120		06/29/23 23:21	1
Toluene-d8 (Surr)	98		80 - 120		06/29/23 23:21	1

QC Sample Results

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

Job ID: 410-131835-1

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

Lab Sample ID: LCS 410-392483/4
Matrix: Water
Analysis Batch: 392483

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	4.67		ug/L		93	71 - 134
1,1,1-Trichloroethane	5.00	4.58		ug/L		92	78 - 126
1,1,2,2-Tetrachloroethane	5.00	4.38		ug/L		88	75 - 123
1,1,2-Trichloroethane	5.00	4.54		ug/L		91	80 - 120
1,1-Dichloroethane	5.00	4.67		ug/L		93	74 - 120
1,1-Dichloroethene	5.00	4.64		ug/L		93	80 - 131
1,2-Dibromoethane (EDB)	5.00	4.63		ug/L		93	80 - 120
1,2-Dichloroethane	5.00	4.48		ug/L		90	69 - 122
1,2-Dichloropropane	5.00	4.86		ug/L		97	80 - 120
2-Butanone (MEK)	62.5	51.1		ug/L		82	59 - 141
2-Hexanone	62.5	49.7		ug/L		80	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	49.8		ug/L		80	55 - 140
Acetone	62.5	48.8		ug/L		78	60 - 146
Benzene	5.00	4.87		ug/L		97	80 - 120
Bromochloromethane	5.00	4.78		ug/L		96	80 - 120
Bromodichloromethane	5.00	4.55		ug/L		91	73 - 124
Bromoform	5.00	4.02		ug/L		80	49 - 144
Bromomethane	5.00	3.61		ug/L		72	60 - 136
Carbon disulfide	5.00	4.43		ug/L		89	67 - 130
Carbon tetrachloride	5.00	4.59		ug/L		92	64 - 141
Chlorobenzene	5.00	4.57		ug/L		91	80 - 120
Chloroethane	5.00	3.99		ug/L		80	63 - 120
Chloroform	5.00	4.63		ug/L		93	80 - 120
Chloromethane	5.00	3.61		ug/L		72	56 - 124
cis-1,2-Dichloroethene	5.00	4.81		ug/L		96	80 - 122
cis-1,3-Dichloropropene	5.00	4.49		ug/L		90	67 - 121
Dibromochloromethane	5.00	4.33		ug/L		87	64 - 138
Ethylbenzene	5.00	4.63		ug/L		93	80 - 120
Methyl tert-butyl ether	5.00	4.56		ug/L		91	69 - 120
Methylene Chloride	5.00	4.79		ug/L		96	80 - 120
Styrene	5.00	4.61		ug/L		92	80 - 120
Tetrachloroethene	5.00	4.46		ug/L		89	80 - 120
Toluene	5.00	4.69		ug/L		94	80 - 120
trans-1,2-Dichloroethene	5.00	4.61		ug/L		92	80 - 122
trans-1,3-Dichloropropene	5.00	4.44		ug/L		89	61 - 129
Trichloroethene	5.00	4.63		ug/L		93	80 - 120
Vinyl chloride	5.00	3.71		ug/L		74	60 - 125
Xylenes, Total	15.0	14.0		ug/L		93	80 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
Toluene-d8 (Surr)	99		80 - 120

QC Sample Results

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

Job ID: 410-131835-1

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

Lab Sample ID: 410-131835-6 MS

Matrix: Water

Analysis Batch: 392483

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	5.02		ug/L		100	71 - 134
1,1,1-Trichloroethane	0.24	J	5.00	5.63		ug/L		108	78 - 126
1,1,2,2-Tetrachloroethane	ND		5.00	4.48		ug/L		90	75 - 123
1,1,2-Trichloroethane	ND		5.00	4.80		ug/L		96	80 - 120
1,1-Dichloroethane	ND		5.00	5.36		ug/L		107	74 - 120
1,1-Dichloroethene	0.14	J	5.00	5.75		ug/L		112	80 - 131
1,2-Dibromoethane (EDB)	ND		5.00	4.84		ug/L		97	80 - 120
1,2-Dichloroethane	ND		5.00	4.73		ug/L		95	69 - 122
1,2-Dichloropropane	ND		5.00	5.30		ug/L		106	80 - 120
2-Butanone (MEK)	ND		62.6	62.1		ug/L		99	59 - 141
2-Hexanone	ND		62.6	61.1		ug/L		98	52 - 140
4-Methyl-2-pentanone (MIBK)	ND		62.6	61.7		ug/L		99	55 - 140
Acetone	ND		62.6	56.8		ug/L		91	60 - 146
Benzene	ND		5.00	5.45		ug/L		109	80 - 120
Bromochloromethane	ND		5.00	5.15		ug/L		103	80 - 120
Bromodichloromethane	ND		5.00	4.89		ug/L		98	73 - 124
Bromoform	ND		5.00	4.14		ug/L		83	49 - 144
Bromomethane	ND		5.00	4.05		ug/L		81	60 - 136
Carbon disulfide	ND		5.00	5.20		ug/L		104	67 - 130
Carbon tetrachloride	ND		5.00	5.61		ug/L		112	64 - 141
Chlorobenzene	ND		5.00	5.00		ug/L		100	80 - 120
Chloroethane	ND		5.00	4.46		ug/L		89	63 - 120
Chloroform	0.23	J	5.00	5.35		ug/L		102	80 - 120
Chloromethane	0.12	J FL	5.00	4.06	FL	ug/L		79	80 - 120
cis-1,2-Dichloroethene	1.1		5.00	6.46		ug/L		107	80 - 122
cis-1,3-Dichloropropene	ND		5.00	4.82		ug/L		96	67 - 121
Dibromochloromethane	ND		5.00	4.57		ug/L		91	64 - 138
Ethylbenzene	ND		5.00	5.19		ug/L		104	80 - 120
Methyl tert-butyl ether	ND		5.00	4.76		ug/L		95	69 - 120
Methylene Chloride	ND		5.00	5.19		ug/L		104	80 - 120
Styrene	ND		5.00	5.04		ug/L		101	80 - 120
Tetrachloroethene	3.9		5.00	9.03		ug/L		103	80 - 120
Toluene	ND		5.00	5.25		ug/L		105	80 - 120
trans-1,2-Dichloroethene	ND		5.00	5.29		ug/L		106	80 - 122
trans-1,3-Dichloropropene	ND		5.00	4.71		ug/L		94	61 - 129
Trichloroethene	1.1		5.00	6.34		ug/L		105	80 - 120
Vinyl chloride	ND		5.00	4.41		ug/L		88	60 - 125
Xylenes, Total	ND		15.0	15.5		ug/L		103	80 - 120

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

QC Sample Results

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

Job ID: 410-131835-1

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

Lab Sample ID: 410-131835-6 MSD

Matrix: Water

Analysis Batch: 392483

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	5.30		ug/L		106	71 - 134	6	30
1,1,1-Trichloroethane	0.24	J	5.00	5.93		ug/L		114	78 - 126	5	30
1,1,2,2-Tetrachloroethane	ND		5.00	4.99		ug/L		100	75 - 123	11	30
1,1,2-Trichloroethane	ND		5.00	5.06		ug/L		101	80 - 120	5	30
1,1-Dichloroethane	ND		5.00	5.63		ug/L		112	74 - 120	5	30
1,1-Dichloroethene	0.14	J	5.00	6.06		ug/L		118	80 - 131	5	30
1,2-Dibromoethane (EDB)	ND		5.00	5.16		ug/L		103	80 - 120	6	30
1,2-Dichloroethane	ND		5.00	5.00		ug/L		100	69 - 122	6	30
1,2-Dichloropropane	ND		5.00	5.55		ug/L		111	80 - 120	5	30
2-Butanone (MEK)	ND		62.6	58.4		ug/L		93	59 - 141	6	30
2-Hexanone	ND		62.6	57.3		ug/L		92	52 - 140	7	30
4-Methyl-2-pentanone (MIBK)	ND		62.6	57.8		ug/L		92	55 - 140	6	30
Acetone	ND		62.6	55.4		ug/L		89	60 - 146	2	30
Benzene	ND		5.00	5.76		ug/L		115	80 - 120	5	30
Bromochloromethane	ND		5.00	5.42		ug/L		108	80 - 120	5	30
Bromodichloromethane	ND		5.00	5.15		ug/L		103	73 - 124	5	30
Bromoform	ND		5.00	4.42		ug/L		88	49 - 144	6	30
Bromomethane	ND		5.00	4.27		ug/L		85	60 - 136	5	30
Carbon disulfide	ND		5.00	5.56		ug/L		111	67 - 130	7	30
Carbon tetrachloride	ND		5.00	5.91		ug/L		118	64 - 141	5	30
Chlorobenzene	ND		5.00	5.25		ug/L		105	80 - 120	5	30
Chloroethane	ND		5.00	4.71		ug/L		94	63 - 120	5	30
Chloroform	0.23	J	5.00	5.59		ug/L		107	80 - 120	4	30
Chloromethane	0.12	J FL	5.00	4.36		ug/L		85	80 - 120	7	30
cis-1,2-Dichloroethene	1.1		5.00	6.80		ug/L		113	80 - 122	5	30
cis-1,3-Dichloropropene	ND		5.00	5.19		ug/L		104	67 - 121	7	30
Dibromochloromethane	ND		5.00	4.84		ug/L		97	64 - 138	6	30
Ethylbenzene	ND		5.00	5.49		ug/L		110	80 - 120	6	30
Methyl tert-butyl ether	ND		5.00	5.16		ug/L		103	69 - 120	8	30
Methylene Chloride	ND		5.00	5.40		ug/L		108	80 - 120	4	30
Styrene	ND		5.00	5.28		ug/L		106	80 - 120	5	30
Tetrachloroethene	3.9		5.00	9.58		ug/L		114	80 - 120	6	30
Toluene	ND		5.00	5.58		ug/L		111	80 - 120	6	30
trans-1,2-Dichloroethene	ND		5.00	5.55		ug/L		111	80 - 122	5	30
trans-1,3-Dichloropropene	ND		5.00	5.02		ug/L		100	61 - 129	6	30
Trichloroethene	1.1		5.00	6.73		ug/L		113	80 - 120	6	30
Vinyl chloride	ND		5.00	4.63		ug/L		92	60 - 125	5	30
Xylenes, Total	ND		15.0	16.4		ug/L		109	80 - 120	5	30

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

QC Sample Results

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

Job ID: 410-131835-1

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

Lab Sample ID: MB 410-393012/7
 Matrix: Water
 Analysis Batch: 393012

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			07/02/23 13:27	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			07/02/23 13:27	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/02/23 13:27	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/02/23 13:27	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			07/02/23 13:27	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			07/02/23 13:27	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/02/23 13:27	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/02/23 13:27	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/02/23 13:27	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/02/23 13:27	1
2-Hexanone	ND		5.0	2.0	ug/L			07/02/23 13:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/02/23 13:27	1
Acetone	1.15	J	5.0	1.0	ug/L			07/02/23 13:27	1
Benzene	ND		0.50	0.10	ug/L			07/02/23 13:27	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/02/23 13:27	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/02/23 13:27	1
Bromoform	ND		1.0	0.30	ug/L			07/02/23 13:27	1
Bromomethane	ND		0.50	0.10	ug/L			07/02/23 13:27	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/02/23 13:27	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/02/23 13:27	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/02/23 13:27	1
Chloroethane	ND		0.50	0.10	ug/L			07/02/23 13:27	1
Chloroform	ND		0.50	0.090	ug/L			07/02/23 13:27	1
Chloromethane	ND		0.50	0.10	ug/L			07/02/23 13:27	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			07/02/23 13:27	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/02/23 13:27	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/02/23 13:27	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/02/23 13:27	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/02/23 13:27	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/02/23 13:27	1
Styrene	ND		0.50	0.070	ug/L			07/02/23 13:27	1
Tetrachloroethene	ND		0.50	0.20	ug/L			07/02/23 13:27	1
Toluene	ND		0.50	0.080	ug/L			07/02/23 13:27	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/02/23 13:27	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/02/23 13:27	1
Trichloroethene	ND		0.50	0.080	ug/L			07/02/23 13:27	1
Vinyl chloride	ND		0.50	0.10	ug/L			07/02/23 13:27	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/02/23 13:27	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		07/02/23 13:27	1
4-Bromofluorobenzene (Surr)	99		80 - 120		07/02/23 13:27	1
Dibromofluoromethane (Surr)	99		80 - 120		07/02/23 13:27	1
Toluene-d8 (Surr)	97		80 - 120		07/02/23 13:27	1

QC Sample Results

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

Job ID: 410-131835-1

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

Lab Sample ID: LCS 410-393012/4
Matrix: Water
Analysis Batch: 393012

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

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier			Limits	
1,1,1,2-Tetrachloroethane	5.00	5.21		ug/L		104	71 - 134
1,1,1-Trichloroethane	5.00	5.18		ug/L		104	78 - 126
1,1,2,2-Tetrachloroethane	5.00	5.05		ug/L		101	75 - 123
1,1,2-Trichloroethane	5.00	5.01		ug/L		100	80 - 120
1,1-Dichloroethane	5.00	5.23		ug/L		105	74 - 120
1,1-Dichloroethene	5.00	5.31		ug/L		106	80 - 131
1,2-Dibromoethane (EDB)	5.00	5.20		ug/L		104	80 - 120
1,2-Dichloroethane	5.00	4.99		ug/L		100	69 - 122
1,2-Dichloropropane	5.00	5.32		ug/L		106	80 - 120
2-Butanone (MEK)	62.5	59.0		ug/L		94	59 - 141
2-Hexanone	62.5	57.4		ug/L		92	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	57.7		ug/L		92	55 - 140
Acetone	62.5	56.0		ug/L		90	60 - 146
Benzene	5.00	5.40		ug/L		108	80 - 120
Bromochloromethane	5.00	5.32		ug/L		106	80 - 120
Bromodichloromethane	5.00	5.23		ug/L		105	73 - 124
Bromoform	5.00	5.14		ug/L		103	49 - 144
Bromomethane	5.00	3.86		ug/L		77	60 - 136
Carbon disulfide	5.00	5.26		ug/L		105	67 - 130
Carbon tetrachloride	5.00	5.25		ug/L		105	64 - 141
Chlorobenzene	5.00	5.02		ug/L		100	80 - 120
Chloroethane	5.00	4.13		ug/L		83	63 - 120
Chloroform	5.00	5.12		ug/L		102	80 - 120
Chloromethane	5.00	3.68		ug/L		74	56 - 124
cis-1,2-Dichloroethene	5.00	5.42		ug/L		108	80 - 122
cis-1,3-Dichloropropene	5.00	5.20		ug/L		104	67 - 121
Dibromochloromethane	5.00	5.11		ug/L		102	64 - 138
Ethylbenzene	5.00	5.11		ug/L		102	80 - 120
Methyl tert-butyl ether	5.00	5.02		ug/L		100	69 - 120
Methylene Chloride	5.00	5.22		ug/L		104	80 - 120
Styrene	5.00	5.14		ug/L		103	80 - 120
Tetrachloroethene	5.00	4.96		ug/L		99	80 - 120
Toluene	5.00	5.14		ug/L		103	80 - 120
trans-1,2-Dichloroethene	5.00	5.15		ug/L		103	80 - 122
trans-1,3-Dichloropropene	5.00	5.26		ug/L		105	61 - 129
Trichloroethene	5.00	5.13		ug/L		103	80 - 120
Vinyl chloride	5.00	3.89		ug/L		78	60 - 125
Xylenes, Total	15.0	15.4		ug/L		103	80 - 120

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

QC Sample Results

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

Job ID: 410-131835-1

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

Lab Sample ID: LCSD 410-393012/5
 Matrix: Water
 Analysis Batch: 393012

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	5.11		ug/L		102	71 - 134	2	30
1,1,1-Trichloroethane	5.00	5.09		ug/L		102	78 - 126	2	30
1,1,2,2-Tetrachloroethane	5.00	4.89		ug/L		98	75 - 123	3	30
1,1,2-Trichloroethane	5.00	4.99		ug/L		100	80 - 120	0	30
1,1-Dichloroethane	5.00	5.08		ug/L		102	74 - 120	3	30
1,1-Dichloroethene	5.00	5.20		ug/L		104	80 - 131	2	30
1,2-Dibromoethane (EDB)	5.00	5.04		ug/L		101	80 - 120	3	30
1,2-Dichloroethane	5.00	4.85		ug/L		97	69 - 122	3	30
1,2-Dichloropropane	5.00	5.29		ug/L		106	80 - 120	1	30
2-Butanone (MEK)	62.5	57.4		ug/L		92	59 - 141	3	30
2-Hexanone	62.5	56.8		ug/L		91	52 - 140	1	30
4-Methyl-2-pentanone (MIBK)	62.5	56.6		ug/L		90	55 - 140	2	30
Acetone	62.5	54.8		ug/L		88	60 - 146	2	30
Benzene	5.00	5.28		ug/L		106	80 - 120	2	30
Bromochloromethane	5.00	5.20		ug/L		104	80 - 120	2	30
Bromodichloromethane	5.00	5.08		ug/L		102	73 - 124	3	30
Bromoform	5.00	4.99		ug/L		100	49 - 144	3	30
Bromomethane	5.00	3.77		ug/L		75	60 - 136	2	30
Carbon disulfide	5.00	5.10		ug/L		102	67 - 130	3	30
Carbon tetrachloride	5.00	5.25		ug/L		105	64 - 141	0	30
Chlorobenzene	5.00	4.95		ug/L		99	80 - 120	1	30
Chloroethane	5.00	4.13		ug/L		83	63 - 120	0	30
Chloroform	5.00	5.04		ug/L		101	80 - 120	2	30
Chloromethane	5.00	3.63		ug/L		73	56 - 124	1	30
cis-1,2-Dichloroethene	5.00	5.20		ug/L		104	80 - 122	4	30
cis-1,3-Dichloropropene	5.00	5.15		ug/L		103	67 - 121	1	30
Dibromochloromethane	5.00	5.00		ug/L		100	64 - 138	2	30
Ethylbenzene	5.00	4.99		ug/L		100	80 - 120	2	30
Methyl tert-butyl ether	5.00	4.96		ug/L		99	69 - 120	1	30
Methylene Chloride	5.00	5.16		ug/L		103	80 - 120	1	30
Styrene	5.00	5.05		ug/L		101	80 - 120	2	30
Tetrachloroethene	5.00	4.82		ug/L		96	80 - 120	3	30
Toluene	5.00	5.04		ug/L		101	80 - 120	2	30
trans-1,2-Dichloroethene	5.00	5.00		ug/L		100	80 - 122	3	30
trans-1,3-Dichloropropene	5.00	5.08		ug/L		102	61 - 129	4	30
Trichloroethene	5.00	5.08		ug/L		102	80 - 120	1	30
Vinyl chloride	5.00	3.85		ug/L		77	60 - 125	1	30
Xylenes, Total	15.0	15.2		ug/L		101	80 - 120	1	30

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
Toluene-d8 (Surr)	98		80 - 120

QC Sample Results

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

Job ID: 410-131835-1

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

Lab Sample ID: MB 410-393586/6

Matrix: Water

Analysis Batch: 393586

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			07/05/23 11:05	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			07/05/23 11:05	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			07/05/23 11:05	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			07/05/23 11:05	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			07/05/23 11:05	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			07/05/23 11:05	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			07/05/23 11:05	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			07/05/23 11:05	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			07/05/23 11:05	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			07/05/23 11:05	1
2-Hexanone	ND		5.0	2.0	ug/L			07/05/23 11:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			07/05/23 11:05	1
Acetone	ND		5.0	1.0	ug/L			07/05/23 11:05	1
Benzene	ND		0.50	0.10	ug/L			07/05/23 11:05	1
Bromochloromethane	ND		0.50	0.080	ug/L			07/05/23 11:05	1
Bromodichloromethane	ND		0.50	0.080	ug/L			07/05/23 11:05	1
Bromoform	ND		1.0	0.30	ug/L			07/05/23 11:05	1
Bromomethane	ND		0.50	0.10	ug/L			07/05/23 11:05	1
Carbon disulfide	ND		1.0	0.10	ug/L			07/05/23 11:05	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			07/05/23 11:05	1
Chlorobenzene	ND		0.50	0.070	ug/L			07/05/23 11:05	1
Chloroethane	ND		0.50	0.10	ug/L			07/05/23 11:05	1
Chloroform	ND		0.50	0.090	ug/L			07/05/23 11:05	1
Chloromethane	ND		0.50	0.10	ug/L			07/05/23 11:05	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			07/05/23 11:05	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			07/05/23 11:05	1
Dibromochloromethane	ND		0.50	0.080	ug/L			07/05/23 11:05	1
Ethylbenzene	ND		0.50	0.080	ug/L			07/05/23 11:05	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			07/05/23 11:05	1
Methylene Chloride	ND		0.50	0.20	ug/L			07/05/23 11:05	1
Styrene	ND		0.50	0.070	ug/L			07/05/23 11:05	1
Tetrachloroethene	ND		0.50	0.20	ug/L			07/05/23 11:05	1
Toluene	ND		0.50	0.080	ug/L			07/05/23 11:05	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			07/05/23 11:05	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			07/05/23 11:05	1
Trichloroethene	ND		0.50	0.080	ug/L			07/05/23 11:05	1
Vinyl chloride	ND		0.50	0.10	ug/L			07/05/23 11:05	1
Xylenes, Total	ND		1.0	0.070	ug/L			07/05/23 11:05	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		07/05/23 11:05	1
4-Bromofluorobenzene (Surr)	94		80 - 120		07/05/23 11:05	1
Dibromofluoromethane (Surr)	102		80 - 120		07/05/23 11:05	1
Toluene-d8 (Surr)	99		80 - 120		07/05/23 11:05	1

QC Sample Results

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

Job ID: 410-131835-1

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

Lab Sample ID: LCS 410-393586/4

Matrix: Water

Analysis Batch: 393586

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	5.26		ug/L		105	71 - 134
1,1,1-Trichloroethane	5.00	4.97		ug/L		99	78 - 126
1,1,2,2-Tetrachloroethane	5.00	4.81		ug/L		96	75 - 123
1,1,2-Trichloroethane	5.00	4.98		ug/L		100	80 - 120
1,1-Dichloroethane	5.00	4.65		ug/L		93	74 - 120
1,1-Dichloroethene	5.00	4.82		ug/L		96	80 - 131
1,2-Dibromoethane (EDB)	5.00	5.22		ug/L		104	80 - 120
1,2-Dichloroethane	5.00	4.92		ug/L		98	69 - 122
1,2-Dichloropropane	5.00	4.70		ug/L		94	80 - 120
2-Butanone (MEK)	62.5	57.2		ug/L		92	59 - 141
2-Hexanone	62.5	52.9		ug/L		85	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	52.6		ug/L		84	55 - 140
Acetone	62.5	58.5		ug/L		94	60 - 146
Benzene	5.00	4.79		ug/L		96	80 - 120
Bromochloromethane	5.00	5.15		ug/L		103	80 - 120
Bromodichloromethane	5.00	4.80		ug/L		96	73 - 124
Bromoform	5.00	4.31		ug/L		86	49 - 144
Bromomethane	5.00	3.82		ug/L		76	60 - 136
Carbon disulfide	5.00	4.46		ug/L		89	67 - 130
Carbon tetrachloride	5.00	5.13		ug/L		103	64 - 141
Chlorobenzene	5.00	5.00		ug/L		100	80 - 120
Chloroethane	5.00	3.88		ug/L		78	63 - 120
Chloroform	5.00	4.81		ug/L		96	80 - 120
Chloromethane	5.00	3.48		ug/L		70	56 - 124
cis-1,2-Dichloroethene	5.00	4.83		ug/L		97	80 - 122
cis-1,3-Dichloropropene	5.00	4.43		ug/L		89	67 - 121
Dibromochloromethane	5.00	4.91		ug/L		98	64 - 138
Ethylbenzene	5.00	4.95		ug/L		99	80 - 120
Methyl tert-butyl ether	5.00	4.40		ug/L		88	69 - 120
Methylene Chloride	5.00	4.74		ug/L		95	80 - 120
Styrene	5.00	5.03		ug/L		101	80 - 120
Tetrachloroethene	5.00	5.20		ug/L		104	80 - 120
Toluene	5.00	4.95		ug/L		99	80 - 120
trans-1,2-Dichloroethene	5.00	4.60		ug/L		92	80 - 122
trans-1,3-Dichloropropene	5.00	4.57		ug/L		91	61 - 129
Trichloroethene	5.00	4.72		ug/L		94	80 - 120
Vinyl chloride	5.00	3.53		ug/L		71	60 - 125
Xylenes, Total	15.0	15.4		ug/L		103	80 - 120

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
Toluene-d8 (Surr)	99		80 - 120

QC Association Summary

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

Job ID: 410-131835-1

GC/MS VOA

Analysis Batch: 392483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-131835-2	HD-COD-SW-7-0/1-0	Total/NA	Water	8260D	
410-131835-3	HD-COD-SW-8-0/1-0	Total/NA	Water	8260D	
410-131835-4	HD-COD-SW-9-0/1-0	Total/NA	Water	8260D	
410-131835-5	HD-COD-SW-13-0/1-0	Total/NA	Water	8260D	
410-131835-6	HD-COD-SW-15-0/1-0	Total/NA	Water	8260D	
410-131835-7	HD-COD-SW-16-0/1-0	Total/NA	Water	8260D	
MB 410-392483/6	Method Blank	Total/NA	Water	8260D	
LCS 410-392483/4	Lab Control Sample	Total/NA	Water	8260D	
410-131835-6 MS	HD-COD-SW-15-0/1-0 MS	Total/NA	Water	8260D	
410-131835-6 MSD	HD-COD-SW-15-0/1-0 MSD	Total/NA	Water	8260D	

Analysis Batch: 393012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-131835-8	HD-COD-SW-17-0/1-0	Total/NA	Water	8260D	
410-131835-8 - DL	HD-COD-SW-17-0/1-0	Total/NA	Water	8260D	
410-131835-9	HD-COD-SW-26-0/1-0	Total/NA	Water	8260D	
410-131835-10	HD-COD-SW-27-0/1-0	Total/NA	Water	8260D	
410-131835-11	HD-COD-SW-28-0/1-0	Total/NA	Water	8260D	
410-131835-12	HD-COD-SW-29-0/1-0	Total/NA	Water	8260D	
410-131835-13	HD-QC1-0/1-1	Total/NA	Water	8260D	
410-131835-13 - DL	HD-QC1-0/1-1	Total/NA	Water	8260D	
410-131835-14	HD-QC1-0/1-2	Total/NA	Water	8260D	
MB 410-393012/7	Method Blank	Total/NA	Water	8260D	
LCS 410-393012/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-393012/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 393586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-131835-1	HD-COD-SW-6-0/1-0	Total/NA	Water	8260D	
MB 410-393586/6	Method Blank	Total/NA	Water	8260D	
LCS 410-393586/4	Lab Control Sample	Total/NA	Water	8260D	

Lab Chronicle

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

Job ID: 410-131835-1

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

Lab Sample ID: 410-131835-1

Date Collected: 06/21/23 10:27

Matrix: Water

Date Received: 06/22/23 17:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	393586	DVW2	ELLE	07/05/23 14:02

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

Lab Sample ID: 410-131835-2

Date Collected: 06/21/23 11:15

Matrix: Water

Date Received: 06/22/23 17:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	392483	JS6E	ELLE	06/30/23 06:22

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

Lab Sample ID: 410-131835-3

Date Collected: 06/21/23 09:05

Matrix: Water

Date Received: 06/22/23 17:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	392483	JS6E	ELLE	06/30/23 06:43

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

Lab Sample ID: 410-131835-4

Date Collected: 06/21/23 12:35

Matrix: Water

Date Received: 06/22/23 17:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	392483	JS6E	ELLE	06/30/23 07:04

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

Lab Sample ID: 410-131835-5

Date Collected: 06/21/23 09:38

Matrix: Water

Date Received: 06/22/23 17:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	392483	JS6E	ELLE	06/30/23 07:25

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

Lab Sample ID: 410-131835-6

Date Collected: 06/21/23 11:35

Matrix: Water

Date Received: 06/22/23 17:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	392483	JS6E	ELLE	06/30/23 01:06

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

Lab Sample ID: 410-131835-7

Date Collected: 06/21/23 09:55

Matrix: Water

Date Received: 06/22/23 17:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	392483	JS6E	ELLE	06/30/23 07:46

Lab Chronicle

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

Job ID: 410-131835-1

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

Lab Sample ID: 410-131835-8

Date Collected: 06/21/23 10:05

Matrix: Water

Date Received: 06/22/23 17:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	393012	DVW2	ELLE	07/02/23 15:14
Total/NA	Analysis	8260D	DL	10	393012	DVW2	ELLE	07/02/23 15:34

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

Lab Sample ID: 410-131835-9

Date Collected: 06/21/23 10:53

Matrix: Water

Date Received: 06/22/23 17:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	393012	DVW2	ELLE	07/02/23 15:55

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

Lab Sample ID: 410-131835-10

Date Collected: 06/21/23 11:26

Matrix: Water

Date Received: 06/22/23 17:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	393012	DVW2	ELLE	07/02/23 16:16

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

Lab Sample ID: 410-131835-11

Date Collected: 06/21/23 12:50

Matrix: Water

Date Received: 06/22/23 17:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	393012	DVW2	ELLE	07/02/23 16:37

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

Lab Sample ID: 410-131835-12

Date Collected: 06/21/23 08:50

Matrix: Water

Date Received: 06/22/23 17:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	393012	DVW2	ELLE	07/02/23 16:59

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

Lab Sample ID: 410-131835-13

Date Collected: 06/21/23 12:00

Matrix: Water

Date Received: 06/22/23 17:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	393012	DVW2	ELLE	07/02/23 17:20
Total/NA	Analysis	8260D	DL	10	393012	DVW2	ELLE	07/02/23 17:41

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

Lab Sample ID: 410-131835-14

Date Collected: 06/20/23 00:00

Matrix: Water

Date Received: 06/22/23 17:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	393012	DVW2	ELLE	07/02/23 18:02

Lab Chronicle

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

Job ID: 410-131835-1

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: 410-131835-1

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: 410-131835-1

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: 410-131835-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-131835-1	HD-COD-SW-6-0/1-0	Water	06/21/23 10:27	06/22/23 17:12
410-131835-2	HD-COD-SW-7-0/1-0	Water	06/21/23 11:15	06/22/23 17:12
410-131835-3	HD-COD-SW-8-0/1-0	Water	06/21/23 09:05	06/22/23 17:12
410-131835-4	HD-COD-SW-9-0/1-0	Water	06/21/23 12:35	06/22/23 17:12
410-131835-5	HD-COD-SW-13-0/1-0	Water	06/21/23 09:38	06/22/23 17:12
410-131835-6	HD-COD-SW-15-0/1-0	Water	06/21/23 11:35	06/22/23 17:12
410-131835-7	HD-COD-SW-16-0/1-0	Water	06/21/23 09:55	06/22/23 17:12
410-131835-8	HD-COD-SW-17-0/1-0	Water	06/21/23 10:05	06/22/23 17:12
410-131835-9	HD-COD-SW-26-0/1-0	Water	06/21/23 10:53	06/22/23 17:12
410-131835-10	HD-COD-SW-27-0/1-0	Water	06/21/23 11:26	06/22/23 17:12
410-131835-11	HD-COD-SW-28-0/1-0	Water	06/21/23 12:50	06/22/23 17:12
410-131835-12	HD-COD-SW-29-0/1-0	Water	06/21/23 08:50	06/22/23 17:12
410-131835-13	HD-QC1-0/1-1	Water	06/21/23 12:00	06/22/23 17:12
410-131835-14	HD-QC1-0/1-2	Water	06/20/23 00:00	06/22/23 17:12

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-131835-1

SDG No.: _____

Instrument ID: 16334 Analysis Batch Number: 385635

Lab Sample ID: IC 410-385635/4 Client Sample ID: _____

Date Analyzed: 06/12/23 21:23 Lab File ID: JU12X03.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.87	Incomplete Integration	DVW2	06/13/23 08:44
t-Butyl alcohol-d10 (IS)	4.13	Incomplete Integration	DVW2	06/13/23 08:44
Ethyl acetate	5.99	Poor chromatography	UKEK	06/14/23 14:29
cis-1,4-Dichloro-2-butene	11.98	Incomplete Integration	DVW2	06/13/23 08:44

Lab Sample ID: IC 410-385635/5 Client Sample ID: _____

Date Analyzed: 06/12/23 21:45 Lab File ID: JU12X04.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.85	Incomplete Integration	DVW2	06/13/23 12:14
t-Butyl alcohol-d10 (IS)	4.07	Incomplete Integration	DVW2	06/13/23 08:45
Ethyl acetate	5.99	Poor chromatography	UKEK	06/14/23 14:29

Lab Sample ID: IC 410-385635/6 Client Sample ID: _____

Date Analyzed: 06/12/23 22:08 Lab File ID: JU12X05.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.87	Incomplete Integration	DVW2	06/13/23 08:46
t-Butyl alcohol-d10 (IS)	4.10	Incomplete Integration	DVW2	06/14/23 07:53

Lab Sample ID: IC 410-385635/7 Client Sample ID: _____

Date Analyzed: 06/12/23 22:30 Lab File ID: JU12X06.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.84	Incomplete Integration	DVW2	06/13/23 08:46
t-Butyl alcohol-d10 (IS)	4.09	Incomplete Integration	DVW2	06/13/23 08:46

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-131835-1

SDG No.: _____

Instrument ID: 16334 Analysis Batch Number: 385635Lab Sample ID: IC 410-385635/8 Client Sample ID: _____Date Analyzed: 06/12/23 22:52 Lab File ID: JU12X07.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.86	Incomplete Integration	DVW2	06/13/23 08:47
t-Butyl alcohol-d10 (IS)	4.10	Incomplete Integration	DVW2	06/14/23 07:53

Lab Sample ID: IC 410-385635/9 Client Sample ID: _____Date Analyzed: 06/12/23 23:14 Lab File ID: JU12X08.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.84	Other	UKEK	06/14/23 15:22
t-Butyl alcohol-d10 (IS)	4.09	Incomplete Integration	DVW2	06/14/23 07:53

Lab Sample ID: IC 410-385635/13 Client Sample ID: _____Date Analyzed: 06/13/23 00:42 Lab File ID: JU12X12.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.20	Incomplete Integration	DVW2	06/13/23 11:32
Ethyl ether	3.12	Incomplete Integration	DVW2	06/13/23 11:32
Acetone	3.48	Incomplete Integration	DVW2	06/13/23 11:32
Methyl acetate	3.86	Incomplete Integration	DVW2	06/13/23 11:32
t-Butyl alcohol-d10 (IS)	4.05	Incomplete Integration	DVW2	06/14/23 07:54
t-Butyl alcohol	4.18	Incomplete Integration	DVW2	06/13/23 11:33
Ethyl t-butyl ether	5.71	Incomplete Integration	DVW2	06/13/23 11:33
Bromochloromethane	6.30	Incomplete Integration	DVW2	06/13/23 11:33
Isobutyl alcohol	7.06	Incomplete Integration	UKEK	06/14/23 15:13
Methyl methacrylate	8.46	Incomplete Integration	DVW2	06/13/23 11:33
1,4-Dioxane	8.48	Incomplete Integration	DVW2	06/13/23 11:34
tert-Butylbenzene	12.63	Incomplete Integration	DVW2	06/14/23 07:57

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-131835-1

SDG No.: _____

Instrument ID: 16334 Analysis Batch Number: 385635Lab Sample ID: IC 410-385635/14 Client Sample ID: _____Date Analyzed: 06/13/23 01:04 Lab File ID: JU12X13.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.19	Incomplete Integration	DVW2	06/13/23 11:34
Ethyl ether	3.12	Incomplete Integration	DVW2	06/13/23 11:35
Methyl acetate	3.85	Incomplete Integration	DVW2	06/13/23 11:35
t-Butyl alcohol-d10 (IS)	4.09	Incomplete Integration	DVW2	06/14/23 07:54
1,1,1-Trichloroethane	6.67	Incomplete Integration	DVW2	06/13/23 11:35
Isobutyl alcohol	7.06	Incomplete Integration	UKEK	06/14/23 15:14
1,4-Dioxane	8.46	Incomplete Integration	DVW2	06/13/23 11:36

Lab Sample ID: IC 410-385635/15 Client Sample ID: _____Date Analyzed: 06/13/23 01:26 Lab File ID: JU12X14.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.86	Incomplete Integration	DVW2	06/13/23 11:37
t-Butyl alcohol-d10 (IS)	4.06	Incomplete Integration	DVW2	06/14/23 07:54
t-Butyl alcohol	4.17	Incomplete Integration	DVW2	06/13/23 11:38
Isobutyl alcohol	7.06	Incomplete Integration	UKEK	06/14/23 15:16
1,2-Dichloroethane	7.21	Incomplete Integration	DVW2	06/14/23 08:07
1,4-Dioxane	8.46	Incomplete Integration	DVW2	06/13/23 11:39
tert-Butylbenzene	12.63	Incomplete Integration	DVW2	06/14/23 07:57

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-131835-1

SDG No.: _____

Instrument ID: 16334 Analysis Batch Number: 385635Lab Sample ID: IC 410-385635/16 Client Sample ID: _____Date Analyzed: 06/13/23 01:48 Lab File ID: JU12X15.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol-d10 (IS)	4.06	Incomplete Integration	DVW2	06/13/23 11:52
t-Butyl alcohol	4.16	Incomplete Integration	DVW2	06/13/23 11:53
Isobutyl alcohol	7.05	Incomplete Integration	UKEK	06/14/23 15:17
1,2-Dichloroethane	7.21	Incomplete Integration	DVW2	06/14/23 08:08
1,4-Dioxane	8.47	Incomplete Integration	DVW2	06/13/23 11:54

Lab Sample ID: IC 410-385635/17 Client Sample ID: _____Date Analyzed: 06/13/23 02:11 Lab File ID: JU12X16.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	2.08	Incomplete Integration	DVW2	06/13/23 11:55
Acetone	3.44	Incomplete Integration	DVW2	06/13/23 11:55
t-Butyl alcohol-d10 (IS)	4.09	Incomplete Integration	DVW2	06/13/23 11:55
t-Butyl alcohol	4.16	Incomplete Integration	DVW2	06/13/23 11:56
Isobutyl alcohol	7.05	Incomplete Integration	UKEK	06/14/23 15:18
1,2-Dichloroethane	7.20	Incomplete Integration	DVW2	06/14/23 08:08
1,4-Dioxane	8.47	Incomplete Integration	DVW2	06/13/23 11:56
tert-Butylbenzene	12.63	Incomplete Integration	DVW2	06/14/23 07:57

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-131835-1

SDG No.: _____

Instrument ID: 16334 Analysis Batch Number: 385635Lab Sample ID: ICIS 410-385635/18 Client Sample ID: _____Date Analyzed: 06/13/23 02:33 Lab File ID: JU12X17.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	DVW2	06/13/23 08:12
t-Butyl alcohol-d10 (IS)	4.08	Incomplete Integration	DVW2	06/13/23 08:13
Isobutyl alcohol	7.05	Incomplete Integration	UKEK	06/14/23 15:19
1,2-Dichloroethane	7.21	Split Peak	UKEK	06/14/23 14:38
1,4-Dioxane	8.46	Incomplete Integration	DVW2	06/13/23 08:13
tert-Butylbenzene	12.63	Incomplete Integration	DVW2	06/14/23 07:58

Lab Sample ID: IC 410-385635/19 Client Sample ID: _____Date Analyzed: 06/13/23 02:55 Lab File ID: JU12X18.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.21	Incomplete Integration	DVW2	06/14/23 08:02
Methyl acetate	3.84	Incomplete Integration	DVW2	06/13/23 11:58
t-Butyl alcohol-d10 (IS)	4.09	Incomplete Integration	DVW2	06/13/23 11:58
1,2-Dichloroethane	7.21	Incomplete Integration	DVW2	06/14/23 08:09
1,4-Dioxane	8.46	Incomplete Integration	DVW2	06/13/23 11:58

Lab Sample ID: ICV 410-385635/21 Client Sample ID: _____Date Analyzed: 06/13/23 03:39 Lab File ID: JU12X20.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.20	Incomplete Integration	DVW2	06/14/23 08:01
Methyl acetate	3.84	Incomplete Integration	DVW2	06/13/23 11:59
t-Butyl alcohol	4.18	Incomplete Integration	DVW2	06/13/23 08:10
1,2-Dichloroethane	7.21	Incomplete Integration	DVW2	06/14/23 08:09
1,4-Dioxane	8.46	Incomplete Integration	DVW2	06/13/23 08:09
tert-Butylbenzene	12.63	Incomplete Integration	DVW2	06/14/23 07:58

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-131835-1

SDG No.: _____

Instrument ID: 16334 Analysis Batch Number: 393586

Lab Sample ID: LCS 410-393586/4 Client Sample ID: _____

Date Analyzed: 07/05/23 10:21 Lab File ID: GL05X03.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.73	Incomplete Integration	DVW2	07/05/23 10:46

Lab Sample ID: MB 410-393586/6 Client Sample ID: _____

Date Analyzed: 07/05/23 11:05 Lab File ID: GL05X05.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide		Incomplete Integration	DVW2	07/05/23 11:35

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-131835-1

SDG No.: _____

Instrument ID: 19930 Analysis Batch Number: 388102Lab Sample ID: IC 410-388102/3 Client Sample ID: _____Date Analyzed: 06/19/23 14:49 Lab File ID: IU19X02.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methoxymethane	1.92	Incomplete Integration	DVW2	06/21/23 08:18
Acetonitrile	3.82	Incomplete Integration	DVW2	06/21/23 08:19
t-Butyl alcohol-d10 (IS)	3.94	Incomplete Integration	DVW2	06/21/23 08:19
Vinyl acetate	5.06	Incomplete Integration	DVW2	06/21/23 08:19
Ethyl acetate	5.95	Incomplete Integration	DVW2	06/21/23 08:20
cis-1,4-Dichloro-2-butene	11.91	Incomplete Integration	DVW2	06/21/23 08:32

Lab Sample ID: IC 410-388102/4 Client Sample ID: _____Date Analyzed: 06/19/23 15:10 Lab File ID: IU19X03.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.77	Incomplete Integration	DVW2	06/21/23 16:08
t-Butyl alcohol-d10 (IS)	3.96	Incomplete Integration	DVW2	06/21/23 16:08

Lab Sample ID: IC 410-388102/5 Client Sample ID: _____Date Analyzed: 06/19/23 15:31 Lab File ID: IU19X04.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.78	Incomplete Integration	DVW2	06/21/23 14:56
cis-1,4-Dichloro-2-butene	11.91	Incomplete Integration	DVW2	06/21/23 08:32

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-131835-1

SDG No.: _____

Instrument ID: 19930 Analysis Batch Number: 388102

Lab Sample ID: IC 410-388102/6 Client Sample ID: _____

Date Analyzed: 06/19/23 15:52 Lab File ID: IU19X05.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.83	Incomplete Integration	DVW2	06/21/23 14:55
Vinyl acetate	5.01	Incomplete Integration	DVW2	06/21/23 08:25
Ethyl acetate	5.90	Incomplete Integration	DVW2	06/21/23 08:25
cis-1,4-Dichloro-2-butene	11.91	Incomplete Integration	DVW2	06/21/23 08:32

Lab Sample ID: IC 410-388102/7 Client Sample ID: _____

Date Analyzed: 06/19/23 16:13 Lab File ID: IU19X06.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.81	Incomplete Integration	DVW2	06/21/23 14:55
t-Butyl alcohol-d10 (IS)	4.05	Incomplete Integration	DVW2	06/21/23 08:26

Lab Sample ID: IC 410-388102/8 Client Sample ID: _____

Date Analyzed: 06/19/23 16:34 Lab File ID: IU19X07.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.79	Incomplete Integration	DVW2	06/21/23 14:54
t-Butyl alcohol-d10 (IS)	4.03	Incomplete Integration	DVW2	06/21/23 08:14

Lab Sample ID: IC 410-388102/9 Client Sample ID: _____

Date Analyzed: 06/19/23 16:55 Lab File ID: IU19X08.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.75	Incomplete Integration	DVW2	06/21/23 14:54
t-Butyl alcohol-d10 (IS)	4.00	Incomplete Integration	DVW2	06/21/23 08:27
cis-1,4-Dichloro-2-butene	11.90	Incomplete Integration	DVW2	06/21/23 08:32

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-131835-1

SDG No.: _____

Instrument ID: 19930 Analysis Batch Number: 388102Lab Sample ID: IC 410-388102/13 Client Sample ID: _____Date Analyzed: 06/19/23 18:19 Lab File ID: IU19X12.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.85	Incomplete Integration	DVW2	06/21/23 07:45
1,3-Butadiene	2.14	Incomplete Integration	DVW2	06/21/23 07:45
Dichlorofluoromethane	2.75	Incomplete Integration	DVW2	06/21/23 07:46
Acetone	3.38	Incomplete Integration	DVW2	06/21/23 07:47
Methyl acetate	3.77	Incomplete Integration	DVW2	06/21/23 07:47
Allyl chloride	3.78	Incomplete Integration	DVW2	06/21/23 07:48
t-Butyl alcohol-d10 (IS)	3.96	Incomplete Integration	DVW2	06/21/23 07:48
t-Butyl alcohol	4.08	Incomplete Integration	DVW2	06/21/23 07:48
n-Butanol	8.01	Incomplete Integration	DVW2	06/21/23 07:48
2-Nitropropane	8.89	Incomplete Integration	DVW2	06/21/23 07:49
1,4-Dioxane		Invalid Compound ID	DVW2	06/21/23 07:49
1-Chlorohexane	11.01	Peak assignment corrected	DVW2	06/22/23 07:47
Ethylbenzene	11.10	Incomplete Integration	DVW2	06/21/23 15:33
N-Propylbenzene	12.19	Incomplete Integration	DVW2	06/21/23 07:50
2-Chlorotoluene	12.27	Incomplete Integration	DVW2	06/21/23 15:33

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-131835-1

SDG No.: _____

Instrument ID: 19930 Analysis Batch Number: 388102Lab Sample ID: IC 410-388102/14 Client Sample ID: _____Date Analyzed: 06/19/23 18:40 Lab File ID: IU19X13.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.86	Incomplete Integration	DVW2	06/21/23 07:51
1,3-Butadiene	2.15	Incomplete Integration	DVW2	06/21/23 07:52
Dichlorofluoromethane	2.76	Incomplete Integration	DVW2	06/21/23 07:52
Acetone	3.37	Incomplete Integration	DVW2	06/21/23 07:52
Methyl acetate	3.77	Incomplete Integration	DVW2	06/21/23 07:52
t-Butyl alcohol-d10 (IS)	3.98	Incomplete Integration	DVW2	06/21/23 07:53
Isobutyl alcohol	6.95	Incomplete Integration	DVW2	06/21/23 07:53
1-Chlorohexane	11.01	Peak assignment corrected	DVW2	06/22/23 07:47
Ethylbenzene	11.10	Incomplete Integration	DVW2	06/21/23 15:33
2-Chlorotoluene	12.26	Incomplete Integration	DVW2	06/21/23 15:34

Lab Sample ID: IC 410-388102/15 Client Sample ID: _____Date Analyzed: 06/19/23 19:01 Lab File ID: IU19X14.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.85	Incomplete Integration	DVW2	06/21/23 07:54
1,3-Butadiene	2.15	Incomplete Integration	DVW2	06/21/23 07:54
Acetone	3.37	Incomplete Integration	DVW2	06/21/23 07:55
Methyl acetate	3.77	Incomplete Integration	DVW2	06/21/23 07:55
t-Butyl alcohol-d10 (IS)	3.98	Incomplete Integration	DVW2	06/21/23 07:55
1-Chlorohexane	11.00	Peak assignment corrected	DVW2	06/22/23 07:47
Ethylbenzene	11.10	Incomplete Integration	DVW2	06/21/23 15:34
2-Chlorotoluene	12.26	Incomplete Integration	DVW2	06/21/23 15:34

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-131835-1

SDG No.: _____

Instrument ID: 19930 Analysis Batch Number: 388102Lab Sample ID: IC 410-388102/16 Client Sample ID: _____Date Analyzed: 06/19/23 19:22 Lab File ID: IU19X15.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.76	Incomplete Integration	DVW2	06/21/23 08:04
t-Butyl alcohol-d10 (IS)	3.97	Incomplete Integration	DVW2	06/21/23 08:04
1,4-Dioxane	8.37	Incomplete Integration	DVW2	06/21/23 08:04
1-Chlorohexane	11.00	Peak assignment corrected	DVW2	06/22/23 07:47
Ethylbenzene	11.10	Incomplete Integration	DVW2	06/21/23 15:35
2-Chlorotoluene	12.26	Incomplete Integration	DVW2	06/21/23 15:35

Lab Sample ID: IC 410-388102/17 Client Sample ID: _____Date Analyzed: 06/19/23 19:42 Lab File ID: IU19X16.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.76	Incomplete Integration	DVW2	06/21/23 08:06
t-Butyl alcohol-d10 (IS)	3.98	Incomplete Integration	DVW2	06/21/23 08:06
1,4-Dioxane	8.36	Incomplete Integration	DVW2	06/21/23 08:06
1-Chlorohexane	11.00	Peak assignment corrected	DVW2	06/22/23 07:48
Ethylbenzene	11.10	Incomplete Integration	DVW2	06/21/23 15:38
2-Chlorotoluene	12.26	Incomplete Integration	DVW2	06/21/23 15:38

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-131835-1

SDG No.: _____

Instrument ID: 19930 Analysis Batch Number: 388102Lab Sample ID: ICIS 410-388102/18 Client Sample ID: _____Date Analyzed: 06/19/23 20:03 Lab File ID: IU19X17.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	2.05	Incomplete Integration	DVW2	06/21/23 07:36
1,3-Butadiene	2.16	Incomplete Integration	DVW2	06/21/23 08:07
1,1-Dichloroethene	3.34	Incomplete Integration	DVW2	06/21/23 07:36
Acetone	3.36	Incomplete Integration	DVW2	06/21/23 07:36
Freon 113	3.39	Incomplete Integration	DVW2	06/21/23 07:36
Methyl iodide	3.53	Incomplete Integration	DVW2	06/21/23 07:37
Carbon disulfide	3.63	Incomplete Integration	DVW2	06/21/23 07:37
Methyl acetate	3.76	Incomplete Integration	DVW2	06/21/23 07:37
Allyl chloride	3.78	Incomplete Integration	DVW2	06/21/23 07:37
Methylene Chloride	3.96	Incomplete Integration	DVW2	06/21/23 07:37
t-Butyl alcohol-d10 (IS)	3.98	Incomplete Integration	DVW2	06/21/23 07:35
t-Butyl alcohol	4.09	Incomplete Integration	DVW2	06/21/23 07:37
Acrylonitrile	4.28	Incomplete Integration	DVW2	06/21/23 07:37
Methyl tert-butyl ether	4.34	Incomplete Integration	DVW2	06/21/23 07:38
trans-1,2-Dichloroethene	4.36	Incomplete Integration	DVW2	06/21/23 07:38
n-Hexane	4.78	Incomplete Integration	DVW2	06/21/23 07:38
1,1-Dichloroethane	5.01	Incomplete Integration	DVW2	06/21/23 07:38
di-Isopropyl ether	5.07	Incomplete Integration	DVW2	06/21/23 07:38
2-Chloro-1,3-butadiene	5.12	Incomplete Integration	DVW2	06/21/23 07:38
Ethyl t-butyl ether	5.62	Incomplete Integration	DVW2	06/21/23 07:38
2-Butanone (MEK)	5.81	Incomplete Integration	DVW2	06/21/23 07:38
cis-1,2-Dichloroethene	5.85	Incomplete Integration	DVW2	06/21/23 07:38
2,2-Dichloropropane	5.87	Incomplete Integration	DVW2	06/21/23 07:38
Propionitrile	5.89	Incomplete Integration	DVW2	06/21/23 07:38
Methacrylonitrile	6.11	Incomplete Integration	DVW2	06/21/23 07:38
Bromochloromethane	6.19	Incomplete Integration	DVW2	06/21/23 07:38
Tetrahydrofuran	6.20	Incomplete Integration	DVW2	06/21/23 07:38
Chloroform	6.34	Incomplete Integration	DVW2	06/21/23 07:38
Dibromofluoromethane (Surr)	6.56	Peak assignment corrected	DVW2	06/21/23 07:35
1,1,1-Trichloroethane	6.57	Incomplete Integration	DVW2	06/21/23 07:38

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-131835-1

SDG No.: _____

Instrument ID: 19930 Analysis Batch Number: 388102Lab Sample ID: ICIS 410-388102/18 Client Sample ID: _____Date Analyzed: 06/19/23 20:03 Lab File ID: IU19X17.D GC Column: R-624SilMS 30m ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	6.67	Incomplete Integration	DVW2	06/21/23 07:38
1,1-Dichloropropene	6.78	Incomplete Integration	DVW2	06/21/23 07:39
Carbon tetrachloride	6.78	Incomplete Integration	DVW2	06/21/23 07:39
Isobutyl alcohol	6.94	Incomplete Integration	DVW2	06/21/23 07:39
1,2-Dichloroethane-d4 (Surr)	7.01	Peak assignment corrected	DVW2	06/21/23 07:35
Benzene	7.04	Incomplete Integration	DVW2	06/21/23 07:39
1,2-Dichloroethane	7.12	Incomplete Integration	DVW2	06/21/23 07:39
t-Amyl methyl ether	7.24	Incomplete Integration	DVW2	06/21/23 07:39
Fluorobenzene (IS)	7.45	Peak assignment corrected	DVW2	06/21/23 07:35
n-Heptane	7.47	Incomplete Integration	DVW2	06/21/23 07:39
n-Butanol	7.84	Incomplete Integration	DVW2	06/21/23 07:39
Trichloroethene	7.93	Incomplete Integration	DVW2	06/21/23 07:39
Methylcyclohexane	8.24	Incomplete Integration	DVW2	06/21/23 07:39
1,2-Dichloropropane	8.27	Incomplete Integration	DVW2	06/21/23 07:39
Methyl methacrylate	8.35	Incomplete Integration	DVW2	06/21/23 07:39
1,4-Dioxane	8.37	Incomplete Integration	DVW2	06/21/23 07:40
Dibromomethane	8.38	Incomplete Integration	DVW2	06/21/23 07:40
Bromodichloromethane	8.62	Incomplete Integration	DVW2	06/21/23 07:40
Toluene-d8 (Surr)	9.50	Incomplete Integration	DVW2	06/21/23 07:35
1-Chlorohexane	11.00	Peak assignment corrected	DVW2	06/22/23 07:48
Ethylbenzene	11.10	Incomplete Integration	DVW2	06/21/23 15:39
4-Bromofluorobenzene (Surr)	12.00	Incomplete Integration	DVW2	06/21/23 07:35
2-Chlorotoluene	12.26	Incomplete Integration	DVW2	06/21/23 15:39
4-Chlorotoluene	12.35	Incomplete Integration	DVW2	06/21/23 07:40
1,2,4-Trimethylbenzene	12.61	Incomplete Integration	DVW2	06/21/23 07:41
Benzyl chloride	12.98	Incomplete Integration	DVW2	06/21/23 07:41
Naphthalene	14.43	Incomplete Integration	DVW2	06/21/23 07:41

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-131835-1

SDG No.: _____

Instrument ID: 19930 Analysis Batch Number: 388102Lab Sample ID: IC 410-388102/19 Client Sample ID: _____Date Analyzed: 06/19/23 20:25 Lab File ID: IU19X18.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.15	Incomplete Integration	DVW2	06/21/23 08:08
Methyl acetate	3.75	Incomplete Integration	DVW2	06/21/23 08:09
t-Butyl alcohol-d10 (IS)	3.98	Incomplete Integration	DVW2	06/21/23 08:09
1,4-Dioxane	8.37	Incomplete Integration	DVW2	06/21/23 08:09
1-Chlorohexane	11.00	Peak assignment corrected	DVW2	06/22/23 07:48
Ethylbenzene	11.10	Incomplete Integration	DVW2	06/21/23 15:39
2-Chlorotoluene	12.26	Incomplete Integration	DVW2	06/21/23 15:39
4-Chlorotoluene	12.35	Incomplete Integration	DVW2	06/21/23 08:09

Lab Sample ID: ICV 410-388102/21 Client Sample ID: _____Date Analyzed: 06/19/23 21:07 Lab File ID: IU19X20.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.15	Incomplete Integration	DVW2	06/21/23 08:10
Methyl acetate	3.76	Incomplete Integration	DVW2	06/21/23 08:11
1,4-Dioxane	8.37	Incomplete Integration	DVW2	06/21/23 08:11
1-Chlorohexane	11.00	Peak assignment corrected	DVW2	06/22/23 07:49
Ethylbenzene	11.10	Incomplete Integration	DVW2	06/21/23 15:40
2-Chlorotoluene	12.26	Incomplete Integration	DVW2	06/21/23 15:40

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-131835-1

SDG No.: _____

Instrument ID: 19930 Analysis Batch Number: 392483Lab Sample ID: CCVIS 410-392483/3 Client Sample ID: _____Date Analyzed: 06/29/23 22:18 Lab File ID: IU29X32.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.75	Incomplete Integration	JS6E	06/29/23 22:42

Lab Sample ID: 410-131835-6 Client Sample ID: HD-COD-SW-15-0/1-0Date Analyzed: 06/30/23 01:06 Lab File ID: IU29X40.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone		Invalid Compound ID	innoonk	06/30/23 14:35

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-131835-1

SDG No.: _____

Instrument ID: 19930 Analysis Batch Number: 393012Lab Sample ID: CCVIS 410-393012/3 Client Sample ID: _____Date Analyzed: 07/02/23 12:04 Lab File ID: IL02X02.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.78	Incomplete Integration	DVW2	07/02/23 12:31
1,4-Dioxane	8.37	Incomplete Integration	DVW2	07/02/23 12:31

Lab Sample ID: 410-131835-8 Client Sample ID: HD-COD-SW-17-0/1-0Date Analyzed: 07/02/23 15:14 Lab File ID: IL02X11.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	2.04	Incomplete Integration	DVW2	07/03/23 10:47
1,1,2-Trichloroethane		Invalid Compound ID	DVW2	07/03/23 10:47

Lab Sample ID: 410-131835-11 Client Sample ID: HD-COD-SW-28-0/1-0Date Analyzed: 07/02/23 16:37 Lab File ID: IL02X15.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	5.87	Incomplete Integration	DVW2	07/03/23 10:49

Lab Sample ID: 410-131835-13 Client Sample ID: HD-QC1-0/1-1Date Analyzed: 07/02/23 17:20 Lab File ID: IL02X17.D GC Column: R-624SilMS 30m ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2-Trichloroethane		Invalid Compound ID	DVW2	07/03/23 10:50

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-131835-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration					
					Reagent ID	Volume Added							
MSV_29_826ISS_00046	12/12/23	06/12/23	Methanol, Lot EG095	10 mL	MSV_8260_SS_00934	1 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL					
							4-Bromofluorobenzene (Surr)	250 ug/mL					
							Dibromofluoromethane (Surr)	250 ug/mL					
											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_00934	02/29/28		Restek, Lot A0195060		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL					
							4-Bromofluorobenzene (Surr)	2500 ug/mL					
							Dibromofluoromethane (Surr)	2500 ug/mL					
							Toluene-d8 (Surr)	2500 ug/mL					
.MSV_Cus826_IS_00580	04/30/26		Restek, Lot A0197488		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL					
							Chlorobenzene-d5 (IS)	2500 ug/mL					
							Fluorobenzene (IS)	2500 ug/mL					
							t-Butyl alcohol-d10 (IS)	12500 ug/mL					
MSV_29_826ISS_00048	12/23/23	06/23/23	Methanol, Lot EG095	10 mL	MSV_Cus826_IS_00591	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_00591	04/30/26		Restek, Lot A0197488		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL					
							Chlorobenzene-d5 (IS)	2500 ug/mL					
							Fluorobenzene (IS)	2500 ug/mL					
							t-Butyl alcohol-d10 (IS)	12500 ug/mL					
MSV_29_826ISS_00048	12/23/23	06/23/23	Methanol, Lot EG095	10 mL	MSV_8260_SS_00952	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_00952	02/29/28		Restek, Lot A0195060		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL					
							4-Bromofluorobenzene (Surr)	2500 ug/mL					
							Dibromofluoromethane (Surr)	2500 ug/mL					
							Toluene-d8 (Surr)	2500 ug/mL					
MSV_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	07/23/23	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_00025	07/07/23	06/08/23	Methanol, Lot EG095	10 mL	MSV_AcetatesV_00029	1 mL	Acetonitrile	5000 ug/mL					
							Ethyl acetate	1000 ug/mL					
							Vinyl acetate	1000 ug/mL					
.MSV_AcetatesV_00029	10/31/23		Restek, Lot A0184542		(Purchased Reagent)		Acetonitrile	50000 ug/mL					
							Ethyl acetate	10000 ug/mL					
							Vinyl acetate	10000 ug/mL					
MSV_DME_00046	06/24/23		Restek, Lot A0190883		(Purchased Reagent)		Dimethyl ether	1000 ug/mL					
MSV_HP29_ISO_00002	12/12/23	06/12/23	Methanol, Lot EG095	10 mL	MSV_Cus826_IS_00580	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL					
							Chlorobenzene-d5 (IS)	250 ug/mL					

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-131835-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration							
					Reagent ID	Volume Added									
.MSV_Cus826_IS_00580	04/30/26		Restek, Lot A0197488			(Purchased Reagent)	Fluorobenzene (IS)	250 ug/mL							
							t-Butyl alcohol-d10 (IS)	1250 ug/mL							
							1,4-Dichlorobenzene-d4	2500 ug/mL							
							Chlorobenzene-d5 (IS)	2500 ug/mL							
							t-Butyl alcohol-d10 (IS)	12500 ug/mL							
MSV_LCS_VOC#1_00113	07/11/23	06/11/23	Methanol, Lot EG095	25 mL	MSV_M_MIX1SEC_00129	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_MIX1SEC_00129	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														
MSV_M_MIX2SEC_00135							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							
							MSV_Q_Ketones_00135							Carbon disulfide	40 ug/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														
1,2-Dichloroethane	1000 ug/mL														

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-131835-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00135	04/30/25		Restek, Lot A0184412		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00135	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_00115	07/18/23	06/18/23	Methanol, Lot EG095	25 mL	MSV_M_MIX1SEC_00130	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-131835-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00134	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00136	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_00130	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_00134	04/30/25		Restek, Lot A0184412		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00136	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_00116	07/25/23	06/25/23	Methanol, Lot EG095	25 mL	MSV_M_MIX1SEC_00131	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-131835-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-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_00136	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00137	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_00131	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-131835-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration				
					Reagent ID	Volume Added						
							Dibromochloromethane	1000 ug/mL				
							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_00136	04/30/25		Restek, Lot A0184412		(Purchased Reagent)		Carbon disulfide	1000 ug/mL				
							Methyl tert-butyl ether	1000 ug/mL				
.MSV_Q_Ketones_00137	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_00117	08/01/23	07/02/23	Methanol, Lot EG095	25 mL	MSV_M_MIX1SEC_00132	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_00137					1 mL	Carbon disulfide	40 ug/mL
											Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00138					1 mL	2-Butanone (MEK)	500 ug/mL
											2-Hexanone	500 ug/mL
											4-Methyl-2-pentanone (MIBK)	500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-131835-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSV_M_MIX1SEC_00132	04/30/25		Restek, Lot A0184354			(Purchased Reagent)	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
							.MSV_M_MIX2SEC_00137	04/30/25
Methyl tert-butyl ether	1000 ug/mL							
.MSV_Q_Ketones_00138	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_00080	07/11/23	06/11/23	Methanol, Lot EG095	1 mL	MSV_CCV_VOC#1_00129	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-131835-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-131835-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration					
					Reagent ID	Volume Added							
							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_00129				200 uL	Acrolein	2500.08 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							
				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_00129	07/11/23	06/11/23	Methanol, Lot EG095	5 mL	MSV_MegaMIX#1_00128	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					

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-131835-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00126	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-131835-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00128	07/11/23		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
							1,1-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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-131835-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromobenzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m-Xylene & p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
..MSV_MegaMix#2_00126	07/11/23		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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-131835-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00129	07/11/23	06/11/23	Methanol, Lot EG095	5 mL	MSV_CCV_ACR_00011	0.5 mL	Acrolein	12500.4 ug/mL
					MSV_V_Ketones_00124	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_00011	07/30/23	05/31/23	Methanol, Lot EG095	10 mL	MSV_VACR_STK_00033	9.259 mL	Acrolein	125004 ug/mL
...MSV_VACR_STK_00033	07/30/23	05/31/23	Methanol, Lot EG095	10 mL	MSV_ACROLEIN_00026	1.4564 g	Acrolein	135008 ug/mL
...MSV_ACROLEIN_00026	11/30/23		Chem Service, Lot 13910600				Acrolein	0.927 g/g
..MSV_V_Ketones_00124	01/31/25		Restek, Lot A0186508				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_00194	07/11/23	06/11/23	Methanol, Lot EG095	5 mL	MSV_V#2B_00323	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_00323	05/31/25		Restek, Lot A0197599				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_00081	07/11/23	06/18/23	Methanol, Lot EG095	1 mL	MSV_CCV_VOC#1_00130	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-131835-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-131835-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration						
					Reagent ID	Volume Added								
							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_00130					200 uL	Acrolein	2500.08 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_00194	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_00130	07/18/23	06/18/23	Methanol, Lot EG095	5 mL	MSV_MegaMIX#1_00130	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						

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-131835-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							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_00125	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-131835-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00130	07/18/23		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
							1,1-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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-131835-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m-Xylene & p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
..MSV_MegaMix#2_00125	07/18/23		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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-131835-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00130	07/18/23	06/18/23	Methanol, Lot EG095	5 mL	MSV_CCV_ACR_00011	0.5 mL	Acrolein	12500.4 ug/mL
					MSV_V_Ketones_00125	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_00011	07/30/23	05/31/23	Methanol, Lot EG095	10 mL	MSV_VACR_STK_00033	9.259 mL	Acrolein	125004 ug/mL
...MSV_VACR_STK_00033	07/30/23	05/31/23	Methanol, Lot EG095	10 mL	MSV_ACROLEIN_00026	1.4564 g	Acrolein	135008 ug/mL
...MSV_ACROLEIN_00026	11/30/23		Chem Service, Lot 13910600				Acrolein	0.927 g/g
..MSV_V_Ketones_00125	01/31/25		Restek, Lot A0186508				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_00194	07/11/23	06/11/23	Methanol, Lot EG095	5 mL	MSV_V#2B_00323	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_00323	05/31/25		Restek, Lot A0197599				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_00082	07/25/23	06/25/23	Methanol, Lot EG095	1 mL	MSV_CCV_VOC#1_00132	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-131835-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00131	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_00132	07/25/23	06/25/23	Methanol, Lot EG095	5 mL	MSV_MegaMIX#1_00131	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-131835-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00127	1 mL	Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
..MSV_MegaMIX#1_00131	07/25/23		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
							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_00127	07/25/23		Restek, Lot A0186885		(Purchased Reagent)		Carbon disulfide	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
.MSV_CCV_VOC#3_00131	07/25/23	06/25/23	Methanol, Lot EG095	5 mL	MSV_V_Ketones_00126	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_00126	06/30/25		Restek, Lot A0186508		(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_00091	06/23/23	06/11/23	Methanol, Lot EG095	1 mL	MSV_CCV_EE_00005	50 uL	Ethyl ether	50.0068 ug/mL
					MSV_V_PentaCL_00033	10 uL	Pentachloroethane	50 ug/mL
.MSV_CCV_EE_00005	11/10/23	05/10/23	Methanol, Lot EG095	50 mL	MSV_EE_MISCSK_00012	1.686 mL	Ethyl ether	1000.14 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-131835-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MSV_EE_MISCSK_00012	11/10/23	05/10/23	Methanol, Lot EG095	10 mL	MSV_EE_Neat_00009	0.2966 g	Ethyl ether	29660 ug/mL
...MSV_EE_Neat_00009	05/30/27		Chem Service, Lot 14084700		(Purchased Reagent)		Ethyl ether	1 g/g
.MSV_V_PentaCL_00033	06/23/23		Restek, Lot A0184174		(Purchased Reagent)		Pentachloroethane	5000 ug/mL
MSV_LL_#2_826_00093	07/18/23	06/18/23	Methanol, Lot EG095	1 mL	MSV_CCV_EE_00005	50 uL	Ethyl ether	50.0068 ug/mL
					MSV_V_PentaCL_00034	10 uL	Pentachloroethane	50 ug/mL
.MSV_CCV_EE_00005	11/10/23	05/10/23	Methanol, Lot EG095	50 mL	MSV_EE_MISCSK_00012	1.686 mL	Ethyl ether	1000.14 ug/mL
..MSV_EE_MISCSK_00012	11/10/23	05/10/23	Methanol, Lot EG095	10 mL	MSV_EE_Neat_00009	0.2966 g	Ethyl ether	29660 ug/mL
...MSV_EE_Neat_00009	05/30/27		Chem Service, Lot 14084700		(Purchased Reagent)		Ethyl ether	1 g/g
.MSV_V_PentaCL_00034	07/18/23		Restek, Lot A0184174		(Purchased Reagent)		Pentachloroethane	5000 ug/mL
MSV_LL_GAS826_00155	06/17/23	06/11/23	Methanol, Lot EG095	1 mL	MSV_CCV_GASES_00489	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_00489	06/17/23		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_00156	06/25/23	06/18/23	Methanol, Lot EG095	1 mL	MSV_CCV_GASES_00496	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_00496	06/25/23		Restek, Lot A0197586		(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-131835-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LL_GAS826_00157	07/02/23	06/25/23	Methanol, Lot EG095	1 mL	MSV_CCV_GASES_00503	25 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.MSV_CCV_GASES_00503	07/02/23		Restek, Lot A0197586			(Purchased Reagent)	Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LL_GAS826_00158	07/10/23	07/03/23	Methanol, Lot EG095	1 mL	MSV_CCV_GASES_00505	25 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.MSV_CCV_GASES_00505	07/10/23		Restek, Lot A0197586			(Purchased Reagent)	Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LLcentISO_00006	10/05/23	04/05/23	Methanol, Lot EB679	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_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
							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_QC_Gas826_00144	06/18/23	06/11/23	Methanol, Lot EG095	1 mL	MSV_QC_2K_GAS_00165	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-131835-1

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_00165	06/18/23		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_00145	06/25/23	06/18/23	Methanol, Lot EG095	1 mL	MSV_QC_2K_GAS_00148	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00148	06/25/23		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_00146	07/02/23	06/25/23	Methanol, Lot EG095	1 mL	MSV_QC_2K_GAS_00162	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00162	07/02/23		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_00147	07/09/23	07/03/23	Methanol, Lot EG095	1 mL	MSV_QC_2K_GAS_00163	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00163	07/09/23		Restek, Lot A0184924		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	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
MSV_V_BFB_00012							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Xylenes, Total	
.MSV_VBFB_STK_00010	12/13/23	06/13/23	Methanol, Lot EG095	10 mL	MSV_VBFB_STK_00010	0.096 mL	BFB	49.7971 ug/mL
..MSV_4BFB_NEAT_00010	05/31/25		Chem Service, Lot 13775500		MSV_4BFB_NEAT_00010	1.2968 g	BFB	129680 ug/mL
MSV_V_SMRV4_00059	06/19/23	06/12/23	Methanol, Lot EG095	1 mL	MSV_CCV_2CEVE_00124	200 uL	2-Chloroethyl vinyl ether	200 ug/mL
					MSV_CCV_LKB_00005	400 uL	cis-1,4-Dichloro-2-butene	400.029 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envir Job No.: 410-131835-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSV_CCV_2CEVE_00124	07/11/23	06/11/23	Methanol, Lot EG095	5 mL	MSV_V_SMFreeon_00047	100 uL	Chlorodifluoromethane	200 ug/mL
..MSV_V_2CLEVE_00130	04/30/25		Restek, Lot A0184487		MSV_V_2CLEVE_00130	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
					(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_LKB_00005	06/19/23	02/08/23	Methanol, Lot EB679	50 mL	MSV_Vc14d_STK_00008	0.946 mL	cis-1,4-Dichloro-2-butene	1000.07 ug/mL
..MSV_Vc14d_STK_00008	06/19/23	02/08/23	Methanol, Lot EB679	10 mL	MSV_c14dcb_Nt_00004	0.5564 g	cis-1,4-Dichloro-2-butene	52858 ug/mL
...MSV_c14dcb_Nt_00004	08/16/27		Aldrich, Lot SHBH4584V		(Purchased Reagent)		cis-1,4-Dichloro-2-butene	0.95 g/g
.MSV_V_SMFreeon_00047	06/29/23		Restek, Lot A0184508		(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.



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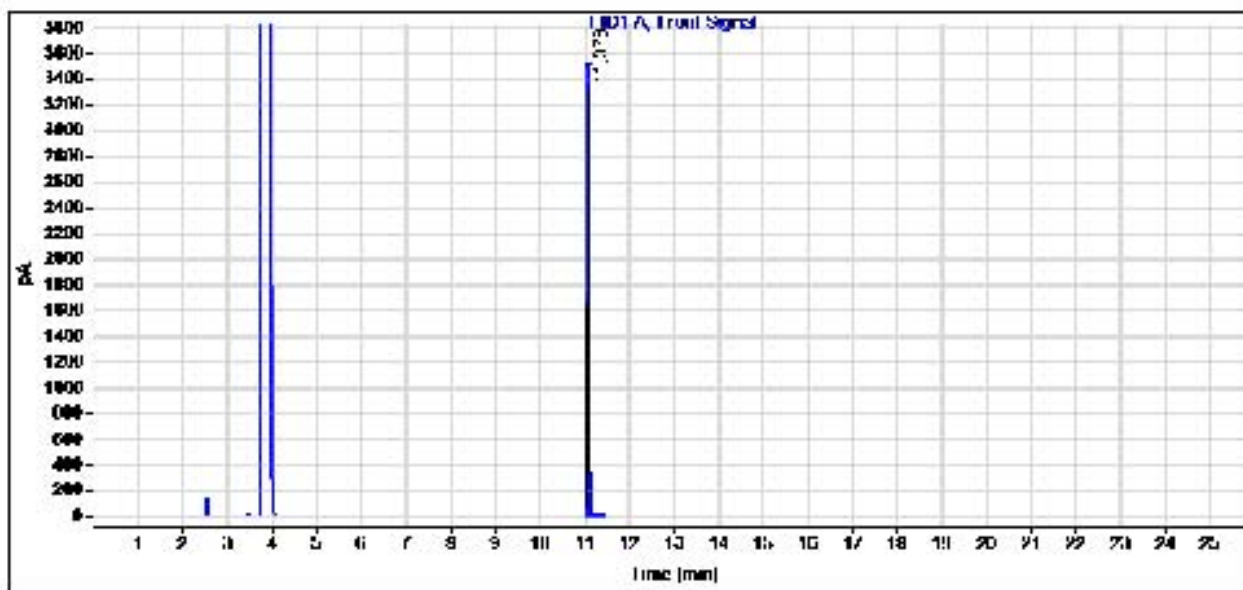
07/06/2023

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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_AcetatesV_00029



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	+/- 293.6393 µg/mL Gravimetric	
	CAS # 75-05-8 (Lot SHBH6233)			+/- 2,481.0559 µg/mL Unstressed
	Purity 99%			+/- 2,542.7375 µg/mL Stressed
2	Vinyl acetate	10,064.0 µg/mL	+/- 59.0612 µg/mL Gravimetric	
	CAS # 108-05-4 (Lot RD210830)			+/- 497.9092 µg/mL Unstressed
	Purity 99%			+/- 510.2869 µg/mL Stressed
3	Ethyl acetate	10,082.2 µg/mL	+/- 59.1682 µg/mL Gravimetric	
	CAS # 141-78-6 (Lot SHBN3179)			+/- 498.8116 µg/mL Unstressed
	Purity 98%			+/- 511.2118 µg/mL Stressed
4	Isopropyl acetate	10,082.0 µg/mL	+/- 59.1668 µg/mL Gravimetric	
	CAS # 108-21-4 (Lot BCBZ4645)			+/- 498.7997 µg/mL Unstressed
	Purity 99%			+/- 511.1996 µg/mL Stressed
5	Propyl acetate	10,062.0 µg/mL	+/- 59.0495 µg/mL Gravimetric	
	CAS # 109-60-4 (Lot TFFKL)			+/- 497.8102 µg/mL Unstressed
	Purity 99%			+/- 510.1855 µg/mL Stressed
6	Butyl acetate	10,070.0 µg/mL	+/- 59.0964 µg/mL Gravimetric	
	CAS # 123-86-4 (Lot SHBN3806)			+/- 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)

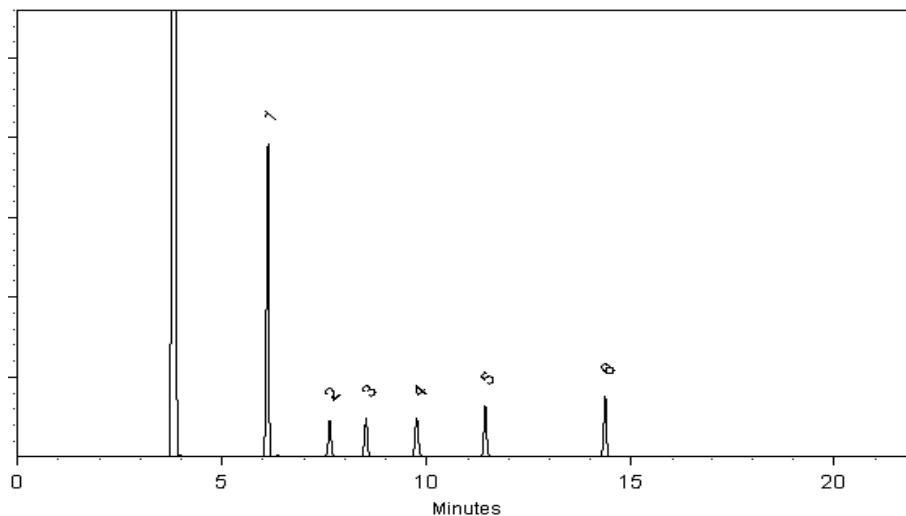
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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:

- 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_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

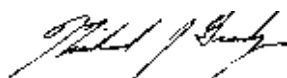
Product Name:

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.



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

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

Certified By:



Kristin R Jones

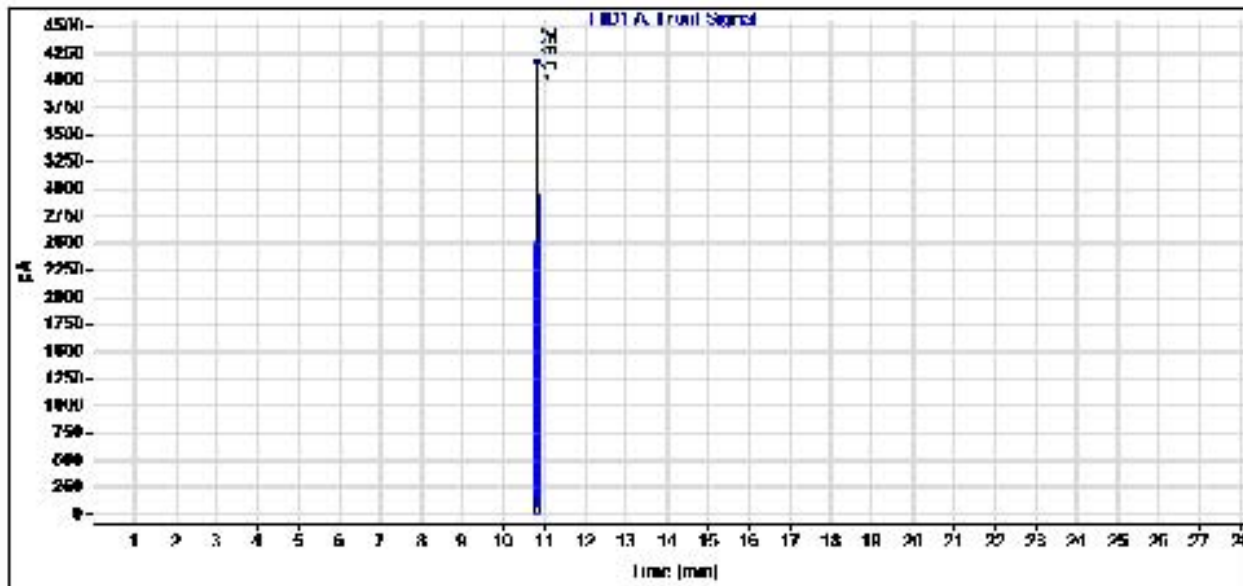
Chem Service, Inc. is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.



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		

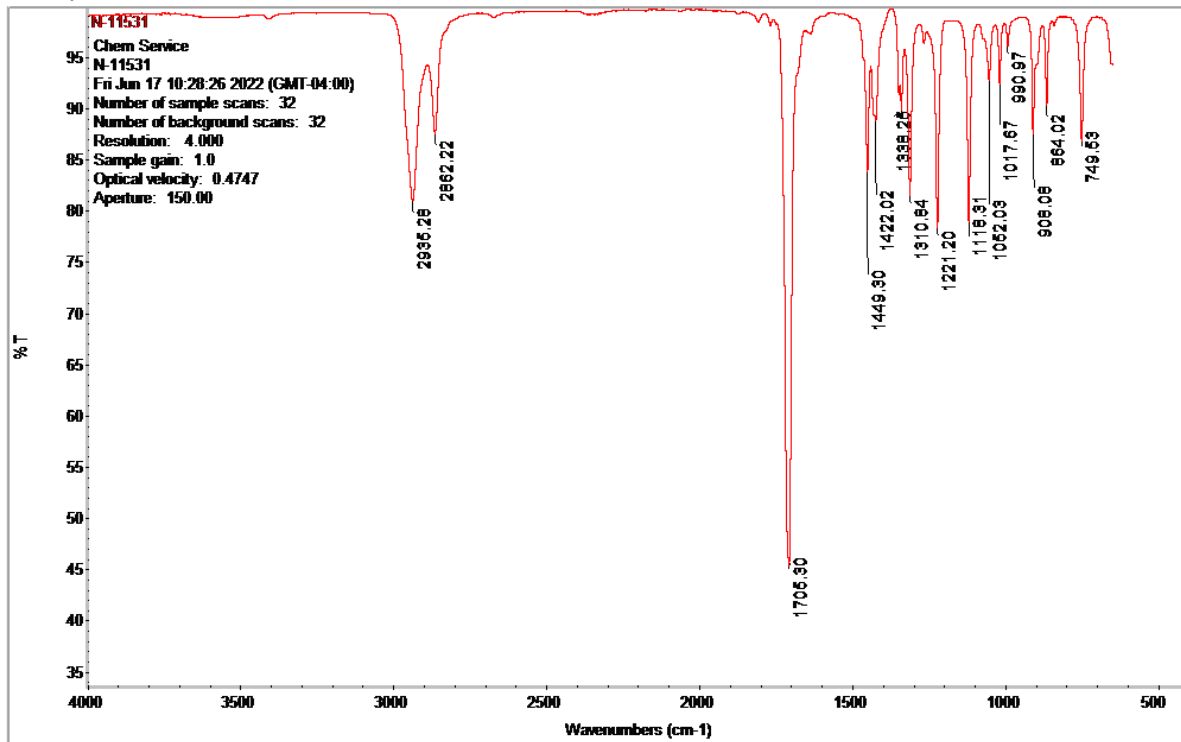
Chem Service, Inc. is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.



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.

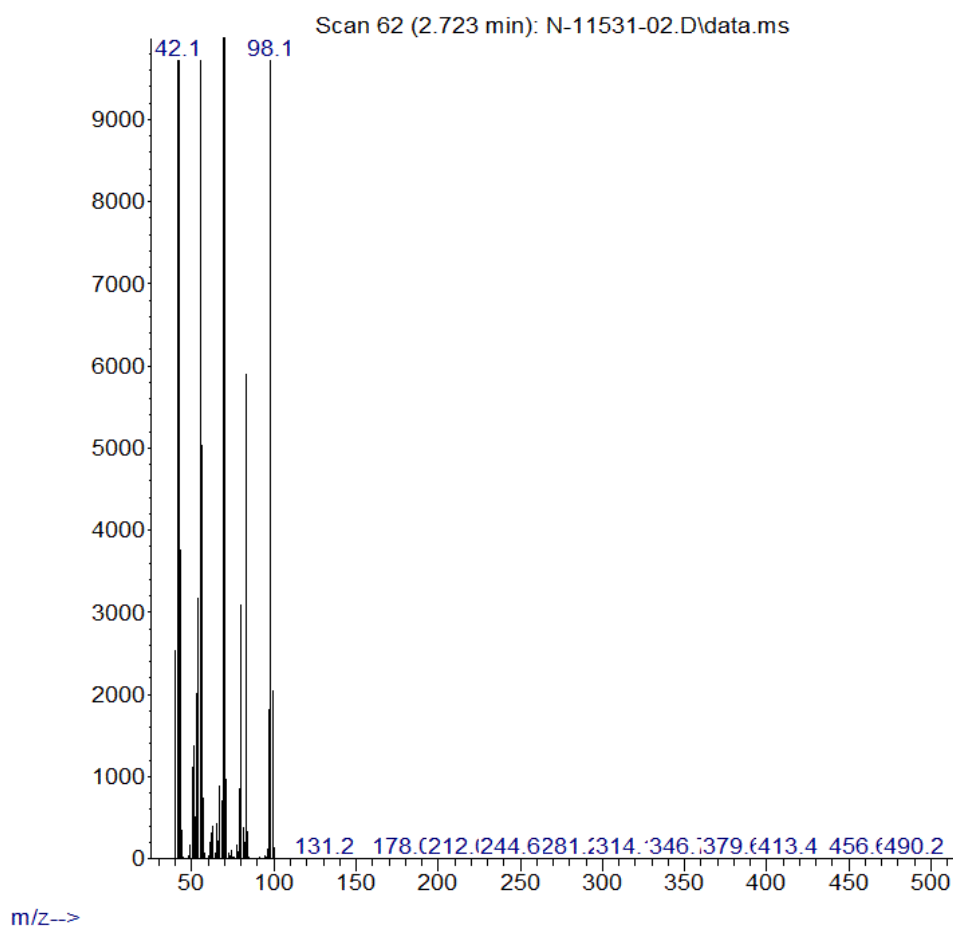


CERTIFICATE OF ANALYSIS

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

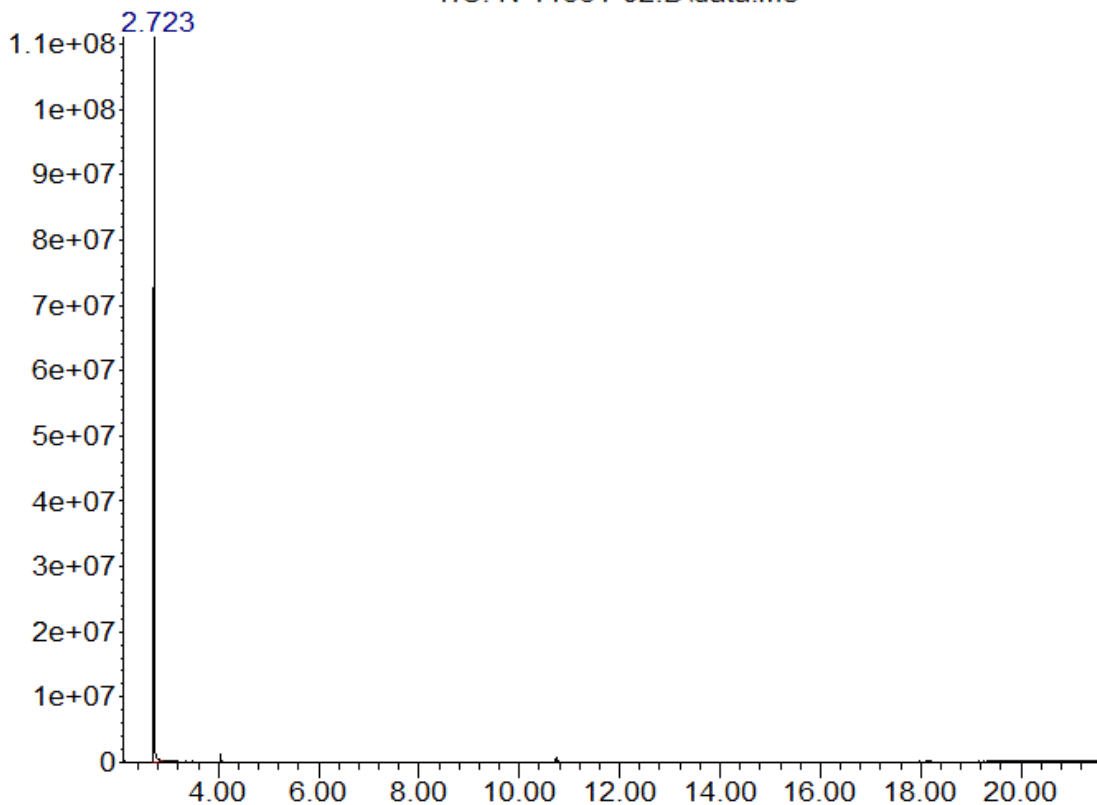
CERTIFICATE OF ANALYSIS

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_QC_2K_GAS_00148



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)

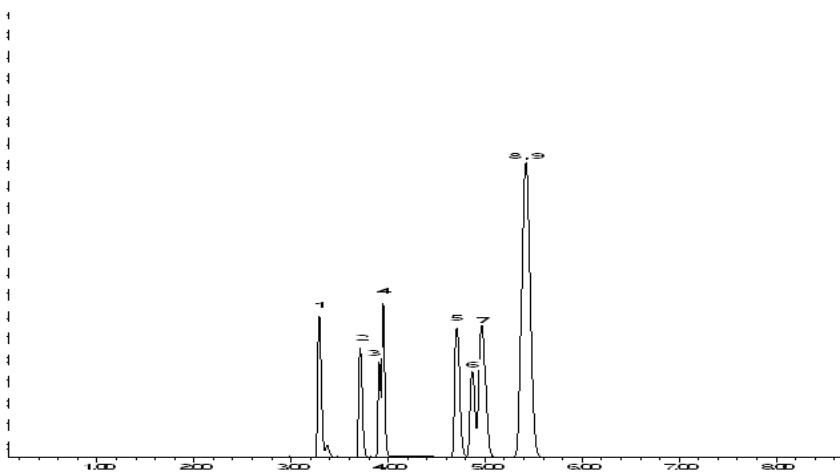
Carrier Gas:
helium-constant flow 2.0 mL/min.

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_00162



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)

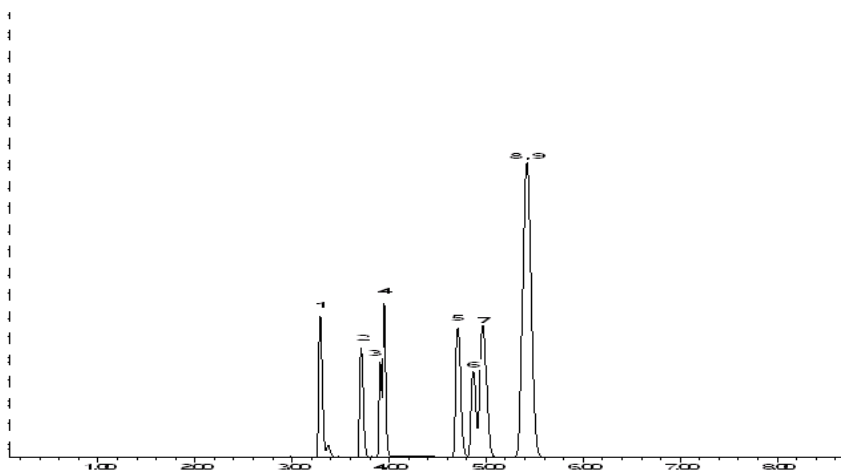
Carrier Gas:
helium-constant flow 2.0 mL/min.

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_00163



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)

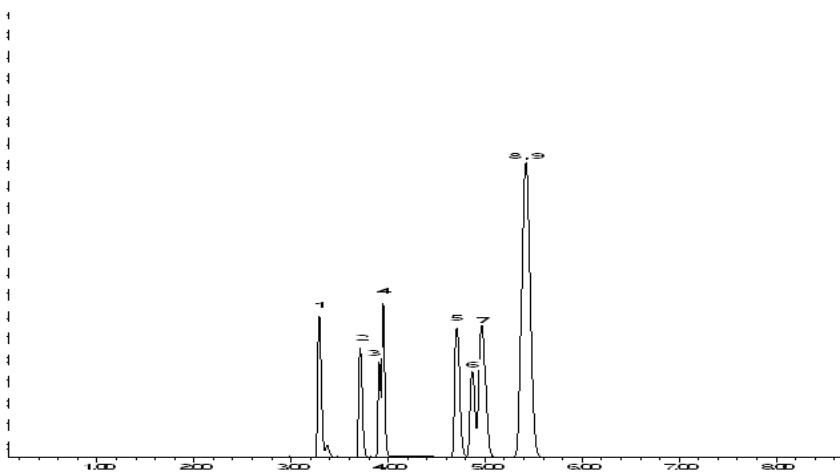
Carrier Gas:
helium-constant flow 2.0 mL/min.

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_00165



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)

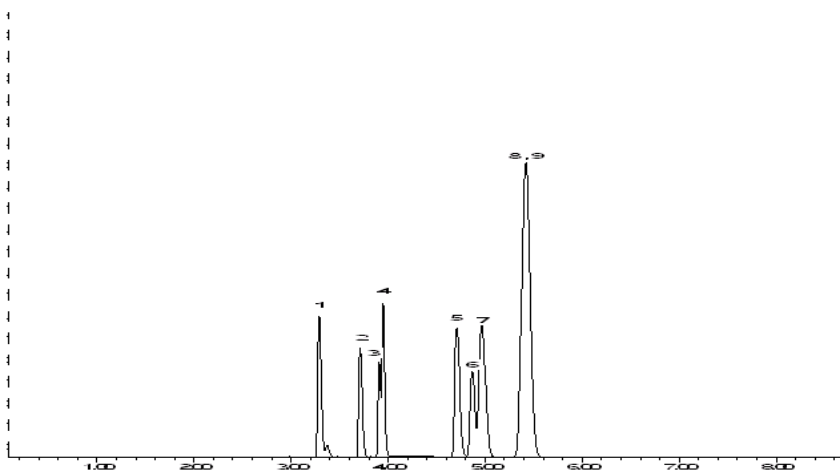
Carrier Gas:
helium-constant flow 2.0 mL/min.

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_PentaCL_00033



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)

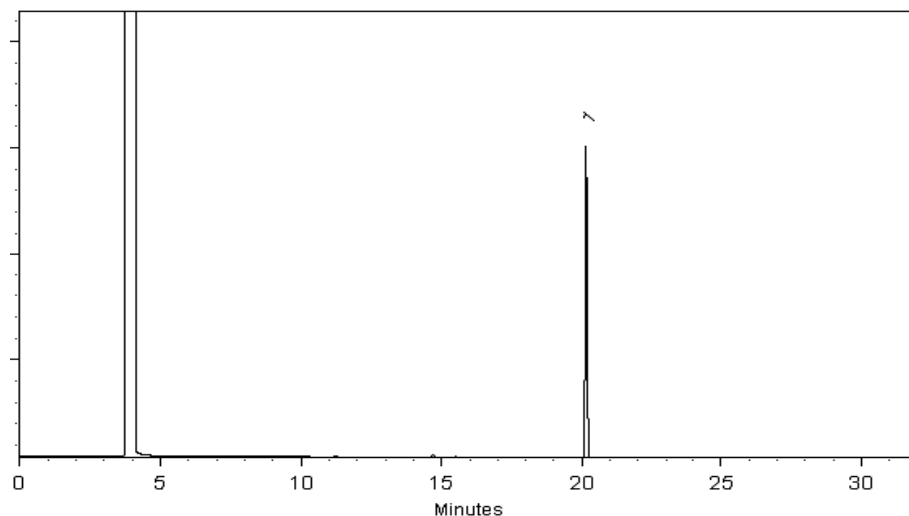
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

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Manufacturing Notes:

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Handling Notes:

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Reagent

MSV_V_PentaCL_00034



CERTIFIED REFERENCE MATERIAL

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

Certificate of Analysis



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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)

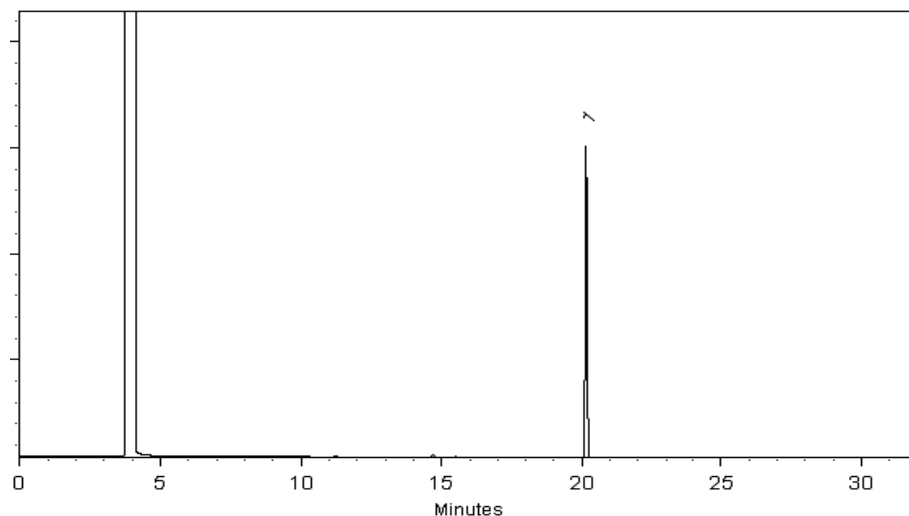
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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



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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:

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

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Manufacturing Notes:

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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.: 410-131835-1

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	410-131835-1	100	105	99	94
HD-COD-SW-7-0/1-0	410-131835-2	101	102	98	98
HD-COD-SW-8-0/1-0	410-131835-3	100	100	98	98
HD-COD-SW-9-0/1-0	410-131835-4	99	100	98	100
HD-COD-SW-13-0/1-0	410-131835-5	99	100	97	98
HD-COD-SW-15-0/1-0	410-131835-6	100	102	98	99
HD-COD-SW-16-0/1-0	410-131835-7	99	99	98	99
HD-COD-SW-17-0/1-0	410-131835-8	101	101	98	98
HD-COD-SW-17-0/1-0 DL	410-131835-8 DL	101	102	97	98
HD-COD-SW-26-0/1-0	410-131835-9	100	102	97	99
HD-COD-SW-27-0/1-0	410-131835-10	102	101	97	98
HD-COD-SW-28-0/1-0	410-131835-11	101	100	97	98
HD-COD-SW-29-0/1-0	410-131835-12	100	101	98	99
HD-QC1-0/1-1	410-131835-13	101	101	97	99
HD-QC1-0/1-1 DL	410-131835-13 DL	101	102	97	98
HD-QC1-0/1-2	410-131835-14	102	101	97	99
	MB 410-392483/6	100	100	98	99
	MB 410-393012/7	99	98	97	99
	MB 410-393586/6	102	101	99	94
	LCS 410-392483/4	99	103	99	100
	LCS 410-393012/4	100	100	98	100
	LCS 410-393586/4	102	101	99	97
	LCSD 410-393012/5	100	101	98	99
HD-COD-SW-15-0/1-0 MS MS	410-131835-6 MS	100	98	98	100
HD-COD-SW-15-0/1-0 MSD MSD	410-131835-6 MSD	100	98	99	100

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.: 410-131835-1

SDG No.:

Matrix: Water

Level: Low

Lab File ID: IU29X33.D

Lab ID: LCS 410-392483/4

Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	4.67	93	71-134	
1,1,1-Trichloroethane	5.00	4.58	92	78-126	
1,1,2,2-Tetrachloroethane	5.00	4.38	88	75-123	
1,1,2-Trichloroethane	5.00	4.54	91	80-120	
1,1-Dichloroethane	5.00	4.67	93	74-120	
1,1-Dichloroethene	5.00	4.64	93	80-131	
1,2-Dibromoethane (EDB)	5.00	4.63	93	80-120	
1,2-Dichloroethane	5.00	4.48	90	69-122	
1,2-Dichloropropane	5.00	4.86	97	80-120	
2-Butanone (MEK)	62.5	51.1	82	59-141	
2-Hexanone	62.5	49.7	80	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	49.8	80	55-140	
Acetone	62.5	48.8	78	60-146	
Benzene	5.00	4.87	97	80-120	
Bromochloromethane	5.00	4.78	96	80-120	
Bromodichloromethane	5.00	4.55	91	73-124	
Bromoform	5.00	4.02	80	49-144	
Bromomethane	5.00	3.61	72	60-136	
Carbon disulfide	5.00	4.43	89	67-130	
Carbon tetrachloride	5.00	4.59	92	64-141	
Chlorobenzene	5.00	4.57	91	80-120	
Chloroethane	5.00	3.99	80	63-120	
Chloroform	5.00	4.63	93	80-120	
Chloromethane	5.00	3.61	72	56-124	
cis-1,2-Dichloroethene	5.00	4.81	96	80-122	
cis-1,3-Dichloropropene	5.00	4.49	90	67-121	
Dibromochloromethane	5.00	4.33	87	64-138	
Ethylbenzene	5.00	4.63	93	80-120	
Methyl tert-butyl ether	5.00	4.56	91	69-120	
Methylene Chloride	5.00	4.79	96	80-120	
Styrene	5.00	4.61	92	80-120	
Tetrachloroethene	5.00	4.46	89	80-120	
Toluene	5.00	4.69	94	80-120	
trans-1,2-Dichloroethene	5.00	4.61	92	80-122	
trans-1,3-Dichloropropene	5.00	4.44	89	61-129	
Trichloroethene	5.00	4.63	93	80-120	
Vinyl chloride	5.00	3.71	74	60-125	
Xylenes, Total	15.0	14.0	93	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.: 410-131835-1

SDG No.:

Matrix: Water

Level: Low

Lab File ID: IL02X03.D

Lab ID: LCS 410-393012/4

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	5.18	104	78-126	
1,1,2,2-Tetrachloroethane	5.00	5.05	101	75-123	
1,1,2-Trichloroethane	5.00	5.01	100	80-120	
1,1-Dichloroethane	5.00	5.23	105	74-120	
1,1-Dichloroethene	5.00	5.31	106	80-131	
1,2-Dibromoethane (EDB)	5.00	5.20	104	80-120	
1,2-Dichloroethane	5.00	4.99	100	69-122	
1,2-Dichloropropane	5.00	5.32	106	80-120	
2-Butanone (MEK)	62.5	59.0	94	59-141	
2-Hexanone	62.5	57.4	92	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	57.7	92	55-140	
Acetone	62.5	56.0	90	60-146	
Benzene	5.00	5.40	108	80-120	
Bromochloromethane	5.00	5.32	106	80-120	
Bromodichloromethane	5.00	5.23	105	73-124	
Bromoform	5.00	5.14	103	49-144	
Bromomethane	5.00	3.86	77	60-136	
Carbon disulfide	5.00	5.26	105	67-130	
Carbon tetrachloride	5.00	5.25	105	64-141	
Chlorobenzene	5.00	5.02	100	80-120	
Chloroethane	5.00	4.13	83	63-120	
Chloroform	5.00	5.12	102	80-120	
Chloromethane	5.00	3.68	74	56-124	
cis-1,2-Dichloroethene	5.00	5.42	108	80-122	
cis-1,3-Dichloropropene	5.00	5.20	104	67-121	
Dibromochloromethane	5.00	5.11	102	64-138	
Ethylbenzene	5.00	5.11	102	80-120	
Methyl tert-butyl ether	5.00	5.02	100	69-120	
Methylene Chloride	5.00	5.22	104	80-120	
Styrene	5.00	5.14	103	80-120	
Tetrachloroethene	5.00	4.96	99	80-120	
Toluene	5.00	5.14	103	80-120	
trans-1,2-Dichloroethene	5.00	5.15	103	80-122	
trans-1,3-Dichloropropene	5.00	5.26	105	61-129	
Trichloroethene	5.00	5.13	103	80-120	
Vinyl chloride	5.00	3.89	78	60-125	
Xylenes, Total	15.0	15.4	103	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.: 410-131835-1

SDG No.:

Matrix: Water

Level: Low

Lab File ID: GL05X03.D

Lab ID: LCS 410-393586/4

Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	5.26	105	71-134	
1,1,1-Trichloroethane	5.00	4.97	99	78-126	
1,1,2,2-Tetrachloroethane	5.00	4.81	96	75-123	
1,1,2-Trichloroethane	5.00	4.98	100	80-120	
1,1-Dichloroethane	5.00	4.65	93	74-120	
1,1-Dichloroethene	5.00	4.82	96	80-131	
1,2-Dibromoethane (EDB)	5.00	5.22	104	80-120	
1,2-Dichloroethane	5.00	4.92	98	69-122	
1,2-Dichloropropane	5.00	4.70	94	80-120	
2-Butanone (MEK)	62.5	57.2	92	59-141	
2-Hexanone	62.5	52.9	85	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	52.6	84	55-140	
Acetone	62.5	58.5	94	60-146	
Benzene	5.00	4.79	96	80-120	
Bromochloromethane	5.00	5.15	103	80-120	
Bromodichloromethane	5.00	4.80	96	73-124	
Bromoform	5.00	4.31	86	49-144	
Bromomethane	5.00	3.82	76	60-136	
Carbon disulfide	5.00	4.46	89	67-130	
Carbon tetrachloride	5.00	5.13	103	64-141	
Chlorobenzene	5.00	5.00	100	80-120	
Chloroethane	5.00	3.88	78	63-120	
Chloroform	5.00	4.81	96	80-120	
Chloromethane	5.00	3.48	70	56-124	
cis-1,2-Dichloroethene	5.00	4.83	97	80-122	
cis-1,3-Dichloropropene	5.00	4.43	89	67-121	
Dibromochloromethane	5.00	4.91	98	64-138	
Ethylbenzene	5.00	4.95	99	80-120	
Methyl tert-butyl ether	5.00	4.40	88	69-120	
Methylene Chloride	5.00	4.74	95	80-120	
Styrene	5.00	5.03	101	80-120	
Tetrachloroethene	5.00	5.20	104	80-120	
Toluene	5.00	4.95	99	80-120	
trans-1,2-Dichloroethene	5.00	4.60	92	80-122	
trans-1,3-Dichloropropene	5.00	4.57	91	61-129	
Trichloroethene	5.00	4.72	94	80-120	
Vinyl chloride	5.00	3.53	71	60-125	
Xylenes, Total	15.0	15.4	103	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.: 410-131835-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: IL02X04.D

Lab ID: LCSD 410-393012/5

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	5.11	102	2	30	71-134	
1,1,1-Trichloroethane	5.00	5.09	102	2	30	78-126	
1,1,2,2-Tetrachloroethane	5.00	4.89	98	3	30	75-123	
1,1,2-Trichloroethane	5.00	4.99	100	0	30	80-120	
1,1-Dichloroethane	5.00	5.08	102	3	30	74-120	
1,1-Dichloroethene	5.00	5.20	104	2	30	80-131	
1,2-Dibromoethane (EDB)	5.00	5.04	101	3	30	80-120	
1,2-Dichloroethane	5.00	4.85	97	3	30	69-122	
1,2-Dichloropropane	5.00	5.29	106	1	30	80-120	
2-Butanone (MEK)	62.5	57.4	92	3	30	59-141	
2-Hexanone	62.5	56.8	91	1	30	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	56.6	90	2	30	55-140	
Acetone	62.5	54.8	88	2	30	60-146	
Benzene	5.00	5.28	106	2	30	80-120	
Bromochloromethane	5.00	5.20	104	2	30	80-120	
Bromodichloromethane	5.00	5.08	102	3	30	73-124	
Bromoform	5.00	4.99	100	3	30	49-144	
Bromomethane	5.00	3.77	75	2	30	60-136	
Carbon disulfide	5.00	5.10	102	3	30	67-130	
Carbon tetrachloride	5.00	5.25	105	0	30	64-141	
Chlorobenzene	5.00	4.95	99	1	30	80-120	
Chloroethane	5.00	4.13	83	0	30	63-120	
Chloroform	5.00	5.04	101	2	30	80-120	
Chloromethane	5.00	3.63	73	1	30	56-124	
cis-1,2-Dichloroethene	5.00	5.20	104	4	30	80-122	
cis-1,3-Dichloropropene	5.00	5.15	103	1	30	67-121	
Dibromochloromethane	5.00	5.00	100	2	30	64-138	
Ethylbenzene	5.00	4.99	100	2	30	80-120	
Methyl tert-butyl ether	5.00	4.96	99	1	30	69-120	
Methylene Chloride	5.00	5.16	103	1	30	80-120	
Styrene	5.00	5.05	101	2	30	80-120	
Tetrachloroethene	5.00	4.82	96	3	30	80-120	
Toluene	5.00	5.04	101	2	30	80-120	
trans-1,2-Dichloroethene	5.00	5.00	100	3	30	80-122	
trans-1,3-Dichloropropene	5.00	5.08	102	4	30	61-129	
Trichloroethene	5.00	5.08	102	1	30	80-120	
Vinyl chloride	5.00	3.85	77	1	30	60-125	
Xylenes, Total	15.0	15.2	101	1	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.: 410-131835-1

SDG No.:

Matrix: Water

Level: Low

Lab File ID: IU29X41.D

Lab ID: 410-131835-6 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	5.02	100	71-134	
1,1,1-Trichloroethane	5.00	0.24 J	5.63	108	78-126	
1,1,2,2-Tetrachloroethane	5.00	ND	4.48	90	75-123	
1,1,2-Trichloroethane	5.00	ND	4.80	96	80-120	
1,1-Dichloroethane	5.00	ND	5.36	107	74-120	
1,1-Dichloroethene	5.00	0.14 J	5.75	112	80-131	
1,2-Dibromoethane (EDB)	5.00	ND	4.84	97	80-120	
1,2-Dichloroethane	5.00	ND	4.73	95	69-122	
1,2-Dichloropropane	5.00	ND	5.30	106	80-120	
2-Butanone (MEK)	62.6	ND	62.1	99	59-141	
2-Hexanone	62.6	ND	61.1	98	52-140	
4-Methyl-2-pentanone (MIBK)	62.6	ND	61.7	99	55-140	
Acetone	62.6	ND	56.8	91	60-146	
Benzene	5.00	ND	5.45	109	80-120	
Bromochloromethane	5.00	ND	5.15	103	80-120	
Bromodichloromethane	5.00	ND	4.89	98	73-124	
Bromoform	5.00	ND	4.14	83	49-144	
Bromomethane	5.00	ND	4.05	81	60-136	
Carbon disulfide	5.00	ND	5.20	104	67-130	
Carbon tetrachloride	5.00	ND	5.61	112	64-141	
Chlorobenzene	5.00	ND	5.00	100	80-120	
Chloroethane	5.00	ND	4.46	89	63-120	
Chloroform	5.00	0.23 J	5.35	102	80-120	
Chloromethane	5.00	0.12 J	4.06	79	80-120	FL
cis-1,2-Dichloroethene	5.00	1.1	6.46	107	80-122	
cis-1,3-Dichloropropene	5.00	ND	4.82	96	67-121	
Dibromochloromethane	5.00	ND	4.57	91	64-138	
Ethylbenzene	5.00	ND	5.19	104	80-120	
Methyl tert-butyl ether	5.00	ND	4.76	95	69-120	
Methylene Chloride	5.00	ND	5.19	104	80-120	
Styrene	5.00	ND	5.04	101	80-120	
Tetrachloroethene	5.00	3.9	9.03	103	80-120	
Toluene	5.00	ND	5.25	105	80-120	
trans-1,2-Dichloroethene	5.00	ND	5.29	106	80-122	
trans-1,3-Dichloropropene	5.00	ND	4.71	94	61-129	
Trichloroethene	5.00	1.1	6.34	105	80-120	
Vinyl chloride	5.00	ND	4.41	88	60-125	
Xylenes, Total	15.0	ND	15.5	103	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.: 410-131835-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: IU29X42.D

Lab ID: 410-131835-6 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	5.30	106	6	30	71-134	
1,1,1-Trichloroethane	5.00	5.93	114	5	30	78-126	
1,1,2,2-Tetrachloroethane	5.00	4.99	100	11	30	75-123	
1,1,2-Trichloroethane	5.00	5.06	101	5	30	80-120	
1,1-Dichloroethane	5.00	5.63	112	5	30	74-120	
1,1-Dichloroethene	5.00	6.06	118	5	30	80-131	
1,2-Dibromoethane (EDB)	5.00	5.16	103	6	30	80-120	
1,2-Dichloroethane	5.00	5.00	100	6	30	69-122	
1,2-Dichloropropane	5.00	5.55	111	5	30	80-120	
2-Butanone (MEK)	62.6	58.4	93	6	30	59-141	
2-Hexanone	62.6	57.3	92	7	30	52-140	
4-Methyl-2-pentanone (MIBK)	62.6	57.8	92	6	30	55-140	
Acetone	62.6	55.4	89	2	30	60-146	
Benzene	5.00	5.76	115	5	30	80-120	
Bromochloromethane	5.00	5.42	108	5	30	80-120	
Bromodichloromethane	5.00	5.15	103	5	30	73-124	
Bromoform	5.00	4.42	88	6	30	49-144	
Bromomethane	5.00	4.27	85	5	30	60-136	
Carbon disulfide	5.00	5.56	111	7	30	67-130	
Carbon tetrachloride	5.00	5.91	118	5	30	64-141	
Chlorobenzene	5.00	5.25	105	5	30	80-120	
Chloroethane	5.00	4.71	94	5	30	63-120	
Chloroform	5.00	5.59	107	4	30	80-120	
Chloromethane	5.00	4.36	85	7	30	80-120	
cis-1,2-Dichloroethene	5.00	6.80	113	5	30	80-122	
cis-1,3-Dichloropropene	5.00	5.19	104	7	30	67-121	
Dibromochloromethane	5.00	4.84	97	6	30	64-138	
Ethylbenzene	5.00	5.49	110	6	30	80-120	
Methyl tert-butyl ether	5.00	5.16	103	8	30	69-120	
Methylene Chloride	5.00	5.40	108	4	30	80-120	
Styrene	5.00	5.28	106	5	30	80-120	
Tetrachloroethene	5.00	9.58	114	6	30	80-120	
Toluene	5.00	5.58	111	6	30	80-120	
trans-1,2-Dichloroethene	5.00	5.55	111	5	30	80-122	
trans-1,3-Dichloropropene	5.00	5.02	100	6	30	61-129	
Trichloroethene	5.00	6.73	113	6	30	80-120	
Vinyl chloride	5.00	4.63	92	5	30	60-125	
Xylenes, Total	15.0	16.4	109	5	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.: 410-131835-1
Environment Testing, LLC

SDG No.: _____

Lab File ID: IU29X35.D Lab Sample ID: MB 410-392483/6

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

Instrument ID: 19930 Date Analyzed: 06/29/2023 23:21

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-392483/4	IU29X33.D	06/29/2023 22:39
HD-COD-SW-15-0/1-0	410-131835-6	IU29X40.D	06/30/2023 01:06
HD-COD-SW-15-0/1-0 MS MS	410-131835-6 MS	IU29X41.D	06/30/2023 01:27
HD-COD-SW-15-0/1-0 MSD MSD	410-131835-6 MSD	IU29X42.D	06/30/2023 01:48
HD-COD-SW-7-0/1-0	410-131835-2	IU29X55.D	06/30/2023 06:22
HD-COD-SW-8-0/1-0	410-131835-3	IU29X56.D	06/30/2023 06:43
HD-COD-SW-9-0/1-0	410-131835-4	IU29X57.D	06/30/2023 07:04
HD-COD-SW-13-0/1-0	410-131835-5	IU29X58.D	06/30/2023 07:25
HD-COD-SW-16-0/1-0	410-131835-7	IU29X59.D	06/30/2023 07:46

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-131835-1
Environment Testing, LLC

SDG No.: _____

Lab File ID: IL02X06.D Lab Sample ID: MB 410-393012/7

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

Instrument ID: 19930 Date Analyzed: 07/02/2023 13:27

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-393012/4	IL02X03.D	07/02/2023 12:25
	LCSD 410-393012/5	IL02X04.D	07/02/2023 12:46
HD-COD-SW-17-0/1-0	410-131835-8	IL02X11.D	07/02/2023 15:14
HD-COD-SW-17-0/1-0 DL	410-131835-8 DL	IL02X12.D	07/02/2023 15:34
HD-COD-SW-26-0/1-0	410-131835-9	IL02X13.D	07/02/2023 15:55
HD-COD-SW-27-0/1-0	410-131835-10	IL02X14.D	07/02/2023 16:16
HD-COD-SW-28-0/1-0	410-131835-11	IL02X15.D	07/02/2023 16:37
HD-COD-SW-29-0/1-0	410-131835-12	IL02X16.D	07/02/2023 16:59
HD-QC1-0/1-1	410-131835-13	IL02X17.D	07/02/2023 17:20
HD-QC1-0/1-1 DL	410-131835-13 DL	IL02X18.D	07/02/2023 17:41
HD-QC1-0/1-2	410-131835-14	IL02X19.D	07/02/2023 18:02

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-131835-1
Environment Testing, LLC

SDG No.: _____

Lab File ID: GL05X05.D Lab Sample ID: MB 410-393586/6

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

Instrument ID: 16334 Date Analyzed: 07/05/2023 11:05

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 410-393586/4	GL05X03.D	07/05/2023 10:21
HD-COD-SW-6-0/1-0	410-131835-1	GL05X13.D	07/05/2023 14:02

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

SDG No.:

Lab File ID: JU12T01.D

BFB Injection Date: 06/12/2023

Instrument ID: 16334

BFB Injection Time: 20:26

Analysis Batch No.: 385635

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.5	
75	30.0 - 60.0 % of mass 95	47.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	81.0	
175	5.0 - 9.0 % of mass 174	6.7	(8.3) 1
176	95.0 - 101.0 % of mass 174	79.0	(97.6) 1
177	5.0 - 9.0 % of mass 176	5.0	(6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-385635/3	JU12X02.D	06/12/2023	21:01
	IC 410-385635/4	JU12X03.D	06/12/2023	21:23
	IC 410-385635/5	JU12X04.D	06/12/2023	21:45
	IC 410-385635/6	JU12X05.D	06/12/2023	22:08
	IC 410-385635/7	JU12X06.D	06/12/2023	22:30
	IC 410-385635/8	JU12X07.D	06/12/2023	22:52
	IC 410-385635/9	JU12X08.D	06/12/2023	23:14
	IC 410-385635/13	JU12X12.D	06/13/2023	0:42
	IC 410-385635/14	JU12X13.D	06/13/2023	1:04
	IC 410-385635/15	JU12X14.D	06/13/2023	1:26
	IC 410-385635/16	JU12X15.D	06/13/2023	1:48
	IC 410-385635/17	JU12X16.D	06/13/2023	2:11
	ICIS 410-385635/18	JU12X17.D	06/13/2023	2:33
	IC 410-385635/19	JU12X18.D	06/13/2023	2:55
	ICV 410-385635/21	JU12X20.D	06/13/2023	3:39

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-131835-1
 Environment Testing, LLC

SDG No.:

Lab File ID: GL05T01.D BFB Injection Date: 07/05/2023

Instrument ID: 16334 BFB Injection Time: 09:24

Analysis Batch No.: 393586

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.5	
75	30.0 - 60.0 % of mass 95	47.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.3	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	87.6	
175	5.0 - 9.0 % of mass 174	6.8	(7.7) 1
176	95.0 - 101.0 % of mass 174	84.8	(96.8) 1
177	5.0 - 9.0 % of mass 176	5.5	(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 410-393586/3	GL05X02.D	07/05/2023	9:59
	LCS 410-393586/4	GL05X03.D	07/05/2023	10:21
	MB 410-393586/6	GL05X05.D	07/05/2023	11:05
HD-COD-SW-6-0/1-0	410-131835-1	GL05X13.D	07/05/2023	14:02

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

SDG No.:

Lab File ID: IU19T01.D

BFB Injection Date: 06/19/2023

Instrument ID: 19930

BFB Injection Time: 14:12

Analysis Batch No.: 388102

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.2	
75	30.0 - 60.0 % of mass 95	45.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	94.5	
175	5.0 - 9.0 % of mass 174	7.2	(7.6) 1
176	95.0 - 101.0 % of mass 174	93.5	(98.9) 1
177	5.0 - 9.0 % of mass 176	6.1	(6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-388102/3	IU19X02.D	06/19/2023	14:49
	IC 410-388102/4	IU19X03.D	06/19/2023	15:10
	IC 410-388102/5	IU19X04.D	06/19/2023	15:31
	IC 410-388102/6	IU19X05.D	06/19/2023	15:52
	IC 410-388102/7	IU19X06.D	06/19/2023	16:13
	IC 410-388102/8	IU19X07.D	06/19/2023	16:34
	IC 410-388102/9	IU19X08.D	06/19/2023	16:55
	IC 410-388102/13	IU19X12.D	06/19/2023	18:19
	IC 410-388102/14	IU19X13.D	06/19/2023	18:40
	IC 410-388102/15	IU19X14.D	06/19/2023	19:01
	IC 410-388102/16	IU19X15.D	06/19/2023	19:22
	IC 410-388102/17	IU19X16.D	06/19/2023	19:42
	ICIS 410-388102/18	IU19X17.D	06/19/2023	20:03
	IC 410-388102/19	IU19X18.D	06/19/2023	20:25
	ICV 410-388102/21	IU19X20.D	06/19/2023	21:07

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

SDG No.:

Lab File ID: IU29T32.D

BFB Injection Date: 06/29/2023

Instrument ID: 19930

BFB Injection Time: 21:45

Analysis Batch No.: 392483

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.0	
75	30.0 - 60.0 % of mass 95	44.1	
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	0.7	(0.8) 1
174	Greater than 50% of mass 95	95.3	
175	5.0 - 9.0 % of mass 174	7.1	(7.5) 1
176	95.0 - 101.0 % of mass 174	94.0	(98.6) 1
177	5.0 - 9.0 % of mass 176	6.4	(6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-392483/3	IU29X32.D	06/29/2023	22:18
	LCS 410-392483/4	IU29X33.D	06/29/2023	22:39
	MB 410-392483/6	IU29X35.D	06/29/2023	23:21
HD-COD-SW-15-0/1-0	410-131835-6	IU29X40.D	06/30/2023	1:06
HD-COD-SW-15-0/1-0 MS MS	410-131835-6 MS	IU29X41.D	06/30/2023	1:27
HD-COD-SW-15-0/1-0 MSD MSD	410-131835-6 MSD	IU29X42.D	06/30/2023	1:48
HD-COD-SW-7-0/1-0	410-131835-2	IU29X55.D	06/30/2023	6:22
HD-COD-SW-8-0/1-0	410-131835-3	IU29X56.D	06/30/2023	6:43
HD-COD-SW-9-0/1-0	410-131835-4	IU29X57.D	06/30/2023	7:04
HD-COD-SW-13-0/1-0	410-131835-5	IU29X58.D	06/30/2023	7:25
HD-COD-SW-16-0/1-0	410-131835-7	IU29X59.D	06/30/2023	7:46

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

SDG No.:

Lab File ID: IL02T01.D

BFB Injection Date: 07/02/2023

Instrument ID: 19930

BFB Injection Time: 11:22

Analysis Batch No.: 393012

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	15.2
75	30.0 - 60.0 % of mass 95	44.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.2
173	Less than 2.0 % of mass 174	0.4 (0.4) 1
174	Greater than 50% of mass 95	96.4
175	5.0 - 9.0 % of mass 174	7.5 (7.7) 1
176	95.0 - 101.0 % of mass 174	94.4 (98.0) 1
177	5.0 - 9.0 % of mass 176	6.2 (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 410-393012/3	IL02X02.D	07/02/2023	12:04
	LCS 410-393012/4	IL02X03.D	07/02/2023	12:25
	LCSD 410-393012/5	IL02X04.D	07/02/2023	12:46
	MB 410-393012/7	IL02X06.D	07/02/2023	13:27
HD-COD-SW-17-0/1-0	410-131835-8	IL02X11.D	07/02/2023	15:14
HD-COD-SW-17-0/1-0 DL	410-131835-8 DL	IL02X12.D	07/02/2023	15:34
HD-COD-SW-26-0/1-0	410-131835-9	IL02X13.D	07/02/2023	15:55
HD-COD-SW-27-0/1-0	410-131835-10	IL02X14.D	07/02/2023	16:16
HD-COD-SW-28-0/1-0	410-131835-11	IL02X15.D	07/02/2023	16:37
HD-COD-SW-29-0/1-0	410-131835-12	IL02X16.D	07/02/2023	16:59
HD-QC1-0/1-1	410-131835-13	IL02X17.D	07/02/2023	17:20
HD-QC1-0/1-1 DL	410-131835-13 DL	IL02X18.D	07/02/2023	17:41
HD-QC1-0/1-2	410-131835-14	IL02X19.D	07/02/2023	18:02

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-131835-1
Environment Testing, LLC

SDG No.: _____

Sample No.: ICIS 410-385635/18 Date Analyzed: 06/13/2023 02:33

Instrument ID: 16334 GC Column: R-624SilMS 30m ID: 0.25 (mm)

Lab File ID (Standard): JU12X17.D Heated Purge: (Y/N) N

Calibration ID: 50976

	DCBd4		#	RT #	#	RT #
	AREA #	RT #				
INITIAL CALIBRATION MID-POINT	1322900	12.95				
UPPER LIMIT	2645800	13.45				
LOWER LIMIT	661450	12.45				
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 410-385635/21		1379647	12.95			
CCVIS 410-393586/3		1280368	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.: 410-131835-1
Environment Testing, LLC

SDG No.: _____

Sample No.: CCVIS 410-393586/3 Date Analyzed: 07/05/2023 09:59

Instrument ID: 16334 GC Column: R-624SilMS 30m ID: 0.25 (mm)

Lab File ID (Standard): GL05X02.D Heated Purge: (Y/N) N

Calibration ID: 50976

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		1280368	12.94				
UPPER LIMIT		2560736	13.44				
LOWER LIMIT		640184	12.44				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-393586/4		1299030	12.94				
MB 410-393586/6		1197611	12.94				
410-131835-1	HD-COD-SW-6-0/1-0	1180472	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.: 410-131835-1
Environment Testing, LLC

SDG No.: _____

Sample No.: ICIS 410-388102/18 Date Analyzed: 06/19/2023 20:03

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

Lab File ID (Standard): IU19X17.D Heated Purge: (Y/N) N

Calibration ID: 51353

	DCBd4		#	RT #	#	RT #
	AREA #	RT #				
INITIAL CALIBRATION MID-POINT	884528	12.88				
UPPER LIMIT	1769056	13.38				
LOWER LIMIT	442264	12.38				
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 410-388102/21		914425	12.88			
CCVIS 410-392483/3		853274	12.88			
CCVIS 410-393012/3		885298	12.88			
MB 410-393012/7		880091	12.88			

DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-131835-1
Environment Testing, LLC

SDG No.: _____

Sample No.: CCVIS 410-392483/3 Date Analyzed: 06/29/2023 22:18

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

Lab File ID (Standard): IU29X32.D Heated Purge: (Y/N) N

Calibration ID: 51353

	DCBd4		#	RT #	#	RT #
	AREA #	RT #				
12/24 HOUR STD	853274	12.88				
UPPER LIMIT	1706548	13.38				
LOWER LIMIT	426637	12.38				
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 410-392483/4		988031	12.88			
MB 410-392483/6		844970	12.88			
410-131835-6	HD-COD-SW-15-0/1-0	862504	12.88			
410-131835-6 MS	HD-COD-SW-15-0/1-0 MS MS	910158	12.88			
410-131835-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	854070	12.88			
410-131835-2	HD-COD-SW-7-0/1-0	872145	12.88			
410-131835-3	HD-COD-SW-8-0/1-0	878525	12.88			
410-131835-4	HD-COD-SW-9-0/1-0	851364	12.88			
410-131835-5	HD-COD-SW-13-0/1-0	842099	12.88			
410-131835-7	HD-COD-SW-16-0/1-0	861923	12.88			

DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-131835-1
Environment Testing, LLC

SDG No.: _____

Sample No.: CCVIS 410-393012/3 Date Analyzed: 07/02/2023 12:04

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

Lab File ID (Standard): IL02X02.D Heated Purge: (Y/N) N

Calibration ID: 51353

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		885298	12.88				
UPPER LIMIT		1770596	13.38				
LOWER LIMIT		442649	12.38				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-393012/4		877298	12.88				
LCSD 410-393012/5		894500	12.88				
MB 410-393012/7		880091	12.88				
410-131835-8	HD-COD-SW-17-0/1-0	817005	12.88				
410-131835-8 DL	HD-COD-SW-17-0/1-0 DL	863708	12.88				
410-131835-9	HD-COD-SW-26-0/1-0	839607	12.88				
410-131835-10	HD-COD-SW-27-0/1-0	860904	12.88				
410-131835-11	HD-COD-SW-28-0/1-0	832609	12.88				
410-131835-12	HD-COD-SW-29-0/1-0	845477	12.88				
410-131835-13	HD-QC1-0/1-1	831731	12.88				
410-131835-13 DL	HD-QC1-0/1-1 DL	853227	12.88				
410-131835-14	HD-QC1-0/1-2	848705	12.88				

DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

SDG No.:

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

Lab Sample ID: 410-131835-1

Matrix: Water

Lab File ID: GL05X13.D

Analysis Method: 8260D

Date Collected: 06/21/2023 10:27

Sample wt/vol: 25 (mL)

Date Analyzed: 07/05/2023 14:02

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 393586

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	1.7	J	5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	0.20	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.17	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20
108-88-3	Toluene	0.083	J	0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

SDG No.:

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

Lab Sample ID: 410-131835-1

Matrix: Water

Lab File ID: GL05X13.D

Analysis Method: 8260D

Date Collected: 06/21/2023 10:27

Sample wt/vol: 25 (mL)

Date Analyzed: 07/05/2023 14:02

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 393586

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)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
 Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\GL05X13.D
 Lims ID: 410-131835-B-1
 Client ID: HD-COD-SW-6-0/1-0
 Sample Type: Client
 Inject. Date: 05-Jul-2023 14:02:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088183-014
 Operator ID: knk41612 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Jul-2023 07:12:37 Calib Date: 13-Jun-2023 02:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1617

First Level Reviewer: kaewrungrueangp Date: 06-Jul-2023 07:13:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.080	2.093	-0.013	99	21002	0.1973	
6 Vinyl chloride	62		2.209				ND	7
9 Bromomethane	94		2.532				ND	
10 Chloroethane	64		2.605				ND	
18 1,1-Dichloroethene	96	3.440	3.422	0.018	1	1602	0.0260	
19 Acetone	43	3.464	3.458	0.006	93	19837	1.75	
24 Carbon disulfide	76		3.715				ND	7
29 Methylene Chloride	84		4.062				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	4.086	4.105	-0.019	27	264087	50.0	
33 Methyl tert-butyl ether	73		4.452				ND	
34 trans-1,2-Dichloroethene	96		4.458				ND	
37 1,1-Dichloroethane	63		5.123				ND	
41 2-Butanone (MEK)	43		5.928				ND	
42 cis-1,2-Dichloroethene	96	5.970	5.964	0.006	76	13871	0.1732	
49 Chlorobromomethane	128		6.293				ND	
51 Chloroform	83	6.445	6.446	-0.001	89	6807	0.0538	
\$ 52 Dibromofluoromethane (Surr)	113	6.659	6.659	0.000	94	670271	10.0	
53 1,1,1-Trichloroethane	97		6.671				ND	
55 Carbon tetrachloride	117		6.885				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.116	7.110	0.006	65	148271	10.5	
60 Benzene	78		7.147				ND	7
61 1,2-Dichloroethane	62		7.220				ND	
* 64 Fluorobenzene (IS)	96	7.555	7.555	0.000	99	2797892	10.0	
68 Trichloroethene	95	8.037	8.037	0.000	95	9630	0.1245	
70 1,2-Dichloropropane	63		8.366				ND	
76 Dichlorobromomethane	83		8.714				ND	7
81 cis-1,3-Dichloropropene	75		9.274				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.457				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.585	9.585	0.000	93	2727633	9.89	
84 Toluene	92	9.658	9.665	-0.007	99	15280	0.0826	
85 trans-1,3-Dichloropropene	75		9.927				ND	
107 1,1,2-Trichloroethane	97		10.134				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166		10.219				ND	7
110 2-Hexanone	43		10.360				ND	7
112 Chlorodibromomethane	129		10.512				ND	
113 Ethylene Dibromide	107		10.622				ND	
* 114 Chlorobenzene-d5 (IS)	117	11.060	11.061	-0.001	85	2131428	10.0	
116 Chlorobenzene	112		11.085				ND	
117 1,1,1,2-Tetrachloroethane	131		11.170				ND	
118 Ethylbenzene	91		11.176				ND	7
S 119 Xylenes, Total	106				0		0.0997	
120 m-Xylene & p-Xylene	106	11.292	11.292	0.000	99	9632	0.0705	
121 o-Xylene	106	11.627	11.622	0.005	94	3971	0.0293	
122 Styrene	104		11.634				ND	7
123 Bromoform	173		11.792				ND	7
\$ 127 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	92	998164	9.37	
128 1,1,2,2-Tetrachloroethane	83		12.170				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	1180472	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_29_826ISS_00048

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\GL05X13.D

Injection Date: 05-Jul-2023 14:02:30

Instrument ID: 16334

Operator ID: knk41612

Lims ID: 410-131835-B-1

Lab Sample ID: 410-131835-1

Worklist Smp#: 14

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

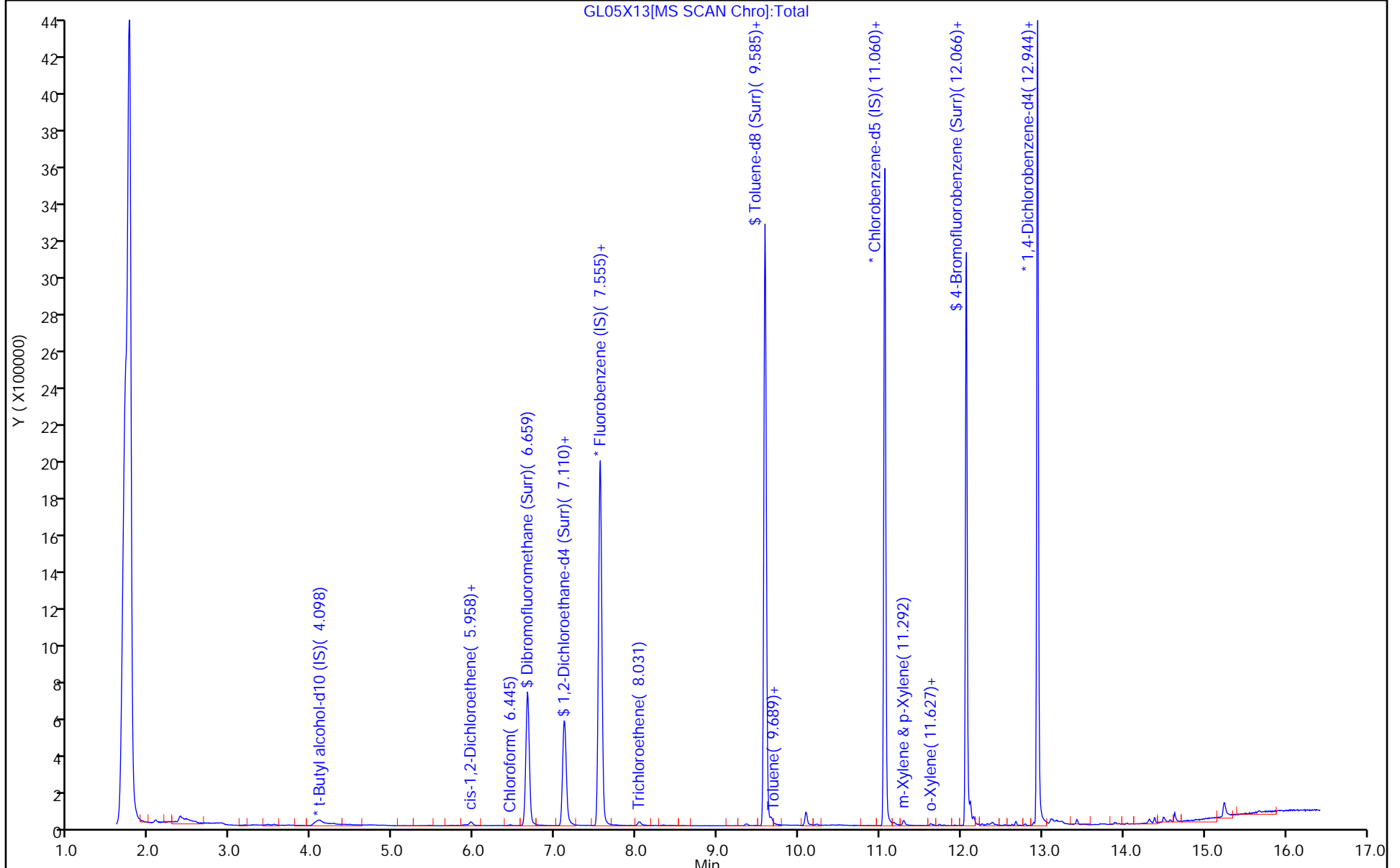
ALS Bottle#: 13

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\GL05X13.D
 Lims ID: 410-131835-B-1
 Client ID: HD-COD-SW-6-0/1-0
 Sample Type: Client
 Inject. Date: 05-Jul-2023 14:02:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088183-014
 Operator ID: knk41612 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Jul-2023 07:12:37 Calib Date: 13-Jun-2023 02:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1617

First Level Reviewer: kaewrungrueangp Date: 06-Jul-2023 07:13:32

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.0	100.13
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.5	105.49
\$ 83 Toluene-d8 (Surr)	10.0	9.89	98.91
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.37	93.72

Data File: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\GL05X13.D

Injection Date: 05-Jul-2023 14:02:30 Instrument ID: 16334

Lims ID: 410-131835-B-1 Lab Sample ID: 410-131835-1

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

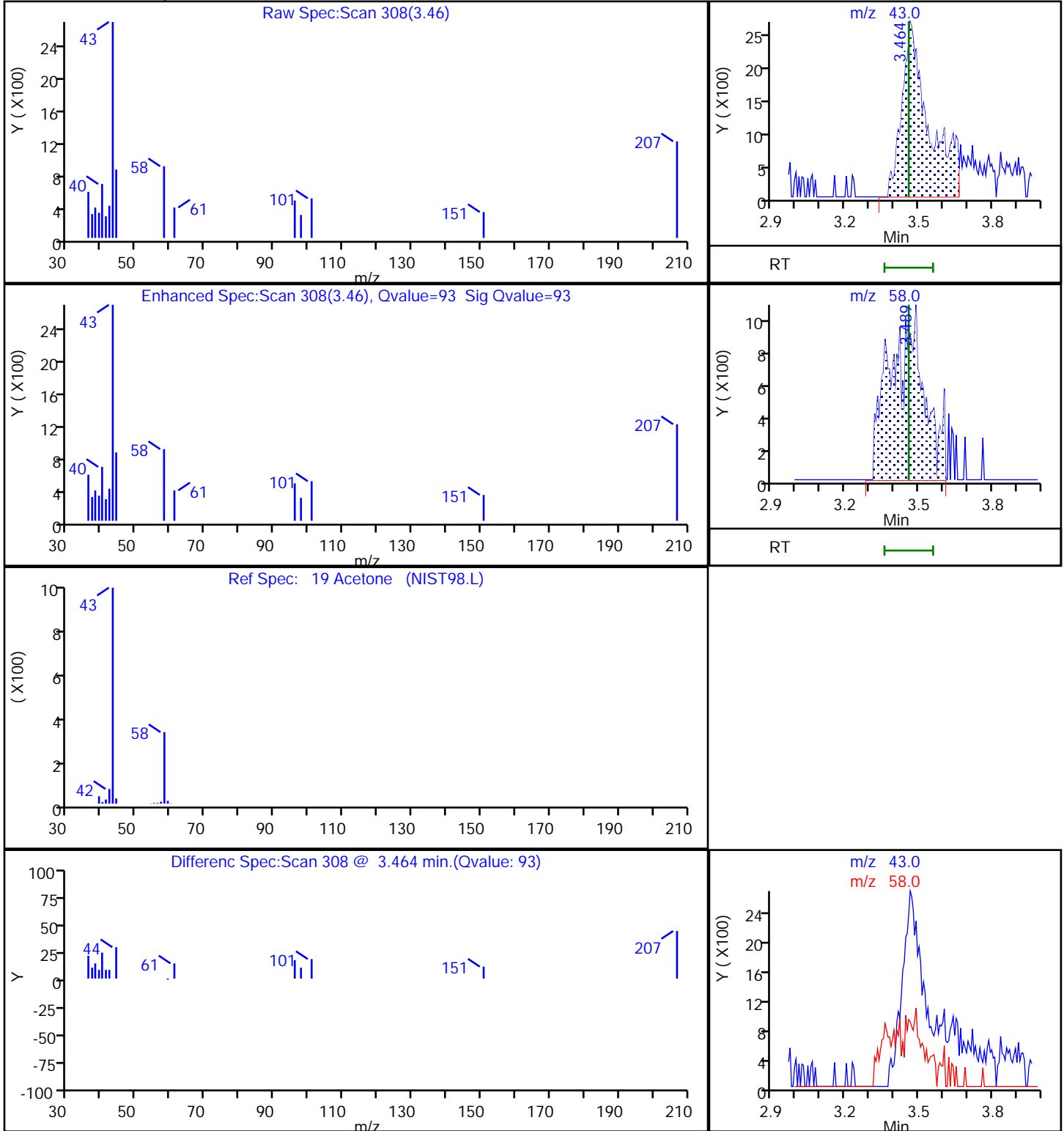
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14

Purge Vol: 25.000 mL Dil. Factor: 1.0000

Method: MSV_16334_25mL Limit Group: MSV - 8260C_D

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

19 Acetone, CAS: 67-64-1



Data File: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\GL05X13.D

Injection Date: 05-Jul-2023 14:02:30

Instrument ID: 16334

Lims ID: 410-131835-B-1

Lab Sample ID: 410-131835-1

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

Operator ID: knk41612

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

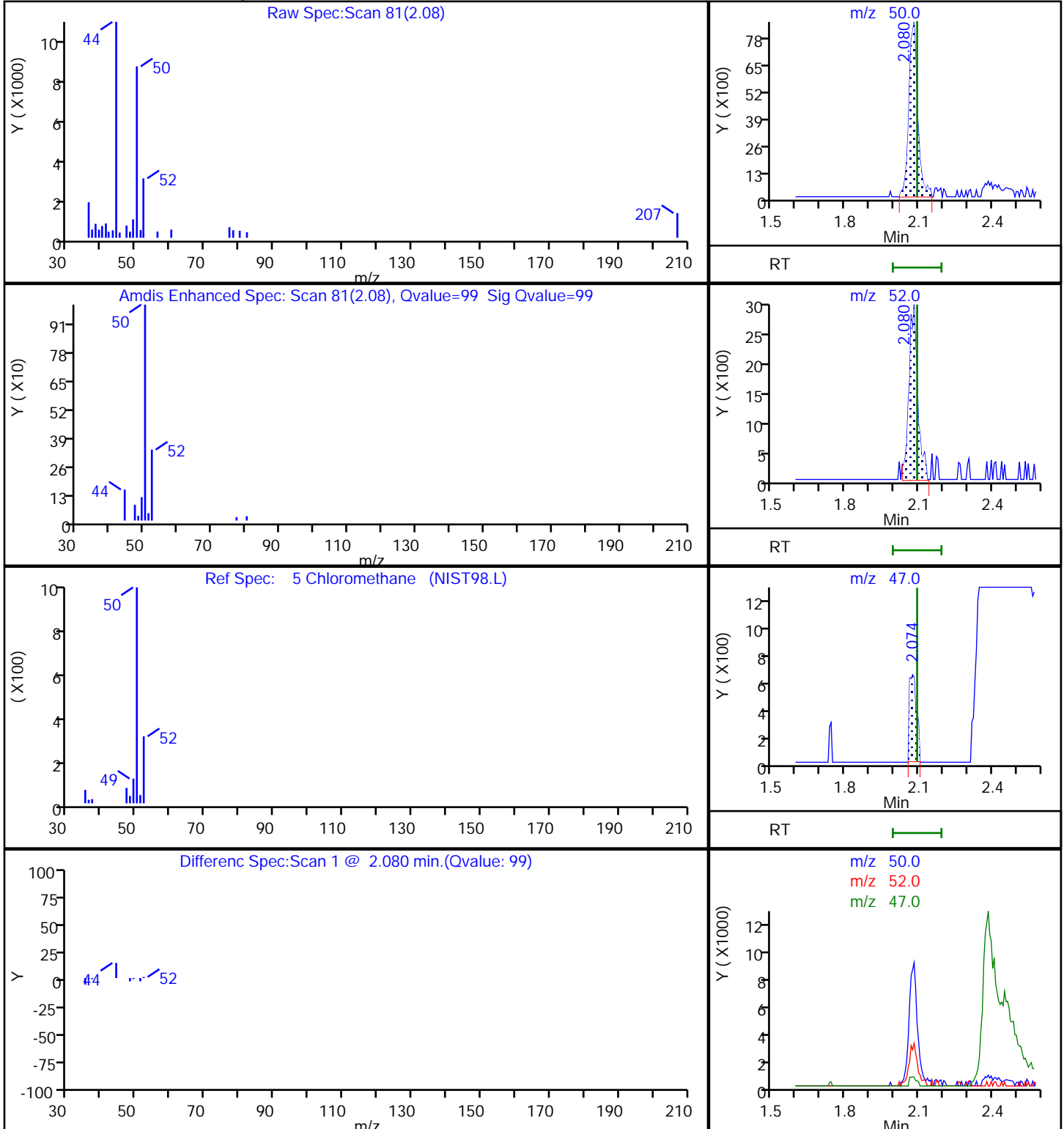
Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

5 Chloromethane, CAS: 74-87-3



Data File: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\GL05X13.D

Injection Date: 05-Jul-2023 14:02:30

Instrument ID: 16334

Lims ID: 410-131835-B-1

Lab Sample ID: 410-131835-1

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

Operator ID: knk41612

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

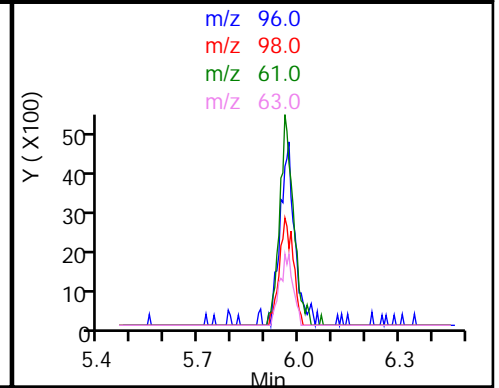
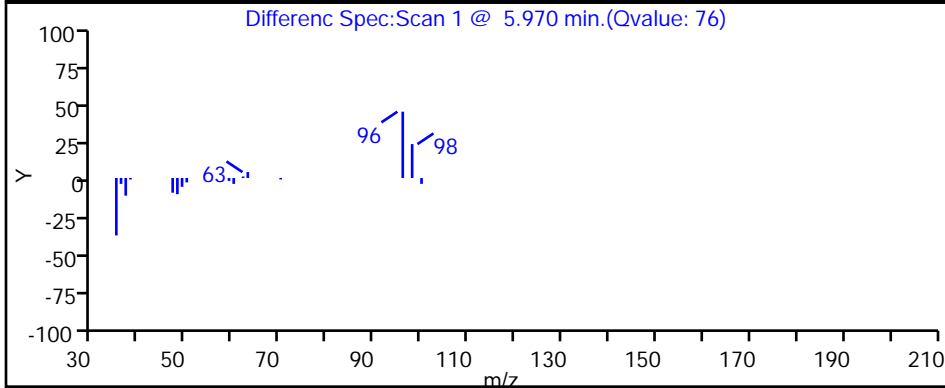
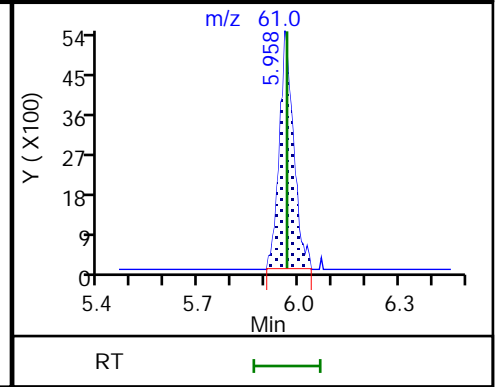
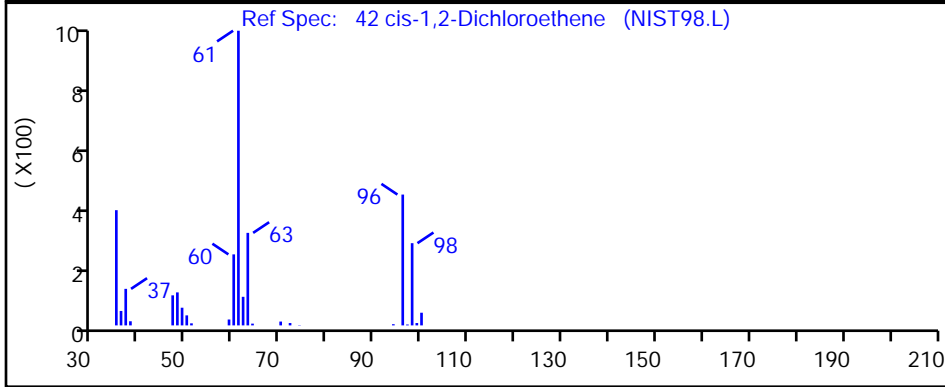
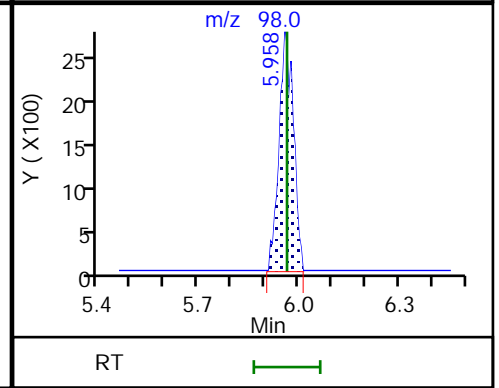
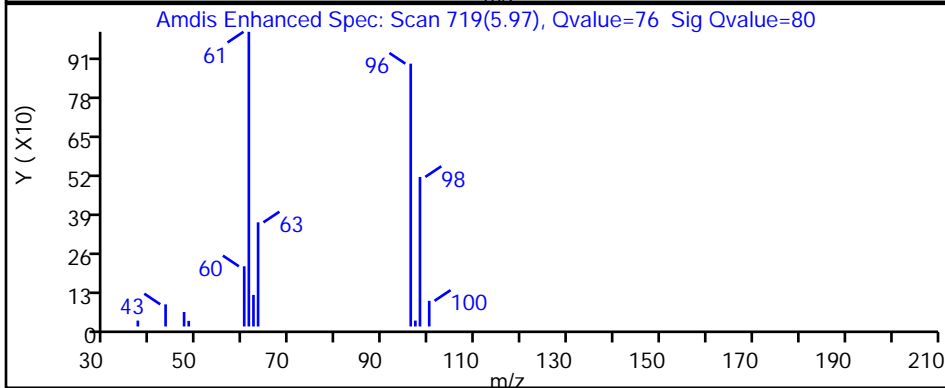
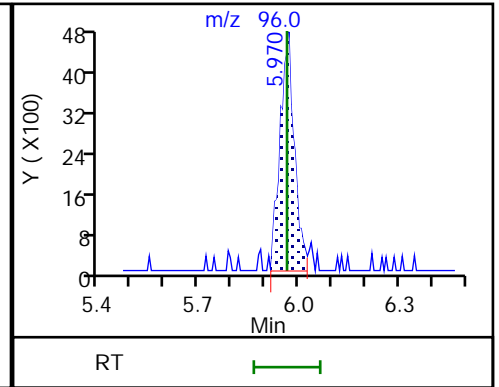
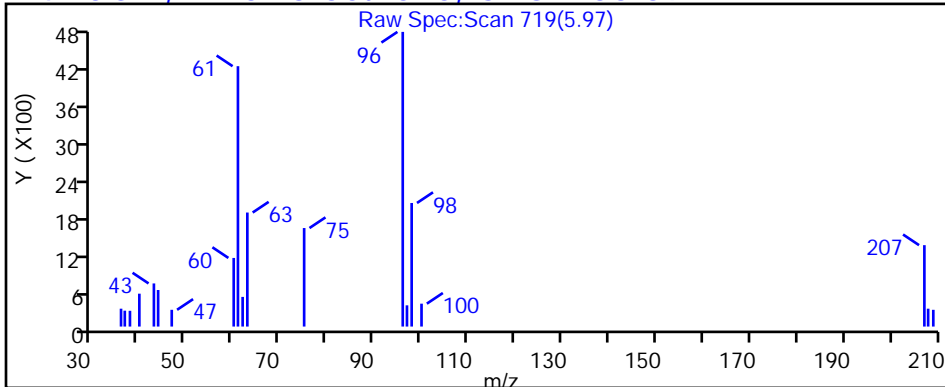
Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

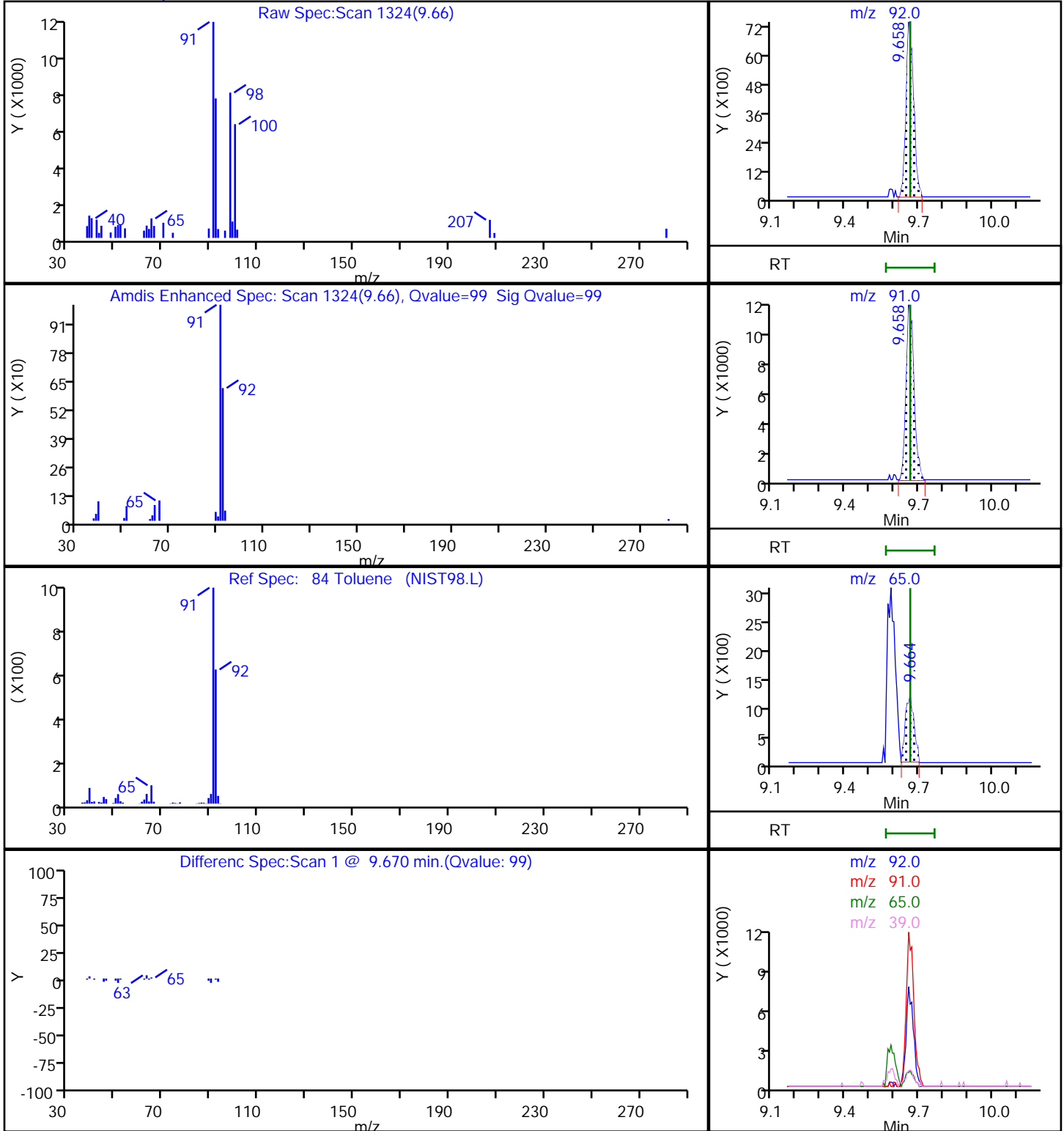
MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\GL05X13.D
Injection Date: 05-Jul-2023 14:02:30 Instrument ID: 16334
Lims ID: 410-131835-B-1 Lab Sample ID: 410-131835-1
Client ID: HD-COD-SW-6-0/1-0
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

84 Toluene, CAS: 108-88-3



Data File: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\GL05X13.D

Injection Date: 05-Jul-2023 14:02:30

Instrument ID: 16334

Lims ID: 410-131835-B-1

Lab Sample ID: 410-131835-1

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

Operator ID: knk41612

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

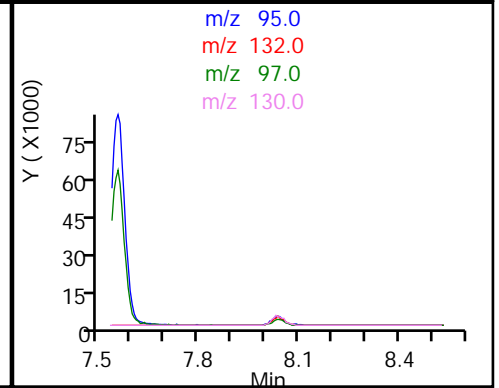
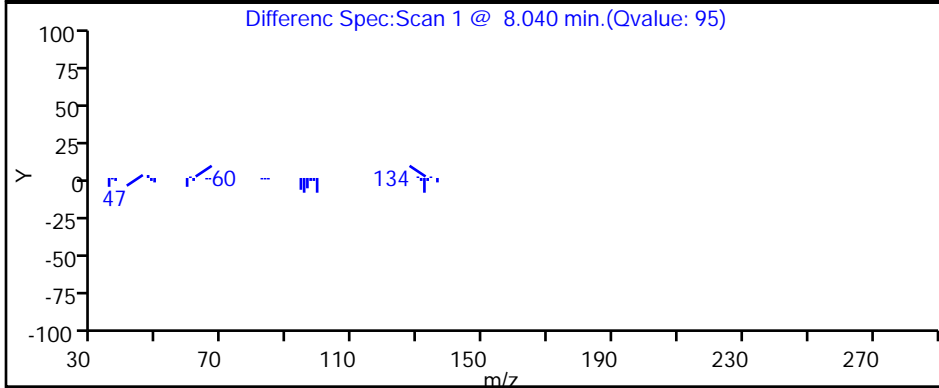
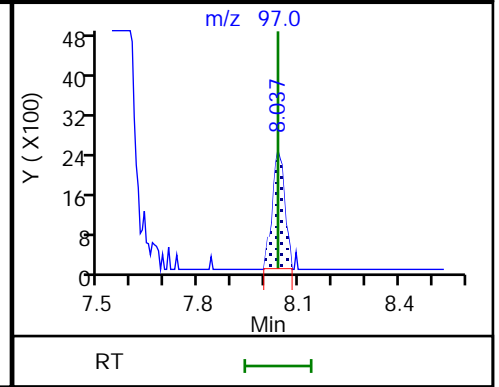
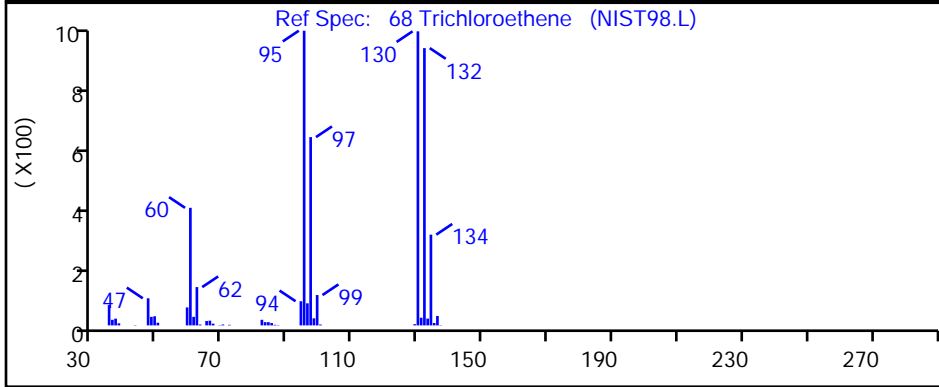
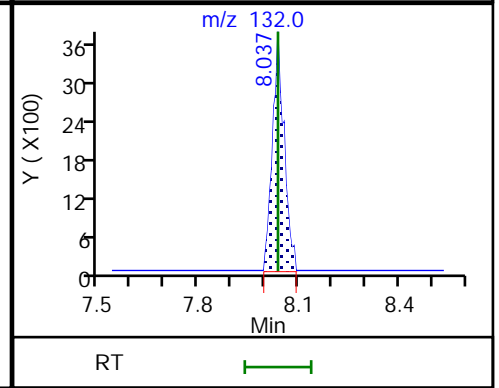
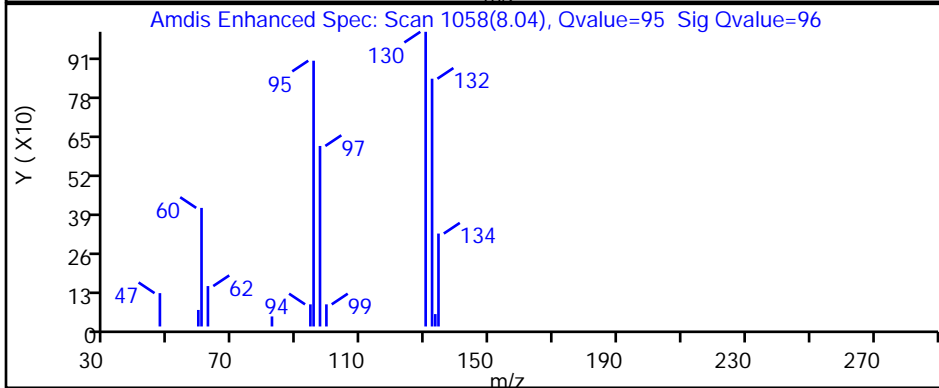
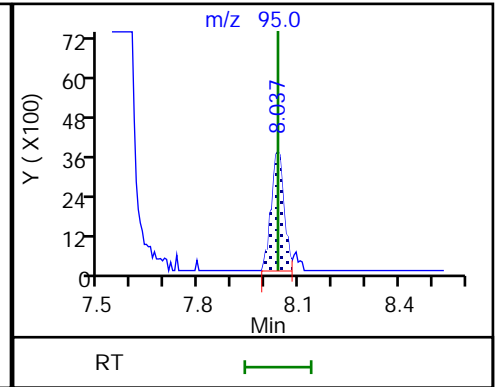
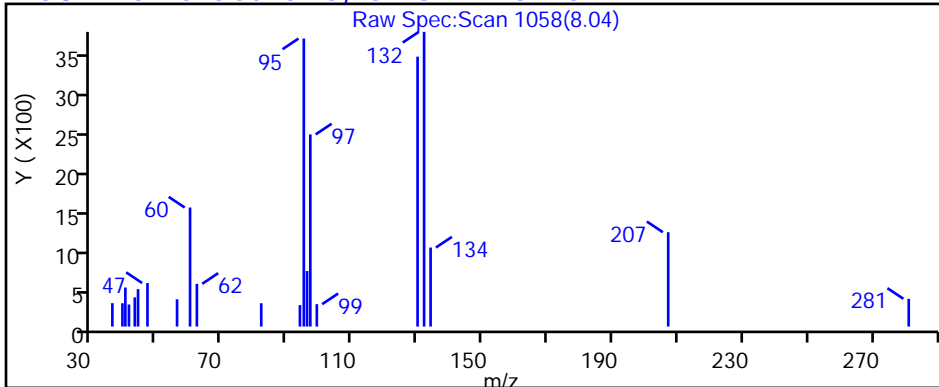
Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

68 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

SDG No.:

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

Lab Sample ID: 410-131835-2

Matrix: Water

Lab File ID: IU29X55.D

Analysis Method: 8260D

Date Collected: 06/21/2023 11:15

Sample wt/vol: 25 (mL)

Date Analyzed: 06/30/2023 06:22

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 392483

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	2.8	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		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.11	J	0.50	0.090
74-87-3	Chloromethane	0.10	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.68		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

SDG No.:

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

Lab Sample ID: 410-131835-2

Matrix: Water

Lab File ID: IU29X55.D

Analysis Method: 8260D

Date Collected: 06/21/2023 11:15

Sample wt/vol: 25 (mL)

Date Analyzed: 06/30/2023 06:22

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 392483

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	0.35	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)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X55.D
 Lims ID: 410-131835-A-2
 Client ID: HD-COD-SW-7-0/1-0
 Sample Type: Client
 Inject. Date: 30-Jun-2023 06:22:30 ALS Bottle#: 25 Worklist Smp#: 26
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0087928-026
 Operator ID: gaw91131 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 08:12:18 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1685

First Level Reviewer: innook

Date: 03-Jul-2023 08:13:29

Compound	Sig	RT (min.)	Exp RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50	2.038	2.038	0.000	94	7210	0.1023	
5 Vinyl chloride	62		2.148				ND	7
7 Bromomethane	94		2.459				ND	7
8 Chloroethane	64		2.532				ND	
15 1,1-Dichloroethene	96		3.330				ND	
16 Acetone	43	3.391	3.361	0.030	95	16231	2.83	
20 Carbon disulfide	76	3.635	3.623	0.012	98	8502	0.0675	
25 Methylene Chloride	84		3.958				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.989	3.971	0.018	34	119796	50.0	
29 Methyl tert-butyl ether	73		4.342				ND	
30 trans-1,2-Dichloroethene	96		4.355				ND	
32 1,1-Dichloroethane	63		5.013				ND	
38 2-Butanone (MEK)	43		5.812				ND	7
39 cis-1,2-Dichloroethene	96	5.873	5.854	0.019	78	39238	0.6822	
46 Chlorobromomethane	128		6.190				ND	
48 Chloroform	83	6.348	6.342	0.006	91	9777	0.1069	
\$ 49 Dibromofluoromethane (Surr)	113	6.568	6.555	0.013	94	448775	10.1	
50 1,1,1-Trichloroethane	97		6.568				ND	
54 Carbon tetrachloride	117		6.781				ND	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.019	7.007	0.012	62	89626	10.2	
57 Benzene	78		7.043				ND	7
58 1,2-Dichloroethane	62		7.110				ND	
* 61 Fluorobenzene (IS)	96	7.451	7.452	-0.001	99	1732049	10.0	
64 Trichloroethene	95	7.945	7.933	0.012	96	19933	0.3503	
66 1,2-Dichloropropane	63		8.262				ND	
71 Dichlorobromomethane	83		8.610				ND	7
76 cis-1,3-Dichloropropene	75		9.171				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.354				ND	7
\$ 78 Toluene-d8 (Surr)	98	9.494	9.494	0.000	92	1791684	9.84	
79 Toluene	92	9.573	9.573	0.000	97	11235	0.0782	
97 trans-1,3-Dichloropropene	75		9.841				ND	
100 1,1,2-Trichloroethane	97		10.049				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.146	10.140	0.006	95	3963	0.0529	
103 2-Hexanone	43		10.268				ND	
105 Chlorodibromomethane	129		10.433				ND	
106 Ethylene Dibromide	107		10.542				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.981	10.981	0.000	84	1416860	10.0	
109 Chlorobenzene	112		11.006				ND	
111 1,1,1,2-Tetrachloroethane	131		11.091				ND	
112 Ethylbenzene	91		11.097				ND	7
113 m-Xylene & p-Xylene	106	11.225	11.213	0.012	90	4811	0.0425	
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.542				ND	7
115 Styrene	104		11.561				ND	
116 Bromoform	173		11.719				ND	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.993	11.993	0.000	96	672636	9.80	
121 1,1,2,2-Tetrachloroethane	83		12.097				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	93	872145	10.0	

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\20230629-87928.b\IU29X55.D

Injection Date: 30-Jun-2023 06:22:30

Instrument ID: 19930

Operator ID: gaw91131

Lims ID: 410-131835-A-2

Lab Sample ID: 410-131835-2

Worklist Smp#: 26

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

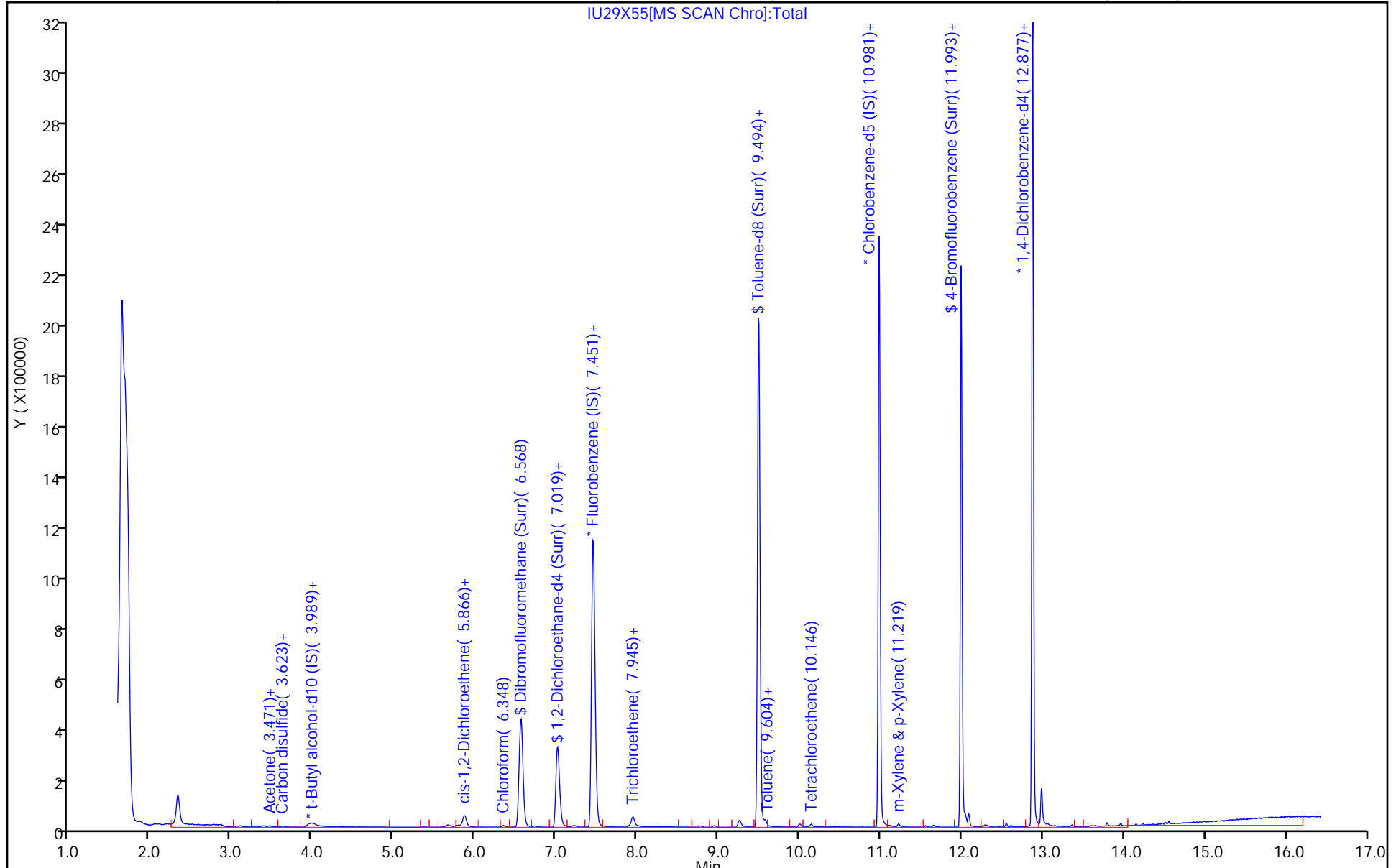
ALS Bottle#: 25

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\20230629-87928.b\IU29X55.D
 Lims ID: 410-131835-A-2
 Client ID: HD-COD-SW-7-0/1-0
 Sample Type: Client
 Inject. Date: 30-Jun-2023 06:22:30 ALS Bottle#: 25 Worklist Smp#: 26
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0087928-026
 Operator ID: gaw91131 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 08:12:18 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1685

First Level Reviewer: innook

Date: 03-Jul-2023 08:13:29

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	10.1	100.87
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	101.60
\$ 78 Toluene-d8 (Surr)	10.0	9.84	98.36
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.80	98.00

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X55.D

Injection Date: 30-Jun-2023 06:22:30

Instrument ID: 19930

Lims ID: 410-131835-A-2

Lab Sample ID: 410-131835-2

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

Operator ID: gaw91131

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

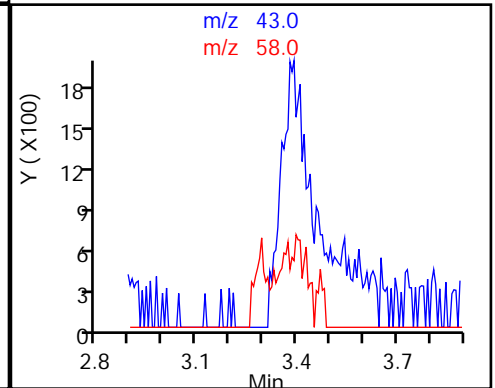
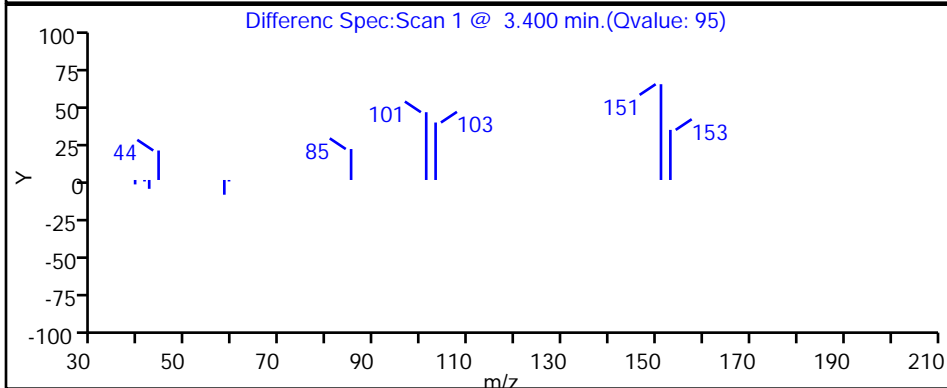
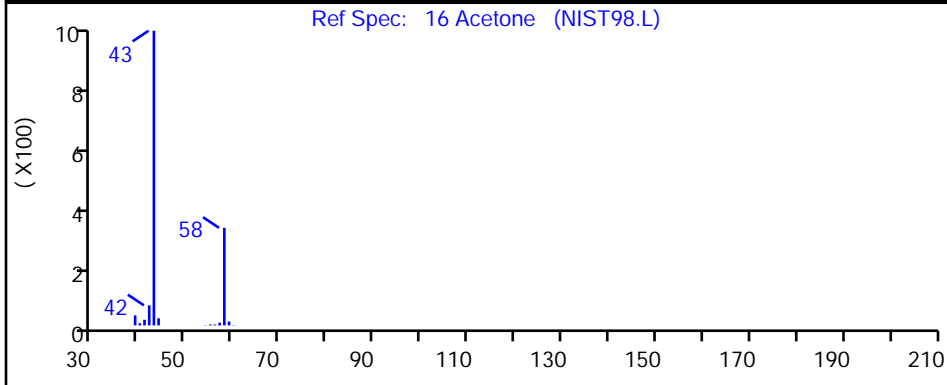
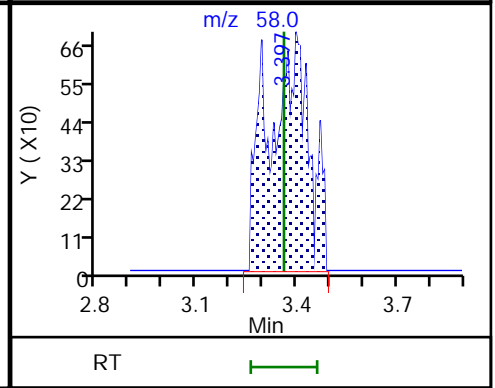
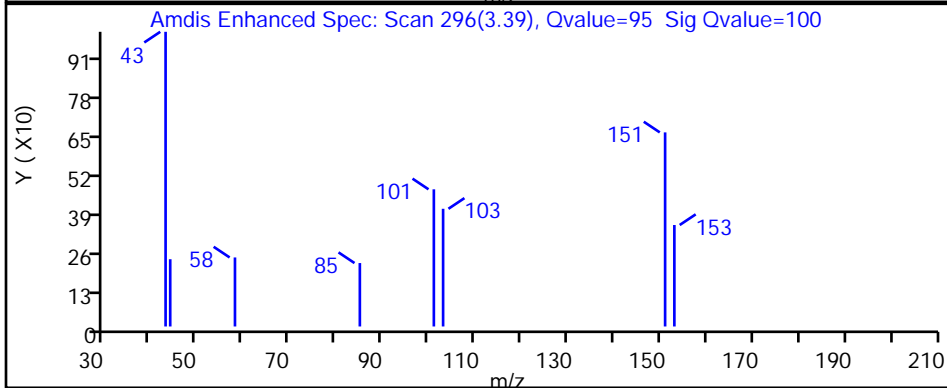
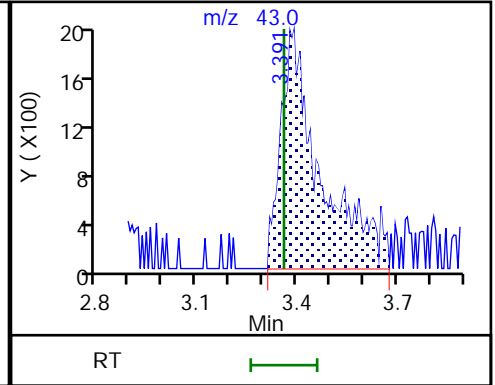
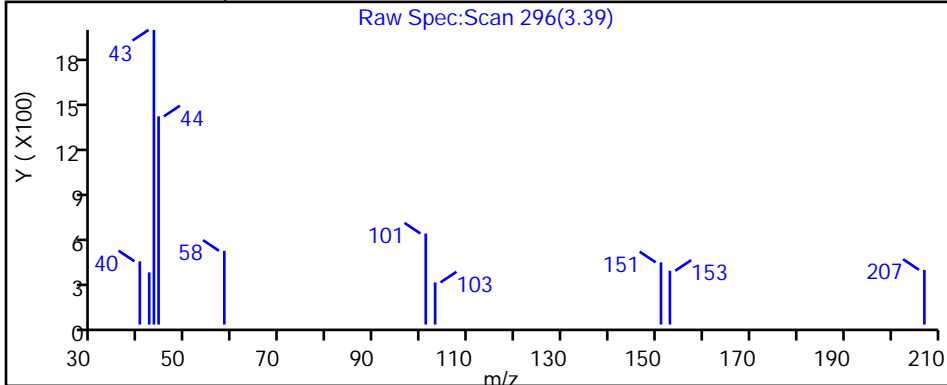
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

16 Acetone, CAS: 67-64-1



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X55.D

Injection Date: 30-Jun-2023 06:22:30

Instrument ID: 19930

Lims ID: 410-131835-A-2

Lab Sample ID: 410-131835-2

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

Operator ID: gaw91131

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

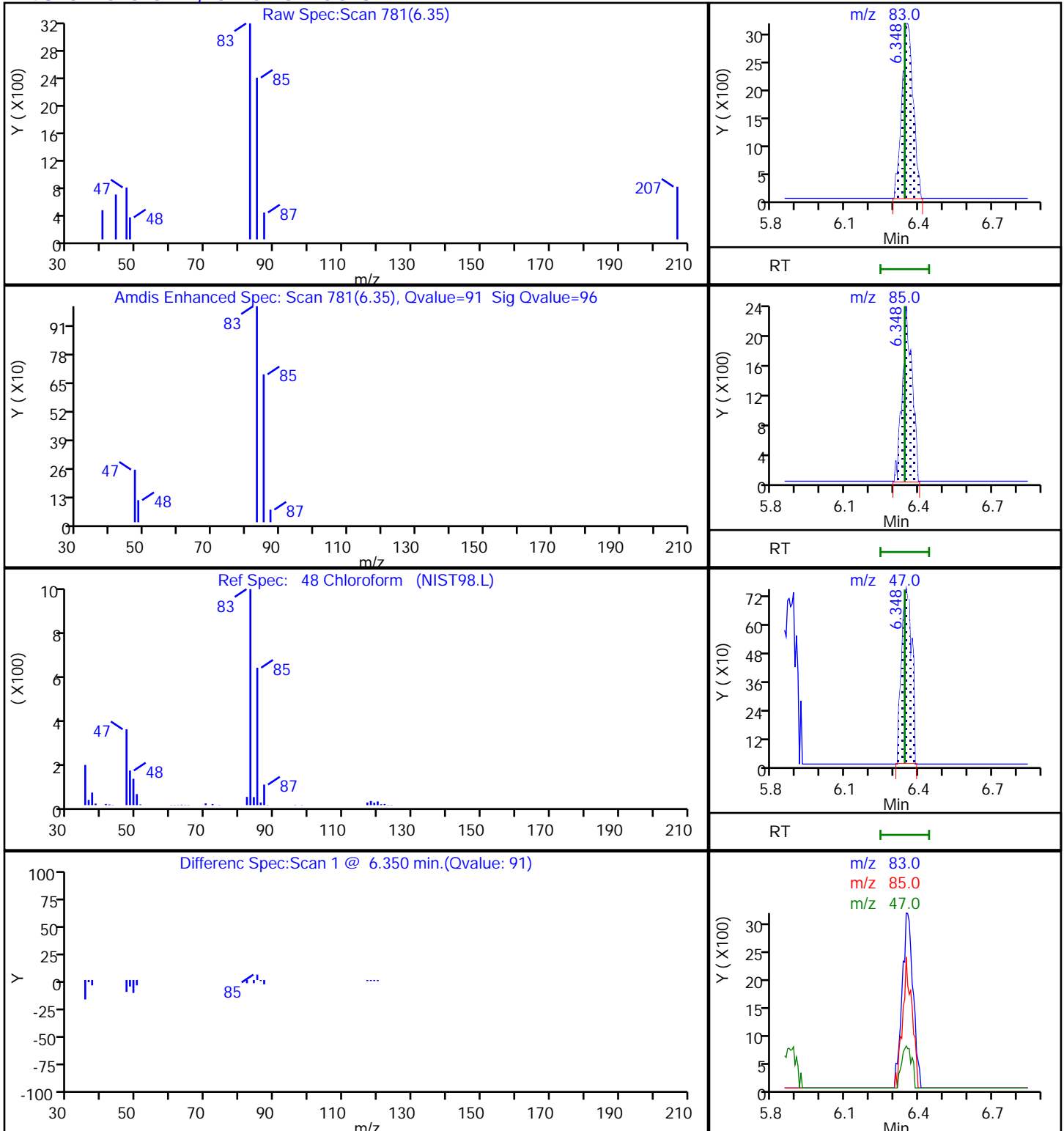
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

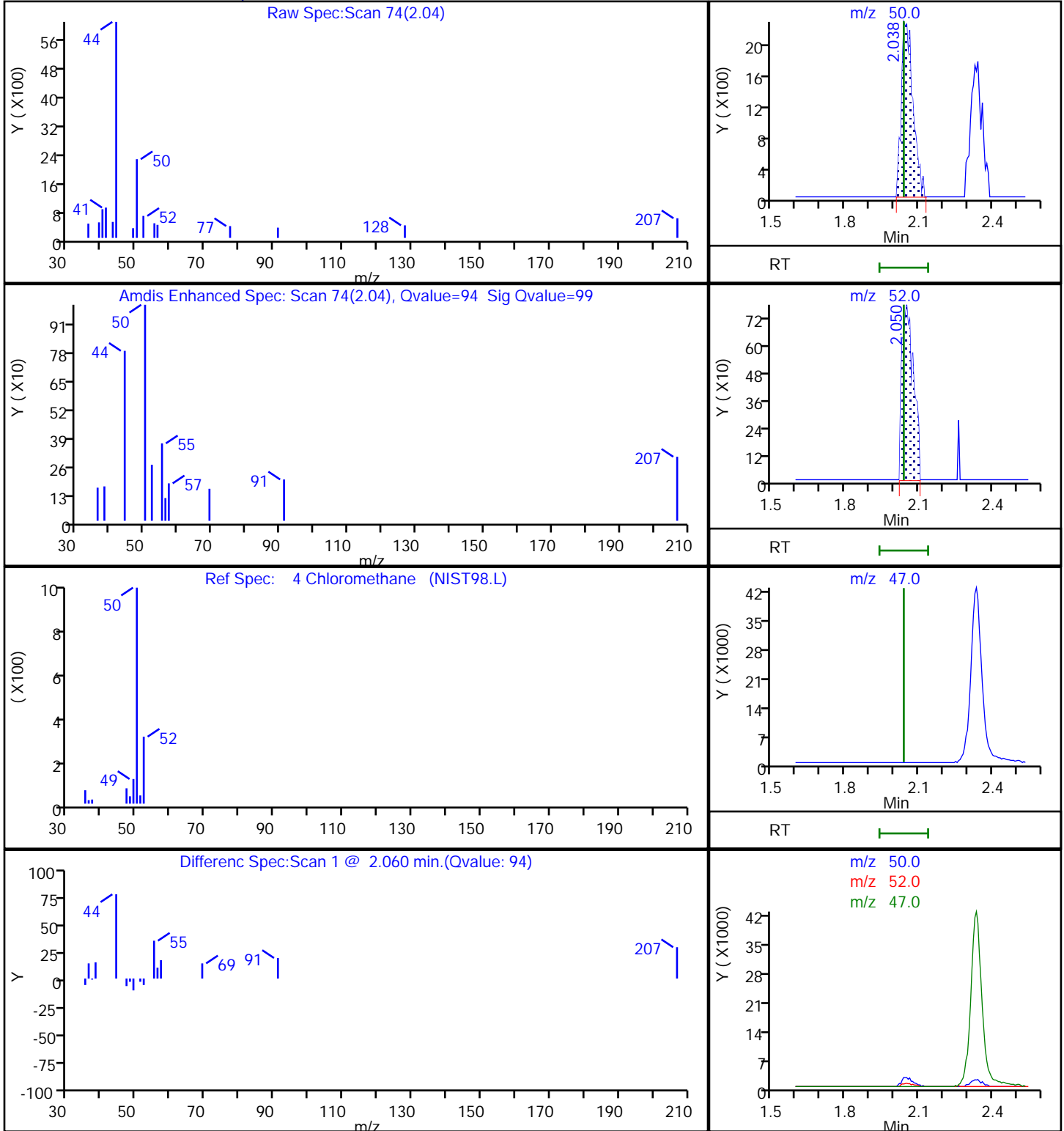
MS Quad

48 Chloroform, CAS: 67-66-3



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X55.D
Injection Date: 30-Jun-2023 06:22:30 Instrument ID: 19930
Lims ID: 410-131835-A-2 Lab Sample ID: 410-131835-2
Client ID: HD-COD-SW-7-0/1-0
Operator ID: gaw91131 ALS Bottle#: 25 Worklist Smp#: 26
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) MS Quad

4 Chloromethane, CAS: 74-87-3



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X55.D

Injection Date: 30-Jun-2023 06:22:30

Instrument ID: 19930

Lims ID: 410-131835-A-2

Lab Sample ID: 410-131835-2

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

Operator ID: gaw91131

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

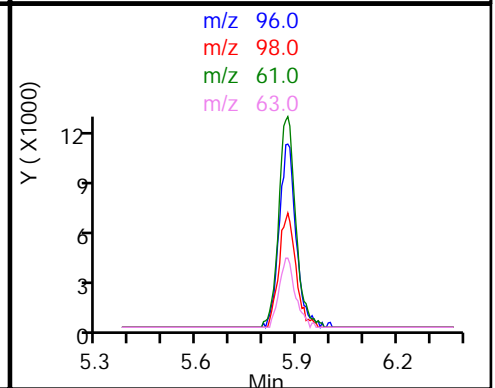
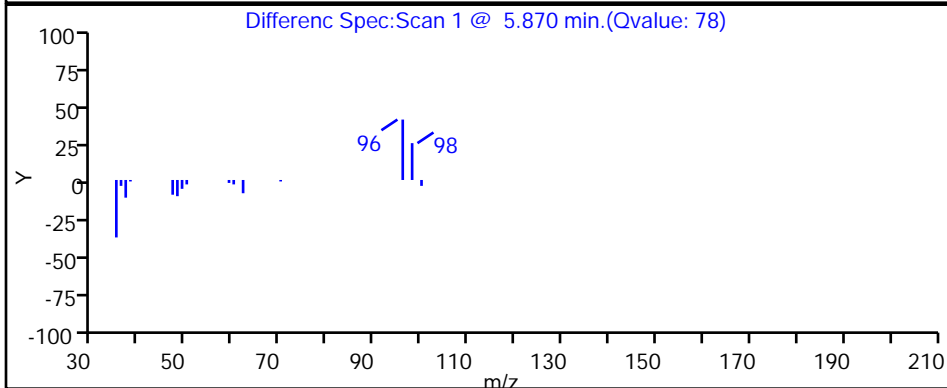
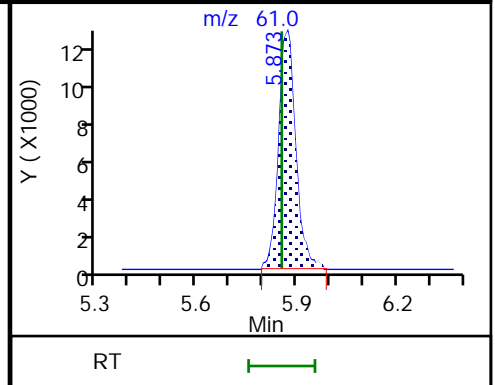
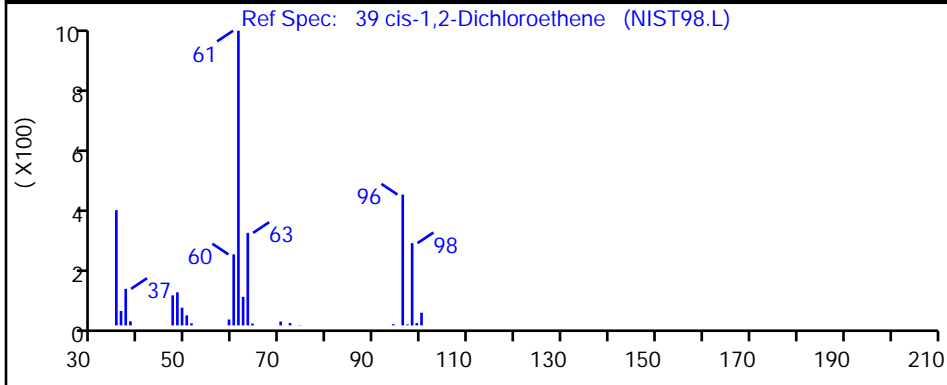
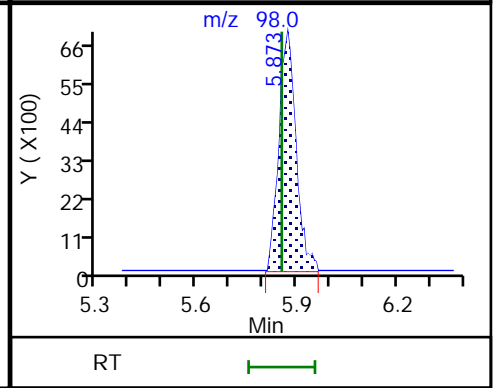
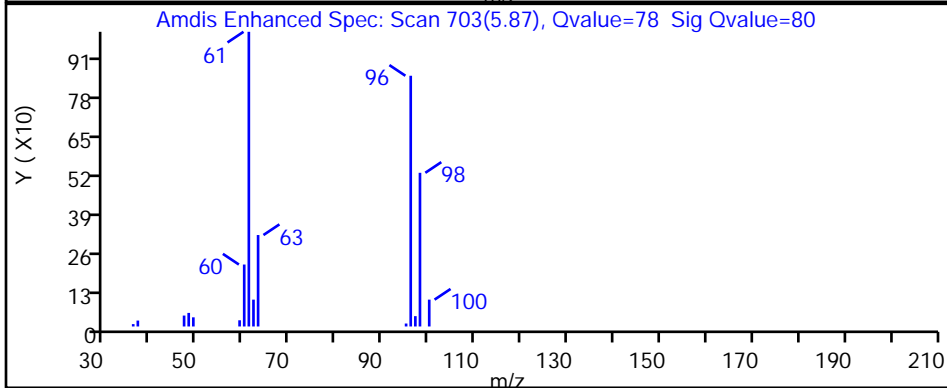
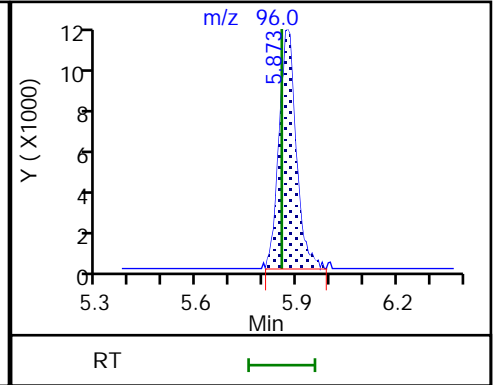
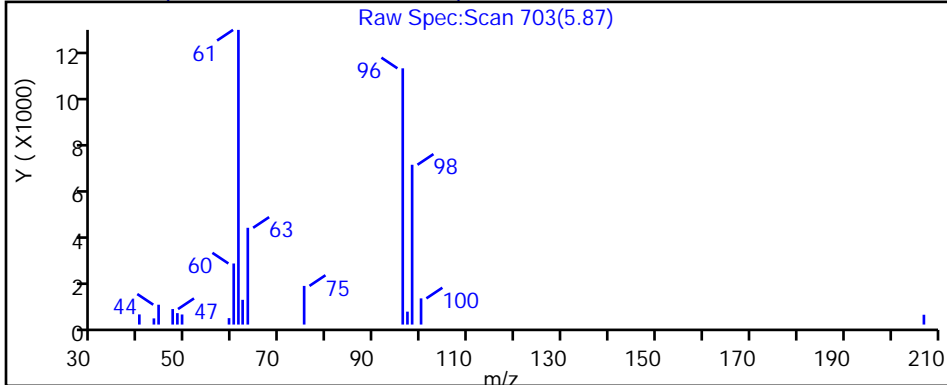
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X55.D

Injection Date: 30-Jun-2023 06:22:30

Instrument ID: 19930

Lims ID: 410-131835-A-2

Lab Sample ID: 410-131835-2

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

Operator ID: gaw91131

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

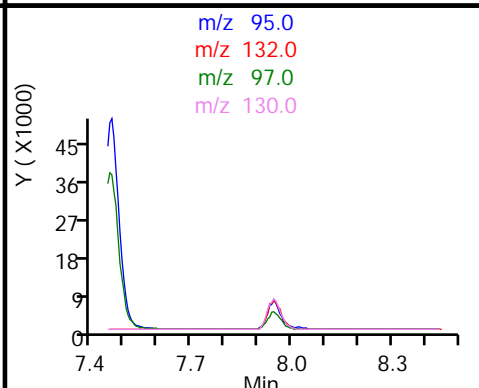
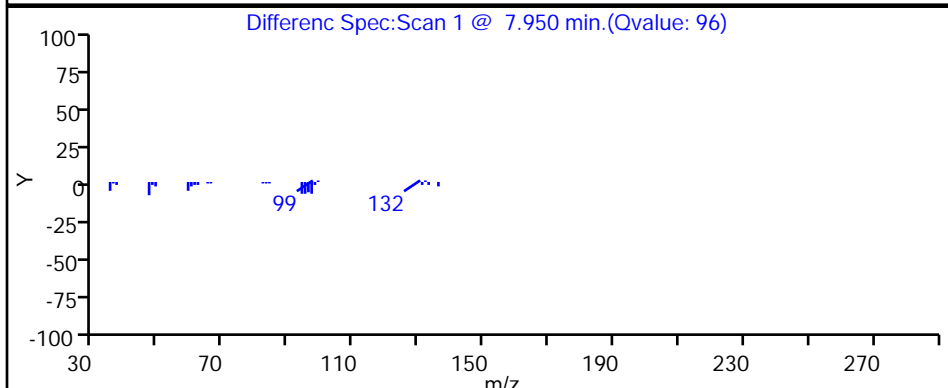
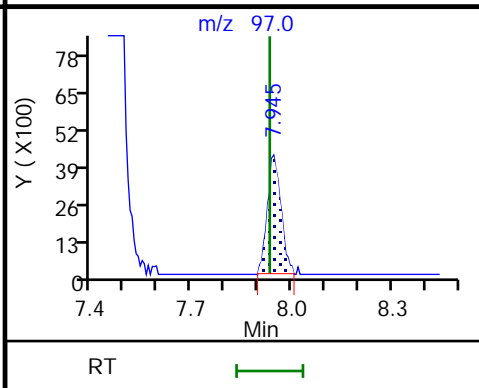
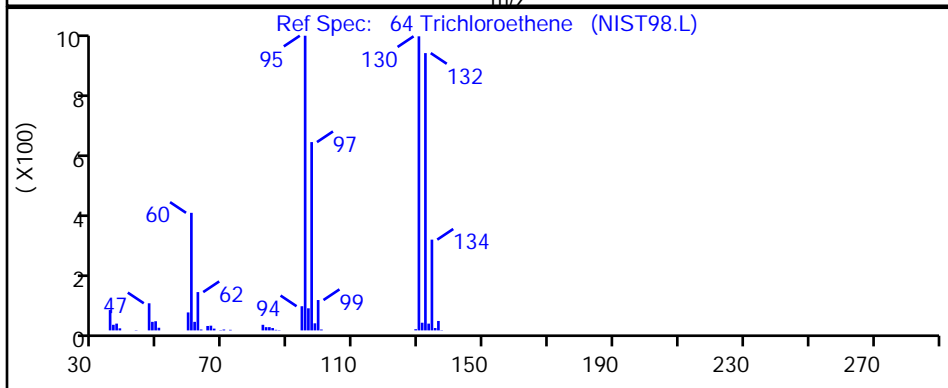
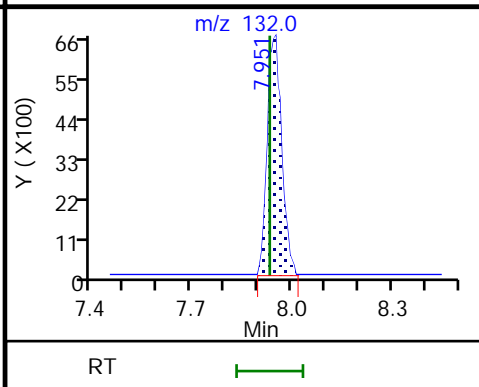
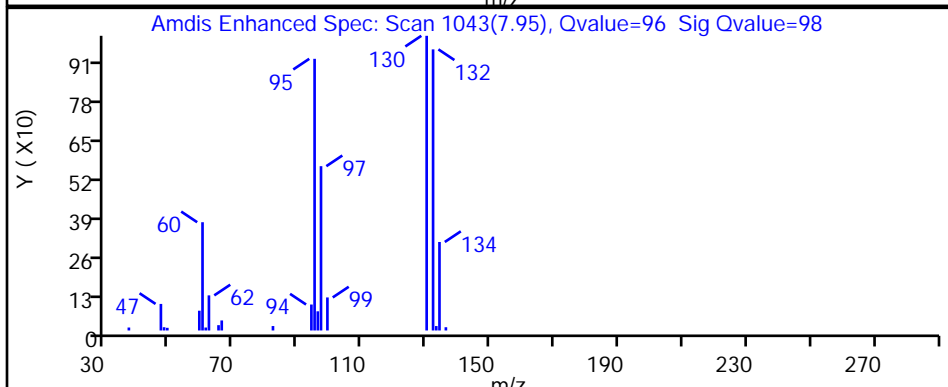
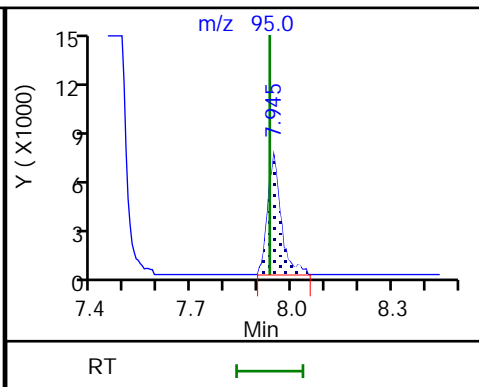
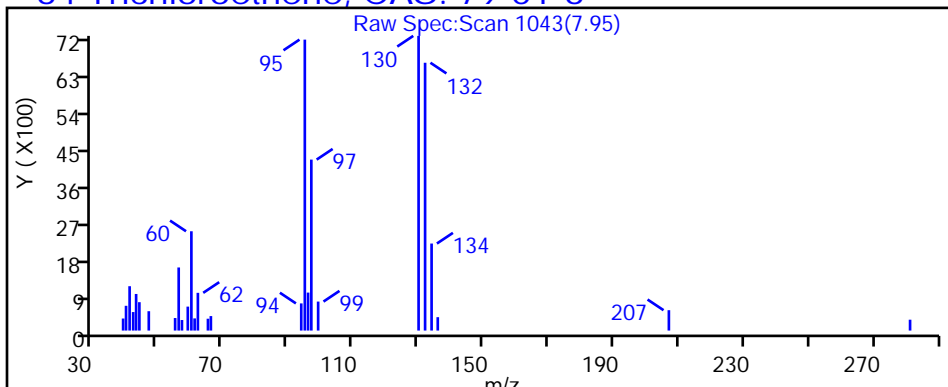
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

64 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

SDG No.:

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

Lab Sample ID: 410-131835-3

Matrix: Water

Lab File ID: IU29X56.D

Analysis Method: 8260D

Date Collected: 06/21/2023 09:05

Sample wt/vol: 25 (mL)

Date Analyzed: 06/30/2023 06:43

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 392483

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	2.4	J	5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	0.12	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.51		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.55		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.: 410-131835-1

SDG No.:

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

Lab Sample ID: 410-131835-3

Matrix: Water

Lab File ID: IU29X56.D

Analysis Method: 8260D

Date Collected: 06/21/2023 09:05

Sample wt/vol: 25 (mL)

Date Analyzed: 06/30/2023 06:43

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 392483

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	0.28	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)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X56.D
 Lims ID: 410-131835-A-3
 Client ID: HD-COD-SW-8-0/1-0
 Sample Type: Client
 Inject. Date: 30-Jun-2023 06:43:30 ALS Bottle#: 26 Worklist Smp#: 27
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0087928-027
 Operator ID: gaw91131 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 08:12:18 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1685

First Level Reviewer: innook Date: 03-Jul-2023 08:14:26

Compound	Sig	RT (min.)	Exp RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50	2.050	2.038	0.012	96	8438	0.1190	
5 Vinyl chloride	62		2.148				ND	7
7 Bromomethane	94		2.459				ND	
8 Chloroethane	64		2.532				ND	
15 1,1-Dichloroethene	96		3.330				ND	
16 Acetone	43	3.379	3.361	0.018	98	11819	2.39	
20 Carbon disulfide	76	3.635	3.623	0.012	97	5593	0.0441	
25 Methylene Chloride	84		3.958				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.976	3.971	0.005	22	103346	50.0	
29 Methyl tert-butyl ether	73		4.342				ND	
30 trans-1,2-Dichloroethene	96		4.355				ND	
32 1,1-Dichloroethane	63		5.013				ND	
38 2-Butanone (MEK)	43		5.812				ND	
39 cis-1,2-Dichloroethene	96	5.872	5.854	0.018	77	29623	0.5117	
46 Chlorobromomethane	128		6.190				ND	
48 Chloroform	83	6.354	6.342	0.012	90	7960	0.0864	
\$ 49 Dibromofluoromethane (Surr)	113	6.567	6.555	0.012	94	446471	9.97	
50 1,1,1-Trichloroethane	97	6.580	6.568	0.012	35	4286	0.0498	
54 Carbon tetrachloride	117		6.781				ND	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.019	7.007	0.012	62	89111	10.0	
57 Benzene	78		7.043				ND	
58 1,2-Dichloroethane	62		7.110				ND	
* 61 Fluorobenzene (IS)	96	7.451	7.452	-0.001	99	1743305	10.0	
64 Trichloroethene	95	7.939	7.933	0.006	95	16114	0.2814	
66 1,2-Dichloropropane	63		8.262				ND	
71 Dichlorobromomethane	83		8.610				ND	7
76 cis-1,3-Dichloropropene	75		9.171				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.354				ND	
\$ 78 Toluene-d8 (Surr)	98	9.500	9.494	0.006	93	1786115	9.80	
79 Toluene	92	9.579	9.573	0.006	97	4832	0.0336	
97 trans-1,3-Dichloropropene	75		9.841				ND	
100 1,1,2-Trichloroethane	97		10.049				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.140	10.140	0.000	96	41242	0.5500	
103 2-Hexanone	43		10.268				ND	
105 Chlorodibromomethane	129		10.433				ND	
106 Ethylene Dibromide	107		10.542				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.981	10.981	0.000	84	1417650	10.0	
109 Chlorobenzene	112		11.006				ND	
111 1,1,1,2-Tetrachloroethane	131		11.091				ND	
112 Ethylbenzene	91		11.097				ND	
113 m-Xylene & p-Xylene	106		11.213				ND	7
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.542				ND	
115 Styrene	104		11.561				ND	
116 Bromoform	173		11.719				ND	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.993	11.993	0.000	96	675546	9.84	
121 1,1,2,2-Tetrachloroethane	83		12.097				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	93	878525	10.0	

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\20230629-87928.b\IU29X56.D

Injection Date: 30-Jun-2023 06:43:30

Instrument ID: 19930

Operator ID: gaw91131

Lims ID: 410-131835-A-3

Lab Sample ID: 410-131835-3

Worklist Smp#: 27

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

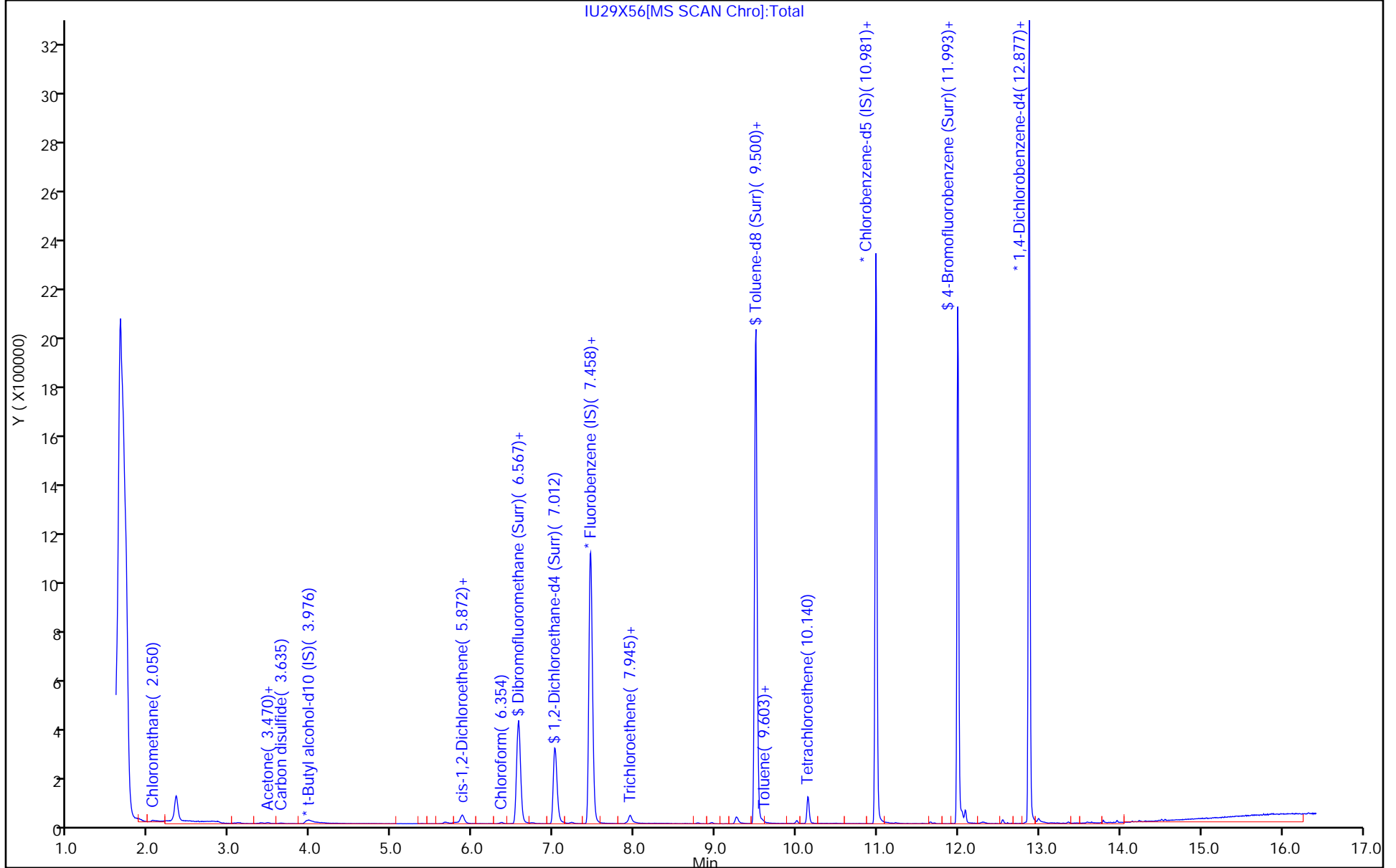
ALS Bottle#: 26

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\20230629-87928.b\IU29X56.D
 Lims ID: 410-131835-A-3
 Client ID: HD-COD-SW-8-0/1-0
 Sample Type: Client
 Inject. Date: 30-Jun-2023 06:43:30 ALS Bottle#: 26 Worklist Smp#: 27
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0087928-027
 Operator ID: gaw91131 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 08:12:18 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1685

First Level Reviewer: innook Date: 03-Jul-2023 08:14:26

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	9.97	99.71
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.0	100.37
\$ 78 Toluene-d8 (Surr)	10.0	9.80	98.00
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.84	98.36

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X56.D

Injection Date: 30-Jun-2023 06:43:30

Instrument ID: 19930

Lims ID: 410-131835-A-3

Lab Sample ID: 410-131835-3

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

Operator ID: gaw91131

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

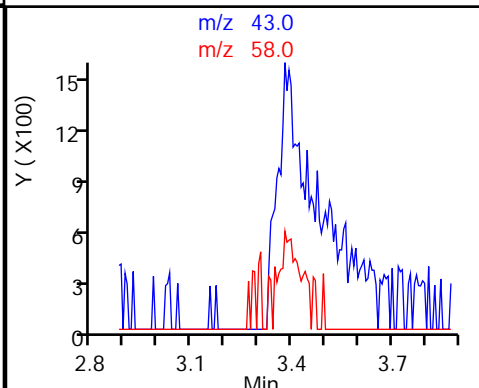
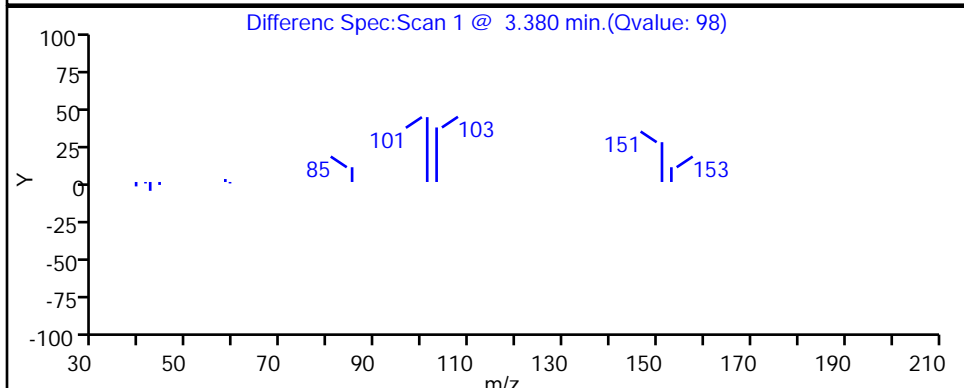
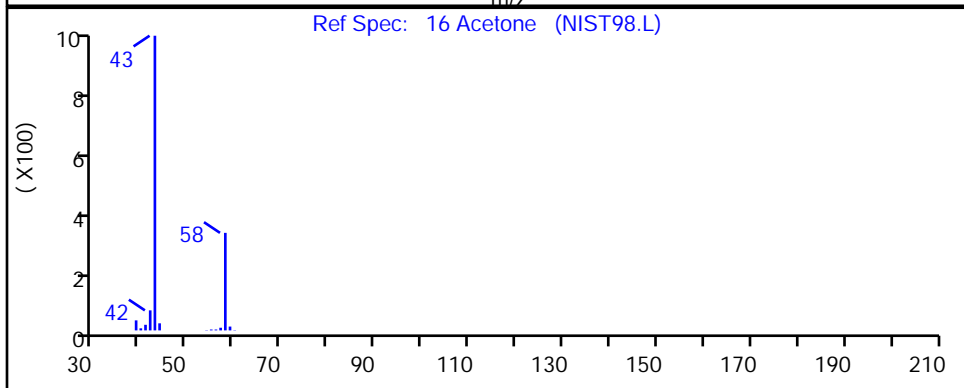
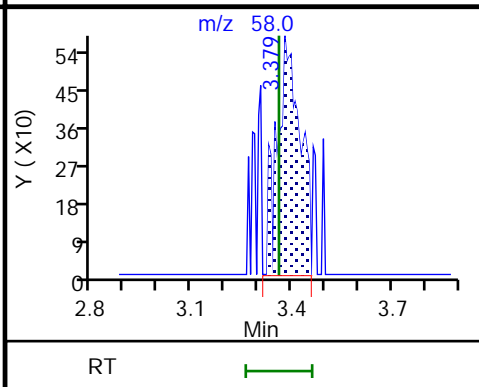
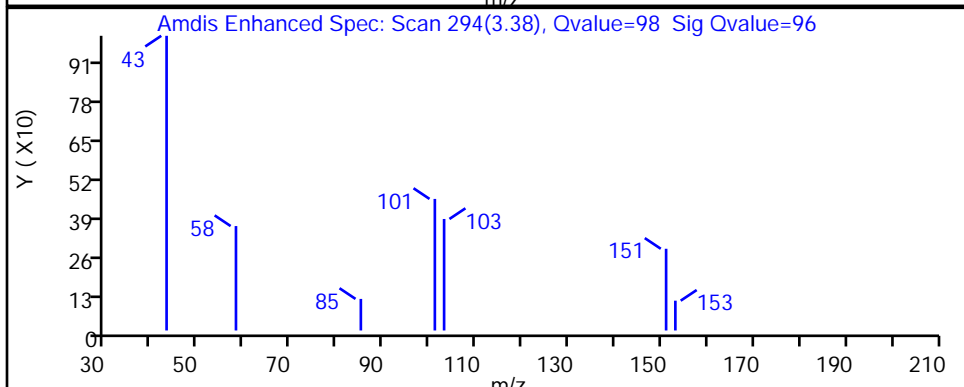
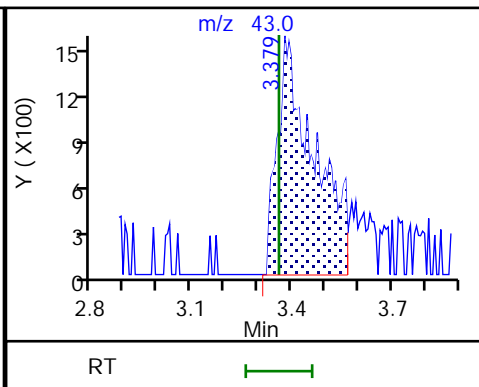
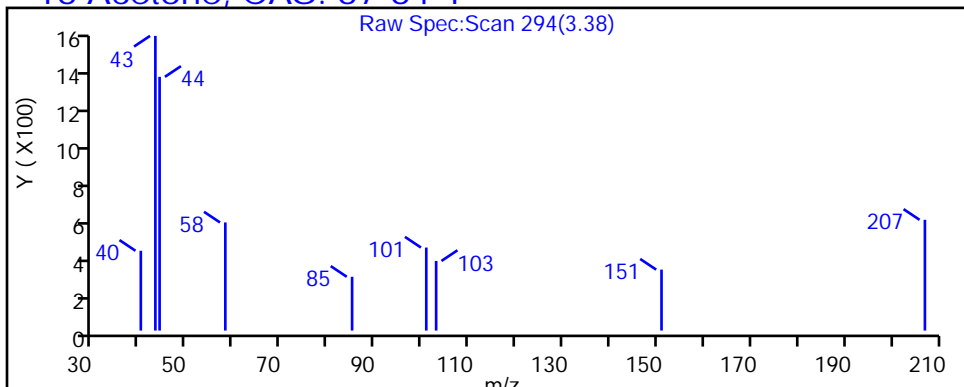
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

16 Acetone, CAS: 67-64-1



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X56.D

Injection Date: 30-Jun-2023 06:43:30

Instrument ID: 19930

Lims ID: 410-131835-A-3

Lab Sample ID: 410-131835-3

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

Operator ID: gaw91131

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

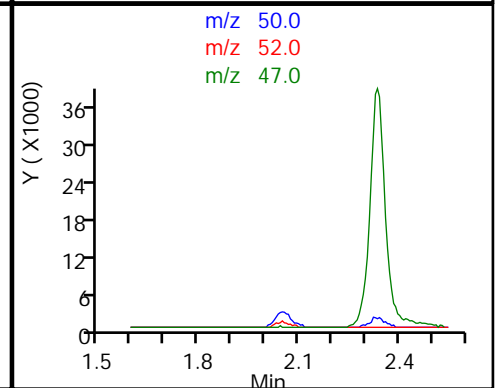
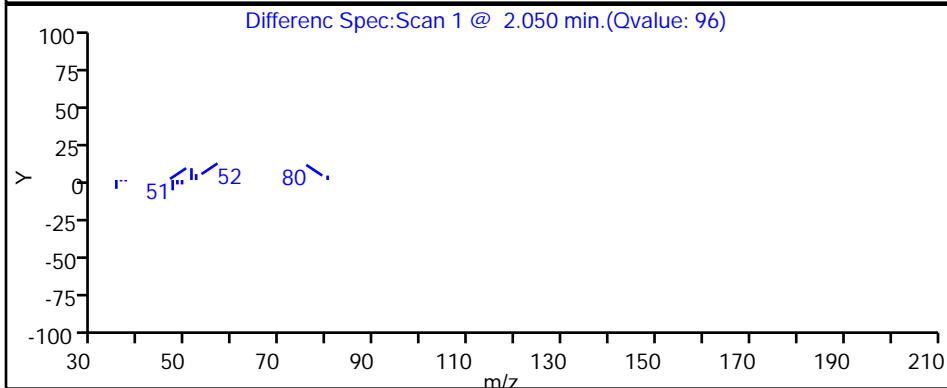
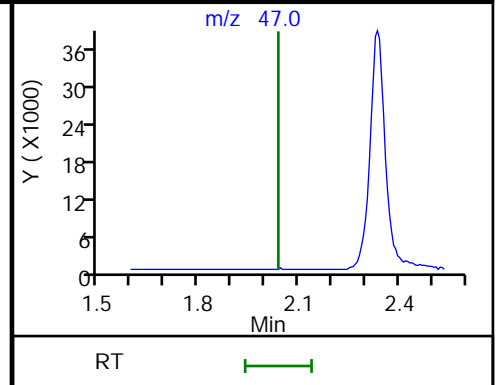
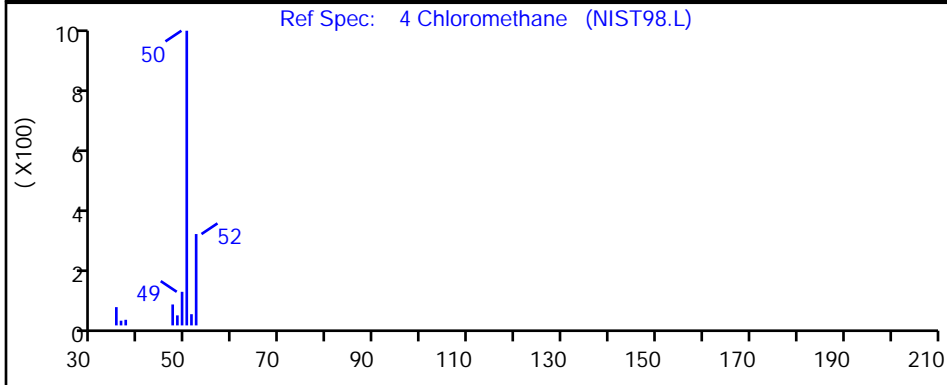
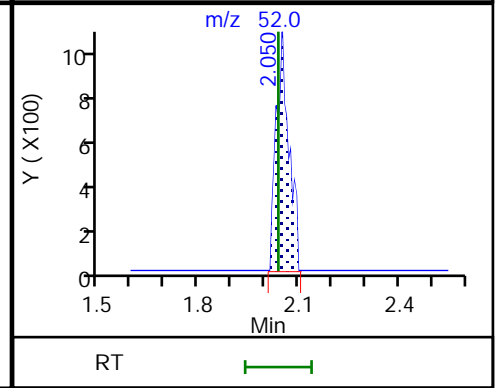
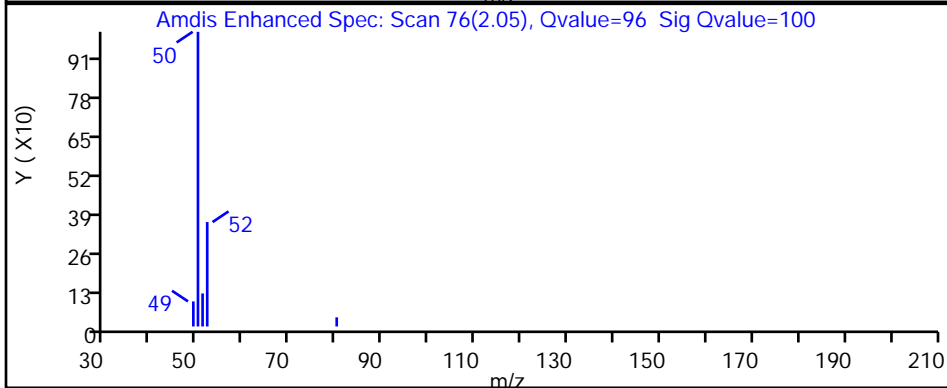
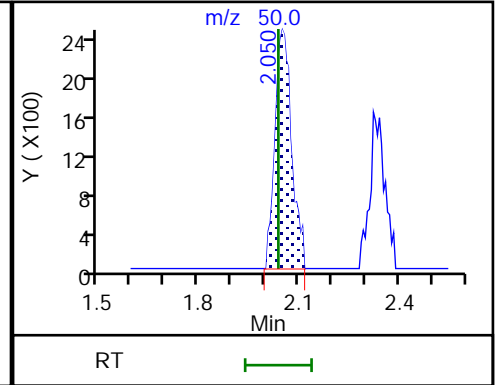
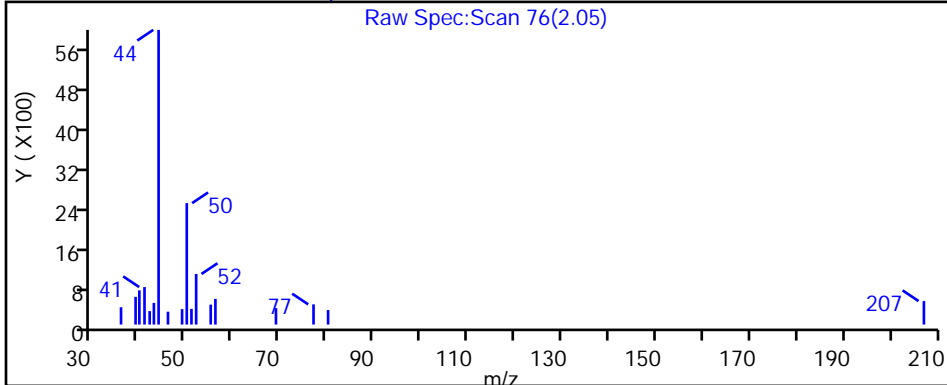
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

4 Chloromethane, CAS: 74-87-3



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X56.D

Injection Date: 30-Jun-2023 06:43:30

Instrument ID: 19930

Lims ID: 410-131835-A-3

Lab Sample ID: 410-131835-3

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

Operator ID: gaw91131

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

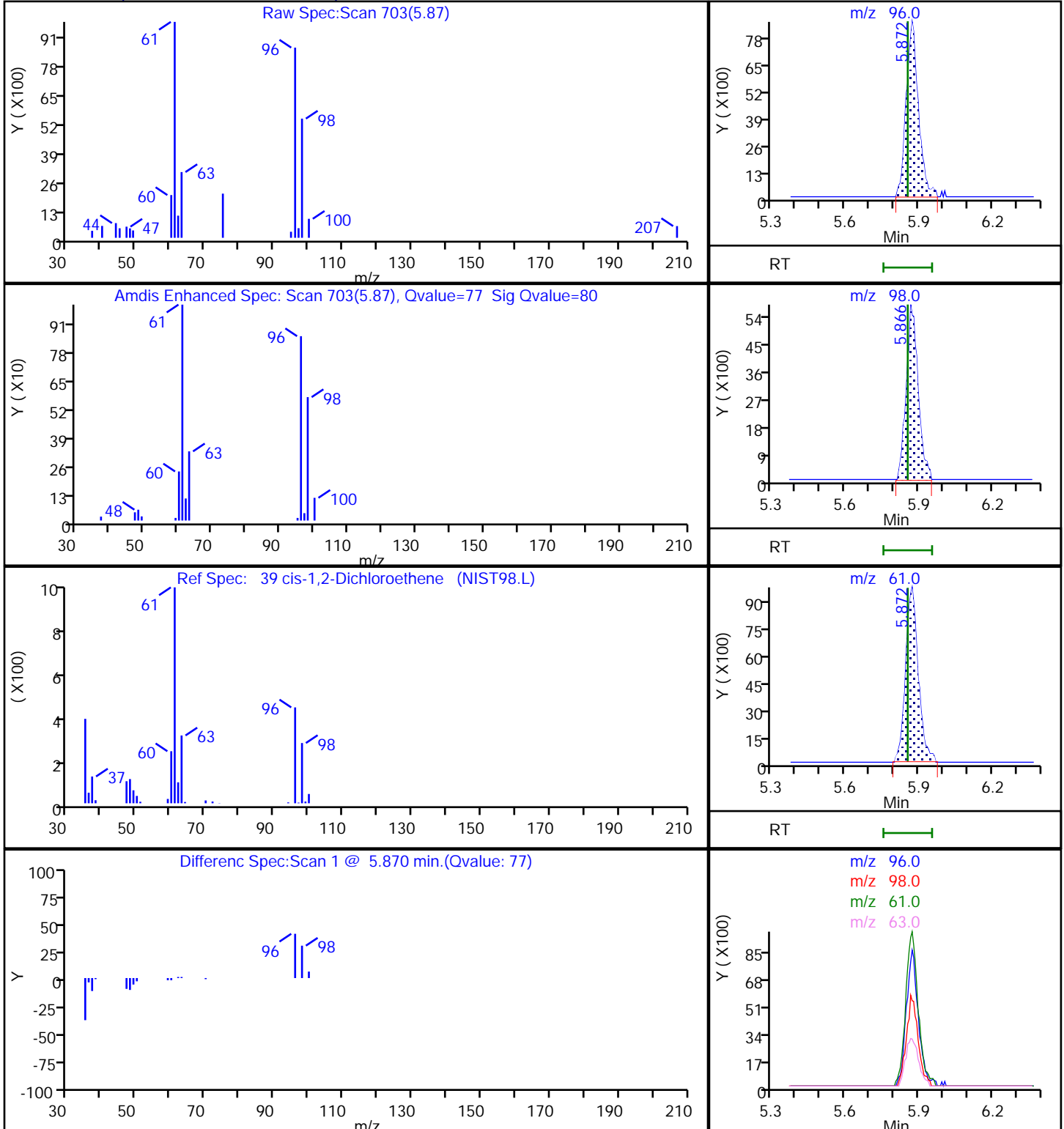
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X56.D

Injection Date: 30-Jun-2023 06:43:30

Instrument ID: 19930

Lims ID: 410-131835-A-3

Lab Sample ID: 410-131835-3

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

Operator ID: gaw91131

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

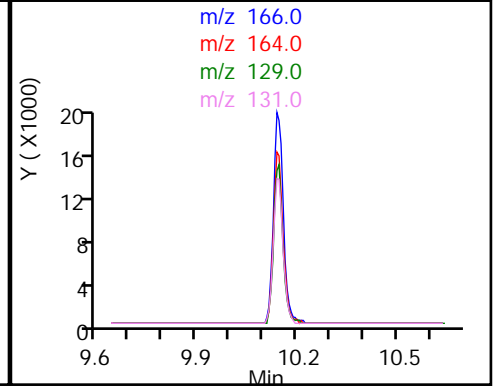
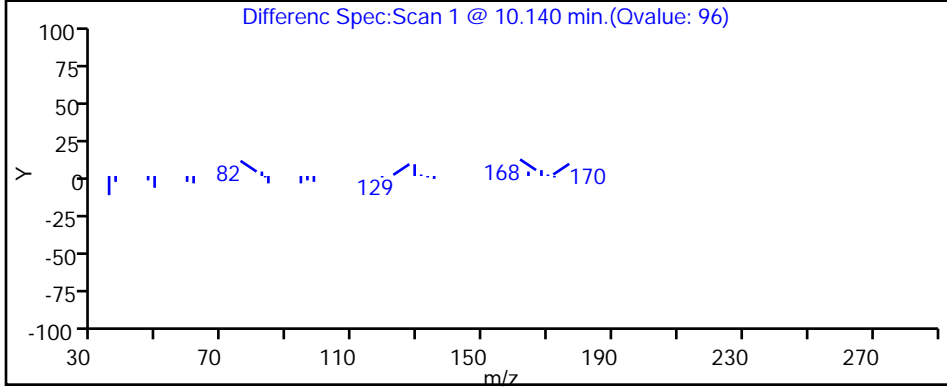
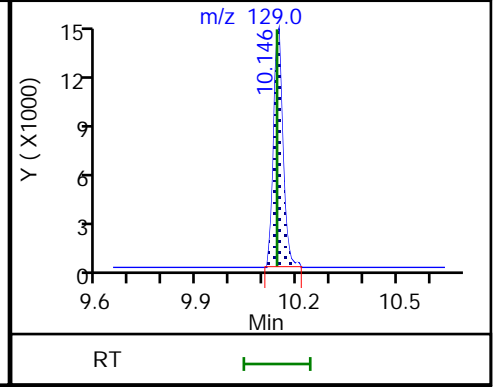
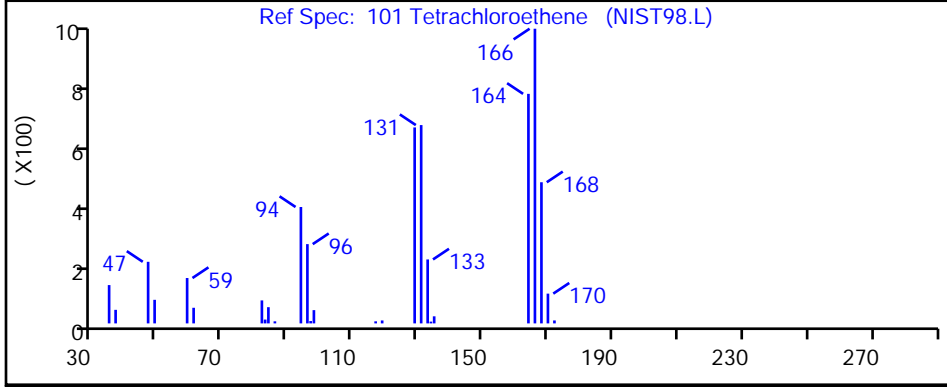
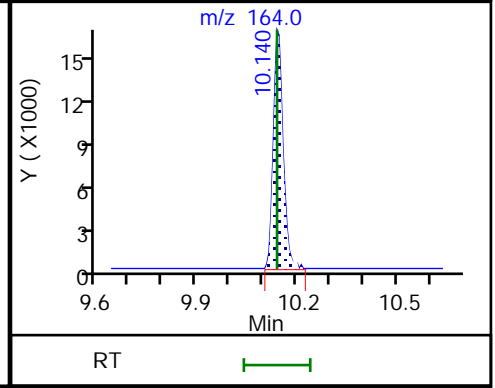
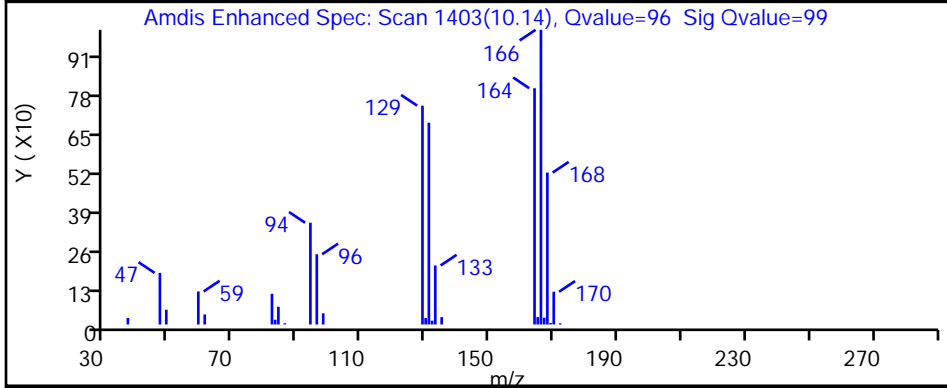
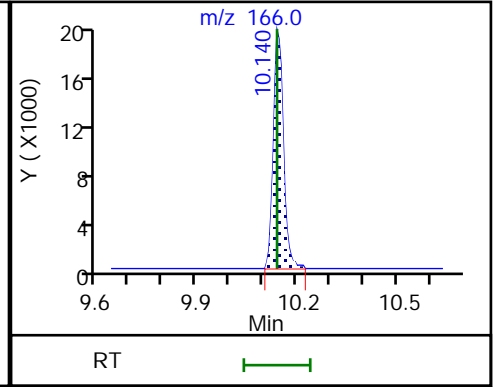
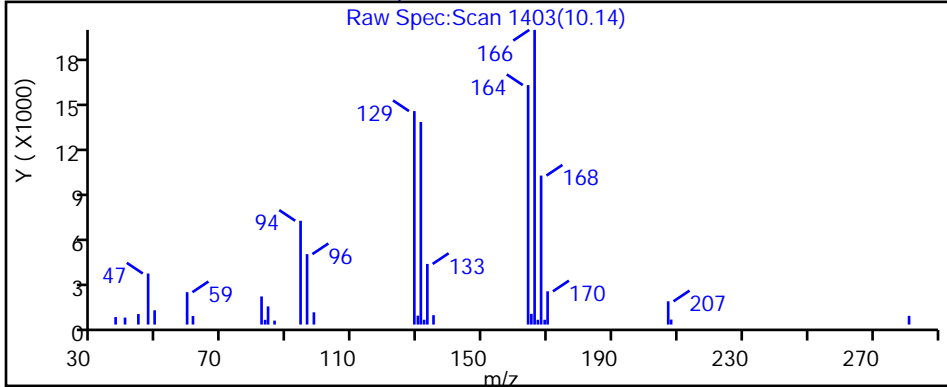
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

101 Tetrachloroethene, CAS: 127-18-4



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X56.D

Injection Date: 30-Jun-2023 06:43:30

Instrument ID: 19930

Lims ID: 410-131835-A-3

Lab Sample ID: 410-131835-3

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

Operator ID: gaw91131

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

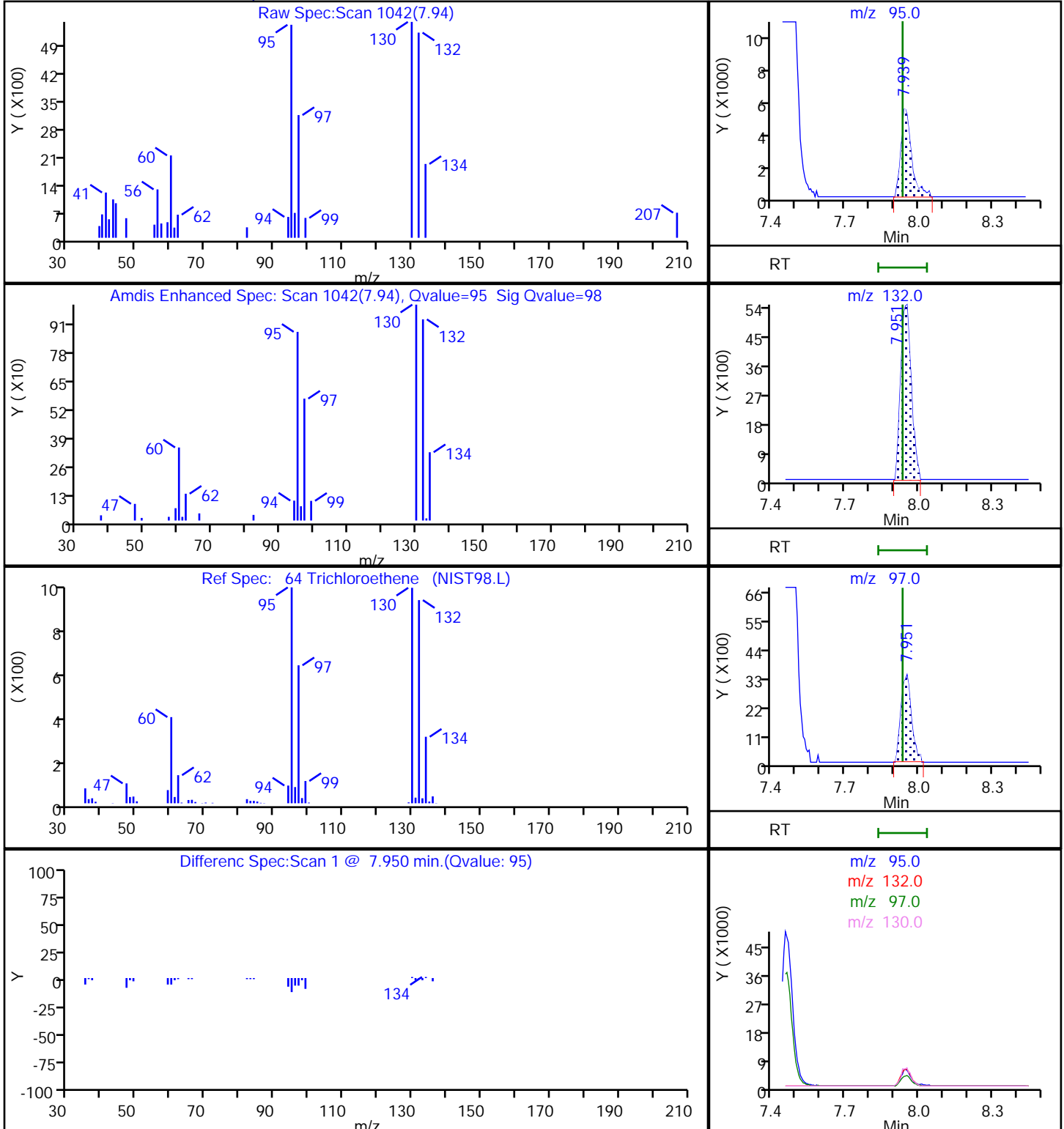
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

64 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

SDG No.:

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

Lab Sample ID: 410-131835-4

Matrix: Water

Lab File ID: IU29X57.D

Analysis Method: 8260D

Date Collected: 06/21/2023 12:35

Sample wt/vol: 25 (mL)

Date Analyzed: 06/30/2023 07:04

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.: 392483

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	3.7	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		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	0.22	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.35	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20
108-88-3	Toluene	0.14	J	0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

SDG No.:

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

Lab Sample ID: 410-131835-4

Matrix: Water

Lab File ID: IU29X57.D

Analysis Method: 8260D

Date Collected: 06/21/2023 12:35

Sample wt/vol: 25 (mL)

Date Analyzed: 06/30/2023 07:04

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.: 392483

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	0.15	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)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
 Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X57.D
 Lims ID: 410-131835-A-4
 Client ID: HD-COD-SW-9-0/1-0
 Sample Type: Client
 Inject. Date: 30-Jun-2023 07:04:30 ALS Bottle#: 27 Worklist Smp#: 28
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0087928-028
 Operator ID: gaw91131 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 08:12:18 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1685

First Level Reviewer: innook Date: 03-Jul-2023 08:15:58

Compound	Sig	RT (min.)	Exp RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50	2.050	2.038	0.012	98	15196	0.2198	
5 Vinyl chloride	62		2.148				ND	
7 Bromomethane	94		2.459				ND	
8 Chloroethane	64		2.532				ND	
15 1,1-Dichloroethene	96		3.330				ND	
16 Acetone	43	3.373	3.361	0.012	96	20091	3.67	
20 Carbon disulfide	76	3.629	3.623	0.006	98	11416	0.0923	
25 Methylene Chloride	84		3.958				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.983	3.971	0.012	26	114536	50.0	
29 Methyl tert-butyl ether	73		4.342				ND	
30 trans-1,2-Dichloroethene	96		4.355				ND	
32 1,1-Dichloroethane	63		5.013				ND	
38 2-Butanone (MEK)	43		5.812				ND	7
39 cis-1,2-Dichloroethene	96	5.866	5.854	0.012	77	19740	0.3497	
46 Chlorobromomethane	128		6.190				ND	
48 Chloroform	83	6.354	6.342	0.012	89	6824	0.0760	
\$ 49 Dibromofluoromethane (Surr)	113	6.561	6.555	0.006	94	433575	9.93	
50 1,1,1-Trichloroethane	97		6.568				ND	
54 Carbon tetrachloride	117		6.781				ND	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.013	7.007	0.006	62	86294	9.97	
57 Benzene	78		7.043				ND	7
58 1,2-Dichloroethane	62		7.110				ND	
* 61 Fluorobenzene (IS)	96	7.452	7.452	0.000	99	1699810	10.0	
64 Trichloroethene	95	7.945	7.933	0.012	94	8383	0.1501	
66 1,2-Dichloropropane	63		8.262				ND	
71 Dichlorobromomethane	83		8.610				ND	7
76 cis-1,3-Dichloropropene	75		9.171				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.354				ND	7
\$ 78 Toluene-d8 (Surr)	98	9.494	9.494	0.000	93	1723029	9.76	
79 Toluene	92	9.573	9.573	0.000	98	19574	0.1406	
97 trans-1,3-Dichloropropene	75		9.841				ND	
100 1,1,2-Trichloroethane	97		10.049				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.140	10.140	0.000	96	11265	0.1551	
103 2-Hexanone	43		10.268				ND	
105 Chlorodibromomethane	129		10.433				ND	
106 Ethylene Dibromide	107		10.542				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.981	10.981	0.000	84	1373339	10.0	
109 Chlorobenzene	112		11.006				ND	
111 1,1,1,2-Tetrachloroethane	131		11.091				ND	
112 Ethylbenzene	91		11.097				ND	7
113 m-Xylene & p-Xylene	106	11.213	11.213	0.000	93	10010	0.0912	
S 110 Xylenes, Total	106				0		0.1254	
114 o-Xylene	106	11.548	11.542	0.006	95	3715	0.0342	
115 Styrene	104	11.585	11.561	0.024	91	5293	0.0303	
116 Bromoform	173		11.719				ND	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.993	11.993	0.000	96	663932	9.98	
121 1,1,2,2-Tetrachloroethane	83		12.097				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	93	851364	10.0	

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\20230629-87928.b\IU29X57.D

Injection Date: 30-Jun-2023 07:04:30

Instrument ID: 19930

Operator ID: gaw91131

Lims ID: 410-131835-A-4

Lab Sample ID: 410-131835-4

Worklist Smp#: 28

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

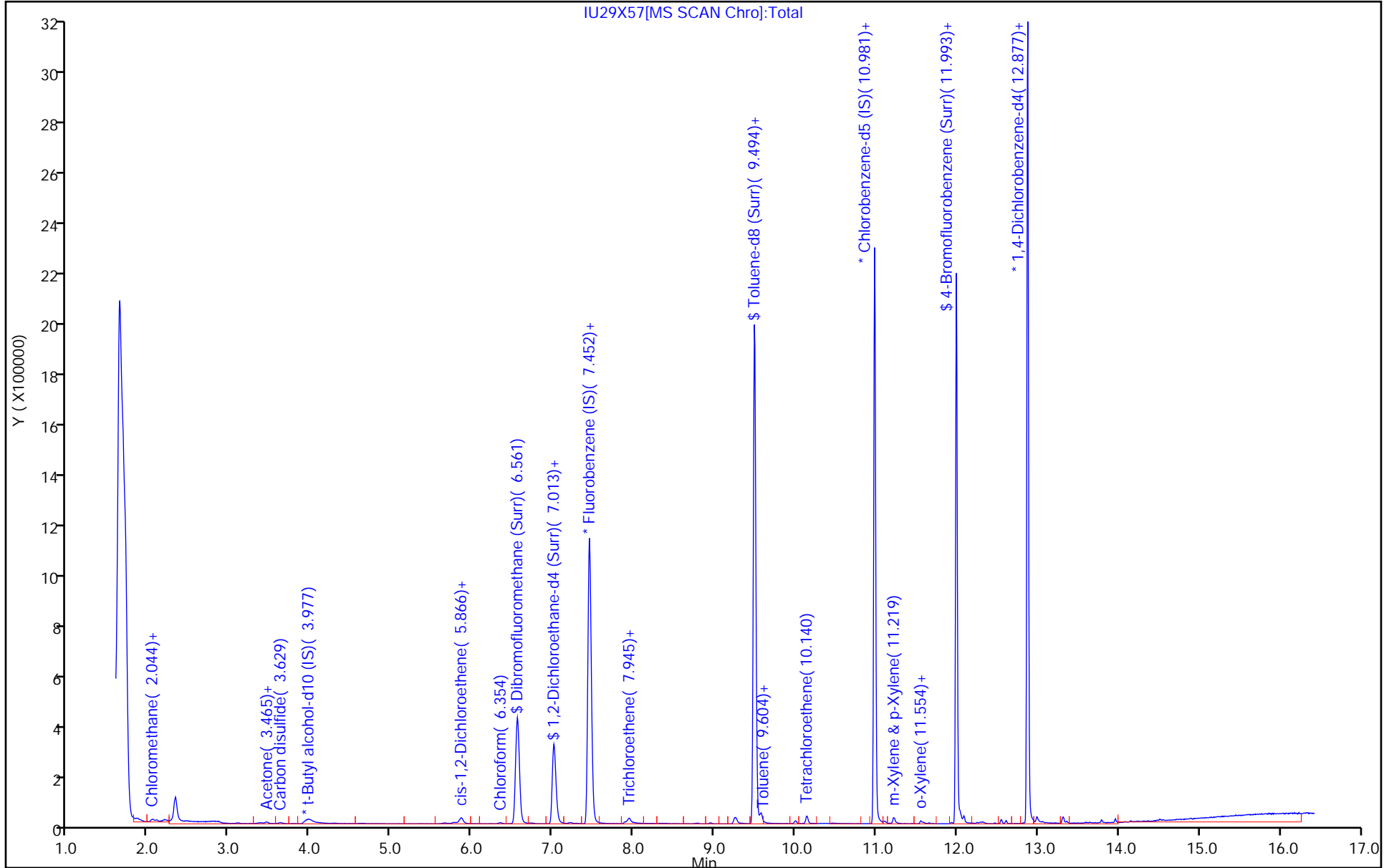
ALS Bottle#: 27

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\20230629-87928.b\IU29X57.D
 Lims ID: 410-131835-A-4
 Client ID: HD-COD-SW-9-0/1-0
 Sample Type: Client
 Inject. Date: 30-Jun-2023 07:04:30 ALS Bottle#: 27 Worklist Smp#: 28
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0087928-028
 Operator ID: gaw91131 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 08:12:18 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1685

First Level Reviewer: innook

Date: 03-Jul-2023 08:15:58

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	9.93	99.31
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	9.97	99.68
\$ 78 Toluene-d8 (Surr)	10.0	9.76	97.59
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.98	99.79

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X57.D

Injection Date: 30-Jun-2023 07:04:30

Instrument ID: 19930

Lims ID: 410-131835-A-4

Lab Sample ID: 410-131835-4

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

Operator ID: gaw91131

ALS Bottle#: 27

Worklist Smp#: 28

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

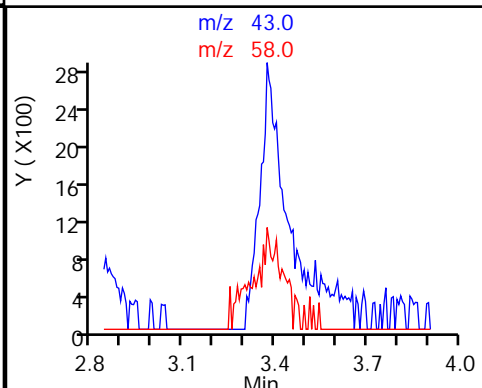
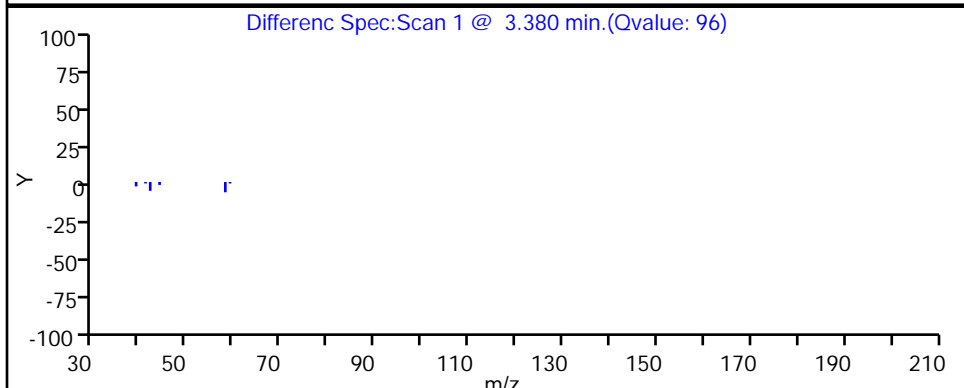
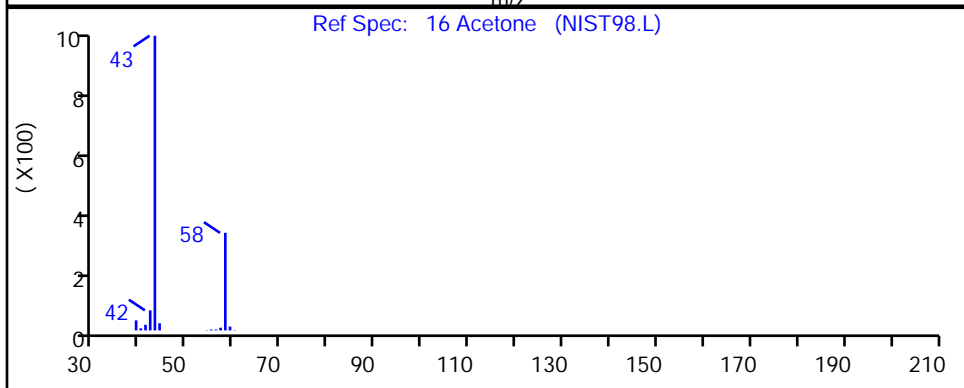
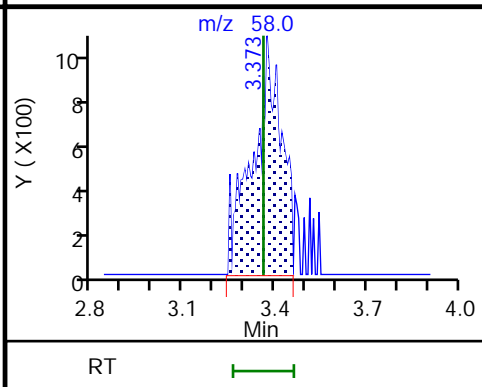
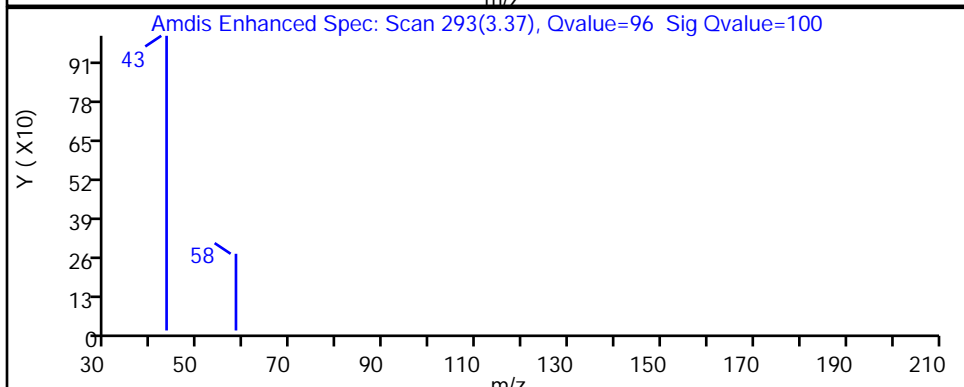
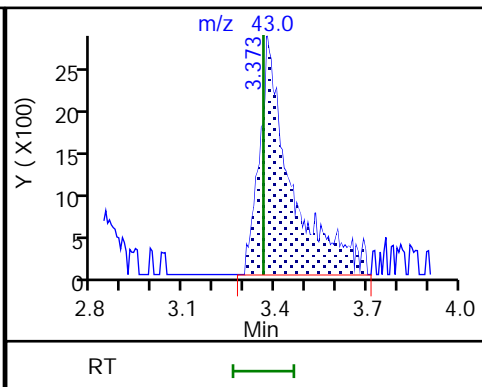
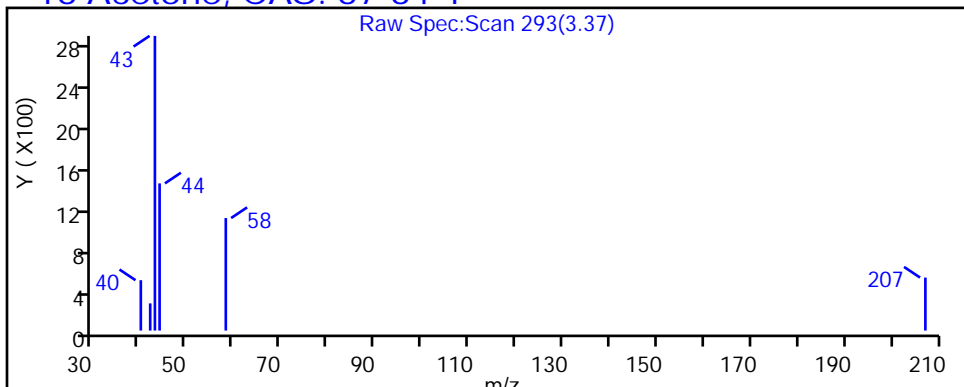
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

16 Acetone, CAS: 67-64-1



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X57.D

Injection Date: 30-Jun-2023 07:04:30

Instrument ID: 19930

Lims ID: 410-131835-A-4

Lab Sample ID: 410-131835-4

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

Operator ID: gaw91131

ALS Bottle#: 27

Worklist Smp#: 28

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

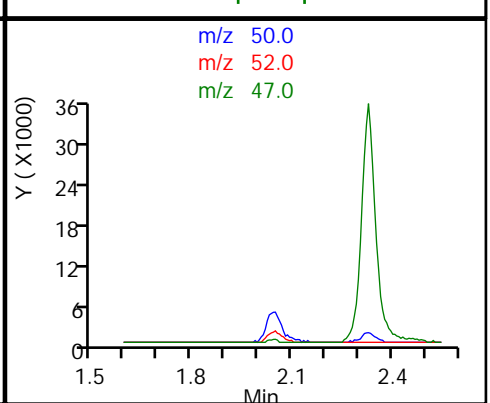
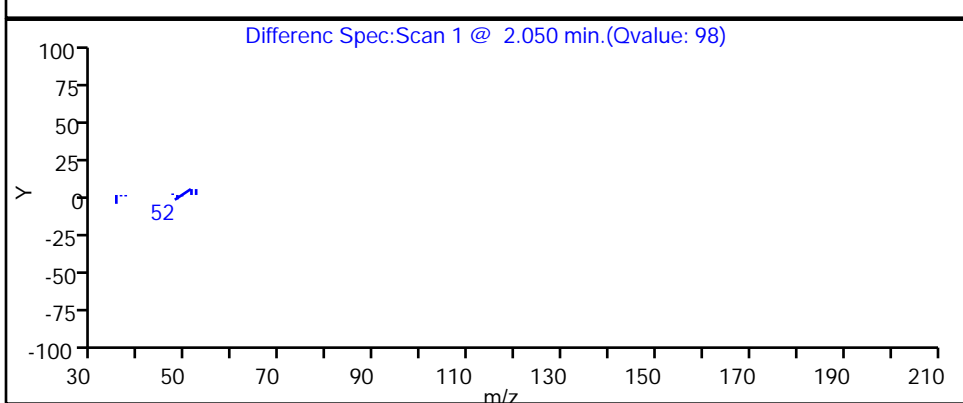
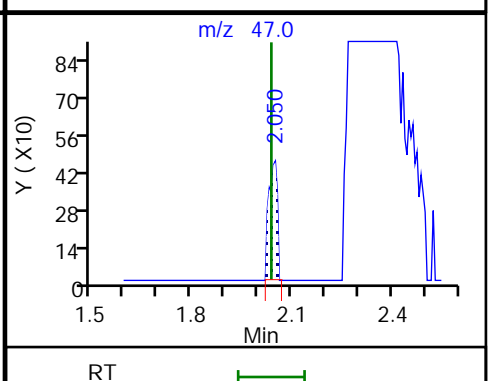
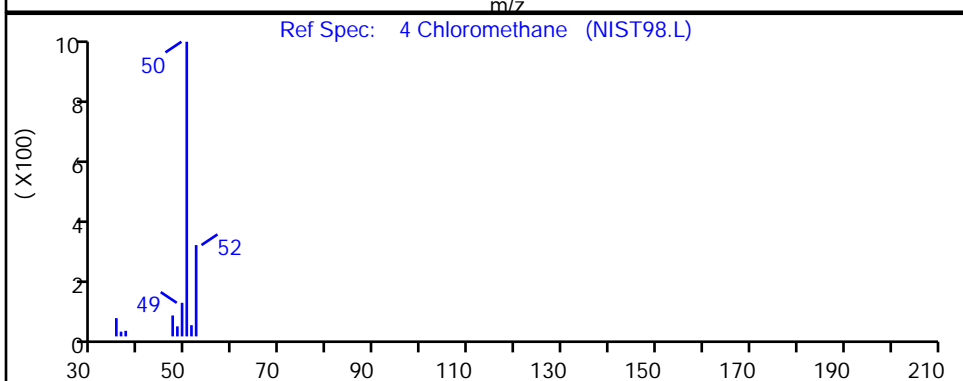
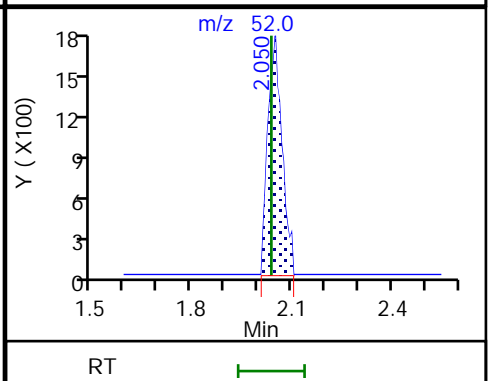
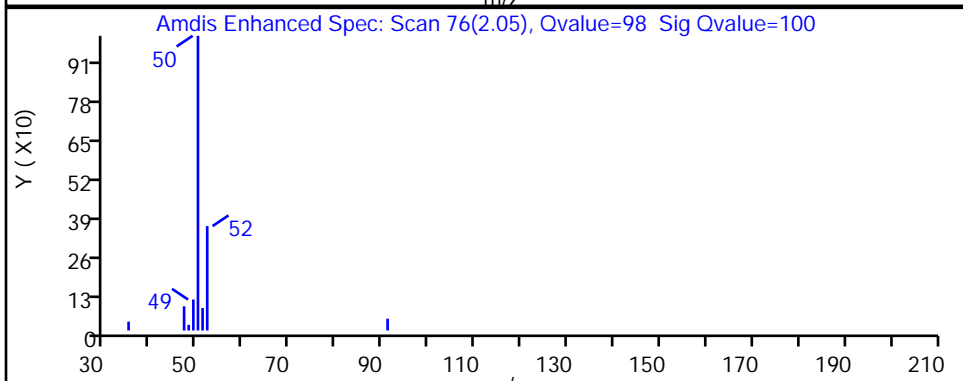
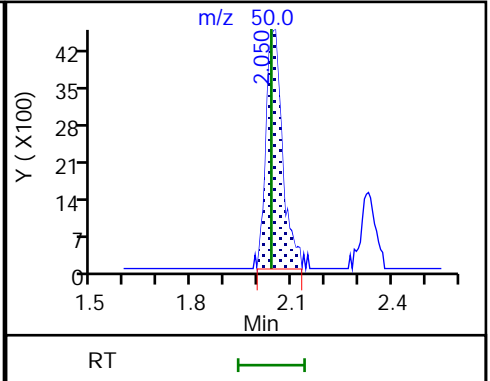
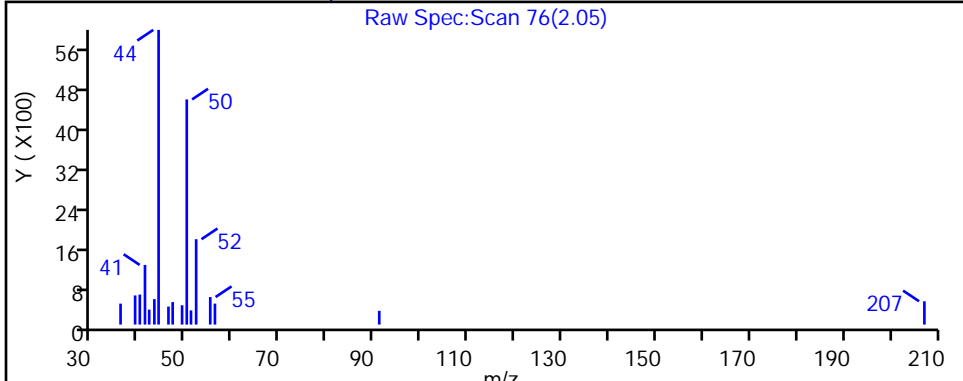
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

4 Chloromethane, CAS: 74-87-3



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X57.D

Injection Date: 30-Jun-2023 07:04:30

Instrument ID: 19930

Lims ID: 410-131835-A-4

Lab Sample ID: 410-131835-4

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

Operator ID: gaw91131

ALS Bottle#: 27

Worklist Smp#: 28

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

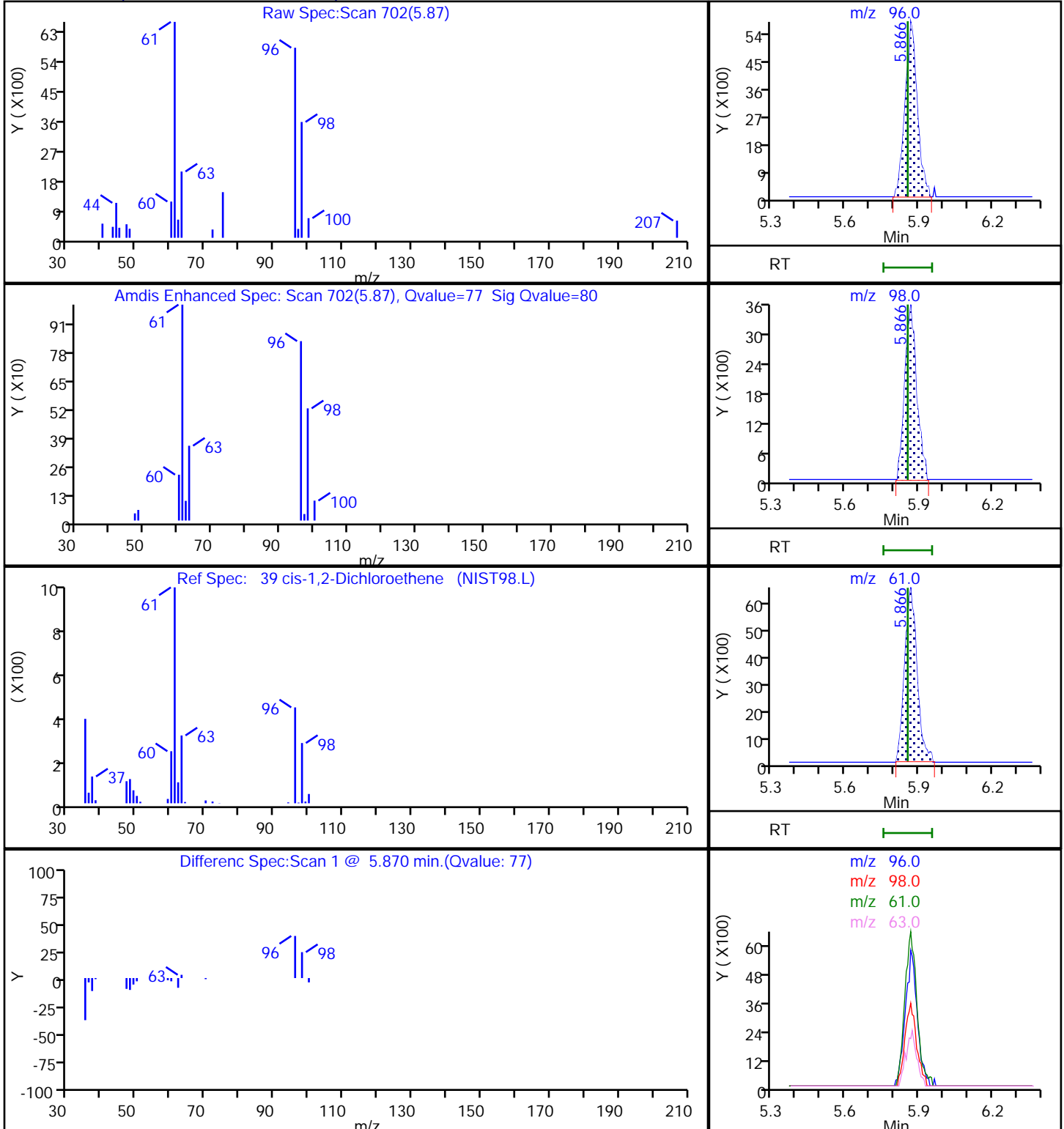
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X57.D

Injection Date: 30-Jun-2023 07:04:30

Instrument ID: 19930

Lims ID: 410-131835-A-4

Lab Sample ID: 410-131835-4

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

Operator ID: gaw91131

ALS Bottle#: 27

Worklist Smp#: 28

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

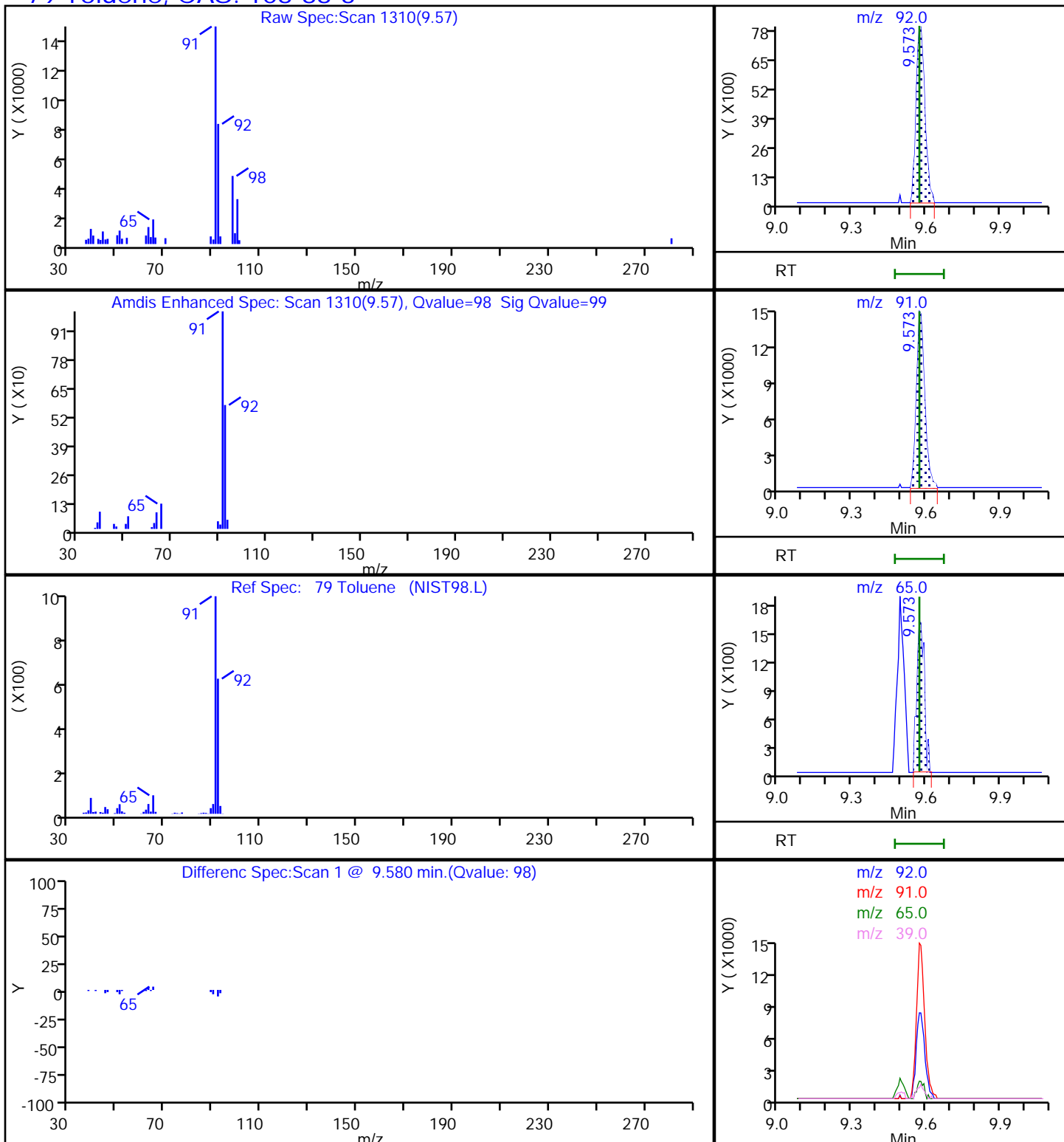
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

79 Toluene, CAS: 108-88-3



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X57.D

Injection Date: 30-Jun-2023 07:04:30

Instrument ID: 19930

Lims ID: 410-131835-A-4

Lab Sample ID: 410-131835-4

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

Operator ID: gaw91131

ALS Bottle#: 27

Worklist Smp#: 28

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

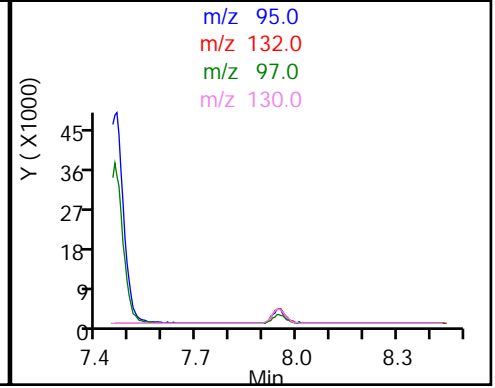
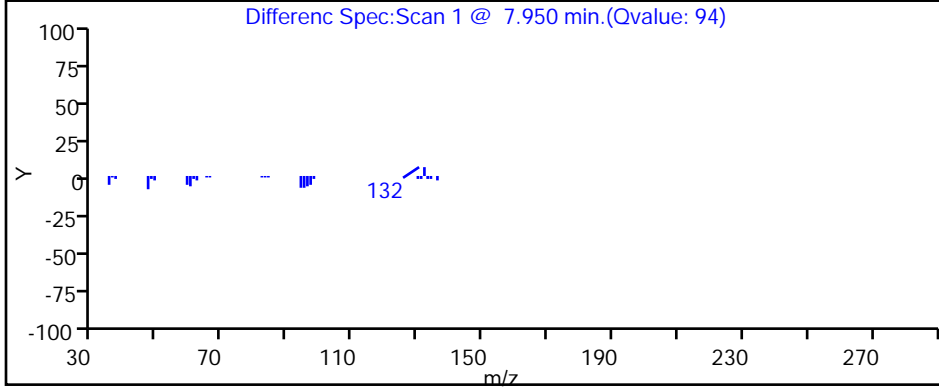
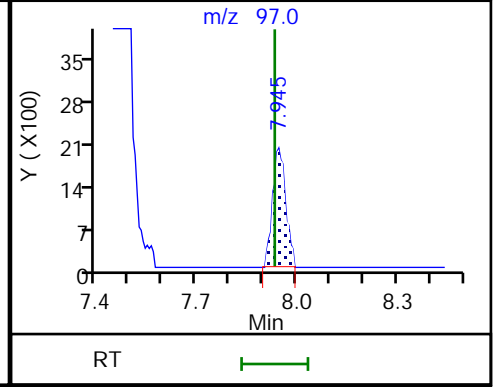
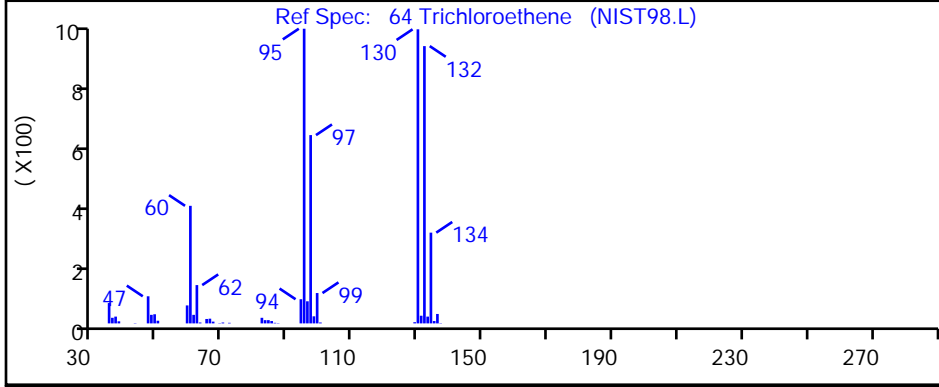
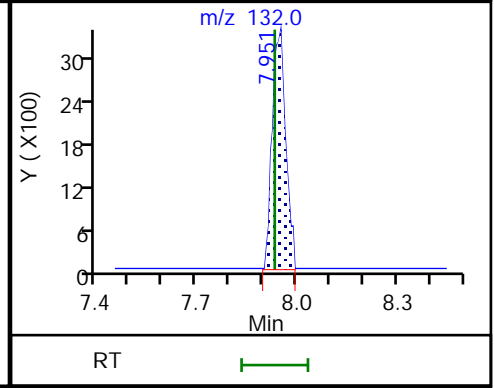
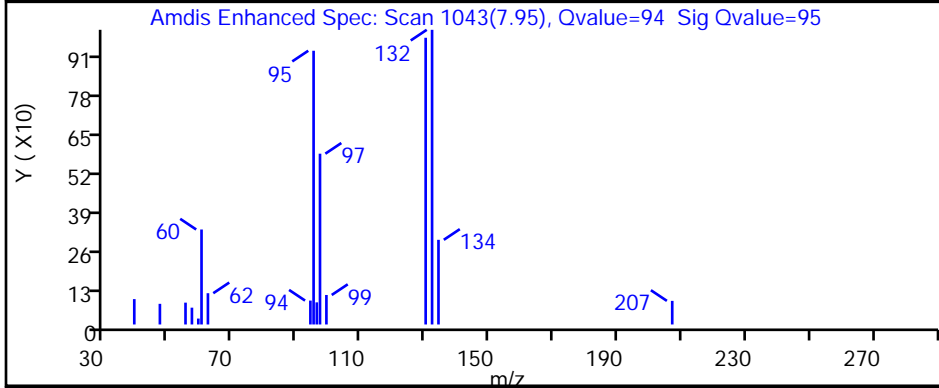
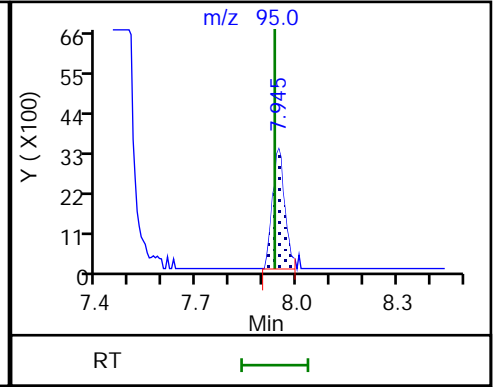
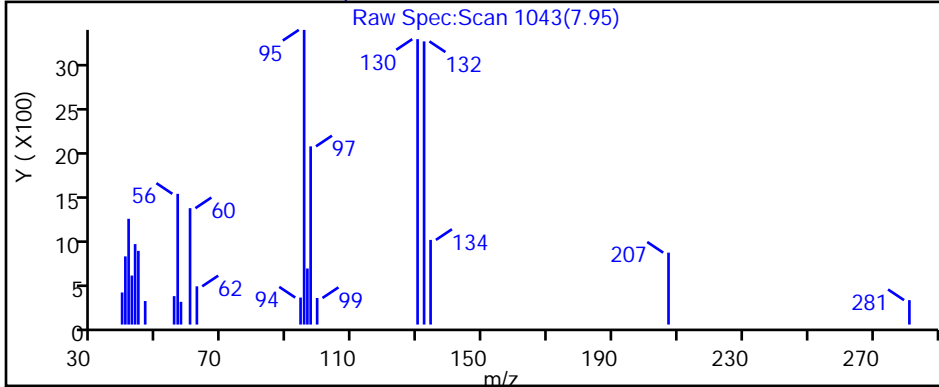
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

64 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

SDG No.:

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

Lab Sample ID: 410-131835-5

Matrix: Water

Lab File ID: IU29X58.D

Analysis Method: 8260D

Date Collected: 06/21/2023 09:38

Sample wt/vol: 25 (mL)

Date Analyzed: 06/30/2023 07:25

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 392483

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	3.0	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		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	0.11	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.47	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.86		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.: 410-131835-1

SDG No.:

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

Lab Sample ID: 410-131835-5

Matrix: Water

Lab File ID: IU29X58.D

Analysis Method: 8260D

Date Collected: 06/21/2023 09:38

Sample wt/vol: 25 (mL)

Date Analyzed: 06/30/2023 07:25

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 392483

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	0.28	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)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		80-120
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X58.D
 Lims ID: 410-131835-A-5
 Client ID: HD-COD-SW-13-0/1-0
 Sample Type: Client
 Inject. Date: 30-Jun-2023 07:25:30 ALS Bottle#: 28 Worklist Smp#: 29
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0087928-029
 Operator ID: gaw91131 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 08:12:18 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1685

First Level Reviewer: innook Date: 03-Jul-2023 08:17:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50	2.044	2.038	0.006	96	7700	0.1093	
5 Vinyl chloride	62		2.148				ND	7
7 Bromomethane	94		2.459				ND	
8 Chloroethane	64		2.532				ND	
15 1,1-Dichloroethene	96		3.330				ND	
16 Acetone	43	3.385	3.361	0.024	98	17286	2.97	
20 Carbon disulfide	76	3.635	3.623	0.012	94	5079	0.0403	
25 Methylene Chloride	84		3.958				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.976	3.971	0.005	22	121720	50.0	
29 Methyl tert-butyl ether	73		4.342				ND	
30 trans-1,2-Dichloroethene	96		4.355				ND	
32 1,1-Dichloroethane	63		5.013				ND	
38 2-Butanone (MEK)	43		5.812				ND	7
39 cis-1,2-Dichloroethene	96	5.866	5.854	0.012	77	27188	0.4726	
46 Chlorobromomethane	128		6.190				ND	
48 Chloroform	83	6.342	6.342	0.000	90	7496	0.0819	
\$ 49 Dibromofluoromethane (Surr)	113	6.561	6.555	0.006	94	438843	9.86	
50 1,1,1-Trichloroethane	97	6.586	6.568	0.018	35	5819	0.0681	
54 Carbon tetrachloride	117		6.781				ND	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.012	7.007	0.005	62	88144	10.0	
57 Benzene	78		7.043				ND	
58 1,2-Dichloroethane	62		7.110				ND	
* 61 Fluorobenzene (IS)	96	7.451	7.452	-0.001	99	1732386	10.0	
64 Trichloroethene	95	7.945	7.933	0.012	95	16119	0.2832	
66 1,2-Dichloropropane	63		8.262				ND	
71 Dichlorobromomethane	83		8.610				ND	7
76 cis-1,3-Dichloropropene	75		9.171				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.354				ND	7
\$ 78 Toluene-d8 (Surr)	98	9.494	9.494	0.000	93	1751277	9.73	
79 Toluene	92	9.579	9.573	0.006	98	5132	0.0361	
97 trans-1,3-Dichloropropene	75		9.841				ND	
100 1,1,2-Trichloroethane	97		10.049				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.146	10.140	0.006	98	63703	0.8599	
103 2-Hexanone	43		10.268				ND	
105 Chlorodibromomethane	129		10.433				ND	
106 Ethylene Dibromide	107		10.542				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.981	10.981	0.000	84	1400454	10.0	
109 Chlorobenzene	112		11.006				ND	
111 1,1,1,2-Tetrachloroethane	131		11.091				ND	
112 Ethylbenzene	91		11.097				ND	
113 m-Xylene & p-Xylene	106		11.213				ND	7
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.542				ND	
115 Styrene	104		11.561				ND	7
116 Bromoform	173		11.719				ND	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.993	11.993	0.000	97	667437	9.84	
121 1,1,2,2-Tetrachloroethane	83		12.097				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	93	842099	10.0	

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\20230629-87928.b\IU29X58.D

Injection Date: 30-Jun-2023 07:25:30

Instrument ID: 19930

Operator ID: gaw91131

Lims ID: 410-131835-A-5

Lab Sample ID: 410-131835-5

Worklist Smp#: 29

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

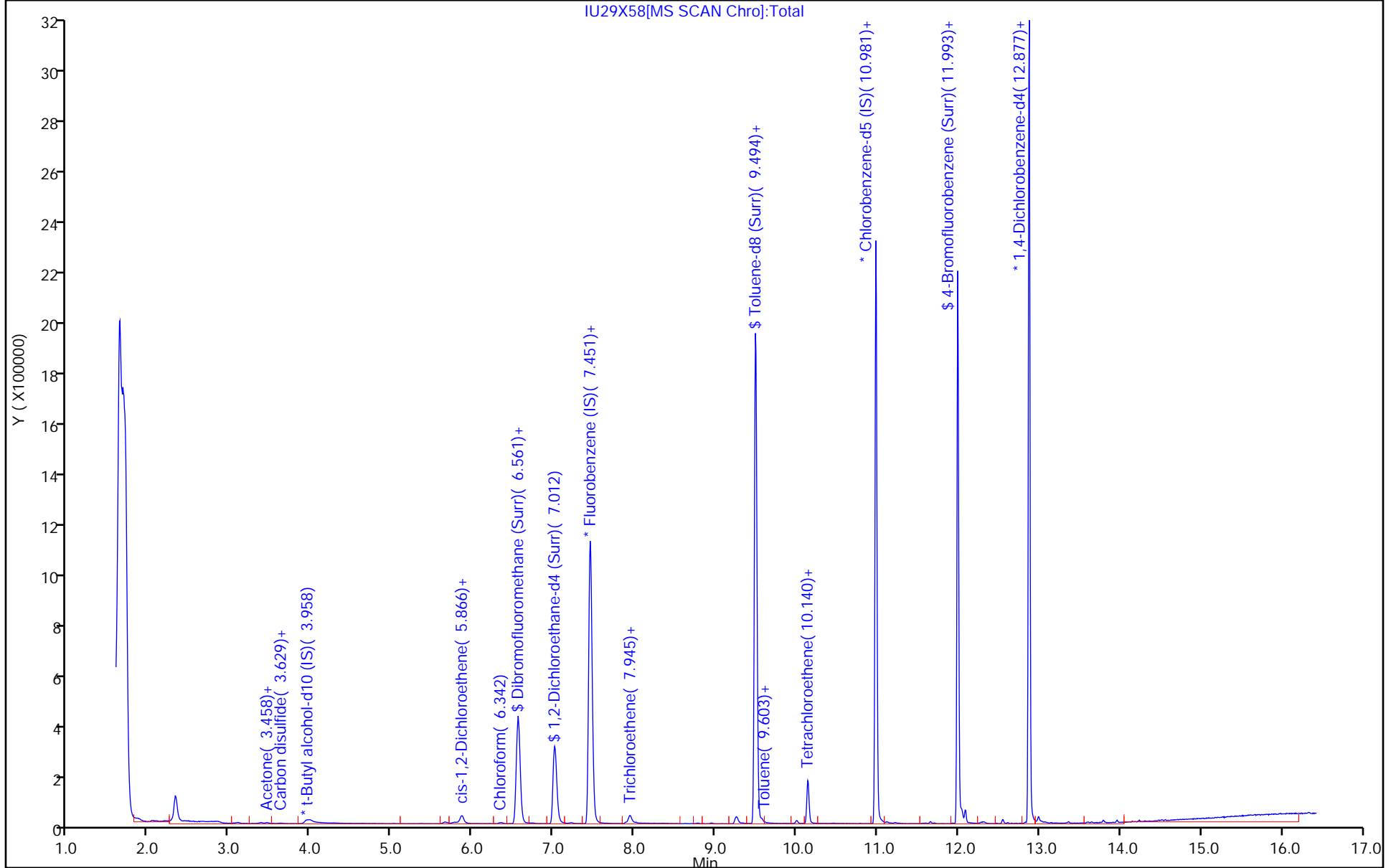
ALS Bottle#: 28

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\20230629-87928.b\IU29X58.D
 Lims ID: 410-131835-A-5
 Client ID: HD-COD-SW-13-0/1-0
 Sample Type: Client
 Inject. Date: 30-Jun-2023 07:25:30 ALS Bottle#: 28 Worklist Smp#: 29
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0087928-029
 Operator ID: gaw91131 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 08:12:18 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1685

First Level Reviewer: innook

Date: 03-Jul-2023 08:17:36

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	9.86	98.62
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.0	99.90
\$ 78 Toluene-d8 (Surr)	10.0	9.73	97.27
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.84	98.38

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X58.D

Injection Date: 30-Jun-2023 07:25:30

Instrument ID: 19930

Lims ID: 410-131835-A-5

Lab Sample ID: 410-131835-5

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

Operator ID: gaw91131

ALS Bottle#: 28

Worklist Smp#: 29

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

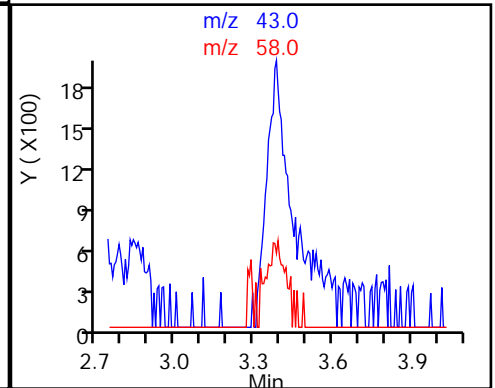
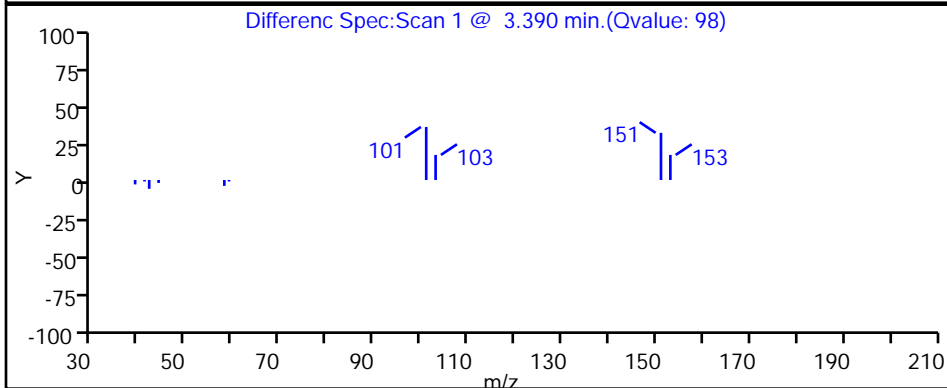
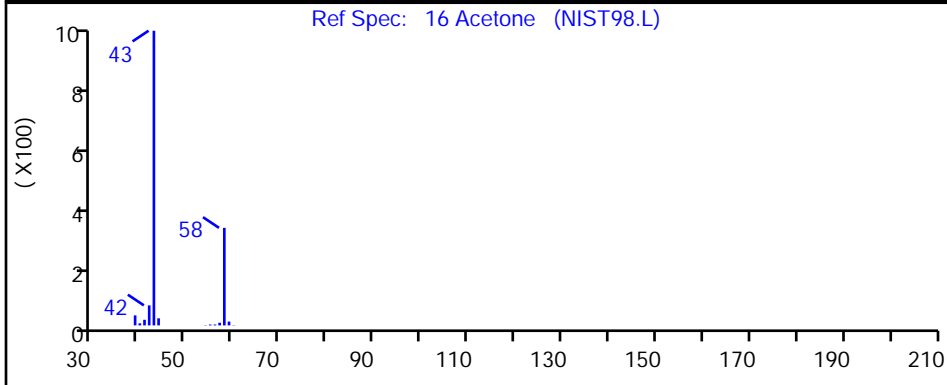
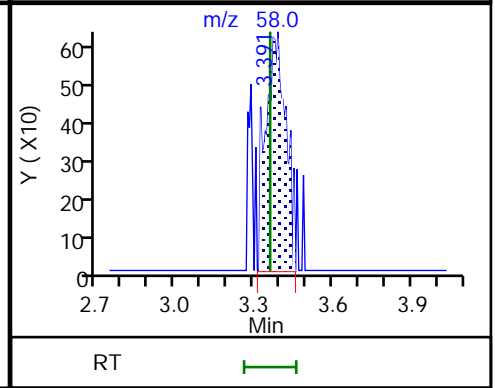
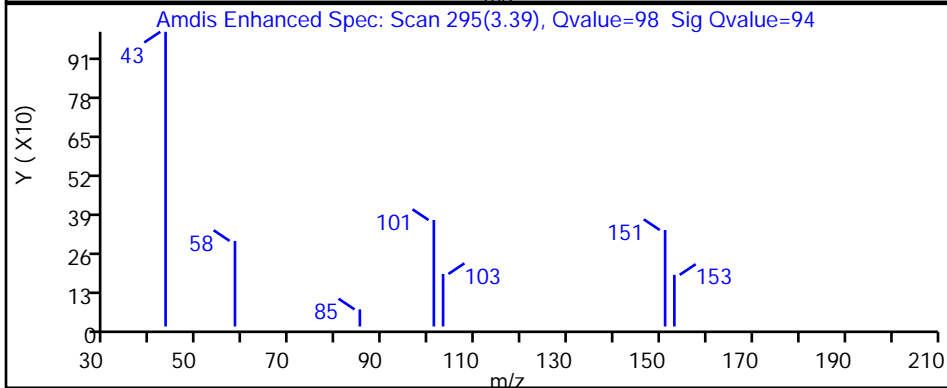
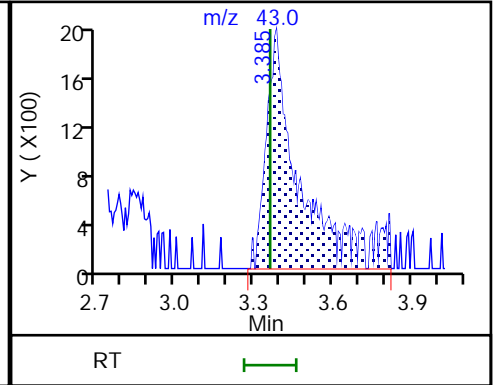
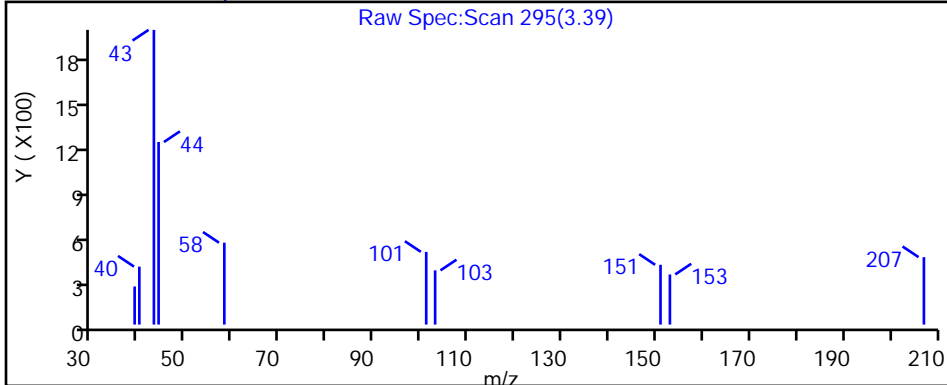
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

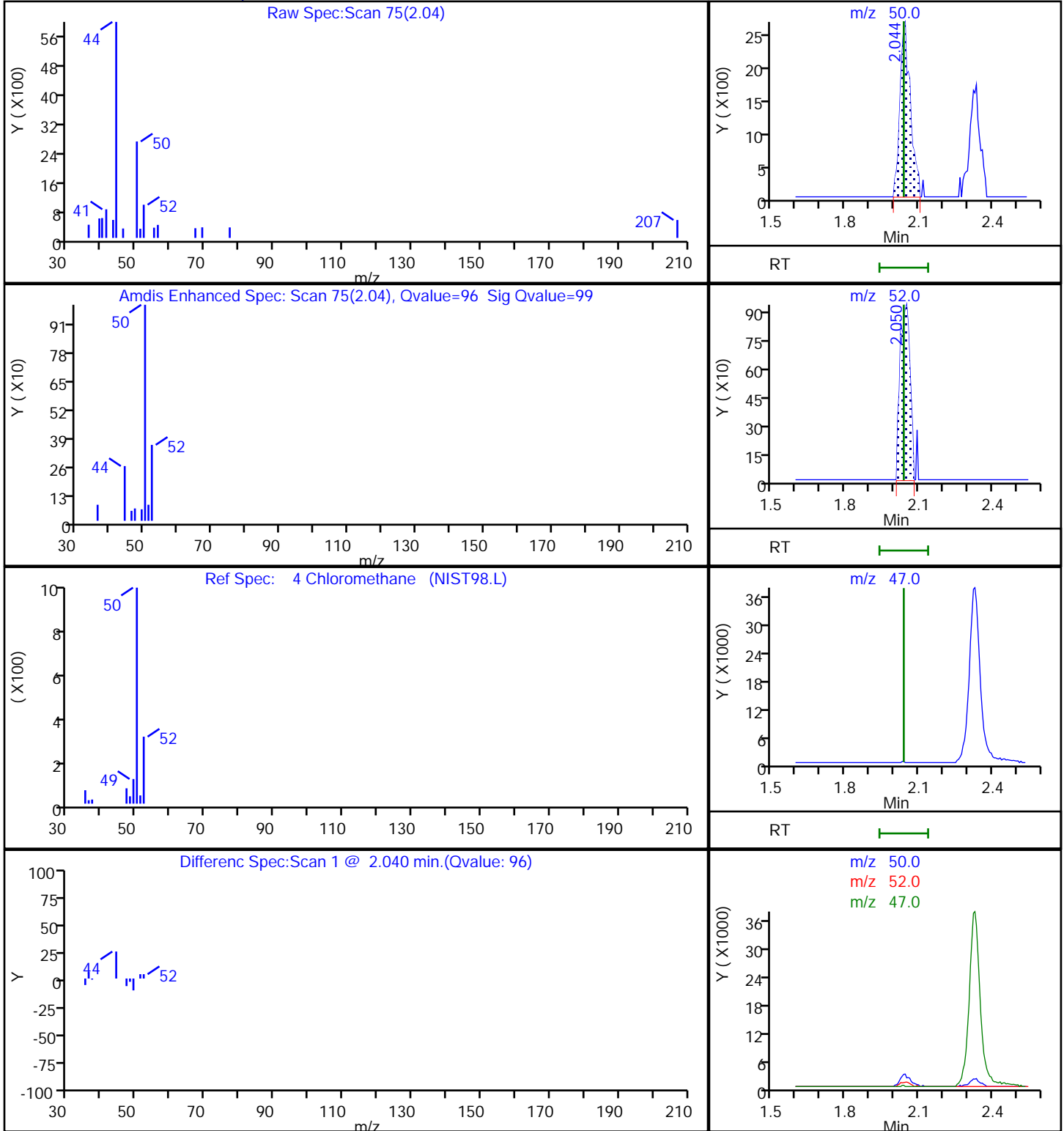
MS Quad

16 Acetone, CAS: 67-64-1



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X58.D
Injection Date: 30-Jun-2023 07:25:30 Instrument ID: 19930
Lims ID: 410-131835-A-5 Lab Sample ID: 410-131835-5
Client ID: HD-COD-SW-13-0/1-0
Operator ID: gaw91131 ALS Bottle#: 28 Worklist Smp#: 29
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) MS Quad

4 Chloromethane, CAS: 74-87-3



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X58.D

Injection Date: 30-Jun-2023 07:25:30

Instrument ID: 19930

Lims ID: 410-131835-A-5

Lab Sample ID: 410-131835-5

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

Operator ID: gaw91131

ALS Bottle#: 28

Worklist Smp#: 29

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

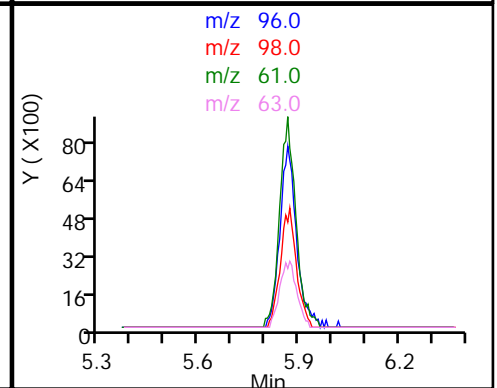
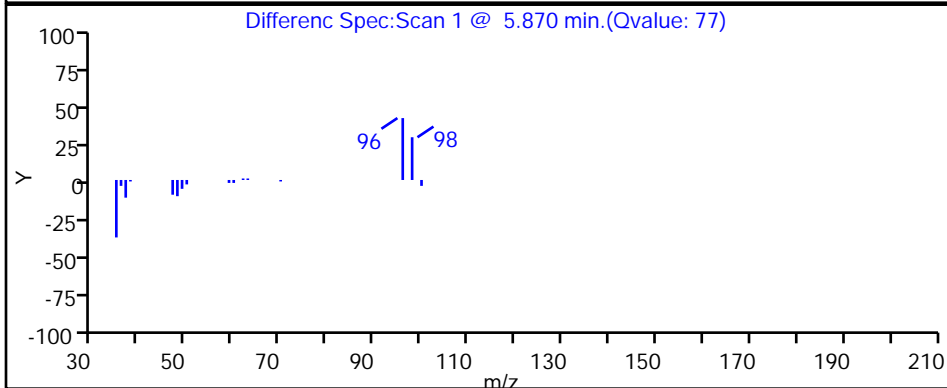
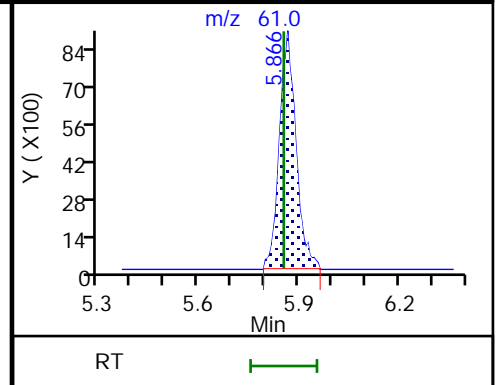
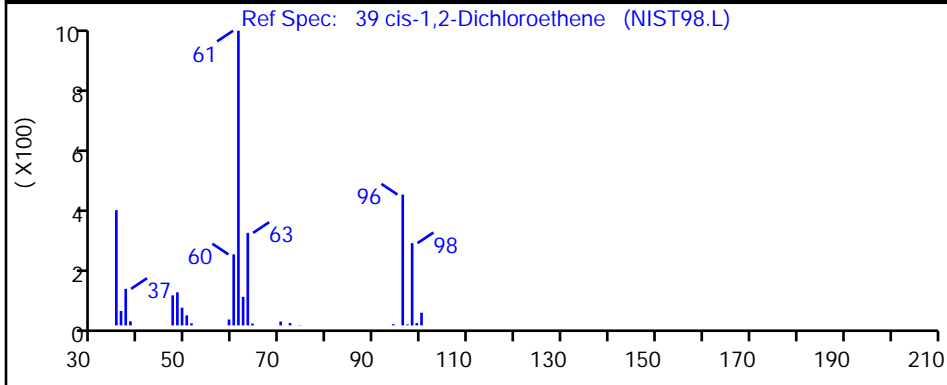
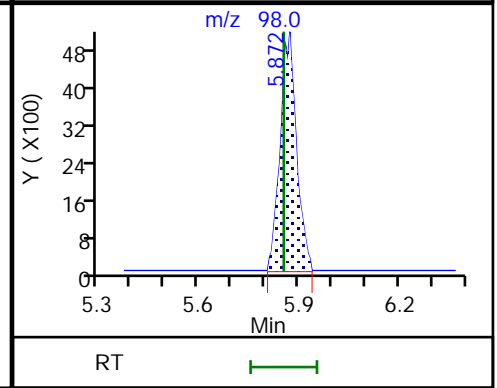
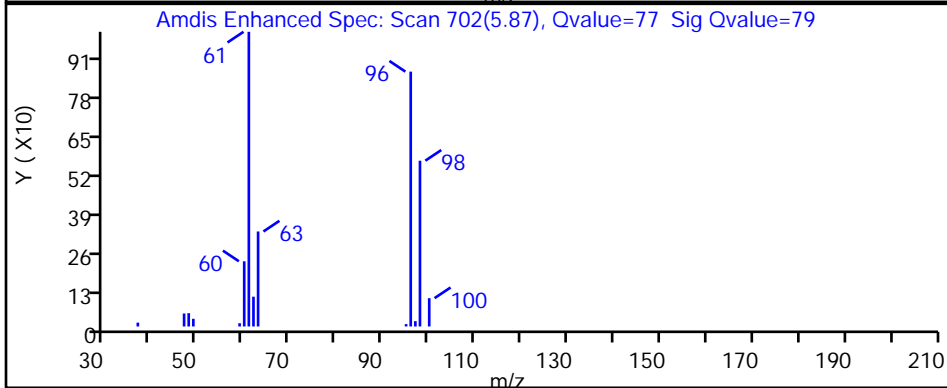
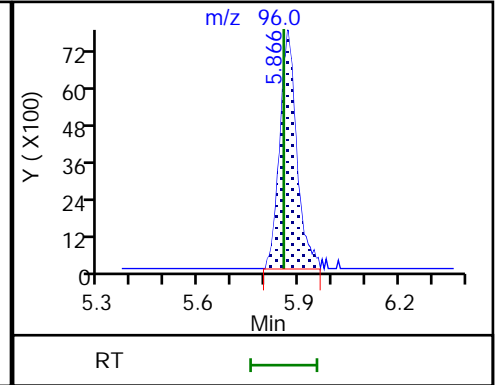
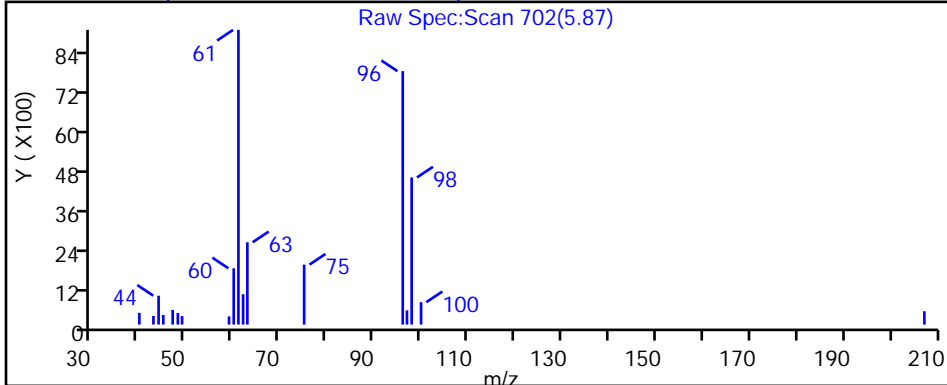
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X58.D

Injection Date: 30-Jun-2023 07:25:30

Instrument ID: 19930

Lims ID: 410-131835-A-5

Lab Sample ID: 410-131835-5

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

Operator ID: gaw91131

ALS Bottle#: 28

Worklist Smp#: 29

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

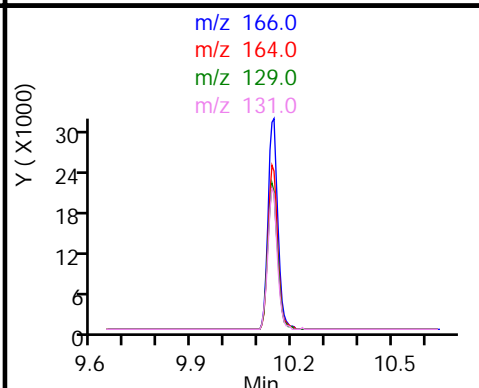
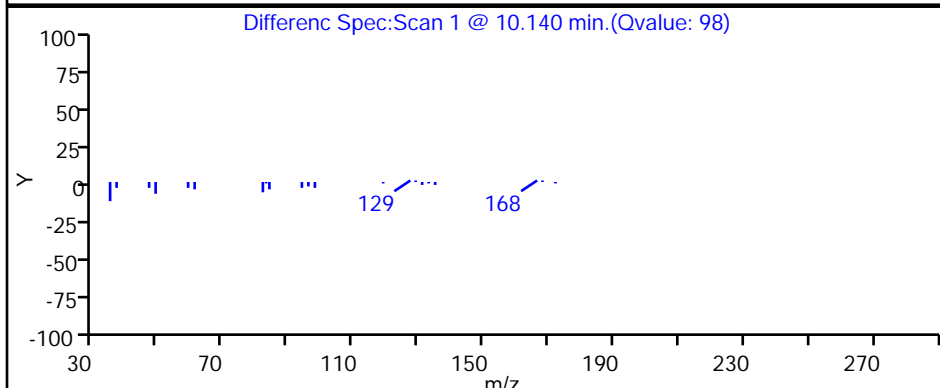
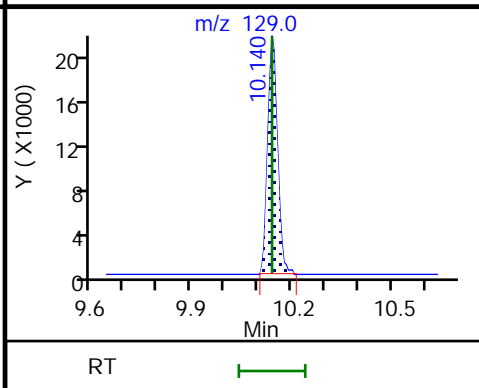
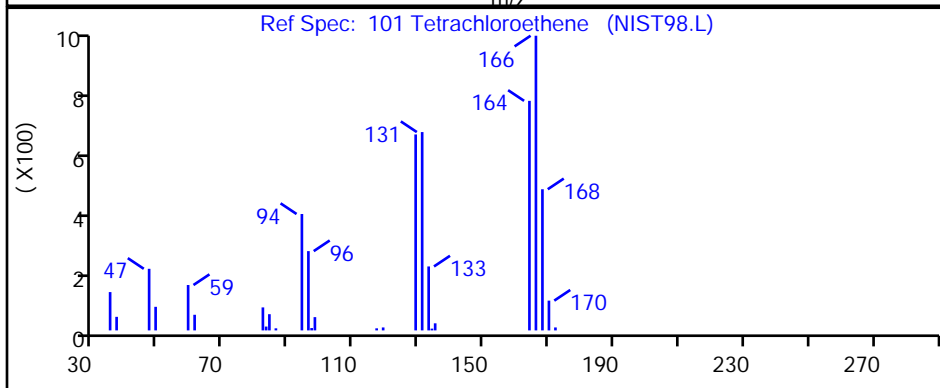
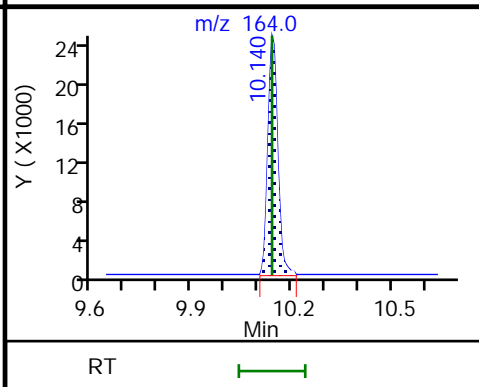
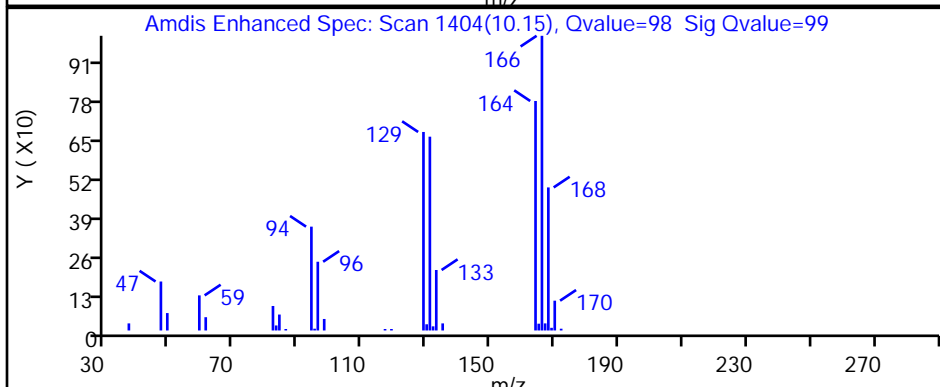
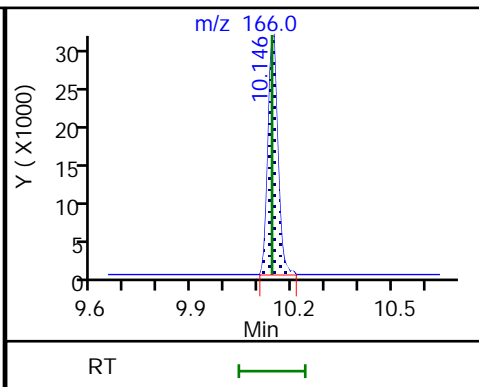
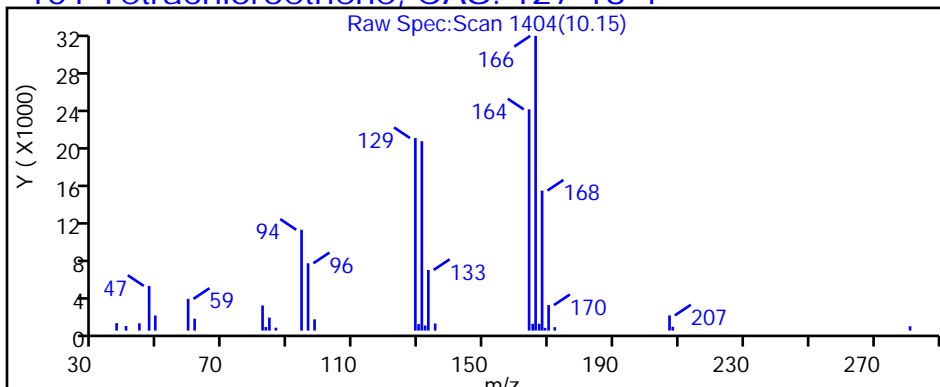
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

101 Tetrachloroethene, CAS: 127-18-4



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X58.D

Injection Date: 30-Jun-2023 07:25:30

Instrument ID: 19930

Lims ID: 410-131835-A-5

Lab Sample ID: 410-131835-5

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

Operator ID: gaw91131

ALS Bottle#: 28

Worklist Smp#: 29

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

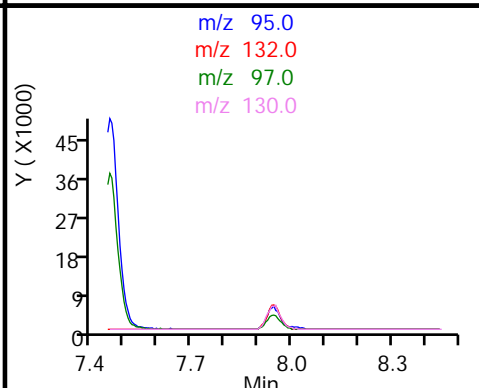
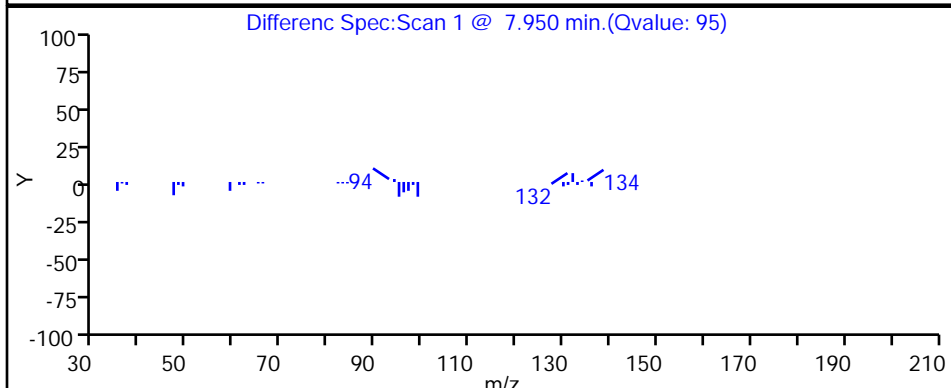
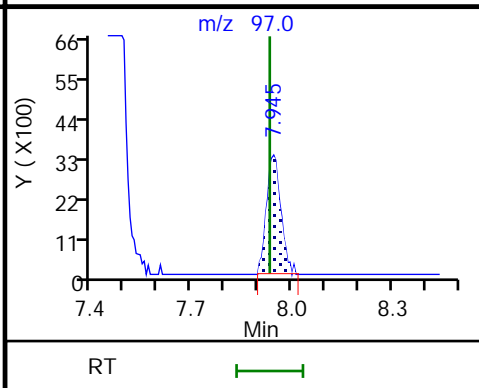
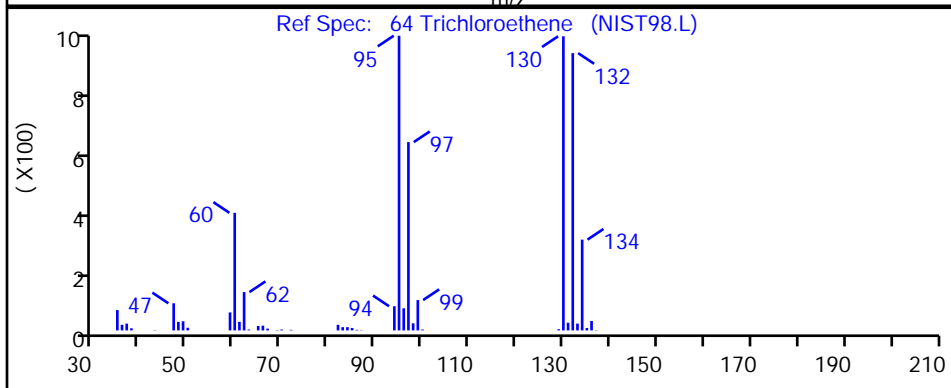
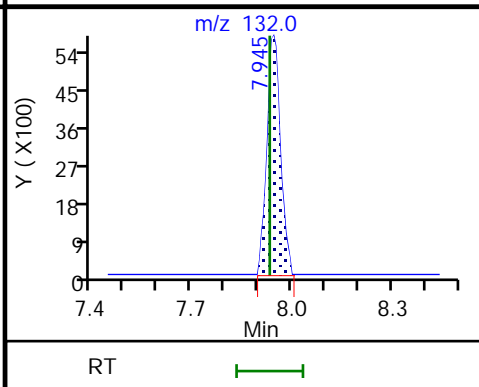
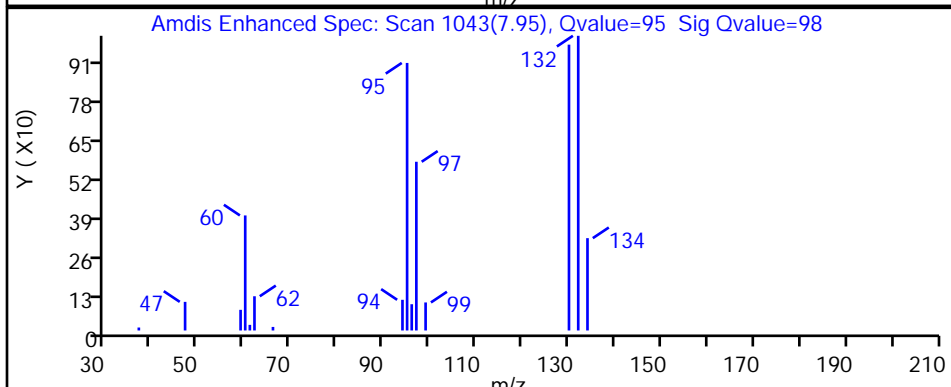
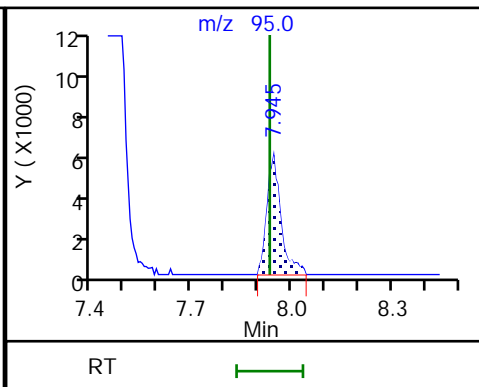
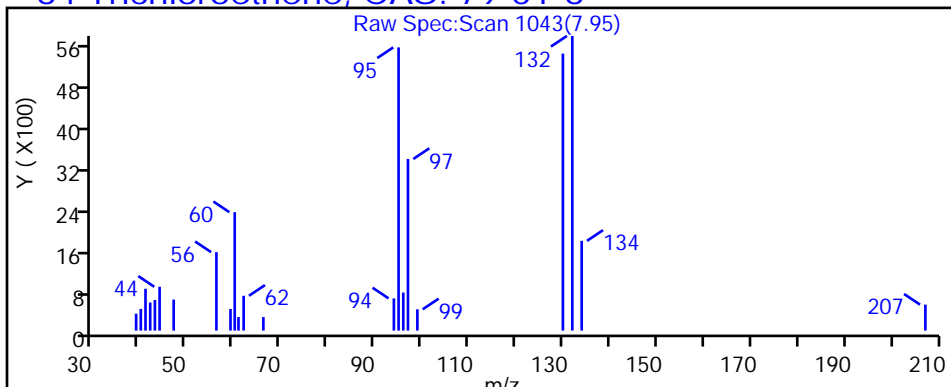
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

64 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

SDG No.:

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

Lab Sample ID: 410-131835-6

Matrix: Water

Lab File ID: IU29X40.D

Analysis Method: 8260D

Date Collected: 06/21/2023 11:35

Sample wt/vol: 25 (mL)

Date Analyzed: 06/30/2023 01:06

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.: 392483

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	0.24	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	0.14	J	0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.23	J	0.50	0.090
74-87-3	Chloromethane	0.12	J FL	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	1.1		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	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	3.9		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.: 410-131835-1
 Environment Testing, LLC

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 Lab Sample ID: 410-131835-6

Matrix: Water Lab File ID: IU29X40.D

Analysis Method: 8260D Date Collected: 06/21/2023 11:35

Sample wt/vol: 25 (mL) Date Analyzed: 06/30/2023 01:06

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.: 392483 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)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X40.D
 Lims ID: 410-131835-A-6
 Client ID: HD-COD-SW-15-0/1-0
 Sample Type: Client
 Inject. Date: 30-Jun-2023 01:06:30 ALS Bottle#: 10 Worklist Smp#: 11
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0087928-011
 Operator ID: gaw91131 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 30-Jun-2023 14:38:14 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1674

First Level Reviewer: innook

Date:

30-Jun-2023 14:38:14

Compound	Sig	RT (min.)	Exp RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85		1.855				ND	
2 Chlorodifluoromethane	51		1.867				ND	
3 Dimethyl ether	45		1.922				ND	
4 Chloromethane	50	2.038	2.038	0.000	97	8726	0.1237	
5 Vinyl chloride	62		2.148				ND	
6 Butadiene	39		2.148				ND	7
7 Bromomethane	94		2.459				ND	7
8 Chloroethane	64		2.532				ND	
9 Dichlorofluoromethane	67		2.757				ND	7
10 Trichlorofluoromethane	101		2.824				ND	
11 Ethyl ether	59		3.044				ND	
13 1,2-Dichloro-1,1,2-trifluoroethane	67		3.135				ND	
14 Acrolein	56		3.202				ND	
T 12 Ethanol TIC	45		3.288				ND	7
15 1,1-Dichloroethene	96	3.342	3.330	0.012	94	6371	0.1370	
16 Acetone	43		3.361				ND	U
17 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.379				ND	
18 Iodomethane	142		3.519				ND	
19 Ethyl bromide	108		3.544				ND	
20 Carbon disulfide	76		3.623				ND	
23 Methyl acetate	43		3.751				ND	
24 3-Chloro-1-propene	41		3.775				ND	
21 Acetonitrile	41		3.788				ND	
25 Methylene Chloride	84		3.958				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.989	3.971	0.018	26	138005	50.0	
T 22 Acetonitrile TIC	41		4.001				ND	
27 2-Methyl-2-propanol	59		4.092				ND	
28 Acrylonitrile	53		4.275				ND	
29 Methyl tert-butyl ether	73	4.354	4.342	0.012	90	5352	0.0419	
30 trans-1,2-Dichloroethene	96		4.355				ND	7
31 Hexane	57		4.781				ND	
33 Vinyl acetate	43		4.989				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
32 1,1-Dichloroethane	63	5.031	5.013	0.018	91	8304	0.0936	
35 Isopropyl ether	45		5.080				ND	
36 2-Chloro-1,3-butadiene	53		5.123				ND	
T 34 Vinyl acetate (TIC)	43		5.336				ND	
37 Tert-butyl ethyl ether	59		5.617				ND	7
38 2-Butanone (MEK)	43		5.812				ND	
39 cis-1,2-Dichloroethene	96	5.866	5.854	0.012	76	65241	1.13	
40 2,2-Dichloropropane	77		5.867				ND	
42 Ethyl acetate	43		5.891				ND	
43 Propionitrile	54		5.897				ND	
45 Methacrylonitrile	67		6.116				ND	
S 41 1,2-Dichloroethene, Total	100				0		1.13	
46 Chlorobromomethane	128		6.190				ND	
47 Tetrahydrofuran	71		6.196				ND	
44 Methyl acrylate	55		6.220				ND	
48 Chloroform	83	6.348	6.342	0.006	92	21232	0.2317	
\$ 49 Dibromofluoromethane (Surr)	113	6.567	6.555	0.012	94	444199	9.97	
50 1,1,1-Trichloroethane	97	6.580	6.568	0.012	96	20510	0.2397	
51 Cyclohexane	56		6.671				ND	7
53 1,1-Dichloropropene	75		6.781				ND	
54 Carbon tetrachloride	117	6.793	6.781	0.012	85	2300	0.0302	
55 Isobutyl alcohol	41		6.939				ND	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.019	7.007	0.012	62	90066	10.2	
52 1-Chlorobutane	56		7.019				ND	
57 Benzene	78		7.043				ND	
58 1,2-Dichloroethane	62		7.110				ND	
59 Isopropyl acetate	43		7.128				ND	
60 Tert-amyl methyl ether	73		7.244				ND	
* 61 Fluorobenzene (IS)	96	7.457	7.452	0.005	99	1734627	10.0	
62 n-Heptane	43		7.470				ND	7
63 n-Butanol	56	7.890	7.836	0.054	83	23388	32.6	
64 Trichloroethene	95	7.945	7.933	0.012	94	61430	1.08	
65 Methylcyclohexane	83		8.244				ND	
66 1,2-Dichloropropane	63		8.262				ND	
67 Methyl methacrylate	69		8.360				ND	
68 1,4-Dioxane	88		8.366				ND	
69 Dibromomethane	93		8.372				ND	
70 n-Propyl acetate	43		8.445				ND	
71 Dichlorobromomethane	83		8.610				ND	
72 2-Nitropropane	41		8.878				ND	
73 2-Chloroethyl vinyl ether	63		9.006				ND	
75 1-Bromo-2-chloroethane	63		9.006				ND	
76 cis-1,3-Dichloropropene	75		9.171				ND	
74 Chloroacetonitrile	75		9.226				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.354				ND	
\$ 78 Toluene-d8 (Surr)	98	9.500	9.494	0.006	93	1771781	9.76	
79 Toluene	92	9.573	9.573	0.000	96	6376	0.0445	
97 trans-1,3-Dichloropropene	75		9.841				ND	
99 Ethyl methacrylate	69		9.908				ND	
T 91 Epibromohydrin TIC	57		10.000				ND	
T 81 Monochloroacetic acid TIC	50		10.000				ND	
T 83 2,3-Dibromopropene TIC	119	10.000	10.000	0.000	1	230	0.001326	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
T 85 2,3-Dibromo-1-propanol TIC	57	9.500	10.000	-0.500	1	1142	0.006584	
T 84 3-Chloro-1,2-propanediol TIC	43		10.000				ND	
T 224 Methyl acrylate TIC	55	9.500	10.000	-0.500	13	6077	0.0350	
T 86 2-Bromoethanol TIC	45	9.500	10.000	-0.500	13	1136	0.006549	
T 80 Chloroacetaldehyde TIC	50	9.561	10.000	-0.439	1	159	0.000917	
T 82 Epichlorohydrin TIC	57		10.000				ND	
T 93 Nitrobenzene TIC	77	10.323	10.000	0.323	1	302	0.001741	
T 89 Ethylene oxide TIC	43	9.500	10.000	-0.500	23	6358	0.0367	
T 87 2-Chloroethanol TIC	44	9.890	10.000	-0.110	1	424	0.002444	
T 90 Vinyl bromide TIC	106	11.121	10.000	1.121	1	840	0.004843	
T 92 2-Bromo-3-chloropropene TIC	75	10.981	10.000	0.981	4	20008	0.1153	
T 88 Isopropyl alcohol TIC	45	9.500	10.000	-0.500	24	1136	0.006549	
T 94 Hexachloroethane TIC	117	10.134	10.000	0.134	12	2190	0.0126	
T 95 Decamethylcyclotetrasiloxane TIC	71	9.506	10.000	-0.494	1	854	0.004923	
T 96 Octamethylcyclotetrasiloxane TIC	70	12.042	10.000	2.042	90	19774	0.1140	
100 1,1,2-Trichloroethane	97		10.049				ND	
S 98 1,3-Dichloropropene, Total	100		10.060				ND	7
101 Tetrachloroethene	166	10.140	10.140	0.000	97	288076	3.86	
102 1,3-Dichloropropane	76		10.213				ND	
103 2-Hexanone	43		10.268				ND	
104 n-Butyl acetate	43		10.408				ND	
105 Chlorodibromomethane	129		10.433				ND	
106 Ethylene Dibromide	107		10.542				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.981	10.981	0.000	84	1411830	10.0	
108 1-Chlorohexane	91		10.994				ND	7
109 Chlorobenzene	112		11.006				ND	
111 1,1,1,2-Tetrachloroethane	131		11.091				ND	
112 Ethylbenzene	91		11.097				ND	7
113 m-Xylene & p-Xylene	106	11.219	11.213	0.006	92	5539	0.0491	
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.542				ND	7
115 Styrene	104		11.561				ND	
116 Bromoform	173		11.719				ND	
117 Isopropylbenzene	105		11.847				ND	
118 cis-1,4-Dichloro-2-butene	88		11.902				ND	
119 Cyclohexanone	55		11.938				ND	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.993	11.993	0.000	96	677388	9.90	
121 1,1,2,2-Tetrachloroethane	83		12.097				ND	
122 Bromobenzene	156		12.109				ND	
123 trans-1,4-Dichloro-2-butene	53		12.121				ND	
124 1,2,3-Trichloropropane	110		12.140				ND	
125 N-Propylbenzene	91		12.176				ND	7
126 2-Chlorotoluene	126		12.256				ND	
127 1,3,5-Trimethylbenzene	105		12.316				ND	U
128 4-Chlorotoluene	126		12.347				ND	
129 tert-Butylbenzene	134		12.554				ND	
130 Pentachloroethane	167		12.591				ND	
131 1,2,4-Trimethylbenzene	105	12.609	12.597	0.012	93	6578	0.0256	
132 sec-Butylbenzene	105		12.719				ND	
133 1,3-Dichlorobenzene	146		12.816				ND	
134 4-Isopropyltoluene	119		12.829				ND	7
* 135 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	93	862504	10.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
136 1,4-Dichlorobenzene	146		12.896				ND	7
137 1,2,3-Trimethylbenzene	120		12.902				ND	7
138 Benzyl chloride	126		12.969				ND	
139 n-Butylbenzene	92		13.121				ND	
140 1,2-Dichlorobenzene	146		13.152				ND	
141 Hexachloroethane	117		13.542				ND	
142 1,2-Dibromo-3-Chloropropane	155		13.694				ND	
143 1,3,5-Trichlorobenzene	180		13.822				ND	
144 1,2,4-Trichlorobenzene	180		14.243				ND	
145 Hexachlorobutadiene	225		14.322				ND	
146 Naphthalene	128		14.420				ND	7
147 1,2,3-Trichlorobenzene	180		14.560				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	
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	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	1		0.000				ND	
220 1,2-Dichlorofluoroethane TIC	1		0.000				ND	
219 1,1,1-Trifluoro-2,2-dichloroethane	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

Review Flags

U - Marked Undetected

Reagents:

MSV_LLcentISS_00007

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X40.D

Injection Date: 30-Jun-2023 01:06:30

Instrument ID: 19930

Operator ID: gaw91131

Lims ID: 410-131835-A-6

Lab Sample ID: 410-131835-6

Worklist Smp#: 11

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

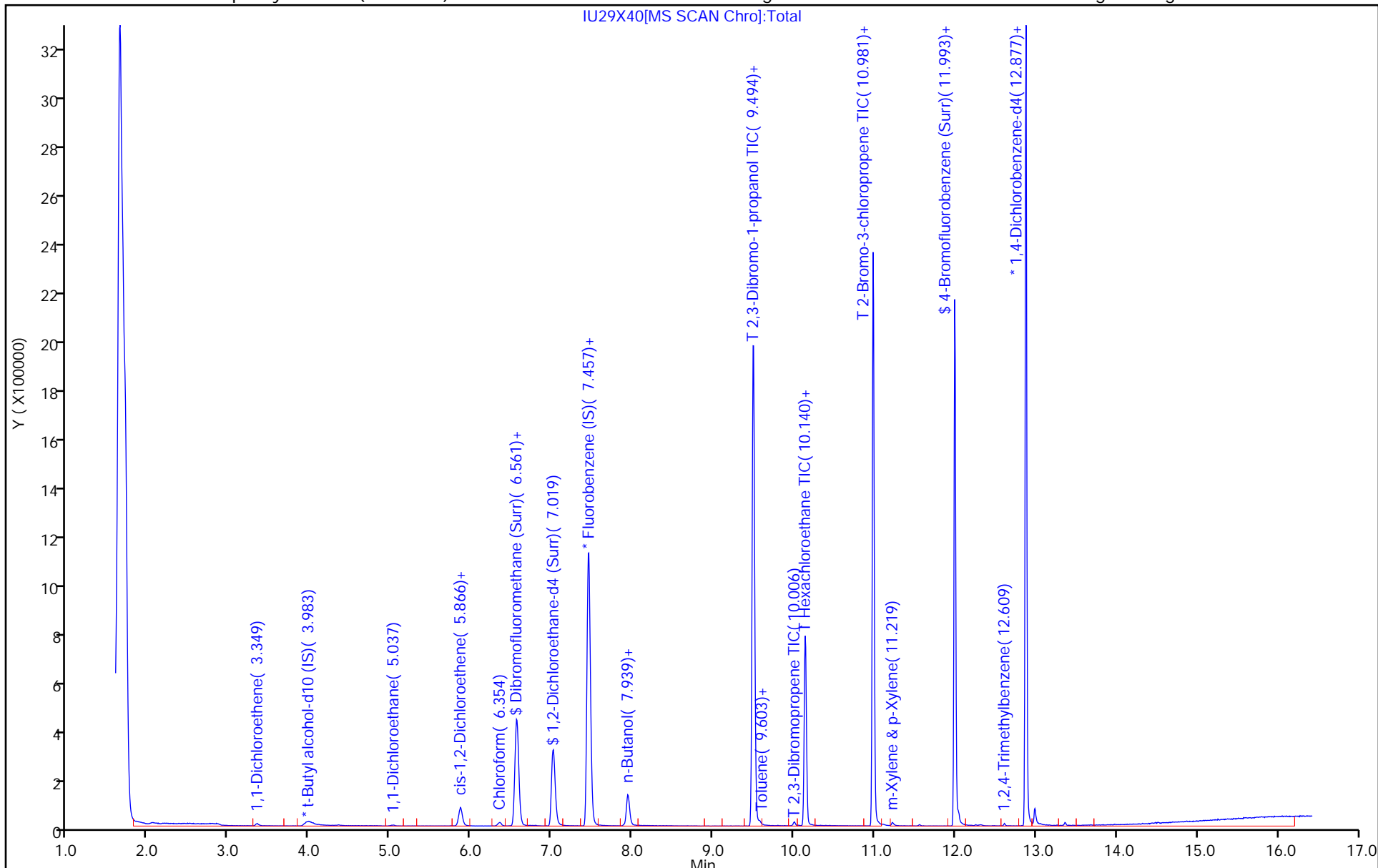
ALS Bottle#: 10

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\20230629-87928.b\IU29X40.D
 Lims ID: 410-131835-A-6
 Client ID: HD-COD-SW-15-0/1-0
 Sample Type: Client
 Inject. Date: 30-Jun-2023 01:06:30 ALS Bottle#: 10 Worklist Smp#: 11
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0087928-011
 Operator ID: gaw91131 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 30-Jun-2023 14:38:14 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1674

First Level Reviewer: innook

Date: 30-Jun-2023 14:38:14

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	9.97	99.70
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	101.95
\$ 78 Toluene-d8 (Surr)	10.0	9.76	97.61
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.90	99.04

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X40.D

Injection Date: 30-Jun-2023 01:06:30

Instrument ID: 19930

Lims ID: 410-131835-A-6

Lab Sample ID: 410-131835-6

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

Operator ID: gaw91131

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

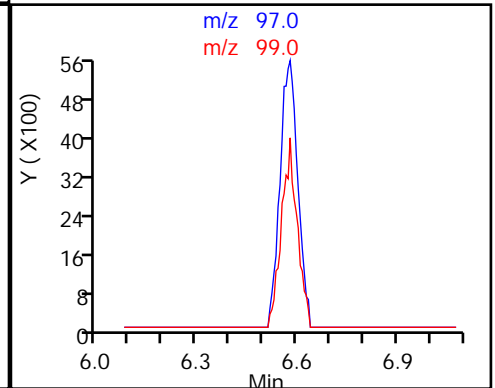
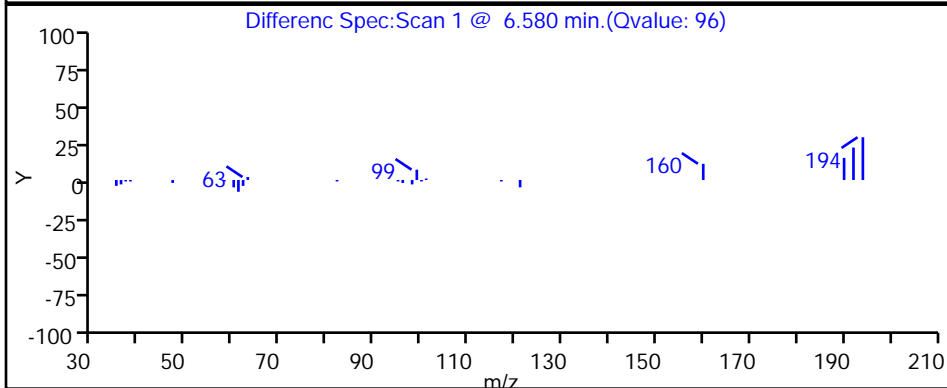
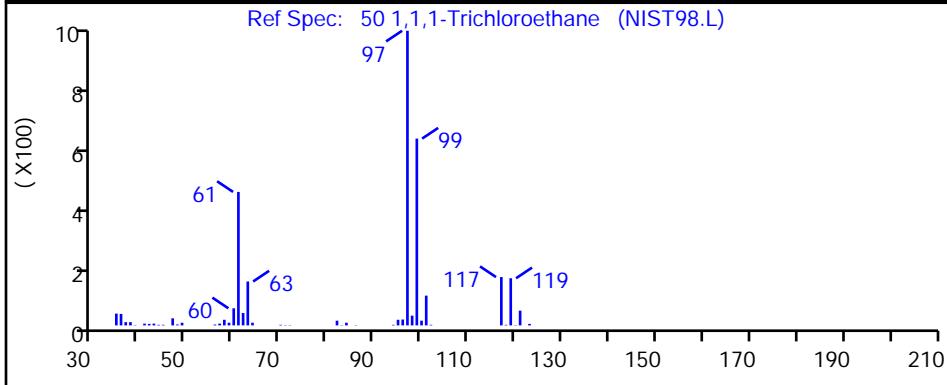
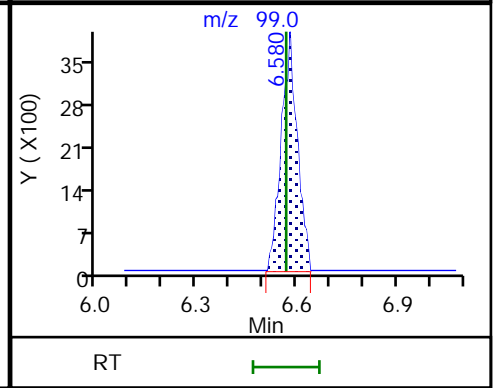
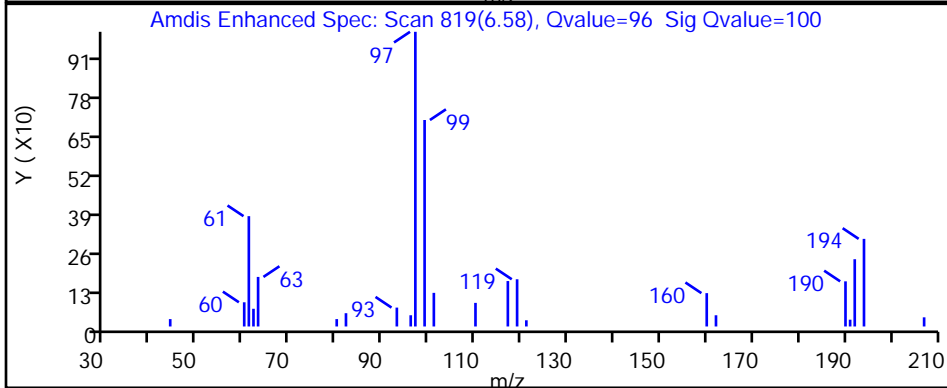
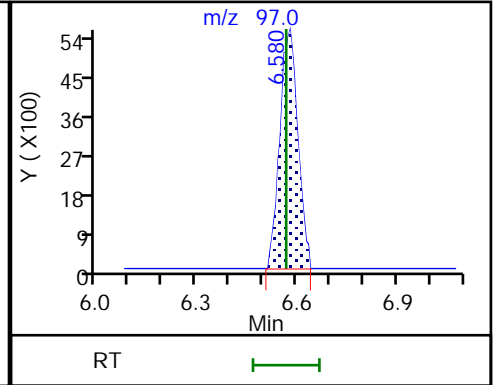
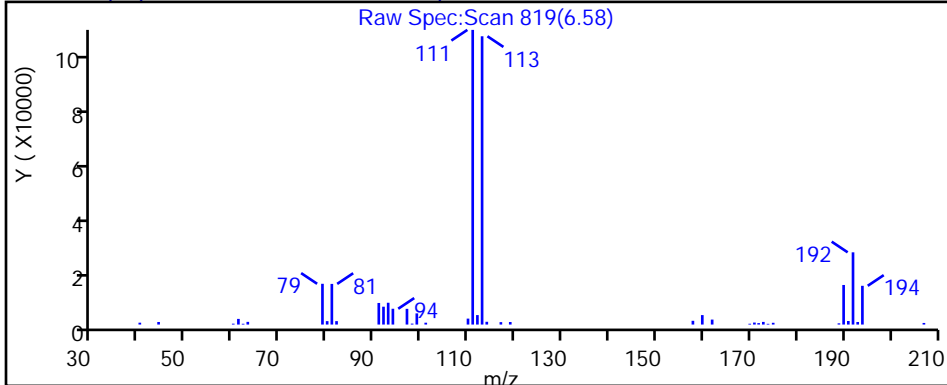
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

50 1,1,1-Trichloroethane, CAS: 71-55-6



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X40.D

Injection Date: 30-Jun-2023 01:06:30

Instrument ID: 19930

Lims ID: 410-131835-A-6

Lab Sample ID: 410-131835-6

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

Operator ID: gaw91131

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

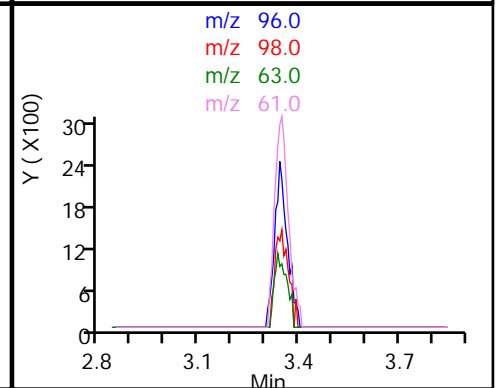
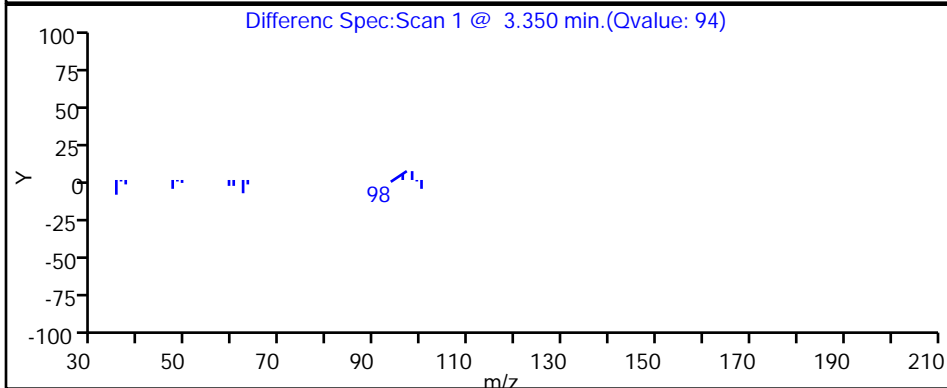
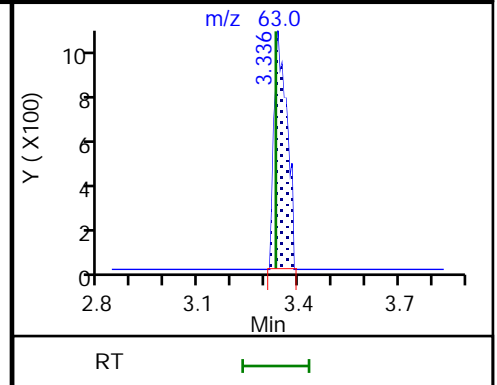
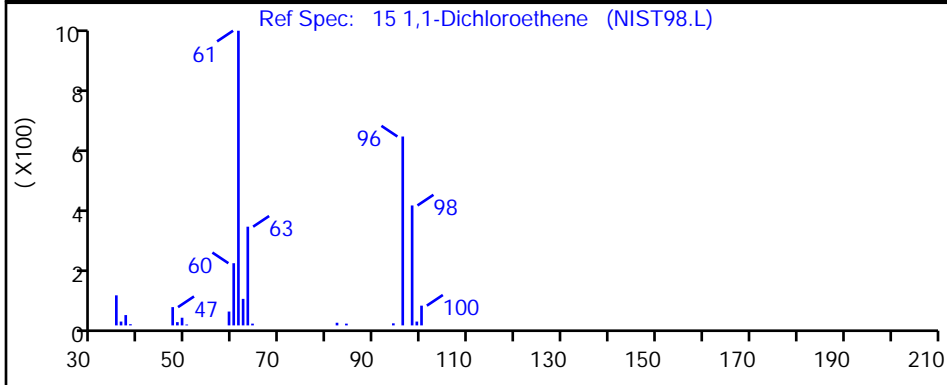
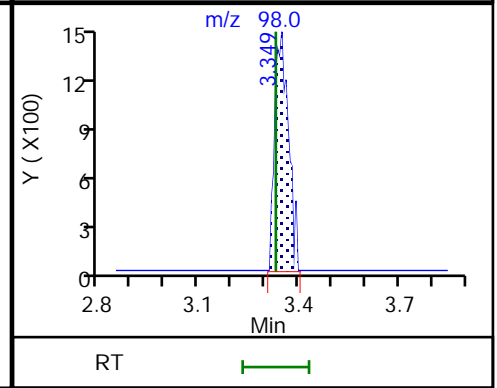
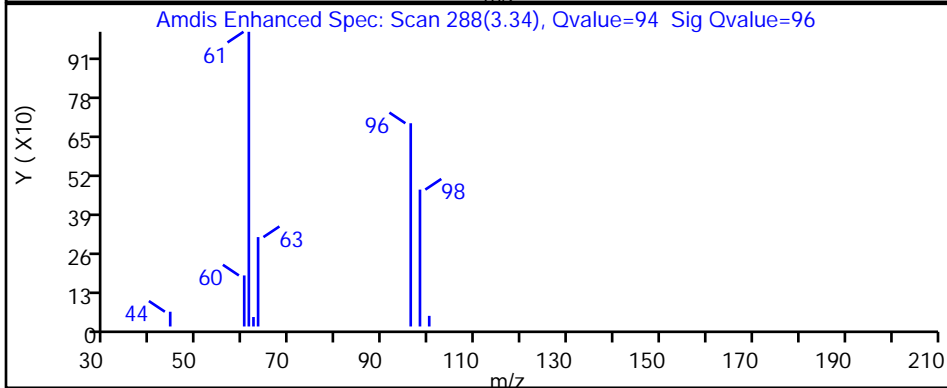
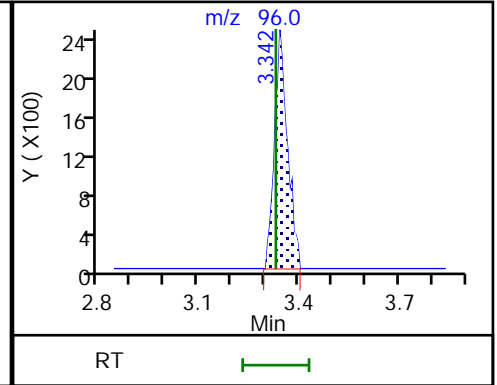
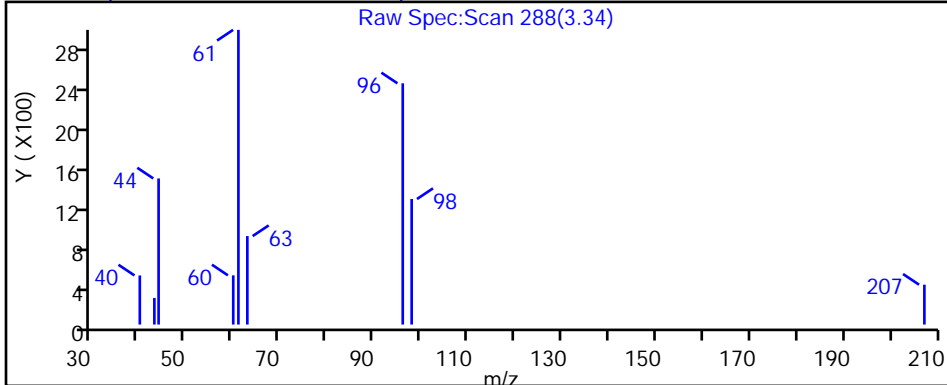
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

15 1,1-Dichloroethene, CAS: 75-35-4



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X40.D

Injection Date: 30-Jun-2023 01:06:30

Instrument ID: 19930

Lims ID: 410-131835-A-6

Lab Sample ID: 410-131835-6

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

Operator ID: gaw91131

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

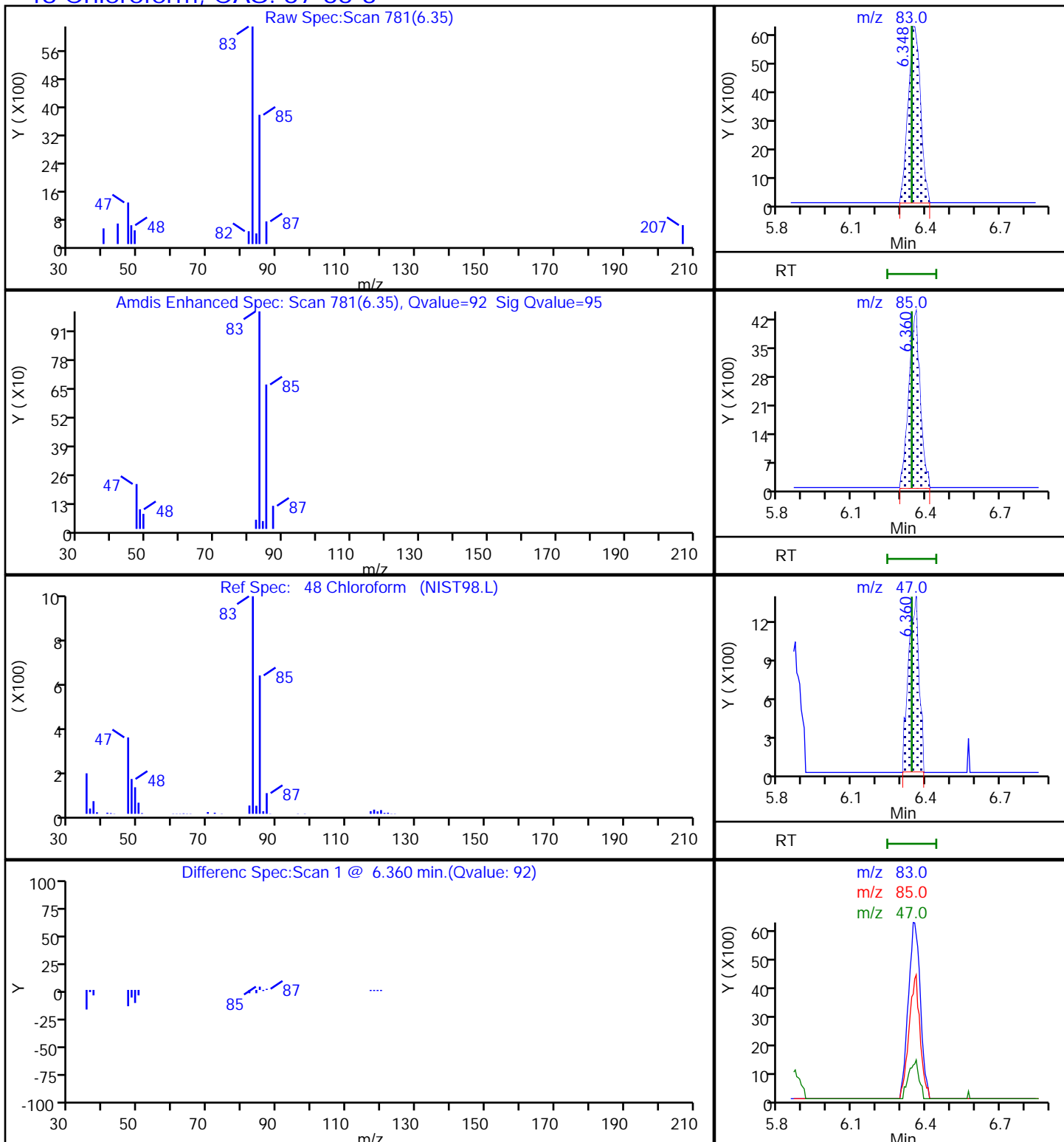
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

48 Chloroform, CAS: 67-66-3



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X40.D

Injection Date: 30-Jun-2023 01:06:30

Instrument ID: 19930

Lims ID: 410-131835-A-6

Lab Sample ID: 410-131835-6

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

Operator ID: gaw91131

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

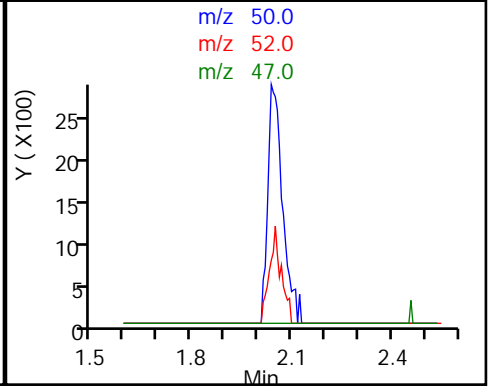
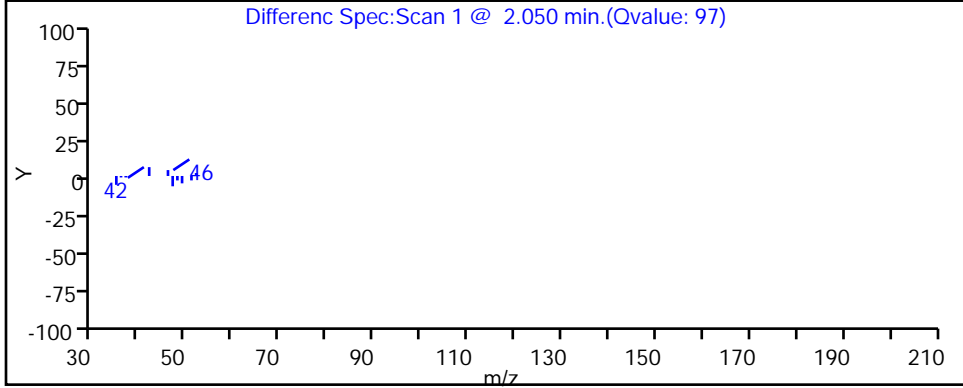
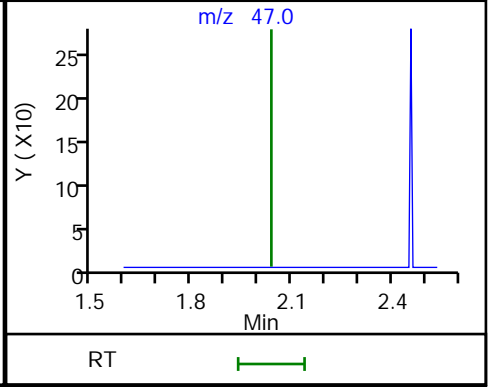
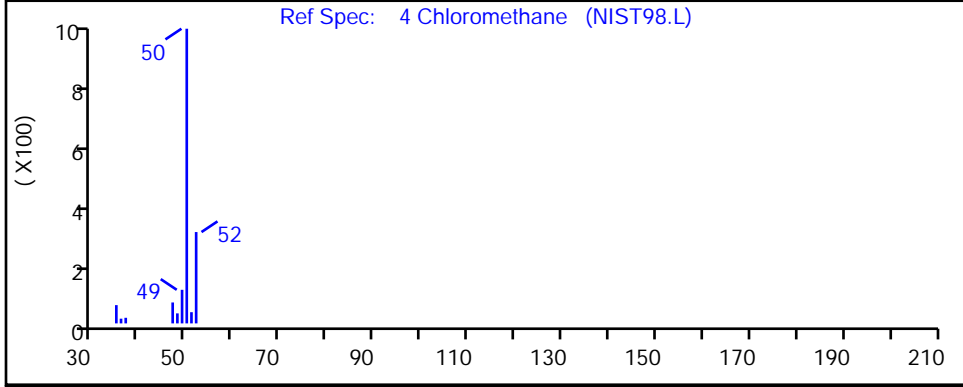
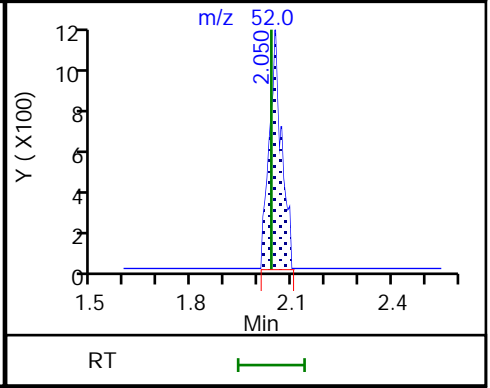
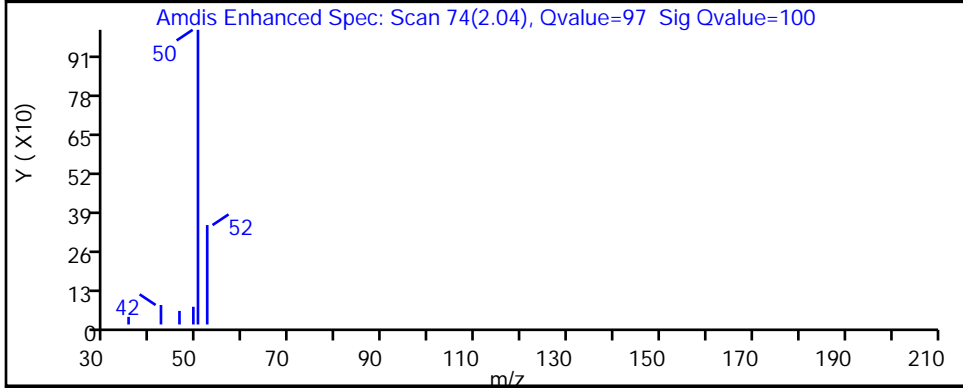
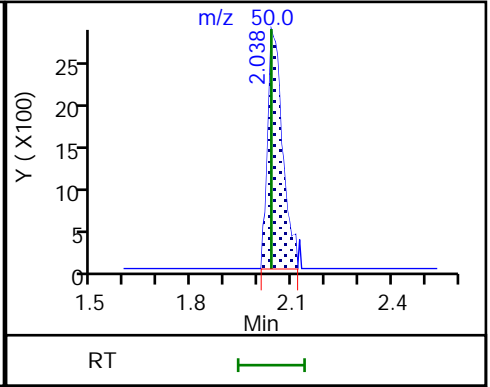
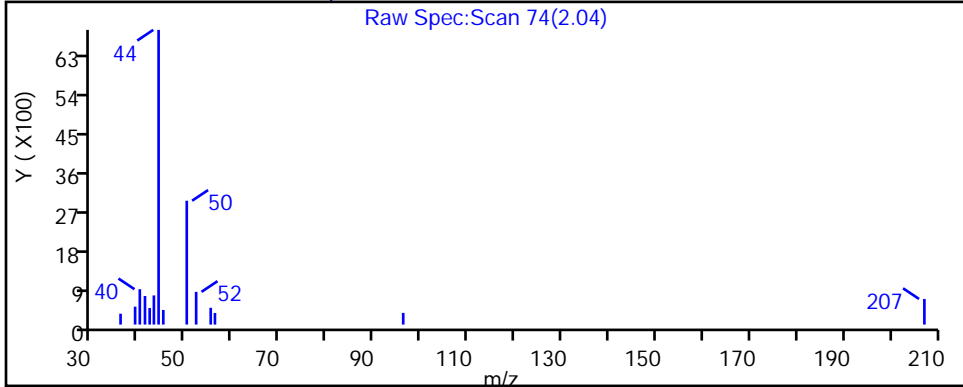
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

4 Chloromethane, CAS: 74-87-3



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X40.D

Injection Date: 30-Jun-2023 01:06:30

Instrument ID: 19930

Lims ID: 410-131835-A-6

Lab Sample ID: 410-131835-6

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

Operator ID: gaw91131

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

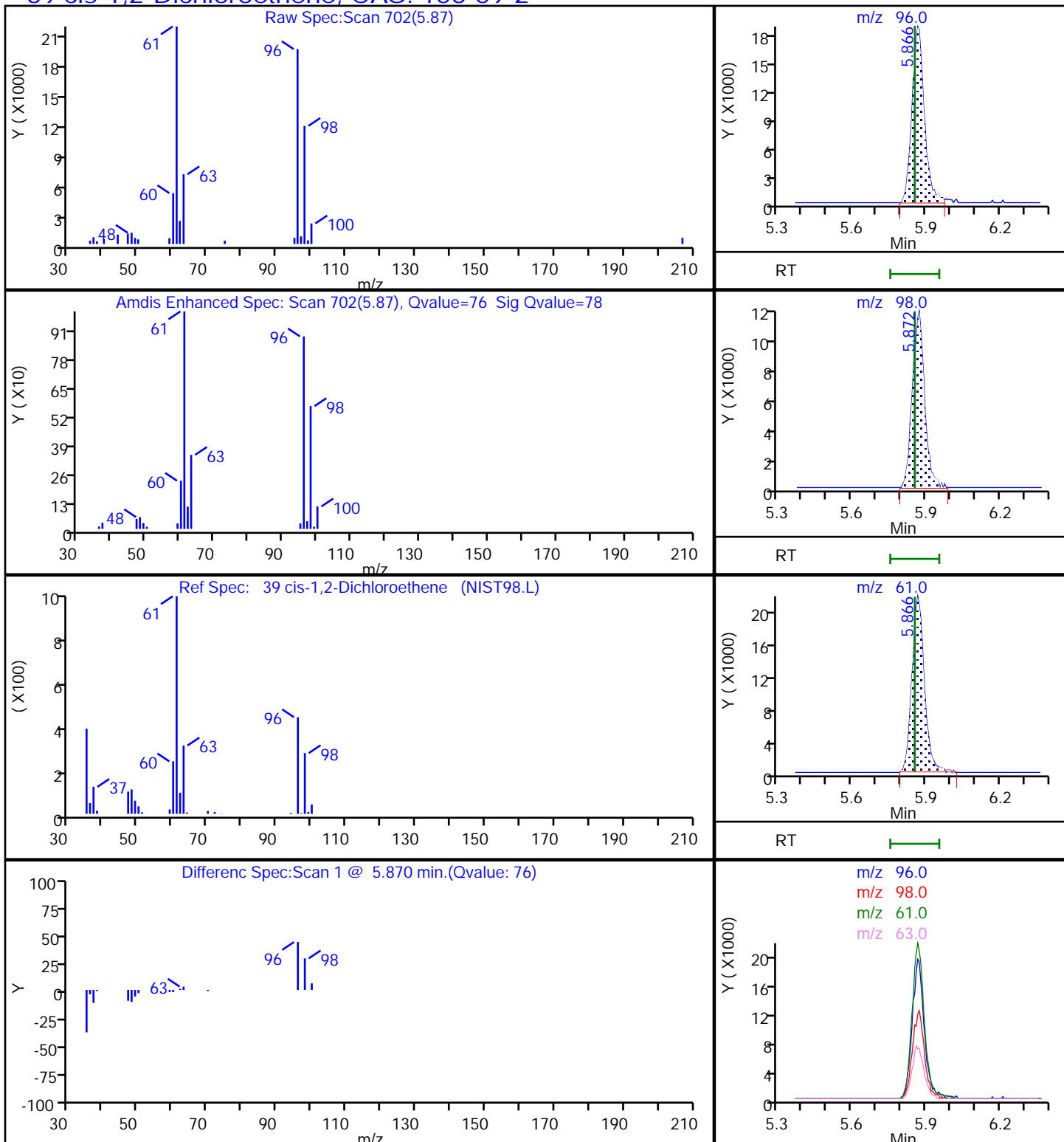
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X40.D

Injection Date: 30-Jun-2023 01:06:30

Instrument ID: 19930

Lims ID: 410-131835-A-6

Lab Sample ID: 410-131835-6

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

Operator ID: gaw91131

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

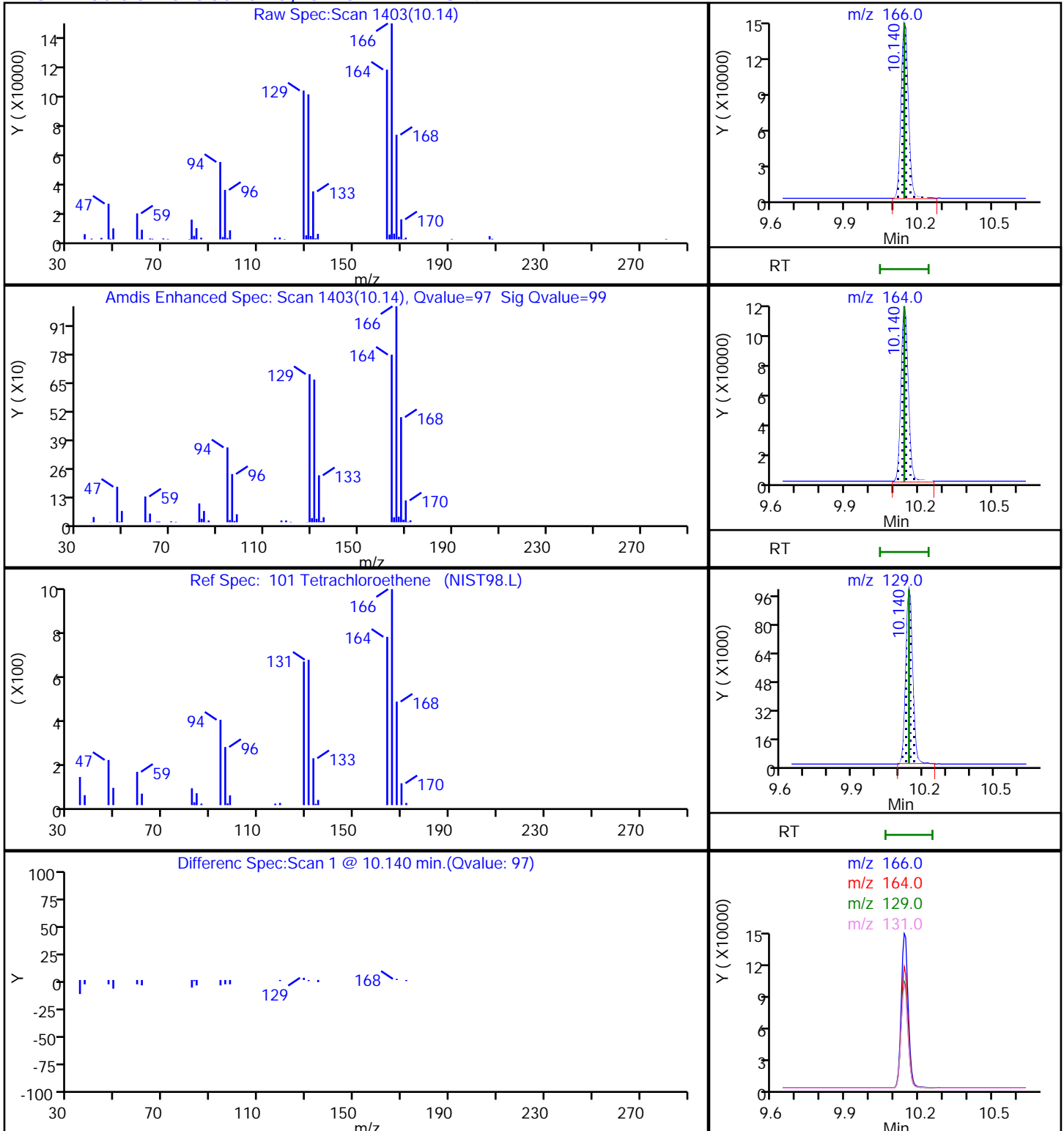
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

101 Tetrachloroethene, CAS: 127-18-4



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X40.D

Injection Date: 30-Jun-2023 01:06:30

Instrument ID: 19930

Lims ID: 410-131835-A-6

Lab Sample ID: 410-131835-6

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

Operator ID: gaw91131

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

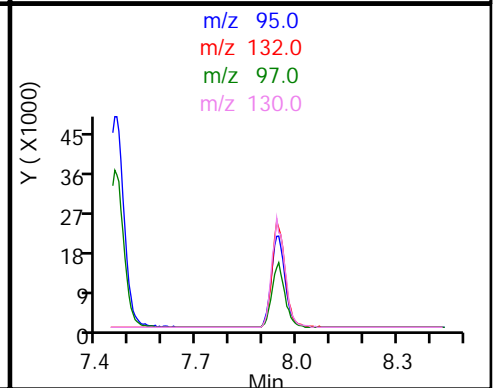
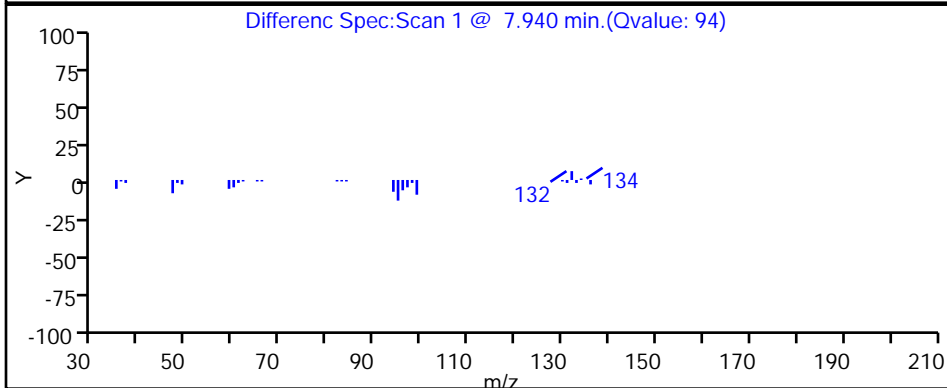
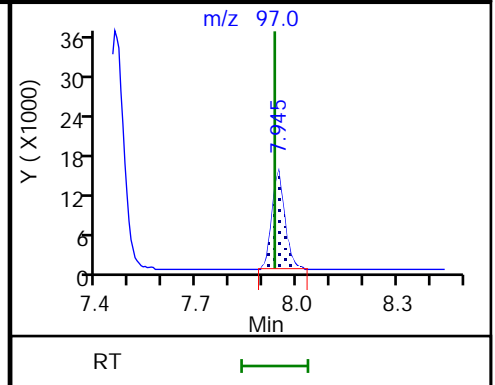
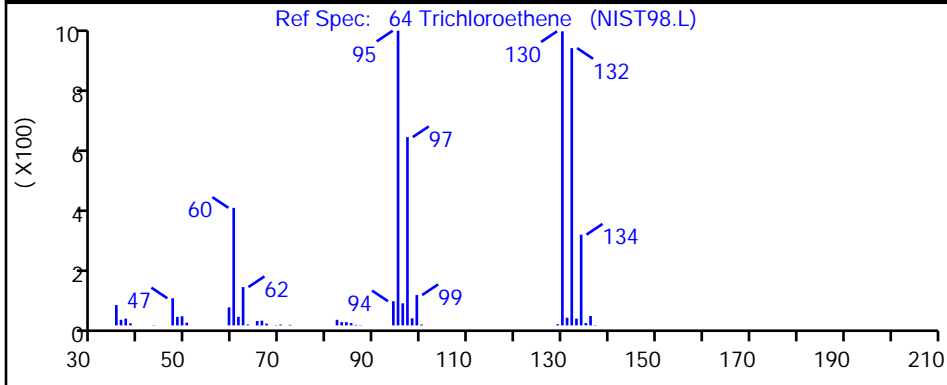
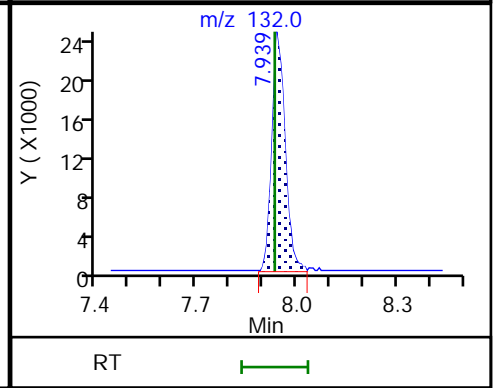
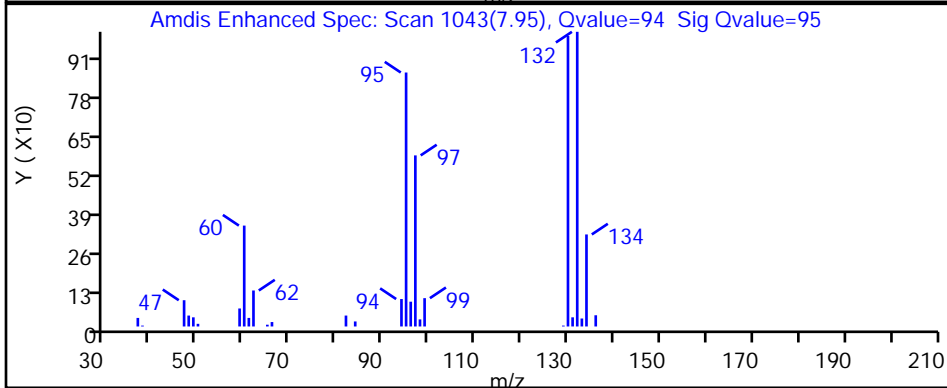
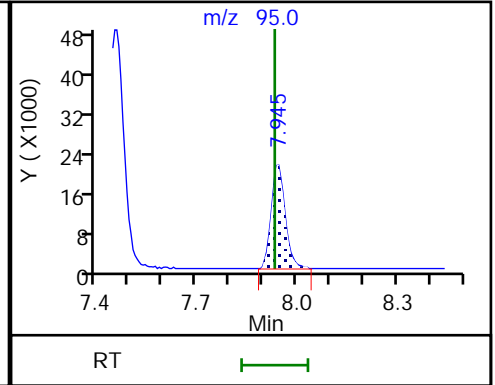
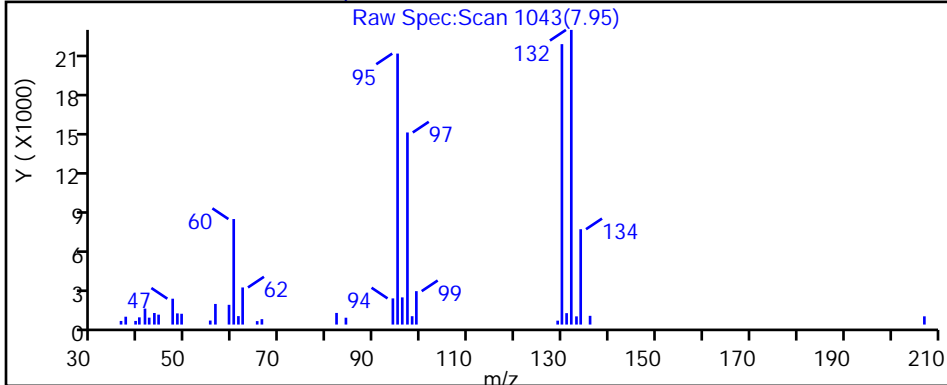
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

64 Trichloroethene, CAS: 79-01-6

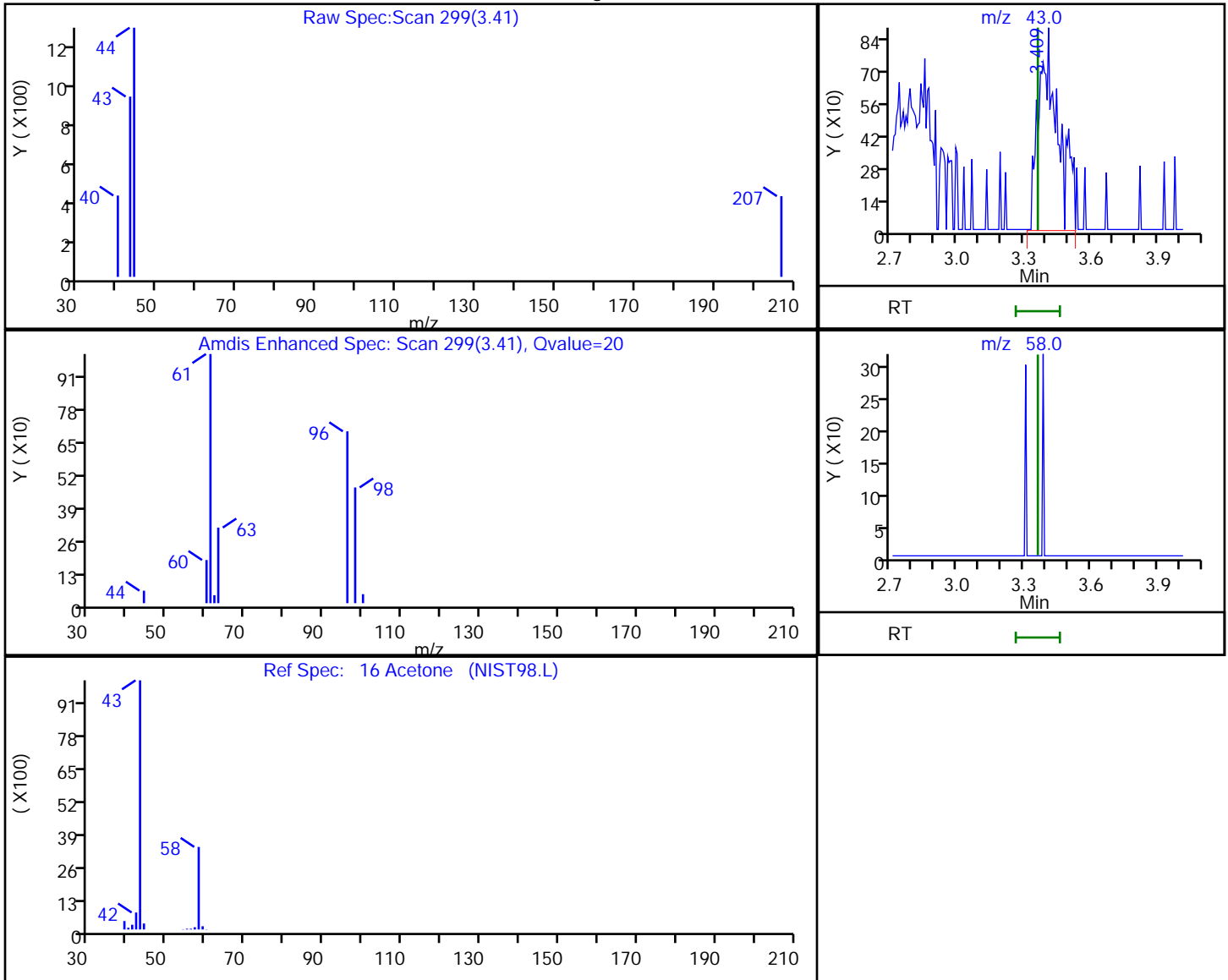


Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X40.D
 Injection Date: 30-Jun-2023 01:06:30 Instrument ID: 19930
 Lims ID: 410-131835-A-6 Lab Sample ID: 410-131835-6
 Client ID: HD-COD-SW-15-0/1-0
 Operator ID: gaw91131 ALS Bottle#: 10 Worklist Smp#: 11
 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

Processing Results



RT	Mass	Response	Amount
3.41	43.00	5453	0.826117
3.36	58.00	0	

Reviewer: innook, 30-Jun-2023 14:35:15 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.: 410-131835-1

SDG No.:

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

Lab Sample ID: 410-131835-7

Matrix: Water

Lab File ID: IU29X59.D

Analysis Method: 8260D

Date Collected: 06/21/2023 09:55

Sample wt/vol: 25 (mL)

Date Analyzed: 06/30/2023 07:46

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.: 392483

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	0.095	J	0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	3.3	J	5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	0.11	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.48	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	1.2		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.: 410-131835-1

SDG No.:

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

Lab Sample ID: 410-131835-7

Matrix: Water

Lab File ID: IU29X59.D

Analysis Method: 8260D

Date Collected: 06/21/2023 09:55

Sample wt/vol: 25 (mL)

Date Analyzed: 06/30/2023 07:46

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.: 392483

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	0.32	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X59.D
 Lims ID: 410-131835-A-7
 Client ID: HD-COD-SW-16-0/1-0
 Sample Type: Client
 Inject. Date: 30-Jun-2023 07:46:30 ALS Bottle#: 29 Worklist Smp#: 30
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0087928-030
 Operator ID: gaw91131 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 08:12:18 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1685

First Level Reviewer: innook Date: 03-Jul-2023 08:18:46

Compound	Sig	RT (min.)	Exp RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50	2.044	2.038	0.006	97	7818	0.1114	
5 Vinyl chloride	62		2.148				ND	7
7 Bromomethane	94		2.459				ND	7
8 Chloroethane	64		2.532				ND	
15 1,1-Dichloroethene	96		3.330				ND	
16 Acetone	43	3.404	3.361	0.043	99	19292	3.29	
20 Carbon disulfide	76	3.635	3.623	0.012	96	5829	0.0465	
25 Methylene Chloride	84		3.958				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.995	3.971	0.024	22	122629	50.0	
29 Methyl tert-butyl ether	73		4.342				ND	
30 trans-1,2-Dichloroethene	96		4.355				ND	
32 1,1-Dichloroethane	63		5.013				ND	
38 2-Butanone (MEK)	43		5.812				ND	
39 cis-1,2-Dichloroethene	96	5.873	5.854	0.019	76	27474	0.4796	
46 Chlorobromomethane	128		6.190				ND	
48 Chloroform	83	6.354	6.342	0.012	90	8031	0.0881	
\$ 49 Dibromofluoromethane (Surr)	113	6.568	6.555	0.013	94	440459	9.94	
50 1,1,1-Trichloroethane	97	6.574	6.568	0.006	36	8090	0.0951	
54 Carbon tetrachloride	117		6.781				ND	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.019	7.007	0.012	62	87311	9.94	
57 Benzene	78		7.043				ND	
58 1,2-Dichloroethane	62		7.110				ND	
* 61 Fluorobenzene (IS)	96	7.458	7.452	0.006	99	1725039	10.0	
64 Trichloroethene	95	7.945	7.933	0.012	96	18006	0.3177	
66 1,2-Dichloropropane	63		8.262				ND	
71 Dichlorobromomethane	83		8.610				ND	7
76 cis-1,3-Dichloropropene	75		9.171				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.354				ND	
\$ 78 Toluene-d8 (Surr)	98	9.494	9.494	0.000	93	1763025	9.77	
79 Toluene	92	9.579	9.573	0.006	97	5286	0.0371	
97 trans-1,3-Dichloropropene	75		9.841				ND	
100 1,1,2-Trichloroethane	97		10.049				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.140	10.140	0.000	97	90909	1.22	
103 2-Hexanone	43		10.268				ND	
105 Chlorodibromomethane	129		10.433				ND	
106 Ethylene Dibromide	107		10.542				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.981	10.981	0.000	84	1403390	10.0	
109 Chlorobenzene	112		11.006				ND	
111 1,1,1,2-Tetrachloroethane	131		11.091				ND	
112 Ethylbenzene	91		11.097				ND	
113 m-Xylene & p-Xylene	106		11.213				ND	7
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.542				ND	
115 Styrene	104		11.561				ND	
116 Bromoform	173		11.719				ND	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.993	11.993	0.000	97	672963	9.90	
121 1,1,2,2-Tetrachloroethane	83		12.097				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	93	861923	10.0	

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\20230629-87928.b\IU29X59.D

Injection Date: 30-Jun-2023 07:46:30

Instrument ID: 19930

Operator ID: gaw91131

Lims ID: 410-131835-A-7

Lab Sample ID: 410-131835-7

Worklist Smp#: 30

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

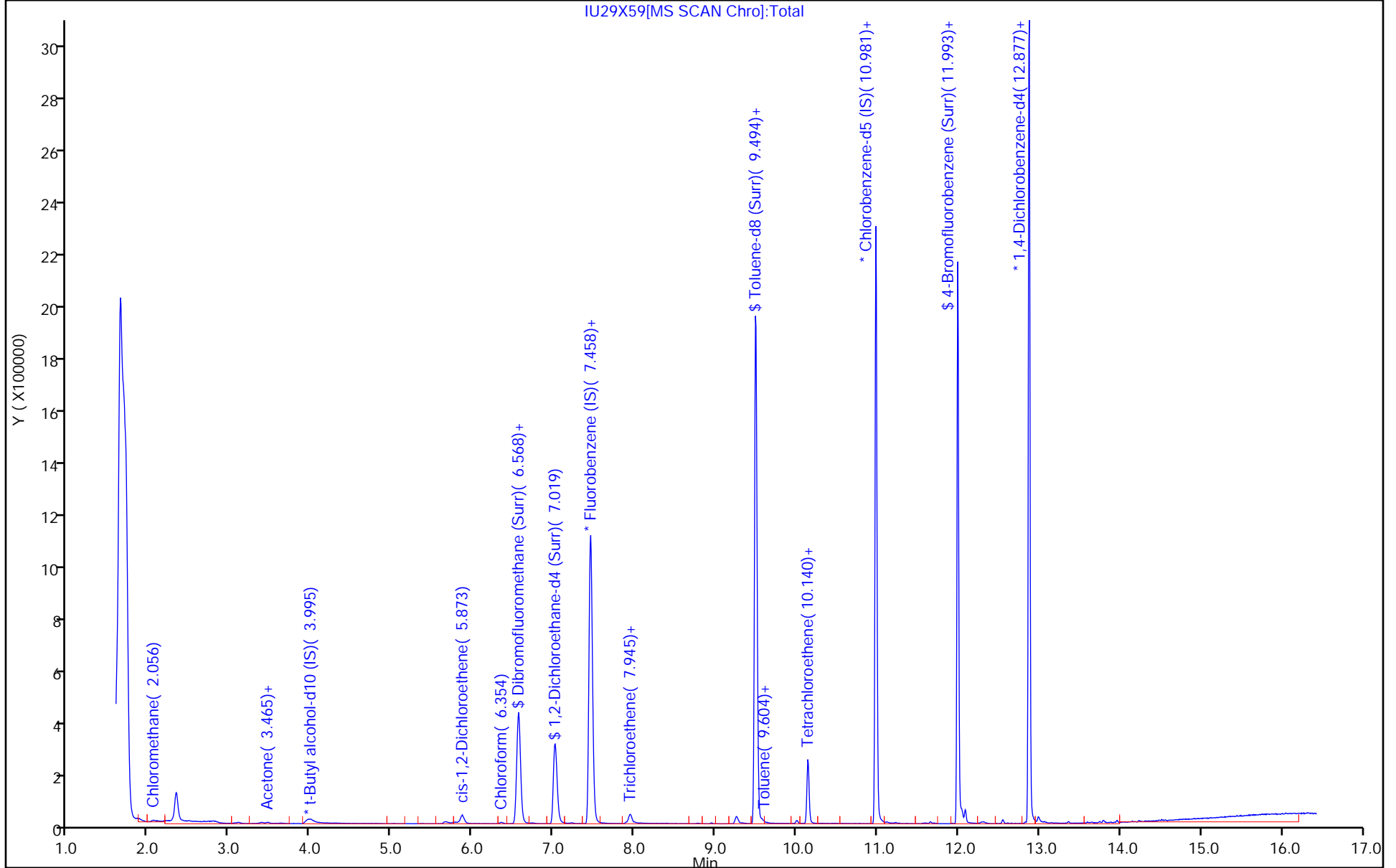
ALS Bottle#: 29

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\20230629-87928.b\IU29X59.D
 Lims ID: 410-131835-A-7
 Client ID: HD-COD-SW-16-0/1-0
 Sample Type: Client
 Inject. Date: 30-Jun-2023 07:46:30 ALS Bottle#: 29 Worklist Smp#: 30
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0087928-030
 Operator ID: gaw91131 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 08:12:18 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1685

First Level Reviewer: innook

Date: 03-Jul-2023 08:18:46

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	9.94	99.41
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	9.94	99.38
\$ 78 Toluene-d8 (Surr)	10.0	9.77	97.71
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.90	98.98

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X59.D

Injection Date: 30-Jun-2023 07:46:30

Instrument ID: 19930

Lims ID: 410-131835-A-7

Lab Sample ID: 410-131835-7

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

Operator ID: gaw91131

ALS Bottle#: 29

Worklist Smp#: 30

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

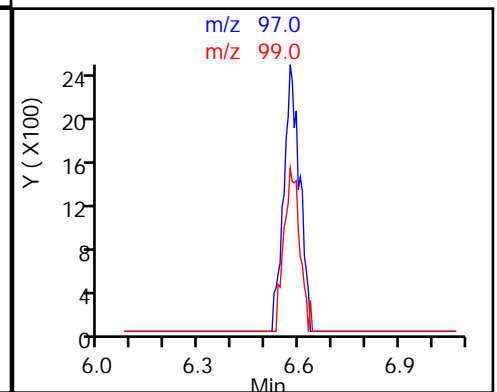
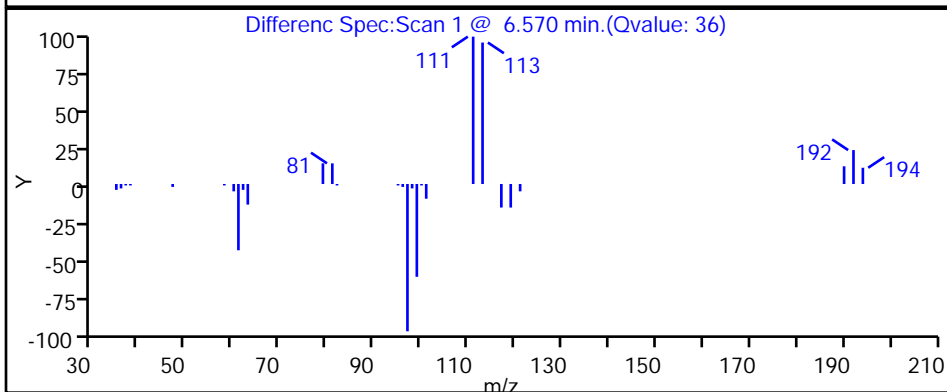
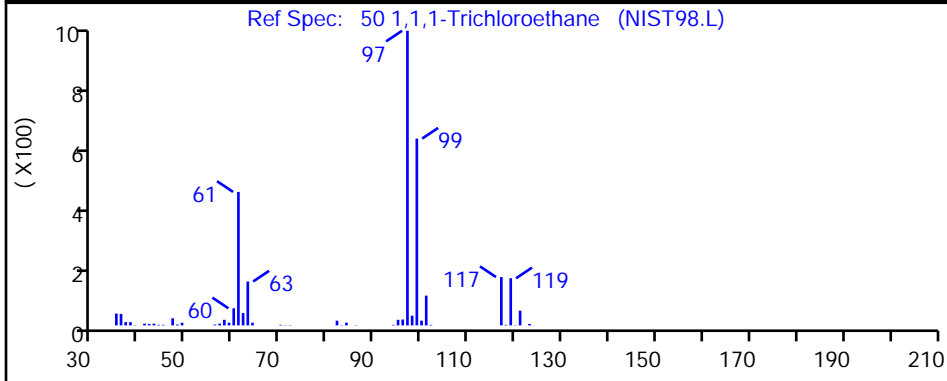
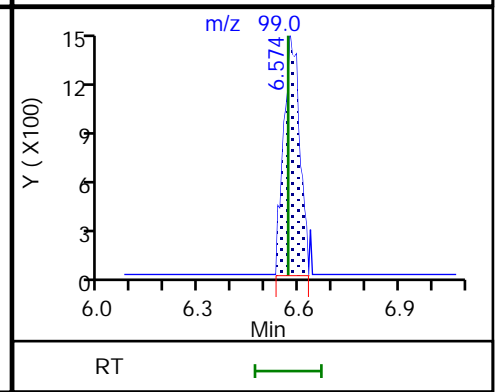
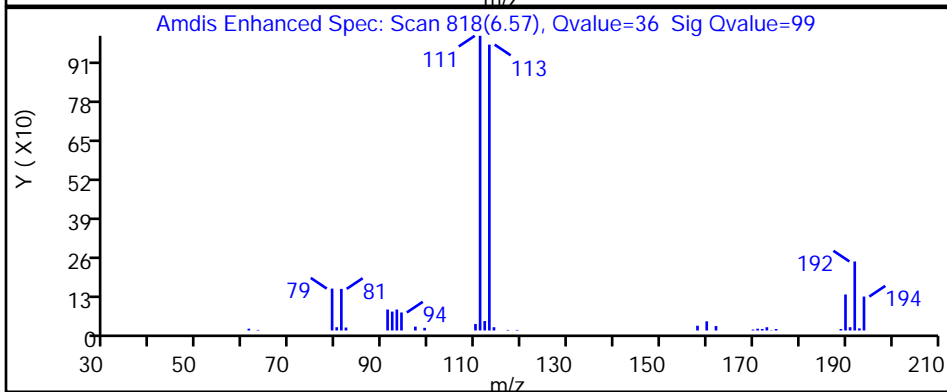
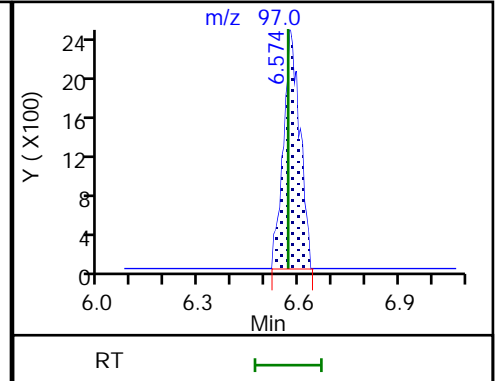
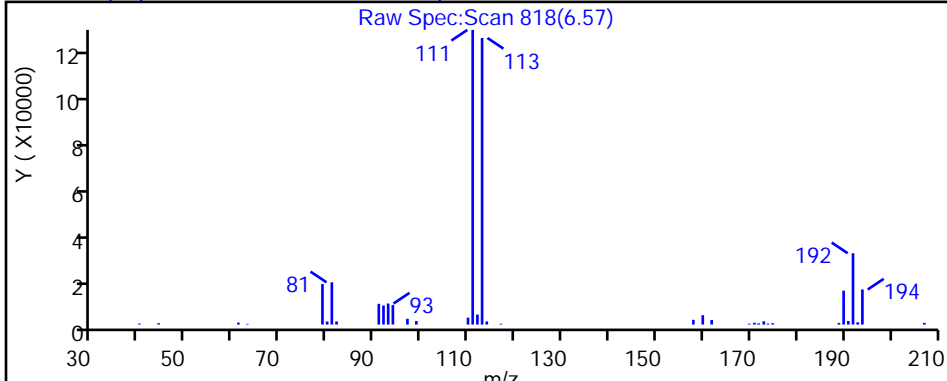
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

50 1,1,1-Trichloroethane, CAS: 71-55-6



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X59.D

Injection Date: 30-Jun-2023 07:46:30

Instrument ID: 19930

Lims ID: 410-131835-A-7

Lab Sample ID: 410-131835-7

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

Operator ID: gaw91131

ALS Bottle#: 29

Worklist Smp#: 30

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

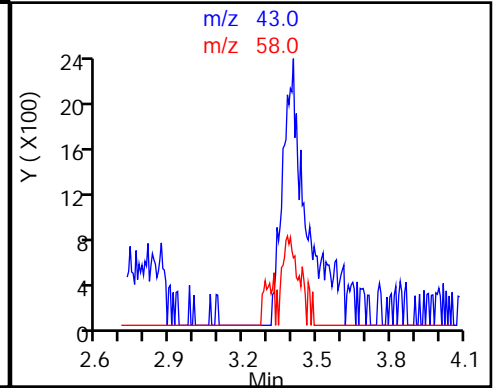
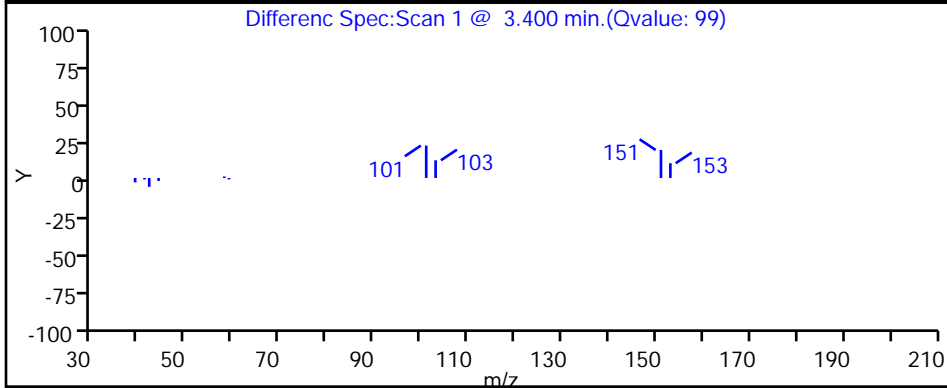
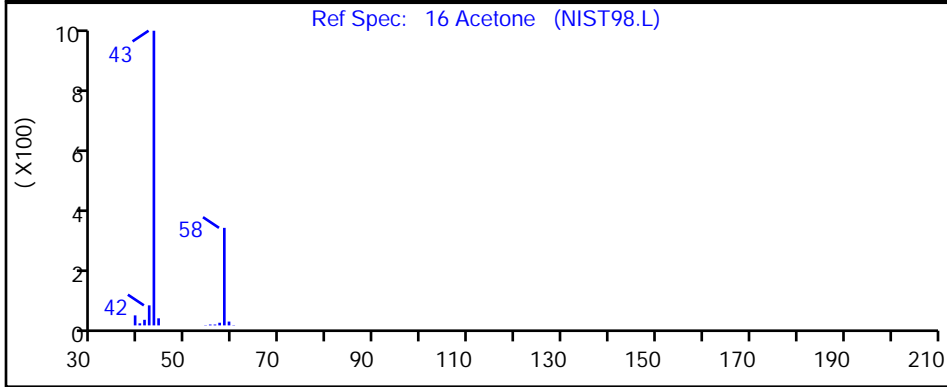
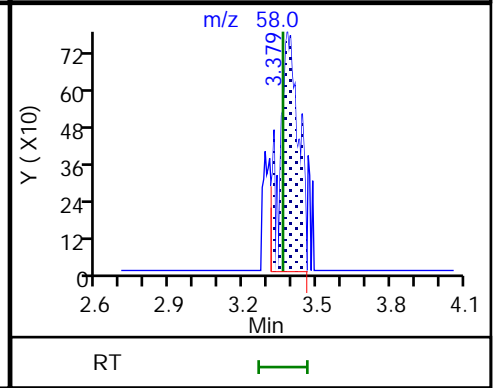
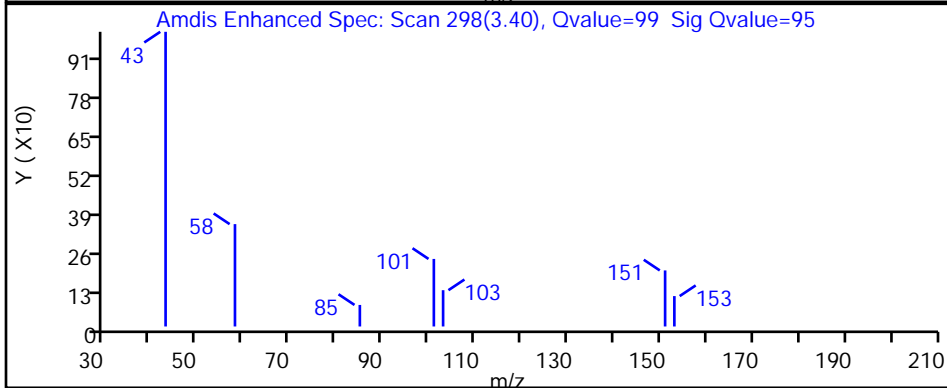
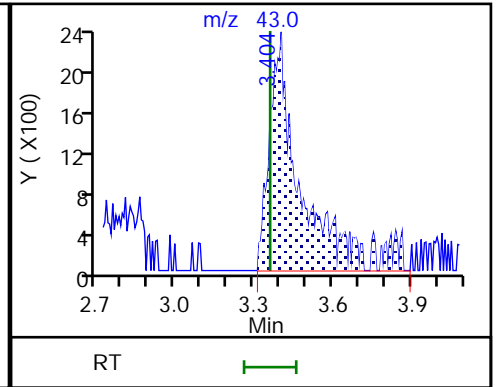
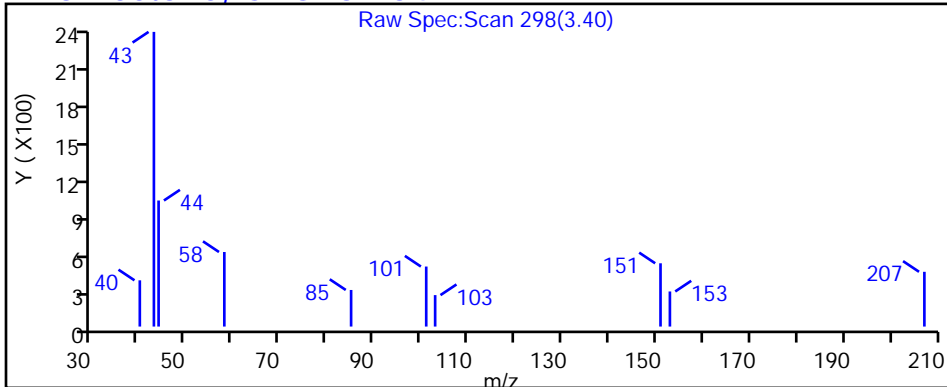
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

16 Acetone, CAS: 67-64-1



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X59.D

Injection Date: 30-Jun-2023 07:46:30 Instrument ID: 19930

Lims ID: 410-131835-A-7 Lab Sample ID: 410-131835-7

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

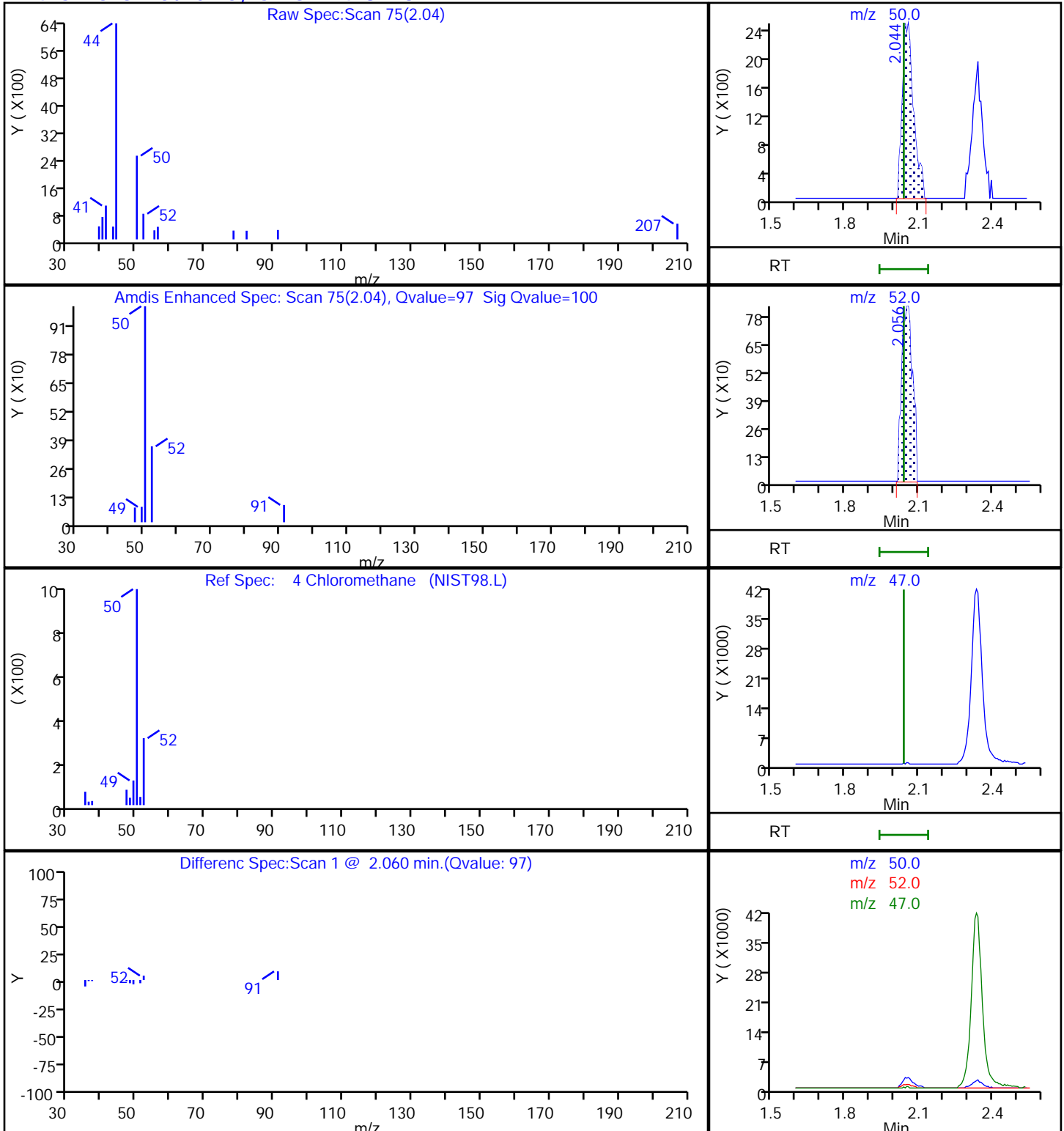
Operator ID: gaw91131 ALS Bottle#: 29 Worklist Smp#: 30

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) MS Quad

4 Chloromethane, CAS: 74-87-3



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X59.D

Injection Date: 30-Jun-2023 07:46:30

Instrument ID: 19930

Lims ID: 410-131835-A-7

Lab Sample ID: 410-131835-7

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

Operator ID: gaw91131

ALS Bottle#: 29

Worklist Smp#: 30

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

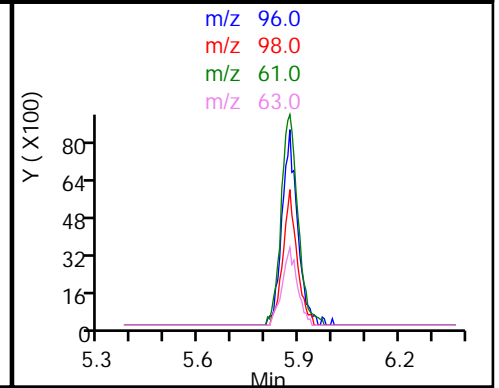
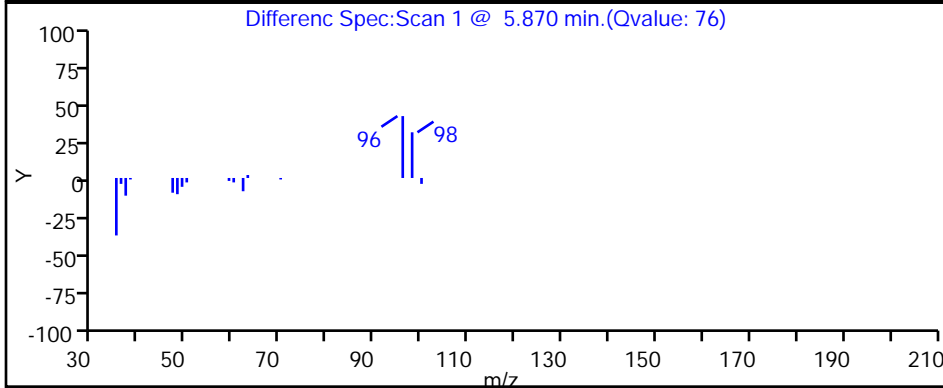
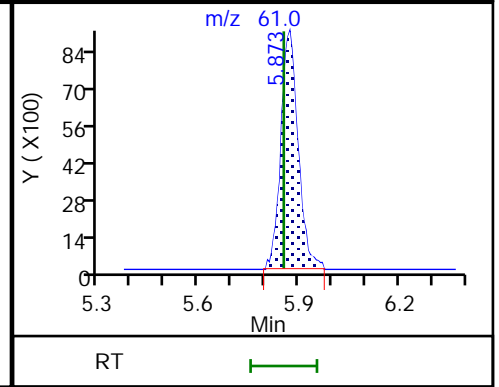
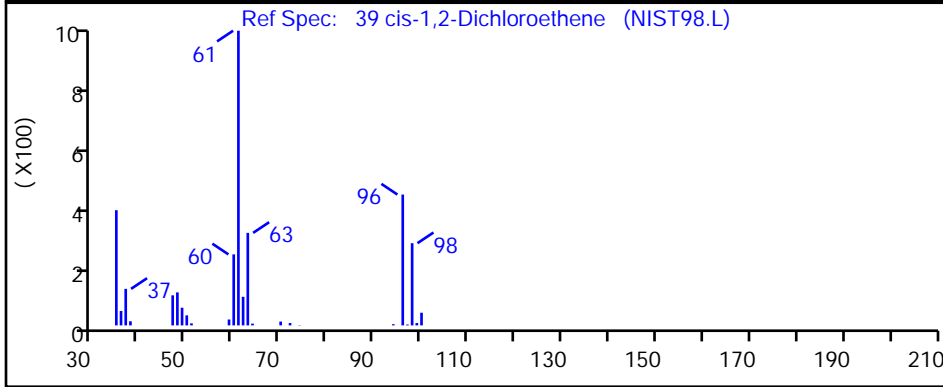
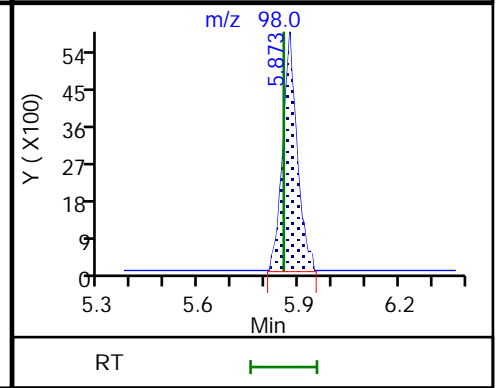
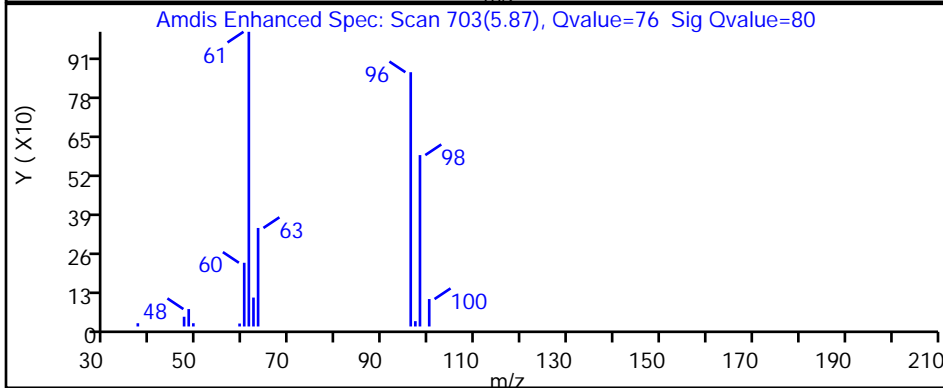
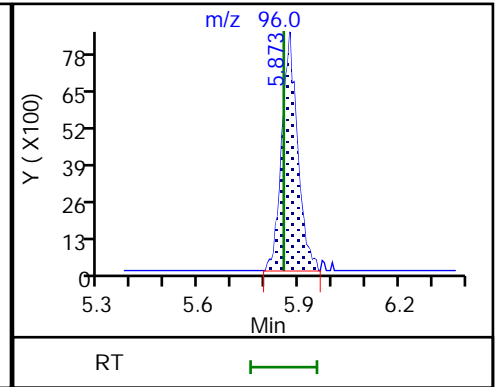
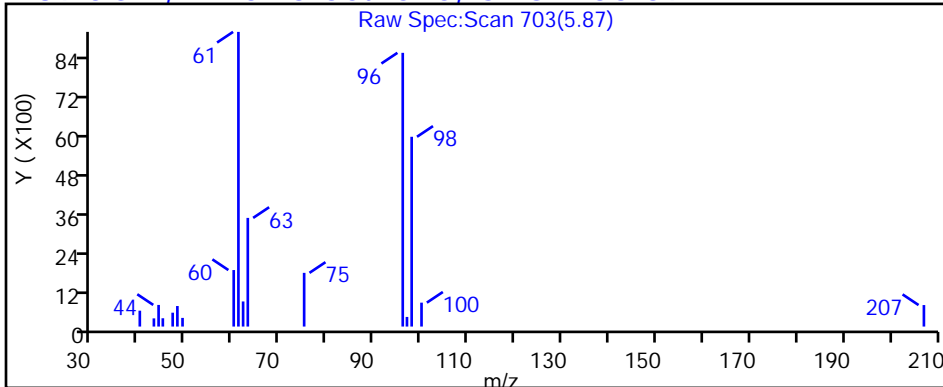
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X59.D

Injection Date: 30-Jun-2023 07:46:30

Instrument ID: 19930

Lims ID: 410-131835-A-7

Lab Sample ID: 410-131835-7

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

Operator ID: gaw91131

ALS Bottle#: 29

Worklist Smp#: 30

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

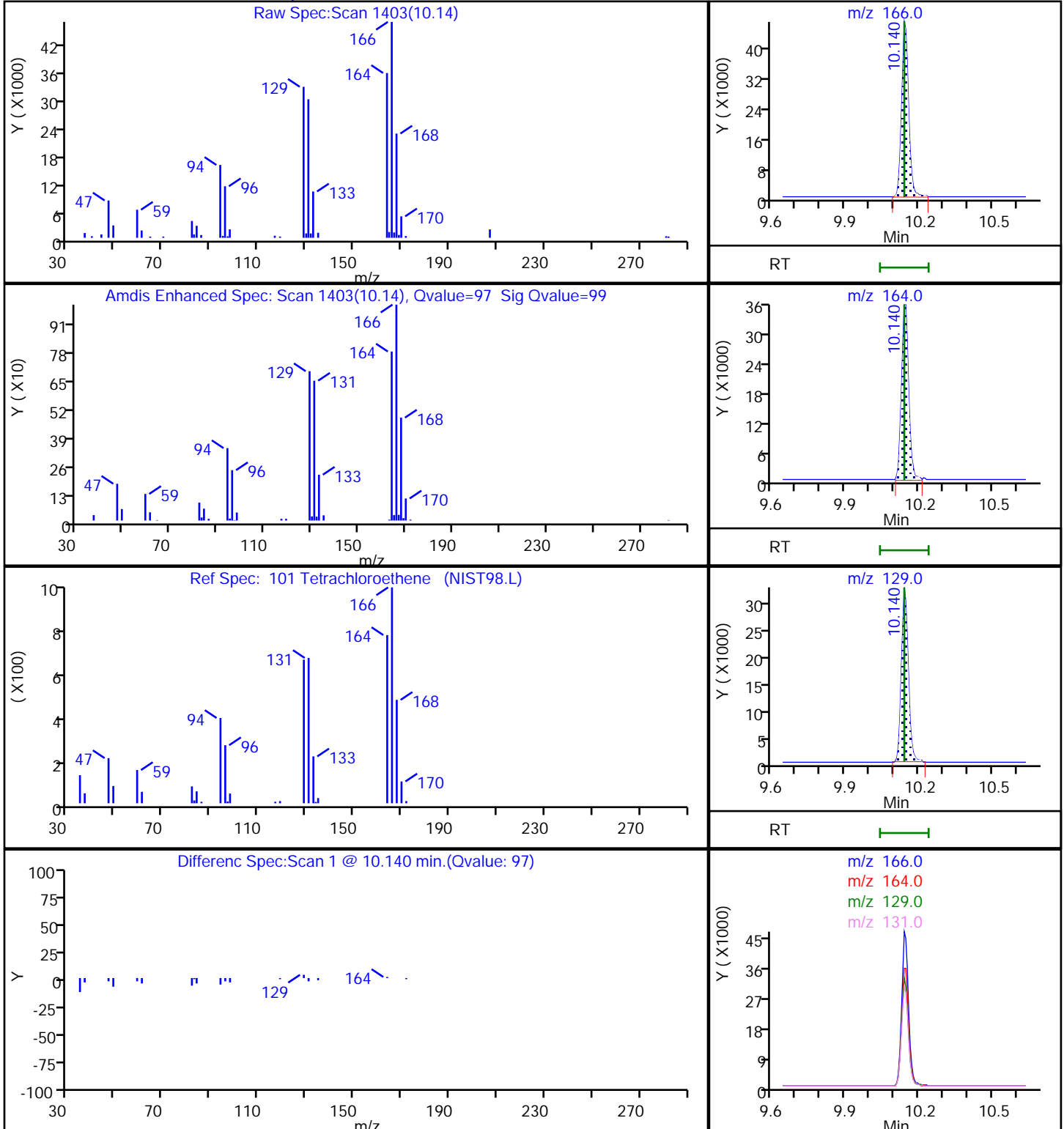
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

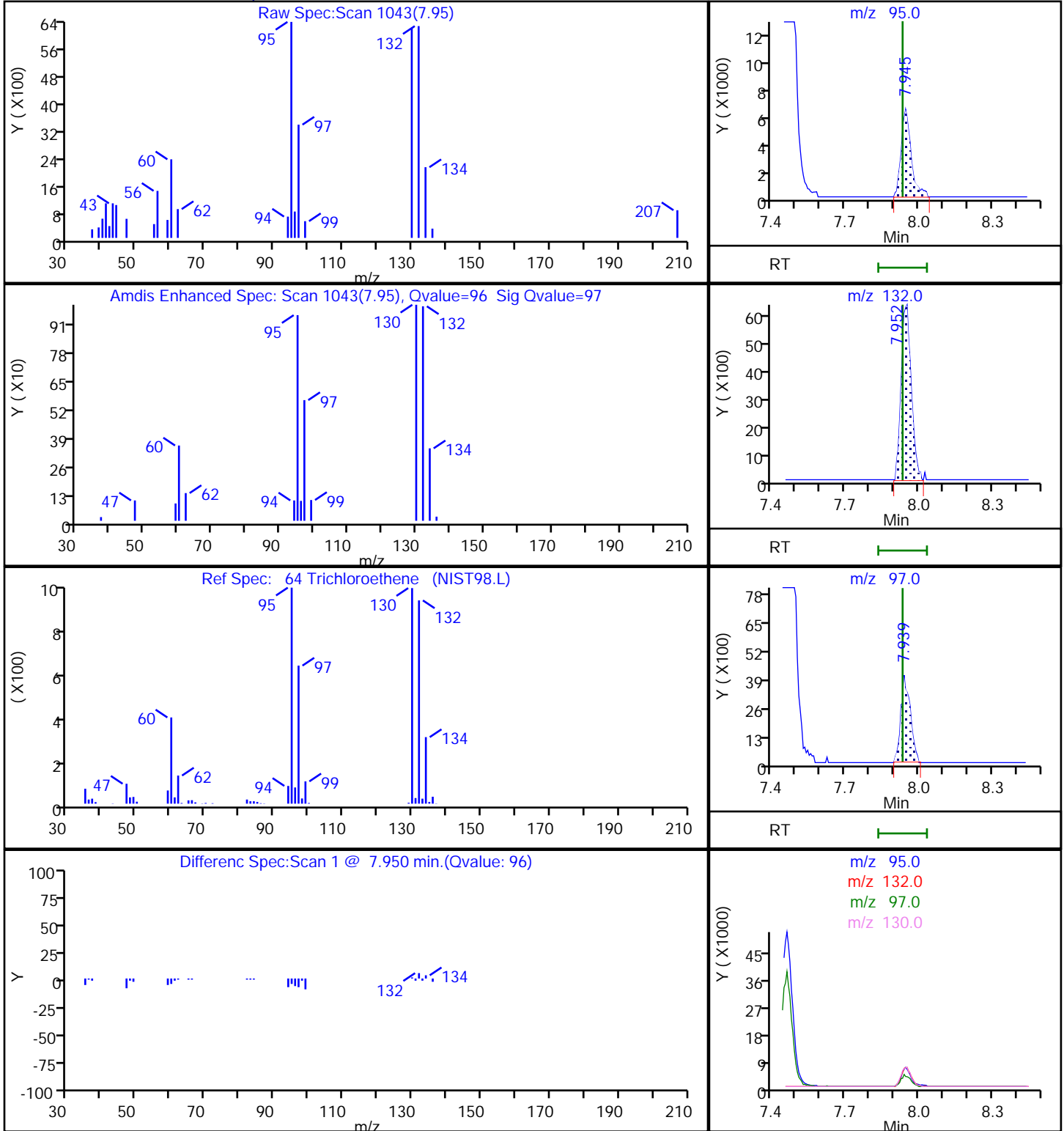
MS Quad

101 Tetrachloroethene, CAS: 127-18-4



Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X59.D
Injection Date: 30-Jun-2023 07:46:30 Instrument ID: 19930
Lims ID: 410-131835-A-7 Lab Sample ID: 410-131835-7
Client ID: HD-COD-SW-16-0/1-0
Operator ID: gaw91131 ALS Bottle#: 29 Worklist Smp#: 30
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) MS Quad

64 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

SDG No.:

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

Lab Sample ID: 410-131835-8

Matrix: Water

Lab File ID: IL02X11.D

Analysis Method: 8260D

Date Collected: 06/21/2023 10:05

Sample wt/vol: 25 (mL)

Date Analyzed: 07/02/2023 15:14

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 393012

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	2.9		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	0.70		0.50	0.10
75-35-4	1,1-Dichloroethene	0.26	J	0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	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		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.17	J	0.50	0.090
74-87-3	Chloromethane	0.19	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	2.9		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
108-88-3	Toluene	ND		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

SDG No.:

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

Lab Sample ID: 410-131835-8

Matrix: Water

Lab File ID: IL02X11.D

Analysis Method: 8260D

Date Collected: 06/21/2023 10:05

Sample wt/vol: 25 (mL)

Date Analyzed: 07/02/2023 15:14

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 393012

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)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
 Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X11.D
 Lims ID: 410-131835-A-8
 Client ID: HD-COD-SW-17-0/1-0
 Sample Type: Client
 Inject. Date: 02-Jul-2023 15:14:30 ALS Bottle#: 11 Worklist Smp#: 12
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088040-012
 Operator ID: knk41612 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 10:52:50 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: DVW2 Date: 03-Jul-2023 10:47:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50	2.044	2.050	-0.006	44	12491	0.1850	M
5 Vinyl chloride	62	2.160	2.160	0.000	91	4971	0.0770	
7 Bromomethane	94		2.471				ND	7
8 Chloroethane	64		2.544				ND	
15 1,1-Dichloroethene	96	3.349	3.349	0.000	96	11701	0.2629	
16 Acetone	43	3.397	3.367	0.030	77	11515	1.80	
20 Carbon disulfide	76		3.635				ND	7
25 Methylene Chloride	84		3.970				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.989	3.983	0.006	25	133666	50.0	
29 Methyl tert-butyl ether	73		4.361				ND	7
30 trans-1,2-Dichloroethene	96	4.367	4.367	0.000	75	1660	0.0335	
32 1,1-Dichloroethane	63	5.031	5.025	0.006	96	59771	0.7044	
38 2-Butanone (MEK)	43		5.824				ND	
39 cis-1,2-Dichloroethene	96	5.866	5.866	0.000	77	159784	2.90	
46 Chlorobromomethane	128		6.196				ND	
48 Chloroform	83	6.354	6.348	0.006	92	14979	0.1709	
\$ 49 Dibromofluoromethane (Surr)	113	6.568	6.567	0.001	94	429875	10.1	
50 1,1,1-Trichloroethane	97	6.574	6.574	0.000	97	241115	2.95	
54 Carbon tetrachloride	117		6.787				ND	7
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.019	7.013	0.006	62	85102	10.1	
57 Benzene	78		7.049				ND	
58 1,2-Dichloroethane	62		7.122				ND	
* 61 Fluorobenzene (IS)	96	7.458	7.458	0.000	99	1659544	10.0	
64 Trichloroethene	95	7.939	7.939	0.000	96	126455	2.32	
66 1,2-Dichloropropane	63		8.268				ND	
71 Dichlorobromomethane	83		8.616				ND	
76 cis-1,3-Dichloropropene	75		9.177				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.354				ND	
\$ 78 Toluene-d8 (Surr)	98	9.500	9.494	0.006	93	1703188	9.79	
79 Toluene	92	9.573	9.573	0.000	98	7261	0.0529	
97 trans-1,3-Dichloropropene	75		9.841				ND	
100 1,1,2-Trichloroethane	97		10.049				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.140	10.140	0.000	97	3004477	42.0	E
103 2-Hexanone	43		10.268				ND	
105 Chlorodibromomethane	129		10.433				ND	
106 Ethylene Dibromide	107		10.542				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.981	10.981	0.000	84	1353223	10.0	
109 Chlorobenzene	112		11.006				ND	
111 1,1,1,2-Tetrachloroethane	131		11.091				ND	
112 Ethylbenzene	91		11.097				ND	7
113 m-Xylene & p-Xylene	106	11.225	11.213	0.012	91	4767	0.0441	
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.542				ND	7
115 Styrene	104		11.560				ND	
116 Bromoform	173		11.719				ND	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.993	11.993	0.000	97	644100	9.83	
121 1,1,2,2-Tetrachloroethane	83		12.097				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	93	817005	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_LLcentISS_00007

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X11.D

Injection Date: 02-Jul-2023 15:14:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: 410-131835-A-8

Lab Sample ID: 410-131835-8

Worklist Smp#: 12

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

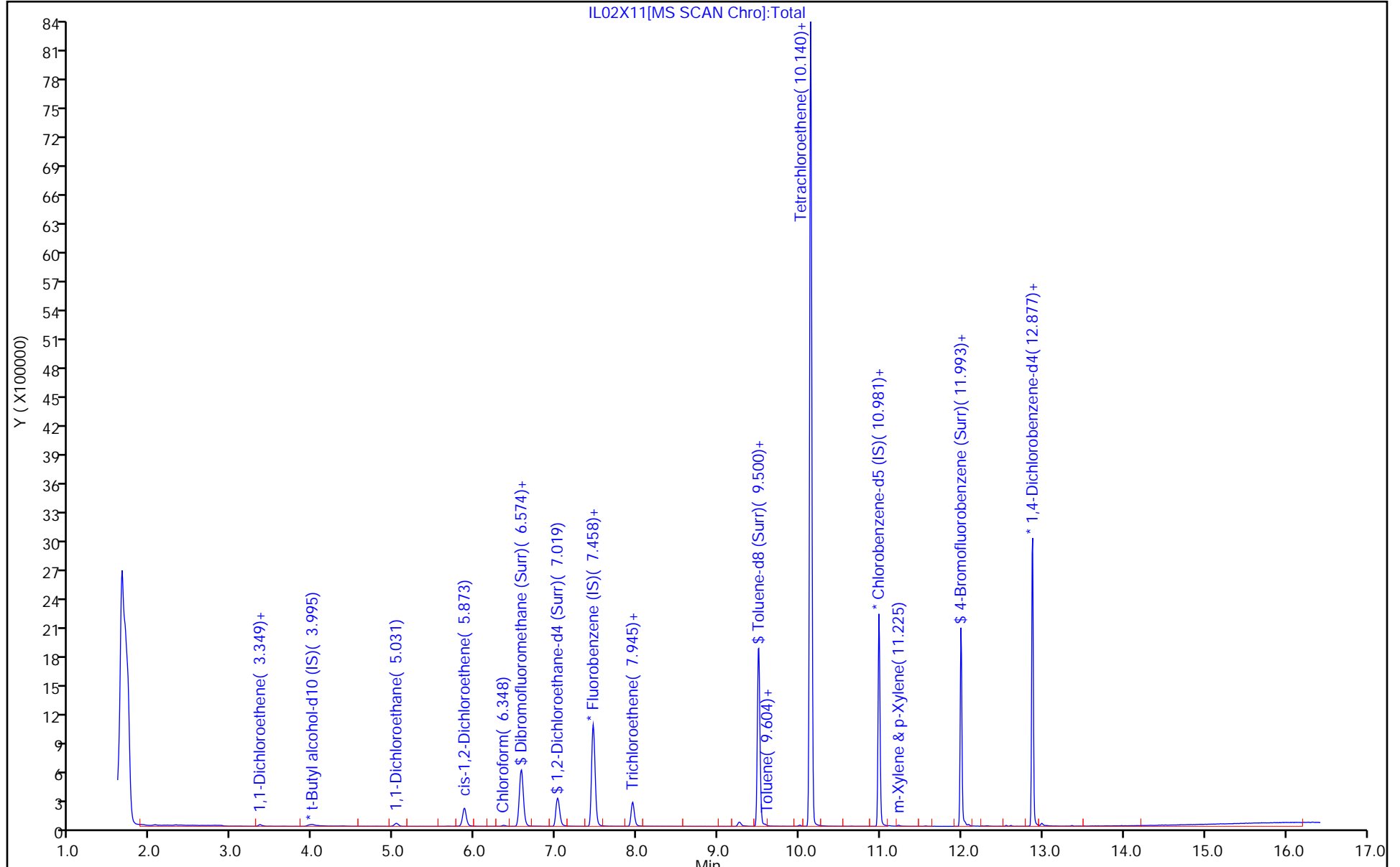
ALS Bottle#: 11

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
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X11.D
 Lims ID: 410-131835-A-8
 Client ID: HD-COD-SW-17-0/1-0
 Sample Type: Client
 Inject. Date: 02-Jul-2023 15:14:30 ALS Bottle#: 11 Worklist Smp#: 12
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088040-012
 Operator ID: knk41612 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 10:52:50 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: DVW2

Date: 03-Jul-2023 10:47:55

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	10.1	100.85
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	100.69
\$ 78 Toluene-d8 (Surr)	10.0	9.79	97.90
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.83	98.25

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X11.D

Injection Date: 02-Jul-2023 15:14:30

Instrument ID: 19930

Lims ID: 410-131835-A-8

Lab Sample ID: 410-131835-8

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

Operator ID: knk41612

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

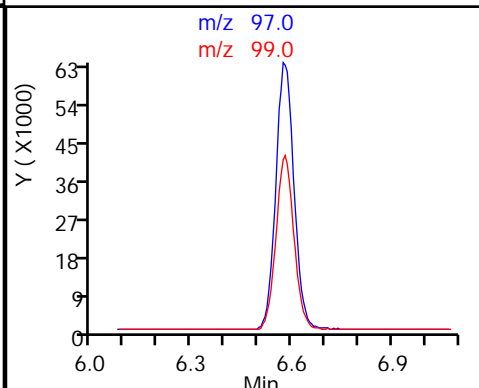
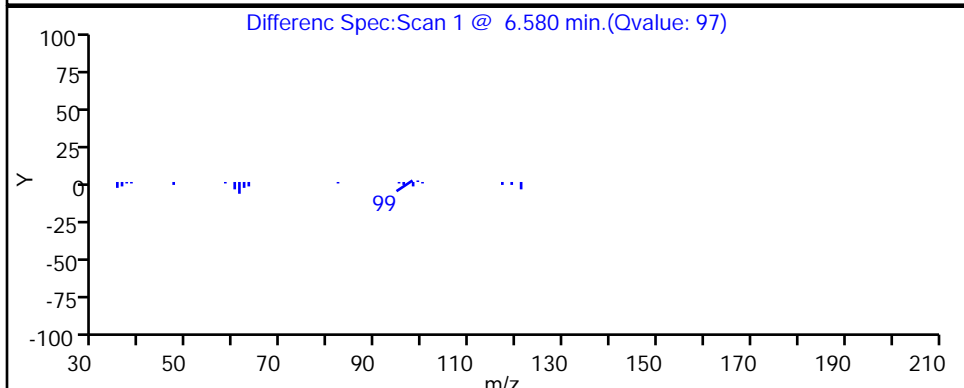
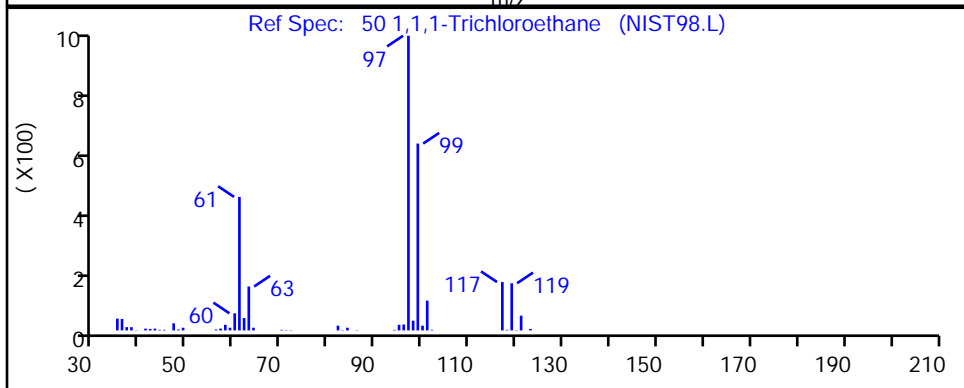
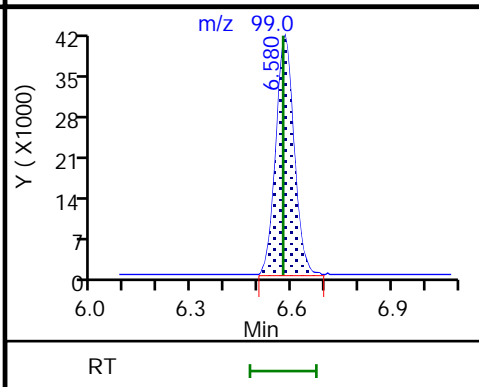
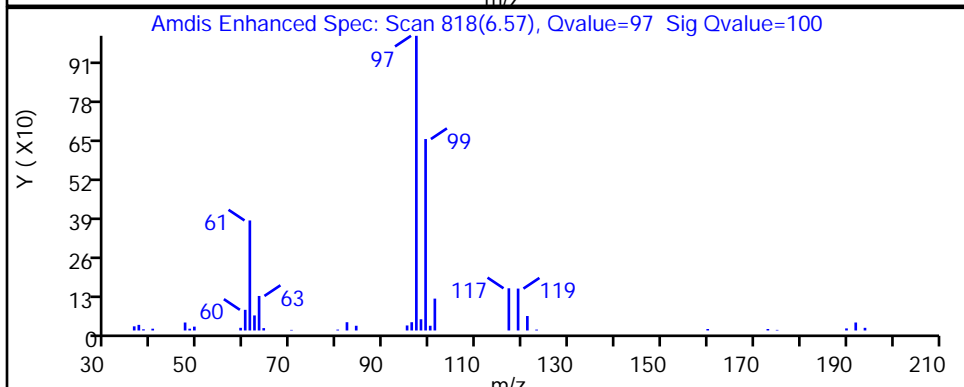
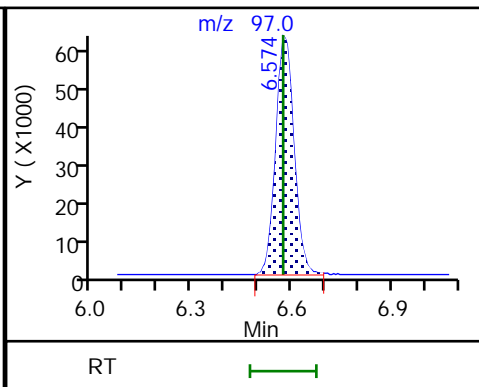
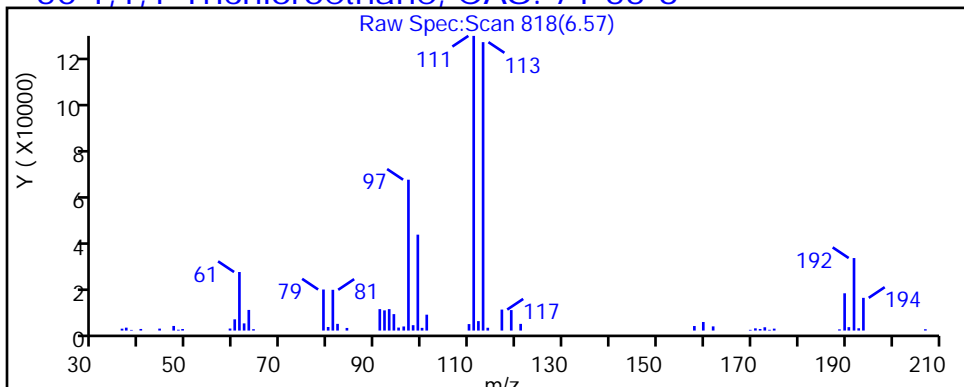
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

50 1,1,1-Trichloroethane, CAS: 71-55-6



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X11.D

Injection Date: 02-Jul-2023 15:14:30

Instrument ID: 19930

Lims ID: 410-131835-A-8

Lab Sample ID: 410-131835-8

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

Operator ID: knk41612

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

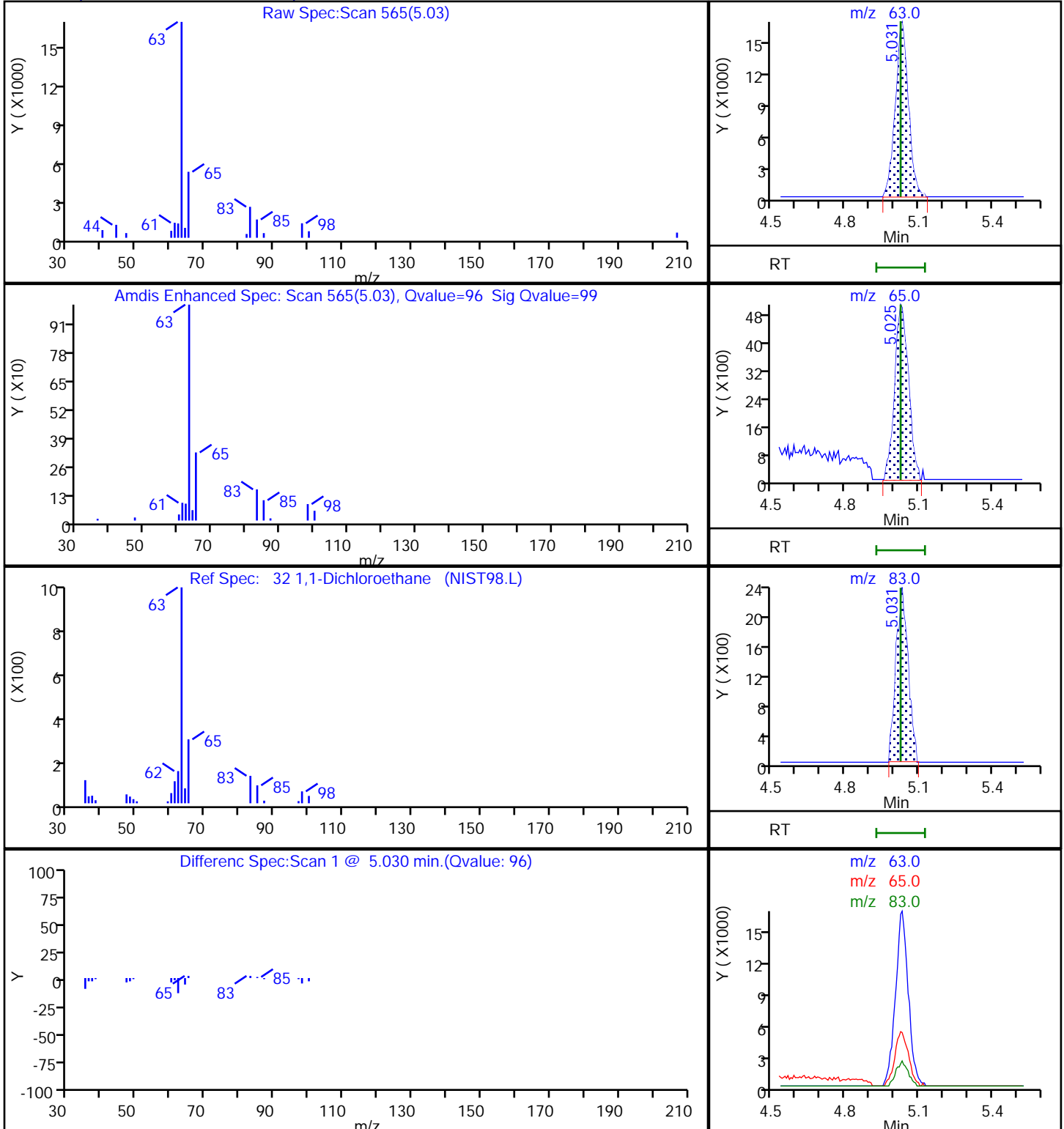
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

32 1,1-Dichloroethane, CAS: 75-34-3



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X11.D

Injection Date: 02-Jul-2023 15:14:30

Instrument ID: 19930

Lims ID: 410-131835-A-8

Lab Sample ID: 410-131835-8

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

Operator ID: knk41612

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

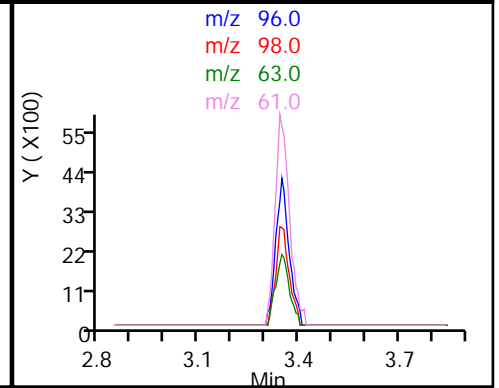
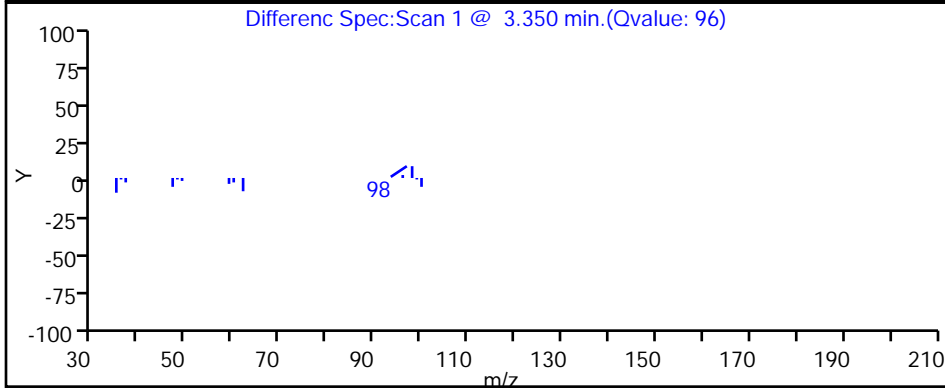
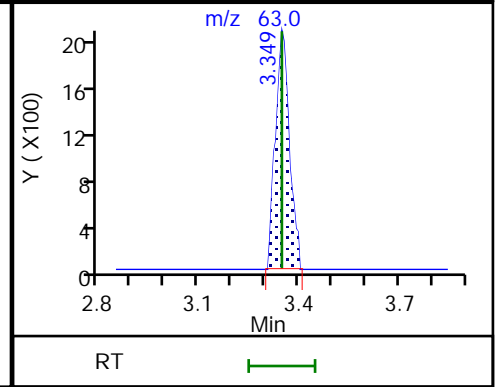
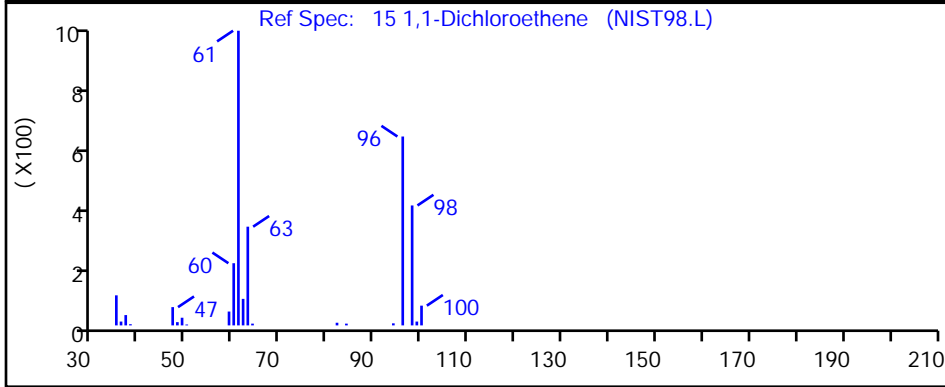
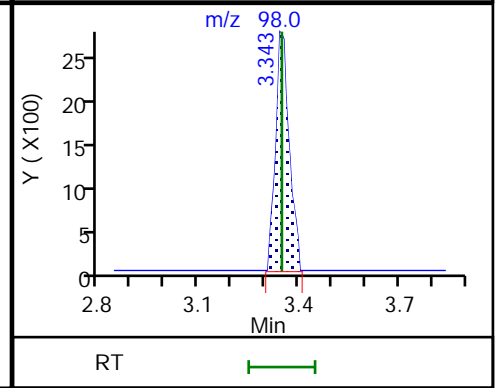
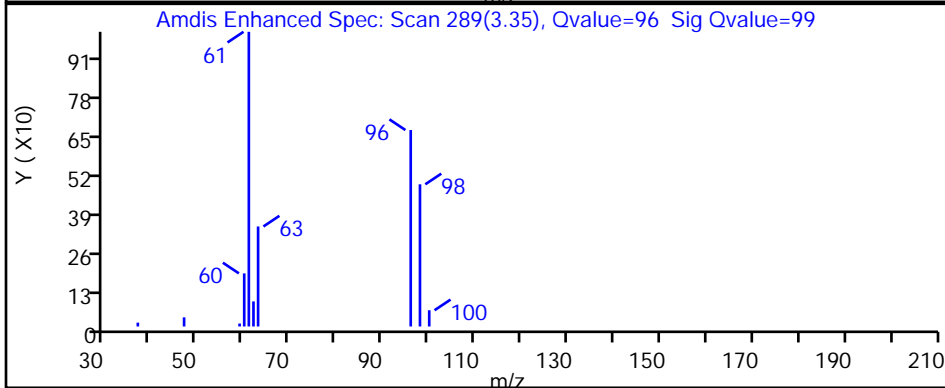
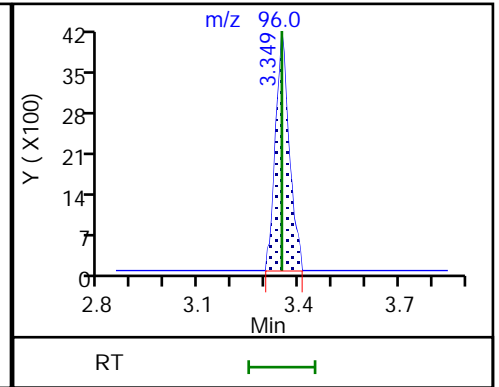
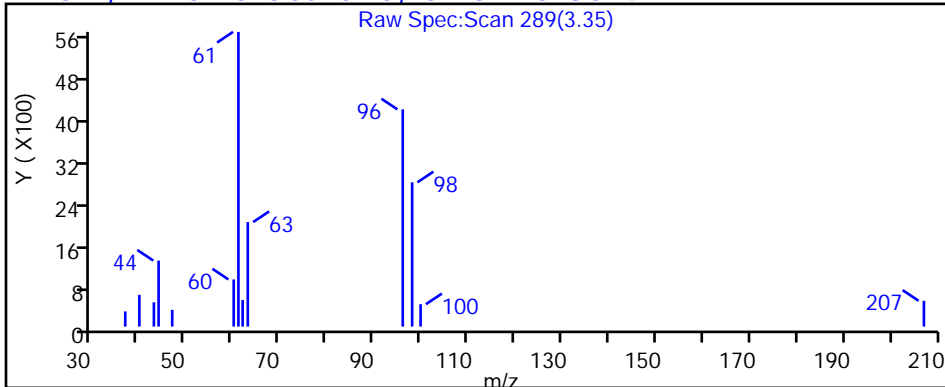
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

15 1,1-Dichloroethene, CAS: 75-35-4



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X11.D

Injection Date: 02-Jul-2023 15:14:30

Instrument ID: 19930

Lims ID: 410-131835-A-8

Lab Sample ID: 410-131835-8

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

Operator ID: knk41612

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

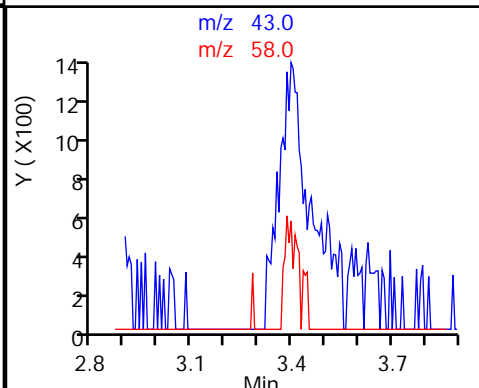
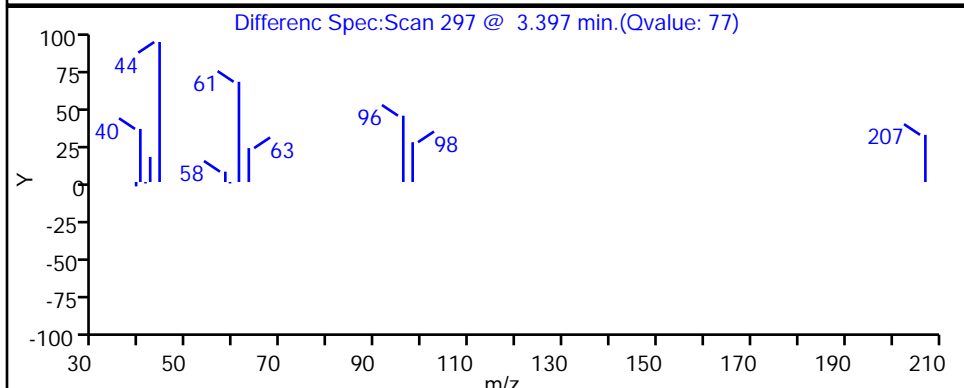
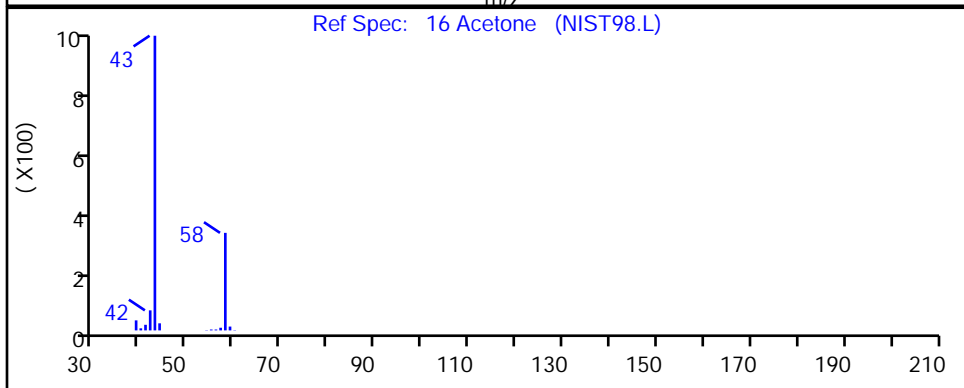
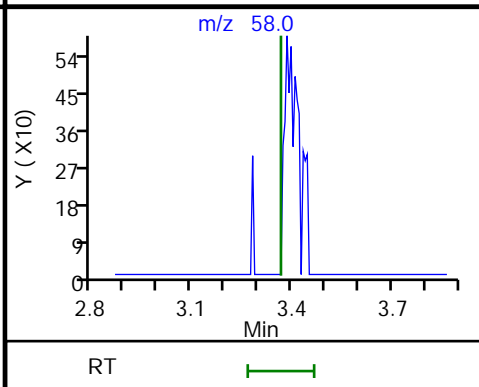
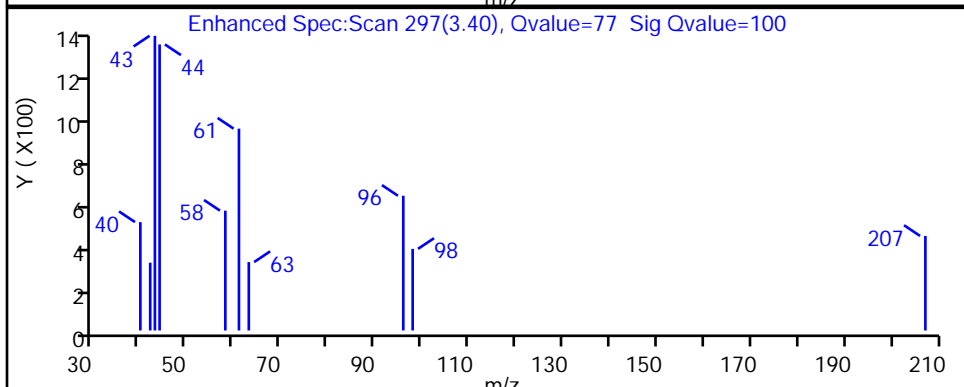
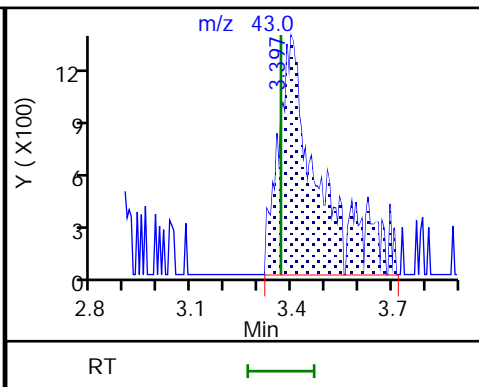
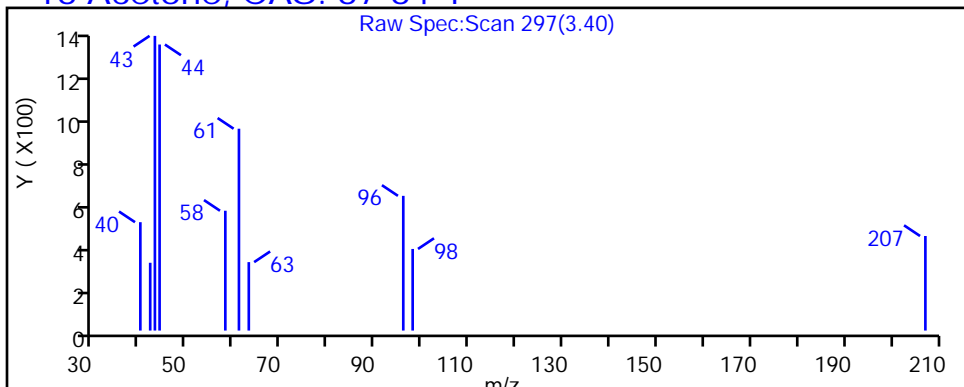
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

16 Acetone, CAS: 67-64-1



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X11.D

Injection Date: 02-Jul-2023 15:14:30

Instrument ID: 19930

Lims ID: 410-131835-A-8

Lab Sample ID: 410-131835-8

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

Operator ID: knk41612

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

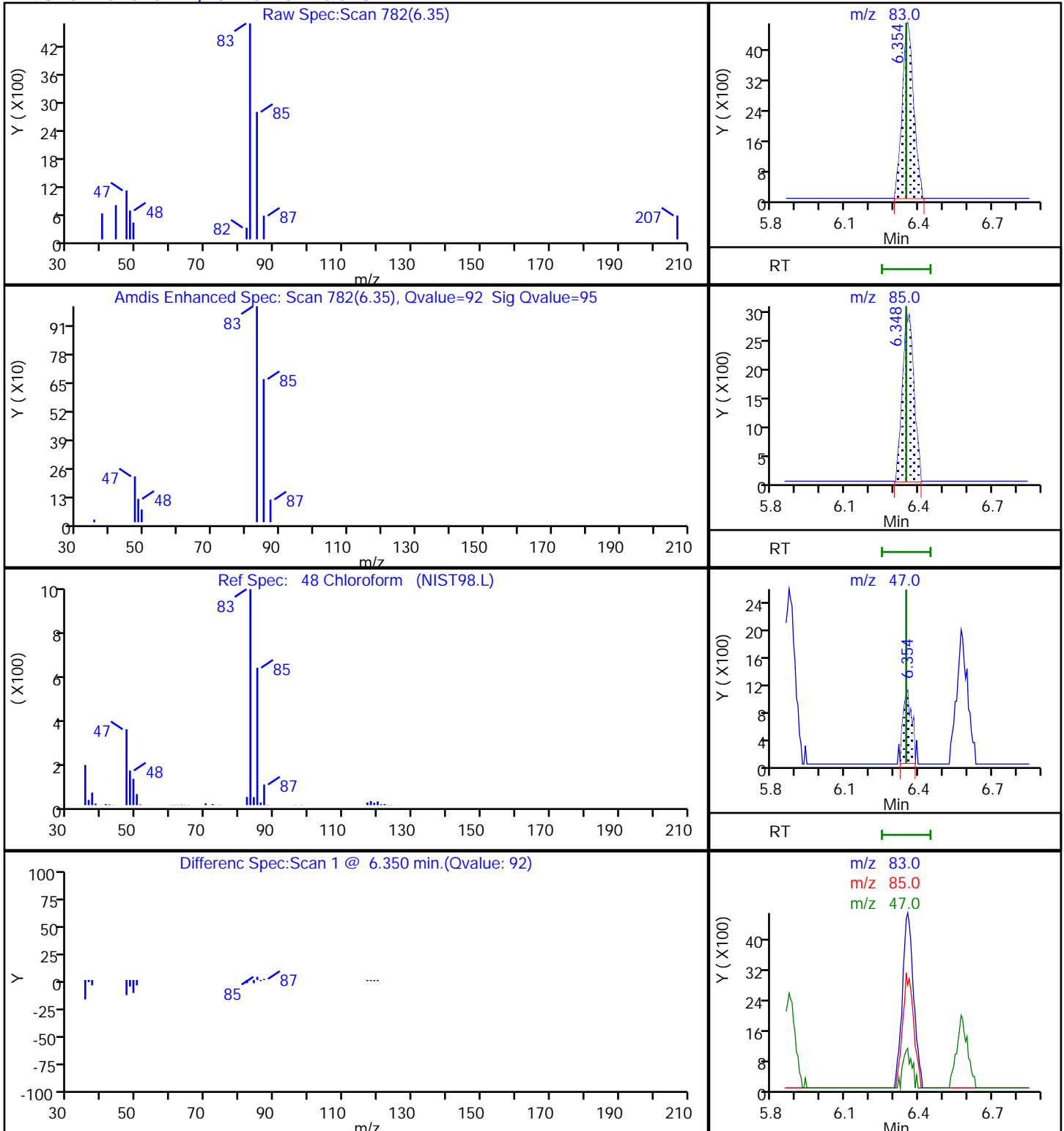
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

48 Chloroform, CAS: 67-66-3



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\ILO2X11.D

Injection Date: 02-Jul-2023 15:14:30

Instrument ID: 19930

Lims ID: 410-131835-A-8

Lab Sample ID: 410-131835-8

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

Operator ID: knk41612

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

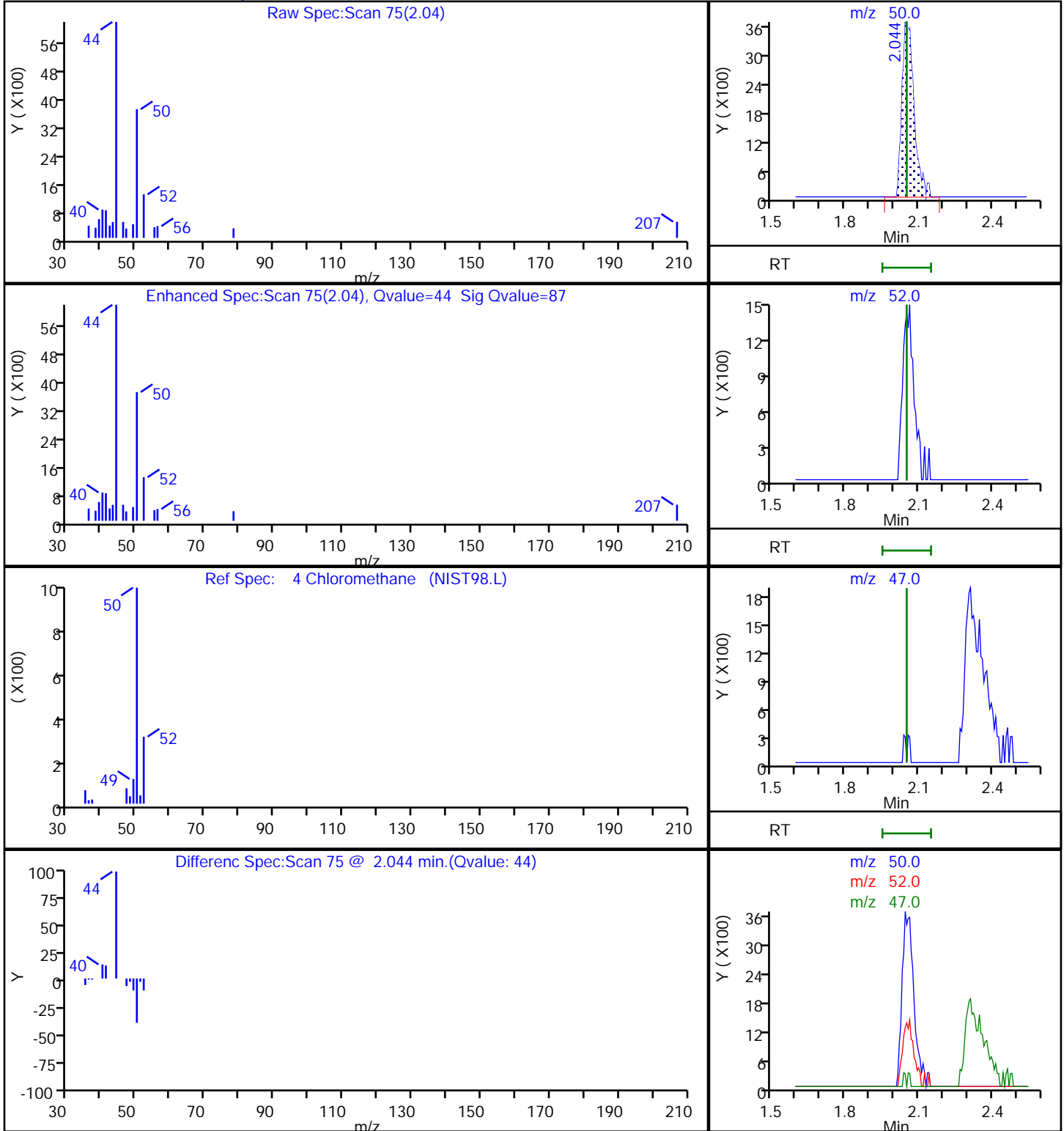
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

4 Chloromethane, CAS: 74-87-3



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X11.D

Injection Date: 02-Jul-2023 15:14:30

Instrument ID: 19930

Lims ID: 410-131835-A-8

Lab Sample ID: 410-131835-8

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

Operator ID: knk41612

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

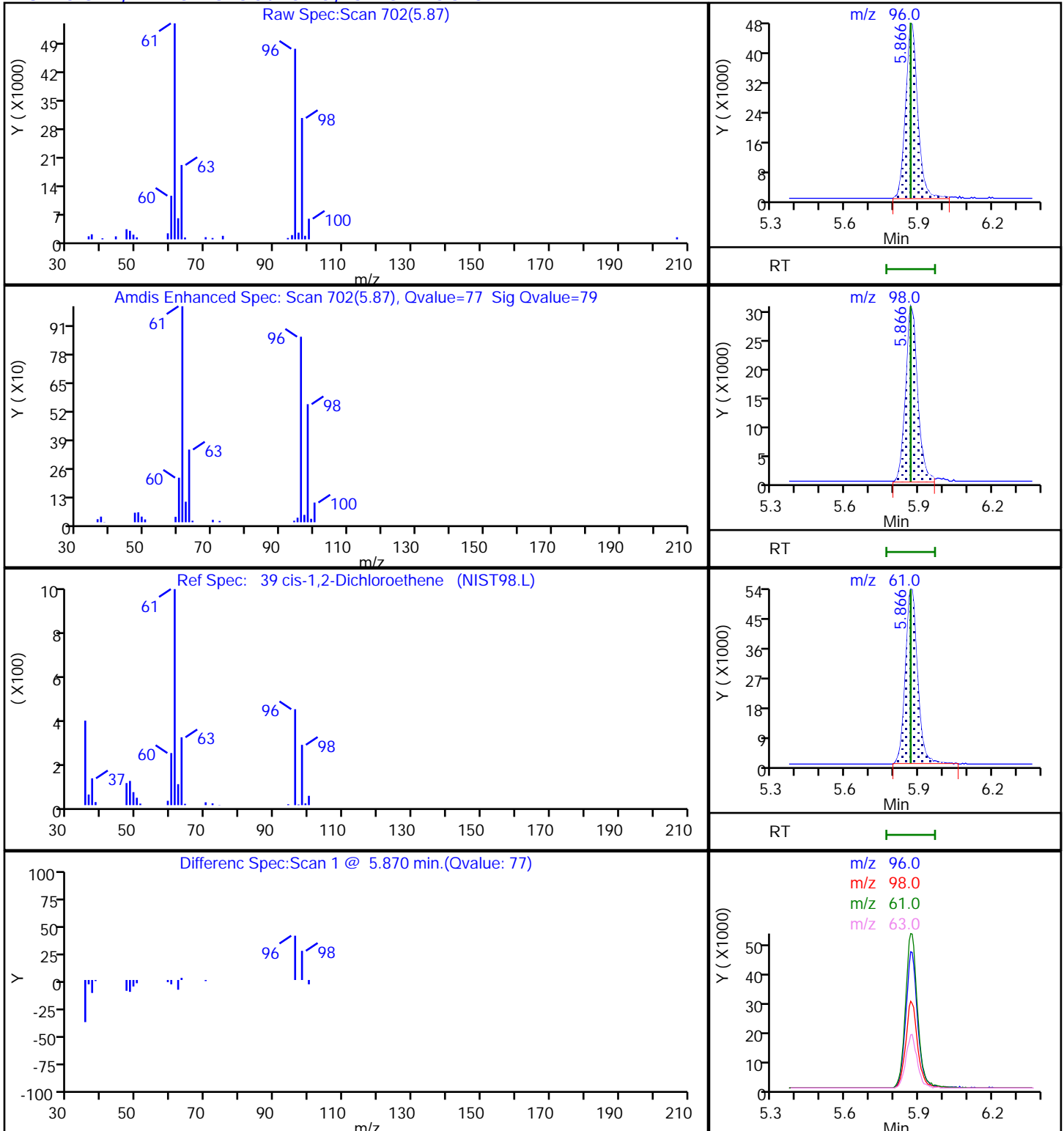
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X11.D

Injection Date: 02-Jul-2023 15:14:30

Instrument ID: 19930

Lims ID: 410-131835-A-8

Lab Sample ID: 410-131835-8

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

Operator ID: knk41612

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

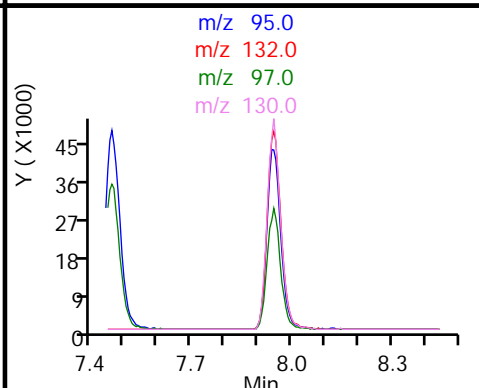
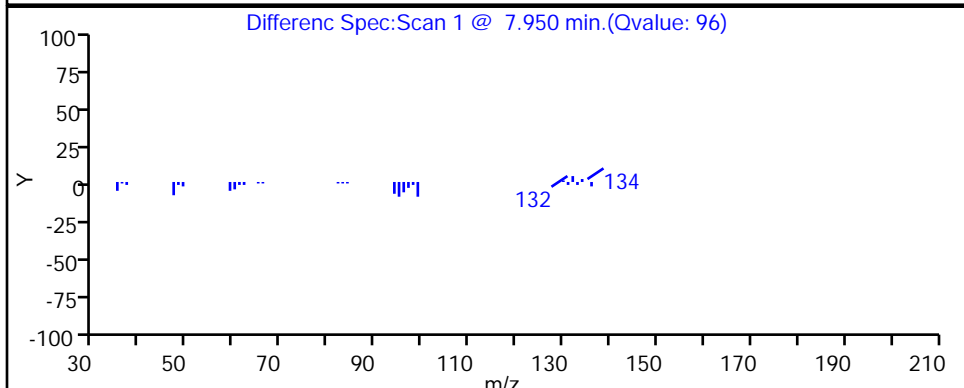
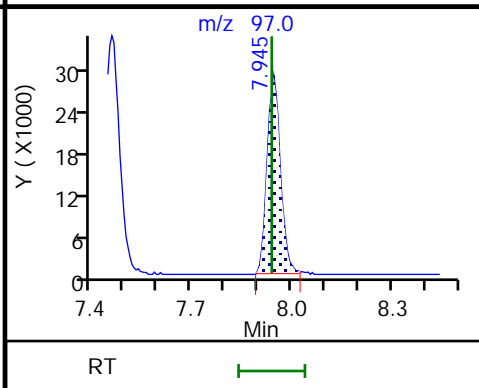
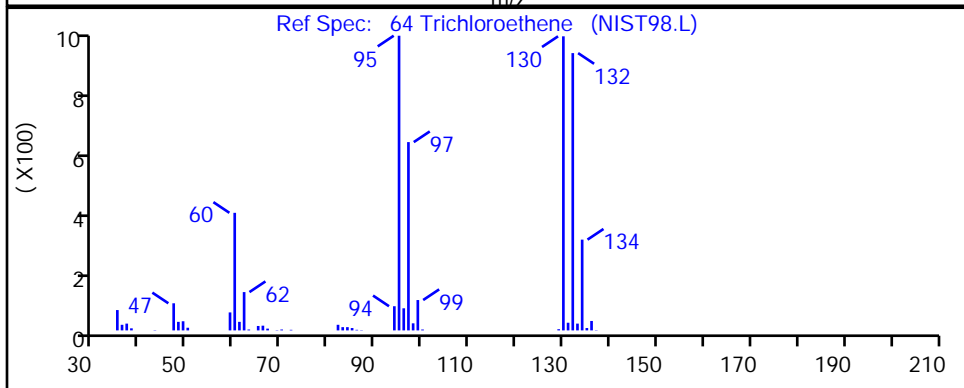
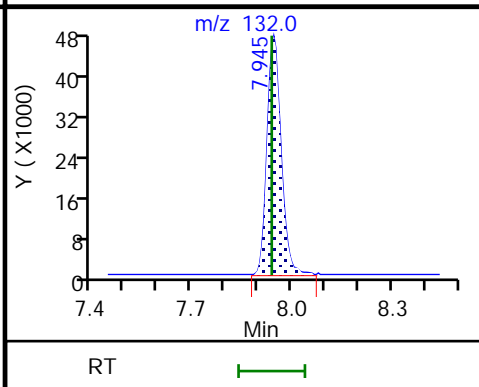
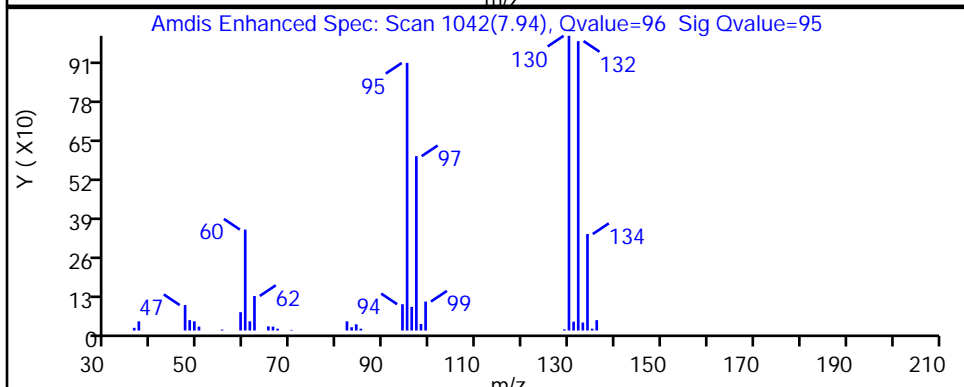
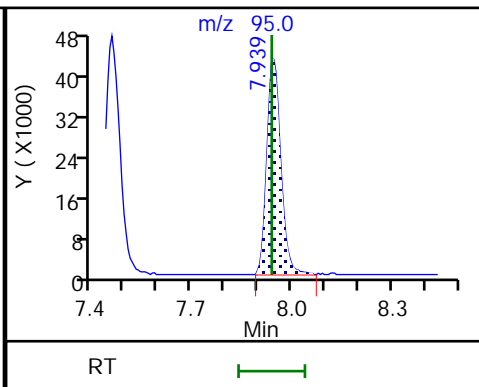
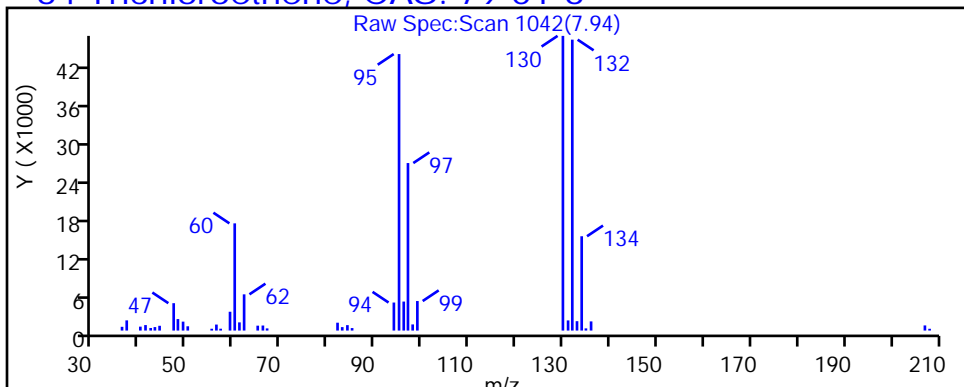
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

64 Trichloroethene, CAS: 79-01-6

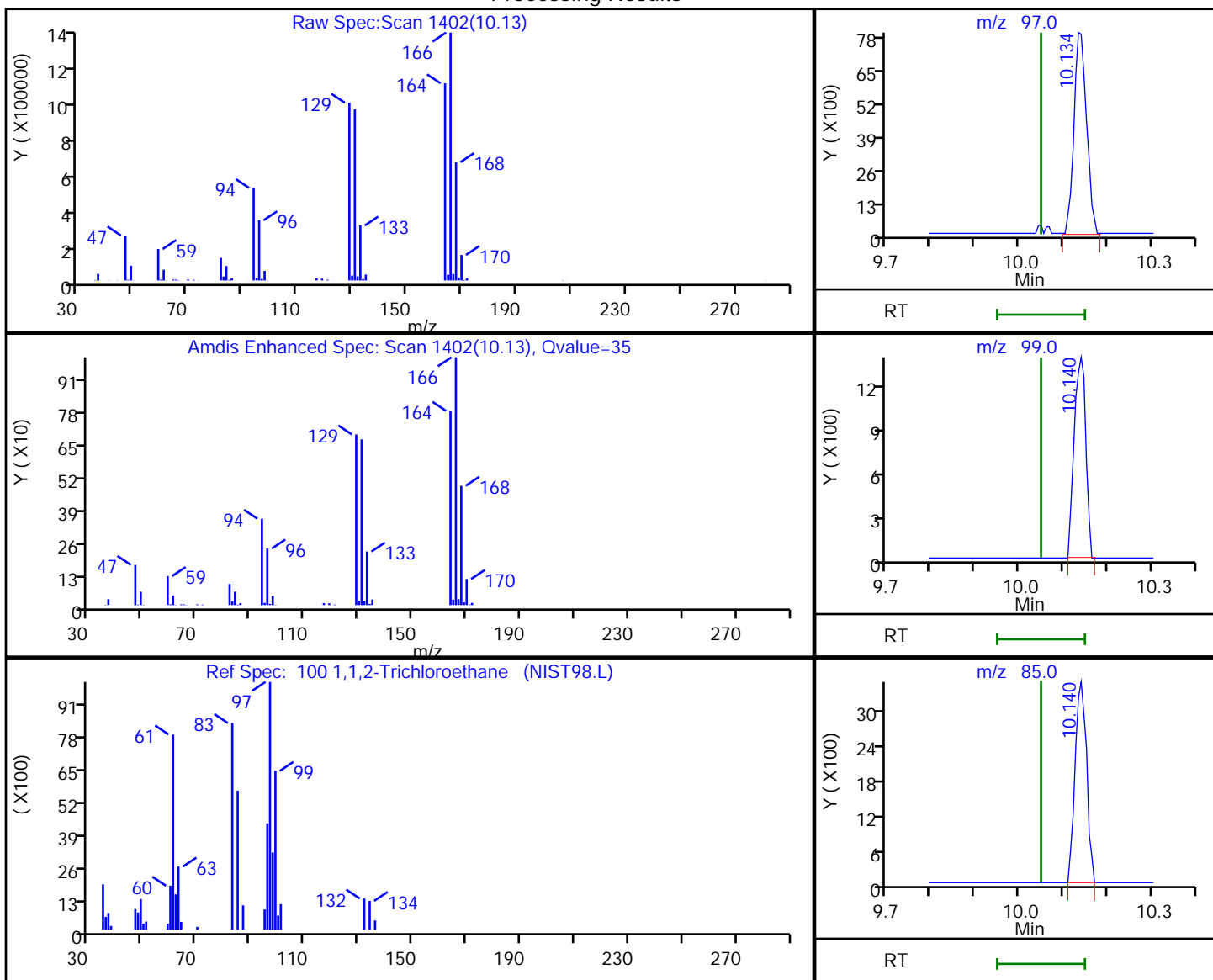


Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X11.D
 Injection Date: 02-Jul-2023 15:14:30 Instrument ID: 19930
 Lims ID: 410-131835-A-8 Lab Sample ID: 410-131835-8
 Client ID: HD-COD-SW-17-0/1-0
 Operator ID: knk41612 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

100 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
10.13	97.00	15870	0.409779
10.14	99.00	2512	
10.14	85.00	6334	
10.14	83.00	46354	

Reviewer: DVW2, 03-Jul-2023 10:47:47 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

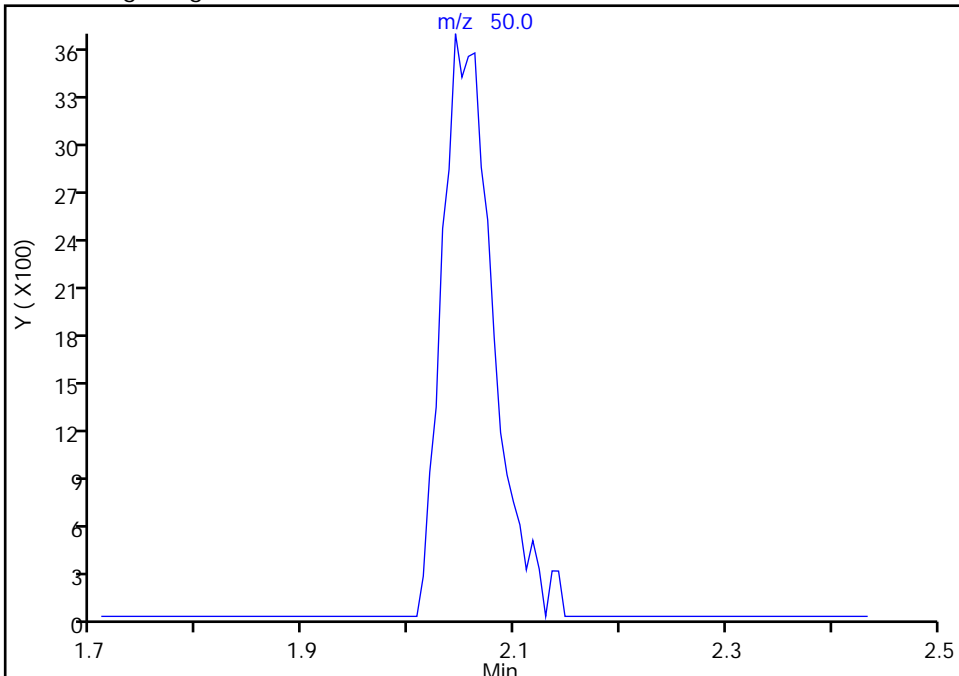
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Injection Date: 02-Jul-2023 15:14:30 Instrument ID: 19930
Lims ID: 410-131835-A-8 Lab Sample ID: 410-131835-8
Client ID: HD-COD-SW-17-0/1-0
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

4 Chloromethane, CAS: 74-87-3

Signal: 1

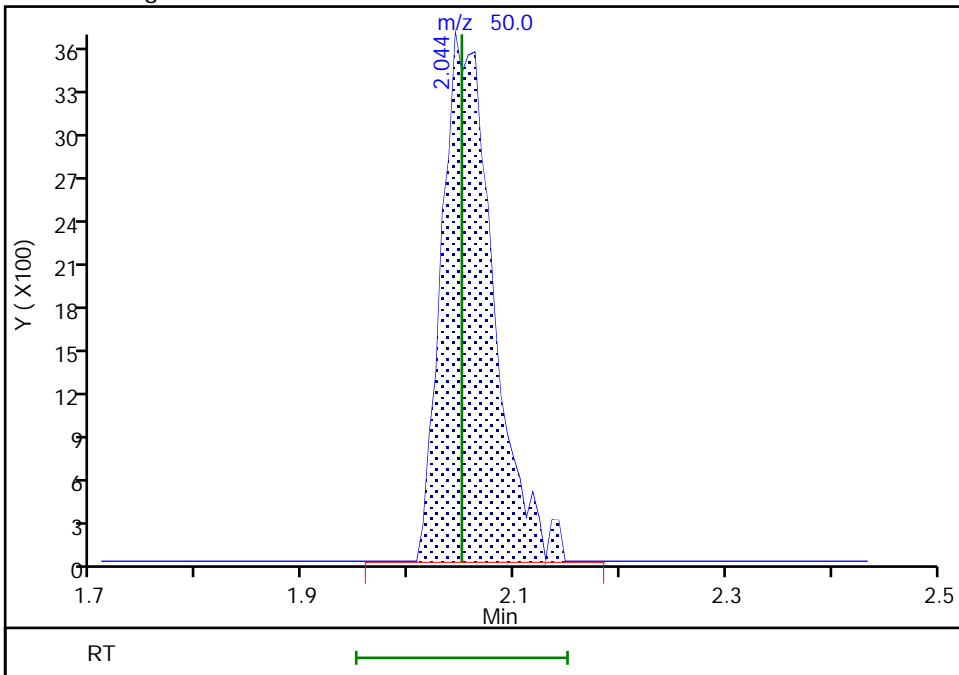
Not Detected
Expected RT: 2.05

Processing Integration Results



Manual Integration Results

RT: 2.04
Area: 12491
Amount: 0.185033
Amount Units: ug/l



Reviewer: DVW2, 03-Jul-2023 10:47:32 -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 Job No.: 410-131835-1
 Environment Testing, LLC

SDG No.:

Client Sample ID: HD-COD-SW-17-0/1-0 DL Lab Sample ID: 410-131835-8 DL

Matrix: Water Lab File ID: IL02X12.D

Analysis Method: 8260D Date Collected: 06/21/2023 10:05

Sample wt/vol: 25 (mL) Date Analyzed: 07/02/2023 15:34

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.: 393012 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	46		5.0	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X12.D
 Lims ID: 410-131835-B-8 DL
 Client ID: HD-COD-SW-17-0/1-0
 Sample Type: Client
 Inject. Date: 02-Jul-2023 15:34:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 25.000 mL Dil. Factor: 10.0000
 Sample Info: 410-0088040-013
 Operator ID: knk41612 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 10:52:50 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: DVW2 Date: 03-Jul-2023 10:48:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		2.050				ND	
5 Vinyl chloride	62		2.160				ND	7
7 Bromomethane	94		2.471				ND	
8 Chloroethane	64		2.544				ND	
15 1,1-Dichloroethene	96		3.349				ND	7
16 Acetone	43	3.391	3.367	0.024	66	8915	1.30	
20 Carbon disulfide	76		3.635				ND	
25 Methylene Chloride	84		3.970				ND	7
* 26 t-Butyl alcohol-d10 (IS)	65	3.983	3.983	0.000	39	143430	50.0	
29 Methyl tert-butyl ether	73		4.361				ND	
30 trans-1,2-Dichloroethene	96		4.367				ND	7
32 1,1-Dichloroethane	63	5.031	5.025	0.006	92	8341	0.0941	
38 2-Butanone (MEK)	43		5.824				ND	
39 cis-1,2-Dichloroethene	96	5.866	5.866	0.000	79	29672	0.5156	
46 Chlorobromomethane	128		6.196				ND	
48 Chloroform	83		6.348				ND	7
\$ 49 Dibromofluoromethane (Surr)	113	6.567	6.567	0.000	95	447559	10.1	
50 1,1,1-Trichloroethane	97	6.567	6.574	-0.007	96	29204	0.3416	
54 Carbon tetrachloride	117		6.787				ND	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.019	7.013	0.006	62	89641	10.2	
57 Benzene	78		7.049				ND	
58 1,2-Dichloroethane	62		7.122				ND	
* 61 Fluorobenzene (IS)	96	7.458	7.458	0.000	99	1733071	10.0	
64 Trichloroethene	95	7.945	7.939	0.006	96	17033	0.2992	
66 1,2-Dichloropropane	63		8.268				ND	
71 Dichlorobromomethane	83		8.616				ND	
76 cis-1,3-Dichloropropene	75		9.177				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.354				ND	
\$ 78 Toluene-d8 (Surr)	98	9.494	9.494	0.000	93	1781248	9.74	
79 Toluene	92		9.573				ND	7
97 trans-1,3-Dichloropropene	75		9.841				ND	
100 1,1,2-Trichloroethane	97		10.049				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.140	10.140	0.000	97	345328	4.59	
103 2-Hexanone	43		10.268				ND	
105 Chlorodibromomethane	129		10.433				ND	
106 Ethylene Dibromide	107		10.542				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.981	10.981	0.000	84	1422212	10.0	
109 Chlorobenzene	112		11.006				ND	
111 1,1,1,2-Tetrachloroethane	131		11.091				ND	
112 Ethylbenzene	91		11.097				ND	
113 m-Xylene & p-Xylene	106		11.213				ND	
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.542				ND	
115 Styrene	104		11.560				ND	
116 Bromoform	173		11.719				ND	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.993	11.993	0.000	97	675164	9.80	
121 1,1,2,2-Tetrachloroethane	83		12.097				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	93	863708	10.0	

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\20230702-88040.b\IL02X12.D

Injection Date: 02-Jul-2023 15:34:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: 410-131835-B-8 DL

Lab Sample ID: 410-131835-8

Worklist Smp#: 13

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

Purge Vol: 25.000 mL

Dil. Factor: 10.0000

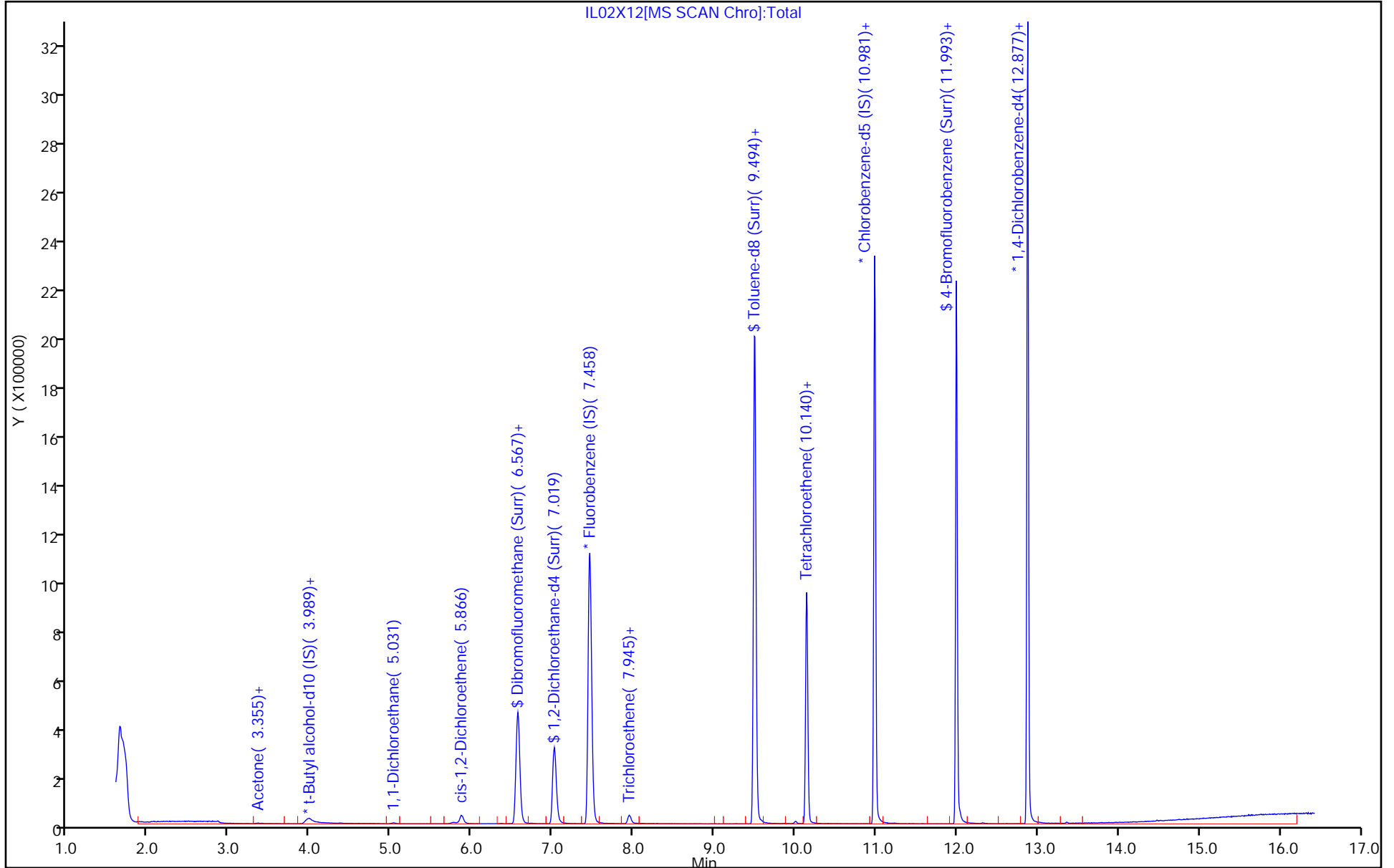
ALS Bottle#: 12

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
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X12.D
 Lims ID: 410-131835-B-8 DL
 Client ID: HD-COD-SW-17-0/1-0
 Sample Type: Client
 Inject. Date: 02-Jul-2023 15:34:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 25.000 mL Dil. Factor: 10.0000
 Sample Info: 410-0088040-013
 Operator ID: knk41612 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 10:52:50 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: DVW2

Date: 03-Jul-2023 10:48:17

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	10.1	100.54
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	101.56
\$ 78 Toluene-d8 (Surr)	10.0	9.74	97.42
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.80	97.99

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X12.D

Injection Date: 02-Jul-2023 15:34:30

Instrument ID: 19930

Lims ID: 410-131835-B-8 DL

Lab Sample ID: 410-131835-8

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

Operator ID: knk41612

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 25.000 mL

Dil. Factor: 10.0000

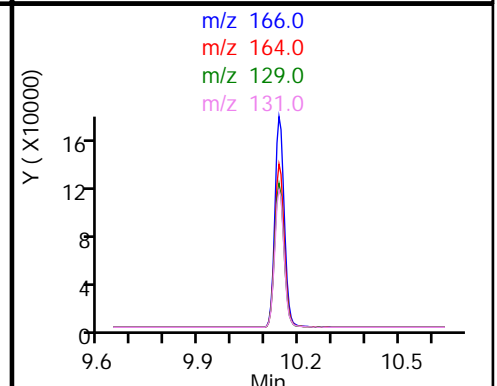
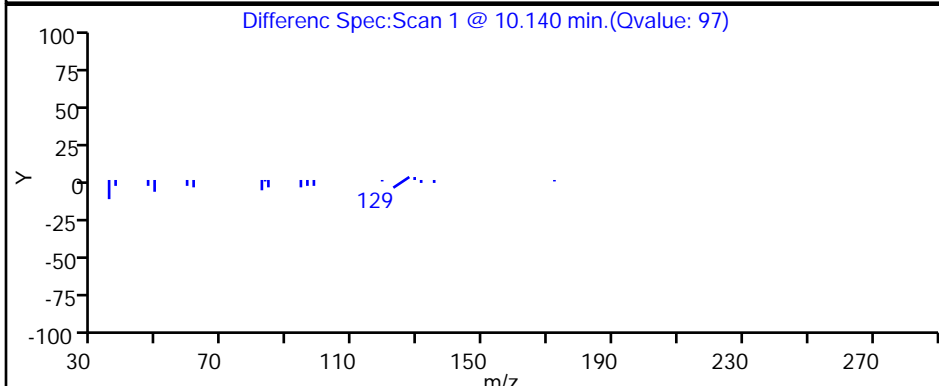
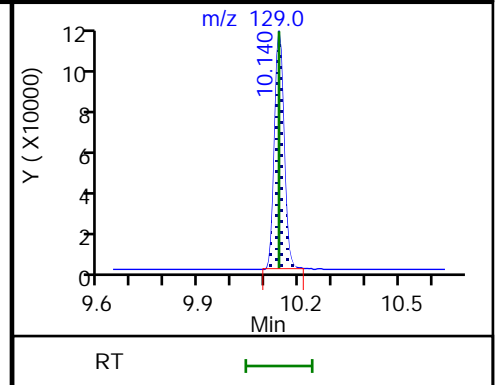
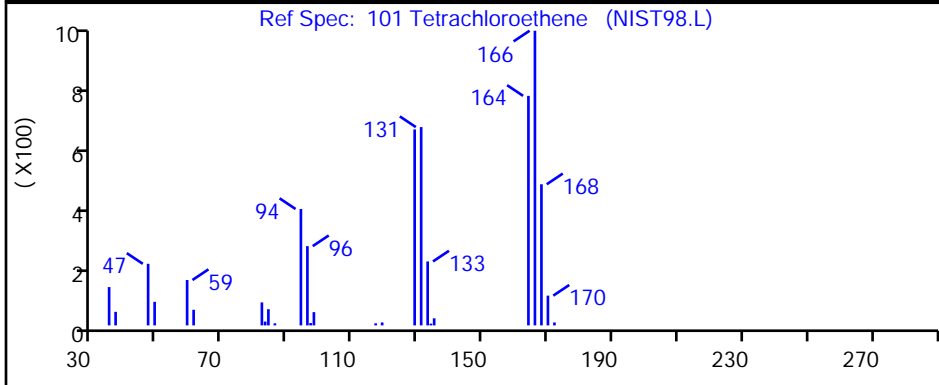
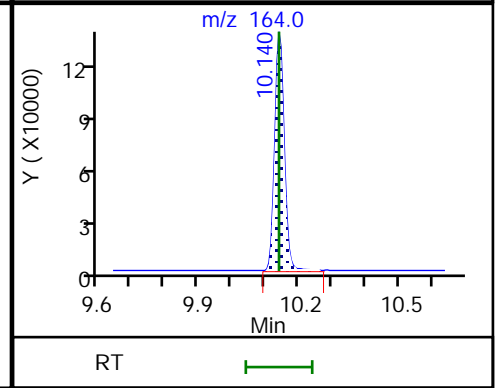
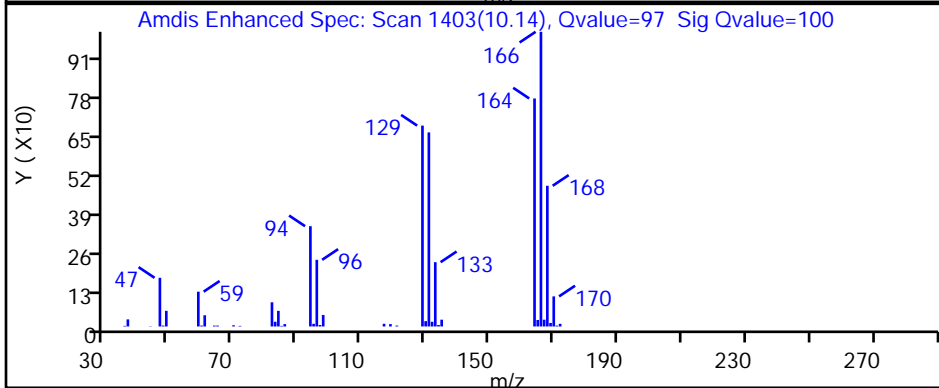
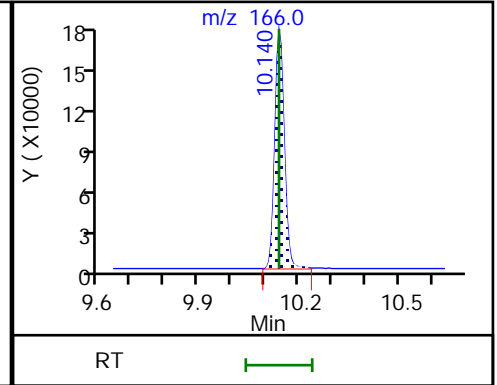
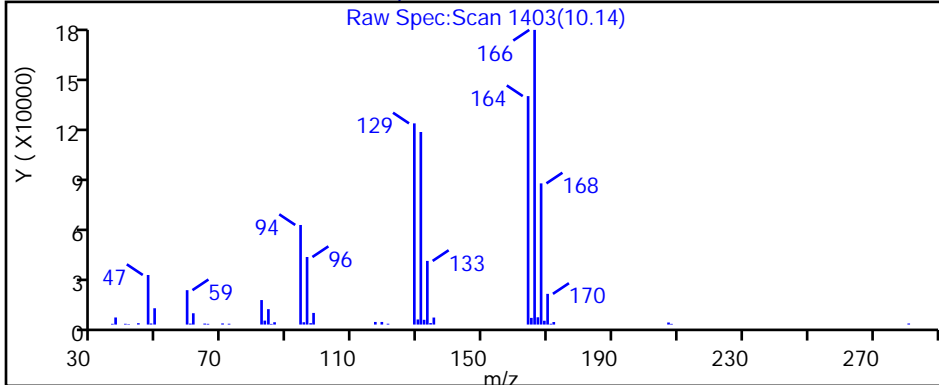
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

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.: 410-131835-1

SDG No.:

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

Lab Sample ID: 410-131835-9

Matrix: Water

Lab File ID: IL02X13.D

Analysis Method: 8260D

Date Collected: 06/21/2023 10:53

Sample wt/vol: 25 (mL)

Date Analyzed: 07/02/2023 15:55

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 393012

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	0.17	J	0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	1.3	J	5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.50		0.50	0.090
74-87-3	Chloromethane	0.15	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	3.8		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.: 410-131835-1

SDG No.:

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

Lab Sample ID: 410-131835-9

Matrix: Water

Lab File ID: IL02X13.D

Analysis Method: 8260D

Date Collected: 06/21/2023 10:53

Sample wt/vol: 25 (mL)

Date Analyzed: 07/02/2023 15:55

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 393012

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	0.18	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)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		80-120
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
 Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X13.D
 Lims ID: 410-131835-A-9
 Client ID: HD-COD-SW-26-0/1-0
 Sample Type: Client
 Inject. Date: 02-Jul-2023 15:55:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088040-014
 Operator ID: knk41612 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 10:52:50 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: DVW2 Date: 03-Jul-2023 10:48:36

Compound	Sig	RT (min.)	Exp RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50	2.038	2.050	-0.012	98	9971	0.1477	
5 Vinyl chloride	62		2.160				ND	
7 Bromomethane	94		2.471				ND	
8 Chloroethane	64		2.544				ND	
15 1,1-Dichloroethene	96	3.336	3.349	-0.013	95	7436	0.1671	
16 Acetone	43	3.397	3.367	0.030	49	8074	1.30	
20 Carbon disulfide	76		3.635				ND	7
25 Methylene Chloride	84		3.970				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.989	3.983	0.006	22	129639	50.0	
29 Methyl tert-butyl ether	73		4.361				ND	
30 trans-1,2-Dichloroethene	96		4.367				ND	
32 1,1-Dichloroethane	63		5.025				ND	
38 2-Butanone (MEK)	43		5.824				ND	
39 cis-1,2-Dichloroethene	96	5.872	5.866	0.006	72	4258	0.0773	
46 Chlorobromomethane	128		6.196				ND	
48 Chloroform	83	6.348	6.348	0.000	92	43398	0.4951	
\$ 49 Dibromofluoromethane (Surr)	113	6.561	6.567	-0.006	95	427721	10.0	
50 1,1,1-Trichloroethane	97		6.574				ND	7
54 Carbon tetrachloride	117		6.787				ND	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.013	7.013	-0.001	62	86076	10.2	
57 Benzene	78		7.049				ND	
58 1,2-Dichloroethane	62		7.122				ND	
* 61 Fluorobenzene (IS)	96	7.451	7.458	-0.007	99	1659320	10.0	
64 Trichloroethene	95	7.945	7.939	0.006	94	9613	0.1764	
66 1,2-Dichloropropane	63		8.268				ND	
71 Dichlorobromomethane	83		8.616				ND	7
76 cis-1,3-Dichloropropene	75		9.177				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.354				ND	
\$ 78 Toluene-d8 (Surr)	98	9.494	9.494	0.000	93	1702272	9.67	
79 Toluene	92	9.579	9.573	0.006	98	6990	0.0503	
97 trans-1,3-Dichloropropene	75		9.841				ND	
100 1,1,2-Trichloroethane	97		10.049				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.140	10.140	0.000	97	274436	3.79	
103 2-Hexanone	43		10.268				ND	
105 Chlorodibromomethane	129		10.433				ND	
106 Ethylene Dibromide	107		10.542				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.981	10.981	0.000	84	1369485	10.0	
109 Chlorobenzene	112		11.006				ND	
111 1,1,1,2-Tetrachloroethane	131		11.091				ND	
112 Ethylbenzene	91		11.097				ND	7
113 m-Xylene & p-Xylene	106	11.225	11.213	0.012	91	5435	0.0496	
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.542				ND	7
115 Styrene	104		11.560				ND	
116 Bromoform	173		11.719				ND	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.993	11.993	0.000	96	656571	9.90	
121 1,1,2,2-Tetrachloroethane	83		12.097				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	93	839607	10.0	

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\20230702-88040.b\IL02X13.D

Injection Date: 02-Jul-2023 15:55:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: 410-131835-A-9

Lab Sample ID: 410-131835-9

Worklist Smp#: 14

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

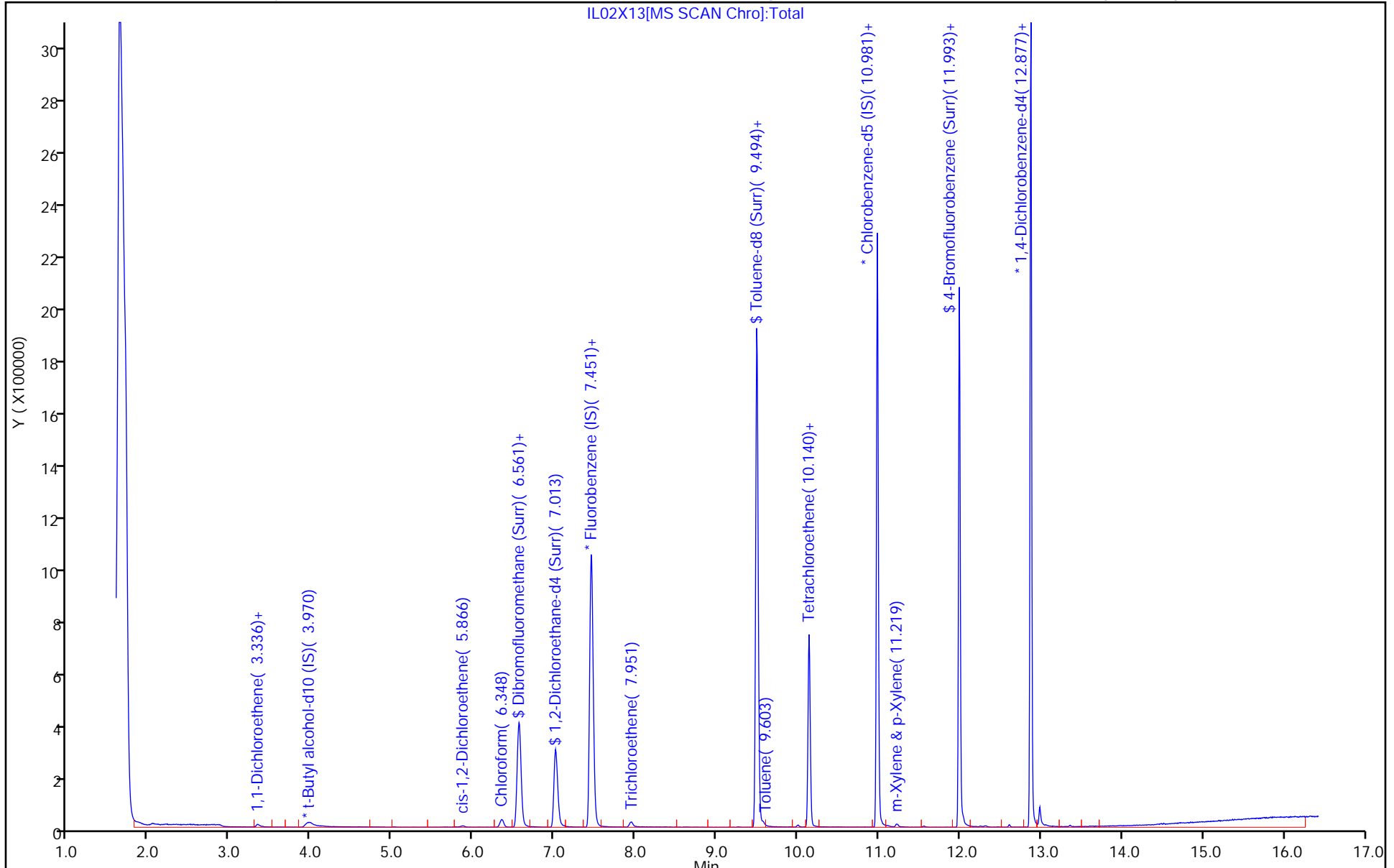
ALS Bottle#: 13

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
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X13.D
 Lims ID: 410-131835-A-9
 Client ID: HD-COD-SW-26-0/1-0
 Sample Type: Client
 Inject. Date: 02-Jul-2023 15:55:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088040-014
 Operator ID: knk41612 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 10:52:50 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: DVW2

Date: 03-Jul-2023 10:48:36

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	10.0	100.36
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	101.86
\$ 78 Toluene-d8 (Surr)	10.0	9.67	96.68
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.90	98.96

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X13.D

Injection Date: 02-Jul-2023 15:55:30

Instrument ID: 19930

Lims ID: 410-131835-A-9

Lab Sample ID: 410-131835-9

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

Operator ID: knk41612

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

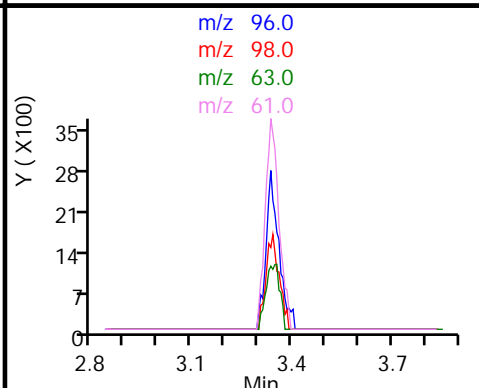
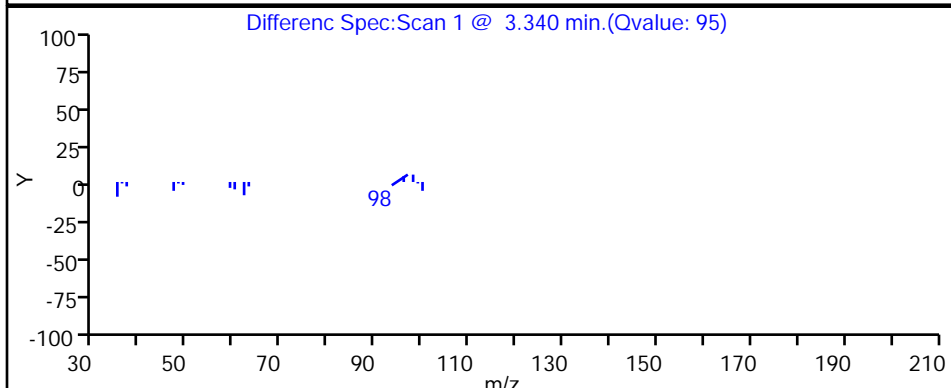
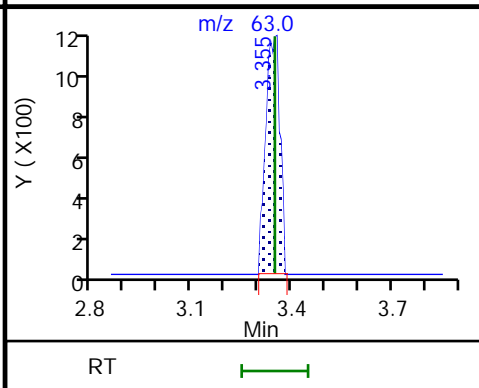
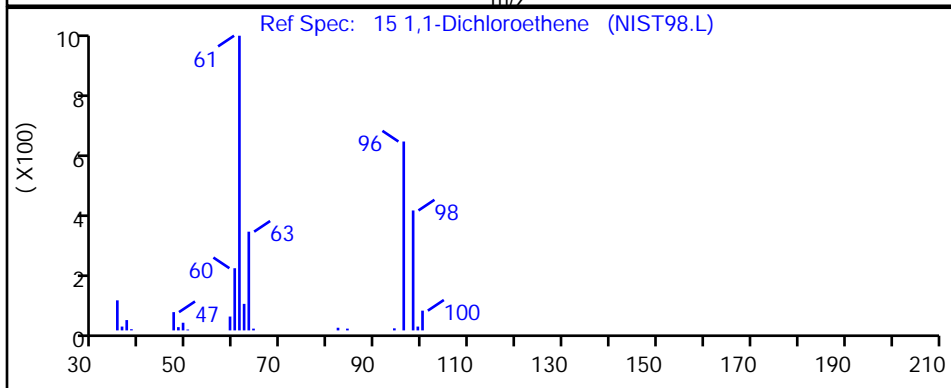
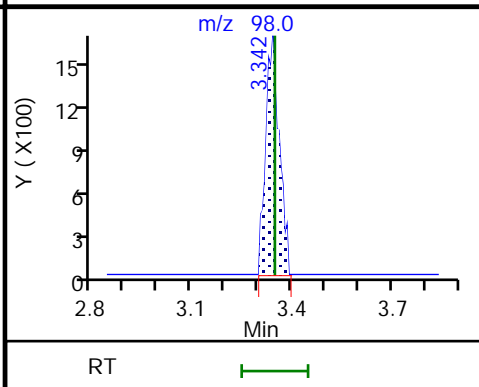
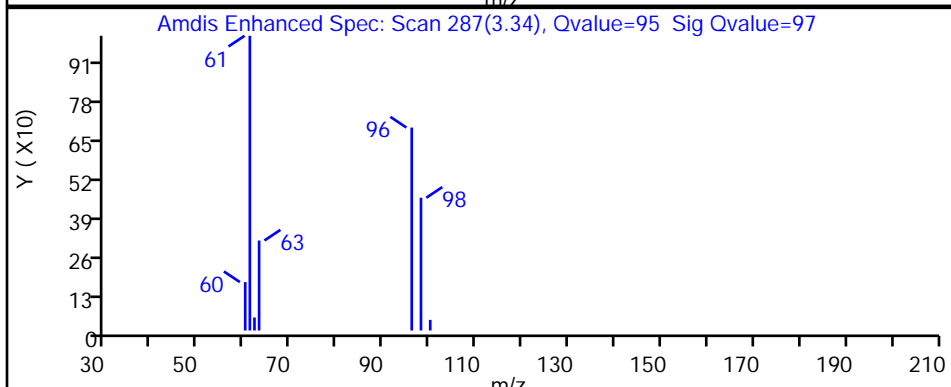
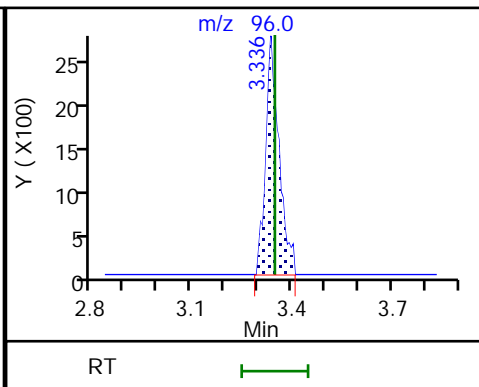
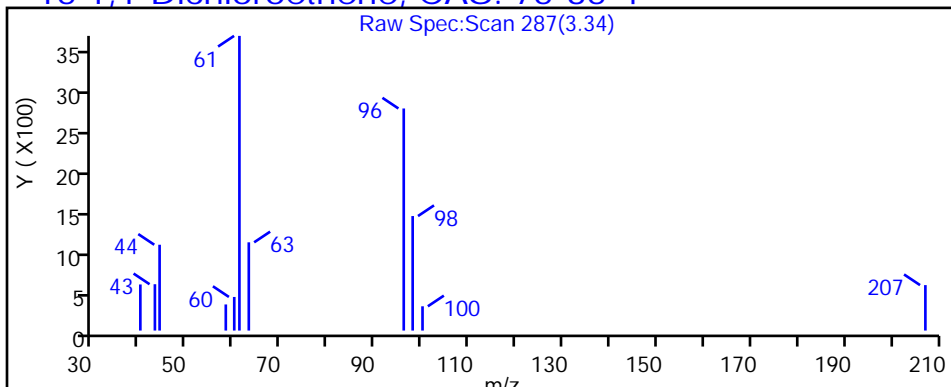
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

15 1,1-Dichloroethene, CAS: 75-35-4



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\ILO2X13.D

Injection Date: 02-Jul-2023 15:55:30

Instrument ID: 19930

Lims ID: 410-131835-A-9

Lab Sample ID: 410-131835-9

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

Operator ID: knk41612

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

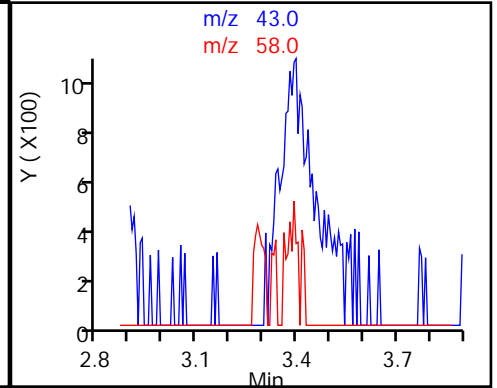
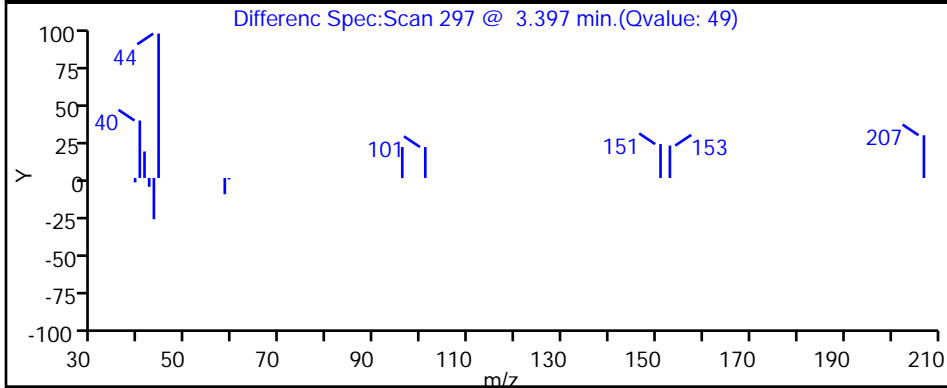
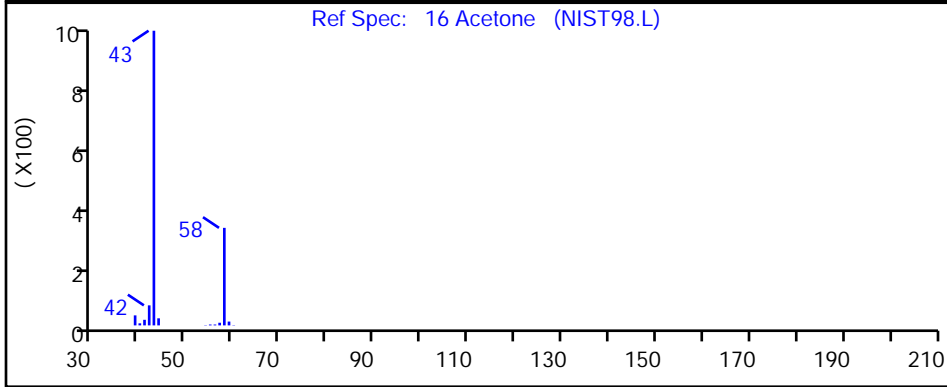
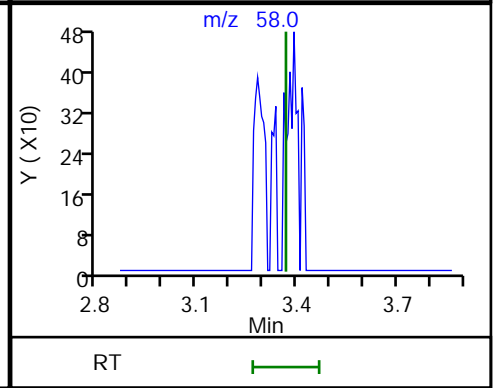
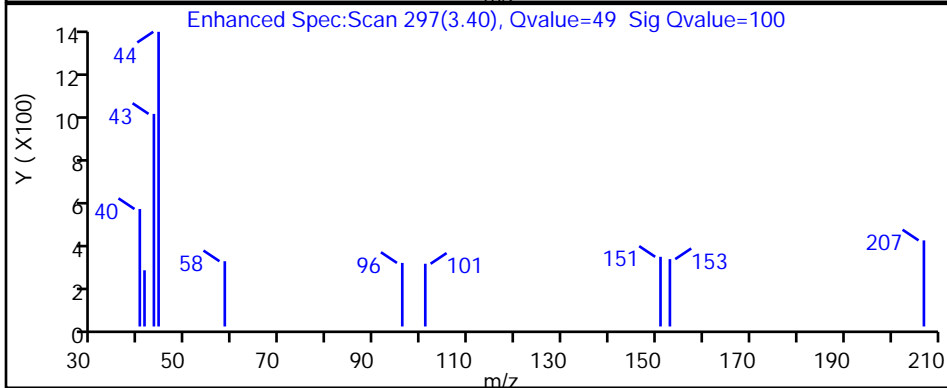
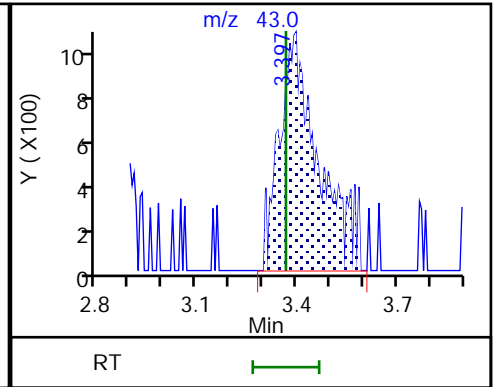
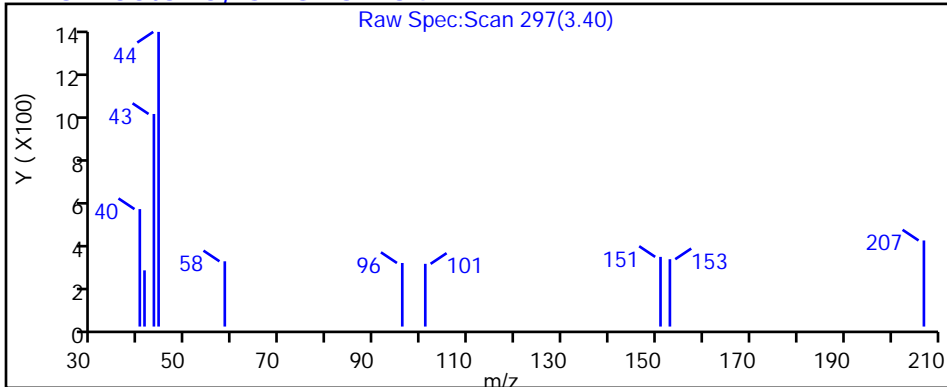
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

16 Acetone, CAS: 67-64-1



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\I102X13.D

Injection Date: 02-Jul-2023 15:55:30

Instrument ID: 19930

Lims ID: 410-131835-A-9

Lab Sample ID: 410-131835-9

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

Operator ID: knk41612

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

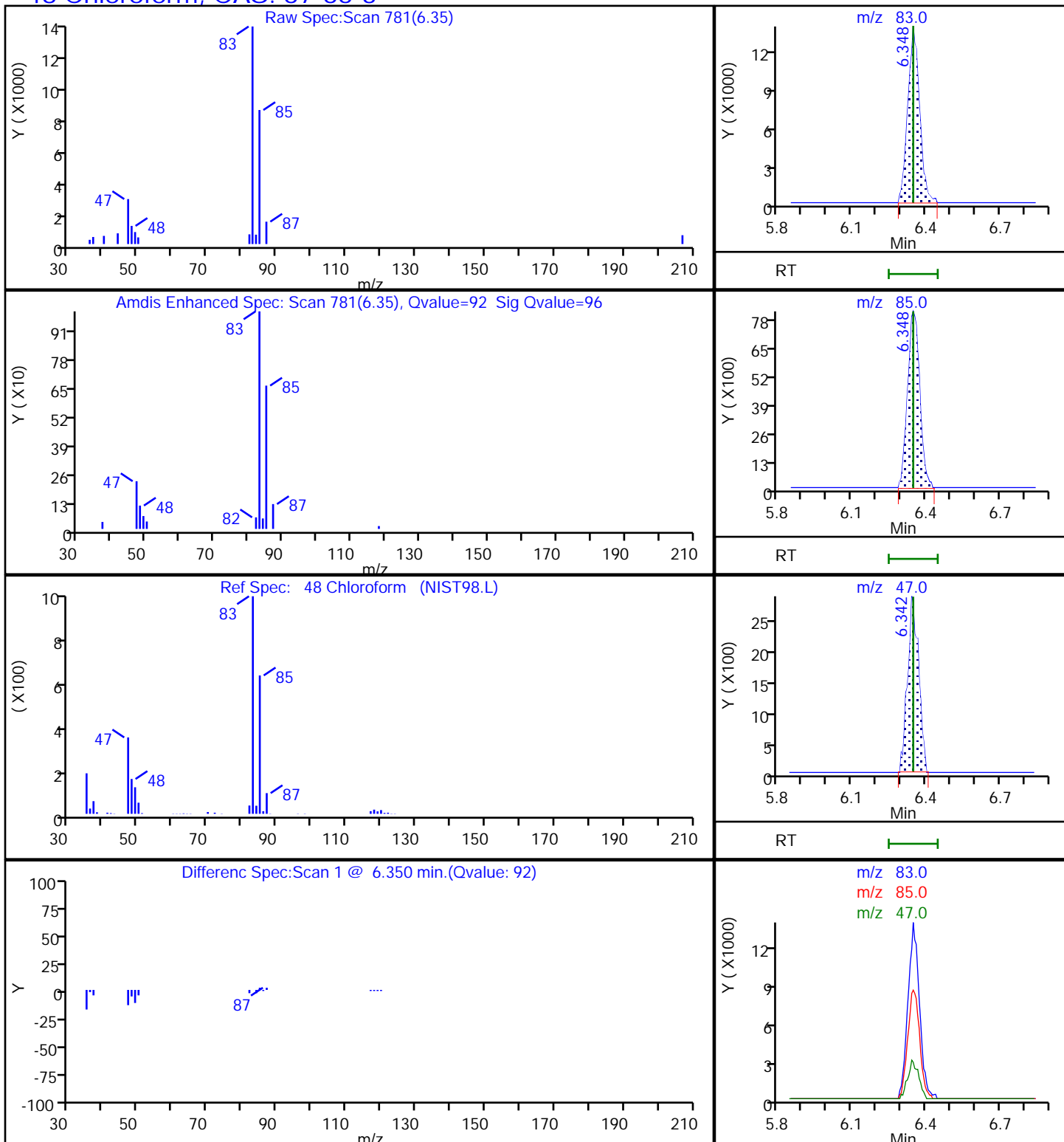
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

48 Chloroform, CAS: 67-66-3



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\ILO2X13.D

Injection Date: 02-Jul-2023 15:55:30

Instrument ID: 19930

Lims ID: 410-131835-A-9

Lab Sample ID: 410-131835-9

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

Operator ID: knk41612

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

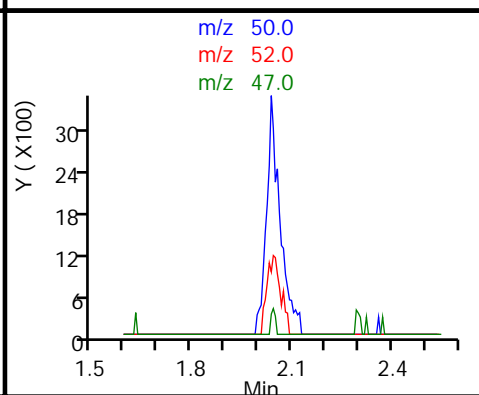
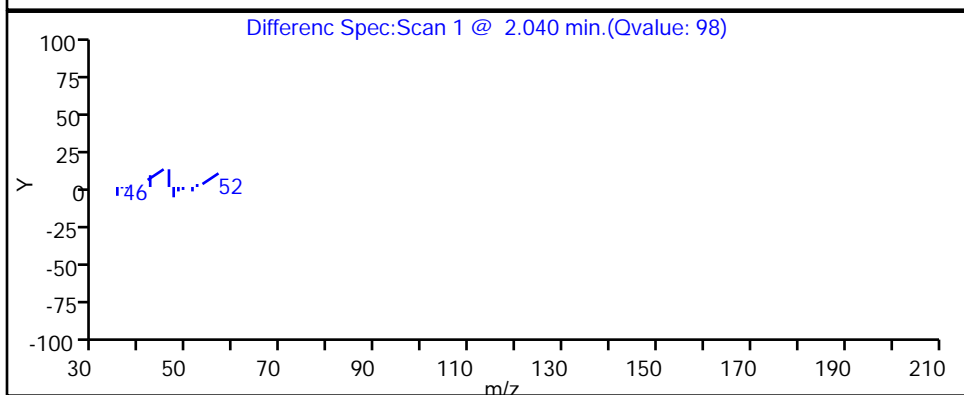
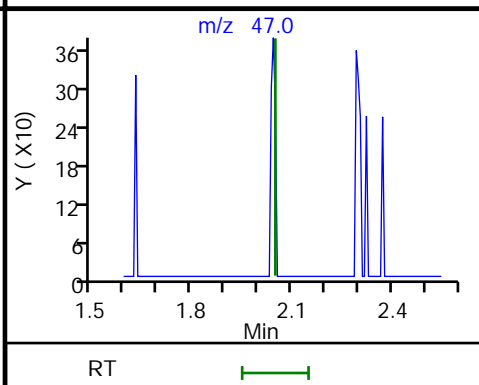
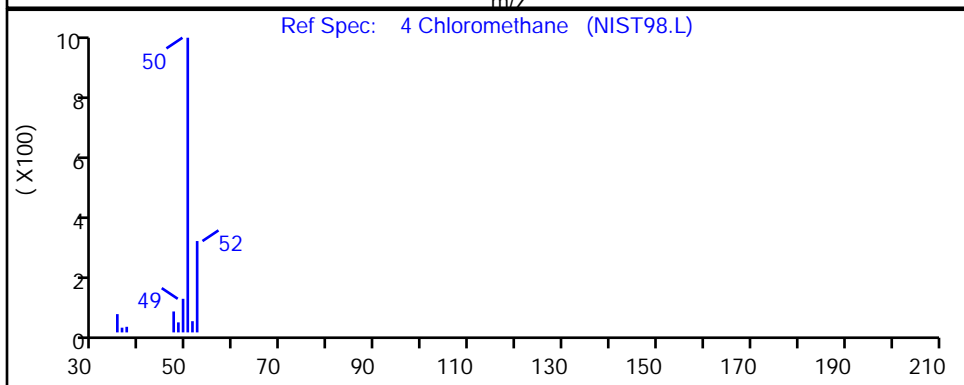
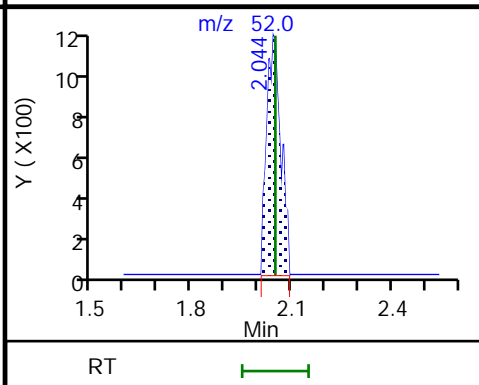
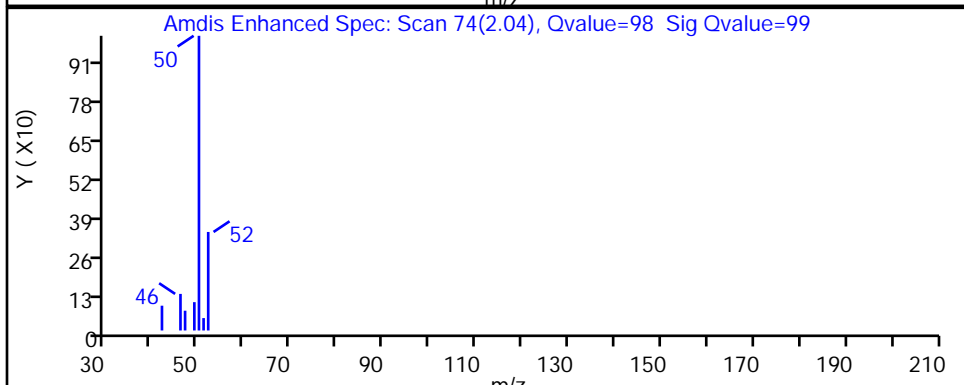
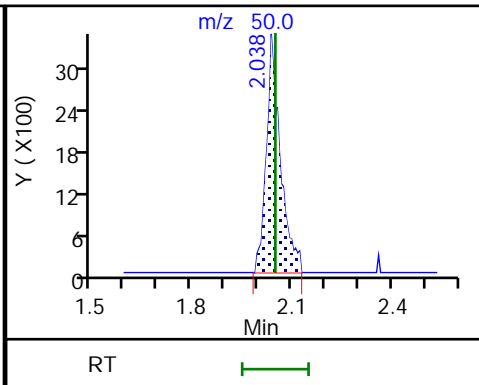
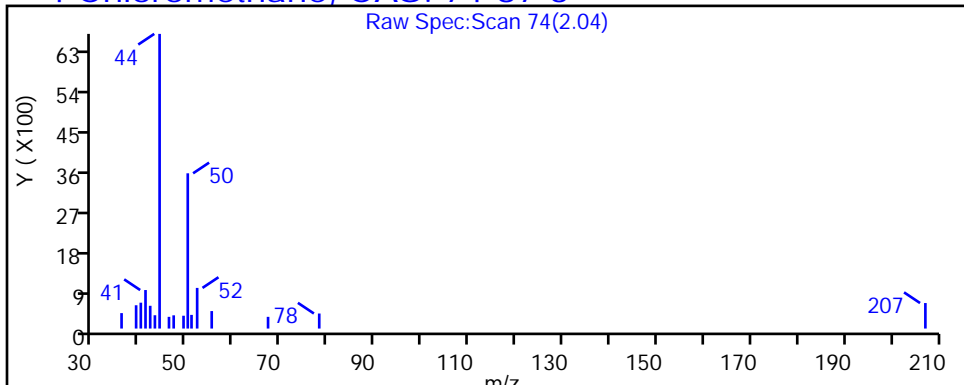
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

4 Chloromethane, CAS: 74-87-3



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X13.D

Injection Date: 02-Jul-2023 15:55:30

Instrument ID: 19930

Lims ID: 410-131835-A-9

Lab Sample ID: 410-131835-9

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

Operator ID: knk41612

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

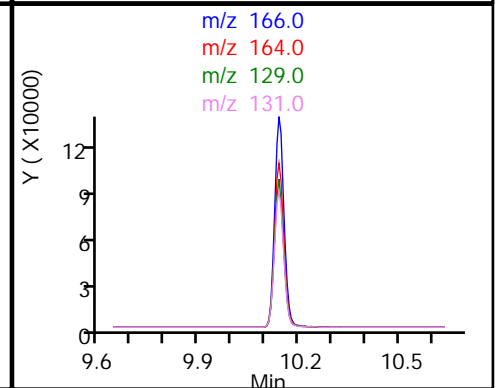
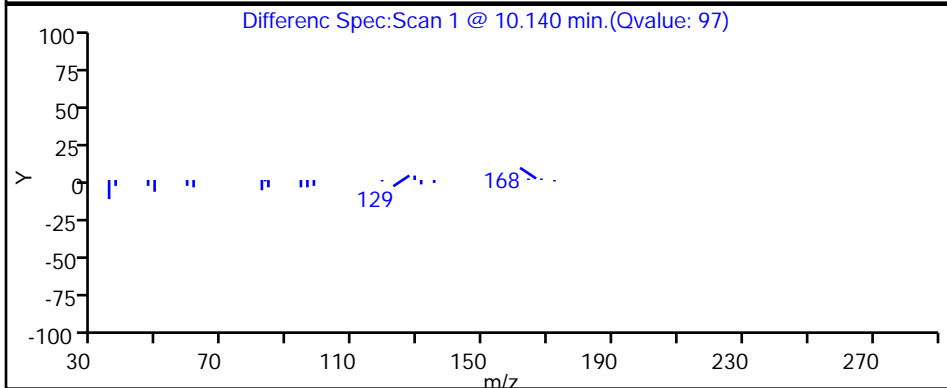
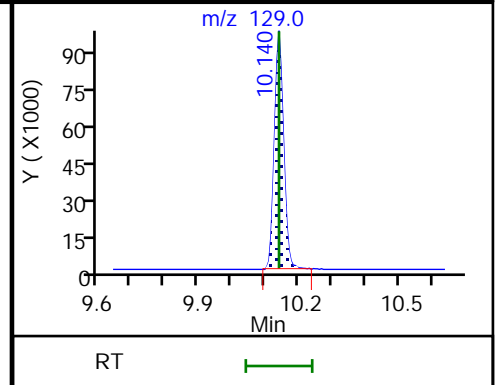
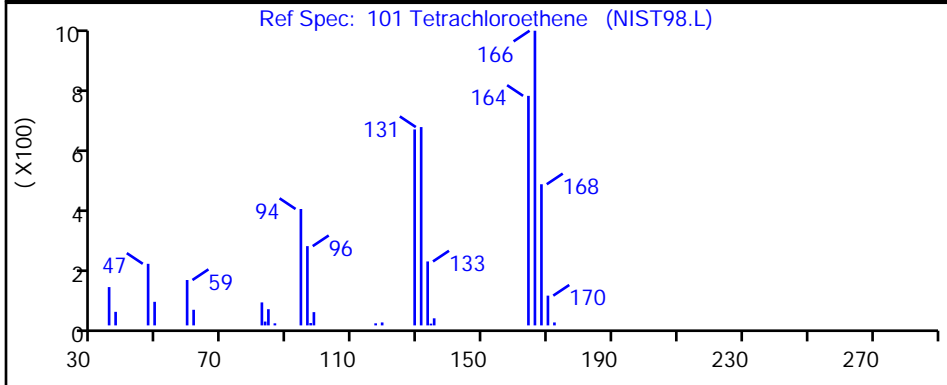
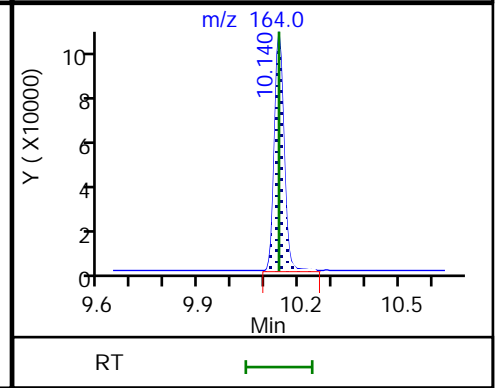
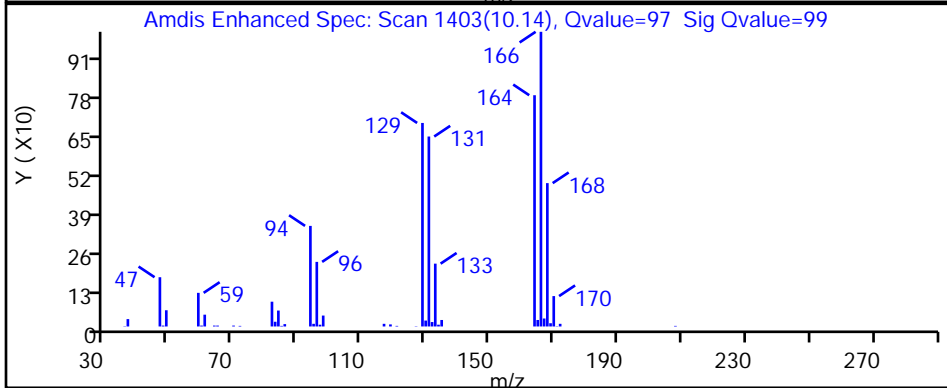
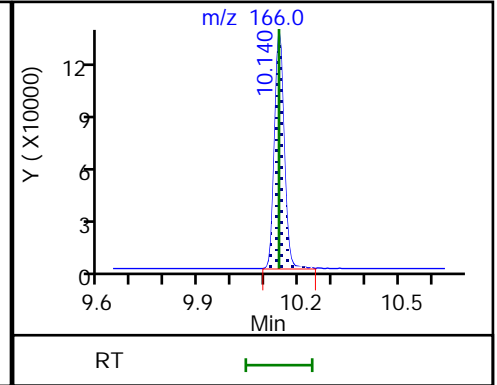
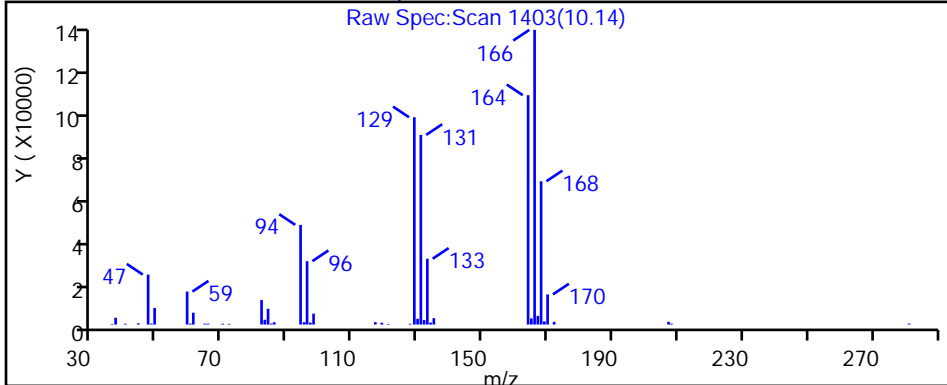
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

101 Tetrachloroethene, CAS: 127-18-4



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X13.D

Injection Date: 02-Jul-2023 15:55:30

Instrument ID: 19930

Lims ID: 410-131835-A-9

Lab Sample ID: 410-131835-9

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

Operator ID: knk41612

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

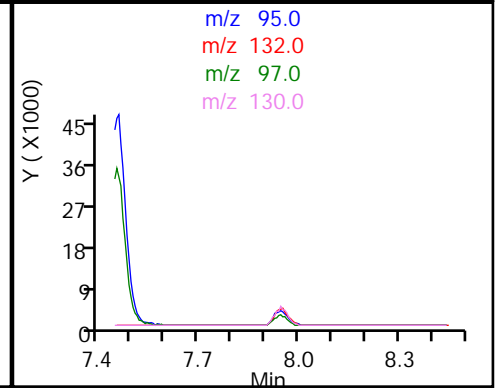
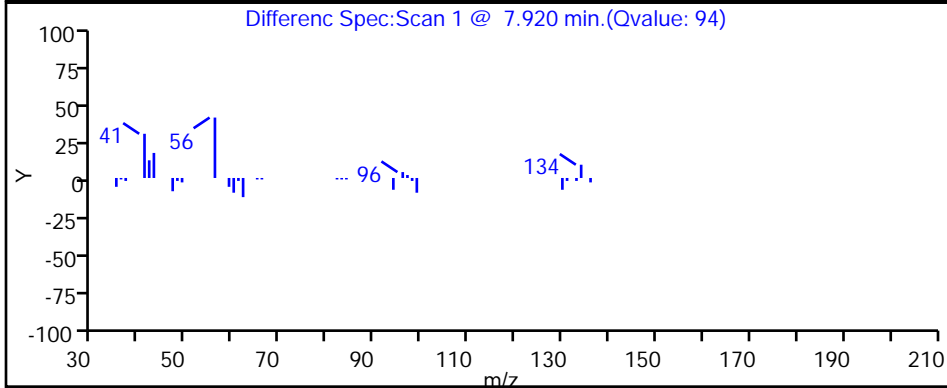
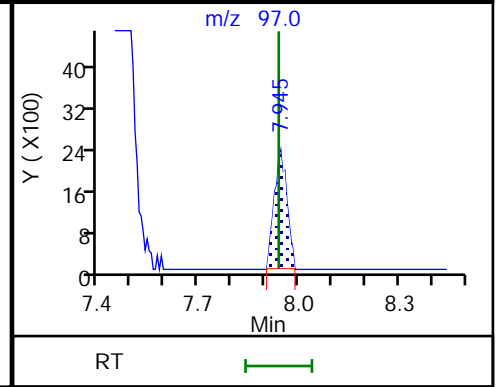
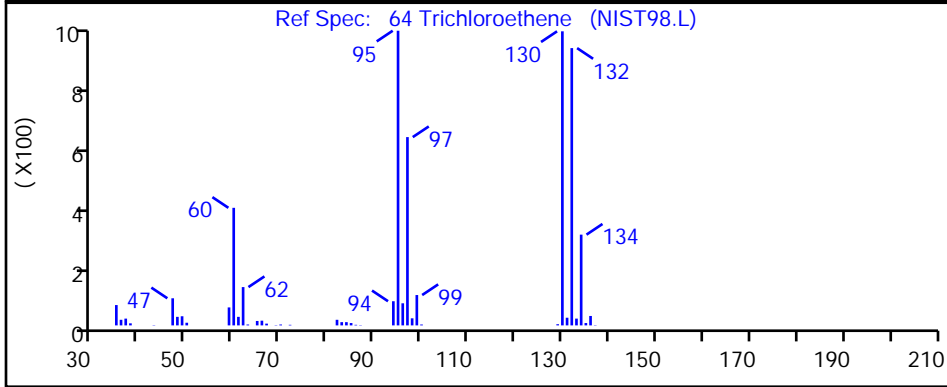
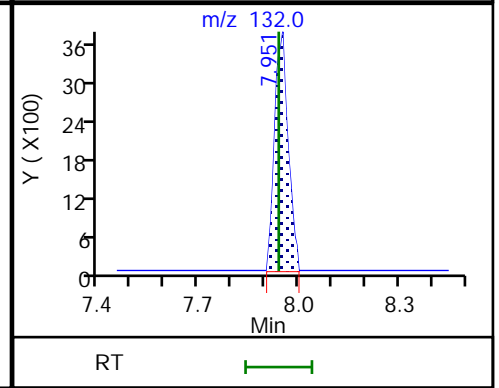
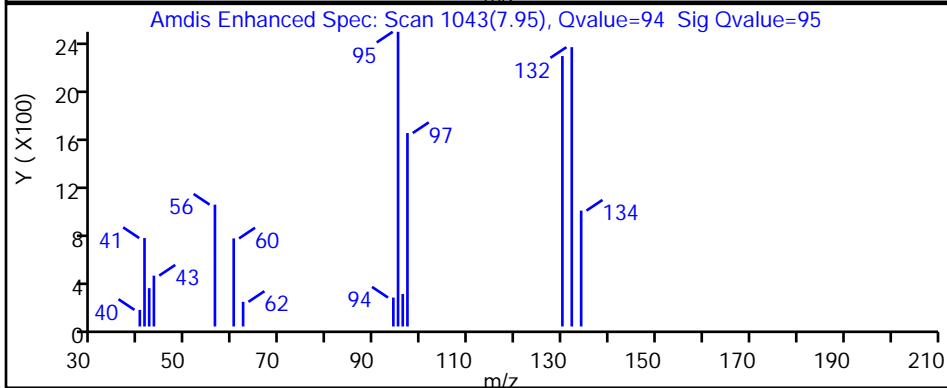
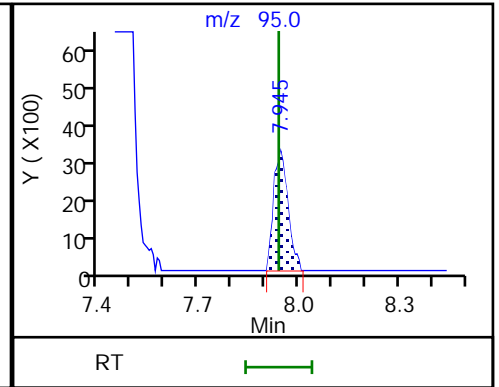
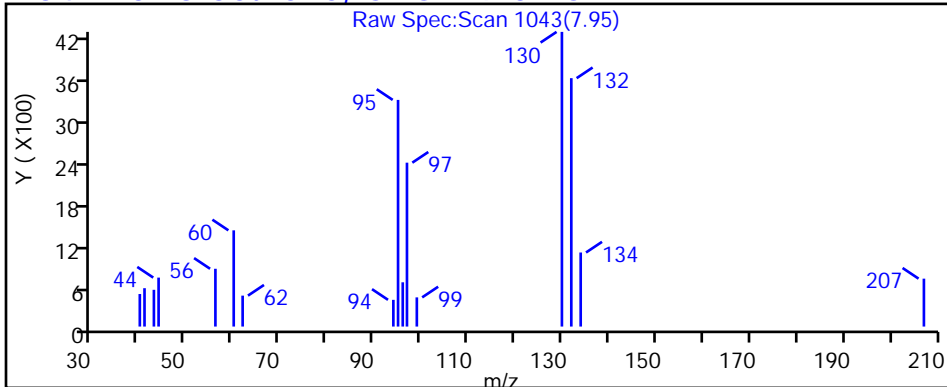
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

64 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

SDG No.:

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

Lab Sample ID: 410-131835-10

Matrix: Water

Lab File ID: IL02X14.D

Analysis Method: 8260D

Date Collected: 06/21/2023 11:26

Sample wt/vol: 25 (mL)

Date Analyzed: 07/02/2023 16:16

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 393012

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	2.3	J	5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.13	J	0.50	0.090
74-87-3	Chloromethane	0.13	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.39	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.58		0.50	0.20
108-88-3	Toluene	0.081	J	0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-131835-1
 Environment Testing, LLC

SDG No.:

Client Sample ID: HD-COD-SW-27-0/1-0 Lab Sample ID: 410-131835-10

Matrix: Water Lab File ID: IL02X14.D

Analysis Method: 8260D Date Collected: 06/21/2023 11:26

Sample wt/vol: 25 (mL) Date Analyzed: 07/02/2023 16:16

Soil Aliquot Vol: Dilution Factor: 1

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

Purge Volume: 25.0 (mL) Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 393012 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	0.35	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)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		80-120
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X14.D
 Lims ID: 410-131835-A-10
 Client ID: HD-COD-SW-27-0/1-0
 Sample Type: Client
 Inject. Date: 02-Jul-2023 16:16:30 ALS Bottle#: 14 Worklist Smp#: 15
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088040-015
 Operator ID: knk41612 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 10:52:50 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: DVW2

Date: 03-Jul-2023 10:48:57

Compound	Sig	RT (min.)	Exp RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50	2.044	2.050	-0.006	97	8635	0.1264	
5 Vinyl chloride	62		2.160				ND	
7 Bromomethane	94		2.471				ND	
8 Chloroethane	64		2.544				ND	
15 1,1-Dichloroethene	96		3.349				ND	
16 Acetone	43	3.379	3.367	0.012	91	14330	2.33	
20 Carbon disulfide	76	3.635	3.635	0.000	94	5218	0.0427	
25 Methylene Chloride	84		3.970				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.977	3.983	-0.006	26	128784	50.0	
29 Methyl tert-butyl ether	73		4.361				ND	
30 trans-1,2-Dichloroethene	96		4.367				ND	
32 1,1-Dichloroethane	63		5.025				ND	
38 2-Butanone (MEK)	43		5.824				ND	7
39 cis-1,2-Dichloroethene	96	5.873	5.866	0.007	76	22005	0.3945	
46 Chlorobromomethane	128		6.196				ND	
48 Chloroform	83	6.354	6.348	0.006	90	11625	0.1310	
\$ 49 Dibromofluoromethane (Surr)	113	6.562	6.567	-0.005	94	438272	10.2	
50 1,1,1-Trichloroethane	97		6.574				ND	7
54 Carbon tetrachloride	117		6.787				ND	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.013	7.013	0.000	62	86186	10.1	
57 Benzene	78		7.049				ND	
58 1,2-Dichloroethane	62		7.122				ND	
* 61 Fluorobenzene (IS)	96	7.458	7.458	0.000	99	1679777	10.0	
64 Trichloroethene	95	7.945	7.939	0.006	95	19577	0.3548	
66 1,2-Dichloropropane	63		8.268				ND	
71 Dichlorobromomethane	83		8.616				ND	7
76 cis-1,3-Dichloropropene	75		9.177				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.354				ND	
\$ 78 Toluene-d8 (Surr)	98	9.494	9.494	0.000	93	1730902	9.72	
79 Toluene	92	9.573	9.573	0.000	97	11422	0.0813	
97 trans-1,3-Dichloropropene	75		9.841				ND	
100 1,1,2-Trichloroethane	97		10.049				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.140	10.140	0.000	96	42854	0.5847	
103 2-Hexanone	43		10.268				ND	
105 Chlorodibromomethane	129		10.433				ND	
106 Ethylene Dibromide	107		10.542				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.981	10.981	0.000	84	1385619	10.0	
109 Chlorobenzene	112		11.006				ND	
111 1,1,1,2-Tetrachloroethane	131		11.091				ND	
112 Ethylbenzene	91		11.097				ND	7
113 m-Xylene & p-Xylene	106	11.219	11.213	0.006	92	5938	0.0536	
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.542				ND	7
115 Styrene	104		11.560				ND	
116 Bromoform	173		11.719				ND	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.993	11.993	0.000	97	660494	9.84	
121 1,1,2,2-Tetrachloroethane	83		12.097				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	93	860904	10.0	

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\20230702-88040.b\IL02X14.D

Injection Date: 02-Jul-2023 16:16:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: 410-131835-A-10

Lab Sample ID: 410-131835-10

Worklist Smp#: 15

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

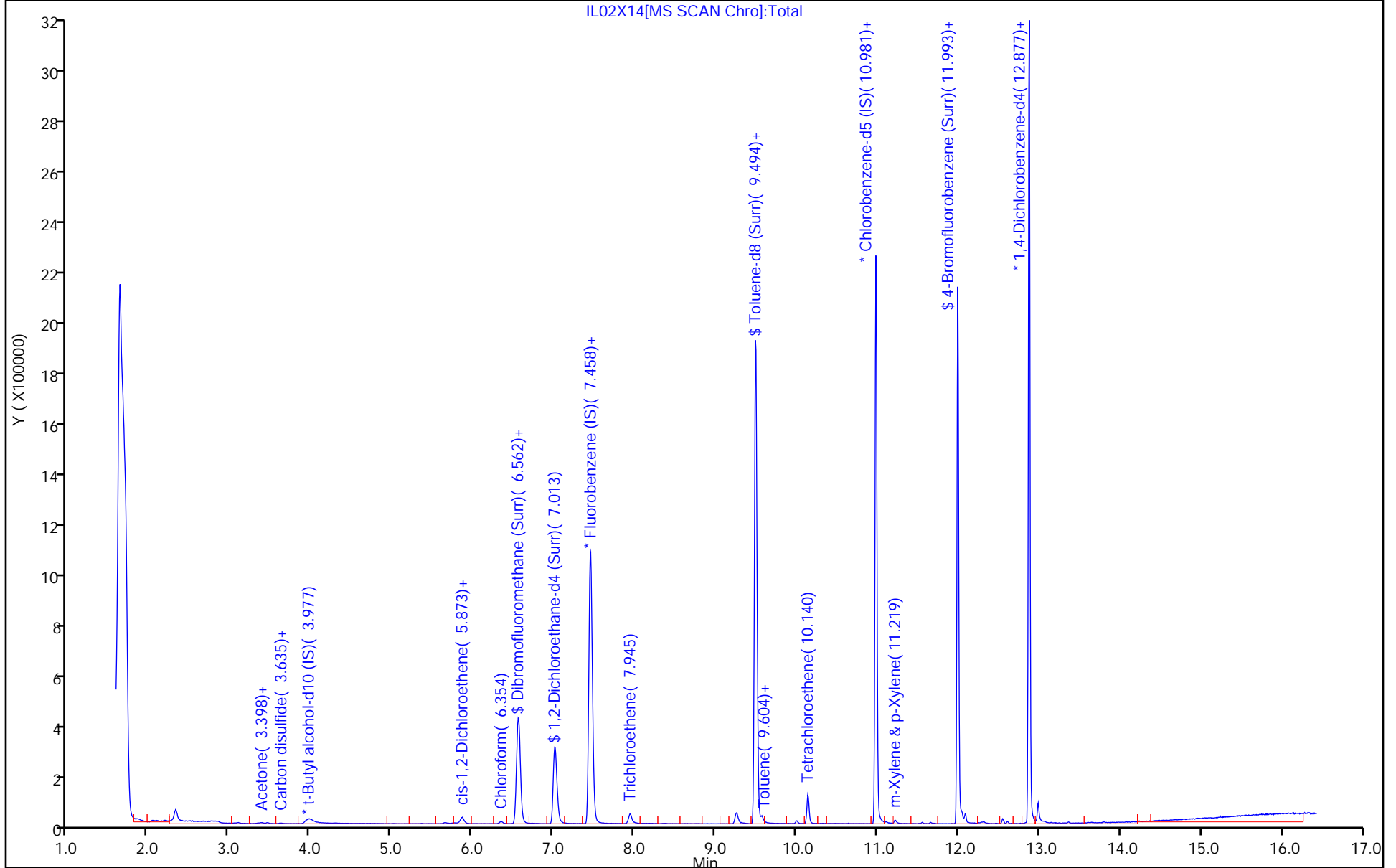
ALS Bottle#: 14

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
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X14.D
 Lims ID: 410-131835-A-10
 Client ID: HD-COD-SW-27-0/1-0
 Sample Type: Client
 Inject. Date: 02-Jul-2023 16:16:30 ALS Bottle#: 14 Worklist Smp#: 15
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088040-015
 Operator ID: knk41612 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 10:52:50 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: DVW2

Date: 03-Jul-2023 10:48:57

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	10.2	101.58
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	100.74
\$ 78 Toluene-d8 (Surr)	10.0	9.72	97.16
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.84	98.40

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X14.D

Injection Date: 02-Jul-2023 16:16:30

Instrument ID: 19930

Lims ID: 410-131835-A-10

Lab Sample ID: 410-131835-10

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

Operator ID: knk41612

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

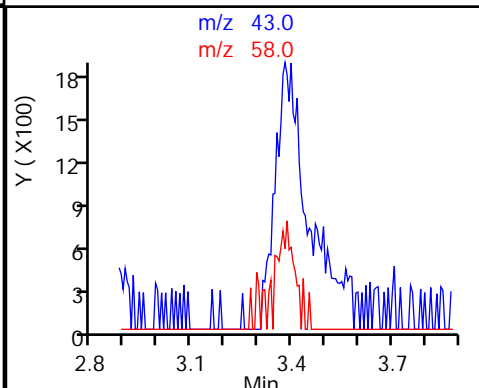
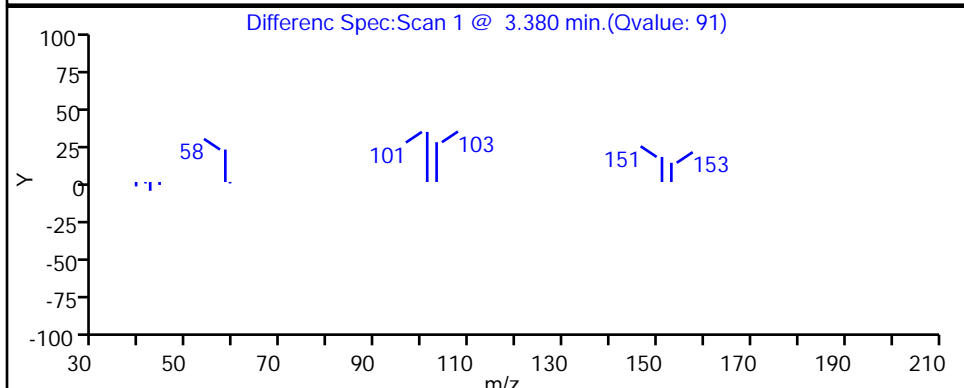
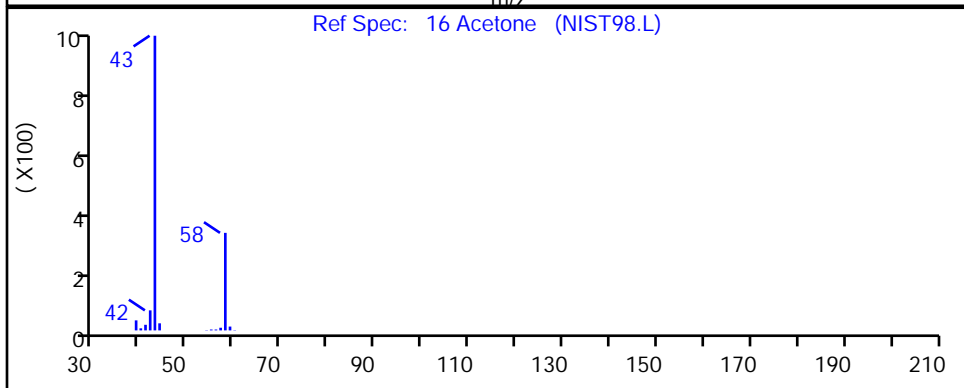
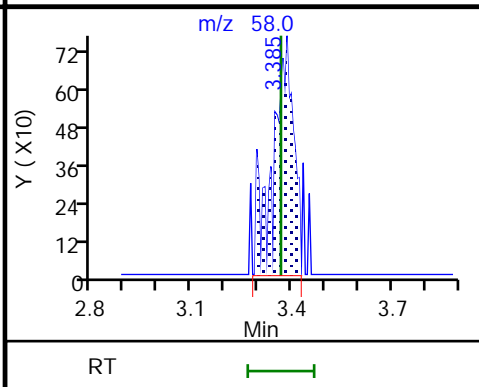
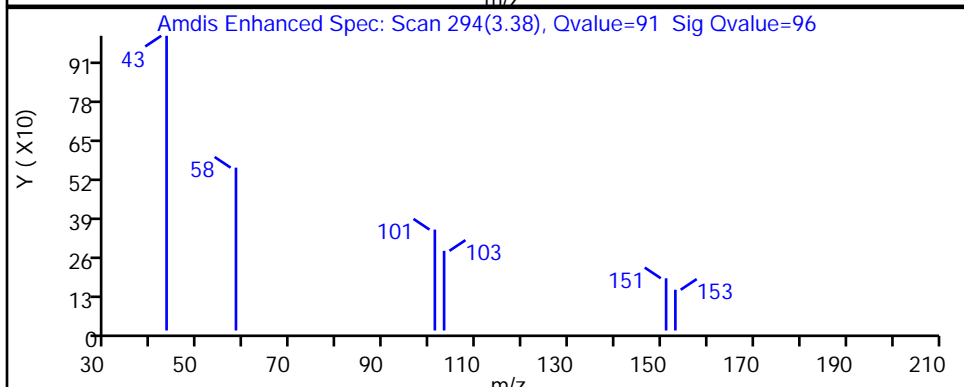
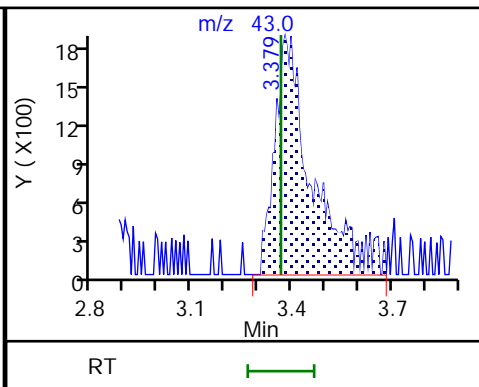
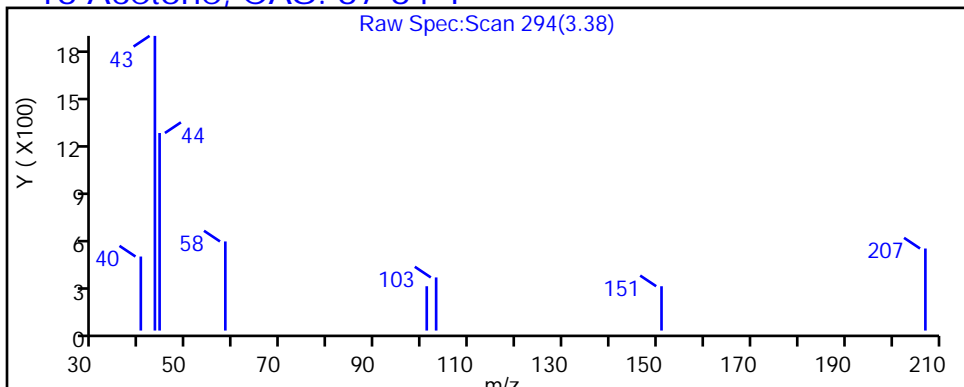
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

16 Acetone, CAS: 67-64-1



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\ILO2X14.D

Injection Date: 02-Jul-2023 16:16:30

Instrument ID: 19930

Lims ID: 410-131835-A-10

Lab Sample ID: 410-131835-10

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

Operator ID: knk41612

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

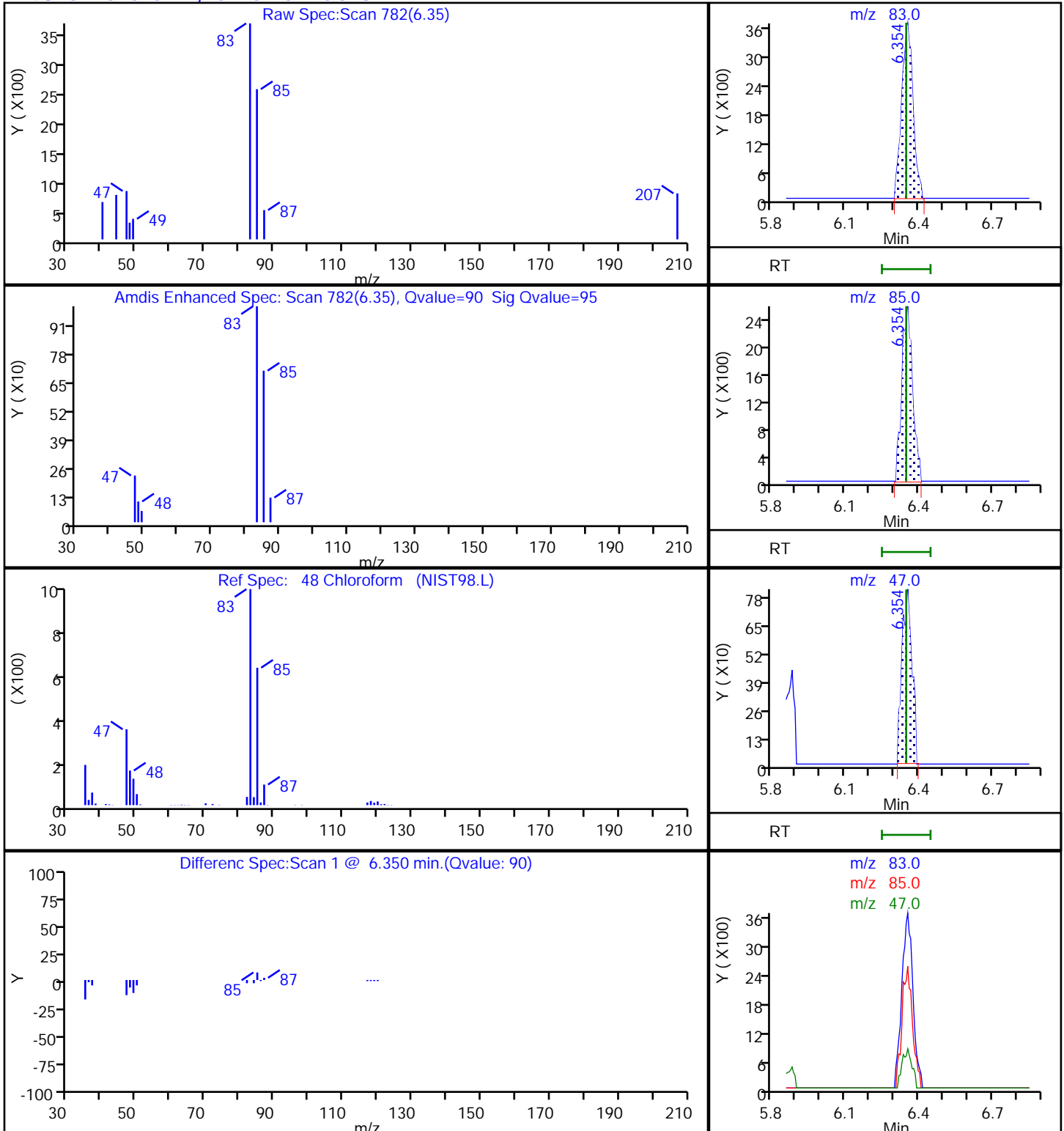
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

48 Chloroform, CAS: 67-66-3



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X14.D

Injection Date: 02-Jul-2023 16:16:30

Instrument ID: 19930

Lims ID: 410-131835-A-10

Lab Sample ID: 410-131835-10

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

Operator ID: knk41612

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

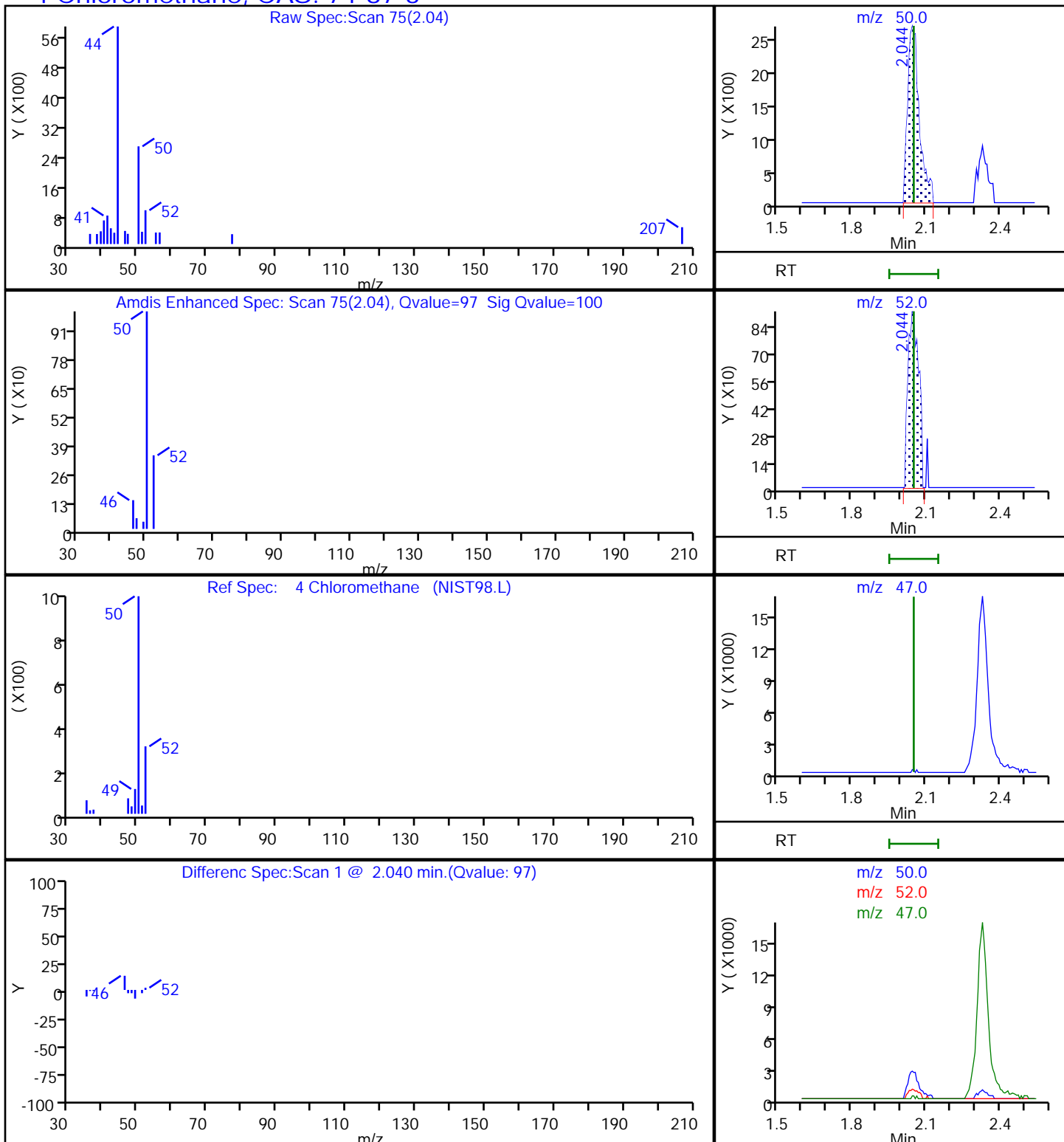
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

4 Chloromethane, CAS: 74-87-3



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X14.D

Injection Date: 02-Jul-2023 16:16:30

Instrument ID: 19930

Lims ID: 410-131835-A-10

Lab Sample ID: 410-131835-10

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

Operator ID: knk41612

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

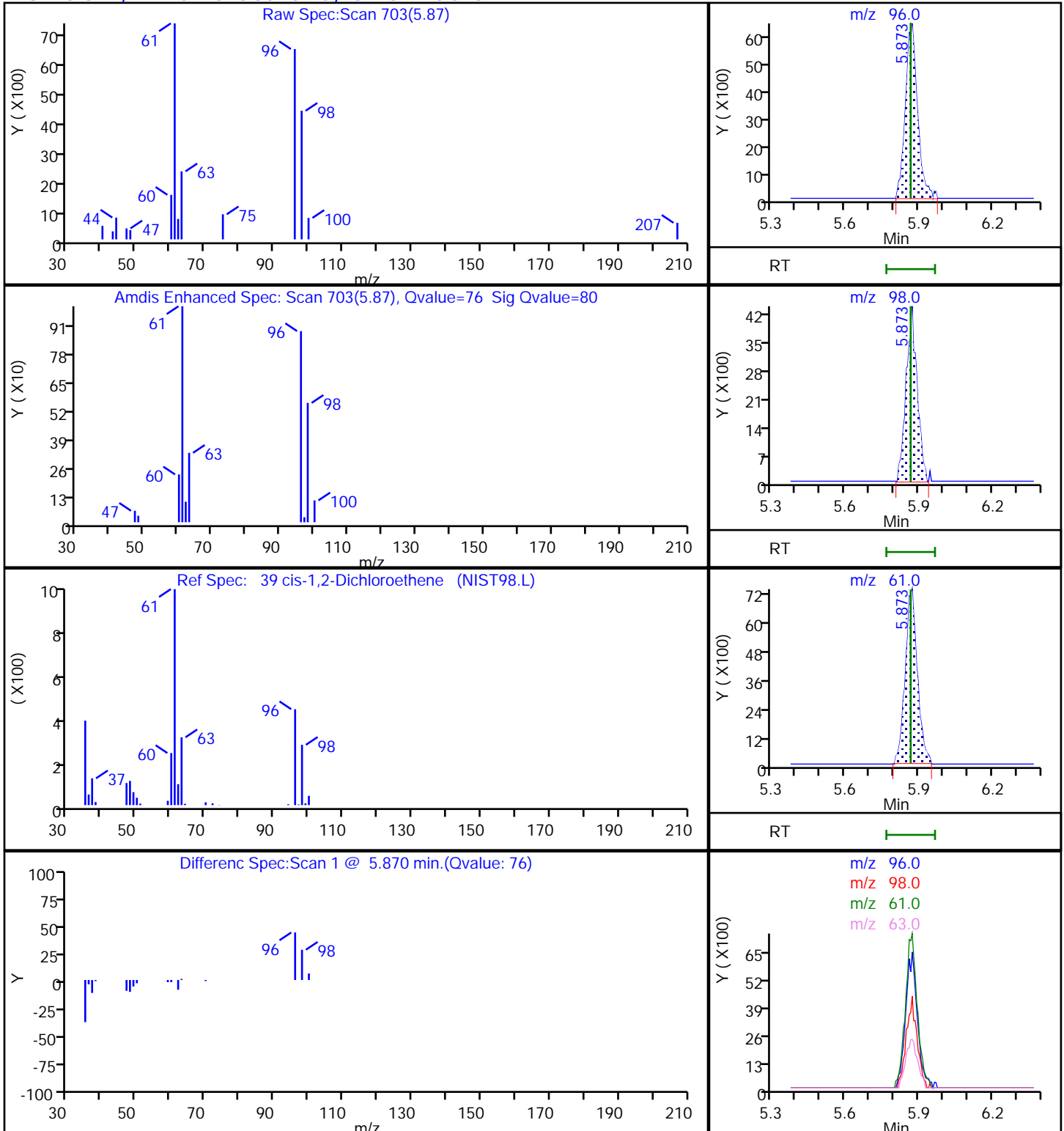
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X14.D

Injection Date: 02-Jul-2023 16:16:30

Instrument ID: 19930

Lims ID: 410-131835-A-10

Lab Sample ID: 410-131835-10

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

Operator ID: knk41612

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

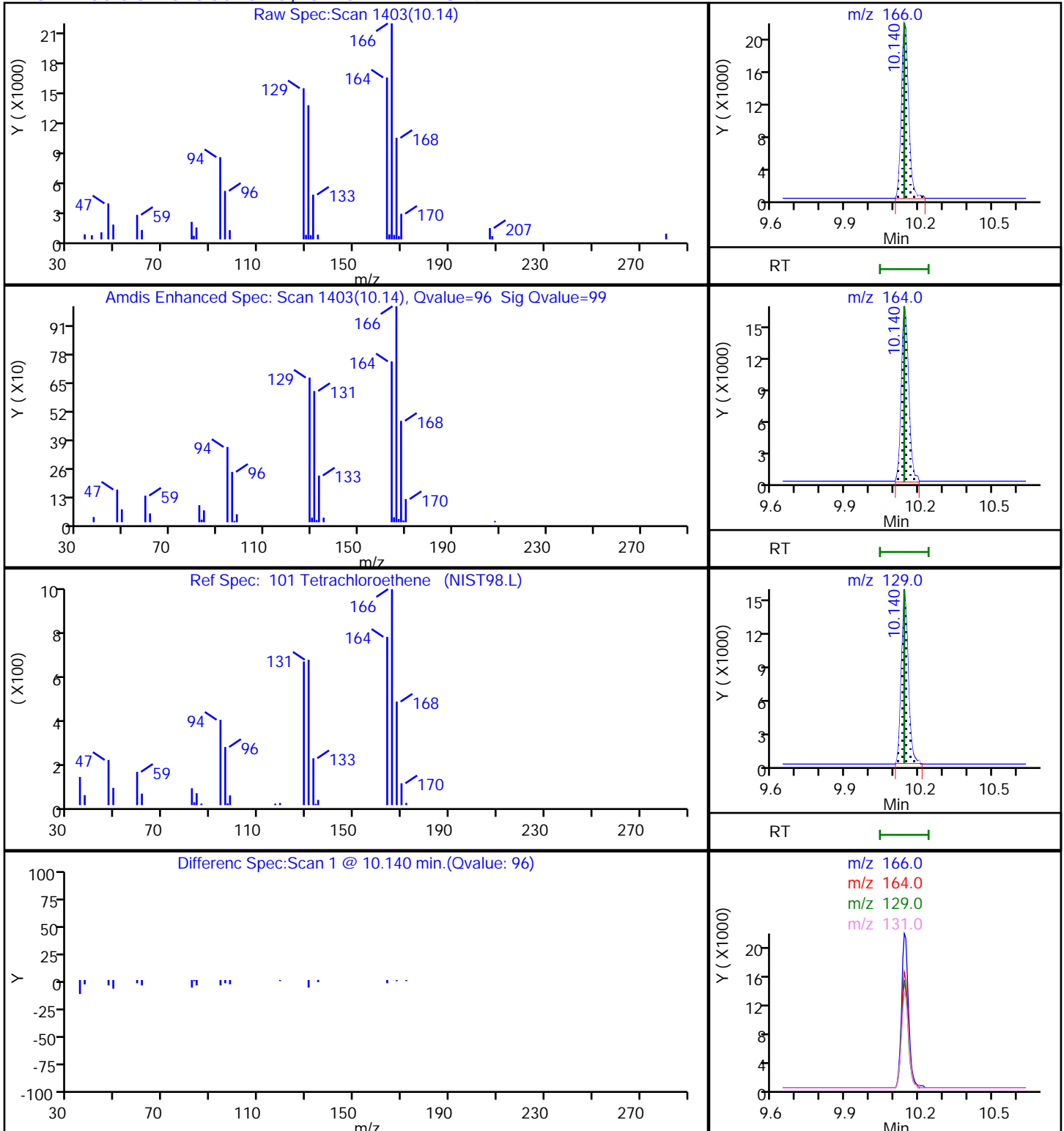
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

101 Tetrachloroethene, CAS: 127-18-4



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X14.D

Injection Date: 02-Jul-2023 16:16:30

Instrument ID: 19930

Lims ID: 410-131835-A-10

Lab Sample ID: 410-131835-10

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

Operator ID: knk41612

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

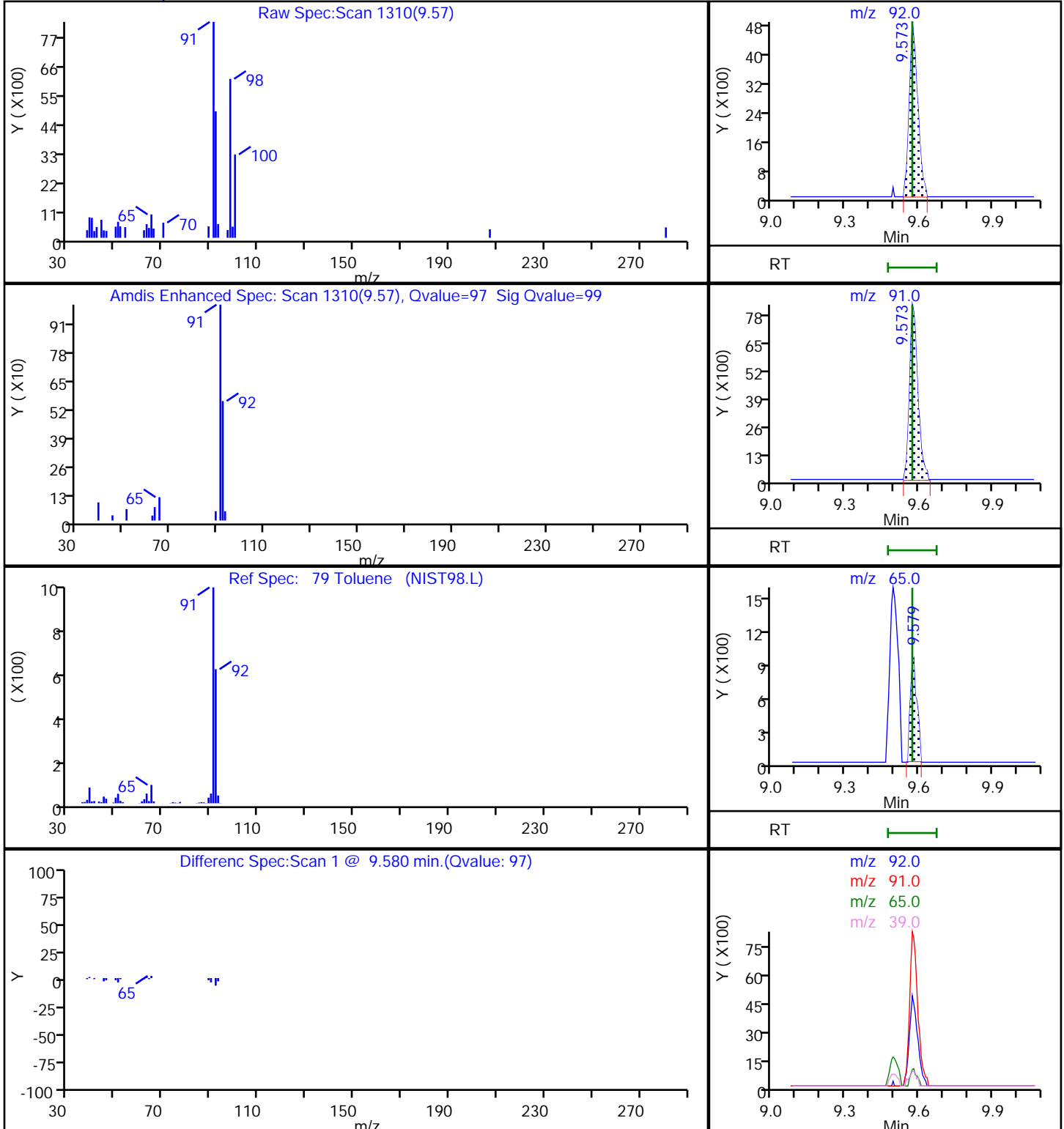
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

79 Toluene, CAS: 108-88-3



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X14.D

Injection Date: 02-Jul-2023 16:16:30

Instrument ID: 19930

Lims ID: 410-131835-A-10

Lab Sample ID: 410-131835-10

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

Operator ID: knk41612

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

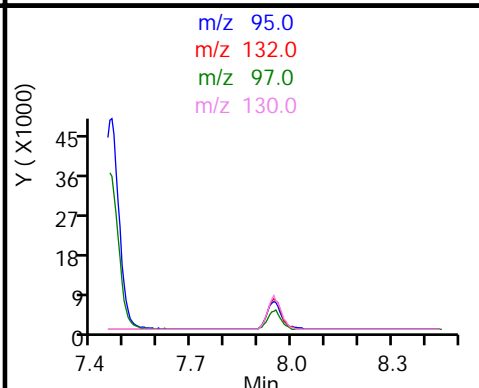
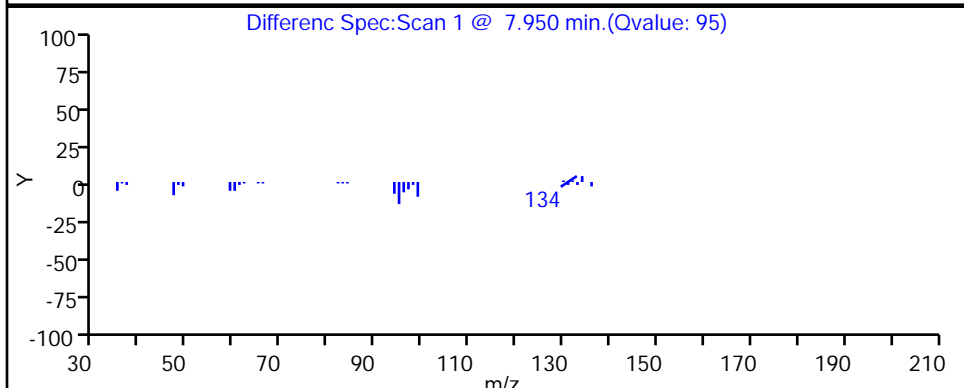
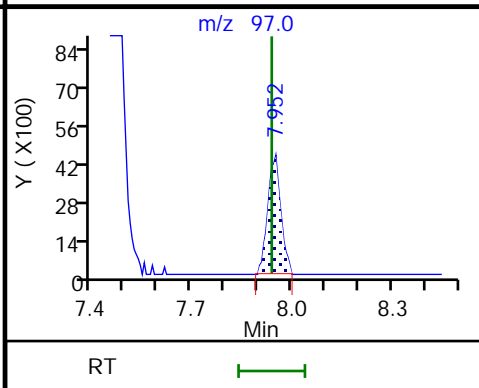
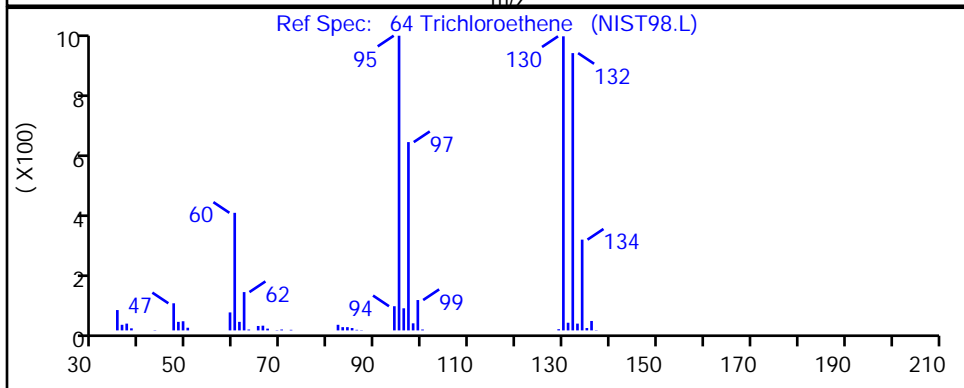
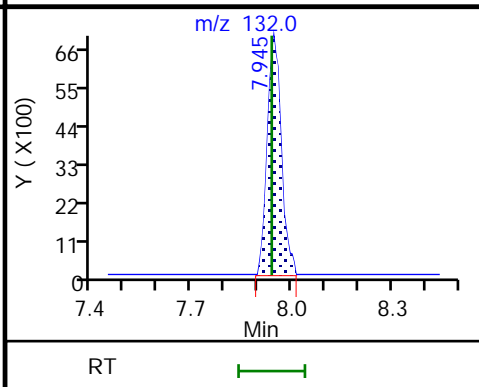
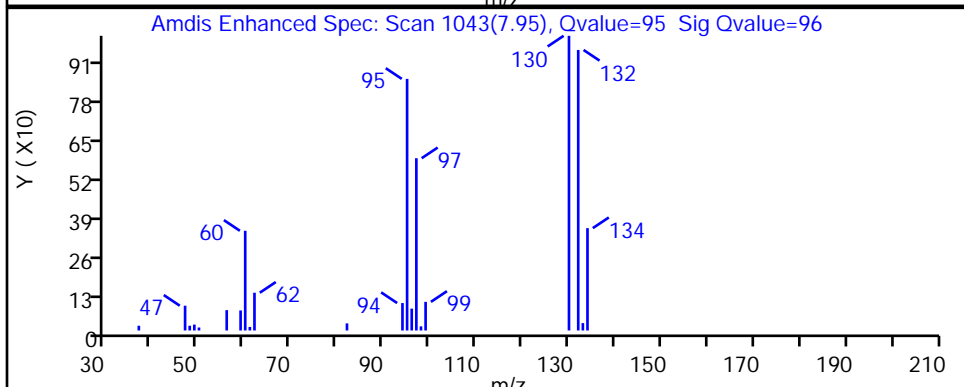
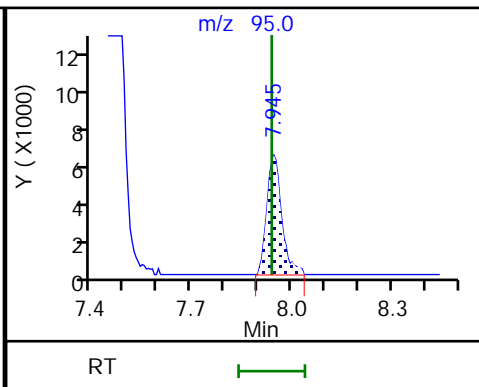
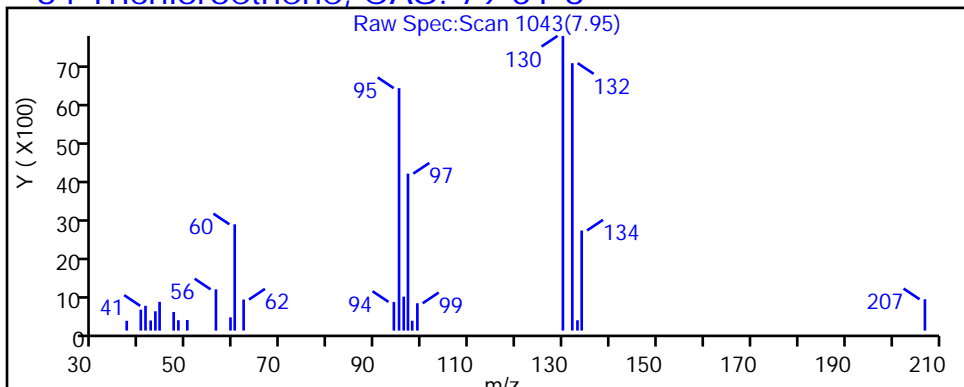
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

64 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

SDG No.:

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

Lab Sample ID: 410-131835-11

Matrix: Water

Lab File ID: IL02X15.D

Analysis Method: 8260D

Date Collected: 06/21/2023 12:50

Sample wt/vol: 25 (mL)

Date Analyzed: 07/02/2023 16:37

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.: 393012

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	4.0	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		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.091	J	0.50	0.090
74-87-3	Chloromethane	0.10	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.28	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20
108-88-3	Toluene	0.11	J	0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-131835-1
 Environment Testing, LLC

SDG No.:

Client Sample ID: HD-COD-SW-28-0/1-0 Lab Sample ID: 410-131835-11

Matrix: Water Lab File ID: IL02X15.D

Analysis Method: 8260D Date Collected: 06/21/2023 12:50

Sample wt/vol: 25 (mL) Date Analyzed: 07/02/2023 16:37

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.: 393012 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	0.22	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)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X15.D
 Lims ID: 410-131835-A-11
 Client ID: HD-COD-SW-28-0/1-0
 Sample Type: Client
 Inject. Date: 02-Jul-2023 16:37:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088040-016
 Operator ID: knk41612 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 10:52:50 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: DVW2

Date: 03-Jul-2023 10:49:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50	2.056	2.050	0.006	44	6974	0.1047	
5 Vinyl chloride	62		2.160				ND	
7 Bromomethane	94		2.471				ND	
8 Chloroethane	64		2.544				ND	
15 1,1-Dichloroethene	96		3.349				ND	
16 Acetone	43	3.391	3.367	0.024	99	23413	4.03	
20 Carbon disulfide	76	3.635	3.635	0.000	98	4742	0.0398	
25 Methylene Chloride	84		3.970				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	4.001	3.983	0.018	26	121343	50.0	
29 Methyl tert-butyl ether	73		4.361				ND	
30 trans-1,2-Dichloroethene	96		4.367				ND	
32 1,1-Dichloroethane	63		5.025				ND	
38 2-Butanone (MEK)	43		5.824				ND	7
39 cis-1,2-Dichloroethene	96	5.867	5.866	0.000	28	15271	0.2808	M
46 Chlorobromomethane	128		6.196				ND	
48 Chloroform	83	6.360	6.348	0.012	90	7897	0.0913	
\$ 49 Dibromofluoromethane (Surr)	113	6.568	6.567	0.001	95	423191	10.1	
50 1,1,1-Trichloroethane	97		6.574				ND	
54 Carbon tetrachloride	117		6.787				ND	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.025	7.013	0.012	62	83747	10.0	
57 Benzene	78		7.049				ND	7
58 1,2-Dichloroethane	62		7.122				ND	
* 61 Fluorobenzene (IS)	96	7.458	7.458	0.000	99	1637783	10.0	
64 Trichloroethene	95	7.951	7.939	0.012	94	11748	0.2184	
66 1,2-Dichloropropane	63		8.268				ND	
71 Dichlorobromomethane	83		8.616				ND	7
76 cis-1,3-Dichloropropene	75		9.177				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.354				ND	7
\$ 78 Toluene-d8 (Surr)	98	9.500	9.494	0.006	92	1671977	9.70	
79 Toluene	92	9.579	9.573	0.006	99	14532	0.1068	
97 trans-1,3-Dichloropropene	75		9.841				ND	
100 1,1,2-Trichloroethane	97		10.049				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.146	10.140	0.006	95	12716	0.1792	
103 2-Hexanone	43		10.268				ND	
105 Chlorodibromomethane	129		10.433				ND	
106 Ethylene Dibromide	107		10.542				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.981	10.981	0.000	84	1341321	10.0	
109 Chlorobenzene	112		11.006				ND	
111 1,1,1,2-Tetrachloroethane	131		11.091				ND	
112 Ethylbenzene	91		11.097				ND	7
113 m-Xylene & p-Xylene	106	11.225	11.213	0.012	92	6030	0.0562	
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.542				ND	7
115 Styrene	104		11.560				ND	
116 Bromoform	173		11.719				ND	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.993	11.993	0.000	97	639765	9.85	
121 1,1,2,2-Tetrachloroethane	83		12.097				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	93	832609	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_LLcentISS_00007

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X15.D

Injection Date: 02-Jul-2023 16:37:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: 410-131835-A-11

Lab Sample ID: 410-131835-11

Worklist Smp#: 16

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

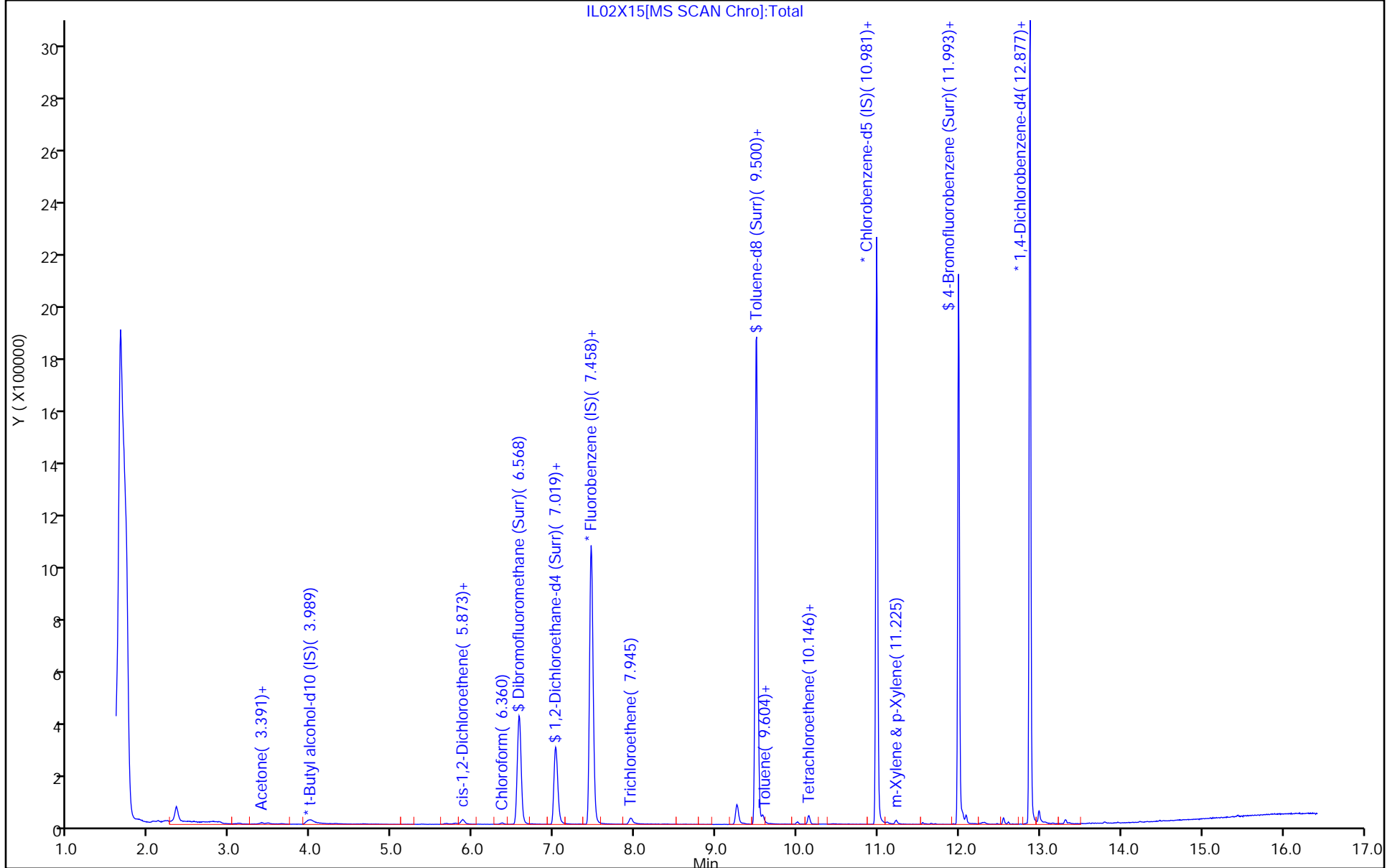
ALS Bottle#: 15

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
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X15.D
 Lims ID: 410-131835-A-11
 Client ID: HD-COD-SW-28-0/1-0
 Sample Type: Client
 Inject. Date: 02-Jul-2023 16:37:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088040-016
 Operator ID: knk41612 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 10:52:50 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: DVW2

Date: 03-Jul-2023 10:49:28

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	10.1	100.60
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.0	100.40
\$ 78 Toluene-d8 (Surr)	10.0	9.70	96.96
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.85	98.46

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\ILO2X15.D

Injection Date: 02-Jul-2023 16:37:30

Instrument ID: 19930

Lims ID: 410-131835-A-11

Lab Sample ID: 410-131835-11

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

Operator ID: knk41612

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

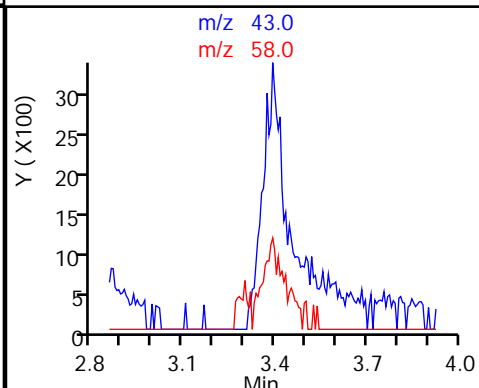
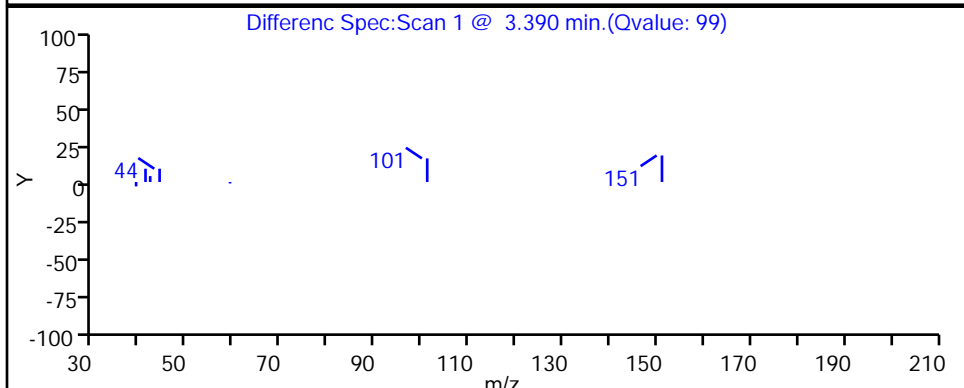
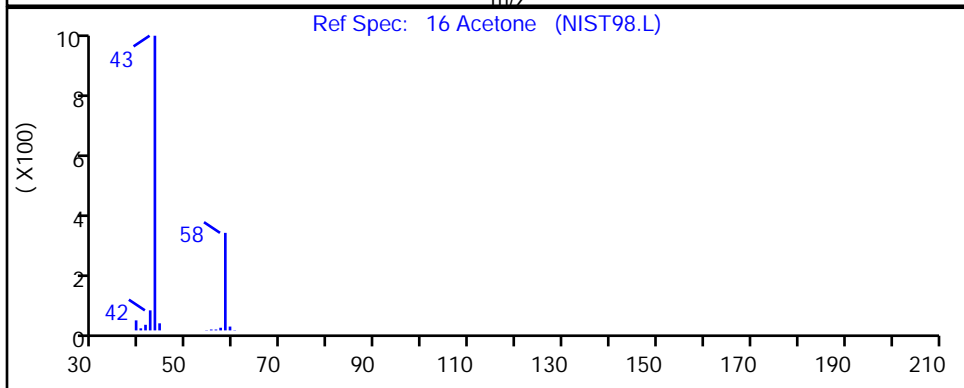
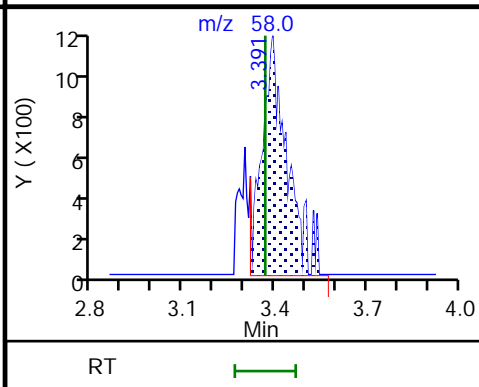
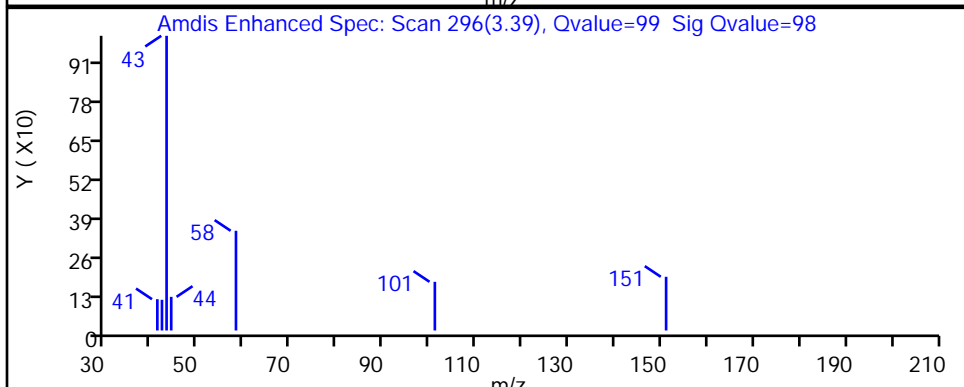
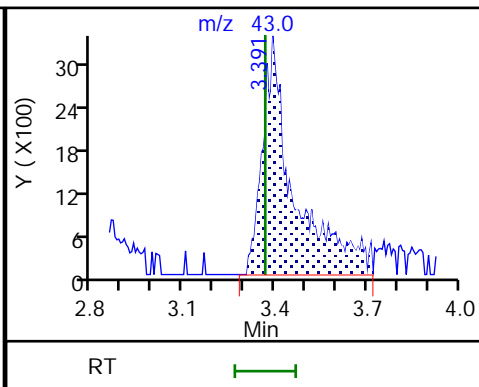
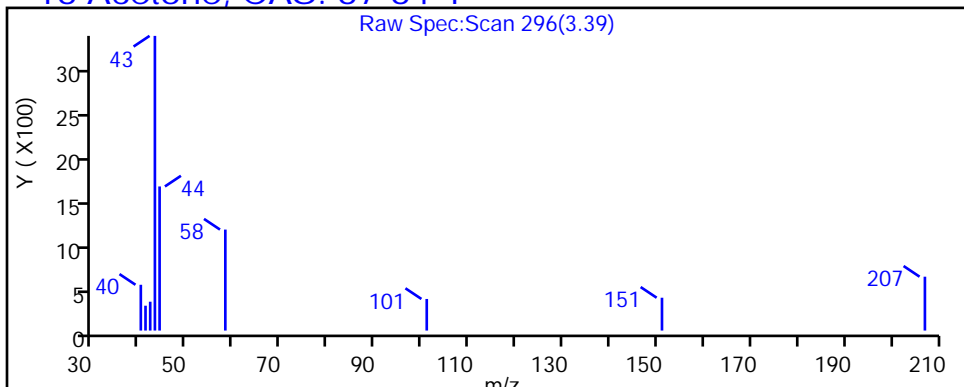
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

16 Acetone, CAS: 67-64-1



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X15.D

Injection Date: 02-Jul-2023 16:37:30

Instrument ID: 19930

Lims ID: 410-131835-A-11

Lab Sample ID: 410-131835-11

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

Operator ID: knk41612

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

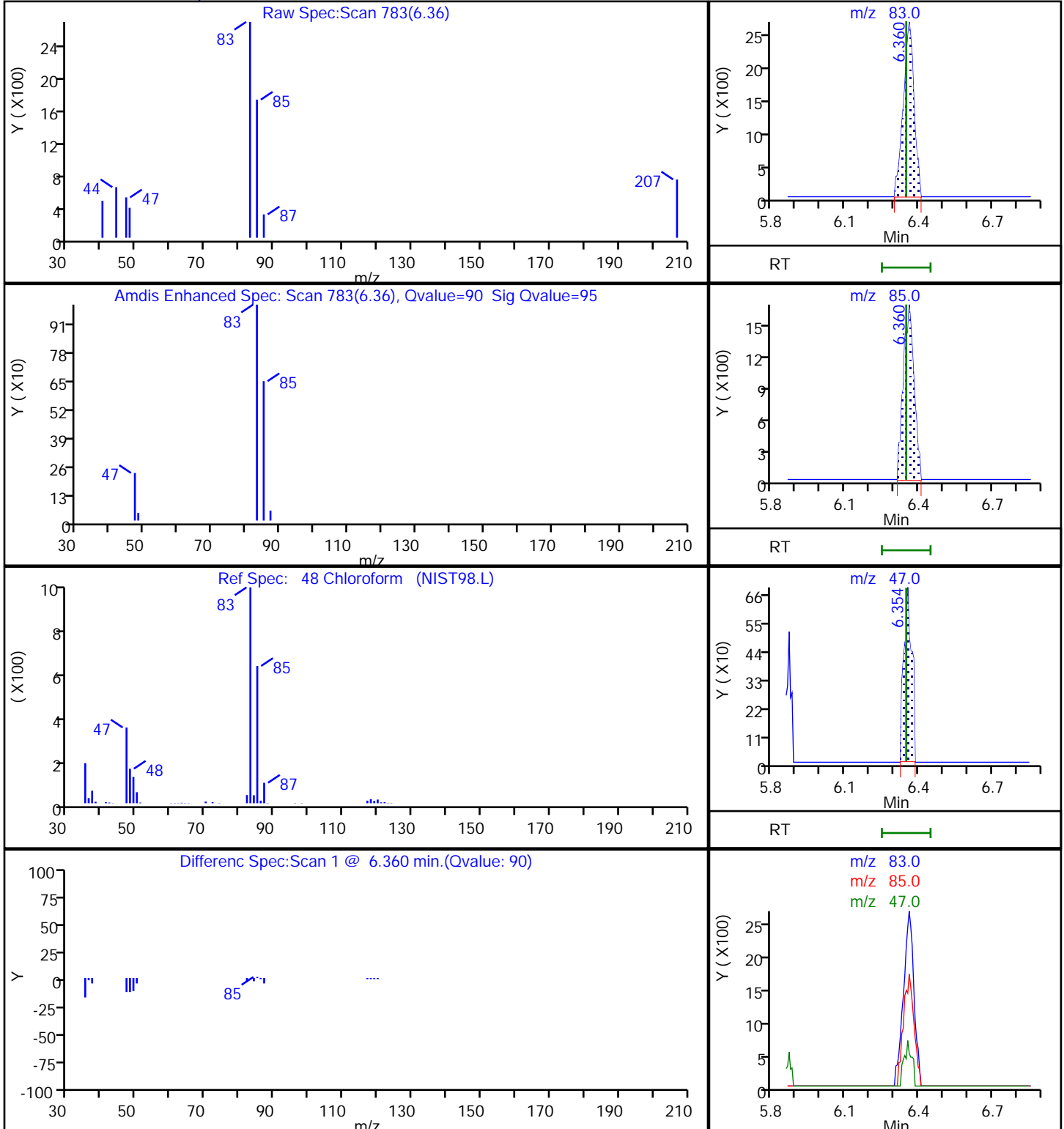
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

48 Chloroform, CAS: 67-66-3



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X15.D

Injection Date: 02-Jul-2023 16:37:30

Instrument ID: 19930

Lims ID: 410-131835-A-11

Lab Sample ID: 410-131835-11

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

Operator ID: knk41612

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

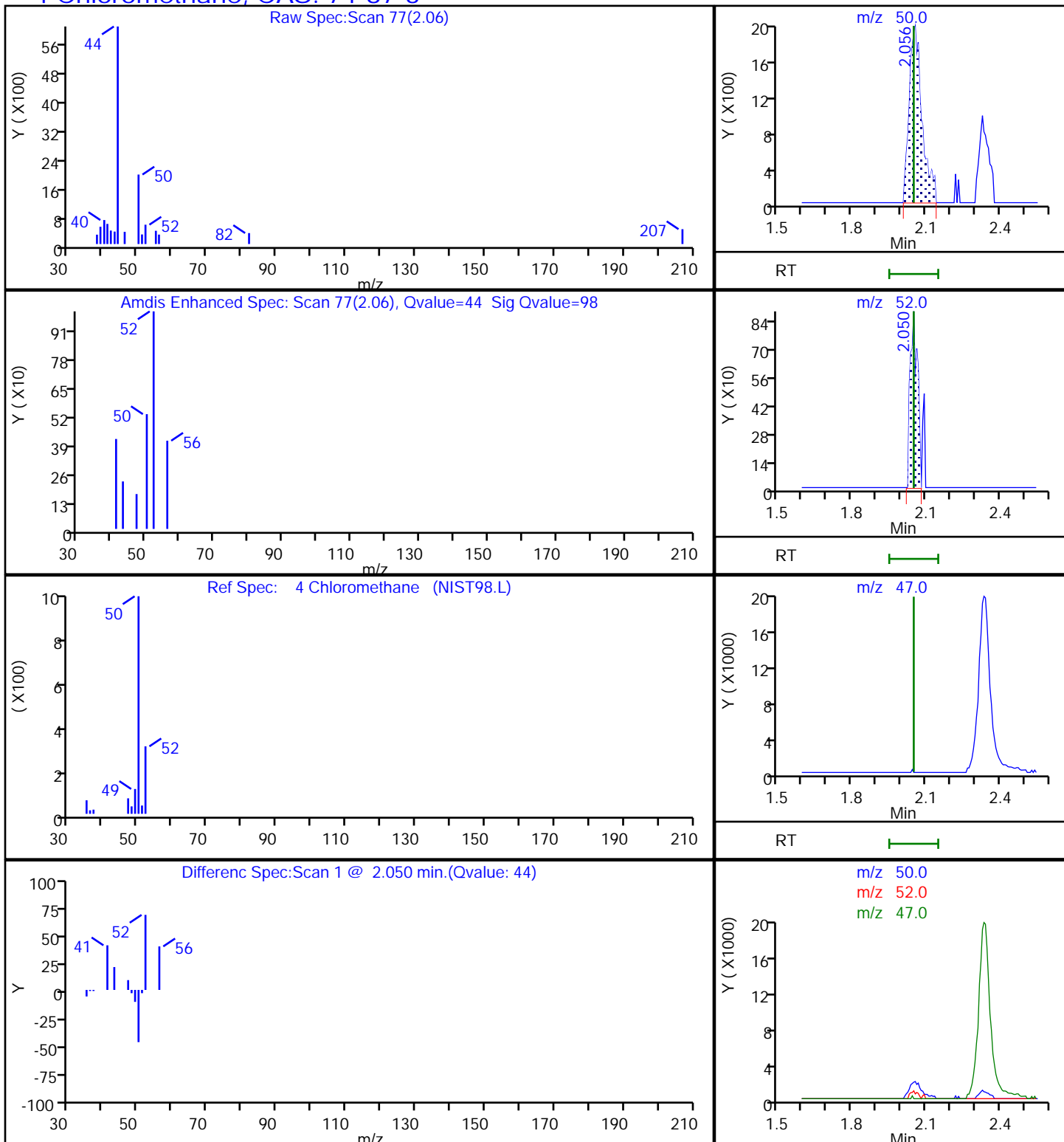
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

4 Chloromethane, CAS: 74-87-3



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X15.D

Injection Date: 02-Jul-2023 16:37:30

Instrument ID: 19930

Lims ID: 410-131835-A-11

Lab Sample ID: 410-131835-11

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

Operator ID: knk41612

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

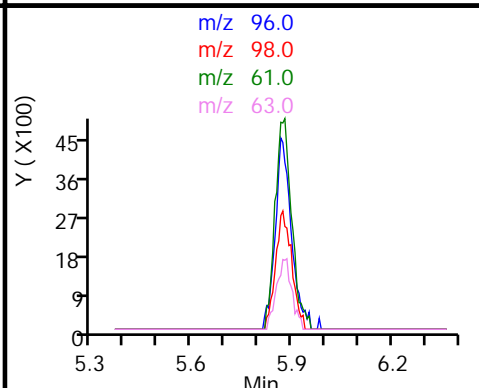
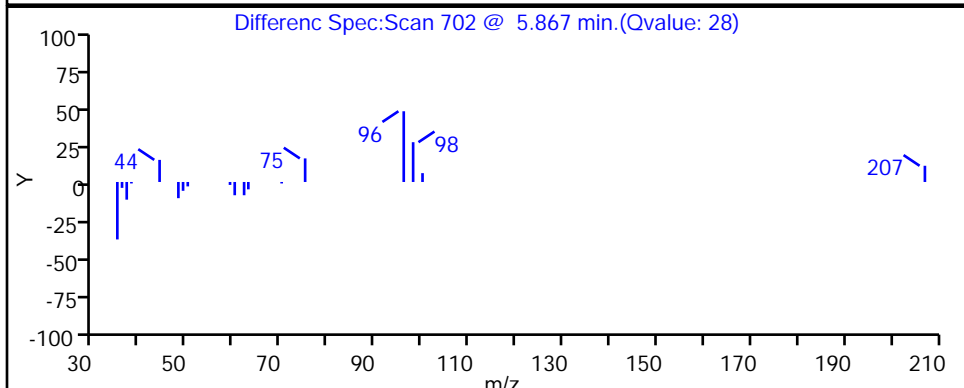
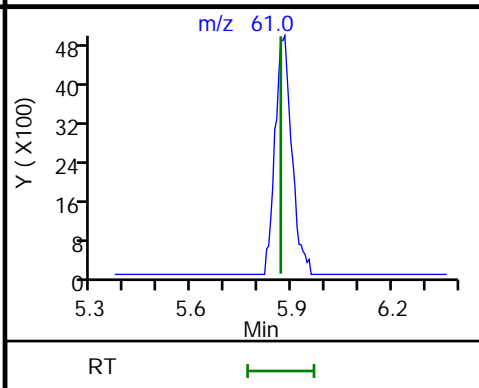
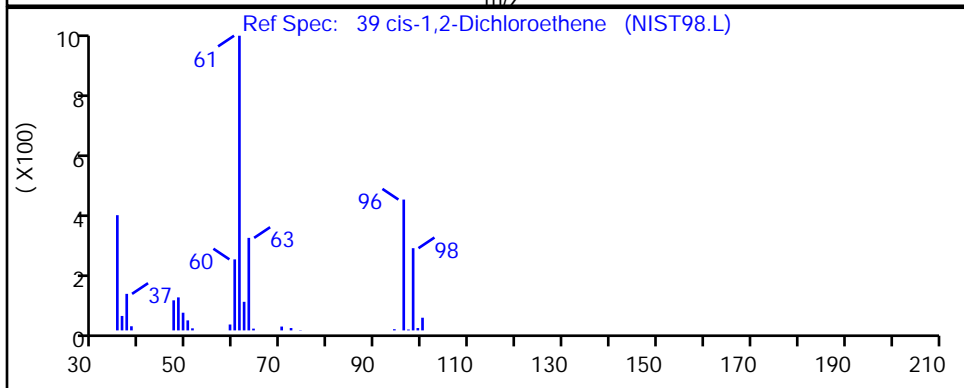
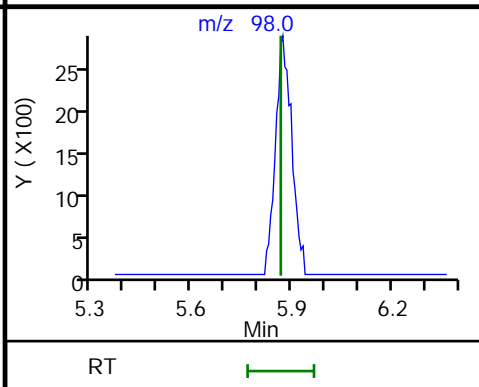
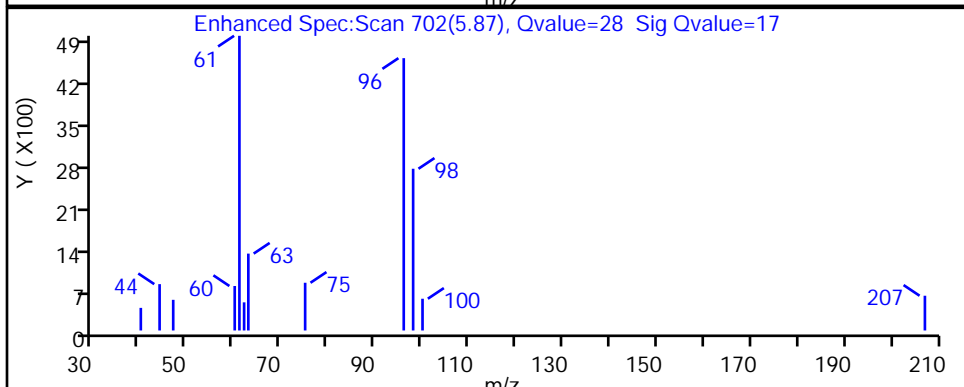
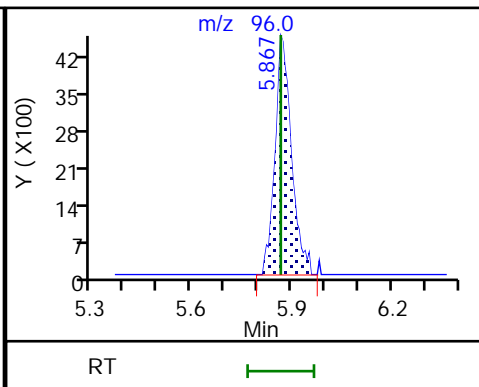
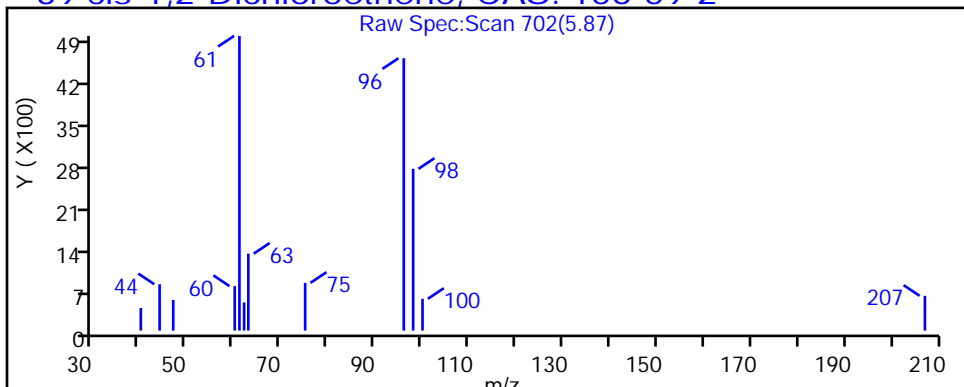
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X15.D

Injection Date: 02-Jul-2023 16:37:30

Instrument ID: 19930

Lims ID: 410-131835-A-11

Lab Sample ID: 410-131835-11

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

Operator ID: knk41612

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

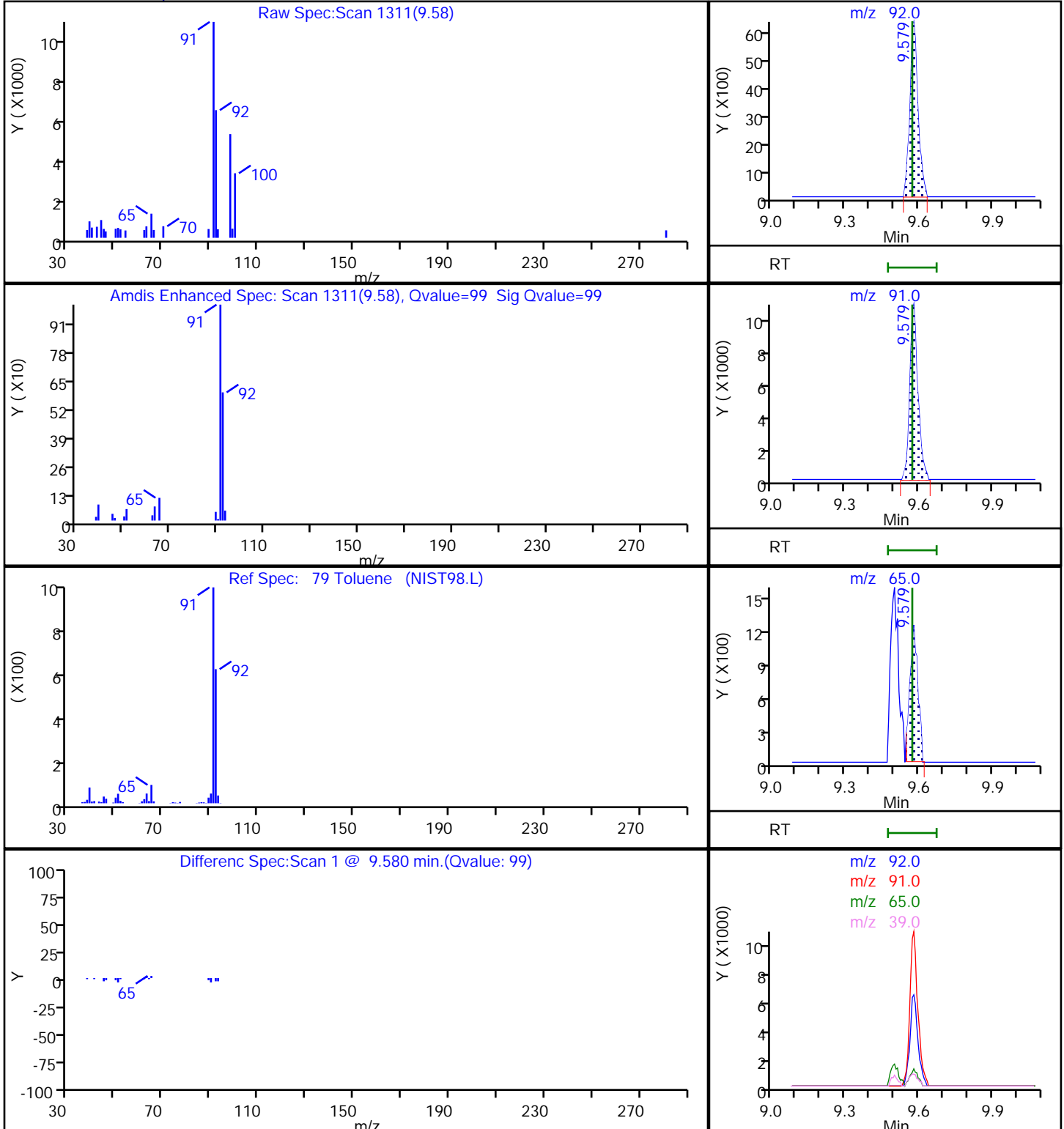
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

79 Toluene, CAS: 108-88-3



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X15.D

Injection Date: 02-Jul-2023 16:37:30

Instrument ID: 19930

Lims ID: 410-131835-A-11

Lab Sample ID: 410-131835-11

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

Operator ID: knk41612

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

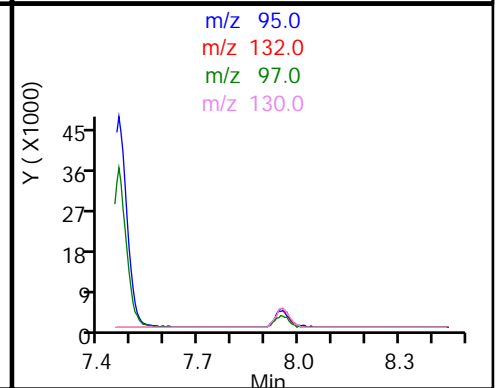
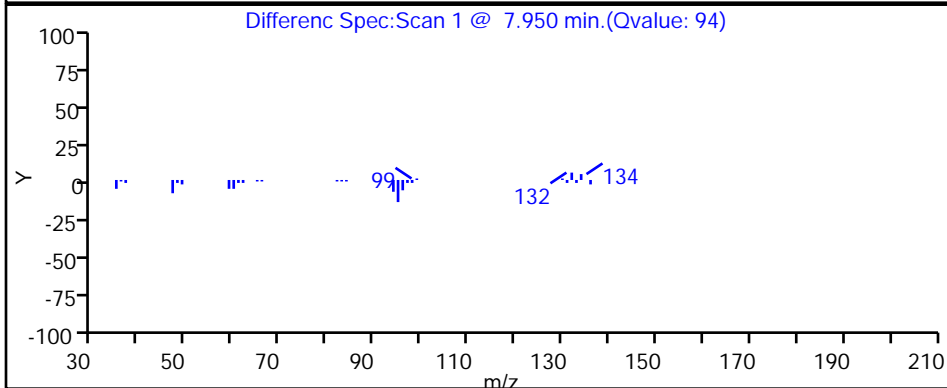
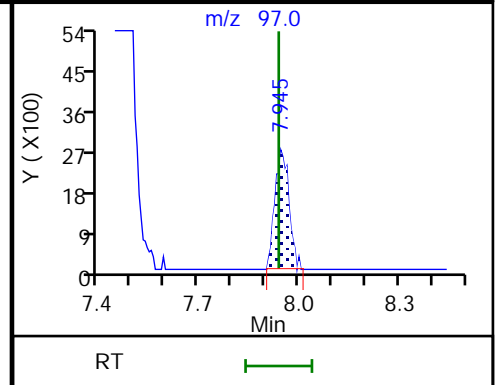
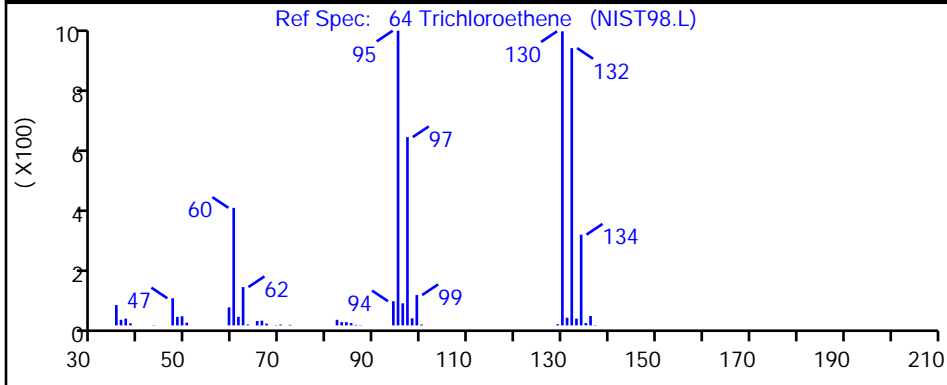
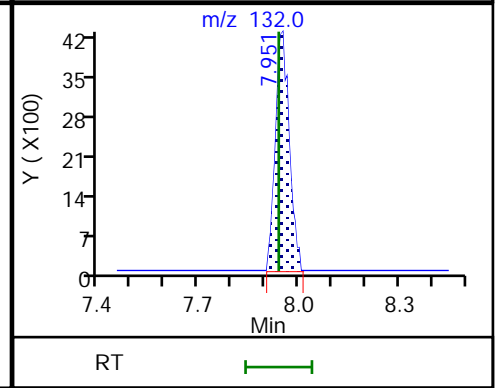
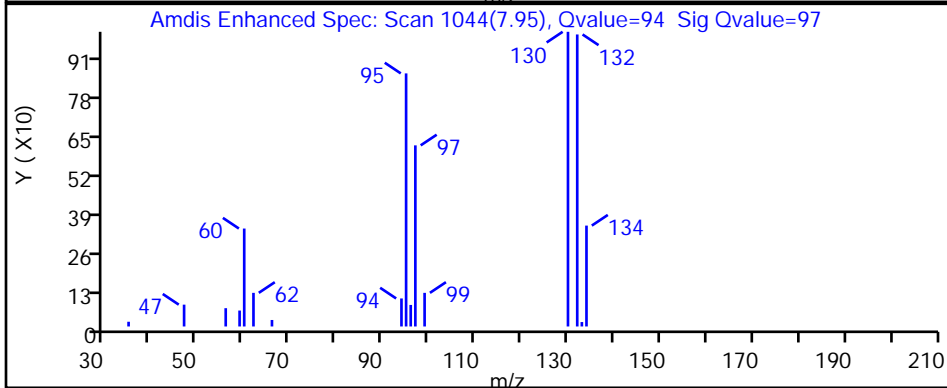
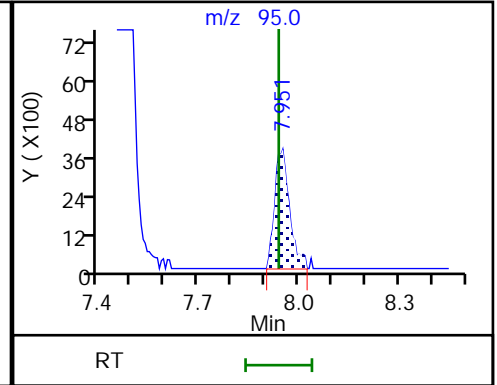
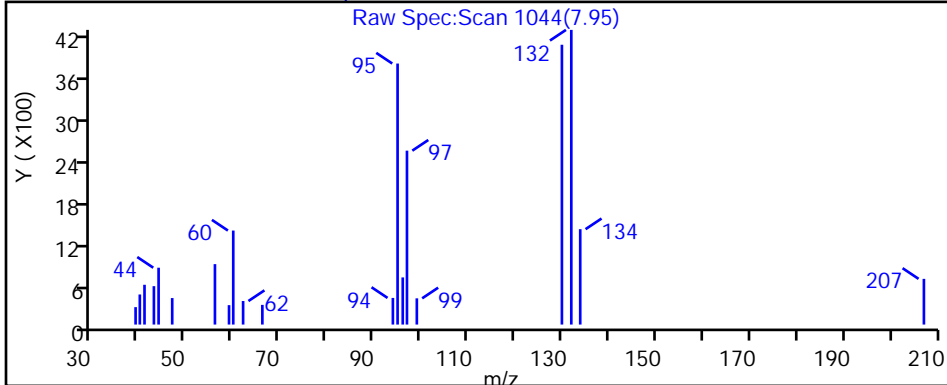
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

64 Trichloroethene, CAS: 79-01-6



Eurofins Lancaster Laboratories Environment Testing, LLC

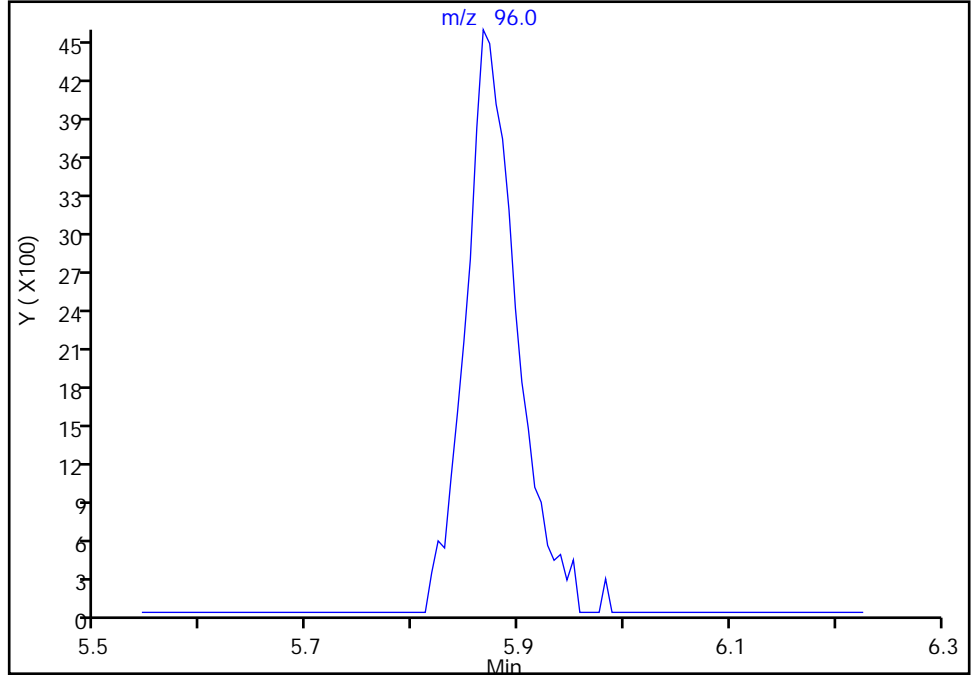
Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X15.D
Injection Date: 02-Jul-2023 16:37:30 Instrument ID: 19930
Lims ID: 410-131835-A-11 Lab Sample ID: 410-131835-11
Client ID: HD-COD-SW-28-0/1-0
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

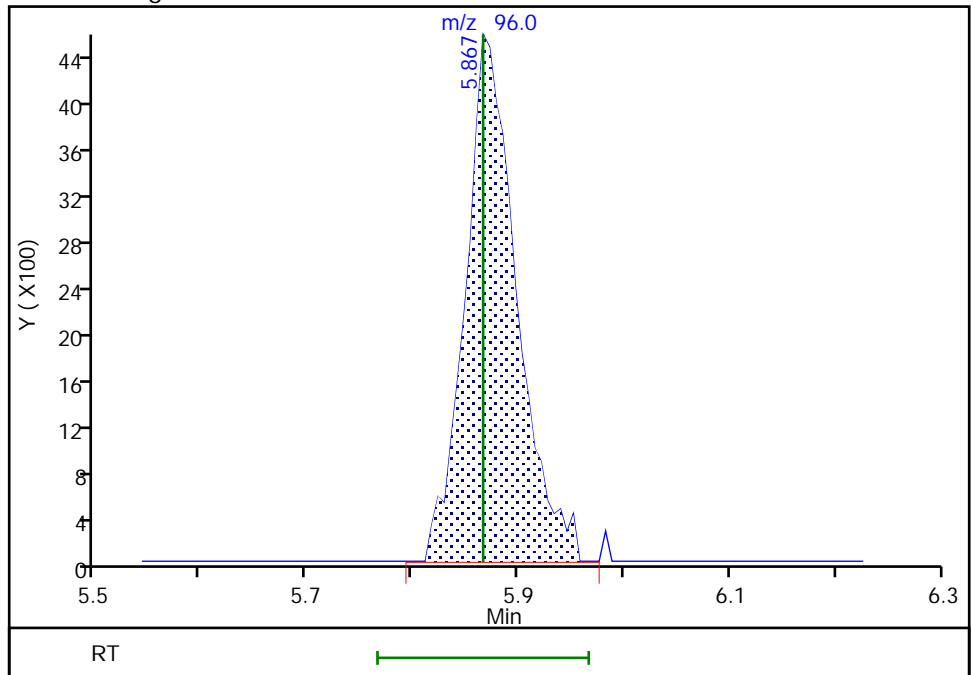
Signal: 1

Not Detected
Expected RT: 5.87

Processing Integration Results



Manual Integration Results



RT: 5.87
Area: 15271
Amount: 0.280791
Amount Units: ug/l

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

SDG No.:

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

Lab Sample ID: 410-131835-12

Matrix: Water

Lab File ID: IL02X16.D

Analysis Method: 8260D

Date Collected: 06/21/2023 08:50

Sample wt/vol: 25 (mL)

Date Analyzed: 07/02/2023 16:59

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.: 393012

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	2.8	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		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	0.19	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.29	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.33	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.: 410-131835-1

SDG No.:

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

Lab Sample ID: 410-131835-12

Matrix: Water

Lab File ID: IL02X16.D

Analysis Method: 8260D

Date Collected: 06/21/2023 08:50

Sample wt/vol: 25 (mL)

Date Analyzed: 07/02/2023 16:59

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.: 393012

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	0.24	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)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X16.D
 Lims ID: 410-131835-A-12
 Client ID: HD-COD-SW-29-0/1-0
 Sample Type: Client
 Inject. Date: 02-Jul-2023 16:59:30 ALS Bottle#: 16 Worklist Smp#: 17
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088040-017
 Operator ID: knk41612 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 10:52:50 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: DVW2 Date: 03-Jul-2023 10:50:08

Compound	Sig	RT (min.)	Exp RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50	2.038	2.050	-0.012	99	12531	0.1860	
5 Vinyl chloride	62		2.160				ND	
7 Bromomethane	94		2.471				ND	
8 Chloroethane	64		2.544				ND	
15 1,1-Dichloroethene	96		3.349				ND	
16 Acetone	43	3.379	3.367	0.012	96	15476	2.83	
20 Carbon disulfide	76	3.635	3.635	0.000	30	3891	0.0323	
25 Methylene Chloride	84		3.970				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.977	3.983	-0.006	26	114377	50.0	
29 Methyl tert-butyl ether	73		4.361				ND	
30 trans-1,2-Dichloroethene	96		4.367				ND	
32 1,1-Dichloroethane	63		5.025				ND	
38 2-Butanone (MEK)	43		5.824				ND	7
39 cis-1,2-Dichloroethene	96	5.860	5.866	-0.006	77	16097	0.2926	
46 Chlorobromomethane	128		6.196				ND	
48 Chloroform	83	6.354	6.348	0.006	91	7828	0.0895	
\$ 49 Dibromofluoromethane (Surr)	113	6.568	6.567	0.001	94	426407	10.0	
50 1,1,1-Trichloroethane	97		6.574				ND	
54 Carbon tetrachloride	117		6.787				ND	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.013	7.013	0.000	62	85026	10.1	
57 Benzene	78		7.049				ND	
58 1,2-Dichloroethane	62		7.122				ND	
* 61 Fluorobenzene (IS)	96	7.458	7.458	0.000	99	1656467	10.0	
64 Trichloroethene	95	7.952	7.939	0.013	95	13106	0.2409	
66 1,2-Dichloropropane	63		8.268				ND	
71 Dichlorobromomethane	83		8.616				ND	7
76 cis-1,3-Dichloropropene	75		9.177				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.354				ND	
\$ 78 Toluene-d8 (Surr)	98	9.494	9.494	0.000	93	1697087	9.77	
79 Toluene	92	9.573	9.573	0.000	97	3983	0.0291	
97 trans-1,3-Dichloropropene	75		9.841				ND	
100 1,1,2-Trichloroethane	97		10.049				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.146	10.140	0.006	97	23776	0.3326	
103 2-Hexanone	43		10.268				ND	
105 Chlorodibromomethane	129		10.433				ND	
106 Ethylene Dibromide	107		10.542				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.981	10.981	0.000	84	1351286	10.0	
109 Chlorobenzene	112		11.006				ND	
111 1,1,1,2-Tetrachloroethane	131		11.091				ND	
112 Ethylbenzene	91		11.097				ND	
113 m-Xylene & p-Xylene	106		11.213				ND	7
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.542				ND	
115 Styrene	104		11.560				ND	
116 Bromoform	173		11.719				ND	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.993	11.993	0.000	97	650225	9.93	
121 1,1,2,2-Tetrachloroethane	83		12.097				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	93	845477	10.0	

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\20230702-88040.b\IL02X16.D

Injection Date: 02-Jul-2023 16:59:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: 410-131835-A-12

Lab Sample ID: 410-131835-12

Worklist Smp#: 17

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

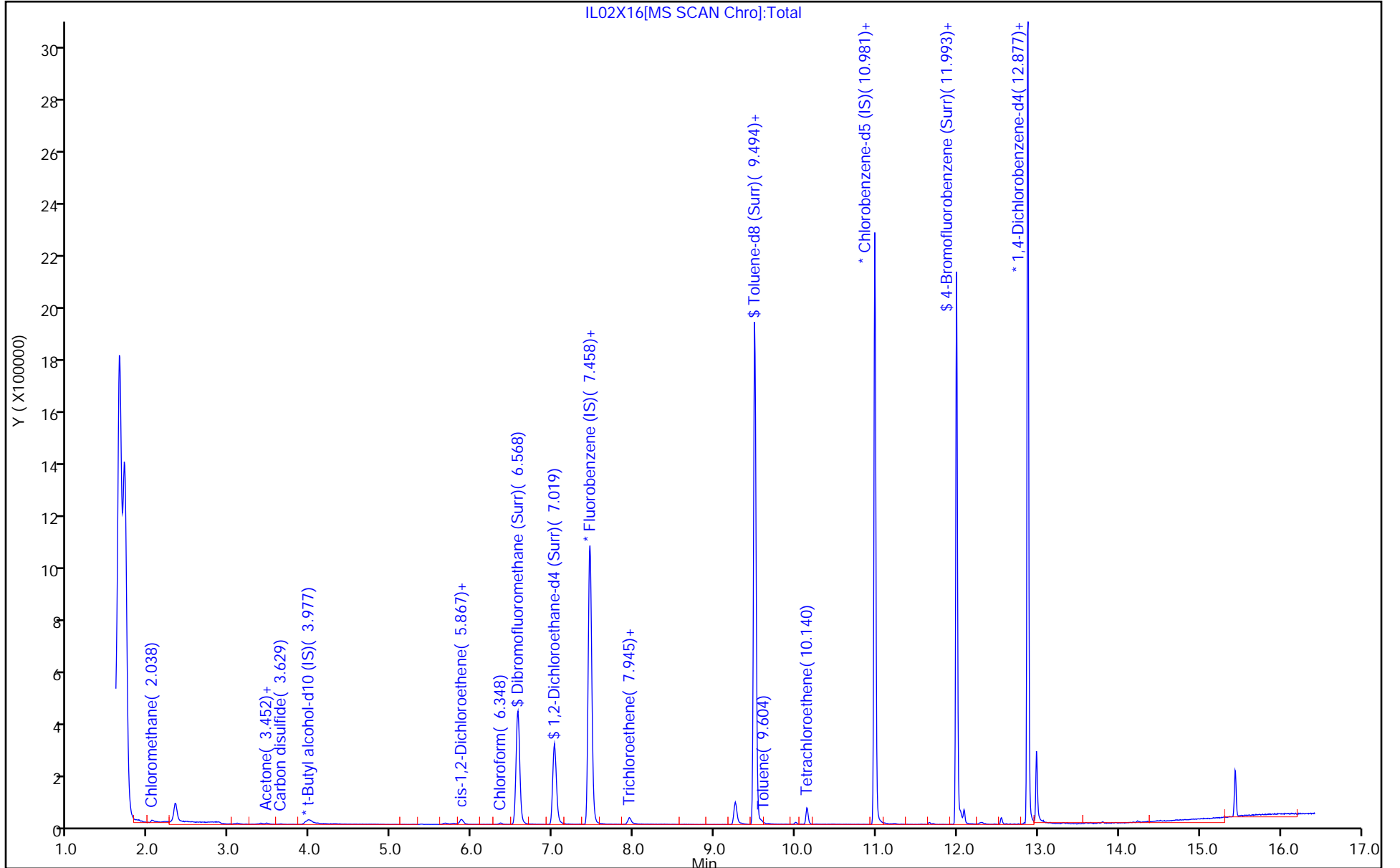
ALS Bottle#: 16

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
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X16.D
 Lims ID: 410-131835-A-12
 Client ID: HD-COD-SW-29-0/1-0
 Sample Type: Client
 Inject. Date: 02-Jul-2023 16:59:30 ALS Bottle#: 16 Worklist Smp#: 17
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088040-017
 Operator ID: knk41612 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 10:52:50 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: DVW2

Date: 03-Jul-2023 10:50:08

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	10.0	100.22
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	100.79
\$ 78 Toluene-d8 (Surr)	10.0	9.77	97.69
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.93	99.33

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X16.D

Injection Date: 02-Jul-2023 16:59:30

Instrument ID: 19930

Lims ID: 410-131835-A-12

Lab Sample ID: 410-131835-12

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

Operator ID: knk41612

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

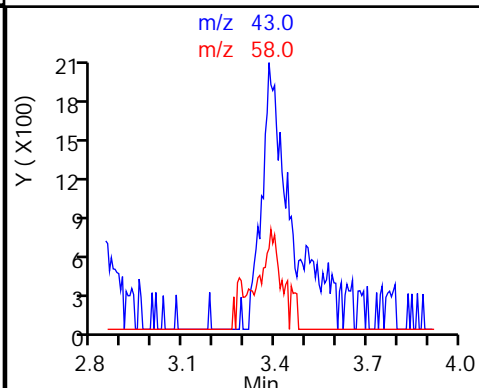
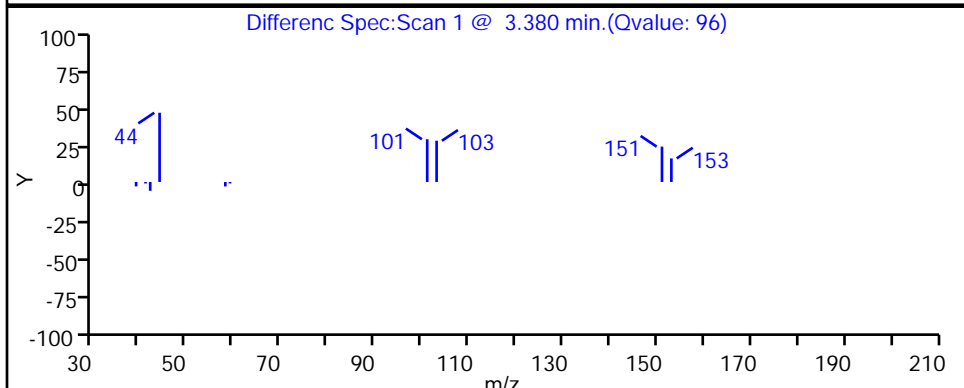
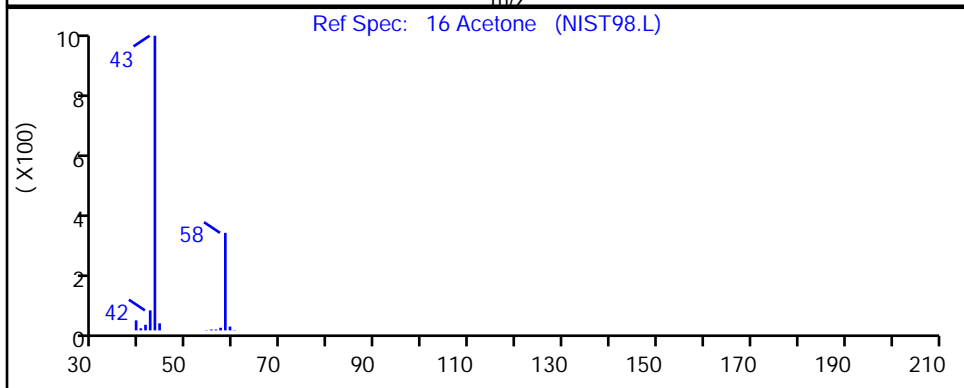
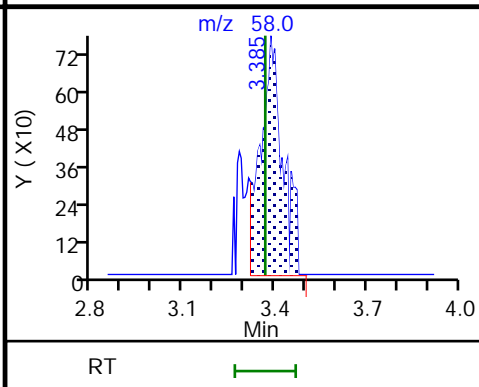
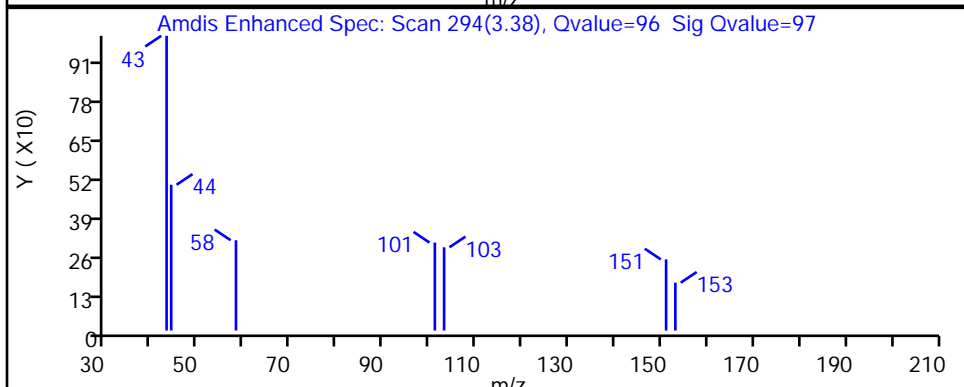
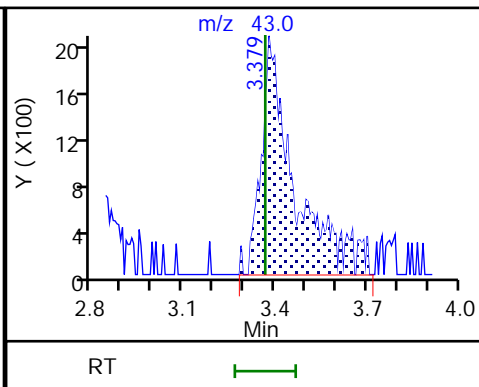
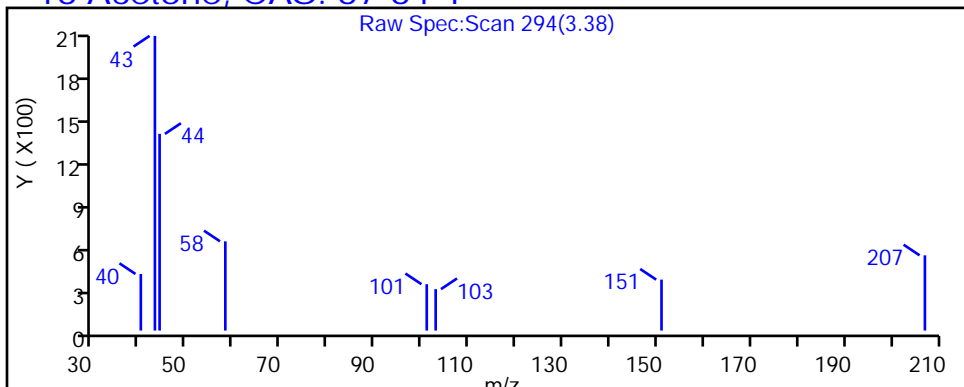
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

16 Acetone, CAS: 67-64-1



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X16.D

Injection Date: 02-Jul-2023 16:59:30

Instrument ID: 19930

Lims ID: 410-131835-A-12

Lab Sample ID: 410-131835-12

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

Operator ID: knk41612

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

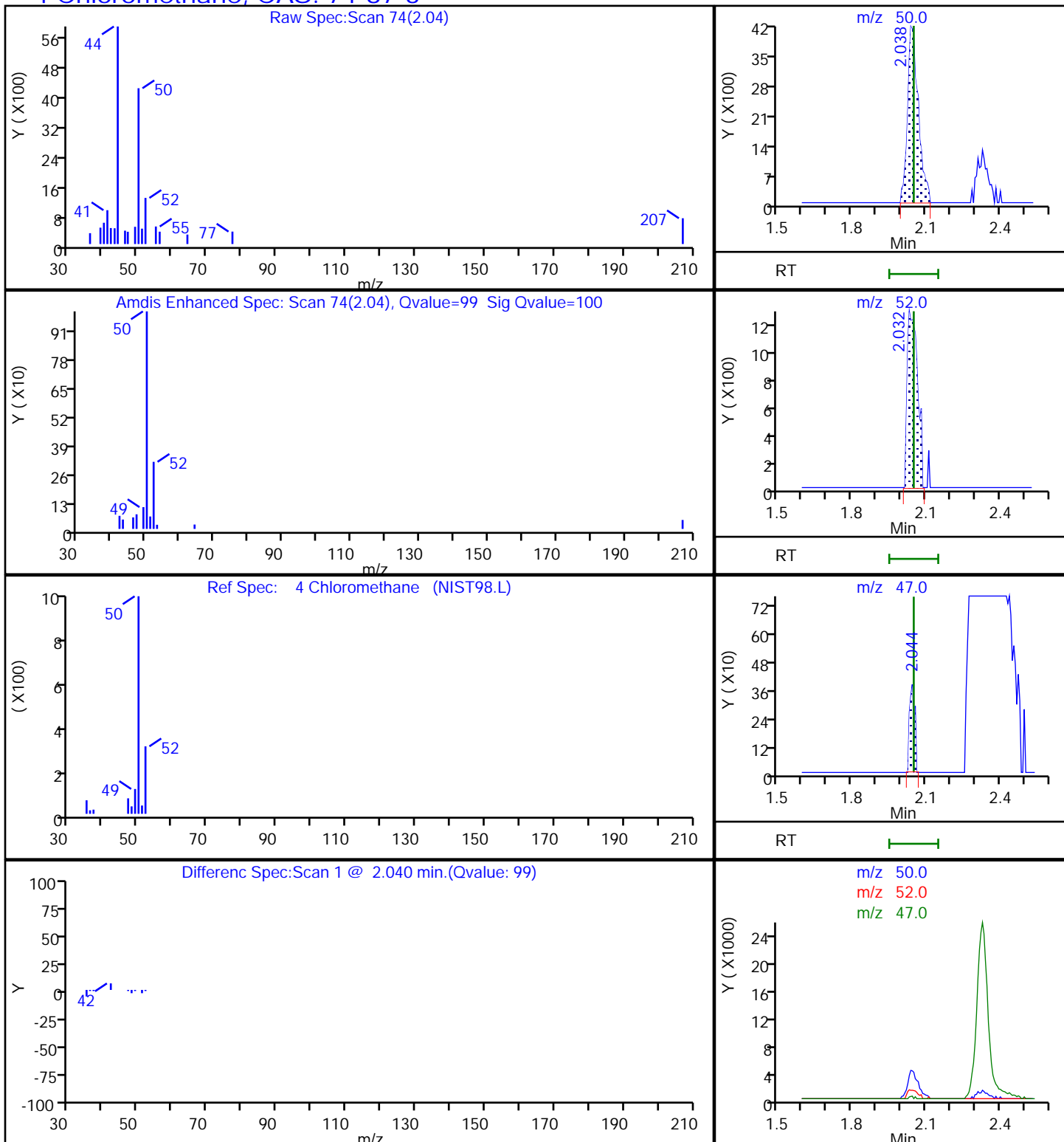
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

4 Chloromethane, CAS: 74-87-3



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X16.D

Injection Date: 02-Jul-2023 16:59:30

Instrument ID: 19930

Lims ID: 410-131835-A-12

Lab Sample ID: 410-131835-12

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

Operator ID: knk41612

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

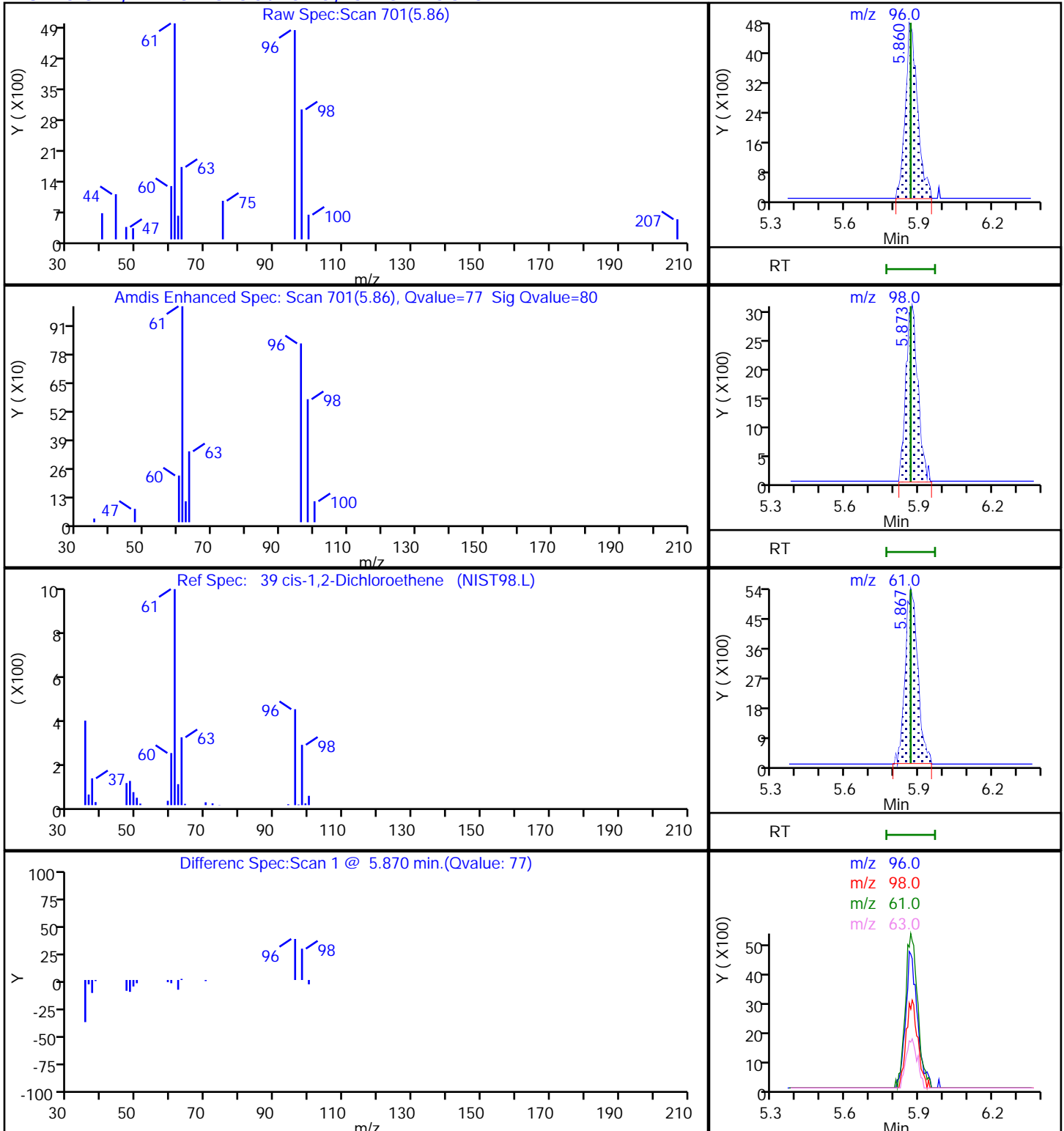
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X16.D

Injection Date: 02-Jul-2023 16:59:30

Instrument ID: 19930

Lims ID: 410-131835-A-12

Lab Sample ID: 410-131835-12

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

Operator ID: knk41612

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

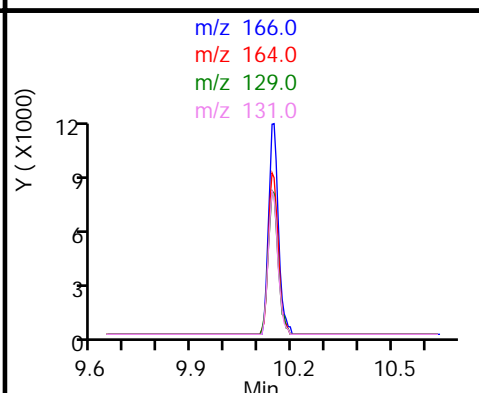
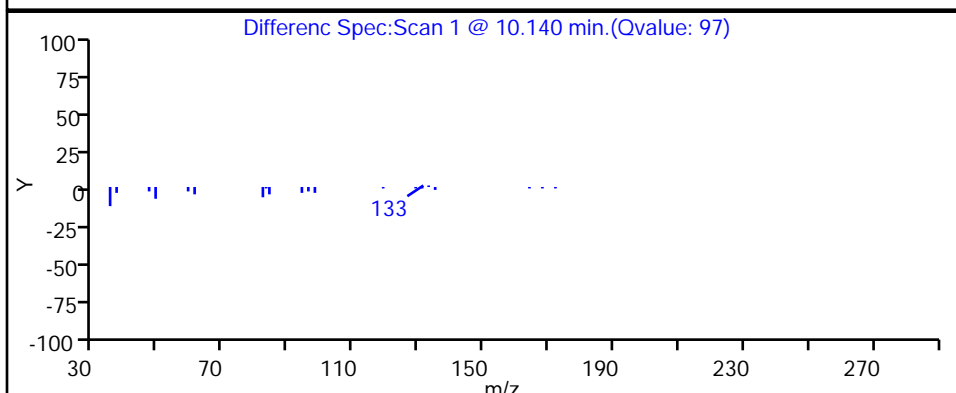
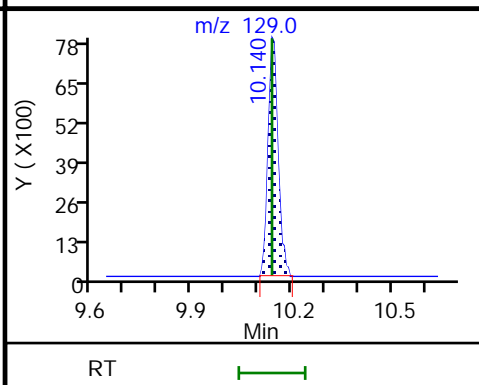
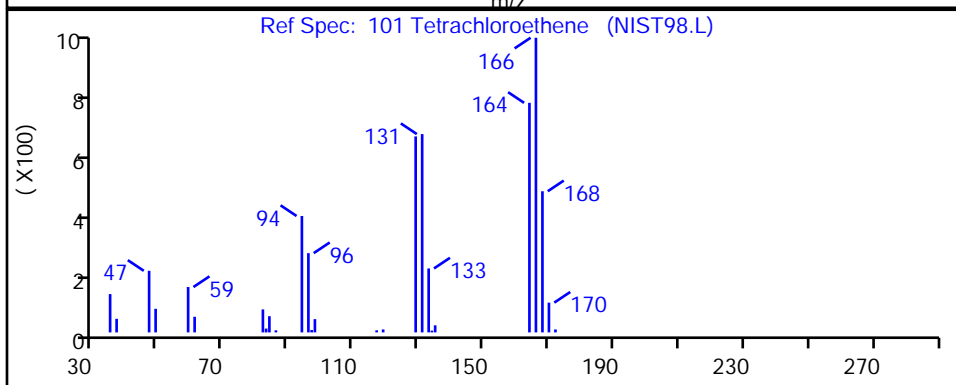
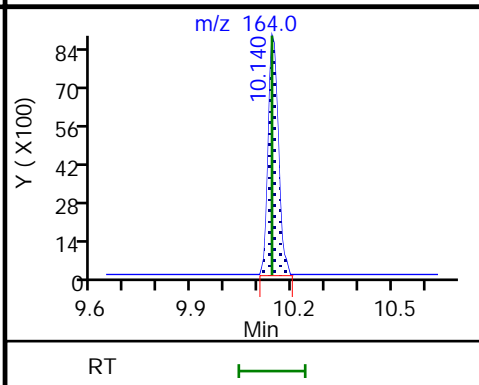
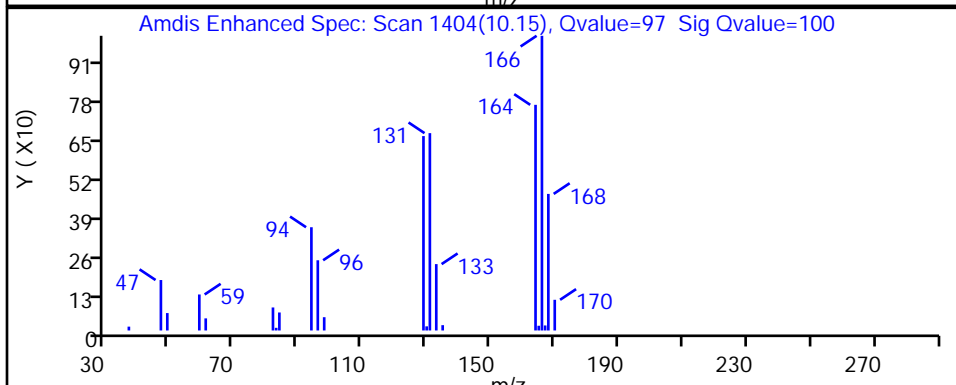
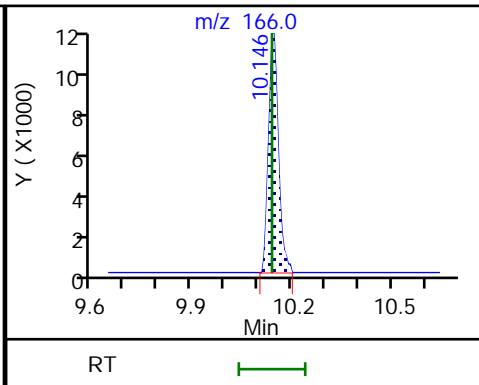
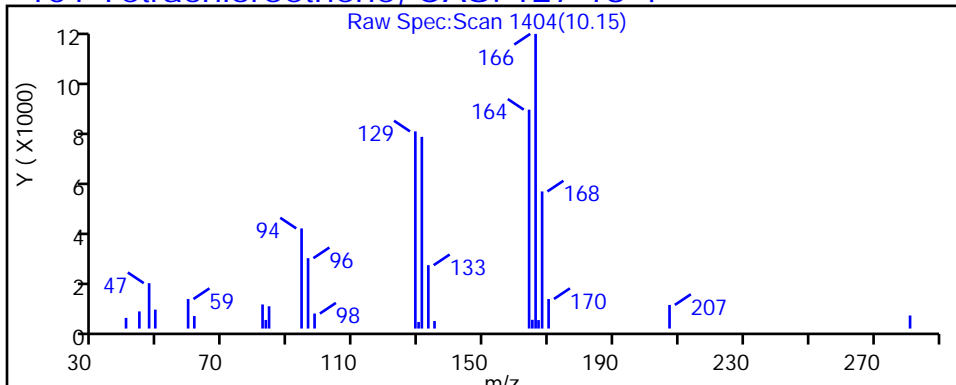
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

101 Tetrachloroethene, CAS: 127-18-4



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X16.D

Injection Date: 02-Jul-2023 16:59:30

Instrument ID: 19930

Lims ID: 410-131835-A-12

Lab Sample ID: 410-131835-12

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

Operator ID: knk41612

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

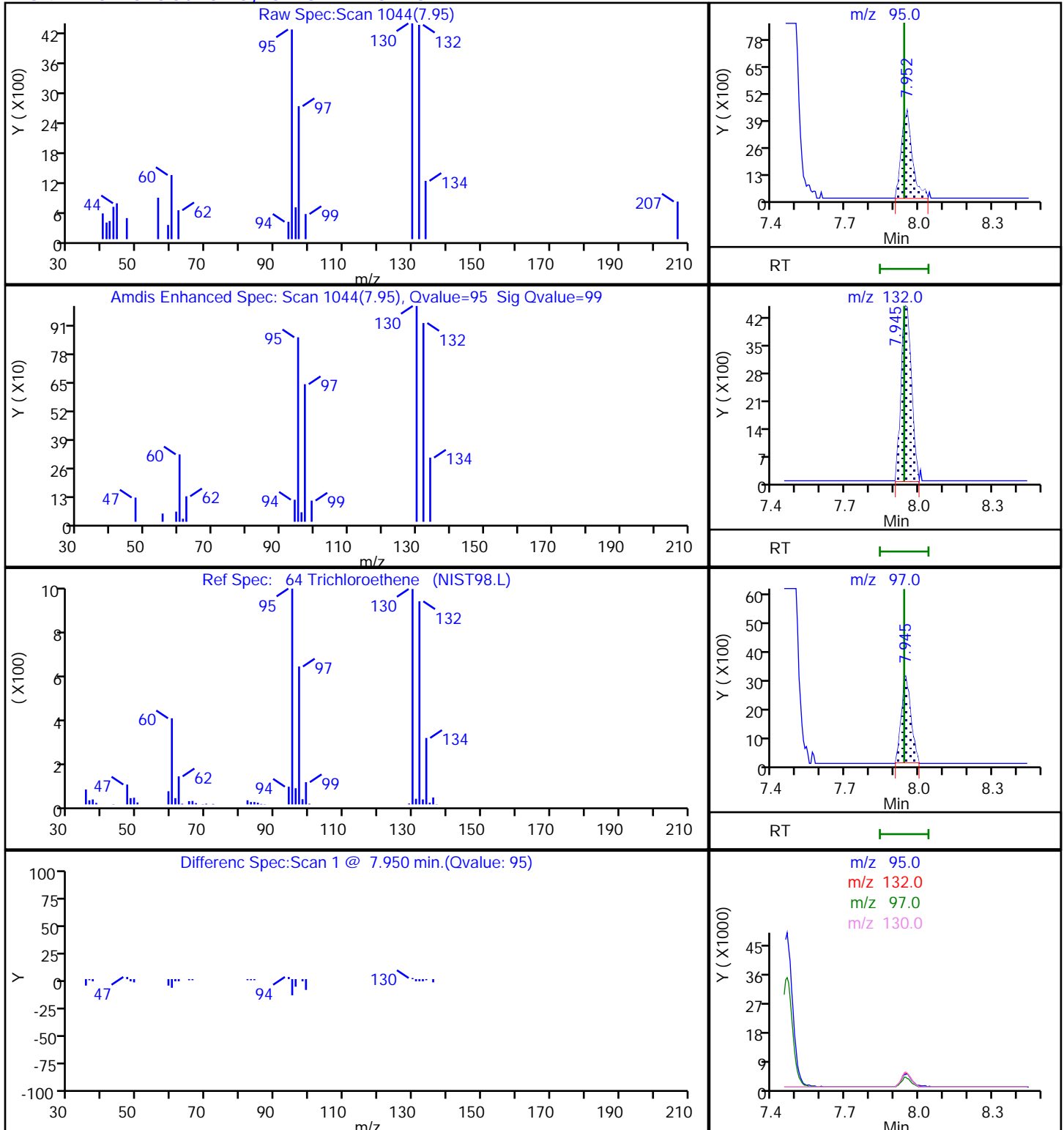
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

64 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

SDG No.:

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

Lab Sample ID: 410-131835-13

Matrix: Water

Lab File ID: IL02X17.D

Analysis Method: 8260D

Date Collected: 06/21/2023 12:00

Sample wt/vol: 25 (mL)

Date Analyzed: 07/02/2023 17:20

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 393012

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	3.7		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	0.95		0.50	0.10
75-35-4	1,1-Dichloroethene	0.36	J	0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	1.6	J	5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.19	J	0.50	0.090
74-87-3	Chloromethane	0.10	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	4.5		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
108-88-3	Toluene	ND		0.50	0.080
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.: 410-131835-1
 Environment Testing, LLC

SDG No.:

Client Sample ID: HD-QC1-0/1-1 Lab Sample ID: 410-131835-13

Matrix: Water Lab File ID: IL02X17.D

Analysis Method: 8260D Date Collected: 06/21/2023 12:00

Sample wt/vol: 25 (mL) Date Analyzed: 07/02/2023 17:20

Soil Aliquot Vol: Dilution Factor: 1

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

Purge Volume: 25.0 (mL) Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 393012 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	3.0		0.50	0.080
75-01-4	Vinyl chloride	0.14	J	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)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X17.D
 Lims ID: 410-131835-A-13
 Client ID: HD-QC1-0/1-1
 Sample Type: Client
 Inject. Date: 02-Jul-2023 17:20:30 ALS Bottle#: 17 Worklist Smp#: 18
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088040-018
 Operator ID: knk41612 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 10:52:50 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: DVW2

Date: 03-Jul-2023 10:50:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50	2.050	2.050	0.000	86	6714	0.1009	
5 Vinyl chloride	62	2.148	2.160	-0.012	1	8939	0.1404	
7 Bromomethane	94		2.471				ND	7
8 Chloroethane	64		2.544				ND	
15 1,1-Dichloroethene	96	3.336	3.349	-0.013	95	15734	0.3586	
16 Acetone	43	3.403	3.367	0.036	68	11055	1.60	
20 Carbon disulfide	76		3.635				ND	7
25 Methylene Chloride	84		3.970				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.970	3.983	-0.013	27	144016	50.0	
29 Methyl tert-butyl ether	73	4.348	4.361	-0.013	53	3379	0.0281	
30 trans-1,2-Dichloroethene	96	4.367	4.367	0.000	95	1869	0.0383	
32 1,1-Dichloroethane	63	5.025	5.025	0.000	96	79617	0.9516	
38 2-Butanone (MEK)	43		5.824				ND	7
39 cis-1,2-Dichloroethene	96	5.866	5.866	0.000	77	243307	4.48	
46 Chlorobromomethane	128		6.196				ND	
48 Chloroform	83	6.354	6.348	0.006	92	16499	0.1909	
\$ 49 Dibromofluoromethane (Surr)	113	6.561	6.567	-0.006	94	426585	10.1	
50 1,1,1-Trichloroethane	97	6.574	6.574	0.000	97	296811	3.68	
54 Carbon tetrachloride	117		6.787				ND	7
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.019	7.013	0.006	62	84258	10.1	
57 Benzene	78		7.049				ND	
58 1,2-Dichloroethane	62		7.122				ND	
* 61 Fluorobenzene (IS)	96	7.458	7.458	0.000	99	1636247	10.0	
64 Trichloroethene	95	7.939	7.939	0.000	95	161981	3.01	
66 1,2-Dichloropropane	63		8.268				ND	
71 Dichlorobromomethane	83		8.616				ND	
76 cis-1,3-Dichloropropene	75		9.177				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.354				ND	
\$ 78 Toluene-d8 (Surr)	98	9.494	9.494	0.000	93	1685958	9.68	
79 Toluene	92	9.579	9.573	0.006	88	9786	0.0712	
97 trans-1,3-Dichloropropene	75		9.841				ND	
100 1,1,2-Trichloroethane	97		10.049				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.140	10.140	0.000	97	3485007	48.6	E
103 2-Hexanone	43		10.268				ND	
105 Chlorodibromomethane	129		10.433				ND	
106 Ethylene Dibromide	107		10.542				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.981	10.981	0.000	83	1354897	10.0	
109 Chlorobenzene	112		11.006				ND	
111 1,1,1,2-Tetrachloroethane	131		11.091				ND	
112 Ethylbenzene	91		11.097				ND	7
113 m-Xylene & p-Xylene	106	11.225	11.213	0.012	91	6731	0.0621	
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.542				ND	7
115 Styrene	104		11.560				ND	
116 Bromoform	173		11.719				ND	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.993	11.993	0.000	96	647224	9.86	
121 1,1,2,2-Tetrachloroethane	83		12.097				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	93	831731	10.0	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

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\19930\20230702-88040.b\I02X17.D

Injection Date: 02-Jul-2023 17:20:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: 410-131835-A-13

Lab Sample ID: 410-131835-13

Worklist Smp#: 18

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

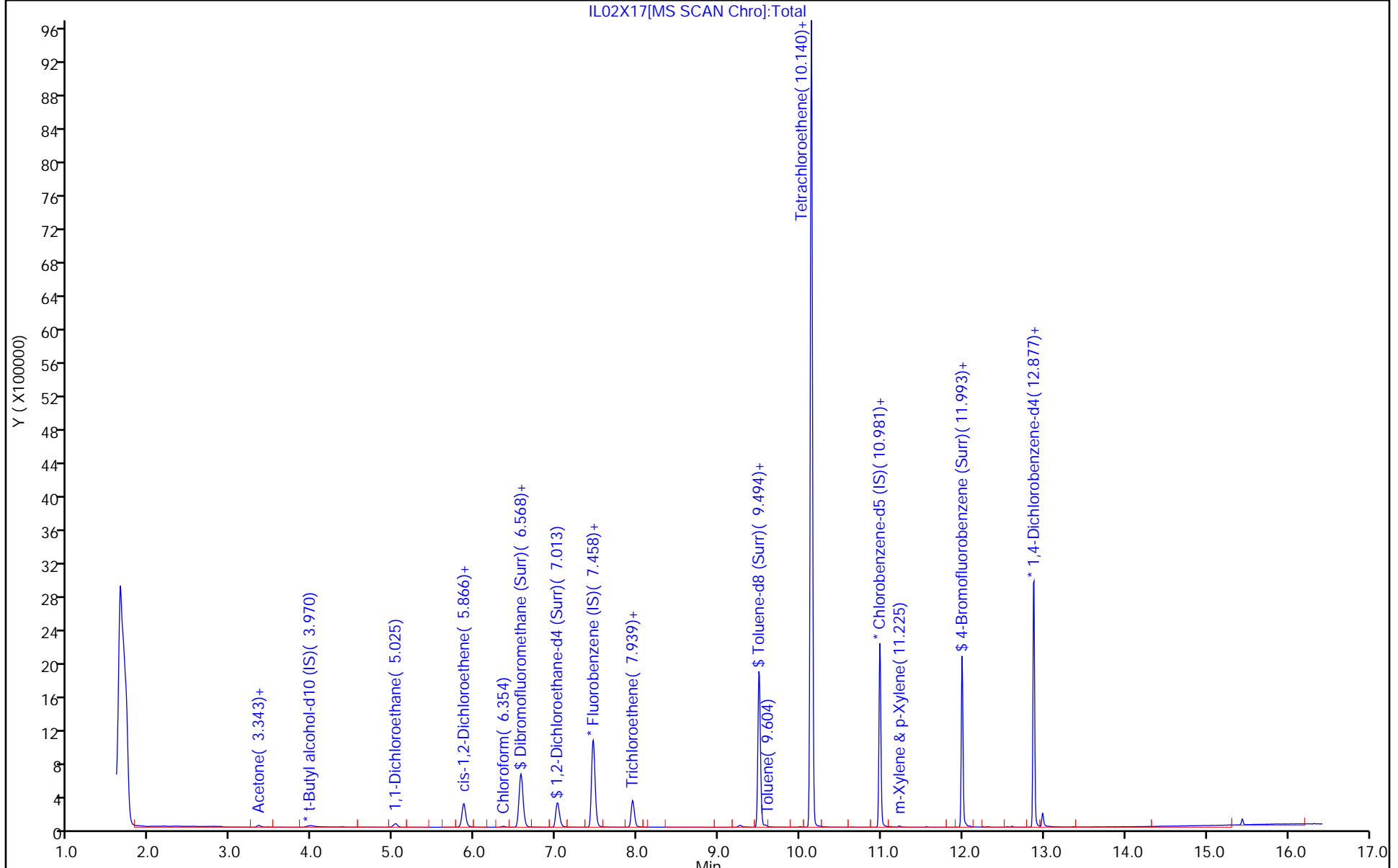
ALS Bottle#: 17

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
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X17.D
 Lims ID: 410-131835-A-13
 Client ID: HD-QC1-0/1-1
 Sample Type: Client
 Inject. Date: 02-Jul-2023 17:20:30 ALS Bottle#: 17 Worklist Smp#: 18
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088040-018
 Operator ID: knk41612 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 10:52:50 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: DVW2

Date: 03-Jul-2023 10:50:35

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	10.1	101.50
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	101.11
\$ 78 Toluene-d8 (Surr)	10.0	9.68	96.79
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.86	98.61

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X17.D

Injection Date: 02-Jul-2023 17:20:30

Instrument ID: 19930

Lims ID: 410-131835-A-13

Lab Sample ID: 410-131835-13

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

Operator ID: knk41612

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

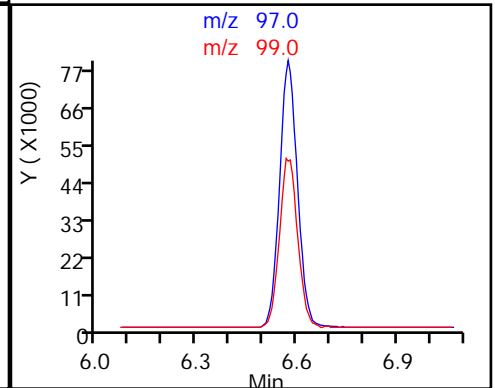
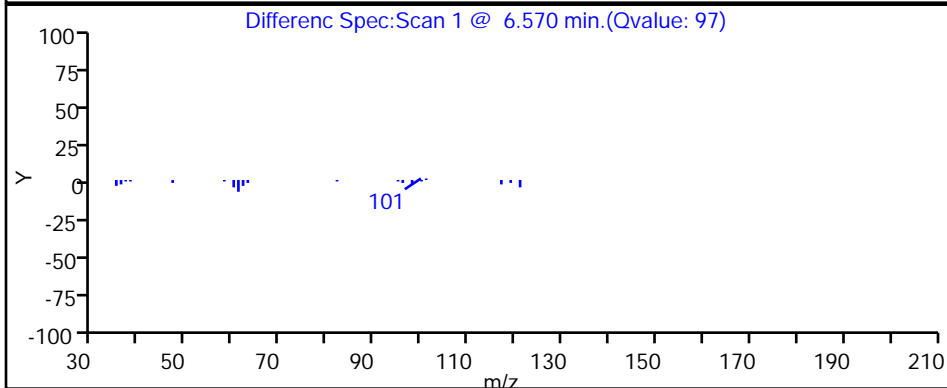
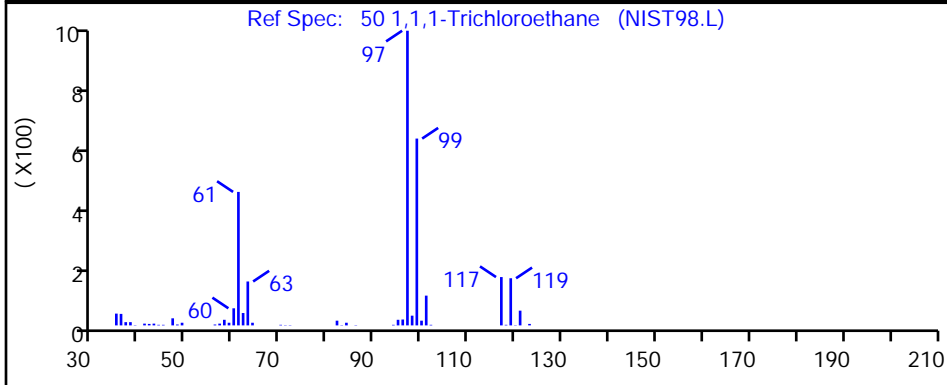
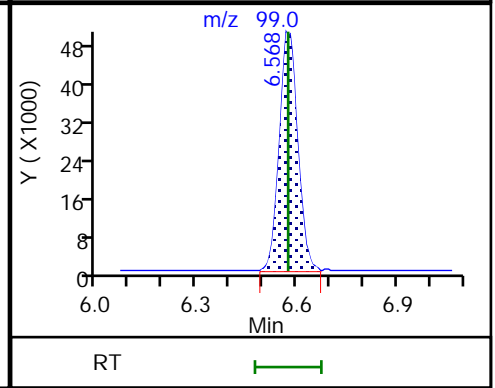
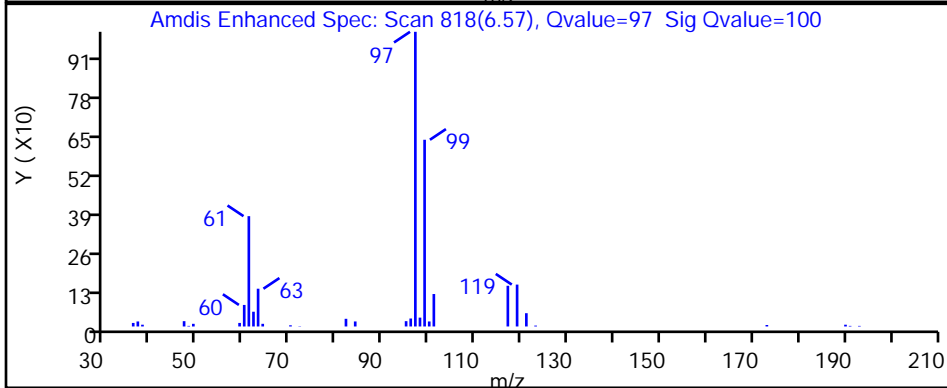
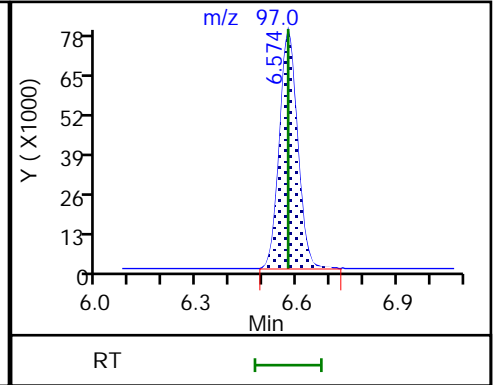
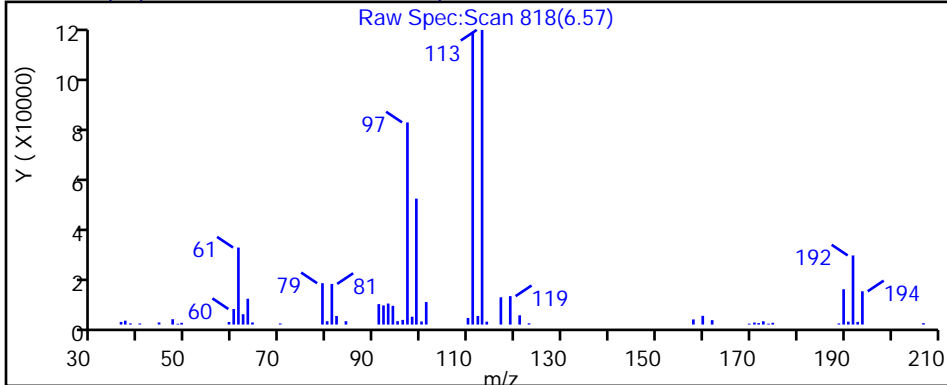
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

50 1,1,1-Trichloroethane, CAS: 71-55-6



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X17.D

Injection Date: 02-Jul-2023 17:20:30

Instrument ID: 19930

Lims ID: 410-131835-A-13

Lab Sample ID: 410-131835-13

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

Operator ID: knk41612

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

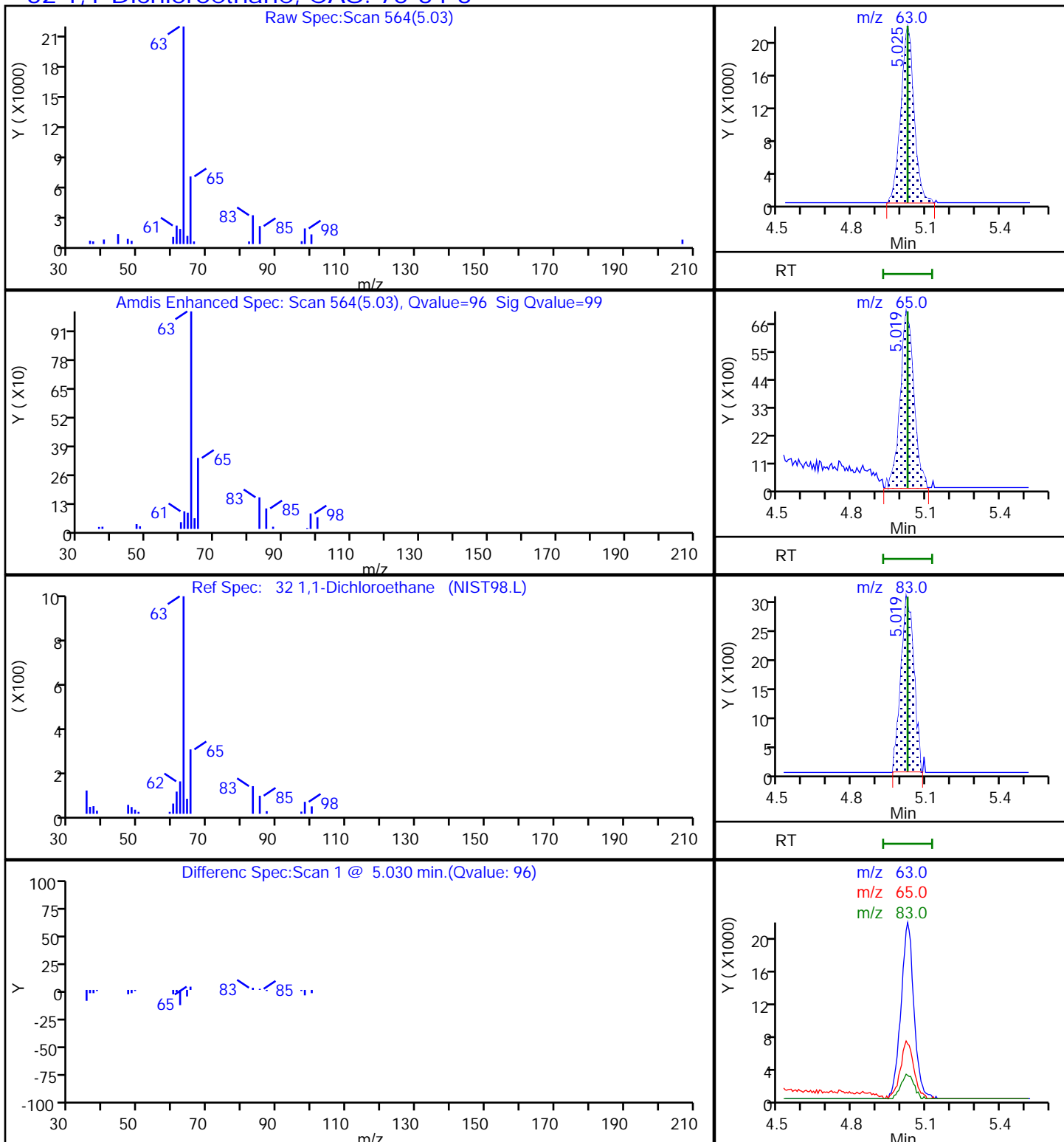
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

32 1,1-Dichloroethane, CAS: 75-34-3



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X17.D

Injection Date: 02-Jul-2023 17:20:30

Instrument ID: 19930

Lims ID: 410-131835-A-13

Lab Sample ID: 410-131835-13

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

Operator ID: knk41612

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

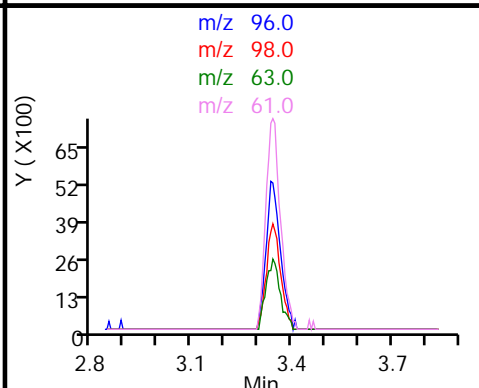
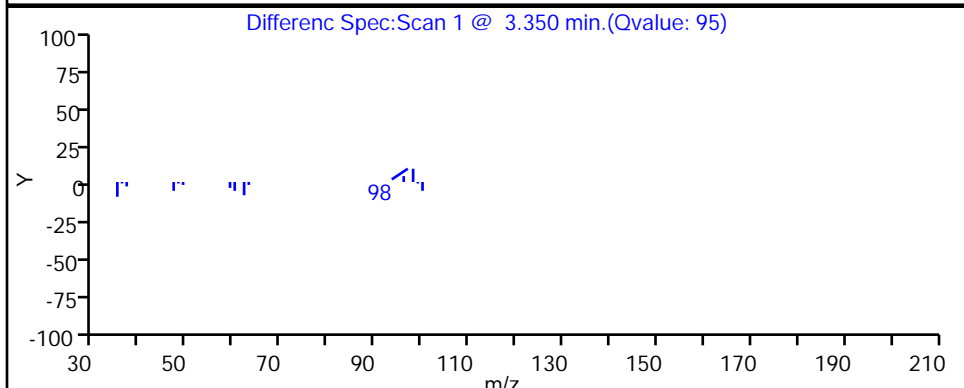
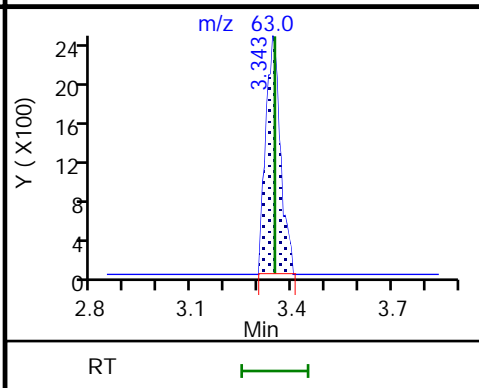
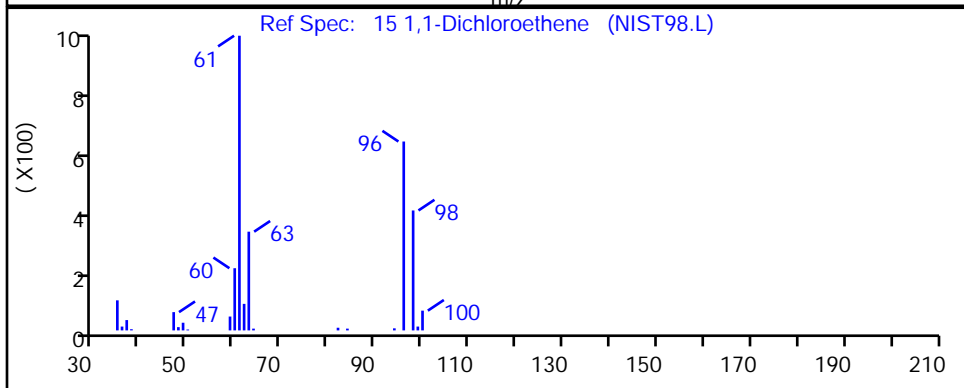
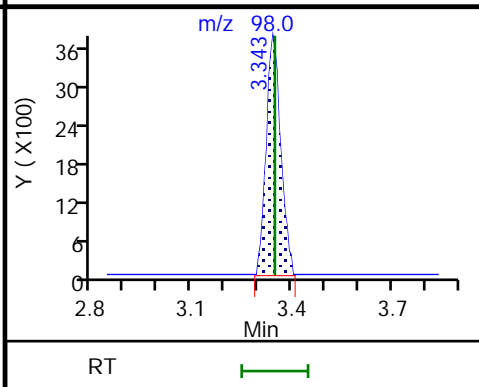
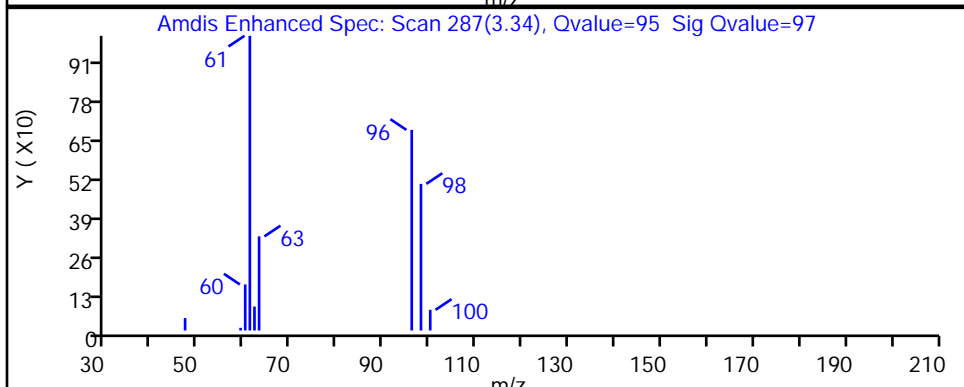
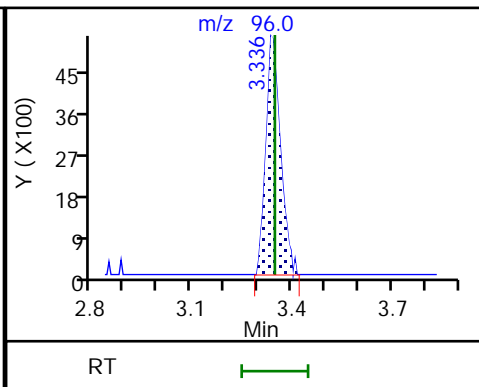
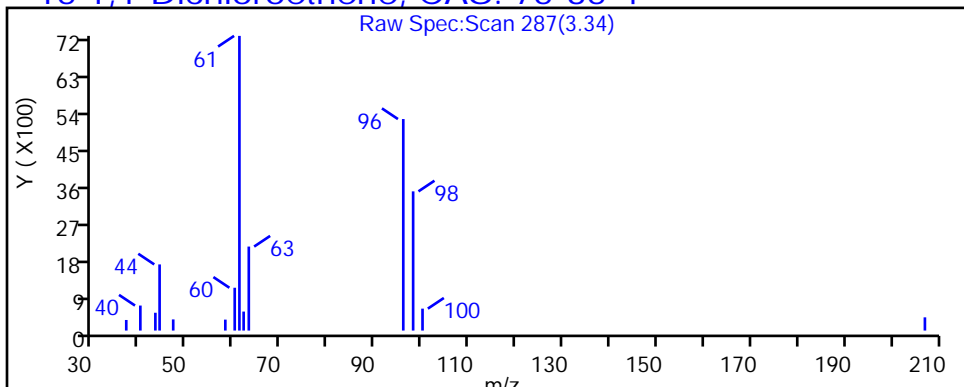
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

15 1,1-Dichloroethene, CAS: 75-35-4



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\ILO2X17.D

Injection Date: 02-Jul-2023 17:20:30

Instrument ID: 19930

Lims ID: 410-131835-A-13

Lab Sample ID: 410-131835-13

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

Operator ID: knk41612

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

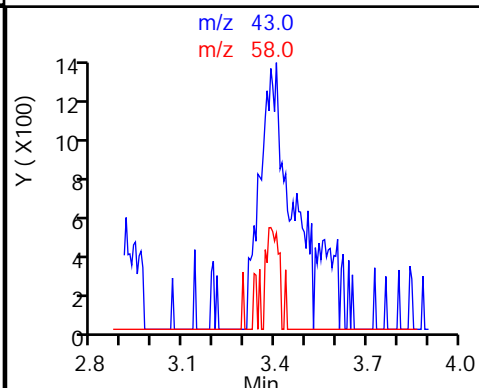
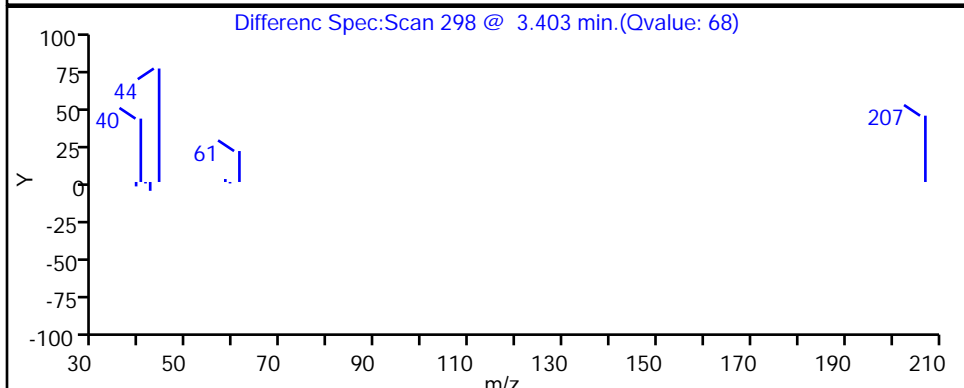
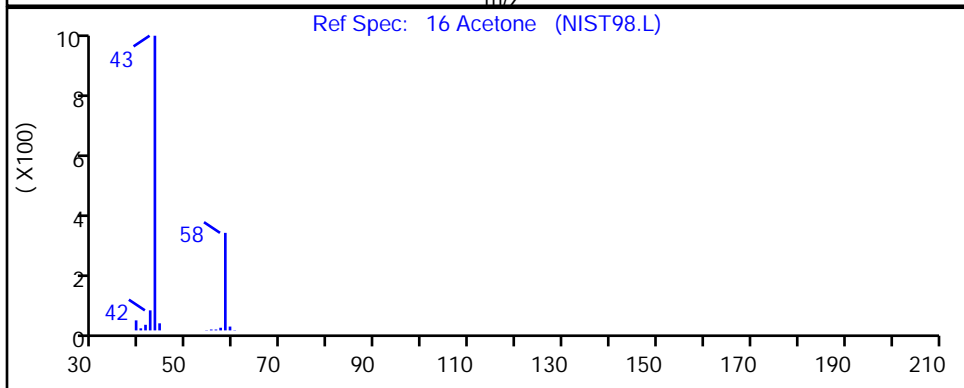
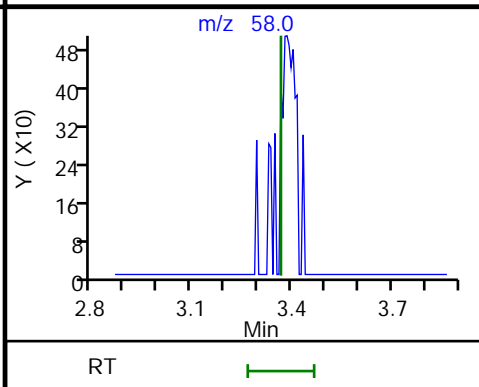
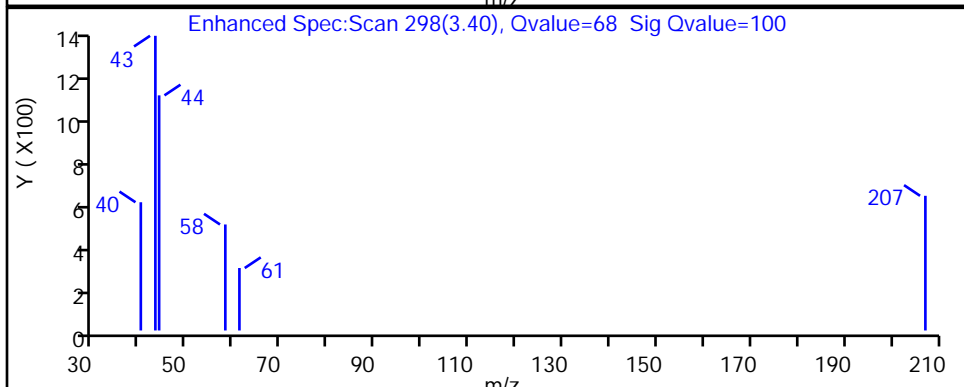
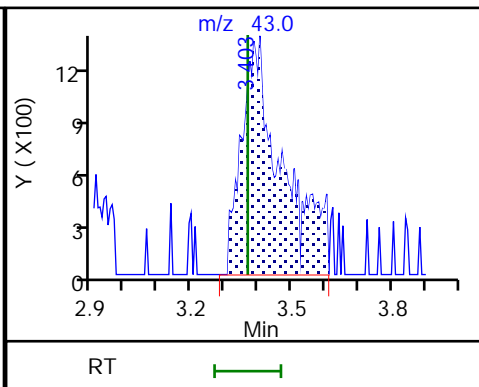
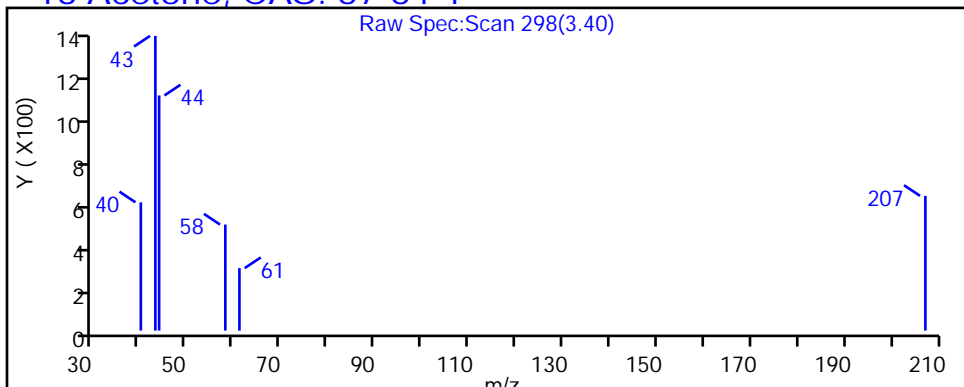
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

16 Acetone, CAS: 67-64-1



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\ILO2X17.D

Injection Date: 02-Jul-2023 17:20:30

Instrument ID: 19930

Lims ID: 410-131835-A-13

Lab Sample ID: 410-131835-13

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

Operator ID: knk41612

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

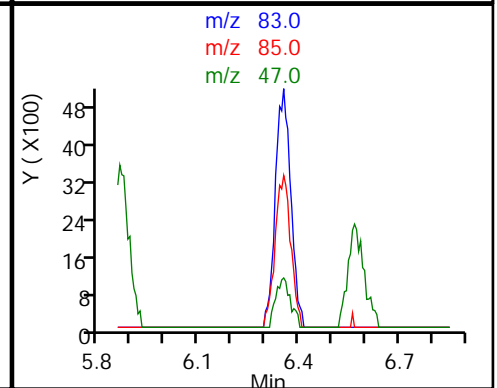
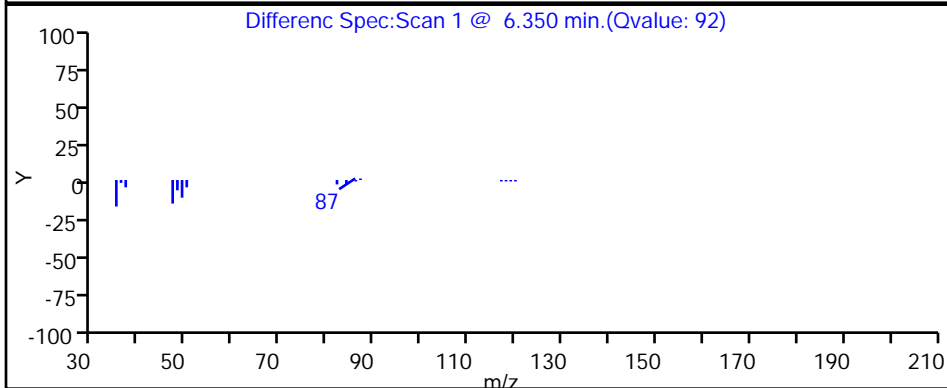
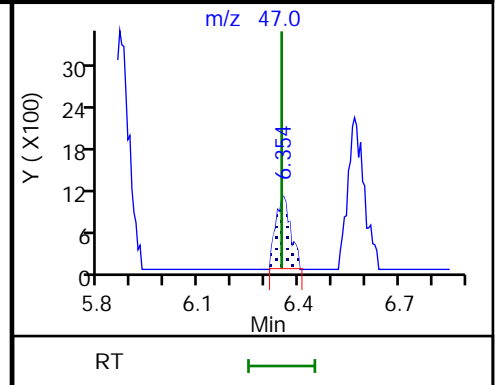
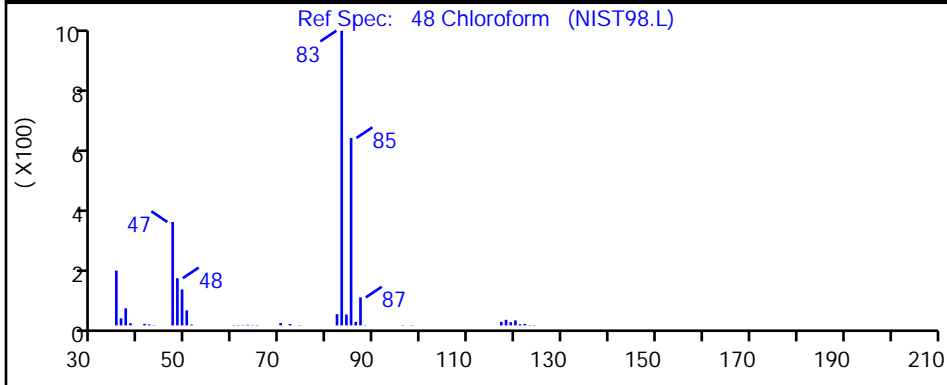
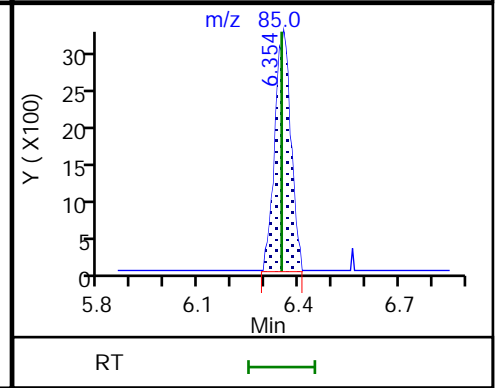
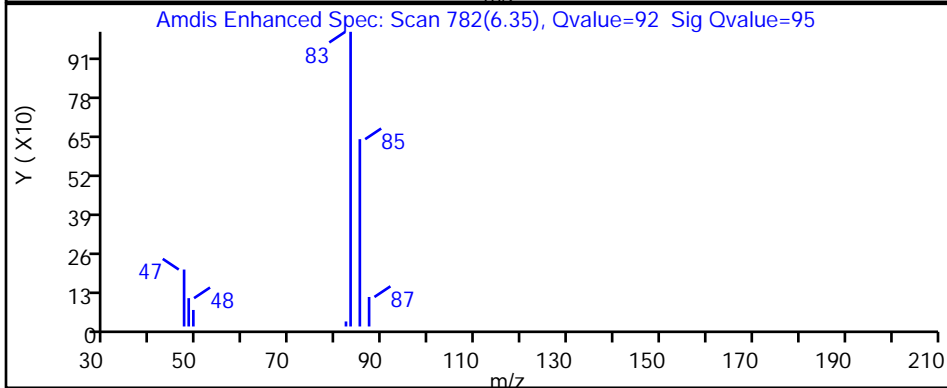
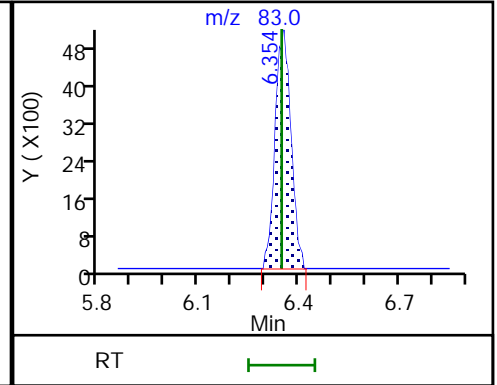
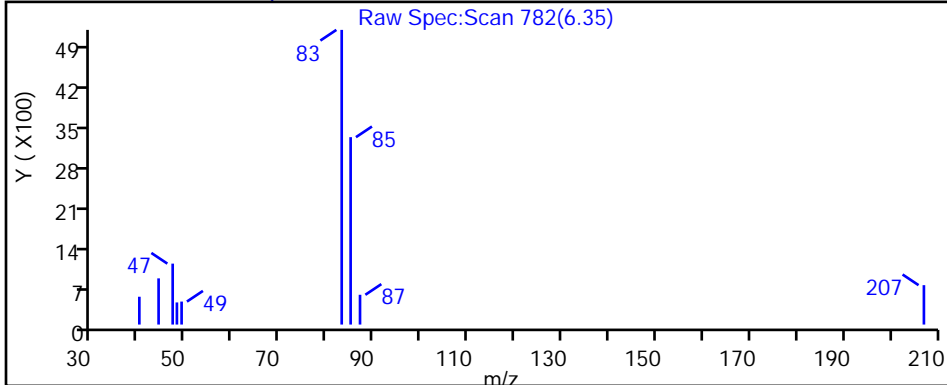
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

48 Chloroform, CAS: 67-66-3



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X17.D

Injection Date: 02-Jul-2023 17:20:30

Instrument ID: 19930

Lims ID: 410-131835-A-13

Lab Sample ID: 410-131835-13

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

Operator ID: knk41612

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

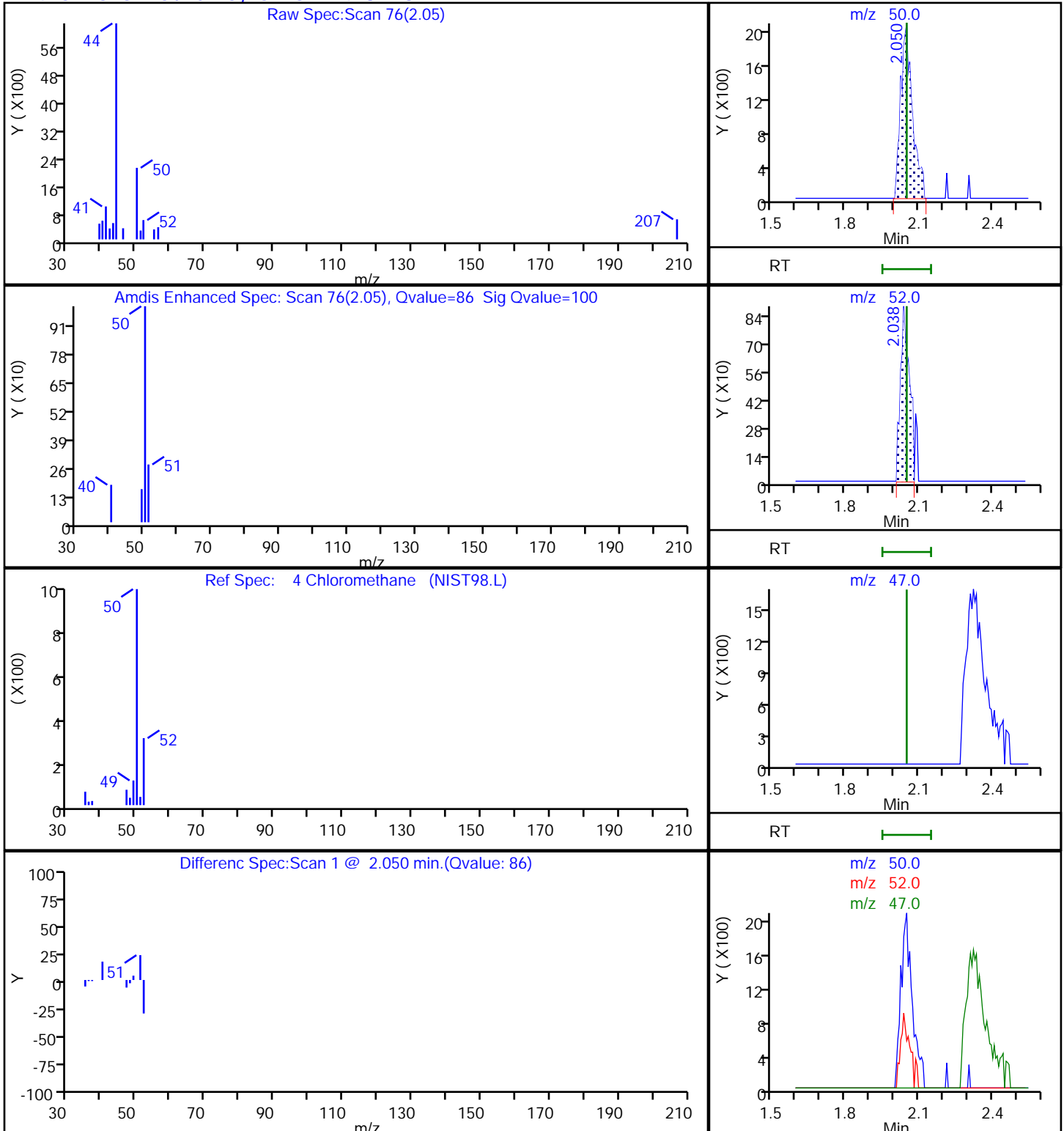
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

4 Chloromethane, CAS: 74-87-3



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X17.D

Injection Date: 02-Jul-2023 17:20:30

Instrument ID: 19930

Lims ID: 410-131835-A-13

Lab Sample ID: 410-131835-13

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

Operator ID: knk41612

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

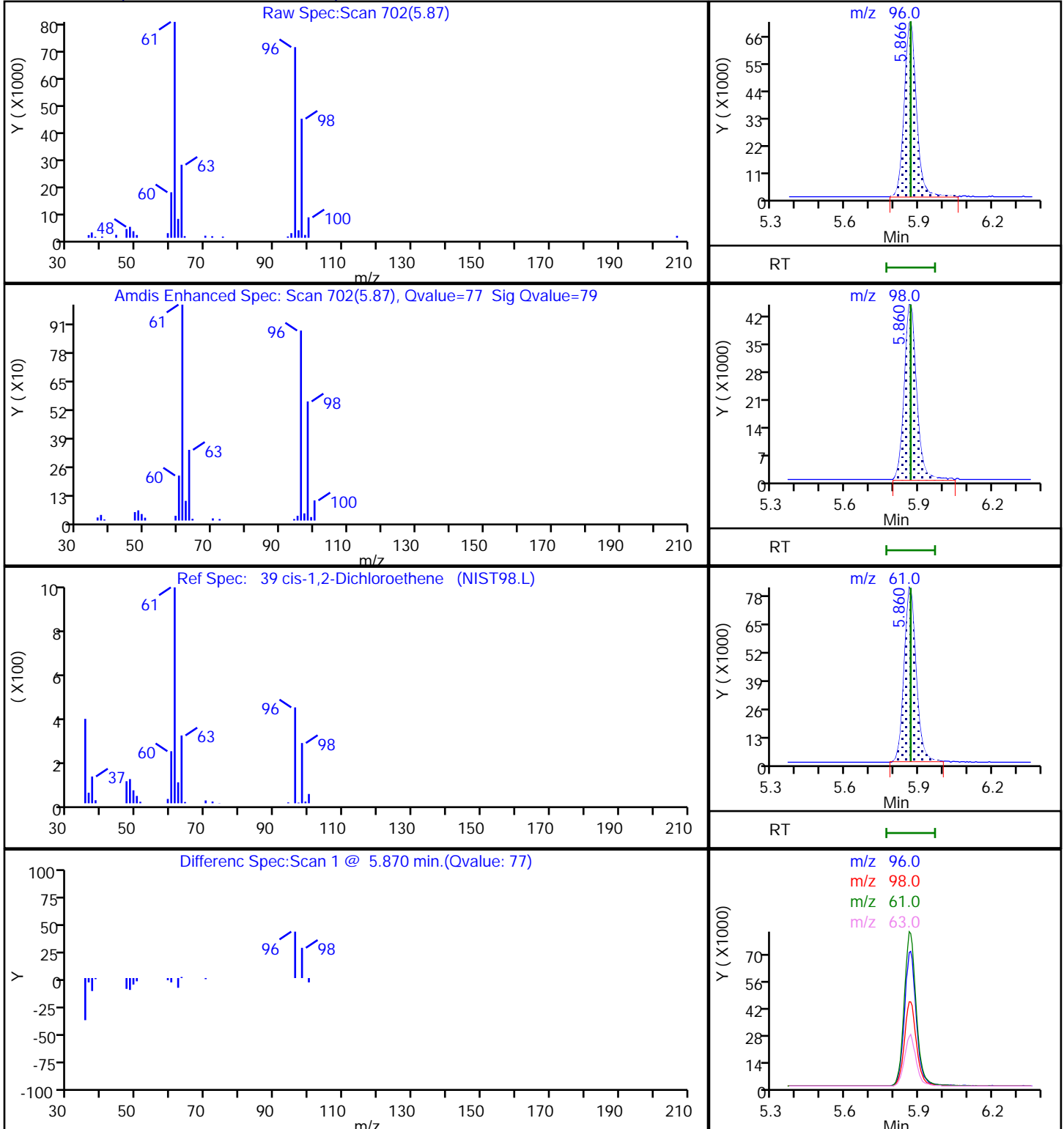
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

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



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X17.D

Injection Date: 02-Jul-2023 17:20:30

Instrument ID: 19930

Lims ID: 410-131835-A-13

Lab Sample ID: 410-131835-13

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

Operator ID: knk41612

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

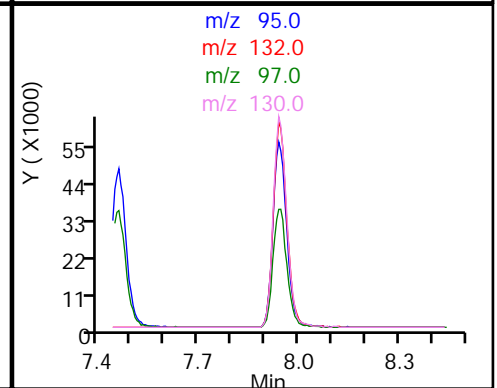
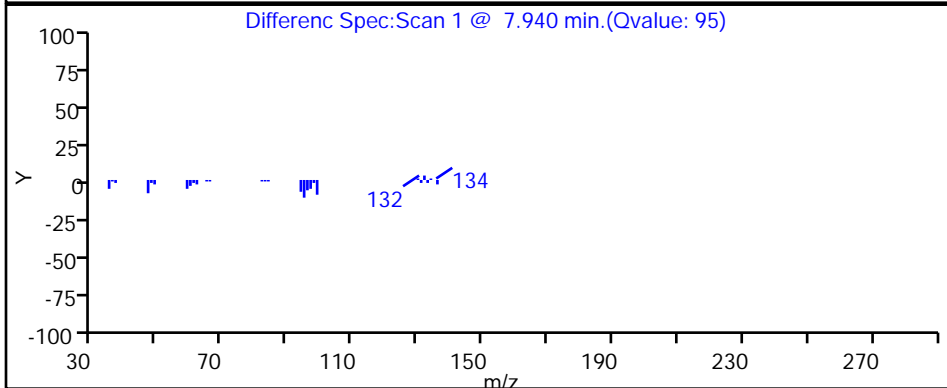
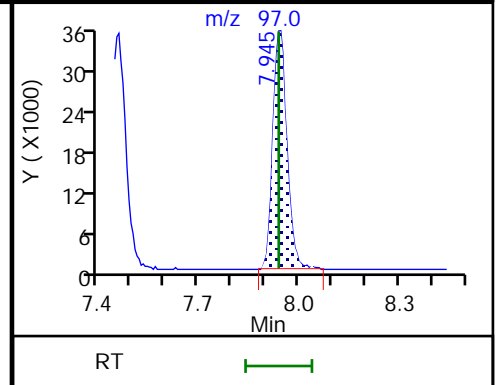
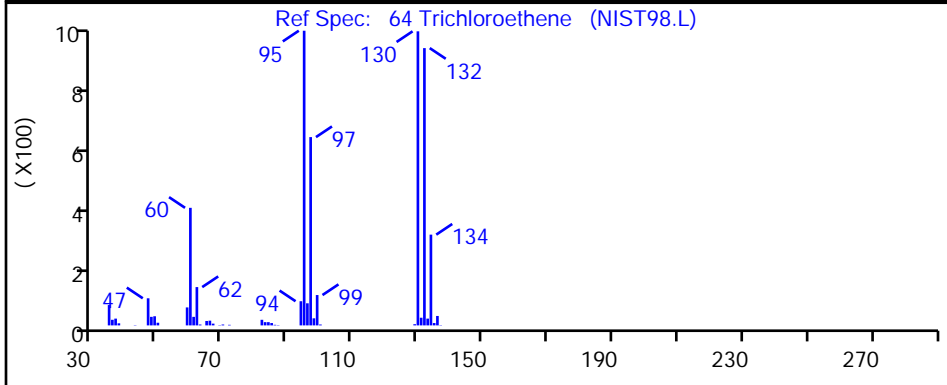
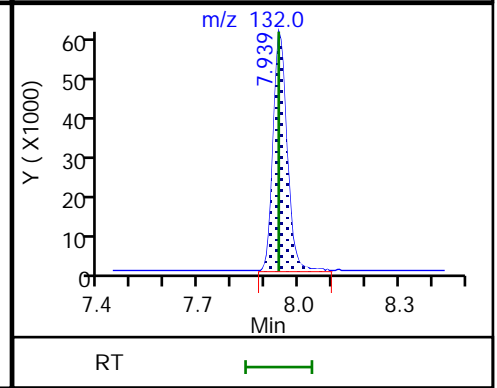
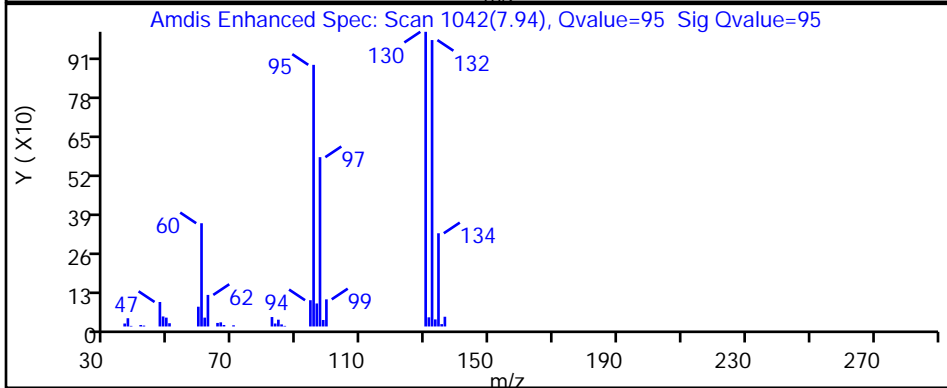
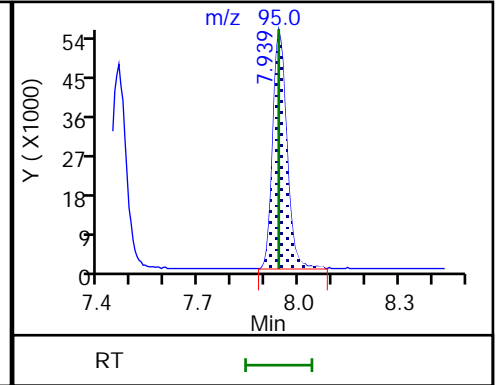
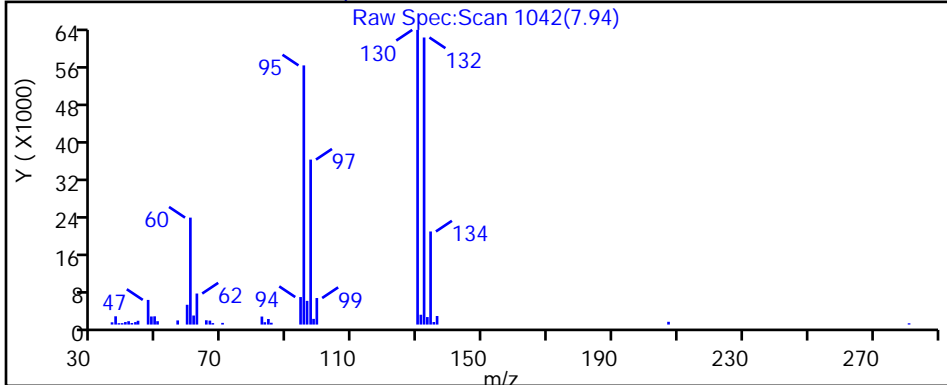
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

64 Trichloroethene, CAS: 79-01-6



Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X17.D

Injection Date: 02-Jul-2023 17:20:30

Instrument ID: 19930

Lims ID: 410-131835-A-13

Lab Sample ID: 410-131835-13

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

Operator ID: knk41612

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

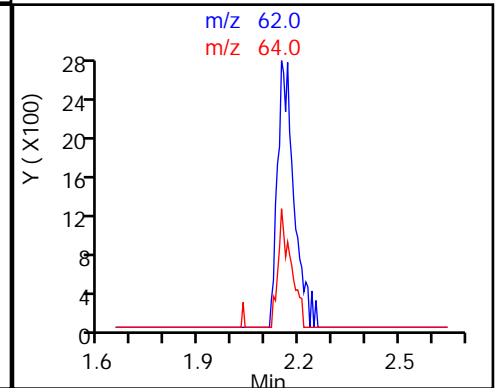
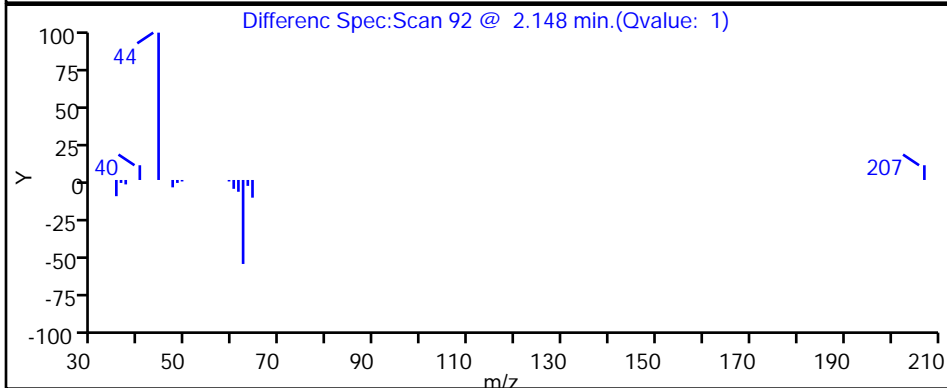
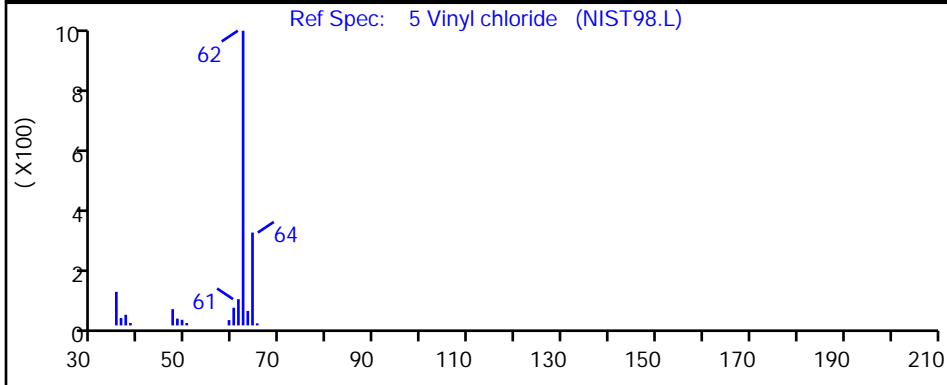
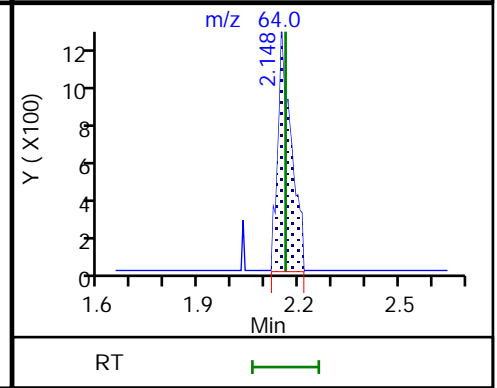
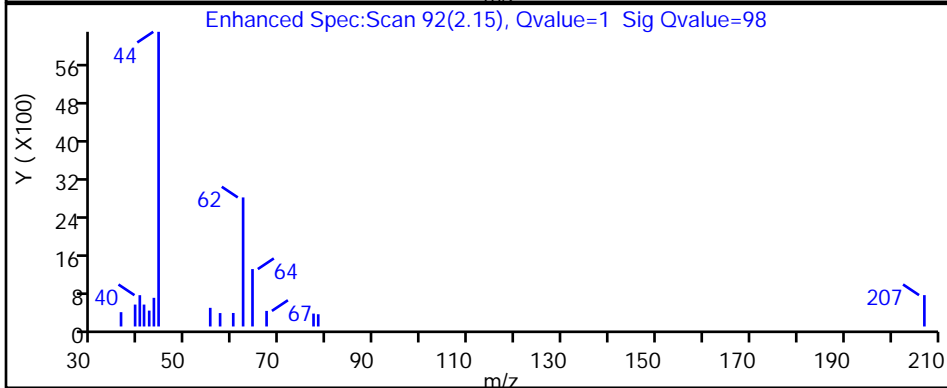
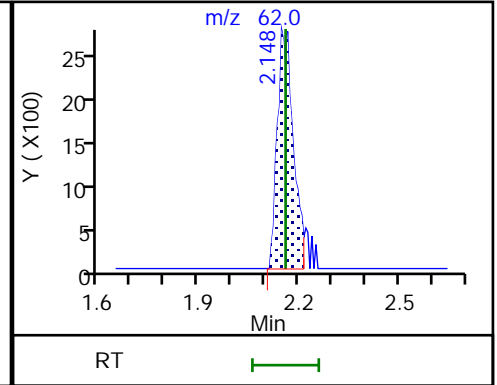
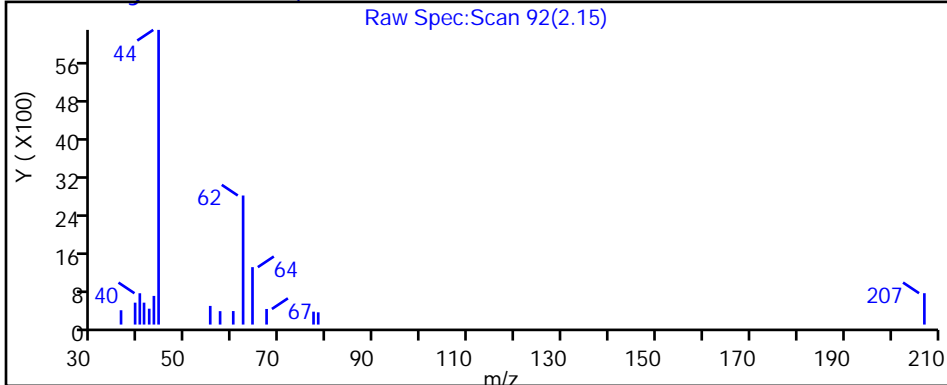
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

5 Vinyl chloride, CAS: 75-01-4

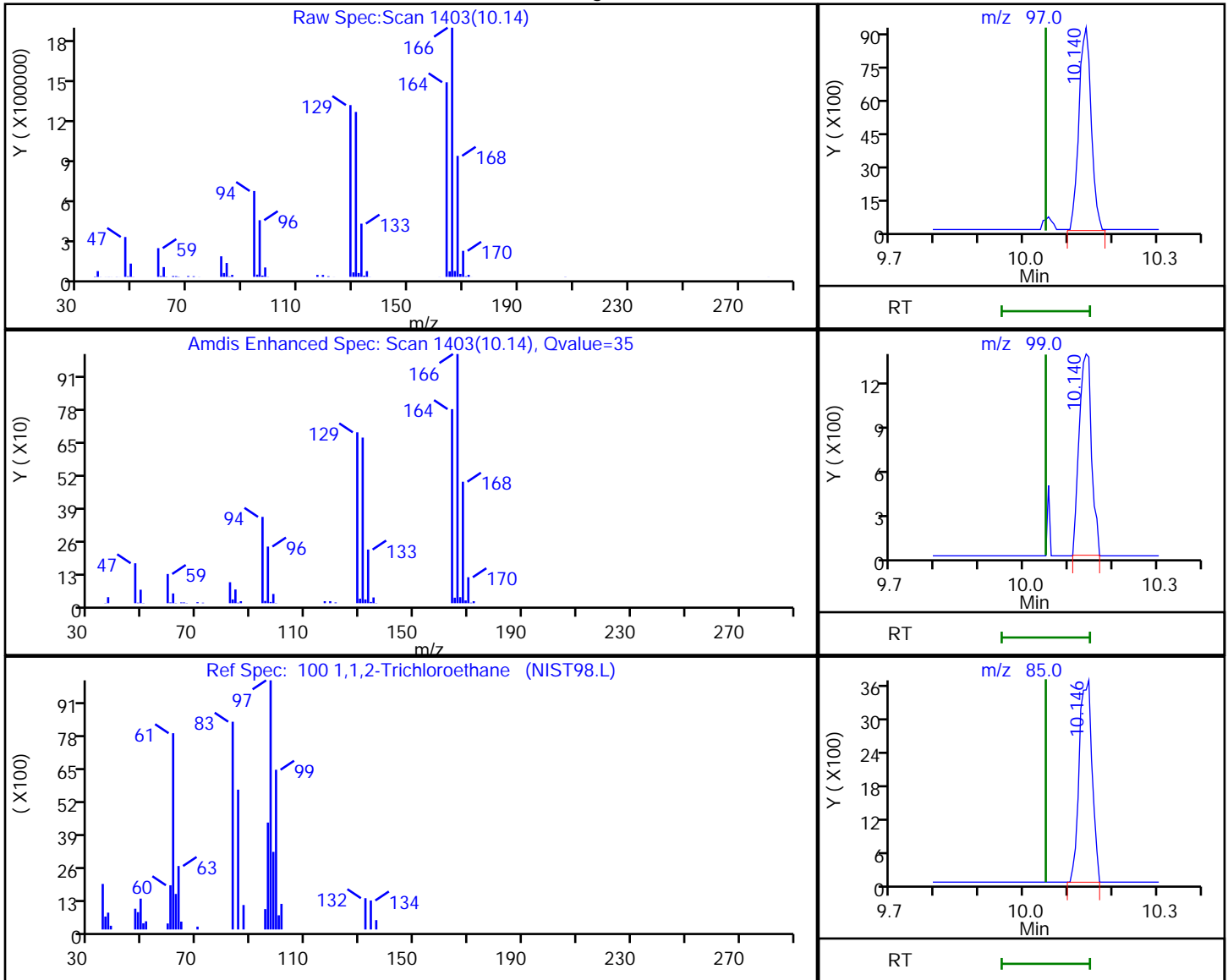


Euofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X17.D
 Injection Date: 02-Jul-2023 17:20:30 Instrument ID: 19930
 Lims ID: 410-131835-A-13 Lab Sample ID: 410-131835-13
 Client ID: HD-QC1-0/1-1
 Operator ID: knk41612 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

100 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
10.14	97.00	17770	0.458272
10.14	99.00	2675	
10.15	85.00	7466	
10.14	83.00	54303	

Reviewer: DVW2, 03-Jul-2023 10:50:28 -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.: 410-131835-1
 Environment Testing, LLC

SDG No.:

Client Sample ID: HD-QC1-0/1-1 DL Lab Sample ID: 410-131835-13 DL

Matrix: Water Lab File ID: IL02X18.D

Analysis Method: 8260D Date Collected: 06/21/2023 12:00

Sample wt/vol: 25 (mL) Date Analyzed: 07/02/2023 17:41

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.: 393012 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	36		5.0	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X18.D
 Lims ID: 410-131835-B-13 DL
 Client ID: HD-QC1-0/1-1
 Sample Type: Client
 Inject. Date: 02-Jul-2023 17:41:30 ALS Bottle#: 18 Worklist Smp#: 19
 Purge Vol: 25.000 mL Dil. Factor: 10.0000
 Sample Info: 410-0088040-019
 Operator ID: knk41612 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 10:52:50 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: DVW2 Date: 03-Jul-2023 10:51:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		2.050				ND	
5 Vinyl chloride	62		2.160				ND	
7 Bromomethane	94		2.471				ND	
8 Chloroethane	64		2.544				ND	
15 1,1-Dichloroethene	96		3.349				ND	7
16 Acetone	43	3.398	3.367	0.031	46	6365	0.9326	
20 Carbon disulfide	76		3.635				ND	
25 Methylene Chloride	84		3.970				ND	7
* 26 t-Butyl alcohol-d10 (IS)	65	3.989	3.983	0.006	63	142699	50.0	
29 Methyl tert-butyl ether	73		4.361				ND	
30 trans-1,2-Dichloroethene	96		4.367				ND	
32 1,1-Dichloroethane	63	5.031	5.025	0.006	1	5512	0.0643	M
38 2-Butanone (MEK)	43		5.824				ND	
39 cis-1,2-Dichloroethene	96	5.879	5.866	0.013	77	14715	0.2644	
46 Chlorobromomethane	128		6.196				ND	
48 Chloroform	83		6.348				ND	7
\$ 49 Dibromofluoromethane (Surr)	113	6.568	6.567	0.001	95	435647	10.1	
50 1,1,1-Trichloroethane	97	6.586	6.574	0.012	37	20698	0.2504	
54 Carbon tetrachloride	117		6.787				ND	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.019	7.013	0.006	62	86834	10.2	
57 Benzene	78		7.049				ND	
58 1,2-Dichloroethane	62		7.122				ND	
* 61 Fluorobenzene (IS)	96	7.458	7.458	0.000	99	1675686	10.0	
64 Trichloroethene	95	7.952	7.939	0.013	95	11576	0.2103	
66 1,2-Dichloropropane	63		8.268				ND	
71 Dichlorobromomethane	83		8.616				ND	
76 cis-1,3-Dichloropropene	75		9.177				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.354				ND	
\$ 78 Toluene-d8 (Surr)	98	9.500	9.494	0.006	92	1712989	9.66	
79 Toluene	92		9.573				ND	7
97 trans-1,3-Dichloropropene	75		9.841				ND	
100 1,1,2-Trichloroethane	97		10.049				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.140	10.140	0.000	97	259292	3.55	
103 2-Hexanone	43		10.268				ND	
105 Chlorodibromomethane	129		10.433				ND	
106 Ethylene Dibromide	107		10.542				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.981	10.981	0.000	84	1379906	10.0	
109 Chlorobenzene	112		11.006				ND	
111 1,1,1,2-Tetrachloroethane	131		11.091				ND	
112 Ethylbenzene	91		11.097				ND	
113 m-Xylene & p-Xylene	106		11.213				ND	
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.542				ND	
115 Styrene	104		11.560				ND	
116 Bromoform	173		11.719				ND	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.993	11.993	0.000	96	657931	9.84	
121 1,1,2,2-Tetrachloroethane	83		12.097				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	93	853227	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_LLcentISS_00007

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X18.D

Injection Date: 02-Jul-2023 17:41:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: 410-131835-B-13 DL

Lab Sample ID: 410-131835-13

Worklist Smp#: 19

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

Purge Vol: 25.000 mL

Dil. Factor: 10.0000

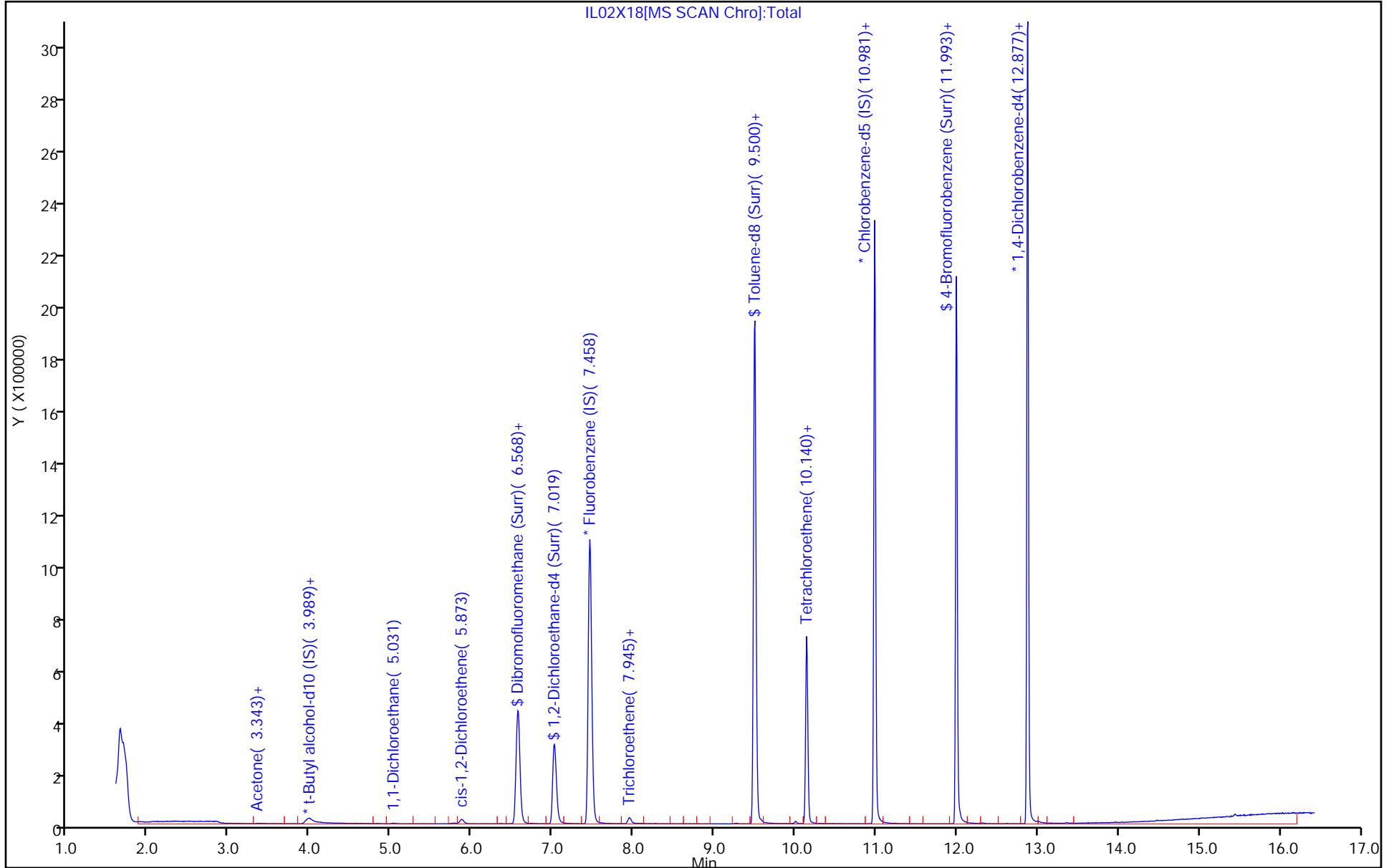
ALS Bottle#: 18

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X18.D
 Lims ID: 410-131835-B-13 DL
 Client ID: HD-QC1-0/1-1
 Sample Type: Client
 Inject. Date: 02-Jul-2023 17:41:30 ALS Bottle#: 18 Worklist Smp#: 19
 Purge Vol: 25.000 mL Dil. Factor: 10.0000
 Sample Info: 410-0088040-019
 Operator ID: knk41612 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 10:52:50 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: DVW2

Date: 03-Jul-2023 10:51:06

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	10.1	101.22
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	101.75
\$ 78 Toluene-d8 (Surr)	10.0	9.66	96.56
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.84	98.42

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\1L02X18.D

Injection Date: 02-Jul-2023 17:41:30

Instrument ID: 19930

Lims ID: 410-131835-B-13 DL

Lab Sample ID: 410-131835-13

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

Operator ID: knk41612

ALS Bottle#: 18 Worklist Smp#: 19

Purge Vol: 25.000 mL

Dil. Factor: 10.0000

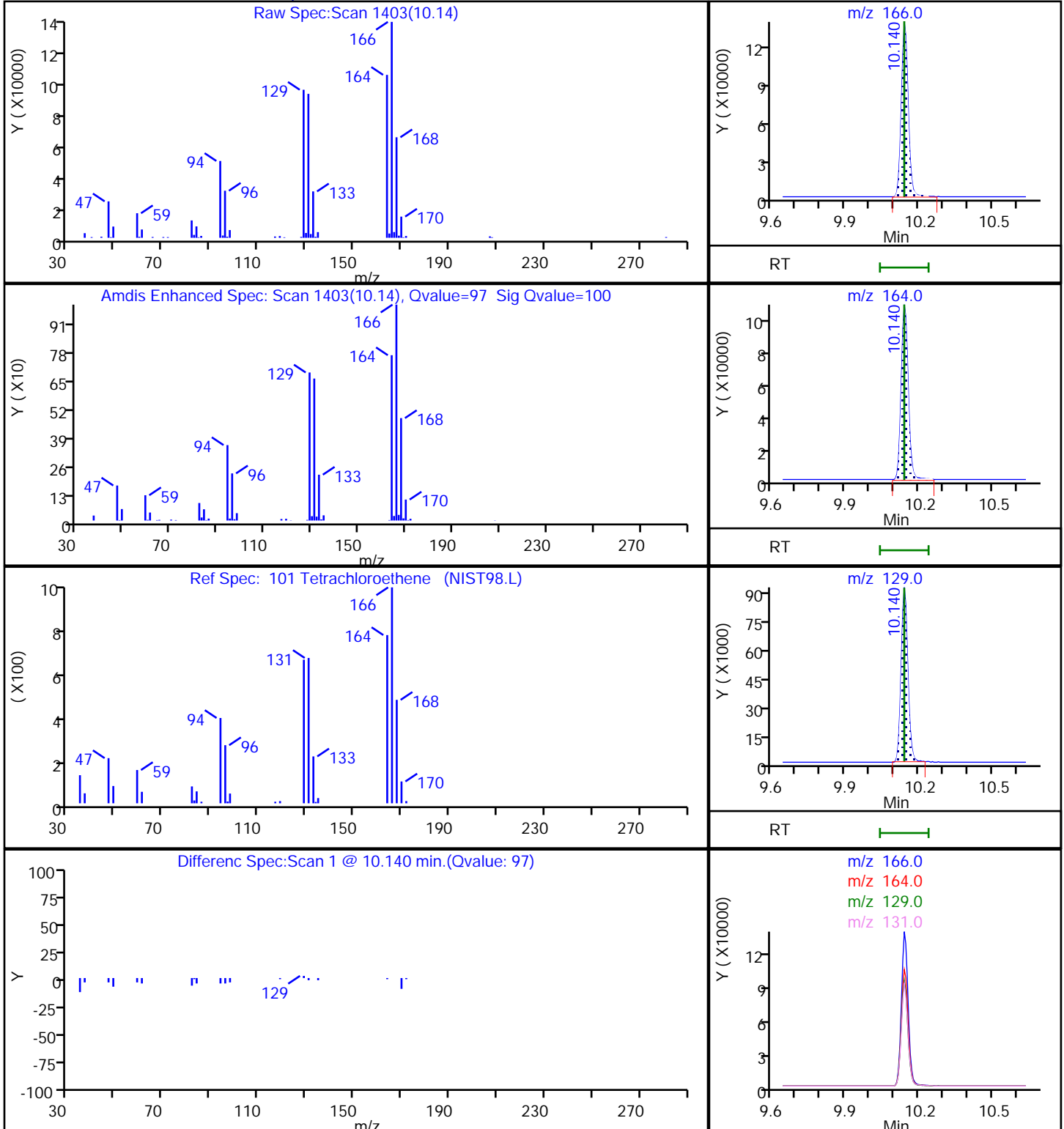
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

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.: 410-131835-1

SDG No.:

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

Lab Sample ID: 410-131835-14

Matrix: Water

Lab File ID: IL02X19.D

Analysis Method: 8260D

Date Collected: 06/20/2023 00:00

Sample wt/vol: 25 (mL)

Date Analyzed: 07/02/2023 18:02

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 393012

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-131835-1
 Environment Testing, LLC

SDG No.:

Client Sample ID: HD-QC1-0/1-2 Lab Sample ID: 410-131835-14

Matrix: Water Lab File ID: IL02X19.D

Analysis Method: 8260D Date Collected: 06/20/2023 00:00

Sample wt/vol: 25 (mL) Date Analyzed: 07/02/2023 18:02

Soil Aliquot Vol: Dilution Factor: 1

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

Purge Volume: 25.0 (mL) Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 393012 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)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		80-120
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X19.D
 Lims ID: 410-131835-A-14
 Client ID: HD-QC1-0/1-2
 Sample Type: Client
 Inject. Date: 02-Jul-2023 18:02:30 ALS Bottle#: 19 Worklist Smp#: 20
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088040-020
 Operator ID: knk41612 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 10:52:50 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: DVW2 Date: 03-Jul-2023 10:51:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		2.050				ND	
5 Vinyl chloride	62		2.160				ND	
7 Bromomethane	94		2.471				ND	
8 Chloroethane	64		2.544				ND	
15 1,1-Dichloroethene	96		3.349				ND	
16 Acetone	43	3.410	3.367	0.043	20	6545	0.9524	
20 Carbon disulfide	76		3.635				ND	
25 Methylene Chloride	84		3.970				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.983	3.983	0.000	29	143671	50.0	
29 Methyl tert-butyl ether	73		4.361				ND	
30 trans-1,2-Dichloroethene	96		4.367				ND	
32 1,1-Dichloroethane	63		5.025				ND	
38 2-Butanone (MEK)	43		5.824				ND	
39 cis-1,2-Dichloroethene	96		5.866				ND	
46 Chlorobromomethane	128		6.196				ND	
48 Chloroform	83		6.348				ND	
\$ 49 Dibromofluoromethane (Surr)	113	6.568	6.567	0.001	94	441584	10.2	
50 1,1,1-Trichloroethane	97		6.574				ND	
54 Carbon tetrachloride	117		6.787				ND	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.013	7.013	0.000	62	86909	10.1	
57 Benzene	78		7.049				ND	
58 1,2-Dichloroethane	62		7.122				ND	
* 61 Fluorobenzene (IS)	96	7.458	7.458	0.000	99	1684659	10.0	
64 Trichloroethene	95		7.939				ND	
66 1,2-Dichloropropane	63		8.268				ND	
71 Dichlorobromomethane	83		8.616				ND	
76 cis-1,3-Dichloropropene	75		9.177				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.354				ND	
\$ 78 Toluene-d8 (Surr)	98	9.494	9.494	0.000	93	1725142	9.71	
79 Toluene	92	9.573	9.573	0.000	97	3723	0.0266	
97 trans-1,3-Dichloropropene	75		9.841				ND	
100 1,1,2-Trichloroethane	97		10.049				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166		10.140				ND	
103 2-Hexanone	43		10.268				ND	
105 Chlorodibromomethane	129		10.433				ND	
106 Ethylene Dibromide	107		10.542				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.981	10.981	0.000	84	1381769	10.0	
109 Chlorobenzene	112		11.006				ND	
111 1,1,1,2-Tetrachloroethane	131		11.091				ND	
112 Ethylbenzene	91		11.097				ND	
113 m-Xylene & p-Xylene	106		11.213				ND	7
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.542				ND	7
115 Styrene	104		11.560				ND	
116 Bromoform	173		11.719				ND	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.993	11.993	0.000	97	665235	9.94	
121 1,1,2,2-Tetrachloroethane	83		12.097				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	93	848705	10.0	

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\20230702-88040.b\IL02X19.D

Injection Date: 02-Jul-2023 18:02:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: 410-131835-A-14

Lab Sample ID: 410-131835-14

Worklist Smp#: 20

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

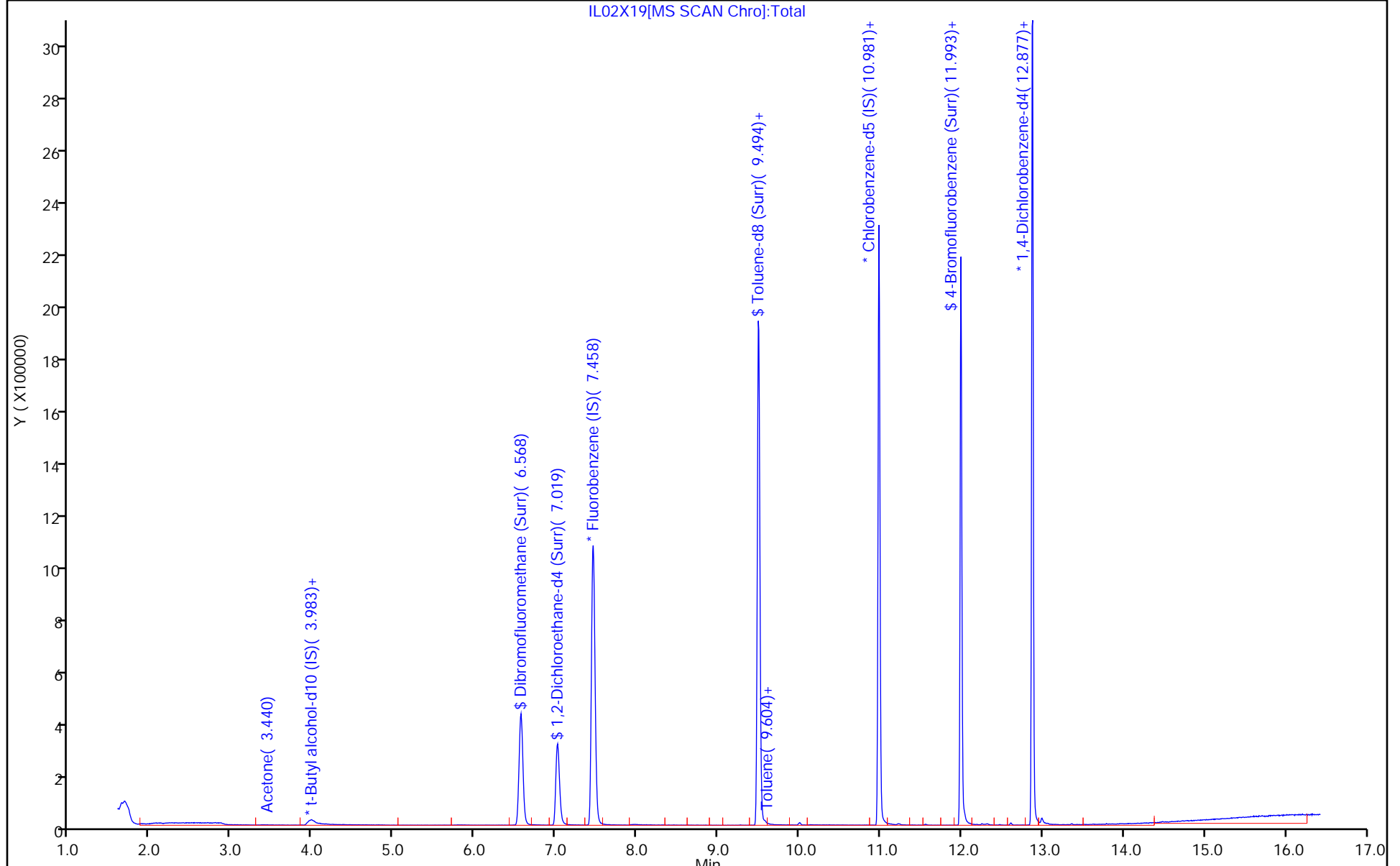
ALS Bottle#: 19

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\20230702-88040.b\IL02X19.D
 Lims ID: 410-131835-A-14
 Client ID: HD-QC1-0/1-2
 Sample Type: Client
 Inject. Date: 02-Jul-2023 18:02:30 ALS Bottle#: 19 Worklist Smp#: 20
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088040-020
 Operator ID: knk41612 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 03-Jul-2023 10:52:50 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: DVW2

Date: 03-Jul-2023 10:51:27

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	10.2	102.05
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	101.29
\$ 78 Toluene-d8 (Surr)	10.0	9.71	97.11
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.94	99.38

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-131835-1 Analy Batch No.: 385635
 Environment Testing, LLC

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/12/2023 21:01 Calibration End Date: 06/12/2023 23:14 Calibration ID: 50973

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-385635/3	JU12X02.D
Level 2	IC 410-385635/4	JU12X03.D
Level 3	IC 410-385635/5	JU12X04.D
Level 4	IC 410-385635/6	JU12X05.D
Level 5	IC 410-385635/7	JU12X06.D
Level 6	IC 410-385635/8	JU12X07.D
Level 7	IC 410-385635/9	JU12X08.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	++++ 0.3264	0.3831 0.3469	0.3158	0.3255	0.4175	Ave		0.352 6			11.3		20.0				
Methoxymethane	++++ 0.4055	0.3144 0.3799	0.3592	0.3822	0.4806	Ave		0.387 0			14.3		20.0				
Acetonitrile	++++ 1.1103	1.7335 1.0586	1.0902	1.3595	1.2955	Ave		1.274 6			20.0		20.0				
Vinyl acetate	++++ 0.4355	0.4147 0.4396	0.4042	0.3821	0.4896	Ave		0.427 6			8.6		20.0				
Ethyl acetate	++++ 0.1728	0.1442 0.1668	0.1485	0.1284	0.1776	Ave		0.156 4			12.2		20.0				
2-Chloroethyl vinyl ether	++++ 0.1211	0.1024 0.1306	0.1056	0.1116	0.1448	Ave		0.119 4			13.6		20.0				
cis-1,4-Dichloro-2-butene	++++ 6.2616	4.1826 7.0679	3.5903	4.1338	7.6179	Lin	-6.48 6	7.145 0						0.9970		0.9900	
Cyclohexanone	++++ 0.4111	0.3608 0.3759	0.3398	0.4264	0.4583	Ave		0.395 4			11.2		20.0				

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

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

Lab Name: Eurofins Lancaster Laboratories Environ Job No.: 410-131835-1 Analy Batch No.: 385635

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/12/2023 21:01 Calibration End Date: 06/12/2023 23:14 Calibration ID: 50973

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-385635/3	JU12X02.D
Level 2	IC 410-385635/4	JU12X03.D
Level 3	IC 410-385635/5	JU12X04.D
Level 4	IC 410-385635/6	JU12X05.D
Level 5	IC 410-385635/7	JU12X06.D
Level 6	IC 410-385635/8	JU12X07.D
Level 7	IC 410-385635/9	JU12X08.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	++++ 954345	57299 2575317	95264	193150	494819	++++ 10.0	0.500 25.0	1.00	2.00	5.00
Methoxymethane	FB	Ave	++++ 1185545	47012 2819718	108363	226757	569584	++++ 10.0	0.500 25.0	1.00	2.00	5.00
Acetonitrile	TBAd 10	Ave	++++ 171062	13044 452849	21134	48220	72465	++++ 50.0	2.50 125	5.00	10.0	25.0
Vinyl acetate	FB	Ave	++++ 1273112	62018 3263040	121927	226729	580159	++++ 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl acetate	FB	Ave	++++ 505154	21561 1238401	44808	76173	210513	++++ 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloroethyl vinyl ether	FB	Ave	++++ 354185	15314 969430	31856	66214	171604	++++ 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,4-Dichloro-2-butene	TBAd 10	Lin	++++ 385896	12590 1209480	27843	58654	170462	++++ 20.0	1.00 50.0	2.00	4.00	10.0
Cyclohexanone	TBAd 10	Ave	++++ 633255	27149 1608018	65876	151229	256357	++++ 500	25.0 1250	50.0	100.0	250

Curve Type Legend

Ave = Average ISTD
Lin = Linear ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environ Job No.: 410-131835-1 Analy Batch No.: 385635

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/12/2023 21:01 Calibration End Date: 06/12/2023 23:14 Calibration ID: 50973

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-385635/3	JU12X02.D
Level 2	IC 410-385635/4	JU12X03.D
Level 3	IC 410-385635/5	JU12X04.D
Level 4	IC 410-385635/6	JU12X05.D
Level 5	IC 410-385635/7	JU12X06.D
Level 6	IC 410-385635/8	JU12X07.D
Level 7	IC 410-385635/9	JU12X08.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	++++ -1.6	8.7	-10.4	-7.7	18.4	-7.4	30	50	30	30	30	30
Methoxymethane	++++ -1.8	-18.8	-7.2	-1.2	24.2	4.8	30	50	30	30	30	30
Acetonitrile	++++ -16.9	36.0	-14.5	6.7	1.6	-12.9	30	50	30	30	30	30
Vinyl acetate	++++ 2.8	-3.0	-5.5	-10.6	14.5	1.8	30	50	30	30	30	30
Ethyl acetate	++++ 6.7	-7.8	-5.0	-17.9	13.6	10.5	30	50	30	30	30	30
2-Chloroethyl vinyl ether	++++ 9.4	-14.2	-11.5	-6.5	21.3	1.5	30	50	30	30	30	30
cis-1,4-Dichloro-2-butene	++++ 0.7	49.3	-4.4	-19.5	15.7	-7.8	30	50	30	30	30	30
Cyclohexanone	++++ -4.9	-8.7	-14.1	7.8	15.9	4.0	30	50	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X02.D
 Lims ID: IC std1sm
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 12-Jun-2023 21:01:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086386-003
 Misc. Info.: IC STD1 SM
 Operator ID: gaw91131 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub40
 Method: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 14-Jun-2023 15:47:36 Calib Date: 13-Jun-2023 02:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1669

First Level Reviewer: UJML

Date: 13-Jun-2023 08:20:26

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	ND	
3 Chlorodifluoromethane	51		1.916				ND	ND	
4 Dimethyl ether	45		1.983				ND	ND	
8 2-Chloro-1,1,1-Trifluoroethane	118		2.288				ND	ND	
26 Acetonitrile	41		3.855				ND	ND	
* 30 t-Butyl alcohol-d10 (IS)	65		4.080				50.0	ND	
36 Vinyl acetate	43		5.104				ND	ND	
44 Ethyl acetate	43		5.994				ND	ND	
62 Isopropyl acetate	43		7.232				ND	ND	
* 64 Fluorobenzene (IS)	96		7.543				10.0	ND	
75 n-Propyl acetate	61		8.537				ND	ND	
78 2-Chloroethyl vinyl ether	63		9.079				ND	ND	
111 n-Butyl acetate	43		10.481				ND	ND	
* 114 Chlorobenzene-d5 (IS)	117		11.061				10.0	ND	
125 cis-1,4-Dichloro-2-butene	88		11.975				ND	ND	
126 Cyclohexanone	55		12.011				ND	ND	
* 142 1,4-Dichlorobenzene-d4	152		12.951				10.0	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

MSV_CCV_CYC_00005	Amount Added: 1.60	Units: uL
MSV_DME_00046	Amount Added: 0.20	Units: uL
MSV_V_SMRV4_00059	Amount Added: 1.00	Units: uL
MSV_CCV_V5ACE_00025	Amount Added: 0.20	Units: uL
MSV_HP29_ISO_00002	Amount Added: 1.00	Units: uL

Report Date: 14-Jun-2023 15:47:36

Chrom Revision: 2.3 05-Jun-2023 19:02:10

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X02.D

Injection Date: 12-Jun-2023 21:01:30

Instrument ID: 16334

Operator ID: gaw91131

Lims ID: IC std1sm

Worklist Smp#: 3

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 2

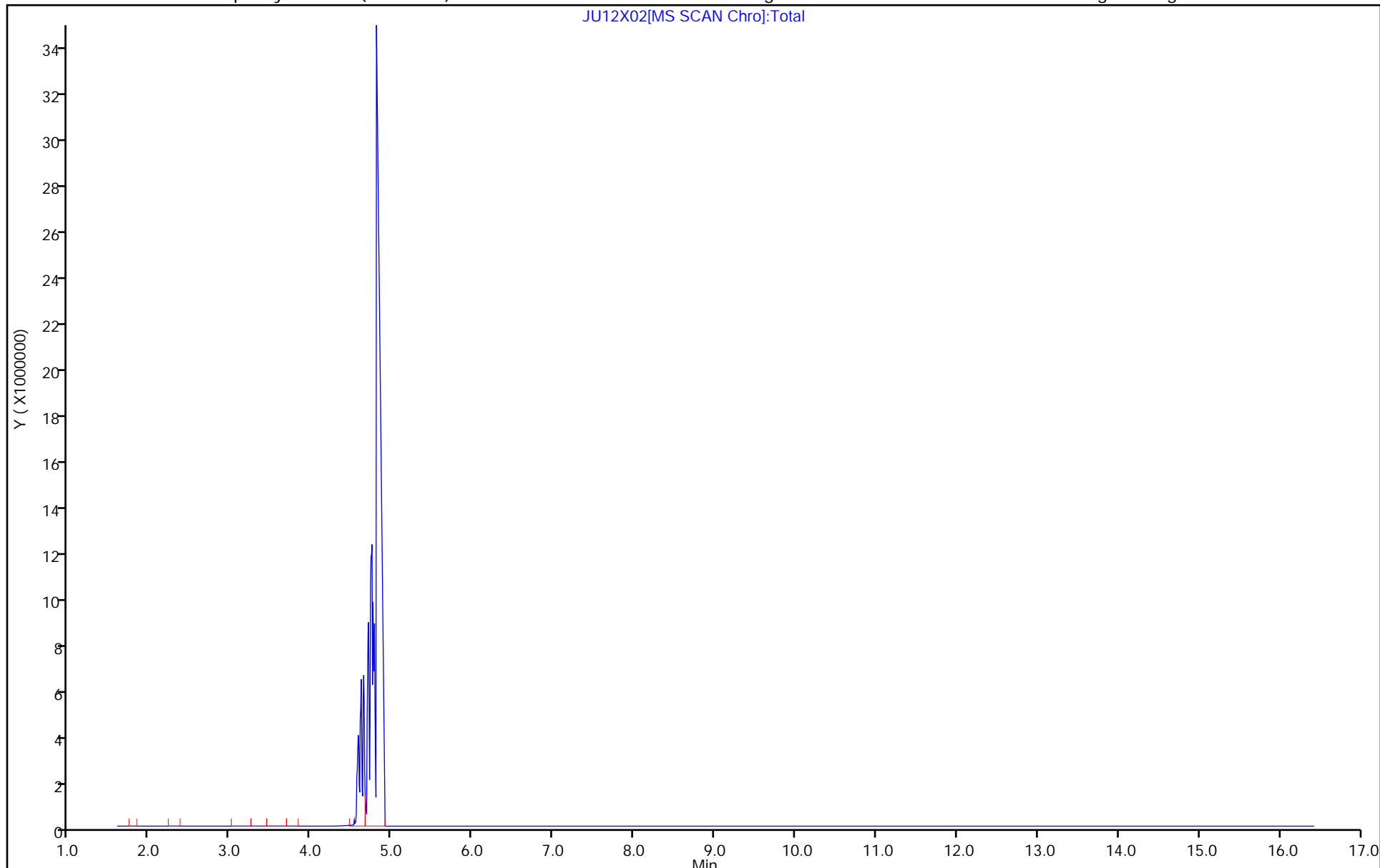
Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

JU12X02[MS SCAN Chro]:Total



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X03.D
 Lims ID: IC std2sm
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 12-Jun-2023 21:23:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086386-004
 Misc. Info.: IC STD2 SM
 Operator ID: gaw91131 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub40
 Method: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 14-Jun-2023 15:47:38 Calib Date: 13-Jun-2023 02:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1669

First Level Reviewer: DVW2

Date: 13-Jun-2023 08:44:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.855	1.861	-0.006	91	22285	0.5000	0.4753	
3 Chlorodifluoromethane	51	1.904	1.916	-0.012	97	57299	0.5000	0.5434	
4 Dimethyl ether	45	1.959	1.983	-0.024	100	47012	0.5000	0.4062	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.270	2.288	-0.018	33	47279	0.5000	0.4959	
26 Acetonitrile	41	3.873	3.855	0.018	61	13044	2.50	3.40	M
* 30 t-Butyl alcohol-d10 (IS)	65	4.129	4.080	0.049	27	150493	50.0	50.0	M
36 Vinyl acetate	43	5.104	5.104	0.000	97	62018	0.5000	0.4849	
44 Ethyl acetate	43	5.994	5.994	0.000	98	21561	0.5000	0.4609	M
62 Isopropyl acetate	43	7.226	7.232	-0.006	98	47790	0.5000	0.4531	
* 64 Fluorobenzene (IS)	96	7.543	7.543	0.000	99	2991000	10.0	10.0	
75 n-Propyl acetate	61	8.543	8.537	0.006	99	9635	0.5000	0.4197	
78 2-Chloroethyl vinyl ether	63	9.079	9.079	0.000	90	15314	0.5000	0.4290	
111 n-Butyl acetate	43	10.481	10.481	0.000	99	40172	0.5000	0.4349	
* 114 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	86	2200748	10.0	10.0	
125 cis-1,4-Dichloro-2-butene	88	11.975	11.975	0.000	97	12590	1.00	1.49	a
126 Cyclohexanone	55	12.018	12.011	0.007	89	27149	25.0	22.8	
* 142 1,4-Dichlorobenzene-d4	152	12.950	12.951	-0.001	95	1184464	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_CYC_00005	Amount Added: 4.00	Units: uL
MSV_DME_00046	Amount Added: 0.50	Units: uL
MSV_V_SMRV4_00059	Amount Added: 2.50	Units: uL
MSV_CCV_V5ACE_00025	Amount Added: 0.50	Units: uL
MSV_HP29_ISO_00002	Amount Added: 1.00	Units: uL

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X03.D

Injection Date: 12-Jun-2023 21:23:30

Instrument ID: 16334

Operator ID: gaw91131

Lims ID: IC std2sm

Worklist Smp#: 4

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

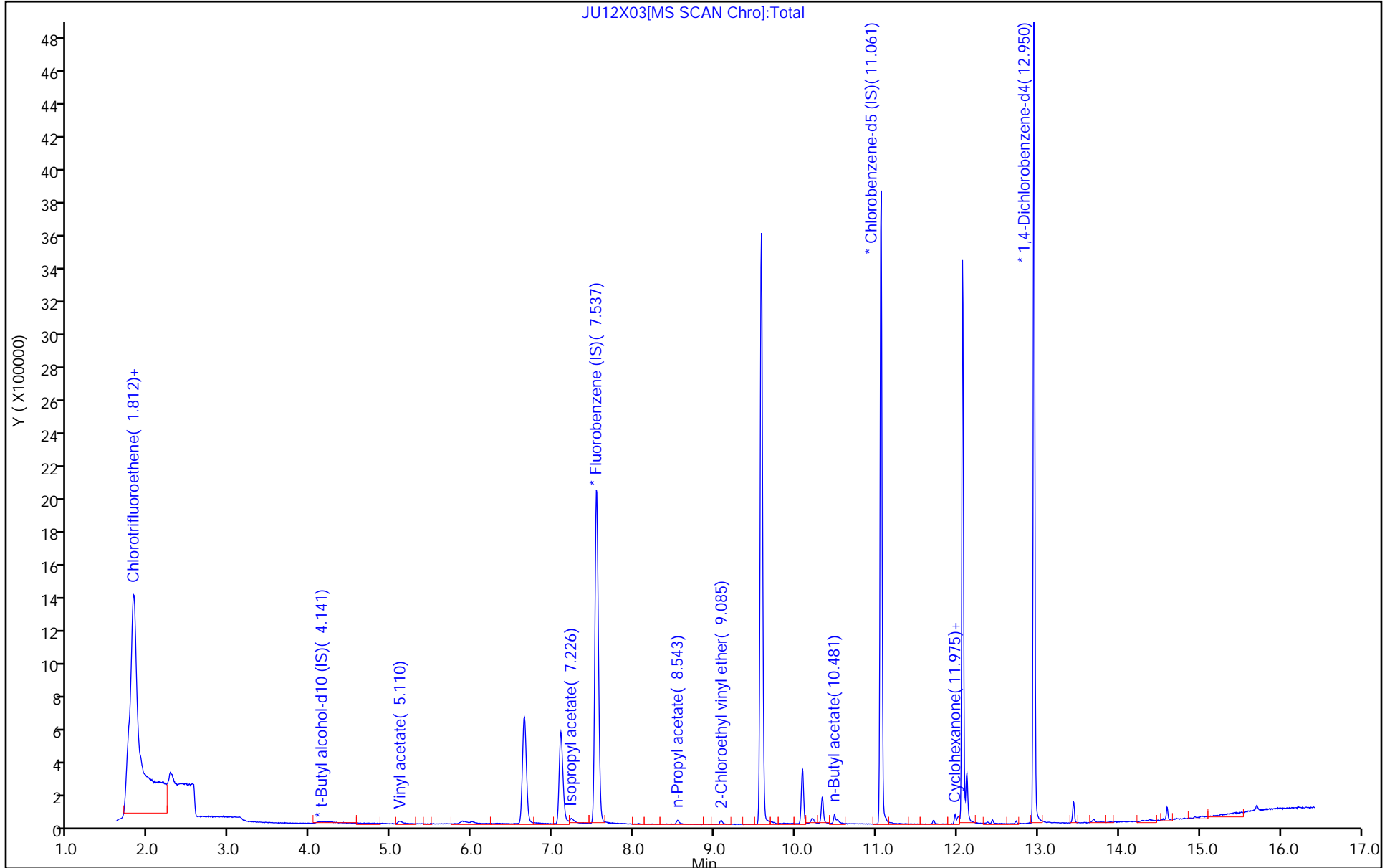
ALS Bottle#: 3

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

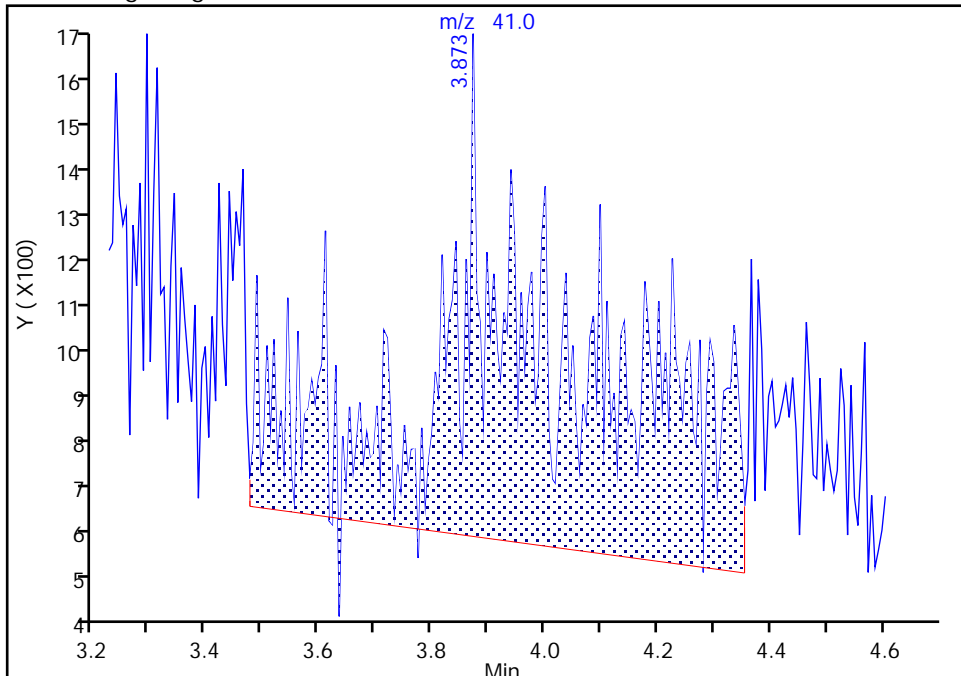
Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X03.D
Injection Date: 12-Jun-2023 21:23:30 Instrument ID: 16334
Lims ID: IC std2sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

26 Acetonitrile, CAS: 75-05-8

Signal: 1

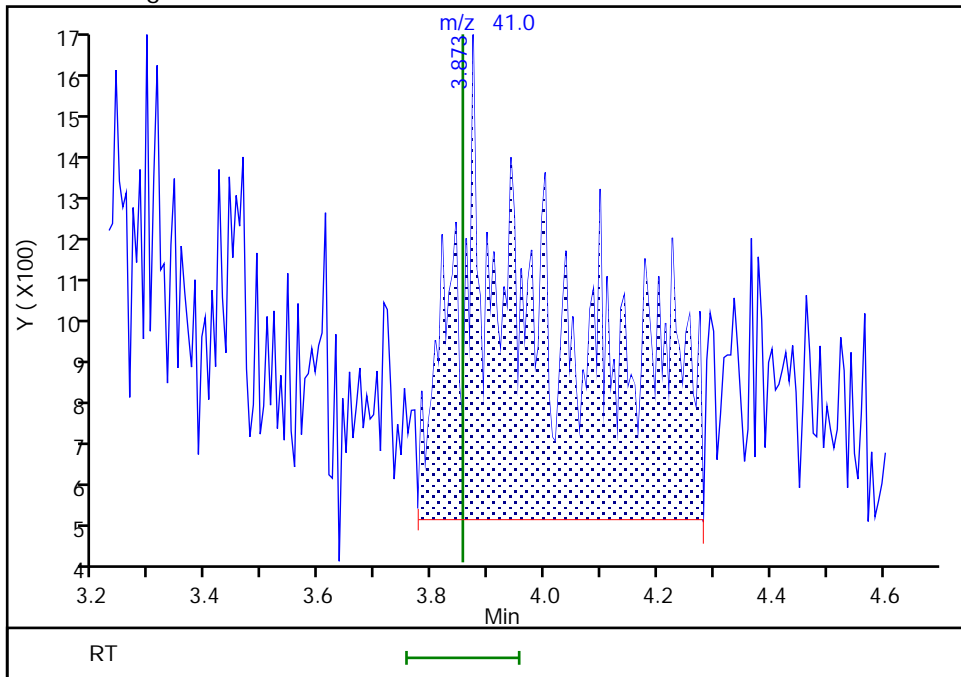
RT: 3.87
Area: 16368
Amount: 2.500000
Amount Units: ug/l

Processing Integration Results



RT: 3.87
Area: 13044
Amount: 3.400114
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 08:44:21 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

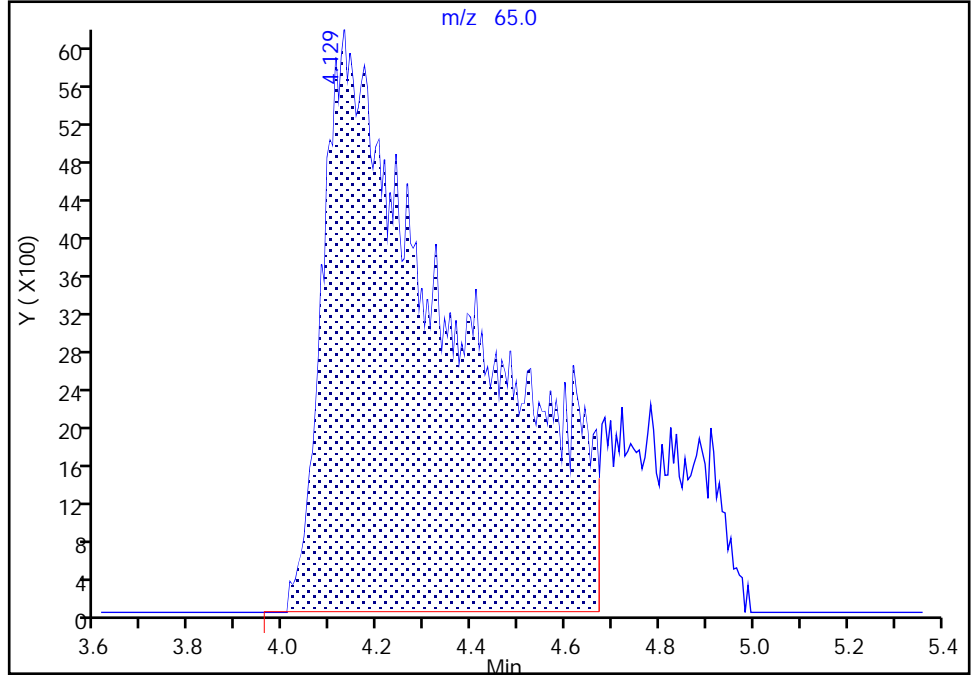
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X03.D
Injection Date: 12-Jun-2023 21:23:30 Instrument ID: 16334
Lims ID: IC std2sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2
Signal: 1

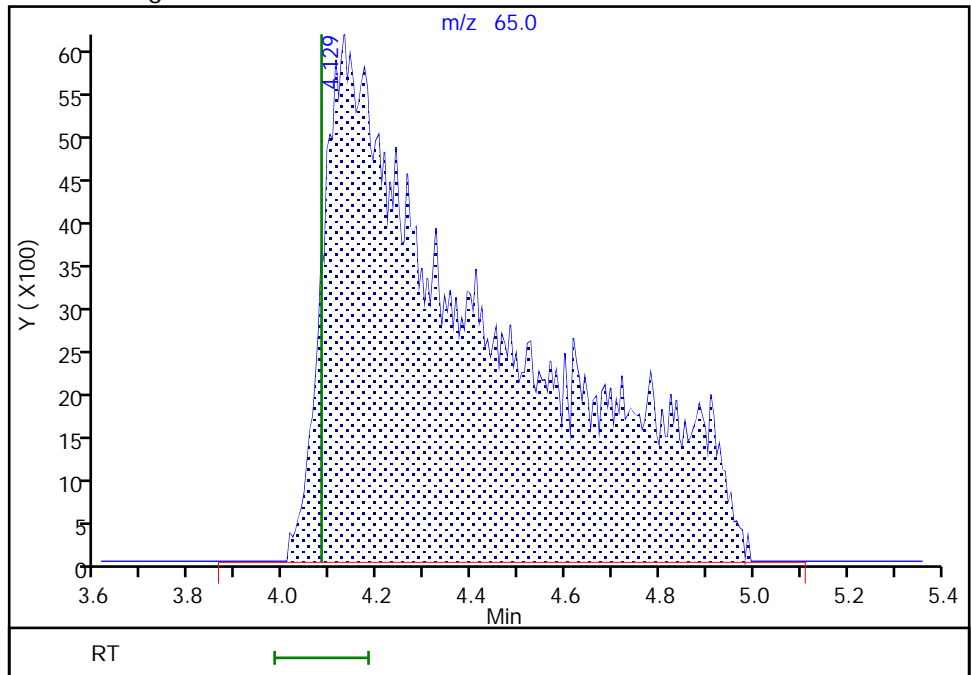
RT: 4.13
Area: 122653
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 4.13
Area: 150493
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 08:44:30 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

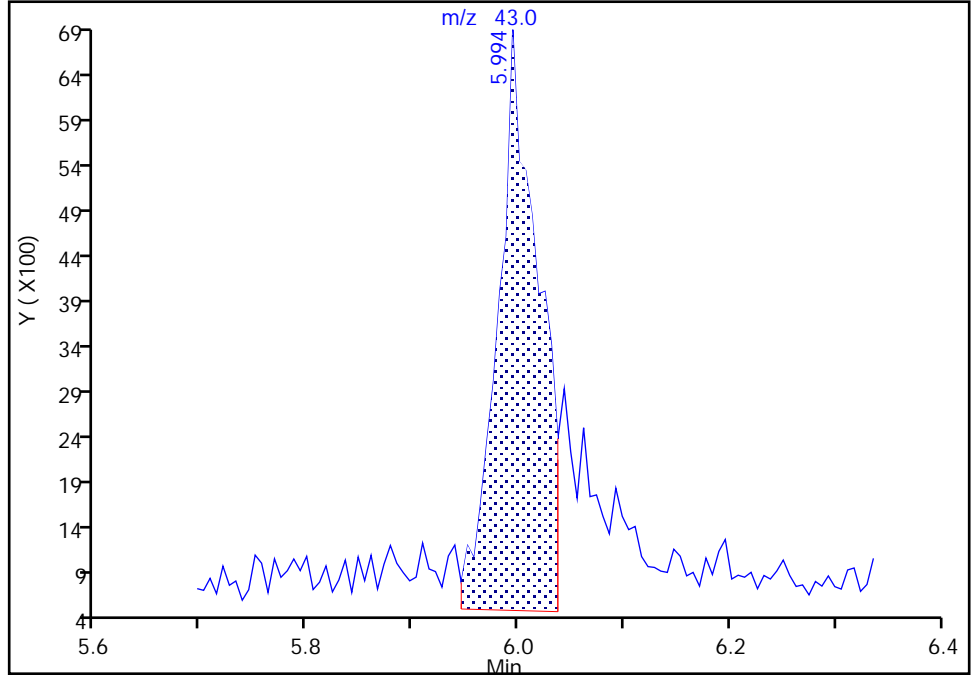
Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X03.D
Injection Date: 12-Jun-2023 21:23:30 Instrument ID: 16334
Lims ID: IC std2sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

44 Ethyl acetate, CAS: 141-78-6

Signal: 1

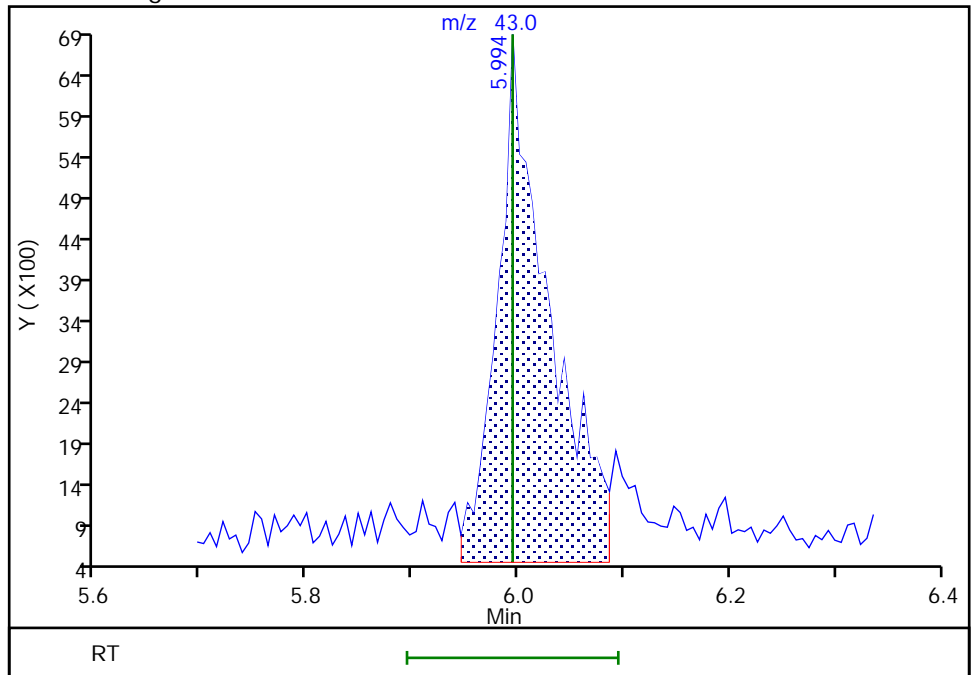
RT: 5.99
Area: 17319
Amount: 0.393372
Amount Units: ug/l

Processing Integration Results



RT: 5.99
Area: 21561
Amount: 0.460940
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 14-Jun-2023 14:29:07 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins Lancaster Laboratories Environment Testing, LLC

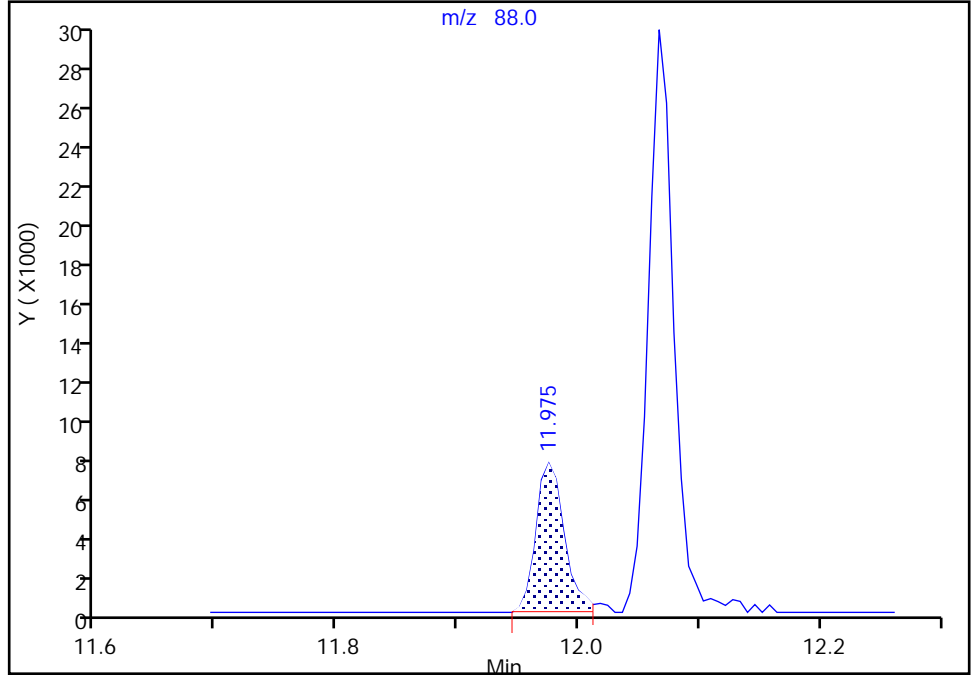
Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X03.D
Injection Date: 12-Jun-2023 21:23:30 Instrument ID: 16334
Lims ID: IC std2sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

125 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

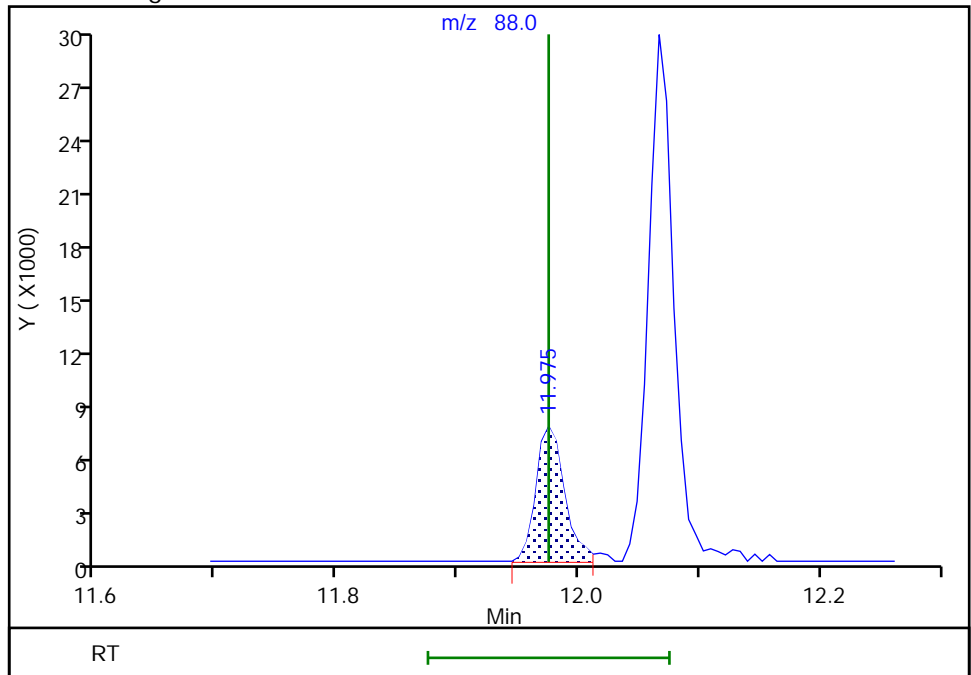
RT: 11.97
Area: 12590
Amount: 1.000073
Amount Units: ug/l

Processing Integration Results



RT: 11.97
Area: 12590
Amount: 1.493204
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 08:44:54 -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\16334\20230612-86386.b\JU12X04.D
 Lims ID: IC std3sm
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 12-Jun-2023 21:45:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086386-005
 Misc. Info.: IC STD3 SM
 Operator ID: gaw91131 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub40
 Method: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 14-Jun-2023 15:47:41 Calib Date: 13-Jun-2023 02:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1669

First Level Reviewer: DVW2 Date: 13-Jun-2023 08:45:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.855	1.861	-0.006	92	40296	1.00	0.8521	
3 Chlorodifluoromethane	51	1.904	1.916	-0.012	97	95264	1.00	0.8957	
4 Dimethyl ether	45	1.971	1.983	-0.012	100	108363	1.00	0.9283	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.270	2.288	-0.018	34	87338	1.00	0.9083	
26 Acetonitrile	41	3.848	3.855	-0.007	22	21134	5.00	4.28	M
* 30 t-Butyl alcohol-d10 (IS)	65	4.068	4.080	-0.012	27	193862	50.0	50.0	M
36 Vinyl acetate	43	5.092	5.104	-0.012	98	121927	1.00	0.9452	
44 Ethyl acetate	43	5.988	5.994	-0.006	99	44808	1.00	0.9498	M
62 Isopropyl acetate	43	7.226	7.232	-0.006	98	103593	1.00	0.9737	
* 64 Fluorobenzene (IS)	96	7.543	7.543	0.000	99	3016674	10.0	10.0	
75 n-Propyl acetate	61	8.537	8.537	0.000	98	21993	1.00	0.9497	
78 2-Chloroethyl vinyl ether	63	9.073	9.079	-0.006	93	31856	1.00	0.8847	
111 n-Butyl acetate	43	10.481	10.481	0.000	99	86852	1.00	0.9188	
* 114 Chlorobenzene-d5 (IS)	117	11.060	11.061	-0.001	86	2251945	10.0	10.0	
125 cis-1,4-Dichloro-2-butene	88	11.975	11.975	0.000	98	27843	2.00	1.91	
126 Cyclohexanone	55	12.005	12.011	-0.006	90	65876	50.0	43.0	
* 142 1,4-Dichlorobenzene-d4	152	12.950	12.951	-0.001	95	1239013	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_CYC_00005	Amount Added: 8.00	Units: uL
MSV_DME_00046	Amount Added: 1.00	Units: uL
MSV_V_SMRV4_00059	Amount Added: 5.00	Units: uL
MSV_CCV_V5ACE_00025	Amount Added: 1.00	Units: uL
MSV_HP29_ISO_00002	Amount Added: 1.00	Units: uL

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X04.D

Injection Date: 12-Jun-2023 21:45:30

Instrument ID: 16334

Operator ID: gaw91131

Lims ID: IC std3sm

Worklist Smp#: 5

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

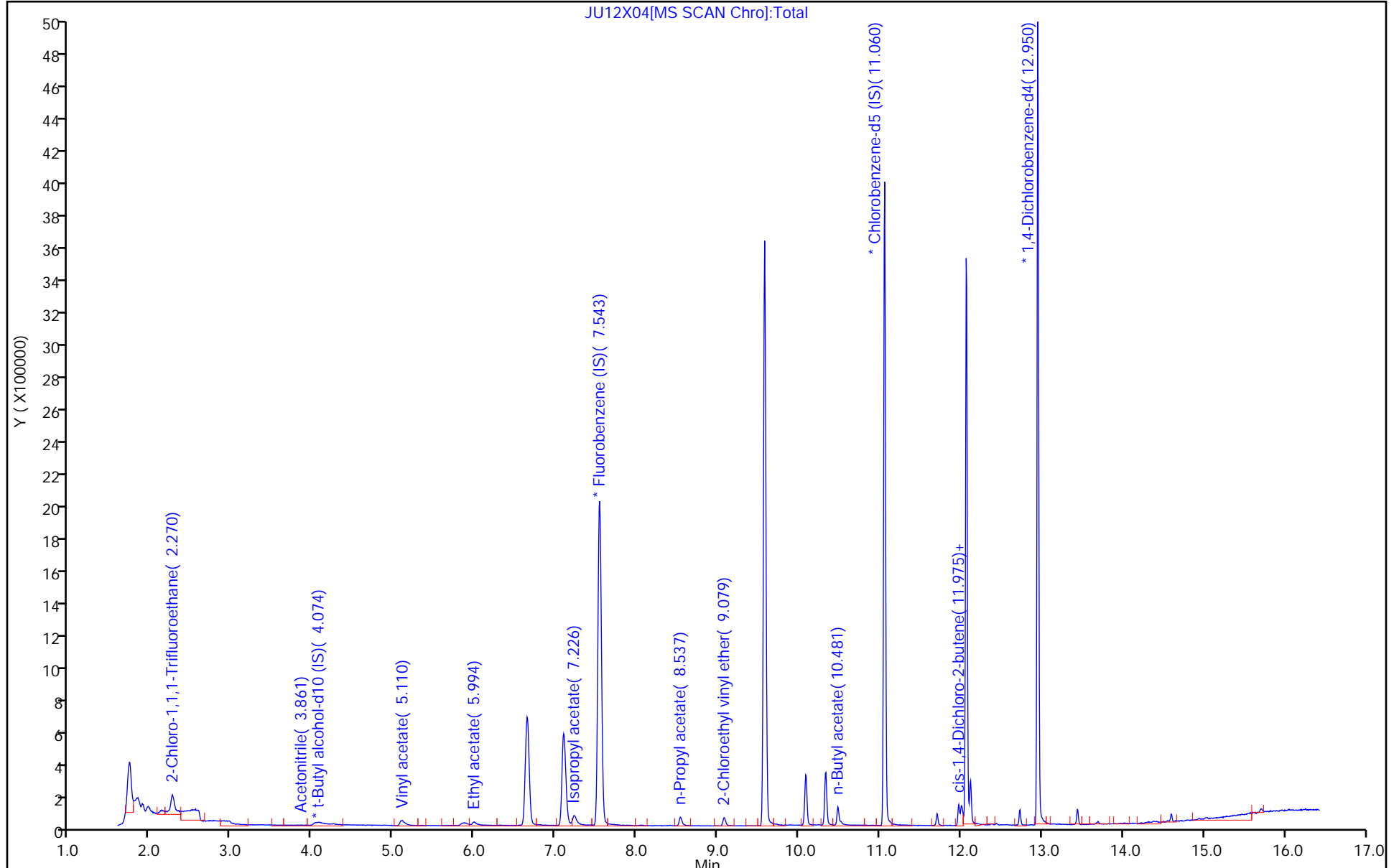
ALS Bottle#: 4

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

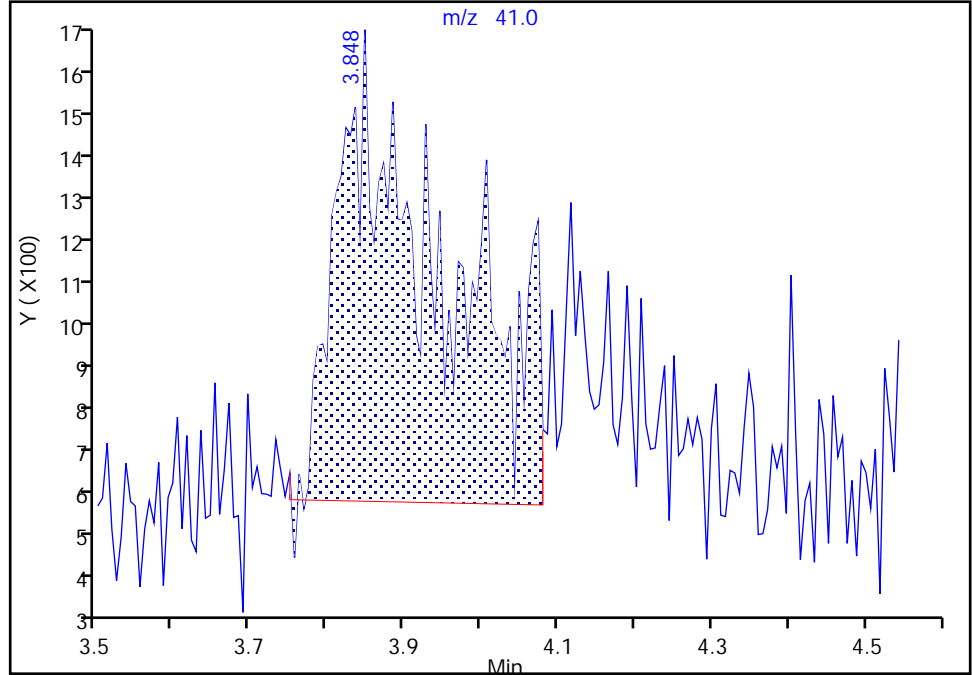
Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X04.D
Injection Date: 12-Jun-2023 21:45:30 Instrument ID: 16334
Lims ID: IC std3sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

26 Acetonitrile, CAS: 75-05-8

Signal: 1

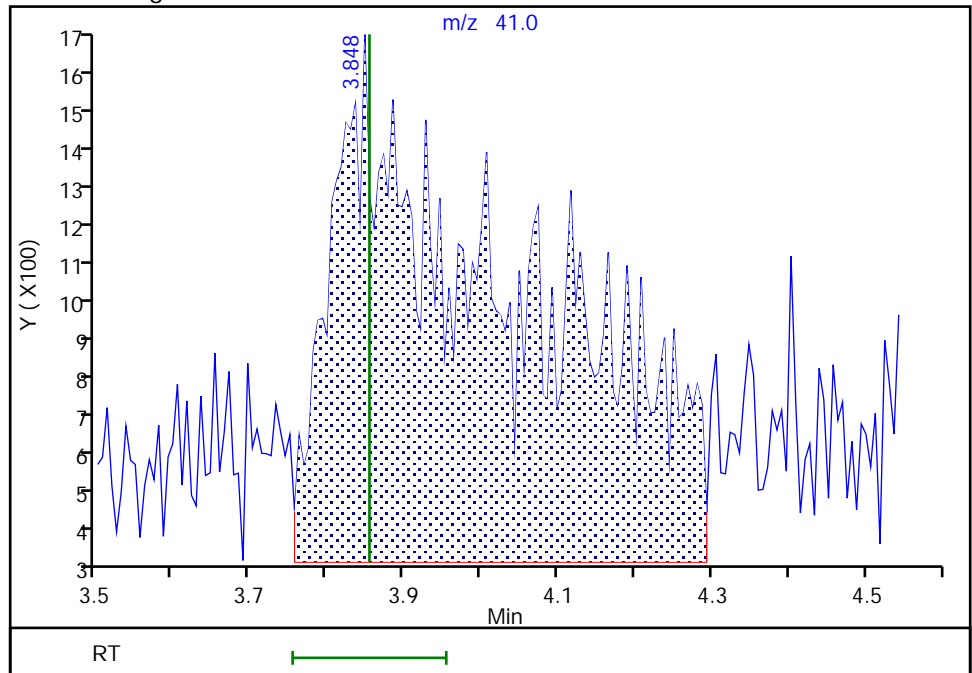
RT: 3.85
Area: 9795
Amount: 2.293325
Amount Units: ug/l

Processing Integration Results



RT: 3.85
Area: 21134
Amount: 4.276495
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 12:14:29 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

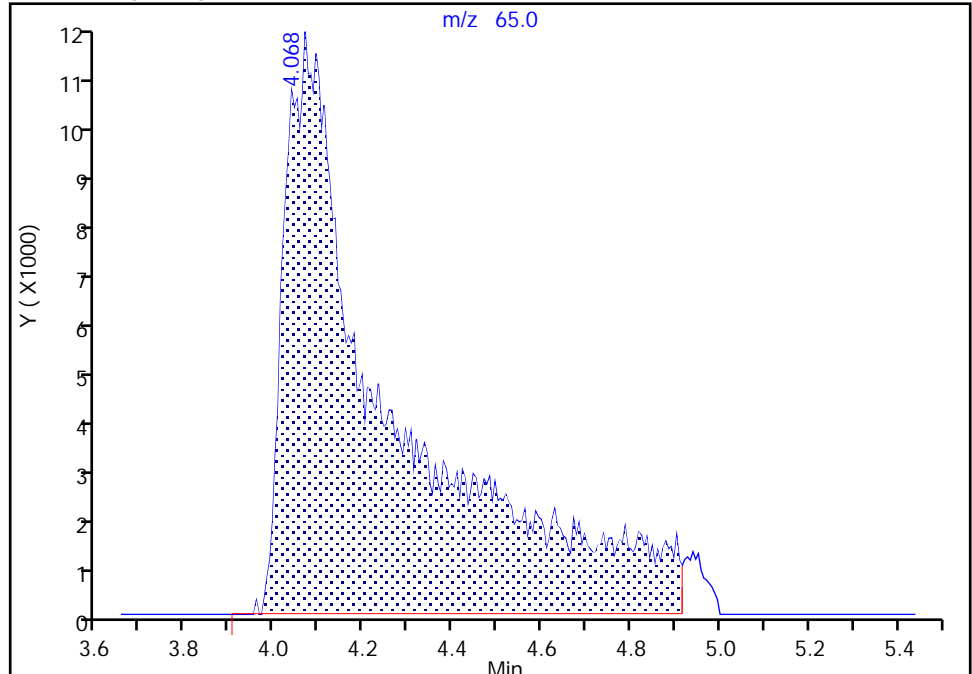
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X04.D
Injection Date: 12-Jun-2023 21:45:30 Instrument ID: 16334
Lims ID: IC std3sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2
Signal: 1

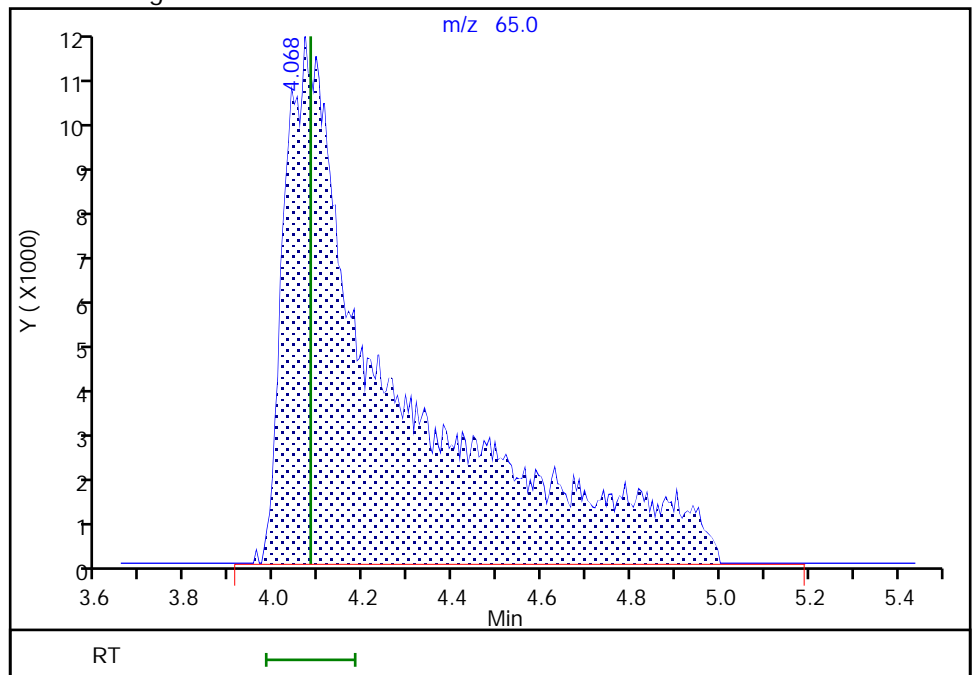
RT: 4.07
Area: 189881
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 4.07
Area: 193862
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 08:45:40 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

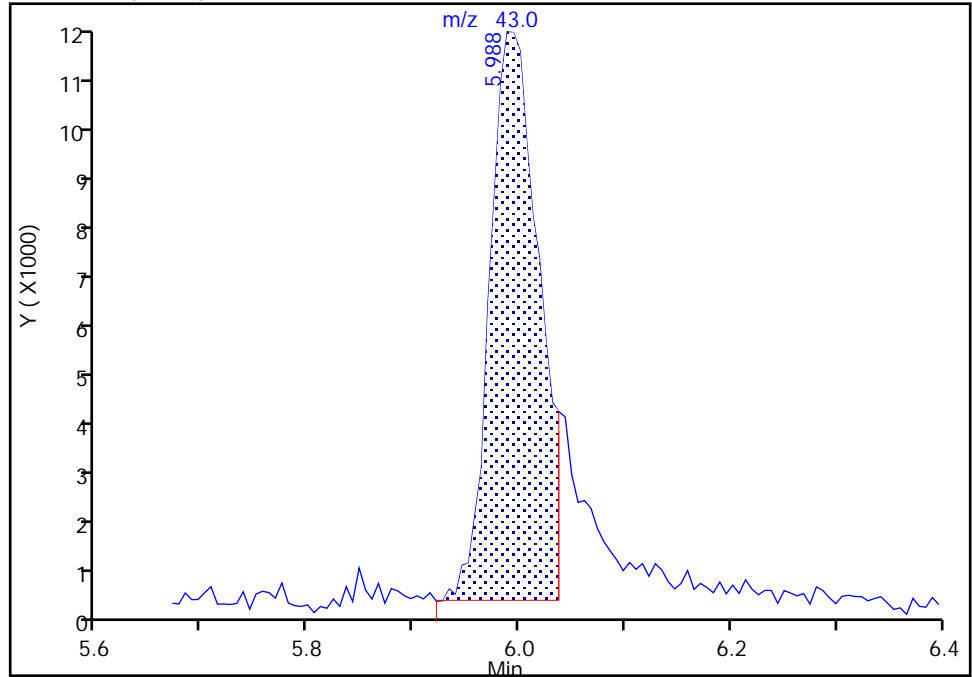
Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X04.D
Injection Date: 12-Jun-2023 21:45:30 Instrument ID: 16334
Lims ID: IC std3sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

44 Ethyl acetate, CAS: 141-78-6

Signal: 1

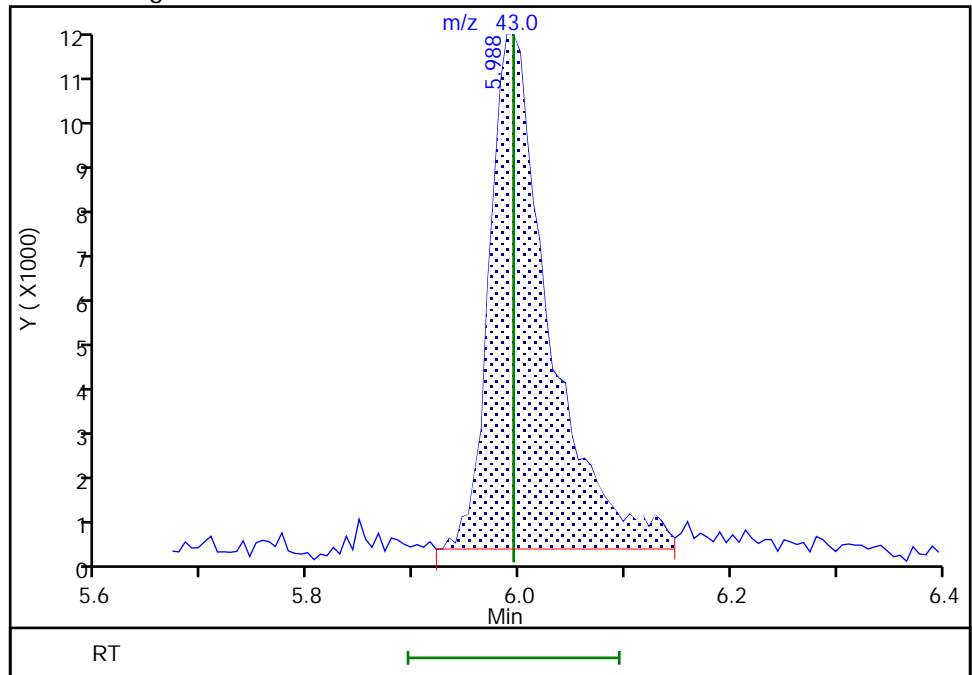
RT: 5.99
Area: 36728
Amount: 0.801378
Amount Units: ug/l

Processing Integration Results



RT: 5.99
Area: 44808
Amount: 0.949771
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 14-Jun-2023 14:29:42 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X05.D
 Lims ID: IC std4sm
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 12-Jun-2023 22:08:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086386-006
 Misc. Info.: IC STD4 SM
 Operator ID: gaw91131 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub40

Method: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 14-Jun-2023 15:47:43 Calib Date: 13-Jun-2023 02:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1669

First Level Reviewer: DVW2

Date: 13-Jun-2023 08:46:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.849	1.849	0.000	95	88382	2.00	1.90	
3 Chlorodifluoromethane	51	1.904	1.904	0.000	97	193150	2.00	1.85	
4 Dimethyl ether	45	1.971	1.971	0.000	99	226757	2.00	1.98	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.276	2.276	0.000	75	180729	2.00	1.91	
26 Acetonitrile	41	3.873	3.873	0.000	21	48220	10.0	10.7	M
* 30 t-Butyl alcohol-d10 (IS)	65	4.099	4.099	0.000	27	177349	50.0	50.0	M
36 Vinyl acetate	43	5.098	5.098	0.000	97	226729	2.00	1.79	
44 Ethyl acetate	43	5.995	5.995	0.000	99	76173	2.00	1.64	
62 Isopropyl acetate	43	7.226	7.226	0.000	98	189656	2.00	1.81	
* 64 Fluorobenzene (IS)	96	7.543	7.543	0.000	99	2966834	10.0	10.0	
75 n-Propyl acetate	61	8.537	8.537	0.000	99	38581	2.00	1.69	
78 2-Chloroethyl vinyl ether	63	9.079	9.079	0.000	92	66214	2.00	1.87	
111 n-Butyl acetate	43	10.481	10.481	0.000	98	170140	2.00	1.81	
* 114 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	86	2236382	10.0	10.0	
125 cis-1,4-Dichloro-2-butene	88	11.975	11.975	0.000	98	58654	4.00	3.22	
126 Cyclohexanone	55	12.012	12.012	0.000	91	151229	100.0	107.8	
* 142 1,4-Dichlorobenzene-d4	152	12.950	12.950	0.000	95	1221499	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_CYC_00005	Amount Added: 8.00	Units: uL
MSV_DME_00046	Amount Added: 1.00	Units: uL
MSV_V_SMRV4_00059	Amount Added: 5.00	Units: uL
MSV_CCV_V5ACE_00025	Amount Added: 1.00	Units: uL
MSV_HP29_ISO_00002	Amount Added: 1.00	Units: uL

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X05.D

Injection Date: 12-Jun-2023 22:08:30

Instrument ID: 16334

Operator ID: gaw91131

Lims ID: IC std4sm

Worklist Smp#: 6

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

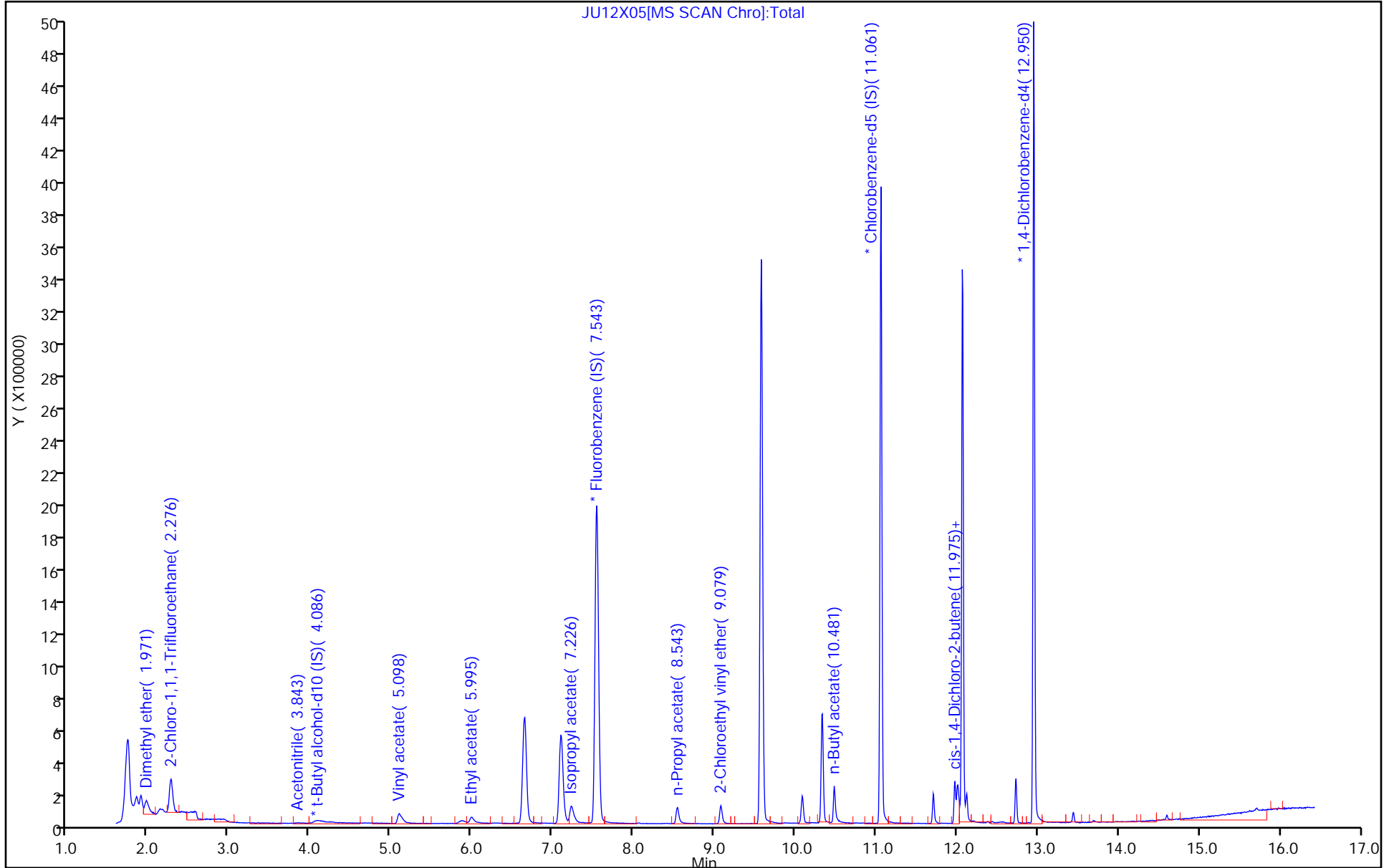
ALS Bottle#: 5

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

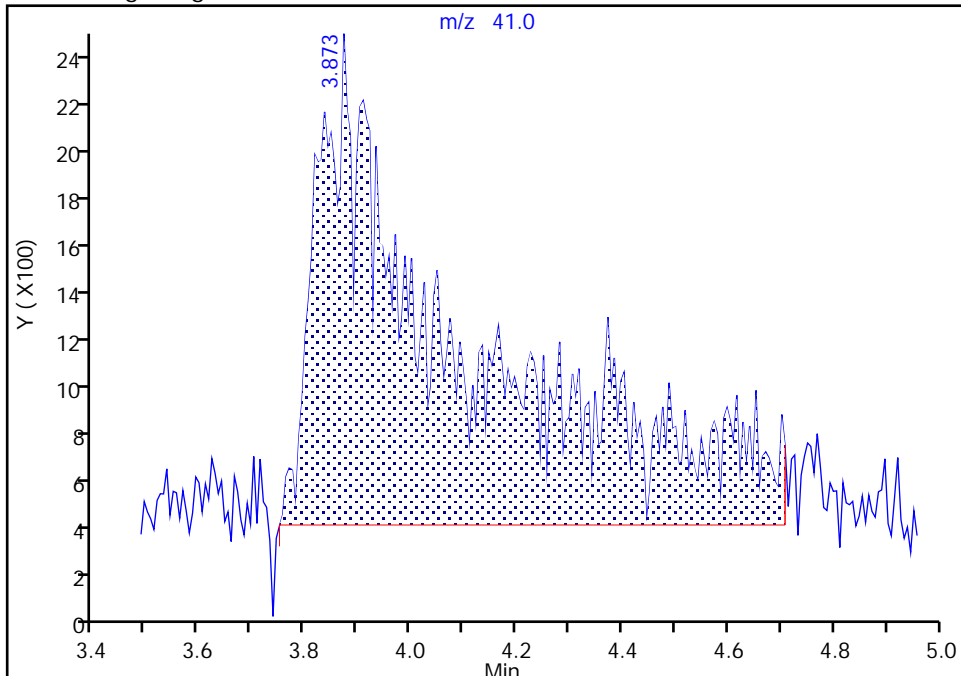
Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.bJU12X05.D
Injection Date: 12-Jun-2023 22:08:30 Instrument ID: 16334
Lims ID: IC std4sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

26 Acetonitrile, CAS: 75-05-8

Signal: 1

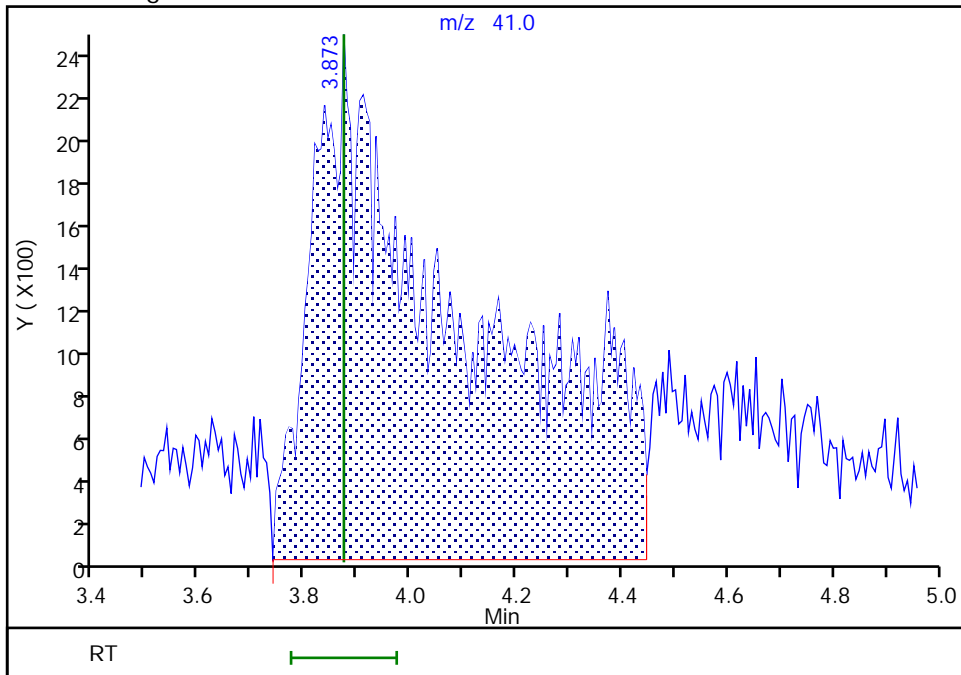
RT: 3.87
Area: 37564
Amount: 8.749393
Amount Units: ug/l

Processing Integration Results



RT: 3.87
Area: 48220
Amount: 10.665898
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 08:46:20 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

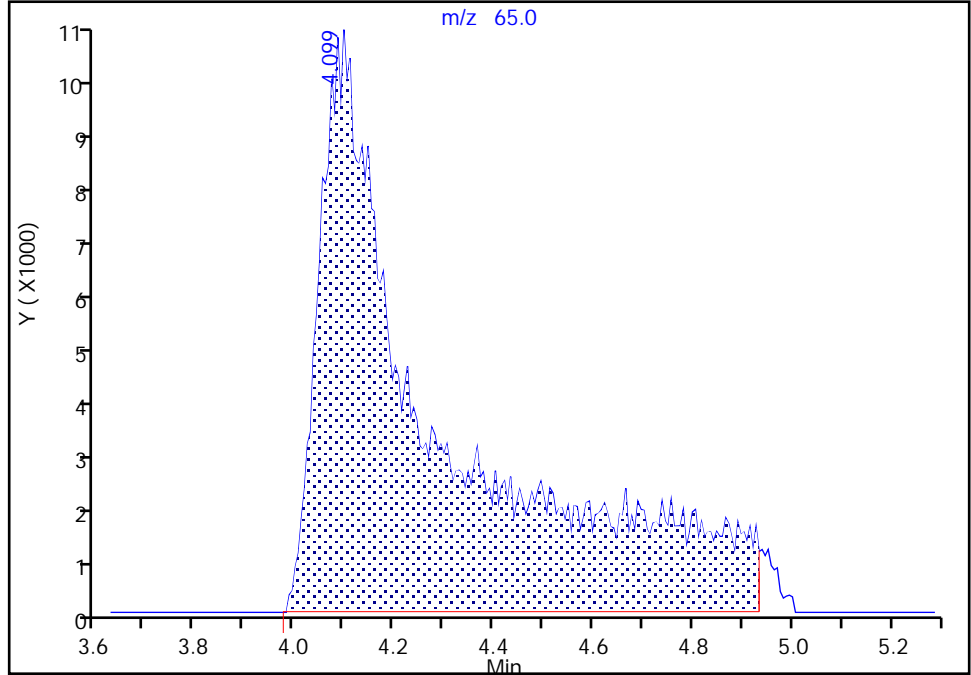
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X05.D
Injection Date: 12-Jun-2023 22:08:30 Instrument ID: 16334
Lims ID: IC std4sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2
Signal: 1

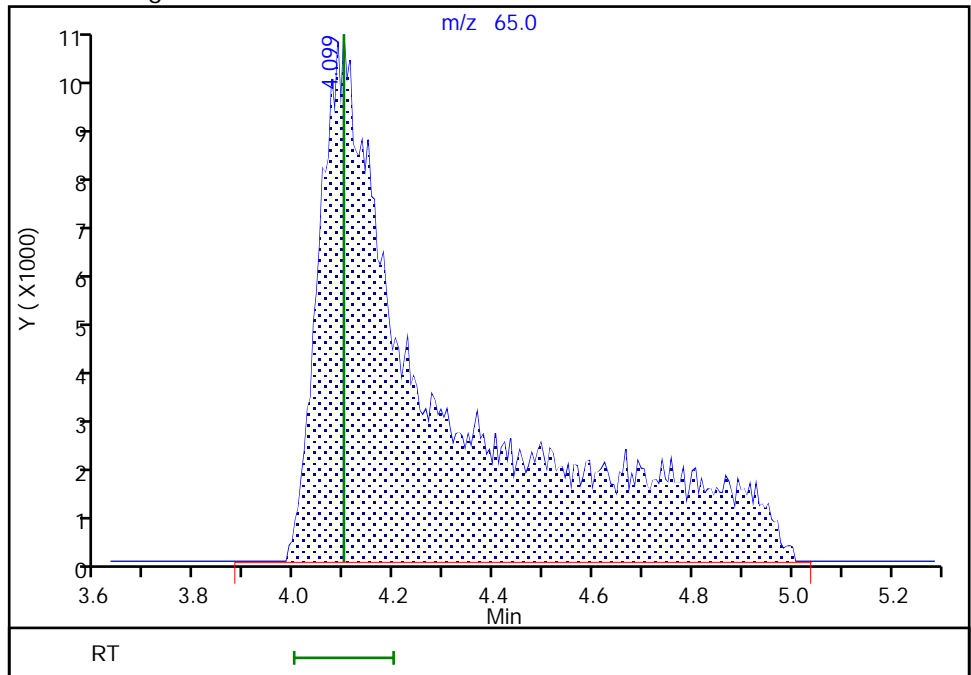
RT: 4.10
Area: 174643
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 4.10
Area: 177349
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 14-Jun-2023 07:53:34 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X06.D
 Lims ID: IC std5sm
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 12-Jun-2023 22:30:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086386-007
 Misc. Info.: IC STD5 SM
 Operator ID: gaw91131 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub40

Method: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 14-Jun-2023 15:47:45 Calib Date: 13-Jun-2023 02:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1669

First Level Reviewer: DVW2

Date: 13-Jun-2023 08:47:00

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	1.849	0.006	94	222886	5.00	6.00	
3 Chlorodifluoromethane	51	1.904	1.904	0.000	97	494819	5.00	5.92	
4 Dimethyl ether	45	1.971	1.971	0.000	99	569584	5.00	6.21	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.276	2.276	0.000	34	459145	5.00	6.08	
26 Acetonitrile	41	3.842	3.873	-0.031	97	72465	25.0	25.4	M
* 30 t-Butyl alcohol-d10 (IS)	65	4.092	4.099	-0.007	27	111875	50.0	50.0	M
36 Vinyl acetate	43	5.104	5.098	0.006	97	580159	5.00	5.72	
44 Ethyl acetate	43	5.988	5.995	-0.007	99	210513	5.00	5.68	
62 Isopropyl acetate	43	7.232	7.226	0.006	98	475621	5.00	5.69	
* 64 Fluorobenzene (IS)	96	7.543	7.543	0.000	99	2370111	10.0	10.0	
75 n-Propyl acetate	61	8.537	8.537	0.000	99	107491	5.00	5.91	
78 2-Chloroethyl vinyl ether	63	9.079	9.079	0.000	92	171604	5.00	6.07	
111 n-Butyl acetate	43	10.481	10.481	0.000	98	433294	5.00	5.73	
* 114 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	86	1800459	10.0	10.0	
125 cis-1,4-Dichloro-2-butene	88	11.975	11.975	0.000	98	170462	10.0	11.6	
126 Cyclohexanone	55	12.012	12.012	0.000	92	256357	250.0	289.8	
* 142 1,4-Dichlorobenzene-d4	152	12.950	12.950	0.000	95	983472	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_CYC_00005	Amount Added: 8.00	Units: uL
MSV_DME_00046	Amount Added: 1.00	Units: uL
MSV_V_SMRV4_00059	Amount Added: 5.00	Units: uL
MSV_CCV_V5ACE_00025	Amount Added: 1.00	Units: uL
MSV_HP29_ISO_00002	Amount Added: 1.00	Units: uL

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X06.D

Injection Date: 12-Jun-2023 22:30:30

Instrument ID: 16334

Operator ID: gaw91131

Lims ID: IC std5sm

Worklist Smp#: 7

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

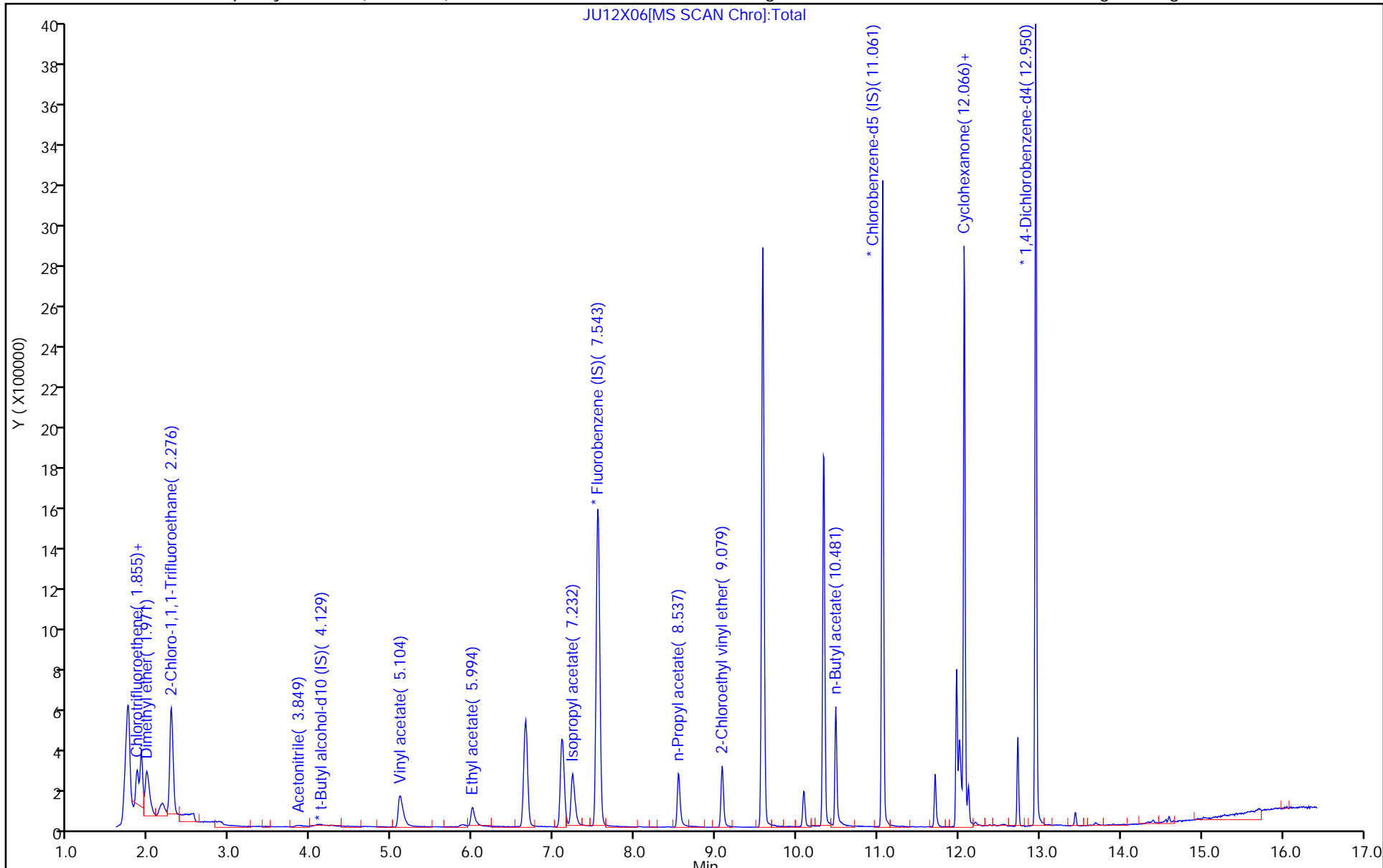
ALS Bottle#: 6

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Euofins Lancaster Laboratories Environment Testing, LLC

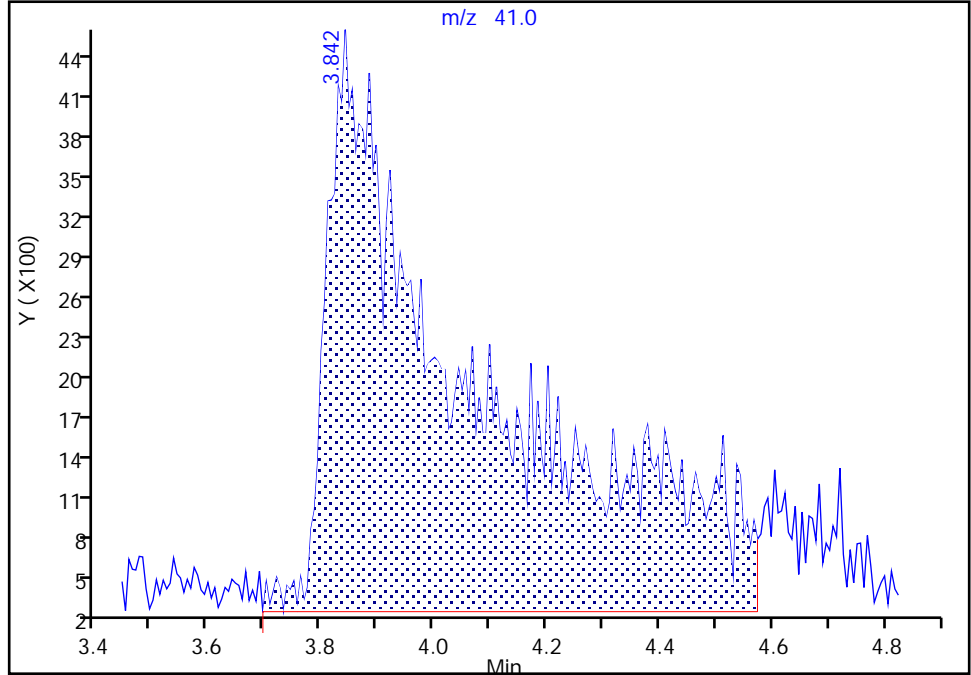
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Injection Date: 12-Jun-2023 22:30:30 Instrument ID: 16334
Lims ID: IC std5sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

26 Acetonitrile, CAS: 75-05-8

Signal: 1

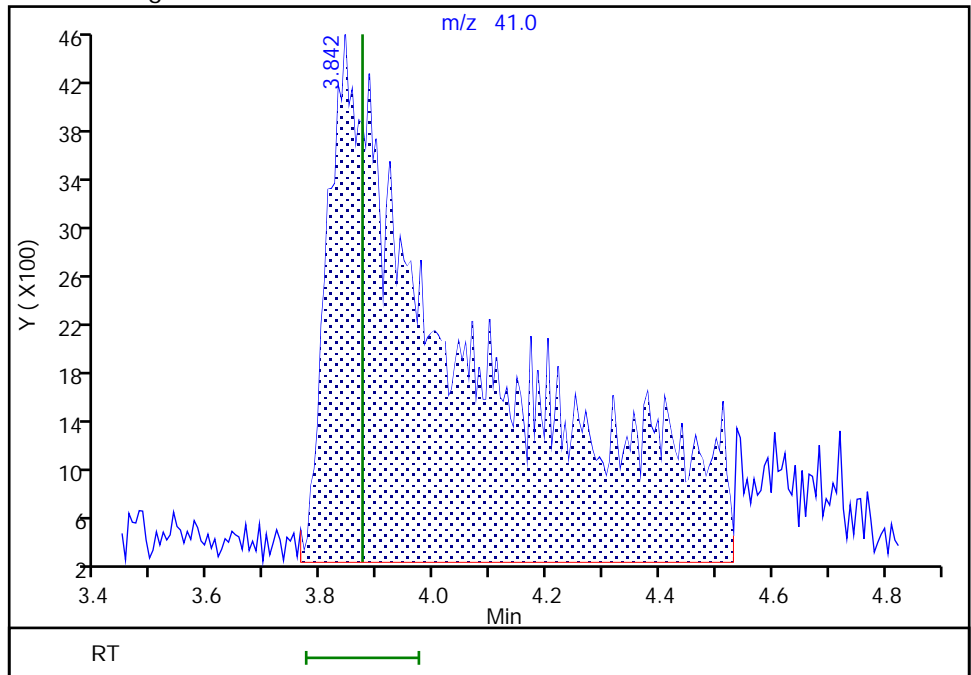
RT: 3.84
Area: 74812
Amount: 25.691045
Amount Units: ug/l

Processing Integration Results



RT: 3.84
Area: 72465
Amount: 25.409388
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 08:46:45 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

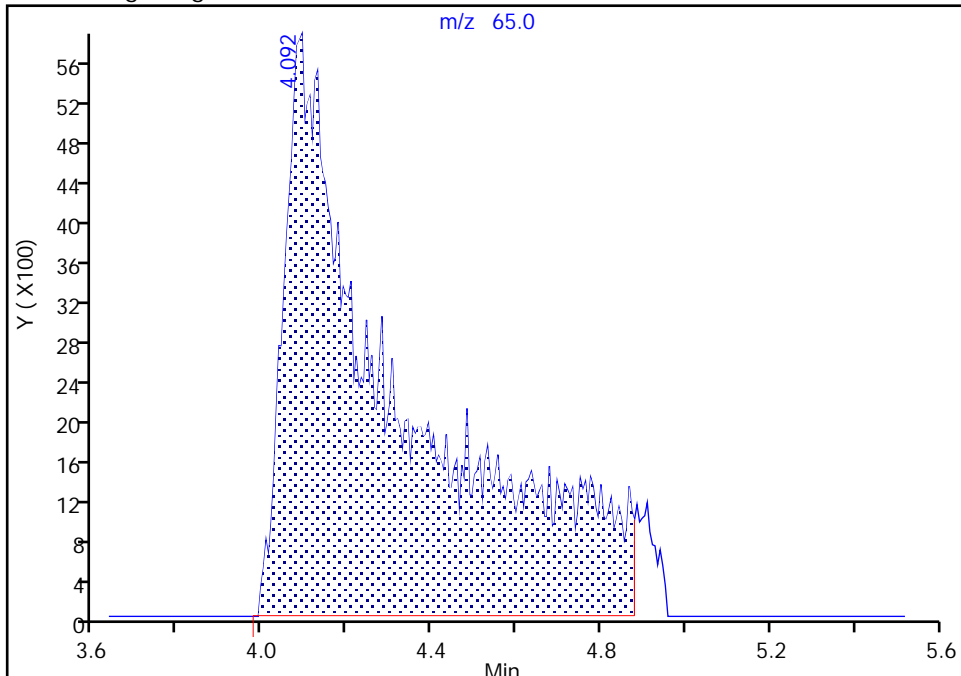
Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X06.D
Injection Date: 12-Jun-2023 22:30:30 Instrument ID: 16334
Lims ID: IC std5sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

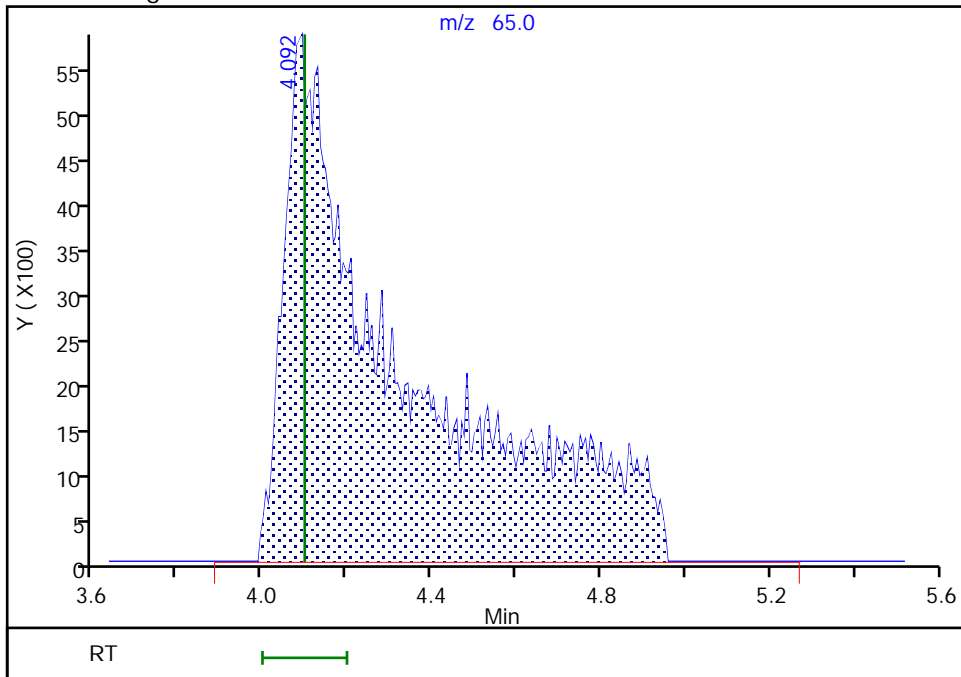
RT: 4.09
Area: 108394
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 4.09
Area: 111875
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X07.D
 Lims ID: IC std6sm
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 12-Jun-2023 22:52:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086386-008
 Misc. Info.: IC STD6 SM
 Operator ID: gaw91131 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub40

Method: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 14-Jun-2023 15:47:48 Calib Date: 13-Jun-2023 02:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1669

First Level Reviewer: DVW2

Date: 13-Jun-2023 08:47:22

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	447049	10.0	9.75	
3 Chlorodifluoromethane	51	1.916	1.916	0.000	97	954345	10.0	9.26	
4 Dimethyl ether	45	1.983	1.983	0.000	99	1185545	10.0	10.5	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.288	2.288	0.000	34	872965	10.0	9.37	
26 Acetonitrile	41	3.855	3.855	0.000	99	171062	50.0	43.6	M
* 30 t-Butyl alcohol-d10 (IS)	65	4.098	4.098	0.000	21	154062	50.0	50.0	M
36 Vinyl acetate	43	5.104	5.104	0.000	97	1273112	10.0	10.2	
44 Ethyl acetate	43	5.994	5.994	0.000	99	505154	10.0	11.0	
62 Isopropyl acetate	43	7.232	7.232	0.000	98	1068051	10.0	10.4	
* 64 Fluorobenzene (IS)	96	7.549	7.549	0.000	99	2923540	10.0	10.0	
75 n-Propyl acetate	61	8.537	8.537	0.000	98	243254	10.0	10.8	
78 2-Chloroethyl vinyl ether	63	9.079	9.079	0.000	92	354185	10.0	10.2	
111 n-Butyl acetate	43	10.481	10.481	0.000	98	1009224	10.0	10.7	
* 114 Chlorobenzene-d5 (IS)	117	11.060	11.060	0.000	85	2248884	10.0	10.0	
125 cis-1,4-Dichloro-2-butene	88	11.975	11.975	0.000	99	385896	20.0	18.4	
126 Cyclohexanone	55	12.011	12.011	0.000	91	633255	500.0	519.8	
* 142 1,4-Dichlorobenzene-d4	152	12.950	12.950	0.000	95	1211975	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_CYC_00005	Amount Added: 8.00	Units: uL
MSV_DME_00046	Amount Added: 1.00	Units: uL
MSV_V_SMRV4_00059	Amount Added: 5.00	Units: uL
MSV_CCV_V5ACE_00025	Amount Added: 1.00	Units: uL
MSV_HP29_ISO_00002	Amount Added: 1.00	Units: uL

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X07.D

Injection Date: 12-Jun-2023 22:52:30

Instrument ID: 16334

Operator ID: gaw91131

Lims ID: IC std6sm

Worklist Smp#: 8

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

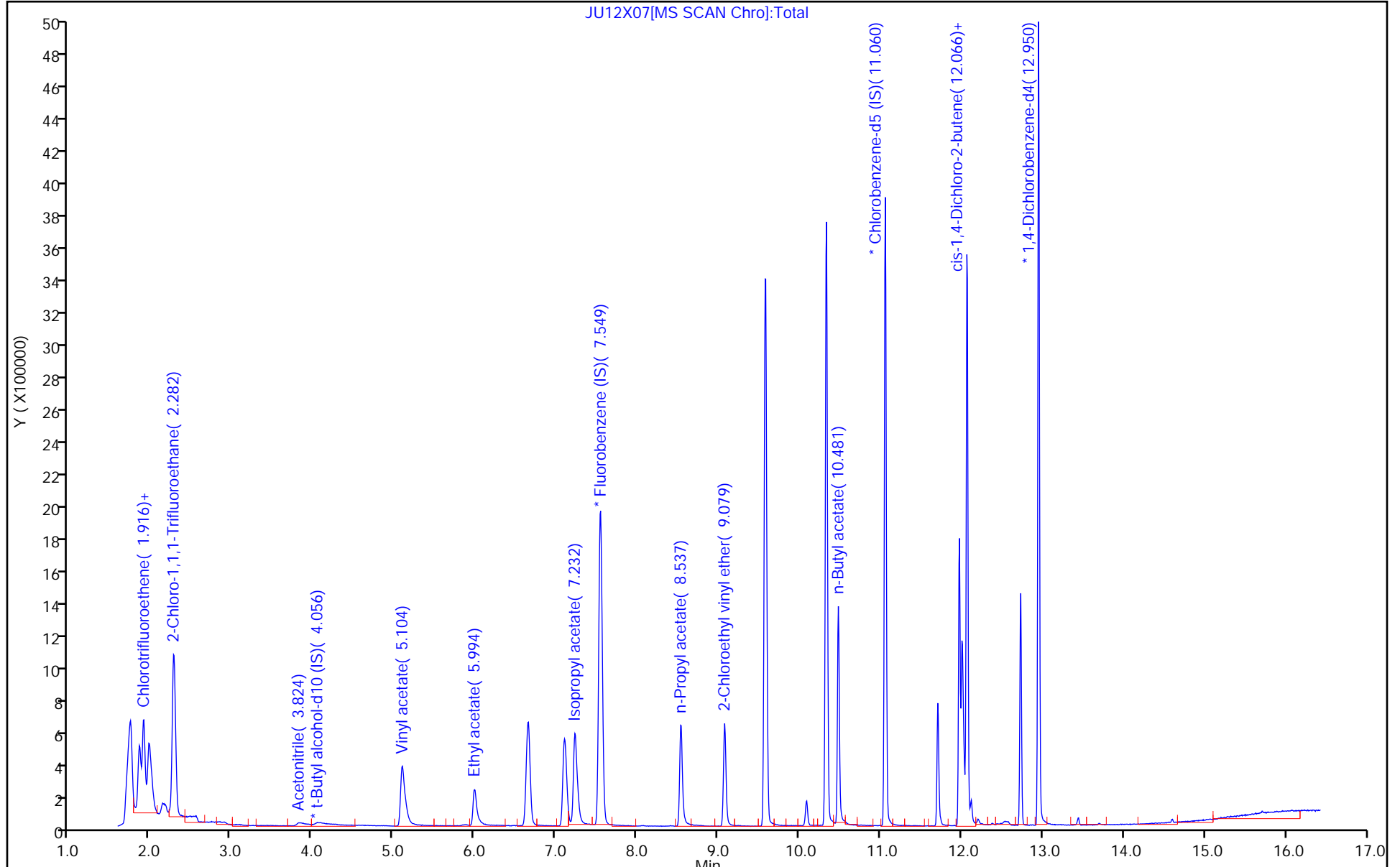
ALS Bottle#: 7

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Euofins Lancaster Laboratories Environment Testing, LLC

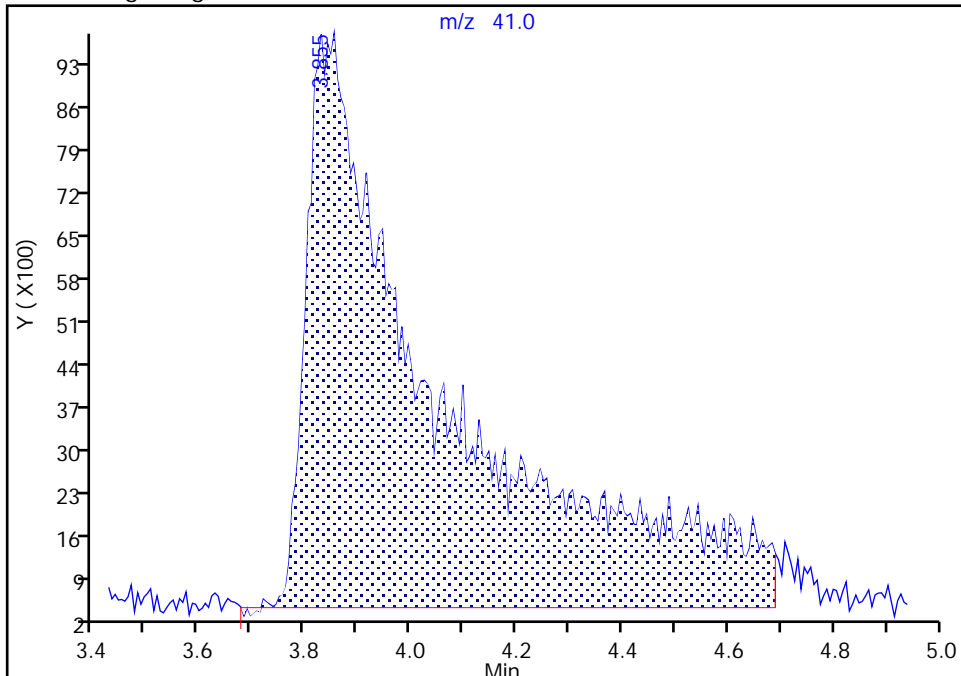
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Injection Date: 12-Jun-2023 22:52:30 Instrument ID: 16334
Lims ID: IC std6sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

26 Acetonitrile, CAS: 75-05-8

Signal: 1

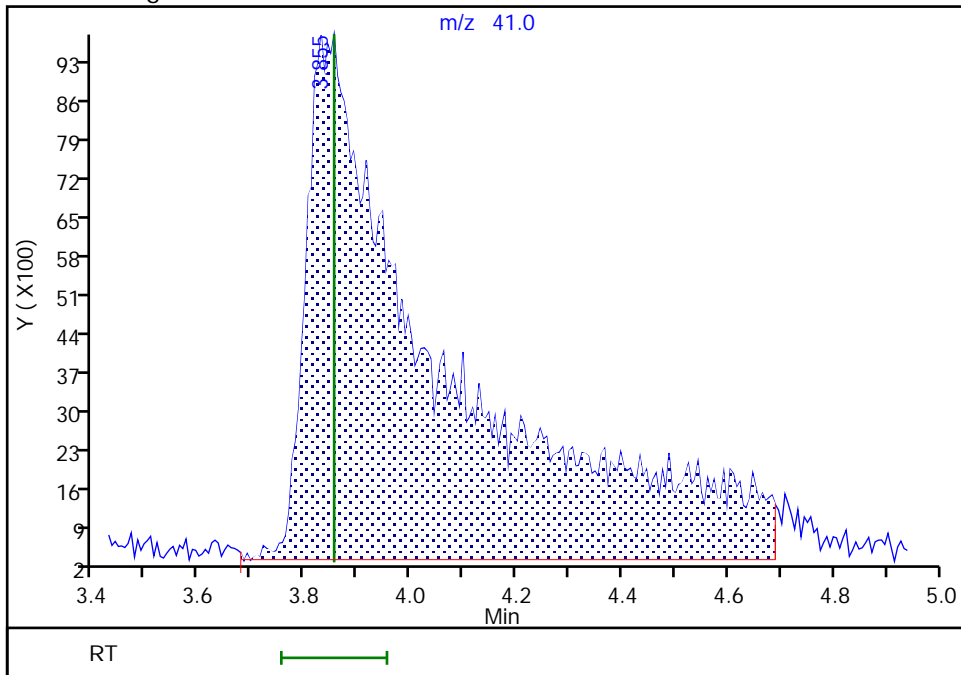
RT: 3.85
Area: 162266
Amount: 42.527740
Amount Units: ug/l

Processing Integration Results



RT: 3.85
Area: 171062
Amount: 43.556900
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 08:47:15 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

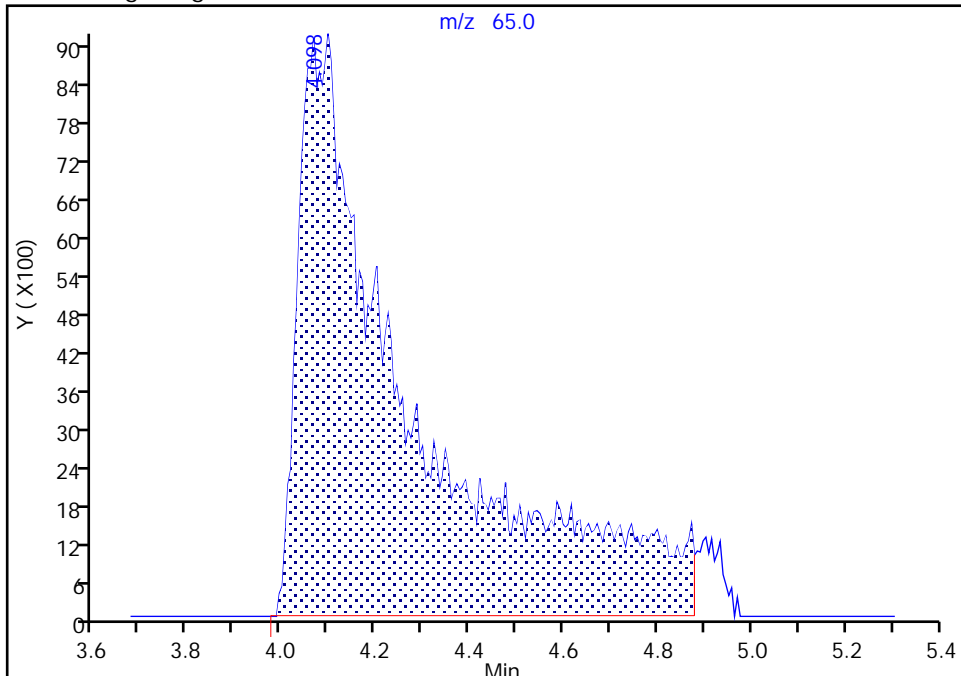
Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X07.D
Injection Date: 12-Jun-2023 22:52:30 Instrument ID: 16334
Lims ID: IC std6sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

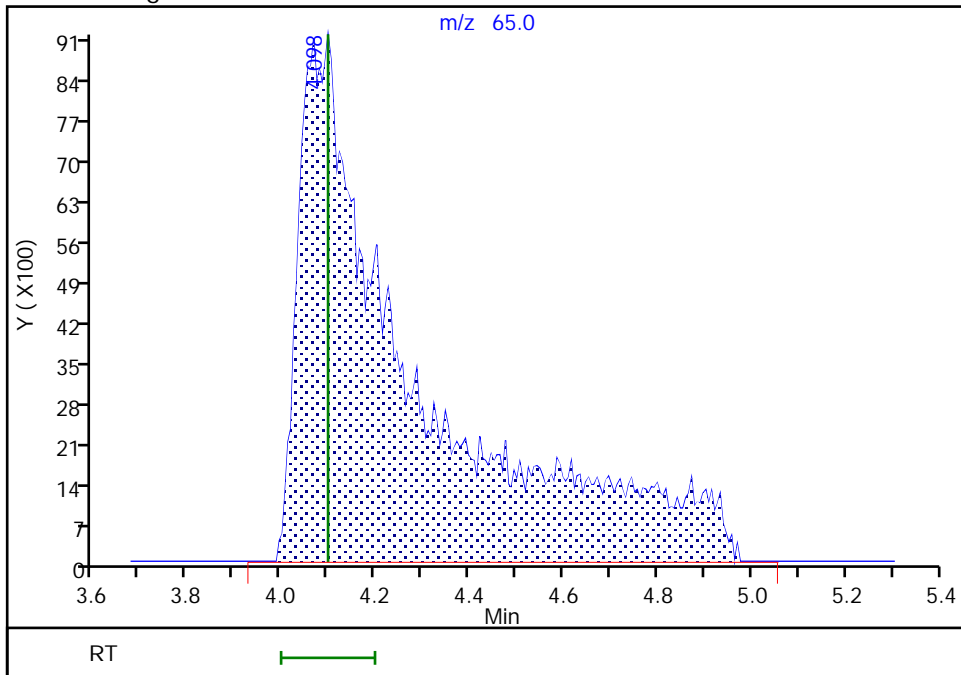
RT: 4.10
Area: 149699
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 4.10
Area: 154062
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 14-Jun-2023 07:53:47 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X08.D
 Lims ID: IC std7sm
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 12-Jun-2023 23:14:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086386-009
 Misc. Info.: IC STD7 SM
 Operator ID: gaw91131 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub40

Method: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 14-Jun-2023 15:47:50 Calib Date: 13-Jun-2023 02:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1669

First Level Reviewer: DVW2

Date: 13-Jun-2023 08:47:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.861	1.861	0.000	93	1247394	25.0	26.8	
3 Chlorodifluoromethane	51	1.916	1.916	0.000	97	2575317	25.0	24.6	
4 Dimethyl ether	45	1.983	1.983	0.000	99	2819718	25.0	24.5	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.282	2.288	-0.006	36	2346933	25.0	24.8	
26 Acetonitrile	41	3.836	3.855	-0.019	99	452849	125.0	103.8	M
* 30 t-Butyl alcohol-d10 (IS)	65	4.092	4.098	-0.006	26	171110	50.0	50.0	M
36 Vinyl acetate	43	5.098	5.104	-0.006	97	3263040	25.0	25.7	
44 Ethyl acetate	43	5.988	5.994	-0.006	99	1238401	25.0	26.7	
62 Isopropyl acetate	43	7.232	7.232	0.000	98	2722078	25.0	26.0	
* 64 Fluorobenzene (IS)	96	7.543	7.549	-0.006	99	2969265	10.0	10.0	
75 n-Propyl acetate	61	8.537	8.537	0.000	98	625848	25.0	27.5	
78 2-Chloroethyl vinyl ether	63	9.079	9.079	0.000	92	969430	25.0	27.4	
111 n-Butyl acetate	43	10.481	10.481	0.000	98	2617684	25.0	27.2	
* 114 Chlorobenzene-d5 (IS)	117	11.061	11.060	0.001	85	2289268	10.0	10.0	
125 cis-1,4-Dichloro-2-butene	88	11.975	11.975	0.000	99	1209480	50.0	50.4	
126 Cyclohexanone	55	12.005	12.011	-0.006	92	1608018	1250.0	1188.4	
* 142 1,4-Dichlorobenzene-d4	152	12.950	12.950	0.000	95	1249839	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_CYC_00005	Amount Added: 20.00	Units: uL
MSV_DME_00046	Amount Added: 2.50	Units: uL
MSV_V_SMRV4_00059	Amount Added: 12.50	Units: uL
MSV_CCV_V5ACE_00025	Amount Added: 2.50	Units: uL
MSV_HP29_ISO_00002	Amount Added: 1.00	Units: uL

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X08.D

Injection Date: 12-Jun-2023 23:14:30

Instrument ID: 16334

Operator ID: gaw91131

Lims ID: IC std7sm

Worklist Smp#: 9

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

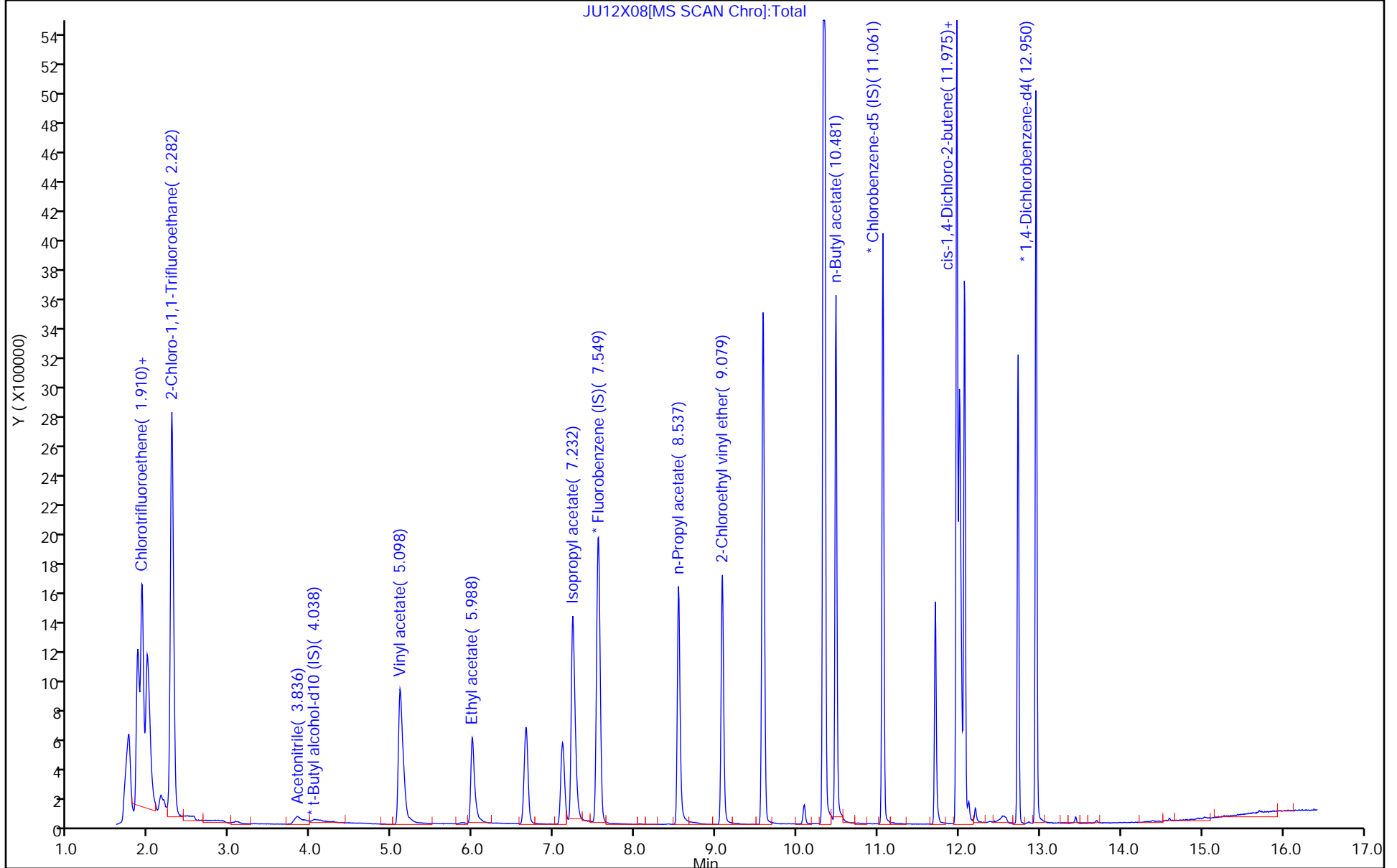
ALS Bottle#: 8

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

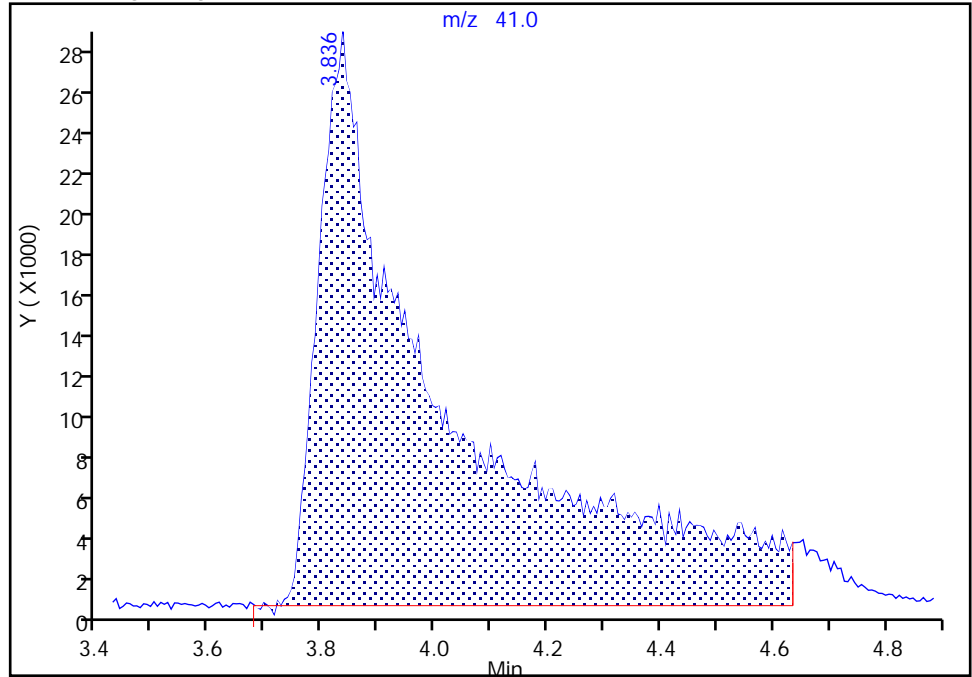
Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X08.D
Injection Date: 12-Jun-2023 23:14:30 Instrument ID: 16334
Lims ID: IC std7sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

26 Acetonitrile, CAS: 75-05-8

Signal: 1

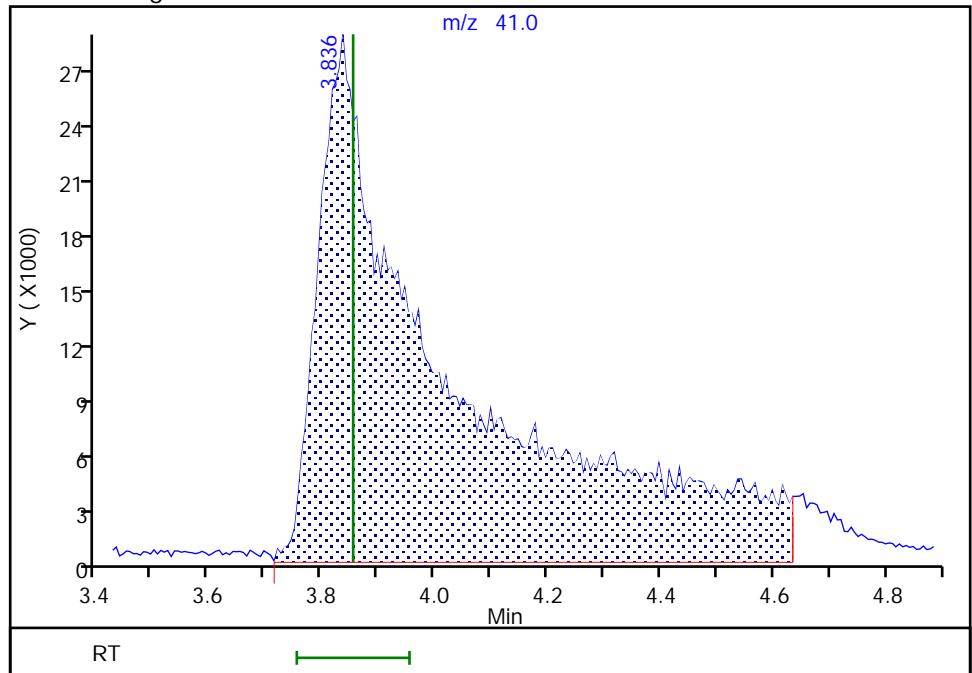
RT: 3.84
Area: 425991
Amount: 100.9458
Amount Units: ug/l

Processing Integration Results



RT: 3.84
Area: 452849
Amount: 103.8190
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 14-Jun-2023 15:22:14 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Other

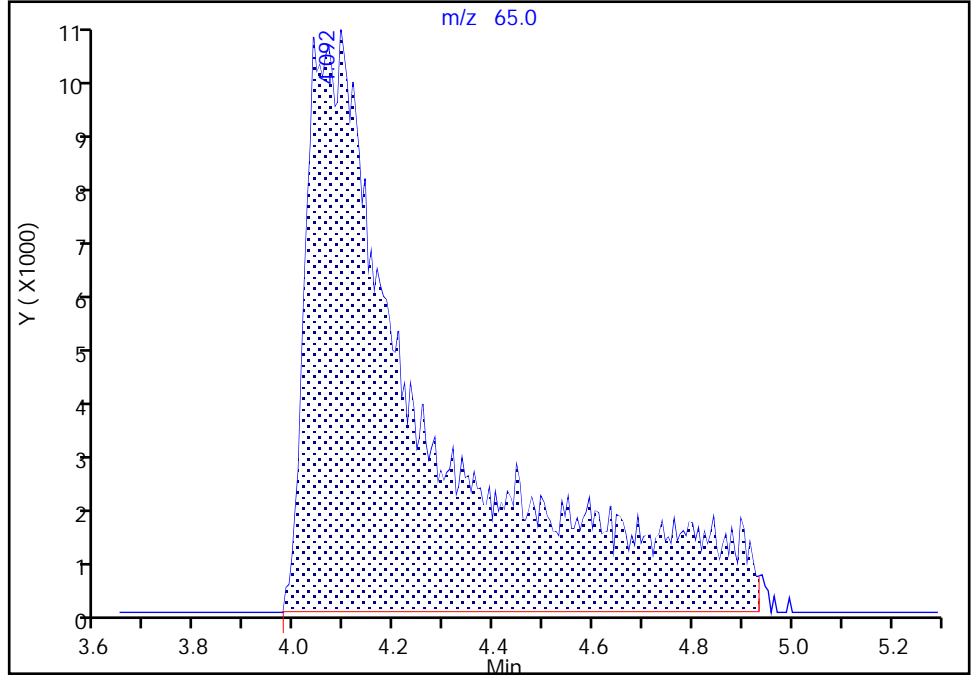
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X08.D
Injection Date: 12-Jun-2023 23:14:30 Instrument ID: 16334
Lims ID: IC std7sm
Client ID:
Operator ID: gaw91131 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2
Signal: 1

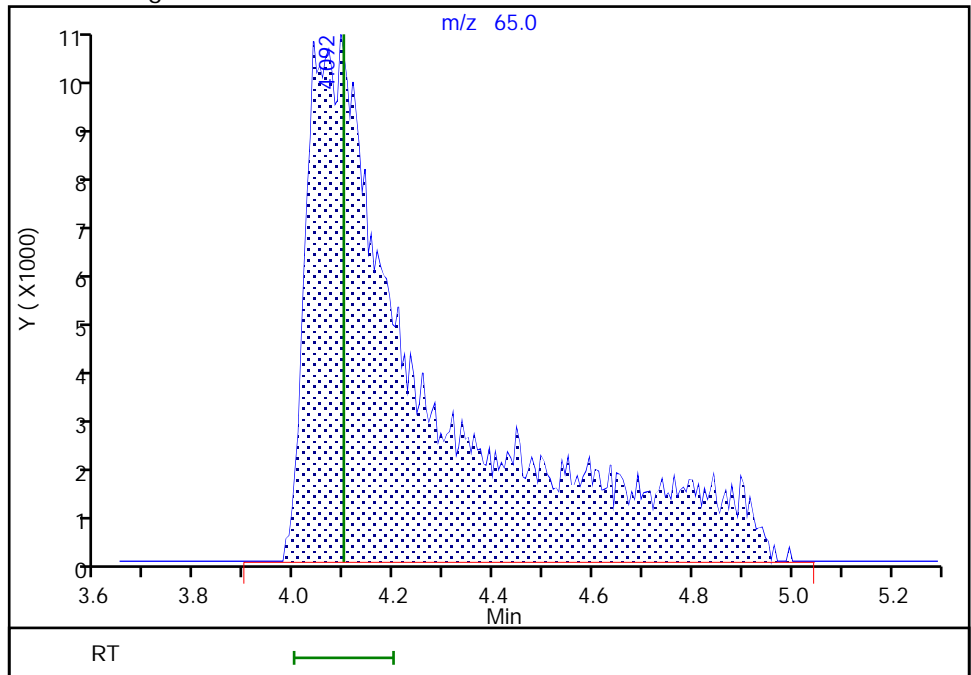
RT: 4.09
Area: 170369
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 4.09
Area: 171110
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 14-Jun-2023 07:53:57 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Calibration

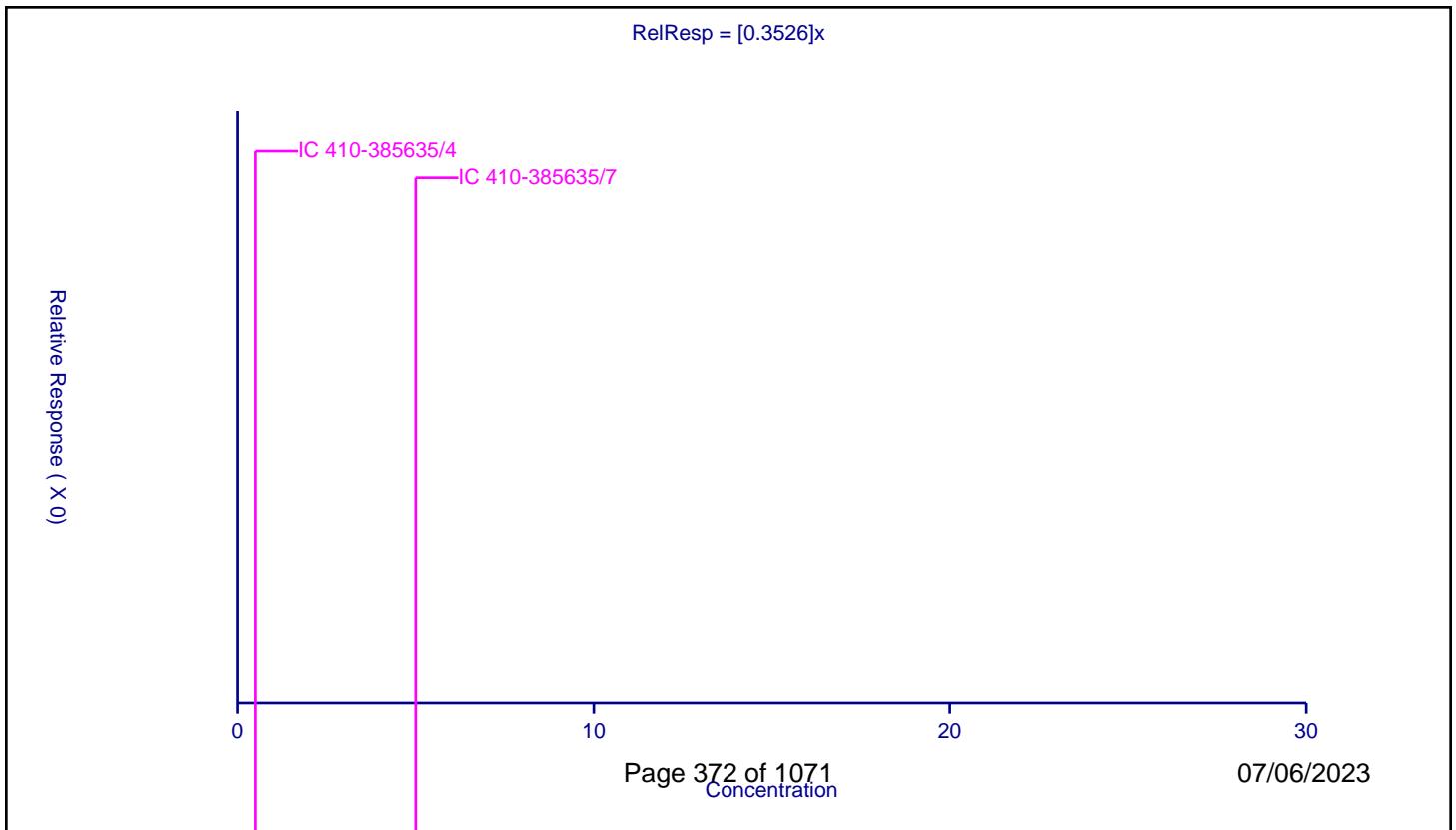
/ Chlorodifluoromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3526

Error Coefficients	
Standard Error:	1250000
Relative Standard Error:	11.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/3	0.2	NaN	10.0	0.0	NaN	N
2	IC 410-385635/4	0.5	0.191571	10.0	2991000.0	0.383143	Y
3	IC 410-385635/5	1.0	0.315791	10.0	3016674.0	0.315791	Y
4	IC 410-385635/6	2.0	0.651031	10.0	2966834.0	0.325515	Y
5	IC 410-385635/7	5.0	2.087746	10.0	2370111.0	0.417549	Y
6	IC 410-385635/8	10.0	3.264347	10.0	2923540.0	0.326435	Y
7	IC 410-385635/9	25.0	8.673247	10.0	2969265.0	0.34693	Y



Calibration

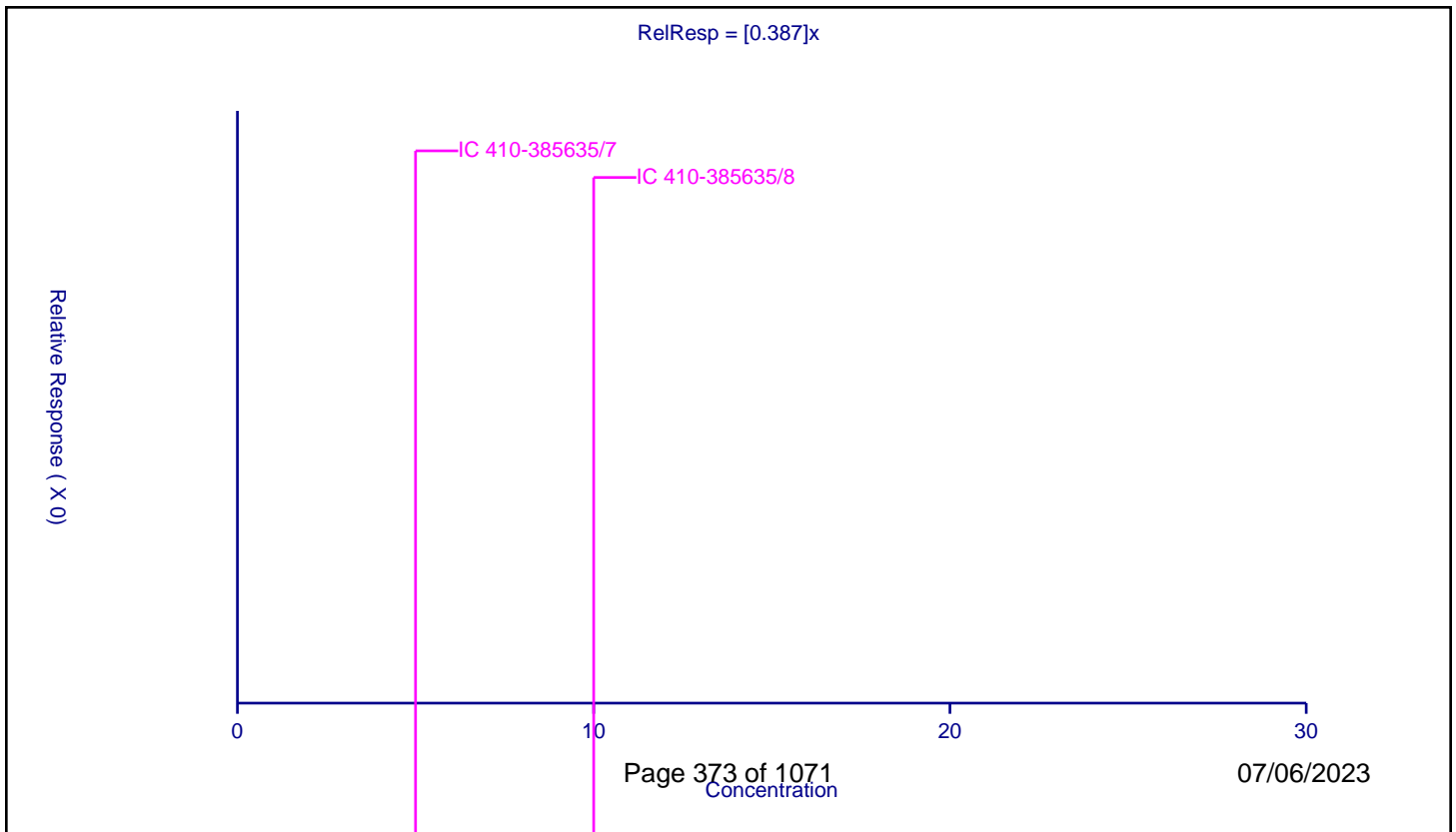
/ Dimethyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.387

Error Coefficients	
Standard Error:	1400000
Relative Standard Error:	14.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/3	0.2	NaN	10.0	0.0	NaN	N
2	IC 410-385635/4	0.5	0.157178	10.0	2991000.0	0.314356	Y
3	IC 410-385635/5	1.0	0.359213	10.0	3016674.0	0.359213	Y
4	IC 410-385635/6	2.0	0.764306	10.0	2966834.0	0.382153	Y
5	IC 410-385635/7	5.0	2.403195	10.0	2370111.0	0.480639	Y
6	IC 410-385635/8	10.0	4.055169	10.0	2923540.0	0.405517	Y
7	IC 410-385635/9	25.0	9.49635	10.0	2969265.0	0.379854	Y



Calibration

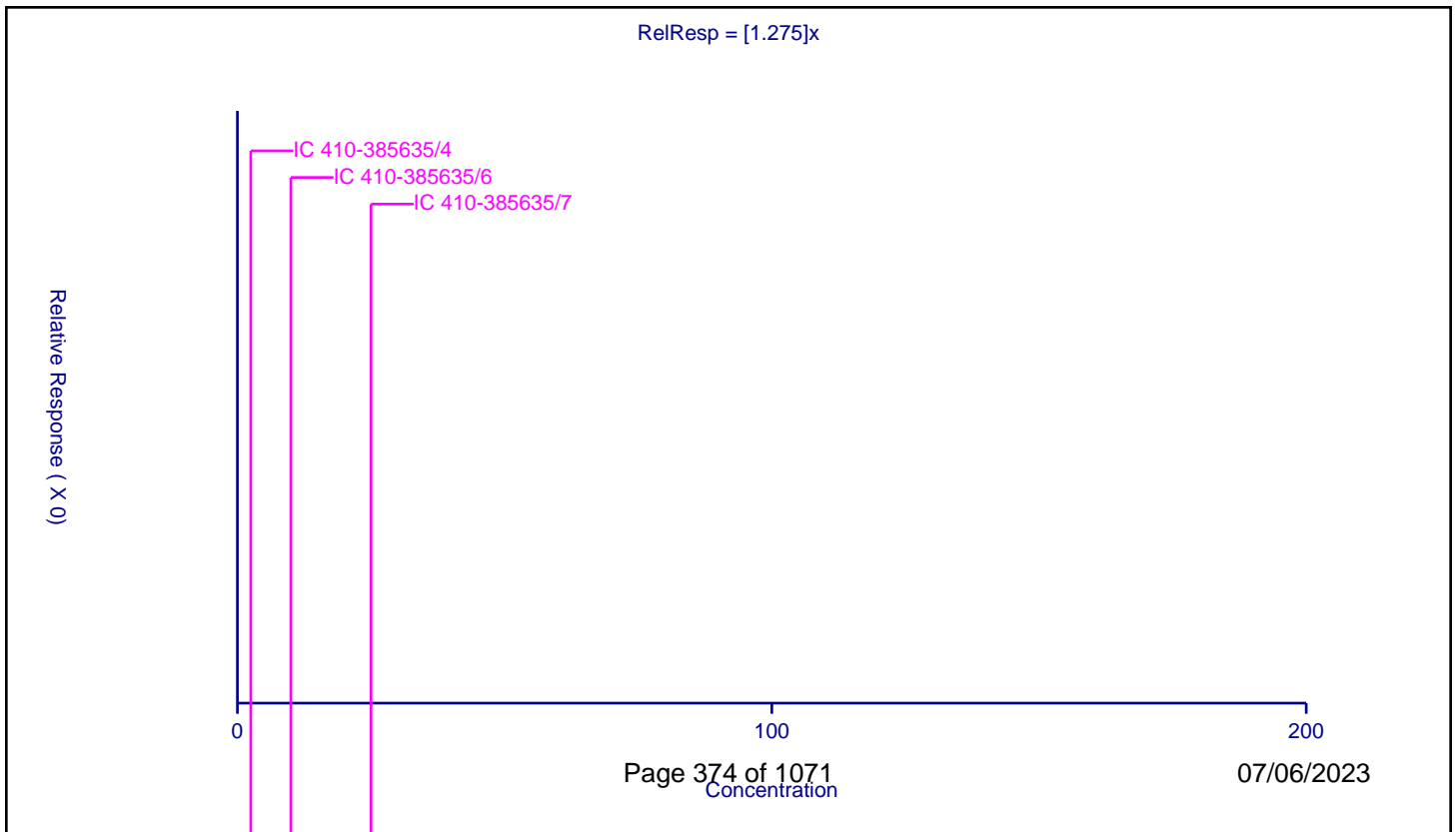
/ Acetonitrile

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

Curve Coefficients	
Intercept:	0
Slope:	1.275

Error Coefficients	
Standard Error:	220000
Relative Standard Error:	20.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.920

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/3	1.0	NaN	50.0	0.0	NaN	N
2	IC 410-385635/4	2.5	4.333756	50.0	150493.0	1.733503	Y
3	IC 410-385635/5	5.0	5.450785	50.0	193862.0	1.090157	Y
4	IC 410-385635/6	10.0	13.594664	50.0	177349.0	1.359466	Y
5	IC 410-385635/7	25.0	32.386592	50.0	111875.0	1.295464	Y
6	IC 410-385635/8	50.0	55.517259	50.0	154062.0	1.110345	Y
7	IC 410-385635/9	125.0	132.326866	50.0	171110.0	1.058615	Y



Calibration

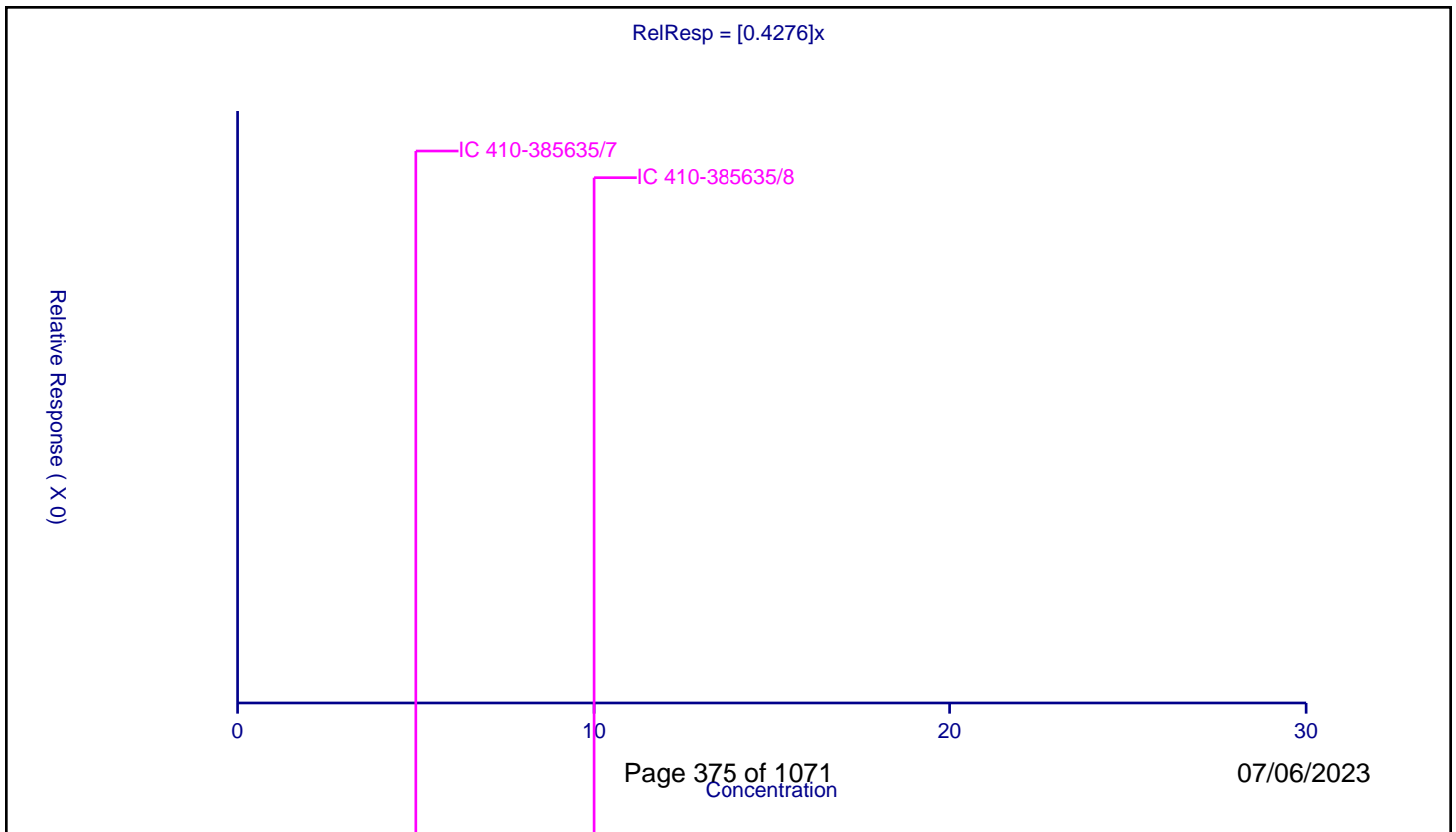
/ Vinyl acetate

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

Curve Coefficients	
Intercept:	0
Slope:	0.4276

Error Coefficients	
Standard Error:	1590000
Relative Standard Error:	8.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/3	0.2	NaN	10.0	0.0	NaN	N
2	IC 410-385635/4	0.5	0.207349	10.0	2991000.0	0.414697	Y
3	IC 410-385635/5	1.0	0.404177	10.0	3016674.0	0.404177	Y
4	IC 410-385635/6	2.0	0.764212	10.0	2966834.0	0.382106	Y
5	IC 410-385635/7	5.0	2.447814	10.0	2370111.0	0.489563	Y
6	IC 410-385635/8	10.0	4.354693	10.0	2923540.0	0.435469	Y
7	IC 410-385635/9	25.0	10.989386	10.0	2969265.0	0.439575	Y



Calibration

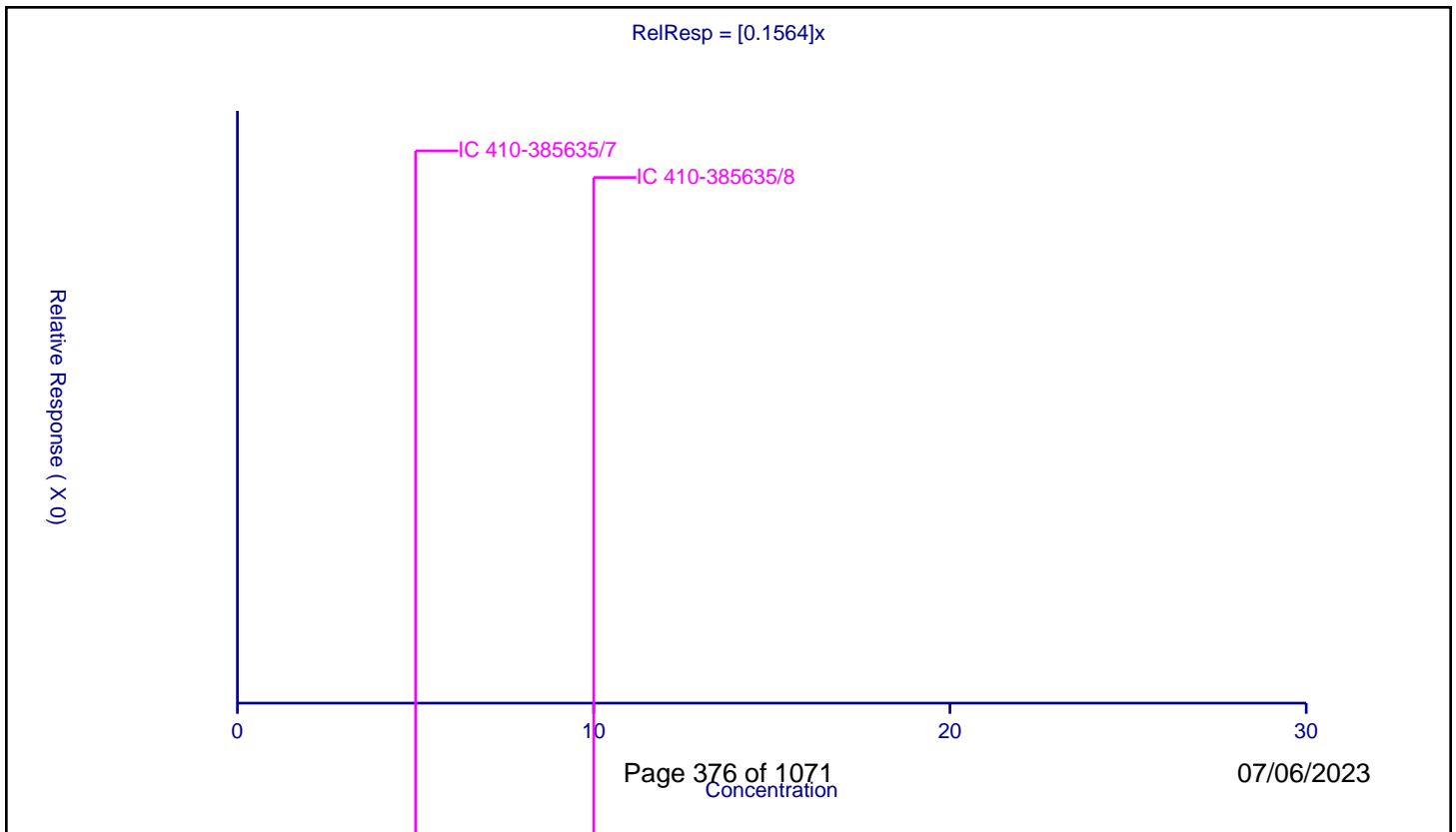
/ Ethyl acetate

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

Curve Coefficients	
Intercept:	0
Slope:	0.1564

Error Coefficients	
Standard Error:	607000
Relative Standard Error:	12.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/3	0.2	NaN	10.0	0.0	NaN	N
2	IC 410-385635/4	0.5	0.072086	10.0	2991000.0	0.144173	Y
3	IC 410-385635/5	1.0	0.148534	10.0	3016674.0	0.148534	Y
4	IC 410-385635/6	2.0	0.256748	10.0	2966834.0	0.128374	Y
5	IC 410-385635/7	5.0	0.888199	10.0	2370111.0	0.17764	Y
6	IC 410-385635/8	10.0	1.727885	10.0	2923540.0	0.172788	Y
7	IC 410-385635/9	25.0	4.170732	10.0	2969265.0	0.166829	Y



Calibration

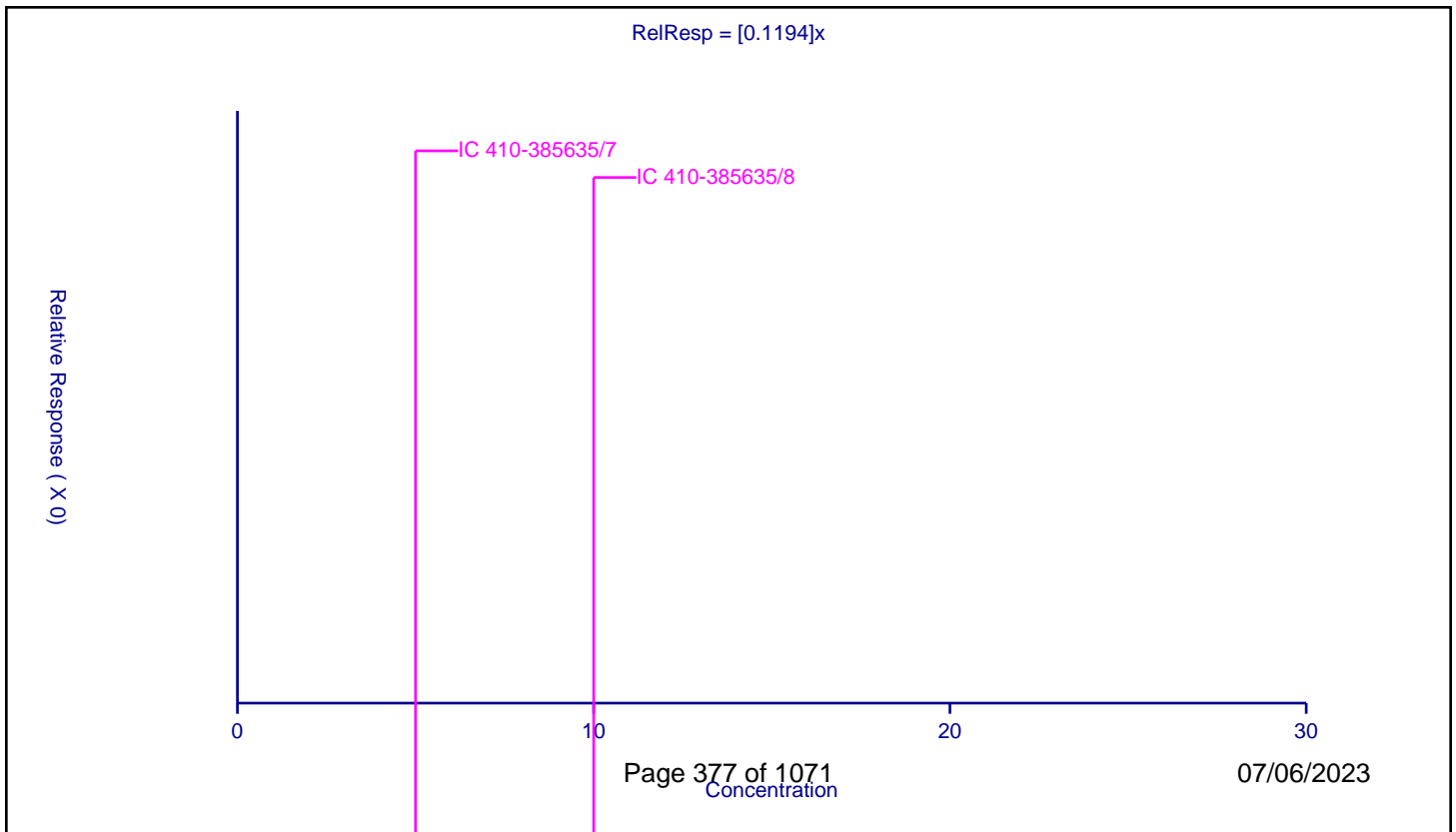
/ 2-Chloroethyl vinyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.1194

Error Coefficients	
Standard Error:	469000
Relative Standard Error:	13.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/3	0.2	NaN	10.0	0.0	NaN	N
2	IC 410-385635/4	0.5	0.0512	10.0	2991000.0	0.102401	Y
3	IC 410-385635/5	1.0	0.1056	10.0	3016674.0	0.1056	Y
4	IC 410-385635/6	2.0	0.223181	10.0	2966834.0	0.11159	Y
5	IC 410-385635/7	5.0	0.724034	10.0	2370111.0	0.144807	Y
6	IC 410-385635/8	10.0	1.211494	10.0	2923540.0	0.121149	Y
7	IC 410-385635/9	25.0	3.264882	10.0	2969265.0	0.130595	Y



Calibration

/ cis-1,4-Dichloro-2-butene

Curve Type: Linear
 Weighting: None
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

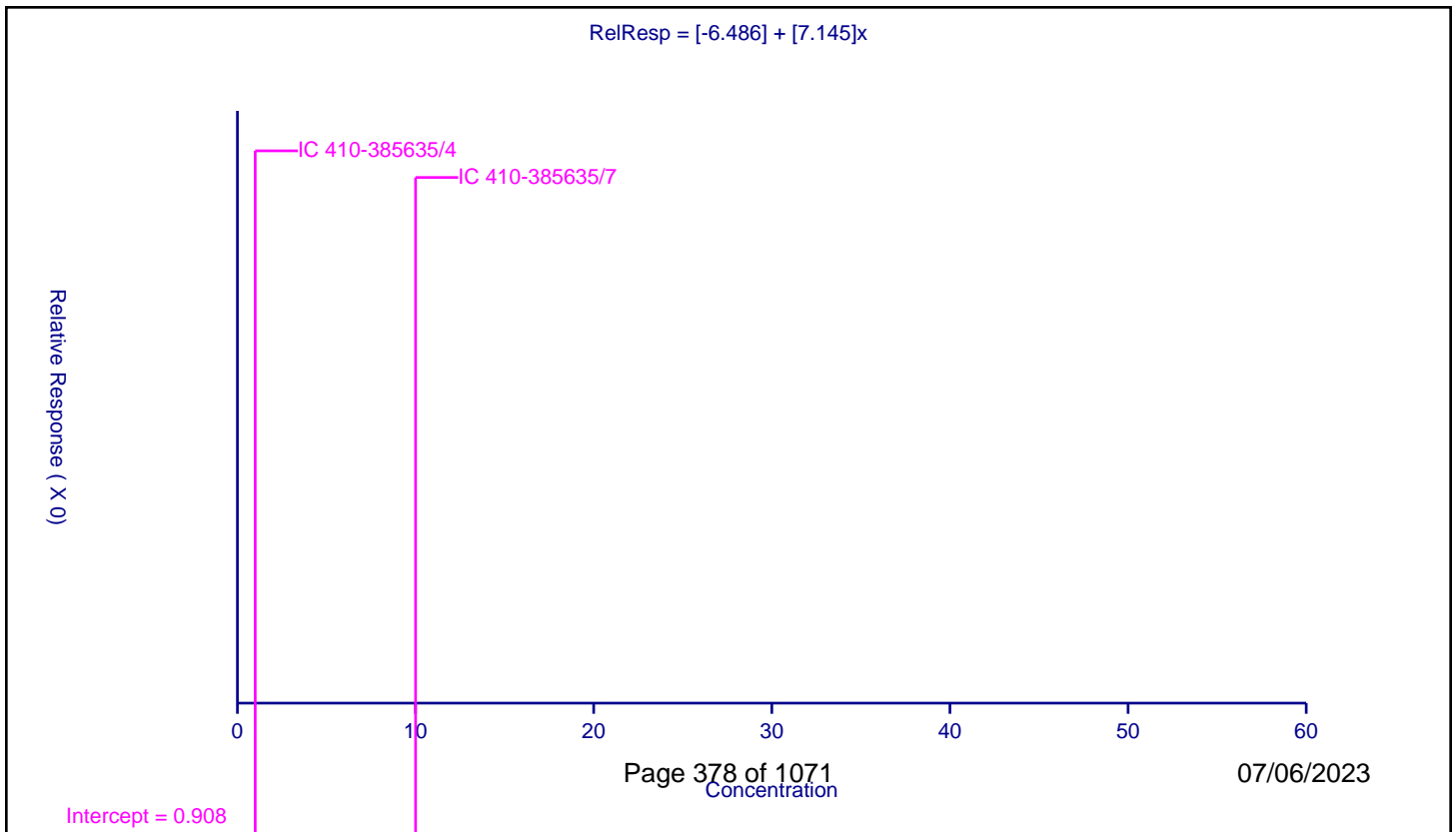
Curve Coefficients

Intercept: -6.486
 Slope: 7.145

Error Coefficients

Standard Error: 641000
 Relative Standard Error: 28.0
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/3	0.400029	NaN	50.0	0.0	NaN	N
2	IC 410-385635/4	1.000073	4.182919	50.0	150493.0	4.182612	Y
3	IC 410-385635/5	2.000147	7.181139	50.0	193862.0	3.590306	Y
4	IC 410-385635/6	4.000293	16.536321	50.0	177349.0	4.133777	Y
5	IC 410-385635/7	10.000734	76.184134	50.0	111875.0	7.617855	Y
6	IC 410-385635/8	20.001467	125.240488	50.0	154062.0	6.261565	Y
7	IC 410-385635/9	50.003668	353.421775	50.0	171110.0	7.067917	Y



Calibration

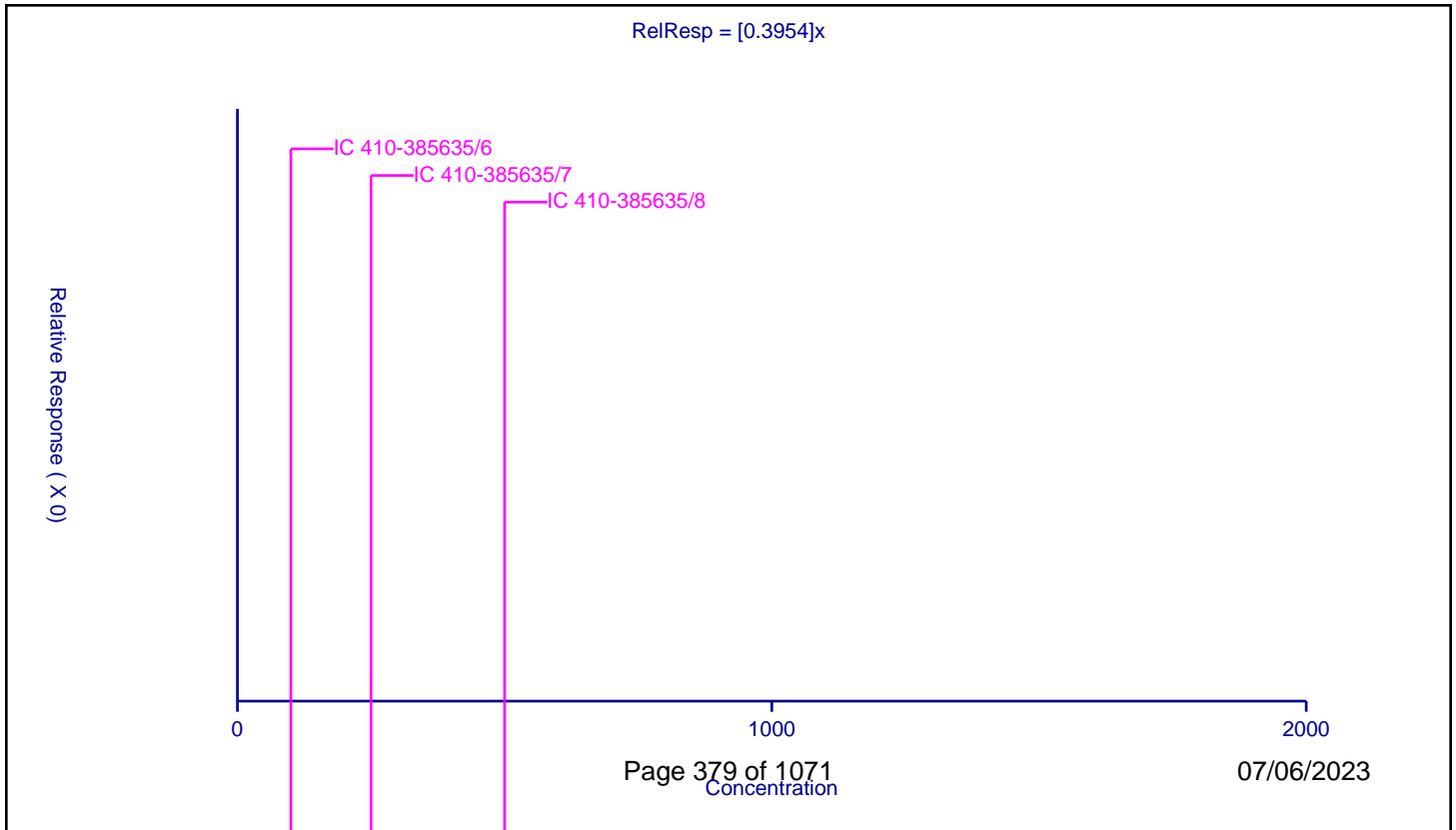
/ Cyclohexanone

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

Curve Coefficients	
Intercept:	0
Slope:	0.3954

Error Coefficients	
Standard Error:	785000
Relative Standard Error:	11.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/3	9.9996	NaN	50.0	0.0	NaN	N
2	IC 410-385635/4	24.999	9.020021	50.0	150493.0	0.360815	Y
3	IC 410-385635/5	49.998	16.990436	50.0	193862.0	0.339822	Y
4	IC 410-385635/6	99.996	42.635989	50.0	177349.0	0.426377	Y
5	IC 410-385635/7	249.99	114.572961	50.0	111875.0	0.45831	Y
6	IC 410-385635/8	499.98	205.519531	50.0	154062.0	0.411056	Y
7	IC 410-385635/9	1249.95	469.878441	50.0	171110.0	0.375918	Y



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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-131835-1 Analy Batch No.: 385635
 Environment Testing, LLC

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/13/2023 00:42 Calibration End Date: 06/13/2023 02:55 Calibration ID: 50976

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-385635/13	JU12X12.D
Level 2	IC 410-385635/14	JU12X13.D
Level 3	IC 410-385635/15	JU12X14.D
Level 4	IC 410-385635/16	JU12X15.D
Level 5	IC 410-385635/17	JU12X16.D
Level 6	ICIS 410-385635/18	JU12X17.D
Level 7	IC 410-385635/19	JU12X18.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	0.3174 0.3269	0.3348 0.3206	0.3276	0.3034	0.3173	Ave	0.321 2			0.1000	3.1		20.0				
Chloromethane	0.3800 0.3737	0.4106 0.3628	0.3867	0.3767	0.3728	Ave	0.380 5			0.1000	4.0		20.0				
Vinyl chloride	0.3482 0.3642	0.3622 0.3582	0.3622	0.3413	0.3546	Ave	0.355 8			0.1000	2.4		20.0				
1,3-Butadiene	0.3642 0.3094	0.3489 0.3052	0.3308	0.2783	0.3048	Ave	0.320 2				9.2		20.0				
Bromomethane	0.2336 0.2477	0.2555 0.2463	0.2480	0.2385	0.2439	Ave	0.244 8			0.1000	2.9		20.0				
Chloroethane	0.2020 0.2145	0.2141 0.2098	0.2079	0.2021	0.2132	Ave	0.209 1			0.1000	2.6		20.0				
Dichlorofluoromethane	0.5458 0.4932	0.4897 0.4864	0.5010	0.4678	0.4854	Ave	0.495 6			0.1000	4.9		20.0				
Trichlorofluoromethane	0.3057 0.4170	0.3497 0.4333	0.3766	0.3516	0.3908	Ave	0.375 0			0.1000	11.6		20.0				
Ethyl ether	0.1835 0.2203	0.2066 0.2135	0.1996	0.2069	0.2155	Ave	0.206 5				5.9		20.0				
Freon 123a	0.3025 0.2969	0.3170 0.2953	0.3062	0.2823	0.2889	Ave	0.298 4				3.8		20.0				
Acrolein	1.7650 1.8838	1.8155 1.7026	1.8168	1.7907	1.7707	Ave	1.792 1				3.1		20.0				
1,1-Dichloroethene	0.2226 0.2305	0.2197 0.2277	0.2121	0.2111	0.2167	Ave	0.220 1			0.1000	3.4		20.0				
Acetone	++++ 2.2157	2.2526 2.1061	2.1368	2.0271	2.1705	Ave	2.151 5			0.1000	3.7		20.0				

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

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

Analy Batch No.: 385635

SDG No.:

Instrument ID: 16334

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

Heated Purge: (Y/N) N

Calibration Start Date: 06/13/2023 00:42

Calibration End Date: 06/13/2023 02:55

Calibration ID: 50976

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	0.2078 0.2307	0.2029 0.2288	0.2113	0.1976	0.2053	Ave		0.212 n		0.1000	6.0		20.0				
Methyl iodide	0.3962 0.4500	0.3944 0.4435	0.3992	0.4002	0.4219	Ave		0.415 1			5.7		20.0				
Carbon disulfide	0.7261 0.8256	0.7111 0.8205	0.7208	0.7321	0.7559	Ave		0.756 n		0.1000	6.3		20.0				
Methyl acetate	5.5949 5.8529	6.0961 5.4921	6.0935	6.3219	5.6932	Ave		5.877 8		0.1000	5.2		20.0				
Allyl chloride	0.3749 0.4138	0.3629 0.4094	0.3611	0.3692	0.3866	Ave		0.382 6			5.6		20.0				
Methylene Chloride	0.2531 0.2708	0.2338 0.2646	0.2433	0.2466	0.2529	Ave		0.252 2		0.1000	5.0		20.0				
t-Butyl alcohol	0.9715 0.8357	0.9603 0.7847	0.8377	0.9421	0.8459	Ave		0.882 6			8.4		20.0				
Acrylonitrile	2.9772 3.5340	2.9660 3.3884	2.9270	3.2263	3.3469	Ave		3.195 1			7.5		20.0				
trans-1,2-Dichloroethene	0.2572 0.2731	0.2471 0.2695	0.2494	0.2504	0.2548	Ave		0.257 4		0.1000	3.9		20.0				
Methyl tert-butyl ether	0.6539 0.7509	0.6439 0.7248	0.6599	0.6757	0.7069	Ave		0.688 n		0.1000	5.9		20.0				
n-Hexane	0.3283 0.3440	0.2867 0.3392	0.3134	0.2849	0.2950	Ave		0.313 1			7.9		20.0				
1,1-Dichloroethane	0.4392 0.4786	0.4361 0.4673	0.4330	0.4343	0.4533	Ave		0.448 8		0.2000	4.0		20.0				
di-Isopropyl ether	0.8095 0.9210	0.8127 0.9037	0.8137	0.8282	0.8716	Ave		0.851 5			5.5		20.0				
2-Chloro-1,3-butadiene	0.3591 0.4107	0.3569 0.4079	0.3627	0.3680	0.3795	Ave		0.377 8			6.0		20.0				
Ethyl t-butyl ether	0.7499 0.8876	0.7709 0.8691	0.7583	0.8180	0.8461	Ave		0.814 3			6.8		20.0				
2-Butanone (MEK)	4.2841 4.9167	4.5940 4.5862	4.5138	4.3637	4.6854	Ave		4.563 4		0.1000	4.6		20.0				
cis-1,2-Dichloroethene	0.2864 0.3030	0.2850 0.2950	0.2759	0.2768	0.2814	Ave		0.286 2		0.1000	3.4		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.: 410-131835-1

Analy Batch No.: 385635

SDG No.:

Instrument ID: 16334

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

Heated Purge: (Y/N) N

Calibration Start Date: 06/13/2023 00:42

Calibration End Date: 06/13/2023 02:55

Calibration ID: 50976

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	0.3788 0.3971	0.3565 0.3893	0.3520	0.3501	0.3715	Ave		0.370 R			5.0		20.0				
Propionitrile	1.0492 1.2289	0.9819 1.2438	1.0852	1.0702	1.1304	Ave		1.112 R			8.6		20.0				
Methacrylonitrile	4.3127 5.1645	4.7676 4.8919	4.6959	4.5485	4.7315	Ave		4.730 4			5.6		20.0				
Bromochloromethane	0.1227 0.1347	0.1124 0.1308	0.1165	0.1237	0.1283	Ave		0.124 2			6.3		20.0				
Tetrahydrofuran	1.4181 1.4209	1.4208 1.3728	1.3962	1.3126	1.4025	Ave		1.392 0			2.8		20.0				
Chloroform	0.4331 0.4887	0.4277 0.4808	0.4329	0.4427	0.4613	Ave		0.452 5		0.2000	5.5		20.0				
1,1,1-Trichloroethane	0.3612 0.4135	0.3656 0.4063	0.3620	0.3687	0.3812	Ave		0.379 R		0.1000	5.7		20.0				
Cyclohexane	0.4172 0.4339	0.3780 0.4330	0.3920	0.3718	0.3893	Ave		0.402 2		0.1000	6.4		20.0				
Carbon tetrachloride	0.2905 0.3625	0.3057 0.3599	0.3077	0.3128	0.3229	Ave		0.323 1		0.1000	8.6		20.0				
1,1-Dichloropropene	0.3282 0.3733	0.3191 0.3661	0.3267	0.3285	0.3403	Ave		0.340 3			6.2		20.0				
Isobutyl alcohol	0.0058 0.0048	0.0047 0.0047	0.0045	0.0047	0.0049	Ave		0.004 9			8.8		20.0				
Benzene	1.0076 1.1385	1.0108 1.1191	1.0028	1.0213	1.0627	Ave		1.051 R		0.5000	5.4		20.0				
1,2-Dichloroethane	0.2958 0.3105	0.2885 0.2972	0.2664	0.2832	0.2961	Ave		0.291 1		0.1000	4.7		20.0				
t-Amyl methyl ether	0.7070 0.8107	0.7075 0.7936	0.7133	0.7333	0.7653	Ave		0.747 2			5.7		20.0				
n-Heptane	0.3586 0.3561	0.3036 0.3491	0.3178	0.2916	0.3108	Ave		0.326 R			8.4		20.0				
n-Butanol	0.2374 0.2958	0.2523 0.2918	0.2439	0.2697	0.2888	Ave		0.268 5			9.0		20.0				
Trichloroethene	0.2730 0.2982	0.2593 0.2941	0.2634	0.2692	0.2779	Ave		0.276 5		0.2000	5.3		20.0				

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

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

Analy Batch No.: 385635

SDG No.:

Instrument ID: 16334

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

Heated Purge: (Y/N) N

Calibration Start Date: 06/13/2023 00:42

Calibration End Date: 06/13/2023 02:55

Calibration ID: 50976

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	0.4094 0.4566	0.3931 0.4537	0.4065	0.3827	0.3997	Ave		0.414 5		0.1000	7.0		20.0				
1,2-Dichloropropane	0.2521 0.3003	0.2506 0.2956	0.2625	0.2687	0.2813	Ave		0.273 n		0.1000	7.3		20.0				
Methyl methacrylate	9.0236 10.299	9.5716 10.204	9.4341	8.7445	9.8671	Ave		9.592 n			6.0		20.0				
1,4-Dioxane	++++ 0.0571	0.0370 0.0594	0.0508	0.0611	0.0575	Ave		0.053 8		0.0050	16.6		20.0				
Dibromomethane	0.1164 0.1439	0.1206 0.1415	0.1235	0.1294	0.1381	Ave		0.130 5			8.3		20.0				
Bromodichloromethane	0.3014 0.3687	0.3057 0.3662	0.3172	0.3297	0.3448	Ave		0.333 4		0.2000	8.2		20.0				
2-Nitropropane	2.8879 2.9076	2.7812 2.7878	2.4560	2.4498	2.7065	Ave		2.711 n			7.0		20.0				
cis-1,3-Dichloropropene	0.3721 0.4711	0.3698 0.4653	0.3971	0.4121	0.4371	Ave		0.417 8		0.2000	9.9		20.0				
4-Methyl-2-pentanone (MIBK)	11.818 13.843	13.158 13.267	12.350	12.364	13.099	Ave		12.84 3		0.1000	5.4		20.0				
Toluene	0.8462 0.9346	0.8255 0.9184	0.8354	0.8393	0.8760	Ave		0.867 9		0.4000	5.0		20.0				
trans-1,3-Dichloropropene	0.4061 0.5206	0.4028 0.5183	0.4260	0.4511	0.4825	Ave		0.458 2		0.1000	10.9		20.0				
Ethyl methacrylate	0.3279 0.4279	0.3322 0.4254	0.3446	0.3718	0.4055	Ave		0.376 5			11.5		20.0				
1,1,2-Trichloroethane	0.2563 0.2799	0.2441 0.2700	0.2469	0.2592	0.2671	Ave		0.260 5		0.1000	4.9		20.0				
Tetrachloroethene	0.3658 0.4012	0.3467 0.3904	0.3568	0.3628	0.3656	Ave		0.369 9		0.2000	5.2		20.0				
1,3-Dichloropropane	0.4124 0.4719	0.4220 0.4679	0.4184	0.4344	0.4529	Ave		0.440 n			5.5		20.0				
2-Hexanone	7.5386 10.123	8.7095 9.6902	8.7895	8.9640	9.5409	Ave		9.050 8		0.1000	9.3		20.0				
Dibromochloromethane	0.2709 0.3453	0.2741 0.3461	0.2787	0.3006	0.3208	Ave		0.305 2			10.7		20.0				

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

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

Analy Batch No.: 385635

SDG No.:

Instrument ID: 16334

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

Heated Purge: (Y/N) N

Calibration Start Date: 06/13/2023 00:42

Calibration End Date: 06/13/2023 02:55

Calibration ID: 50976

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)	0.2146 0.2694	0.2292 0.2651	0.2210	0.2449	0.2571	Ave		0.243 1		0.1000	9.0		20.0				
1-Chlorohexane	0.5573 0.5132	0.4867 0.5083	0.4764	0.4557	0.4717	Ave		0.495 6			6.8		20.0				
Chlorobenzene	0.9613 1.0767	0.9603 1.0552	0.9531	0.9684	1.0055	Ave		0.997 2		0.5000	5.0		20.0				
1,1,1,2-Tetrachloroethane	0.3034 0.3796	0.3146 0.3756	0.3154	0.3331	0.3501	Ave		0.338 8			9.0		20.0				
Ethylbenzene	1.6161 1.8314	1.6112 1.7970	1.6038	1.6271	1.6959	Ave		1.683 2		0.1000	5.6		20.0				
m&p-Xylene	0.6061 0.7012	0.5979 0.6951	0.6080	0.6233	0.6570	Ave		0.641 2		0.1000	6.8		20.0				
o-Xylene	0.6085 0.6955	0.5997 0.6864	0.6059	0.6124	0.6500	Ave		0.636 9		0.3000	6.3		20.0				
Styrene	0.9848 1.2115	0.9695 1.2077	0.9891	1.0621	1.1293	Ave		1.079 1		0.3000	9.7		20.0				
Bromoform	0.1724 0.2203	0.1687 0.2234	0.1746	0.1897	0.2017	Ave		0.193 0		0.1000	11.8		20.0				
Isopropylbenzene	1.5437 1.7926	1.5389 1.7517	1.5569	1.5916	1.6719	Ave		1.635 3		0.1000	6.4		20.0				
1,1,2,2-Tetrachloroethane	0.5754 0.6740	0.5646 0.6479	0.5674	0.6260	0.6471	Ave		0.614 6		0.3000	7.3		20.0				
Bromobenzene	0.7142 0.7931	0.7395 0.7720	0.7061	0.7354	0.7631	Ave		0.746 2			4.2		20.0				
trans-1,4-Dichloro-2-butene	3.8729 5.4691	4.1613 5.4133	4.3250	4.6394	4.9521	Ave		4.690 4			13.1		20.0				
1,2,3-Trichloropropane	0.1513 0.1682	0.1519 0.1631	0.1470	0.1592	0.1643	Ave		0.157 9			5.0		20.0				
N-Propylbenzene	3.3170 3.8694	3.4618 3.6145	3.5212	3.4955	3.6112	Ave		3.555 8			4.8		20.0				
2-Chlorotoluene	0.6638 0.7826	0.7330 0.7615	0.6928	0.7115	0.7283	Ave		0.724 8			5.5		20.0				
1,3,5-Trimethylbenzene	2.4195 2.8072	2.4682 2.7184	2.4390	2.5262	2.5982	Ave		2.568 1			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.: 410-131835-1

Analy Batch No.: 385635

SDG No.:

Instrument ID: 16334

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

Heated Purge: (Y/N) N

Calibration Start Date: 06/13/2023 00:42

Calibration End Date: 06/13/2023 02:55

Calibration ID: 50976

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	0.6689 0.8203	0.7289 0.8016	0.7232	0.7681	0.7729	Ave		0.754 8			6.8		20.0				
tert-Butylbenzene	0.5530 0.5938	0.5297 0.5780	0.5286	0.5391	0.5528	Ave		0.553 6			4.4		20.0				
Pentachloroethane	0.4070 0.5382	0.4337 0.5272	0.4409	0.4824	0.5078	Ave		0.476 7			10.6		20.0				
1,2,4-Trimethylbenzene	2.4649 2.9295	2.5883 2.8650	2.5132	2.6244	2.7545	Ave		2.677 1			6.6		20.0				
sec-Butylbenzene	3.1876 3.5782	3.1546 3.3948	3.1302	3.1899	3.3020	Ave		3.276 7			4.9		20.0				
1,3-Dichlorobenzene	1.4448 1.6309	1.4069 1.5998	1.4268	1.4981	1.5359	Ave		1.506 2		0.6000	5.8		20.0				
p-Isopropyltoluene	2.7100 3.1820	2.7409 3.0897	2.7173	2.8426	2.9447	Ave		2.889 6			6.5		20.0				
1,4-Dichlorobenzene	1.5394 1.5984	1.4810 1.5595	1.3910	1.4771	1.5163	Ave		1.508 9		0.5000	4.5		20.0				
1,2,3-Trimethylbenzene	1.0977 1.3382	1.1763 1.3015	1.1956	1.2220	1.2575	Ave		1.227 0			6.6		20.0				
Benzyl chloride	0.2032 0.2786	0.2067 0.2740	0.2085	0.2380	0.2588	Ave		0.238 2			13.8		20.0				
n-Butylbenzene	1.4560 1.6414	1.4382 1.6077	1.4542	1.4498	1.5205	Ave		1.509 7			5.5		20.0				
1,2-Dichlorobenzene	1.3546 1.5404	1.3777 1.5110	1.3892	1.4329	1.4627	Ave		1.438 4		0.4000	4.9		20.0				
1,2-Dibromo-3-Chloropropane	0.0542 0.0983	0.0730 0.0972	0.0716	0.0886	0.0925	Ave		0.082 2		0.0500	20.0		20.0				
1,3,5-Trichlorobenzene	1.1294 1.3426	1.1531 1.3052	1.1880	1.2234	1.2626	Ave		1.229 2			6.4		20.0				
1,2,4-Trichlorobenzene	0.9744 1.1849	1.0338 1.1580	1.0058	1.0883	1.1197	Ave		1.080 7		0.2000	7.3		20.0				
Hexachlorobutadiene	0.4883 0.5558	0.4991 0.5363	0.4834	0.5025	0.5077	Ave		0.510 5			5.2		20.0				
Naphthalene	1.6179 2.1380	1.6404 2.0552	1.7574	1.9103	2.0312	Ave		1.878 6			11.1		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 Job No.: 410-131835-1 Analy Batch No.: 385635
 Environment Testing, LLC

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/13/2023 00:42 Calibration End Date: 06/13/2023 02:55 Calibration ID: 50976

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	0.8598 1.0266	0.8742 0.9993	0.9132	0.9546	0.9715	Ave		0.942 7			6.7		20.0				
Dibromofluoromethane (Surr)	0.2389 0.2413	0.2387 0.2381	0.2375	0.2384	0.2418	Ave		0.239 3			0.7		20.0				
1,2-Dichloroethane-d4 (Surr)	0.0502 0.0504	0.0506 0.0495	0.0508	0.0496	0.0505	Ave		0.050 2			1.0		20.0				
Toluene-d8 (Surr)	1.2982 1.2969	1.2878 1.2874	1.2934	1.2996	1.2932	Ave		1.293 8			0.4		20.0				
4-Bromofluorobenzene (Surr)	0.4976 0.5032	0.4969 0.5065	0.4957	0.4950	0.5029	Ave		0.499 7			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.: 410-131835-1 Analy Batch No.: 385635

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/13/2023 00:42 Calibration End Date: 06/13/2023 02:55 Calibration ID: 50976

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-385635/13	JU12X12.D
Level 2	IC 410-385635/14	JU12X13.D
Level 3	IC 410-385635/15	JU12X14.D
Level 4	IC 410-385635/16	JU12X15.D
Level 5	IC 410-385635/17	JU12X16.D
Level 6	ICIS 410-385635/18	JU12X17.D
Level 7	IC 410-385635/19	JU12X18.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	19006 961621	49247 2400349	97720	175375	452229	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloromethane	FB	Ave	22756 1099048	60385 2716491	115351	217756	531313	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Vinyl chloride	FB	Ave	20853 1071335	53269 2681983	108033	197276	505324	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Butadiene	FB	Ave	21811 910160	51309 2285542	98655	160898	434303	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromomethane	FB	Ave	13987 728515	37583 1844144	73959	137884	347540	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloroethane	FB	Ave	12099 630999	31487 1570808	62012	116801	303864	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dichlorofluoromethane	FB	Ave	32689 1450510	72021 3641920	149431	270396	691767	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Trichlorofluoromethane	FB	Ave	18309 1226373	51432 3244557	112335	203231	556942	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl ether	FB	Ave	10991 647982	30390 1598733	59531	119610	307150	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Freon 123a	FB	Ave	18116 873110	46621 2210945	91335	163192	411679	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acrolein	TBAd 10	Ave	74876 4152287	173174 9842205	377854	778391	1932247	10.0 500	25.0 1250	50.0	100	250
1,1-Dichloroethene	FB	Ave	13332 677933	32314 1705265	63249	122014	308825	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetone	TBAd 10	Ave	+++++	42971	88877	176227	473693	+++++	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.: 410-131835-1 Analy Batch No.: 385635

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/13/2023 00:42 Calibration End Date: 06/13/2023 02:55 Calibration ID: 50976

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
			976759	2434938				100	250			
Freon 113	FB	Ave	12442 678491	29847 1713174	63019	114213	292584	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl iodide	FB	Ave	23728 1323534	58003 3321344	119056	231319	601251	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon disulfide	FB	Ave	43486 2428357	104582 6143962	214977	423208	1077136	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl acetate	TBAd 10	Ave	4747 258014	11629 634942	25345	54960	124251	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Allyl chloride	FB	Ave	22449 1217136	53375 3065533	107702	213416	550926	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylene Chloride	FB	Ave	15155 796595	34379 1981737	72568	142558	360358	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Butyl alcohol	TBAd 10	Ave	16485 736807	36639 1814430	69684	163808	369237	4.00 200	10.0 500	20.0	40.0	100
Acrylonitrile	TBAd 10	Ave	6315 389478	14145 979336	30436	70121	182609	0.500 25.0	1.25 62.5	2.50	5.00	12.5
trans-1,2-Dichloroethene	FB	Ave	15401 803388	36347 2017863	74391	144752	363041	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl tert-butyl ether	FB	Ave	39162 2208714	94700 5427487	196832	390587	1007442	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Hexane	FB	Ave	19663 1011667	42160 2539804	93486	164690	420378	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloroethane	FB	Ave	26305 1407682	64142 3499135	129138	251059	645957	0.200 10.0	0.500 25.0	1.00	2.00	5.00
di-Isopropyl ether	FB	Ave	48479 2708754	119519 6767269	242697	478769	1242016	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloro-1,3-butadiene	FB	Ave	21505 1207930	52485 3054680	108185	212713	540776	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl t-butyl ether	FB	Ave	44909 2610678	113377 6508127	226163	472856	1205740	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Butanone (MEK)	TBAd 10	Ave	36348	87637	187745	379358	1022555	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.: 410-131835-1 Analy Batch No.: 385635

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/13/2023 00:42 Calibration End Date: 06/13/2023 02:55 Calibration ID: 50976

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
			2167426	5302129				100	250			
cis-1,2-Dichloroethene	FB	Ave	17152 891285	41912 2209059	82304	160016	400992	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2,2-Dichloropropane	FB	Ave	22687 1167887	52434 2915110	104995	202391	529352	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Propionitrile	TBAd 10	Ave	17803 1083455	37461 2876028	90274	186069	493394	4.00 200	10.0 500	20.0	40.0	100
Methacrylonitrile	TBAd 10	Ave	36591 2276661	90947 5655628	195321	395427	1032620	2.00 100	5.00 250	10.0	20.0	50.0
Bromochloromethane	FB	Ave	7348 396255	16529 979150	34739	71527	182886	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrahydrofuran	TBAd 10	Ave	6016 313187	13552 793569	29037	57054	153039	1.00 50.0	2.50 125	5.00	10.0	25.0
Chloroform	FB	Ave	25936 1437396	62910 3600118	129133	255926	657425	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1-Trichloroethane	FB	Ave	21631 1216118	53764 3042730	107986	213156	543168	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Cyclohexane	FB	Ave	24985 1276347	55595 3242386	116912	214941	554729	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon tetrachloride	FB	Ave	17395 1066101	44966 2695133	91763	180809	460129	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloropropene	FB	Ave	19658 1097945	46927 2741200	97437	189873	484930	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isobutyl alcohol	FB	Ave	17401 710937	34344 1767771	67285	135277	348082	10.0 500	25.0 1250	50.0	100	250
Benzene	FB	Ave	60343 3348637	148654 8379923	299100	590366	1514366	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloroethane	FB	Ave	17714 913202	42427 2225566	79471	163703	421901	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Amyl methyl ether	FB	Ave	42339 2384412	104051 5942442	212745	423881	1090556	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Heptane	FB	Ave	21476 1047261	44649 2613764	94796	168536	442900	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.: 410-131835-1 Analy Batch No.: 385635

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/13/2023 00:42 Calibration End Date: 06/13/2023 02:55 Calibration ID: 50976

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
n-Butanol	TBAd 10	Ave	17627	42111	88771	205154	551587	17.5	43.8	87.5	175	438
			1141143	2951859				875	2188			
Trichloroethene	FB	Ave	16352	38143	78561	155632	396020	0.200	0.500	1.00	2.00	5.00
			876977	2202203				10.0	25.0			
Methylcyclohexane	FB	Ave	24517	57821	121253	221230	569580	0.200	0.500	1.00	2.00	5.00
			1343112	3397154				10.0	25.0			
1,2-Dichloropropane	FB	Ave	15099	36861	78303	155317	400851	0.200	0.500	1.00	2.00	5.00
			883252	2213330				10.0	25.0			
Methyl methacrylate	TBAd 10	Ave	7656	18259	39240	76021	215344	0.200	0.500	1.00	2.00	5.00
			454028	1179649				10.0	25.0			
1,4-Dioxane	TBAd 10	Ave	+++++	3530	10569	26545	62732	+++++	25.0	50.0	100	250
			125924	343585				500	1250			
Dibromomethane	FB	Ave	6969	17736	36841	74794	196793	0.200	0.500	1.00	2.00	5.00
			423215	1059304				10.0	25.0			
Bromodichloromethane	FB	Ave	18048	44957	94607	190585	491344	0.200	0.500	1.00	2.00	5.00
			1084372	2742291				10.0	25.0			
2-Nitropropane	TBAd 10	Ave	12251	26527	51076	106487	295334	1.00	2.50	5.00	10.0	25.0
			640885	1611529				50.0	125			
cis-1,3-Dichloropropene	FB	Ave	22282	54393	118430	238209	622882	0.200	0.500	1.00	2.00	5.00
			1385627	3484597				10.0	25.0			
4-Methyl-2-pentanone (MIBK)	TBAd 10	Ave	100269	251009	513685	1074860	2858721	2.00	5.00	10.0	20.0	50.0
			6102408	15338478				100	250			
Toluene	CBZd 5	Ave	39390	95122	195093	381955	988125	0.200	0.500	1.00	2.00	5.00
			2173833	5479521				10.0	25.0			
trans-1,3-Dichloropropene	CBZd 5	Ave	18901	46418	99472	205303	544238	0.200	0.500	1.00	2.00	5.00
			1210765	3092219				10.0	25.0			
Ethyl methacrylate	CBZd 5	Ave	15261	38276	80471	169212	457445	0.200	0.500	1.00	2.00	5.00
			995342	2538111				10.0	25.0			

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

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-131835-1 Analy Batch No.: 385635

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/13/2023 00:42 Calibration End Date: 06/13/2023 02:55 Calibration ID: 50976

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,1,2-Trichloroethane	CBZd 5	Ave	11930	28129	57660	117950	301292	0.200	0.500	1.00	2.00	5.00
			650977	1610616				10.0	25.0			
Tetrachloroethene	CBZd 5	Ave	17027	39953	83320	165110	412364	0.200	0.500	1.00	2.00	5.00
			933207	2328855				10.0	25.0			
1,3-Dichloropropane	CBZd 5	Ave	19198	48624	97709	197720	510859	0.200	0.500	1.00	2.00	5.00
			1097515	2791449				10.0	25.0			
2-Hexanone	TBAd 10	Ave	63961	166145	365589	779287	2082242	2.00	5.00	10.0	20.0	50.0
			4462586	11202895				100	250			
Dibromochloromethane	CBZd 5	Ave	12611	31589	65092	136804	361834	0.200	0.500	1.00	2.00	5.00
			803139	2065081				10.0	25.0			
1,2-Dibromoethane (EDB)	CBZd 5	Ave	9990	26417	51617	111474	289982	0.200	0.500	1.00	2.00	5.00
			626695	1581341				10.0	25.0			
1-Chlorohexane	CBZd 5	Ave	25942	56087	111243	207376	532096	0.200	0.500	1.00	2.00	5.00
			1193753	3032668				10.0	25.0			
Chlorobenzene	CBZd 5	Ave	44747	110660	222575	440730	1134274	0.200	0.500	1.00	2.00	5.00
			2504247	6295134				10.0	25.0			
1,1,1,2-Tetrachloroethane	CBZd 5	Ave	14121	36248	73666	151616	394971	0.200	0.500	1.00	2.00	5.00
			882884	2241142				10.0	25.0			
Ethylbenzene	CBZd 5	Ave	75226	185669	374536	740497	1913000	0.200	0.500	1.00	2.00	5.00
			4259729	10721096				10.0	25.0			
m&p-Xylene	CBZd 5	Ave	56428	137800	283950	567293	1482303	0.400	1.00	2.00	4.00	10.0
			3261989	8293502				20.0	50.0			
o-Xylene	CBZd 5	Ave	28326	69103	141501	278705	733259	0.200	0.500	1.00	2.00	5.00
			1617718	4095312				10.0	25.0			

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

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-131835-1 Analy Batch No.: 385635

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/13/2023 00:42 Calibration End Date: 06/13/2023 02:55 Calibration ID: 50976

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
Styrene	CBZd 5	Ave	45842	111718	230987	483382	1273835	0.200	0.500	1.00	2.00	5.00
			2817859	7204995				10.0	25.0			
Bromoform	CBZd 5	Ave	8027	19443	40773	86325	227504	0.200	0.500	1.00	2.00	5.00
			512311	1332994				10.0	25.0			
Isopropylbenzene	CBZd 5	Ave	71858	177328	363586	724350	1885886	0.200	0.500	1.00	2.00	5.00
			4169458	10450987				10.0	25.0			
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	14749	35738	73679	158979	411499	0.200	0.500	1.00	2.00	5.00
			891687	2246545				10.0	25.0			
Bromobenzene	DCBd 4	Ave	18306	46809	91688	186757	485228	0.200	0.500	1.00	2.00	5.00
			1049238	2676998				10.0	25.0			
trans-1,4-Dichloro-2-butene	TBAd 10	Ave	32859	79382	179894	403329	1080768	2.00	5.00	10.0	20.0	50.0
			2410925	6258373				100	250			
1,2,3-Trichloropropane	DCBd 4	Ave	3879	9615	19088	40424	104484	0.200	0.500	1.00	2.00	5.00
			222459	565472				10.0	25.0			
N-Propylbenzene	DCBd 4	Ave	85017	219131	457207	887756	2296323	0.200	0.500	1.00	2.00	5.00
			5118786	12532727				10.0	25.0			
2-Chlorotoluene	DCBd 4	Ave	17015	46398	89959	180689	463118	0.200	0.500	1.00	2.00	5.00
			1035242	2640274				10.0	25.0			
1,3,5-Trimethylbenzene	DCBd 4	Ave	62014	156236	316685	641578	1652192	0.200	0.500	1.00	2.00	5.00
			3713583	9425834				10.0	25.0			
4-Chlorotoluene	DCBd 4	Ave	17145	46137	93898	195068	491460	0.200	0.500	1.00	2.00	5.00
			1085124	2779432				10.0	25.0			
tert-Butylbenzene	DCBd 4	Ave	14173	33530	68639	136913	351509	0.200	0.500	1.00	2.00	5.00
			785600	2004076				10.0	25.0			

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

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-131835-1 Analy Batch No.: 385635

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/13/2023 00:42 Calibration End Date: 06/13/2023 02:55 Calibration ID: 50976

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
Pentachloroethane	DCBd 4	Ave	10432	27452	57251	122519	322883	0.200	0.500	1.00	2.00	5.00
			711924	1828033				10.0	25.0			
1,2,4-Trimethylbenzene	DCBd 4	Ave	63177	163840	326322	666529	1751579	0.200	0.500	1.00	2.00	5.00
			3875473	9934115				10.0	25.0			
sec-Butylbenzene	DCBd 4	Ave	81700	199683	406437	810136	2099721	0.200	0.500	1.00	2.00	5.00
			4733575	11770997				10.0	25.0			
1,3-Dichlorobenzene	DCBd 4	Ave	37032	89059	185264	380461	976666	0.200	0.500	1.00	2.00	5.00
			2157544	5547286				10.0	25.0			
p-Isopropyltoluene	DCBd 4	Ave	69459	173497	352817	721928	1872534	0.200	0.500	1.00	2.00	5.00
			4209448	10713283				10.0	25.0			
1,4-Dichlorobenzene	DCBd 4	Ave	39456	93744	180612	375146	964197	0.200	0.500	1.00	2.00	5.00
			2114470	5407342				10.0	25.0			
1,2,3-Trimethylbenzene	DCBd 4	Ave	28135	74458	155241	310346	799667	0.200	0.500	1.00	2.00	5.00
			1770291	4512804				10.0	25.0			
Benzyl chloride	DCBd 4	Ave	5209	13081	27066	60440	164546	0.200	0.500	1.00	2.00	5.00
			368582	950218				10.0	25.0			
n-Butylbenzene	DCBd 4	Ave	37318	91040	188822	368212	966871	0.200	0.500	1.00	2.00	5.00
			2171392	5574460				10.0	25.0			
1,2-Dichlorobenzene	DCBd 4	Ave	34720	87210	180371	363921	930135	0.200	0.500	1.00	2.00	5.00
			2037834	5239251				10.0	25.0			
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1388	4623	9302	22495	58838	0.200	0.500	1.00	2.00	5.00
			130051	337130				10.0	25.0			
1,3,5-Trichlorobenzene	DCBd 4	Ave	28948	72991	154248	310707	802905	0.200	0.500	1.00	2.00	5.00
			1776131	4525729				10.0	25.0			

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

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-131835-1 Analy Batch No.: 385635

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/13/2023 00:42 Calibration End Date: 06/13/2023 02:55 Calibration ID: 50976

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2,4-Trichlorobenzene	DCBd 4	Ave	24976	65436	130589	276384	711994	0.200	0.500	1.00	2.00	5.00
			1567537	4015310				10.0	25.0			
Hexachlorobutadiene	DCBd 4	Ave	12515	31592	62766	127624	322870	0.200	0.500	1.00	2.00	5.00
			735260	1859702				10.0	25.0			
Naphthalene	DCBd 4	Ave	41467	103835	228187	485155	1291643	0.200	0.500	1.00	2.00	5.00
			2828315	7126330				10.0	25.0			
1,2,3-Trichlorobenzene	DCBd 4	Ave	22038	55334	118578	242434	617743	0.200	0.500	1.00	2.00	5.00
			1358116	3464924				10.0	25.0			
Dibromofluoromethane (Surr)	FB	Ave	715396	702164	708508	689161	689117	10.0	10.0	10.0	10.0	10.0
			709685	713199				10.0	10.0			
1,2-Dichloroethane-d4 (Surr)	FB	Ave	150387	148846	151594	143280	143928	10.0	10.0	10.0	10.0	10.0
			148209	148330				10.0	10.0			
Toluene-d8 (Surr)	CBZd 5	Ave	3021503	2968062	3020451	2957250	2917533	10.0	10.0	10.0	10.0	10.0
			3016366	3072256				10.0	10.0			
4-Bromofluorobenzene (Surr)	CBZd 5	Ave	1158126	1145227	1157616	1126502	1134509	10.0	10.0	10.0	10.0	10.0
			1170372	1208817				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.: 410-131835-1 Analy Batch No.: 385635

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/13/2023 00:42 Calibration End Date: 06/13/2023 02:55 Calibration ID: 50976

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-385635/13	JU12X12.D
Level 2	IC 410-385635/14	JU12X13.D
Level 3	IC 410-385635/15	JU12X14.D
Level 4	IC 410-385635/16	JU12X15.D
Level 5	IC 410-385635/17	JU12X16.D
Level 6	ICIS 410-385635/18	JU12X17.D
Level 7	IC 410-385635/19	JU12X18.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	-1.2 -0.2	4.3	2.0	-5.5	-1.2	1.8	50 30	30	30	30	30	30
Chloromethane	-0.1 -4.7	7.9	1.6	-1.0	-2.0	-1.8	50 30	30	30	30	30	30
Vinyl chloride	-2.1 0.7	1.8	1.8	-4.1	-0.3	2.4	50 30	30	30	30	30	30
1,3-Butadiene	13.7 -4.7	8.9	3.3	-13.1	-4.8	-3.4	50 30	30	30	30	30	30
Bromomethane	-4.6 0.6	4.4	1.3	-2.6	-0.4	1.2	50 30	30	30	30	30	30
Chloroethane	-3.4 0.3	2.4	-0.6	-3.4	2.0	2.6	50 30	30	30	30	30	30
Dichlorofluoromethane	10.1 -1.9	-1.2	1.1	-5.6	-2.1	-0.5	50 30	30	30	30	30	30
Trichlorofluoromethane	-18.5 15.6	-6.7	0.4	-6.2	4.2	11.2	50 30	30	30	30	30	30
Ethyl ether	-11.2 3.4	0.0	-3.4	0.2	4.3	6.6	50 30	30	30	30	30	30
Freon 123a	1.4 -1.1	6.2	2.6	-5.4	-3.2	-0.5	50 30	30	30	30	30	30
Acrolein	-1.5 -5.0	1.3	1.4	-0.1	-1.2	5.1	50 30	30	30	30	30	30
1,1-Dichloroethene	1.2 3.5	-0.2	-3.6	-4.1	-1.5	4.7	50 30	30	30	30	30	30
Acetone	++++ -2.1	4.7	-0.7	-5.8	0.9	3.0	30	50	30	30	30	30
Freon 113	-2.0 7.9	-4.3	-0.4	-6.8	-3.2	8.8	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.: 410-131835-1 Analy Batch No.: 385635

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/13/2023 00:42 Calibration End Date: 06/13/2023 02:55 Calibration ID: 50976

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	-4.5 6.9	-5.0	-3.8	-3.6	1.7	8.4	50 30	30	30	30	30	30
Carbon disulfide	-4.0 8.5	-5.9	-4.7	-3.2	0.0	9.2	50 30	30	30	30	30	30
Methyl acetate	-4.8 -6.6	3.7	3.7	7.6	-3.1	-0.4	50 30	30	30	30	30	30
Allyl chloride	-2.0 7.0	-5.1	-5.6	-3.5	1.1	8.2	50 30	30	30	30	30	30
Methylene Chloride	0.4 5.0	-7.3	-3.5	-2.2	0.3	7.4	50 30	30	30	30	30	30
t-Butyl alcohol	10.1 -11.1	8.8	-5.1	6.7	-4.2	-5.3	50 30	30	30	30	30	30
Acrylonitrile	-6.8 6.0	-7.2	-8.4	1.0	4.7	10.6	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	-0.1 4.7	-4.0	-3.1	-2.7	-1.0	6.1	50 30	30	30	30	30	30
Methyl tert-butyl ether	-5.0 5.3	-6.4	-4.1	-1.8	2.8	9.1	50 30	30	30	30	30	30
n-Hexane	4.9 8.3	-8.4	0.1	-9.0	-5.8	9.9	50 30	30	30	30	30	30
1,1-Dichloroethane	-2.1 4.1	-2.8	-3.5	-3.2	1.0	6.6	50 30	30	30	30	30	30
di-Isopropyl ether	-4.9 6.1	-4.6	-4.4	-2.7	2.4	8.2	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-5.0 8.0	-5.5	-4.0	-2.6	0.4	8.7	50 30	30	30	30	30	30
Ethyl t-butyl ether	-7.9 6.7	-5.3	-6.9	0.5	3.9	9.0	50 30	30	30	30	30	30
2-Butanone (MEK)	-6.1 0.5	0.7	-1.1	-4.4	2.7	7.7	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	0.1 3.1	-0.4	-3.6	-3.3	-1.7	5.9	50 30	30	30	30	30	30
2,2-Dichloropropane	2.2 5.0	-3.8	-5.1	-5.6	0.2	7.1	50 30	30	30	30	30	30
Propionitrile	-5.7 11.8	-11.8	-2.5	-3.8	1.6	10.4	50 30	30	30	30	30	30
Methacrylonitrile	-8.8 3.4	0.8	-0.7	-3.8	0.0	9.2	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-131835-1 Analy Batch No.: 385635

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/13/2023 00:42 Calibration End Date: 06/13/2023 02:55 Calibration ID: 50976

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	-1.2 5.3	-9.5	-6.2	-0.3	3.4	8.5	50 30	30	30	30	30	30
Tetrahydrofuran	1.9 -1.4	2.1	0.3	-5.7	0.8	2.1	50 30	30	30	30	30	30
Chloroform	-4.3 6.3	-5.5	-4.3	-2.2	2.0	8.0	50 30	30	30	30	30	30
1,1,1-Trichloroethane	-4.9 7.0	-3.7	-4.7	-2.9	0.4	8.9	50 30	30	30	30	30	30
Cyclohexane	3.7 7.7	-6.0	-2.5	-7.5	-3.2	7.9	50 30	30	30	30	30	30
Carbon tetrachloride	-10.1 11.4	-5.4	-4.8	-3.2	-0.1	12.2	50 30	30	30	30	30	30
1,1-Dichloropropene	-3.5 7.6	-6.2	-4.0	-3.5	0.0	9.7	50 30	30	30	30	30	30
Isobutyl alcohol	19.2 -3.1	-4.2	-7.4	-4.0	0.2	-0.8	50 30	30	30	30	30	30
Benzene	-4.2 6.4	-3.9	-4.7	-2.9	1.0	8.2	50 30	30	30	30	30	30
1,2-Dichloroethane	1.6 2.1	-0.9	-8.5	-2.7	1.7	6.7	50 30	30	30	30	30	30
t-Amyl methyl ether	-5.4 6.2	-5.3	-4.5	-1.9	2.4	8.5	50 30	30	30	30	30	30
n-Heptane	9.7 6.8	-7.1	-2.7	-10.8	-4.9	9.0	50 30	30	30	30	30	30
n-Butanol	-11.6 8.7	-6.1	-9.2	0.4	7.6	10.2	50 30	30	30	30	30	30
Trichloroethene	-1.2 6.4	-6.2	-4.7	-2.6	0.5	7.9	50 30	30	30	30	30	30
Methylcyclohexane	-1.2 9.4	-5.2	-1.9	-7.7	-3.6	10.2	50 30	30	30	30	30	30
1,2-Dichloropropane	-7.7 8.3	-8.2	-3.8	-1.6	3.0	10.0	50 30	30	30	30	30	30
Methyl methacrylate	-5.9 6.4	-0.2	-1.6	-8.8	2.9	7.4	50 30	30	30	30	30	30
1,4-Dioxane	++++ 10.4	-31.2	-5.6	13.5	6.8	6.1	30	50	30	30	30	30
Dibromomethane	-10.8 8.4	-7.6	-5.3	-0.8	5.8	10.3	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-131835-1 Analy Batch No.: 385635

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/13/2023 00:42 Calibration End Date: 06/13/2023 02:55 Calibration ID: 50976

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	-9.6 9.9	-8.3	-4.9	-1.1	3.4	10.6	50 30	30	30	30	30	30
2-Nitropropane	6.5 2.8	2.6	-9.4	-9.6	-0.2	7.3	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-10.9 11.4	-11.5	-5.0	-1.4	4.6	12.8	50 30	30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	-8.0 3.3	2.5	-3.8	-3.7	2.0	7.8	50 30	30	30	30	30	30
Toluene	-2.5 5.8	-4.9	-3.7	-3.3	0.9	7.7	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-11.4 13.1	-12.1	-7.0	-1.5	5.3	13.6	50 30	30	30	30	30	30
Ethyl methacrylate	-12.9 13.0	-11.8	-8.5	-1.2	7.7	13.7	50 30	30	30	30	30	30
1,1,2-Trichloroethane	-1.6 3.6	-6.3	-5.2	-0.5	2.5	7.4	50 30	30	30	30	30	30
Tetrachloroethene	-1.1 5.5	-6.3	-3.5	-1.9	-1.2	8.5	50 30	30	30	30	30	30
1,3-Dichloropropane	-6.3 6.3	-4.1	-4.9	-1.3	2.9	7.2	50 30	30	30	30	30	30
2-Hexanone	-16.7 7.1	-3.8	-2.9	-1.0	5.4	11.8	50 30	30	30	30	30	30
Dibromochloromethane	-11.2 13.4	-10.2	-8.7	-1.5	5.1	13.1	50 30	30	30	30	30	30
1,2-Dibromoethane (EDB)	-11.7 9.1	-5.7	-9.1	0.8	5.8	10.9	50 30	30	30	30	30	30
1-Chlorohexane	12.4 2.6	-1.8	-3.9	-8.1	-4.8	3.6	50 30	30	30	30	30	30
Chlorobenzene	-3.6 5.8	-3.7	-4.4	-2.9	0.8	8.0	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-10.5 10.9	-7.2	-6.9	-1.7	3.3	12.0	50 30	30	30	30	30	30
Ethylbenzene	-4.0 6.8	-4.3	-4.7	-3.3	0.8	8.8	50 30	30	30	30	30	30
m&p-Xylene	-5.5 8.4	-6.8	-5.2	-2.8	2.5	9.4	50 30	30	30	30	30	30
o-Xylene	-4.5 7.8	-5.8	-4.9	-3.9	2.1	9.2	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-131835-1 Analy Batch No.: 385635

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/13/2023 00:42 Calibration End Date: 06/13/2023 02:55 Calibration ID: 50976

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Styrene	-8.7 11.9	-10.2	-8.3	-1.6	4.6	12.3	50 30	30	30	30	30	30
Bromoform	-10.6 15.8	-12.6	-9.5	-1.7	4.5	14.1	50 30	30	30	30	30	30
Isopropylbenzene	-5.6 7.1	-5.9	-4.8	-2.7	2.2	9.6	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-6.4 5.4	-8.1	-7.7	1.8	5.3	9.7	50 30	30	30	30	30	30
Bromobenzene	-4.3 3.5	-0.9	-5.4	-1.5	2.3	6.3	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-17.4 15.4	-11.3	-7.8	-1.1	5.6	16.6	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-4.1 3.3	-3.8	-6.9	0.8	4.1	6.5	50 30	30	30	30	30	30
N-Propylbenzene	-6.7 1.6	-2.6	-1.0	-1.7	1.6	8.8	50 30	30	30	30	30	30
2-Chlorotoluene	-8.4 5.1	1.1	-4.4	-1.8	0.5	8.0	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-5.8 5.9	-3.9	-5.0	-1.6	1.2	9.3	50 30	30	30	30	30	30
4-Chlorotoluene	-11.4 6.2	-3.4	-4.2	1.8	2.4	8.7	50 30	30	30	30	30	30
tert-Butylbenzene	-0.1 4.4	-4.3	-4.5	-2.6	-0.1	7.3	50 30	30	30	30	30	30
Pentachloroethane	-14.6 10.6	-9.0	-7.5	1.2	6.5	12.9	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-7.9 7.0	-3.3	-6.1	-2.0	2.9	9.4	50 30	30	30	30	30	30
sec-Butylbenzene	-2.7 3.6	-3.7	-4.5	-2.7	0.8	9.2	50 30	30	30	30	30	30
1,3-Dichlorobenzene	-4.1 6.2	-6.6	-5.3	-0.5	2.0	8.3	50 30	30	30	30	30	30
p-Isopropyltoluene	-6.2 6.9	-5.1	-6.0	-1.6	1.9	10.1	50 30	30	30	30	30	30
1,4-Dichlorobenzene	2.0 3.3	-1.9	-7.8	-2.1	0.5	5.9	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-10.5 6.1	-4.1	-2.6	-0.4	2.5	9.1	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.: 410-131835-1 Analy Batch No.: 385635

SDG No.: _____

Instrument ID: 16334 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/13/2023 00:42 Calibration End Date: 06/13/2023 02:55 Calibration ID: 50976

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	-14.7 15.0	-13.3	-12.5	-0.1	8.6	16.9	50 30	30	30	30	30	30
n-Butylbenzene	-3.6 6.5	-4.7	-3.7	-4.0	0.7	8.7	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-5.8 5.0	-4.2	-3.4	-0.4	1.7	7.1	50 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	-34.1 18.3	-11.2	-12.9	7.7	12.6	19.6	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-8.1 6.2	-6.2	-3.4	-0.5	2.7	9.2	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-9.8 7.2	-4.3	-6.9	0.7	3.6	9.6	50 30	30	30	30	30	30
Hexachlorobutadiene	-4.3 5.1	-2.2	-5.3	-1.6	-0.5	8.9	50 30	30	30	30	30	30
Naphthalene	-13.9 9.4	-12.7	-6.5	1.7	8.1	13.8	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-8.8 6.0	-7.3	-3.1	1.3	3.0	8.9	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	-0.1 -0.5	-0.2	-0.7	-0.3	1.1	0.8	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	0.0 -1.4	0.7	1.2	-1.3	0.5	0.3	50 30	30	30	30	30	30
Toluene-d8 (Surr)	0.3 -0.5	-0.5	0.0	0.4	0.0	0.2	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-0.4 1.4	-0.6	-0.8	-0.9	0.6	0.7	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X12.D
 Lims ID: IC std1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 13-Jun-2023 00:42:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086386-013
 Misc. Info.: IC STD1
 Operator ID: gaw91131 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub4
 Method: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 14-Jun-2023 15:47:53 Calib Date: 13-Jun-2023 02:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1669

First Level Reviewer: DVW2

Date: 14-Jun-2023 07:54:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.904	1.898	0.006	97	19006	0.2000	0.1976	
5 Chloromethane	50	2.081	2.087	-0.007	98	22756	0.2000	0.1997	
6 Vinyl chloride	62	2.202	2.197	0.005	96	20853	0.2000	0.1957	
7 Butadiene	39	2.196	2.203	-0.007	93	21811	0.2000	0.2275	M
9 Bromomethane	94	2.513	2.520	-0.007	89	13987	0.2000	0.1908	
10 Chloroethane	64	2.605	2.593	0.012	96	12099	0.2000	0.1932	
11 Dichlorofluoromethane	67	2.849	2.837	0.012	97	32689	0.2000	0.2203	
12 Trichlorofluoromethane	101	2.904	2.904	0.000	86	18309	0.2000	0.1631	
13 Ethyl ether	59	3.117	3.111	0.006	93	10991	0.2000	0.1777	M
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.227	3.209	0.018	83	18116	0.2000	0.2027	
17 Acrolein	56	3.294	3.288	0.006	99	74876	10.0	9.85	
18 1,1-Dichloroethene	96	3.428	3.422	0.006	97	13332	0.2000	0.2023	
19 Acetone	43	3.477	3.452	0.025	60	31115	2.00	3.41	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.458	3.458	0.000	91	12442	0.2000	0.1960	
21 Isopropyl alcohol	45	3.617	3.587	0.031	33	12452	4.00	6.61	M
22 Iodomethane	142	3.611	3.605	0.006	99	23728	0.2000	0.1909	
23 Ethyl bromide	108	3.641	3.629	0.012	91	11671	0.1998	0.1975	
24 Carbon disulfide	76	3.714	3.708	0.006	98	43486	0.2000	0.1921	
25 Methyl acetate	43	3.855	3.843	0.012	20	4747	0.2000	0.1904	M
27 3-Chloro-1-propene	41	3.873	3.867	0.006	92	22449	0.2000	0.1960	
29 Methylene Chloride	84	4.062	4.050	0.012	86	15155	0.2000	0.2007	
* 30 t-Butyl alcohol-d10 (IS)	65	4.050	4.098	-0.048	75	212111	50.0	50.0	M
31 2-Methyl-2-propanol	59	4.178	4.214	-0.036	44	16485	4.00	4.40	M
32 Acrylonitrile	53	4.385	4.379	0.006	26	6315	0.5000	0.4659	
34 trans-1,2-Dichloroethene	96	4.458	4.446	0.012	98	15401	0.2000	0.1999	
33 Methyl tert-butyl ether	73	4.476	4.452	0.024	86	39162	0.2000	0.1901	
35 Hexane	57	4.885	4.879	0.006	92	19663	0.2000	0.2098	
37 1,1-Dichloroethane	63	5.116	5.111	0.005	95	26305	0.2000	0.1957	
38 Isopropyl ether	45	5.196	5.178	0.018	96	48479	0.2000	0.1901	
39 2-Chloro-1,3-butadiene	53	5.232	5.226	0.006	91	21505	0.2000	0.1901	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.714	5.720	-0.006	96	44909	0.2000	0.1842	M
41 2-Butanone (MEK)	43	5.940	5.921	0.019	99	36348	2.00	1.88	
42 cis-1,2-Dichloroethene	96	5.952	5.952	0.000	83	17152	0.2000	0.2001	
43 2,2-Dichloropropane	77	5.970	5.964	0.006	66	22687	0.2000	0.2044	
45 Propionitrile	54	6.025	6.007	0.018	96	17803	4.00	3.77	
S 47 1,2-Dichloroethene, Total	100				0			0.4000	
48 Methacrylonitrile	67	6.226	6.226	0.000	90	36591	2.00	1.82	
49 Chlorobromomethane	128	6.299	6.281	0.018	72	7348	0.2000	0.1976	M
50 Tetrahydrofuran	71	6.299	6.287	0.012	83	6016	1.00	1.02	
51 Chloroform	83	6.446	6.434	0.012	92	25936	0.2000	0.1914	
\$ 52 Dibromofluoromethane (Surr)	113	6.659	6.653	0.006	91	715396	10.0	9.99	
53 1,1,1-Trichloroethane	97	6.671	6.665	0.006	48	21631	0.2000	0.1902	
54 Cyclohexane	56	6.763	6.763	-0.001	91	24985	0.2000	0.2075	
55 Carbon tetrachloride	117	6.872	6.872	0.000	91	17395	0.2000	0.1798	
56 1,1-Dichloropropene	75	6.878	6.872	0.006	90	19658	0.2000	0.1929	
58 Isobutyl alcohol	41	7.055	7.049	0.006	91	17401	10.0	11.9	M
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.104	7.098	0.006	65	150387	10.0	10.0	
60 Benzene	78	7.140	7.135	0.005	94	60343	0.2000	0.1916	
61 1,2-Dichloroethane	62	7.201	7.208	-0.007	95	17714	0.2000	0.2032	
63 Tert-amyl methyl ether	73	7.342	7.342	0.000	98	42339	0.2000	0.1892	
* 64 Fluorobenzene (IS)	96	7.549	7.549	0.000	99	2994368	10.0	10.0	
65 n-Heptane	43	7.555	7.561	-0.006	36	21476	0.2000	0.2195	
67 n-Butanol	56	7.970	7.939	0.031	92	17627	17.5	15.5	
68 Trichloroethene	95	8.031	8.025	0.006	96	16352	0.2000	0.1975	
69 Methylcyclohexane	83	8.335	8.329	0.006	92	24517	0.2000	0.1975	
70 1,2-Dichloropropane	63	8.360	8.360	0.000	90	15099	0.2000	0.1847	
71 2-ethoxy-2-methyl butane	87	8.378	8.378	0.000	93	24059	0.2000	0.1910	
72 Methyl methacrylate	69	8.463	8.451	0.012	90	7656	0.2000	0.1881	M
73 1,4-Dioxane	88	8.476	8.458	0.018	1	951	10.0	4.16	M
74 Dibromomethane	93	8.469	8.464	0.005	94	6969	0.2000	0.1784	
76 Dichlorobromomethane	83	8.707	8.707	0.000	98	18048	0.2000	0.1808	
77 2-Nitropropane	41	8.982	8.982	0.000	98	12251	1.00	1.07	
79 1-Bromo-2-chloroethane	63	9.110	9.098	0.012	97	17169	0.2000	0.1890	
81 cis-1,3-Dichloropropene	75	9.268	9.262	0.006	96	22282	0.2000	0.1781	
82 4-Methyl-2-pentanone (MIBK)	43	9.457	9.451	0.006	97	100269	2.00	1.84	
\$ 83 Toluene-d8 (Surr)	98	9.579	9.579	0.000	94	3021503	10.0	10.0	
84 Toluene	92	9.664	9.658	0.006	99	39390	0.2000	0.1950	
85 trans-1,3-Dichloropropene	75	9.933	9.927	0.006	93	18901	0.2000	0.1772	
86 Ethyl methacrylate	69	10.000	9.994	0.006	89	15261	0.2000	0.1742	
S 106 1,3-Dichloropropene, Total	100				0			0.3554	
107 1,1,2-Trichloroethane	97	10.134	10.128	0.006	89	11930	0.2000	0.1968	
108 Tetrachloroethene	166	10.219	10.219	0.000	96	17027	0.2000	0.1978	
109 1,3-Dichloropropane	76	10.298	10.293	0.005	92	19198	0.2000	0.1875	
110 2-Hexanone	43	10.365	10.360	0.005	96	63961	2.00	1.67	
112 Chlorodibromomethane	129	10.512	10.512	0.000	90	12611	0.2000	0.1775	
113 Ethylene Dibromide	107	10.628	10.622	0.006	99	9990	0.2000	0.1766	
* 114 Chlorobenzene-d5 (IS)	117	11.060	11.060	0.000	86	2327406	10.0	10.0	
115 1-Chlorohexane	91	11.073	11.073	0.000	86	25942	0.2000	0.2249	
116 Chlorobenzene	112	11.085	11.085	0.000	97	44747	0.2000	0.1928	
117 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	93	14121	0.2000	0.1791	
118 Ethylbenzene	91	11.176	11.176	0.000	98	75226	0.2000	0.1920	
S 119 Xylenes, Total	106				0			0.5692	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 m-Xylene & p-Xylene	106	11.292	11.292	0.000	100	56428	0.4000	0.3781	
121 o-Xylene	106	11.621	11.622	-0.001	96	28326	0.2000	0.1911	
122 Styrene	104	11.646	11.640	0.006	94	45842	0.2000	0.1825	
123 Bromoform	173	11.798	11.792	0.006	95	8027	0.2000	0.1787	
124 Isopropylbenzene	105	11.926	11.926	0.000	95	71858	0.2000	0.1888	
\$ 127 4-Bromofluorobenzene (Surr)	95	12.066	12.067	-0.001	89	1158126	10.0	9.96	
128 1,1,2,2-Tetrachloroethane	83	12.176	12.170	0.006	93	14749	0.2000	0.1872	
129 Bromobenzene	156	12.182	12.182	0.000	95	18306	0.2000	0.1914	
130 trans-1,4-Dichloro-2-butene	53	12.200	12.201	-0.001	94	32859	2.00	1.65	
131 1,2,3-Trichloropropane	110	12.219	12.219	0.000	77	3879	0.2000	0.1917	
132 N-Propylbenzene	91	12.255	12.256	-0.001	99	85017	0.2000	0.1866	
133 2-Chlorotoluene	126	12.335	12.329	0.006	96	17015	0.2000	0.1832	
134 1,3,5-Trimethylbenzene	105	12.396	12.390	0.006	94	62014	0.2000	0.1884	
135 4-Chlorotoluene	126	12.426	12.426	0.000	97	17145	0.2000	0.1772	
136 tert-Butylbenzene	134	12.633	12.634	-0.001	93	14173	0.2000	0.1998	M
137 Pentachloroethane	167	12.670	12.664	0.006	83	10432	0.2000	0.1707	
138 1,2,4-Trimethylbenzene	105	12.682	12.676	0.006	97	63177	0.2000	0.1841	
139 sec-Butylbenzene	105	12.798	12.798	0.000	94	81700	0.2000	0.1946	
140 1,3-Dichlorobenzene	146	12.902	12.896	0.006	98	37032	0.2000	0.1919	
141 4-Isopropyltoluene	119	12.908	12.908	0.000	98	69459	0.2000	0.1876	
* 142 1,4-Dichlorobenzene-d4	152	12.950	12.950	0.000	95	1281544	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.969	12.969	0.000	94	39456	0.2000	0.2040	
144 1,2,3-Trimethylbenzene	120	12.981	12.981	0.000	98	28135	0.2000	0.1789	
145 Benzyl chloride	126	13.054	13.048	0.006	98	5209	0.2000	0.1706	
146 p-Diethylbenzene	119	13.109	13.109	0.000	92	42514	0.2000	0.1884	
147 n-Butylbenzene	92	13.200	13.200	0.000	98	37318	0.2000	0.1929	
148 1,2-Dichlorobenzene	146	13.237	13.231	0.006	98	34720	0.2000	0.1884	
150 1,2-Dibromo-3-Chloropropane	155	13.779	13.774	0.005	81	1388	0.2000	0.1317	
151 1,3,5-Trichlorobenzene	180	13.901	13.895	0.006	96	28948	0.2000	0.1838	
152 1,2,4-Trichlorobenzene	180	14.328	14.322	0.006	94	24976	0.2000	0.1803	
153 Hexachlorobutadiene	225	14.407	14.401	0.006	98	12515	0.2000	0.1913	
154 Naphthalene	128	14.505	14.499	0.006	97	41467	0.2000	0.1722	
155 1,2,3-Trichlorobenzene	180	14.645	14.645	0.000	96	22038	0.2000	0.1824	
156 2-Methylnaphthalene	142	15.267	15.255	0.012	92	21670	0.2000	0.1610	
167 Pentane	43	2.873	2.916	-0.043	36	380	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00080	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00155	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00091	Amount Added: 2.00	Units: uL	
MSV_29_826ISS_00046	Amount Added: 1.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X12.D

Injection Date: 13-Jun-2023 00:42:30

Instrument ID: 16334

Operator ID: gaw91131

Lims ID: IC std1

Worklist Smp#: 13

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

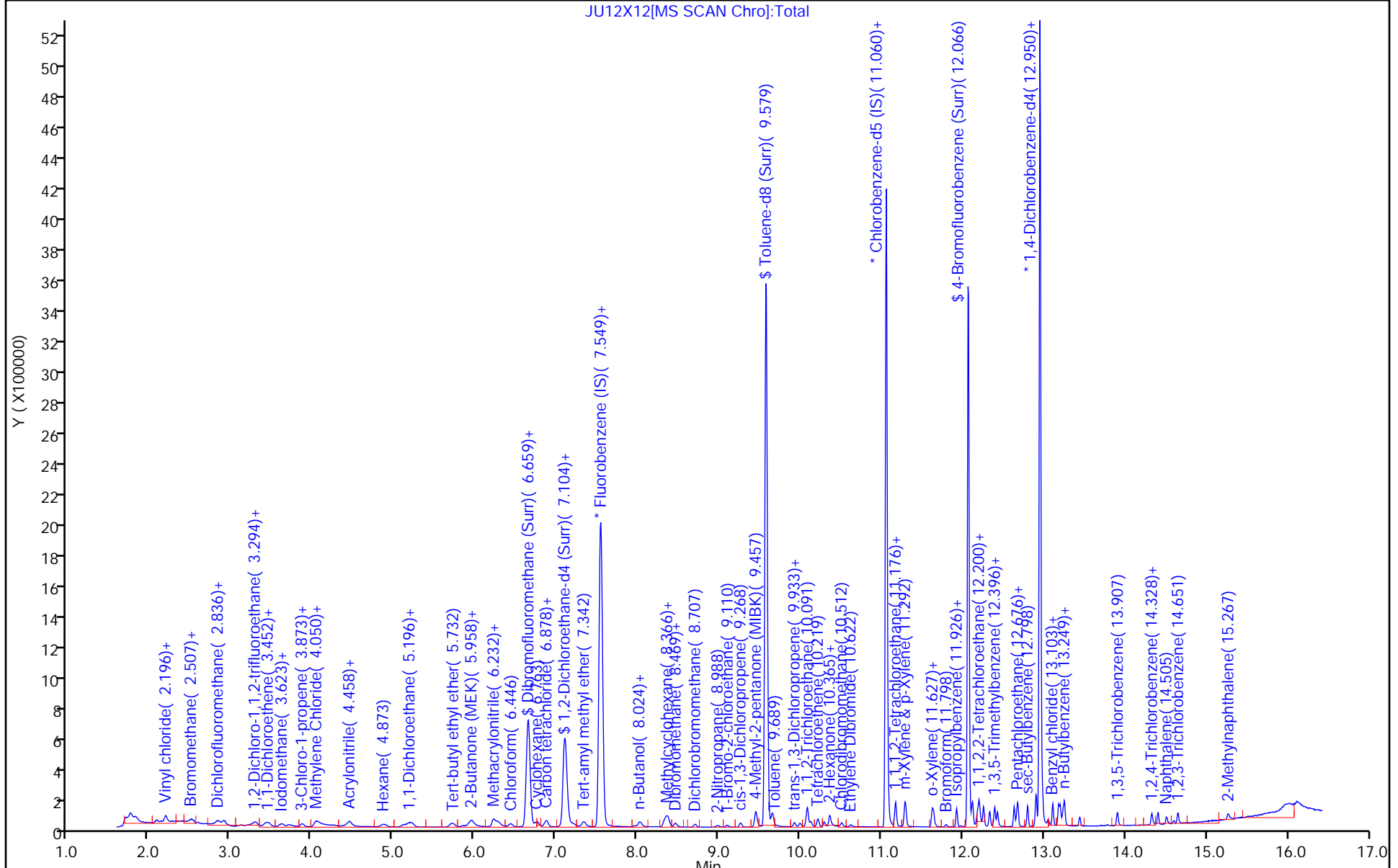
ALS Bottle#: 12

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

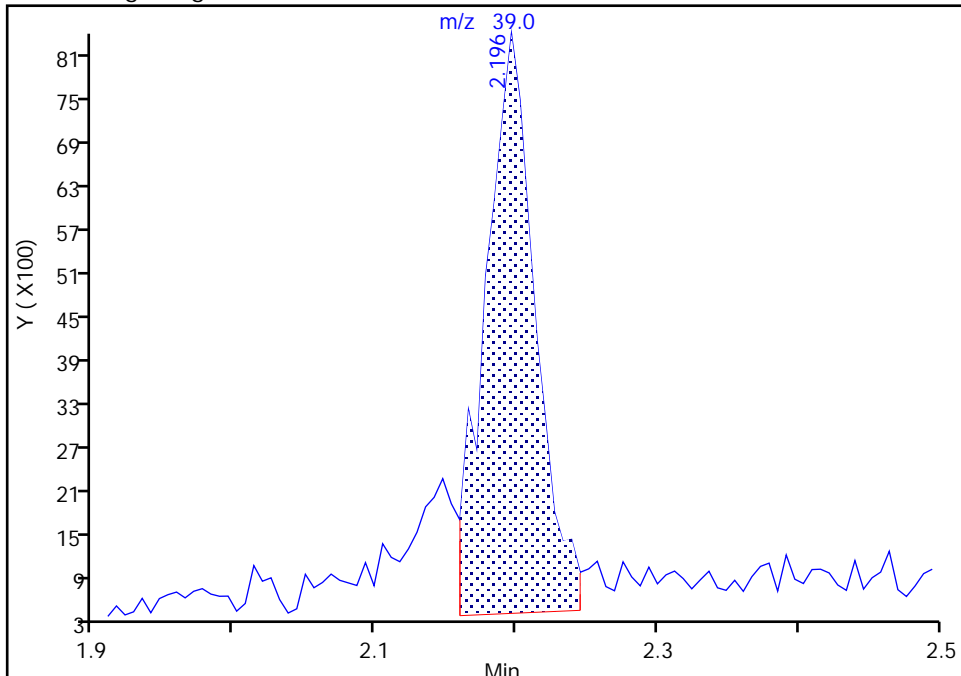
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Injection Date: 13-Jun-2023 00:42:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

7 Butadiene, CAS: 106-99-0

Signal: 1

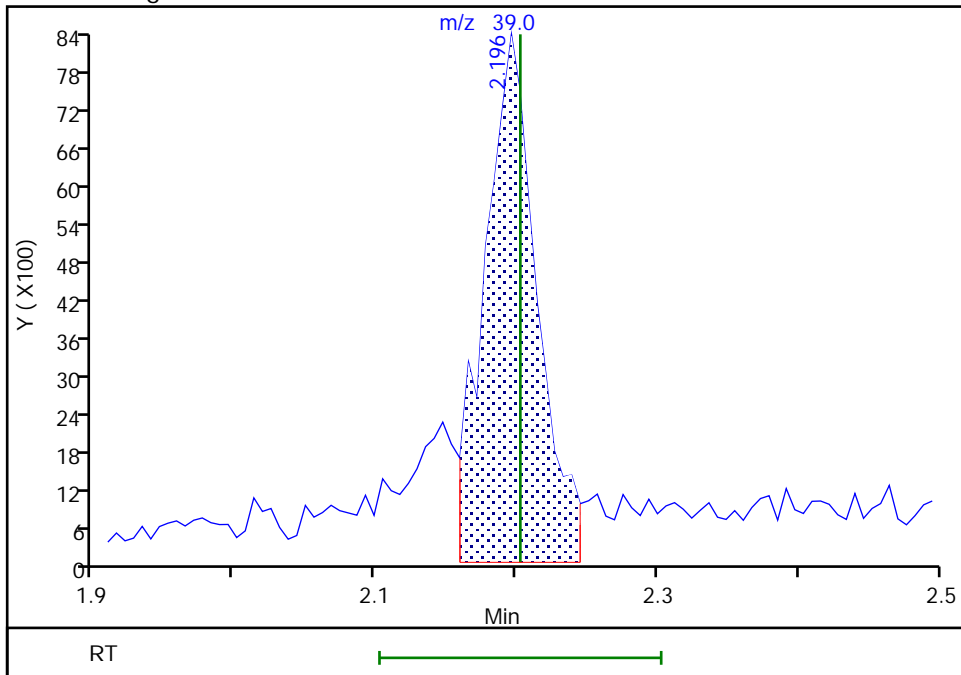
RT: 2.20
Area: 19844
Amount: 0.200000
Amount Units: ug/l

Processing Integration Results



RT: 2.20
Area: 21811
Amount: 0.227462
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 11:32:08 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

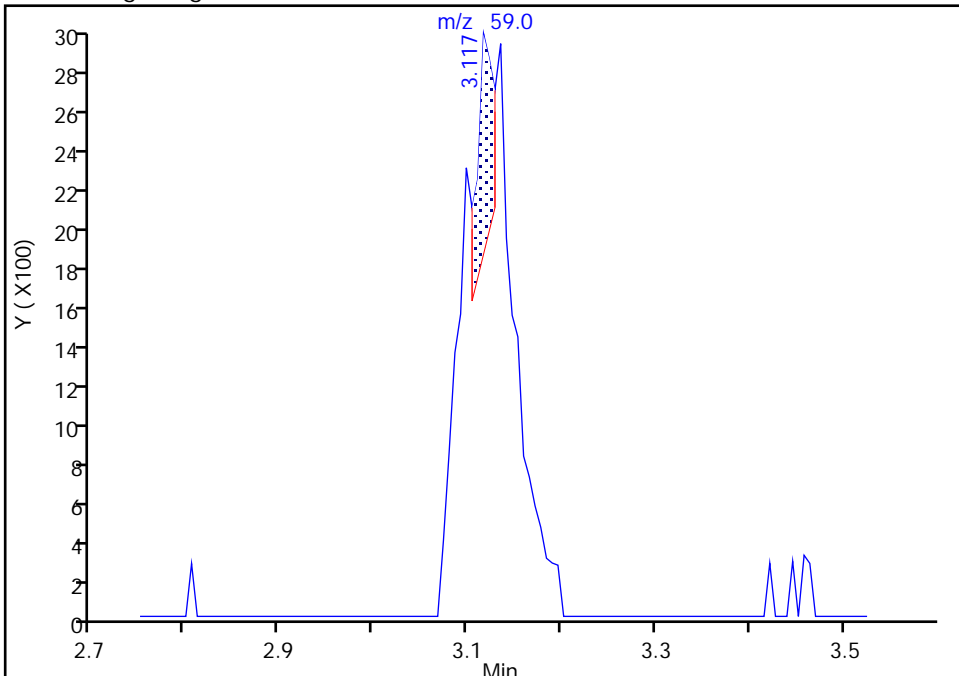
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Injection Date: 13-Jun-2023 00:42:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

13 Ethyl ether, CAS: 60-29-7

Signal: 1

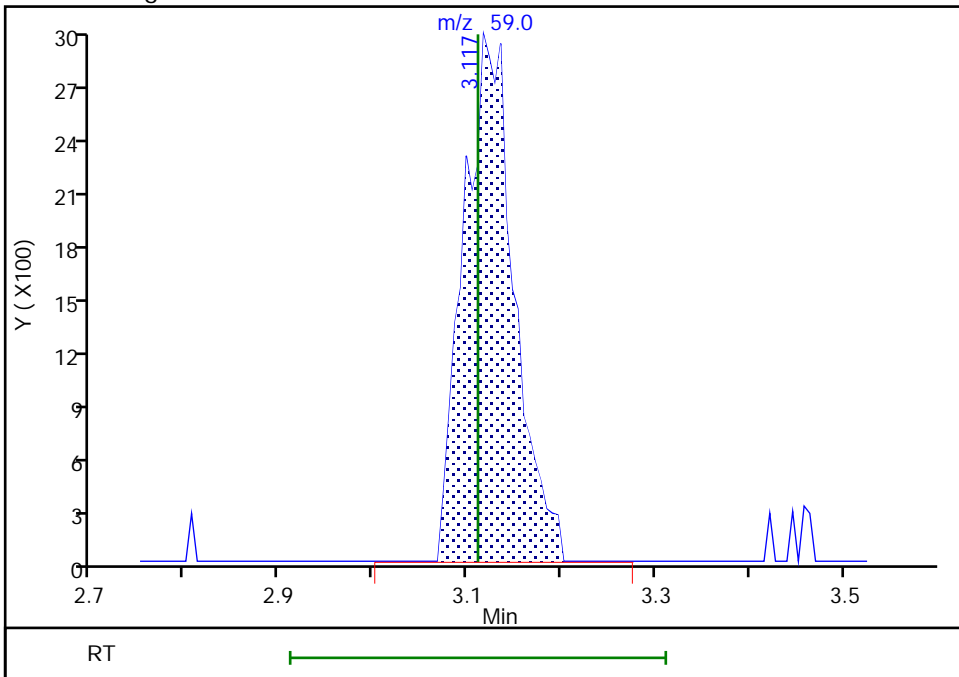
RT: 3.12
Area: 1295
Amount: 0.200027
Amount Units: ug/l

Processing Integration Results



RT: 3.12
Area: 10991
Amount: 0.177712
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 11:32:16 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

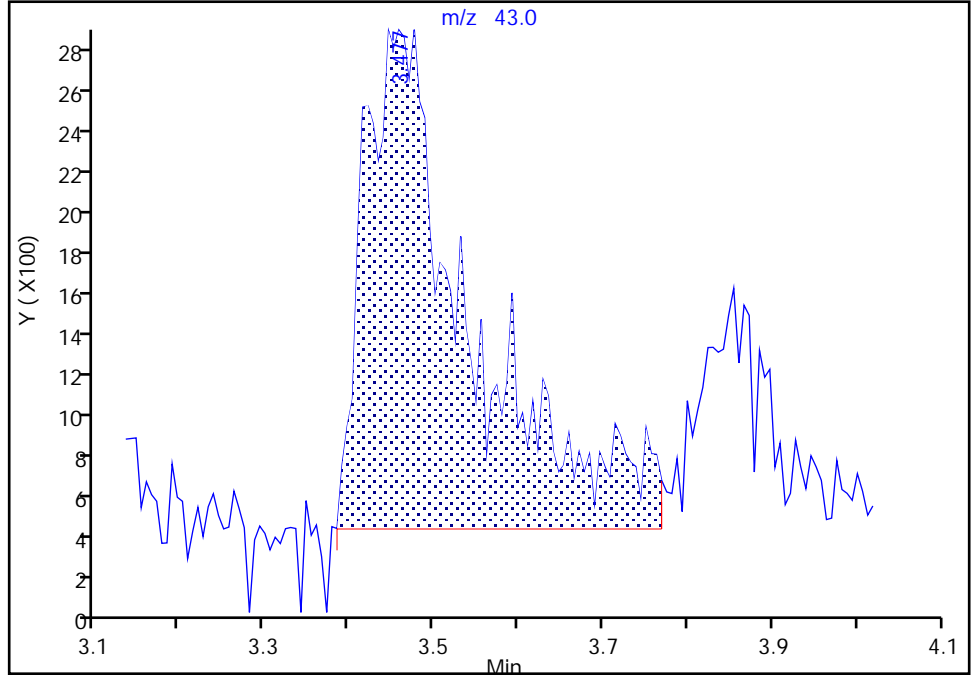
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Injection Date: 13-Jun-2023 00:42:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

19 Acetone, CAS: 67-64-1

Signal: 1

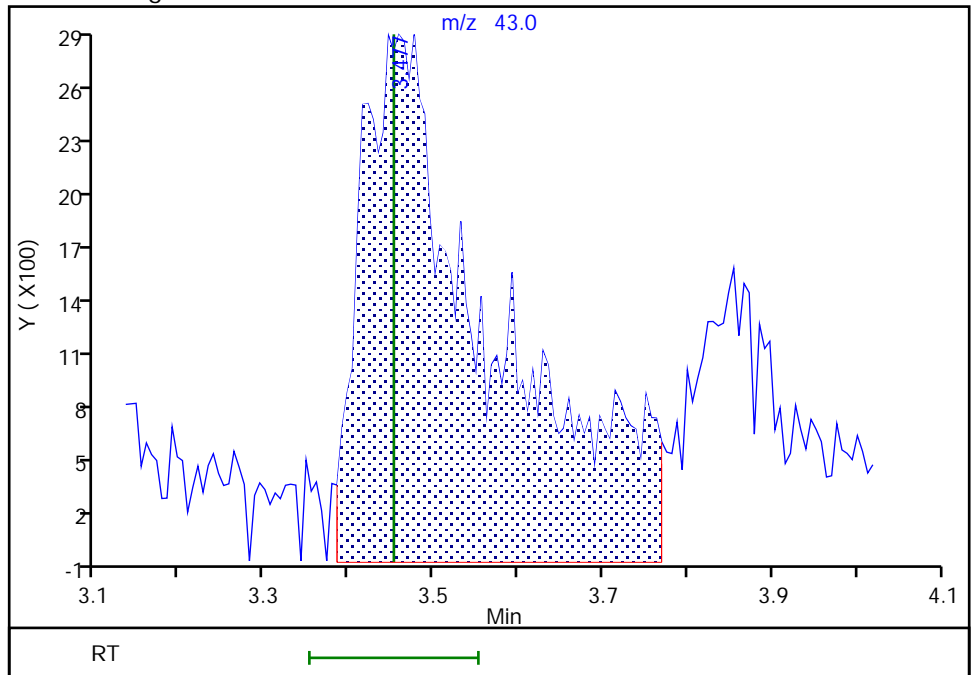
RT: 3.48
Area: 21399
Amount: 2.000000
Amount Units: ug/l

Processing Integration Results



RT: 3.48
Area: 31115
Amount: 3.409107
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 11:32:25 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

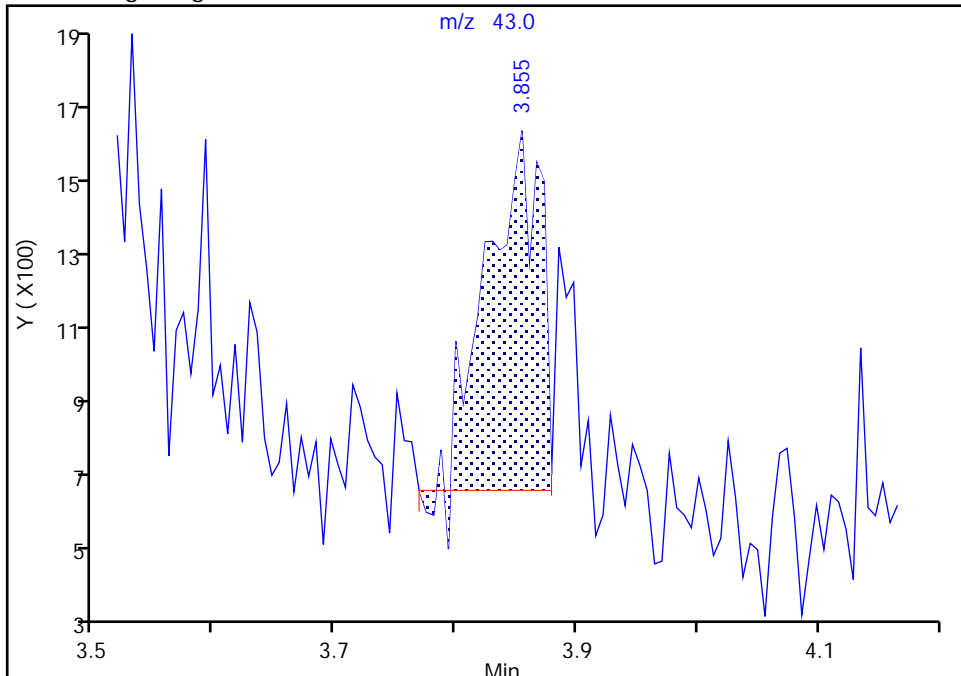
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Injection Date: 13-Jun-2023 00:42:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Methyl acetate, CAS: 79-20-9

Signal: 1

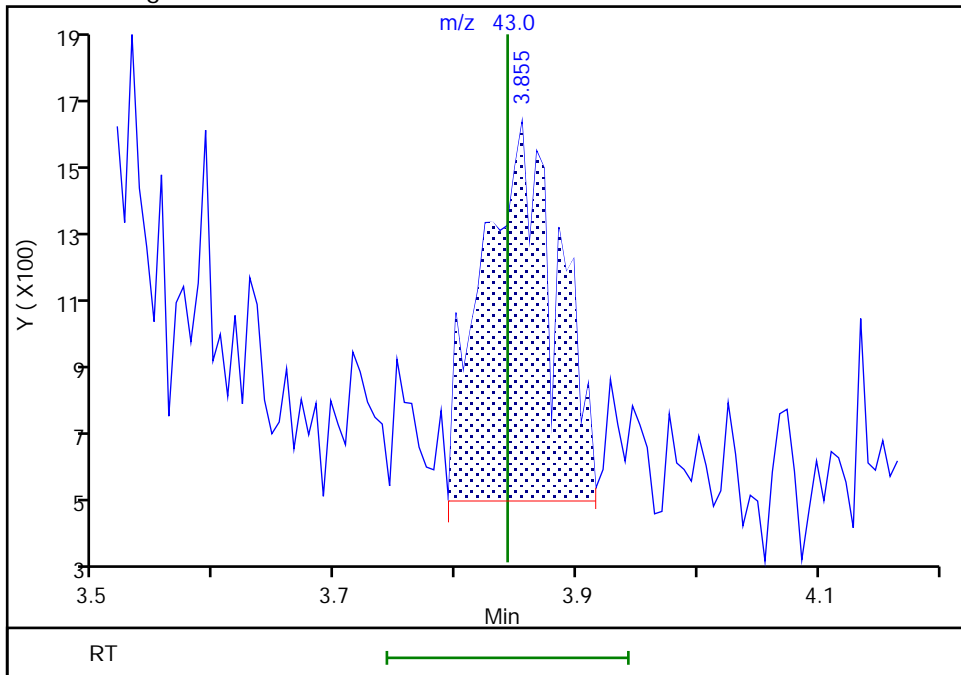
RT: 3.85
Area: 2876
Amount: 0.200000
Amount Units: ug/l

Processing Integration Results



RT: 3.85
Area: 4747
Amount: 0.190376
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 11:32:51 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Euofins Lancaster Laboratories Environment Testing, LLC

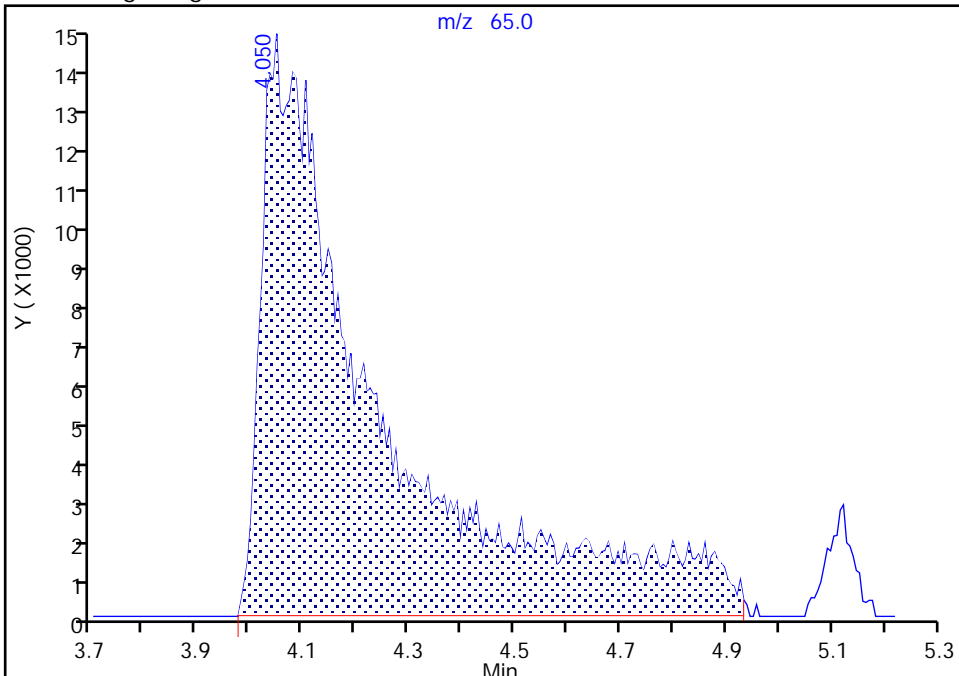
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Injection Date: 13-Jun-2023 00:42:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

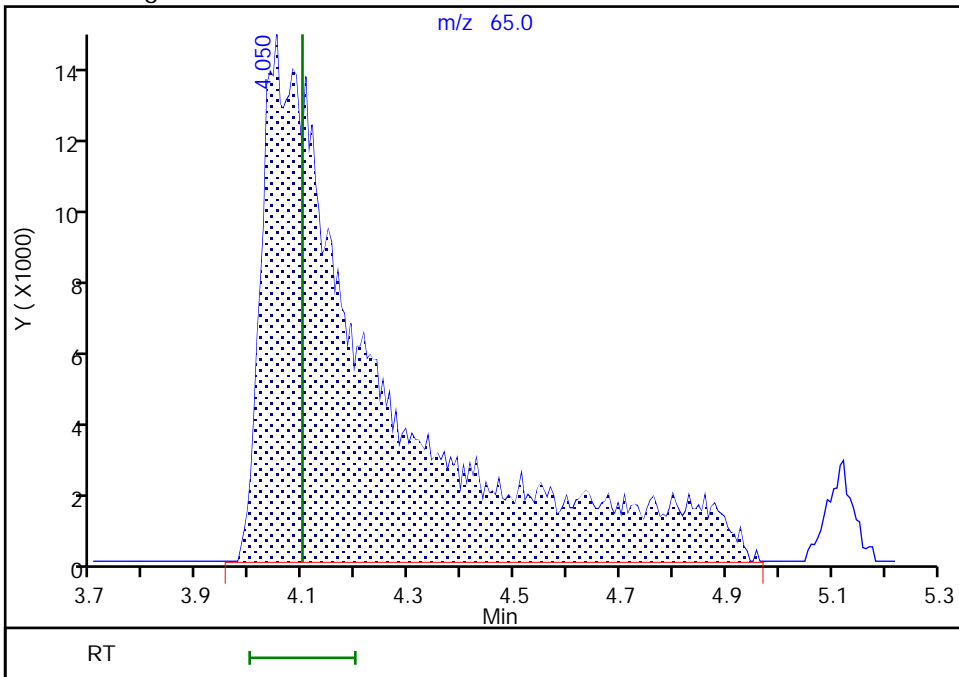
Processing Integration Results

RT: 4.05
Area: 211904
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 4.05
Area: 212111
Amount: 50.000000
Amount Units: ug/l



Reviewer: DVW2, 14-Jun-2023 07:54:23 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

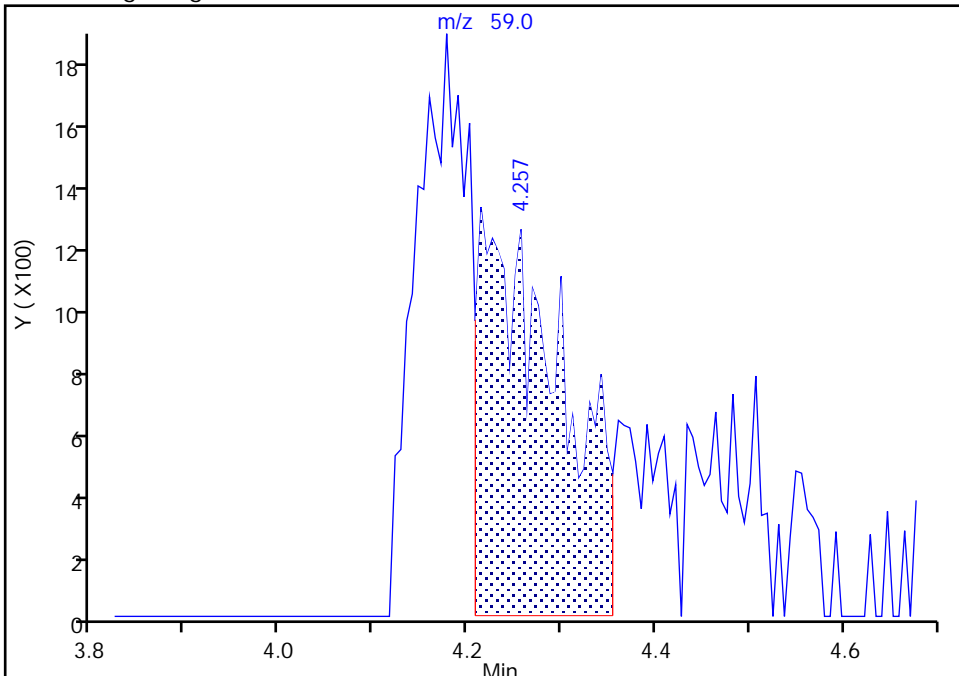
Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X12.D
Injection Date: 13-Jun-2023 00:42:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

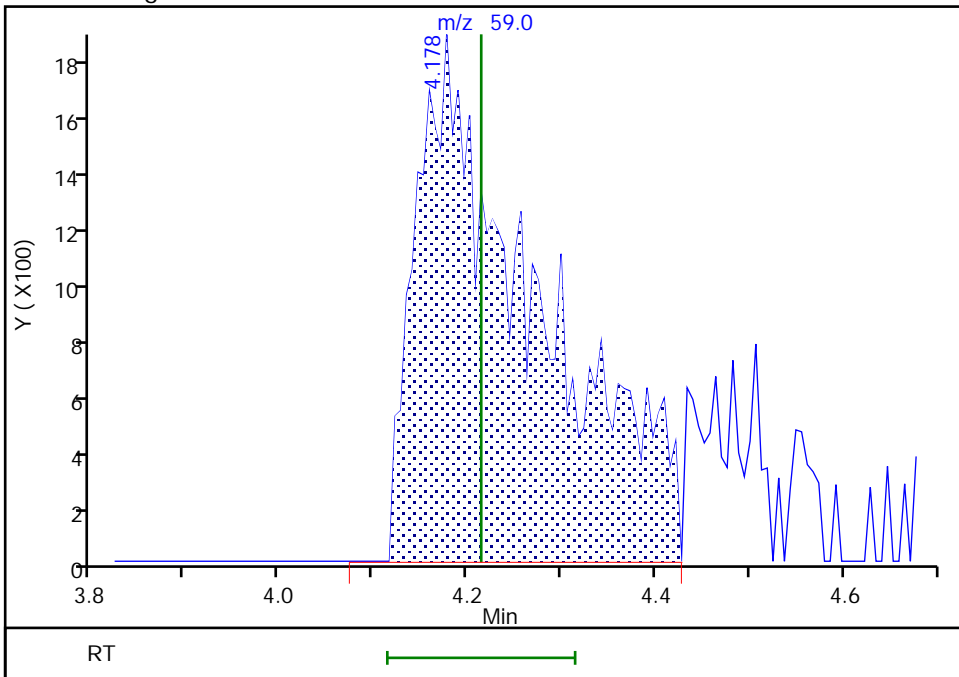
RT: 4.26
Area: 7729
Amount: 4.000000
Amount Units: ug/l

Processing Integration Results



RT: 4.18
Area: 16485
Amount: 4.402999
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 11:33:02 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

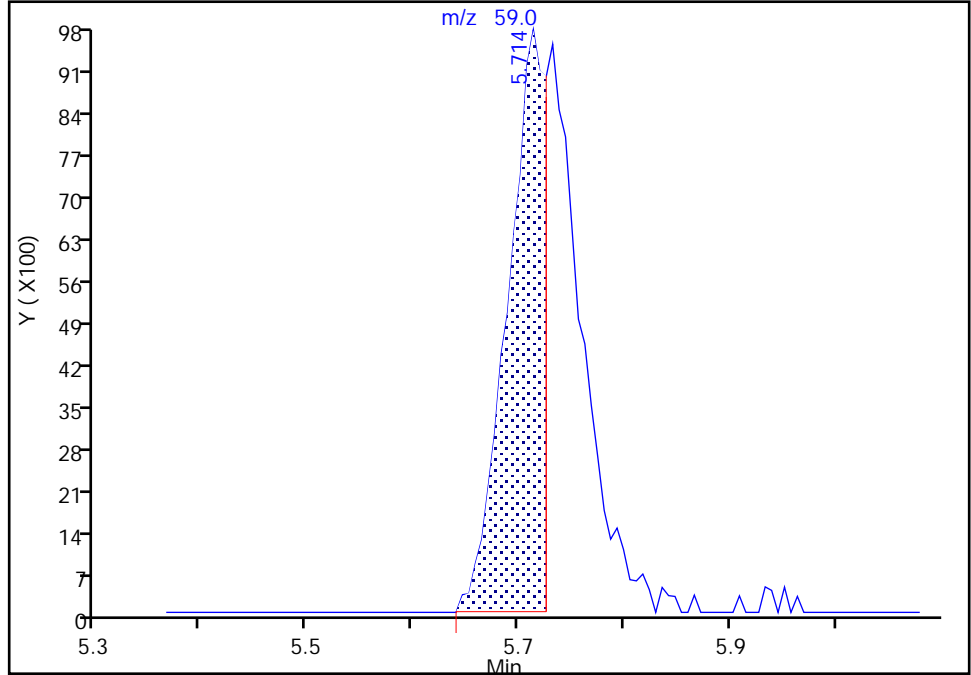
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Injection Date: 13-Jun-2023 00:42:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

40 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

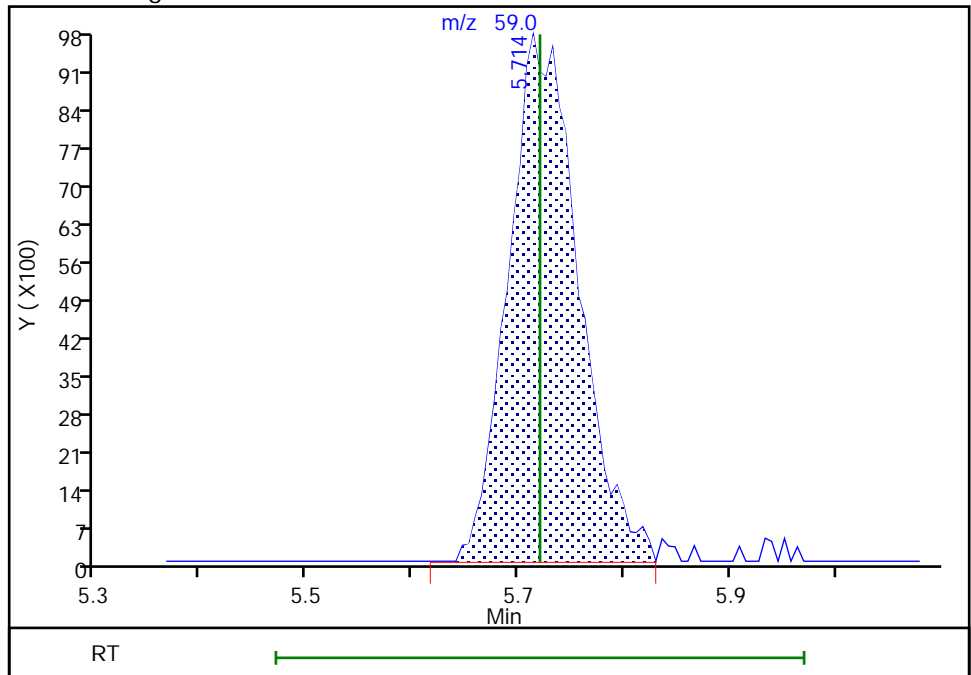
RT: 5.71
Area: 24723
Amount: 0.200000
Amount Units: ug/l

Processing Integration Results



RT: 5.71
Area: 44909
Amount: 0.184187
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 11:33:13 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

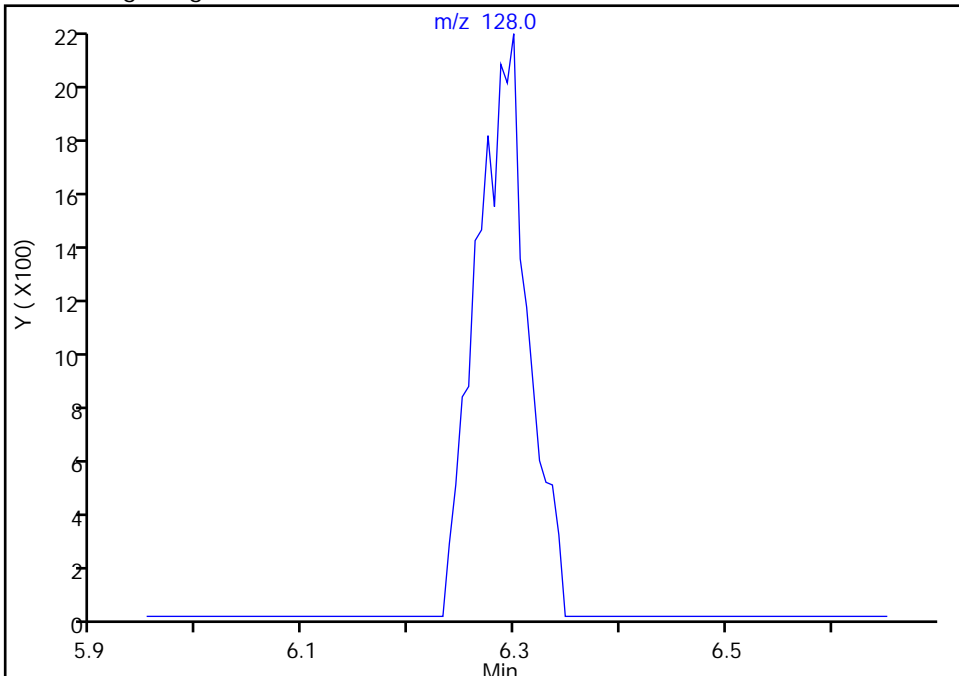
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Injection Date: 13-Jun-2023 00:42:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

49 Chlorobromomethane, CAS: 74-97-5

Signal: 1

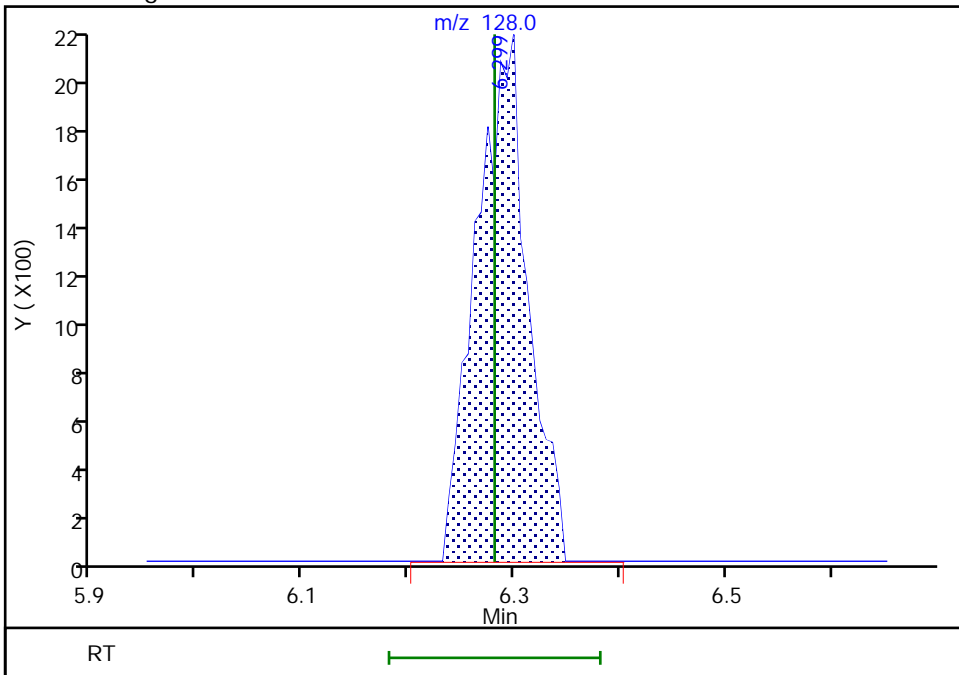
Not Detected
Expected RT: 6.28

Processing Integration Results



Manual Integration Results

RT: 6.30
Area: 7348
Amount: 0.197646
Amount Units: ug/l



Eurofins Lancaster Laboratories Environment Testing, LLC

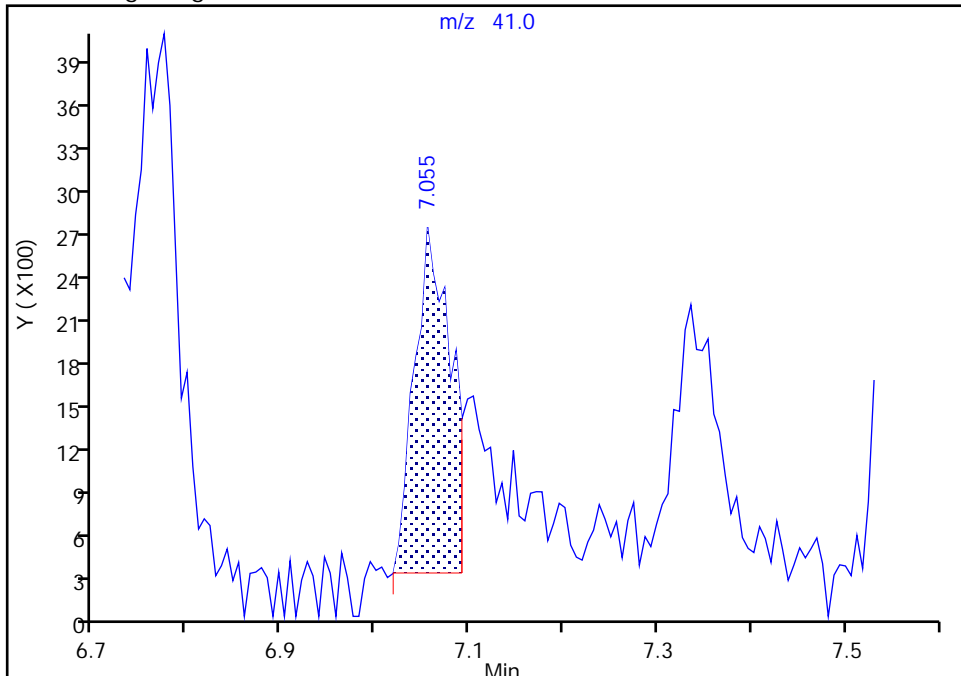
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Injection Date: 13-Jun-2023 00:42:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

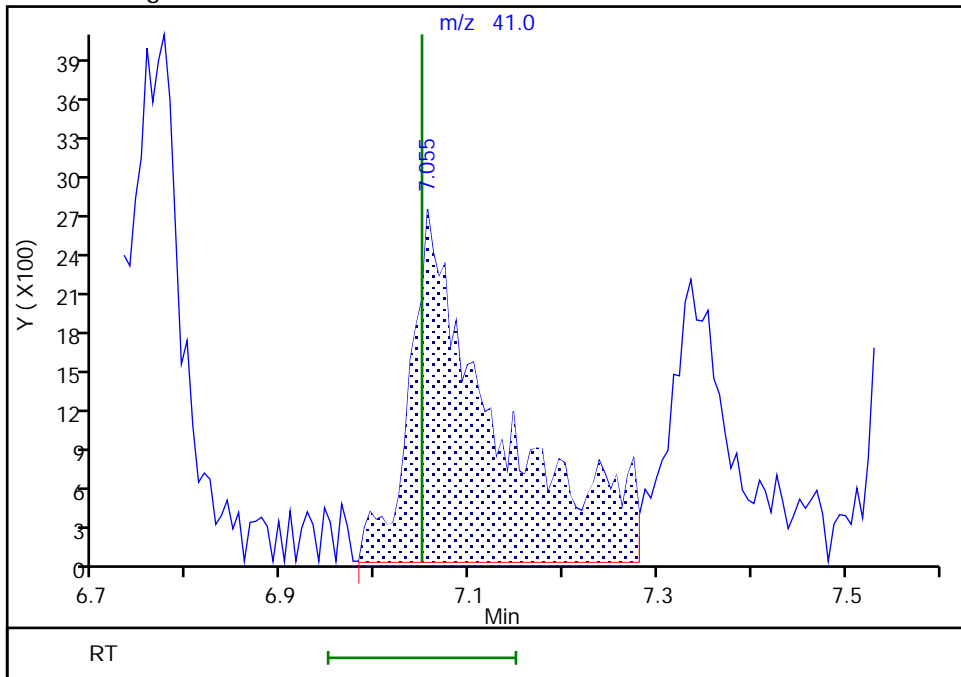
RT: 7.06
Area: 6481
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 7.06
Area: 17401
Amount: 11.924095
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 14-Jun-2023 15:13:09 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

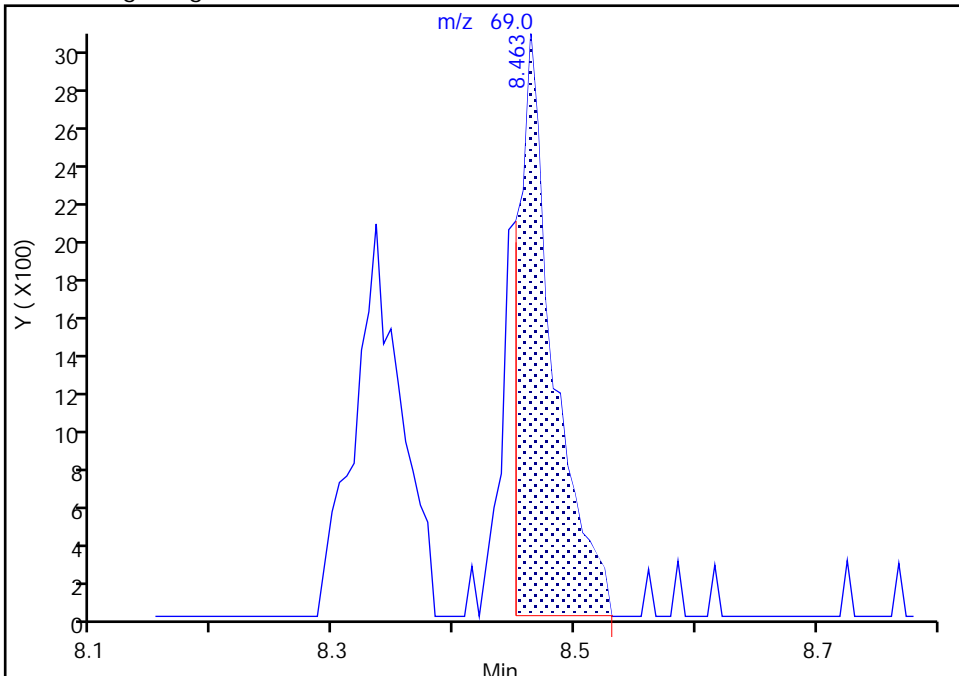
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Injection Date: 13-Jun-2023 00:42:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

72 Methyl methacrylate, CAS: 80-62-6

Signal: 1

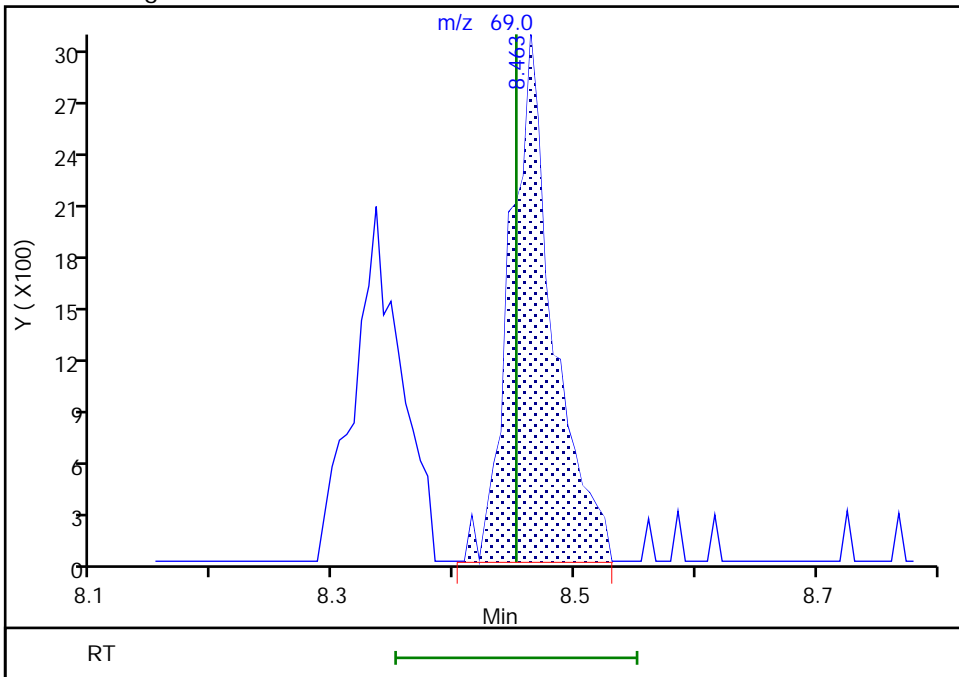
RT: 8.46
Area: 6214
Amount: 0.200000
Amount Units: ug/l

Processing Integration Results



RT: 8.46
Area: 7656
Amount: 0.188148
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 11:33:58 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

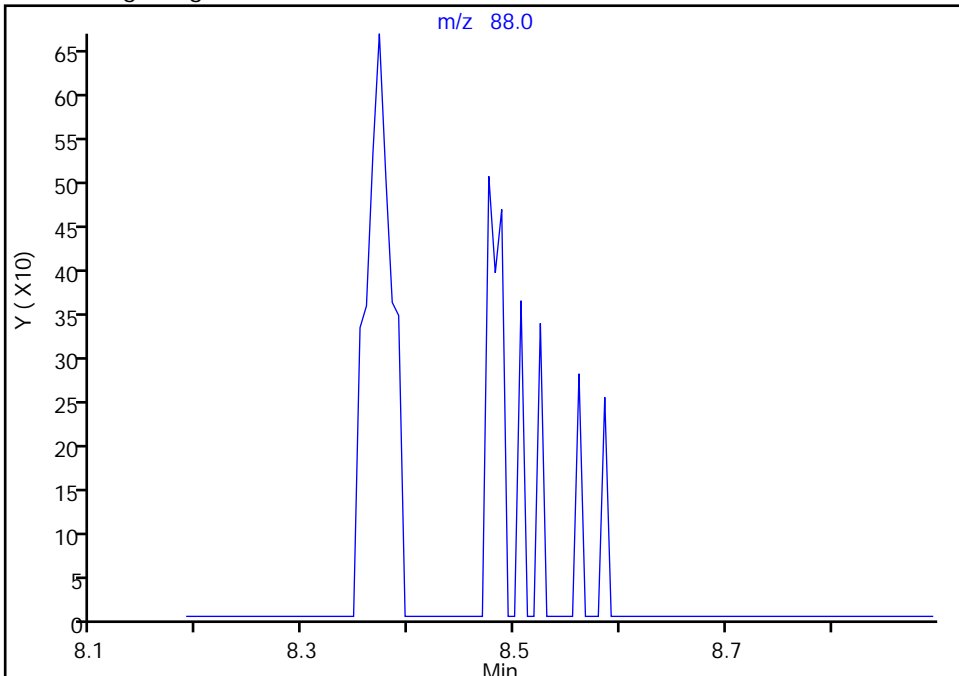
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Injection Date: 13-Jun-2023 00:42:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

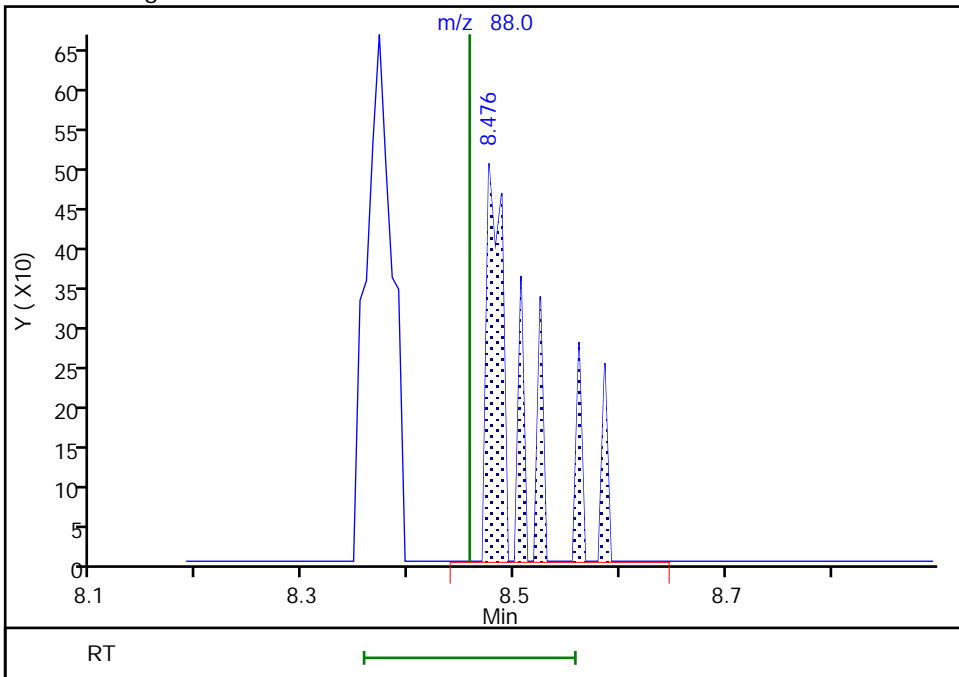
Not Detected
Expected RT: 8.46

Processing Integration Results



Manual Integration Results

RT: 8.48
Area: 951
Amount: 4.164830
Amount Units: ug/l



Reviewer: DVW2, 13-Jun-2023 11:34:01 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

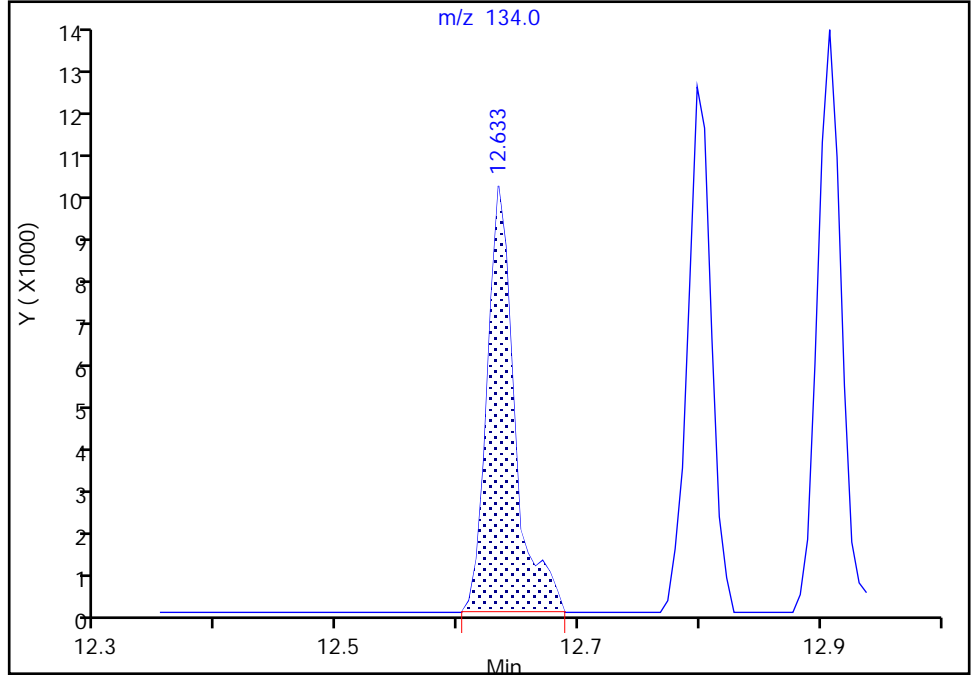
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Injection Date: 13-Jun-2023 00:42:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

136 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

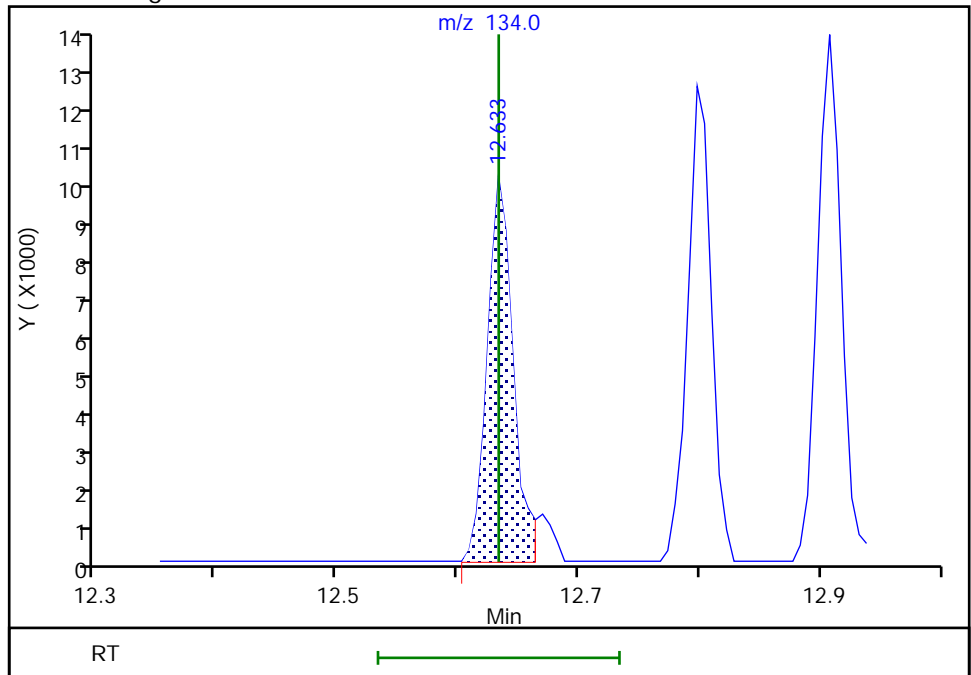
RT: 12.63
Area: 15101
Amount: 0.203964
Amount Units: ug/l

Processing Integration Results



RT: 12.63
Area: 14173
Amount: 0.199781
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 14-Jun-2023 07:57:09 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X13.D
 Lims ID: IC std2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 13-Jun-2023 01:04:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086386-014
 Misc. Info.: IC STD2
 Operator ID: gaw91131 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub4

Method: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 14-Jun-2023 15:48:00 Calib Date: 13-Jun-2023 02:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1669

First Level Reviewer: DVW2

Date: 13-Jun-2023 11:36:32

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	49247	0.5000	0.5213	
5 Chloromethane	50	2.074	2.087	-0.013	98	60385	0.5000	0.5396	
6 Vinyl chloride	62	2.190	2.197	-0.007	97	53269	0.5000	0.5089	
7 Butadiene	39	2.190	2.203	-0.013	93	51309	0.5000	0.5447	M
9 Bromomethane	94	2.507	2.520	-0.013	90	37583	0.5000	0.5220	
10 Chloroethane	64	2.587	2.593	-0.006	99	31487	0.5000	0.5120	
11 Dichlorofluoromethane	67	2.824	2.837	-0.013	97	72021	0.5000	0.4940	
12 Trichlorofluoromethane	101	2.885	2.904	-0.019	96	51432	0.5000	0.4663	
13 Ethyl ether	59	3.117	3.111	0.006	91	30390	0.5001	0.5002	M
16 1,2-Dichloro-1,1,2-trifluoroethane	67	3.214	3.209	0.005	75	46621	0.5000	0.5311	
17 Acrolein	56	3.288	3.288	0.000	99	173174	25.0	25.3	
18 1,1-Dichloroethene	96	3.416	3.422	-0.006	98	32314	0.5000	0.4992	
19 Acetone	43	3.446	3.452	-0.006	81	42971	5.00	5.24	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.452	3.458	-0.006	93	29847	0.5000	0.4785	
21 Isopropyl alcohol	45	3.586	3.587	0.000	34	21172	10.0	11.4	M
22 Iodomethane	142	3.599	3.605	-0.006	98	58003	0.5000	0.4751	
23 Ethyl bromide	108	3.623	3.629	-0.006	97	27378	0.4995	0.4717	
24 Carbon disulfide	76	3.702	3.708	-0.006	99	104582	0.5000	0.4703	
25 Methyl acetate	43	3.849	3.843	0.005	97	11629	0.5000	0.5186	M
27 3-Chloro-1-propene	41	3.867	3.867	0.000	92	53375	0.5000	0.4743	
29 Methylene Chloride	84	4.050	4.050	0.000	92	34379	0.5000	0.4635	
* 30 t-Butyl alcohol-d10 (IS)	65	4.092	4.098	-0.006	98	190762	50.0	50.0	M
31 2-Methyl-2-propanol	59	4.202	4.214	-0.012	68	36639	10.0	10.9	
32 Acrylonitrile	53	4.403	4.379	0.024	86	14145	1.25	1.16	
34 trans-1,2-Dichloroethene	96	4.440	4.446	-0.006	97	36347	0.5000	0.4801	
33 Methyl tert-butyl ether	73	4.434	4.452	-0.018	96	94700	0.5000	0.4679	
35 Hexane	57	4.879	4.879	0.000	93	42160	0.5000	0.4578	
37 1,1-Dichloroethane	63	5.104	5.111	-0.007	96	64142	0.5000	0.4858	
38 Isopropyl ether	45	5.184	5.178	0.006	94	119519	0.5000	0.4772	
39 2-Chloro-1,3-butadiene	53	5.220	5.226	-0.006	90	52485	0.5000	0.4723	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.708	5.720	-0.012	98	113377	0.5000	0.4734	
41 2-Butanone (MEK)	43	5.921	5.921	0.000	99	87637	5.00	5.03	
42 cis-1,2-Dichloroethene	96	5.952	5.952	0.000	82	41912	0.5000	0.4978	
43 2,2-Dichloropropane	77	5.970	5.964	0.006	85	52434	0.5000	0.4808	
45 Propionitrile	54	6.001	6.007	-0.006	98	37461	10.0	8.82	
S 47 1,2-Dichloroethene, Total	100				0			0.9780	
48 Methacrylonitrile	67	6.220	6.226	-0.006	91	90947	5.00	5.04	
49 Chlorobromomethane	128	6.275	6.281	-0.006	91	16529	0.5000	0.4526	
50 Tetrahydrofuran	71	6.299	6.287	0.012	79	13552	2.50	2.55	
51 Chloroform	83	6.439	6.434	0.005	92	62910	0.5000	0.4727	
\$ 52 Dibromofluoromethane (Surr)	113	6.647	6.653	-0.006	94	702164	10.0	9.98	
53 1,1,1-Trichloroethane	97	6.671	6.665	0.006	29	53764	0.5000	0.4813	M
54 Cyclohexane	56	6.756	6.763	-0.007	90	55595	0.5000	0.4700	
55 Carbon tetrachloride	117	6.878	6.872	0.006	87	44966	0.5000	0.4731	
56 1,1-Dichloropropene	75	6.872	6.872	0.000	93	46927	0.5000	0.4688	
58 Isobutyl alcohol	41	7.055	7.049	0.006	90	34344	25.0	24.0	M
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.104	7.098	0.006	70	148846	10.0	10.1	
60 Benzene	78	7.134	7.135	-0.001	96	148654	0.5000	0.4805	
61 1,2-Dichloroethane	62	7.202	7.208	-0.006	97	42427	0.5000	0.4955	
63 Tert-amyl methyl ether	73	7.336	7.342	-0.006	99	104051	0.5000	0.4734	
* 64 Fluorobenzene (IS)	96	7.543	7.549	-0.006	99	2941454	10.0	10.0	
65 n-Heptane	43	7.555	7.561	-0.006	94	44649	0.5000	0.4645	
67 n-Butanol	56	7.957	7.939	0.018	87	42111	43.8	41.1	
68 Trichloroethene	95	8.025	8.025	0.000	97	38143	0.5000	0.4691	
69 Methylcyclohexane	83	8.329	8.329	0.000	91	57821	0.5000	0.4742	
70 1,2-Dichloropropane	63	8.354	8.360	-0.006	94	36861	0.5000	0.4590	
71 2-ethoxy-2-methyl butane	87	8.378	8.378	0.000	93	57643	0.5000	0.4659	
72 Methyl methacrylate	69	8.457	8.451	0.006	93	18259	0.5000	0.4989	
73 1,4-Dioxane	88	8.457	8.458	-0.001	21	3530	25.0	17.2	M
74 Dibromomethane	93	8.470	8.464	0.006	96	17736	0.5000	0.4621	
76 Dichlorobromomethane	83	8.701	8.707	-0.006	99	44957	0.5000	0.4585	
77 2-Nitropropane	41	8.982	8.982	0.000	99	26527	2.50	2.56	
79 1-Bromo-2-chloroethane	63	9.091	9.098	-0.007	98	42158	0.5000	0.4724	
81 cis-1,3-Dichloropropene	75	9.262	9.262	0.000	95	54393	0.5000	0.4426	
82 4-Methyl-2-pentanone (MIBK)	43	9.451	9.451	0.000	97	251009	5.00	5.12	
\$ 83 Toluene-d8 (Surr)	98	9.579	9.579	0.000	93	2968062	10.0	9.95	
84 Toluene	92	9.658	9.658	0.000	98	95122	0.5000	0.4755	
85 trans-1,3-Dichloropropene	75	9.927	9.927	0.000	93	46418	0.5000	0.4396	
86 Ethyl methacrylate	69	9.994	9.994	0.000	89	38276	0.5000	0.4411	
S 106 1,3-Dichloropropene, Total	100				0			0.8822	
107 1,1,2-Trichloroethane	97	10.128	10.128	0.000	91	28129	0.5000	0.4685	
108 Tetrachloroethene	166	10.213	10.219	-0.006	96	39953	0.5000	0.4687	
109 1,3-Dichloropropane	76	10.298	10.293	0.005	90	48624	0.5000	0.4795	
110 2-Hexanone	43	10.359	10.360	-0.001	96	166145	5.00	4.81	
112 Chlorodibromomethane	129	10.512	10.512	0.000	90	31589	0.5000	0.4491	
113 Ethylene Dibromide	107	10.622	10.622	0.000	96	26417	0.5000	0.4716	
* 114 Chlorobenzene-d5 (IS)	117	11.061	11.060	0.001	85	2304679	10.0	10.0	
115 1-Chlorohexane	91	11.073	11.073	0.000	99	56087	0.5000	0.4910	
116 Chlorobenzene	112	11.085	11.085	0.000	96	110660	0.5000	0.4815	
117 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	95	36248	0.5000	0.4642	
118 Ethylbenzene	91	11.176	11.176	0.000	98	185669	0.5000	0.4786	
S 119 Xylenes, Total	106				0			1.40	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 m-Xylene & p-Xylene	106	11.292	11.292	0.000	100	137800	1.00	0.9325	
121 o-Xylene	106	11.621	11.622	-0.001	97	69103	0.5000	0.4708	
122 Styrene	104	11.640	11.640	0.000	95	111718	0.5000	0.4492	
123 Bromoform	173	11.792	11.792	0.000	95	19443	0.5000	0.4372	
124 Isopropylbenzene	105	11.926	11.926	0.000	96	177328	0.5000	0.4705	
\$ 127 4-Bromofluorobenzene (Surr)	95	12.066	12.067	-0.001	89	1145227	10.0	9.94	
128 1,1,2,2-Tetrachloroethane	83	12.176	12.170	0.006	94	35738	0.5000	0.4593	
129 Bromobenzene	156	12.182	12.182	0.000	94	46809	0.5000	0.4955	
130 trans-1,4-Dichloro-2-butene	53	12.201	12.201	0.000	95	79382	5.00	4.44	
131 1,2,3-Trichloropropane	110	12.219	12.219	0.000	80	9615	0.5000	0.4811	
132 N-Propylbenzene	91	12.255	12.256	-0.001	99	219131	0.5000	0.4868	
133 2-Chlorotoluene	126	12.335	12.329	0.006	97	46398	0.5000	0.5057	
134 1,3,5-Trimethylbenzene	105	12.396	12.390	0.006	95	156236	0.5000	0.4806	
135 4-Chlorotoluene	126	12.426	12.426	0.000	98	46137	0.5000	0.4828	
136 tert-Butylbenzene	134	12.633	12.634	-0.001	93	33530	0.5000	0.4784	
137 Pentachloroethane	167	12.664	12.664	0.000	85	27452	0.5000	0.4548	
138 1,2,4-Trimethylbenzene	105	12.676	12.676	0.000	97	163840	0.5000	0.4834	
139 sec-Butylbenzene	105	12.798	12.798	0.000	94	199683	0.5000	0.4814	
140 1,3-Dichlorobenzene	146	12.902	12.896	0.006	98	89059	0.5000	0.4671	
141 4-Isopropyltoluene	119	12.908	12.908	0.000	97	173497	0.5000	0.4743	
* 142 1,4-Dichlorobenzene-d4	152	12.950	12.950	0.000	95	1265988	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.969	12.969	0.000	95	93744	0.5000	0.4907	
144 1,2,3-Trimethylbenzene	120	12.981	12.981	0.000	98	74458	0.5000	0.4793	
145 Benzyl chloride	126	13.054	13.048	0.006	98	13081	0.5000	0.4337	
146 p-Diethylbenzene	119	13.109	13.109	0.000	92	104822	0.5000	0.4703	
147 n-Butylbenzene	92	13.200	13.200	0.000	98	91040	0.5000	0.4763	
148 1,2-Dichlorobenzene	146	13.231	13.231	0.000	97	87210	0.5000	0.4789	
150 1,2-Dibromo-3-Chloropropane	155	13.780	13.774	0.006	86	4623	0.5000	0.4442	
151 1,3,5-Trichlorobenzene	180	13.901	13.895	0.006	96	72991	0.5000	0.4691	
152 1,2,4-Trichlorobenzene	180	14.322	14.322	0.000	93	65436	0.5000	0.4783	
153 Hexachlorobutadiene	225	14.401	14.401	0.000	97	31592	0.5000	0.4889	
154 Naphthalene	128	14.505	14.499	0.006	97	103835	0.5000	0.4366	
155 1,2,3-Trichlorobenzene	180	14.645	14.645	0.000	95	55334	0.5000	0.4636	
156 2-Methylnaphthalene	142	15.261	15.255	0.006	91	58386	0.5000	0.4392	
167 Pentane	43	2.910	2.916	-0.006	94	47456	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00080	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00155	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00091	Amount Added: 2.00	Units: uL	
MSV_29_826ISS_00046	Amount Added: 1.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X13.D

Injection Date: 13-Jun-2023 01:04:30

Instrument ID: 16334

Operator ID: gaw91131

Lims ID: IC std2

Worklist Smp#: 14

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

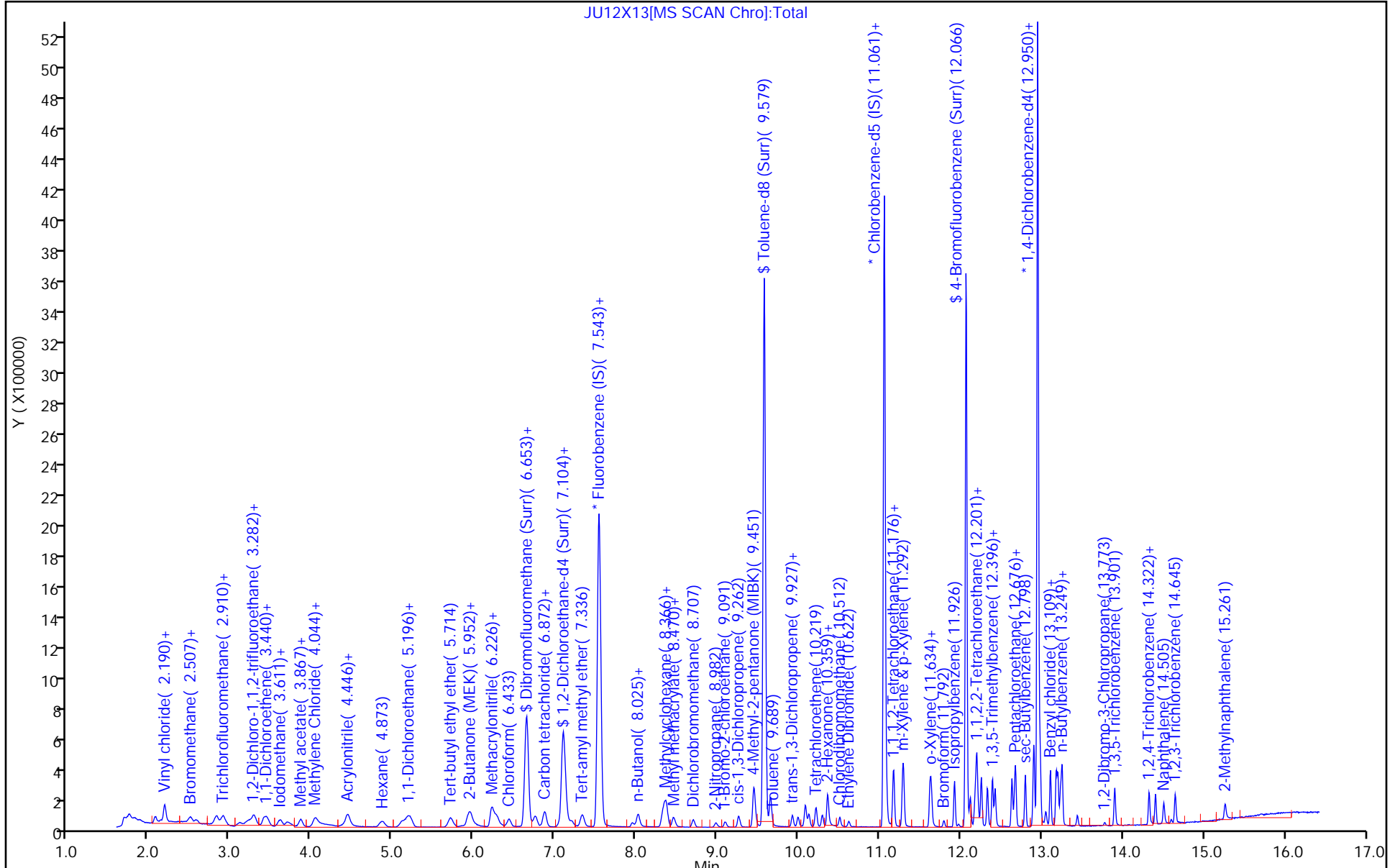
ALS Bottle#: 13

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

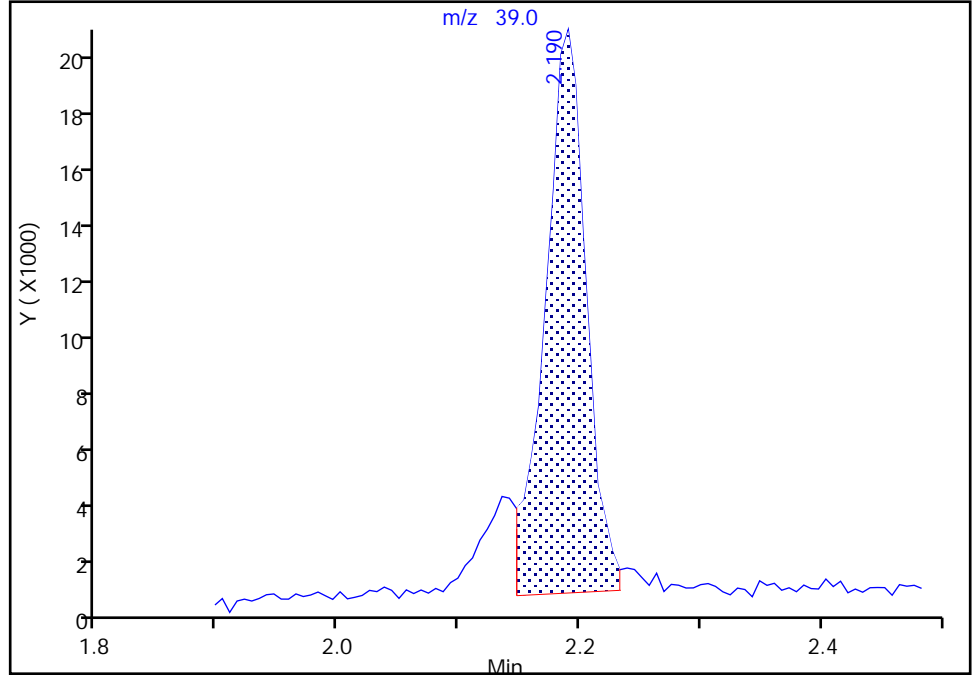
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Injection Date: 13-Jun-2023 01:04:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

7 Butadiene, CAS: 106-99-0

Signal: 1

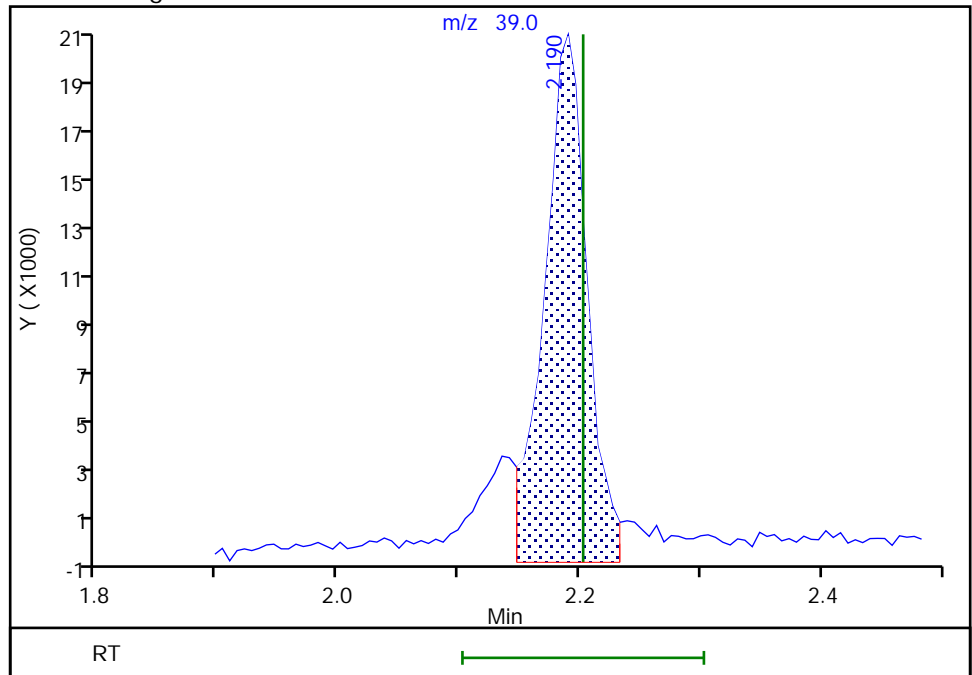
RT: 2.19
Area: 47342
Amount: 0.469170
Amount Units: ug/l

Processing Integration Results



RT: 2.19
Area: 51309
Amount: 0.544716
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 11:34:56 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

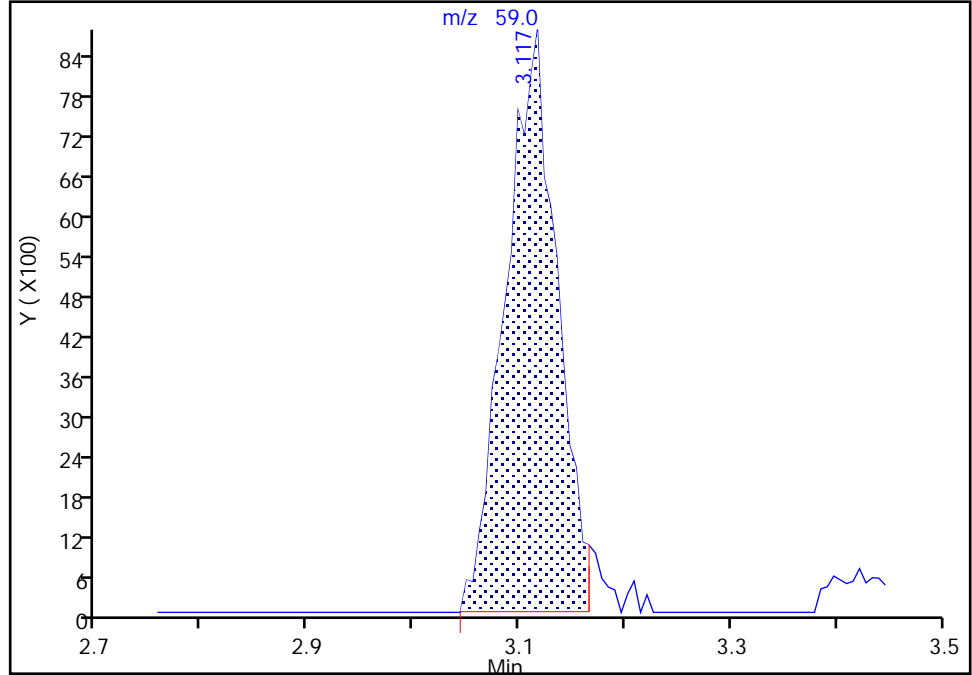
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Injection Date: 13-Jun-2023 01:04:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

13 Ethyl ether, CAS: 60-29-7

Signal: 1

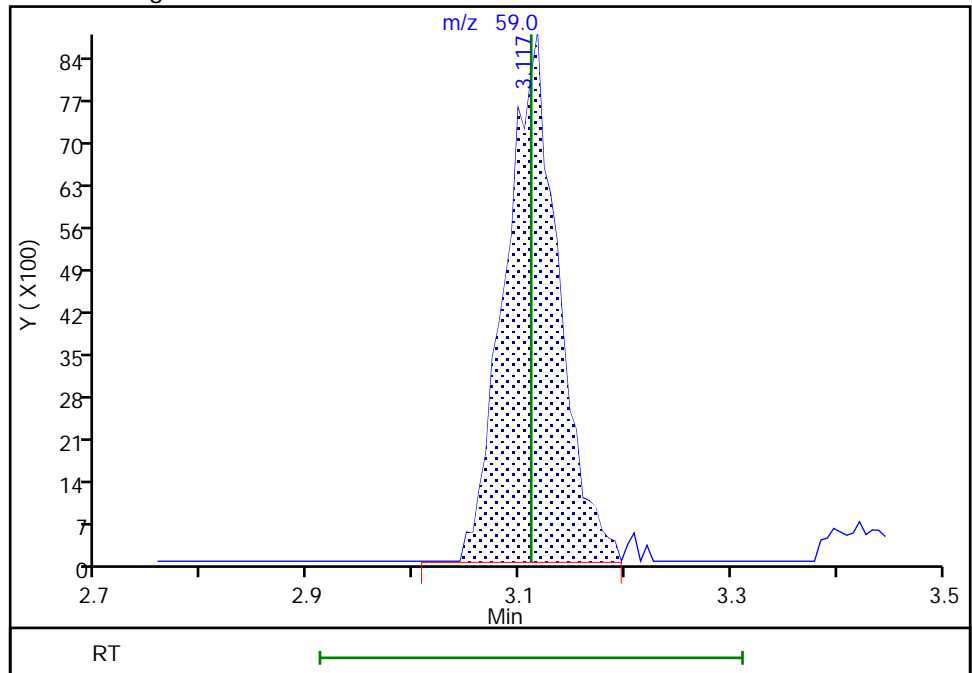
RT: 3.12
Area: 29618
Amount: 0.523265
Amount Units: ug/l

Processing Integration Results



RT: 3.12
Area: 30390
Amount: 0.500210
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 11:35:06 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

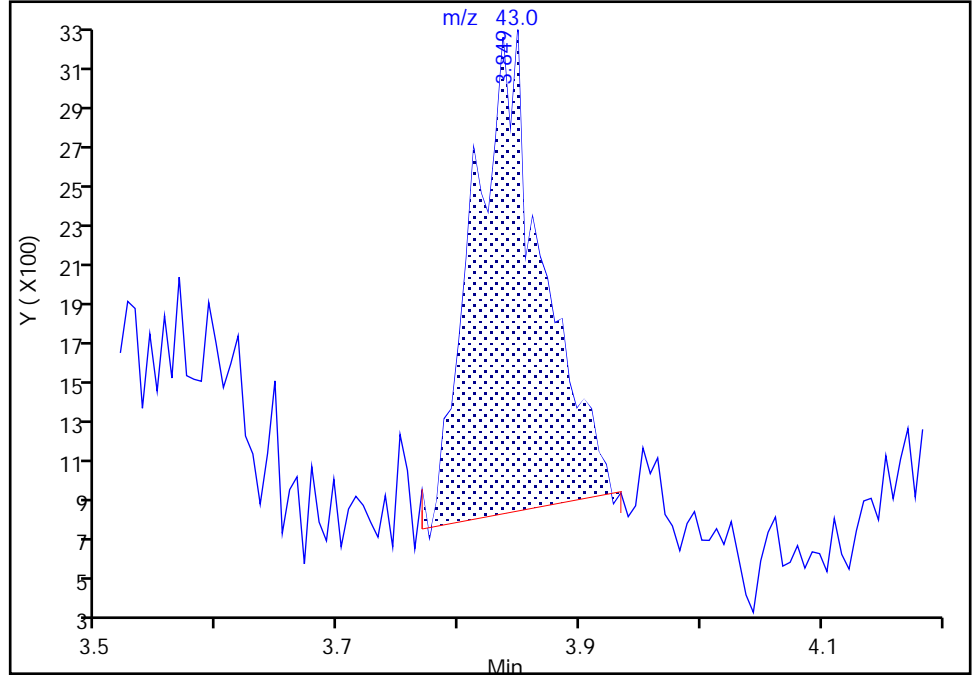
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Injection Date: 13-Jun-2023 01:04:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Methyl acetate, CAS: 79-20-9

Signal: 1

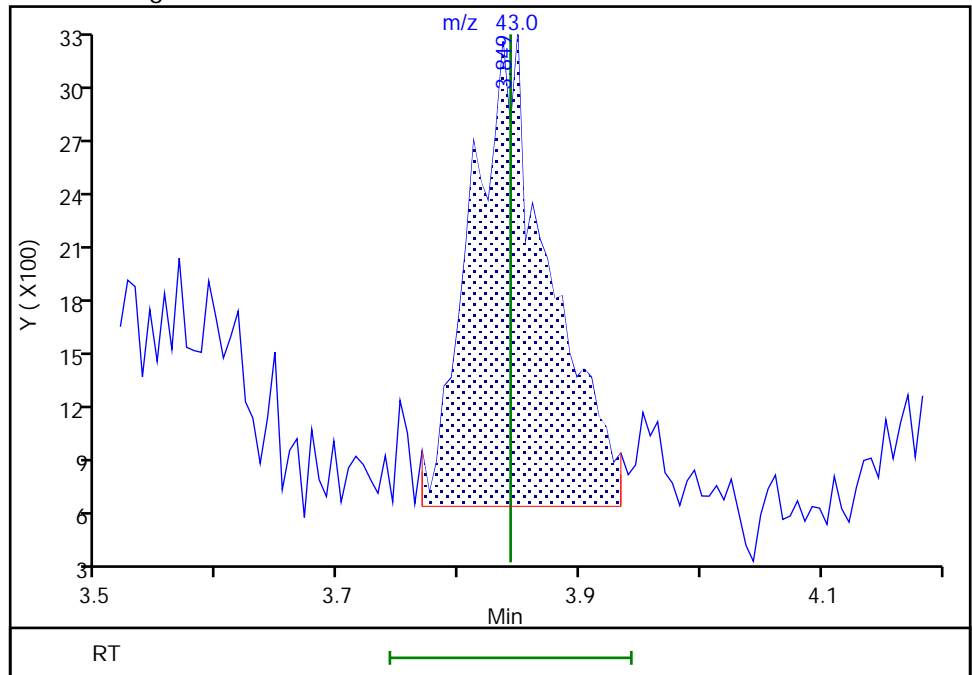
RT: 3.85
Area: 9622
Amount: 0.474555
Amount Units: ug/l

Processing Integration Results



RT: 3.85
Area: 11629
Amount: 0.518568
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 11:35:32 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

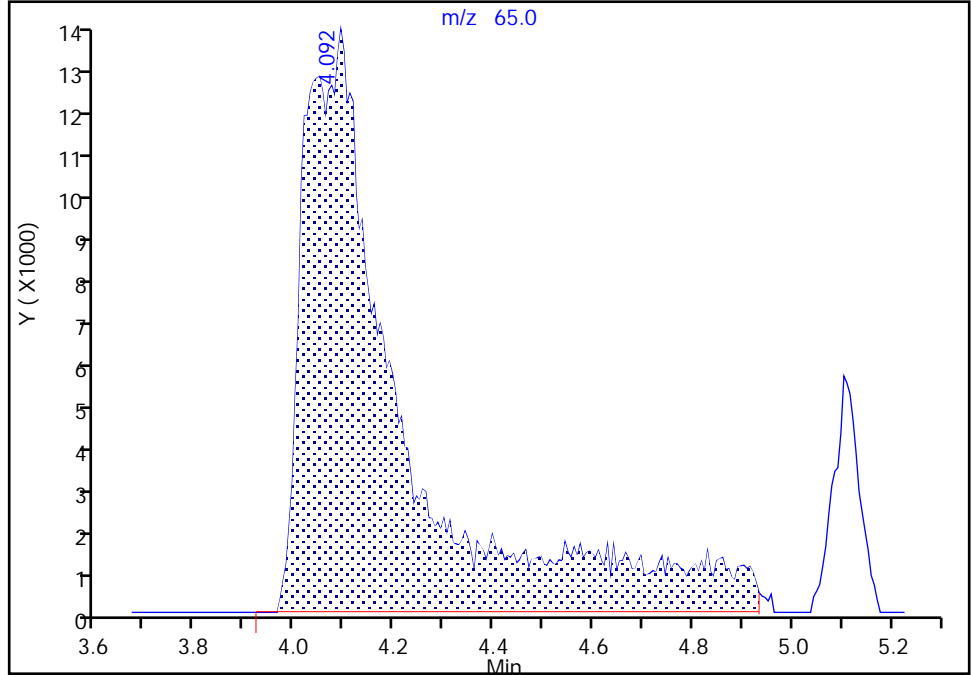
Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date: 13-Jun-2023 01:04:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2
Signal: 1

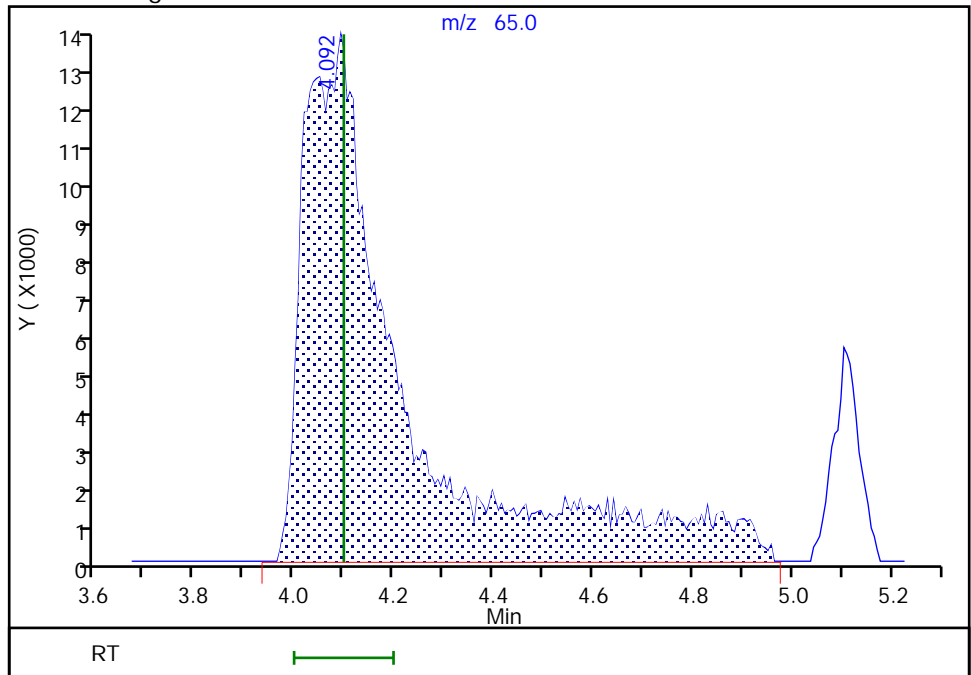
RT: 4.09
Area: 190233
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 4.09
Area: 190762
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 14-Jun-2023 07:54:39 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

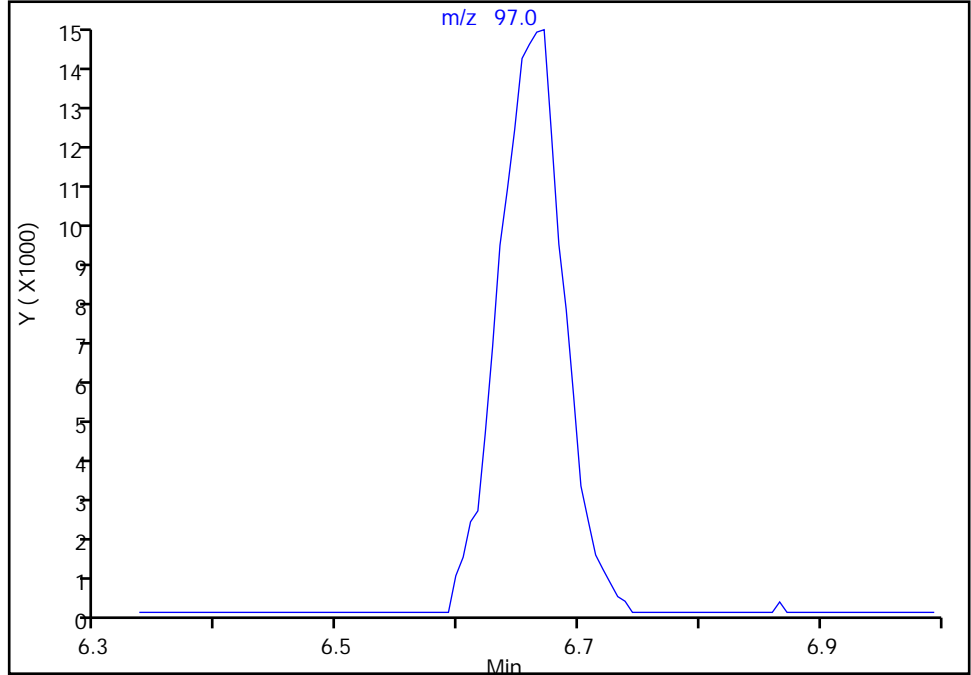
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Injection Date: 13-Jun-2023 01:04:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

53 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

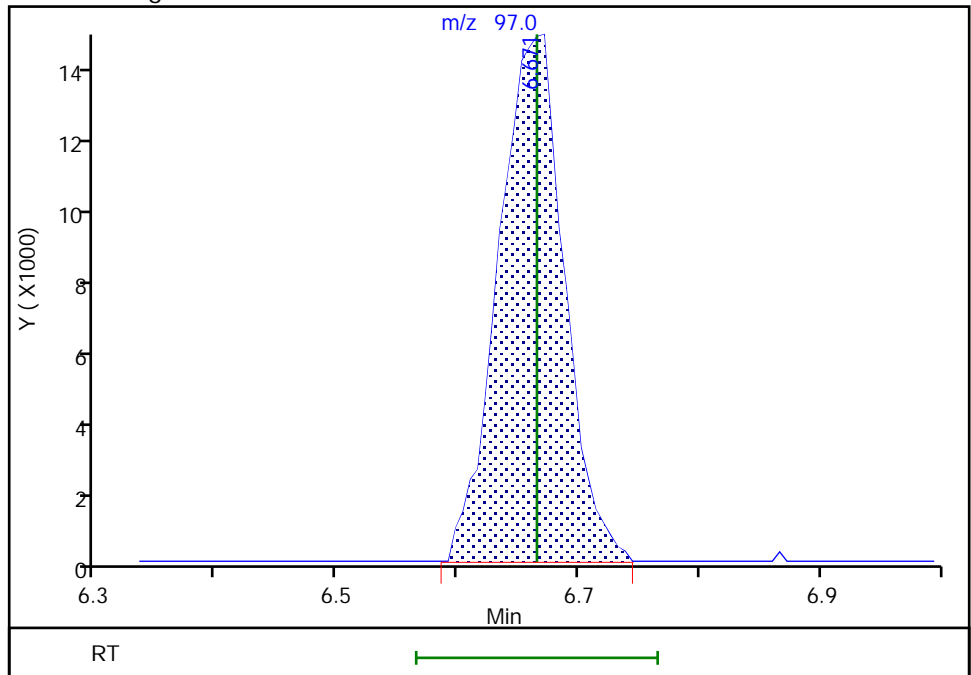
Not Detected
Expected RT: 6.67

Processing Integration Results



Manual Integration Results

RT: 6.67
Area: 53764
Amount: 0.481270
Amount Units: ug/l



Reviewer: DVW2, 13-Jun-2023 11:35:53 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins Lancaster Laboratories Environment Testing, LLC

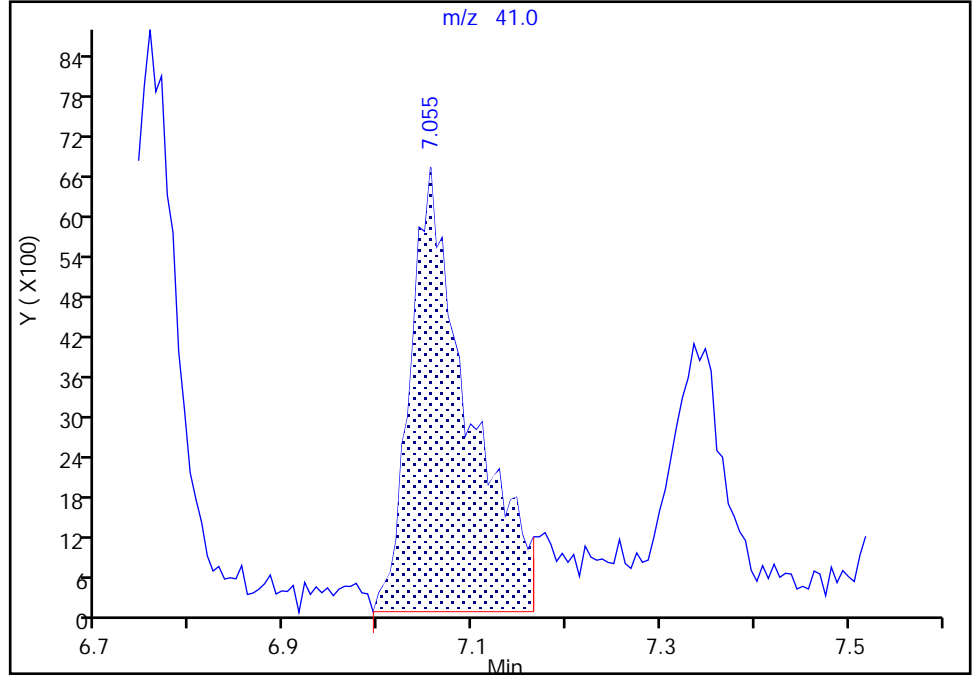
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Injection Date: 13-Jun-2023 01:04:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

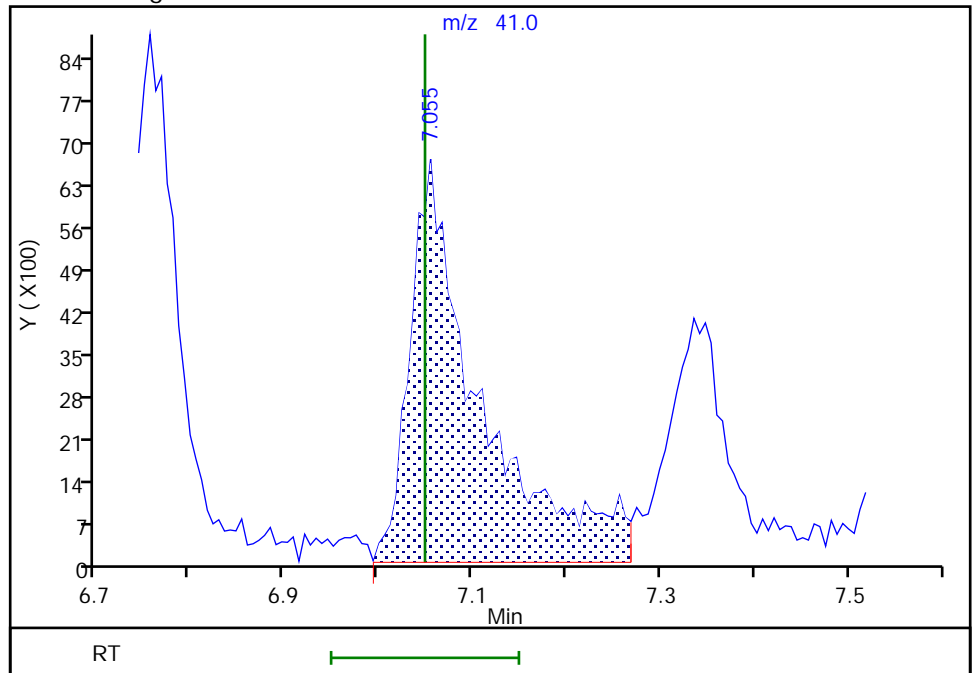
RT: 7.06
Area: 29042
Amount: 22.090687
Amount Units: ug/l

Processing Integration Results



RT: 7.06
Area: 34344
Amount: 23.957705
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 14-Jun-2023 15:14:58 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

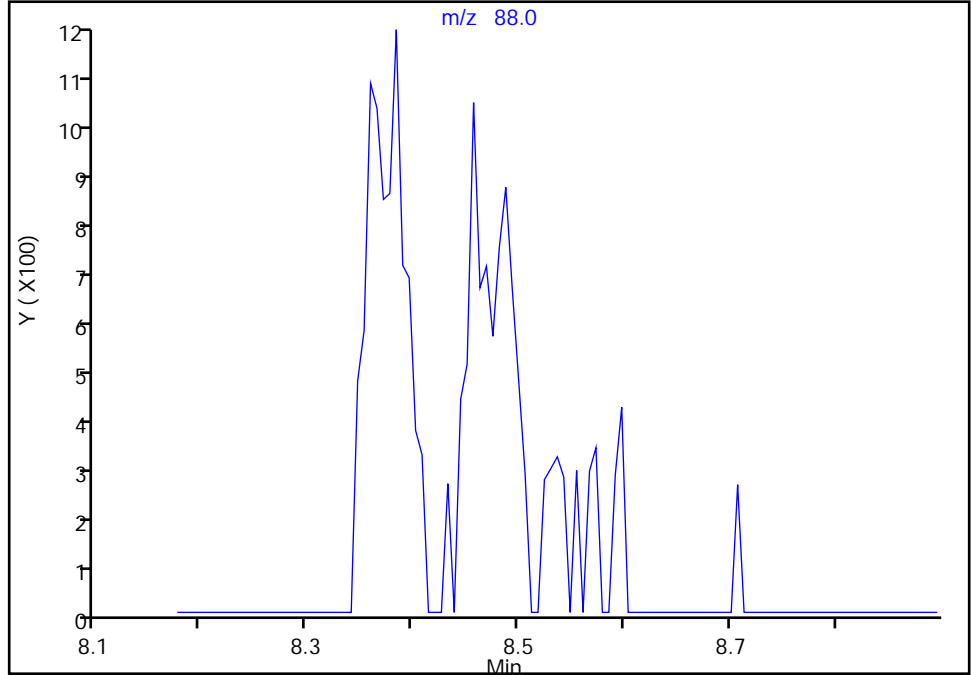
Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X13.D
Injection Date: 13-Jun-2023 01:04:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

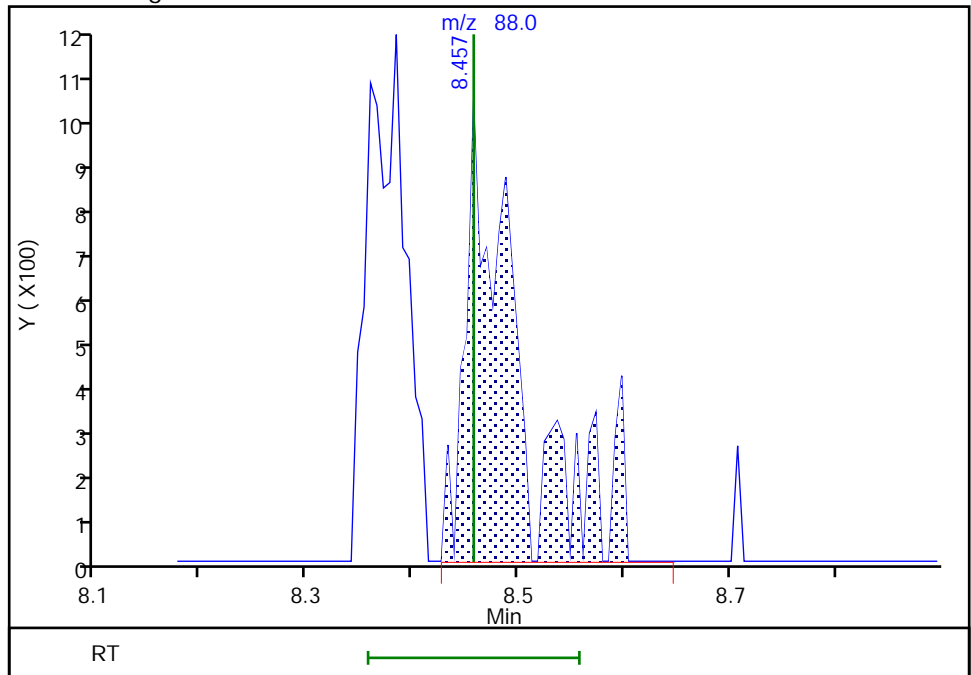
Signal: 1

Not Detected
Expected RT: 8.46

Processing Integration Results



Manual Integration Results



RT: 8.46
Area: 3530
Amount: 17.189483
Amount Units: ug/l

Reviewer: DVW2, 13-Jun-2023 11:36:10 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X14.D
 Lims ID: IC std3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 13-Jun-2023 01:26:30 ALS Bottle#: 14 Worklist Smp#: 15
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086386-015
 Misc. Info.: IC STD3
 Operator ID: gaw91131 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub4
 Method: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 14-Jun-2023 15:48:08 Calib Date: 13-Jun-2023 02:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1669

First Level Reviewer: DVW2

Date: 13-Jun-2023 11:38:31

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	1.898	0.006	99	97720	1.00	1.02	
5 Chloromethane	50	2.087	2.087	0.000	99	115351	1.00	1.02	
6 Vinyl chloride	62	2.202	2.197	0.005	97	108033	1.00	1.02	
7 Butadiene	39	2.202	2.203	-0.001	92	98655	1.00	1.03	
9 Bromomethane	94	2.519	2.520	-0.001	91	73959	1.00	1.01	
10 Chloroethane	64	2.599	2.593	0.006	99	62012	1.00	0.99	
11 Dichlorofluoromethane	67	2.836	2.837	-0.001	97	149431	1.00	1.01	
12 Trichlorofluoromethane	101	2.897	2.904	-0.007	97	112335	1.00	1.00	
13 Ethyl ether	59	3.117	3.111	0.006	91	59531	1.00	0.9663	
16 1,2-Dichloro-1,1,2-trifluoroethane	67	3.221	3.209	0.012	93	91335	1.00	1.03	
17 Acrolein	56	3.294	3.288	0.006	98	377854	50.0	50.7	
18 1,1-Dichloroethene	96	3.416	3.422	-0.006	98	63249	1.00	0.9636	
19 Acetone	43	3.464	3.452	0.012	76	88877	10.0	9.93	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.471	3.458	0.012	92	63019	1.00	1.00	
21 Isopropyl alcohol	45	3.605	3.587	0.019	31	36792	20.0	19.6	M
22 Iodomethane	142	3.611	3.605	0.006	98	119056	1.00	0.9617	
23 Ethyl bromide	108	3.641	3.629	0.012	98	56263	1.00	0.9560	
24 Carbon disulfide	76	3.714	3.708	0.006	99	214977	1.00	0.9534	
25 Methyl acetate	43	3.855	3.843	0.012	97	25345	1.00	1.04	M
27 3-Chloro-1-propene	41	3.879	3.867	0.012	92	107702	1.00	0.9439	
29 Methylene Chloride	84	4.056	4.050	0.006	91	72568	1.00	0.9649	
* 30 t-Butyl alcohol-d10 (IS)	65	4.056	4.098	-0.042	98	207968	50.0	50.0	Ma
31 2-Methyl-2-propanol	59	4.172	4.214	-0.042	94	69684	20.0	19.0	M
32 Acrylonitrile	53	4.397	4.379	0.018	93	30436	2.50	2.29	
34 trans-1,2-Dichloroethene	96	4.458	4.446	0.012	100	74391	1.00	0.9691	
33 Methyl tert-butyl ether	73	4.452	4.452	0.000	91	196832	1.00	0.9592	
35 Hexane	57	4.879	4.879	0.000	91	93486	1.00	1.00	
37 1,1-Dichloroethane	63	5.123	5.111	0.012	96	129138	1.00	0.9646	
38 Isopropyl ether	45	5.184	5.178	0.006	94	242697	1.00	0.9556	
39 2-Chloro-1,3-butadiene	53	5.232	5.226	0.006	90	108185	1.00	0.9600	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.726	5.720	0.006	98	226163	1.00	0.9312	
41 2-Butanone (MEK)	43	5.933	5.921	0.012	100	187745	10.0	9.89	
42 cis-1,2-Dichloroethene	96	5.958	5.952	0.006	81	82304	1.00	0.9641	
43 2,2-Dichloropropane	77	5.970	5.964	0.006	86	104995	1.00	0.9495	
45 Propionitrile	54	6.031	6.007	0.024	97	90274	20.0	19.5	
S 47 1,2-Dichloroethene, Total	100				0			1.93	
48 Methacrylonitrile	67	6.226	6.226	0.000	91	195321	10.0	9.93	
49 Chlorobromomethane	128	6.287	6.281	0.006	91	34739	1.00	0.9381	
50 Tetrahydrofuran	71	6.305	6.287	0.018	79	29037	5.00	5.02	
51 Chloroform	83	6.446	6.434	0.012	93	129133	1.00	0.9568	
\$ 52 Dibromofluoromethane (Surr)	113	6.659	6.653	0.006	94	708508	10.0	9.93	
53 1,1,1-Trichloroethane	97	6.665	6.665	0.000	42	107986	1.00	0.9533	
54 Cyclohexane	56	6.763	6.763	0.000	91	116912	1.00	0.9746	
55 Carbon tetrachloride	117	6.872	6.872	0.000	89	91763	1.00	0.9521	
56 1,1-Dichloropropene	75	6.878	6.872	0.006	95	97437	1.00	0.9600	
58 Isobutyl alcohol	41	7.055	7.049	0.006	95	67285	50.0	46.3	M
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.104	7.098	0.006	69	151594	10.0	10.1	
60 Benzene	78	7.141	7.135	0.006	95	299100	1.00	0.9534	
61 1,2-Dichloroethane	62	7.208	7.208	0.000	97	79471	1.00	0.9153	M
63 Tert-amyl methyl ether	73	7.348	7.342	0.006	99	212745	1.00	0.9546	
* 64 Fluorobenzene (IS)	96	7.549	7.549	0.000	99	2982641	10.0	10.0	
65 n-Heptane	43	7.561	7.561	0.000	39	94796	1.00	0.9726	
67 n-Butanol	56	7.957	7.939	0.018	88	88771	87.5	79.5	
68 Trichloroethene	95	8.031	8.025	0.006	99	78561	1.00	0.9528	
69 Methylcyclohexane	83	8.335	8.329	0.006	93	121253	1.00	0.9807	
70 1,2-Dichloropropane	63	8.354	8.360	-0.006	90	78303	1.00	0.9616	
71 2-ethoxy-2-methyl butane	87	8.378	8.378	0.000	93	117575	1.00	0.9372	
72 Methyl methacrylate	69	8.457	8.451	0.006	91	39240	1.00	0.9835	
73 1,4-Dioxane	88	8.463	8.458	0.005	31	10569	50.0	47.2	M
74 Dibromomethane	93	8.470	8.464	0.006	96	36841	1.00	0.9467	
76 Dichlorobromomethane	83	8.707	8.707	0.000	99	94607	1.00	0.9515	
77 2-Nitropropane	41	8.982	8.982	0.000	99	51076	5.00	4.53	
79 1-Bromo-2-chloroethane	63	9.104	9.098	0.006	98	86312	1.00	0.9538	
81 cis-1,3-Dichloropropene	75	9.268	9.262	0.006	96	118430	1.00	0.9504	
82 4-Methyl-2-pentanone (MIBK)	43	9.451	9.451	0.000	96	513685	10.0	9.62	
\$ 83 Toluene-d8 (Surr)	98	9.579	9.579	0.000	93	3020451	10.0	10.0	
84 Toluene	92	9.658	9.658	0.000	98	195093	1.00	0.9626	
85 trans-1,3-Dichloropropene	75	9.927	9.927	0.000	93	99472	1.00	0.9297	
86 Ethyl methacrylate	69	10.000	9.994	0.006	89	80471	1.00	0.9153	
S 106 1,3-Dichloropropene, Total	100				0			1.88	
107 1,1,2-Trichloroethane	97	10.134	10.128	0.006	90	57660	1.00	0.9479	
108 Tetrachloroethene	166	10.219	10.219	0.000	98	83320	1.00	0.9646	
109 1,3-Dichloropropane	76	10.298	10.293	0.005	91	97709	1.00	0.9510	
110 2-Hexanone	43	10.359	10.360	-0.001	97	365589	10.0	9.71	
112 Chlorodibromomethane	129	10.512	10.512	0.000	90	65092	1.00	0.9132	
113 Ethylene Dibromide	107	10.622	10.622	0.000	99	51617	1.00	0.9094	
* 114 Chlorobenzene-d5 (IS)	117	11.060	11.060	0.000	85	2335278	10.0	10.0	
115 1-Chlorohexane	91	11.073	11.073	0.000	97	111243	1.00	0.9611	
116 Chlorobenzene	112	11.085	11.085	0.000	95	222575	1.00	0.9558	
117 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	94	73666	1.00	0.9310	
118 Ethylbenzene	91	11.176	11.176	0.000	98	374536	1.00	0.9528	
S 119 Xylenes, Total	106				0			2.85	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 m-Xylene & p-Xylene	106	11.292	11.292	0.000	100	283950	2.00	1.90	
121 o-Xylene	106	11.621	11.622	-0.001	96	141501	1.00	0.9513	
122 Styrene	104	11.640	11.640	0.000	95	230987	1.00	0.9166	
123 Bromoform	173	11.792	11.792	0.000	96	40773	1.00	0.9048	
124 Isopropylbenzene	105	11.926	11.926	0.000	96	363586	1.00	0.9521	
\$ 127 4-Bromofluorobenzene (Surr)	95	12.066	12.067	-0.001	89	1157616	10.0	9.92	
128 1,1,2,2-Tetrachloroethane	83	12.176	12.170	0.006	93	73679	1.00	0.9232	
129 Bromobenzene	156	12.188	12.182	0.006	95	91688	1.00	0.9463	
130 trans-1,4-Dichloro-2-butene	53	12.201	12.201	0.000	94	179894	10.0	9.22	
131 1,2,3-Trichloropropane	110	12.219	12.219	0.000	79	19088	1.00	0.9313	
132 N-Propylbenzene	91	12.255	12.256	-0.001	99	457207	1.00	0.99	
133 2-Chlorotoluene	126	12.329	12.329	0.000	97	89959	1.00	0.9559	
134 1,3,5-Trimethylbenzene	105	12.396	12.390	0.006	95	316685	1.00	0.9497	
135 4-Chlorotoluene	126	12.426	12.426	0.000	97	93898	1.00	0.9581	
136 tert-Butylbenzene	134	12.633	12.634	-0.001	93	68639	1.00	0.9550	M
137 Pentachloroethane	167	12.664	12.664	0.000	85	57251	1.00	0.9249	
138 1,2,4-Trimethylbenzene	105	12.676	12.676	0.000	97	326322	1.00	0.9388	
139 sec-Butylbenzene	105	12.798	12.798	0.000	94	406437	1.00	0.9553	
140 1,3-Dichlorobenzene	146	12.896	12.896	0.000	98	185264	1.00	0.9473	
141 4-Isopropyltoluene	119	12.908	12.908	0.000	97	352817	1.00	0.9404	
* 142 1,4-Dichlorobenzene-d4	152	12.950	12.950	0.000	95	1298424	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.969	12.969	0.000	94	180612	1.00	0.9218	
144 1,2,3-Trimethylbenzene	120	12.981	12.981	0.000	97	155241	1.00	0.9744	
145 Benzyl chloride	126	13.048	13.048	0.000	99	27066	1.00	0.8749	
146 p-Diethylbenzene	119	13.109	13.109	0.000	92	215125	1.00	0.9411	
147 n-Butylbenzene	92	13.200	13.200	0.000	97	188822	1.00	0.9633	
148 1,2-Dichlorobenzene	146	13.231	13.231	0.000	98	180371	1.00	0.9658	
150 1,2-Dibromo-3-Chloropropane	155	13.773	13.774	-0.001	86	9302	1.00	0.8714	
151 1,3,5-Trichlorobenzene	180	13.901	13.895	0.006	98	154248	1.00	0.9665	
152 1,2,4-Trichlorobenzene	180	14.322	14.322	0.000	95	130589	1.00	0.9307	
153 Hexachlorobutadiene	225	14.401	14.401	0.000	98	62766	1.00	0.9470	
154 Naphthalene	128	14.505	14.499	0.006	97	228187	1.00	0.9355	
155 1,2,3-Trichlorobenzene	180	14.645	14.645	0.000	96	118578	1.00	0.9687	
156 2-Methylnaphthalene	142	15.261	15.255	0.006	91	124410	1.00	0.9124	
167 Pentane	43	2.922	2.916	0.006	96	103432	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00080	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00155	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00091	Amount Added: 2.00	Units: uL	
MSV_29_826ISS_00046	Amount Added: 1.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X14.D

Injection Date: 13-Jun-2023 01:26:30

Instrument ID: 16334

Operator ID: gaw91131

Lims ID: IC std3

Worklist Smp#: 15

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

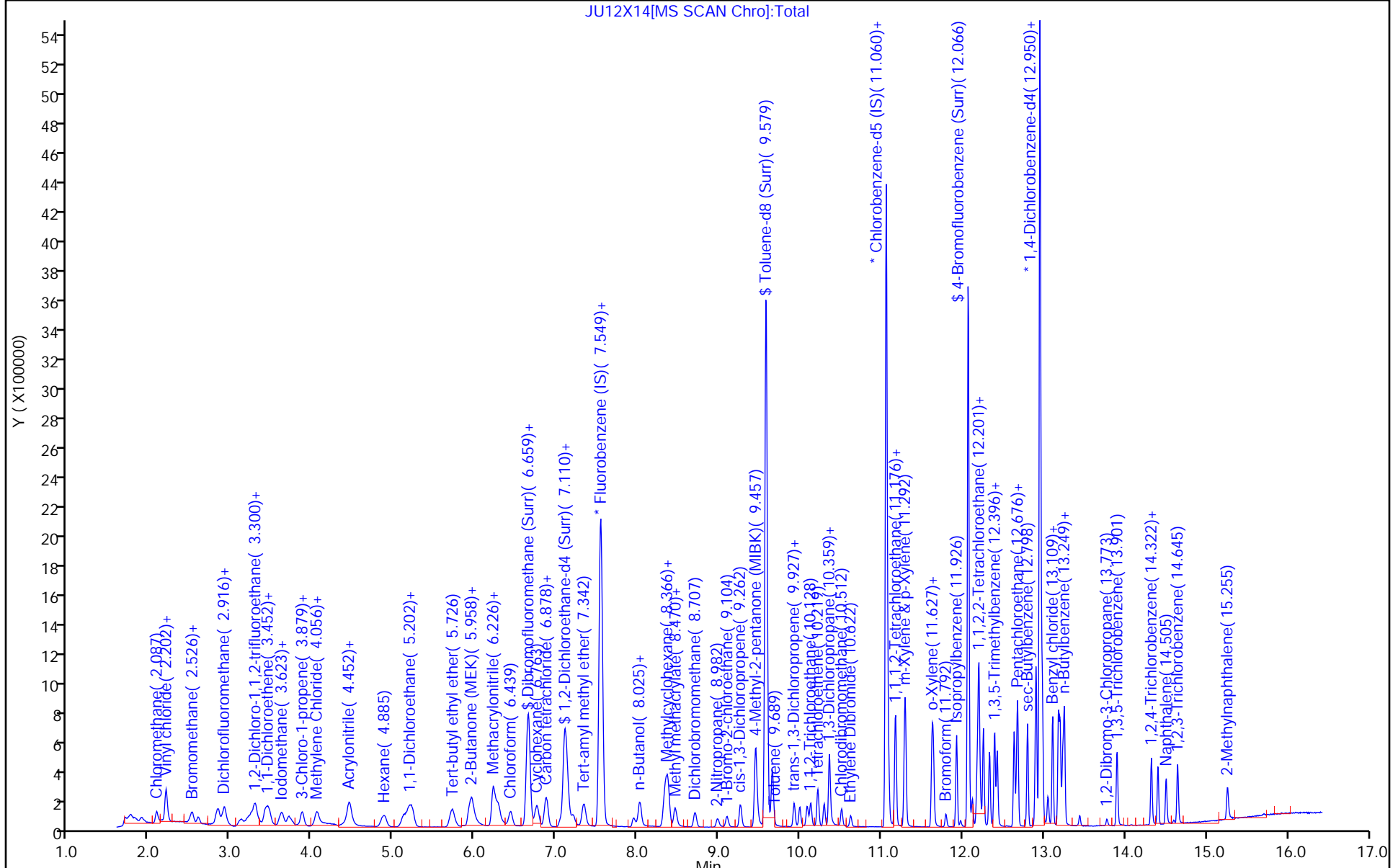
ALS Bottle#: 14

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

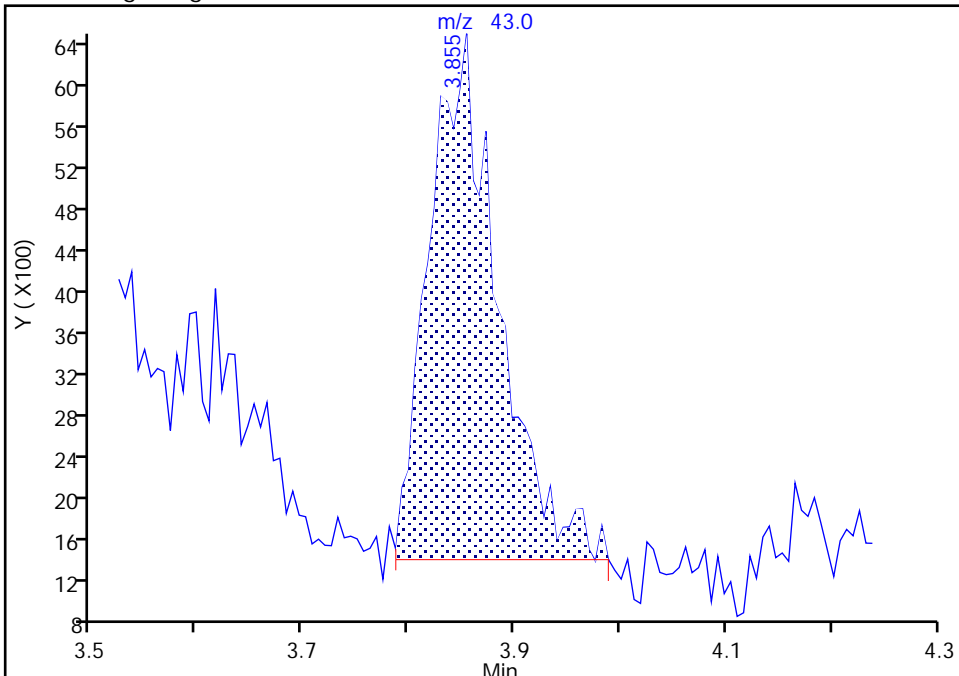
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Injection Date:	13-Jun-2023 01:26:30	Instrument ID:	16334
Lims ID:	IC std3		
Client ID:			
Operator ID:	gaw91131	ALS Bottle#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D
Column:	Rxi-624Sil MS Capillary Column (0.25mm ID)	Detector:	MS Quad

25 Methyl acetate, CAS: 79-20-9

Signal: 1

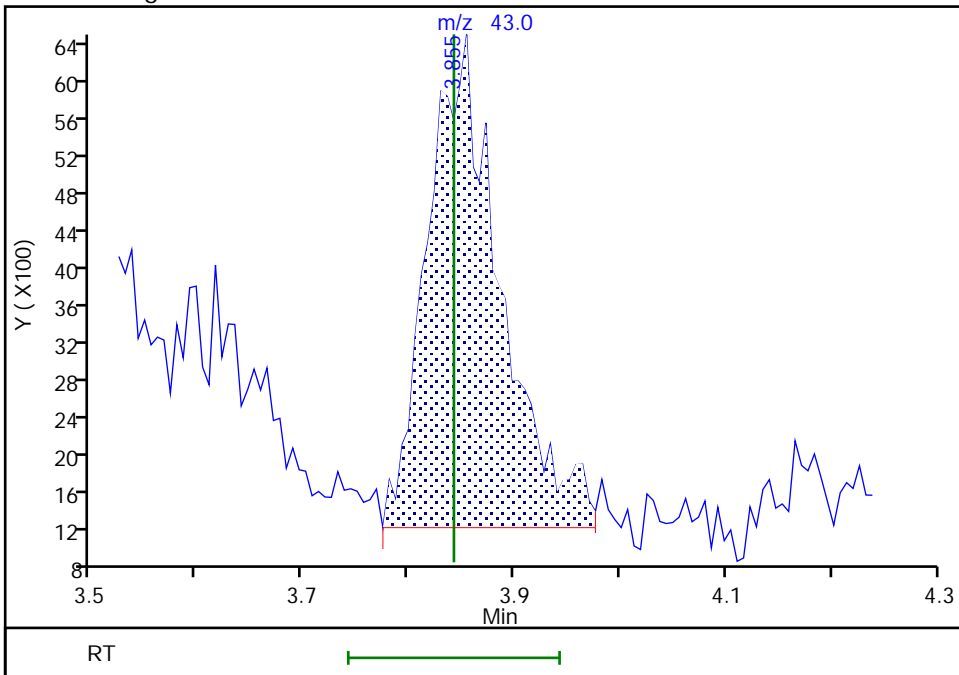
RT: 3.85
 Area: 22993
 Amount: 0.963044
 Amount Units: ug/l

Processing Integration Results



RT: 3.85
 Area: 25345
 Amount: 1.036695
 Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 11:37:53 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

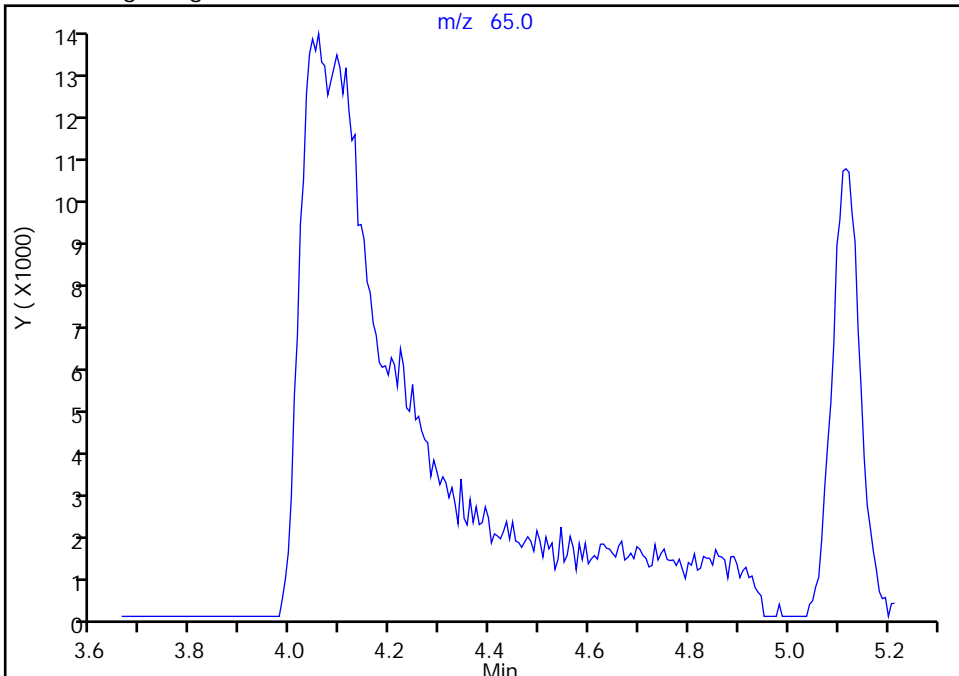
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Injection Date: 13-Jun-2023 01:26:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

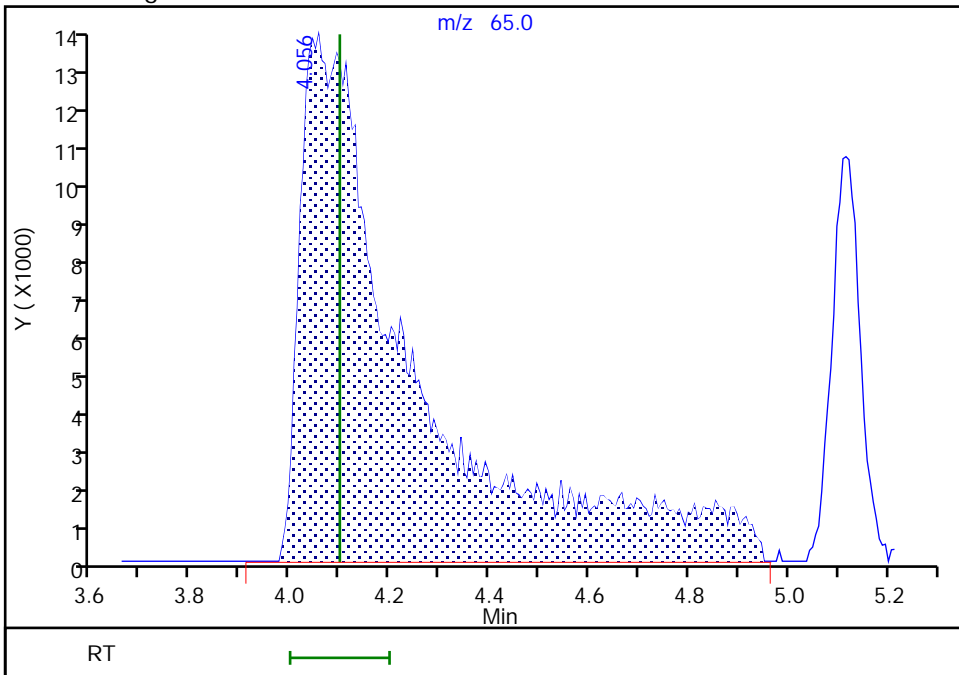
Signal: 1

Not Detected
Expected RT: 4.10

Processing Integration Results



Manual Integration Results



RT: 4.06
Area: 207968
Amount: 50.000000
Amount Units: ug/l

Reviewer: DVW2, 14-Jun-2023 07:54:53 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

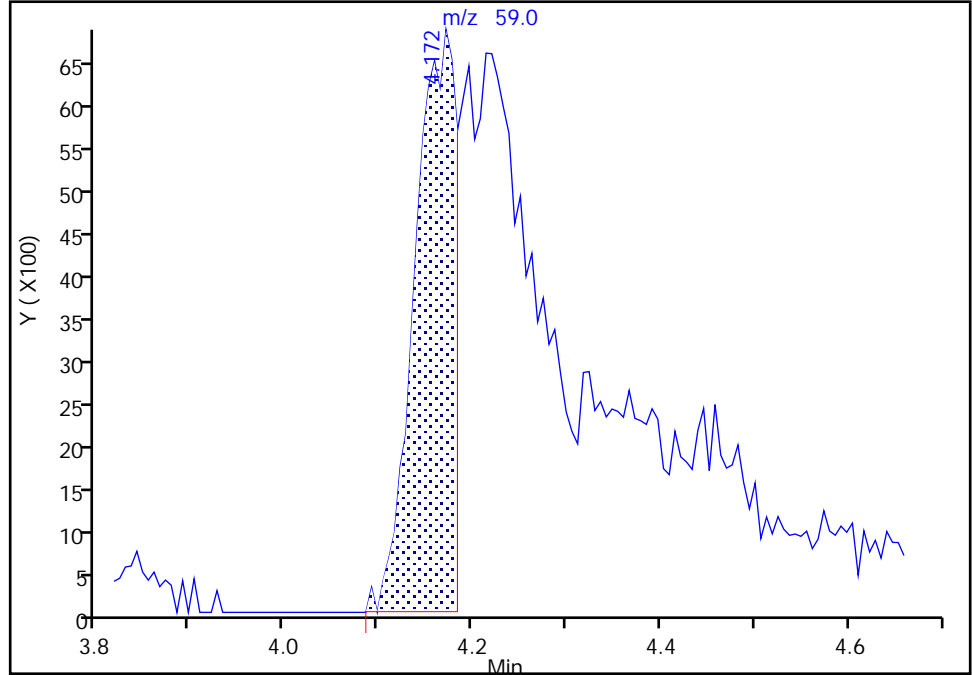
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Injection Date: 13-Jun-2023 01:26:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

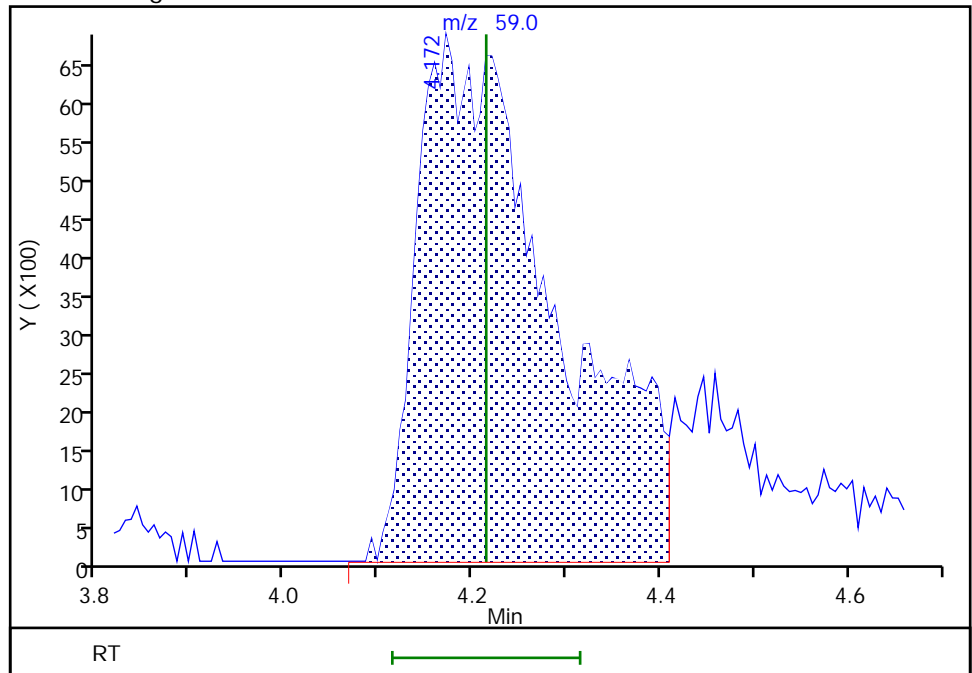
RT: 4.17
Area: 21077
Amount: 6.956420
Amount Units: ug/l

Processing Integration Results



RT: 4.17
Area: 69684
Amount: 18.982763
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 11:38:24 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

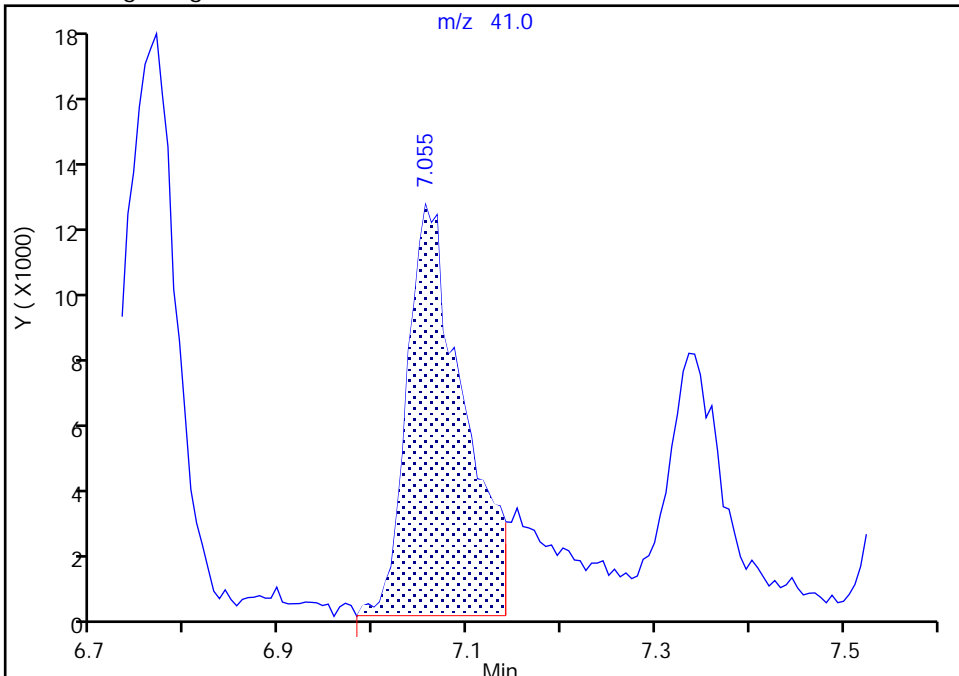
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Injection Date: 13-Jun-2023 01:26:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

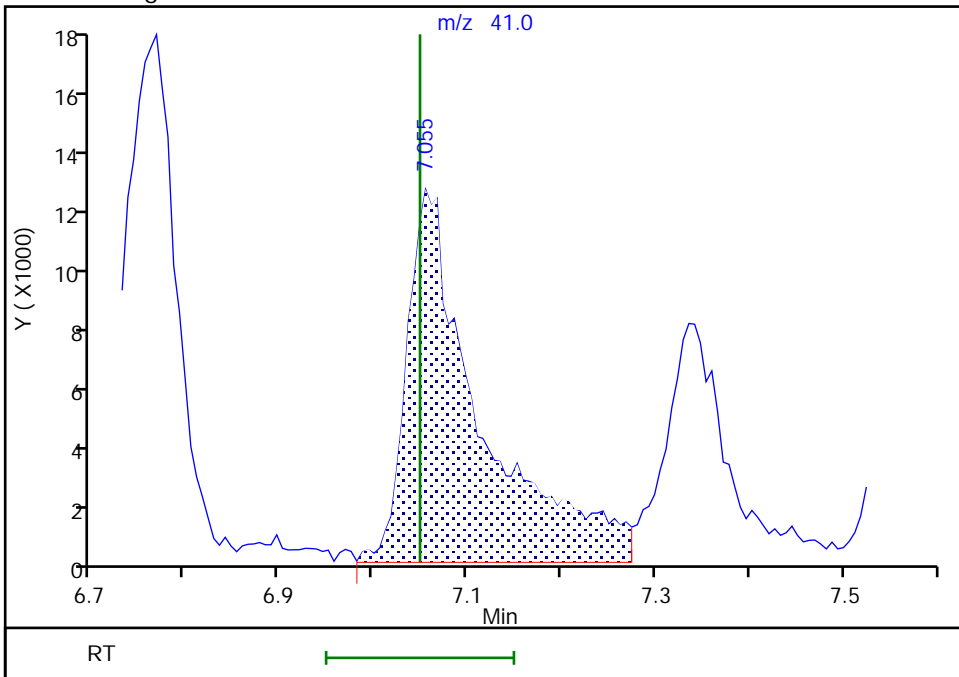
RT: 7.06
Area: 51798
Amount: 37.980603
Amount Units: ug/l

Processing Integration Results



RT: 7.06
Area: 67285
Amount: 46.288561
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 14-Jun-2023 15:16:36 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

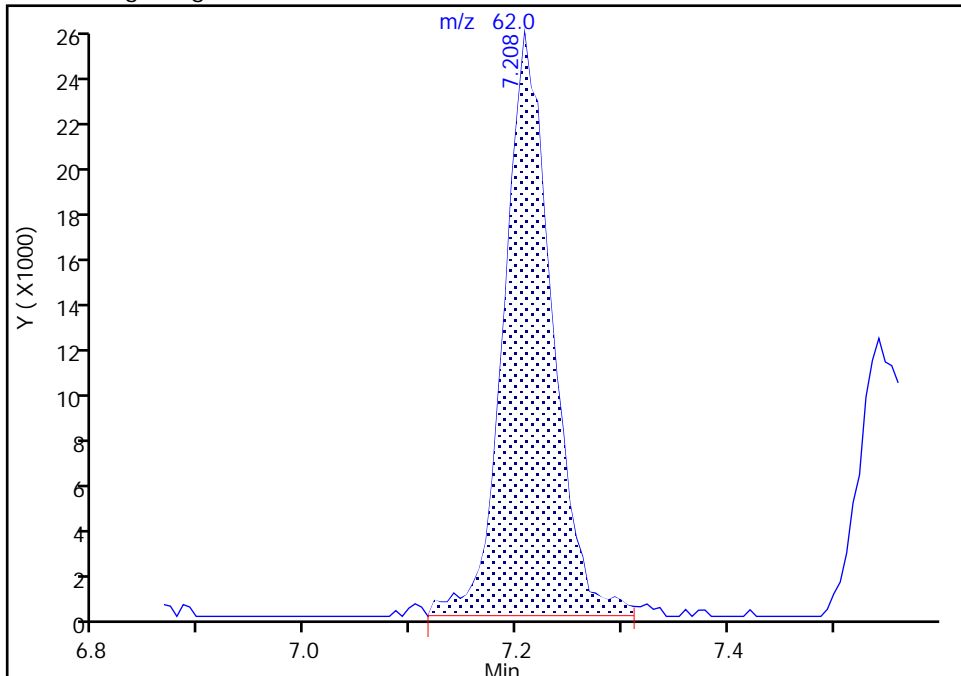
Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X14.D
Injection Date: 13-Jun-2023 01:26:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

61 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

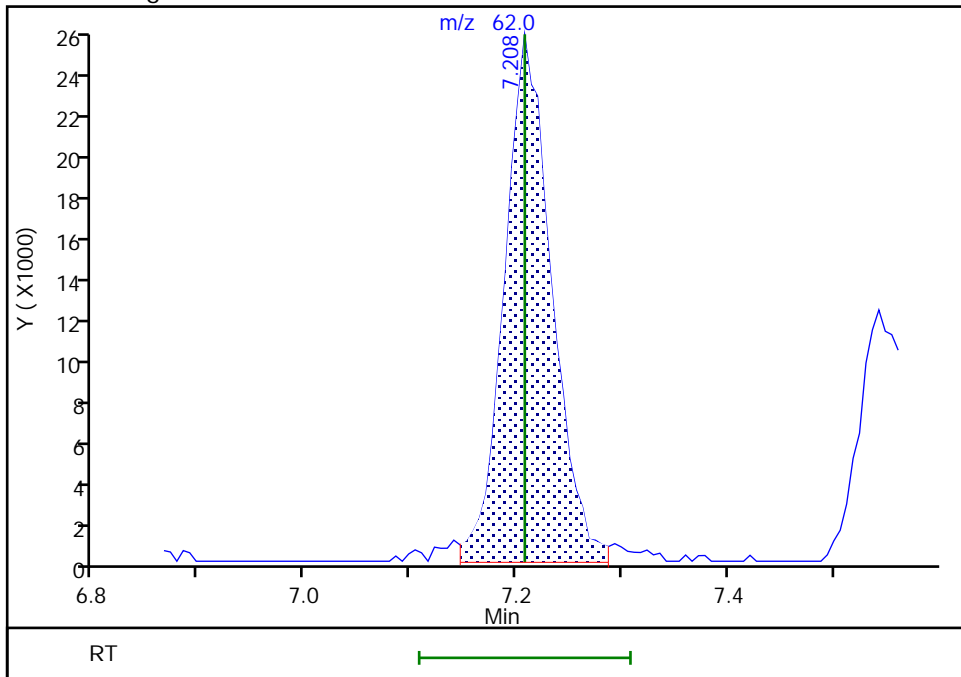
RT: 7.21
Area: 81462
Amount: 0.925604
Amount Units: ug/l

Processing Integration Results



RT: 7.21
Area: 79471
Amount: 0.915323
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 14-Jun-2023 08:07:57 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

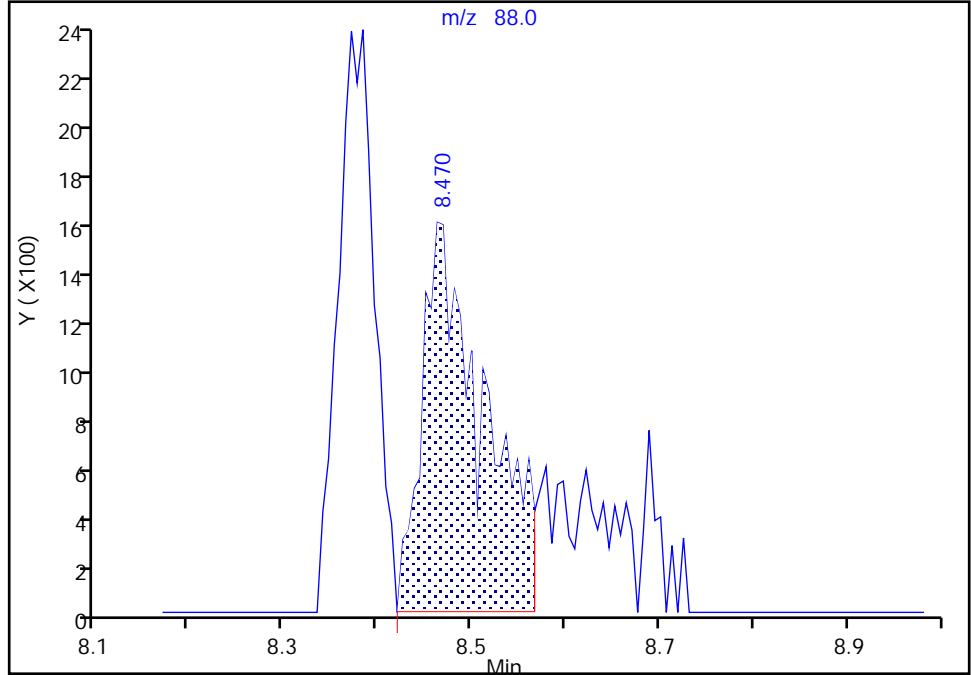
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Injection Date: 13-Jun-2023 01:26:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

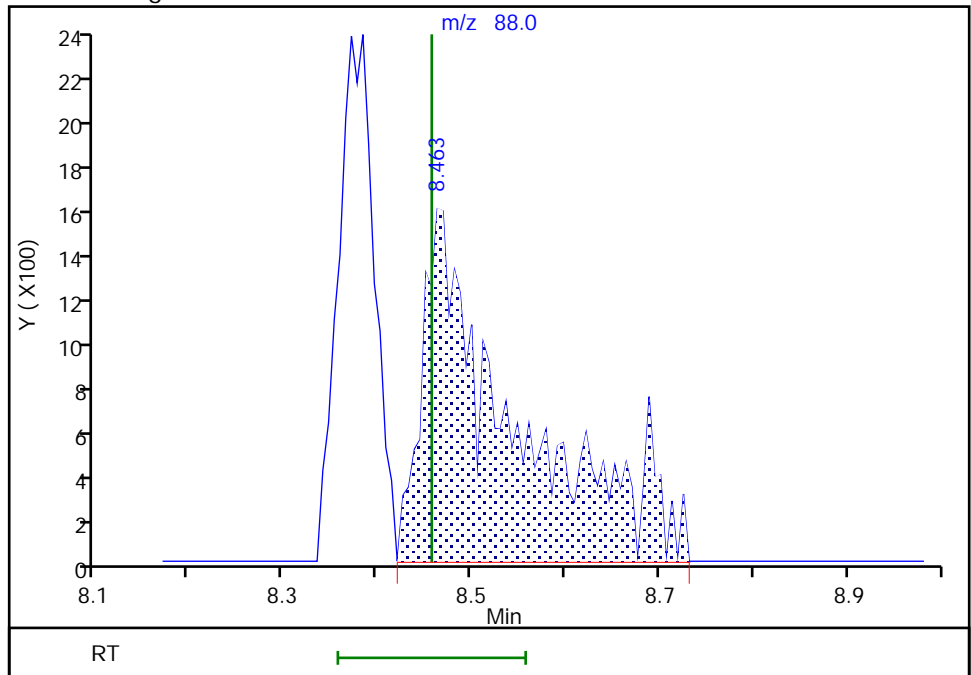
RT: 8.47
Area: 7141
Amount: 54.920479
Amount Units: ug/l

Processing Integration Results



RT: 8.46
Area: 10569
Amount: 47.208191
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 11:39:18 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

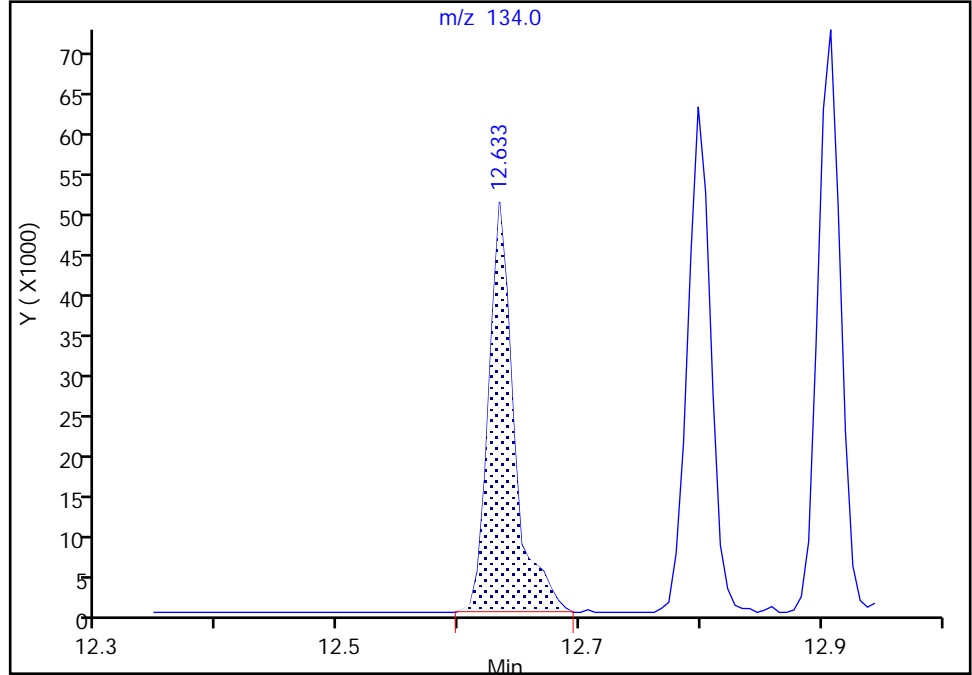
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Injection Date: 13-Jun-2023 01:26:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

136 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

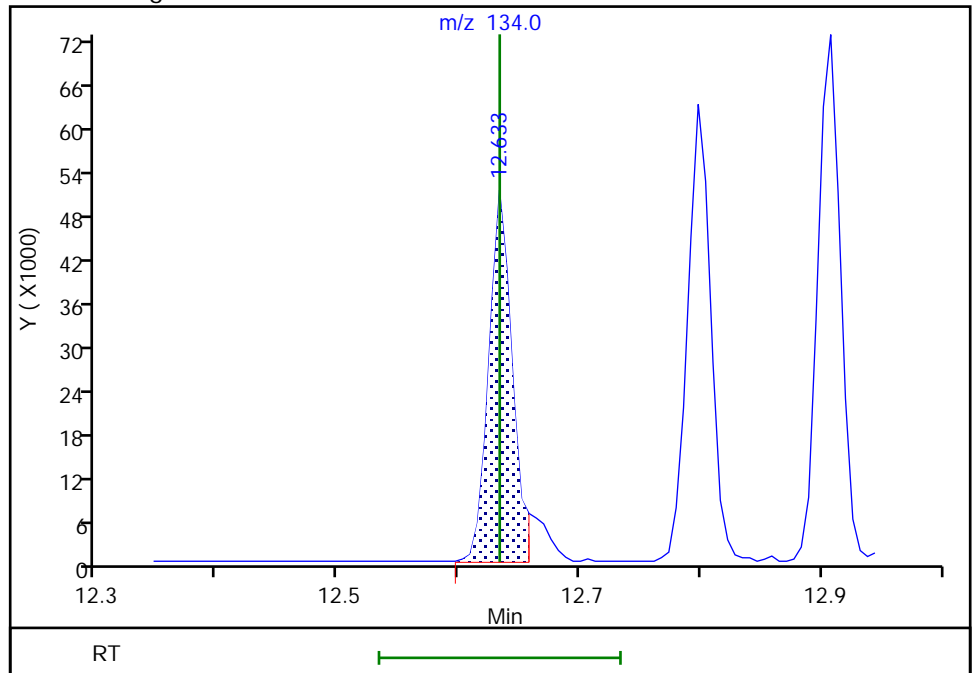
RT: 12.63
Area: 74528
Amount: 1.002514
Amount Units: ug/l

Processing Integration Results



RT: 12.63
Area: 68639
Amount: 0.954951
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 14-Jun-2023 07:57:36 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X15.D
 Lims ID: IC std4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 13-Jun-2023 01:48:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086386-016
 Misc. Info.: IC STD4
 Operator ID: gaw91131 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub4
 Method: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 14-Jun-2023 15:48:15 Calib Date: 13-Jun-2023 02:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1669

First Level Reviewer: DVW2

Date: 13-Jun-2023 11:54:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.898	1.898	0.000	99	175375	2.00	1.89	
5 Chloromethane	50	2.087	2.087	0.000	99	217756	2.00	1.98	
6 Vinyl chloride	62	2.202	2.202	0.000	97	197276	2.00	1.92	
7 Butadiene	39	2.202	2.202	0.000	92	160898	2.00	1.74	
9 Bromomethane	94	2.519	2.519	0.000	90	137884	2.00	1.95	
10 Chloroethane	64	2.599	2.599	0.000	100	116801	2.00	1.93	
11 Dichlorofluoromethane	67	2.843	2.843	0.000	97	270396	2.00	1.89	
12 Trichlorofluoromethane	101	2.897	2.897	0.000	97	203231	2.00	1.88	
13 Ethyl ether	59	3.117	3.117	0.000	91	119610	2.00	2.00	
16 1,2-Dichloro-1,1,2-trifluoroethane	67	3.214	3.214	0.000	93	163192	2.00	1.89	
17 Acrolein	56	3.294	3.294	0.000	99	778391	100.0	99.9	
18 1,1-Dichloroethene	96	3.428	3.428	0.000	98	122014	2.00	1.92	
19 Acetone	43	3.452	3.452	0.000	83	176227	20.0	18.8	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.464	3.464	0.000	92	114213	2.00	1.86	
21 Isopropyl alcohol	45	3.592	3.592	0.000	31	70797	40.0	39.0	M
22 Iodomethane	142	3.611	3.611	0.000	99	231319	2.00	1.93	
23 Ethyl bromide	108	3.635	3.635	0.000	97	113572	2.00	1.99	
24 Carbon disulfide	76	3.708	3.708	0.000	99	423208	2.00	1.94	
25 Methyl acetate	43	3.849	3.849	0.000	94	54960	2.00	2.15	
27 3-Chloro-1-propene	41	3.879	3.879	0.000	92	213416	2.00	1.93	
29 Methylene Chloride	84	4.056	4.056	0.000	91	142558	2.00	1.96	
* 30 t-Butyl alcohol-d10 (IS)	65	4.056	4.056	0.000	99	217339	50.0	50.0	Ma
31 2-Methyl-2-propanol	59	4.159	4.159	0.000	97	163808	40.0	42.7	M
32 Acrylonitrile	53	4.373	4.373	0.000	98	70121	5.00	5.05	
34 trans-1,2-Dichloroethene	96	4.458	4.458	0.000	99	144752	2.00	1.95	
33 Methyl tert-butyl ether	73	4.452	4.452	0.000	94	390587	2.00	1.96	
35 Hexane	57	4.873	4.873	0.000	93	164690	2.00	1.82	
37 1,1-Dichloroethane	63	5.123	5.123	0.000	96	251059	2.00	1.94	
38 Isopropyl ether	45	5.190	5.190	0.000	94	478769	2.00	1.95	
39 2-Chloro-1,3-butadiene	53	5.232	5.232	0.000	91	212713	2.00	1.95	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.720	5.720	0.000	98	472856	2.00	2.01	
41 2-Butanone (MEK)	43	5.927	5.927	0.000	99	379358	20.0	19.1	
42 cis-1,2-Dichloroethene	96	5.958	5.958	0.000	82	160016	2.00	1.93	
43 2,2-Dichloropropane	77	5.976	5.976	0.000	87	202391	2.00	1.89	
45 Propionitrile	54	6.013	6.013	0.000	99	186069	40.0	38.5	
S 47 1,2-Dichloroethene, Total	100				0			3.88	
48 Methacrylonitrile	67	6.226	6.226	0.000	91	395427	20.0	19.2	
49 Chlorobromomethane	128	6.281	6.281	0.000	96	71527	2.00	1.99	
50 Tetrahydrofuran	71	6.305	6.305	0.000	73	57054	10.0	9.43	
51 Chloroform	83	6.439	6.439	0.000	93	255926	2.00	1.96	
\$ 52 Dibromofluoromethane (Surr)	113	6.653	6.653	0.000	94	689161	10.0	9.97	
53 1,1,1-Trichloroethane	97	6.665	6.665	0.000	98	213156	2.00	1.94	
54 Cyclohexane	56	6.763	6.763	0.000	90	214941	2.00	1.85	
55 Carbon tetrachloride	117	6.872	6.872	0.000	95	180809	2.00	1.94	
56 1,1-Dichloropropene	75	6.878	6.878	0.000	96	189873	2.00	1.93	
58 Isobutyl alcohol	41	7.049	7.049	0.000	94	135277	100.0	96.0	M
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.104	7.104	0.000	73	143280	10.0	9.87	
60 Benzene	78	7.141	7.141	0.000	96	590366	2.00	1.94	
61 1,2-Dichloroethane	62	7.208	7.208	0.000	97	163703	2.00	1.95	M
63 Tert-amyl methyl ether	73	7.342	7.342	0.000	99	423881	2.00	1.96	
* 64 Fluorobenzene (IS)	96	7.549	7.549	0.000	98	2890296	10.0	10.0	
65 n-Heptane	43	7.561	7.561	0.000	93	168536	2.00	1.78	
67 n-Butanol	56	7.951	7.951	0.000	90	205154	175.0	175.7	
68 Trichloroethene	95	8.025	8.025	0.000	98	155632	2.00	1.95	
69 Methylcyclohexane	83	8.335	8.335	0.000	93	221230	2.00	1.85	
70 1,2-Dichloropropane	63	8.354	8.354	0.000	92	155317	2.00	1.97	
71 2-ethoxy-2-methyl butane	87	8.378	8.378	0.000	92	236087	2.00	1.94	
72 Methyl methacrylate	69	8.451	8.451	0.000	92	76021	2.00	1.82	
73 1,4-Dioxane	88	8.470	8.470	0.000	30	26545	100.0	113.5	M
74 Dibromomethane	93	8.470	8.470	0.000	96	74794	2.00	1.98	
76 Dichlorobromomethane	83	8.707	8.707	0.000	99	190585	2.00	1.98	
77 2-Nitropropane	41	8.982	8.982	0.000	99	106487	10.0	9.04	
79 1-Bromo-2-chloroethane	63	9.097	9.097	0.000	99	174847	2.00	1.99	
81 cis-1,3-Dichloropropene	75	9.268	9.268	0.000	96	238209	2.00	1.97	
82 4-Methyl-2-pentanone (MIBK)	43	9.451	9.451	0.000	97	1074860	20.0	19.3	
\$ 83 Toluene-d8 (Surr)	98	9.579	9.579	0.000	93	2957250	10.0	10.0	
84 Toluene	92	9.658	9.658	0.000	98	381955	2.00	1.93	
85 trans-1,3-Dichloropropene	75	9.927	9.927	0.000	93	205303	2.00	1.97	
86 Ethyl methacrylate	69	9.994	9.994	0.000	89	169212	2.00	1.98	
S 106 1,3-Dichloropropene, Total	100				0			3.94	
107 1,1,2-Trichloroethane	97	10.128	10.128	0.000	89	117950	2.00	1.99	
108 Tetrachloroethene	166	10.219	10.219	0.000	97	165110	2.00	1.96	
109 1,3-Dichloropropane	76	10.298	10.298	0.000	90	197720	2.00	1.97	
110 2-Hexanone	43	10.359	10.359	0.000	96	779287	20.0	19.8	
112 Chlorodibromomethane	129	10.512	10.512	0.000	90	136804	2.00	1.97	
113 Ethylene Dibromide	107	10.622	10.622	0.000	99	111474	2.00	2.02	
* 114 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	85	2275532	10.0	10.0	
115 1-Chlorohexane	91	11.073	11.073	0.000	98	207376	2.00	1.84	
116 Chlorobenzene	112	11.085	11.085	0.000	95	440730	2.00	1.94	
117 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	96	151616	2.00	1.97	
118 Ethylbenzene	91	11.176	11.176	0.000	98	740497	2.00	1.93	
S 119 Xylenes, Total	106				0			5.81	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 m-Xylene & p-Xylene	106	11.292	11.292	0.000	100	567293	4.00	3.89	
121 o-Xylene	106	11.621	11.621	0.000	96	278705	2.00	1.92	
122 Styrene	104	11.640	11.640	0.000	95	483382	2.00	1.97	
123 Bromoform	173	11.792	11.792	0.000	96	86325	2.00	1.97	
124 Isopropylbenzene	105	11.926	11.926	0.000	96	724350	2.00	1.95	
\$ 127 4-Bromofluorobenzene (Surr)	95	12.066	12.066	0.000	90	1126502	10.0	9.91	
128 1,1,2,2-Tetrachloroethane	83	12.170	12.170	0.000	92	158979	2.00	2.04	
129 Bromobenzene	156	12.182	12.182	0.000	95	186757	2.00	1.97	
130 trans-1,4-Dichloro-2-butene	53	12.201	12.201	0.000	92	403329	20.0	19.8	
131 1,2,3-Trichloropropane	110	12.219	12.219	0.000	80	40424	2.00	2.02	
132 N-Propylbenzene	91	12.255	12.255	0.000	99	887756	2.00	1.97	
133 2-Chlorotoluene	126	12.335	12.335	0.000	97	180689	2.00	1.96	
134 1,3,5-Trimethylbenzene	105	12.396	12.396	0.000	94	641578	2.00	1.97	
135 4-Chlorotoluene	126	12.426	12.426	0.000	97	195068	2.00	2.04	
136 tert-Butylbenzene	134	12.633	12.633	0.000	93	136913	2.00	1.95	
137 Pentachloroethane	167	12.664	12.664	0.000	85	122519	2.00	2.02	
138 1,2,4-Trimethylbenzene	105	12.676	12.676	0.000	97	666529	2.00	1.96	
139 sec-Butylbenzene	105	12.798	12.798	0.000	94	810136	2.00	1.95	
140 1,3-Dichlorobenzene	146	12.896	12.896	0.000	98	380461	2.00	1.99	
141 4-Isopropyltoluene	119	12.908	12.908	0.000	97	721928	2.00	1.97	
* 142 1,4-Dichlorobenzene-d4	152	12.950	12.950	0.000	95	1269850	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.969	12.969	0.000	96	375146	2.00	1.96	
144 1,2,3-Trimethylbenzene	120	12.981	12.981	0.000	98	310346	2.00	1.99	
145 Benzyl chloride	126	13.048	13.048	0.000	98	60440	2.00	2.00	
146 p-Diethylbenzene	119	13.109	13.109	0.000	92	441541	2.00	1.98	
147 n-Butylbenzene	92	13.200	13.200	0.000	97	368212	2.00	1.92	
148 1,2-Dichlorobenzene	146	13.231	13.231	0.000	98	363921	2.00	1.99	
150 1,2-Dibromo-3-Chloropropane	155	13.773	13.773	0.000	87	22495	2.00	2.15	
151 1,3,5-Trichlorobenzene	180	13.901	13.901	0.000	98	310707	2.00	1.99	
152 1,2,4-Trichlorobenzene	180	14.322	14.322	0.000	94	276384	2.00	2.01	
153 Hexachlorobutadiene	225	14.401	14.401	0.000	98	127624	2.00	1.97	
154 Naphthalene	128	14.499	14.499	0.000	97	485155	2.00	2.03	
155 1,2,3-Trichlorobenzene	180	14.645	14.645	0.000	96	242434	2.00	2.03	
156 2-Methylnaphthalene	142	15.255	15.255	0.000	92	278544	2.00	2.09	
167 Pentane	43	2.922	2.922	0.000	96	177030	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00080	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00155	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00091	Amount Added: 2.00	Units: uL	
MSV_29_826ISS_00046	Amount Added: 1.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X15.D

Injection Date: 13-Jun-2023 01:48:30

Instrument ID: 16334

Operator ID: gaw91131

Lims ID: IC std4

Worklist Smp#: 16

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

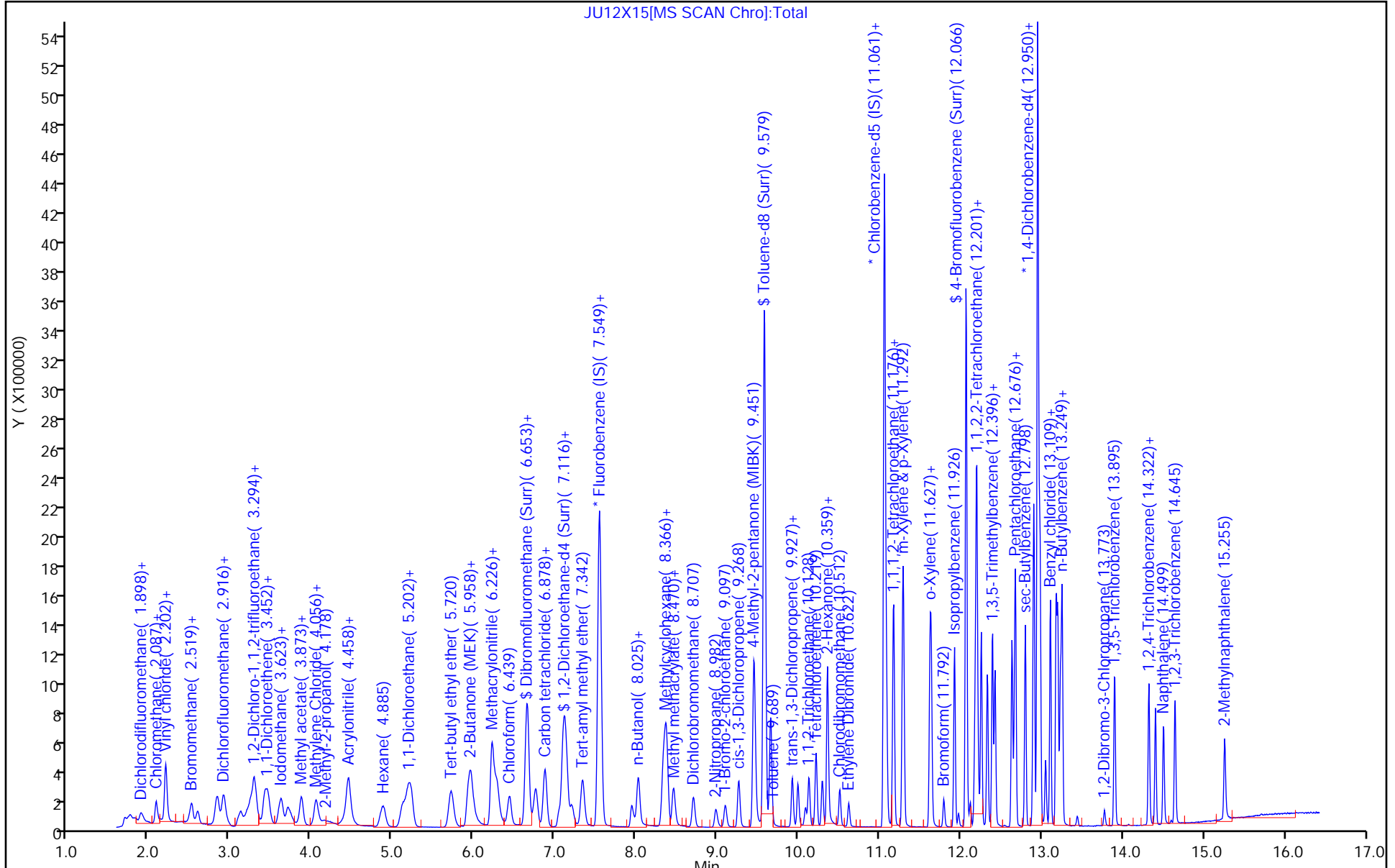
ALS Bottle#: 15

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



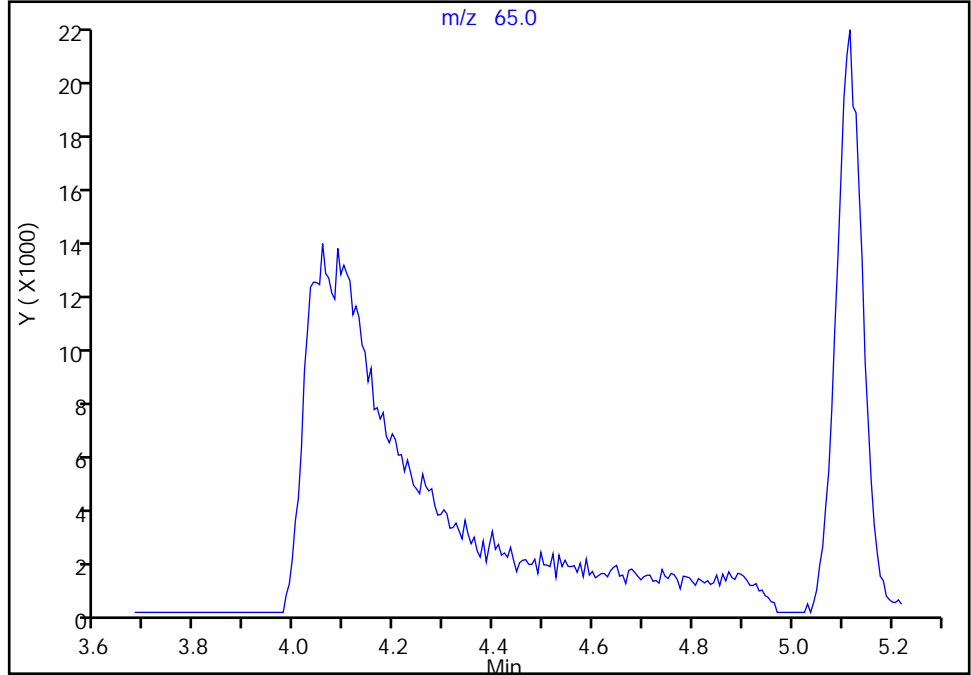
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X15.D
Injection Date: 13-Jun-2023 01:48:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: gaw91131 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2
Signal: 1

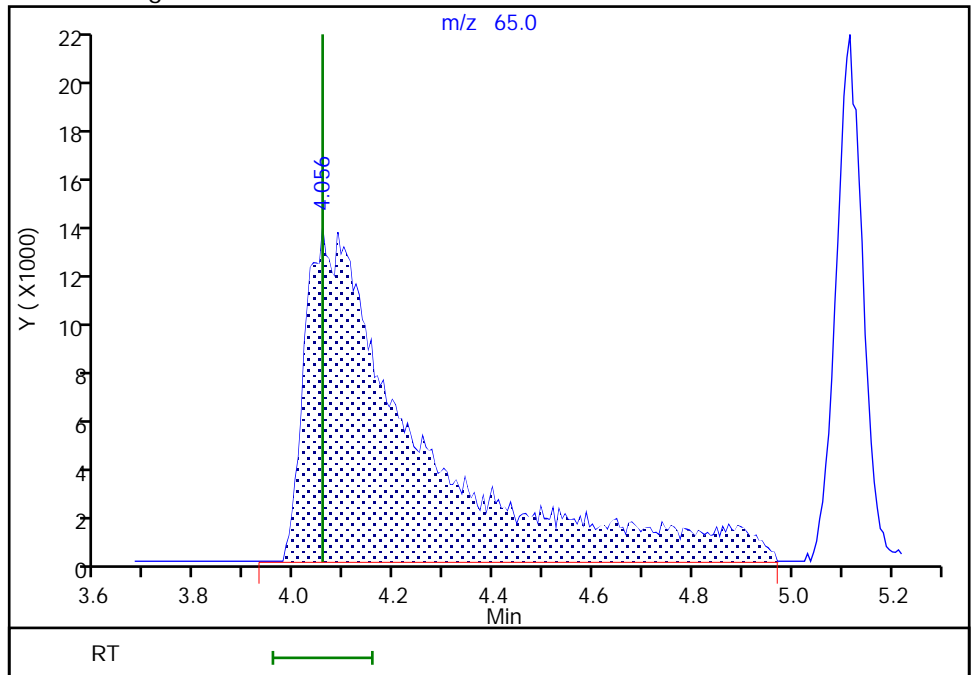
Not Detected
Expected RT: 4.06

Processing Integration Results



Manual Integration Results

RT: 4.06
Area: 217339
Amount: 50.000000
Amount Units: ug/l



Reviewer: DVW2, 13-Jun-2023 11:52:06 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

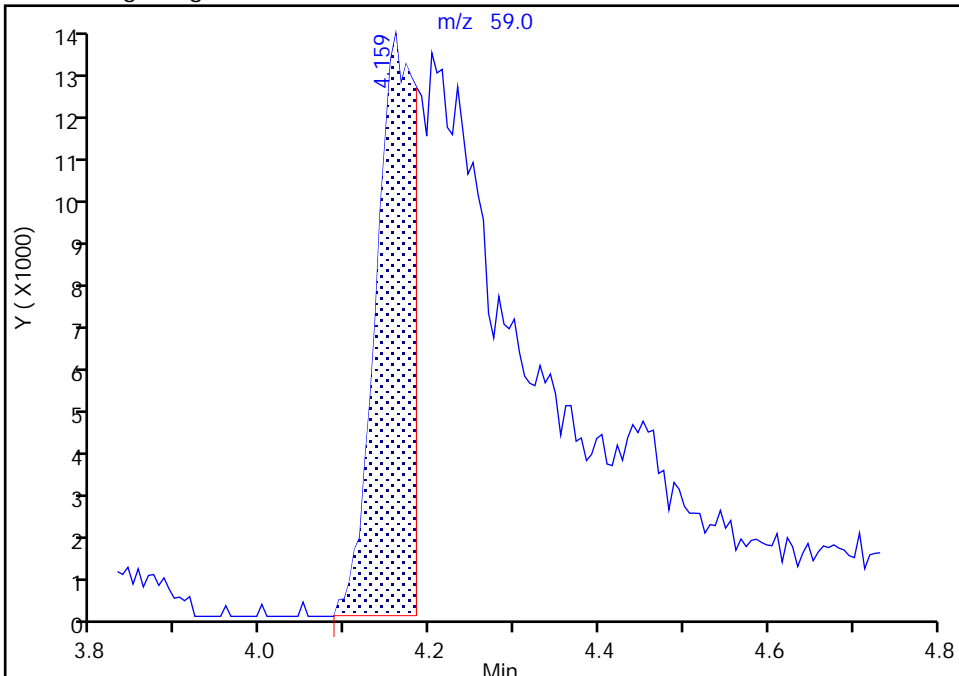
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Injection Date: 13-Jun-2023 01:48:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: gaw91131 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

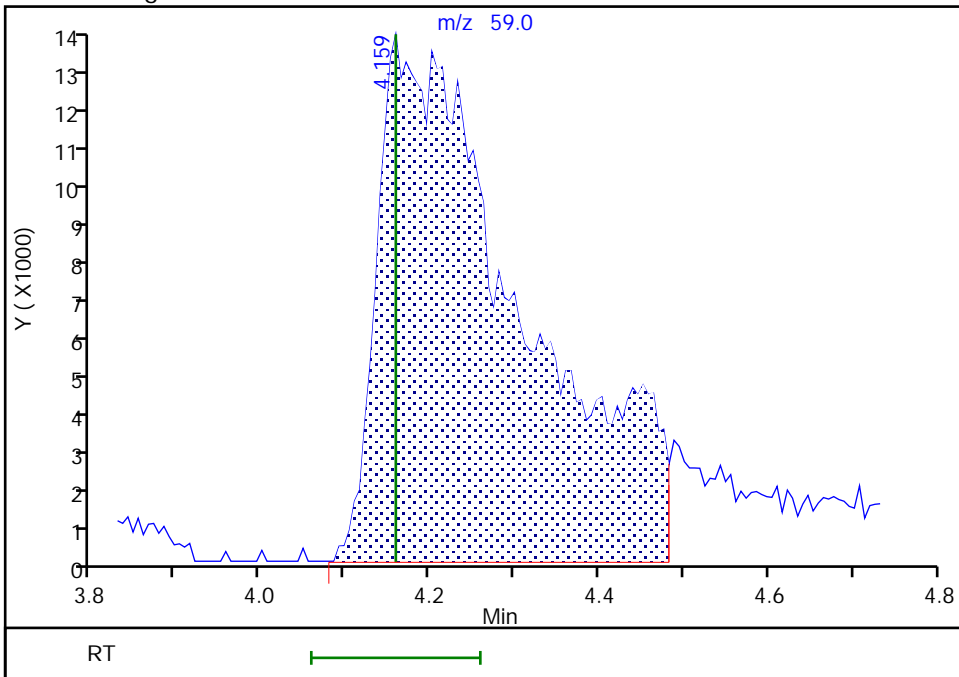
RT: 4.16
Area: 43884
Amount: 13.340876
Amount Units: ug/l

Processing Integration Results



RT: 4.16
Area: 163808
Amount: 42.699255
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 11:53:42 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

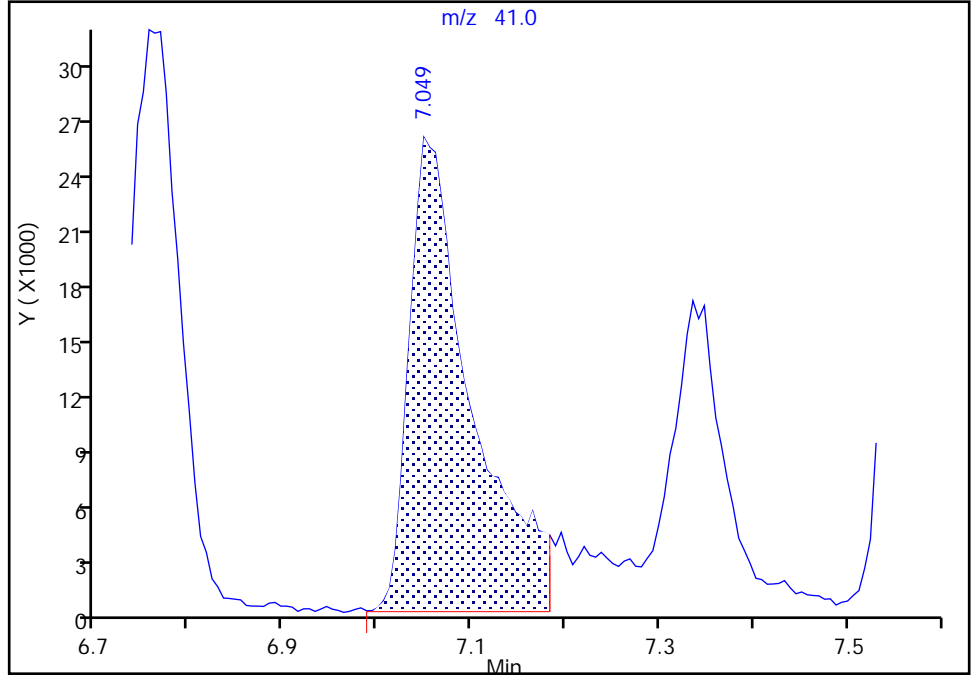
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Injection Date: 13-Jun-2023 01:48:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: gaw91131 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

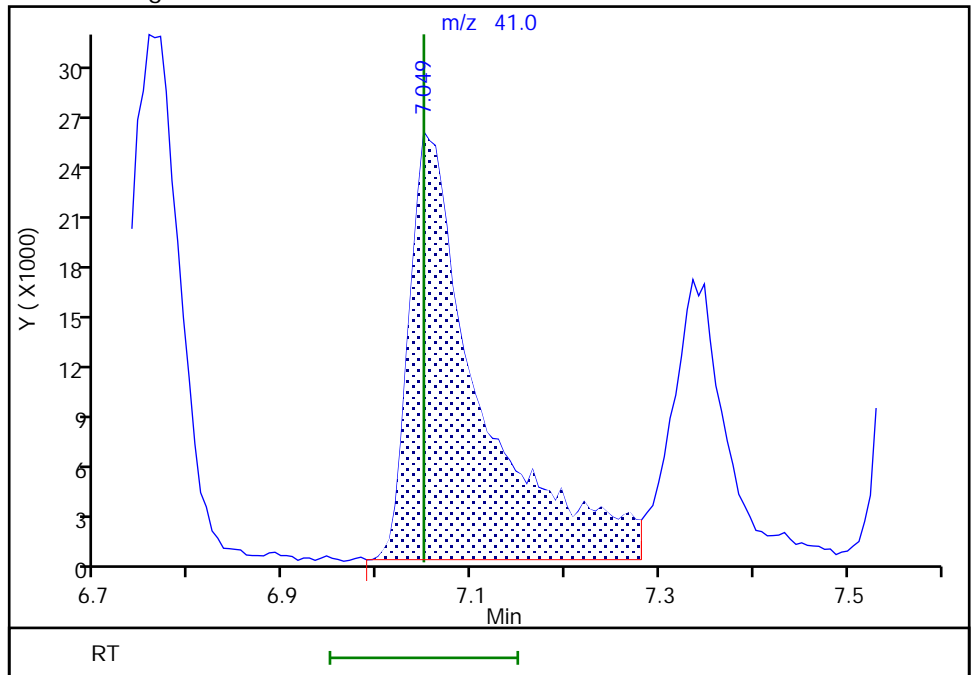
RT: 7.05
Area: 117201
Amount: 85.895796
Amount Units: ug/l

Processing Integration Results



RT: 7.05
Area: 135277
Amount: 96.036881
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 14-Jun-2023 15:17:36 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

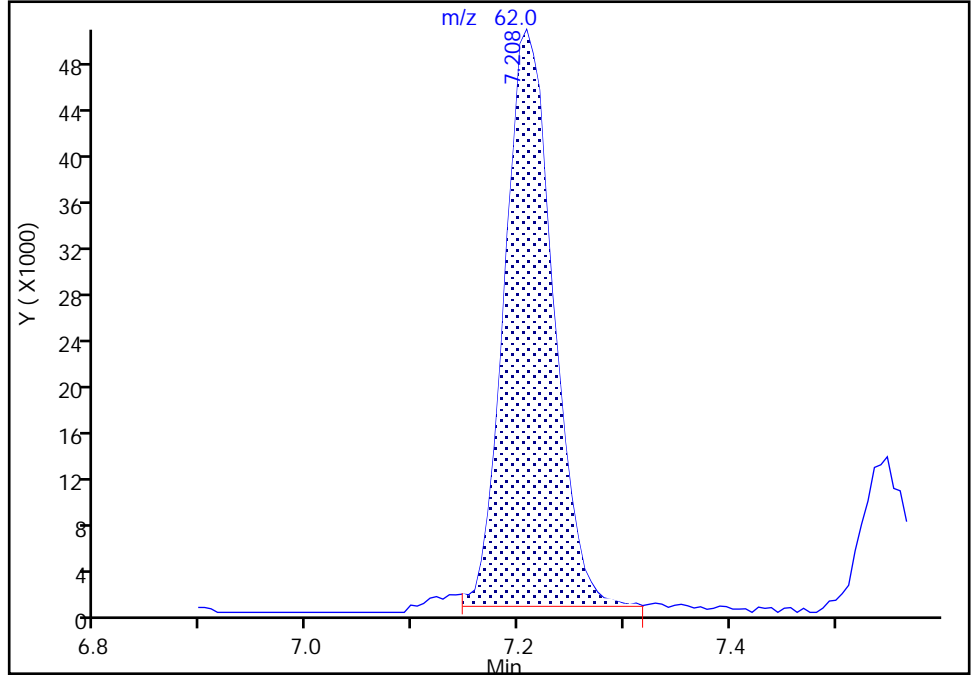
Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X15.D
Injection Date: 13-Jun-2023 01:48:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: gaw91131 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

61 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

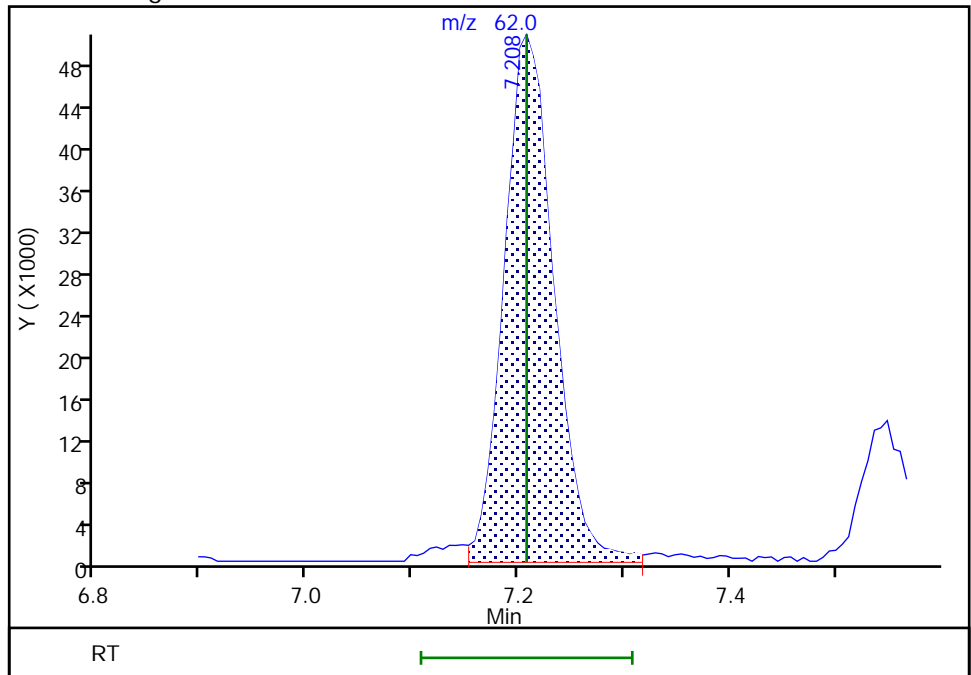
RT: 7.21
Area: 158128
Amount: 1.863722
Amount Units: ug/l

Processing Integration Results



RT: 7.21
Area: 163703
Amount: 1.945723
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 14-Jun-2023 08:08:16 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

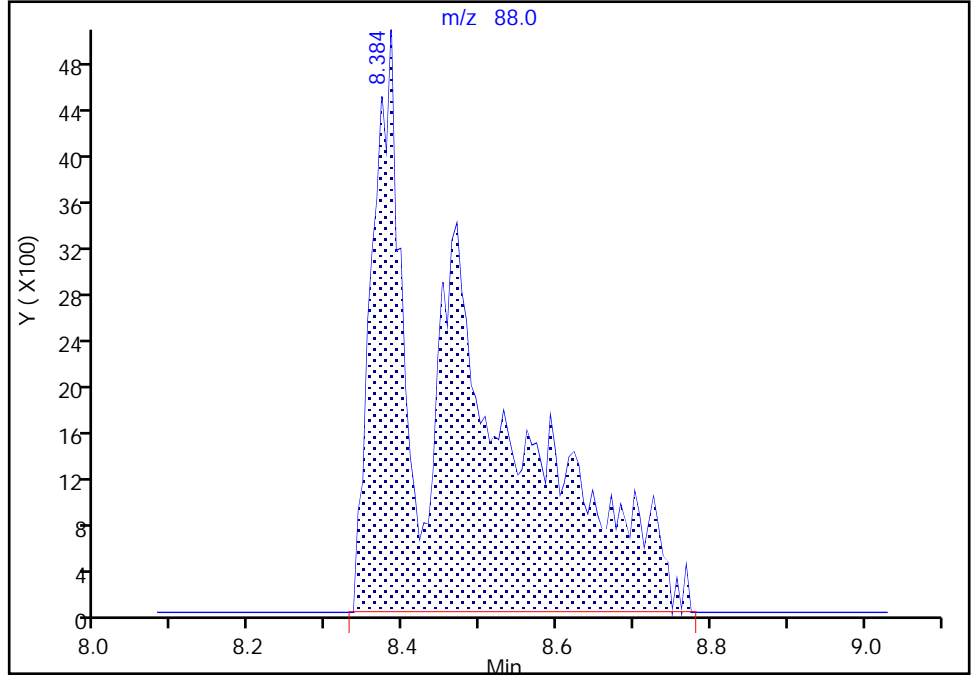
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Injection Date: 13-Jun-2023 01:48:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: gaw91131 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

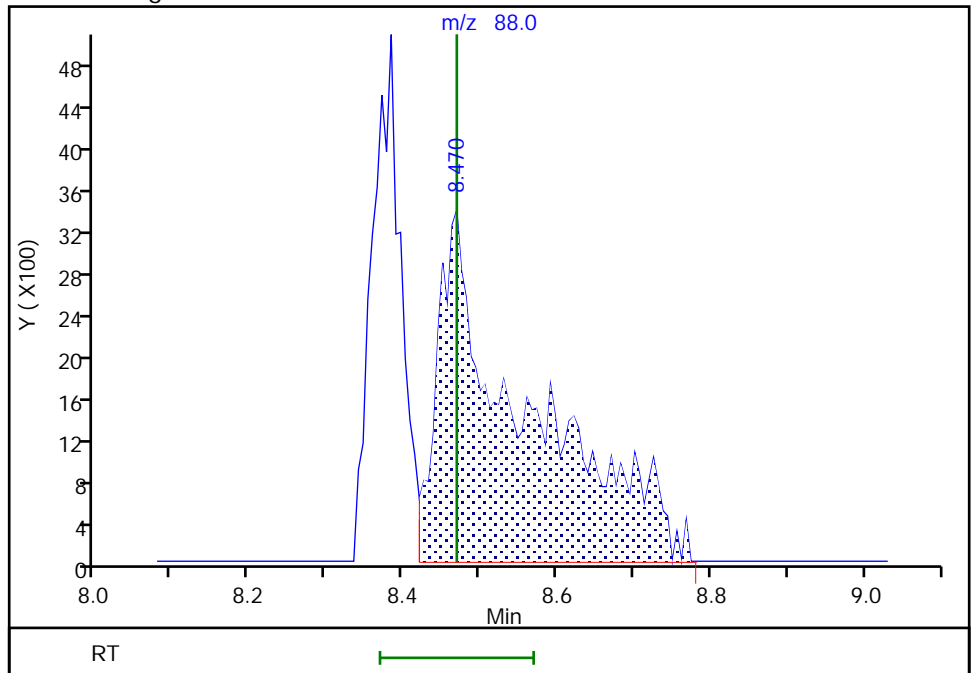
RT: 8.38
Area: 39349
Amount: 180.1591
Amount Units: ug/l

Processing Integration Results



RT: 8.47
Area: 26545
Amount: 113.4554
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 11:54:12 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X16.D
 Lims ID: IC std5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 13-Jun-2023 02:11:30 ALS Bottle#: 16 Worklist Smp#: 17
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086386-017
 Misc. Info.: IC STD5
 Operator ID: gaw91131 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub4

Method: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 14-Jun-2023 15:48:23 Calib Date: 13-Jun-2023 02:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1669

First Level Reviewer: DVW2

Date: 13-Jun-2023 11:57:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.898	1.898	0.000	99	452229	5.00	4.94	
5 Chloromethane	50	2.081	2.087	-0.006	99	531313	5.00	4.90	M
6 Vinyl chloride	62	2.196	2.202	-0.006	97	505324	5.00	4.98	
7 Butadiene	39	2.196	2.202	-0.006	93	434303	5.00	4.76	
9 Bromomethane	94	2.513	2.519	-0.006	91	347540	5.00	4.98	
10 Chloroethane	64	2.593	2.599	-0.006	100	303864	5.00	5.10	
11 Dichlorofluoromethane	67	2.830	2.843	-0.013	97	691767	5.00	4.90	
12 Trichlorofluoromethane	101	2.891	2.897	-0.006	96	556942	5.00	5.21	
13 Ethyl ether	59	3.111	3.117	-0.006	93	307150	5.00	5.22	
16 1,2-Dichloro-1,1,2-trifluoroethane	67	3.214	3.214	0.000	92	411679	5.00	4.84	
17 Acrolein	56	3.282	3.294	-0.012	100	1932247	250.0	247.0	
18 1,1-Dichloroethene	96	3.416	3.428	-0.012	98	308825	5.00	4.92	
19 Acetone	43	3.440	3.452	-0.012	99	473693	50.0	50.4	M
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.458	3.464	-0.006	92	292584	5.00	4.84	
21 Isopropyl alcohol	45	3.580	3.592	-0.012	92	181060	100.0	101.0	
22 Iodomethane	142	3.599	3.611	-0.012	99	601251	5.00	5.08	
23 Ethyl bromide	108	3.629	3.635	-0.006	98	287572	5.00	5.11	
24 Carbon disulfide	76	3.702	3.708	-0.006	99	1077136	5.00	5.00	
25 Methyl acetate	43	3.830	3.849	-0.018	96	124251	5.00	4.84	
27 3-Chloro-1-propene	41	3.867	3.879	-0.012	92	550926	5.00	5.05	
29 Methylene Chloride	84	4.050	4.056	-0.006	91	360358	5.00	5.01	
* 30 t-Butyl alcohol-d10 (IS)	65	4.092	4.056	0.036	100	218244	50.0	50.0	M
31 2-Methyl-2-propanol	59	4.159	4.159	0.000	99	369237	100.0	95.8	M
32 Acrylonitrile	53	4.379	4.373	0.006	98	182609	12.5	13.1	
33 Methyl tert-butyl ether	73	4.446	4.452	-0.006	90	1007442	5.00	5.14	
34 trans-1,2-Dichloroethene	96	4.440	4.458	-0.018	99	363041	5.00	4.95	
35 Hexane	57	4.867	4.873	-0.006	93	420378	5.00	4.71	
37 1,1-Dichloroethane	63	5.110	5.123	-0.013	96	645957	5.00	5.05	
38 Isopropyl ether	45	5.178	5.190	-0.012	95	1242016	5.00	5.12	
39 2-Chloro-1,3-butadiene	53	5.220	5.232	-0.012	90	540776	5.00	5.02	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.714	5.720	-0.006	98	1205740	5.00	5.20	
41 2-Butanone (MEK)	43	5.915	5.927	-0.012	100	1022555	50.0	51.3	
42 cis-1,2-Dichloroethene	96	5.952	5.958	-0.006	82	400992	5.00	4.92	
43 2,2-Dichloropropane	77	5.970	5.976	-0.006	88	529352	5.00	5.01	
45 Propionitrile	54	6.001	6.013	-0.012	99	493394	100.0	101.6	
S 47 1,2-Dichloroethene, Total	100				0			9.86	
48 Methacrylonitrile	67	6.220	6.226	-0.006	92	1032620	50.0	50.0	
49 Chlorobromomethane	128	6.281	6.281	0.000	96	182886	5.00	5.17	
50 Tetrahydrofuran	71	6.299	6.305	-0.006	68	153039	25.0	25.2	
51 Chloroform	83	6.433	6.439	-0.006	93	657425	5.00	5.10	
\$ 52 Dibromofluoromethane (Surr)	113	6.647	6.653	-0.006	94	689117	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.659	6.665	-0.006	97	543168	5.00	5.02	
54 Cyclohexane	56	6.756	6.763	-0.007	91	554729	5.00	4.84	
55 Carbon tetrachloride	117	6.872	6.872	0.000	85	460129	5.00	5.00	
56 1,1-Dichloropropene	75	6.872	6.878	-0.006	96	484930	5.00	5.00	
58 Isobutyl alcohol	41	7.049	7.049	0.000	95	348082	250.0	250.6	M
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.104	7.104	0.000	90	143928	10.0	10.1	
60 Benzene	78	7.134	7.141	-0.007	97	1514366	5.00	5.05	
61 1,2-Dichloroethane	62	7.202	7.208	-0.006	97	421901	5.00	5.09	M
63 Tert-amyl methyl ether	73	7.336	7.342	-0.006	99	1090556	5.00	5.12	
* 64 Fluorobenzene (IS)	96	7.543	7.549	-0.006	99	2850114	10.0	10.0	
65 n-Heptane	43	7.561	7.561	0.000	93	442900	5.00	4.76	
67 n-Butanol	56	7.939	7.951	-0.012	89	551587	437.5	470.6	
68 Trichloroethene	95	8.025	8.025	0.000	98	396020	5.00	5.03	
69 Methylcyclohexane	83	8.329	8.335	-0.006	93	569580	5.00	4.82	
70 1,2-Dichloropropane	63	8.354	8.354	0.000	97	400851	5.00	5.15	
71 2-ethoxy-2-methyl butane	87	8.372	8.378	-0.006	94	617048	5.00	5.15	
72 Methyl methacrylate	69	8.451	8.451	0.000	91	215344	5.00	5.14	
73 1,4-Dioxane	88	8.470	8.470	0.000	30	62732	250.0	267.0	M
74 Dibromomethane	93	8.470	8.470	0.000	97	196793	5.00	5.29	
76 Dichlorobromomethane	83	8.707	8.707	0.000	99	491344	5.00	5.17	
77 2-Nitropropane	41	8.982	8.982	0.000	98	295334	25.0	25.0	
79 1-Bromo-2-chloroethane	63	9.097	9.097	0.000	99	453317	5.00	5.24	
81 cis-1,3-Dichloropropene	75	9.262	9.268	-0.006	96	622882	5.00	5.23	
82 4-Methyl-2-pentanone (MIBK)	43	9.451	9.451	0.000	97	2858721	50.0	51.0	
\$ 83 Toluene-d8 (Surr)	98	9.579	9.579	0.000	93	2917533	10.0	10.0	
84 Toluene	92	9.658	9.658	0.000	98	988125	5.00	5.05	
85 trans-1,3-Dichloropropene	75	9.921	9.927	-0.007	93	544238	5.00	5.27	
86 Ethyl methacrylate	69	9.994	9.994	0.000	89	457445	5.00	5.39	
S 106 1,3-Dichloropropene, Total	100				0			10.5	
107 1,1,2-Trichloroethane	97	10.128	10.128	0.000	90	301292	5.00	5.13	
108 Tetrachloroethene	166	10.219	10.219	0.000	97	412364	5.00	4.94	
109 1,3-Dichloropropane	76	10.292	10.298	-0.006	90	510859	5.00	5.15	
110 2-Hexanone	43	10.359	10.359	0.000	97	2082242	50.0	52.7	
112 Chlorodibromomethane	129	10.512	10.512	0.000	89	361834	5.00	5.25	
113 Ethylene Dibromide	107	10.622	10.622	0.000	98	289982	5.00	5.29	
* 114 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.001	86	2256032	10.0	10.0	
115 1-Chlorohexane	91	11.073	11.073	0.000	97	532096	5.00	4.76	
116 Chlorobenzene	112	11.085	11.085	0.000	94	1134274	5.00	5.04	
117 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	96	394971	5.00	5.17	
118 Ethylbenzene	91	11.176	11.176	0.000	98	1913000	5.00	5.04	
S 119 Xylenes, Total	106				0			15.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 m-Xylene & p-Xylene	106	11.292	11.292	0.000	100	1482303	10.0	10.2	
121 o-Xylene	106	11.621	11.621	0.000	96	733259	5.00	5.10	
122 Styrene	104	11.640	11.640	0.000	95	1273835	5.00	5.23	
123 Bromoform	173	11.792	11.792	0.000	97	227504	5.00	5.23	
124 Isopropylbenzene	105	11.926	11.926	0.000	96	1885886	5.00	5.11	
\$ 127 4-Bromofluorobenzene (Surr)	95	12.066	12.066	0.000	90	1134509	10.0	10.1	
128 1,1,2,2-Tetrachloroethane	83	12.176	12.170	0.006	92	411499	5.00	5.26	
129 Bromobenzene	156	12.182	12.182	0.000	95	485228	5.00	5.11	
130 trans-1,4-Dichloro-2-butene	53	12.201	12.201	0.000	91	1080768	50.0	52.8	
131 1,2,3-Trichloropropane	110	12.219	12.219	0.000	80	104484	5.00	5.20	
132 N-Propylbenzene	91	12.255	12.255	0.000	99	2296323	5.00	5.08	
133 2-Chlorotoluene	126	12.329	12.335	-0.006	96	463118	5.00	5.02	
134 1,3,5-Trimethylbenzene	105	12.396	12.396	0.000	94	1652192	5.00	5.06	
135 4-Chlorotoluene	126	12.426	12.426	0.000	97	491460	5.00	5.12	
136 tert-Butylbenzene	134	12.633	12.633	0.000	93	351509	5.00	4.99	M
137 Pentachloroethane	167	12.664	12.664	0.000	94	322883	5.00	5.33	
138 1,2,4-Trimethylbenzene	105	12.676	12.676	0.000	97	1751579	5.00	5.14	
139 sec-Butylbenzene	105	12.798	12.798	0.000	94	2099721	5.00	5.04	
140 1,3-Dichlorobenzene	146	12.896	12.896	0.000	98	976666	5.00	5.10	
141 4-Isopropyltoluene	119	12.908	12.908	0.000	97	1872534	5.00	5.10	
* 142 1,4-Dichlorobenzene-d4	152	12.950	12.950	0.000	95	1271792	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.969	12.969	0.000	95	964197	5.00	5.02	
144 1,2,3-Trimethylbenzene	120	12.981	12.981	0.000	99	799667	5.00	5.12	
145 Benzyl chloride	126	13.048	13.048	0.000	98	164546	5.00	5.43	
146 p-Diethylbenzene	119	13.109	13.109	0.000	92	1138916	5.00	5.09	
147 n-Butylbenzene	92	13.200	13.200	0.000	96	966871	5.00	5.04	
148 1,2-Dichlorobenzene	146	13.231	13.231	0.000	98	930135	5.00	5.08	
150 1,2-Dibromo-3-Chloropropane	155	13.773	13.773	0.000	88	58838	5.00	5.63	
151 1,3,5-Trichlorobenzene	180	13.895	13.901	-0.006	98	802905	5.00	5.14	
152 1,2,4-Trichlorobenzene	180	14.322	14.322	0.000	94	711994	5.00	5.18	
153 Hexachlorobutadiene	225	14.401	14.401	0.000	97	322870	5.00	4.97	
154 Naphthalene	128	14.499	14.499	0.000	97	1291643	5.00	5.41	
155 1,2,3-Trichlorobenzene	180	14.645	14.645	0.000	96	617743	5.00	5.15	
156 2-Methylnaphthalene	142	15.255	15.255	0.000	93	714754	5.00	5.35	
167 Pentane	43	2.910	2.922	-0.012	97	461779	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00080	Amount Added: 5.00	Units: uL	
MSV_LL_GAS826_00155	Amount Added: 5.00	Units: uL	
MSV_LL_#2_826_00091	Amount Added: 5.00	Units: uL	
MSV_29_826ISS_00046	Amount Added: 1.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X16.D

Injection Date: 13-Jun-2023 02:11:30

Instrument ID: 16334

Operator ID: gaw91131

Lims ID: IC std5

Worklist Smp#: 17

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

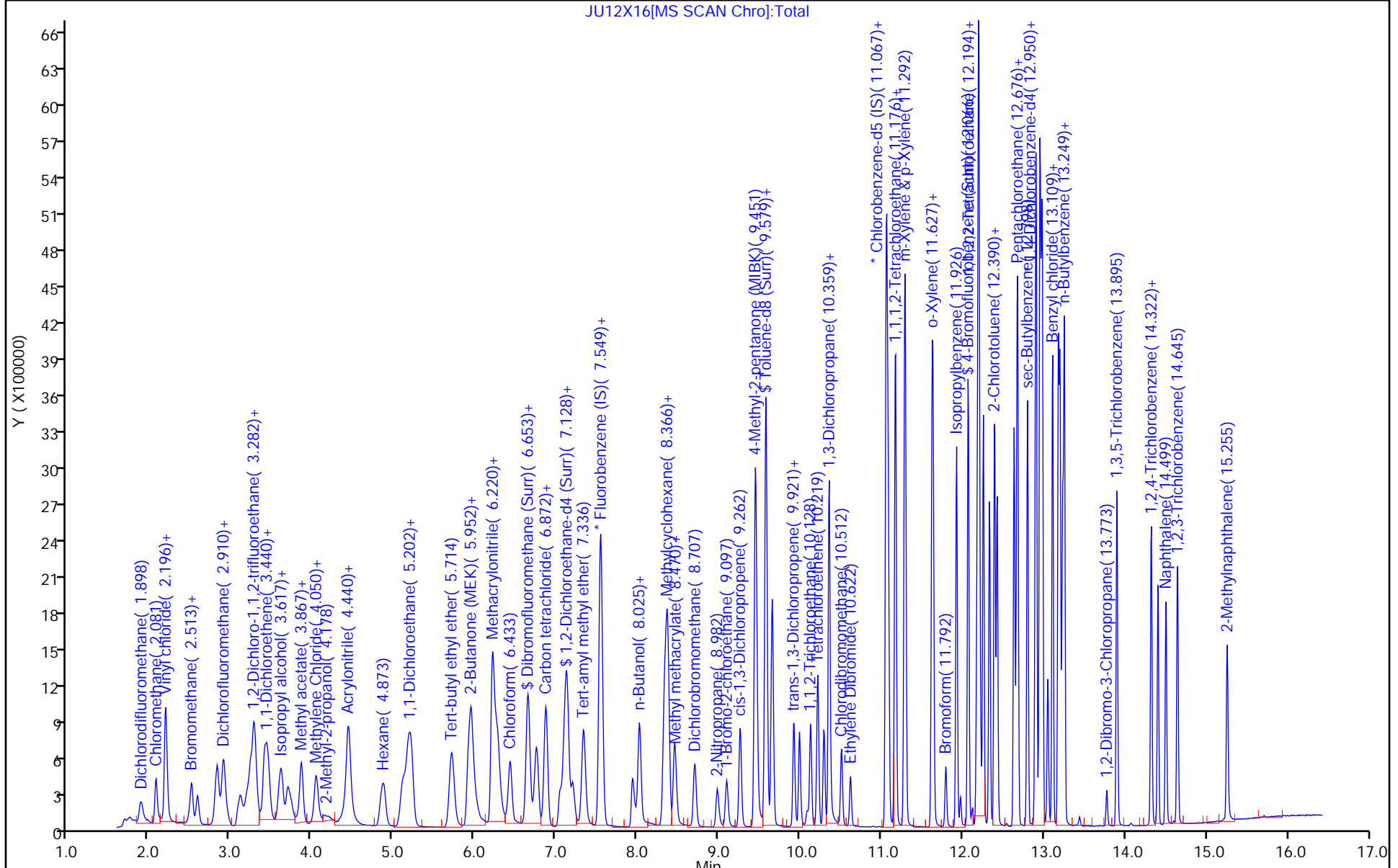
ALS Bottle#: 16

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

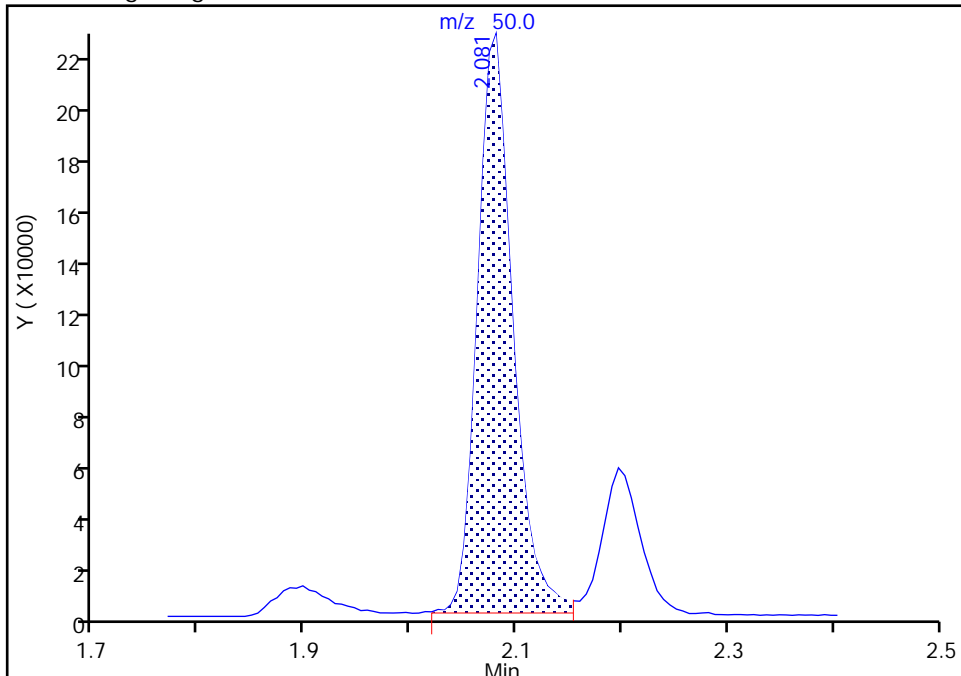
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Injection Date: 13-Jun-2023 02:11:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

5 Chloromethane, CAS: 74-87-3

Signal: 1

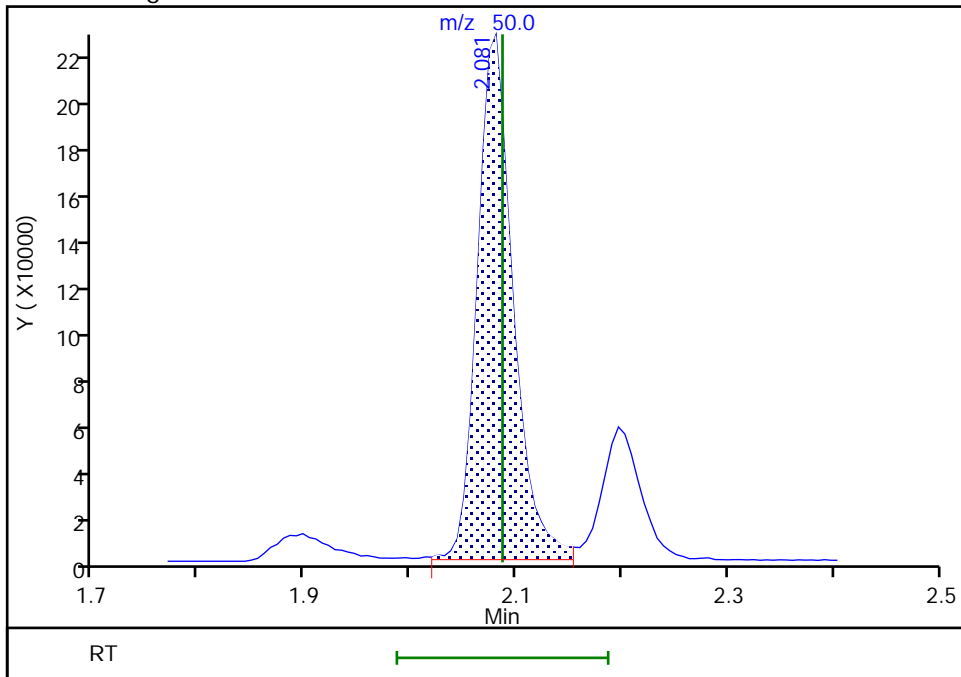
RT: 2.08
Area: 528335
Amount: 4.815519
Amount Units: ug/l

Processing Integration Results



RT: 2.08
Area: 531313
Amount: 4.899700
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 11:55:08 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

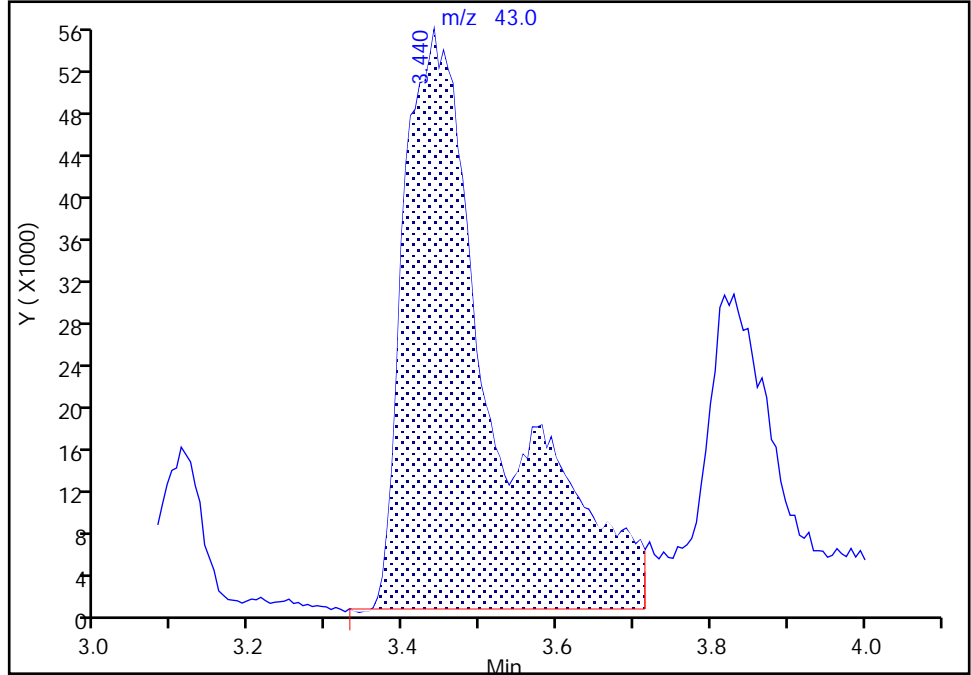
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Injection Date: 13-Jun-2023 02:11:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

19 Acetone, CAS: 67-64-1

Signal: 1

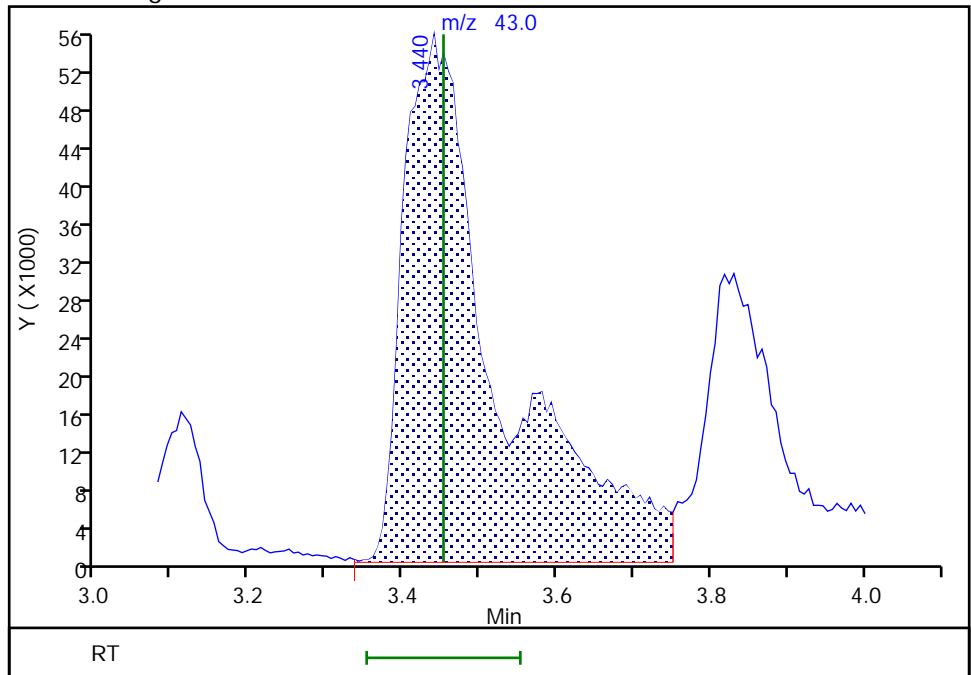
RT: 3.44
Area: 453087
Amount: 52.672506
Amount Units: ug/l

Processing Integration Results



RT: 3.44
Area: 473693
Amount: 50.441583
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 11:55:44 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

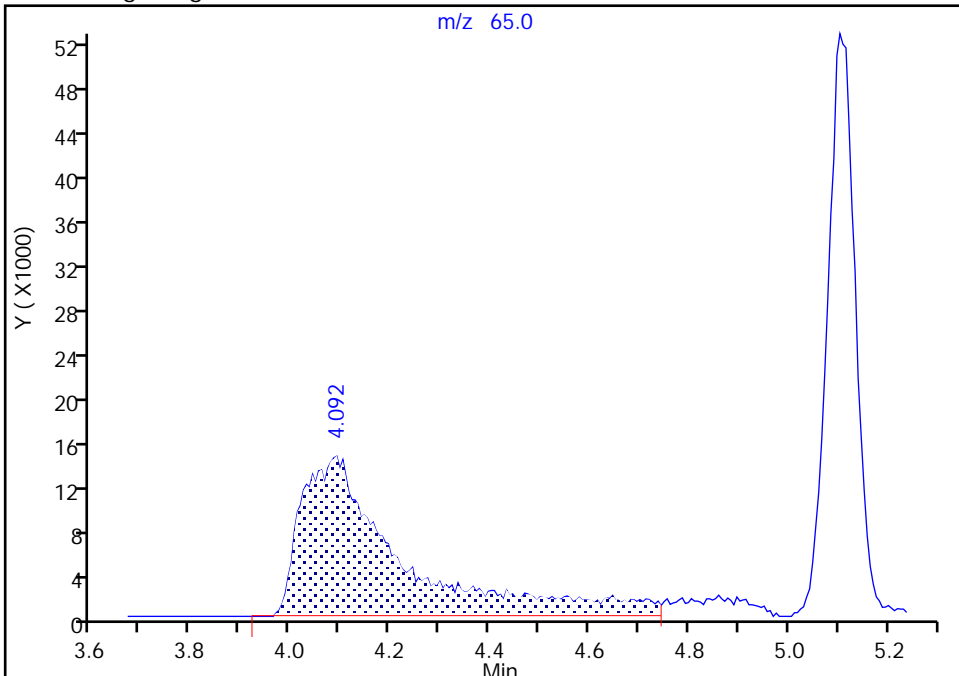
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Injection Date: 13-Jun-2023 02:11:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

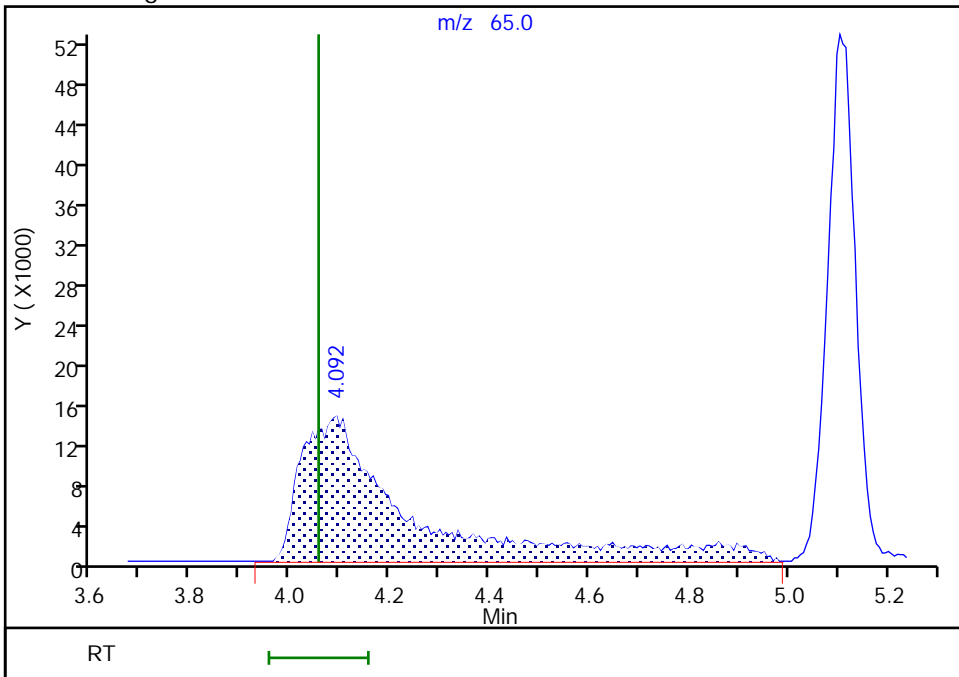
RT: 4.09
Area: 201048
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 4.09
Area: 218244
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 11:55:57 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

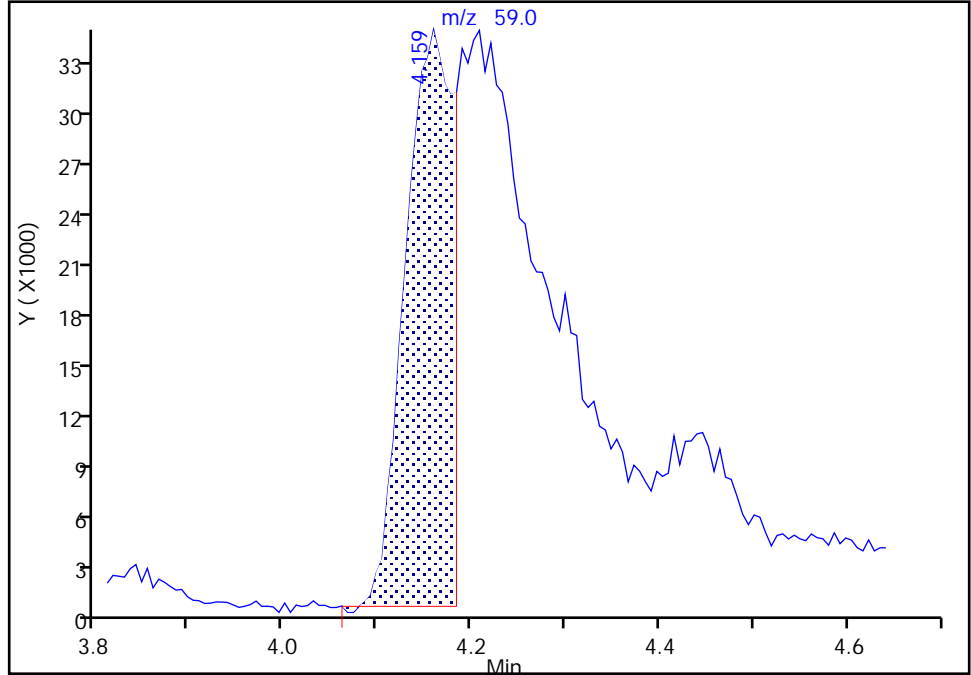
Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X16.D
Injection Date: 13-Jun-2023 02:11:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

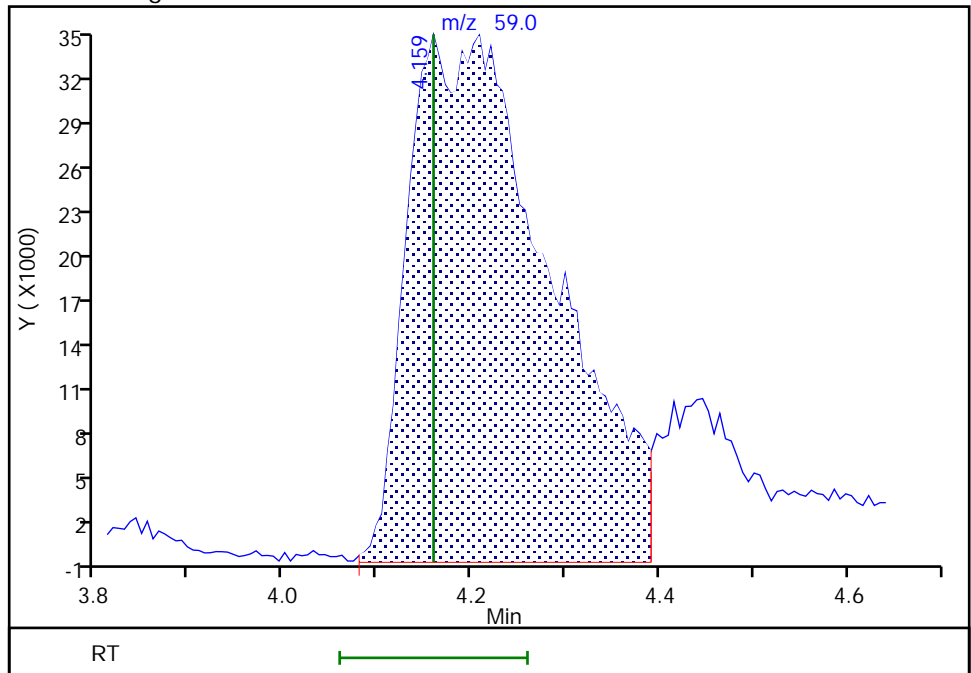
RT: 4.16
Area: 122986
Amount: 35.233505
Amount Units: ug/l

Processing Integration Results



RT: 4.16
Area: 369237
Amount: 95.848597
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 11:56:18 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

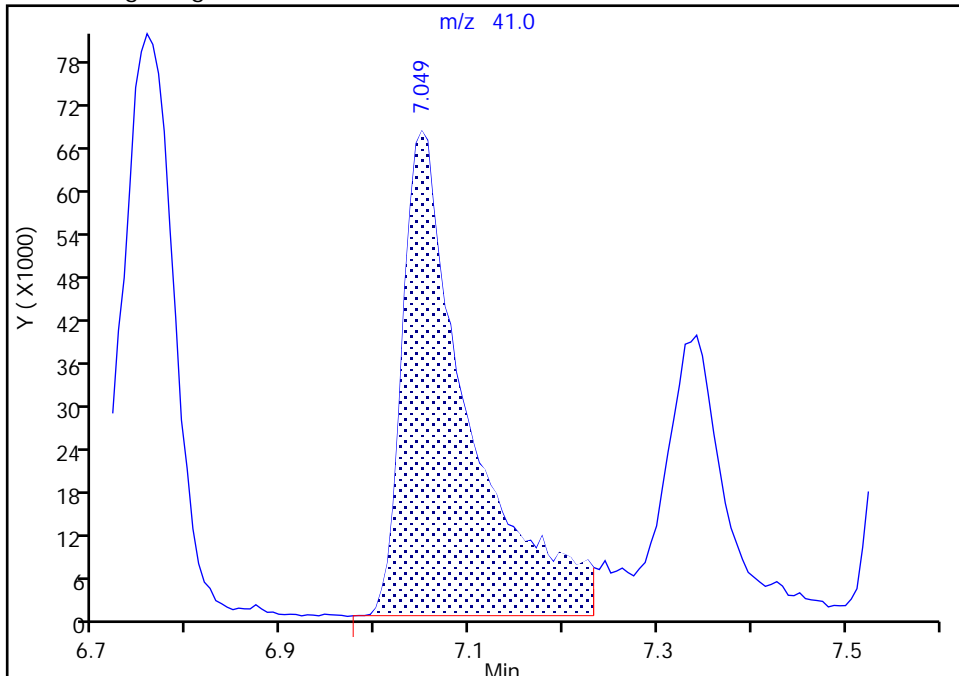
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Injection Date: 13-Jun-2023 02:11:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

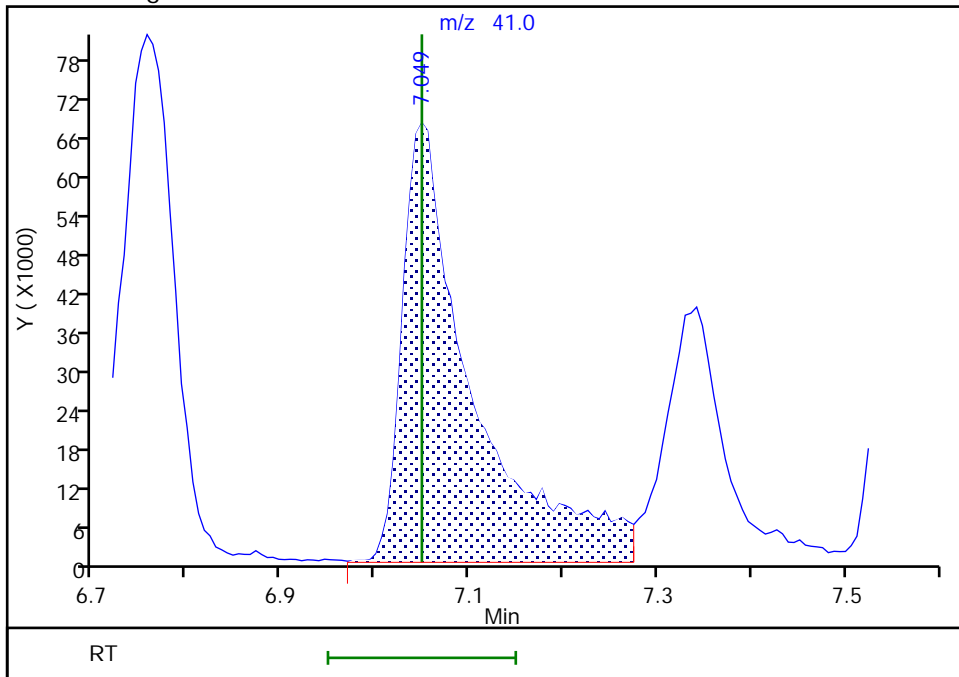
RT: 7.05
Area: 330205
Amount: 240.8585
Amount Units: ug/l

Processing Integration Results



RT: 7.05
Area: 348082
Amount: 250.5969
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 14-Jun-2023 15:18:22 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

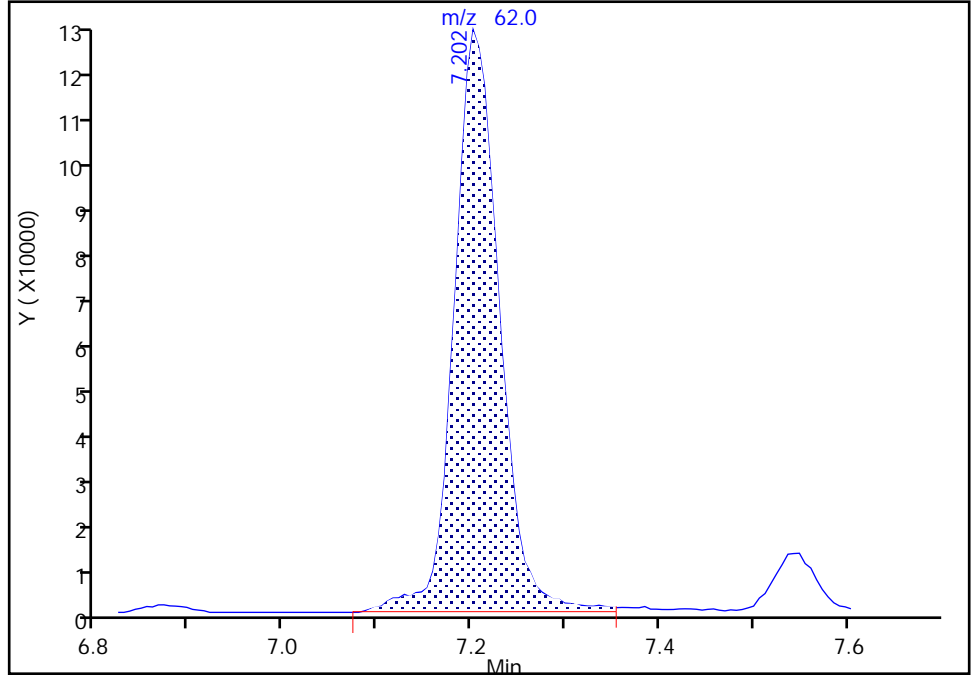
Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X16.D
Injection Date: 13-Jun-2023 02:11:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

61 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

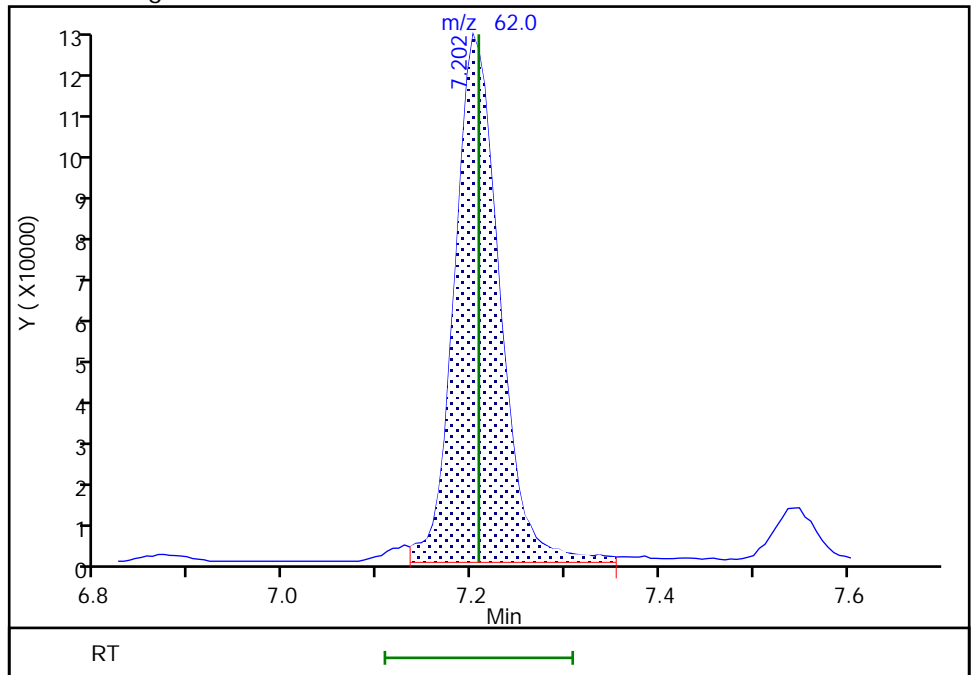
RT: 7.20
Area: 427802
Amount: 5.105853
Amount Units: ug/l

Processing Integration Results



RT: 7.20
Area: 421901
Amount: 5.085283
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 14-Jun-2023 08:08:30 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

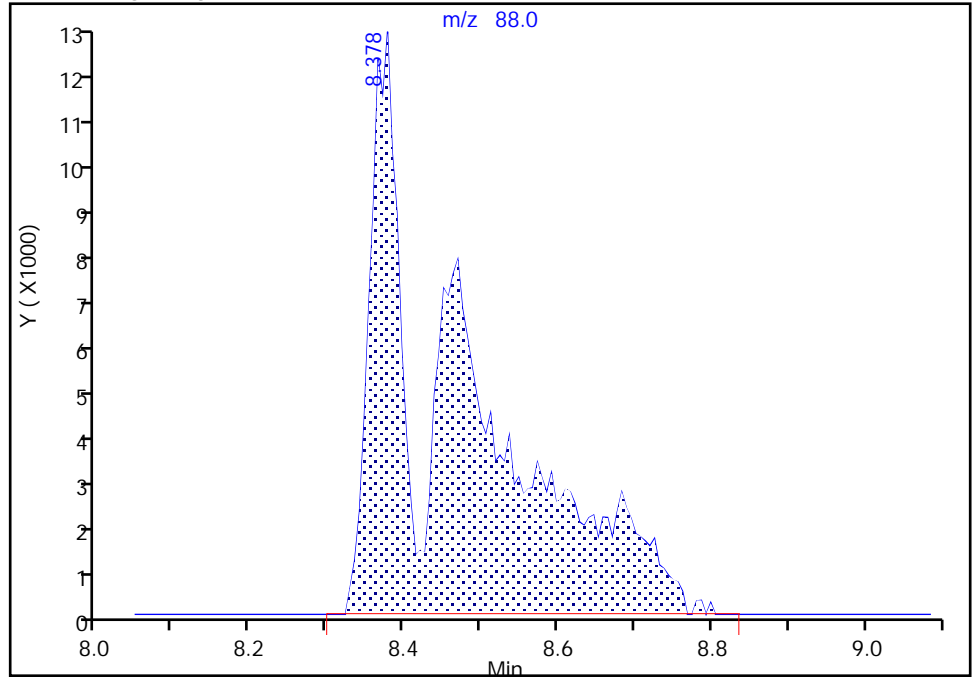
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Injection Date: 13-Jun-2023 02:11:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

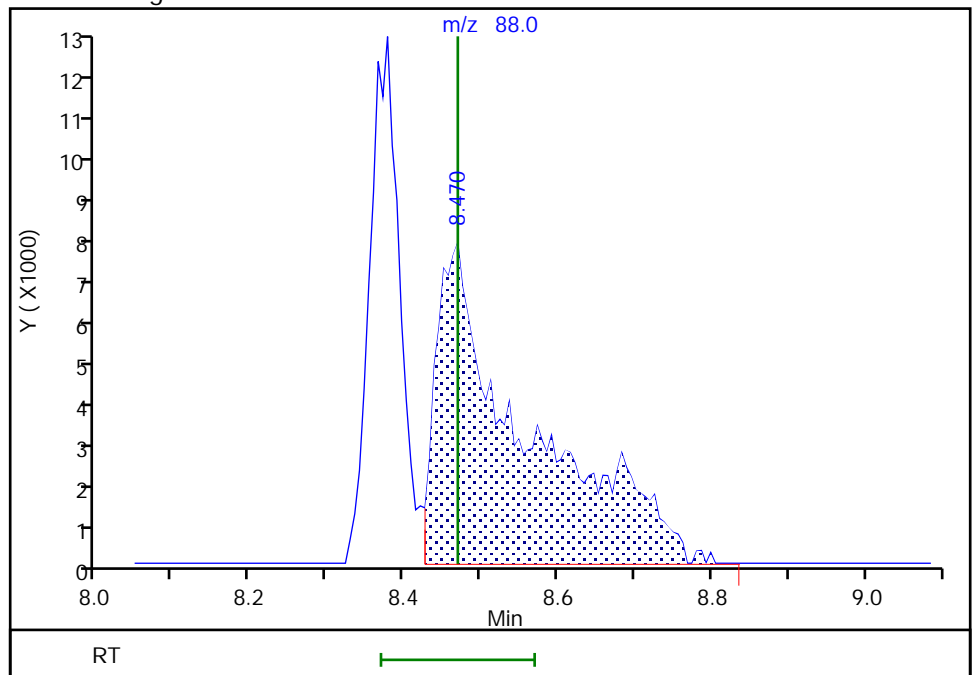
RT: 8.38
Area: 97158
Amount: 427.1256
Amount Units: ug/l

Processing Integration Results



RT: 8.47
Area: 62732
Amount: 267.0095
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 11:56:46 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

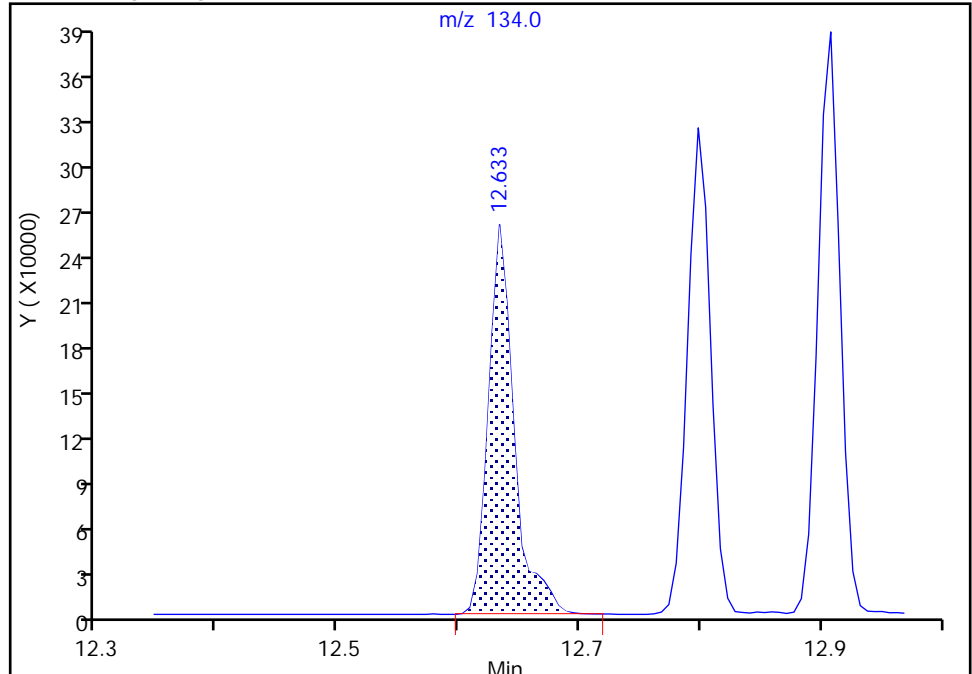
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Injection Date: 13-Jun-2023 02:11:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

136 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

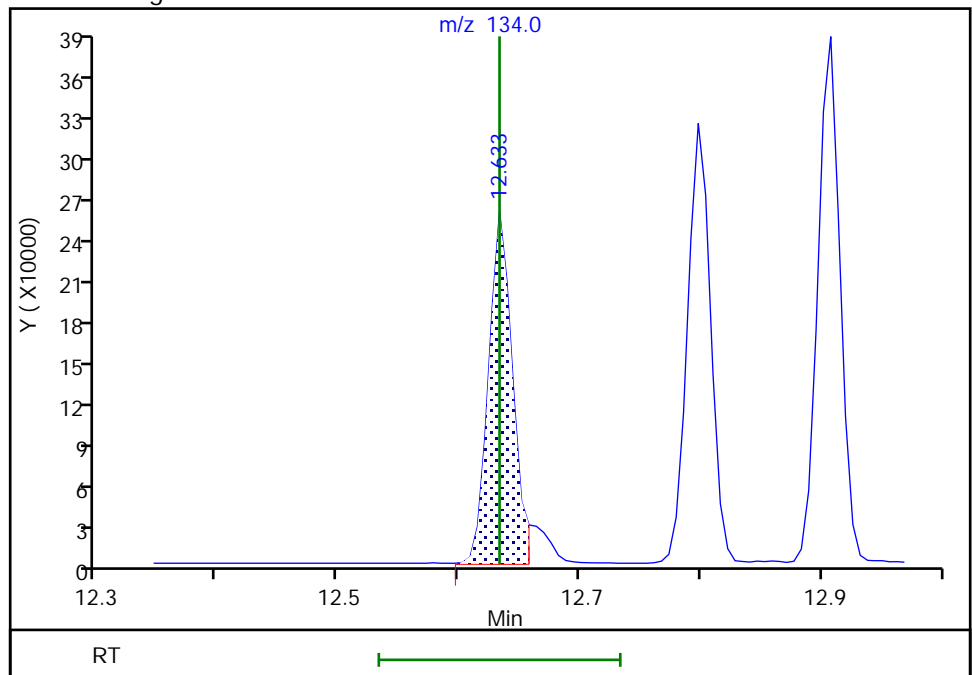
RT: 12.63
Area: 378665
Amount: 5.259800
Amount Units: ug/l

Processing Integration Results



RT: 12.63
Area: 351509
Amount: 4.992833
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 14-Jun-2023 07:57:55 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X17.D
 Lims ID: ICIS std6
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 13-Jun-2023 02:33:30 ALS Bottle#: 17 Worklist Smp#: 18
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086386-018
 Misc. Info.: ICIS STD6
 Operator ID: gaw91131 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub4

Method: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 14-Jun-2023 15:48:32 Calib Date: 13-Jun-2023 02:55:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1669

First Level Reviewer: DVW2 Date: 13-Jun-2023 12:41:31

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	961621	10.0	10.2	
5 Chloromethane	50	2.087	2.087	0.000	99	1099048	10.0	9.82	
6 Vinyl chloride	62	2.197	2.197	0.000	98	1071335	10.0	10.2	
7 Butadiene	39	2.203	2.203	0.000	93	910160	10.0	9.66	
9 Bromomethane	94	2.520	2.520	0.000	91	728515	10.0	10.1	
10 Chloroethane	64	2.593	2.593	0.000	100	630999	10.0	10.3	
11 Dichlorofluoromethane	67	2.837	2.837	0.000	97	1450510	10.0	9.95	
12 Trichlorofluoromethane	101	2.904	2.904	0.000	97	1226373	10.0	11.1	
13 Ethyl ether	59	3.111	3.111	0.000	92	647982	10.0	10.7	
16 1,2-Dichloro-1,1,2-trifluoroethane	67	3.209	3.209	0.000	93	873110	10.0	9.95	
17 Acrolein	56	3.288	3.288	0.000	99	4152287	500.0	525.6	
18 1,1-Dichloroethene	96	3.422	3.422	0.000	98	677933	10.0	10.5	
19 Acetone	43	3.452	3.452	0.000	73	976759	100.0	103.0	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.458	3.458	0.000	92	678491	10.0	10.9	
21 Isopropyl alcohol	45	3.587	3.587	0.000	92	341720	200.0	184.8	
22 Iodomethane	142	3.605	3.605	0.000	98	1323534	10.0	10.8	
23 Ethyl bromide	108	3.629	3.629	0.000	98	613941	10.0	10.6	
24 Carbon disulfide	76	3.708	3.708	0.000	99	2428357	10.0	10.9	
25 Methyl acetate	43	3.843	3.843	0.000	96	258014	10.0	9.96	M
27 3-Chloro-1-propene	41	3.867	3.867	0.000	92	1217136	10.0	10.8	
29 Methylene Chloride	84	4.050	4.050	0.000	91	796595	10.0	10.7	
* 30 t-Butyl alcohol-d10 (IS)	65	4.080	4.080	0.000	99	220415	50.0	50.0	M
31 2-Methyl-2-propanol	59	4.214	4.214	0.000	99	736807	200.0	189.4	
32 Acrylonitrile	53	4.379	4.379	0.000	99	389478	25.0	27.7	
33 Methyl tert-butyl ether	73	4.452	4.452	0.000	90	2208714	10.0	10.9	
34 trans-1,2-Dichloroethene	96	4.446	4.446	0.000	100	803388	10.0	10.6	
35 Hexane	57	4.879	4.879	0.000	92	1011667	10.0	11.0	
37 1,1-Dichloroethane	63	5.111	5.111	0.000	96	1407682	10.0	10.7	
38 Isopropyl ether	45	5.178	5.178	0.000	94	2708754	10.0	10.8	
39 2-Chloro-1,3-butadiene	53	5.226	5.226	0.000	91	1207930	10.0	10.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.720	5.720	0.000	98	2610678	10.0	10.9	
41 2-Butanone (MEK)	43	5.921	5.921	0.000	100	2167426	100.0	107.7	
42 cis-1,2-Dichloroethene	96	5.952	5.952	0.000	82	891285	10.0	10.6	
43 2,2-Dichloropropane	77	5.964	5.964	0.000	86	1167887	10.0	10.7	
45 Propionitrile	54	6.007	6.007	0.000	99	1083455	200.0	220.9	
48 Methacrylonitrile	67	6.226	6.226	0.000	91	2276661	100.0	109.2	
49 Chlorobromomethane	128	6.281	6.281	0.000	92	396255	10.0	10.9	
50 Tetrahydrofuran	71	6.287	6.287	0.000	78	313187	50.0	51.0	
51 Chloroform	83	6.434	6.434	0.000	93	1437396	10.0	10.8	
\$ 52 Dibromofluoromethane (Surr)	113	6.653	6.653	0.000	94	709685	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.665	6.665	0.000	98	1216118	10.0	10.9	
54 Cyclohexane	56	6.763	6.763	0.000	91	1276347	10.0	10.8	
55 Carbon tetrachloride	117	6.872	6.872	0.000	97	1066101	10.0	11.2	
56 1,1-Dichloropropene	75	6.872	6.872	0.000	98	1097945	10.0	11.0	
58 Isobutyl alcohol	41	7.049	7.049	0.000	92	710937	500.0	496.0	M
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.098	7.098	0.000	90	148209	10.0	10.0	
60 Benzene	78	7.135	7.135	0.000	97	3348637	10.0	10.8	
61 1,2-Dichloroethane	62	7.208	7.208	0.000	91	913202	10.0	10.7	M
63 Tert-amyl methyl ether	73	7.342	7.342	0.000	99	2384412	10.0	10.8	
* 64 Fluorobenzene (IS)	96	7.543	7.543	0.000	99	2941231	10.0	10.0	
65 n-Heptane	43	7.561	7.561	0.000	96	1047261	10.0	10.9	
67 n-Butanol	56	7.939	7.939	0.000	89	1141143	875.0	963.9	
68 Trichloroethene	95	8.025	8.025	0.000	99	876977	10.0	10.8	
69 Methylcyclohexane	83	8.329	8.329	0.000	93	1343112	10.0	11.0	
70 1,2-Dichloropropane	63	8.360	8.360	0.000	97	883252	10.0	11.0	
71 2-ethoxy-2-methyl butane	87	8.378	8.378	0.000	93	1363484	10.0	11.0	
72 Methyl methacrylate	69	8.451	8.451	0.000	90	454028	10.0	10.7	
73 1,4-Dioxane	88	8.458	8.458	0.000	31	125924	500.0	530.7	M
74 Dibromomethane	93	8.464	8.464	0.000	95	423215	10.0	11.0	
76 Dichlorobromomethane	83	8.707	8.707	0.000	100	1084372	10.0	11.1	
77 2-Nitropropane	41	8.982	8.982	0.000	99	640885	50.0	53.6	
79 1-Bromo-2-chloroethane	63	9.098	9.098	0.000	99	960989	10.0	10.8	
81 cis-1,3-Dichloropropene	75	9.262	9.262	0.000	96	1385627	10.0	11.3	
82 4-Methyl-2-pentanone (MIBK)	43	9.451	9.451	0.000	97	6102408	100.0	107.8	
\$ 83 Toluene-d8 (Surr)	98	9.579	9.579	0.000	93	3016366	10.0	10.0	
84 Toluene	92	9.658	9.658	0.000	98	2173833	10.0	10.8	
85 trans-1,3-Dichloropropene	75	9.927	9.927	0.000	93	1210765	10.0	11.4	
86 Ethyl methacrylate	69	9.994	9.994	0.000	89	995342	10.0	11.4	
107 1,1,2-Trichloroethane	97	10.128	10.128	0.000	90	650977	10.0	10.7	
108 Tetrachloroethene	166	10.219	10.219	0.000	97	933207	10.0	10.8	
109 1,3-Dichloropropane	76	10.293	10.293	0.000	90	1097515	10.0	10.7	
110 2-Hexanone	43	10.360	10.360	0.000	96	4462586	100.0	111.8	
112 Chlorodibromomethane	129	10.512	10.512	0.000	90	803139	10.0	11.3	
113 Ethylene Dibromide	107	10.622	10.622	0.000	99	626695	10.0	11.1	
* 114 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	85	2325903	10.0	10.0	
115 1-Chlorohexane	91	11.073	11.073	0.000	97	1193753	10.0	10.4	
116 Chlorobenzene	112	11.085	11.085	0.000	95	2504247	10.0	10.8	
117 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	96	882884	10.0	11.2	
118 Ethylbenzene	91	11.176	11.176	0.000	99	4259729	10.0	10.9	
120 m-Xylene & p-Xylene	106	11.292	11.292	0.000	100	3261989	20.0	21.9	
121 o-Xylene	106	11.622	11.622	0.000	97	1617718	10.0	10.9	
122 Styrene	104	11.640	11.640	0.000	95	2817859	10.0	11.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 Bromoform	173	11.792	11.792	0.000	97	512311	10.0	11.4	
124 Isopropylbenzene	105	11.926	11.926	0.000	96	4169458	10.0	11.0	
\$ 127 4-Bromofluorobenzene (Surr)	95	12.067	12.067	0.000	90	1170372	10.0	10.1	
128 1,1,2,2-Tetrachloroethane	83	12.170	12.170	0.000	92	891687	10.0	11.0	
129 Bromobenzene	156	12.182	12.182	0.000	95	1049238	10.0	10.6	
130 trans-1,4-Dichloro-2-butene	53	12.201	12.201	0.000	93	2410925	100.0	116.6	
131 1,2,3-Trichloropropane	110	12.219	12.219	0.000	80	222459	10.0	10.7	
132 N-Propylbenzene	91	12.256	12.256	0.000	99	5118786	10.0	10.9	
133 2-Chlorotoluene	126	12.329	12.329	0.000	96	1035242	10.0	10.8	
134 1,3,5-Trimethylbenzene	105	12.390	12.390	0.000	94	3713583	10.0	10.9	
135 4-Chlorotoluene	126	12.426	12.426	0.000	97	1085124	10.0	10.9	
136 tert-Butylbenzene	134	12.634	12.634	0.000	88	785600	10.0	10.7	M
137 Pentachloroethane	167	12.664	12.664	0.000	93	711924	10.0	11.3	
138 1,2,4-Trimethylbenzene	105	12.676	12.676	0.000	97	3875473	10.0	10.9	
139 sec-Butylbenzene	105	12.798	12.798	0.000	94	4733575	10.0	10.9	
140 1,3-Dichlorobenzene	146	12.896	12.896	0.000	98	2157544	10.0	10.8	
141 4-Isopropyltoluene	119	12.908	12.908	0.000	97	4209448	10.0	11.0	
* 142 1,4-Dichlorobenzene-d4	152	12.951	12.951	0.000	94	1322900	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.969	12.969	0.000	94	2114470	10.0	10.6	
144 1,2,3-Trimethylbenzene	120	12.981	12.981	0.000	99	1770291	10.0	10.9	
145 Benzyl chloride	126	13.048	13.048	0.000	98	368582	10.0	11.7	
146 p-Diethylbenzene	119	13.109	13.109	0.000	91	2546465	10.0	10.9	
147 n-Butylbenzene	92	13.200	13.200	0.000	97	2171392	10.0	10.9	
148 1,2-Dichlorobenzene	146	13.231	13.231	0.000	98	2037834	10.0	10.7	
150 1,2-Dibromo-3-Chloropropane	155	13.774	13.774	0.000	88	130051	10.0	12.0	
151 1,3,5-Trichlorobenzene	180	13.895	13.895	0.000	98	1776131	10.0	10.9	
152 1,2,4-Trichlorobenzene	180	14.322	14.322	0.000	94	1567537	10.0	11.0	
153 Hexachlorobutadiene	225	14.401	14.401	0.000	98	735260	10.0	10.9	
154 Naphthalene	128	14.499	14.499	0.000	97	2828315	10.0	11.4	
155 1,2,3-Trichlorobenzene	180	14.645	14.645	0.000	96	1358116	10.0	10.9	
156 2-Methylnaphthalene	142	15.255	15.255	0.000	92	1587843	10.0	11.4	
167 Pentane	43	2.916	2.916	0.000	97	1054472	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00080

Amount Added: 10.00

Units: uL

MSV_LL_GAS826_00155

Amount Added: 10.00

Units: uL

MSV_LL_#2_826_00091

Amount Added: 10.00

Units: uL

MSV_29_826ISS_00046

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X17.D

Injection Date: 13-Jun-2023 02:33:30

Instrument ID: 16334

Operator ID: gaw91131

Lims ID: ICIS std6

Worklist Smp#: 18

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

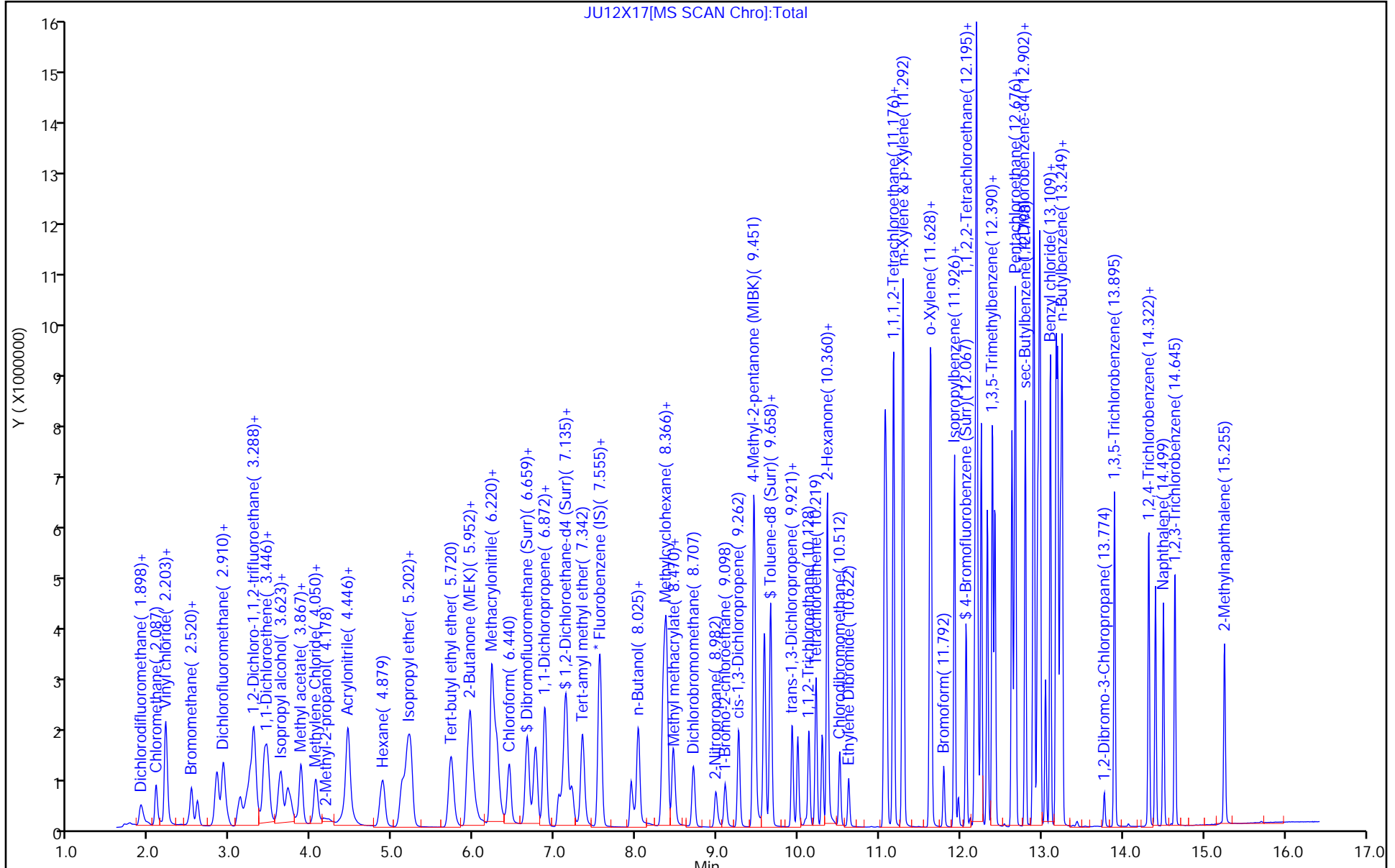
ALS Bottle#: 17

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

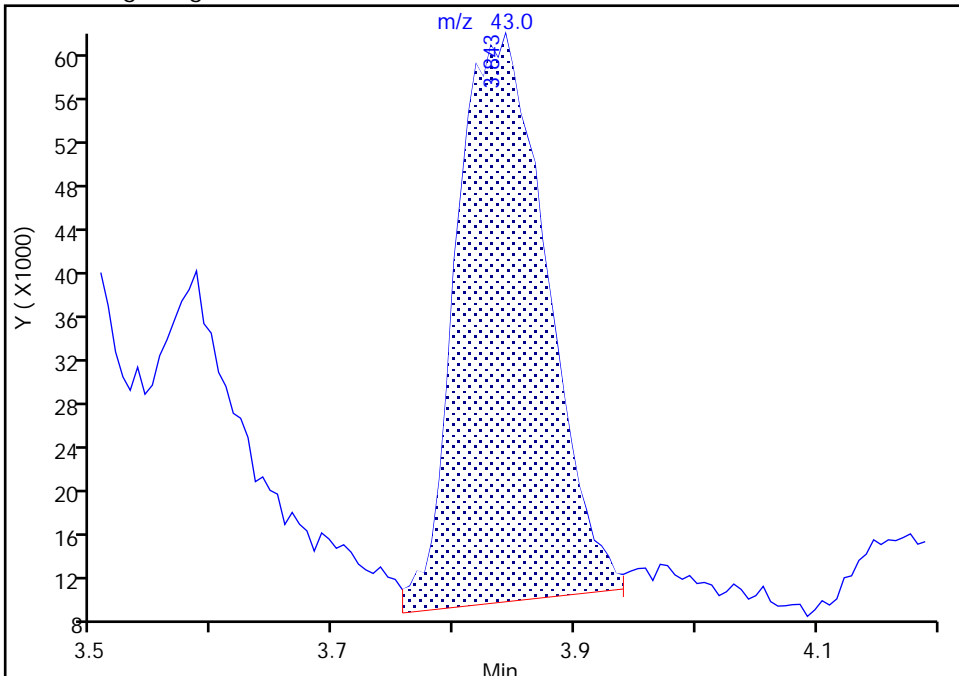
Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X17.D
Injection Date: 13-Jun-2023 02:33:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: gaw91131 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Methyl acetate, CAS: 79-20-9

Signal: 1

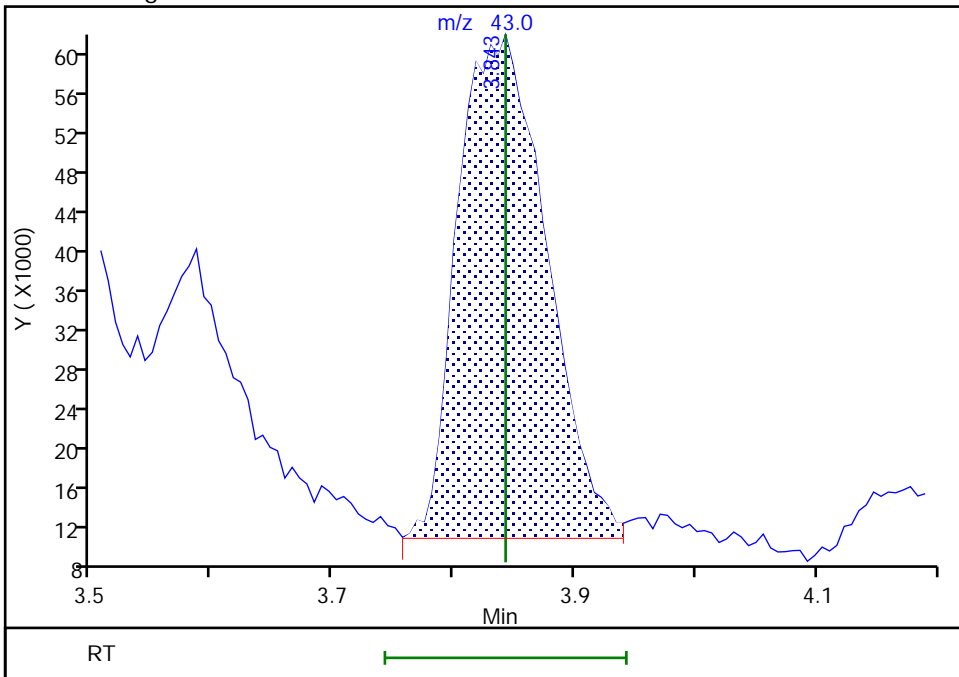
RT: 3.84
Area: 269303
Amount: 10.252269
Amount Units: ug/l

Processing Integration Results



RT: 3.84
Area: 258014
Amount: 9.957657
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 08:12:39 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

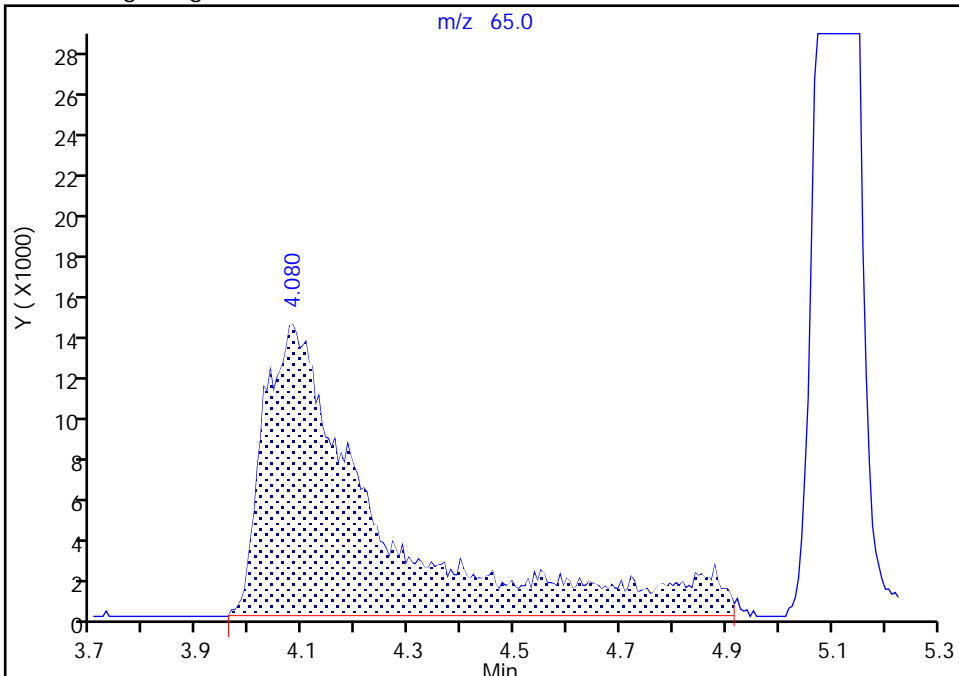
Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X17.D
Injection Date: 13-Jun-2023 02:33:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: gaw91131 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

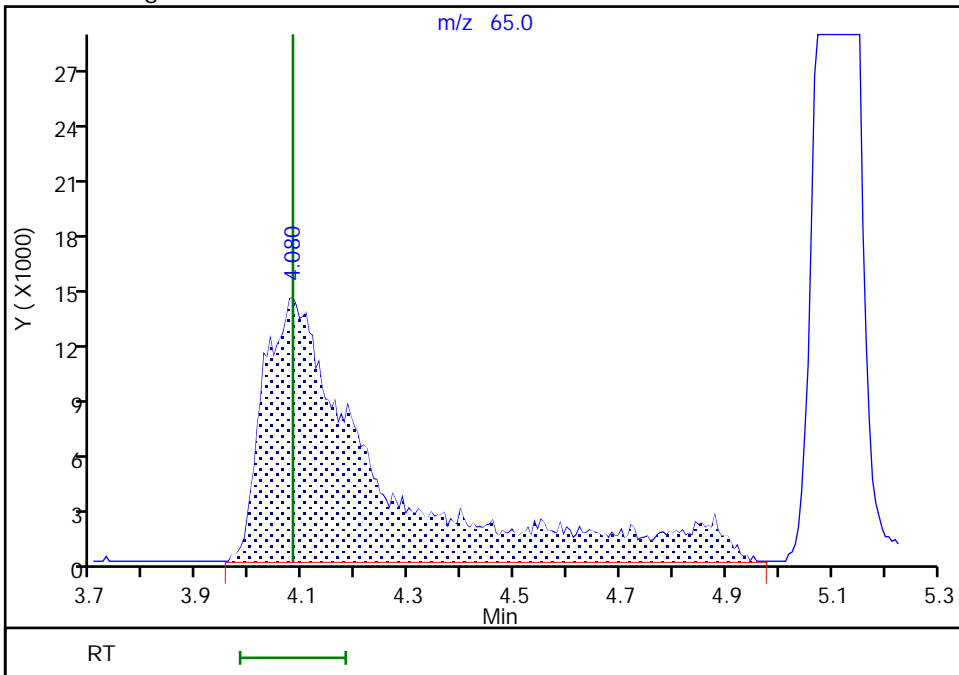
RT: 4.08
Area: 219640
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 4.08
Area: 220415
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 08:13:03 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

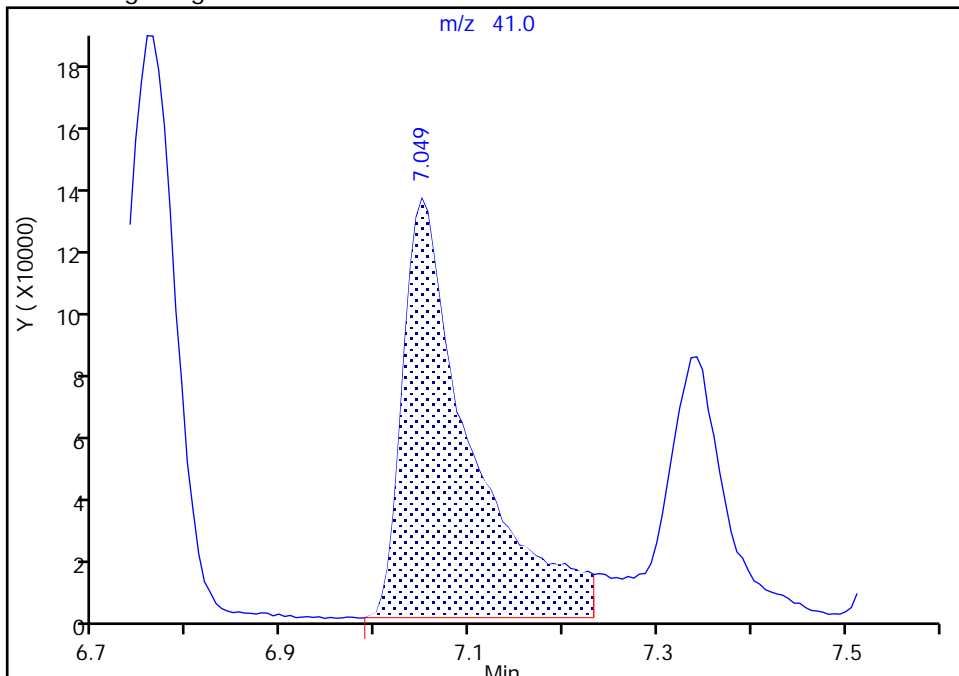
Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X17.D
Injection Date: 13-Jun-2023 02:33:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: gaw91131 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

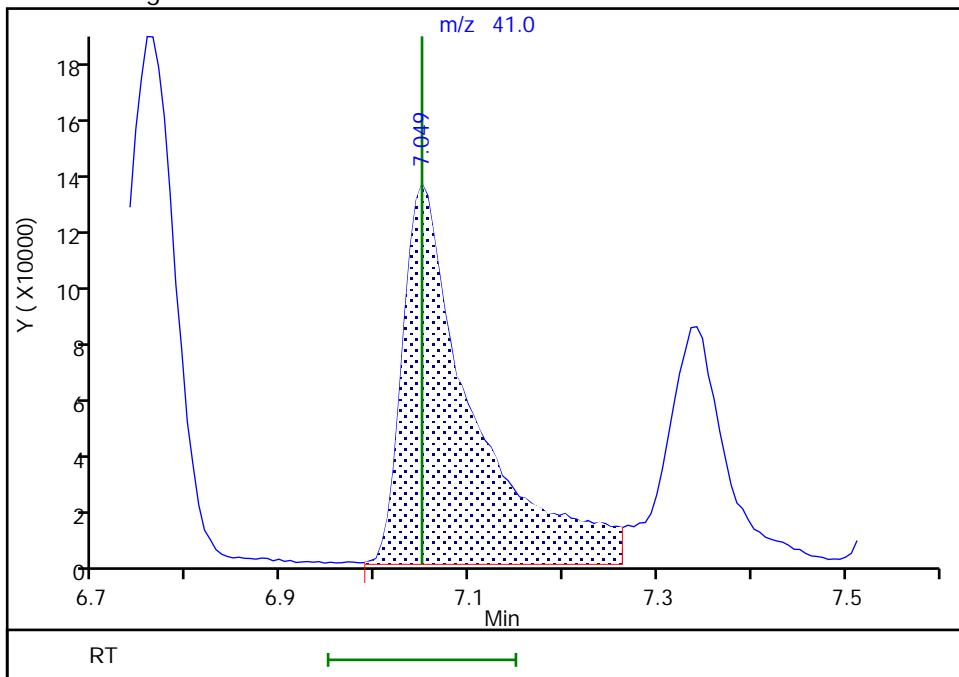
RT: 7.05
Area: 682599
Amount: 478.9090
Amount Units: ug/l

Processing Integration Results



RT: 7.05
Area: 710937
Amount: 495.9734
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 14-Jun-2023 15:19:48 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

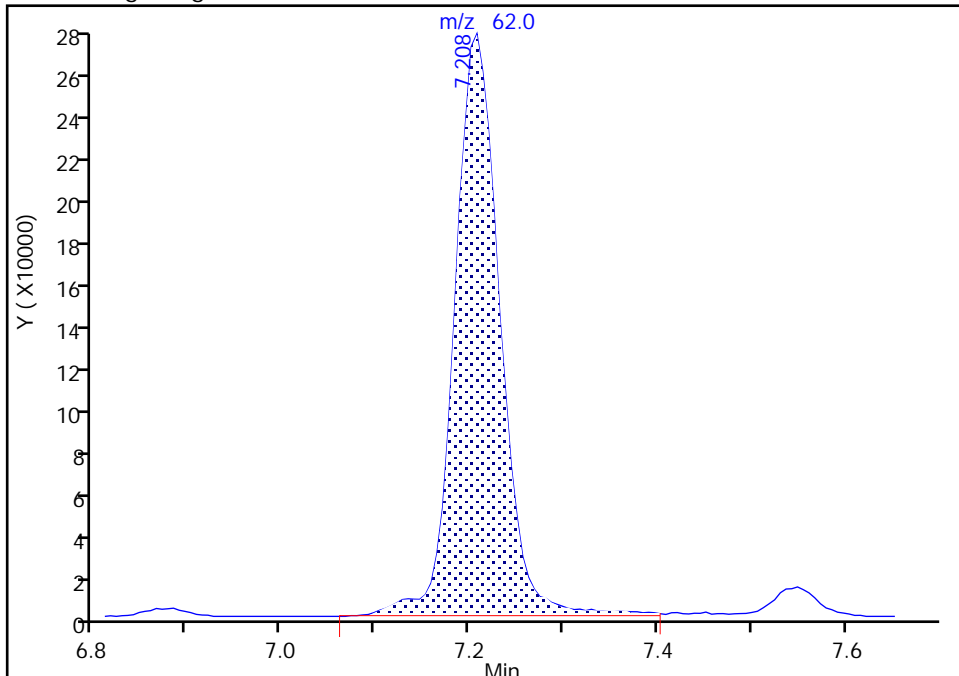
Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X17.D
Injection Date: 13-Jun-2023 02:33:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: gaw91131 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

61 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

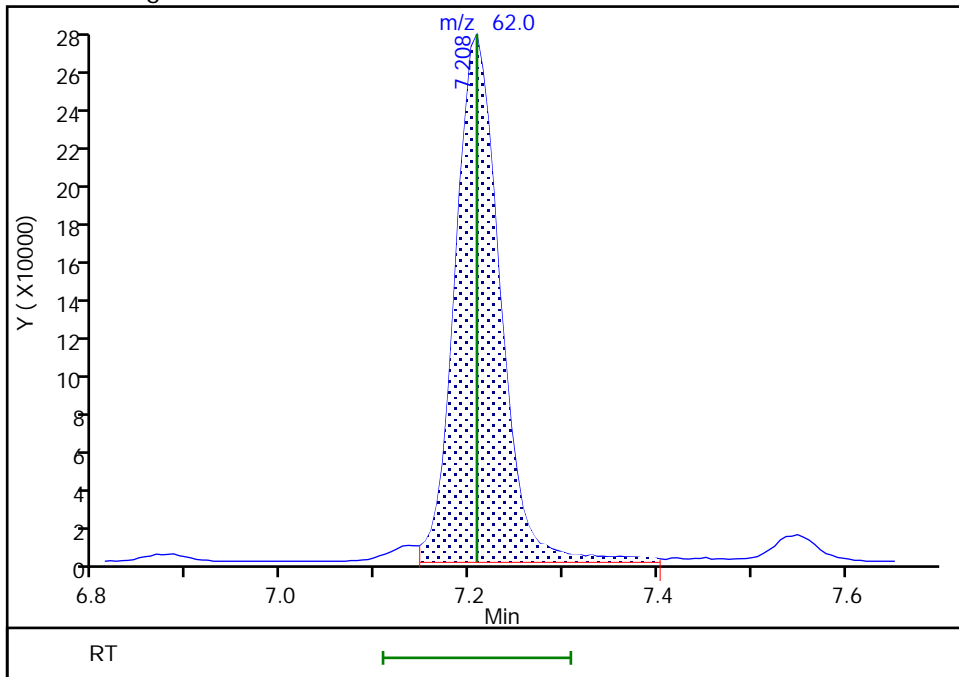
RT: 7.21
Area: 930111
Amount: 10.833003
Amount Units: ug/l

Processing Integration Results



RT: 7.21
Area: 913202
Amount: 10.666072
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 14-Jun-2023 14:38:30 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

Euofins Lancaster Laboratories Environment Testing, LLC

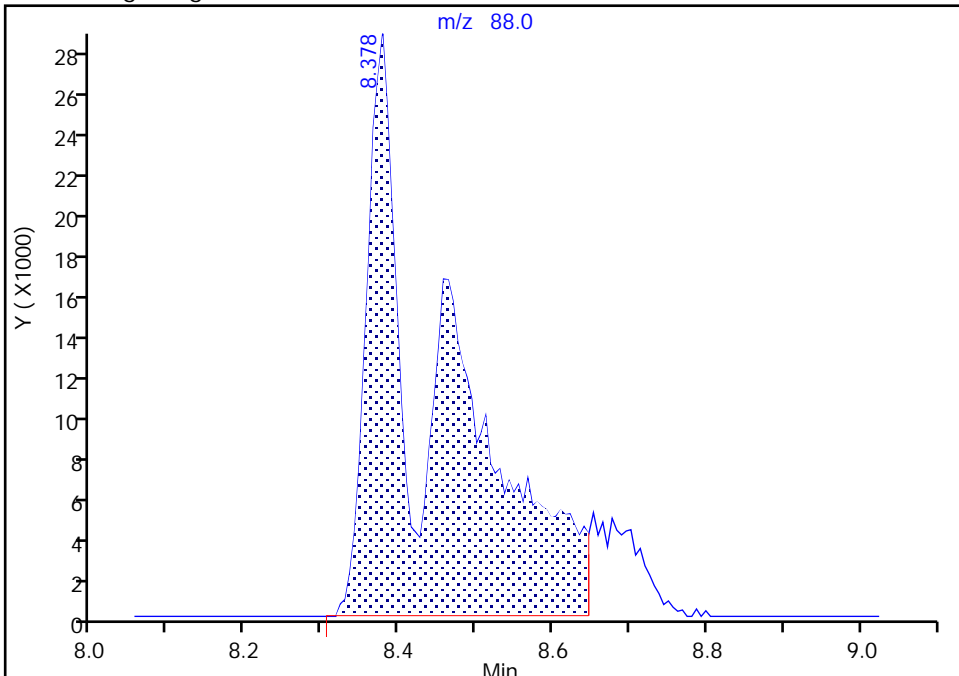
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Injection Date: 13-Jun-2023 02:33:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: gaw91131 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

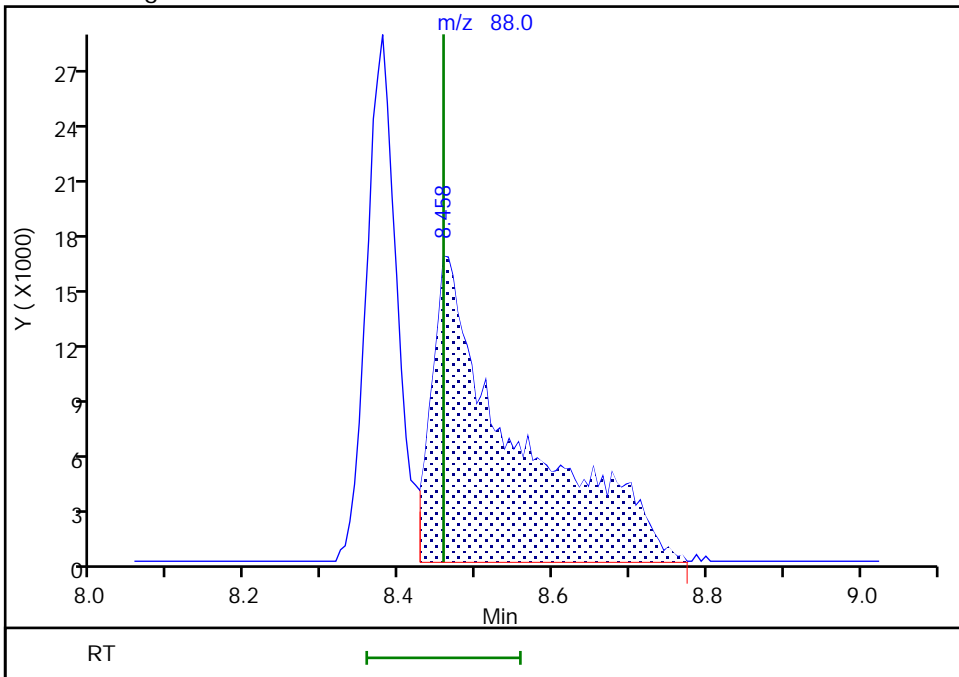
RT: 8.38
Area: 183179
Amount: 443.8326
Amount Units: ug/l

Processing Integration Results



RT: 8.46
Area: 125924
Amount: 530.6979
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 08:13:34 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

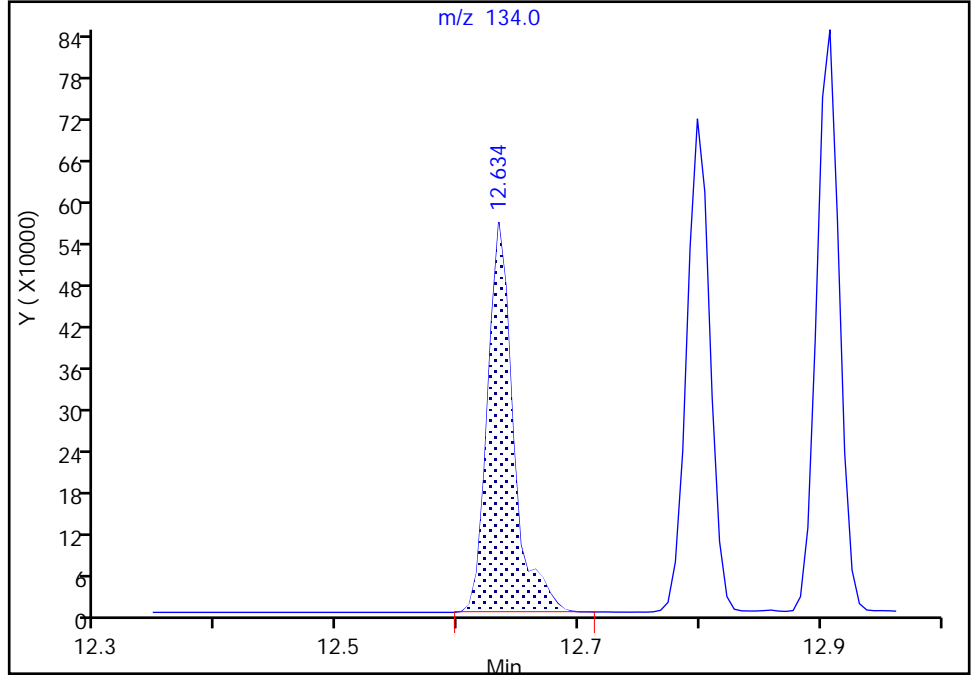
Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X17.D
Injection Date: 13-Jun-2023 02:33:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: gaw91131 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

136 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

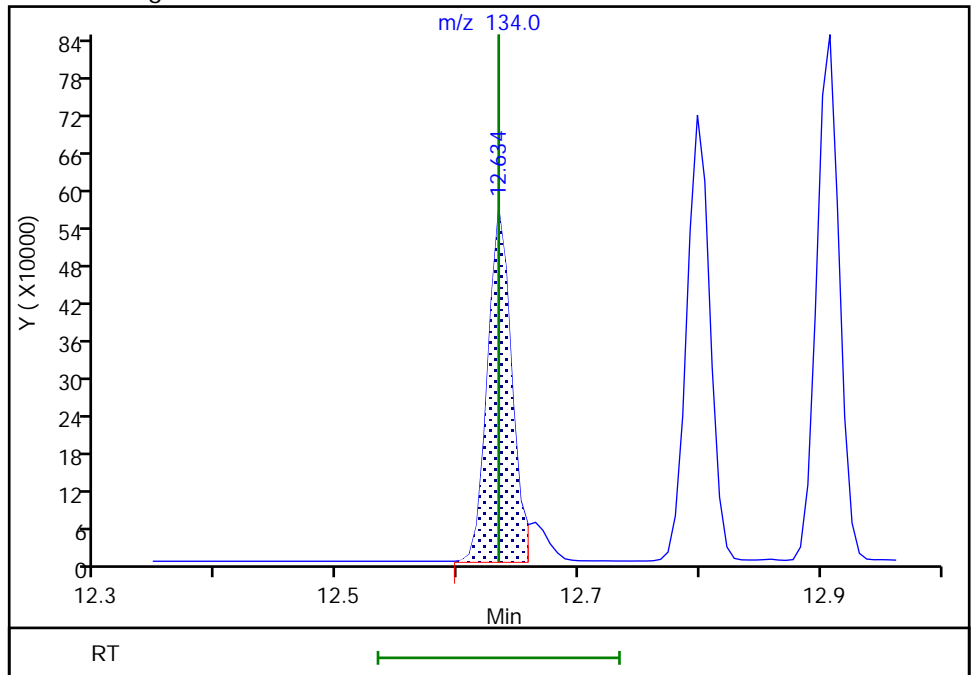
RT: 12.63
Area: 844847
Amount: 11.404785
Amount Units: ug/l

Processing Integration Results



RT: 12.63
Area: 785600
Amount: 10.727565
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 14-Jun-2023 07:58:18 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D
 Lims ID: IC std7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 13-Jun-2023 02:55:30 ALS Bottle#: 18 Worklist Smp#: 19
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086386-019
 Misc. Info.: IC STD7
 Operator ID: gaw91131 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub4

Method: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 14-Jun-2023 15:48:42 Calib Date: 13-Jun-2023 02:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1669

First Level Reviewer: UKEK

Date: 14-Jun-2023 14:32:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.904	1.898	0.006	99	2400349	25.0	25.0	
5 Chloromethane	50	2.087	2.087	0.000	99	2716491	25.0	23.8	
6 Vinyl chloride	62	2.203	2.197	0.006	98	2681983	25.0	25.2	
7 Butadiene	39	2.209	2.203	0.006	90	2285542	25.0	23.8	M
9 Bromomethane	94	2.526	2.520	0.006	90	1844144	25.0	25.2	
10 Chloroethane	64	2.599	2.593	0.006	100	1570808	25.0	25.1	
11 Dichlorofluoromethane	67	2.837	2.837	0.000	97	3641920	25.0	24.5	
12 Trichlorofluoromethane	101	2.904	2.904	0.000	97	3244557	25.0	28.9	
13 Ethyl ether	59	3.117	3.111	0.006	92	1598733	25.0	25.8	
16 1,2-Dichloro-1,1,2-trifluoroethane	67	3.221	3.209	0.012	92	2210945	25.0	24.7	
17 Acrolein	56	3.288	3.288	0.000	100	9842205	1250.0	1187.6	
18 1,1-Dichloroethene	96	3.428	3.422	0.006	98	1705265	25.0	25.9	
19 Acetone	43	3.452	3.452	0.000	100	2434938	250.0	244.7	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.458	3.458	0.000	93	1713174	25.0	27.0	
21 Isopropyl alcohol	45	3.586	3.587	0.000	94	909413	500.0	482.9	
22 Iodomethane	142	3.611	3.605	0.006	98	3321344	25.0	26.7	
23 Ethyl bromide	108	3.635	3.629	0.006	98	1522447	25.0	25.8	
24 Carbon disulfide	76	3.721	3.708	0.013	99	6143962	25.0	27.1	
25 Methyl acetate	43	3.843	3.843	-0.001	97	634942	25.0	23.4	M
27 3-Chloro-1-propene	41	3.873	3.867	0.006	92	3065533	25.0	26.8	
29 Methylene Chloride	84	4.056	4.050	0.006	91	1981737	25.0	26.2	
* 30 t-Butyl alcohol-d10 (IS)	65	4.092	4.080	0.012	99	231222	50.0	50.0	M
31 2-Methyl-2-propanol	59	4.214	4.214	0.000	100	1814430	500.0	444.6	
32 Acrylonitrile	53	4.379	4.379	0.000	99	979336	62.5	66.3	
34 trans-1,2-Dichloroethene	96	4.452	4.446	0.006	100	2017863	25.0	26.2	
33 Methyl tert-butyl ether	73	4.452	4.452	0.000	91	5427487	25.0	26.3	
35 Hexane	57	4.879	4.879	0.000	92	2539804	25.0	27.1	
37 1,1-Dichloroethane	63	5.111	5.111	0.000	96	3499135	25.0	26.0	
38 Isopropyl ether	45	5.184	5.178	0.006	94	6767269	25.0	26.5	
39 2-Chloro-1,3-butadiene	53	5.226	5.226	0.000	91	3054680	25.0	27.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.720	5.720	0.000	98	6508127	25.0	26.7	
41 2-Butanone (MEK)	43	5.921	5.921	0.000	100	5302129	250.0	251.2	
42 cis-1,2-Dichloroethene	96	5.958	5.952	0.006	82	2209059	25.0	25.8	
43 2,2-Dichloropropane	77	5.976	5.964	0.012	87	2915110	25.0	26.2	
45 Propionitrile	54	6.007	6.007	0.000	99	2876028	500.0	558.9	
S 47 1,2-Dichloroethene, Total	100				0			51.9	
48 Methacrylonitrile	67	6.226	6.226	0.000	92	5655628	250.0	258.5	
49 Chlorobromomethane	128	6.287	6.281	0.006	91	979150	25.0	26.3	
50 Tetrahydrofuran	71	6.299	6.287	0.012	78	793569	125.0	123.3	
51 Chloroform	83	6.440	6.434	0.006	93	3600118	25.0	26.6	
\$ 52 Dibromofluoromethane (Surr)	113	6.653	6.653	0.000	94	713199	10.0	9.95	
53 1,1,1-Trichloroethane	97	6.665	6.665	0.000	98	3042730	25.0	26.7	
54 Cyclohexane	56	6.763	6.763	0.000	91	3242386	25.0	26.9	
55 Carbon tetrachloride	117	6.878	6.872	0.006	96	2695133	25.0	27.8	
56 1,1-Dichloropropene	75	6.878	6.872	0.006	97	2741200	25.0	26.9	
58 Isobutyl alcohol	41	7.049	7.049	0.000	95	1767771	1250.0	1211.0	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.110	7.098	0.012	75	148330	10.0	9.86	
60 Benzene	78	7.141	7.135	0.006	96	8379923	25.0	26.6	
61 1,2-Dichloroethane	62	7.208	7.208	0.000	97	2225566	25.0	25.5	M
63 Tert-amyl methyl ether	73	7.342	7.342	0.000	99	5942442	25.0	26.6	
* 64 Fluorobenzene (IS)	96	7.549	7.543	0.006	99	2995262	10.0	10.0	
65 n-Heptane	43	7.561	7.561	0.000	92	2613764	25.0	26.7	
67 n-Butanol	56	7.939	7.939	0.000	88	2951859	2187.5	2376.9	
68 Trichloroethene	95	8.031	8.025	0.006	99	2202203	25.0	26.6	
69 Methylcyclohexane	83	8.336	8.329	0.007	93	3397154	25.0	27.4	
70 1,2-Dichloropropane	63	8.360	8.360	0.000	97	2213330	25.0	27.1	
71 2-ethoxy-2-methyl butane	87	8.378	8.378	0.000	92	3380734	25.0	26.8	
72 Methyl methacrylate	69	8.451	8.451	0.000	90	1179649	25.0	26.6	
73 1,4-Dioxane	88	8.457	8.458	-0.001	30	343585	1250.0	1380.3	M
74 Dibromomethane	93	8.470	8.464	0.006	96	1059304	25.0	27.1	
76 Dichlorobromomethane	83	8.707	8.707	0.000	100	2742291	25.0	27.5	
77 2-Nitropropane	41	8.988	8.982	0.006	97	1611529	125.0	128.5	
79 1-Bromo-2-chloroethane	63	9.104	9.098	0.006	99	2349125	25.0	25.9	
81 cis-1,3-Dichloropropene	75	9.268	9.262	0.006	96	3484597	25.0	27.8	
82 4-Methyl-2-pentanone (MIBK)	43	9.451	9.451	0.000	96	15338478	250.0	258.3	
\$ 83 Toluene-d8 (Surr)	98	9.585	9.579	0.006	93	3072256	10.0	9.95	
84 Toluene	92	9.658	9.658	0.000	98	5479521	25.0	26.5	
85 trans-1,3-Dichloropropene	75	9.927	9.927	0.000	92	3092219	25.0	28.3	
86 Ethyl methacrylate	69	9.994	9.994	0.000	89	2538111	25.0	28.3	
S 106 1,3-Dichloropropene, Total	100				0			56.1	
107 1,1,2-Trichloroethane	97	10.134	10.128	0.006	90	1610616	25.0	25.9	
108 Tetrachloroethene	166	10.219	10.219	0.000	97	2328855	25.0	26.4	
109 1,3-Dichloropropane	76	10.299	10.293	0.006	90	2791449	25.0	26.6	
110 2-Hexanone	43	10.360	10.360	0.000	96	11202895	250.0	267.7	
112 Chlorodibromomethane	129	10.512	10.512	0.000	90	2065081	25.0	28.4	
113 Ethylene Dibromide	107	10.622	10.622	0.000	98	1581341	25.0	27.3	
* 114 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	85	2386422	10.0	10.0	
115 1-Chlorohexane	91	11.073	11.073	0.000	97	3032668	25.0	25.6	
116 Chlorobenzene	112	11.085	11.085	0.000	95	6295134	25.0	26.5	
117 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	97	2241142	25.0	27.7	
118 Ethylbenzene	91	11.176	11.176	0.000	98	10721096	25.0	26.7	
S 119 Xylenes, Total	106				0			81.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 m-Xylene & p-Xylene	106	11.292	11.292	0.000	99	8293502	50.0	54.2	e
121 o-Xylene	106	11.621	11.622	-0.001	97	4095312	25.0	26.9	
122 Styrene	104	11.640	11.640	0.000	95	7204995	25.0	28.0	
123 Bromoform	173	11.792	11.792	0.000	97	1332994	25.0	28.9	
124 Isopropylbenzene	105	11.926	11.926	0.000	96	10450987	25.0	26.8	
\$ 127 4-Bromofluorobenzene (Surr)	95	12.067	12.067	-0.001	90	1208817	10.0	10.1	
128 1,1,2,2-Tetrachloroethane	83	12.176	12.170	0.006	92	2246545	25.0	26.4	
129 Bromobenzene	156	12.182	12.182	0.000	95	2676998	25.0	25.9	
130 trans-1,4-Dichloro-2-butene	53	12.201	12.201	0.000	91	6258373	250.0	288.5	
131 1,2,3-Trichloropropane	110	12.219	12.219	0.000	79	565472	25.0	25.8	
132 N-Propylbenzene	91	12.255	12.256	-0.001	98	12532727	25.0	25.4	e
133 2-Chlorotoluene	126	12.335	12.329	0.006	97	2640274	25.0	26.3	
134 1,3,5-Trimethylbenzene	105	12.396	12.390	0.006	94	9425834	25.0	26.5	
135 4-Chlorotoluene	126	12.426	12.426	0.000	97	2779432	25.0	26.5	
136 tert-Butylbenzene	134	12.633	12.634	-0.001	93	2004076	25.0	26.1	
137 Pentachloroethane	167	12.664	12.664	0.000	94	1828033	25.0	27.6	
138 1,2,4-Trimethylbenzene	105	12.676	12.676	0.000	97	9934115	25.0	26.8	
139 sec-Butylbenzene	105	12.798	12.798	0.000	95	11770997	25.0	25.9	e
140 1,3-Dichlorobenzene	146	12.896	12.896	0.000	98	5547286	25.0	26.6	
141 4-Isopropyltoluene	119	12.908	12.908	0.000	97	10713283	25.0	26.7	
* 142 1,4-Dichlorobenzene-d4	152	12.950	12.951	-0.001	95	1386958	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.969	12.969	0.000	94	5407342	25.0	25.8	
144 1,2,3-Trimethylbenzene	120	12.981	12.981	0.000	99	4512804	25.0	26.5	
145 Benzyl chloride	126	13.048	13.048	0.000	98	950218	25.0	28.8	
146 p-Diethylbenzene	119	13.109	13.109	0.000	91	6580571	25.0	26.9	
147 n-Butylbenzene	92	13.200	13.200	0.000	97	5574460	25.0	26.6	
148 1,2-Dichlorobenzene	146	13.231	13.231	0.000	98	5239251	25.0	26.3	
150 1,2-Dibromo-3-Chloropropane	155	13.773	13.774	-0.001	89	337130	25.0	29.6	
151 1,3,5-Trichlorobenzene	180	13.895	13.895	0.000	98	4525729	25.0	26.5	
152 1,2,4-Trichlorobenzene	180	14.322	14.322	0.000	94	4015310	25.0	26.8	
153 Hexachlorobutadiene	225	14.401	14.401	0.000	98	1859702	25.0	26.3	
154 Naphthalene	128	14.499	14.499	0.000	97	7126330	25.0	27.4	
155 1,2,3-Trichlorobenzene	180	14.645	14.645	0.000	96	3464924	25.0	26.5	
156 2-Methylnaphthalene	142	15.255	15.255	0.000	92	4174542	25.0	28.7	
167 Pentane	43	2.916	2.916	0.000	96	2709429	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

e - Potential Peak Saturated

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00080

Amount Added: 25.00

Units: uL

MSV_LL_GAS826_00155

Amount Added: 25.00

Units: uL

MSV_LL_#2_826_00091

Amount Added: 25.00

Units: uL

MSV_29_826ISS_00046

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D

Injection Date: 13-Jun-2023 02:55:30

Instrument ID: 16334

Operator ID: gaw91131

Lims ID: IC std7

Worklist Smp#: 19

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

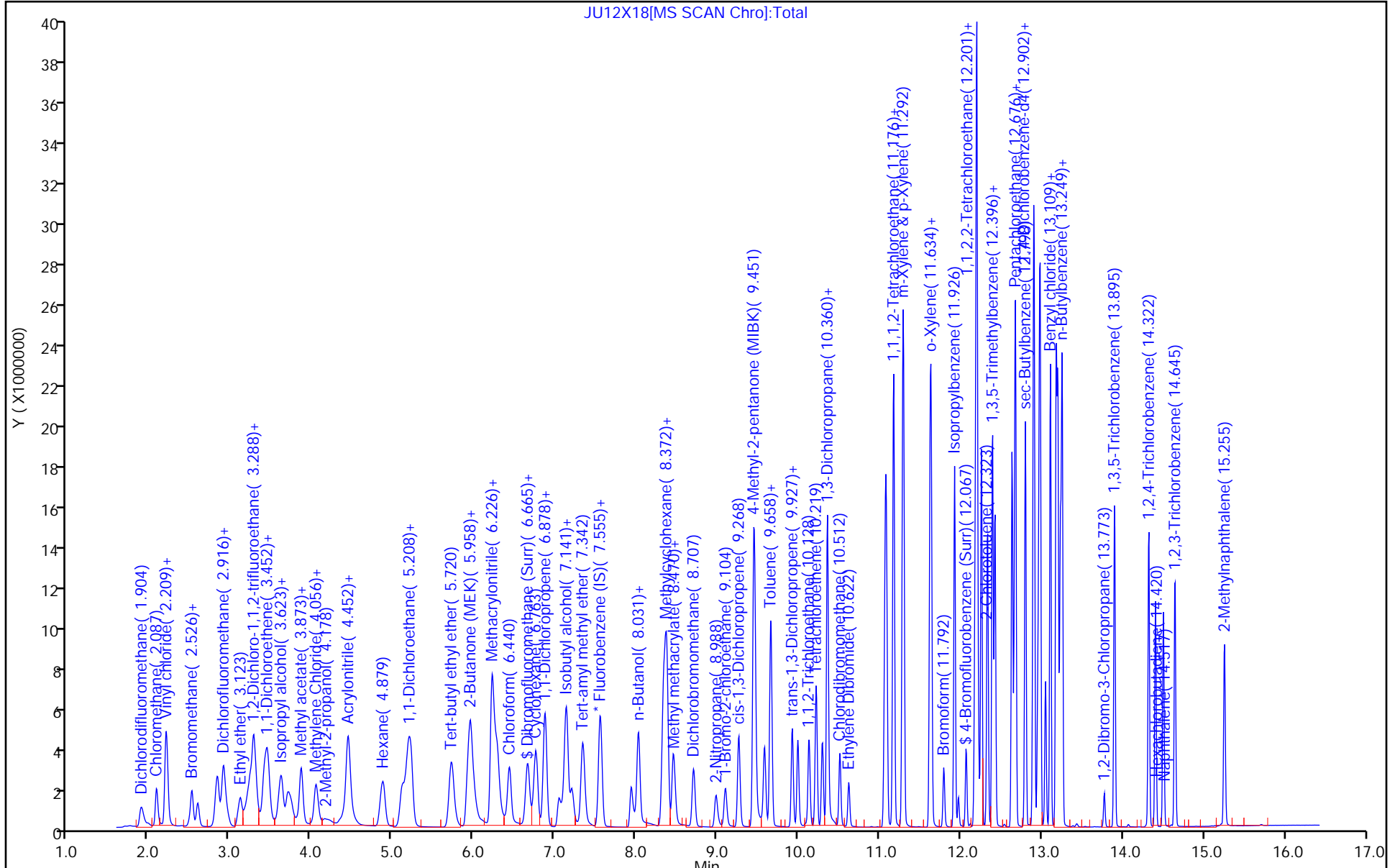
ALS Bottle#: 18

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

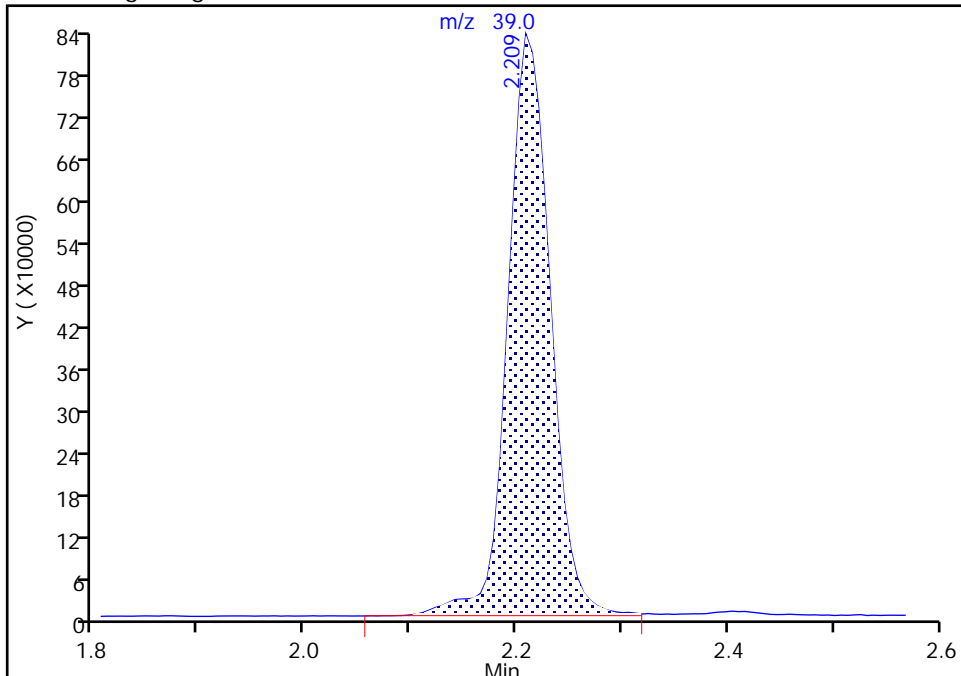
Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D
Injection Date: 13-Jun-2023 02:55:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: gaw91131 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

7 Butadiene, CAS: 106-99-0

Signal: 1

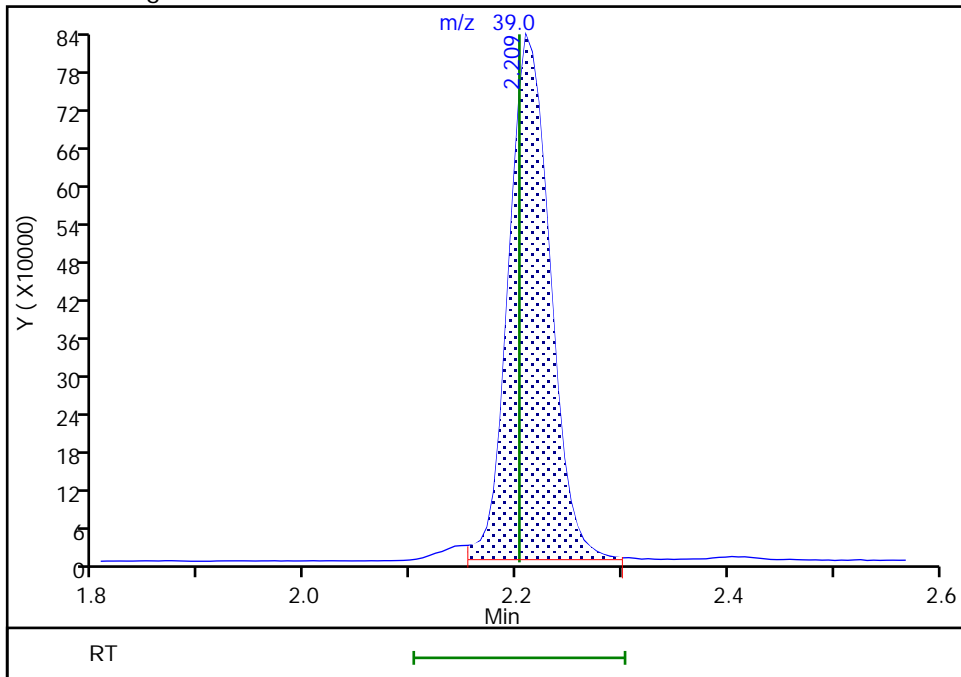
RT: 2.21
Area: 2331370
Amount: 24.239914
Amount Units: ug/l

Processing Integration Results



RT: 2.21
Area: 2285542
Amount: 23.828307
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 14-Jun-2023 08:02:10 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

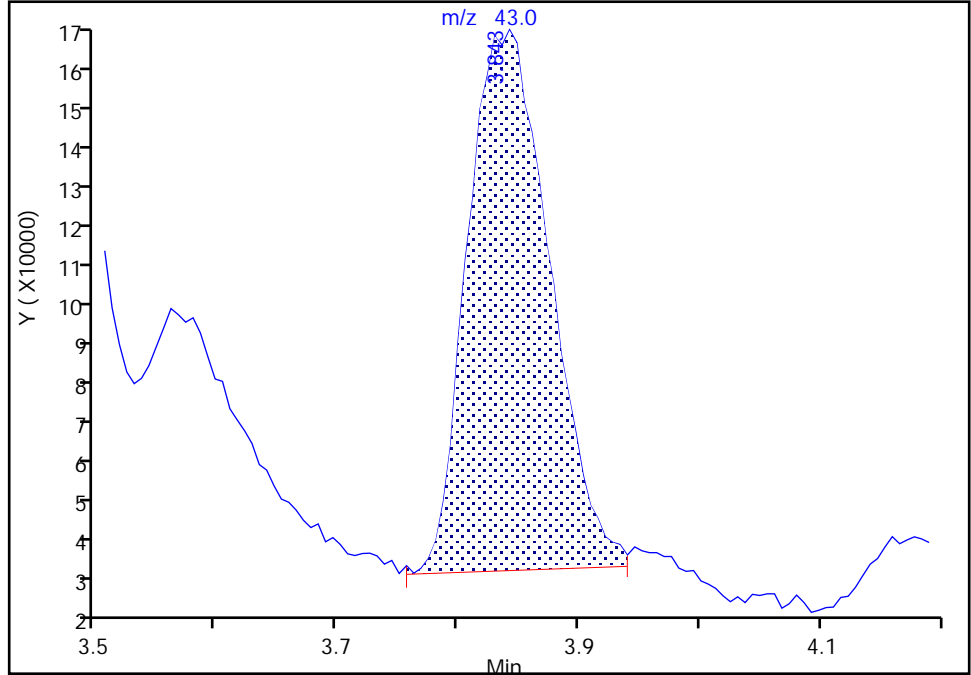
Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D
Injection Date: 13-Jun-2023 02:55:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: gaw91131 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Methyl acetate, CAS: 79-20-9

Signal: 1

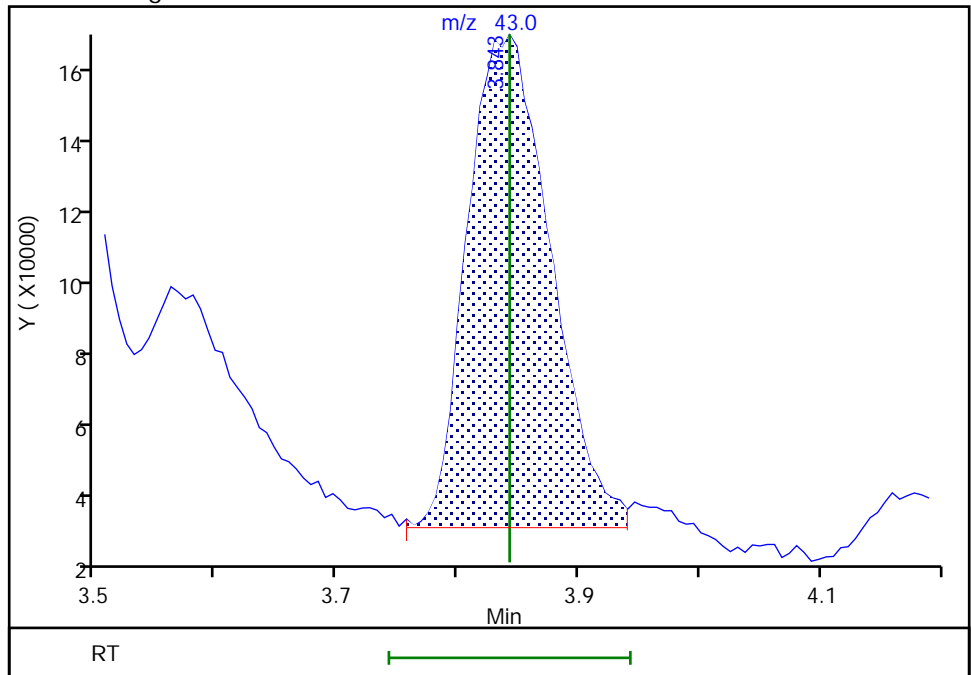
RT: 3.84
Area: 624114
Amount: 24.939593
Amount Units: ug/l

Processing Integration Results



RT: 3.84
Area: 634942
Amount: 23.359306
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 11:58:17 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

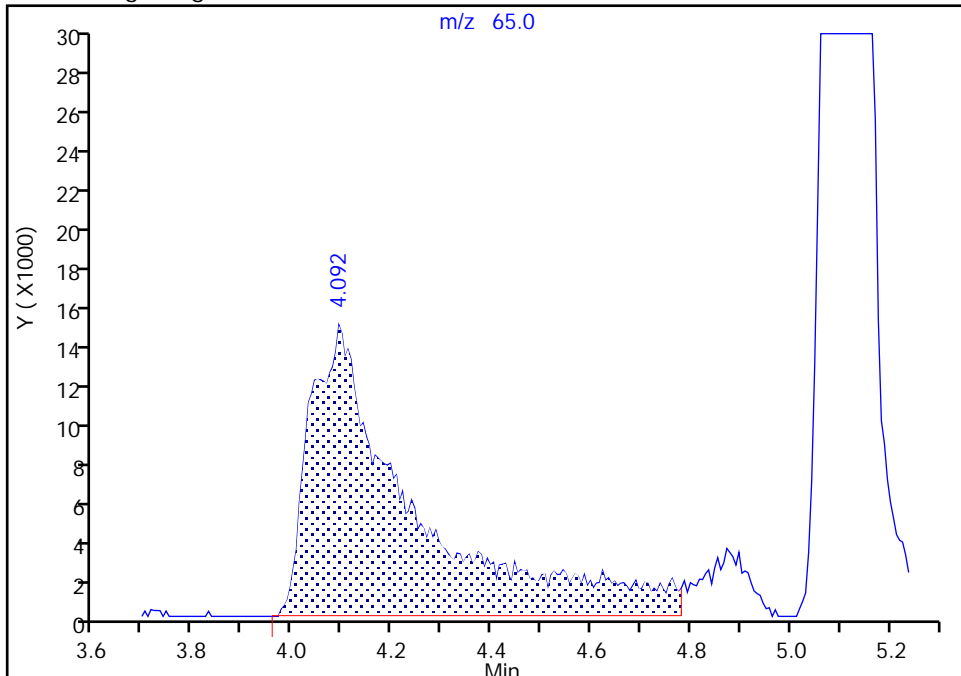
Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D
Injection Date: 13-Jun-2023 02:55:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: gaw91131 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

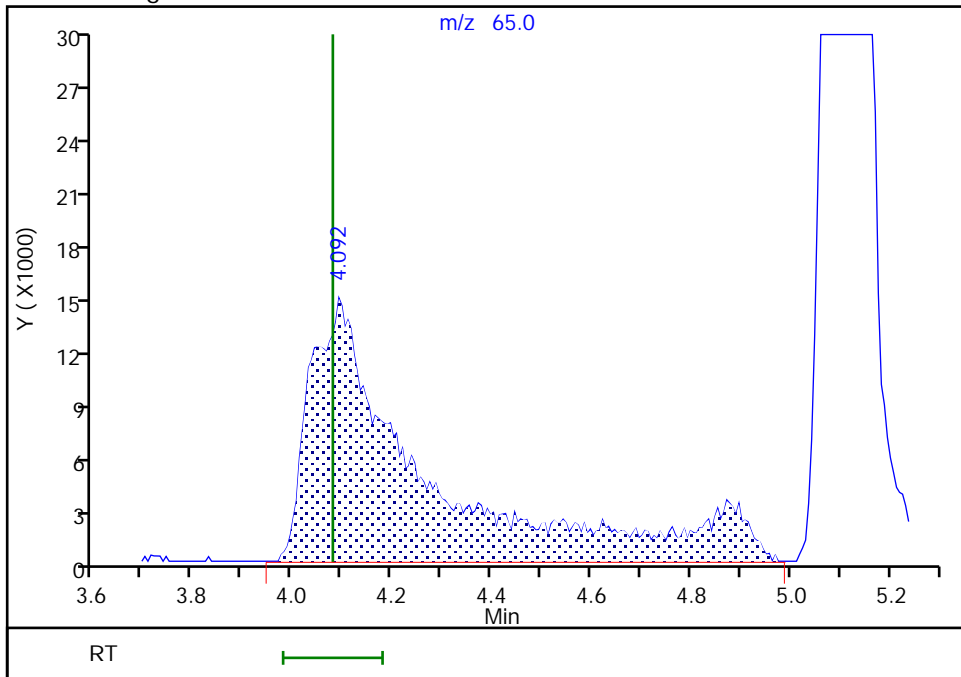
RT: 4.09
Area: 210462
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 4.09
Area: 231222
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 11:58:26 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

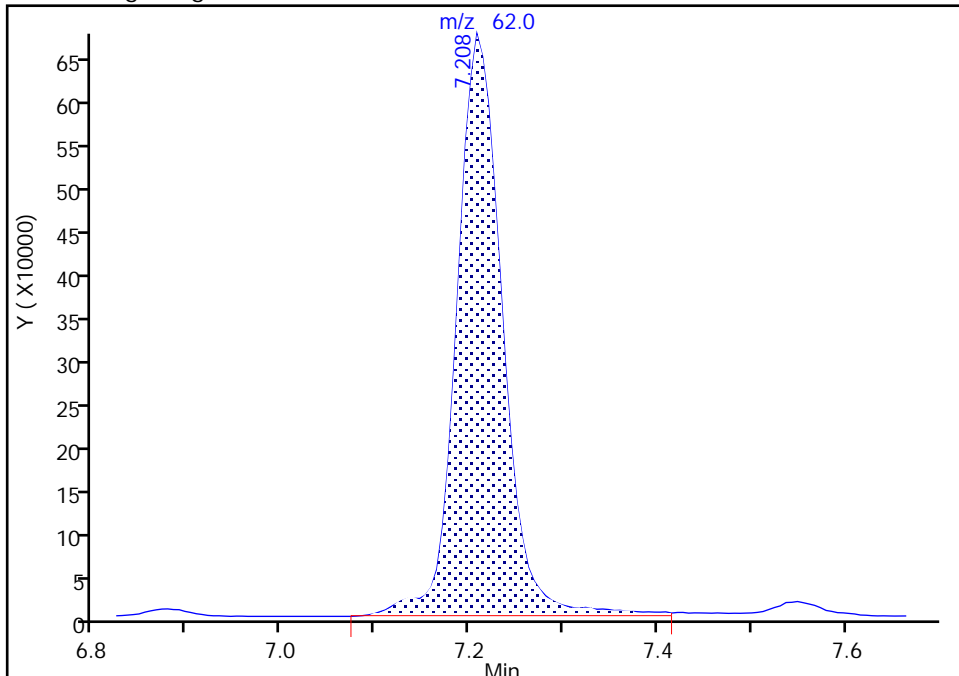
Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D
Injection Date: 13-Jun-2023 02:55:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: gaw91131 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

61 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

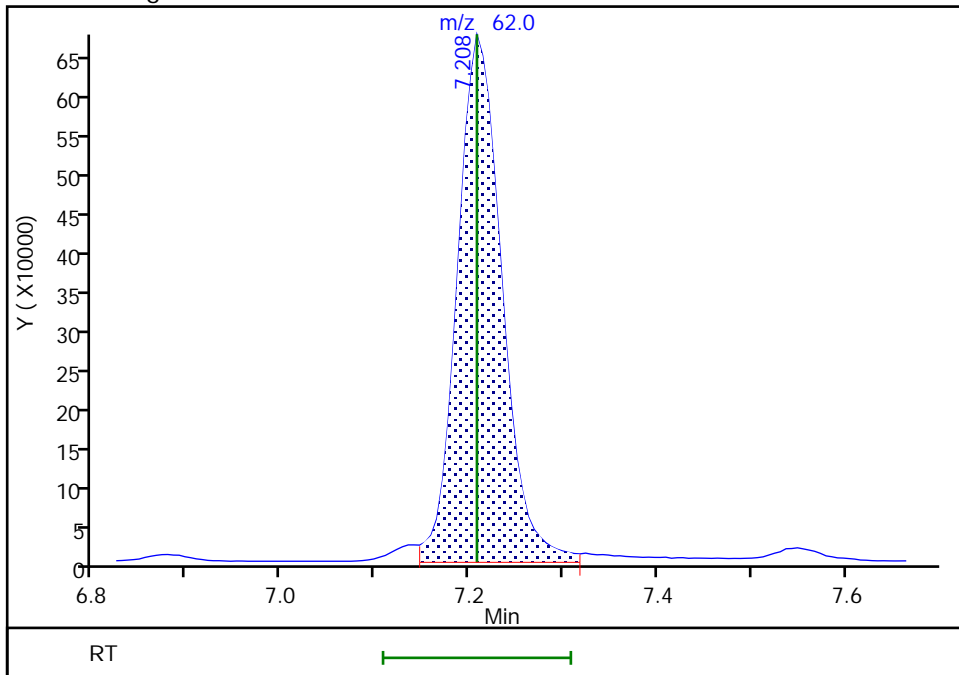
RT: 7.21
Area: 2302591
Amount: 26.202608
Amount Units: ug/l

Processing Integration Results



RT: 7.21
Area: 2225566
Amount: 25.525394
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 14-Jun-2023 08:09:10 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

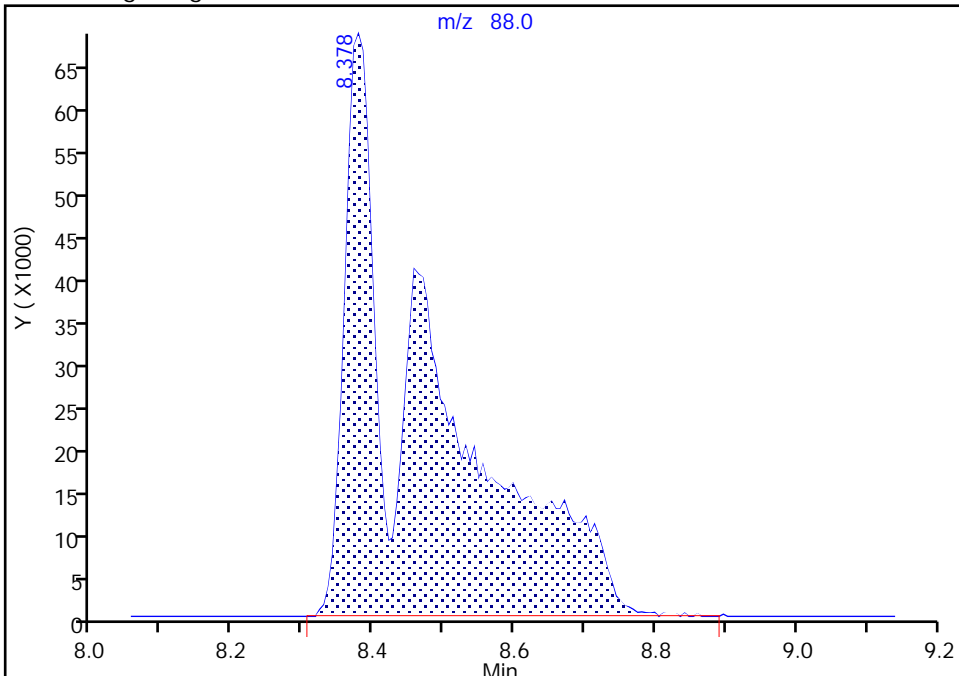
Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D
Injection Date: 13-Jun-2023 02:55:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: gaw91131 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

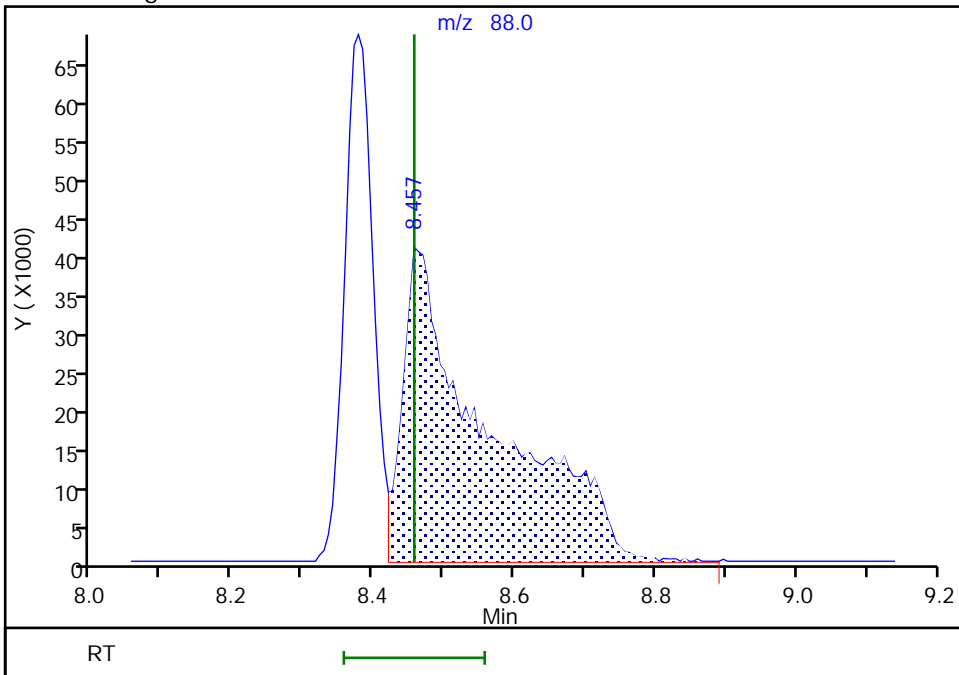
RT: 8.38
Area: 532673
Amount: 2131.3962
Amount Units: ug/l

Processing Integration Results



RT: 8.46
Area: 343585
Amount: 1380.3366
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 11:58:44 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Calibration

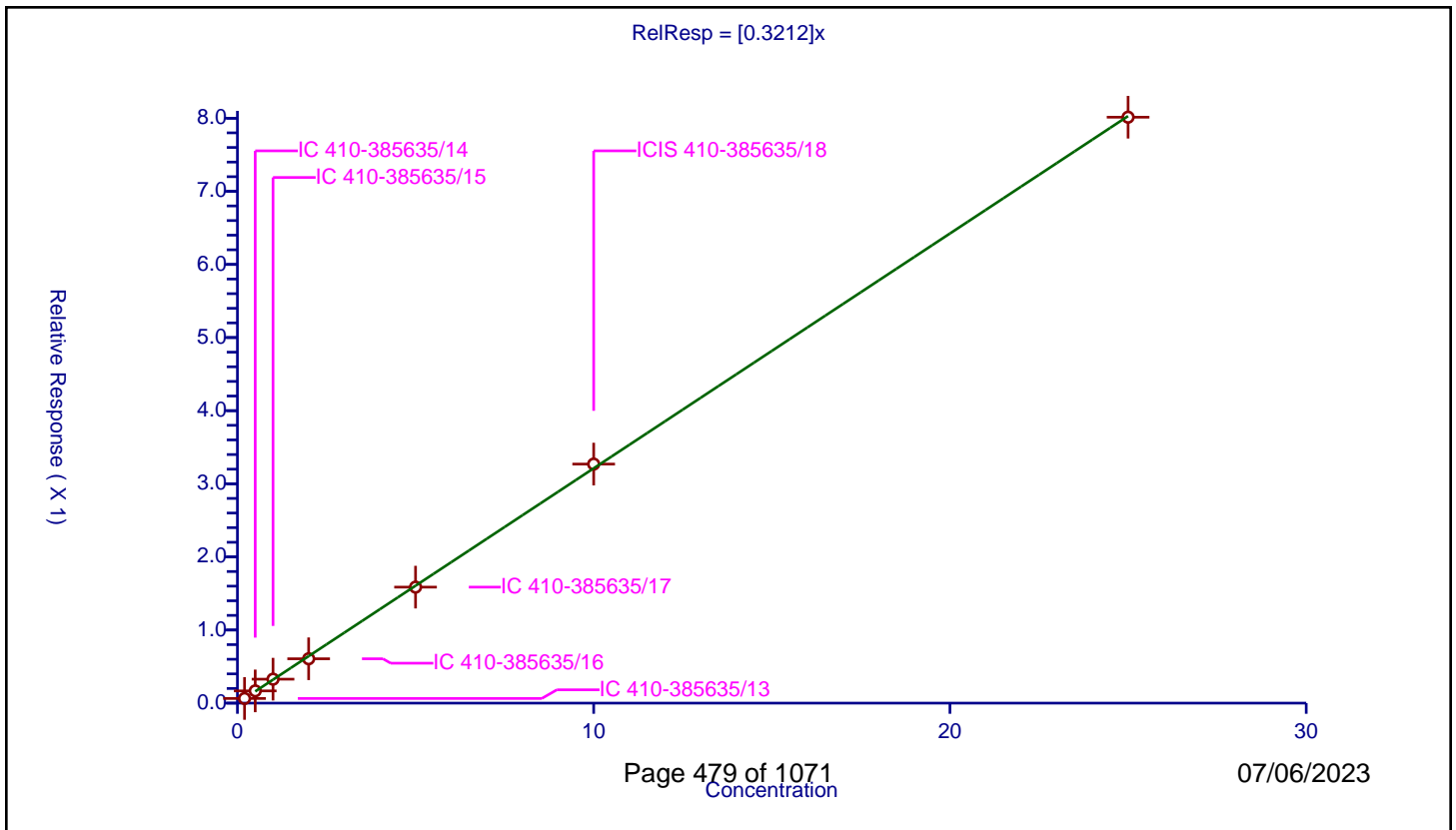
/ Dichlorodifluoromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3212

Error Coefficients	
Standard Error:	1080000
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 410-385635/13	0.2	0.063472	10.0	2994368.0	0.317362	Y
2	IC 410-385635/14	0.5	0.167424	10.0	2941454.0	0.334848	Y
3	IC 410-385635/15	1.0	0.327629	10.0	2982641.0	0.327629	Y
4	IC 410-385635/16	2.0	0.606772	10.0	2890296.0	0.303386	Y
5	IC 410-385635/17	5.0	1.586705	10.0	2850114.0	0.317341	Y
6	ICIS 410-385635/18	10.0	3.269451	10.0	2941231.0	0.326945	Y
7	IC 410-385635/19	25.0	8.01382	10.0	2995262.0	0.320553	Y



Calibration

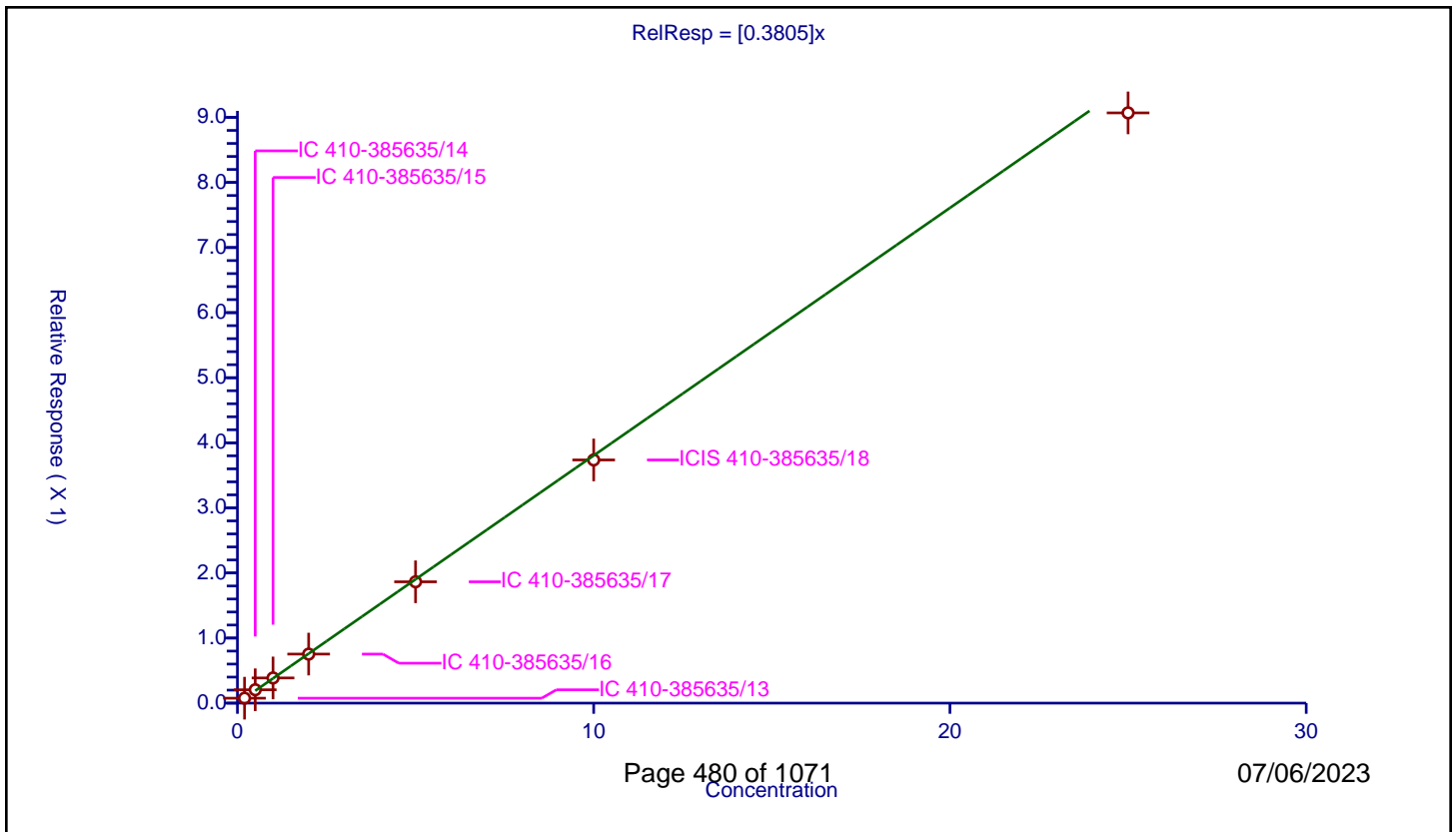
/ Chloromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3805

Error Coefficients	
Standard Error:	1220000
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 410-385635/13	0.2	0.075996	10.0	2994368.0	0.37998	Y
2	IC 410-385635/14	0.5	0.20529	10.0	2941454.0	0.410579	Y
3	IC 410-385635/15	1.0	0.386741	10.0	2982641.0	0.386741	Y
4	IC 410-385635/16	2.0	0.753404	10.0	2890296.0	0.376702	Y
5	IC 410-385635/17	5.0	1.864182	10.0	2850114.0	0.372836	Y
6	ICIS 410-385635/18	10.0	3.736694	10.0	2941231.0	0.373669	Y
7	IC 410-385635/19	25.0	9.069293	10.0	2995262.0	0.362772	Y



Calibration

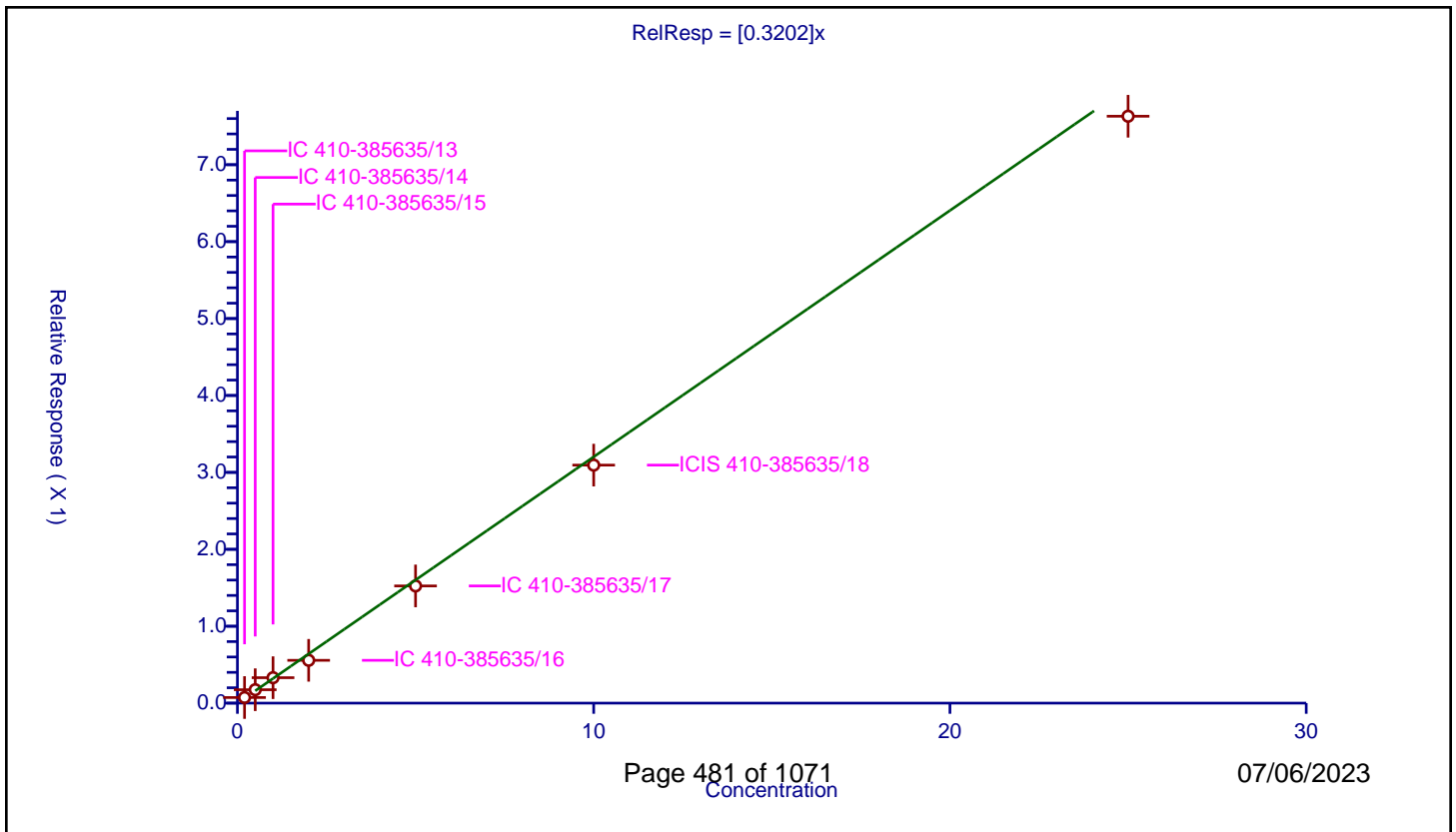
/ Butadiene

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

Curve Coefficients	
Intercept:	0
Slope:	0.3202

Error Coefficients	
Standard Error:	1020000
Relative Standard Error:	9.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.07284	10.0	2994368.0	0.3642	Y
2	IC 410-385635/14	0.5	0.174434	10.0	2941454.0	0.348868	Y
3	IC 410-385635/15	1.0	0.330764	10.0	2982641.0	0.330764	Y
4	IC 410-385635/16	2.0	0.556683	10.0	2890296.0	0.278342	Y
5	IC 410-385635/17	5.0	1.523809	10.0	2850114.0	0.304762	Y
6	ICIS 410-385635/18	10.0	3.094487	10.0	2941231.0	0.309449	Y
7	IC 410-385635/19	25.0	7.630524	10.0	2995262.0	0.305221	Y



Calibration

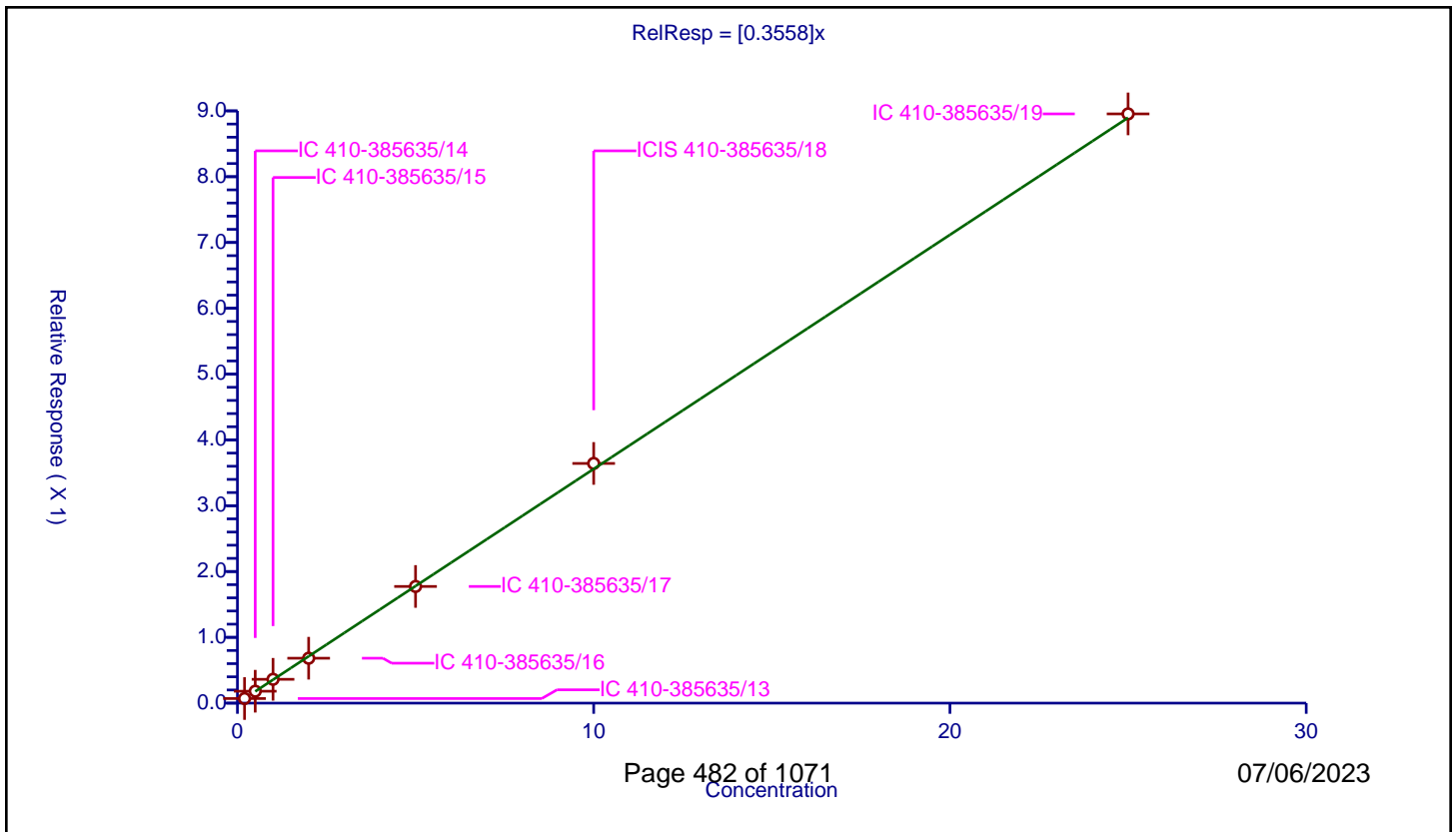
/ Vinyl chloride

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

Curve Coefficients	
Intercept:	0
Slope:	0.3558

Error Coefficients	
Standard Error:	1200000
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 410-385635/13	0.2	0.069641	10.0	2994368.0	0.348204	Y
2	IC 410-385635/14	0.5	0.181098	10.0	2941454.0	0.362195	Y
3	IC 410-385635/15	1.0	0.362206	10.0	2982641.0	0.362206	Y
4	IC 410-385635/16	2.0	0.682546	10.0	2890296.0	0.341273	Y
5	IC 410-385635/17	5.0	1.772996	10.0	2850114.0	0.354599	Y
6	ICIS 410-385635/18	10.0	3.642471	10.0	2941231.0	0.364247	Y
7	IC 410-385635/19	25.0	8.954085	10.0	2995262.0	0.358163	Y



Calibration

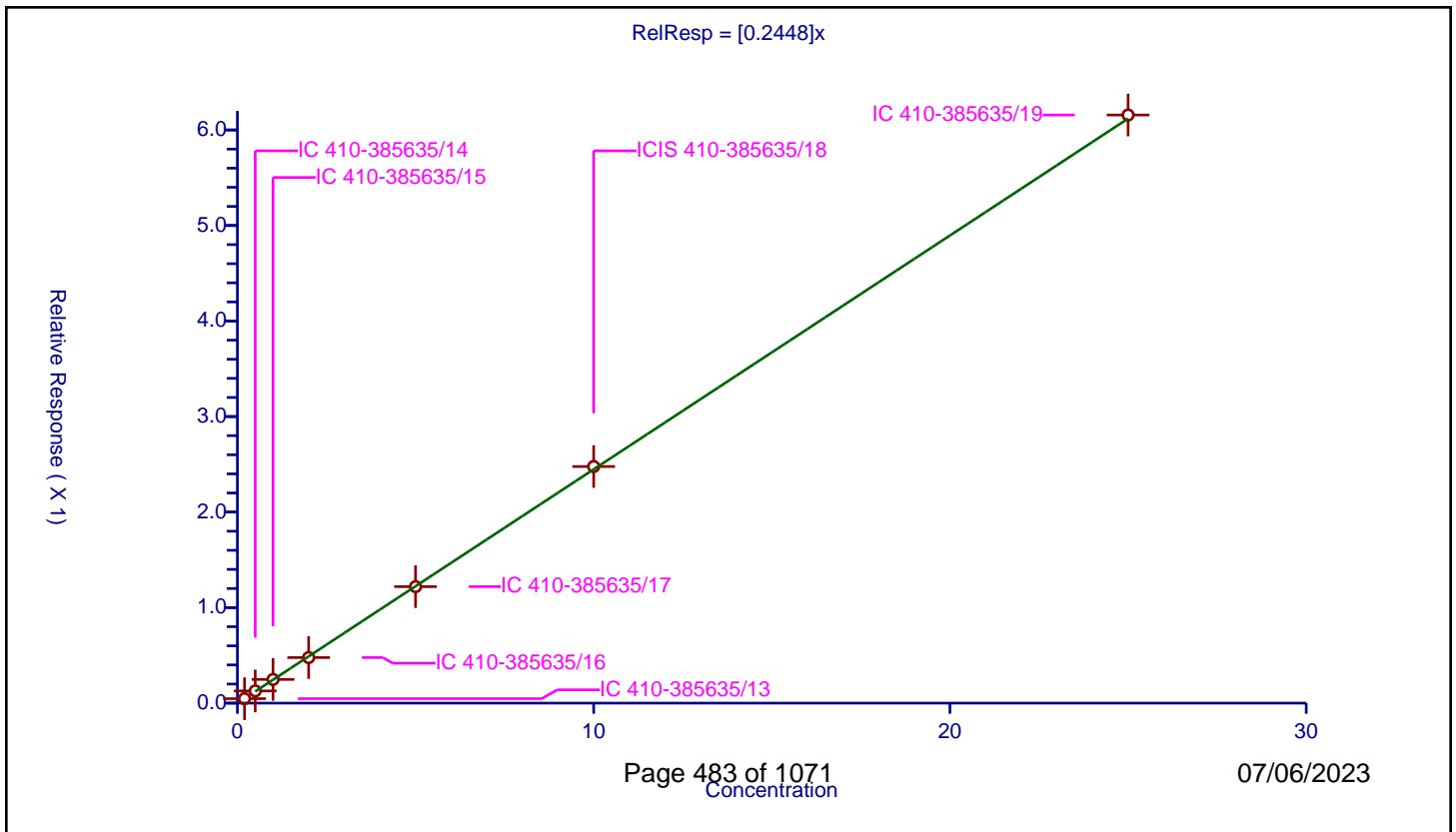
/ Bromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2448

Error Coefficients	
Standard Error:	824000
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 410-385635/13	0.2	0.046711	10.0	2994368.0	0.233555	Y
2	IC 410-385635/14	0.5	0.12777	10.0	2941454.0	0.25554	Y
3	IC 410-385635/15	1.0	0.247965	10.0	2982641.0	0.247965	Y
4	IC 410-385635/16	2.0	0.477058	10.0	2890296.0	0.238529	Y
5	IC 410-385635/17	5.0	1.21939	10.0	2850114.0	0.243878	Y
6	ICIS 410-385635/18	10.0	2.476905	10.0	2941231.0	0.247691	Y
7	IC 410-385635/19	25.0	6.15687	10.0	2995262.0	0.246275	Y



Calibration

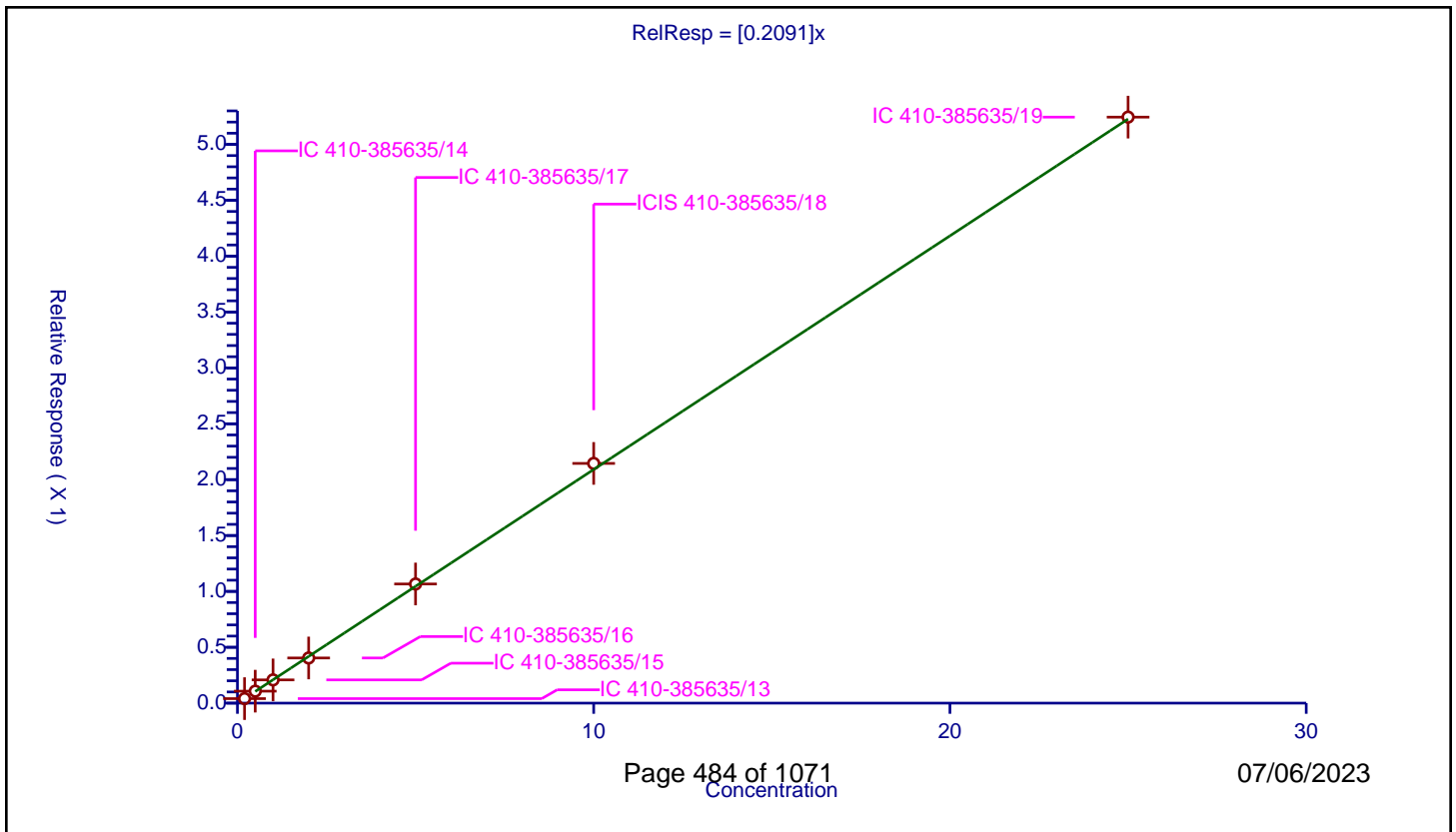
/ Chloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2091

Error Coefficients	
Standard Error:	704000
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 410-385635/13	0.2	0.040406	10.0	2994368.0	0.202029	Y
2	IC 410-385635/14	0.5	0.107046	10.0	2941454.0	0.214091	Y
3	IC 410-385635/15	1.0	0.20791	10.0	2982641.0	0.20791	Y
4	IC 410-385635/16	2.0	0.404114	10.0	2890296.0	0.202057	Y
5	IC 410-385635/17	5.0	1.066147	10.0	2850114.0	0.213229	Y
6	ICIS 410-385635/18	10.0	2.145357	10.0	2941231.0	0.214536	Y
7	IC 410-385635/19	25.0	5.244309	10.0	2995262.0	0.209772	Y



Calibration

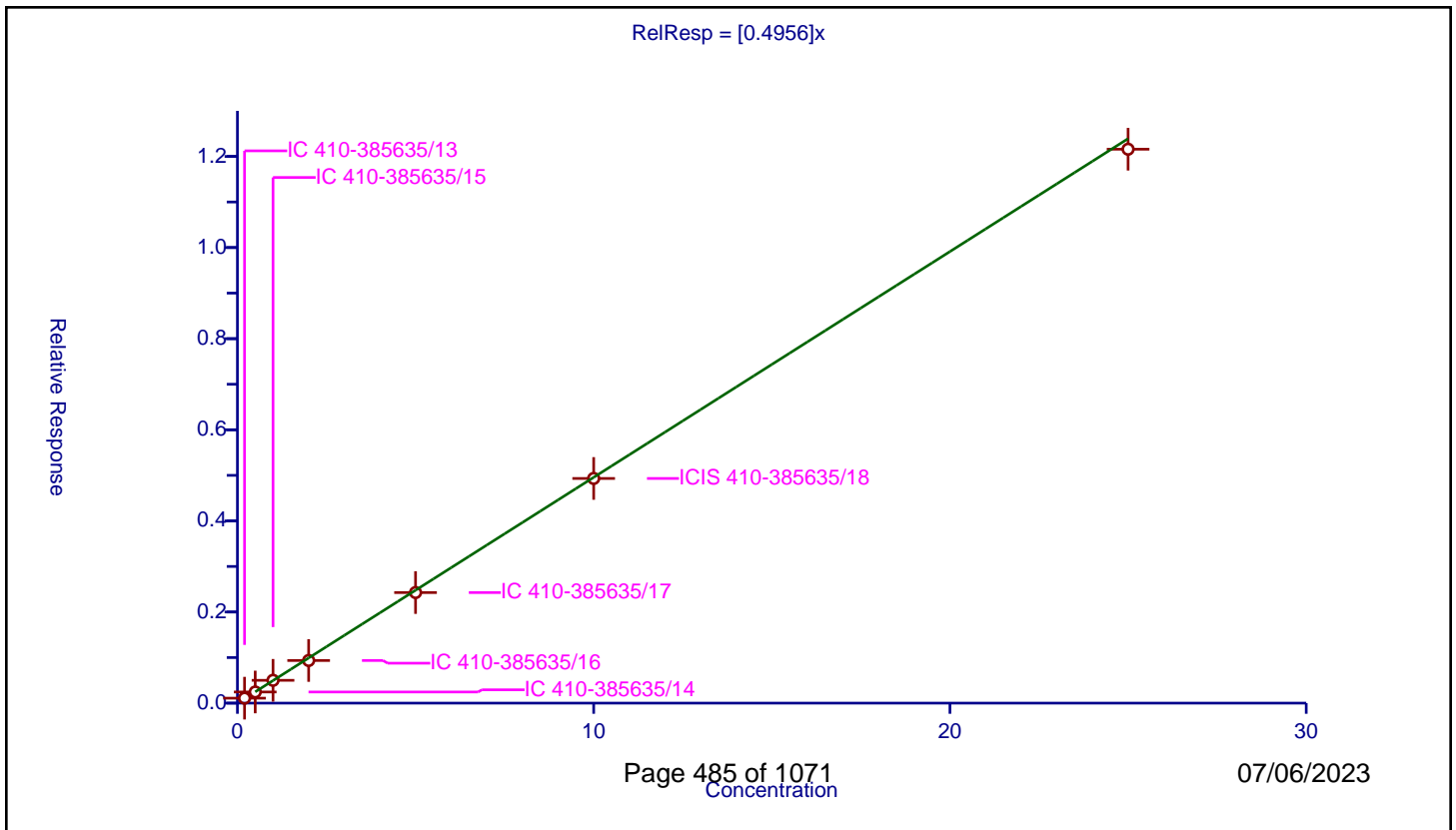
/ Dichlorofluoromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4956

Error Coefficients	
Standard Error:	1630000
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 410-385635/13	0.2	0.109168	10.0	2994368.0	0.545841	Y
2	IC 410-385635/14	0.5	0.244848	10.0	2941454.0	0.489697	Y
3	IC 410-385635/15	1.0	0.501002	10.0	2982641.0	0.501002	Y
4	IC 410-385635/16	2.0	0.93553	10.0	2890296.0	0.467765	Y
5	IC 410-385635/17	5.0	2.427156	10.0	2850114.0	0.485431	Y
6	ICIS 410-385635/18	10.0	4.931643	10.0	2941231.0	0.493164	Y
7	IC 410-385635/19	25.0	12.158936	10.0	2995262.0	0.486357	Y



Calibration

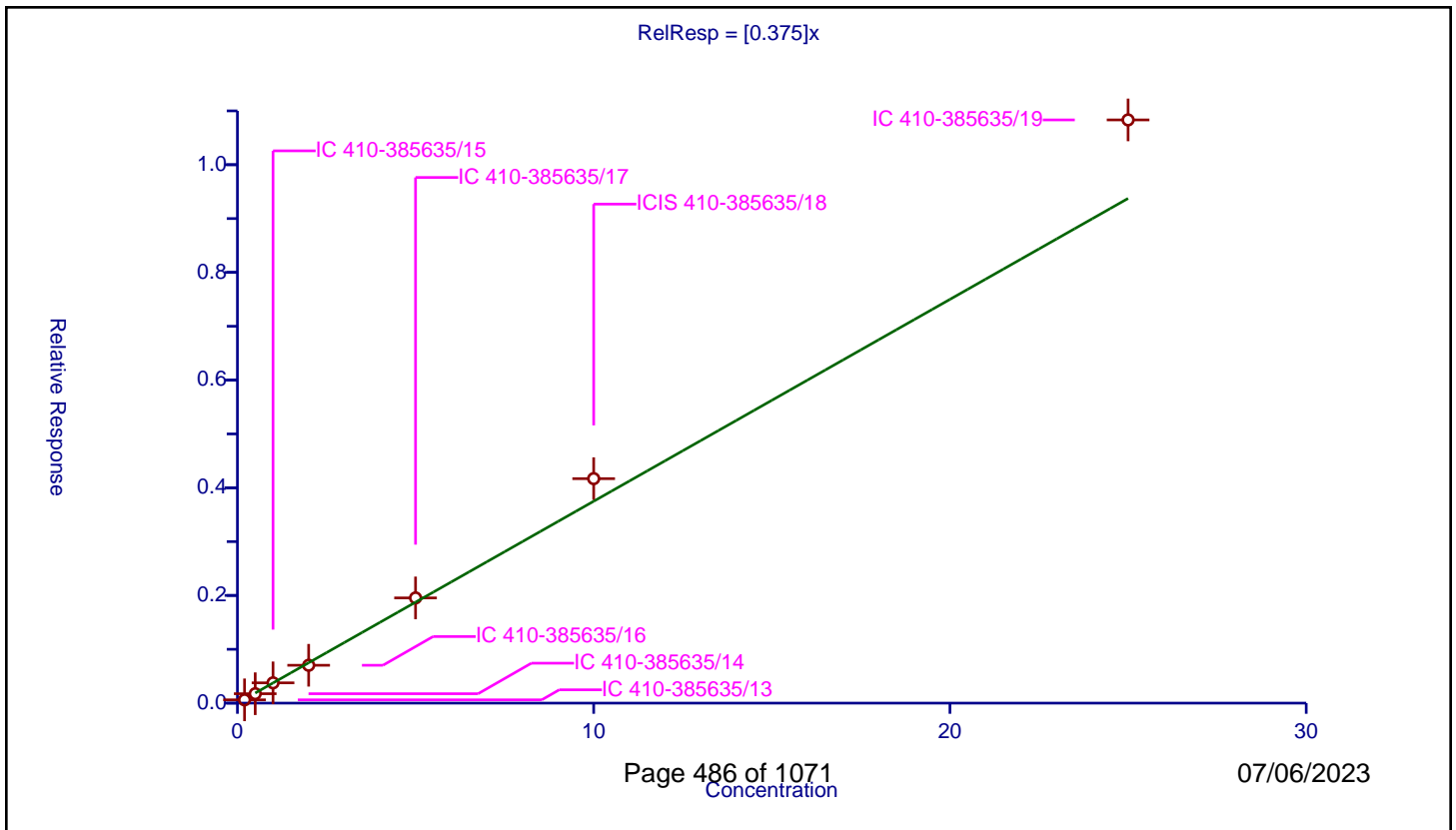
/ Trichlorofluoromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.375

Error Coefficients	
Standard Error:	1440000
Relative Standard Error:	11.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.061145	10.0	2994368.0	0.305724	Y
2	IC 410-385635/14	0.5	0.174852	10.0	2941454.0	0.349705	Y
3	IC 410-385635/15	1.0	0.376629	10.0	2982641.0	0.376629	Y
4	IC 410-385635/16	2.0	0.703149	10.0	2890296.0	0.351575	Y
5	IC 410-385635/17	5.0	1.954104	10.0	2850114.0	0.390821	Y
6	ICIS 410-385635/18	10.0	4.169591	10.0	2941231.0	0.416959	Y
7	IC 410-385635/19	25.0	10.832298	10.0	2995262.0	0.433292	Y



Calibration

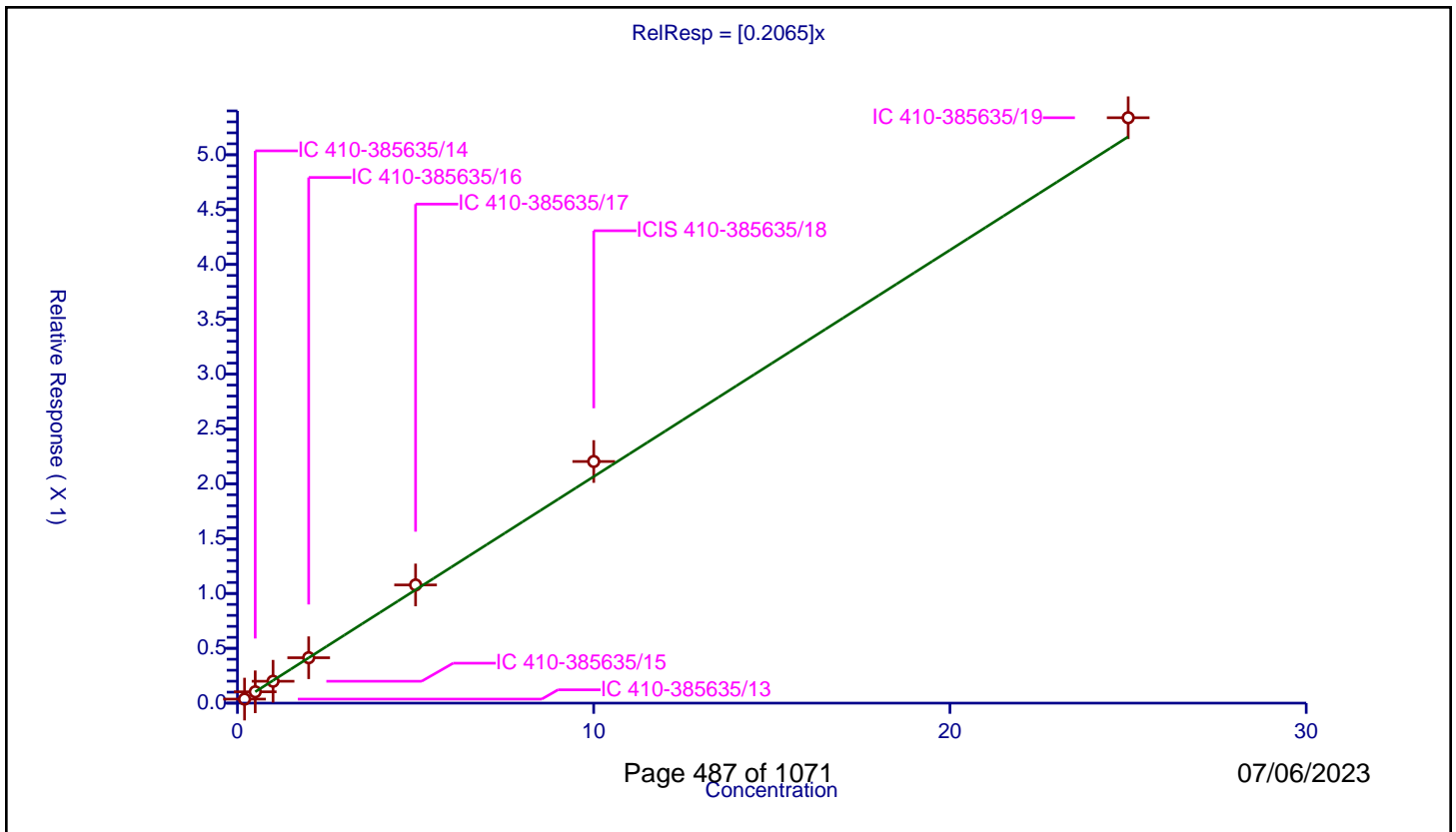
/ Ethyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.2065

Error Coefficients	
Standard Error:	718000
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 410-385635/13	0.200027	0.036706	10.0	2994368.0	0.183503	Y
2	IC 410-385635/14	0.500068	0.103316	10.0	2941454.0	0.206605	Y
3	IC 410-385635/15	1.000135	0.199592	10.0	2982641.0	0.199565	Y
4	IC 410-385635/16	2.00027	0.413833	10.0	2890296.0	0.206889	Y
5	IC 410-385635/17	5.000676	1.077676	10.0	2850114.0	0.215506	Y
6	ICIS 410-385635/18	10.001352	2.203098	10.0	2941231.0	0.22028	Y
7	IC 410-385635/19	25.00338	5.33754	10.0	2995262.0	0.213473	Y



Calibration

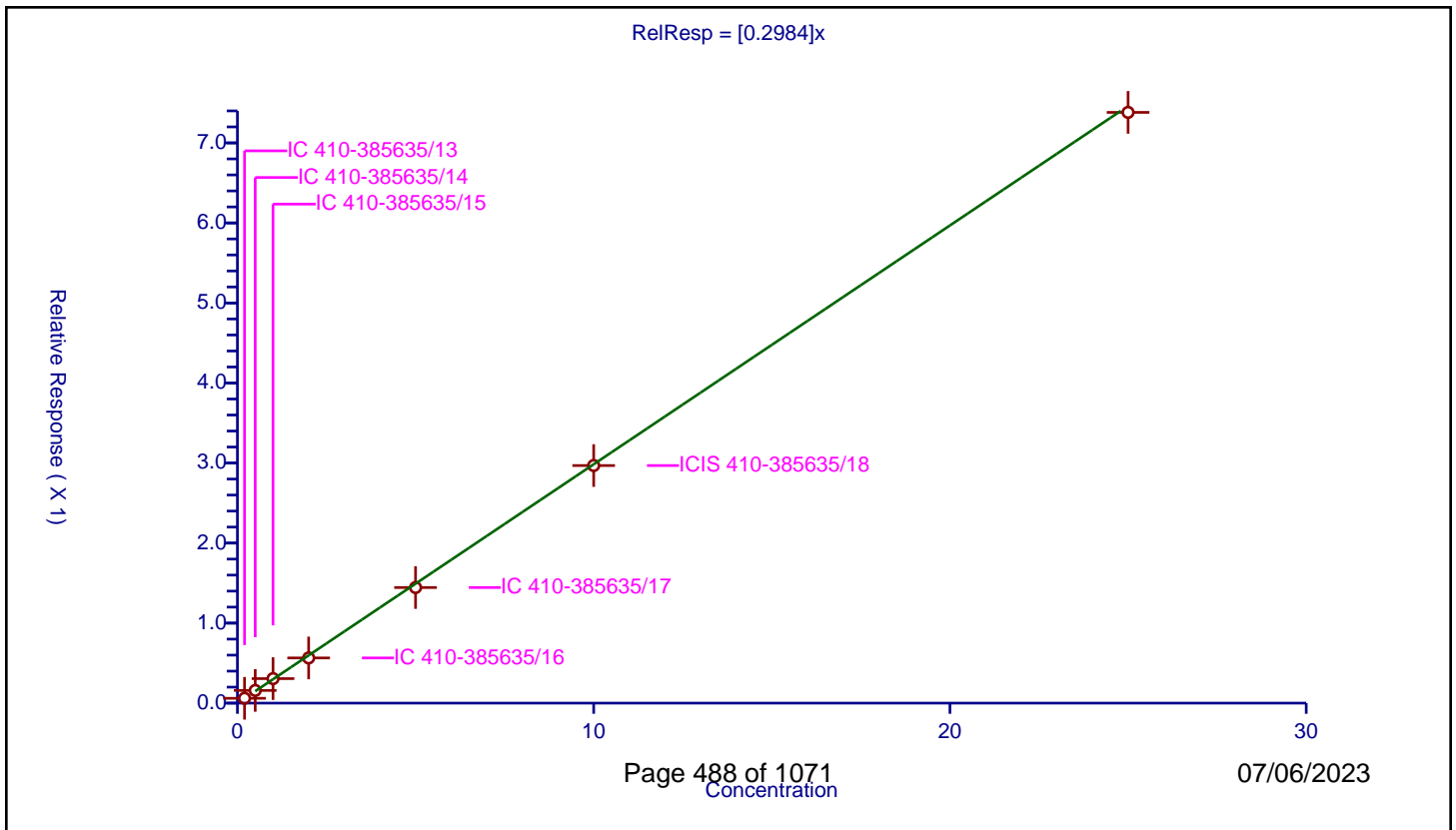
/ 1,2-Dichloro-1,1,2-trifluoroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2984

Error Coefficients	
Standard Error:	988000
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 410-385635/13	0.2	0.0605	10.0	2994368.0	0.302501	Y
2	IC 410-385635/14	0.5	0.158496	10.0	2941454.0	0.316993	Y
3	IC 410-385635/15	1.0	0.306222	10.0	2982641.0	0.306222	Y
4	IC 410-385635/16	2.0	0.56462	10.0	2890296.0	0.28231	Y
5	IC 410-385635/17	5.0	1.44443	10.0	2850114.0	0.288886	Y
6	ICIS 410-385635/18	10.0	2.968519	10.0	2941231.0	0.296852	Y
7	IC 410-385635/19	25.0	7.381474	10.0	2995262.0	0.295259	Y



Calibration

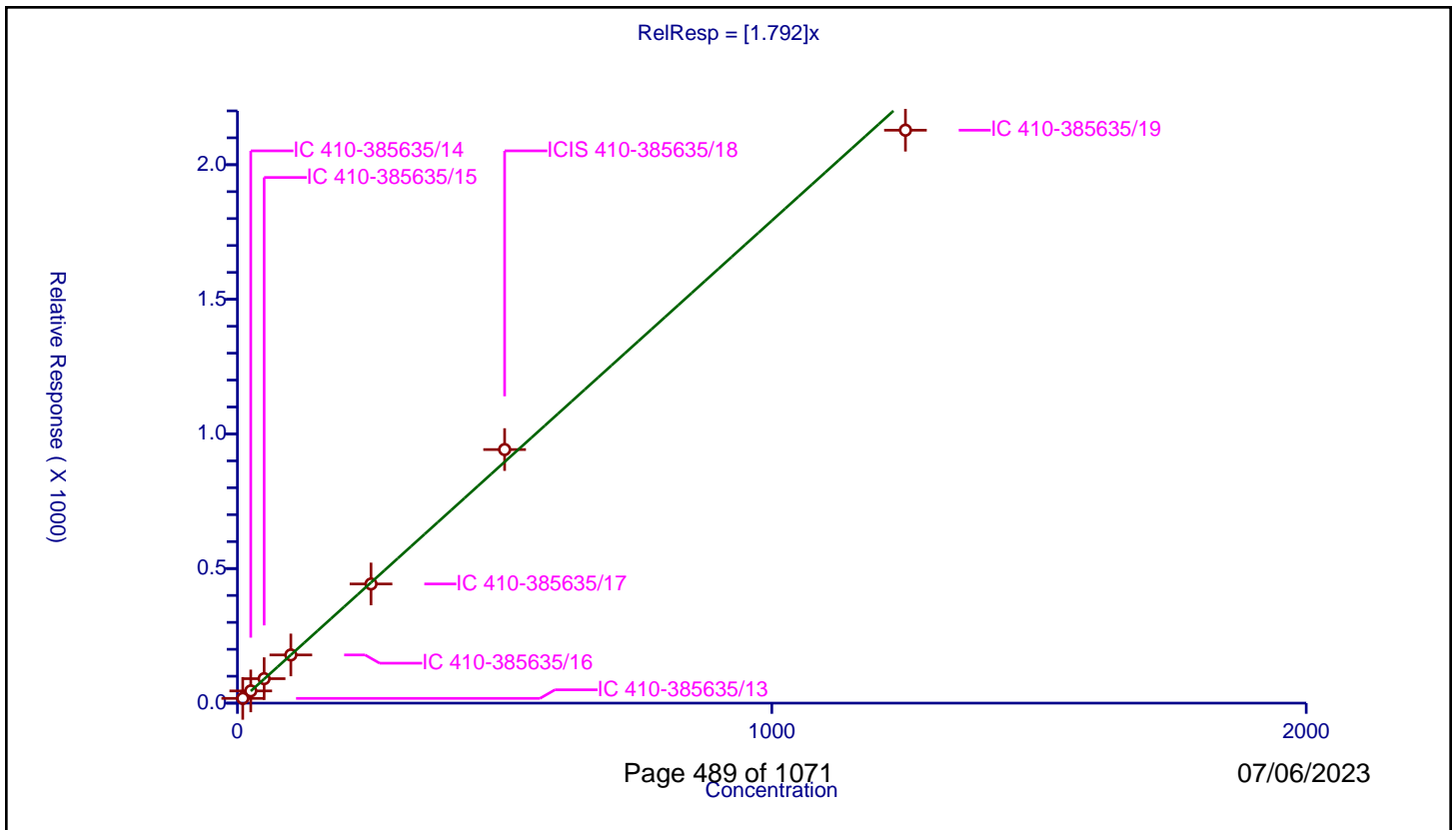
/ Acrolein

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

Curve Coefficients	
Intercept:	0
Slope:	1.792

Error Coefficients	
Standard Error:	4450000
Relative Standard Error:	3.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	10.000333	17.650193	50.0	212111.0	1.76496	Y
2	IC 410-385635/14	25.000833	45.390067	50.0	190762.0	1.815542	Y
3	IC 410-385635/15	50.001667	90.844265	50.0	207968.0	1.816825	Y
4	IC 410-385635/16	100.003333	179.073015	50.0	217339.0	1.79067	Y
5	IC 410-385635/17	250.008333	442.68044	50.0	218244.0	1.770663	Y
6	ICIS 410-385635/18	500.016666	941.924778	50.0	220415.0	1.883787	Y
7	IC 410-385635/19	1250.041665	2128.302021	50.0	231222.0	1.702585	Y



Calibration

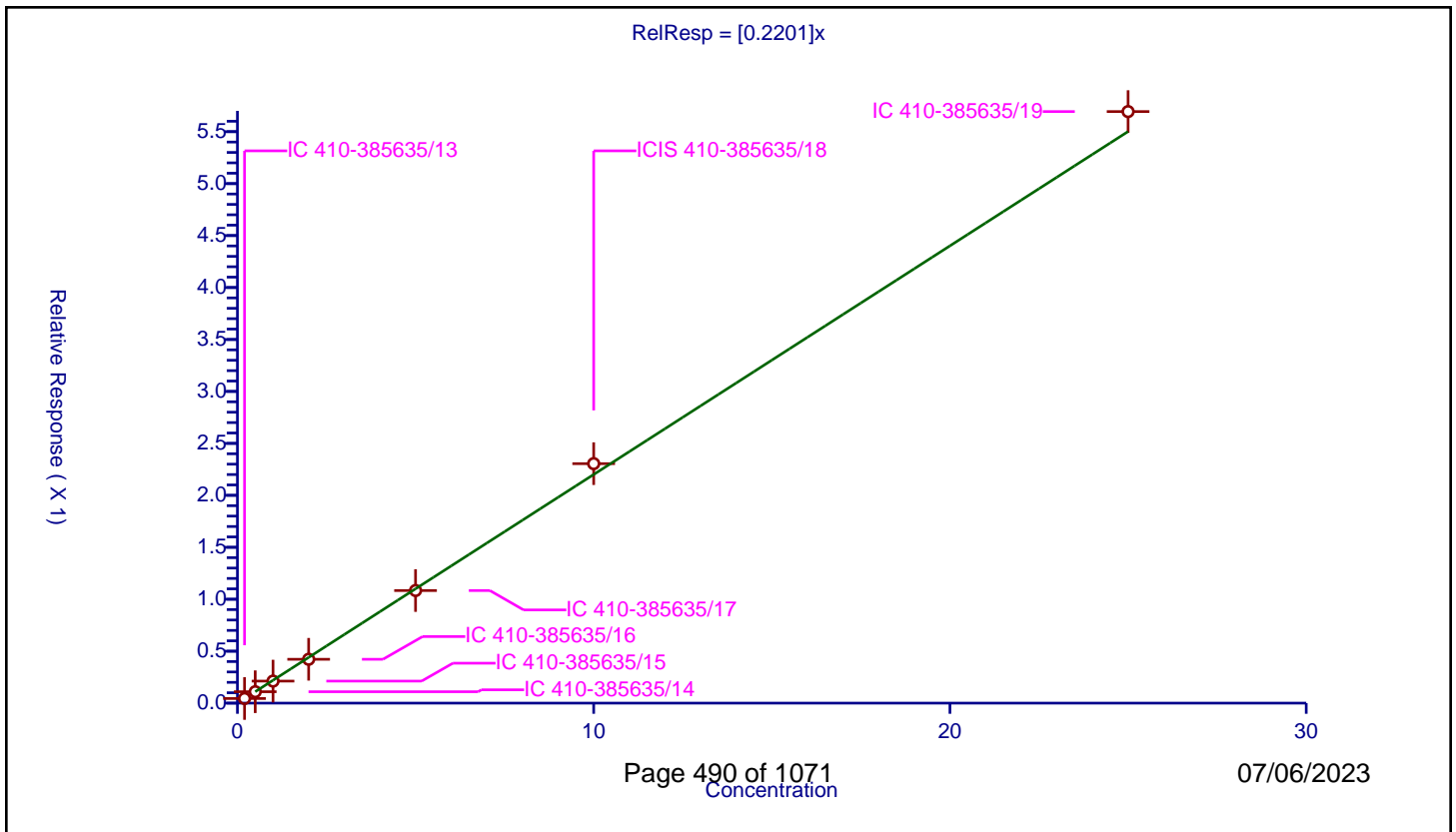
/ 1,1-Dichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.2201

Error Coefficients	
Standard Error:	762000
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 410-385635/13	0.2	0.044524	10.0	2994368.0	0.222618	Y
2	IC 410-385635/14	0.5	0.109857	10.0	2941454.0	0.219714	Y
3	IC 410-385635/15	1.0	0.212057	10.0	2982641.0	0.212057	Y
4	IC 410-385635/16	2.0	0.422151	10.0	2890296.0	0.211075	Y
5	IC 410-385635/17	5.0	1.083553	10.0	2850114.0	0.216711	Y
6	ICIS 410-385635/18	10.0	2.304929	10.0	2941231.0	0.230493	Y
7	IC 410-385635/19	25.0	5.693208	10.0	2995262.0	0.227728	Y



Calibration

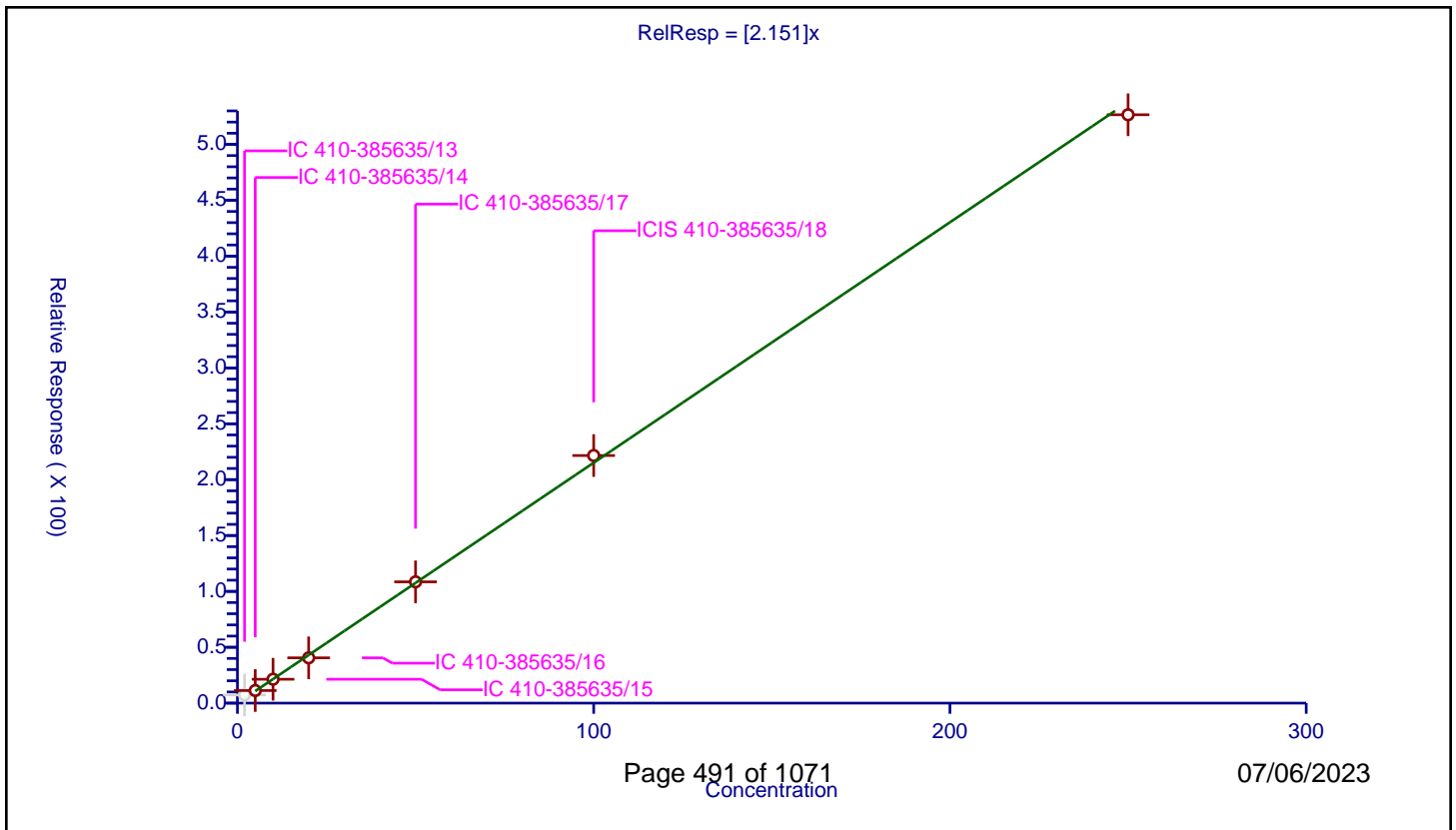
/ Acetone

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

Curve Coefficients	
Intercept:	0
Slope:	2.151

Error Coefficients	
Standard Error:	1200000
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 410-385635/13	2.0	7.334603	50.0	212111.0	3.667302	N
2	IC 410-385635/14	5.0	11.262987	50.0	190762.0	2.252597	Y
3	IC 410-385635/15	10.0	21.367951	50.0	207968.0	2.136795	Y
4	IC 410-385635/16	20.0	40.541964	50.0	217339.0	2.027098	Y
5	IC 410-385635/17	50.0	108.523717	50.0	218244.0	2.170474	Y
6	ICIS 410-385635/18	100.0	221.572715	50.0	220415.0	2.215727	Y
7	IC 410-385635/19	250.0	526.536835	50.0	231222.0	2.106147	Y



Calibration

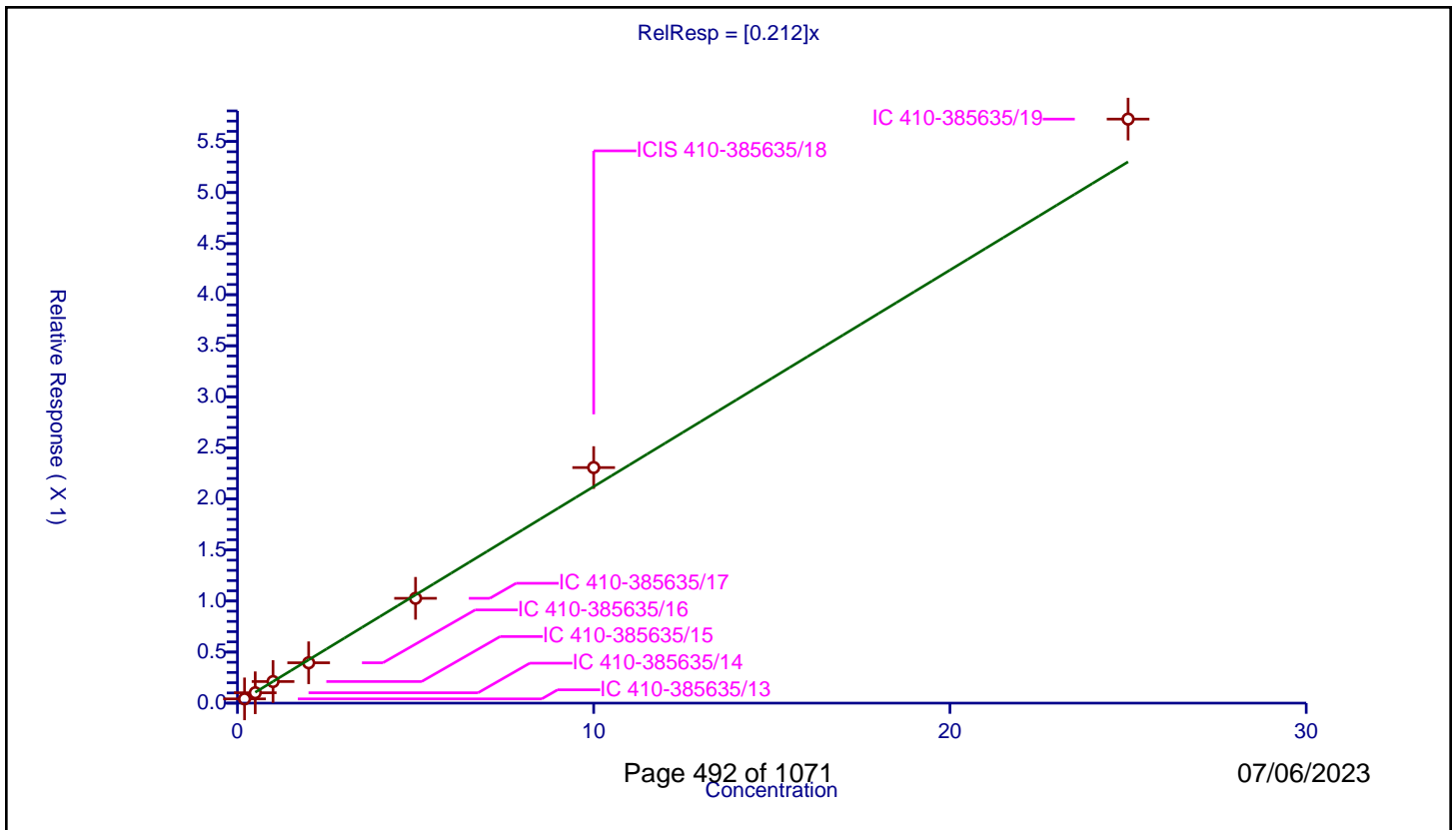
/ 1,1,2-Trichloro-1,2,2-trifluoroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.212

Error Coefficients	
Standard Error:	764000
Relative Standard Error:	6.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.041551	10.0	2994368.0	0.207757	Y
2	IC 410-385635/14	0.5	0.10147	10.0	2941454.0	0.20294	Y
3	IC 410-385635/15	1.0	0.211286	10.0	2982641.0	0.211286	Y
4	IC 410-385635/16	2.0	0.39516	10.0	2890296.0	0.19758	Y
5	IC 410-385635/17	5.0	1.026569	10.0	2850114.0	0.205314	Y
6	ICIS 410-385635/18	10.0	2.306827	10.0	2941231.0	0.230683	Y
7	IC 410-385635/19	25.0	5.719613	10.0	2995262.0	0.228785	Y



Calibration

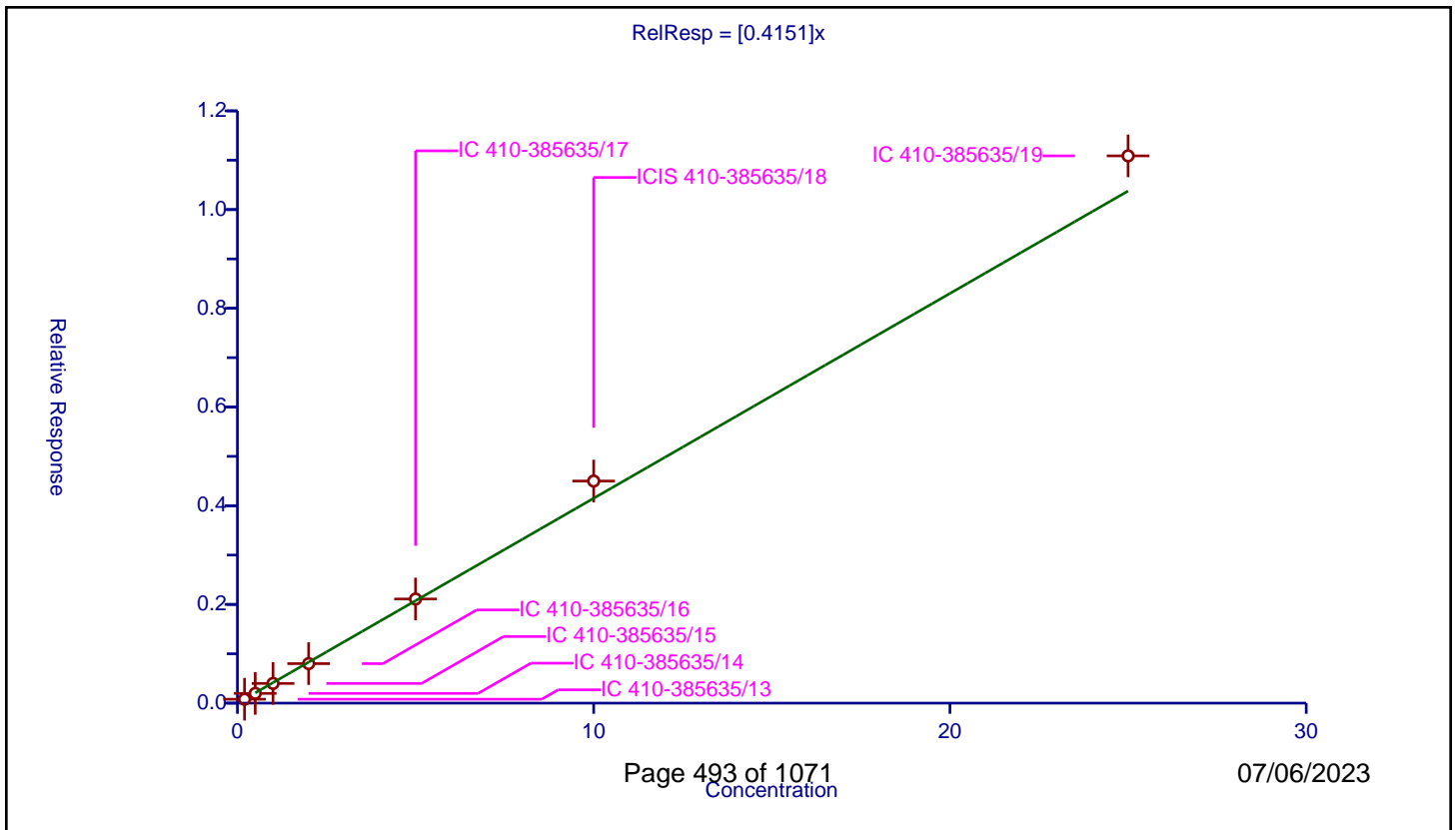
/ Iodomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4151

Error Coefficients	
Standard Error:	1480000
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 410-385635/13	0.2	0.079242	10.0	2994368.0	0.39621	Y
2	IC 410-385635/14	0.5	0.197192	10.0	2941454.0	0.394383	Y
3	IC 410-385635/15	1.0	0.399163	10.0	2982641.0	0.399163	Y
4	IC 410-385635/16	2.0	0.80033	10.0	2890296.0	0.400165	Y
5	IC 410-385635/17	5.0	2.109568	10.0	2850114.0	0.421914	Y
6	ICIS 410-385635/18	10.0	4.499932	10.0	2941231.0	0.449993	Y
7	IC 410-385635/19	25.0	11.088659	10.0	2995262.0	0.443546	Y



Calibration

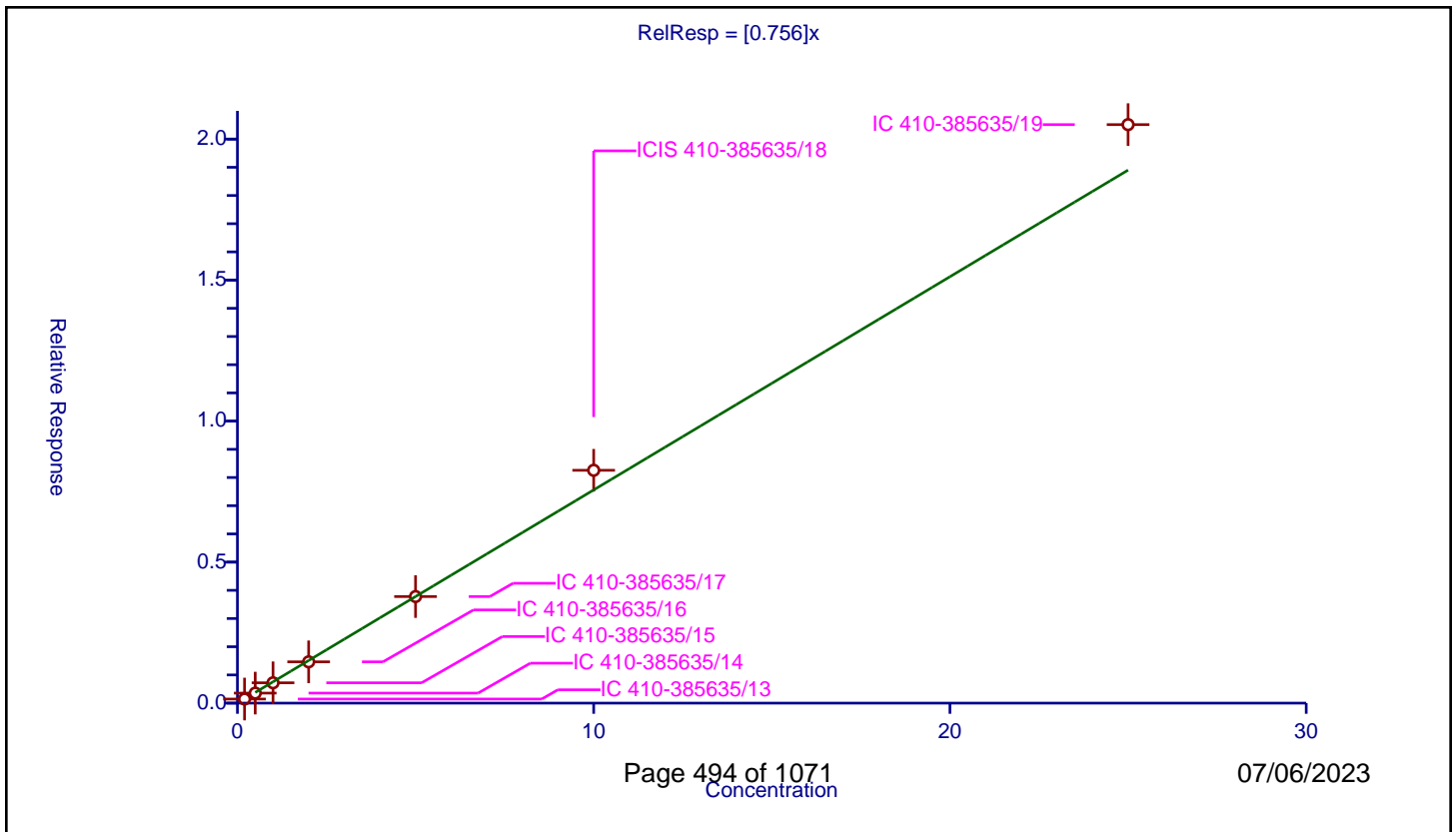
/ Carbon disulfide

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

Curve Coefficients	
Intercept:	0
Slope:	0.756

Error Coefficients	
Standard Error:	2740000
Relative Standard Error:	6.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.145226	10.0	2994368.0	0.72613	Y
2	IC 410-385635/14	0.5	0.355545	10.0	2941454.0	0.711091	Y
3	IC 410-385635/15	1.0	0.720761	10.0	2982641.0	0.720761	Y
4	IC 410-385635/16	2.0	1.464238	10.0	2890296.0	0.732119	Y
5	IC 410-385635/17	5.0	3.779273	10.0	2850114.0	0.755855	Y
6	ICIS 410-385635/18	10.0	8.256261	10.0	2941231.0	0.825626	Y
7	IC 410-385635/19	25.0	20.512269	10.0	2995262.0	0.820491	Y



Calibration

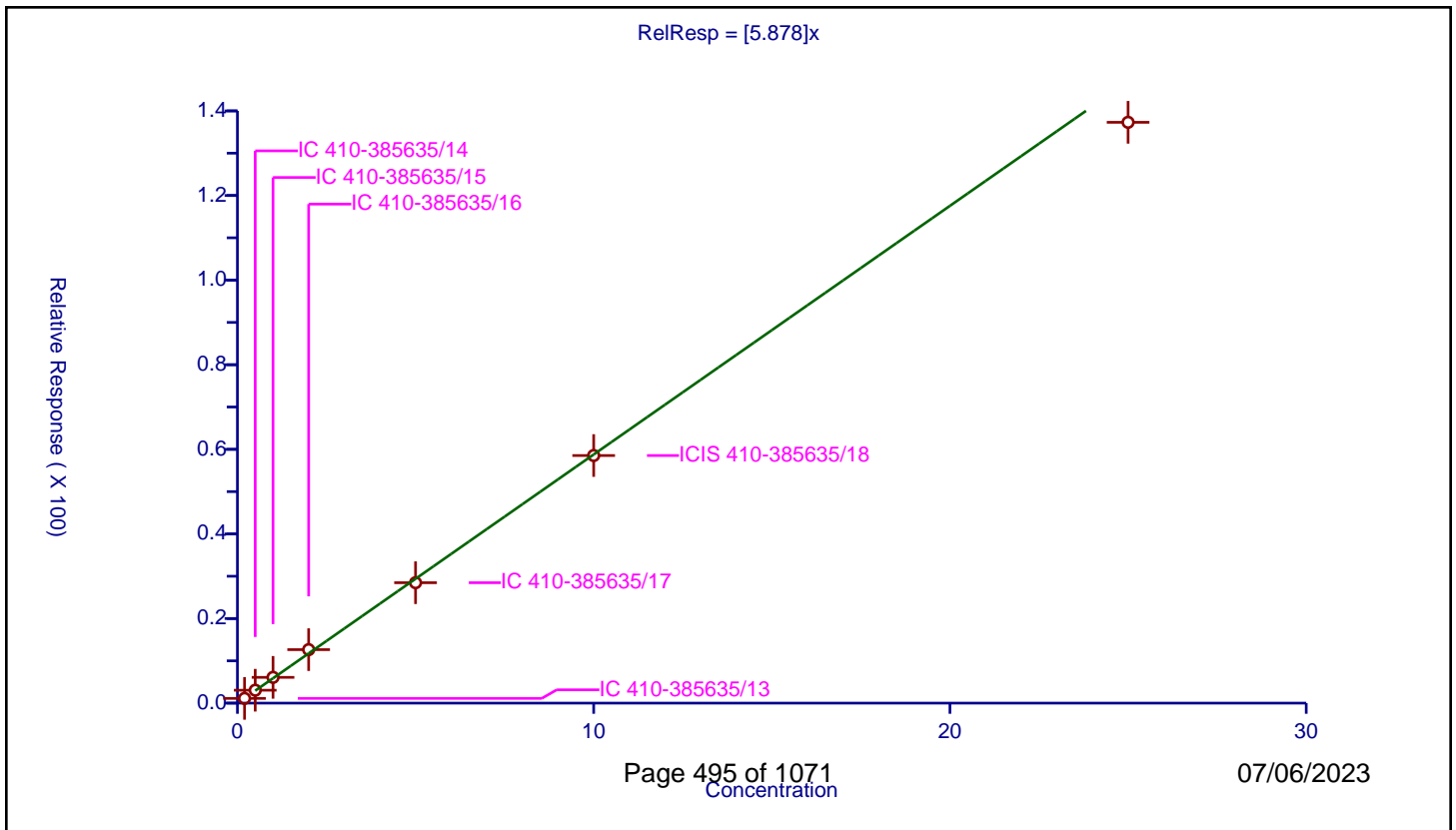
/ Methyl acetate

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

Curve Coefficients	
Intercept:	0
Slope:	5.878

Error Coefficients	
Standard Error:	285000
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 410-385635/13	0.2	1.11899	50.0	212111.0	5.594948	Y
2	IC 410-385635/14	0.5	3.048039	50.0	190762.0	6.096078	Y
3	IC 410-385635/15	1.0	6.093486	50.0	207968.0	6.093486	Y
4	IC 410-385635/16	2.0	12.643842	50.0	217339.0	6.321921	Y
5	IC 410-385635/17	5.0	28.466075	50.0	218244.0	5.693215	Y
6	ICIS 410-385635/18	10.0	58.529138	50.0	220415.0	5.852914	Y
7	IC 410-385635/19	25.0	137.301381	50.0	231222.0	5.492055	Y



Calibration

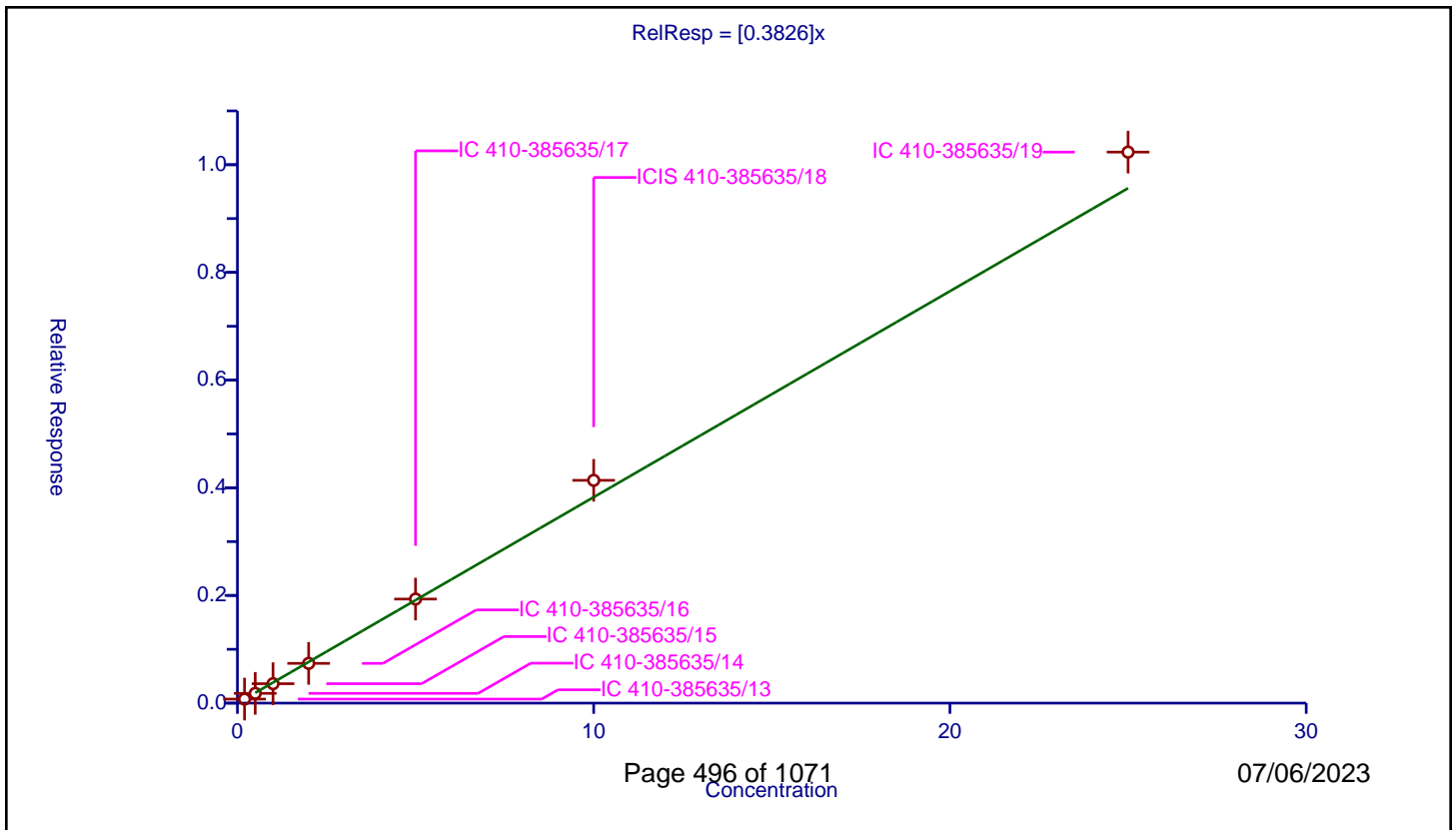
/ 3-Chloro-1-propene

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

Curve Coefficients	
Intercept:	0
Slope:	0.3826

Error Coefficients	
Standard Error:	1370000
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 410-385635/13	0.2	0.074971	10.0	2994368.0	0.374854	Y
2	IC 410-385635/14	0.5	0.181458	10.0	2941454.0	0.362916	Y
3	IC 410-385635/15	1.0	0.361096	10.0	2982641.0	0.361096	Y
4	IC 410-385635/16	2.0	0.738388	10.0	2890296.0	0.369194	Y
5	IC 410-385635/17	5.0	1.932996	10.0	2850114.0	0.386599	Y
6	ICIS 410-385635/18	10.0	4.138186	10.0	2941231.0	0.413819	Y
7	IC 410-385635/19	25.0	10.234607	10.0	2995262.0	0.409384	Y



Calibration

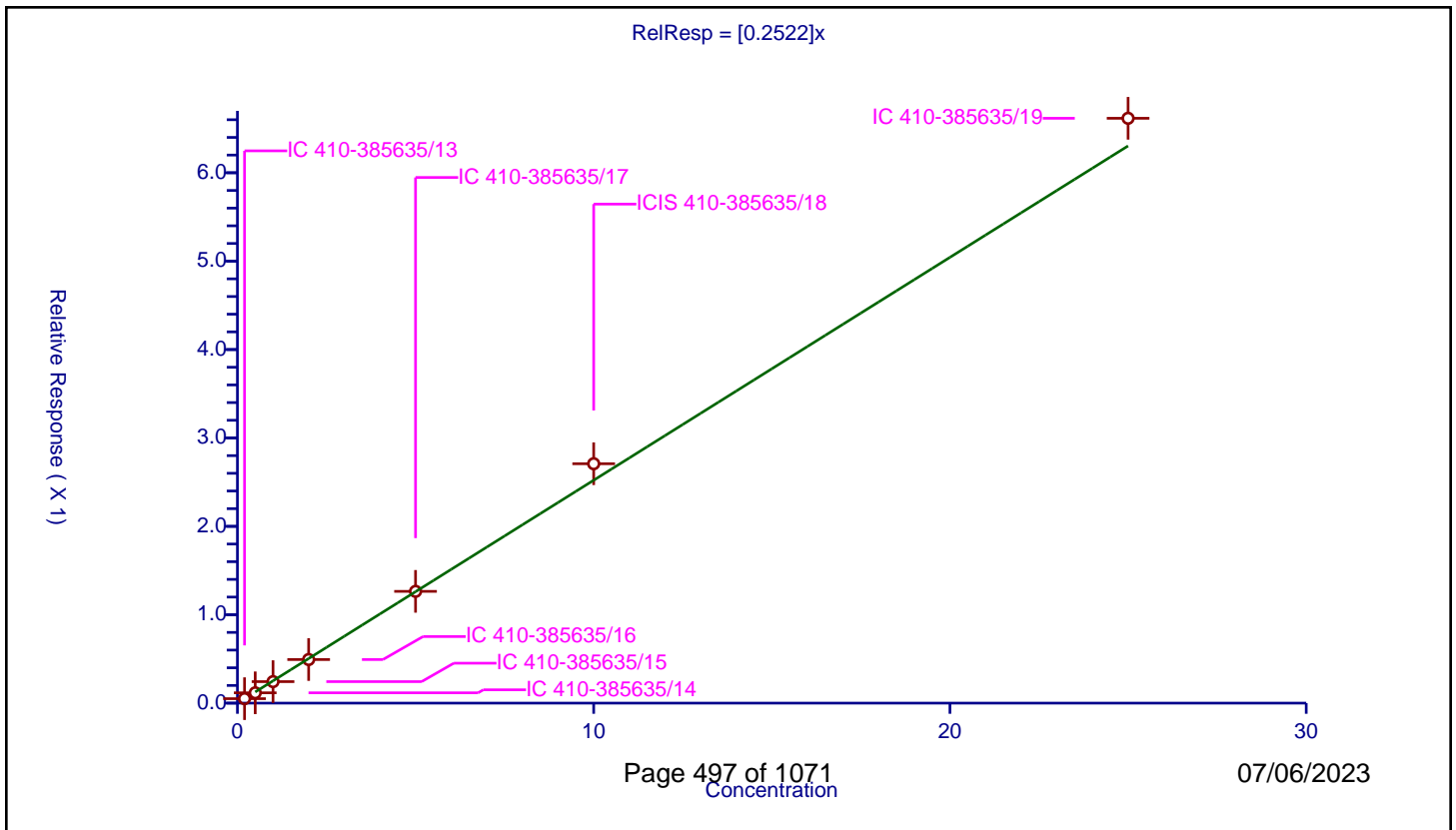
/ Methylene Chloride

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

Curve Coefficients	
Intercept:	0
Slope:	0.2522

Error Coefficients	
Standard Error:	887000
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 410-385635/13	0.2	0.050612	10.0	2994368.0	0.253058	Y
2	IC 410-385635/14	0.5	0.116878	10.0	2941454.0	0.233755	Y
3	IC 410-385635/15	1.0	0.243301	10.0	2982641.0	0.243301	Y
4	IC 410-385635/16	2.0	0.49323	10.0	2890296.0	0.246615	Y
5	IC 410-385635/17	5.0	1.264363	10.0	2850114.0	0.252873	Y
6	ICIS 410-385635/18	10.0	2.708373	10.0	2941231.0	0.270837	Y
7	IC 410-385635/19	25.0	6.616239	10.0	2995262.0	0.26465	Y



Calibration

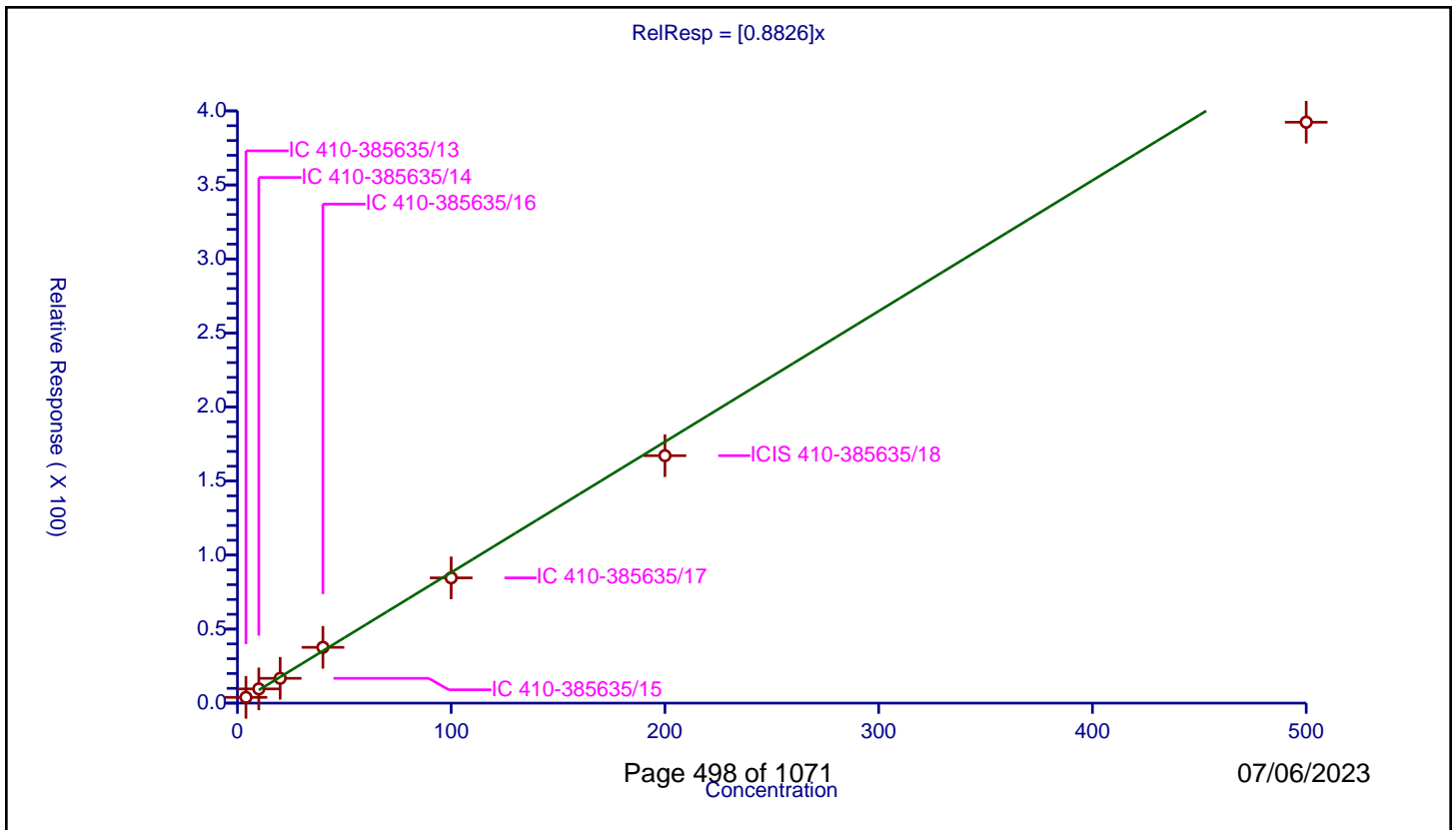
/ 2-Methyl-2-propanol

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

Curve Coefficients	
Intercept:	0
Slope:	0.8826

Error Coefficients	
Standard Error:	817000
Relative Standard Error:	8.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	4.0	3.885937	50.0	212111.0	0.971484	Y
2	IC 410-385635/14	10.0	9.603328	50.0	190762.0	0.960333	Y
3	IC 410-385635/15	20.0	16.753539	50.0	207968.0	0.837677	Y
4	IC 410-385635/16	40.0	37.684907	50.0	217339.0	0.942123	Y
5	IC 410-385635/17	100.0	84.592704	50.0	218244.0	0.845927	Y
6	ICIS 410-385635/18	200.0	167.140848	50.0	220415.0	0.835704	Y
7	IC 410-385635/19	500.0	392.356696	50.0	231222.0	0.784713	Y



Calibration

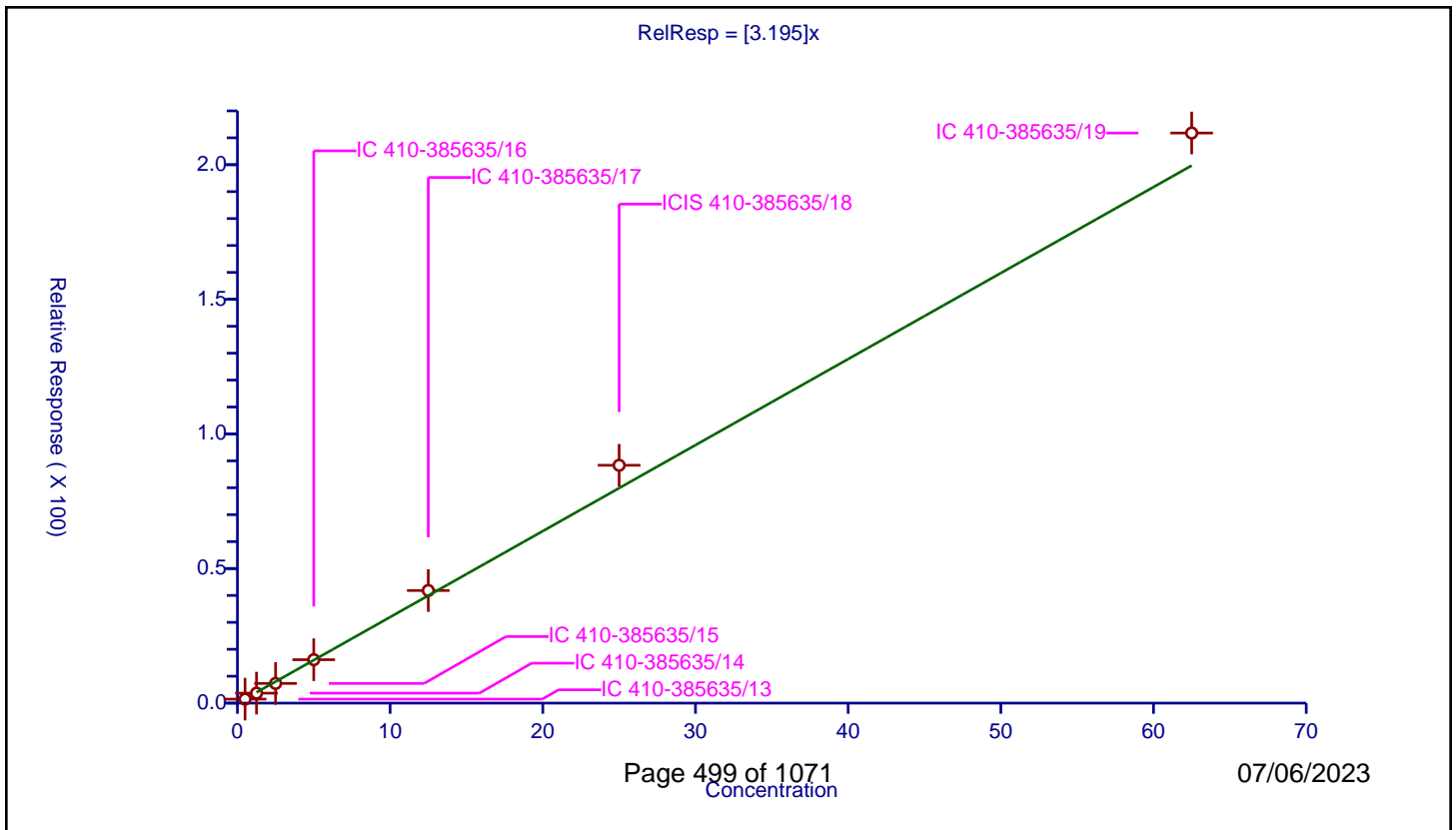
/ Acrylonitrile

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

Curve Coefficients	
Intercept:	0
Slope:	3.195

Error Coefficients	
Standard Error:	438000
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 410-385635/13	0.5	1.488607	50.0	212111.0	2.977215	Y
2	IC 410-385635/14	1.25	3.707499	50.0	190762.0	2.966	Y
3	IC 410-385635/15	2.5	7.317472	50.0	207968.0	2.926989	Y
4	IC 410-385635/16	5.0	16.131711	50.0	217339.0	3.226342	Y
5	IC 410-385635/17	12.5	41.835973	50.0	218244.0	3.346878	Y
6	ICIS 410-385635/18	25.0	88.351065	50.0	220415.0	3.534043	Y
7	IC 410-385635/19	62.5	211.773966	50.0	231222.0	3.388383	Y



Calibration

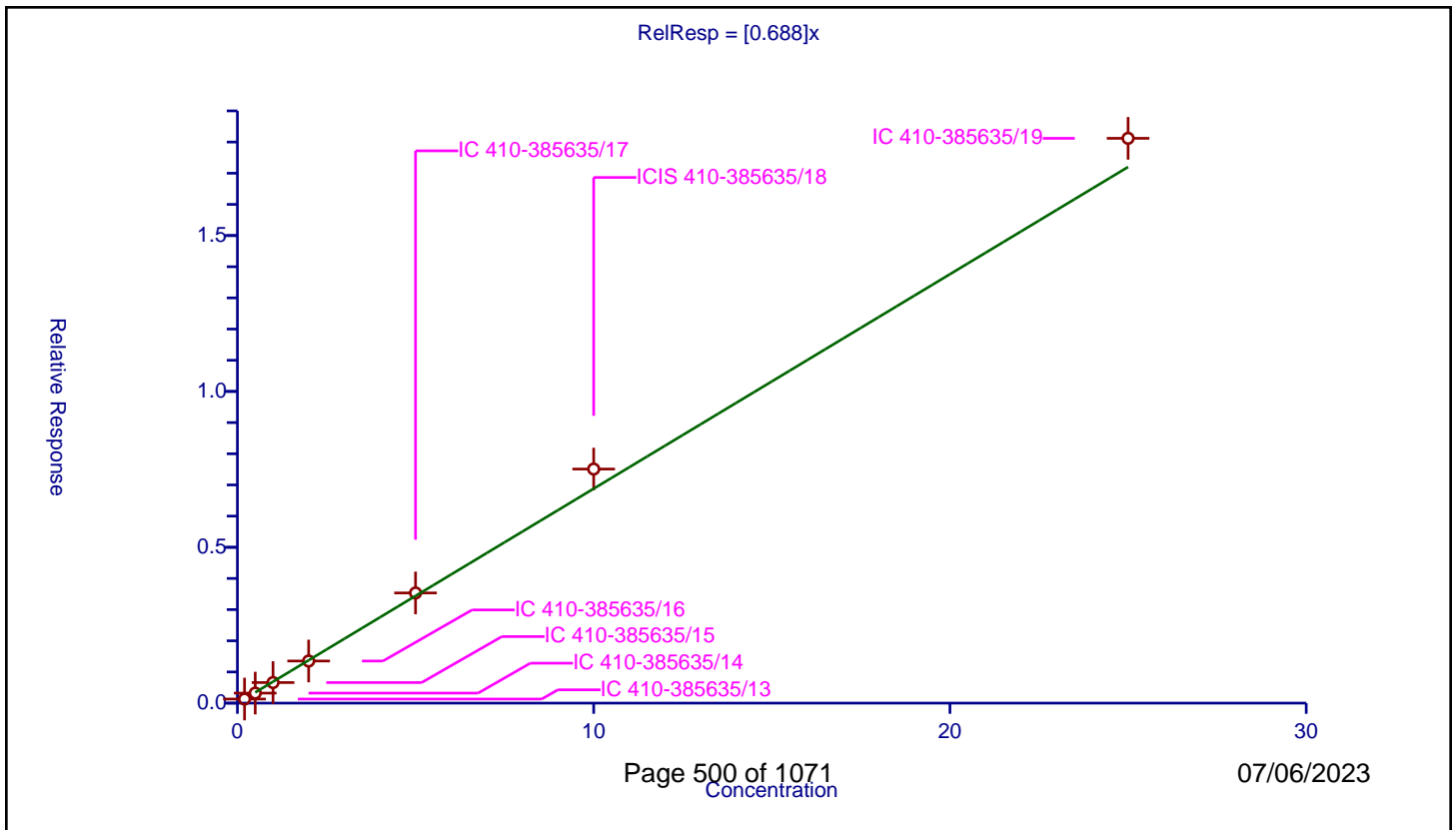
/ Methyl tert-butyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.688

Error Coefficients	
Standard Error:	2430000
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 410-385635/13	0.2	0.130786	10.0	2994368.0	0.653928	Y
2	IC 410-385635/14	0.5	0.32195	10.0	2941454.0	0.643899	Y
3	IC 410-385635/15	1.0	0.659925	10.0	2982641.0	0.659925	Y
4	IC 410-385635/16	2.0	1.351374	10.0	2890296.0	0.675687	Y
5	IC 410-385635/17	5.0	3.534743	10.0	2850114.0	0.706949	Y
6	ICIS 410-385635/18	10.0	7.509488	10.0	2941231.0	0.750949	Y
7	IC 410-385635/19	25.0	18.120241	10.0	2995262.0	0.72481	Y



Calibration

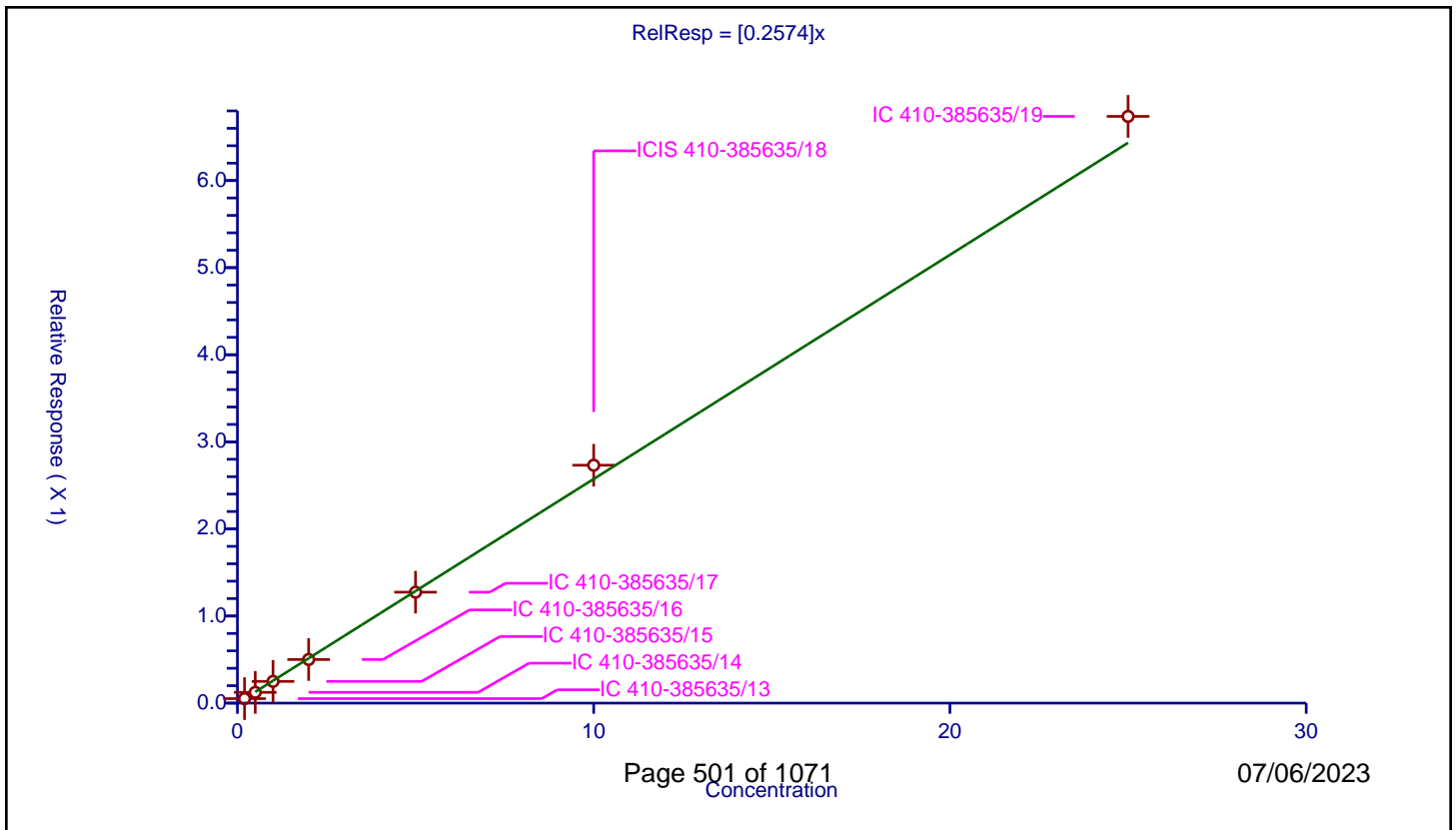
/ trans-1,2-Dichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.2574

Error Coefficients	
Standard Error:	902000
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 410-385635/13	0.2	0.051433	10.0	2994368.0	0.257166	Y
2	IC 410-385635/14	0.5	0.123568	10.0	2941454.0	0.247136	Y
3	IC 410-385635/15	1.0	0.249413	10.0	2982641.0	0.249413	Y
4	IC 410-385635/16	2.0	0.500821	10.0	2890296.0	0.25041	Y
5	IC 410-385635/17	5.0	1.273777	10.0	2850114.0	0.254755	Y
6	ICIS 410-385635/18	10.0	2.731469	10.0	2941231.0	0.273147	Y
7	IC 410-385635/19	25.0	6.73685	10.0	2995262.0	0.269474	Y



Calibration

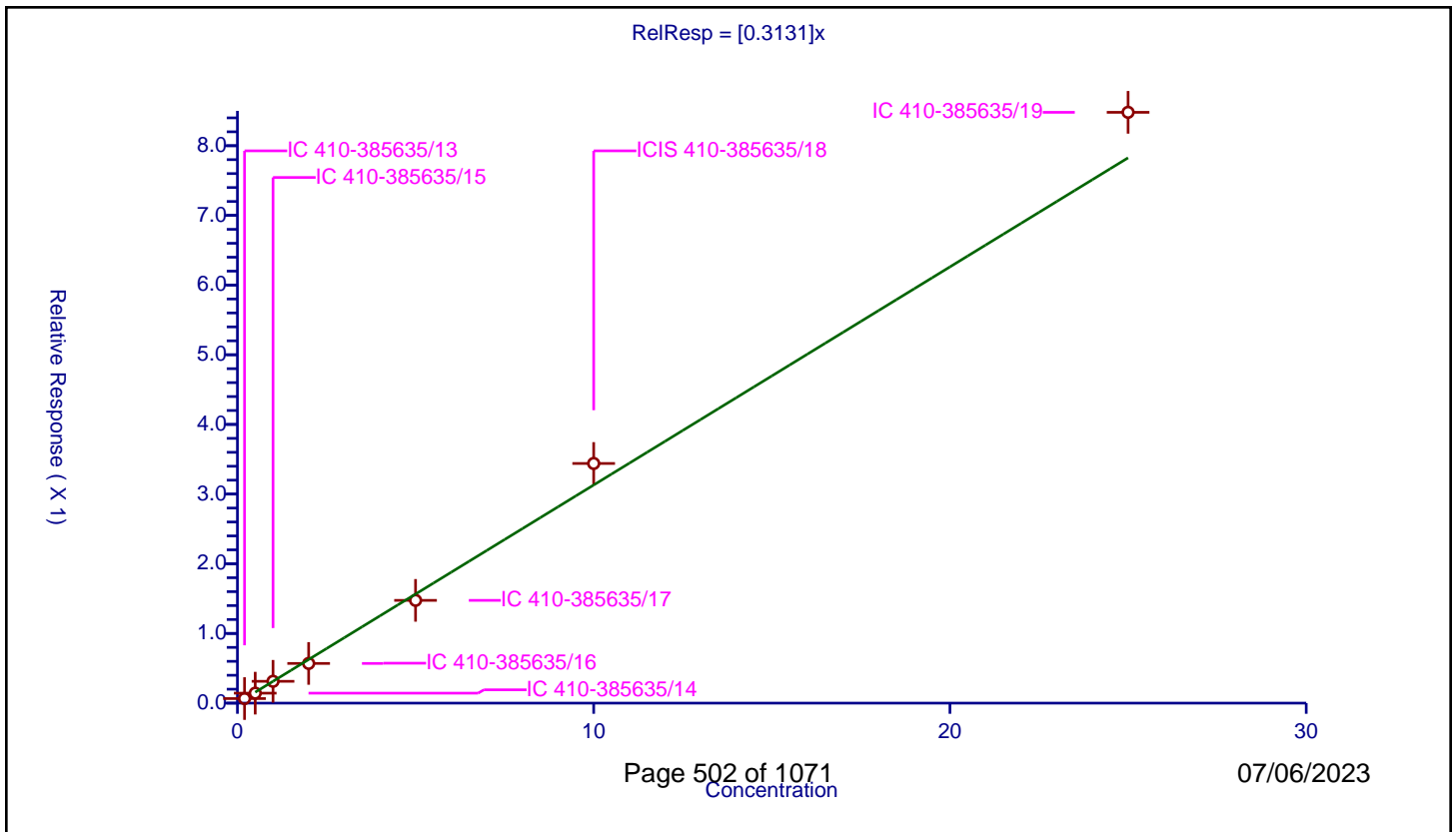
/ Hexane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3131

Error Coefficients	
Standard Error:	1130000
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 410-385635/13	0.2	0.065667	10.0	2994368.0	0.328333	Y
2	IC 410-385635/14	0.5	0.14333	10.0	2941454.0	0.286661	Y
3	IC 410-385635/15	1.0	0.313434	10.0	2982641.0	0.313434	Y
4	IC 410-385635/16	2.0	0.569803	10.0	2890296.0	0.284902	Y
5	IC 410-385635/17	5.0	1.474952	10.0	2850114.0	0.29499	Y
6	ICIS 410-385635/18	10.0	3.439604	10.0	2941231.0	0.34396	Y
7	IC 410-385635/19	25.0	8.479405	10.0	2995262.0	0.339176	Y



Calibration

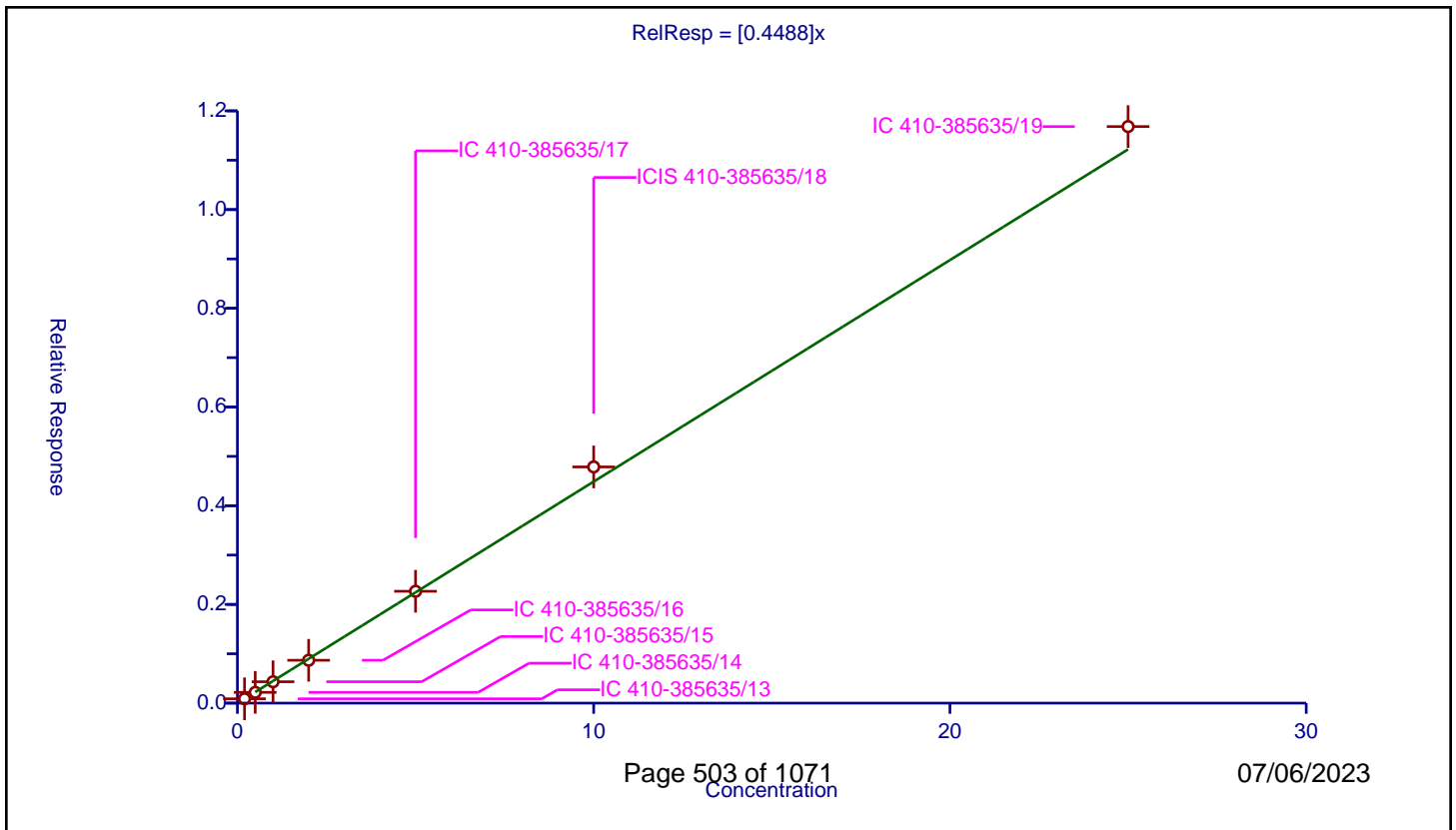
/ 1,1-Dichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4488

Error Coefficients	
Standard Error:	1570000
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 410-385635/13	0.2	0.087848	10.0	2994368.0	0.439241	Y
2	IC 410-385635/14	0.5	0.218062	10.0	2941454.0	0.436124	Y
3	IC 410-385635/15	1.0	0.432965	10.0	2982641.0	0.432965	Y
4	IC 410-385635/16	2.0	0.868627	10.0	2890296.0	0.434314	Y
5	IC 410-385635/17	5.0	2.266425	10.0	2850114.0	0.453285	Y
6	ICIS 410-385635/18	10.0	4.78603	10.0	2941231.0	0.478603	Y
7	IC 410-385635/19	25.0	11.682233	10.0	2995262.0	0.467289	Y



Calibration

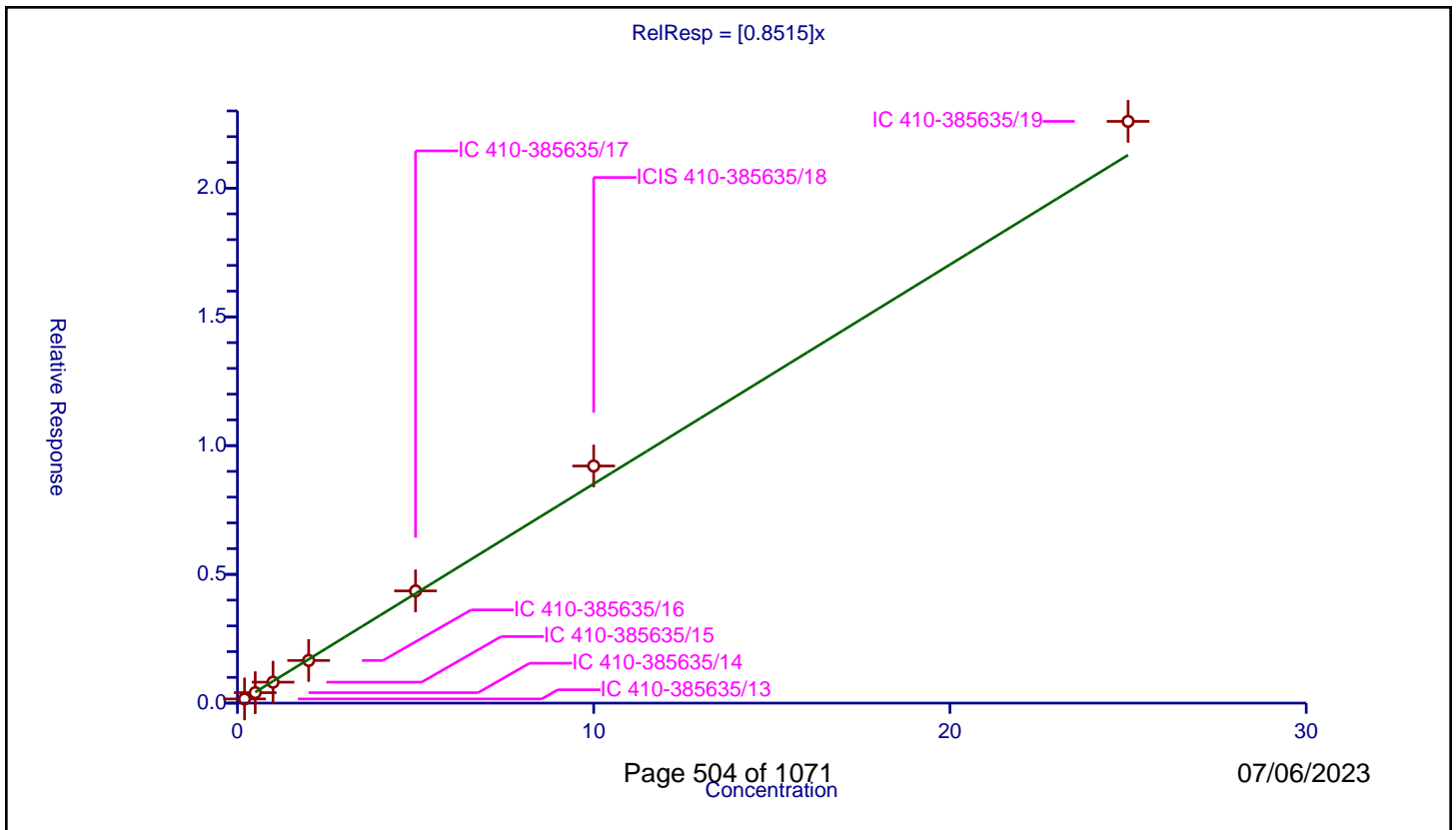
/ Isopropyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.8515

Error Coefficients	
Standard Error:	3030000
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 410-385635/13	0.2	0.161901	10.0	2994368.0	0.809503	Y
2	IC 410-385635/14	0.5	0.406326	10.0	2941454.0	0.812653	Y
3	IC 410-385635/15	1.0	0.813698	10.0	2982641.0	0.813698	Y
4	IC 410-385635/16	2.0	1.65647	10.0	2890296.0	0.828235	Y
5	IC 410-385635/17	5.0	4.357777	10.0	2850114.0	0.871555	Y
6	ICIS 410-385635/18	10.0	9.209593	10.0	2941231.0	0.920959	Y
7	IC 410-385635/19	25.0	22.593246	10.0	2995262.0	0.90373	Y



Calibration

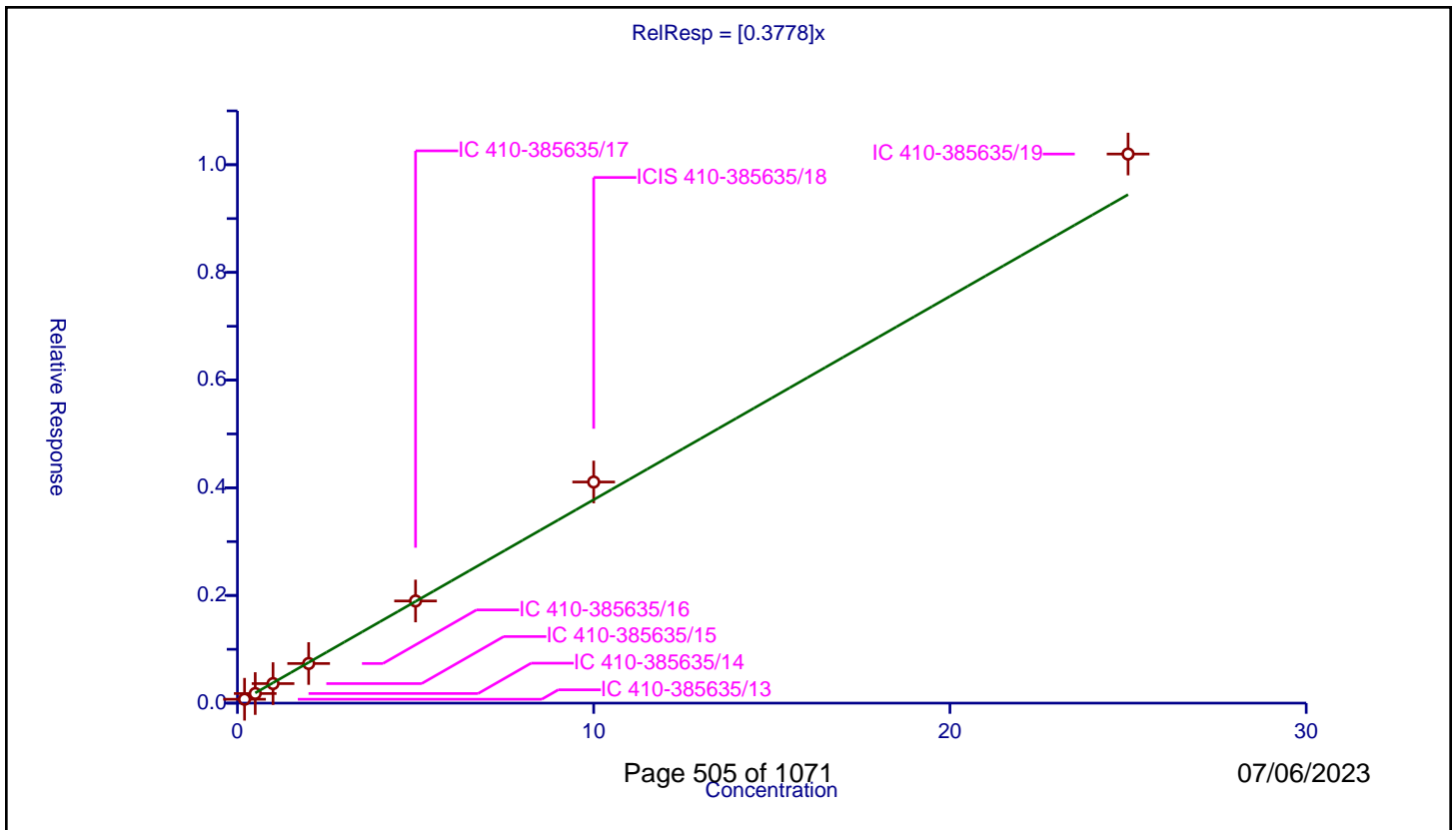
/ 2-Chloro-1,3-butadiene

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

Curve Coefficients	
Intercept:	0
Slope:	0.3778

Error Coefficients	
Standard Error:	1360000
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 410-385635/13	0.2	0.071818	10.0	2994368.0	0.359091	Y
2	IC 410-385635/14	0.5	0.178432	10.0	2941454.0	0.356864	Y
3	IC 410-385635/15	1.0	0.362715	10.0	2982641.0	0.362715	Y
4	IC 410-385635/16	2.0	0.735956	10.0	2890296.0	0.367978	Y
5	IC 410-385635/17	5.0	1.897384	10.0	2850114.0	0.379477	Y
6	ICIS 410-385635/18	10.0	4.106886	10.0	2941231.0	0.410689	Y
7	IC 410-385635/19	25.0	10.198373	10.0	2995262.0	0.407935	Y



Calibration

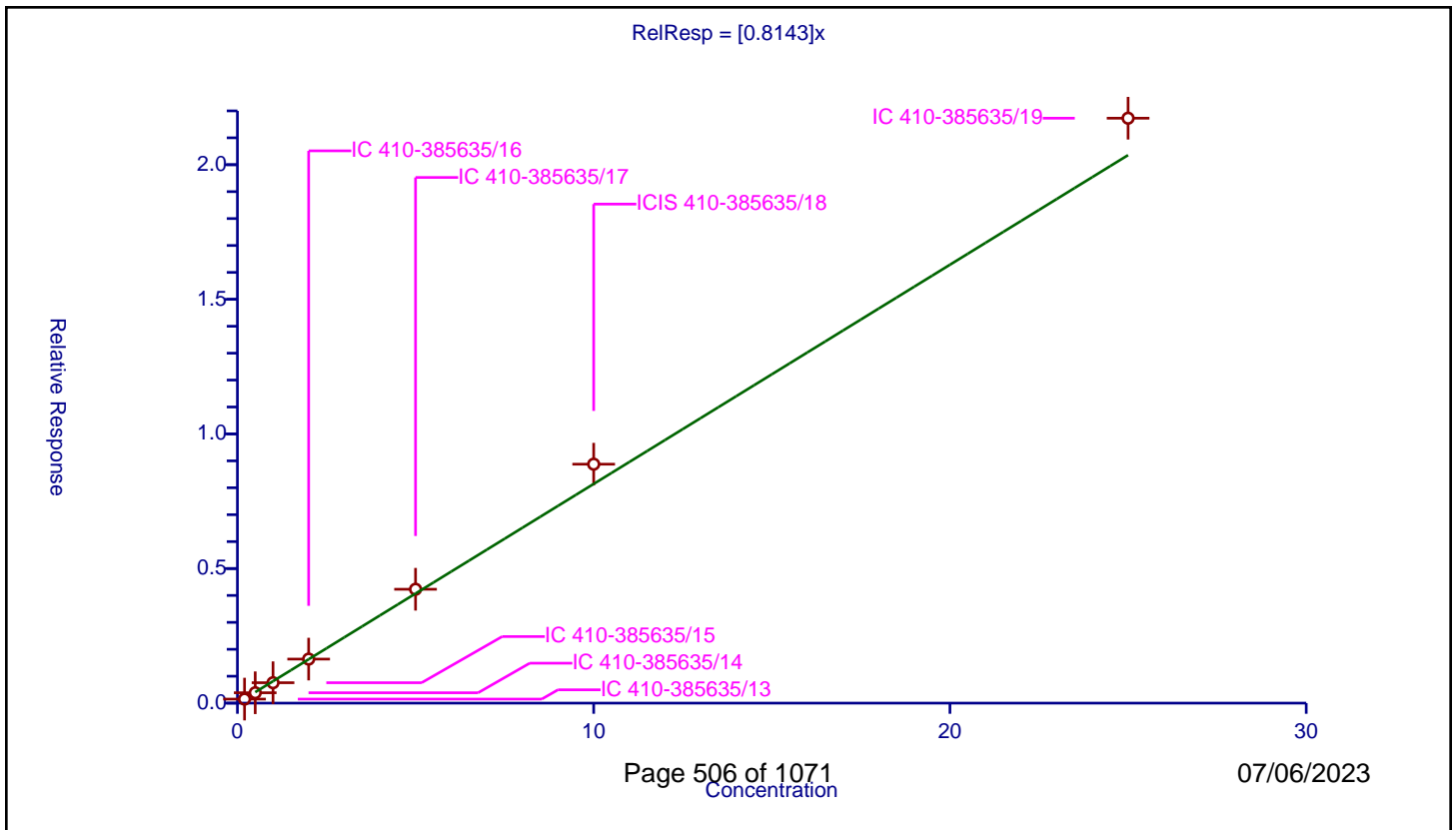
/ Tert-butyl ethyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.8143

Error Coefficients	
Standard Error:	2910000
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 410-385635/13	0.2	0.149978	10.0	2994368.0	0.749891	Y
2	IC 410-385635/14	0.5	0.385445	10.0	2941454.0	0.770891	Y
3	IC 410-385635/15	1.0	0.758264	10.0	2982641.0	0.758264	Y
4	IC 410-385635/16	2.0	1.636012	10.0	2890296.0	0.818006	Y
5	IC 410-385635/17	5.0	4.230497	10.0	2850114.0	0.846099	Y
6	ICIS 410-385635/18	10.0	8.876141	10.0	2941231.0	0.887614	Y
7	IC 410-385635/19	25.0	21.728073	10.0	2995262.0	0.869123	Y



Calibration

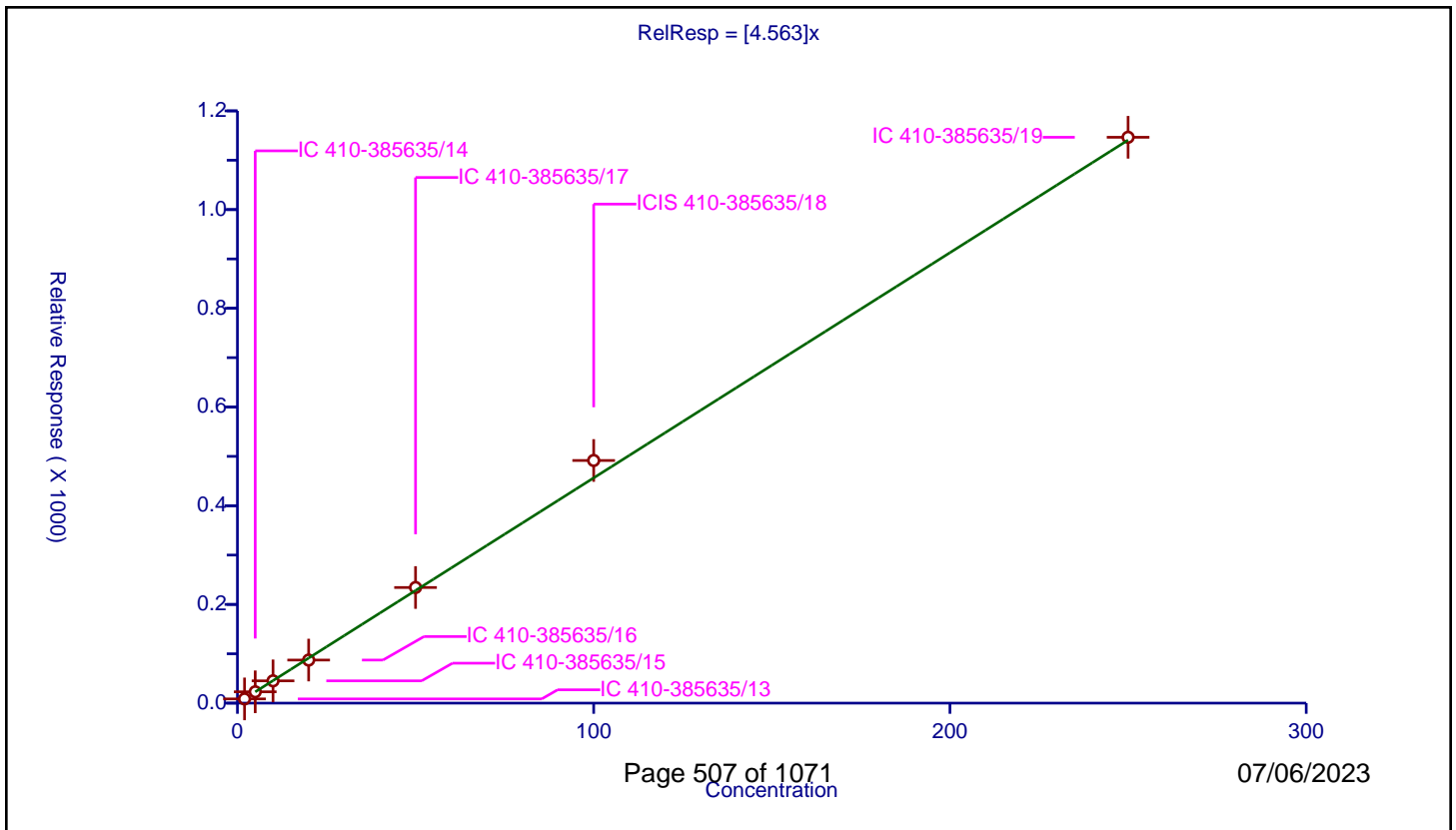
/ 2-Butanone (MEK)

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

Curve Coefficients	
Intercept:	0
Slope:	4.563

Error Coefficients	
Standard Error:	2380000
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 410-385635/13	2.0	8.568155	50.0	212111.0	4.284078	Y
2	IC 410-385635/14	5.0	22.970246	50.0	190762.0	4.594049	Y
3	IC 410-385635/15	10.0	45.137954	50.0	207968.0	4.513795	Y
4	IC 410-385635/16	20.0	87.273338	50.0	217339.0	4.363667	Y
5	IC 410-385635/17	50.0	234.268754	50.0	218244.0	4.685375	Y
6	ICIS 410-385635/18	100.0	491.669351	50.0	220415.0	4.916694	Y
7	IC 410-385635/19	250.0	1146.545095	50.0	231222.0	4.58618	Y



Calibration

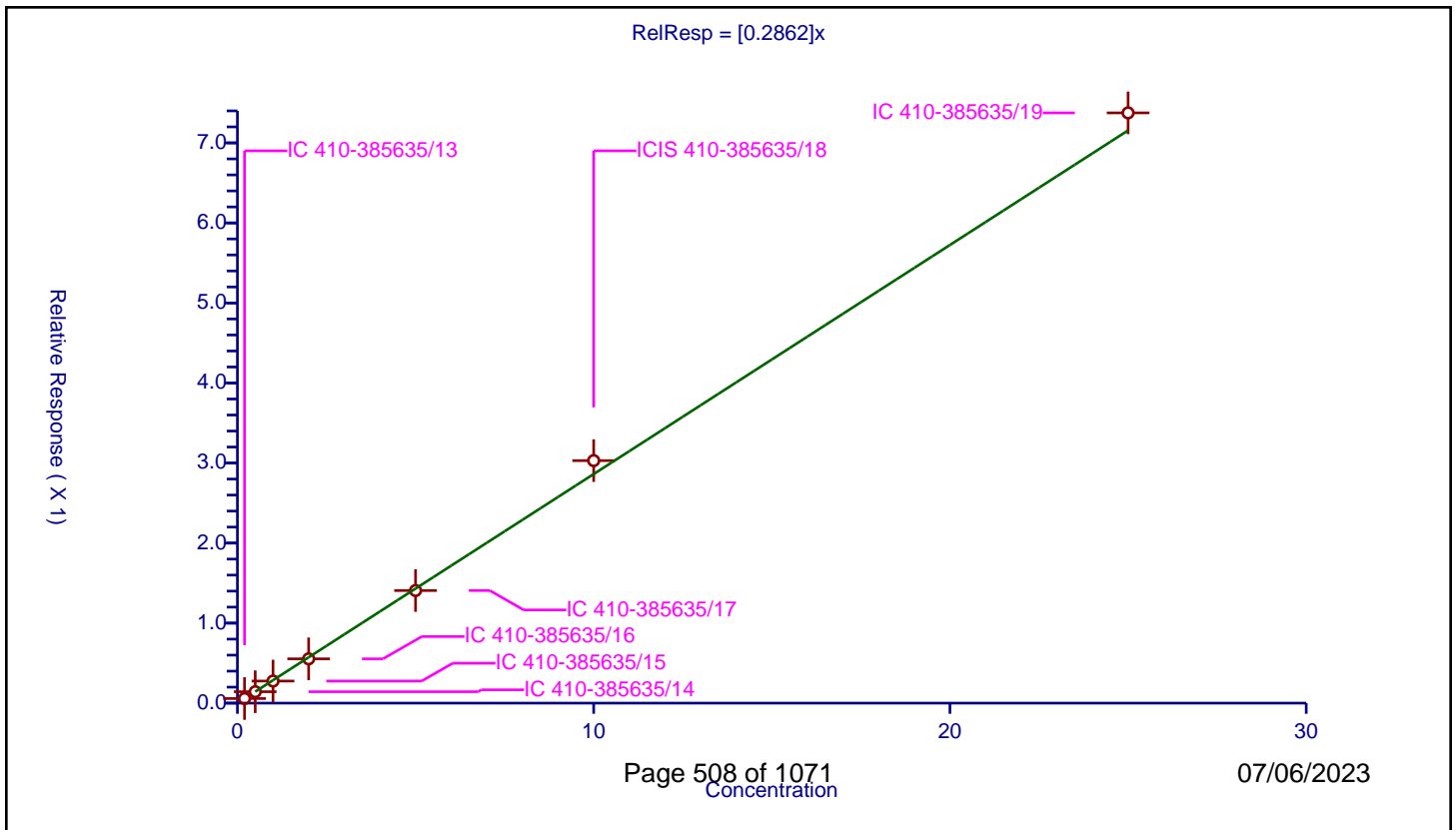
/ cis-1,2-Dichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.2862

Error Coefficients	
Standard Error:	989000
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 410-385635/13	0.2	0.057281	10.0	2994368.0	0.286404	Y
2	IC 410-385635/14	0.5	0.142487	10.0	2941454.0	0.284975	Y
3	IC 410-385635/15	1.0	0.275943	10.0	2982641.0	0.275943	Y
4	IC 410-385635/16	2.0	0.553632	10.0	2890296.0	0.276816	Y
5	IC 410-385635/17	5.0	1.406933	10.0	2850114.0	0.281387	Y
6	ICIS 410-385635/18	10.0	3.030313	10.0	2941231.0	0.303031	Y
7	IC 410-385635/19	25.0	7.375178	10.0	2995262.0	0.295007	Y



Calibration

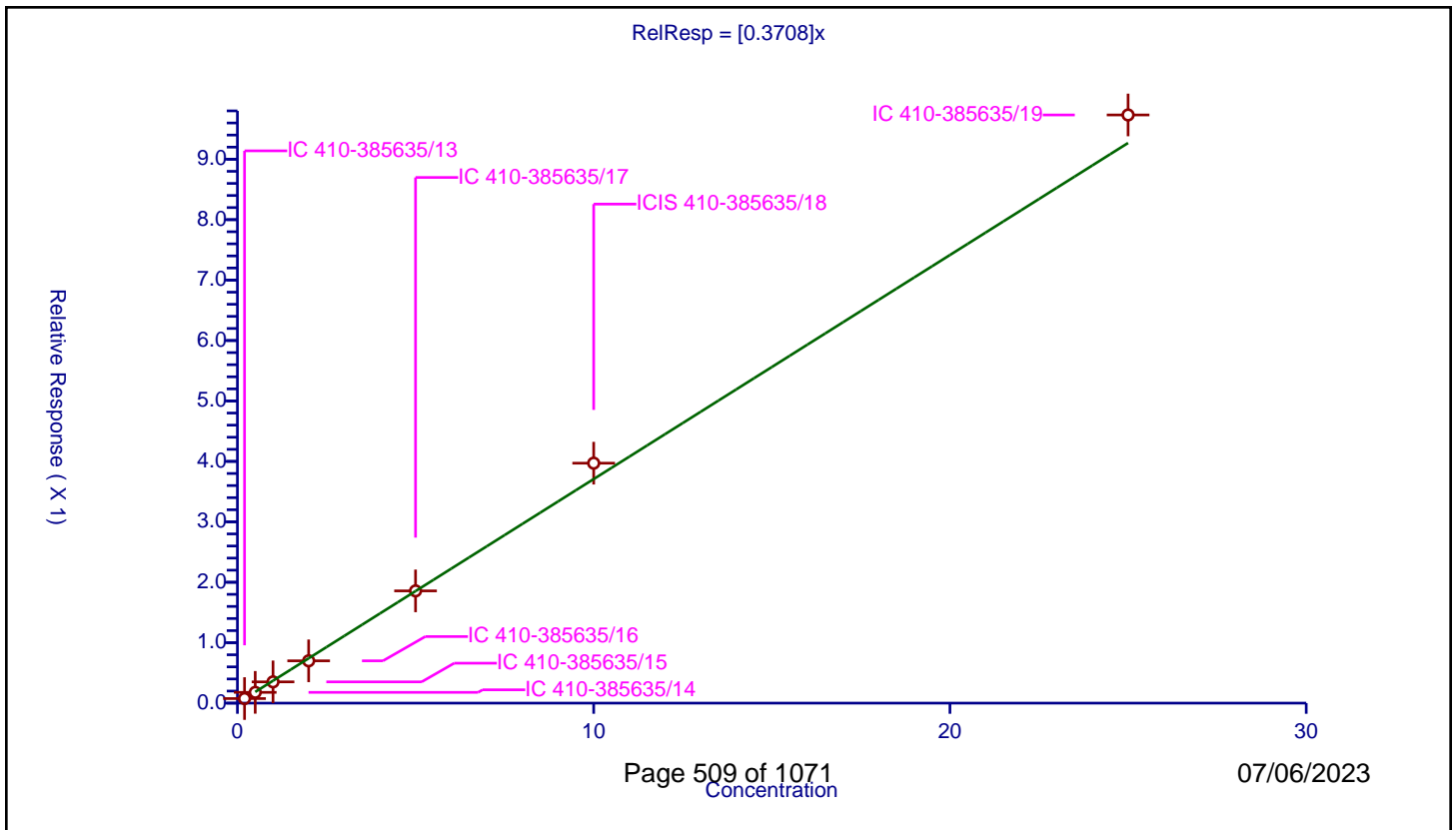
/ 2,2-Dichloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3708

Error Coefficients	
Standard Error:	1300000
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 410-385635/13	0.2	0.075766	10.0	2994368.0	0.378828	Y
2	IC 410-385635/14	0.5	0.178259	10.0	2941454.0	0.356518	Y
3	IC 410-385635/15	1.0	0.35202	10.0	2982641.0	0.35202	Y
4	IC 410-385635/16	2.0	0.700243	10.0	2890296.0	0.350122	Y
5	IC 410-385635/17	5.0	1.857301	10.0	2850114.0	0.37146	Y
6	ICIS 410-385635/18	10.0	3.970742	10.0	2941231.0	0.397074	Y
7	IC 410-385635/19	25.0	9.732404	10.0	2995262.0	0.389296	Y



Calibration

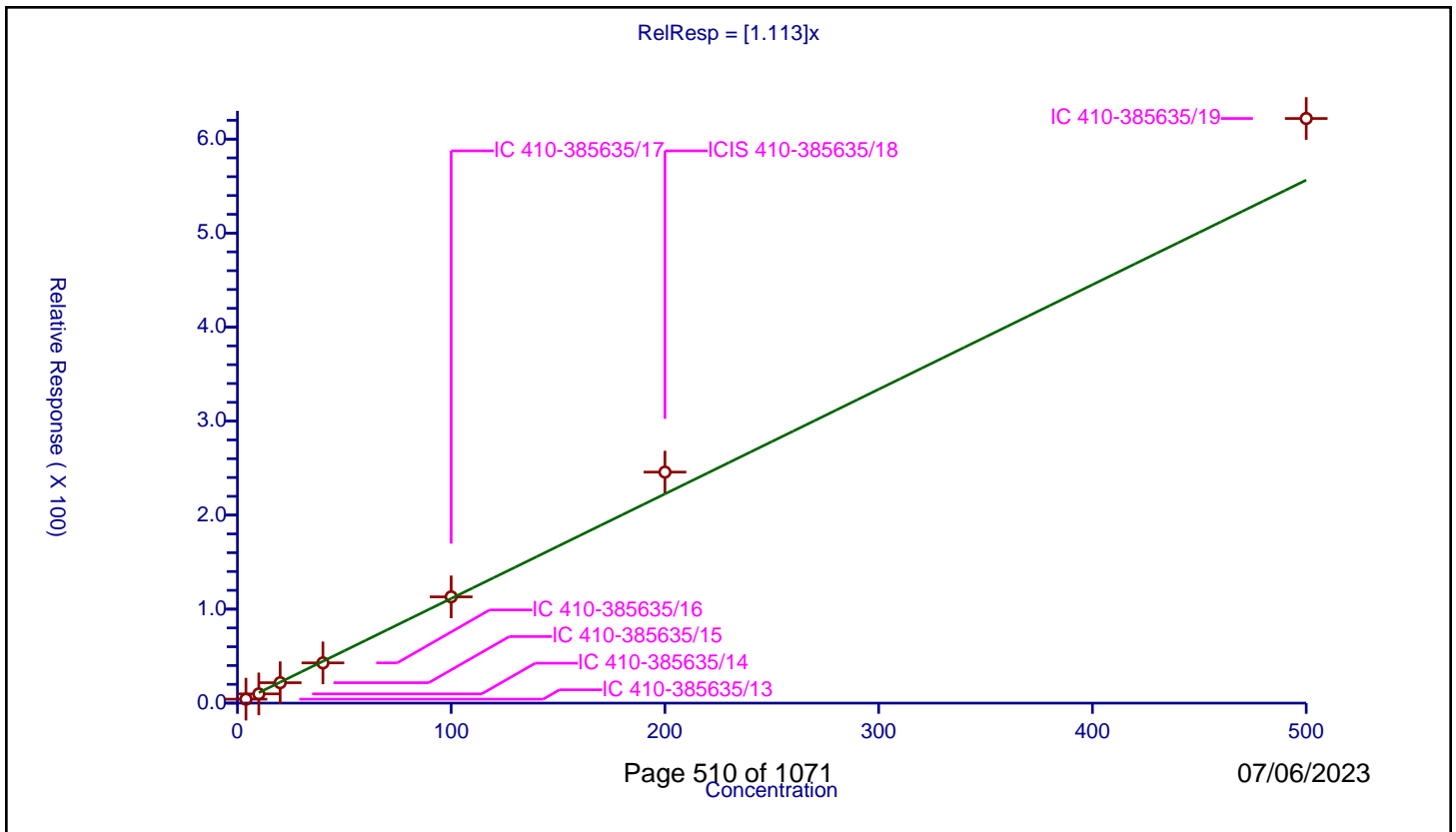
/ Propionitrile

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

Curve Coefficients	
Intercept:	0
Slope:	1.113

Error Coefficients	
Standard Error:	1270000
Relative Standard Error:	8.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	4.0	4.196623	50.0	212111.0	1.049156	Y
2	IC 410-385635/14	10.0	9.818779	50.0	190762.0	0.981878	Y
3	IC 410-385635/15	20.0	21.70382	50.0	207968.0	1.085191	Y
4	IC 410-385635/16	40.0	42.806169	50.0	217339.0	1.070154	Y
5	IC 410-385635/17	100.0	113.037243	50.0	218244.0	1.130372	Y
6	ICIS 410-385635/18	200.0	245.77615	50.0	220415.0	1.228881	Y
7	IC 410-385635/19	500.0	621.919195	50.0	231222.0	1.243838	Y



Calibration

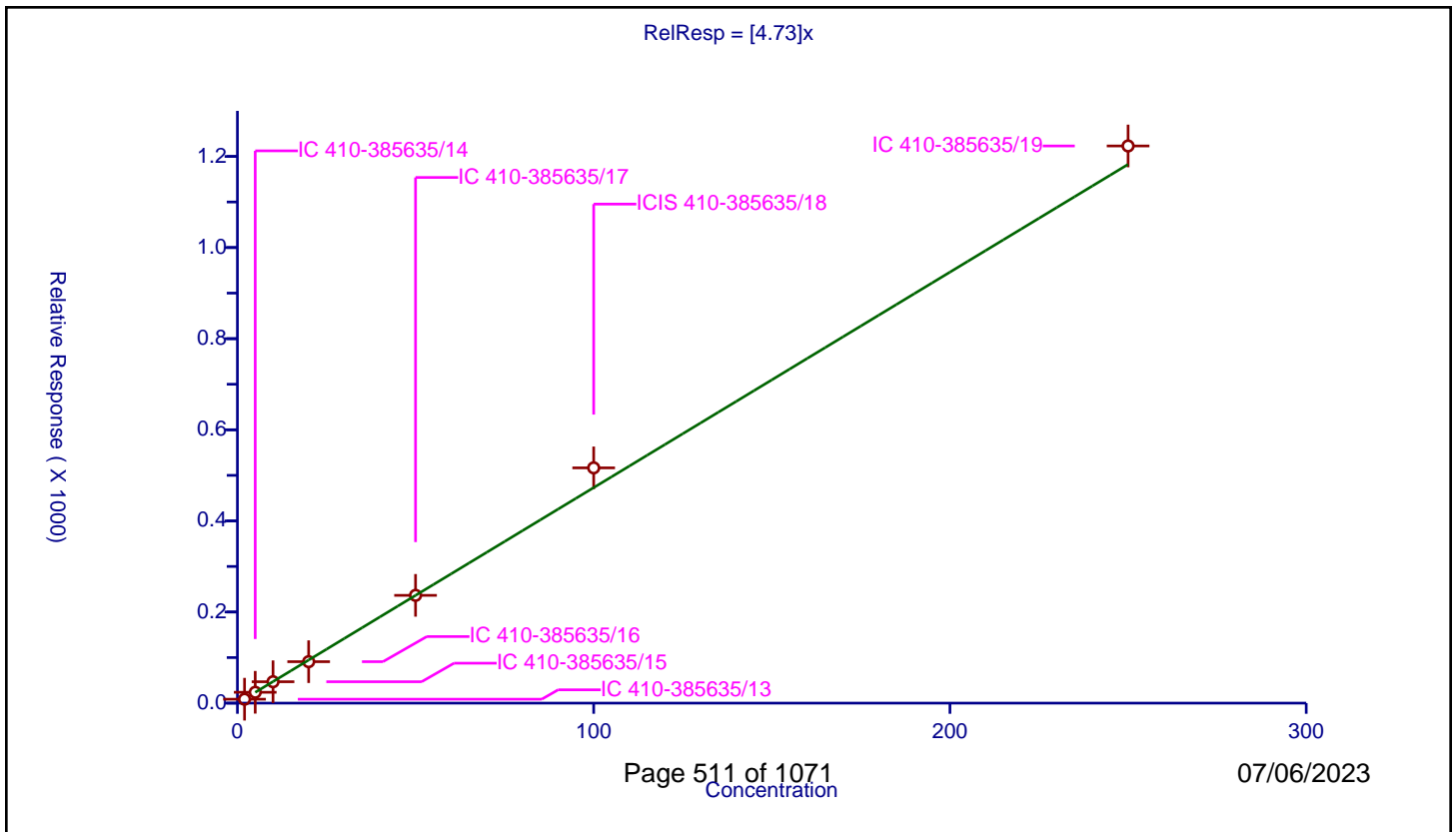
/ Methacrylonitrile

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

Curve Coefficients	
Intercept:	0
Slope:	4.73

Error Coefficients	
Standard Error:	2530000
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 410-385635/13	2.0	8.625437	50.0	212111.0	4.312718	Y
2	IC 410-385635/14	5.0	23.837819	50.0	190762.0	4.767564	Y
3	IC 410-385635/15	10.0	46.959388	50.0	207968.0	4.695939	Y
4	IC 410-385635/16	20.0	90.970097	50.0	217339.0	4.548505	Y
5	IC 410-385635/17	50.0	236.57466	50.0	218244.0	4.731493	Y
6	ICIS 410-385635/18	100.0	516.448744	50.0	220415.0	5.164487	Y
7	IC 410-385635/19	250.0	1222.986567	50.0	231222.0	4.891946	Y



Calibration

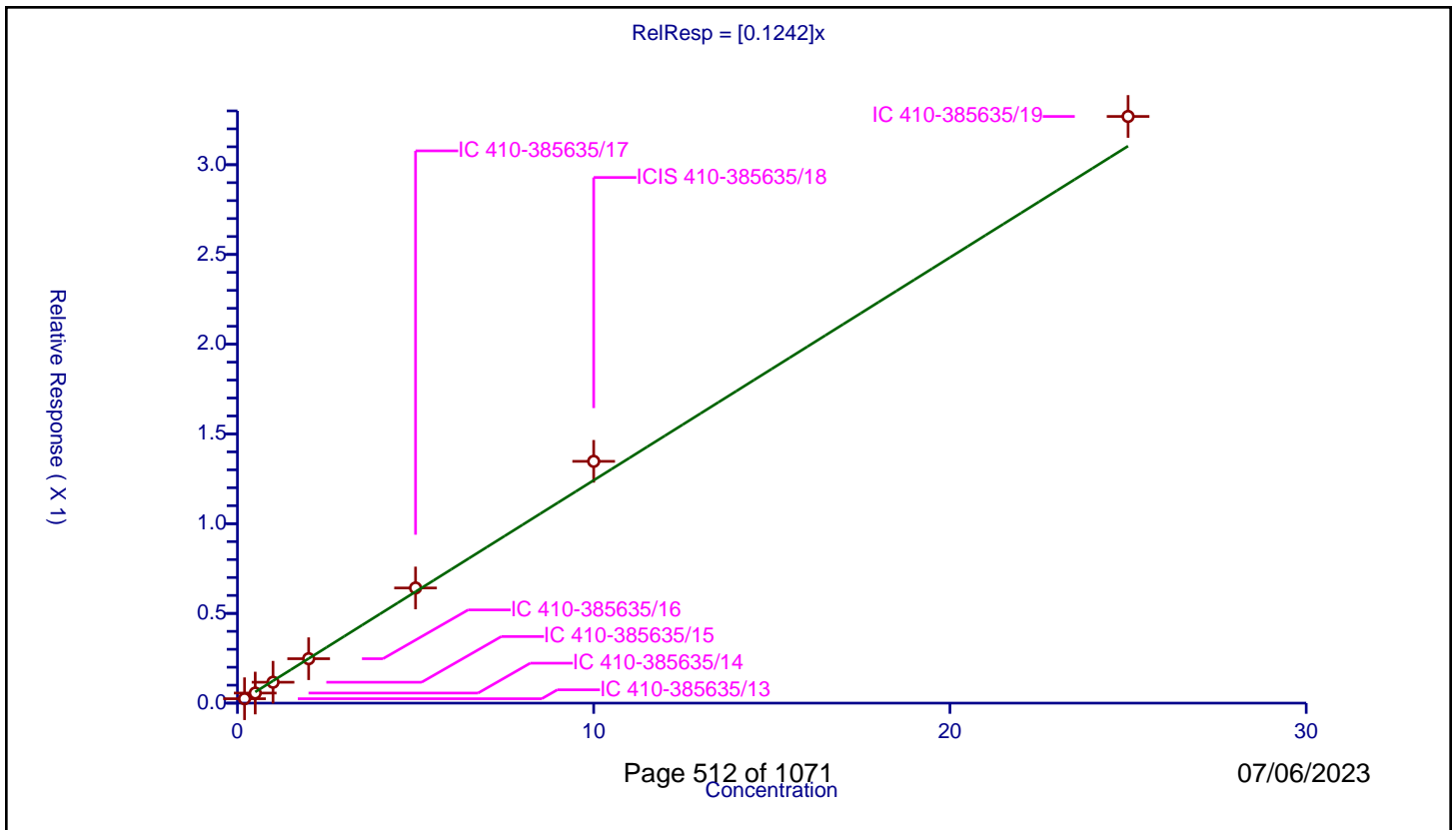
/ Chlorobromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.1242

Error Coefficients	
Standard Error:	439000
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 410-385635/13	0.2	0.024539	10.0	2994368.0	0.122697	Y
2	IC 410-385635/14	0.5	0.056193	10.0	2941454.0	0.112387	Y
3	IC 410-385635/15	1.0	0.116471	10.0	2982641.0	0.116471	Y
4	IC 410-385635/16	2.0	0.247473	10.0	2890296.0	0.123736	Y
5	IC 410-385635/17	5.0	0.64168	10.0	2850114.0	0.128336	Y
6	ICIS 410-385635/18	10.0	1.347242	10.0	2941231.0	0.134724	Y
7	IC 410-385635/19	25.0	3.268996	10.0	2995262.0	0.13076	Y



Calibration

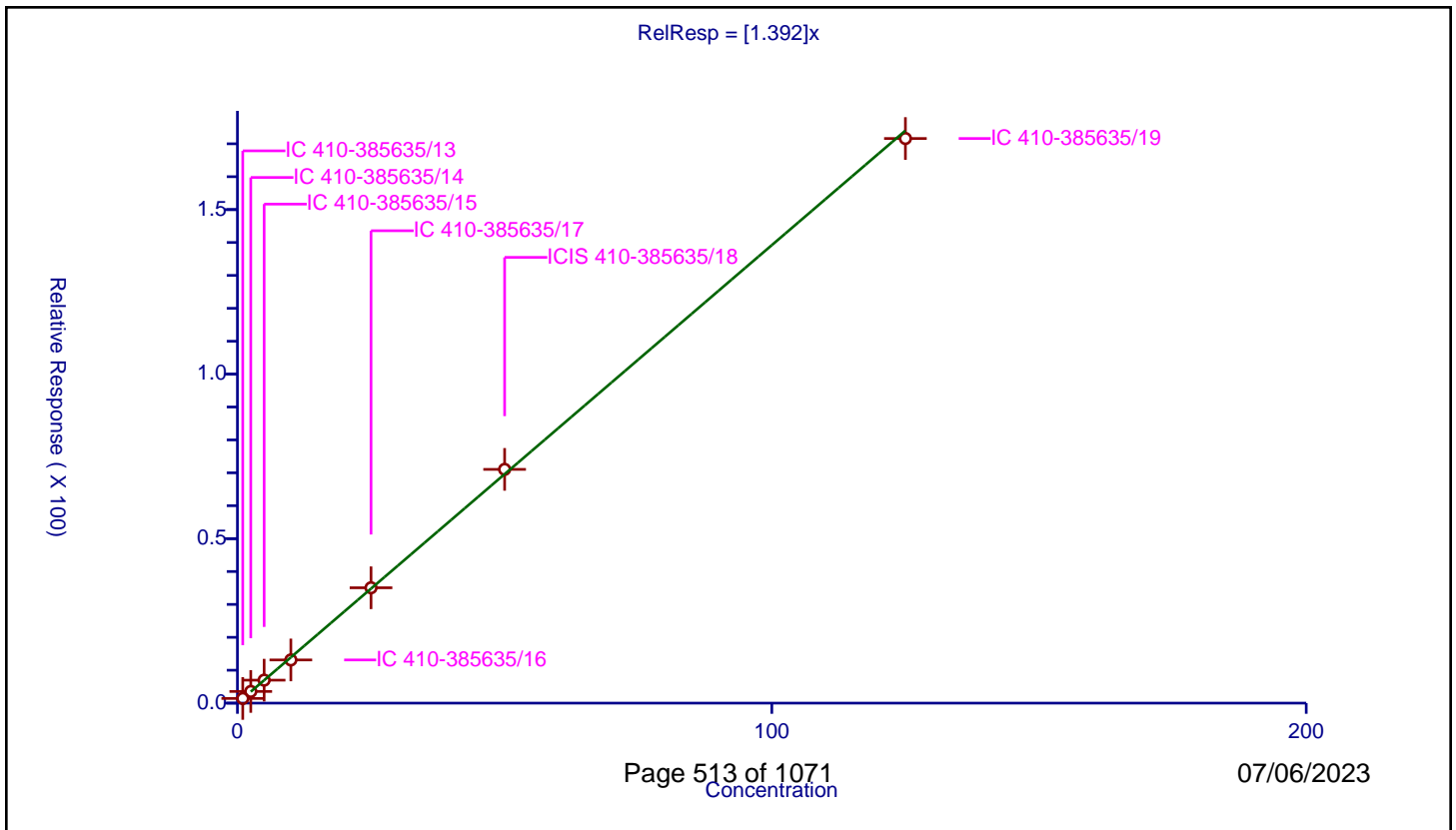
/ Tetrahydrofuran

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

Curve Coefficients	
Intercept:	0
Slope:	1.392

Error Coefficients	
Standard Error:	355000
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 410-385635/13	1.0	1.418125	50.0	212111.0	1.418125	Y
2	IC 410-385635/14	2.5	3.55207	50.0	190762.0	1.420828	Y
3	IC 410-385635/15	5.0	6.981122	50.0	207968.0	1.396224	Y
4	IC 410-385635/16	10.0	13.125578	50.0	217339.0	1.312558	Y
5	IC 410-385635/17	25.0	35.061445	50.0	218244.0	1.402458	Y
6	ICIS 410-385635/18	50.0	71.044847	50.0	220415.0	1.420897	Y
7	IC 410-385635/19	125.0	171.603264	50.0	231222.0	1.372826	Y



Calibration

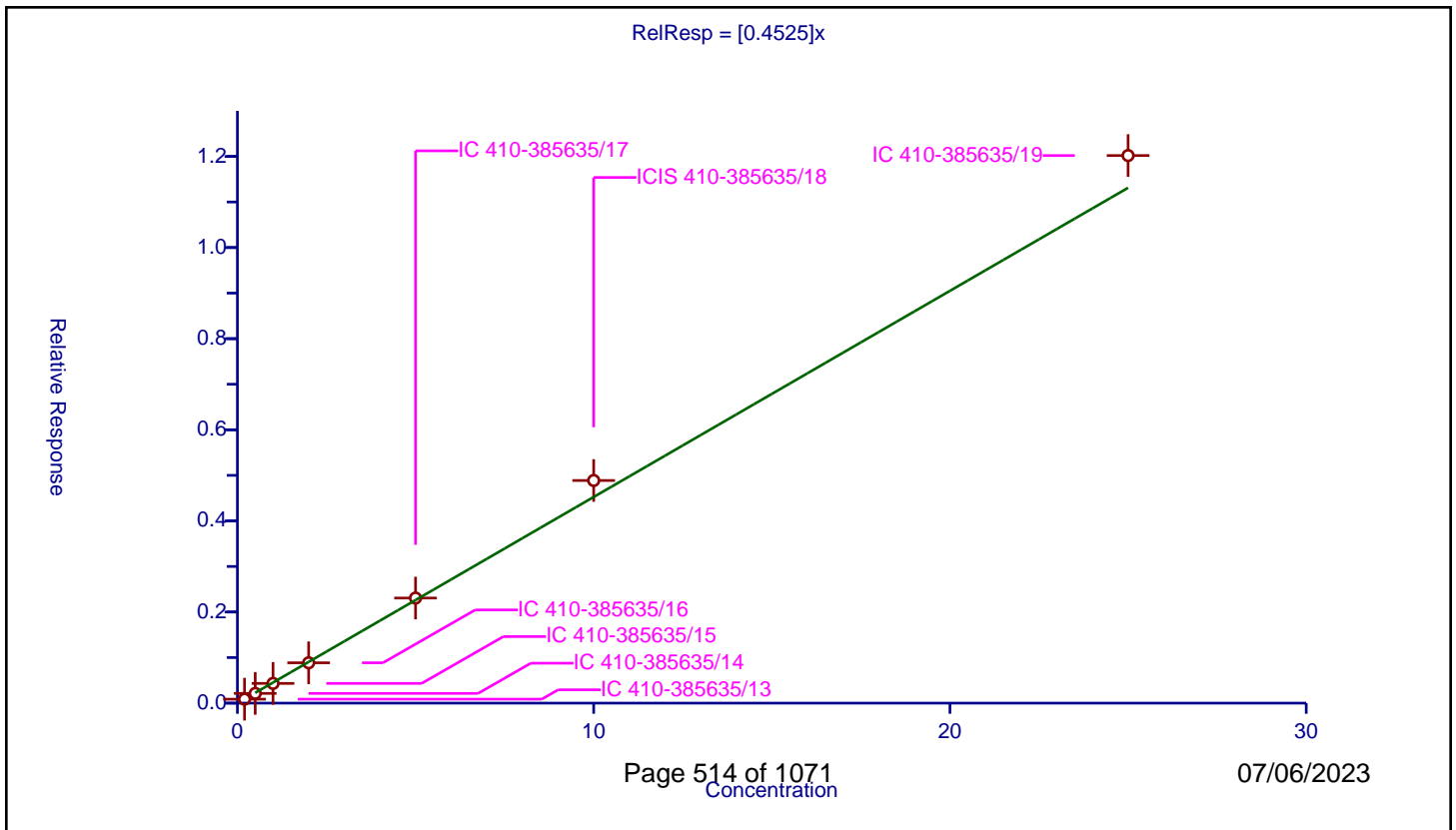
/ Chloroform

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

Curve Coefficients	
Intercept:	0
Slope:	0.4525

Error Coefficients	
Standard Error:	1610000
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 410-385635/13	0.2	0.086616	10.0	2994368.0	0.43308	Y
2	IC 410-385635/14	0.5	0.213874	10.0	2941454.0	0.427748	Y
3	IC 410-385635/15	1.0	0.432949	10.0	2982641.0	0.432949	Y
4	IC 410-385635/16	2.0	0.885466	10.0	2890296.0	0.442733	Y
5	IC 410-385635/17	5.0	2.306662	10.0	2850114.0	0.461332	Y
6	ICIS 410-385635/18	10.0	4.887056	10.0	2941231.0	0.488706	Y
7	IC 410-385635/19	25.0	12.019376	10.0	2995262.0	0.480775	Y



Calibration

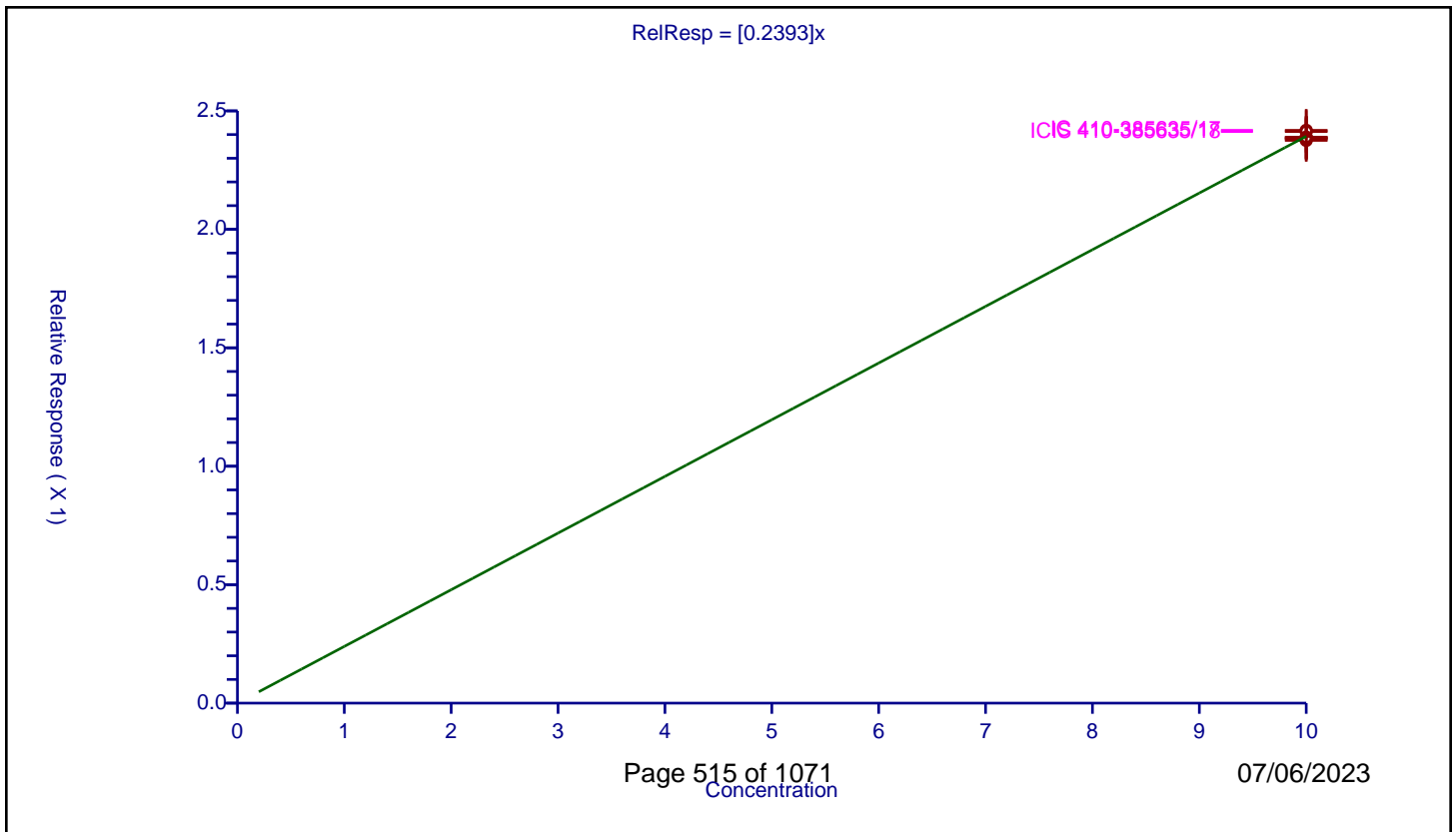
/ Dibromofluoromethane (Surr)

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

Curve Coefficients	
Intercept:	0
Slope:	0.2393

Error Coefficients	
Standard Error:	760000
Relative Standard Error:	0.7
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	10.0	2.389139	10.0	2994368.0	0.238914	Y
2	IC 410-385635/14	10.0	2.387132	10.0	2941454.0	0.238713	Y
3	IC 410-385635/15	10.0	2.375438	10.0	2982641.0	0.237544	Y
4	IC 410-385635/16	10.0	2.384396	10.0	2890296.0	0.23844	Y
5	IC 410-385635/17	10.0	2.417858	10.0	2850114.0	0.241786	Y
6	ICIS 410-385635/18	10.0	2.412884	10.0	2941231.0	0.241288	Y
7	IC 410-385635/19	10.0	2.381091	10.0	2995262.0	0.238109	Y



Calibration

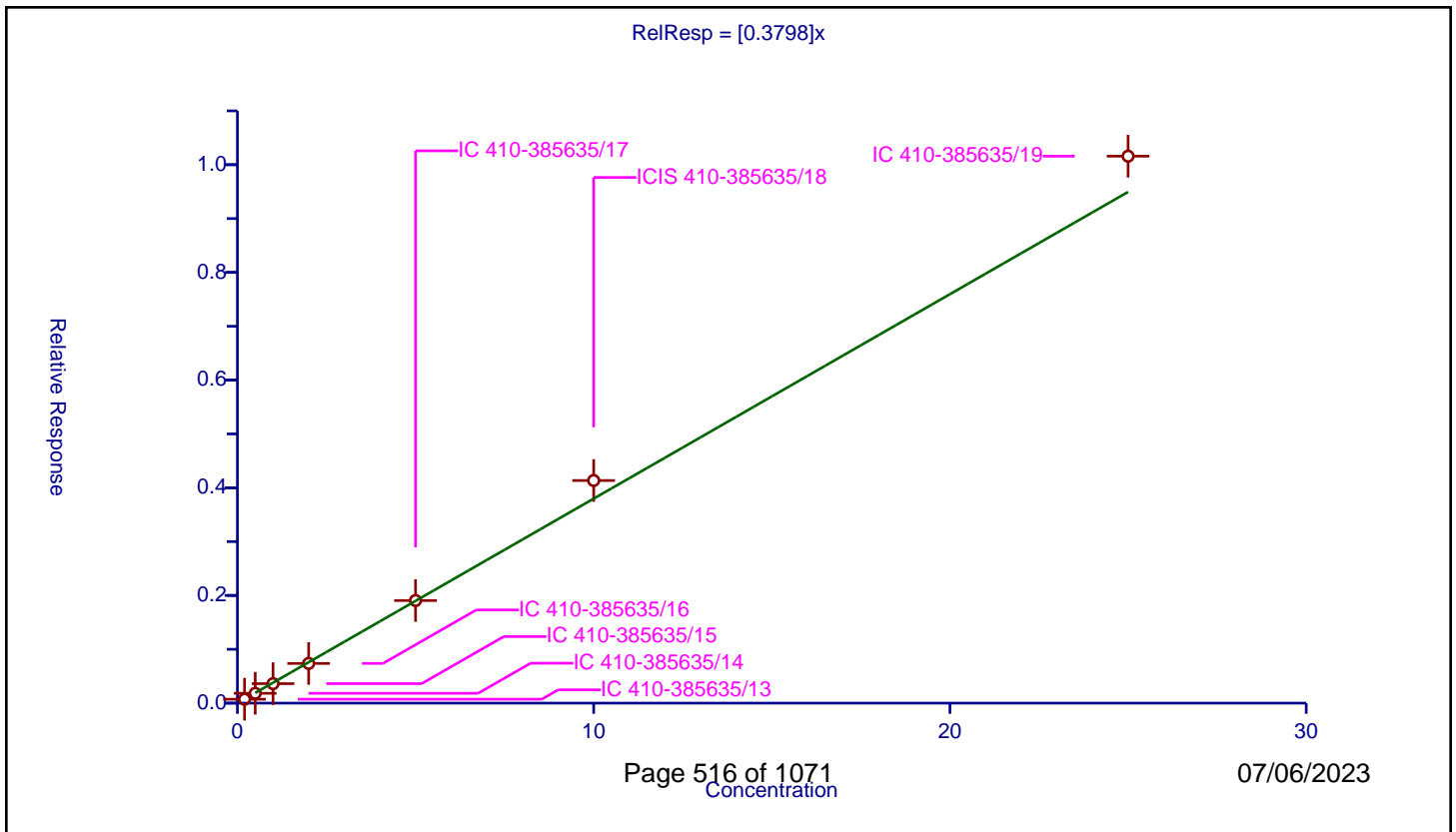
/ 1,1,1-Trichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3798

Error Coefficients	
Standard Error:	1360000
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 410-385635/13	0.2	0.072239	10.0	2994368.0	0.361195	Y
2	IC 410-385635/14	0.5	0.18278	10.0	2941454.0	0.365561	Y
3	IC 410-385635/15	1.0	0.362048	10.0	2982641.0	0.362048	Y
4	IC 410-385635/16	2.0	0.737488	10.0	2890296.0	0.368744	Y
5	IC 410-385635/17	5.0	1.905776	10.0	2850114.0	0.381155	Y
6	ICIS 410-385635/18	10.0	4.134725	10.0	2941231.0	0.413472	Y
7	IC 410-385635/19	25.0	10.158477	10.0	2995262.0	0.406339	Y



Calibration

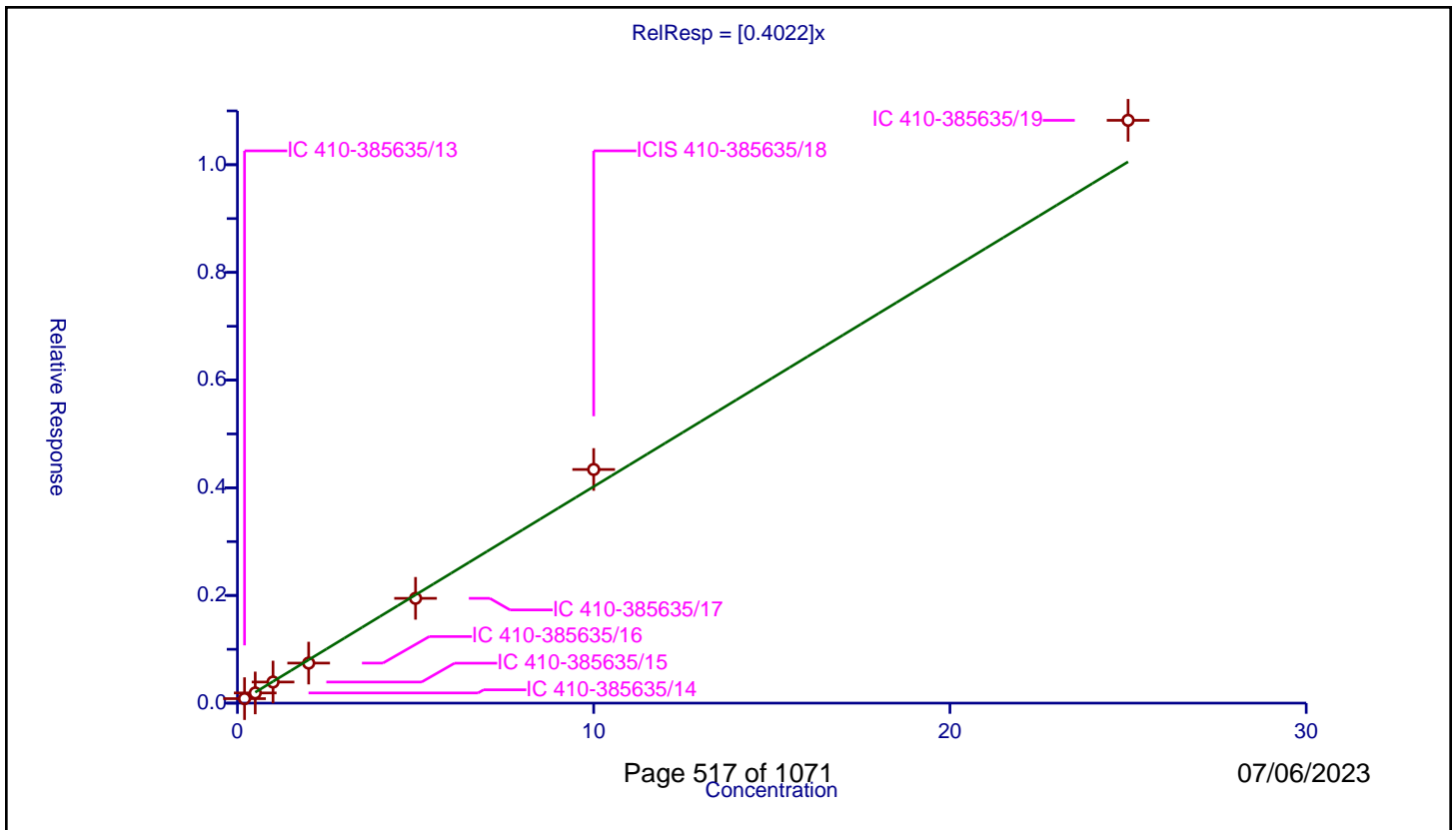
/ Cyclohexane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4022

Error Coefficients	
Standard Error:	1440000
Relative Standard Error:	6.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.08344	10.0	2994368.0	0.4172	Y
2	IC 410-385635/14	0.5	0.189005	10.0	2941454.0	0.37801	Y
3	IC 410-385635/15	1.0	0.391975	10.0	2982641.0	0.391975	Y
4	IC 410-385635/16	2.0	0.743664	10.0	2890296.0	0.371832	Y
5	IC 410-385635/17	5.0	1.94634	10.0	2850114.0	0.389268	Y
6	ICIS 410-385635/18	10.0	4.339499	10.0	2941231.0	0.43395	Y
7	IC 410-385635/19	25.0	10.82505	10.0	2995262.0	0.433002	Y



Calibration

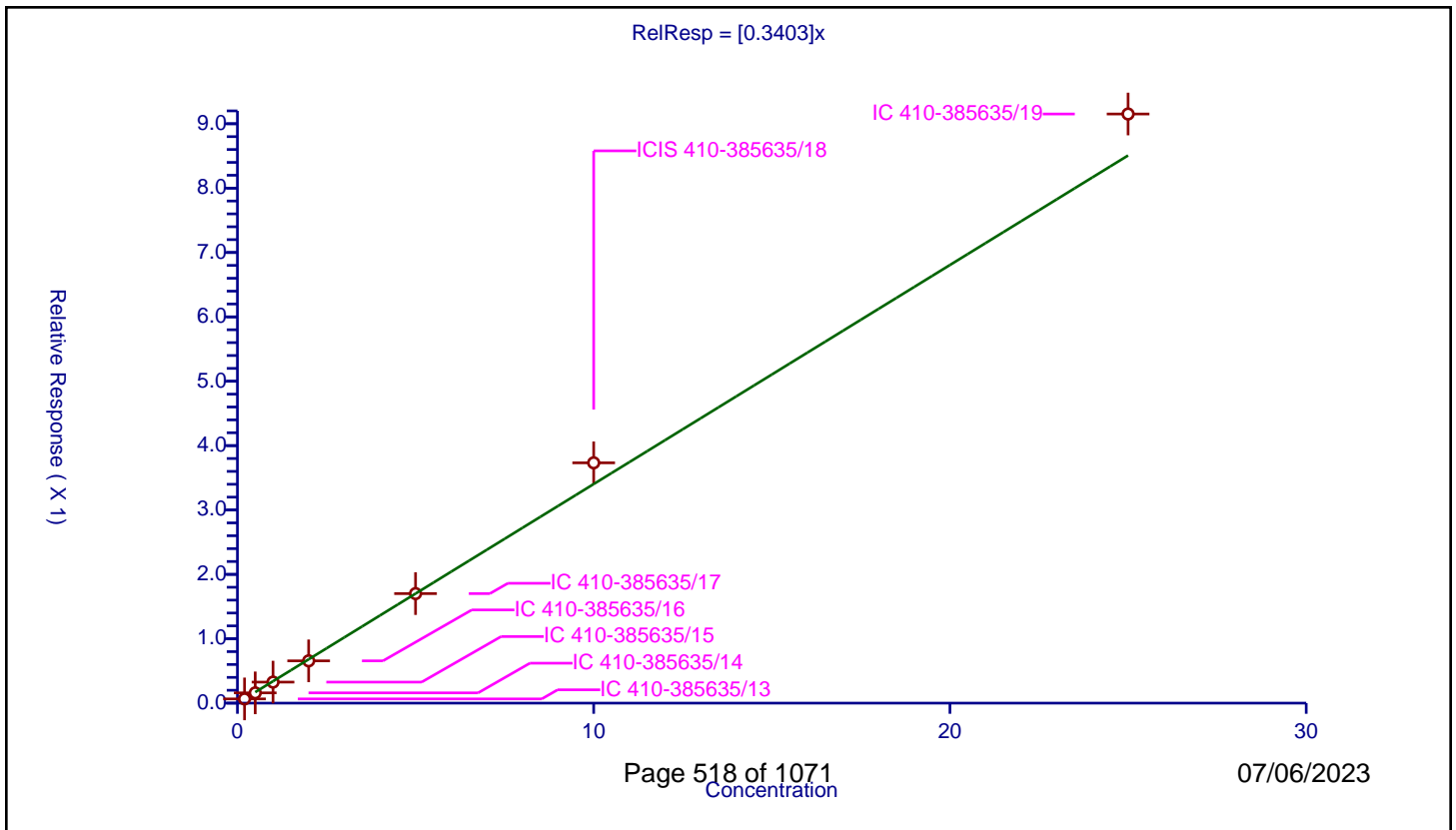
/ 1,1-Dichloropropene

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

Curve Coefficients	
Intercept:	0
Slope:	0.3403

Error Coefficients	
Standard Error:	1220000
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 410-385635/13	0.2	0.06565	10.0	2994368.0	0.32825	Y
2	IC 410-385635/14	0.5	0.159537	10.0	2941454.0	0.319073	Y
3	IC 410-385635/15	1.0	0.32668	10.0	2982641.0	0.32668	Y
4	IC 410-385635/16	2.0	0.656933	10.0	2890296.0	0.328466	Y
5	IC 410-385635/17	5.0	1.701441	10.0	2850114.0	0.340288	Y
6	ICIS 410-385635/18	10.0	3.732944	10.0	2941231.0	0.373294	Y
7	IC 410-385635/19	25.0	9.151787	10.0	2995262.0	0.366071	Y



Calibration

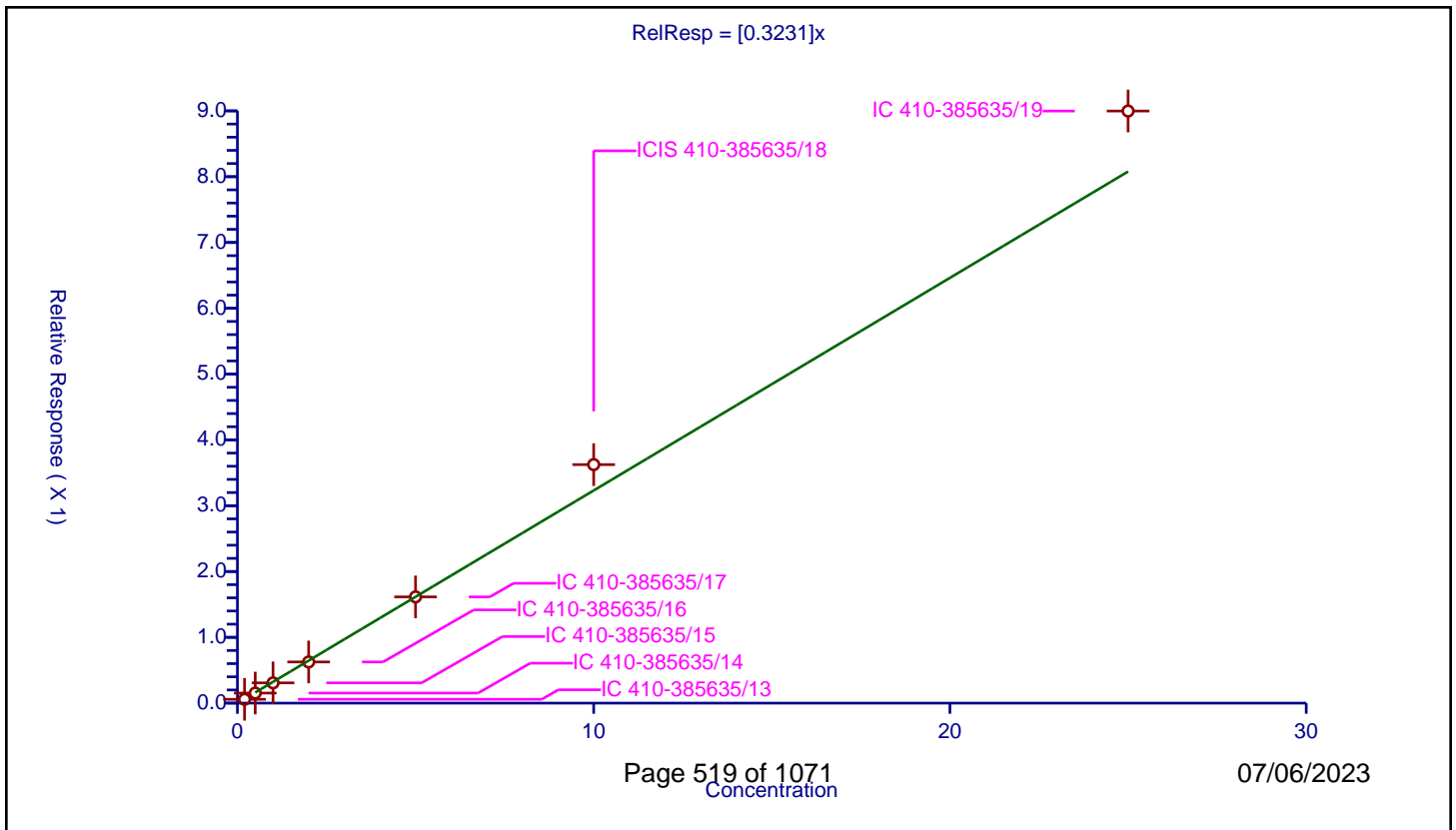
/ Carbon tetrachloride

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

Curve Coefficients	
Intercept:	0
Slope:	0.3231

Error Coefficients	
Standard Error:	1200000
Relative Standard Error:	8.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.058092	10.0	2994368.0	0.290462	Y
2	IC 410-385635/14	0.5	0.15287	10.0	2941454.0	0.30574	Y
3	IC 410-385635/15	1.0	0.307657	10.0	2982641.0	0.307657	Y
4	IC 410-385635/16	2.0	0.625573	10.0	2890296.0	0.312786	Y
5	IC 410-385635/17	5.0	1.614423	10.0	2850114.0	0.322885	Y
6	ICIS 410-385635/18	10.0	3.624676	10.0	2941231.0	0.362468	Y
7	IC 410-385635/19	25.0	8.997987	10.0	2995262.0	0.359919	Y



Calibration

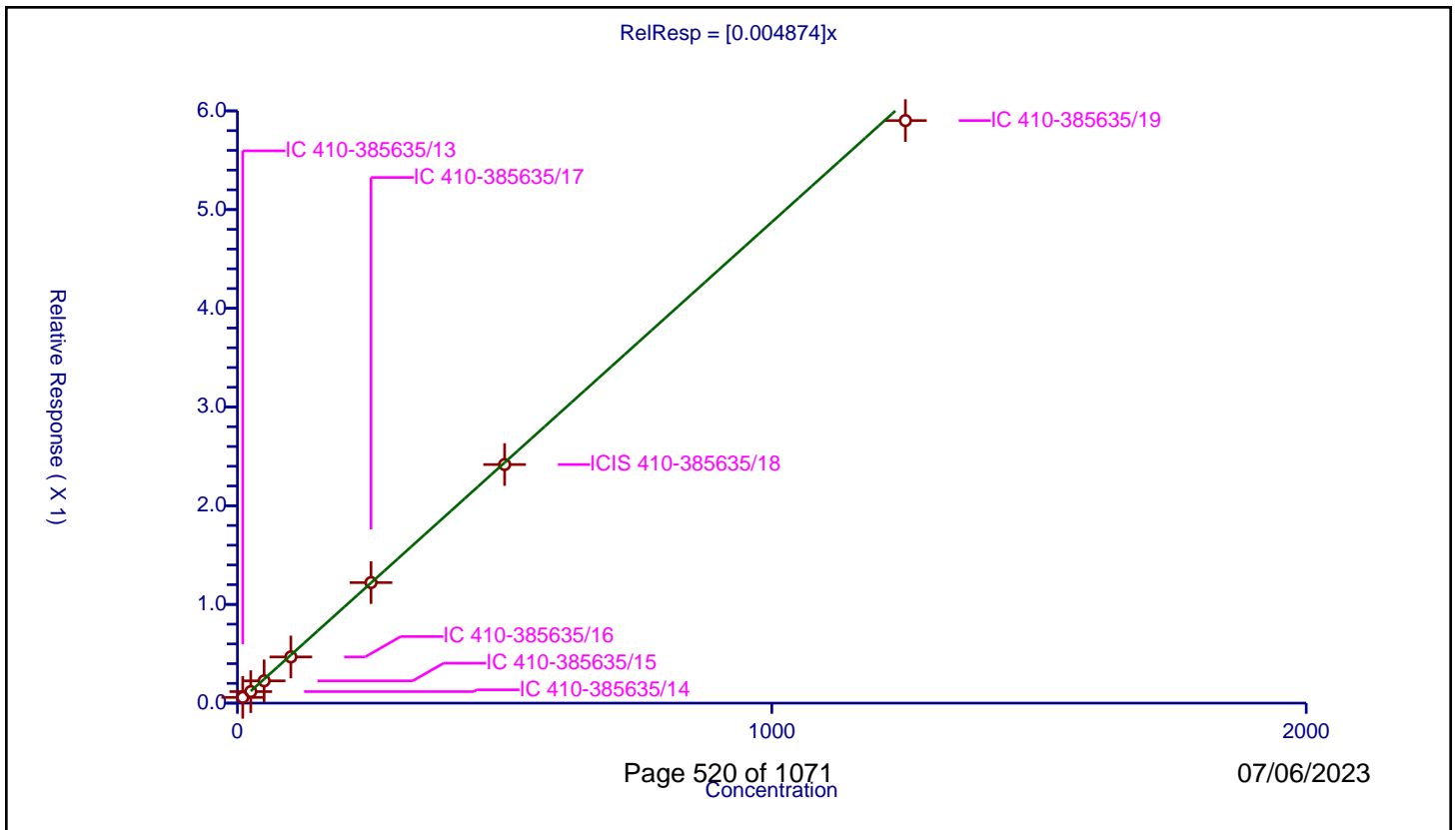
/ Isobutyl alcohol

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

Curve Coefficients	
Intercept:	0
Slope:	0.004874

Error Coefficients	
Standard Error:	793000
Relative Standard Error:	8.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	10.0	0.058112	10.0	2994368.0	0.005811	Y
2	IC 410-385635/14	25.0	0.116759	10.0	2941454.0	0.00467	Y
3	IC 410-385635/15	50.0	0.225589	10.0	2982641.0	0.004512	Y
4	IC 410-385635/16	100.0	0.468039	10.0	2890296.0	0.00468	Y
5	IC 410-385635/17	250.0	1.221291	10.0	2850114.0	0.004885	Y
6	ICIS 410-385635/18	500.0	2.417141	10.0	2941231.0	0.004834	Y
7	IC 410-385635/19	1250.0	5.901891	10.0	2995262.0	0.004722	Y



Calibration

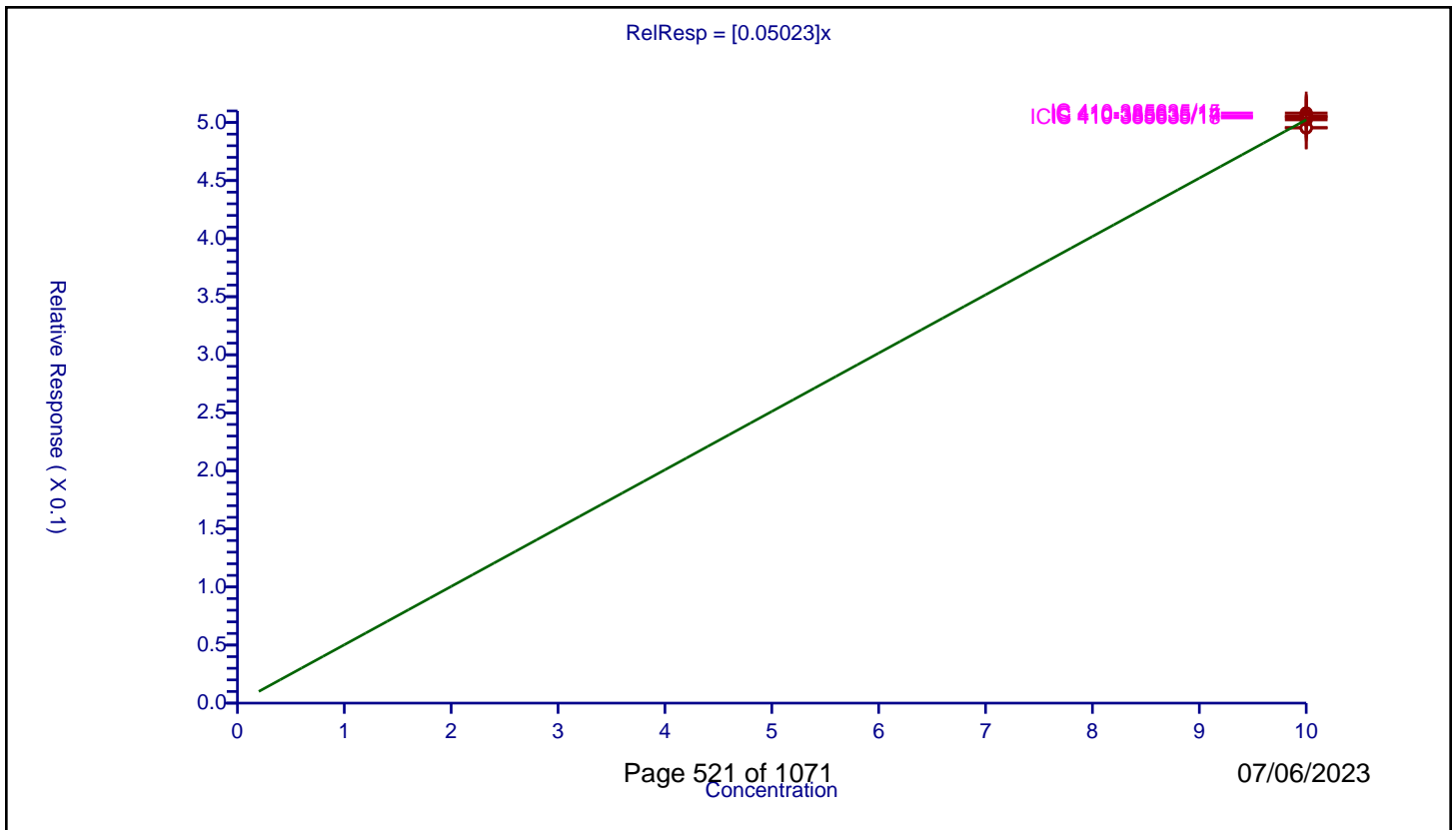
/ 1,2-Dichloroethane-d4 (Surr)

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

Curve Coefficients	
Intercept:	0
Slope:	0.05023

Error Coefficients	
Standard Error:	160000
Relative Standard Error:	1.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	10.0	0.502233	10.0	2994368.0	0.050223	Y
2	IC 410-385635/14	10.0	0.506029	10.0	2941454.0	0.050603	Y
3	IC 410-385635/15	10.0	0.508254	10.0	2982641.0	0.050825	Y
4	IC 410-385635/16	10.0	0.495728	10.0	2890296.0	0.049573	Y
5	IC 410-385635/17	10.0	0.50499	10.0	2850114.0	0.050499	Y
6	ICIS 410-385635/18	10.0	0.503901	10.0	2941231.0	0.05039	Y
7	IC 410-385635/19	10.0	0.495215	10.0	2995262.0	0.049522	Y



Calibration

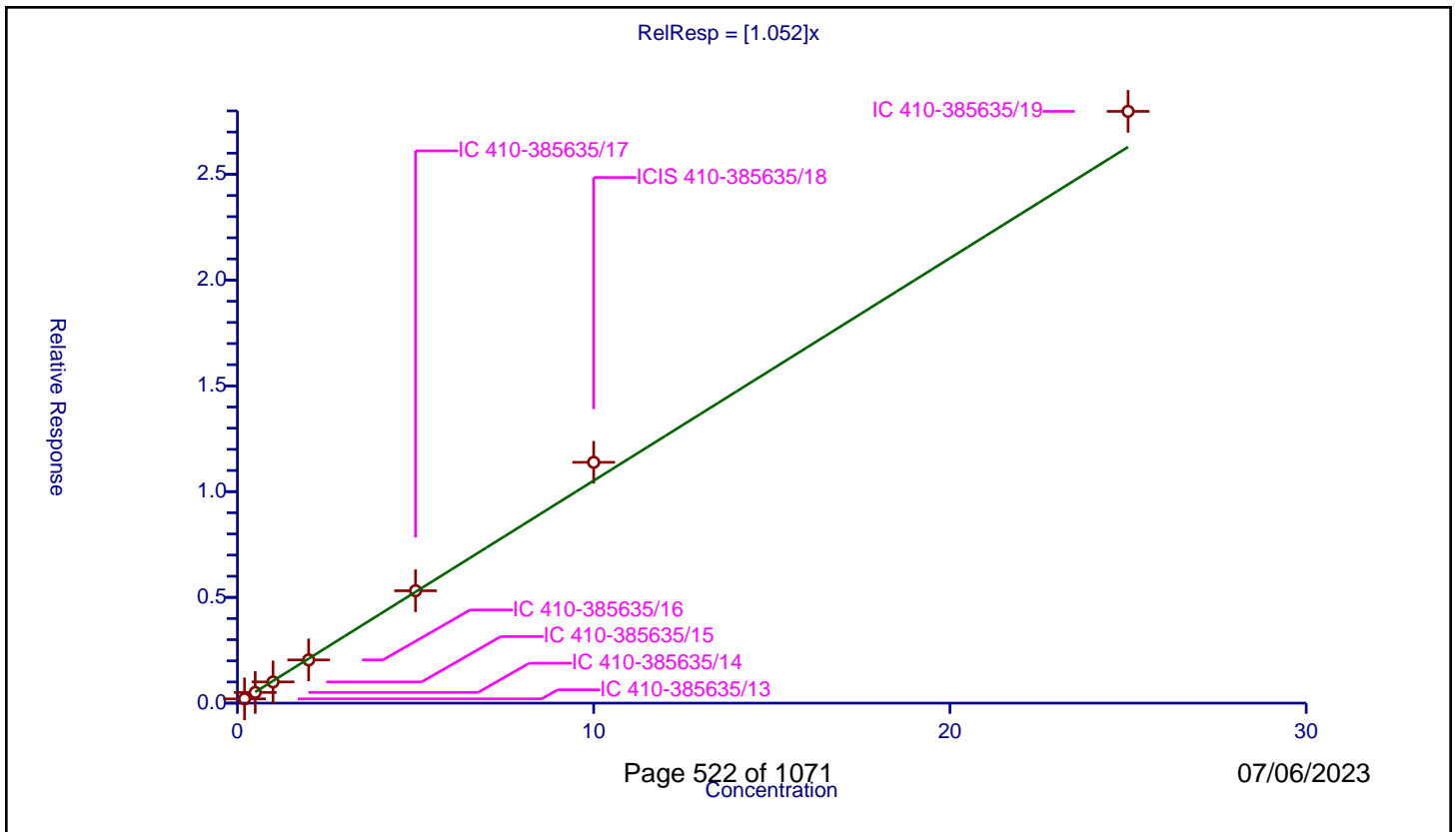
/ Benzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.052

Error Coefficients	
Standard Error:	3750000
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 410-385635/13	0.2	0.201522	10.0	2994368.0	1.007608	Y
2	IC 410-385635/14	0.5	0.505376	10.0	2941454.0	1.010752	Y
3	IC 410-385635/15	1.0	1.002803	10.0	2982641.0	1.002803	Y
4	IC 410-385635/16	2.0	2.04258	10.0	2890296.0	1.02129	Y
5	IC 410-385635/17	5.0	5.313352	10.0	2850114.0	1.06267	Y
6	ICIS 410-385635/18	10.0	11.385155	10.0	2941231.0	1.138515	Y
7	IC 410-385635/19	25.0	27.977262	10.0	2995262.0	1.11909	Y



Calibration

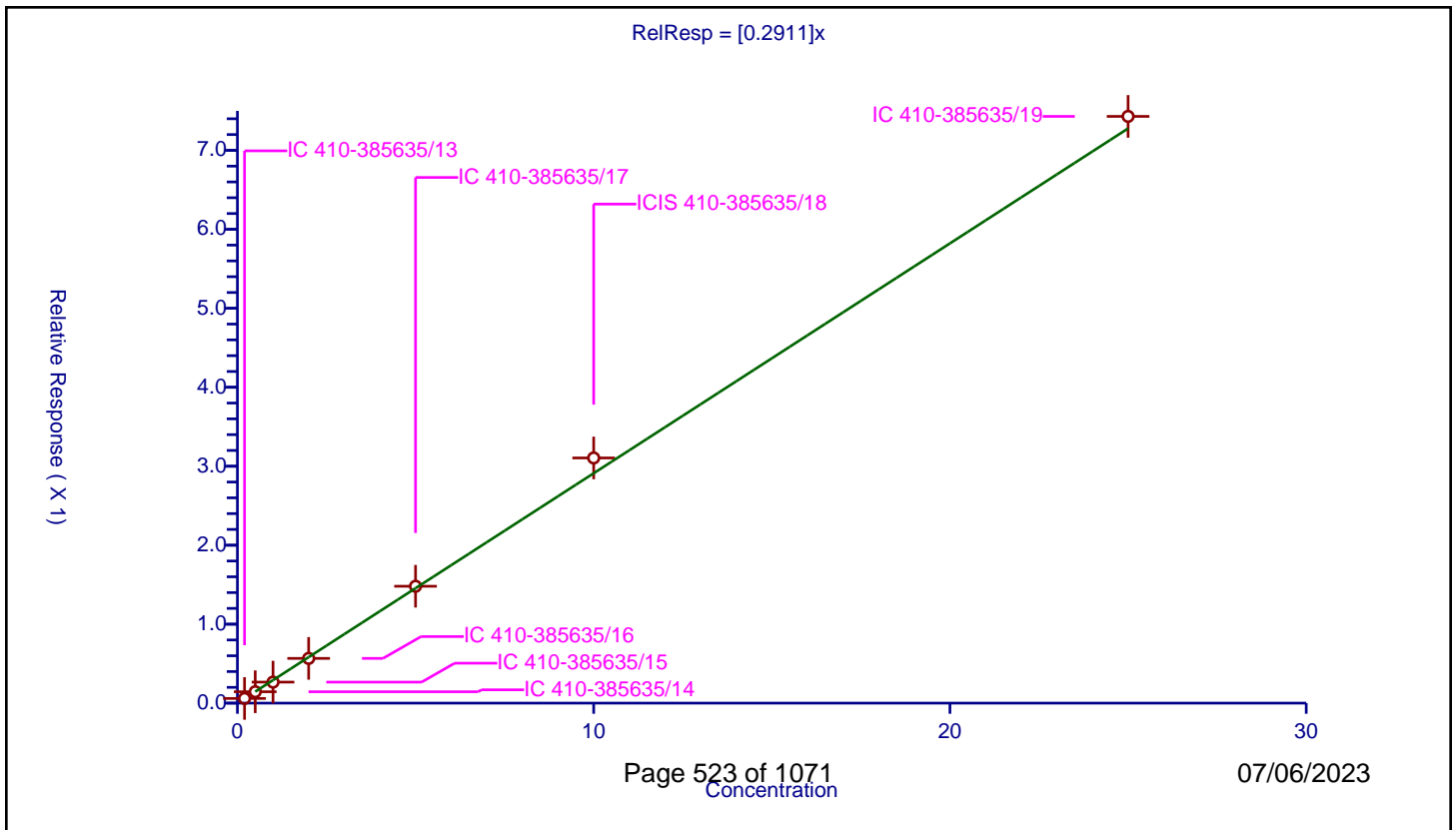
/ 1,2-Dichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2911

Error Coefficients	
Standard Error:	1000000
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 410-385635/13	0.2	0.059158	10.0	2994368.0	0.295789	Y
2	IC 410-385635/14	0.5	0.144238	10.0	2941454.0	0.288476	Y
3	IC 410-385635/15	1.0	0.266445	10.0	2982641.0	0.266445	Y
4	IC 410-385635/16	2.0	0.566388	10.0	2890296.0	0.283194	Y
5	IC 410-385635/17	5.0	1.480295	10.0	2850114.0	0.296059	Y
6	ICIS 410-385635/18	10.0	3.104829	10.0	2941231.0	0.310483	Y
7	IC 410-385635/19	25.0	7.430288	10.0	2995262.0	0.297212	Y



Calibration

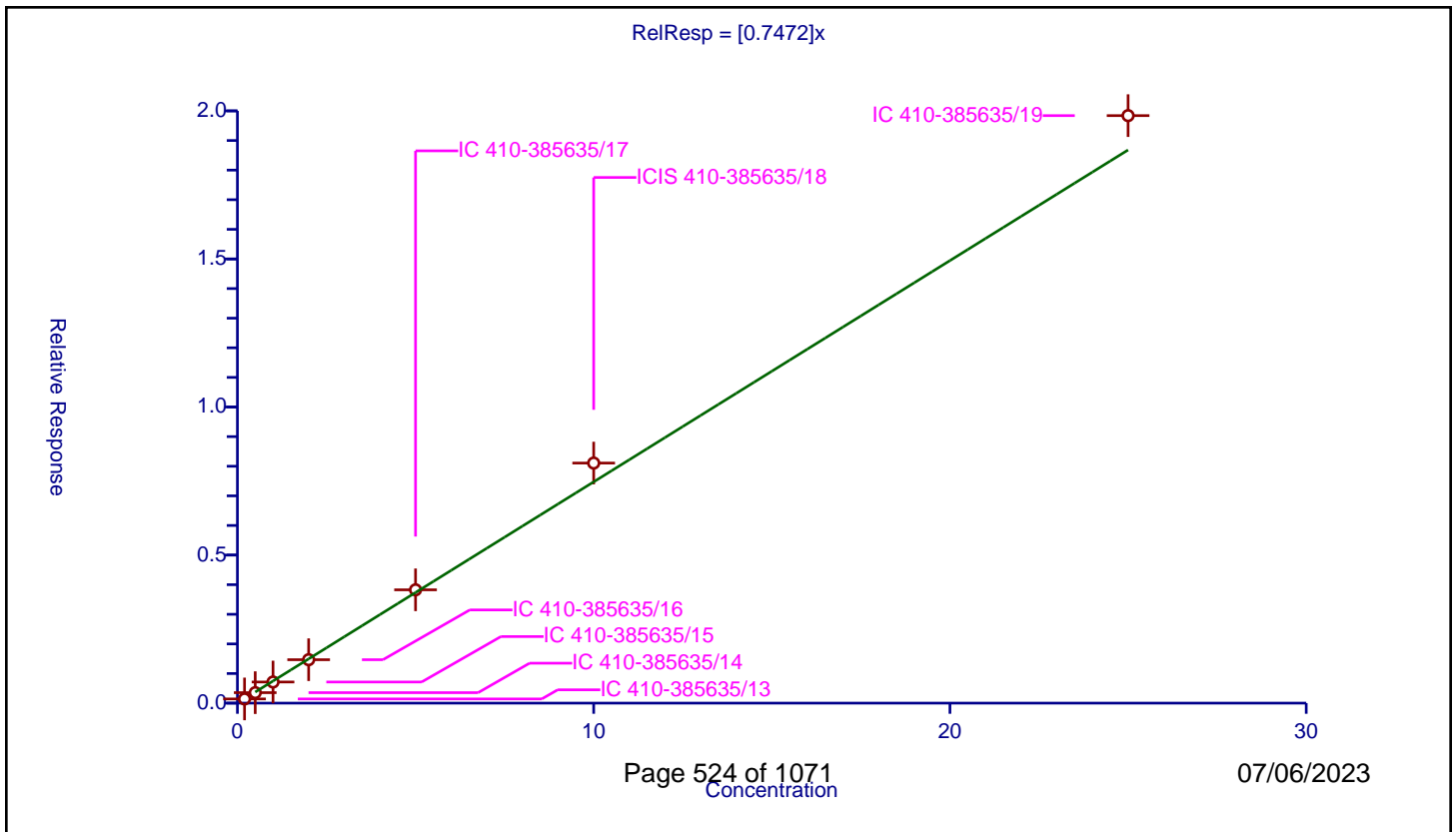
/ Tert-amyl methyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.7472

Error Coefficients	
Standard Error:	2660000
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 410-385635/13	0.2	0.141395	10.0	2994368.0	0.706977	Y
2	IC 410-385635/14	0.5	0.35374	10.0	2941454.0	0.70748	Y
3	IC 410-385635/15	1.0	0.713277	10.0	2982641.0	0.713277	Y
4	IC 410-385635/16	2.0	1.466566	10.0	2890296.0	0.733283	Y
5	IC 410-385635/17	5.0	3.826359	10.0	2850114.0	0.765272	Y
6	ICIS 410-385635/18	10.0	8.10685	10.0	2941231.0	0.810685	Y
7	IC 410-385635/19	25.0	19.839473	10.0	2995262.0	0.793579	Y



Calibration

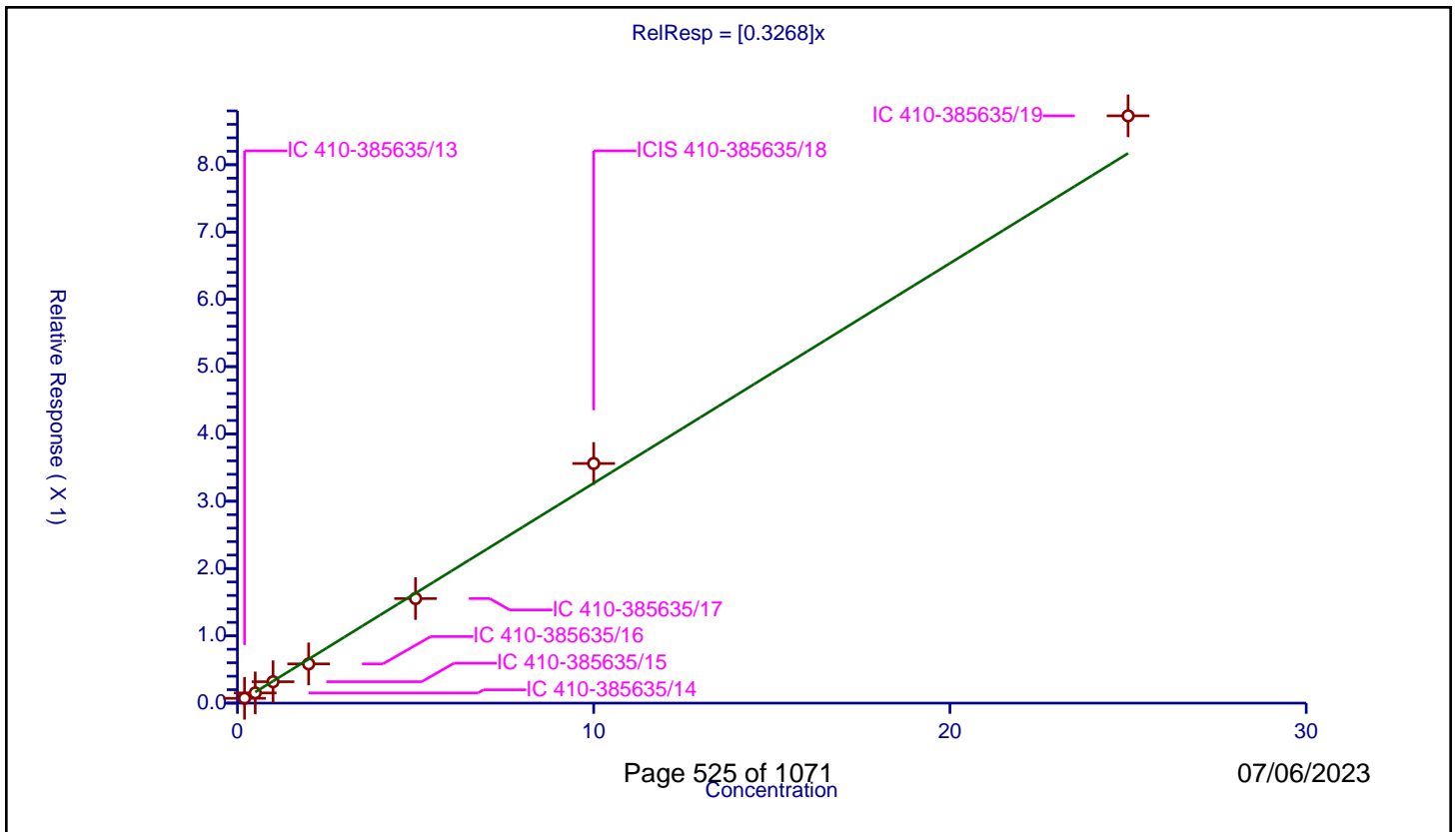
/ n-Heptane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3268

Error Coefficients	
Standard Error:	1170000
Relative Standard Error:	8.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.071721	10.0	2994368.0	0.358607	Y
2	IC 410-385635/14	0.5	0.151792	10.0	2941454.0	0.303585	Y
3	IC 410-385635/15	1.0	0.317826	10.0	2982641.0	0.317826	Y
4	IC 410-385635/16	2.0	0.58311	10.0	2890296.0	0.291555	Y
5	IC 410-385635/17	5.0	1.553973	10.0	2850114.0	0.310795	Y
6	ICIS 410-385635/18	10.0	3.560621	10.0	2941231.0	0.356062	Y
7	IC 410-385635/19	25.0	8.726328	10.0	2995262.0	0.349053	Y



Calibration

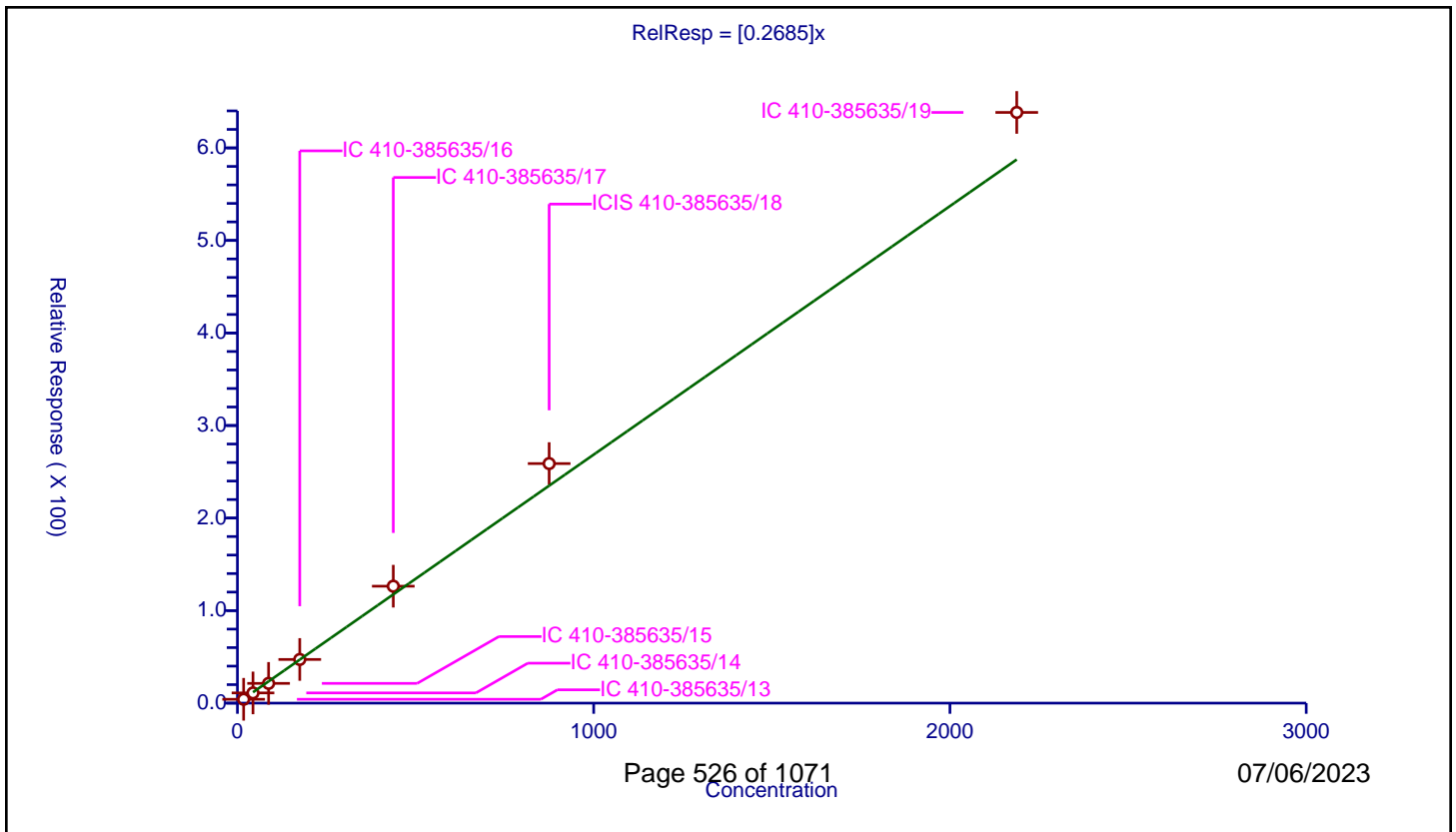
/ n-Butanol

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

Curve Coefficients	
Intercept:	0
Slope:	0.2685

Error Coefficients	
Standard Error:	1310000
Relative Standard Error:	9.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	17.5	4.155136	50.0	212111.0	0.237436	Y
2	IC 410-385635/14	43.75	11.037576	50.0	190762.0	0.252287	Y
3	IC 410-385635/15	87.5	21.342466	50.0	207968.0	0.243914	Y
4	IC 410-385635/16	175.0	47.196776	50.0	217339.0	0.269696	Y
5	IC 410-385635/17	437.5	126.369339	50.0	218244.0	0.288844	Y
6	ICIS 410-385635/18	875.0	258.862373	50.0	220415.0	0.295843	Y
7	IC 410-385635/19	2187.5	638.317072	50.0	231222.0	0.291802	Y



Calibration

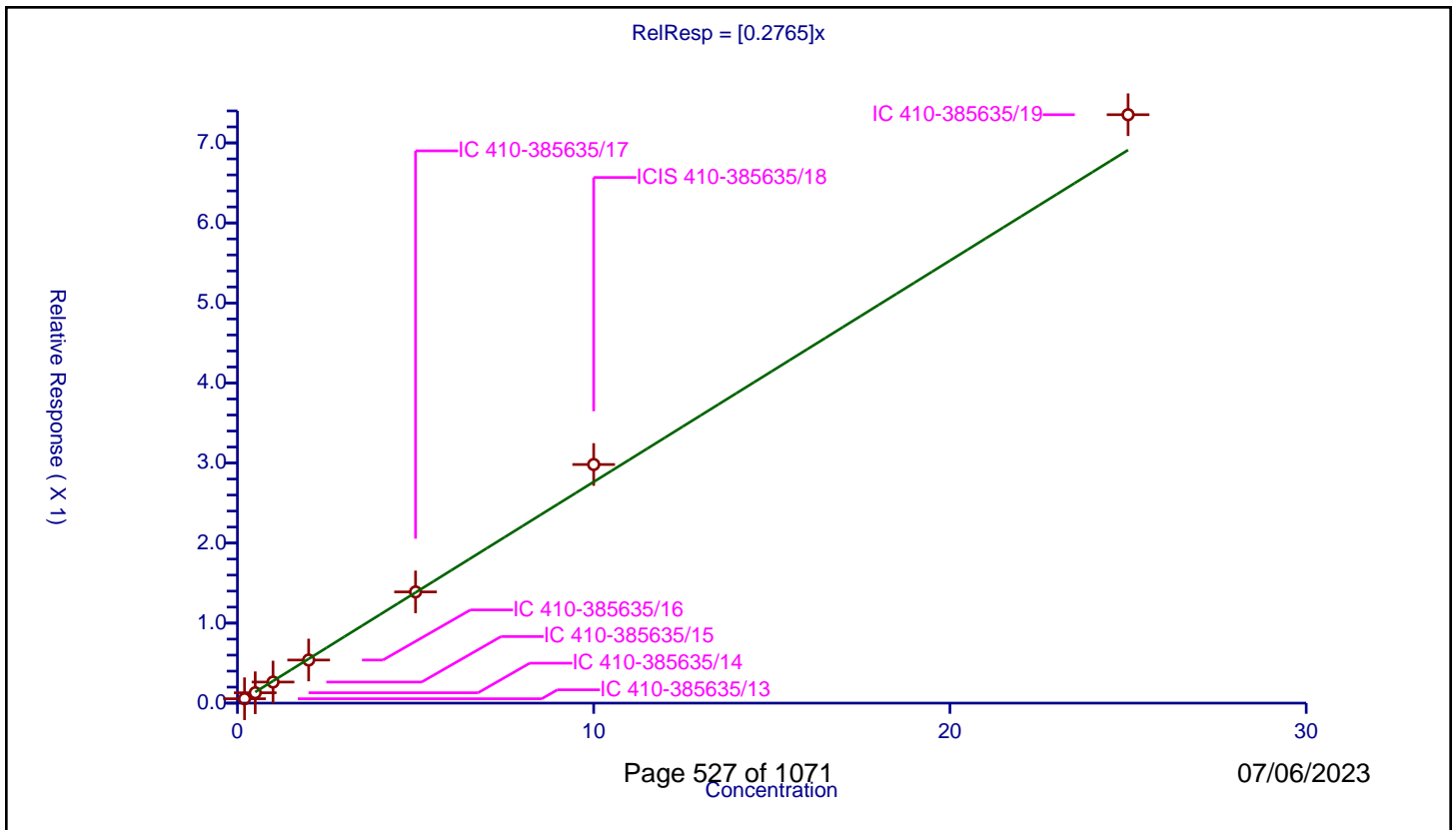
/ Trichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.2765

Error Coefficients	
Standard Error:	984000
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 410-385635/13	0.2	0.054609	10.0	2994368.0	0.273046	Y
2	IC 410-385635/14	0.5	0.129674	10.0	2941454.0	0.259348	Y
3	IC 410-385635/15	1.0	0.263394	10.0	2982641.0	0.263394	Y
4	IC 410-385635/16	2.0	0.538464	10.0	2890296.0	0.269232	Y
5	IC 410-385635/17	5.0	1.389488	10.0	2850114.0	0.277898	Y
6	ICIS 410-385635/18	10.0	2.981667	10.0	2941231.0	0.298167	Y
7	IC 410-385635/19	25.0	7.352288	10.0	2995262.0	0.294092	Y



Calibration

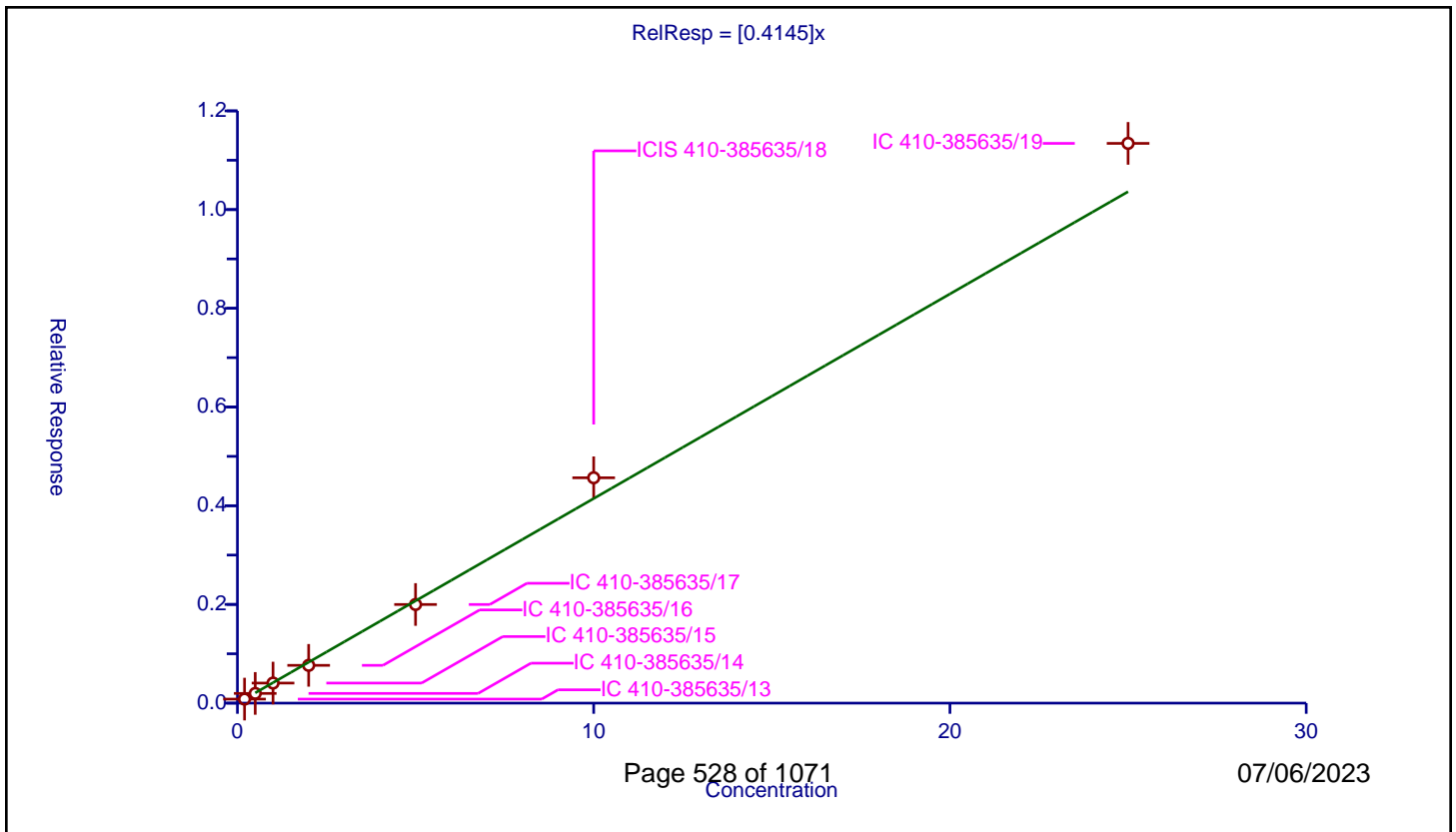
/ Methylcyclohexane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4145

Error Coefficients	
Standard Error:	1510000
Relative Standard Error:	7.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.081877	10.0	2994368.0	0.409385	Y
2	IC 410-385635/14	0.5	0.196573	10.0	2941454.0	0.393146	Y
3	IC 410-385635/15	1.0	0.406529	10.0	2982641.0	0.406529	Y
4	IC 410-385635/16	2.0	0.765423	10.0	2890296.0	0.382712	Y
5	IC 410-385635/17	5.0	1.998446	10.0	2850114.0	0.399689	Y
6	ICIS 410-385635/18	10.0	4.566496	10.0	2941231.0	0.45665	Y
7	IC 410-385635/19	25.0	11.341759	10.0	2995262.0	0.45367	Y



Calibration

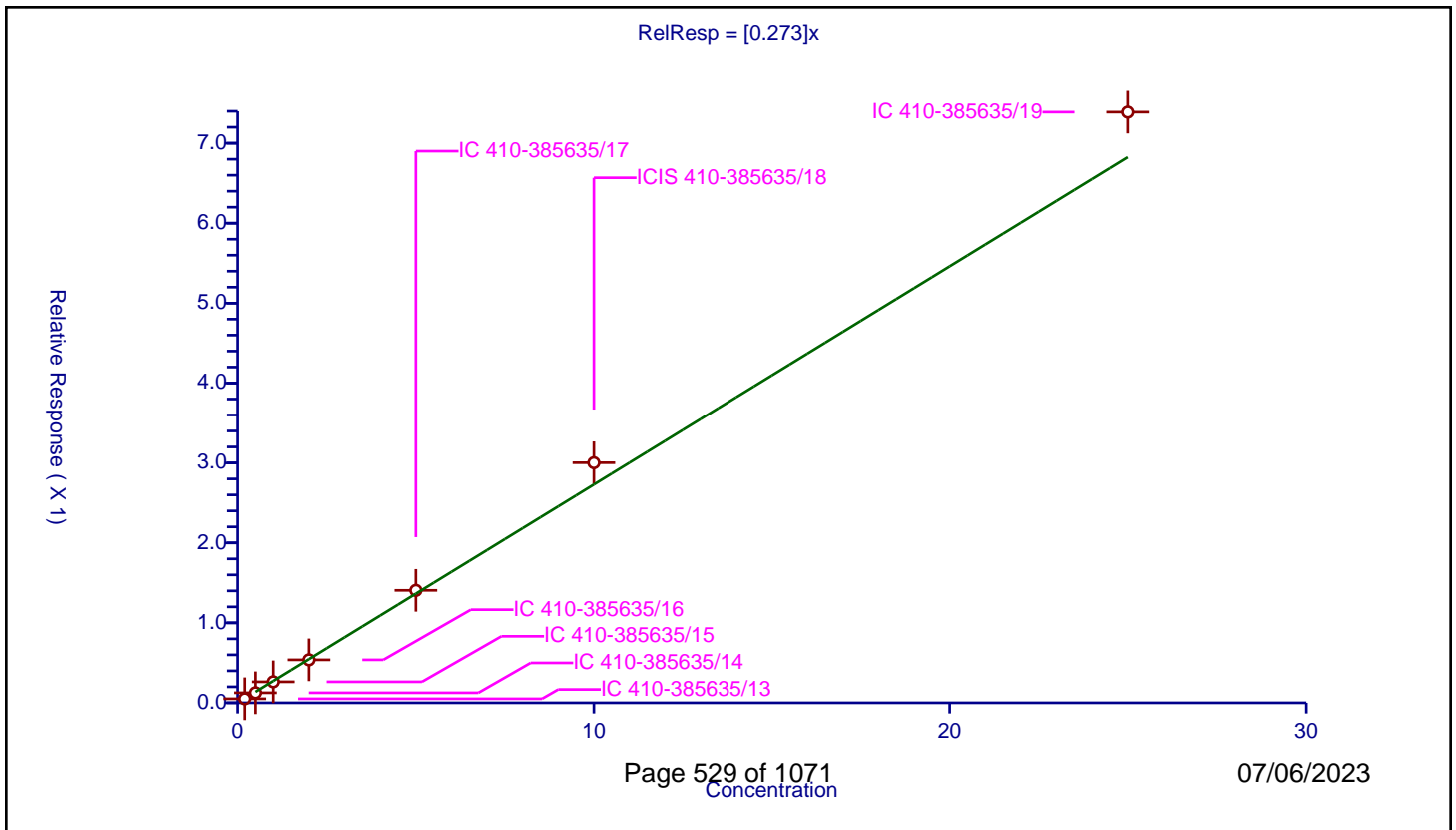
/ 1,2-Dichloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.273

Error Coefficients	
Standard Error:	989000
Relative Standard Error:	7.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.050425	10.0	2994368.0	0.252123	Y
2	IC 410-385635/14	0.5	0.125316	10.0	2941454.0	0.250631	Y
3	IC 410-385635/15	1.0	0.262529	10.0	2982641.0	0.262529	Y
4	IC 410-385635/16	2.0	0.537374	10.0	2890296.0	0.268687	Y
5	IC 410-385635/17	5.0	1.406438	10.0	2850114.0	0.281288	Y
6	ICIS 410-385635/18	10.0	3.003001	10.0	2941231.0	0.3003	Y
7	IC 410-385635/19	25.0	7.389437	10.0	2995262.0	0.295577	Y



Calibration

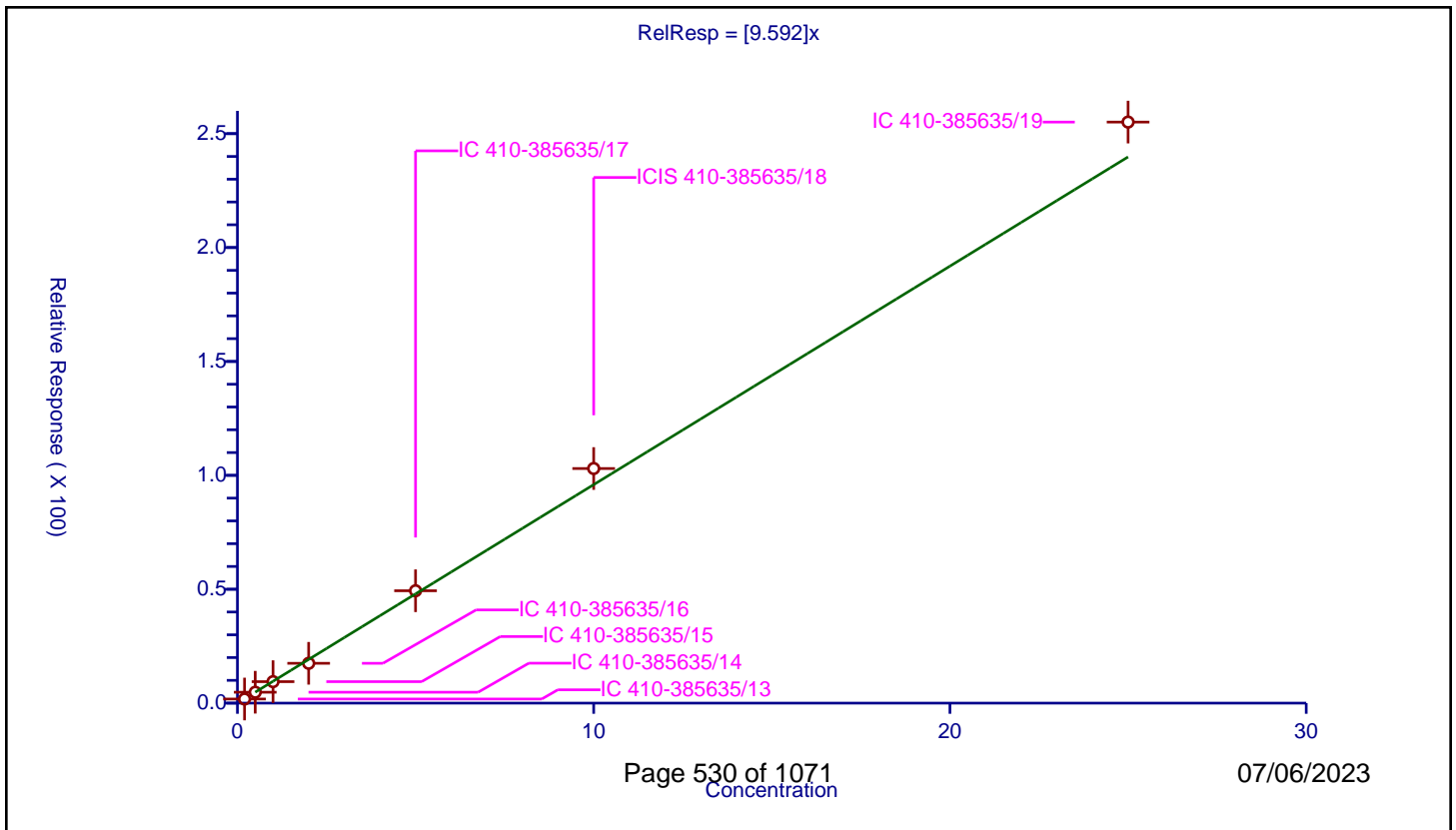
/ Methyl methacrylate

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

Curve Coefficients	
Intercept:	0
Slope:	9.592

Error Coefficients	
Standard Error:	525000
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 410-385635/13	0.2	1.804715	50.0	212111.0	9.023577	Y
2	IC 410-385635/14	0.5	4.785806	50.0	190762.0	9.571613	Y
3	IC 410-385635/15	1.0	9.434144	50.0	207968.0	9.434144	Y
4	IC 410-385635/16	2.0	17.489038	50.0	217339.0	8.744519	Y
5	IC 410-385635/17	5.0	49.335606	50.0	218244.0	9.867121	Y
6	ICIS 410-385635/18	10.0	102.993898	50.0	220415.0	10.29939	Y
7	IC 410-385635/19	25.0	255.09013	50.0	231222.0	10.203605	Y



Calibration

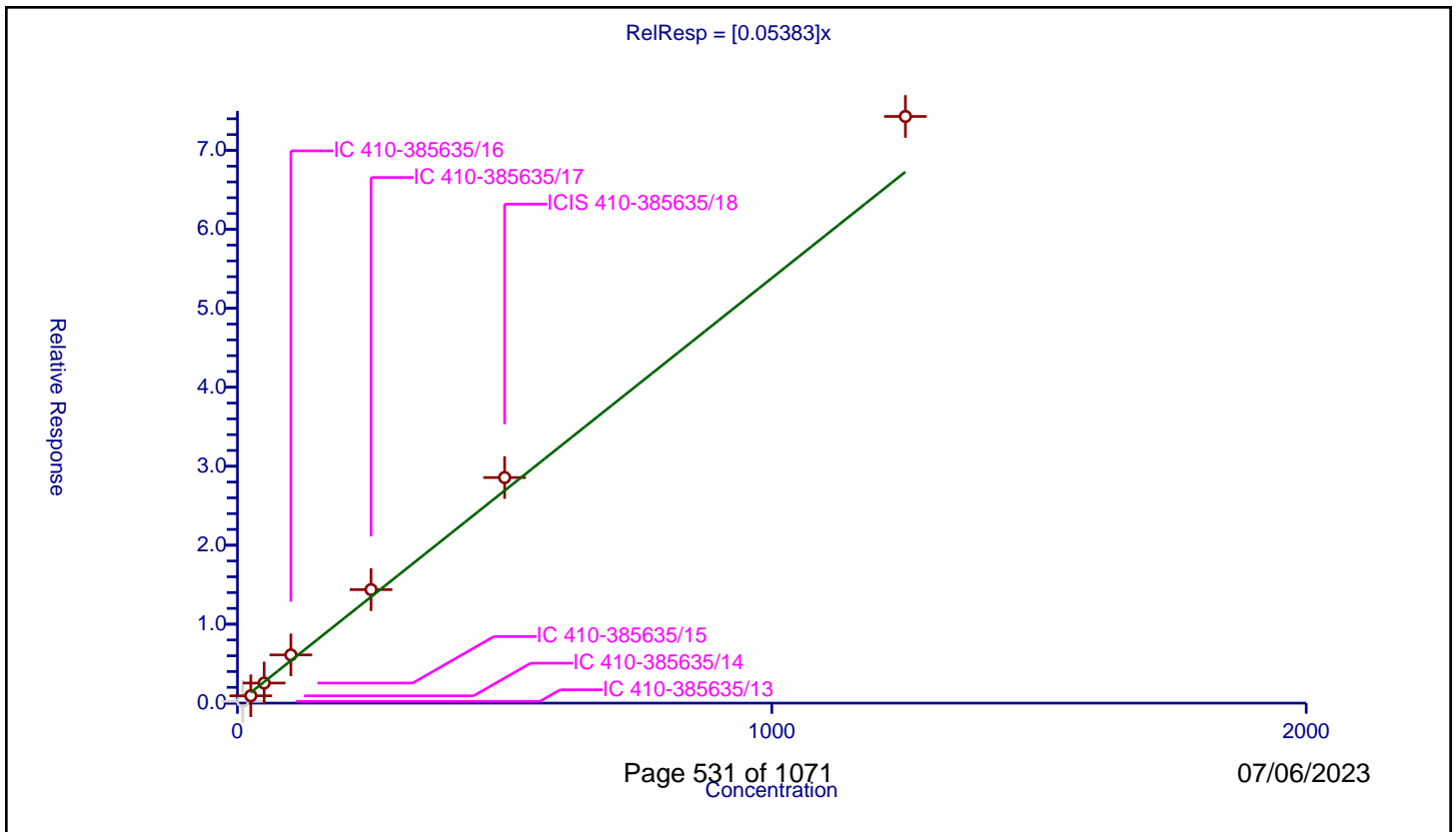
/ 1,4-Dioxane

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

Curve Coefficients	
Intercept:	0
Slope:	0.05383

Error Coefficients	
Standard Error:	167000
Relative Standard Error:	16.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	10.0	0.224175	50.0	212111.0	0.022418	N
2	IC 410-385635/14	25.0	0.925237	50.0	190762.0	0.037009	Y
3	IC 410-385635/15	50.0	2.541016	50.0	207968.0	0.05082	Y
4	IC 410-385635/16	100.0	6.106819	50.0	217339.0	0.061068	Y
5	IC 410-385635/17	250.0	14.371987	50.0	218244.0	0.057488	Y
6	ICIS 410-385635/18	500.0	28.565207	50.0	220415.0	0.05713	Y
7	IC 410-385635/19	1250.0	74.297645	50.0	231222.0	0.059438	Y



Calibration

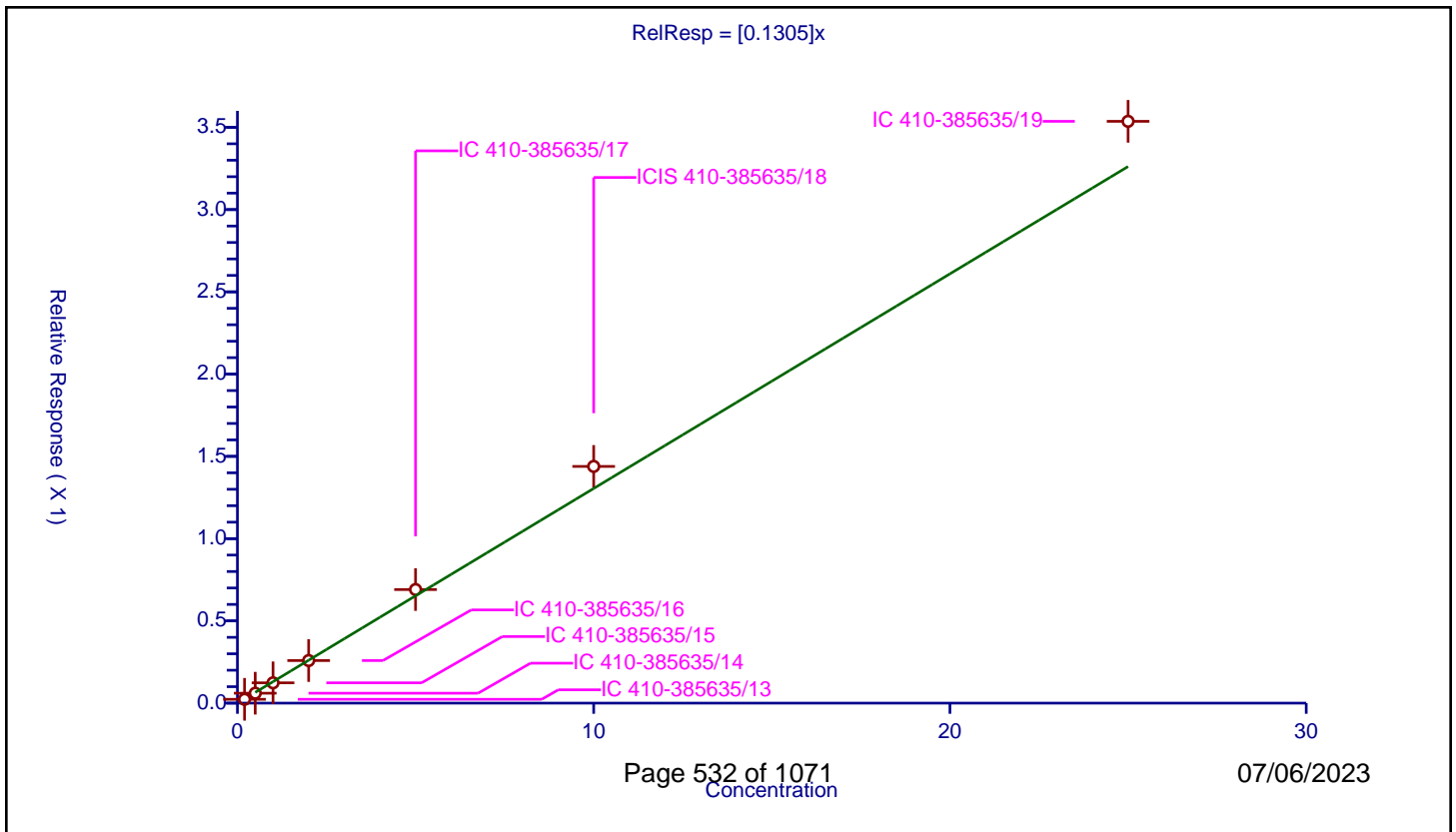
/ Dibromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.1305

Error Coefficients	
Standard Error:	474000
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 410-385635/13	0.2	0.023274	10.0	2994368.0	0.116368	Y
2	IC 410-385635/14	0.5	0.060297	10.0	2941454.0	0.120593	Y
3	IC 410-385635/15	1.0	0.123518	10.0	2982641.0	0.123518	Y
4	IC 410-385635/16	2.0	0.258776	10.0	2890296.0	0.129388	Y
5	IC 410-385635/17	5.0	0.690474	10.0	2850114.0	0.138095	Y
6	ICIS 410-385635/18	10.0	1.438904	10.0	2941231.0	0.14389	Y
7	IC 410-385635/19	25.0	3.536599	10.0	2995262.0	0.141464	Y



Calibration

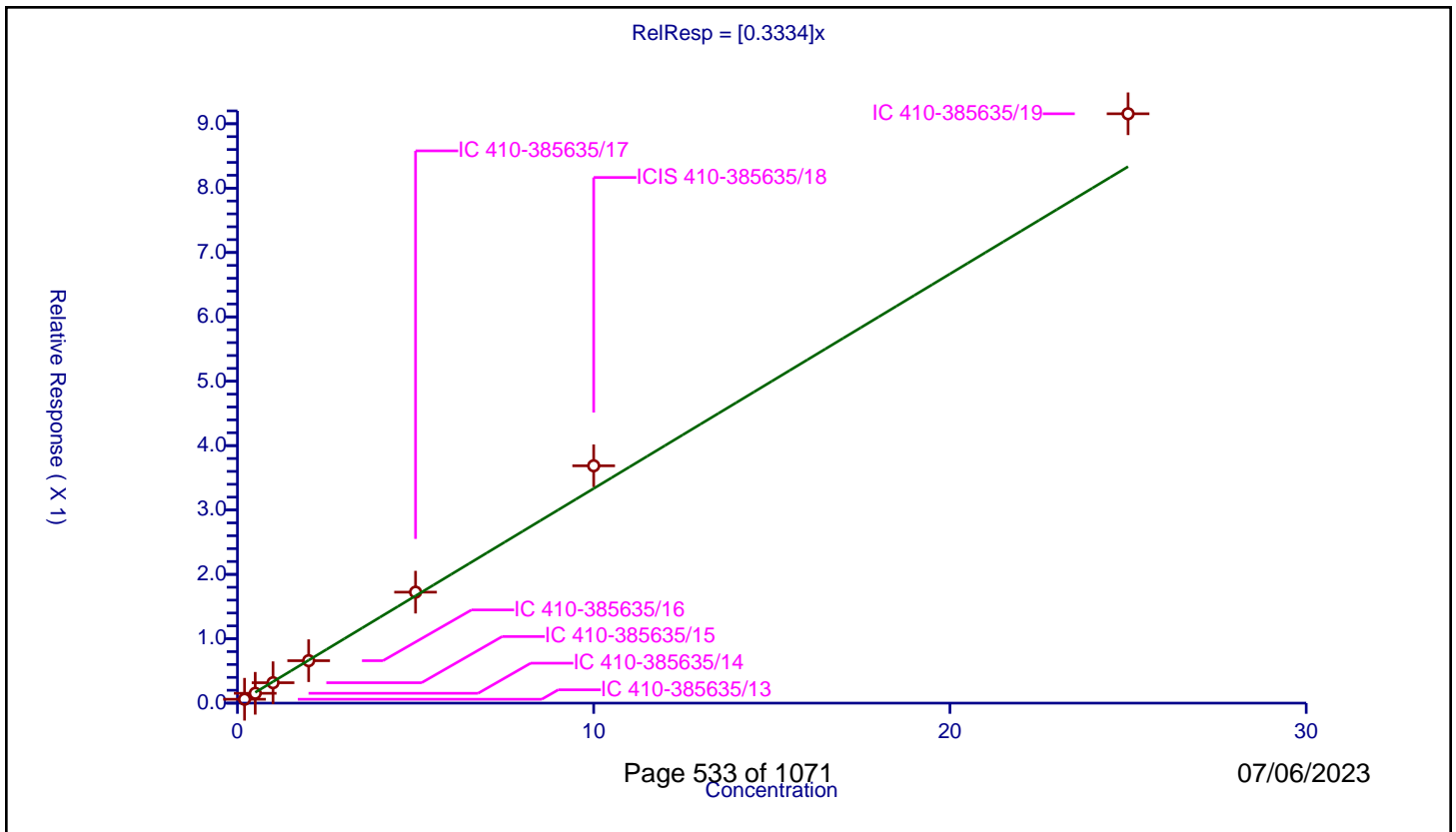
/ Dichlorobromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3334

Error Coefficients	
Standard Error:	1220000
Relative Standard Error:	8.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.060273	10.0	2994368.0	0.301366	Y
2	IC 410-385635/14	0.5	0.152839	10.0	2941454.0	0.305679	Y
3	IC 410-385635/15	1.0	0.317192	10.0	2982641.0	0.317192	Y
4	IC 410-385635/16	2.0	0.659396	10.0	2890296.0	0.329698	Y
5	IC 410-385635/17	5.0	1.723945	10.0	2850114.0	0.344789	Y
6	ICIS 410-385635/18	10.0	3.686796	10.0	2941231.0	0.36868	Y
7	IC 410-385635/19	25.0	9.155429	10.0	2995262.0	0.366217	Y



Calibration

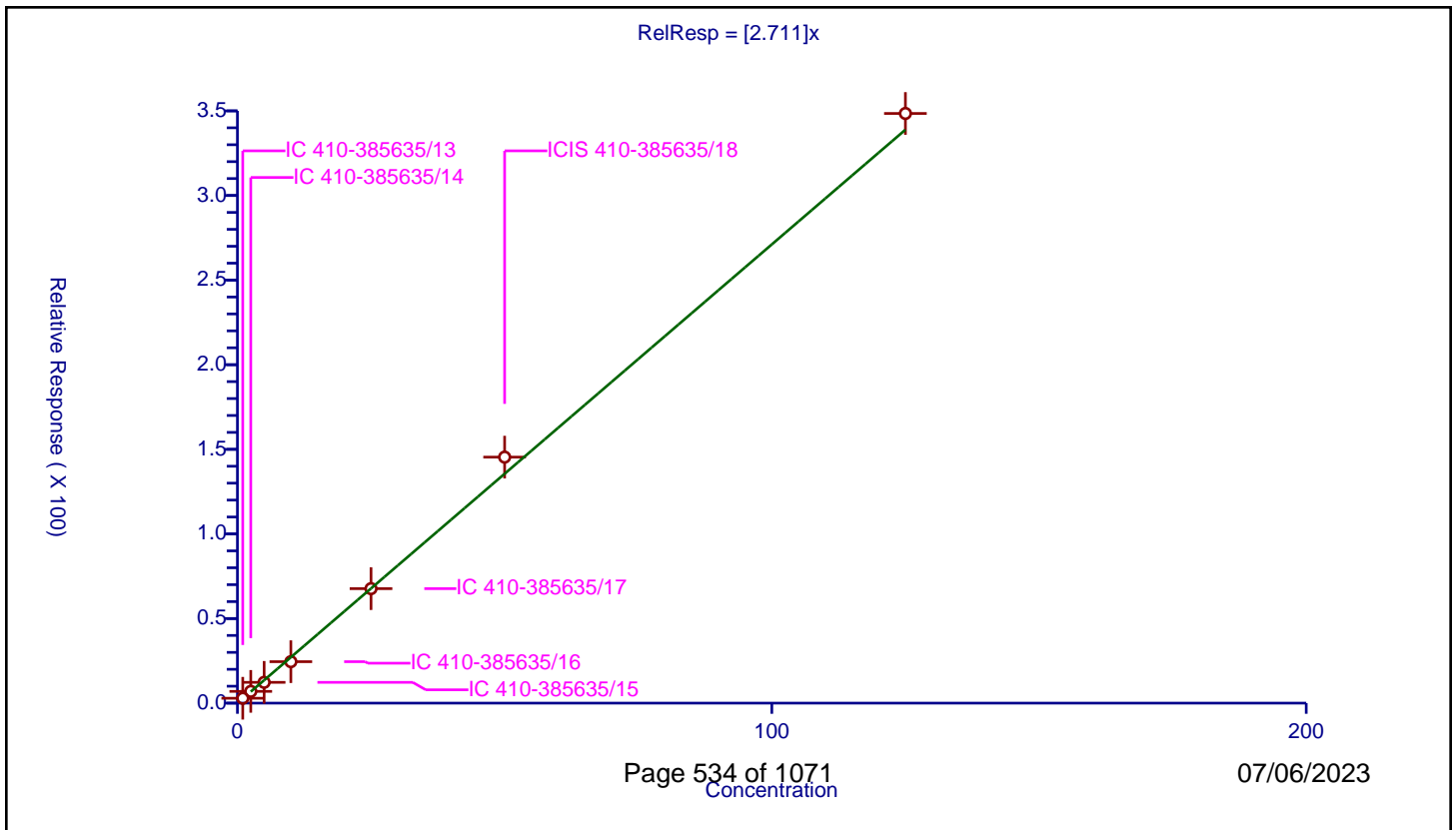
/ 2-Nitropropane

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

Curve Coefficients	
Intercept:	0
Slope:	2.711

Error Coefficients	
Standard Error:	720000
Relative Standard Error:	7.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	1.0	2.887875	50.0	212111.0	2.887875	Y
2	IC 410-385635/14	2.5	6.952905	50.0	190762.0	2.781162	Y
3	IC 410-385635/15	5.0	12.279774	50.0	207968.0	2.455955	Y
4	IC 410-385635/16	10.0	24.497904	50.0	217339.0	2.44979	Y
5	IC 410-385635/17	25.0	67.661425	50.0	218244.0	2.706457	Y
6	ICIS 410-385635/18	50.0	145.38144	50.0	220415.0	2.907629	Y
7	IC 410-385635/19	125.0	348.480897	50.0	231222.0	2.787847	Y



Calibration

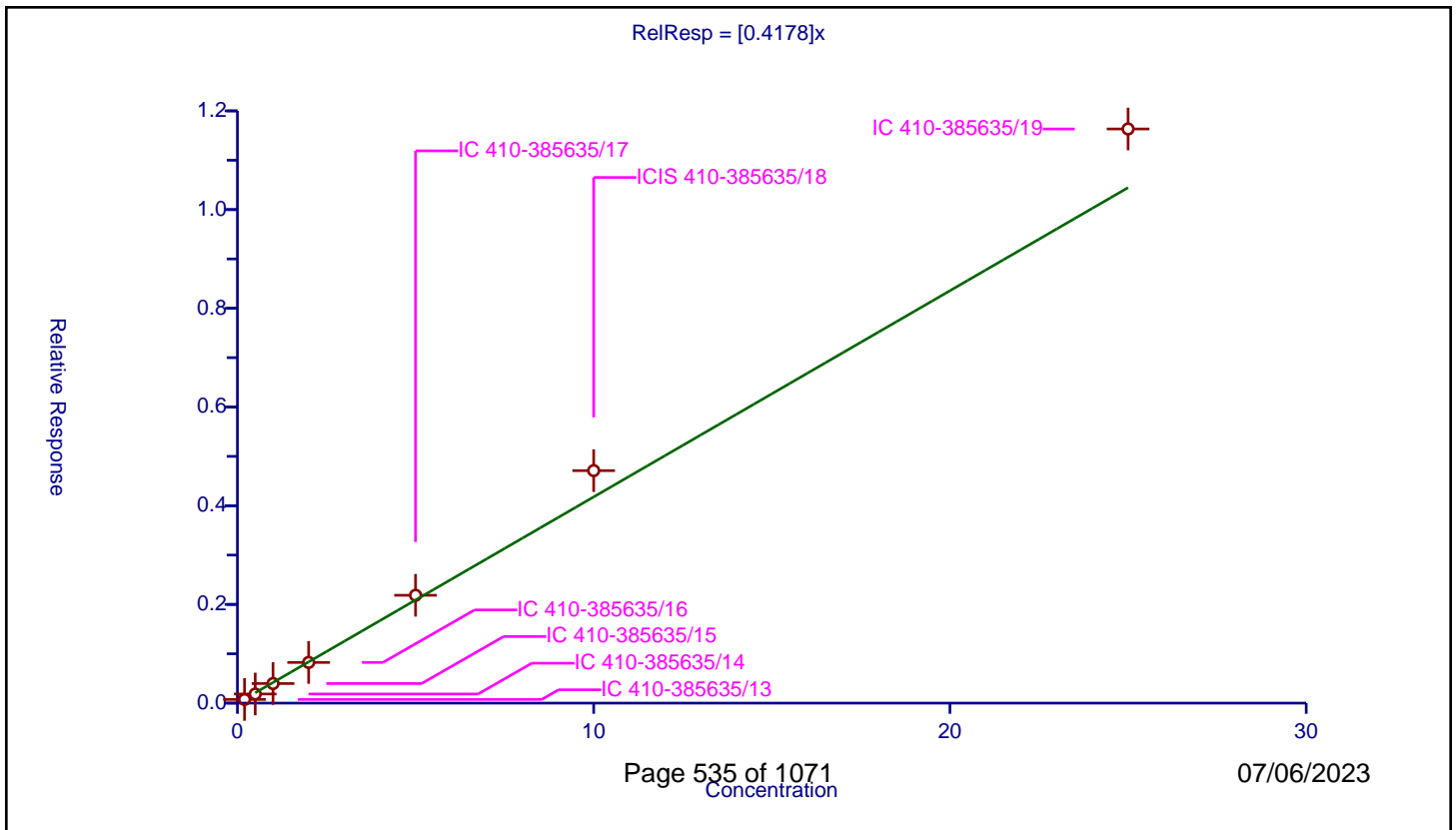
/ cis-1,3-Dichloropropene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4178

Error Coefficients	
Standard Error:	1560000
Relative Standard Error:	9.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.074413	10.0	2994368.0	0.372065	Y
2	IC 410-385635/14	0.5	0.184919	10.0	2941454.0	0.369838	Y
3	IC 410-385635/15	1.0	0.397064	10.0	2982641.0	0.397064	Y
4	IC 410-385635/16	2.0	0.824168	10.0	2890296.0	0.412084	Y
5	IC 410-385635/17	5.0	2.185463	10.0	2850114.0	0.437093	Y
6	ICIS 410-385635/18	10.0	4.711044	10.0	2941231.0	0.471104	Y
7	IC 410-385635/19	25.0	11.633697	10.0	2995262.0	0.465348	Y



Calibration

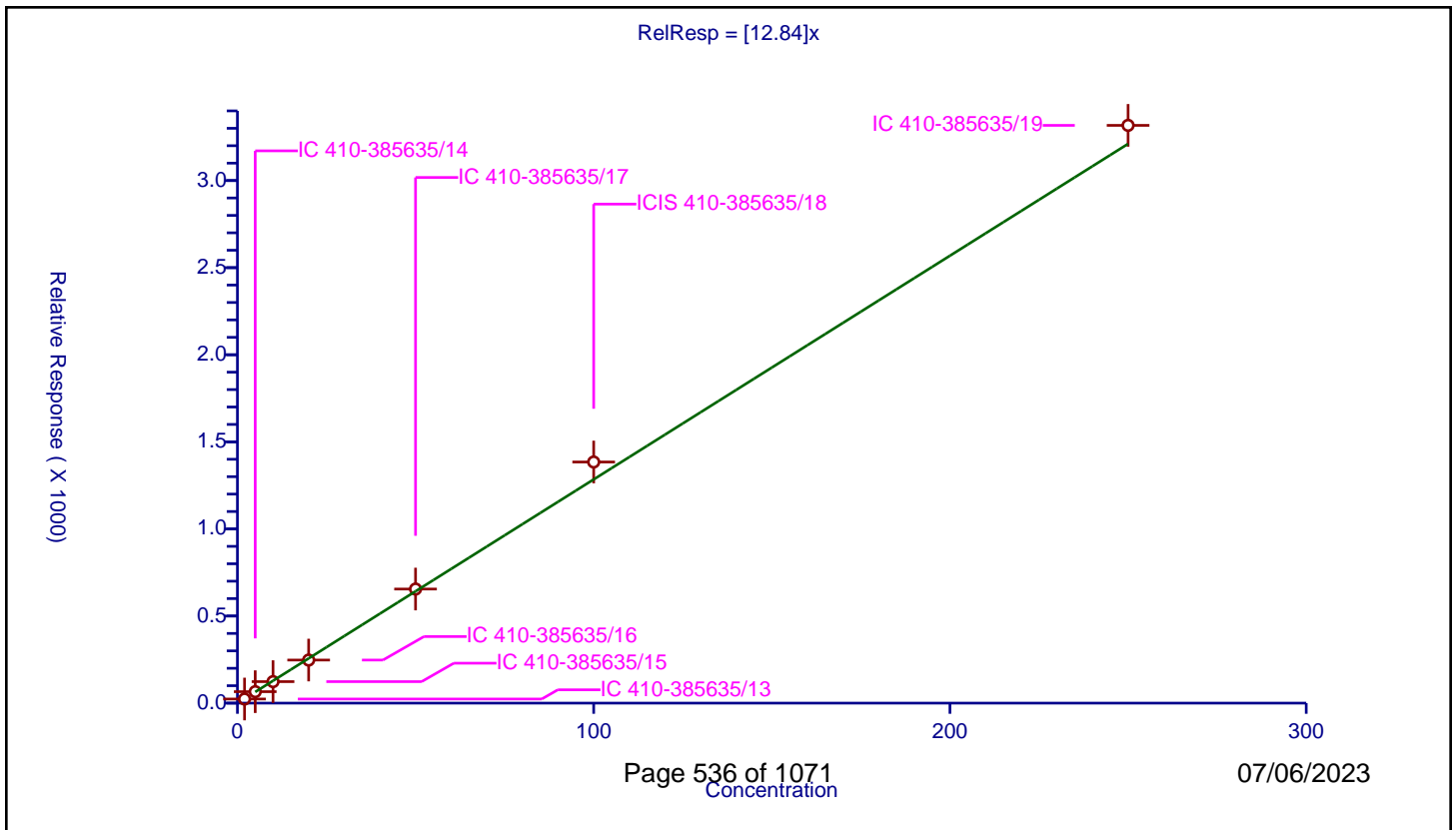
/ 4-Methyl-2-pentanone (MIBK)

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

Curve Coefficients	
Intercept:	0
Slope:	12.84

Error Coefficients	
Standard Error:	6860000
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 410-385635/13	2.0	23.635974	50.0	212111.0	11.817987	Y
2	IC 410-385635/14	5.0	65.791143	50.0	190762.0	13.158229	Y
3	IC 410-385635/15	10.0	123.500971	50.0	207968.0	12.350097	Y
4	IC 410-385635/16	20.0	247.277295	50.0	217339.0	12.363865	Y
5	IC 410-385635/17	50.0	654.936905	50.0	218244.0	13.098738	Y
6	ICIS 410-385635/18	100.0	1384.299617	50.0	220415.0	13.842996	Y
7	IC 410-385635/19	250.0	3316.829281	50.0	231222.0	13.267317	Y



Calibration

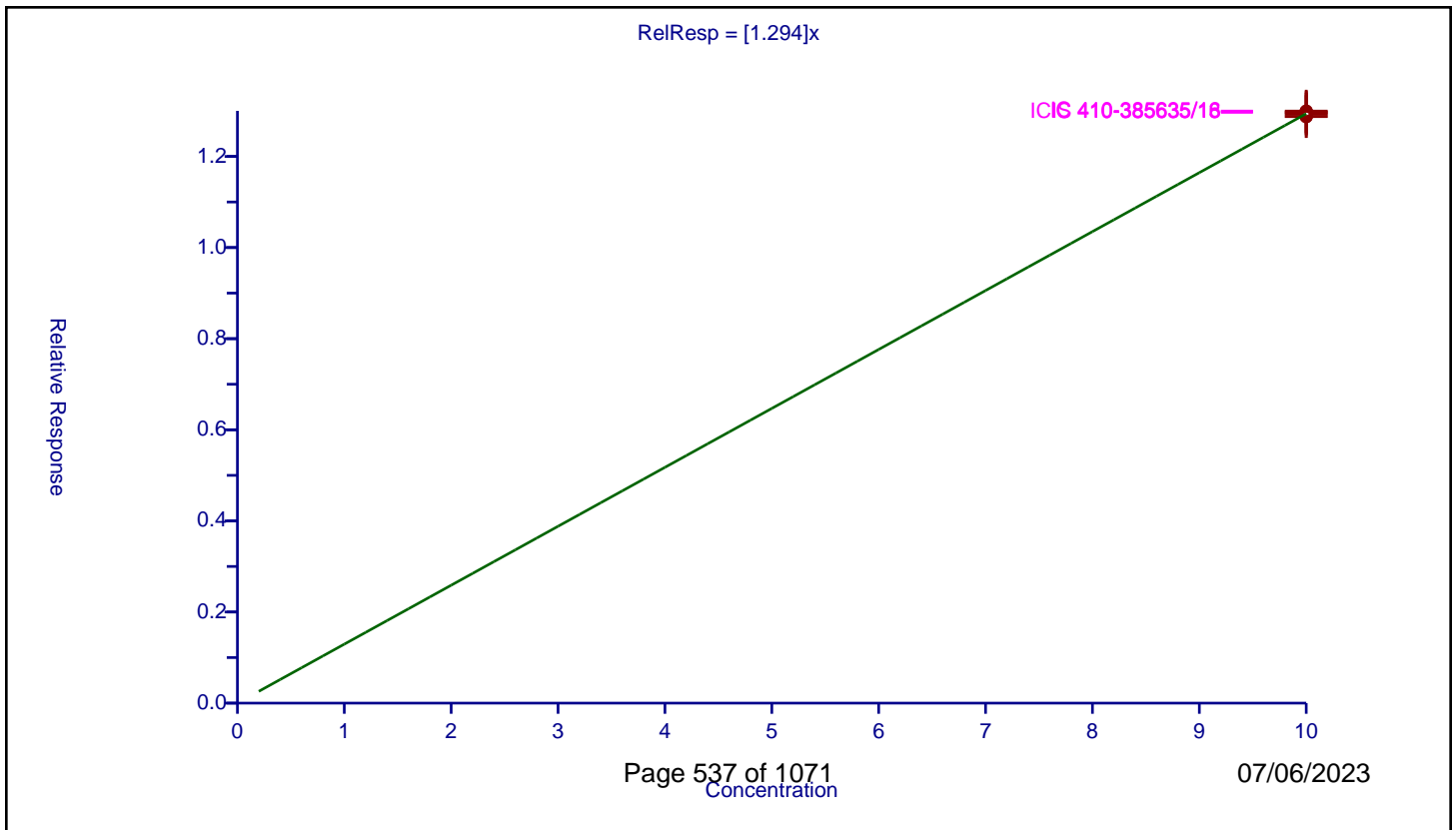
/ Toluene-d8 (Surr)

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

Curve Coefficients	
Intercept:	0
Slope:	1.294

Error Coefficients	
Standard Error:	3240000
Relative Standard Error:	0.4
Correlation Coefficient:	0
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	10.0	12.982277	10.0	2327406.0	1.298228	Y
2	IC 410-385635/14	10.0	12.878418	10.0	2304679.0	1.287842	Y
3	IC 410-385635/15	10.0	12.93401	10.0	2335278.0	1.293401	Y
4	IC 410-385635/16	10.0	12.995862	10.0	2275532.0	1.299586	Y
5	IC 410-385635/17	10.0	12.932144	10.0	2256032.0	1.293214	Y
6	ICIS 410-385635/18	10.0	12.96858	10.0	2325903.0	1.296858	Y
7	IC 410-385635/19	10.0	12.873901	10.0	2386422.0	1.28739	Y



Calibration

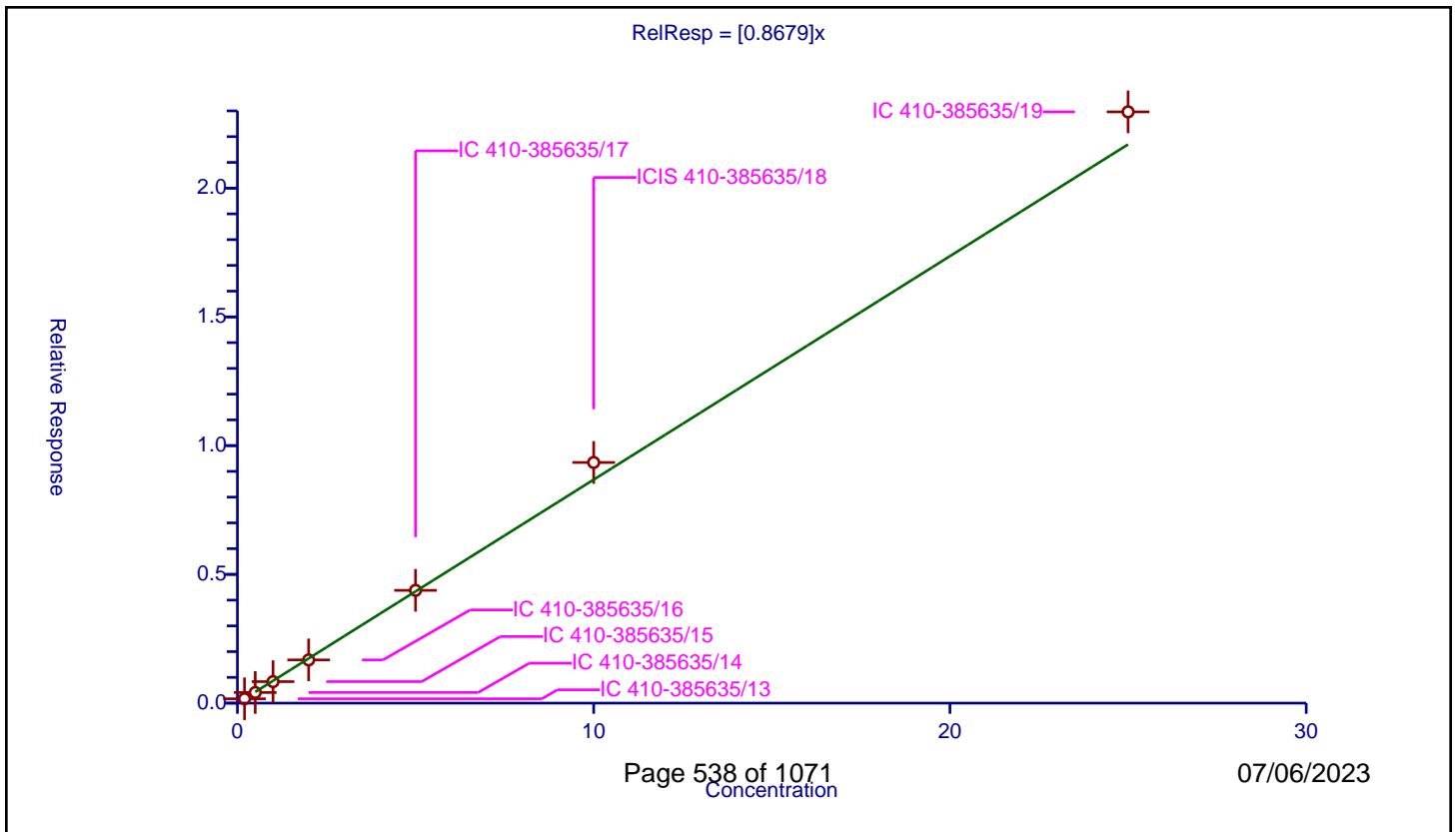
/ Toluene

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

Curve Coefficients	
Intercept:	0
Slope:	0.8679

Error Coefficients	
Standard Error:	2450000
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 410-385635/13	0.2	0.169244	10.0	2327406.0	0.846221	Y
2	IC 410-385635/14	0.5	0.412734	10.0	2304679.0	0.825469	Y
3	IC 410-385635/15	1.0	0.835417	10.0	2335278.0	0.835417	Y
4	IC 410-385635/16	2.0	1.678531	10.0	2275532.0	0.839265	Y
5	IC 410-385635/17	5.0	4.379925	10.0	2256032.0	0.875985	Y
6	ICIS 410-385635/18	10.0	9.346189	10.0	2325903.0	0.934619	Y
7	IC 410-385635/19	25.0	22.961241	10.0	2386422.0	0.91845	Y



Calibration

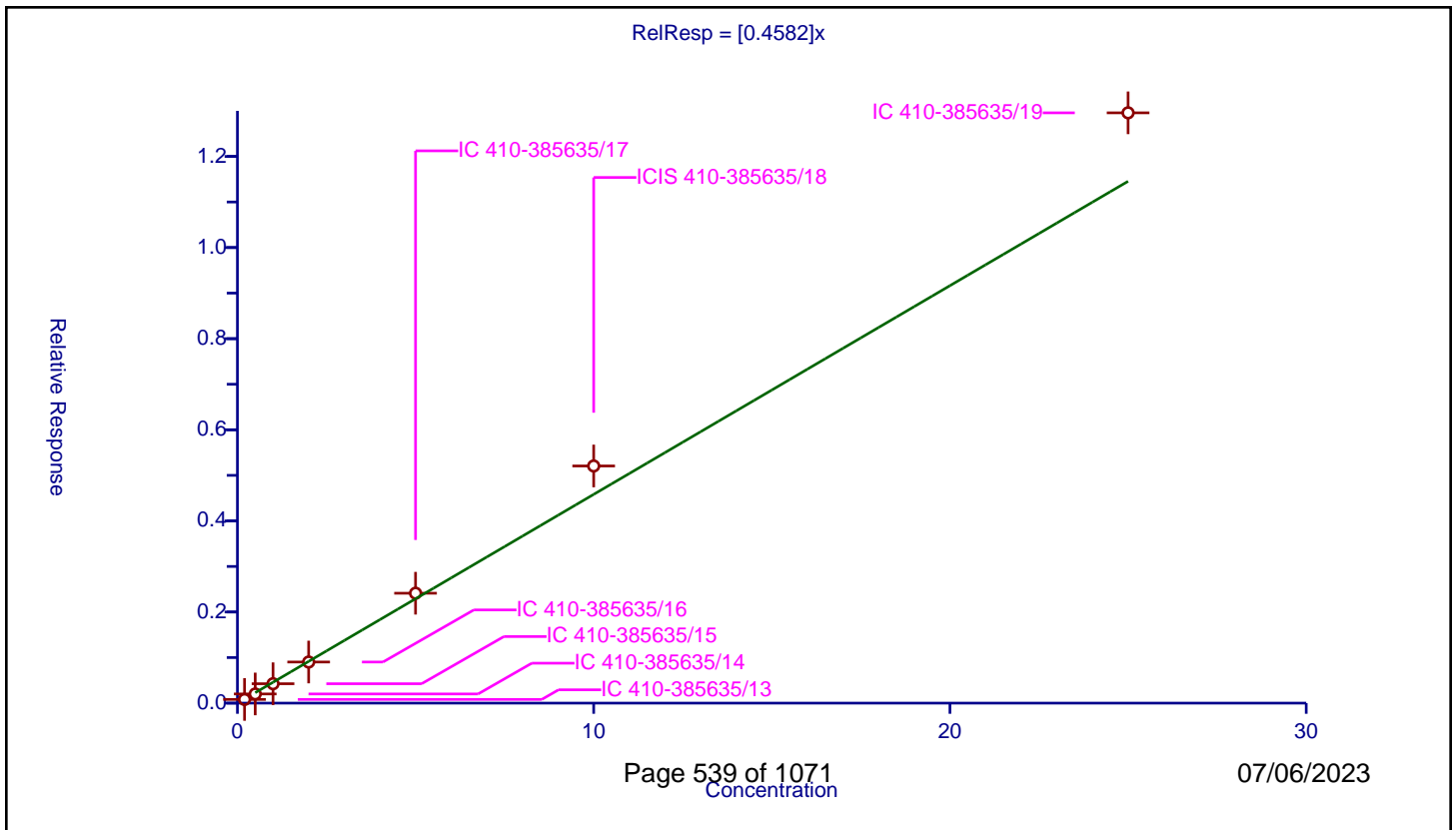
/ trans-1,3-Dichloropropene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4582

Error Coefficients	
Standard Error:	1380000
Relative Standard Error:	10.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.081211	10.0	2327406.0	0.406053	Y
2	IC 410-385635/14	0.5	0.201408	10.0	2304679.0	0.402815	Y
3	IC 410-385635/15	1.0	0.425954	10.0	2335278.0	0.425954	Y
4	IC 410-385635/16	2.0	0.90222	10.0	2275532.0	0.45111	Y
5	IC 410-385635/17	5.0	2.412368	10.0	2256032.0	0.482474	Y
6	ICIS 410-385635/18	10.0	5.20557	10.0	2325903.0	0.520557	Y
7	IC 410-385635/19	25.0	12.957553	10.0	2386422.0	0.518302	Y



Calibration

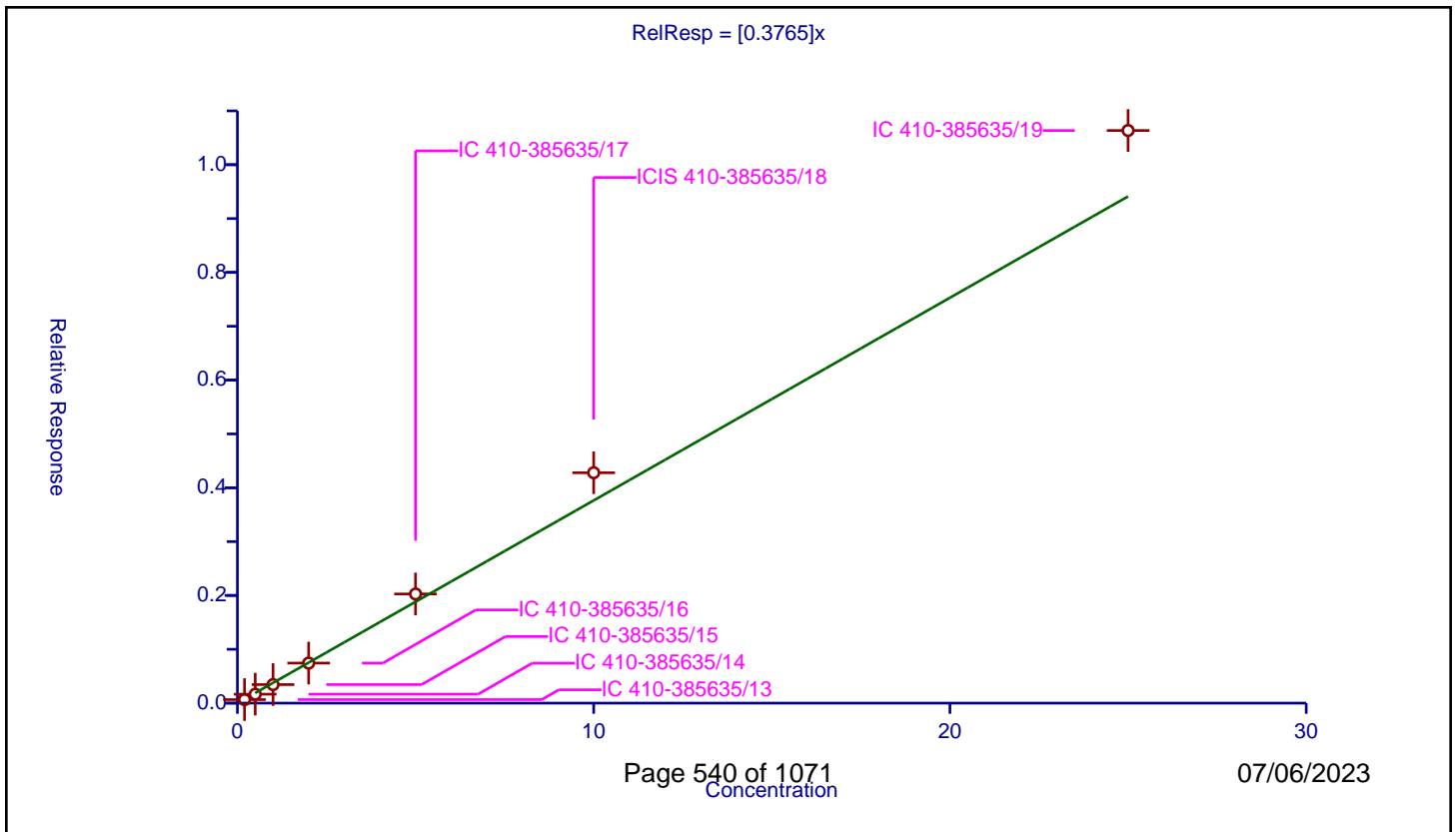
/ Ethyl methacrylate

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

Curve Coefficients	
Intercept:	0
Slope:	0.3765

Error Coefficients	
Standard Error:	1130000
Relative Standard Error:	11.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.065571	10.0	2327406.0	0.327854	Y
2	IC 410-385635/14	0.5	0.16608	10.0	2304679.0	0.332159	Y
3	IC 410-385635/15	1.0	0.344589	10.0	2335278.0	0.344589	Y
4	IC 410-385635/16	2.0	0.743615	10.0	2275532.0	0.371808	Y
5	IC 410-385635/17	5.0	2.027653	10.0	2256032.0	0.405531	Y
6	ICIS 410-385635/18	10.0	4.279379	10.0	2325903.0	0.427938	Y
7	IC 410-385635/19	25.0	10.635634	10.0	2386422.0	0.425425	Y



Calibration

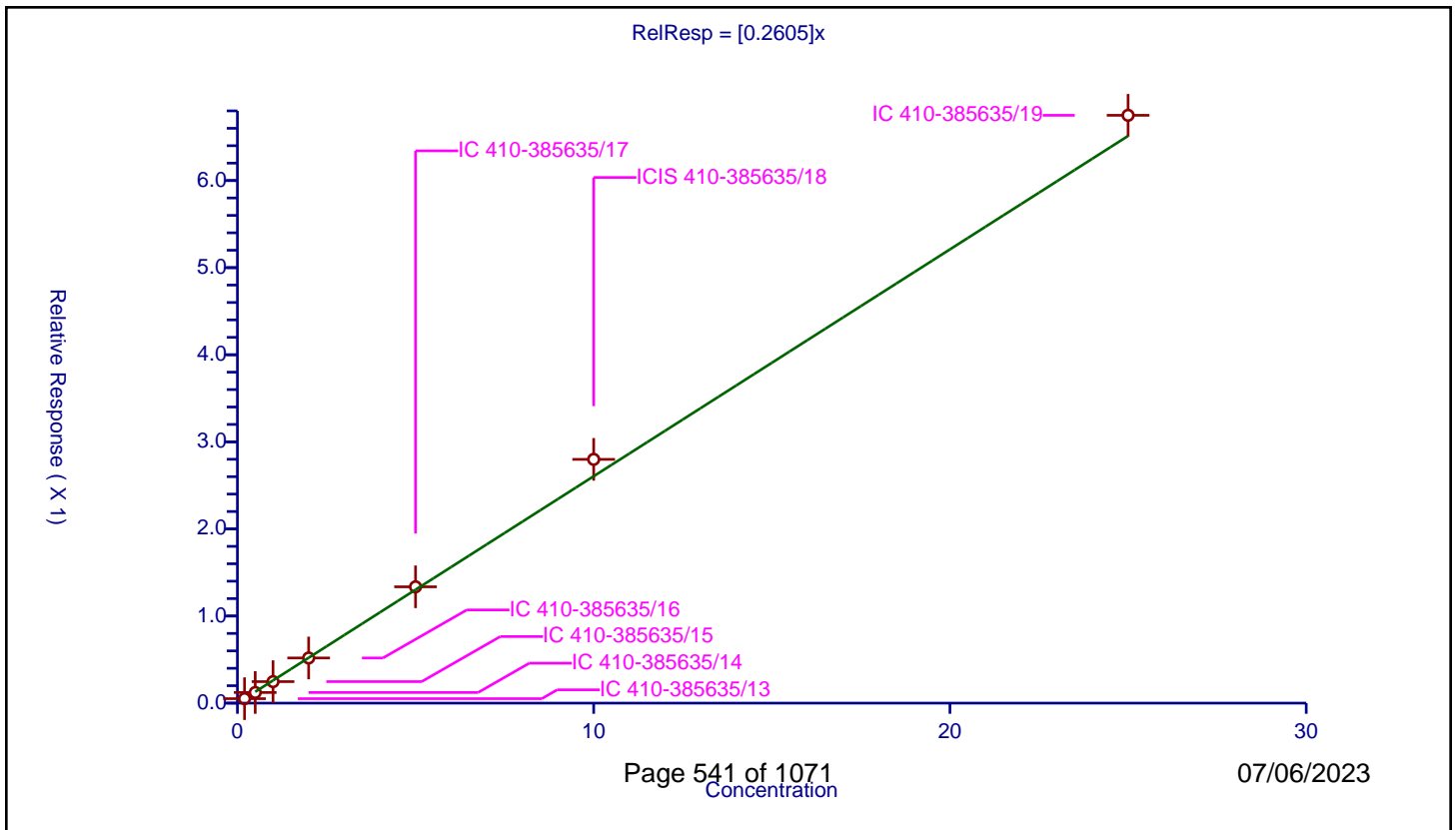
/ 1,1,2-Trichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2605

Error Coefficients	
Standard Error:	722000
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 410-385635/13	0.2	0.051259	10.0	2327406.0	0.256294	Y
2	IC 410-385635/14	0.5	0.122052	10.0	2304679.0	0.244103	Y
3	IC 410-385635/15	1.0	0.246909	10.0	2335278.0	0.246909	Y
4	IC 410-385635/16	2.0	0.51834	10.0	2275532.0	0.25917	Y
5	IC 410-385635/17	5.0	1.335495	10.0	2256032.0	0.267099	Y
6	ICIS 410-385635/18	10.0	2.798814	10.0	2325903.0	0.279881	Y
7	IC 410-385635/19	25.0	6.749083	10.0	2386422.0	0.269963	Y



Calibration

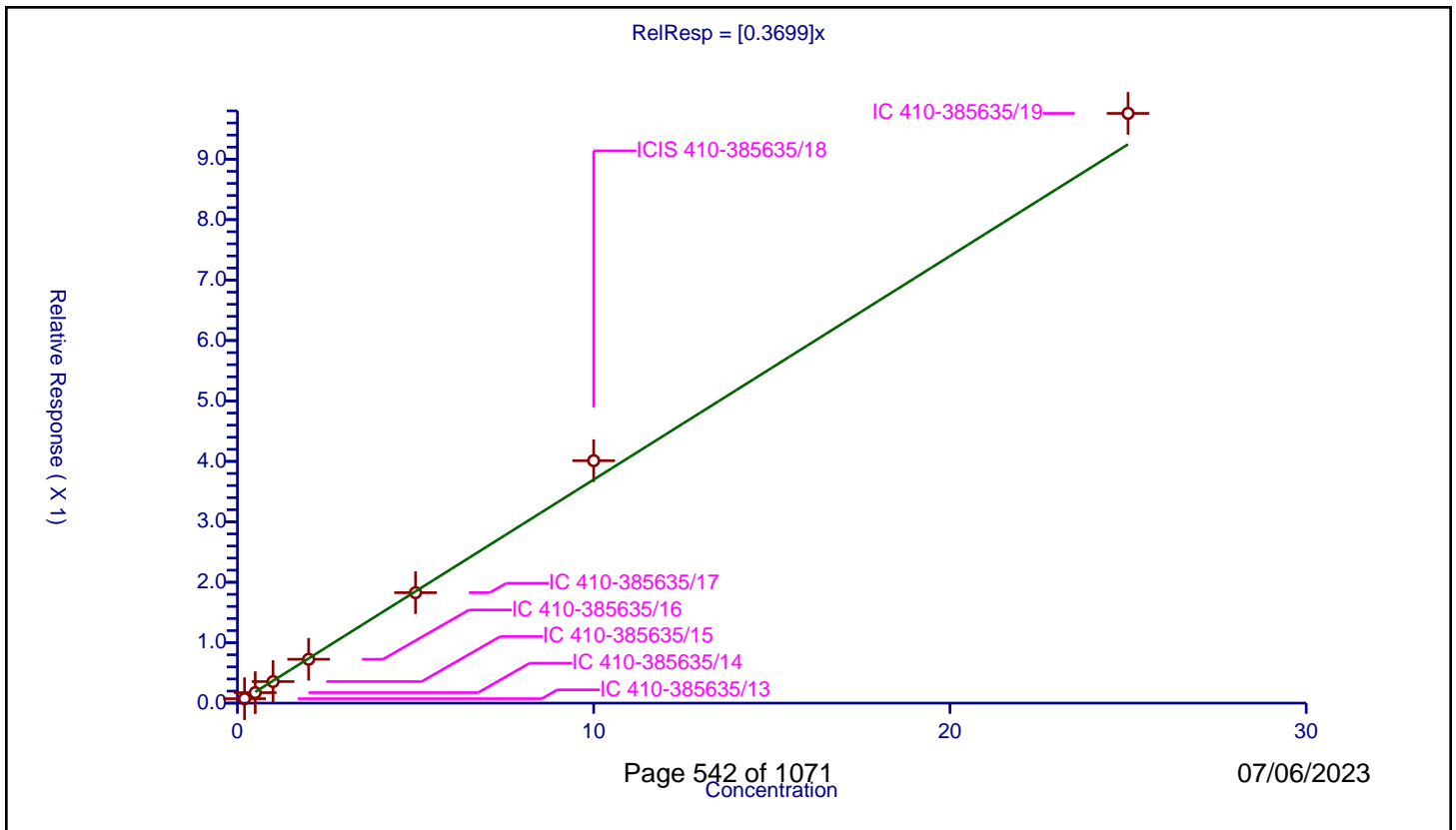
/ Tetrachloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.3699

Error Coefficients	
Standard Error:	1040000
Relative Standard Error:	5.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.073159	10.0	2327406.0	0.365794	Y
2	IC 410-385635/14	0.5	0.173356	10.0	2304679.0	0.346712	Y
3	IC 410-385635/15	1.0	0.356788	10.0	2335278.0	0.356788	Y
4	IC 410-385635/16	2.0	0.725589	10.0	2275532.0	0.362794	Y
5	IC 410-385635/17	5.0	1.827829	10.0	2256032.0	0.365566	Y
6	ICIS 410-385635/18	10.0	4.012235	10.0	2325903.0	0.401224	Y
7	IC 410-385635/19	25.0	9.758773	10.0	2386422.0	0.390351	Y



Calibration

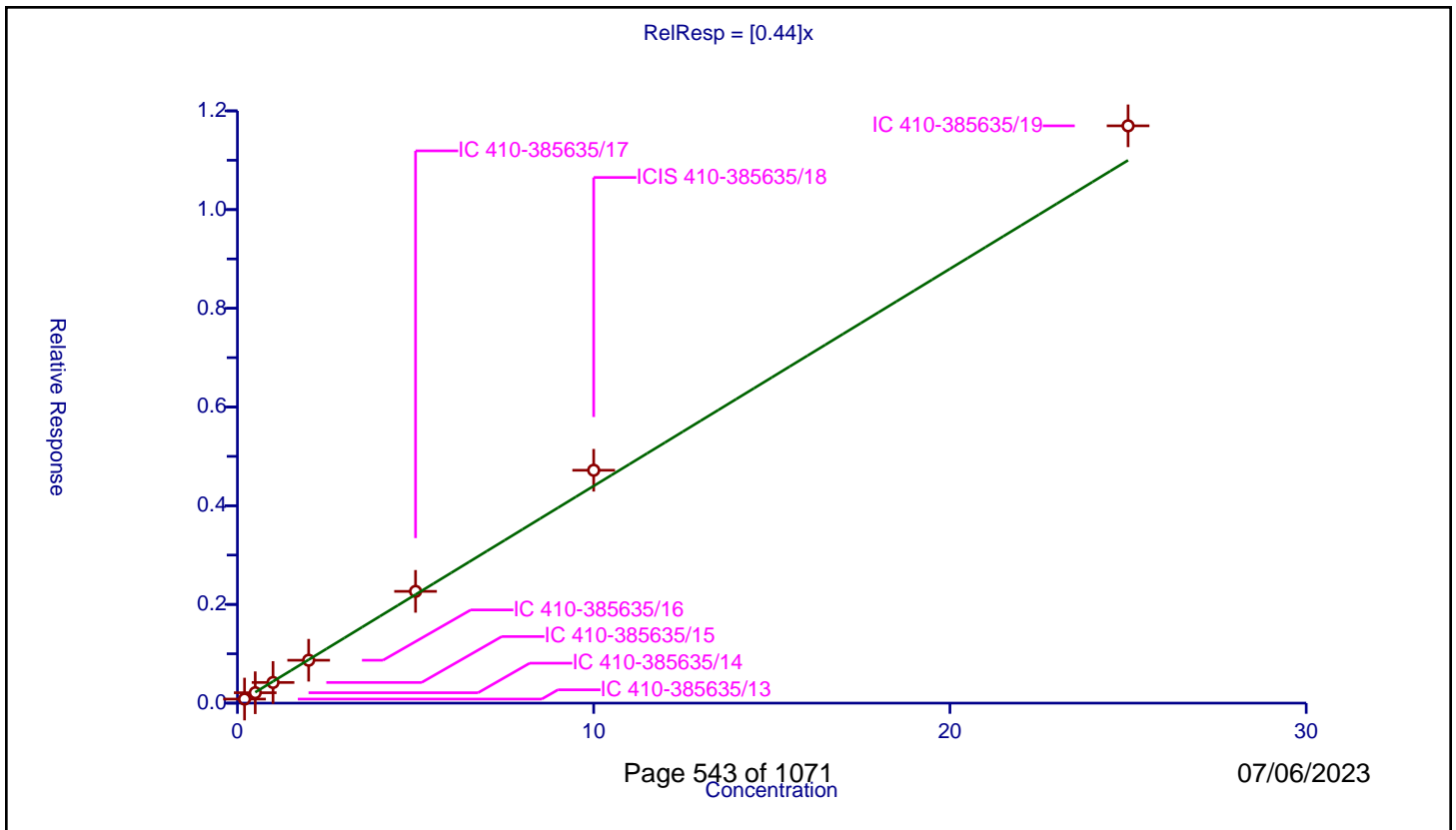
/ 1,3-Dichloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.44

Error Coefficients	
Standard Error:	1250000
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 410-385635/13	0.2	0.082487	10.0	2327406.0	0.412433	Y
2	IC 410-385635/14	0.5	0.210979	10.0	2304679.0	0.421959	Y
3	IC 410-385635/15	1.0	0.418404	10.0	2335278.0	0.418404	Y
4	IC 410-385635/16	2.0	0.868896	10.0	2275532.0	0.434448	Y
5	IC 410-385635/17	5.0	2.264414	10.0	2256032.0	0.452883	Y
6	ICIS 410-385635/18	10.0	4.718662	10.0	2325903.0	0.471866	Y
7	IC 410-385635/19	25.0	11.697214	10.0	2386422.0	0.467889	Y



Calibration

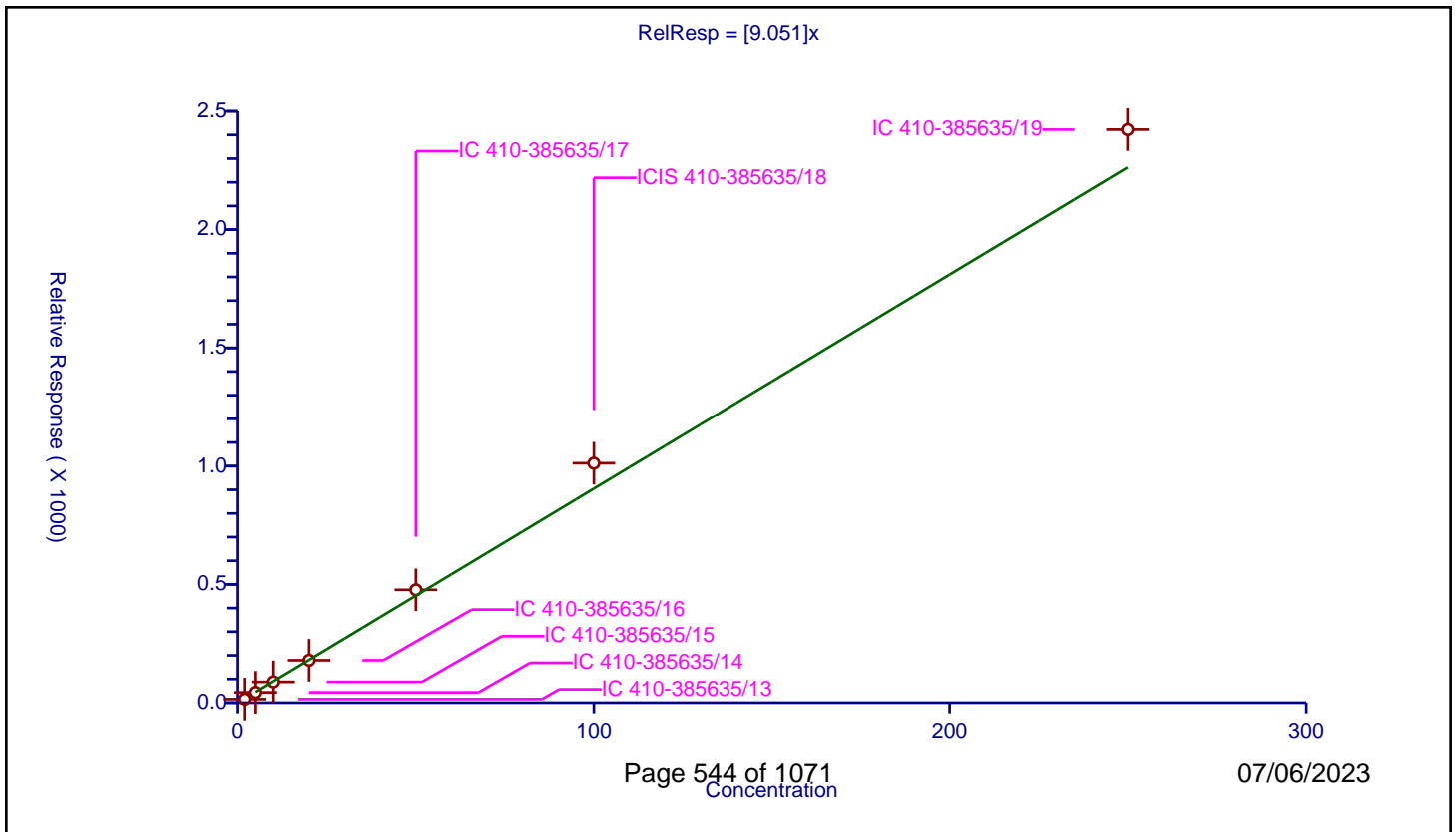
/ 2-Hexanone

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

Curve Coefficients	
Intercept:	0
Slope:	9.051

Error Coefficients	
Standard Error:	5010000
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 410-385635/13	2.0	15.077247	50.0	212111.0	7.538624	Y
2	IC 410-385635/14	5.0	43.547719	50.0	190762.0	8.709544	Y
3	IC 410-385635/15	10.0	87.895494	50.0	207968.0	8.789549	Y
4	IC 410-385635/16	20.0	179.279145	50.0	217339.0	8.963957	Y
5	IC 410-385635/17	50.0	477.044501	50.0	218244.0	9.54089	Y
6	ICIS 410-385635/18	100.0	1012.314498	50.0	220415.0	10.123145	Y
7	IC 410-385635/19	250.0	2422.540891	50.0	231222.0	9.690164	Y



Calibration

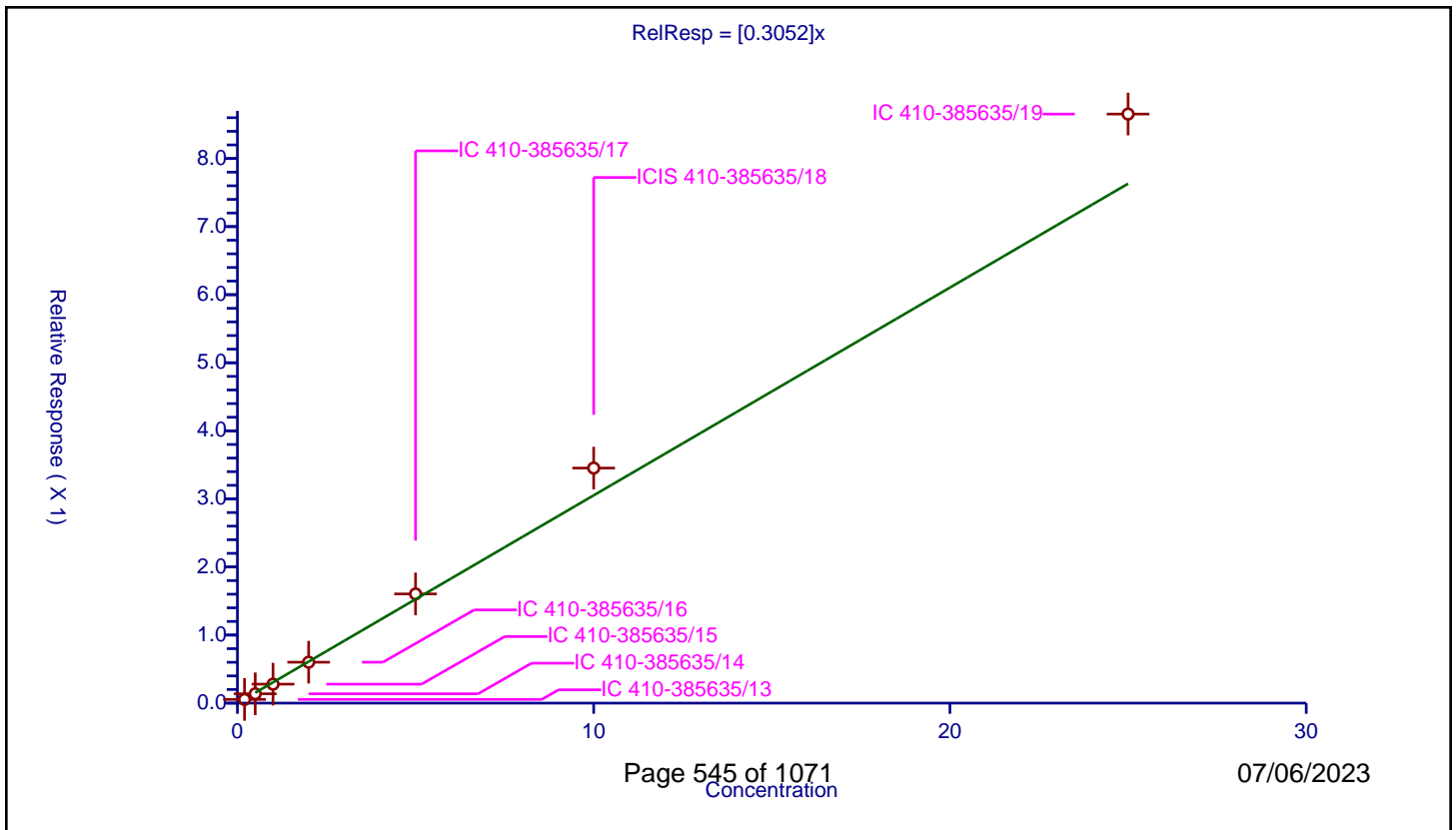
/ Chlorodibromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3052

Error Coefficients	
Standard Error:	919000
Relative Standard Error:	10.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.054185	10.0	2327406.0	0.270924	Y
2	IC 410-385635/14	0.5	0.137065	10.0	2304679.0	0.274129	Y
3	IC 410-385635/15	1.0	0.278733	10.0	2335278.0	0.278733	Y
4	IC 410-385635/16	2.0	0.601196	10.0	2275532.0	0.300598	Y
5	IC 410-385635/17	5.0	1.603851	10.0	2256032.0	0.32077	Y
6	ICIS 410-385635/18	10.0	3.45302	10.0	2325903.0	0.345302	Y
7	IC 410-385635/19	25.0	8.653461	10.0	2386422.0	0.346138	Y



Calibration

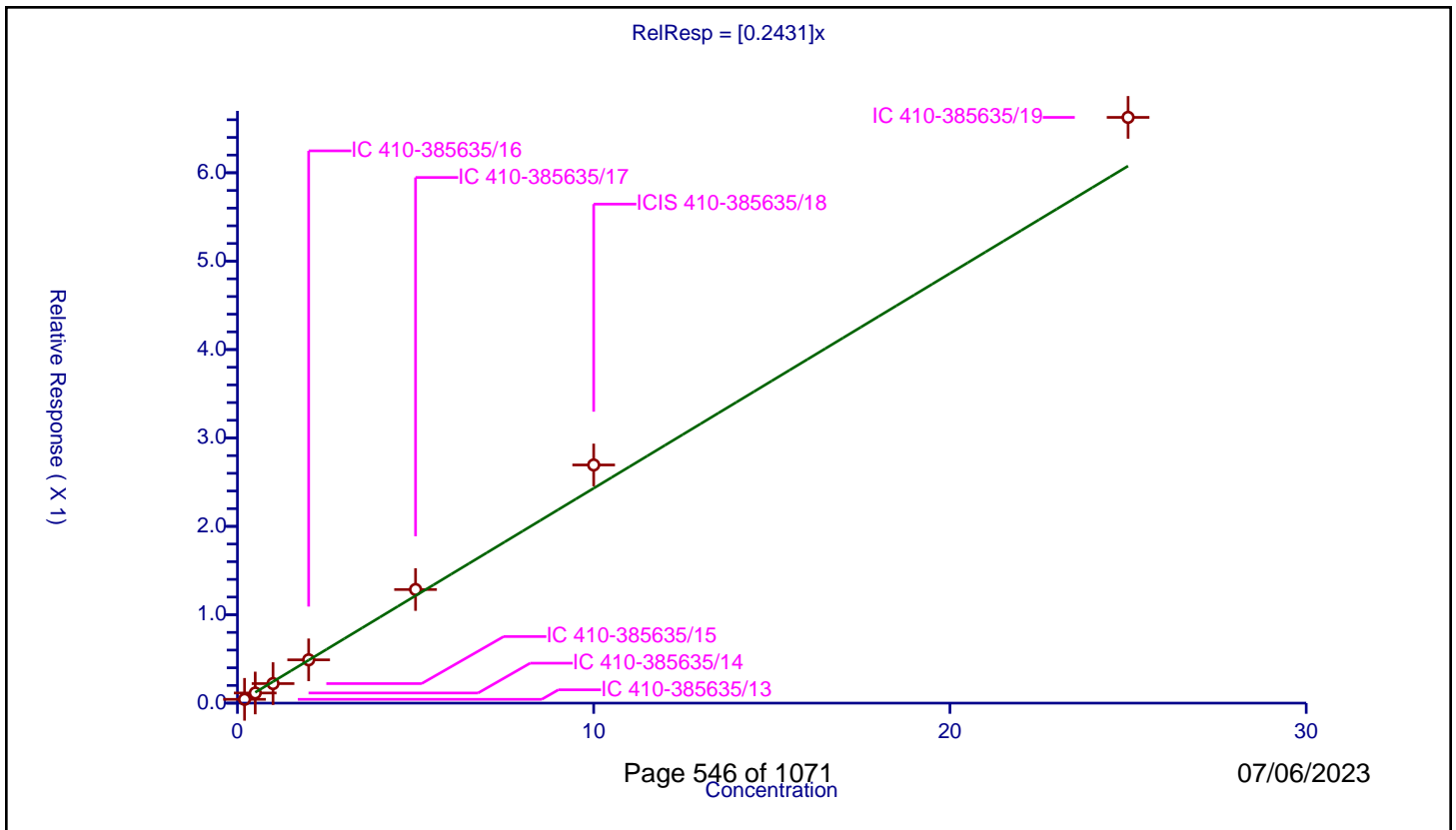
/ Ethylene Dibromide

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

Curve Coefficients	
Intercept:	0
Slope:	0.2431

Error Coefficients	
Standard Error:	706000
Relative Standard Error:	9.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.042923	10.0	2327406.0	0.214617	Y
2	IC 410-385635/14	0.5	0.114623	10.0	2304679.0	0.229247	Y
3	IC 410-385635/15	1.0	0.221032	10.0	2335278.0	0.221032	Y
4	IC 410-385635/16	2.0	0.489881	10.0	2275532.0	0.244941	Y
5	IC 410-385635/17	5.0	1.285363	10.0	2256032.0	0.257073	Y
6	ICIS 410-385635/18	10.0	2.694416	10.0	2325903.0	0.269442	Y
7	IC 410-385635/19	25.0	6.62641	10.0	2386422.0	0.265056	Y



Calibration

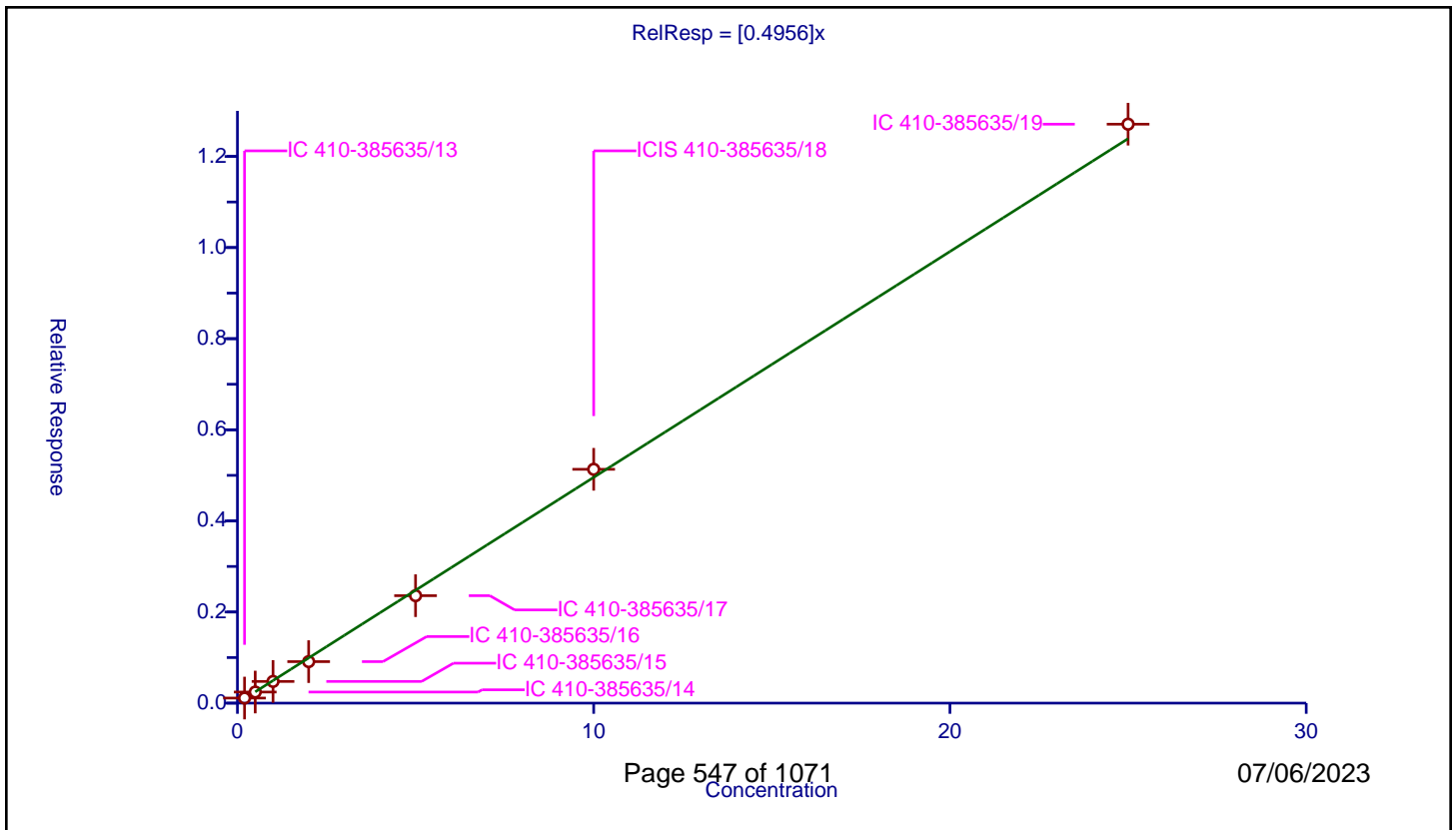
/ 1-Chlorohexane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4956

Error Coefficients	
Standard Error:	1350000
Relative Standard Error:	6.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.111463	10.0	2327406.0	0.557316	Y
2	IC 410-385635/14	0.5	0.243361	10.0	2304679.0	0.486723	Y
3	IC 410-385635/15	1.0	0.476359	10.0	2335278.0	0.476359	Y
4	IC 410-385635/16	2.0	0.91133	10.0	2275532.0	0.455665	Y
5	IC 410-385635/17	5.0	2.358548	10.0	2256032.0	0.47171	Y
6	ICIS 410-385635/18	10.0	5.132428	10.0	2325903.0	0.513243	Y
7	IC 410-385635/19	25.0	12.708012	10.0	2386422.0	0.50832	Y



Calibration

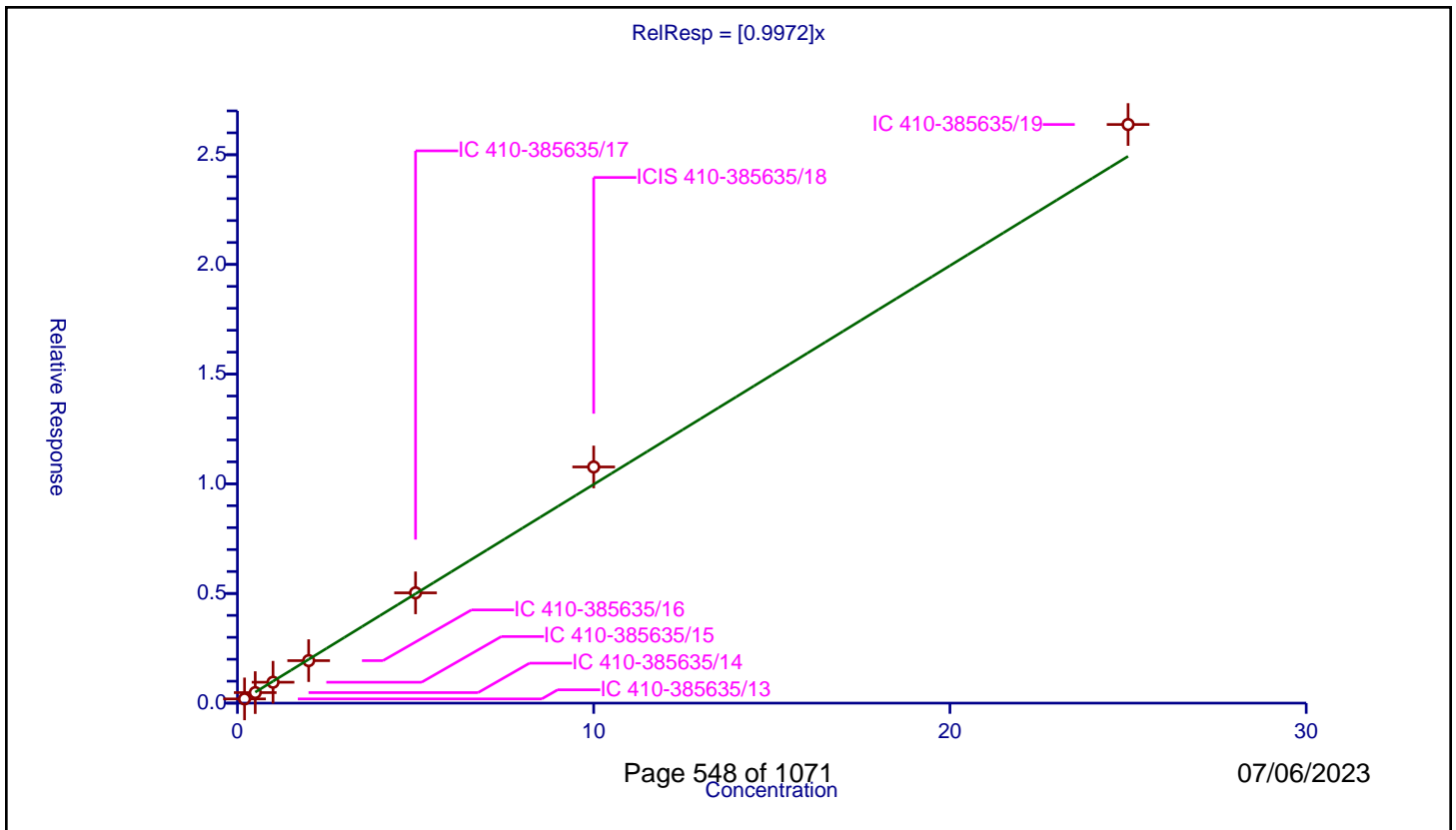
/ Chlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.9972

Error Coefficients	
Standard Error:	2810000
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 410-385635/13	0.2	0.192261	10.0	2327406.0	0.961306	Y
2	IC 410-385635/14	0.5	0.480154	10.0	2304679.0	0.960307	Y
3	IC 410-385635/15	1.0	0.953099	10.0	2335278.0	0.953099	Y
4	IC 410-385635/16	2.0	1.936822	10.0	2275532.0	0.968411	Y
5	IC 410-385635/17	5.0	5.027739	10.0	2256032.0	1.005548	Y
6	ICIS 410-385635/18	10.0	10.766773	10.0	2325903.0	1.076677	Y
7	IC 410-385635/19	25.0	26.378964	10.0	2386422.0	1.055159	Y



Calibration

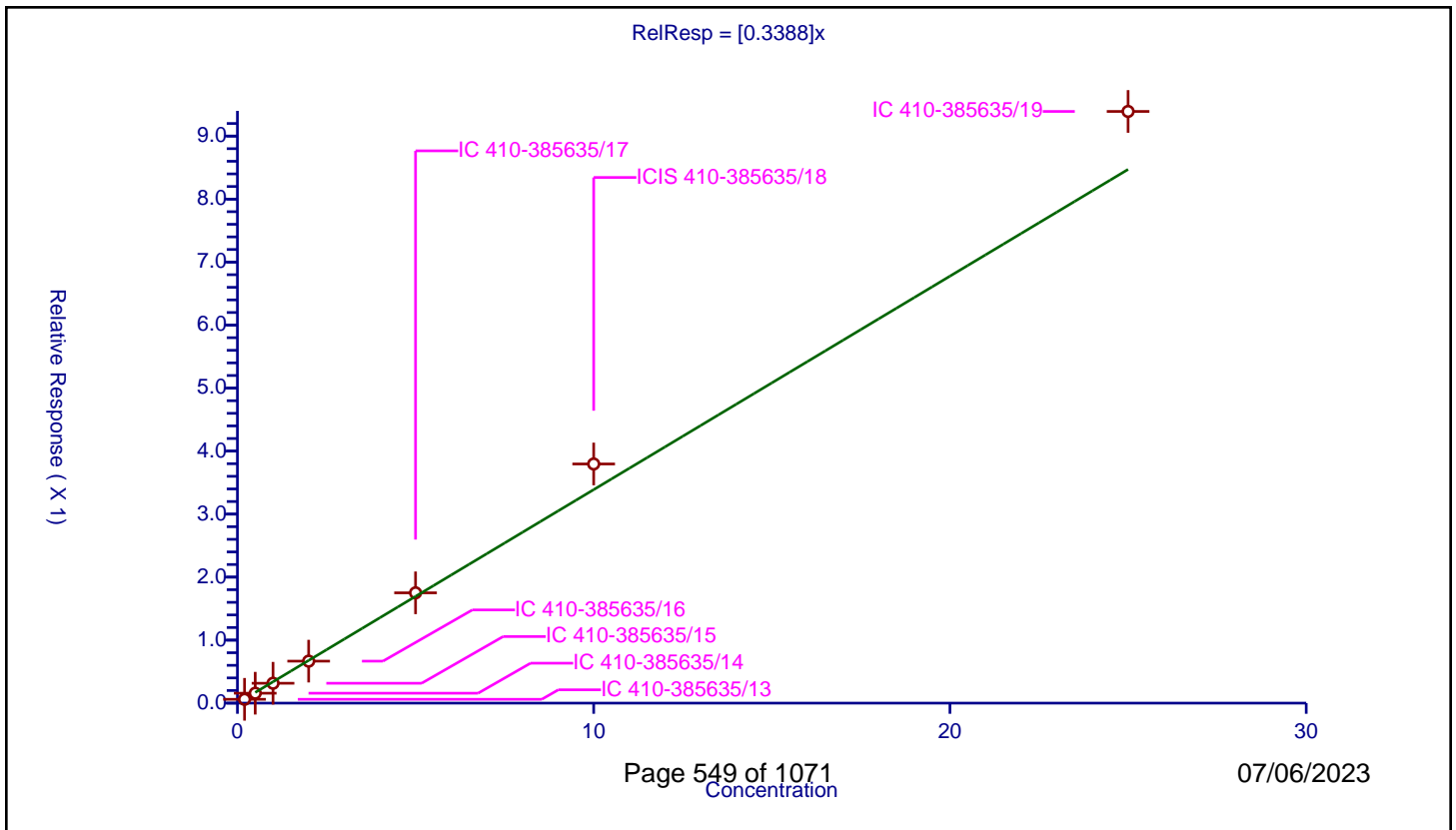
/ 1,1,1,2-Tetrachloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3388

Error Coefficients	
Standard Error:	999000
Relative Standard Error:	9.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.060673	10.0	2327406.0	0.303363	Y
2	IC 410-385635/14	0.5	0.15728	10.0	2304679.0	0.31456	Y
3	IC 410-385635/15	1.0	0.315449	10.0	2335278.0	0.315449	Y
4	IC 410-385635/16	2.0	0.666288	10.0	2275532.0	0.333144	Y
5	IC 410-385635/17	5.0	1.750733	10.0	2256032.0	0.350147	Y
6	ICIS 410-385635/18	10.0	3.795876	10.0	2325903.0	0.379588	Y
7	IC 410-385635/19	25.0	9.391223	10.0	2386422.0	0.375649	Y



Calibration

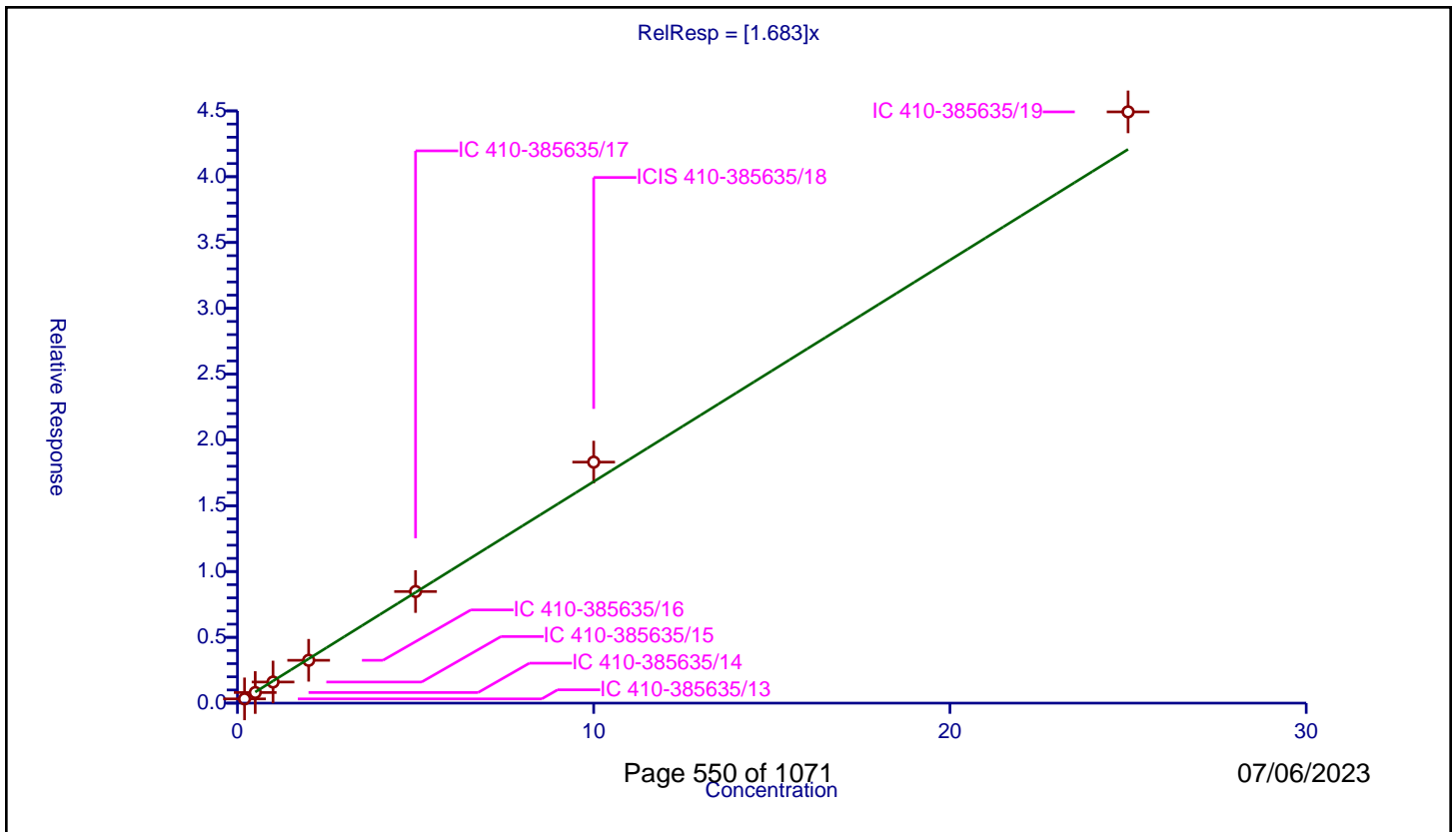
/ Ethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.683

Error Coefficients	
Standard Error:	4790000
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 410-385635/13	0.2	0.323218	10.0	2327406.0	1.616091	Y
2	IC 410-385635/14	0.5	0.805618	10.0	2304679.0	1.611235	Y
3	IC 410-385635/15	1.0	1.603818	10.0	2335278.0	1.603818	Y
4	IC 410-385635/16	2.0	3.254171	10.0	2275532.0	1.627085	Y
5	IC 410-385635/17	5.0	8.47949	10.0	2256032.0	1.695898	Y
6	ICIS 410-385635/18	10.0	18.314302	10.0	2325903.0	1.83143	Y
7	IC 410-385635/19	25.0	44.925399	10.0	2386422.0	1.797016	Y



Calibration

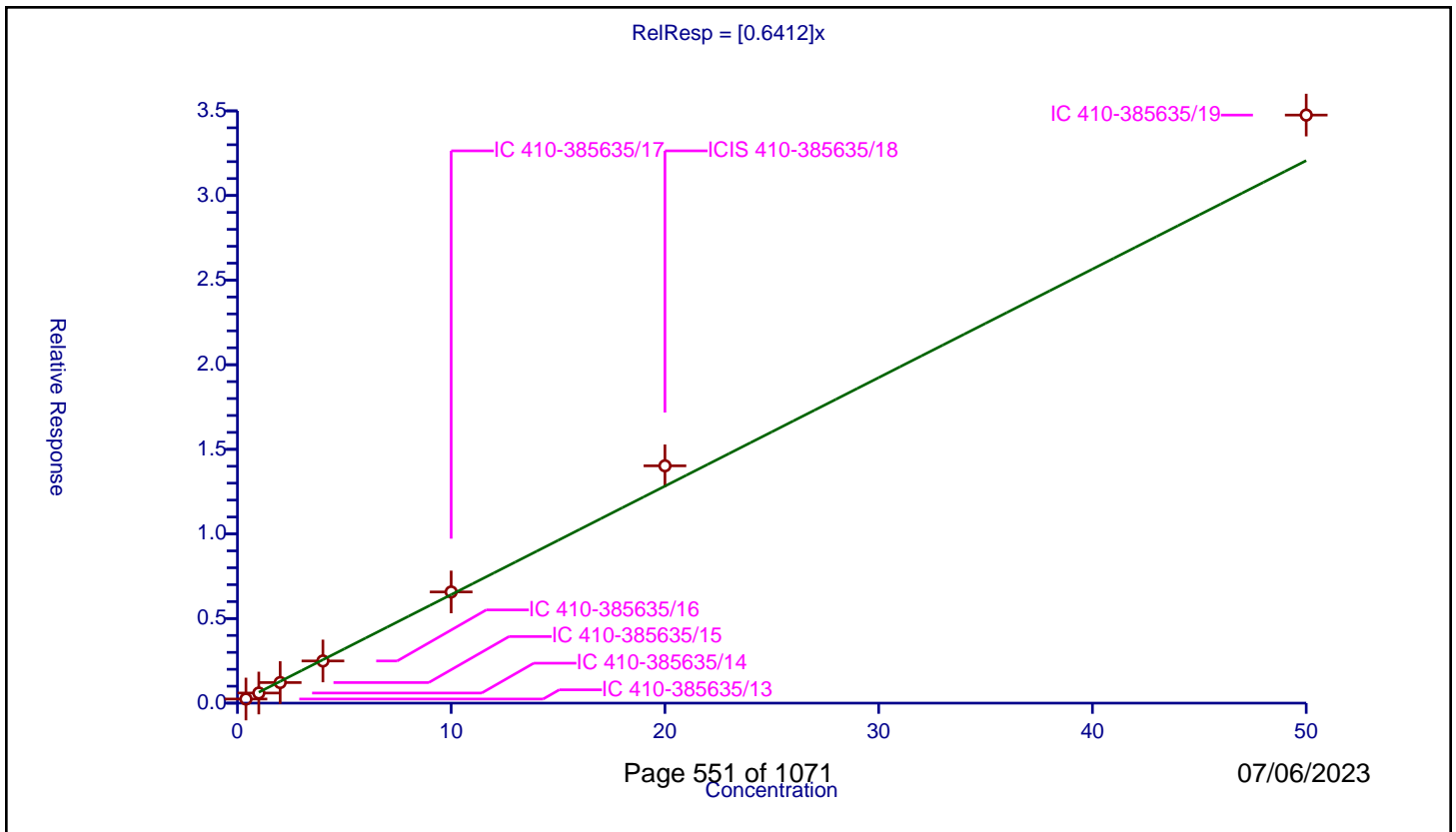
/ m-Xylene & p-Xylene

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

Curve Coefficients	
Intercept:	0
Slope:	0.6412

Error Coefficients	
Standard Error:	3700000
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 410-385635/13	0.4	0.24245	10.0	2327406.0	0.606125	Y
2	IC 410-385635/14	1.0	0.597914	10.0	2304679.0	0.597914	Y
3	IC 410-385635/15	2.0	1.215915	10.0	2335278.0	0.607958	Y
4	IC 410-385635/16	4.0	2.493013	10.0	2275532.0	0.623253	Y
5	IC 410-385635/17	10.0	6.570399	10.0	2256032.0	0.65704	Y
6	ICIS 410-385635/18	20.0	14.024613	10.0	2325903.0	0.701231	Y
7	IC 410-385635/19	50.0	34.752873	10.0	2386422.0	0.695057	Y



Calibration

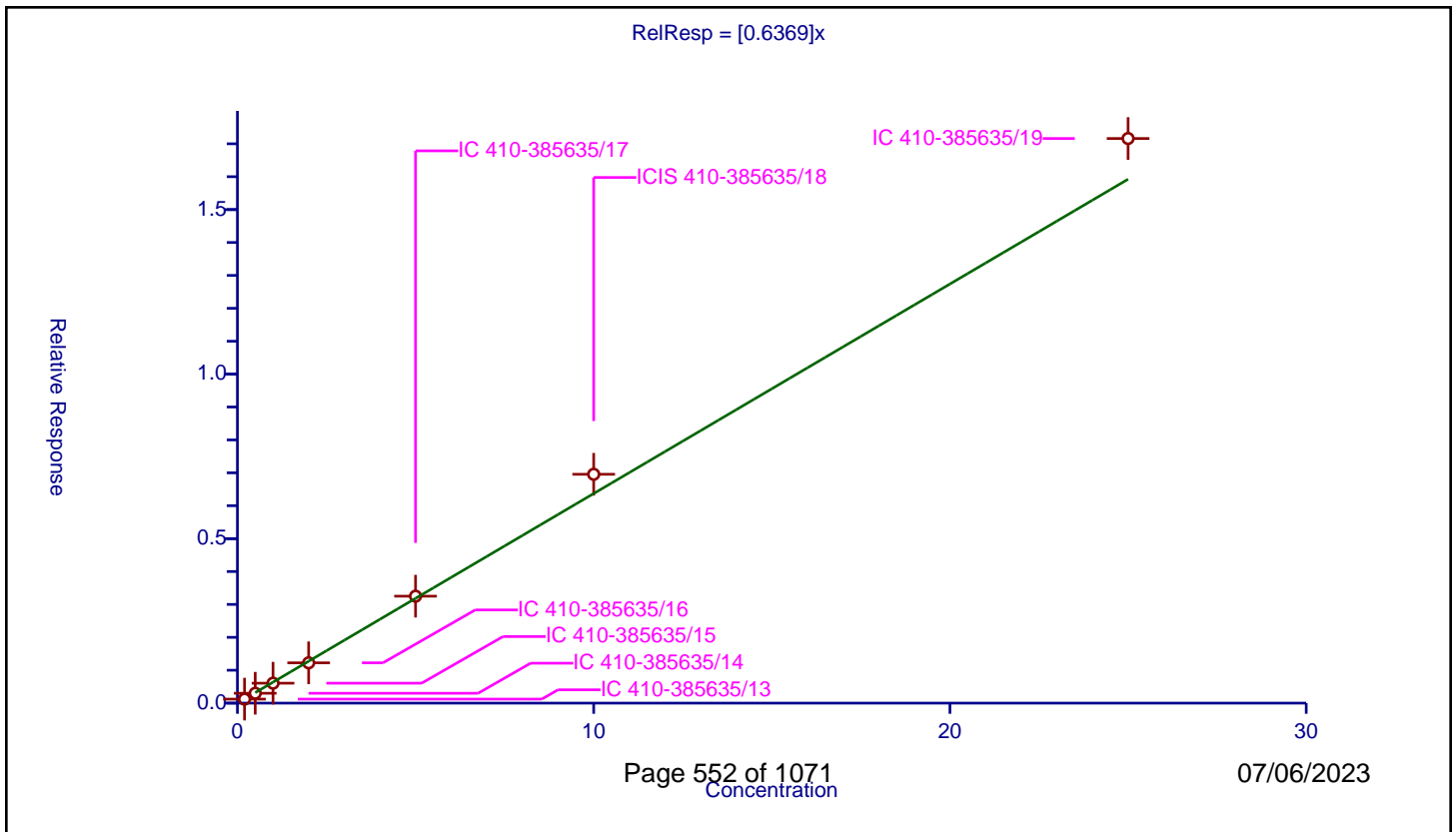
/ o-Xylene

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

Curve Coefficients	
Intercept:	0
Slope:	0.6369

Error Coefficients	
Standard Error:	1830000
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 410-385635/13	0.2	0.121706	10.0	2327406.0	0.608532	Y
2	IC 410-385635/14	0.5	0.299838	10.0	2304679.0	0.599676	Y
3	IC 410-385635/15	1.0	0.605928	10.0	2335278.0	0.605928	Y
4	IC 410-385635/16	2.0	1.224791	10.0	2275532.0	0.612395	Y
5	IC 410-385635/17	5.0	3.250215	10.0	2256032.0	0.650043	Y
6	ICIS 410-385635/18	10.0	6.955226	10.0	2325903.0	0.695523	Y
7	IC 410-385635/19	25.0	17.160888	10.0	2386422.0	0.686436	Y



Calibration

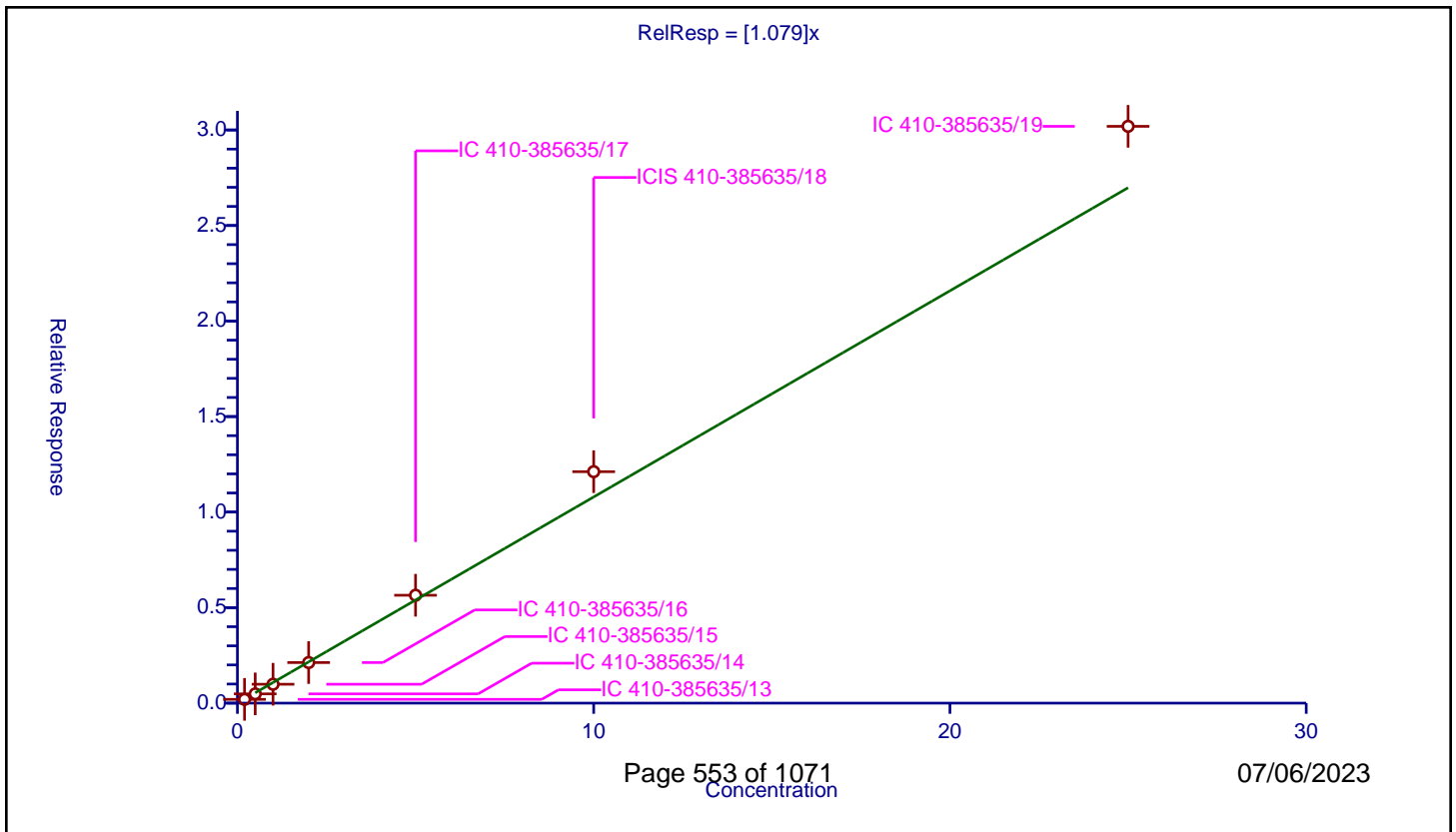
/ Styrene

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

Curve Coefficients	
Intercept:	0
Slope:	1.079

Error Coefficients	
Standard Error:	3210000
Relative Standard Error:	9.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.196966	10.0	2327406.0	0.98483	Y
2	IC 410-385635/14	0.5	0.484744	10.0	2304679.0	0.969489	Y
3	IC 410-385635/15	1.0	0.98912	10.0	2335278.0	0.98912	Y
4	IC 410-385635/16	2.0	2.124259	10.0	2275532.0	1.06213	Y
5	IC 410-385635/17	5.0	5.646352	10.0	2256032.0	1.12927	Y
6	ICIS 410-385635/18	10.0	12.115118	10.0	2325903.0	1.211512	Y
7	IC 410-385635/19	25.0	30.191622	10.0	2386422.0	1.207665	Y



Calibration

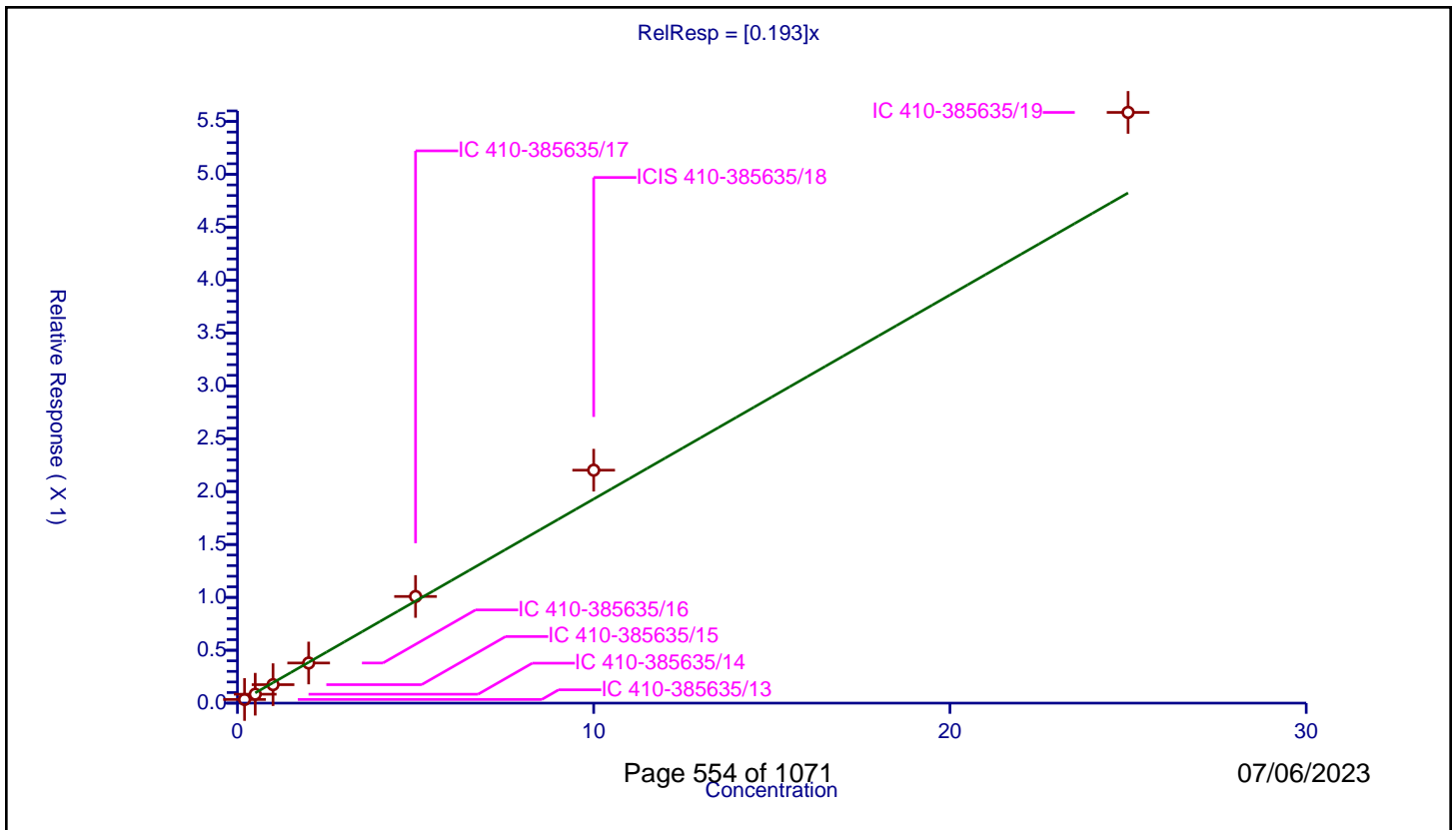
/ Bromoform

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

Curve Coefficients	
Intercept:	0
Slope:	0.193

Error Coefficients	
Standard Error:	592000
Relative Standard Error:	11.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.034489	10.0	2327406.0	0.172445	Y
2	IC 410-385635/14	0.5	0.084363	10.0	2304679.0	0.168726	Y
3	IC 410-385635/15	1.0	0.174596	10.0	2335278.0	0.174596	Y
4	IC 410-385635/16	2.0	0.379362	10.0	2275532.0	0.189681	Y
5	IC 410-385635/17	5.0	1.008425	10.0	2256032.0	0.201685	Y
6	ICIS 410-385635/18	10.0	2.202633	10.0	2325903.0	0.220263	Y
7	IC 410-385635/19	25.0	5.585743	10.0	2386422.0	0.22343	Y



Calibration

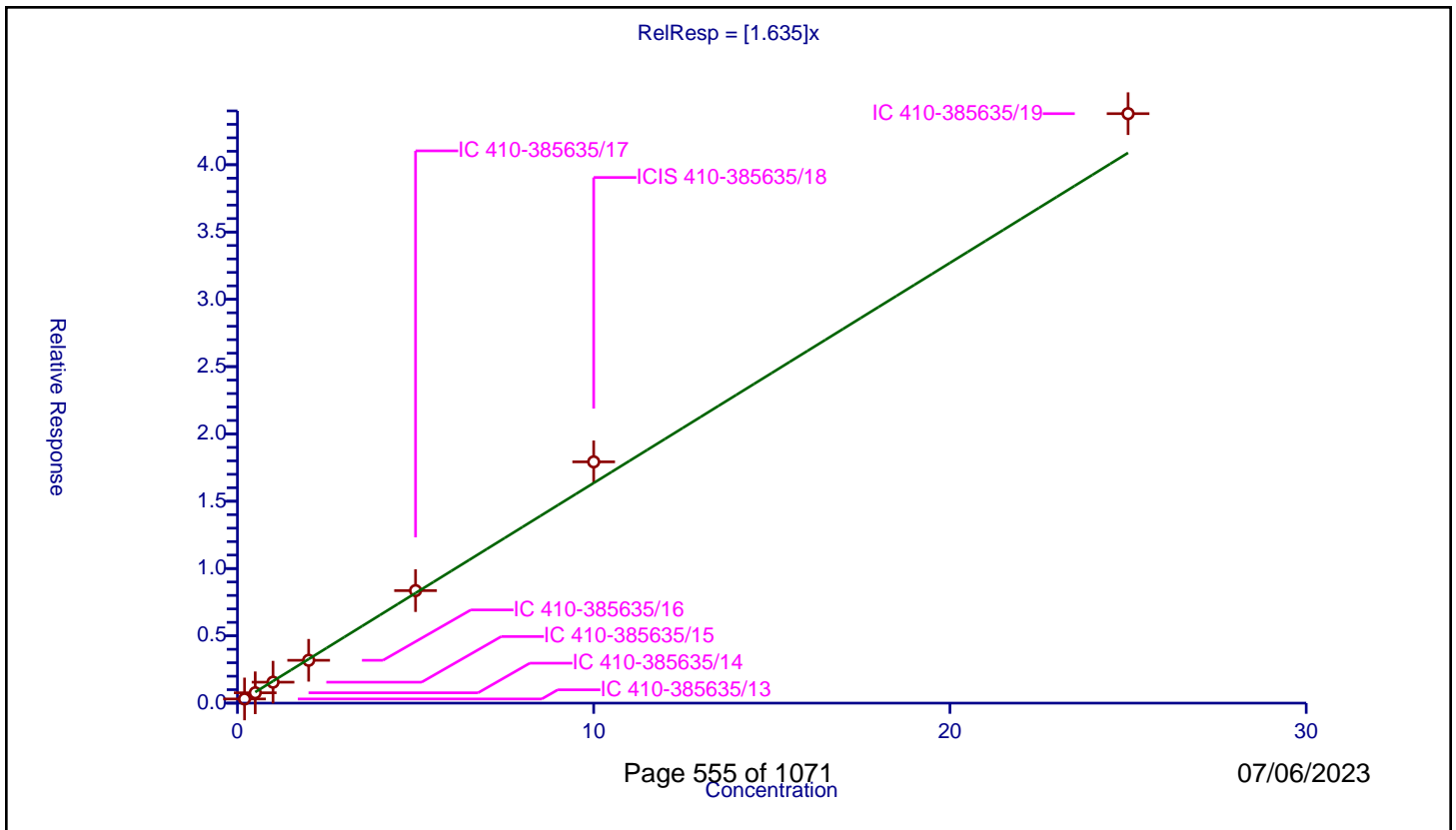
/ Isopropylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.635

Error Coefficients	
Standard Error:	4670000
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 410-385635/13	0.2	0.308747	10.0	2327406.0	1.543736	Y
2	IC 410-385635/14	0.5	0.769426	10.0	2304679.0	1.538852	Y
3	IC 410-385635/15	1.0	1.556928	10.0	2335278.0	1.556928	Y
4	IC 410-385635/16	2.0	3.183212	10.0	2275532.0	1.591606	Y
5	IC 410-385635/17	5.0	8.359305	10.0	2256032.0	1.671861	Y
6	ICIS 410-385635/18	10.0	17.92619	10.0	2325903.0	1.792619	Y
7	IC 410-385635/19	25.0	43.793541	10.0	2386422.0	1.751742	Y



Calibration

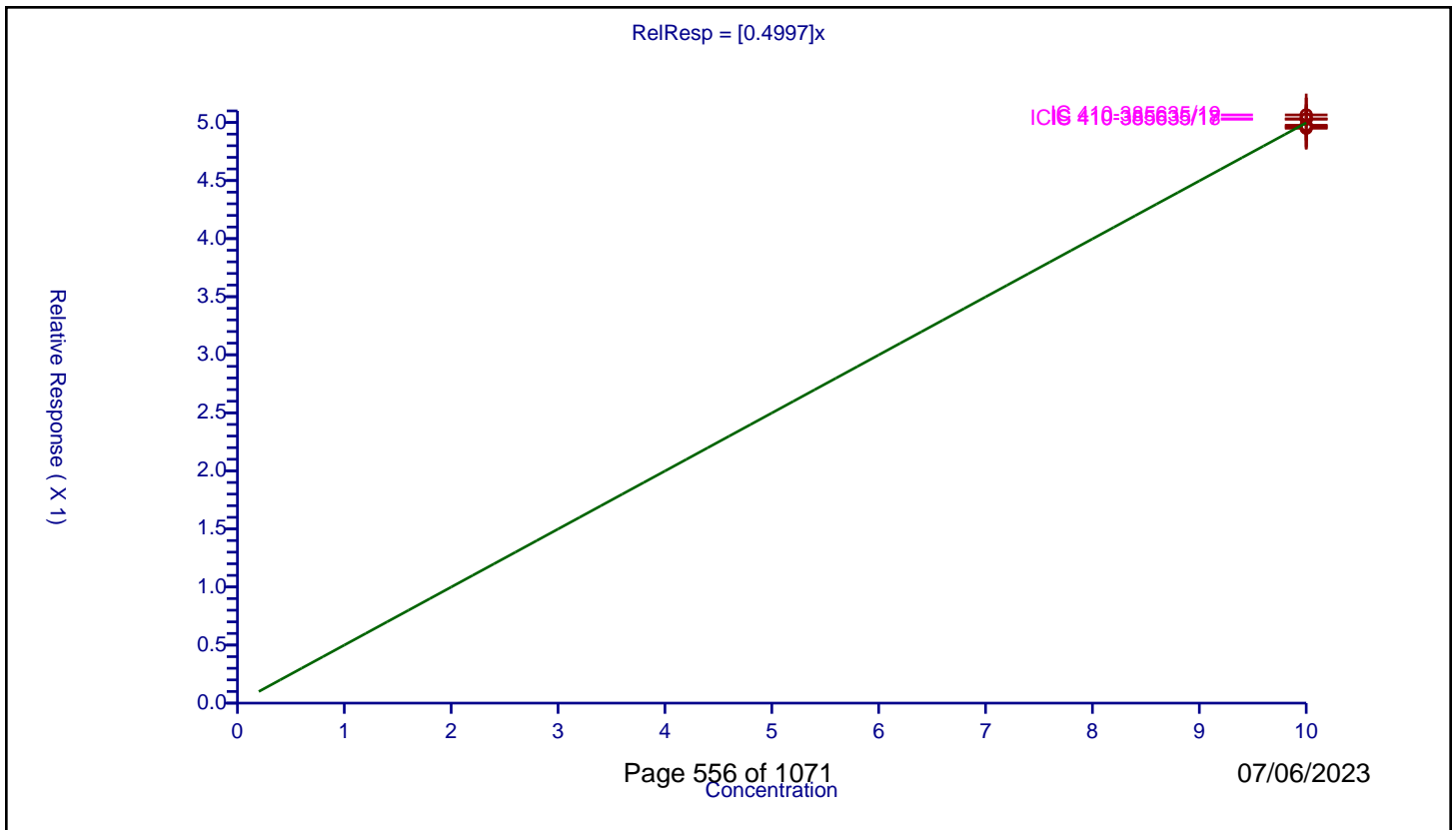
/ 4-Bromofluorobenzene (Surr)

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

Curve Coefficients	
Intercept:	0
Slope:	0.4997

Error Coefficients	
Standard Error:	1250000
Relative Standard Error:	0.9
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	10.0	4.976038	10.0	2327406.0	0.497604	Y
2	IC 410-385635/14	10.0	4.969139	10.0	2304679.0	0.496914	Y
3	IC 410-385635/15	10.0	4.95708	10.0	2335278.0	0.495708	Y
4	IC 410-385635/16	10.0	4.950499	10.0	2275532.0	0.49505	Y
5	IC 410-385635/17	10.0	5.028781	10.0	2256032.0	0.502878	Y
6	ICIS 410-385635/18	10.0	5.031904	10.0	2325903.0	0.50319	Y
7	IC 410-385635/19	10.0	5.065395	10.0	2386422.0	0.506539	Y



Calibration

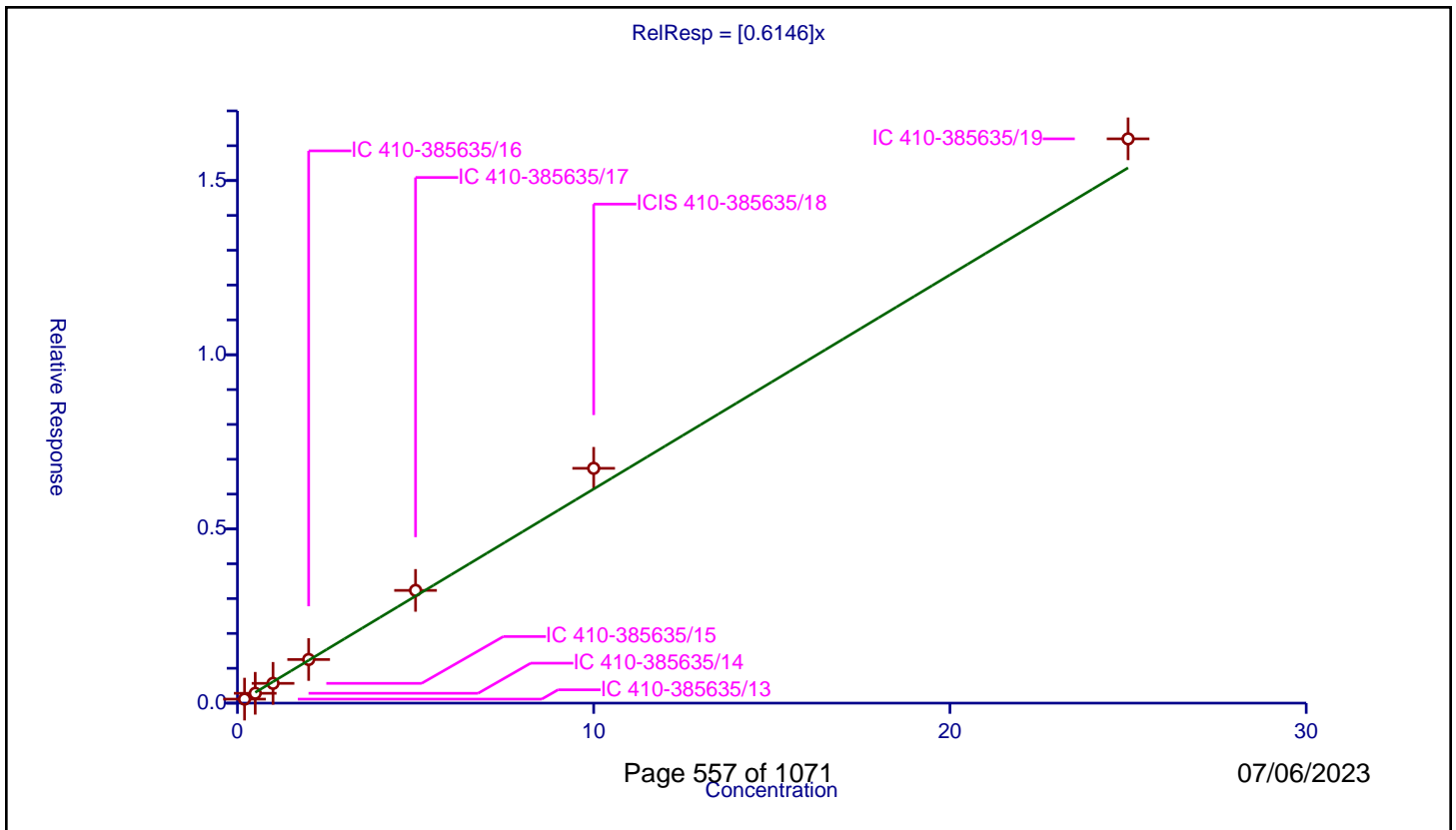
/ 1,1,2,2-Tetrachloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.6146

Error Coefficients	
Standard Error:	1000000
Relative Standard Error:	7.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.115088	10.0	1281544.0	0.575439	Y
2	IC 410-385635/14	0.5	0.282293	10.0	1265988.0	0.564587	Y
3	IC 410-385635/15	1.0	0.567449	10.0	1298424.0	0.567449	Y
4	IC 410-385635/16	2.0	1.251951	10.0	1269850.0	0.625976	Y
5	IC 410-385635/17	5.0	3.235584	10.0	1271792.0	0.647117	Y
6	ICIS 410-385635/18	10.0	6.740396	10.0	1322900.0	0.67404	Y
7	IC 410-385635/19	25.0	16.197643	10.0	1386958.0	0.647906	Y



Calibration

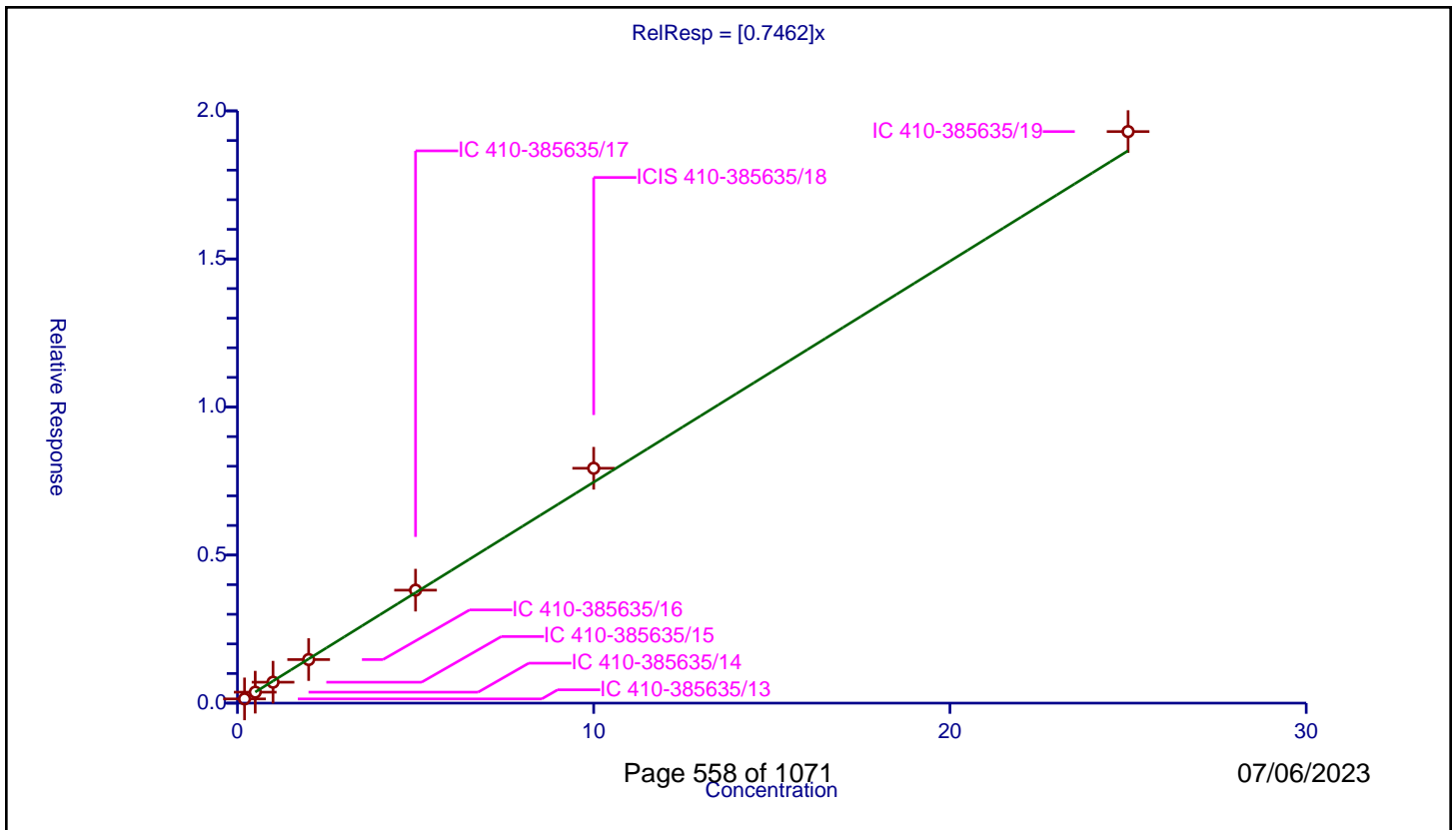
/ Bromobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.7462

Error Coefficients	
Standard Error:	1190000
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 410-385635/13	0.2	0.142843	10.0	1281544.0	0.714217	Y
2	IC 410-385635/14	0.5	0.369743	10.0	1265988.0	0.739486	Y
3	IC 410-385635/15	1.0	0.706148	10.0	1298424.0	0.706148	Y
4	IC 410-385635/16	2.0	1.470701	10.0	1269850.0	0.735351	Y
5	IC 410-385635/17	5.0	3.815309	10.0	1271792.0	0.763062	Y
6	ICIS 410-385635/18	10.0	7.931348	10.0	1322900.0	0.793135	Y
7	IC 410-385635/19	25.0	19.301219	10.0	1386958.0	0.772049	Y



Calibration

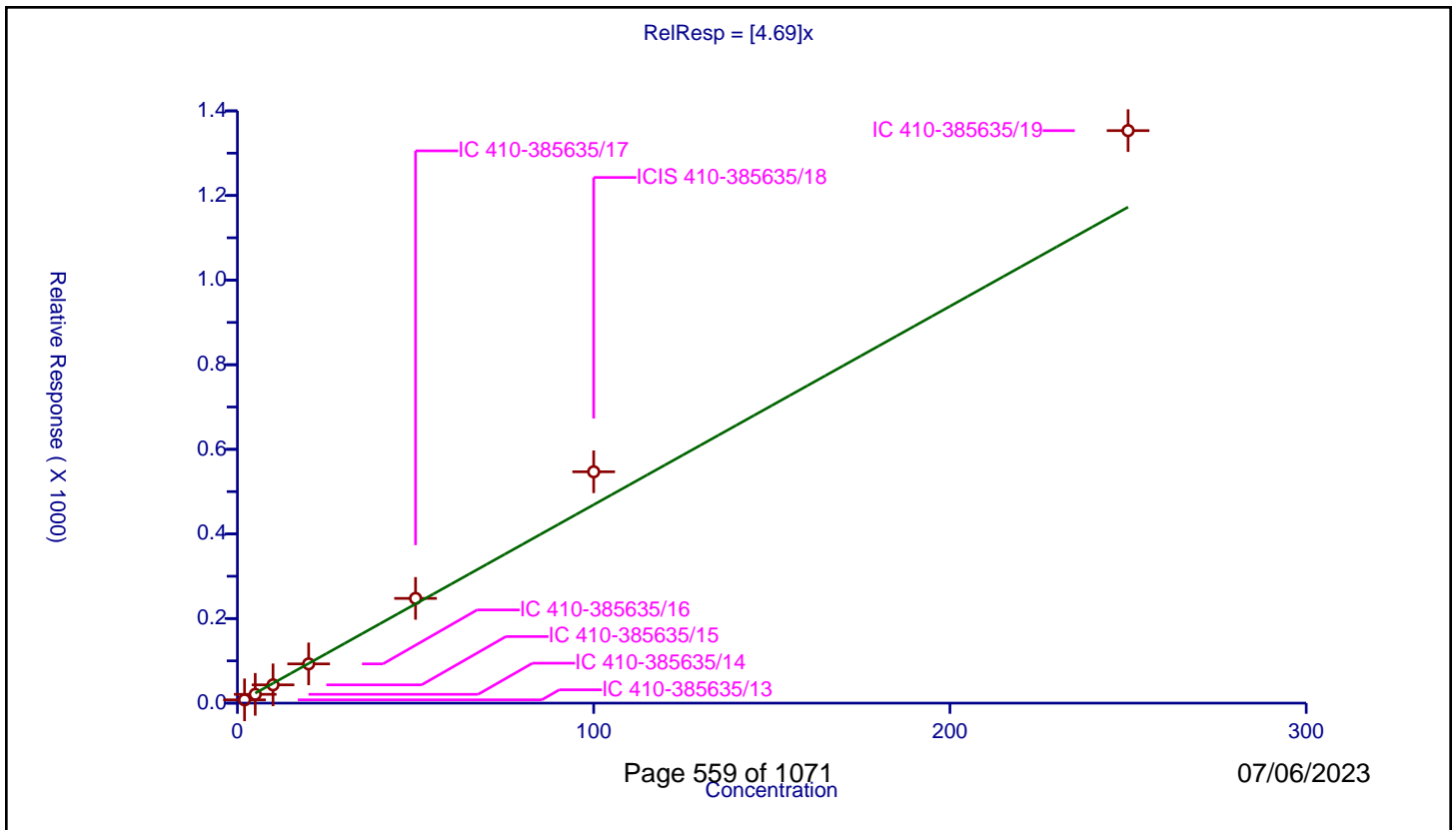
/ trans-1,4-Dichloro-2-butene

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

Curve Coefficients	
Intercept:	0
Slope:	4.69

Error Coefficients	
Standard Error:	2780000
Relative Standard Error:	13.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	2.0	7.745709	50.0	212111.0	3.872854	Y
2	IC 410-385635/14	5.0	20.806555	50.0	190762.0	4.161311	Y
3	IC 410-385635/15	10.0	43.250404	50.0	207968.0	4.32504	Y
4	IC 410-385635/16	20.0	92.787995	50.0	217339.0	4.6394	Y
5	IC 410-385635/17	50.0	247.605432	50.0	218244.0	4.952109	Y
6	ICIS 410-385635/18	100.0	546.905837	50.0	220415.0	5.469058	Y
7	IC 410-385635/19	250.0	1353.325592	50.0	231222.0	5.413302	Y



Calibration

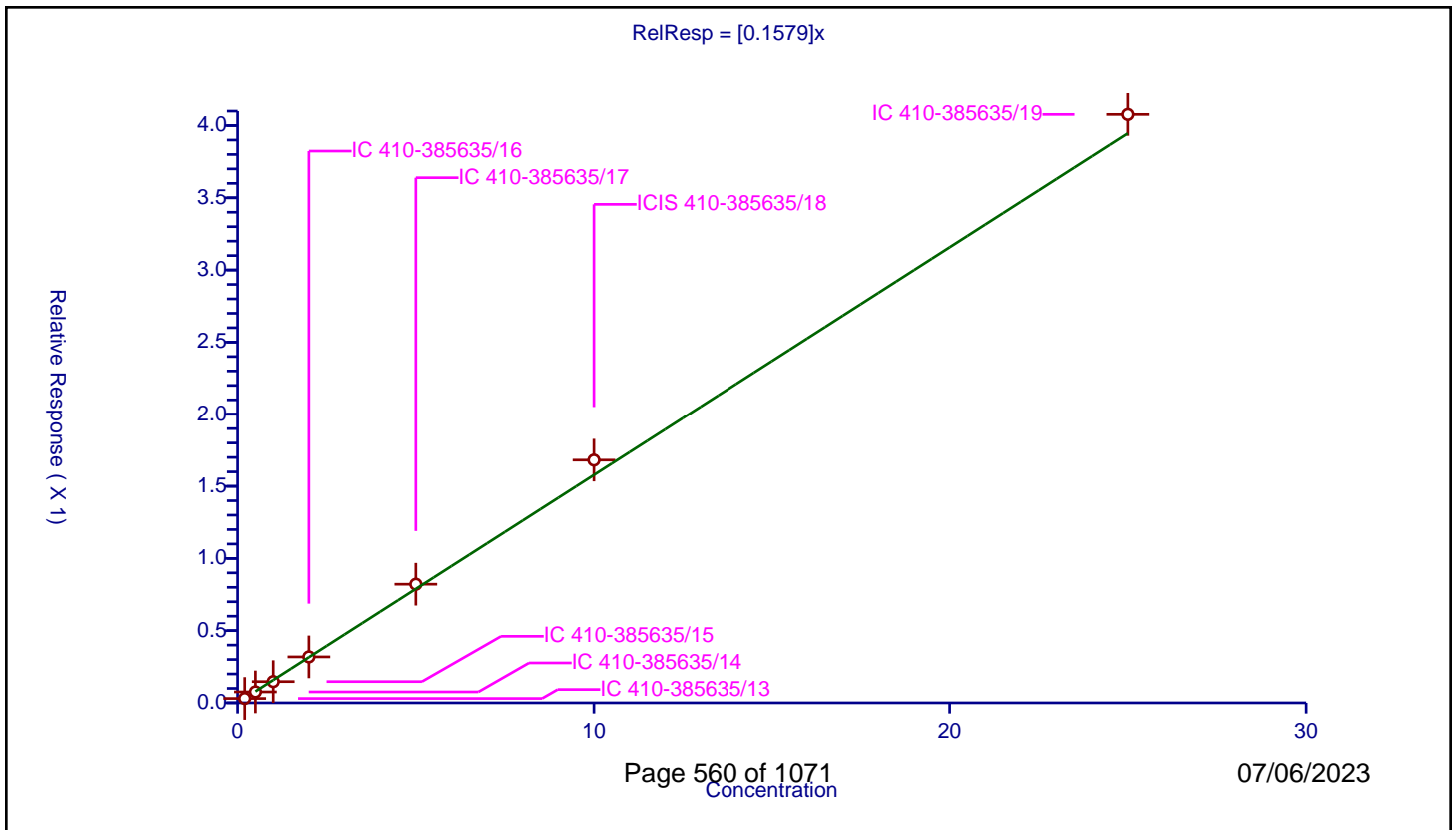
/ 1,2,3-Trichloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.1579

Error Coefficients	
Standard Error:	252000
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 410-385635/13	0.2	0.030268	10.0	1281544.0	0.151341	Y
2	IC 410-385635/14	0.5	0.075949	10.0	1265988.0	0.151897	Y
3	IC 410-385635/15	1.0	0.147009	10.0	1298424.0	0.147009	Y
4	IC 410-385635/16	2.0	0.318337	10.0	1269850.0	0.159168	Y
5	IC 410-385635/17	5.0	0.821549	10.0	1271792.0	0.16431	Y
6	ICIS 410-385635/18	10.0	1.681601	10.0	1322900.0	0.16816	Y
7	IC 410-385635/19	25.0	4.077067	10.0	1386958.0	0.163083	Y



Calibration

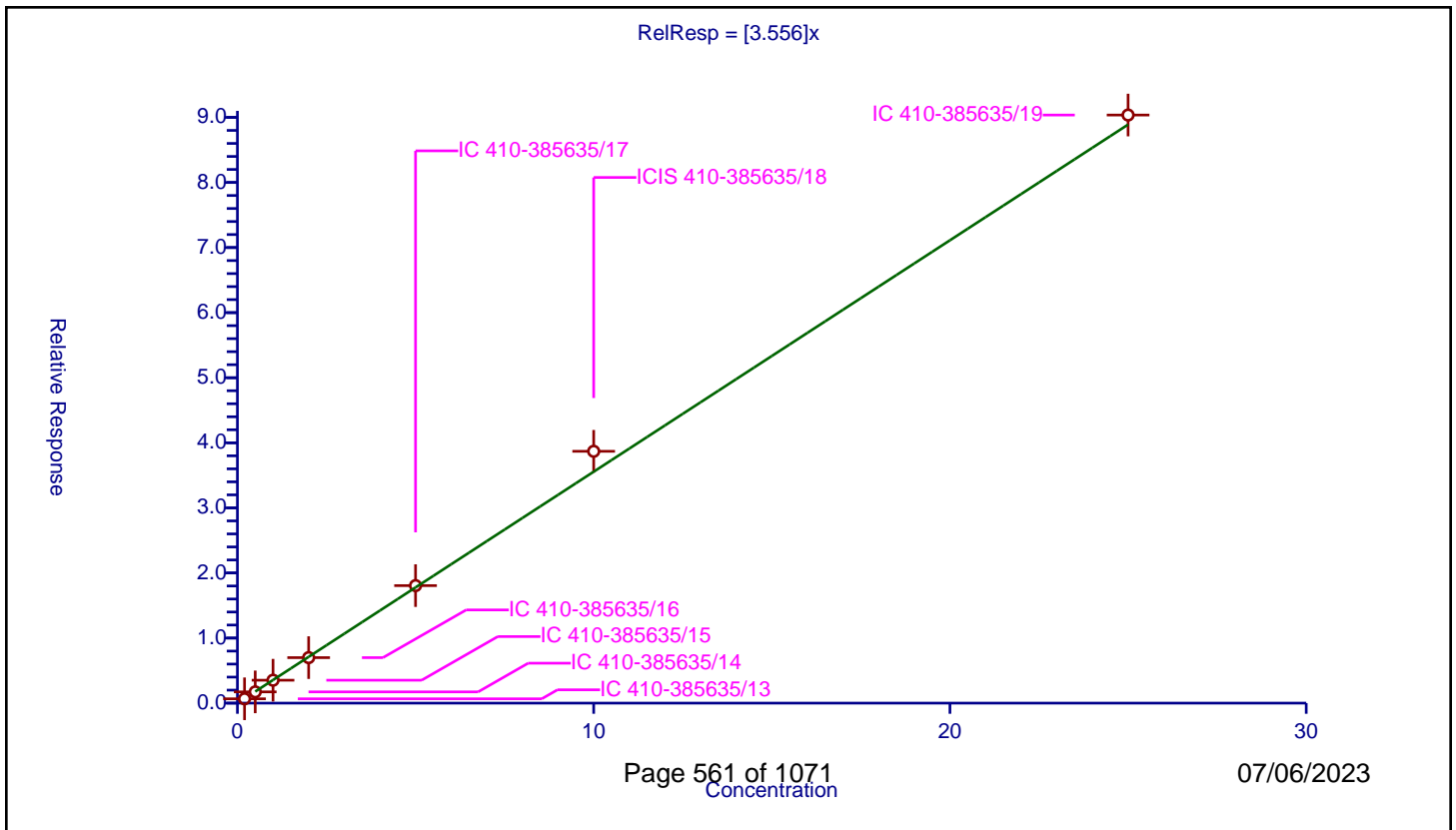
/ N-Propylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	3.556

Error Coefficients	
Standard Error:	5620000
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 410-385635/13	0.2	0.663395	10.0	1281544.0	3.316975	Y
2	IC 410-385635/14	0.5	1.730909	10.0	1265988.0	3.461818	Y
3	IC 410-385635/15	1.0	3.521246	10.0	1298424.0	3.521246	Y
4	IC 410-385635/16	2.0	6.99103	10.0	1269850.0	3.495515	Y
5	IC 410-385635/17	5.0	18.055806	10.0	1271792.0	3.611161	Y
6	ICIS 410-385635/18	10.0	38.693673	10.0	1322900.0	3.869367	Y
7	IC 410-385635/19	25.0	90.361258	10.0	1386958.0	3.61445	Y



Calibration

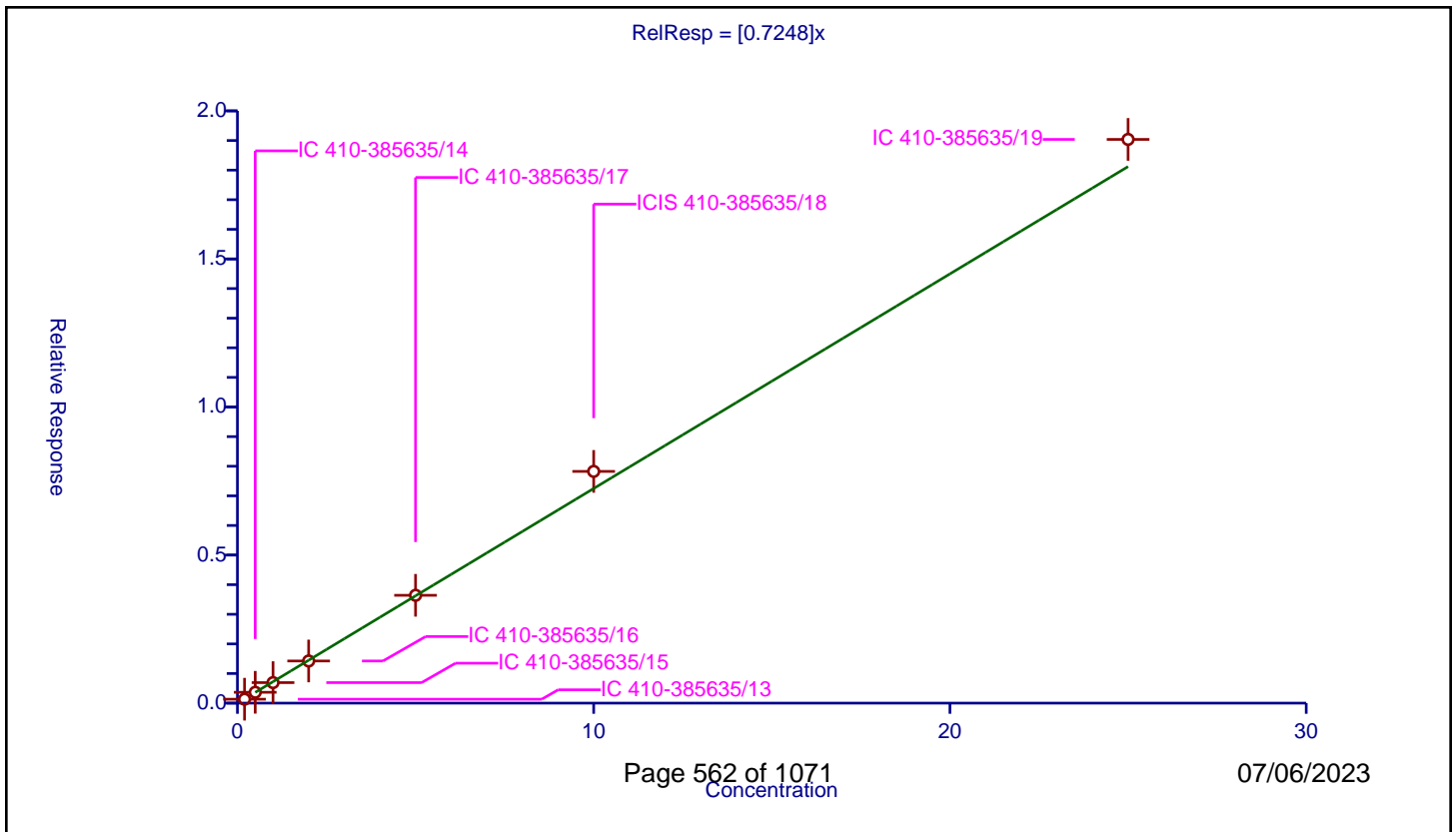
/ 2-Chlorotoluene

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

Curve Coefficients	
Intercept:	0
Slope:	0.7248

Error Coefficients	
Standard Error:	1180000
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 410-385635/13	0.2	0.13277	10.0	1281544.0	0.663848	Y
2	IC 410-385635/14	0.5	0.366496	10.0	1265988.0	0.732993	Y
3	IC 410-385635/15	1.0	0.692832	10.0	1298424.0	0.692832	Y
4	IC 410-385635/16	2.0	1.422916	10.0	1269850.0	0.711458	Y
5	IC 410-385635/17	5.0	3.64146	10.0	1271792.0	0.728292	Y
6	ICIS 410-385635/18	10.0	7.82555	10.0	1322900.0	0.782555	Y
7	IC 410-385635/19	25.0	19.036438	10.0	1386958.0	0.761458	Y



Calibration

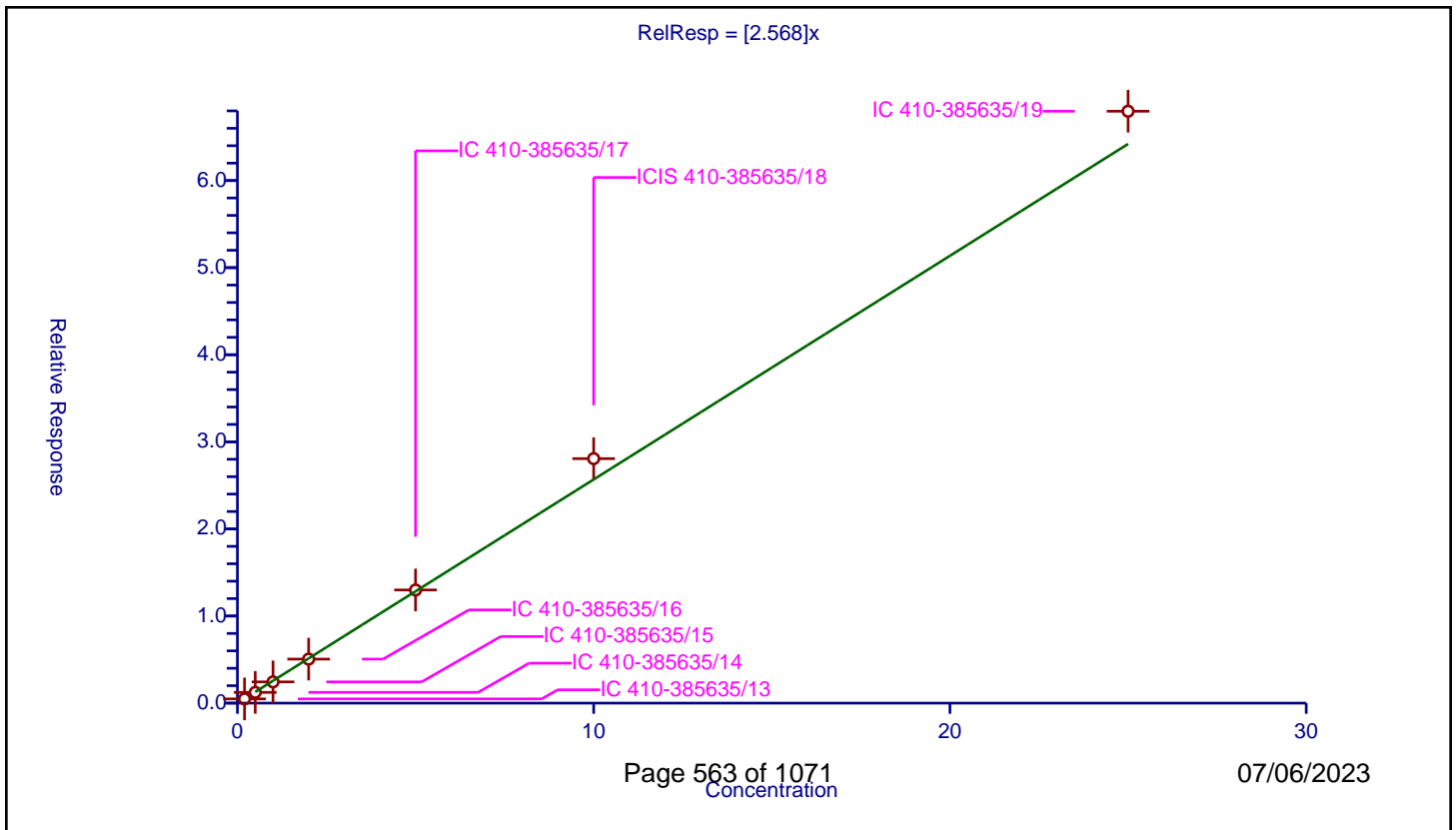
/ 1,3,5-Trimethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	2.568

Error Coefficients	
Standard Error:	4200000
Relative Standard Error:	5.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.483901	10.0	1281544.0	2.419503	Y
2	IC 410-385635/14	0.5	1.234103	10.0	1265988.0	2.468207	Y
3	IC 410-385635/15	1.0	2.438995	10.0	1298424.0	2.438995	Y
4	IC 410-385635/16	2.0	5.052392	10.0	1269850.0	2.526196	Y
5	IC 410-385635/17	5.0	12.991055	10.0	1271792.0	2.598211	Y
6	ICIS 410-385635/18	10.0	28.071532	10.0	1322900.0	2.807153	Y
7	IC 410-385635/19	25.0	67.960486	10.0	1386958.0	2.718419	Y



Calibration

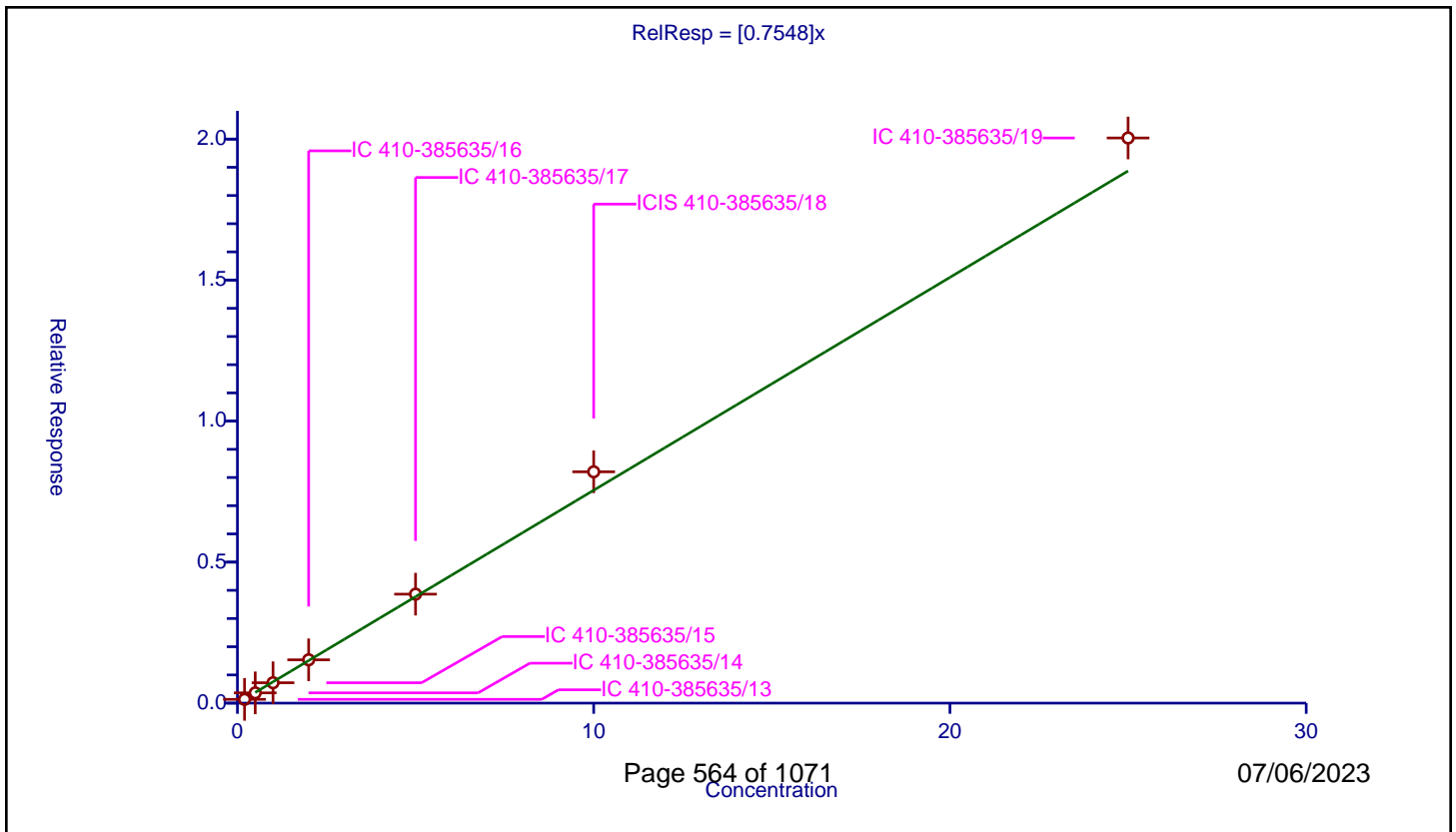
/ 4-Chlorotoluene

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

Curve Coefficients	
Intercept:	0
Slope:	0.7548

Error Coefficients	
Standard Error:	1240000
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 410-385635/13	0.2	0.133784	10.0	1281544.0	0.66892	Y
2	IC 410-385635/14	0.5	0.364435	10.0	1265988.0	0.728869	Y
3	IC 410-385635/15	1.0	0.723169	10.0	1298424.0	0.723169	Y
4	IC 410-385635/16	2.0	1.53615	10.0	1269850.0	0.768075	Y
5	IC 410-385635/17	5.0	3.864311	10.0	1271792.0	0.772862	Y
6	ICIS 410-385635/18	10.0	8.202615	10.0	1322900.0	0.820262	Y
7	IC 410-385635/19	25.0	20.03977	10.0	1386958.0	0.801591	Y



Calibration

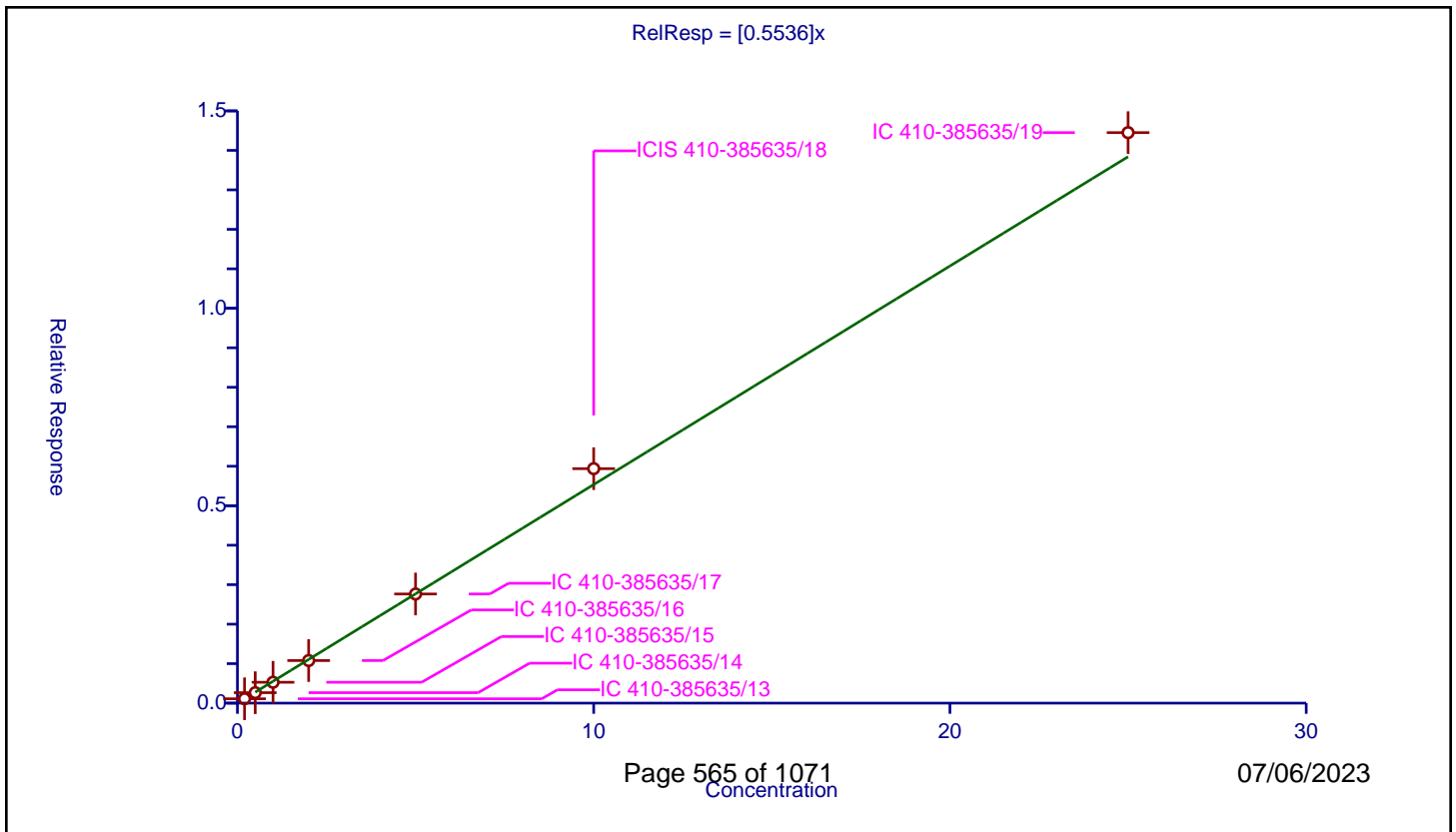
/ tert-Butylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.5536

Error Coefficients	
Standard Error:	893000
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 410-385635/13	0.2	0.110593	10.0	1281544.0	0.552966	Y
2	IC 410-385635/14	0.5	0.264852	10.0	1265988.0	0.529705	Y
3	IC 410-385635/15	1.0	0.528633	10.0	1298424.0	0.528633	Y
4	IC 410-385635/16	2.0	1.078182	10.0	1269850.0	0.539091	Y
5	IC 410-385635/17	5.0	2.763887	10.0	1271792.0	0.552777	Y
6	ICIS 410-385635/18	10.0	5.938469	10.0	1322900.0	0.593847	Y
7	IC 410-385635/19	25.0	14.449435	10.0	1386958.0	0.577977	Y



Calibration

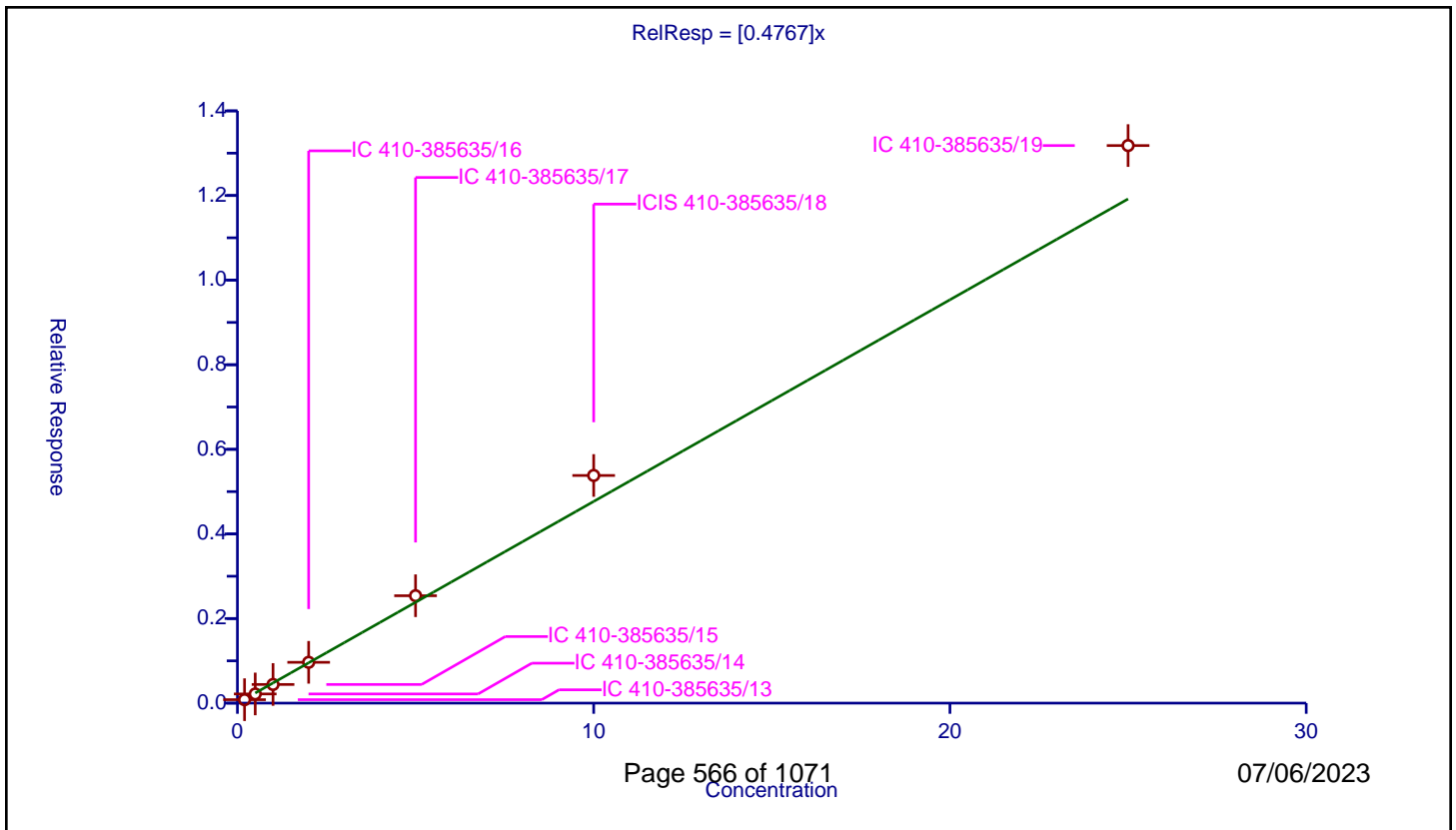
/ Pentachloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4767

Error Coefficients	
Standard Error:	814000
Relative Standard Error:	10.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.081402	10.0	1281544.0	0.407009	Y
2	IC 410-385635/14	0.5	0.216842	10.0	1265988.0	0.433685	Y
3	IC 410-385635/15	1.0	0.440927	10.0	1298424.0	0.440927	Y
4	IC 410-385635/16	2.0	0.96483	10.0	1269850.0	0.482415	Y
5	IC 410-385635/17	5.0	2.538804	10.0	1271792.0	0.507761	Y
6	ICIS 410-385635/18	10.0	5.381541	10.0	1322900.0	0.538154	Y
7	IC 410-385635/19	25.0	13.180161	10.0	1386958.0	0.527206	Y



Calibration

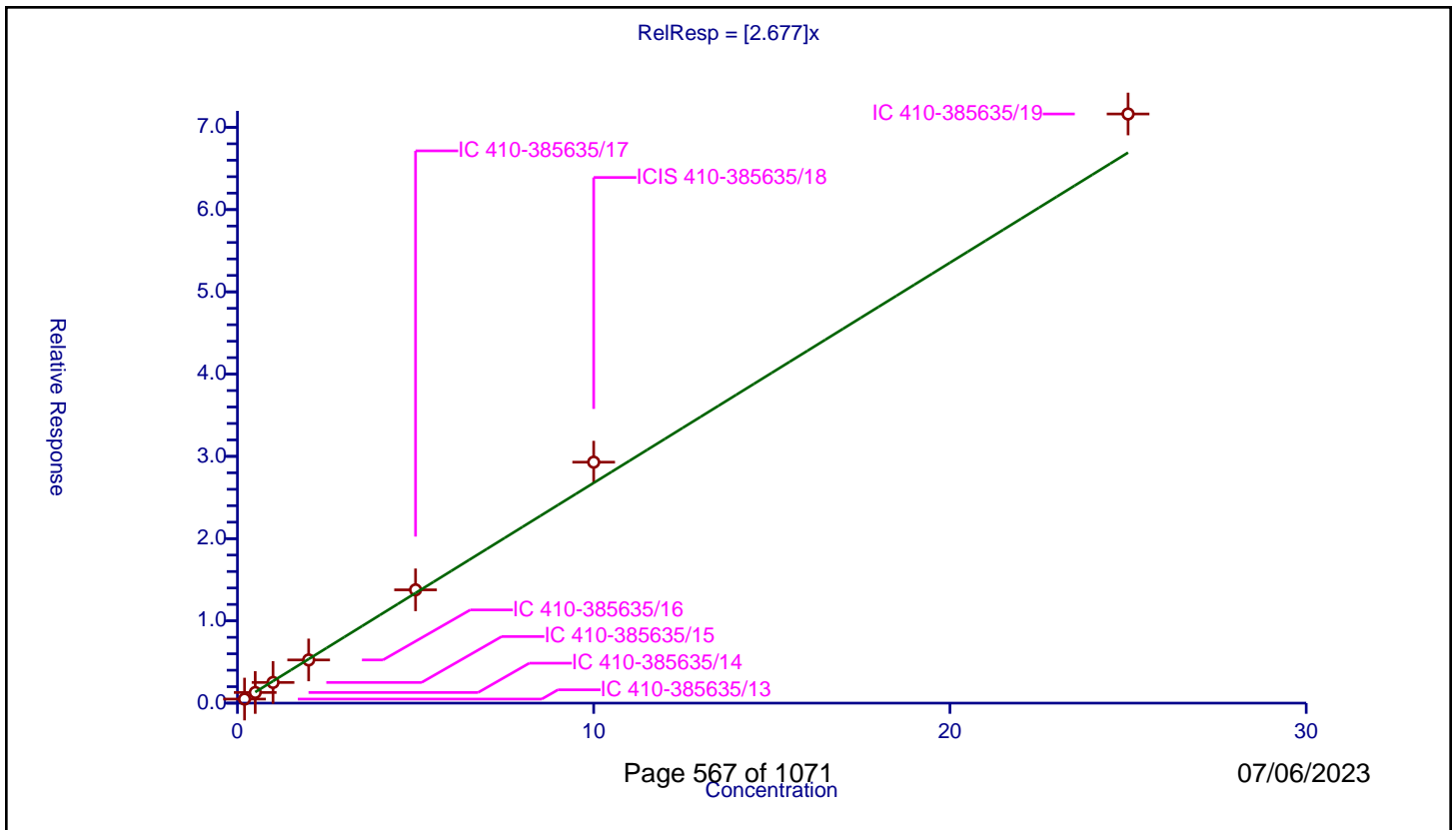
/ 1,2,4-Trimethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	2.677

Error Coefficients	
Standard Error:	4420000
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 410-385635/13	0.2	0.492976	10.0	1281544.0	2.464878	Y
2	IC 410-385635/14	0.5	1.294167	10.0	1265988.0	2.588334	Y
3	IC 410-385635/15	1.0	2.513216	10.0	1298424.0	2.513216	Y
4	IC 410-385635/16	2.0	5.24888	10.0	1269850.0	2.62444	Y
5	IC 410-385635/17	5.0	13.772527	10.0	1271792.0	2.754505	Y
6	ICIS 410-385635/18	10.0	29.295283	10.0	1322900.0	2.929528	Y
7	IC 410-385635/19	25.0	71.625204	10.0	1386958.0	2.865008	Y



Calibration

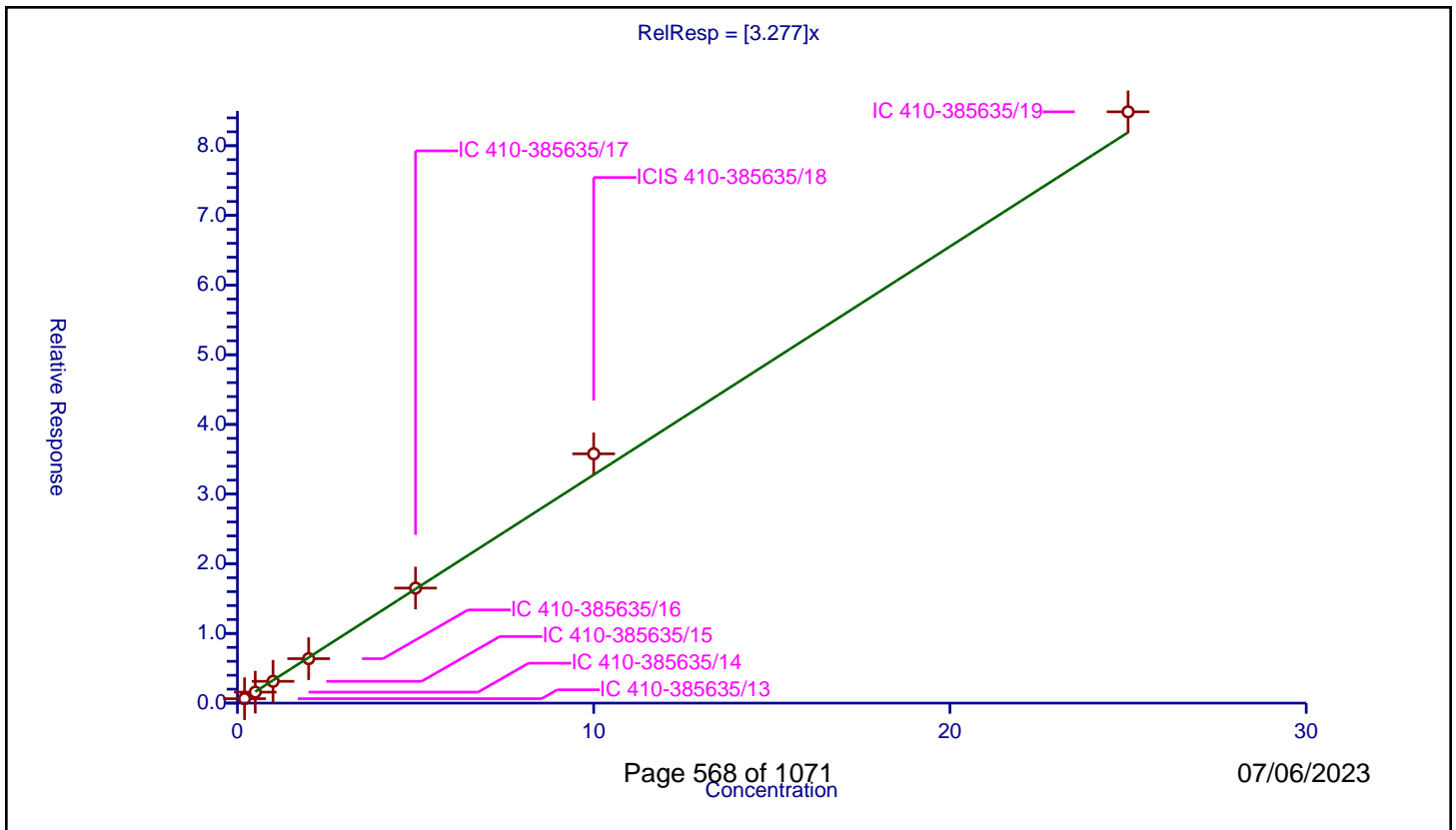
/ sec-Butylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	3.277

Error Coefficients	
Standard Error:	5260000
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 410-385635/13	0.2	0.637512	10.0	1281544.0	3.187561	Y
2	IC 410-385635/14	0.5	1.57729	10.0	1265988.0	3.15458	Y
3	IC 410-385635/15	1.0	3.130233	10.0	1298424.0	3.130233	Y
4	IC 410-385635/16	2.0	6.379777	10.0	1269850.0	3.189889	Y
5	IC 410-385635/17	5.0	16.50994	10.0	1271792.0	3.301988	Y
6	ICIS 410-385635/18	10.0	35.781805	10.0	1322900.0	3.578181	Y
7	IC 410-385635/19	25.0	84.869167	10.0	1386958.0	3.394767	Y



Calibration

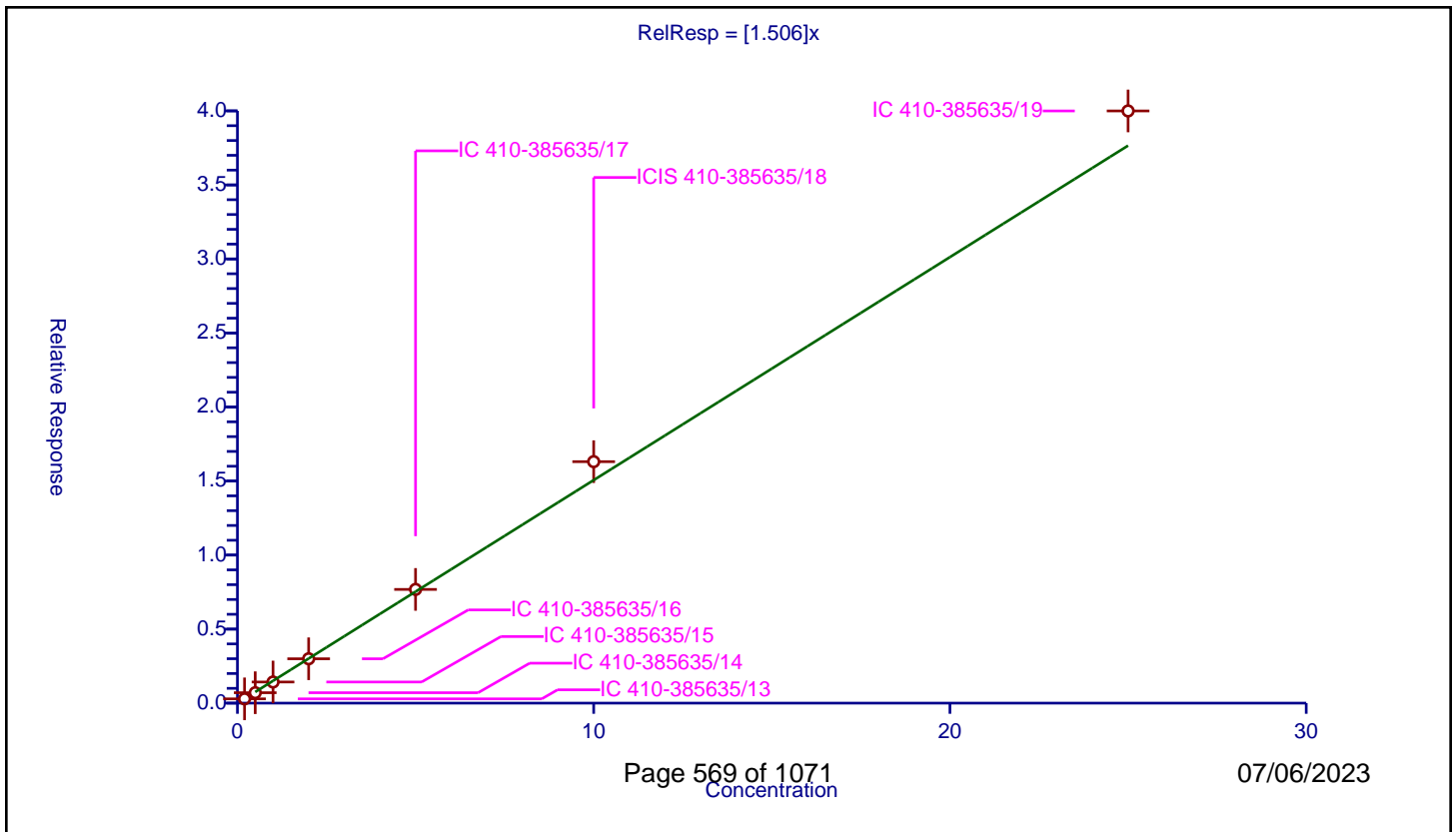
/ 1,3-Dichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.506

Error Coefficients	
Standard Error:	2470000
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 410-385635/13	0.2	0.288964	10.0	1281544.0	1.44482	Y
2	IC 410-385635/14	0.5	0.703474	10.0	1265988.0	1.406949	Y
3	IC 410-385635/15	1.0	1.426837	10.0	1298424.0	1.426837	Y
4	IC 410-385635/16	2.0	2.99611	10.0	1269850.0	1.498055	Y
5	IC 410-385635/17	5.0	7.679448	10.0	1271792.0	1.53589	Y
6	ICIS 410-385635/18	10.0	16.309199	10.0	1322900.0	1.63092	Y
7	IC 410-385635/19	25.0	39.996063	10.0	1386958.0	1.599843	Y



Calibration

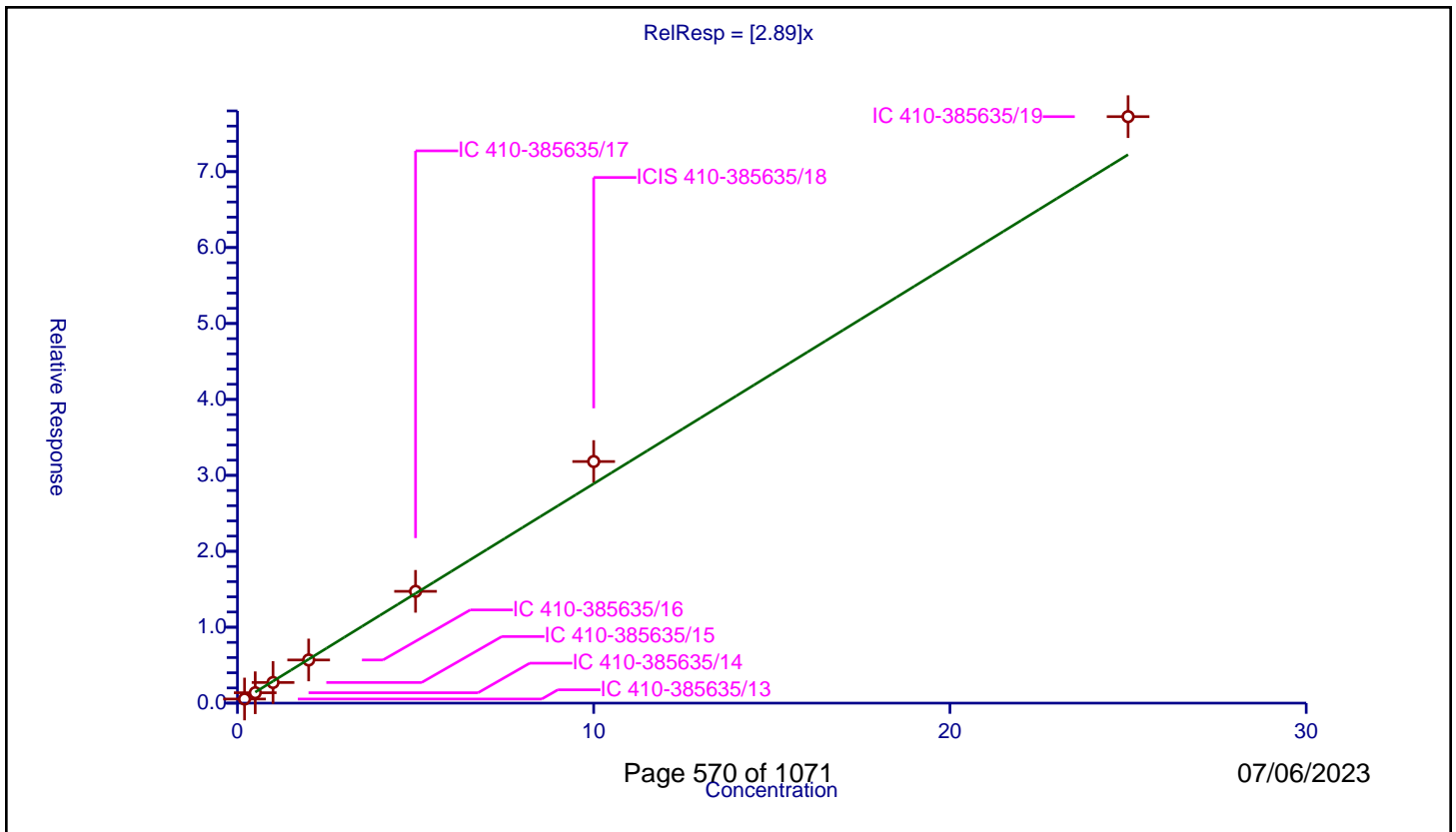
/ 4-Isopropyltoluene

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

Curve Coefficients	
Intercept:	0
Slope:	2.89

Error Coefficients	
Standard Error:	4770000
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 410-385635/13	0.2	0.541995	10.0	1281544.0	2.709973	Y
2	IC 410-385635/14	0.5	1.370447	10.0	1265988.0	2.740895	Y
3	IC 410-385635/15	1.0	2.717271	10.0	1298424.0	2.717271	Y
4	IC 410-385635/16	2.0	5.685144	10.0	1269850.0	2.842572	Y
5	IC 410-385635/17	5.0	14.723587	10.0	1271792.0	2.944717	Y
6	ICIS 410-385635/18	10.0	31.81985	10.0	1322900.0	3.181985	Y
7	IC 410-385635/19	25.0	77.243024	10.0	1386958.0	3.089721	Y



Calibration

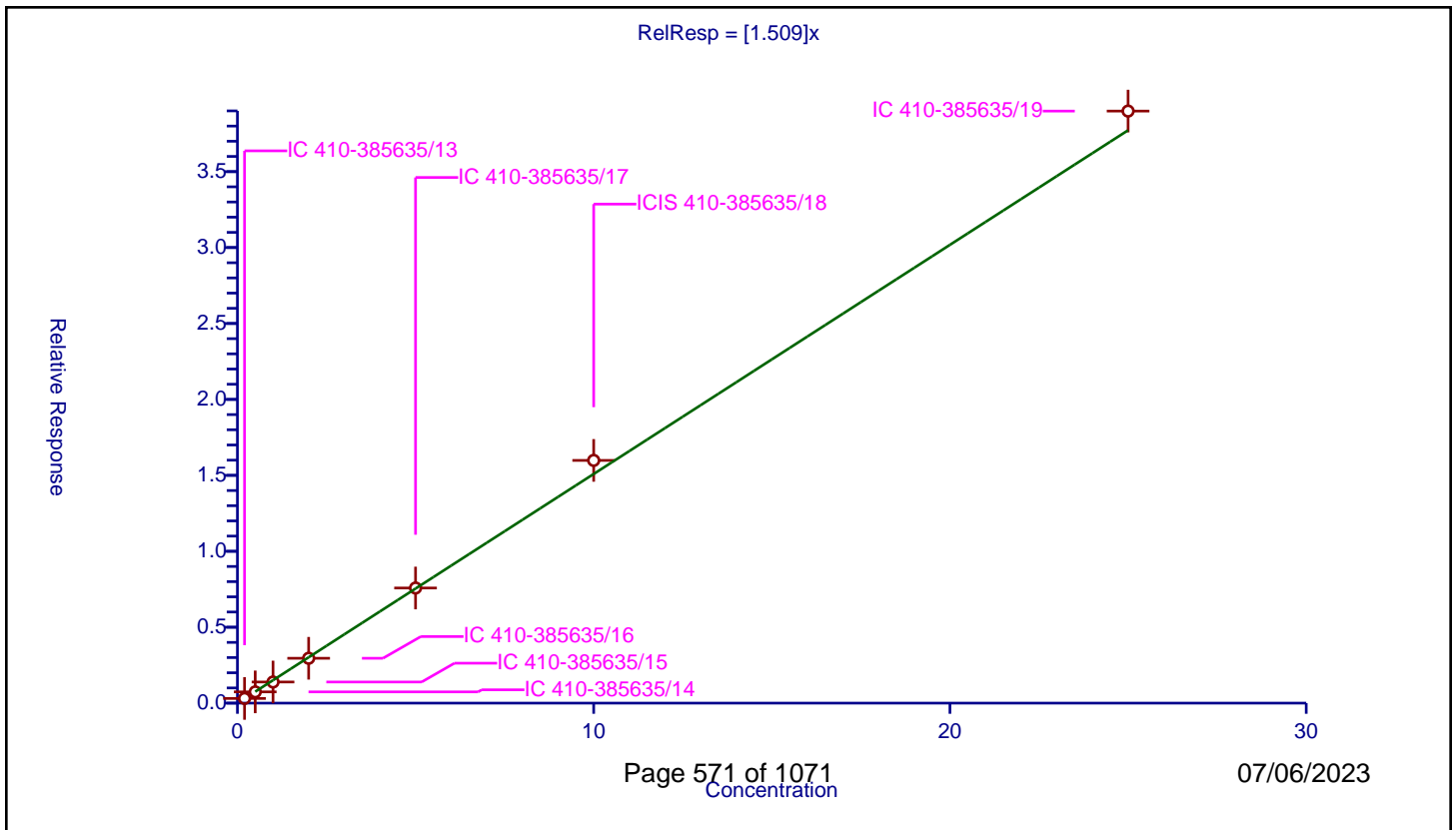
/ 1,4-Dichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.509

Error Coefficients	
Standard Error:	2410000
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 410-385635/13	0.2	0.307879	10.0	1281544.0	1.539393	Y
2	IC 410-385635/14	0.5	0.740481	10.0	1265988.0	1.480962	Y
3	IC 410-385635/15	1.0	1.391009	10.0	1298424.0	1.391009	Y
4	IC 410-385635/16	2.0	2.954254	10.0	1269850.0	1.477127	Y
5	IC 410-385635/17	5.0	7.581405	10.0	1271792.0	1.516281	Y
6	ICIS 410-385635/18	10.0	15.983597	10.0	1322900.0	1.59836	Y
7	IC 410-385635/19	25.0	38.987064	10.0	1386958.0	1.559483	Y



Calibration

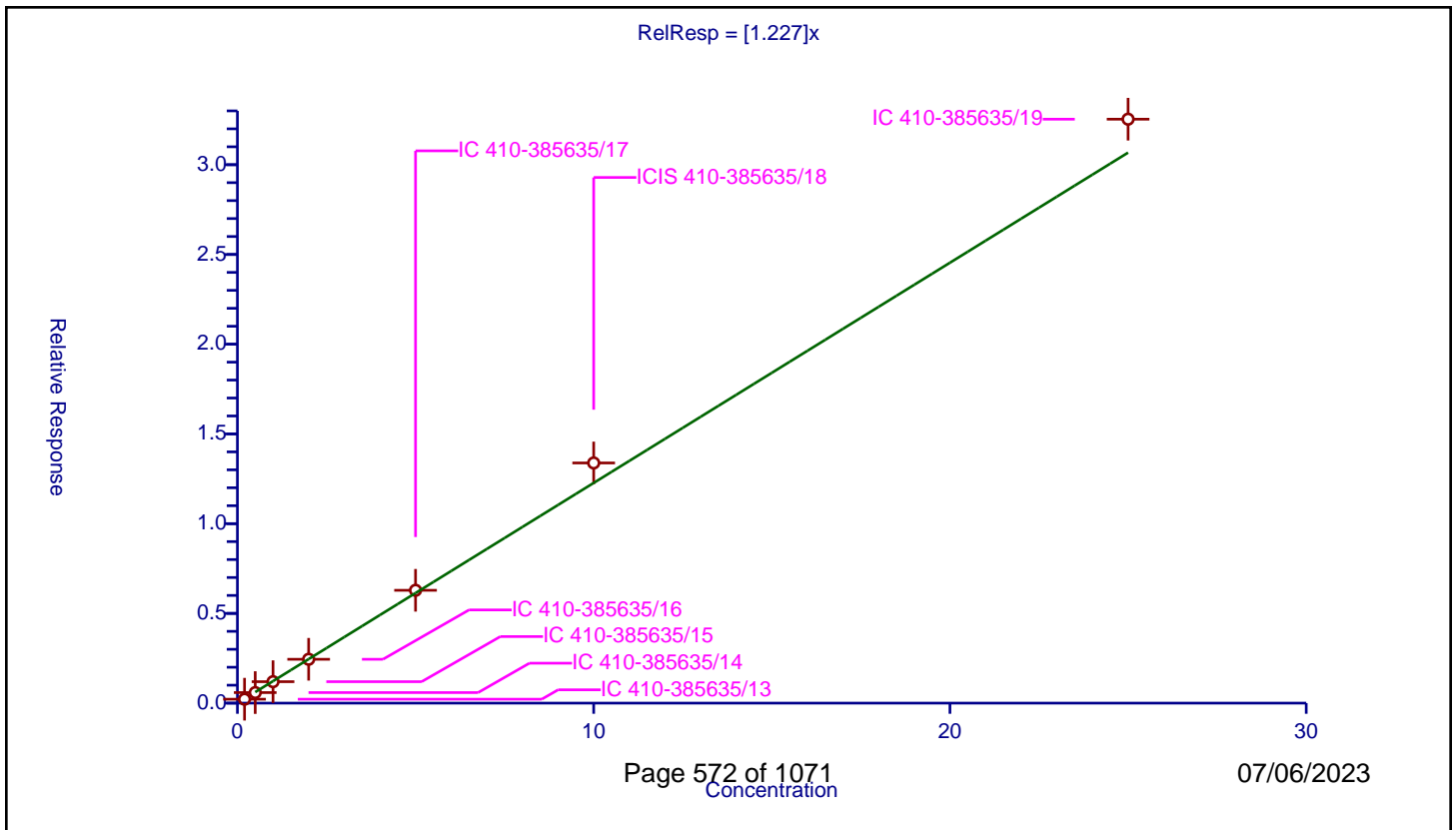
/ 1,2,3-Trimethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.227

Error Coefficients	
Standard Error:	2010000
Relative Standard Error:	6.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.21954	10.0	1281544.0	1.097699	Y
2	IC 410-385635/14	0.5	0.588141	10.0	1265988.0	1.176283	Y
3	IC 410-385635/15	1.0	1.195611	10.0	1298424.0	1.195611	Y
4	IC 410-385635/16	2.0	2.443958	10.0	1269850.0	1.221979	Y
5	IC 410-385635/17	5.0	6.287718	10.0	1271792.0	1.257544	Y
6	ICIS 410-385635/18	10.0	13.381896	10.0	1322900.0	1.33819	Y
7	IC 410-385635/19	25.0	32.537424	10.0	1386958.0	1.301497	Y



Calibration

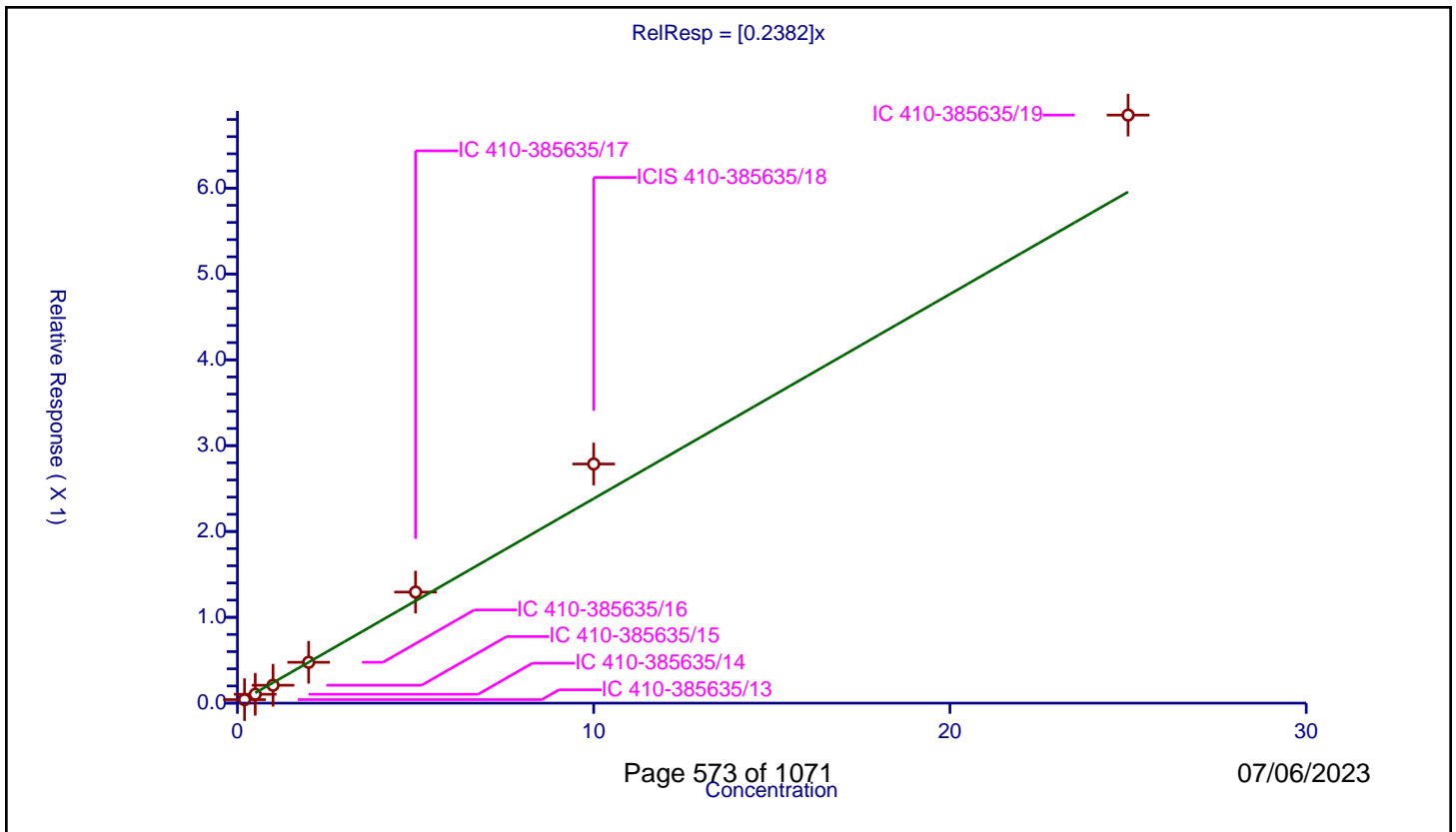
/ Benzyl chloride

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

Curve Coefficients	
Intercept:	0
Slope:	0.2382

Error Coefficients	
Standard Error:	422000
Relative Standard Error:	13.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.040646	10.0	1281544.0	0.203231	Y
2	IC 410-385635/14	0.5	0.103326	10.0	1265988.0	0.206653	Y
3	IC 410-385635/15	1.0	0.208453	10.0	1298424.0	0.208453	Y
4	IC 410-385635/16	2.0	0.475962	10.0	1269850.0	0.237981	Y
5	IC 410-385635/17	5.0	1.293812	10.0	1271792.0	0.258762	Y
6	ICIS 410-385635/18	10.0	2.786167	10.0	1322900.0	0.278617	Y
7	IC 410-385635/19	25.0	6.851094	10.0	1386958.0	0.274044	Y



Calibration

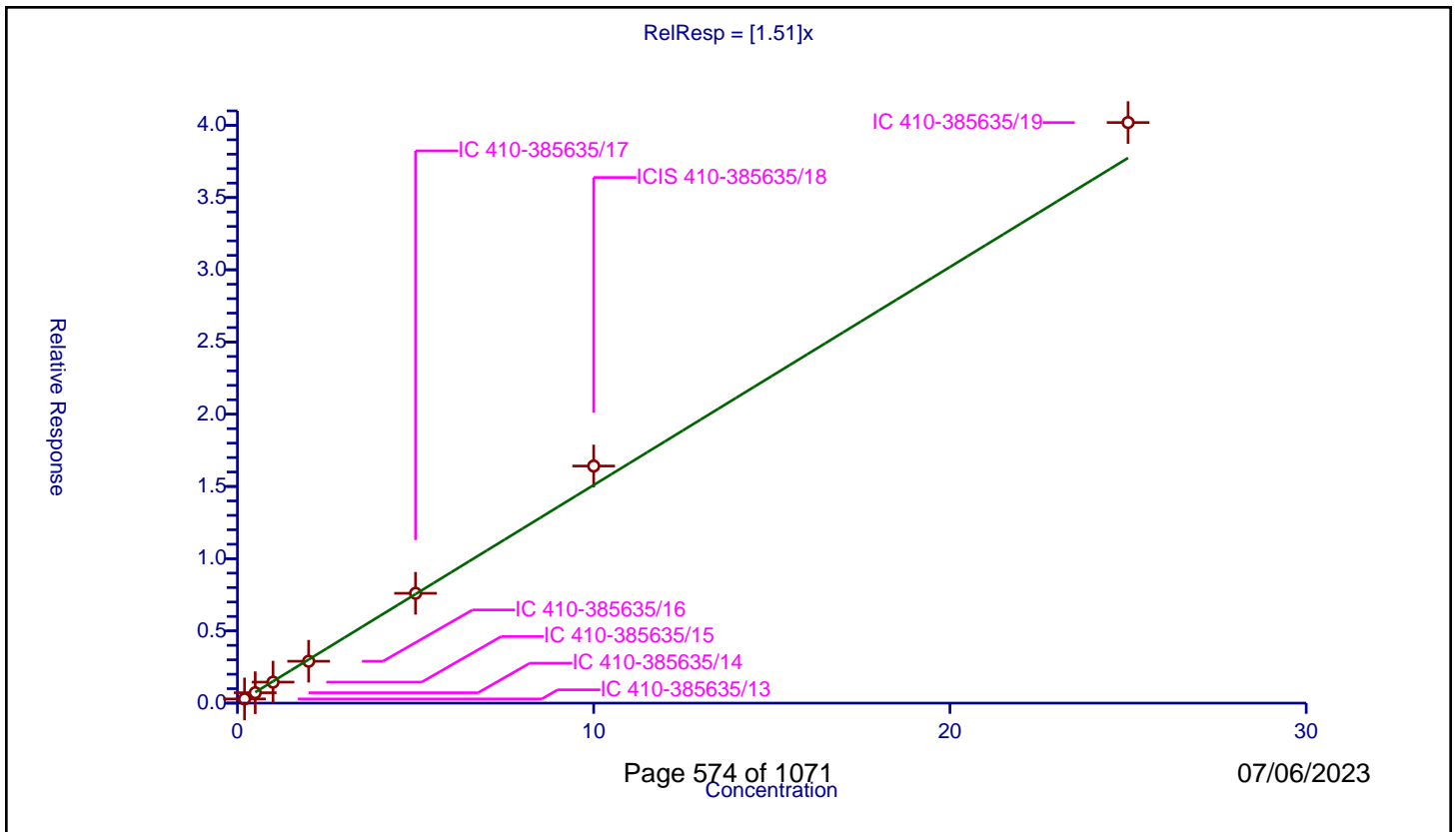
/ n-Butylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.51

Error Coefficients	
Standard Error:	2480000
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 410-385635/13	0.2	0.291196	10.0	1281544.0	1.455978	Y
2	IC 410-385635/14	0.5	0.719122	10.0	1265988.0	1.438244	Y
3	IC 410-385635/15	1.0	1.45424	10.0	1298424.0	1.45424	Y
4	IC 410-385635/16	2.0	2.89965	10.0	1269850.0	1.449825	Y
5	IC 410-385635/17	5.0	7.60243	10.0	1271792.0	1.520486	Y
6	ICIS 410-385635/18	10.0	16.413879	10.0	1322900.0	1.641388	Y
7	IC 410-385635/19	25.0	40.191989	10.0	1386958.0	1.60768	Y



Calibration

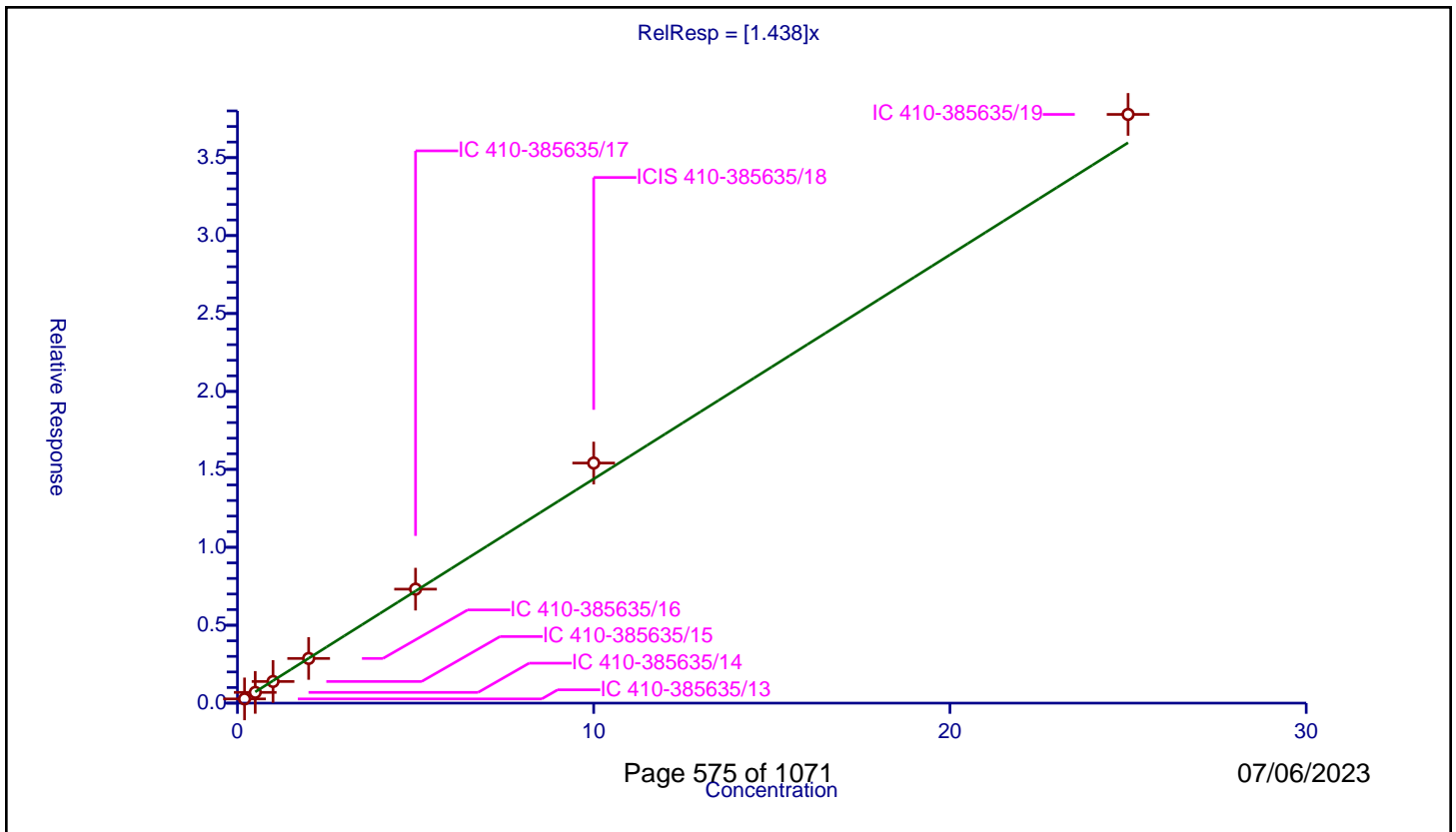
/ 1,2-Dichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.438

Error Coefficients	
Standard Error:	2330000
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 410-385635/13	0.2	0.270923	10.0	1281544.0	1.354616	Y
2	IC 410-385635/14	0.5	0.688869	10.0	1265988.0	1.377738	Y
3	IC 410-385635/15	1.0	1.389153	10.0	1298424.0	1.389153	Y
4	IC 410-385635/16	2.0	2.865858	10.0	1269850.0	1.432929	Y
5	IC 410-385635/17	5.0	7.313578	10.0	1271792.0	1.462716	Y
6	ICIS 410-385635/18	10.0	15.404294	10.0	1322900.0	1.540429	Y
7	IC 410-385635/19	25.0	37.775124	10.0	1386958.0	1.511005	Y



Calibration

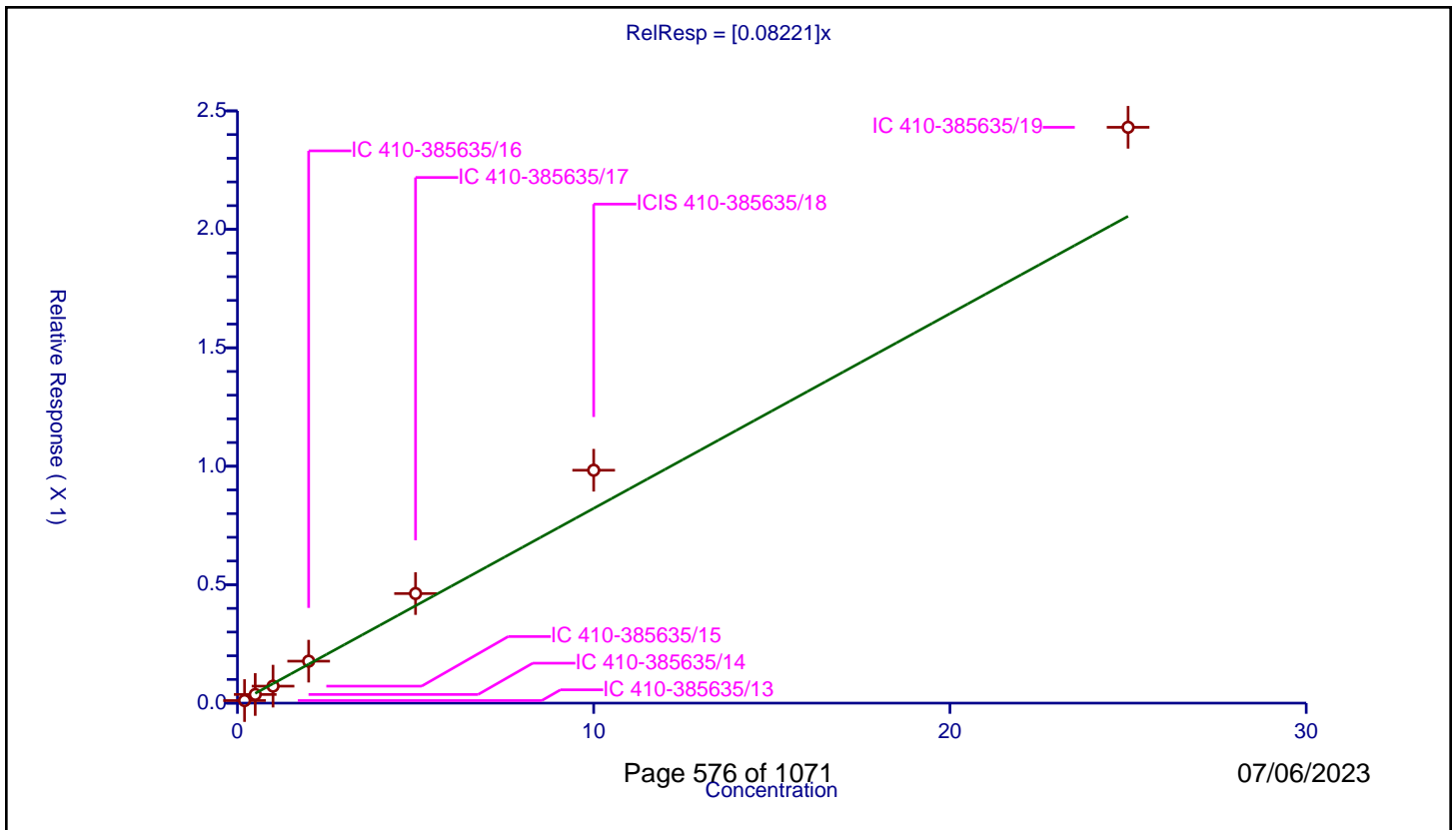
/ 1,2-Dibromo-3-Chloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.08221

Error Coefficients	
Standard Error:	150000
Relative Standard Error:	20.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.958

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.010831	10.0	1281544.0	0.054153	Y
2	IC 410-385635/14	0.5	0.036517	10.0	1265988.0	0.073034	Y
3	IC 410-385635/15	1.0	0.071641	10.0	1298424.0	0.071641	Y
4	IC 410-385635/16	2.0	0.177147	10.0	1269850.0	0.088573	Y
5	IC 410-385635/17	5.0	0.462639	10.0	1271792.0	0.092528	Y
6	ICIS 410-385635/18	10.0	0.983075	10.0	1322900.0	0.098308	Y
7	IC 410-385635/19	25.0	2.430715	10.0	1386958.0	0.097229	Y



Calibration

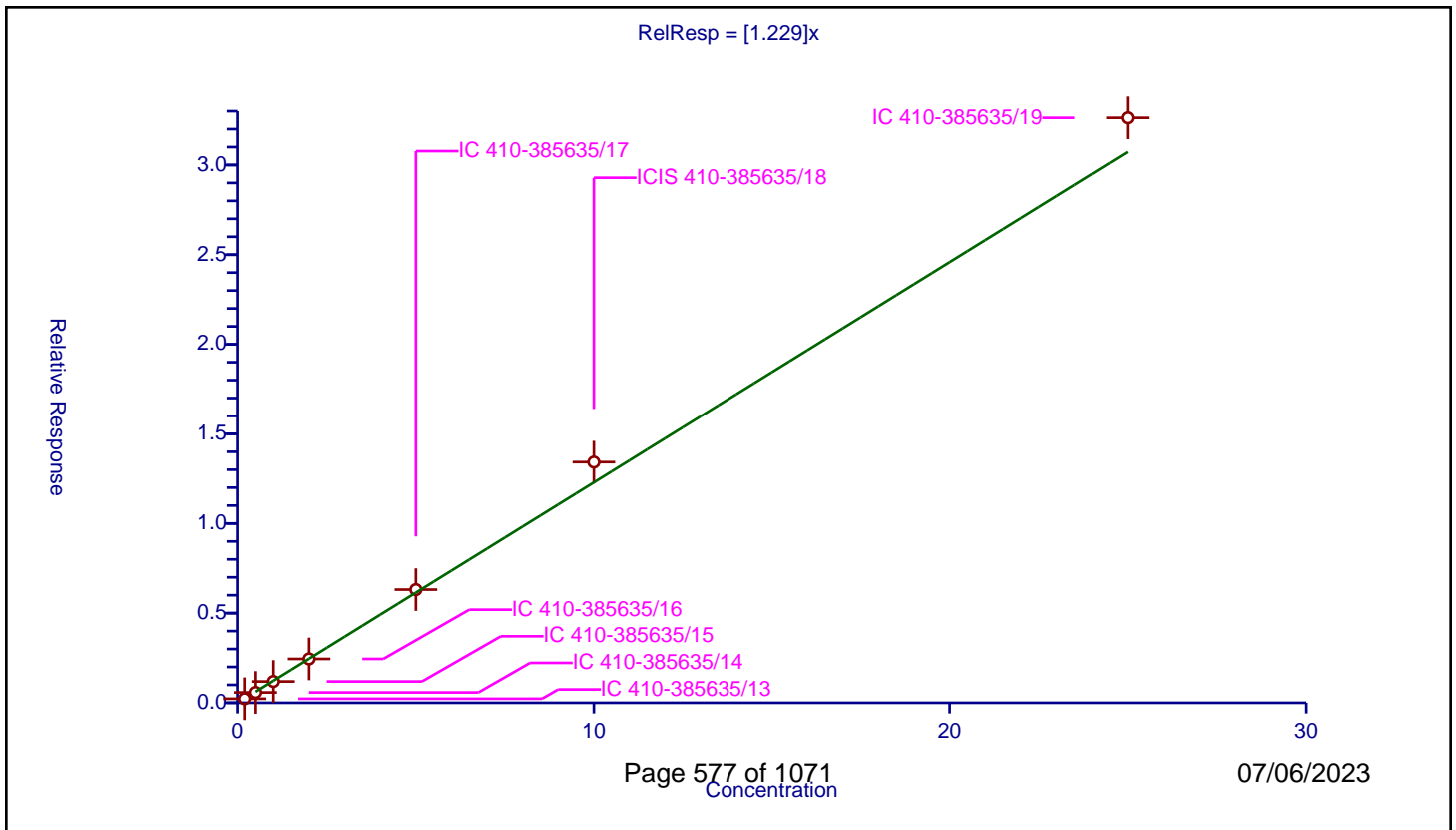
/ 1,3,5-Trichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.229

Error Coefficients	
Standard Error:	2020000
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 410-385635/13	0.2	0.225884	10.0	1281544.0	1.129419	Y
2	IC 410-385635/14	0.5	0.576554	10.0	1265988.0	1.153107	Y
3	IC 410-385635/15	1.0	1.187963	10.0	1298424.0	1.187963	Y
4	IC 410-385635/16	2.0	2.446801	10.0	1269850.0	1.2234	Y
5	IC 410-385635/17	5.0	6.313179	10.0	1271792.0	1.262636	Y
6	ICIS 410-385635/18	10.0	13.426041	10.0	1322900.0	1.342604	Y
7	IC 410-385635/19	25.0	32.630613	10.0	1386958.0	1.305225	Y



Calibration

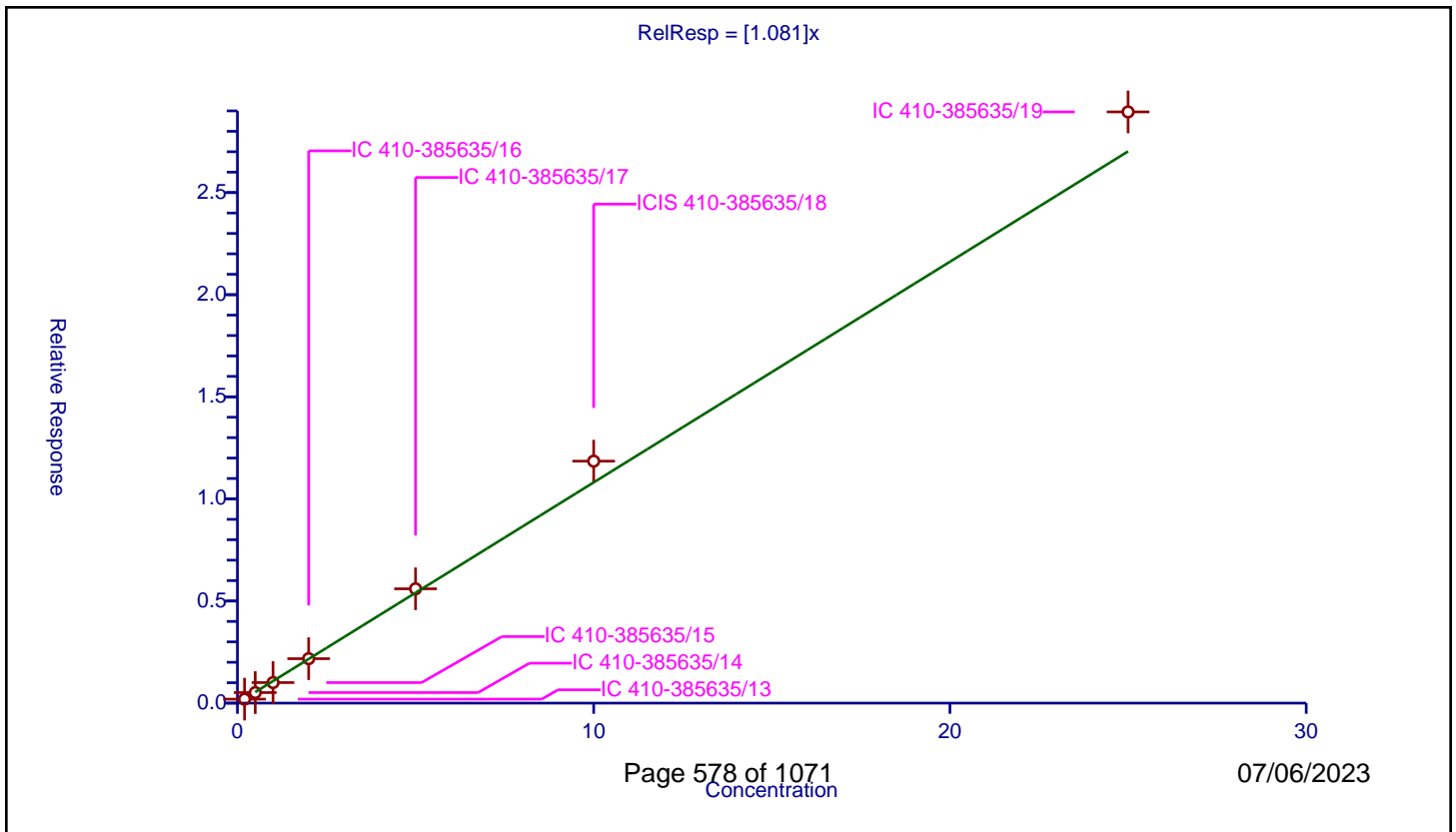
/ 1,2,4-Trichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.081

Error Coefficients	
Standard Error:	1790000
Relative Standard Error:	7.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.19489	10.0	1281544.0	0.97445	Y
2	IC 410-385635/14	0.5	0.516877	10.0	1265988.0	1.033754	Y
3	IC 410-385635/15	1.0	1.00575	10.0	1298424.0	1.00575	Y
4	IC 410-385635/16	2.0	2.176509	10.0	1269850.0	1.088255	Y
5	IC 410-385635/17	5.0	5.598353	10.0	1271792.0	1.119671	Y
6	ICIS 410-385635/18	10.0	11.849248	10.0	1322900.0	1.184925	Y
7	IC 410-385635/19	25.0	28.95048	10.0	1386958.0	1.158019	Y



Calibration

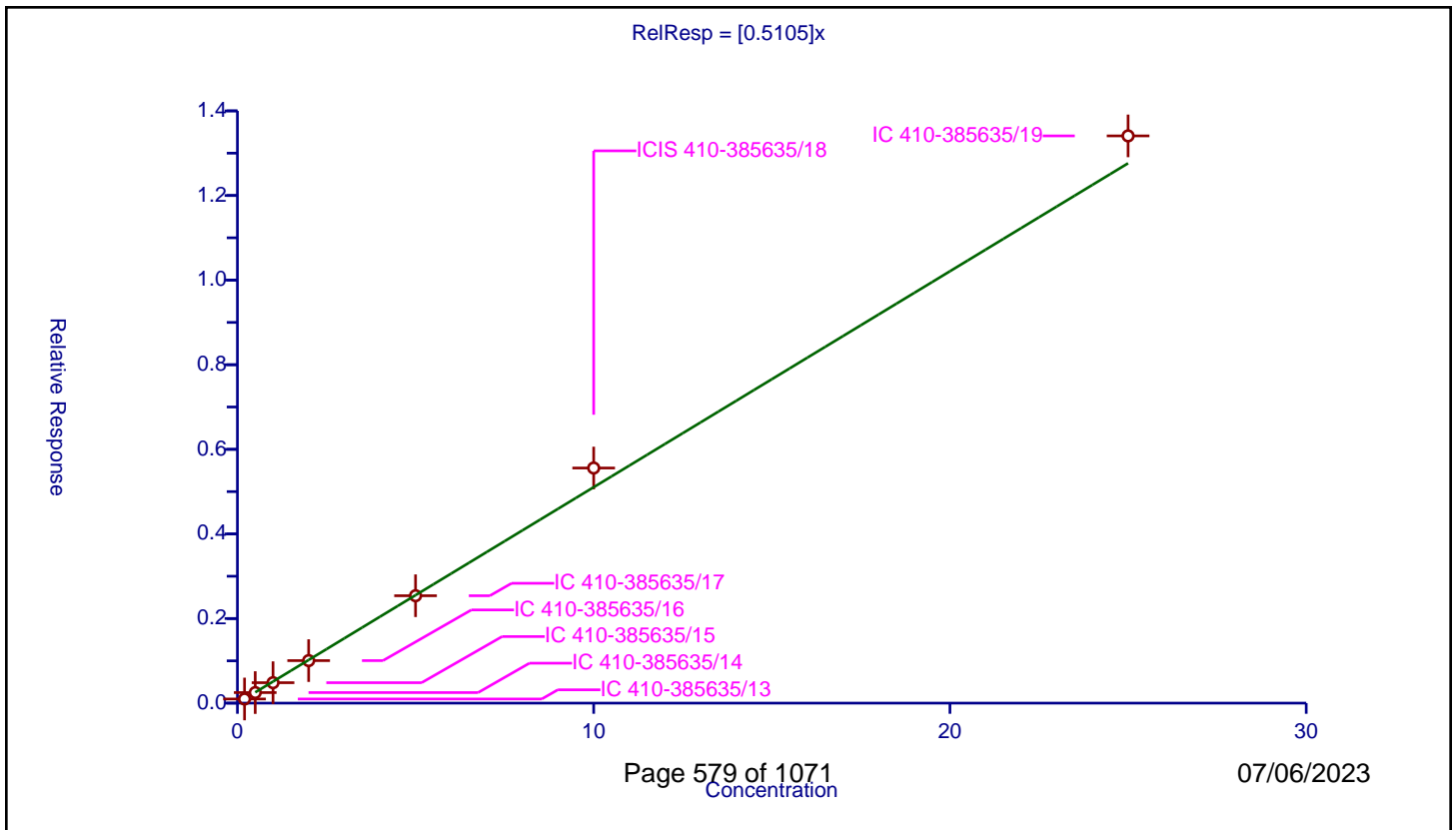
/ Hexachlorobutadiene

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

Curve Coefficients	
Intercept:	0
Slope:	0.5105

Error Coefficients	
Standard Error:	829000
Relative Standard Error:	5.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.097656	10.0	1281544.0	0.488278	Y
2	IC 410-385635/14	0.5	0.249544	10.0	1265988.0	0.499088	Y
3	IC 410-385635/15	1.0	0.483401	10.0	1298424.0	0.483401	Y
4	IC 410-385635/16	2.0	1.005032	10.0	1269850.0	0.502516	Y
5	IC 410-385635/17	5.0	2.538701	10.0	1271792.0	0.50774	Y
6	ICIS 410-385635/18	10.0	5.557941	10.0	1322900.0	0.555794	Y
7	IC 410-385635/19	25.0	13.408495	10.0	1386958.0	0.53634	Y



Calibration

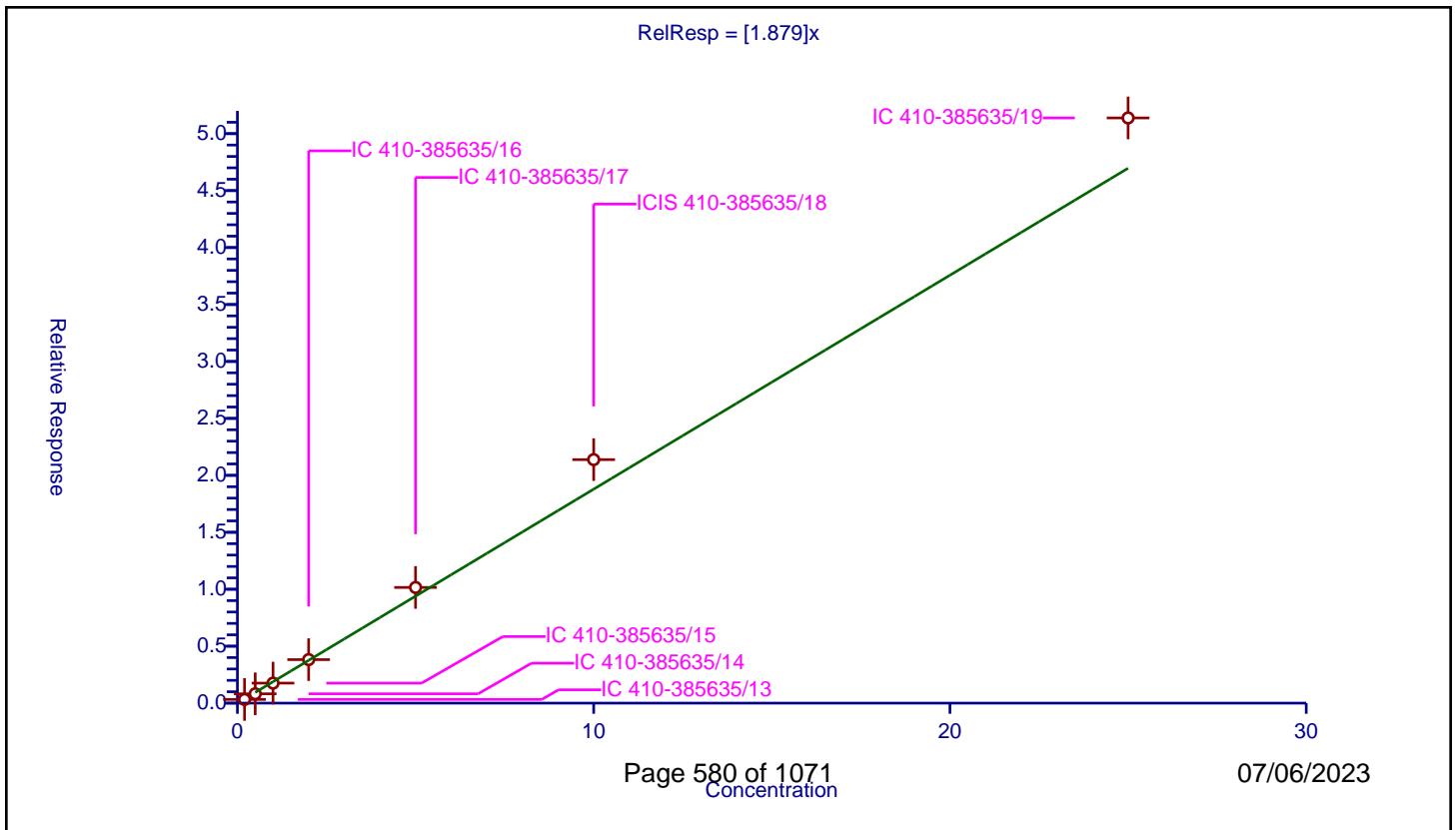
/ Naphthalene

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

Curve Coefficients	
Intercept:	0
Slope:	1.879

Error Coefficients	
Standard Error:	3180000
Relative Standard Error:	11.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-385635/13	0.2	0.323571	10.0	1281544.0	1.617853	Y
2	IC 410-385635/14	0.5	0.820189	10.0	1265988.0	1.640379	Y
3	IC 410-385635/15	1.0	1.757415	10.0	1298424.0	1.757415	Y
4	IC 410-385635/16	2.0	3.820569	10.0	1269850.0	1.910285	Y
5	IC 410-385635/17	5.0	10.156087	10.0	1271792.0	2.031217	Y
6	ICIS 410-385635/18	10.0	21.379658	10.0	1322900.0	2.137966	Y
7	IC 410-385635/19	25.0	51.381008	10.0	1386958.0	2.05524	Y



Calibration

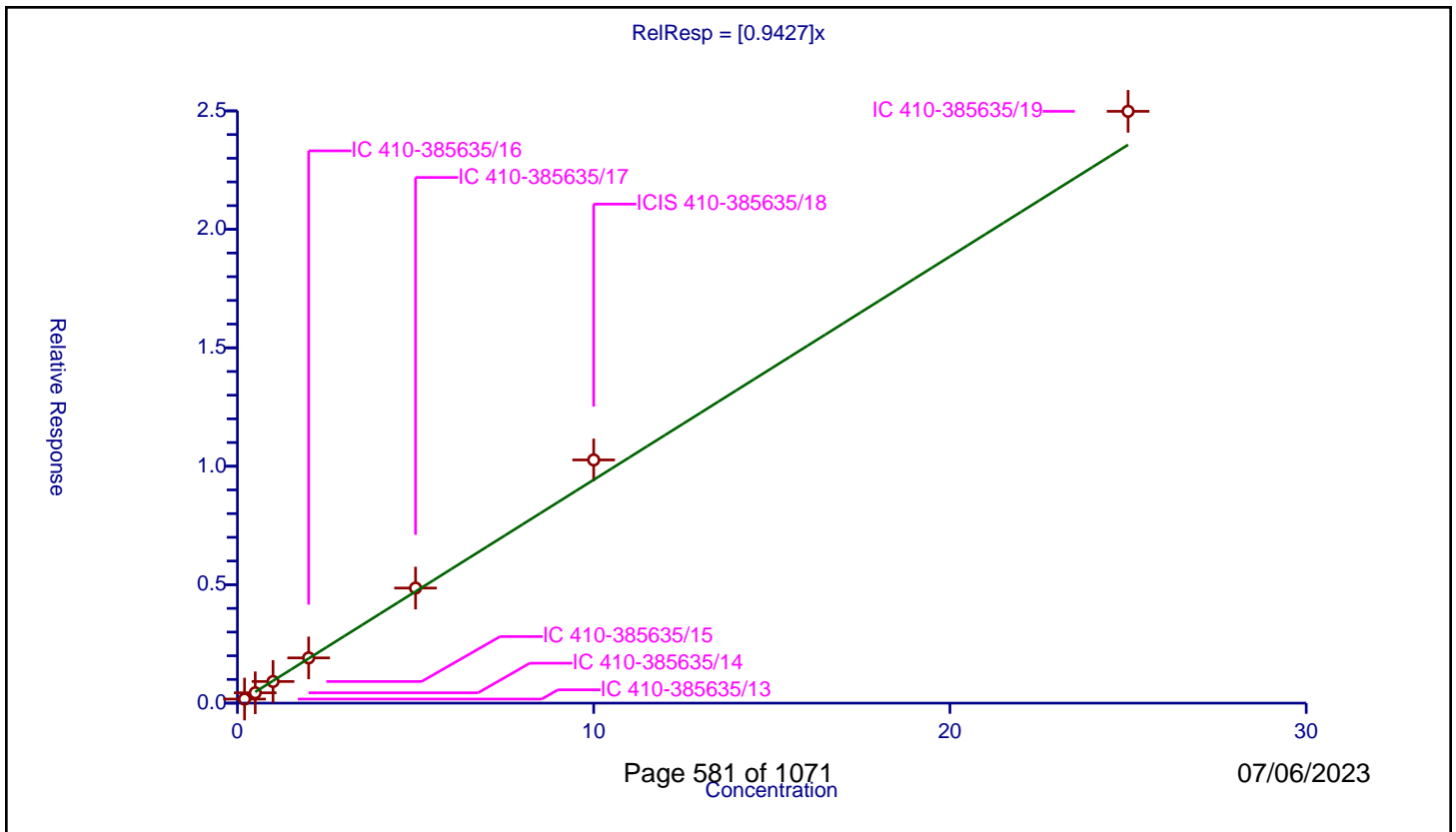
/ 1,2,3-Trichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.9427

Error Coefficients	
Standard Error:	1540000
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 410-385635/13	0.2	0.171964	10.0	1281544.0	0.859822	Y
2	IC 410-385635/14	0.5	0.437082	10.0	1265988.0	0.874163	Y
3	IC 410-385635/15	1.0	0.913246	10.0	1298424.0	0.913246	Y
4	IC 410-385635/16	2.0	1.909155	10.0	1269850.0	0.954577	Y
5	IC 410-385635/17	5.0	4.857264	10.0	1271792.0	0.971453	Y
6	ICIS 410-385635/18	10.0	10.266203	10.0	1322900.0	1.02662	Y
7	IC 410-385635/19	25.0	24.982184	10.0	1386958.0	0.999287	Y



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

Lab Name: Eurofins Lancaster Laboratories Environ Job No.: 410-131835-1 Analy Batch No.: 388102

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/19/2023 14:49 Calibration End Date: 06/19/2023 16:55 Calibration ID: 51350

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-388102/3	IU19X02.D
Level 2	IC 410-388102/4	IU19X03.D
Level 3	IC 410-388102/5	IU19X04.D
Level 4	IC 410-388102/6	IU19X05.D
Level 5	IC 410-388102/7	IU19X06.D
Level 6	IC 410-388102/8	IU19X07.D
Level 7	IC 410-388102/9	IU19X08.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	13875 702885	42825 1791816	70059	147068	354220	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methoxymethane	FB	Ave	11886 597989	32491 1588476	67276	116853	315734	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetonitrile	FB	Ave	++++ 84890	++++ 276683	12033	22246	46193	++++ 50.0	++++ 125	5.00	10.0	25.0
Vinyl acetate	FB	Ave	13657 596485	33879 1543134	61164	113242	302053	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl acetate	FB	Ave	3840 266923	10477 690605	20416	46431	129747	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloroethyl vinyl ether	FB	Ave	++++ 3197	++++ 7591	++++	++++	895	++++ 10.0	++++ 25.0	++++	++++	5.00
cis-1,4-Dichloro-2-butene	CBZd 5	Ave	4787 329445	12683 865958	26241	58366	160237	0.400 20.0	1.00 50.0	2.00	4.00	10.0
Cyclohexanone	TBAd 10	Ave	++++ 441030	30502 1415471	48696	99814	217173	++++ 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.: 410-131835-1 Analy Batch No.: 388102

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/19/2023 14:49 Calibration End Date: 06/19/2023 16:55 Calibration ID: 51350

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-388102/3	IU19X02.D
Level 2	IC 410-388102/4	IU19X03.D
Level 3	IC 410-388102/5	IU19X04.D
Level 4	IC 410-388102/6	IU19X05.D
Level 5	IC 410-388102/7	IU19X06.D
Level 6	IC 410-388102/8	IU19X07.D
Level 7	IC 410-388102/9	IU19X08.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	-7.5 0.0	9.8	-1.5	2.6	-2.0	-1.4	50 30	30	30	30	30	30
Methoxymethane	-7.4 3.7	-2.6	10.6	-4.6	2.2	-1.9	50 30	30	30	30	30	30
Acetonitrile	++++ 6.4	++++	16.5	7.0	-11.9	-18.0	30		50	30	30	30
Vinyl acetate	6.8 1.1	2.0	0.9	-7.2	-1.9	-1.8	50 30	30	30	30	30	30
Ethyl acetate	-20.5 19.7	-16.6	-10.9	0.6	11.5	16.2	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	++++ 13.5	++++	++++	++++	-33.6	20.1	30				50	30
cis-1,4-Dichloro-2-butene	-19.7 19.7	-18.2	-8.3	1.6	10.7	14.3	50 30	30	30	30	30	30
Cyclohexanone	++++ 8.8	-11.2	-8.9	2.4	0.1	8.7	30	50	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X02.D
 Lims ID: IC std1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 19-Jun-2023 14:49:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086929-003
 Misc. Info.: SM 25.0
 Operator ID: KNK41612 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub44
 Method: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Jun-2023 12:29:44 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1687

First Level Reviewer: DVW2

Date: 20-Jun-2023 10:47:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorodifluoromethane	51	1.867	1.867	0.000	96	13875	0.2000	0.1849	
3 Dimethyl ether	45	1.922	1.922	0.000	100	11886	0.2000	0.1853	Ma
21 Acetonitrile	41	3.824	3.788	0.036	19	11647	1.00	5.35	M
* 26 t-Butyl alcohol-d10 (IS)	65	3.940	3.977	-0.037	22	144911	50.0	50.0	M
33 Vinyl acetate	43	5.062	4.989	0.073	70	13657	0.2000	0.2137	M
42 Ethyl acetate	43	5.946	5.891	0.055	3	3840	0.2000	0.1589	Ma
59 Isopropyl acetate	43	7.141	7.128	0.013	94	15837	0.2000	0.2417	
* 61 Fluorobenzene (IS)	96	7.445	7.452	-0.007	99	1898742	10.0	10.0	
70 n-Propyl acetate	43	8.470	8.445	0.025	45	8658	0.2000	0.2066	Ma
73 2-Chloroethyl vinyl ether	63		9.006				ND	ND	
104 n-Butyl acetate	43	10.427	10.408	0.019	96	9343	0.2000	0.1790	
* 107 Chlorobenzene-d5 (IS)	117	10.987	10.988	-0.001	84	1487320	10.0	10.0	
118 cis-1,4-Dichloro-2-butene	88	11.908	11.902	0.006	29	4787	0.4000	0.3211	a
119 Cyclohexanone	55	11.945	11.938	0.007	86	7240	10.0	5.15	
* 135 1,4-Dichlorobenzene-d4	152	12.883	12.884	-0.001	93	920648	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_00025	Amount Added: 0.20	Units: uL
MSV_DME_00046	Amount Added: 0.20	Units: uL
MSV_CCV_CYC_00005	Amount Added: 1.60	Units: uL
MSV_LLcentISO_00006	Amount Added: 5.00	Units: uL
MSV_V_SMRV4_00059	Amount Added: 1.00	Units: uL

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X02.D

Injection Date: 19-Jun-2023 14:49:30

Instrument ID: 19930

Operator ID: KNK41612

Lims ID: IC std1

Worklist Smp#: 3

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

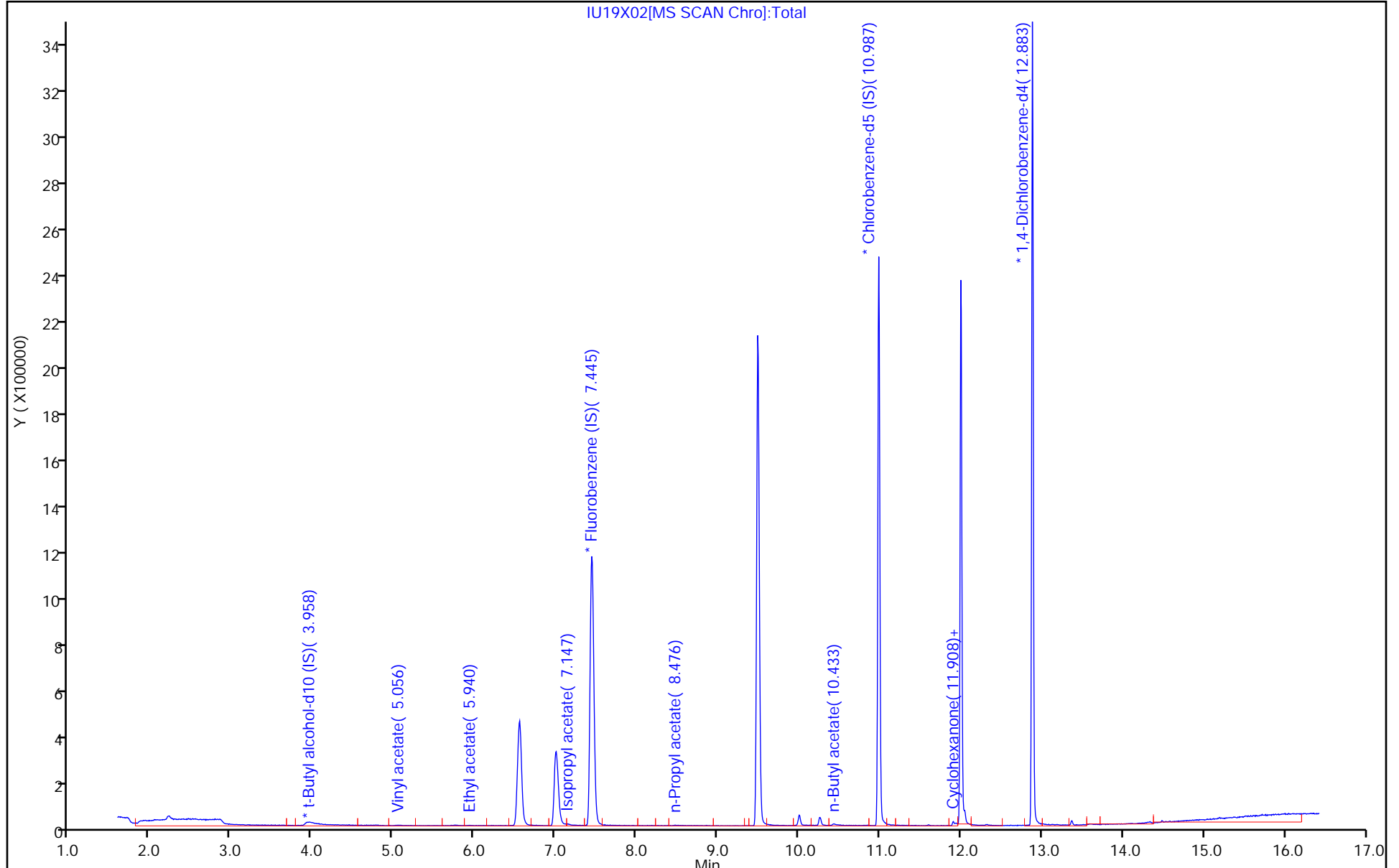
ALS Bottle#: 2

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

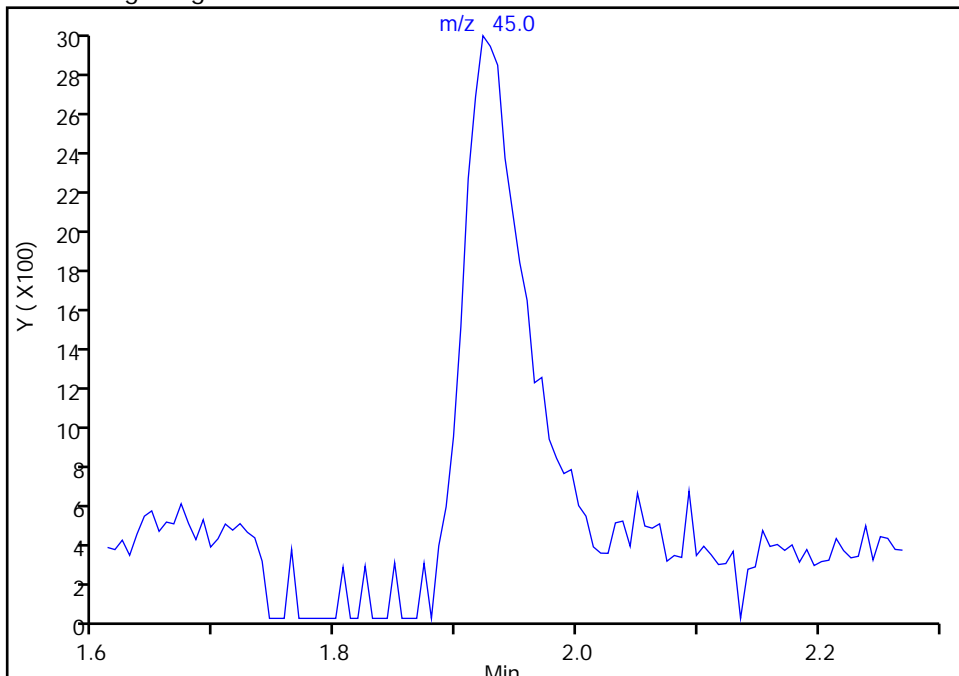
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X02.D
Injection Date: 19-Jun-2023 14:49:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: KNK41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

3 Dimethyl ether, CAS: 115-10-6

Signal: 1

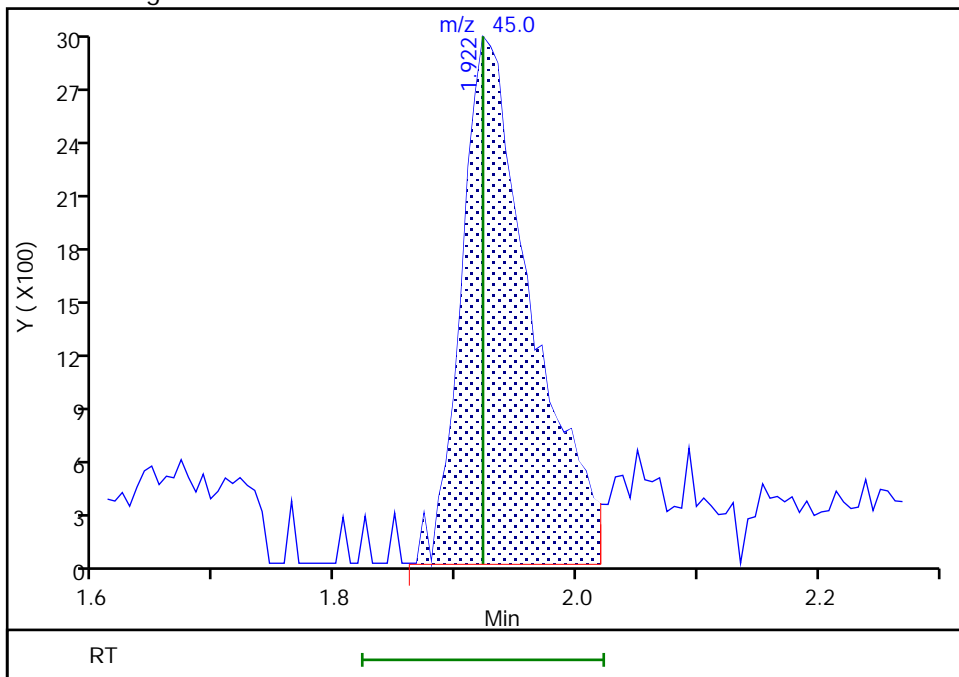
Not Detected
Expected RT: 1.92

Processing Integration Results



Manual Integration Results

RT: 1.92
Area: 11886
Amount: 0.185276
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 08:18:24 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

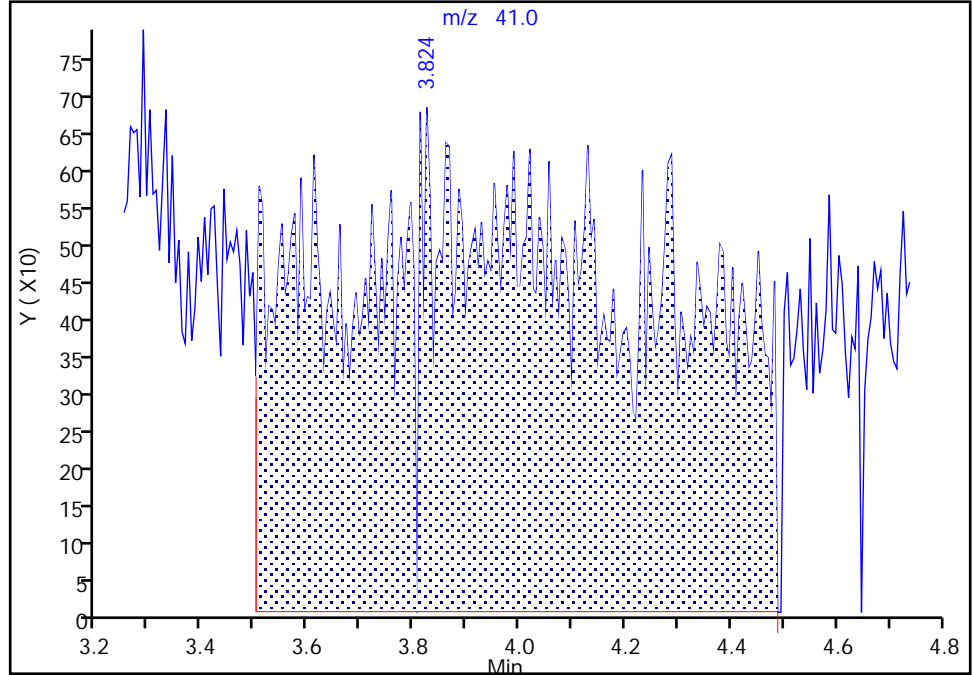
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X02.D
Injection Date: 19-Jun-2023 14:49:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: KNK41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

21 Acetonitrile, CAS: 75-05-8

Signal: 1

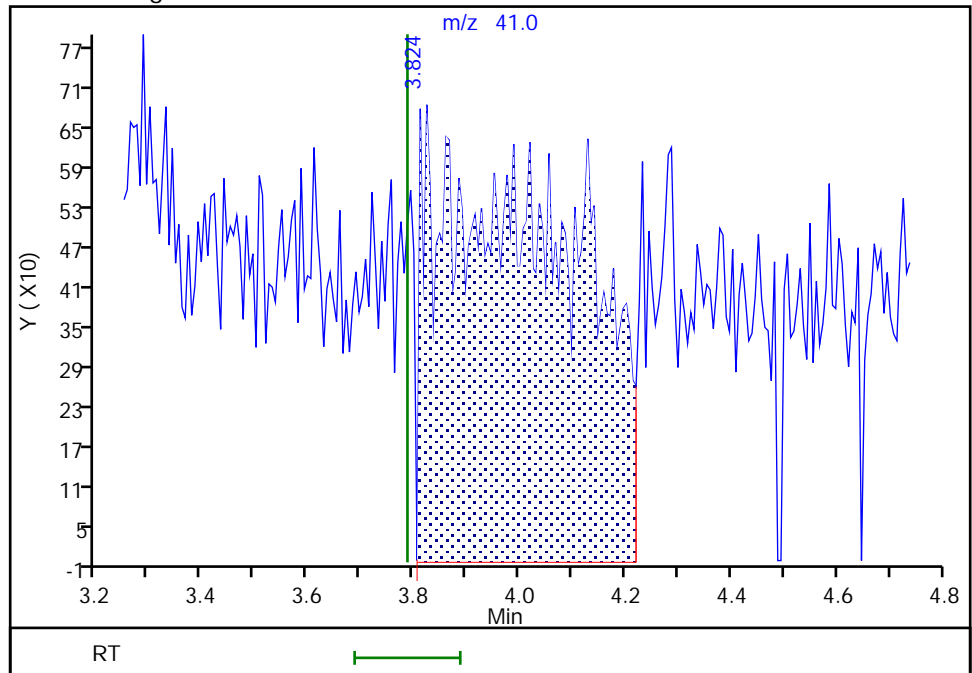
RT: 3.82
Area: 26038
Amount: 3.960059
Amount Units: ug/l

Processing Integration Results



RT: 3.82
Area: 11647
Amount: 5.347833
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:19:20 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

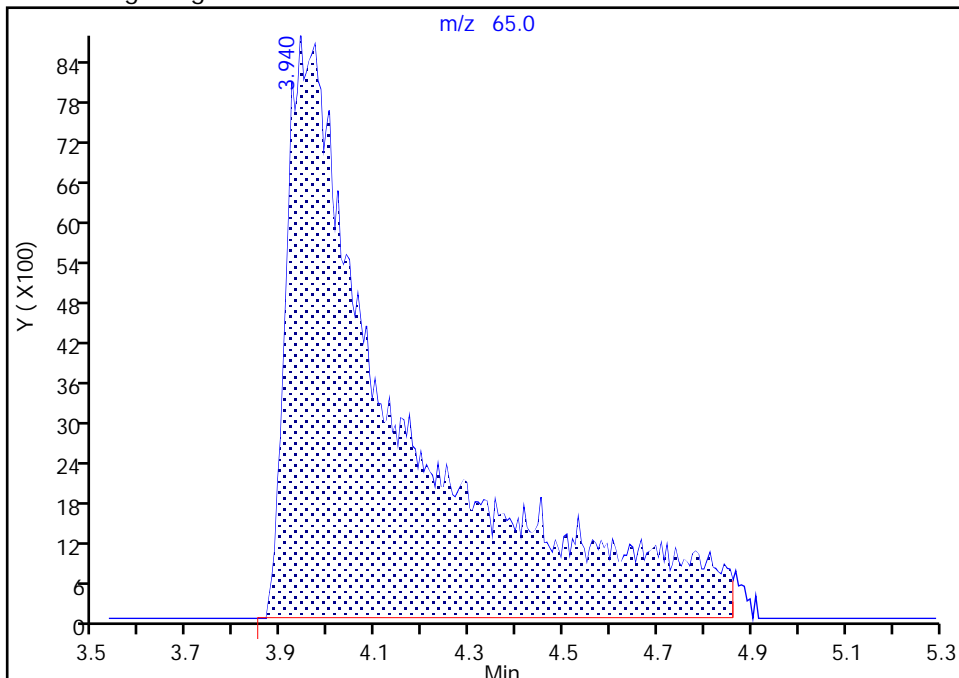
Data File:	\\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X02.D		
Injection Date:	19-Jun-2023 14:49:30	Instrument ID:	19930
Lims ID:	IC std1		
Client ID:			
Operator ID:	KNK41612	ALS Bottle#:	2
Purge Vol:	25.000 mL	Dil. Factor:	1.0000
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D
Column:	Rxi-624Sil MS Capillary Column (0.25mm ID)	Detector:	MS Quad
		Worklist Smp#:	3

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

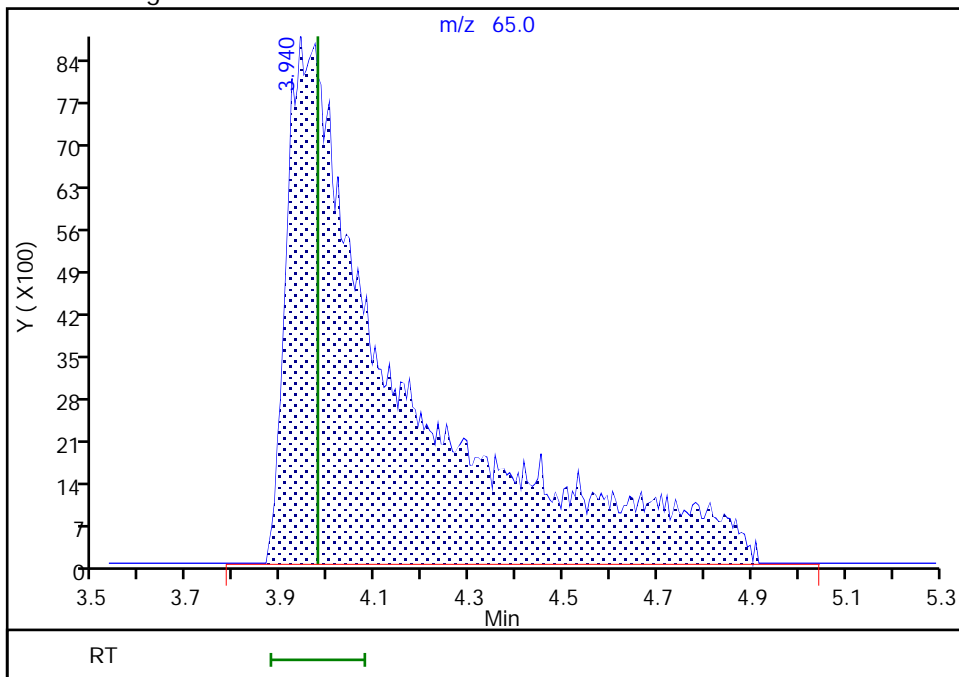
RT: 3.94
 Area: 143786
 Amount: 50.000000
 Amount Units: ug/l

Processing Integration Results



RT: 3.94
 Area: 144911
 Amount: 50.000000
 Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:19:28 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

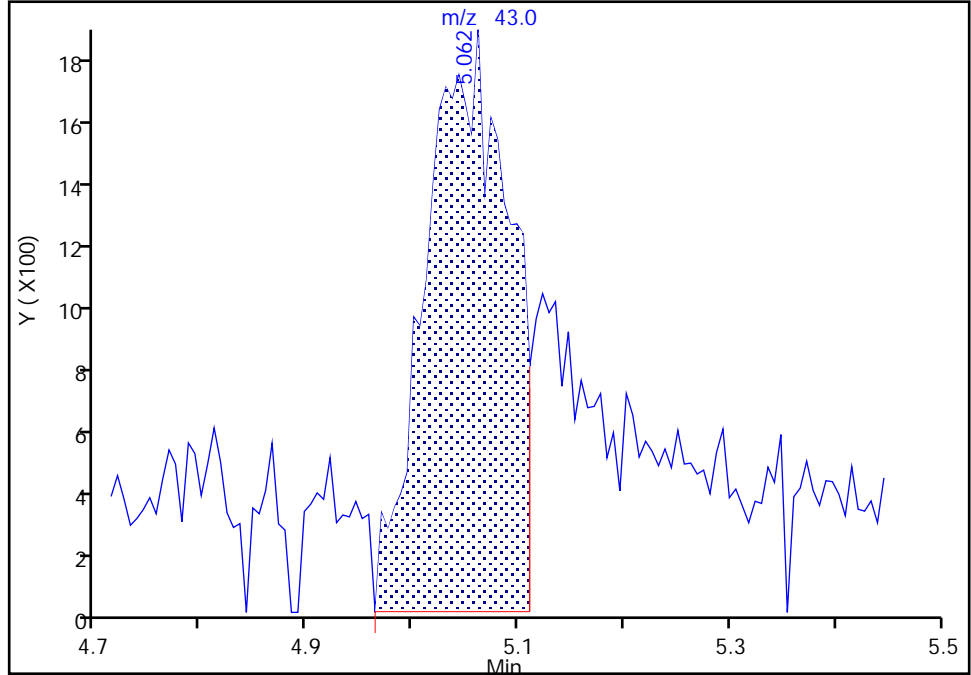
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X02.D
Injection Date: 19-Jun-2023 14:49:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: KNK41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

33 Vinyl acetate, CAS: 108-05-4

Signal: 1

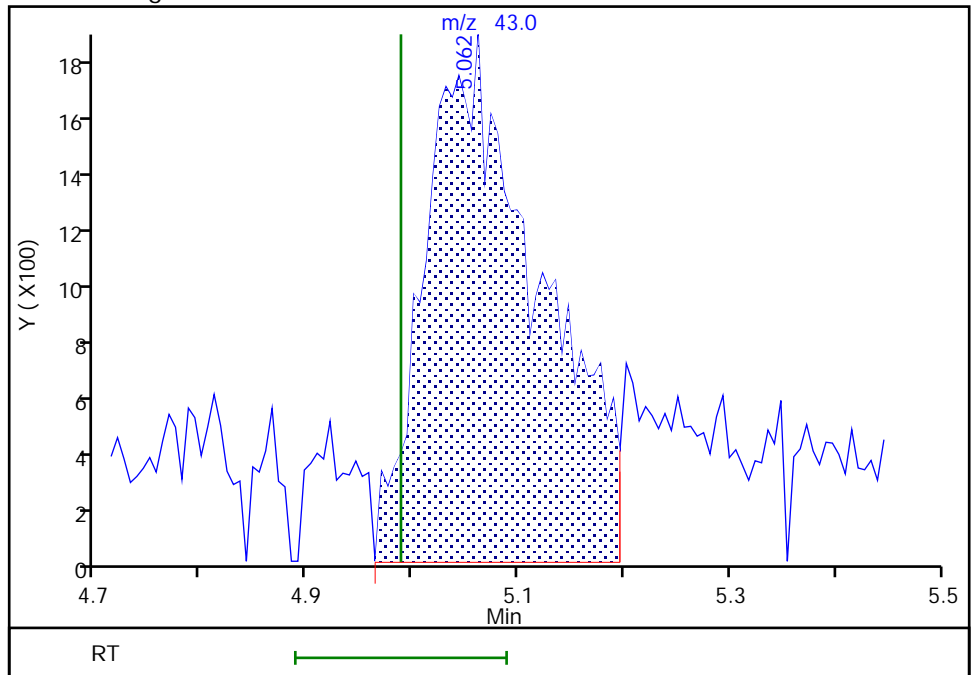
RT: 5.06
Area: 9958
Amount: 0.163514
Amount Units: ug/l

Processing Integration Results



RT: 5.06
Area: 13657
Amount: 0.213695
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:19:45 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

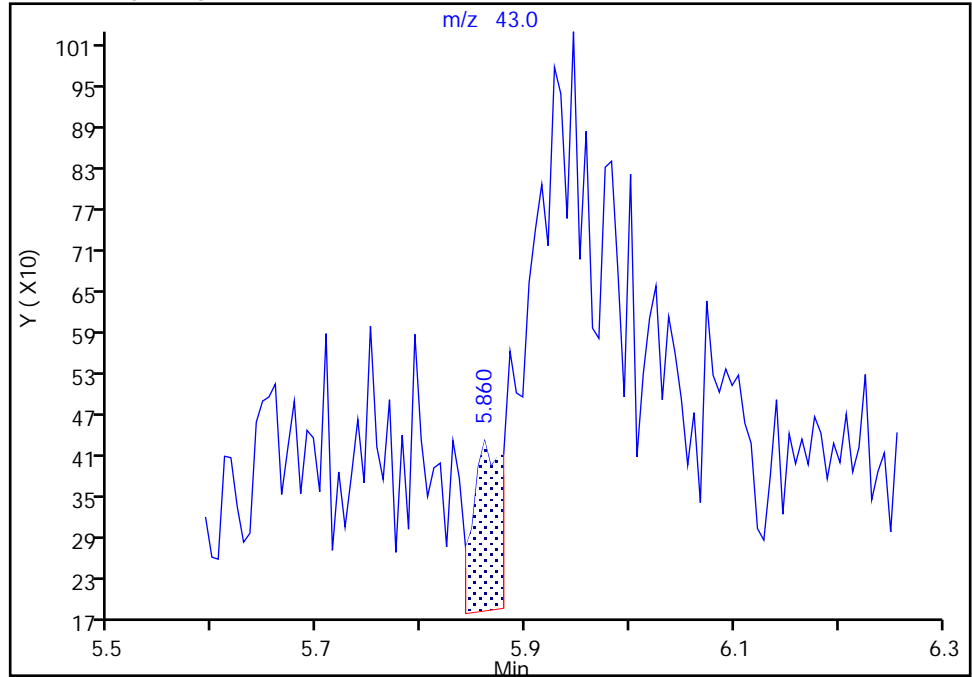
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X02.D
Injection Date: 19-Jun-2023 14:49:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: KNK41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

42 Ethyl acetate, CAS: 141-78-6

Signal: 1

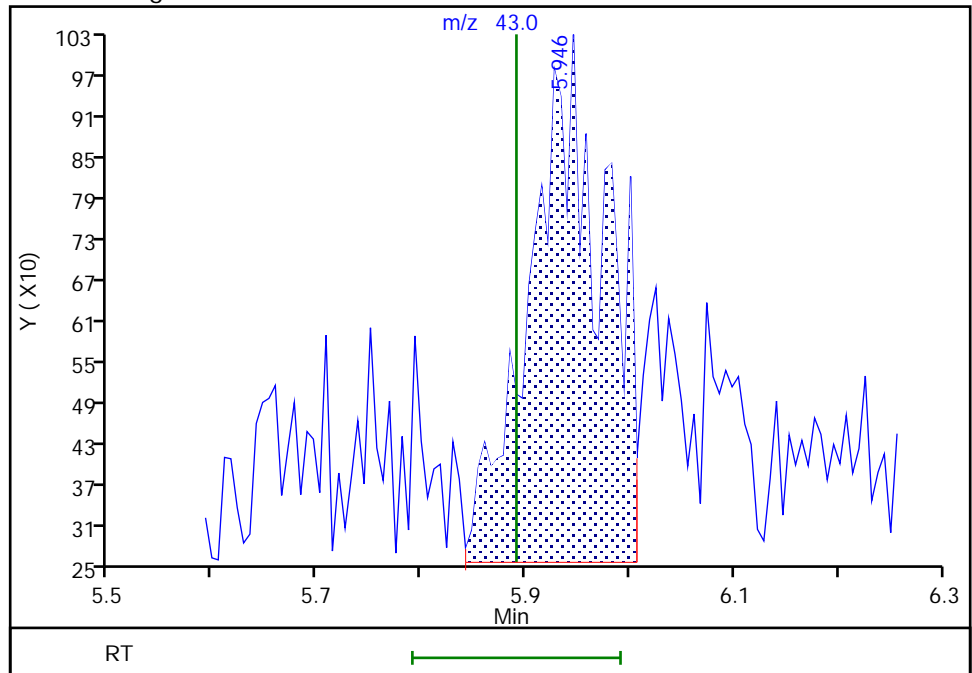
RT: 5.86
Area: 494
Amount: 0.289235
Amount Units: ug/l

Processing Integration Results



RT: 5.95
Area: 3840
Amount: 0.158917
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:20:03 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

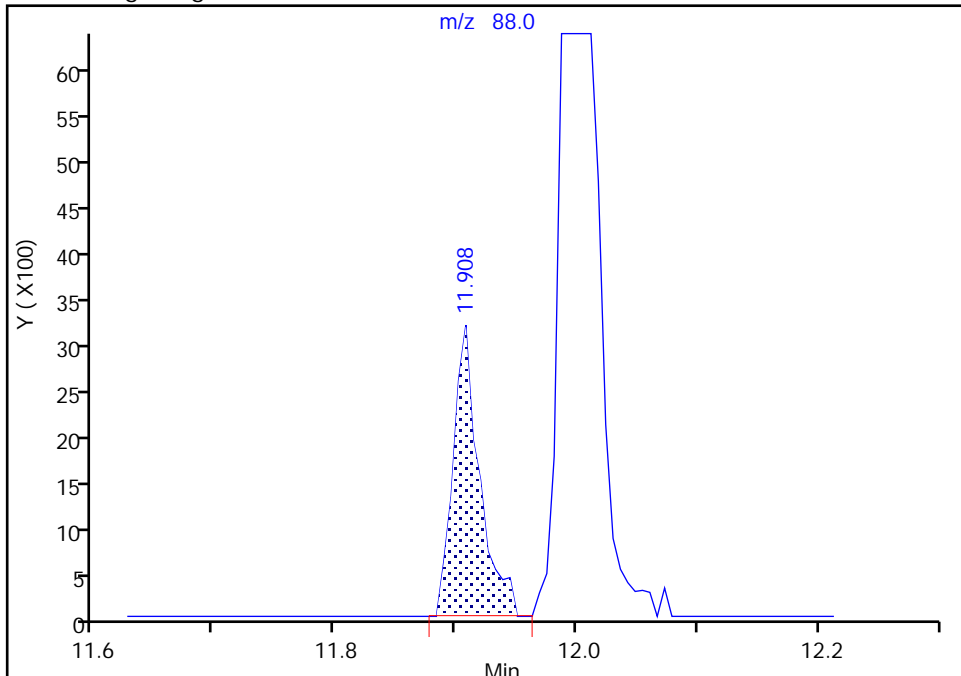
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X02.D
Injection Date: 19-Jun-2023 14:49:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: KNK41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

118 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

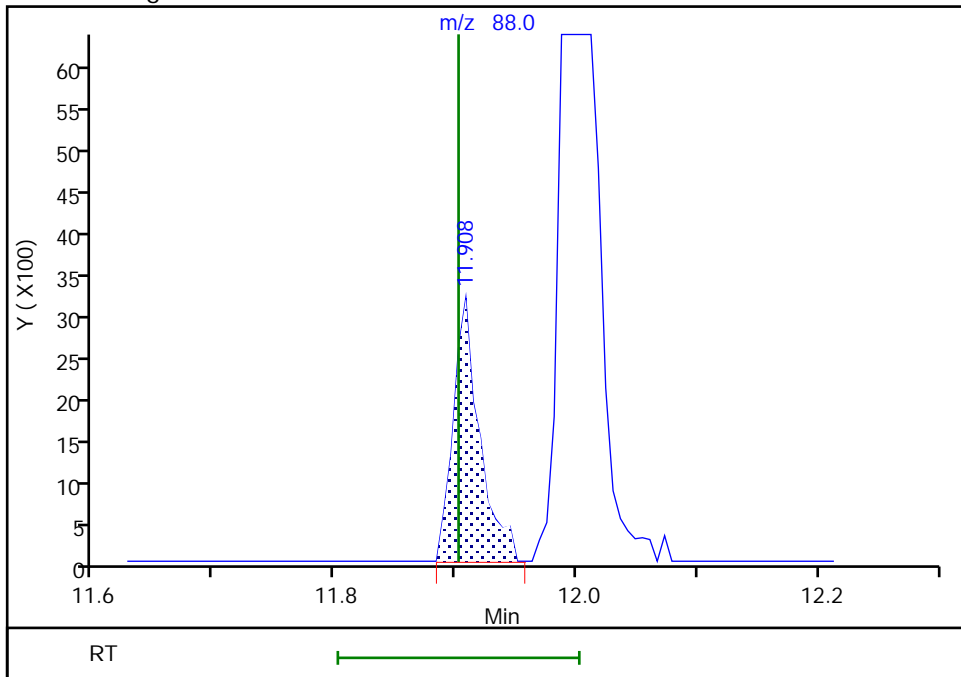
RT: 11.91
Area: 4786
Amount: 0.292178
Amount Units: ug/l

Processing Integration Results



RT: 11.91
Area: 4787
Amount: 0.321094
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:32:12 -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\19930\20230619-86929.b\IU19X03.D
 Lims ID: IC std2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 19-Jun-2023 15:10:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086929-004
 Misc. Info.: SM 10.0
 Operator ID: KNK41612 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub44
 Method: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Jun-2023 12:29:47 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1687

First Level Reviewer: DVW2

Date: 21-Jun-2023 08:17:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorodifluoromethane	51	1.879	1.867	0.012	96	42825	0.5000	0.5491	
3 Dimethyl ether	45	1.928	1.922	0.006	98	32491	0.5000	0.4872	
21 Acetonitrile	41	3.769	3.788	-0.019	20	14059	2.50	6.21	M
* 26 t-Butyl alcohol-d10 (IS)	65	3.964	3.977	-0.013	22	141625	50.0	50.0	M
33 Vinyl acetate	43	5.025	4.989	0.036	97	33879	0.5000	0.5100	
42 Ethyl acetate	43	5.927	5.891	0.036	94	10477	0.5000	0.4171	
59 Isopropyl acetate	43	7.134	7.128	0.006	98	31989	0.5000	0.4696	
* 61 Fluorobenzene (IS)	96	7.445	7.452	-0.007	99	1973742	10.0	10.0	
70 n-Propyl acetate	43	8.470	8.445	0.025	98	15407	0.5000	0.3537	
73 2-Chloroethyl vinyl ether	63		9.006				ND	ND	
104 n-Butyl acetate	43	10.420	10.408	0.012	98	27123	0.5000	0.4995	M
* 107 Chlorobenzene-d5 (IS)	117	10.987	10.988	-0.001	84	1547291	10.0	10.0	
118 cis-1,4-Dichloro-2-butene	88	11.908	11.902	0.006	30	12683	1.00	0.8178	
119 Cyclohexanone	55	11.944	11.938	0.006	88	30502	25.0	22.2	
* 135 1,4-Dichlorobenzene-d4	152	12.883	12.884	-0.001	93	946775	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_00025	Amount Added: 0.50	Units: uL
MSV_DME_00046	Amount Added: 0.50	Units: uL
MSV_CCV_CYC_00005	Amount Added: 4.00	Units: uL
MSV_LLcentISO_00006	Amount Added: 5.00	Units: uL
MSV_V_SMRV4_00059	Amount Added: 2.50	Units: uL

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X03.D

Injection Date: 19-Jun-2023 15:10:30

Instrument ID: 19930

Operator ID: KNK41612

Lims ID: IC std2

Worklist Smp#: 4

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

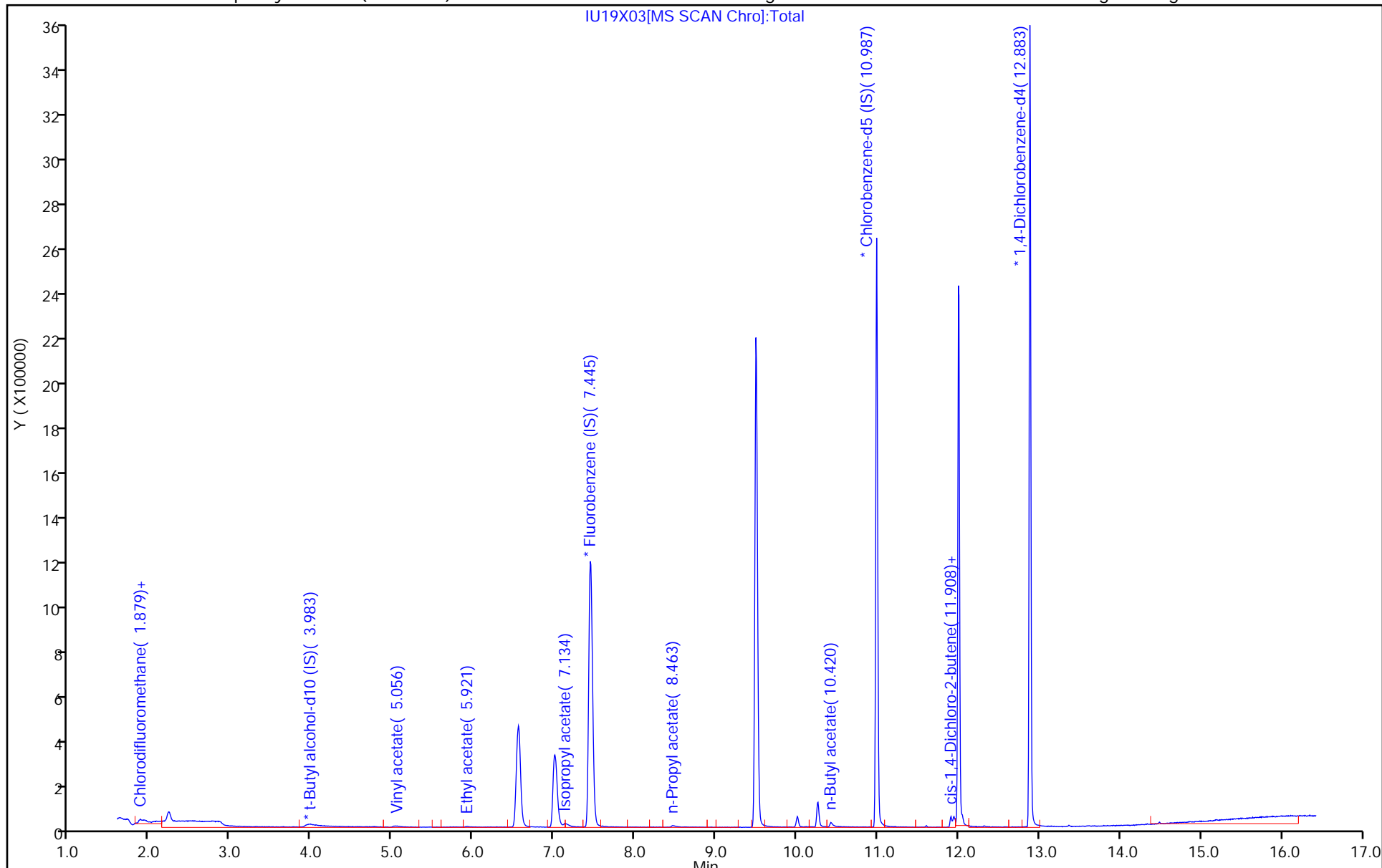
ALS Bottle#: 3

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



Euofins Lancaster Laboratories Environment Testing, LLC

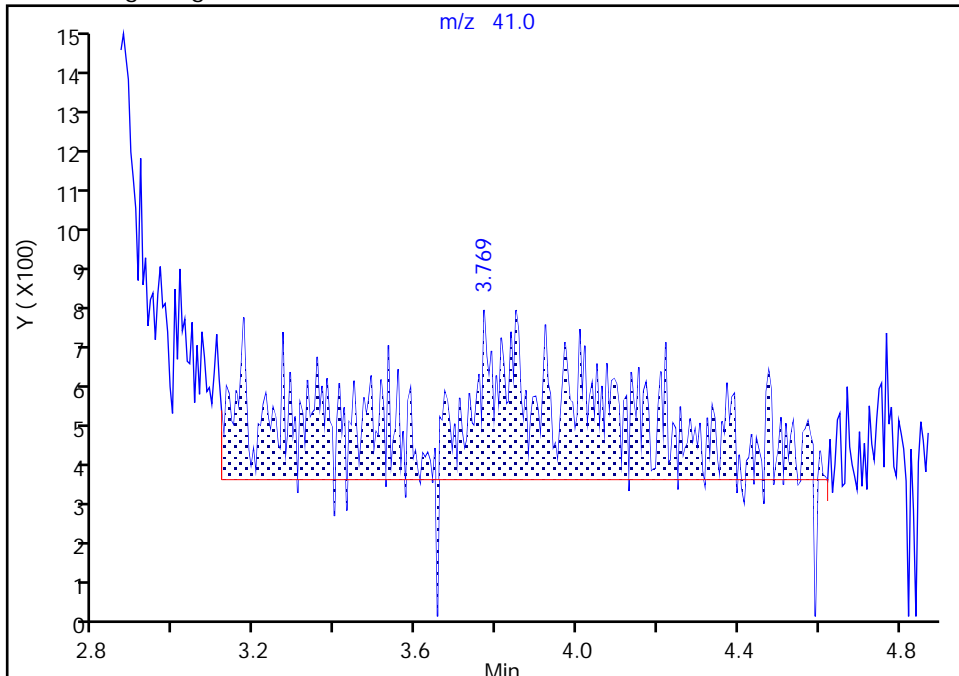
Data File:	\\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X03.D		
Injection Date:	19-Jun-2023 15:10:30	Instrument ID:	19930
Lims ID:	IC std2		
Client ID:			
Operator ID:	KNK41612	ALS Bottle#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D
Column:	Rxi-624Sil MS Capillary Column (0.25mm ID)	Detector:	MS Quad
		Worklist Smp#:	4

21 Acetonitrile, CAS: 75-05-8

Signal: 1

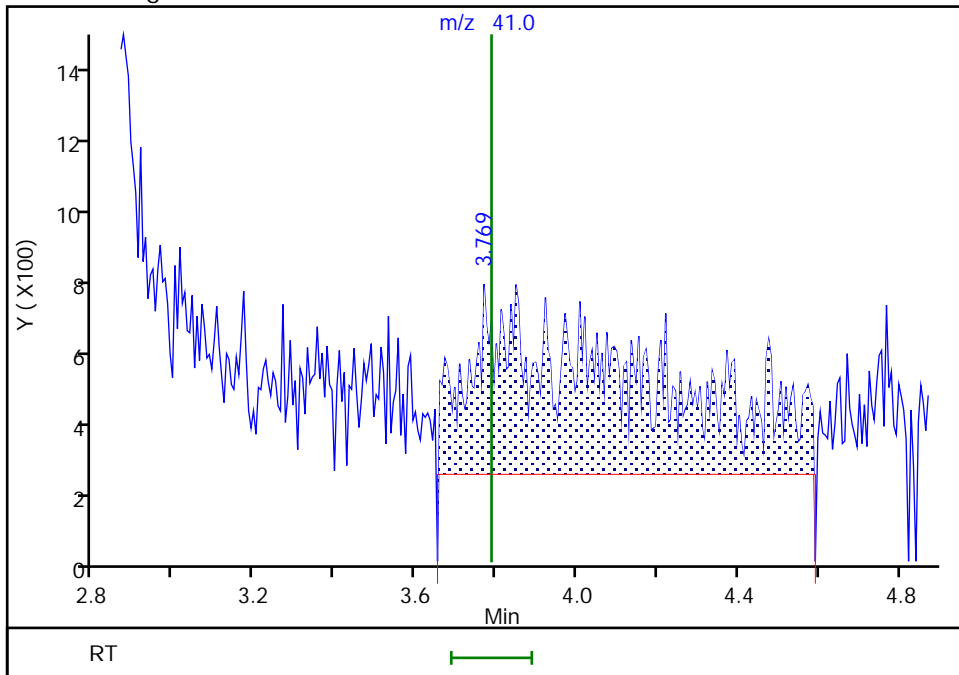
RT: 3.77
 Area: 13000
 Amount: 5.742258
 Amount Units: ug/l

Processing Integration Results



RT: 3.77
 Area: 14059
 Amount: 6.210031
 Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 16:08:51 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

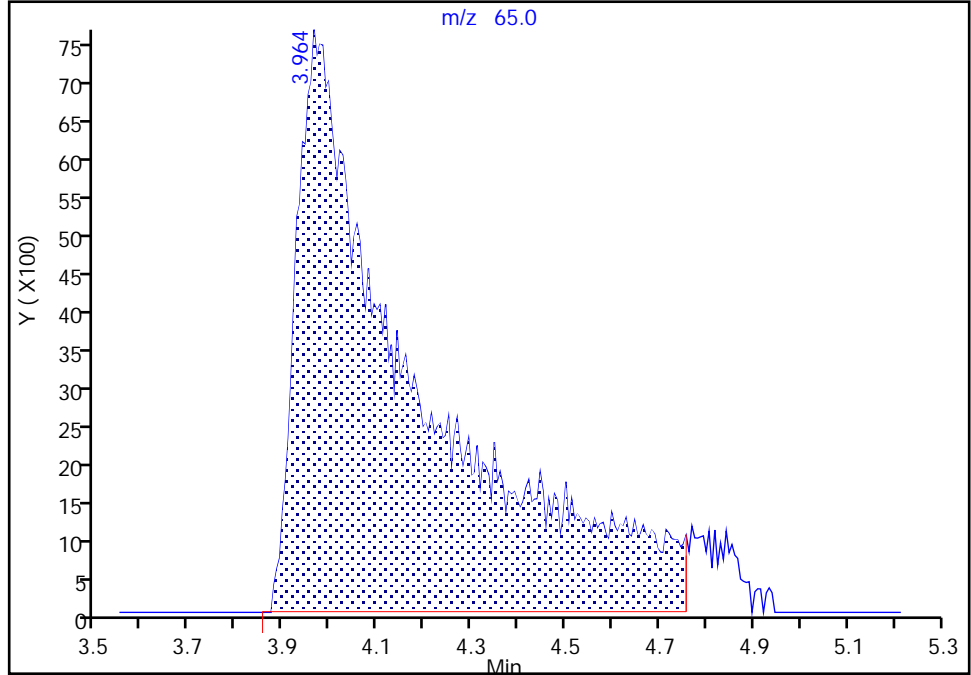
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X03.D
Injection Date: 19-Jun-2023 15:10:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: KNK41612 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

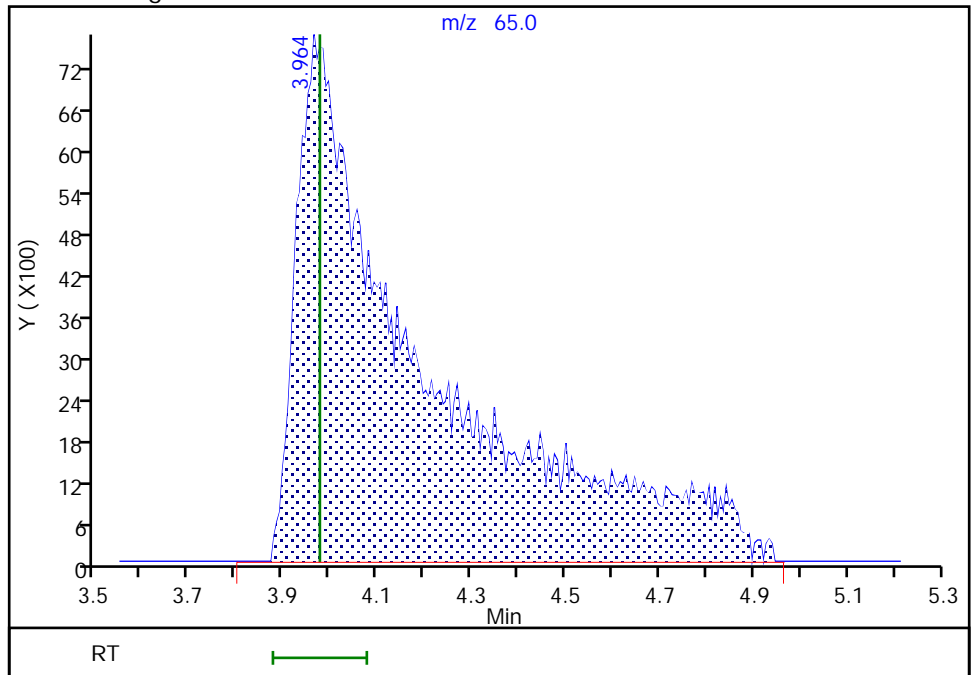
RT: 3.96
Area: 134592
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 3.96
Area: 141625
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 16:08:59 -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\19930\20230619-86929.b\IU19X04.D
 Lims ID: IC std3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 19-Jun-2023 15:31:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086929-005
 Misc. Info.: SM 5.0
 Operator ID: KNK41612 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub44
 Method: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Jun-2023 12:29:50 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1687

First Level Reviewer: DVW2

Date: 21-Jun-2023 08:23:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorodifluoromethane	51	1.867	1.867	0.000	97	70059	1.00	0.9846	
3 Dimethyl ether	45	1.922	1.922	0.000	100	67276	1.00	1.11	
21 Acetonitrile	41	3.775	3.788	-0.013	22	12033	5.00	5.83	M
* 26 t-Butyl alcohol-d10 (IS)	65	3.995	3.977	0.018	22	110300	50.0	50.0	
33 Vinyl acetate	43	5.007	4.989	0.018	97	61164	1.00	1.01	
42 Ethyl acetate	43	5.909	5.891	0.018	97	20416	1.00	0.8909	
59 Isopropyl acetate	43	7.141	7.128	0.013	98	62822	1.00	1.01	M
* 61 Fluorobenzene (IS)	96	7.445	7.452	-0.007	99	1800694	10.0	10.0	
70 n-Propyl acetate	43	8.470	8.445	0.025	99	37708	1.00	0.9489	Ma
73 2-Chloroethyl vinyl ether	63		9.006				ND	ND	
104 n-Butyl acetate	43	10.414	10.408	0.006	98	52499	1.00	1.05	
* 107 Chlorobenzene-d5 (IS)	117	10.987	10.988	-0.001	84	1428082	10.0	10.0	
118 cis-1,4-Dichloro-2-butene	88	11.908	11.902	0.006	30	26241	2.00	1.83	a
119 Cyclohexanone	55	11.944	11.938	0.006	90	48696	50.0	45.5	
* 135 1,4-Dichlorobenzene-d4	152	12.883	12.884	-0.001	93	873761	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_00025	Amount Added: 1.00	Units: uL
MSV_DME_00046	Amount Added: 1.00	Units: uL
MSV_CCV_CYC_00005	Amount Added: 8.00	Units: uL
MSV_LLcentISO_00006	Amount Added: 5.00	Units: uL
MSV_V_SMRV4_00059	Amount Added: 5.00	Units: uL

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X04.D

Injection Date: 19-Jun-2023 15:31:30

Instrument ID: 19930

Operator ID: KNK41612

Lims ID: IC std3

Worklist Smp#: 5

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

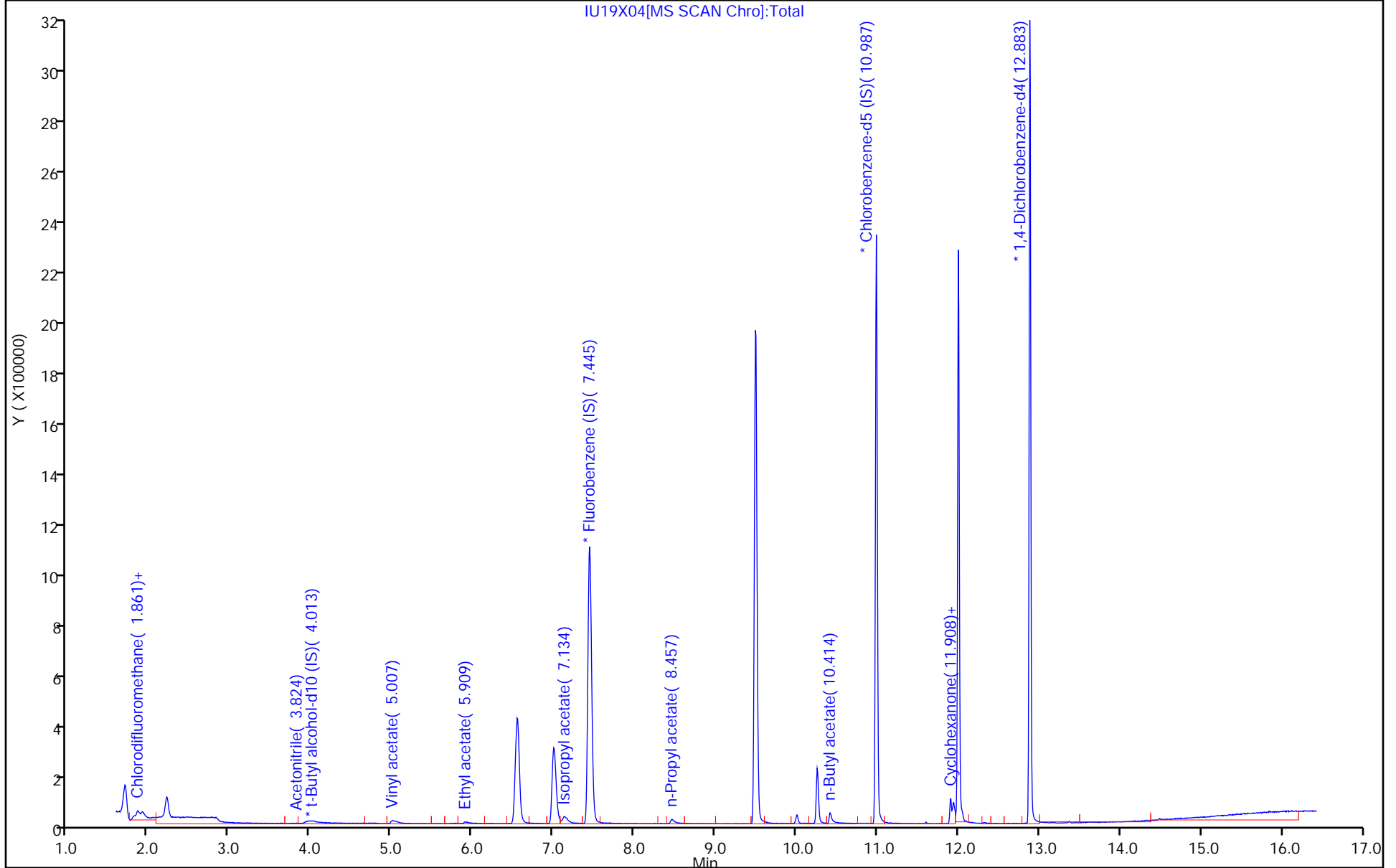
ALS Bottle#: 4

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

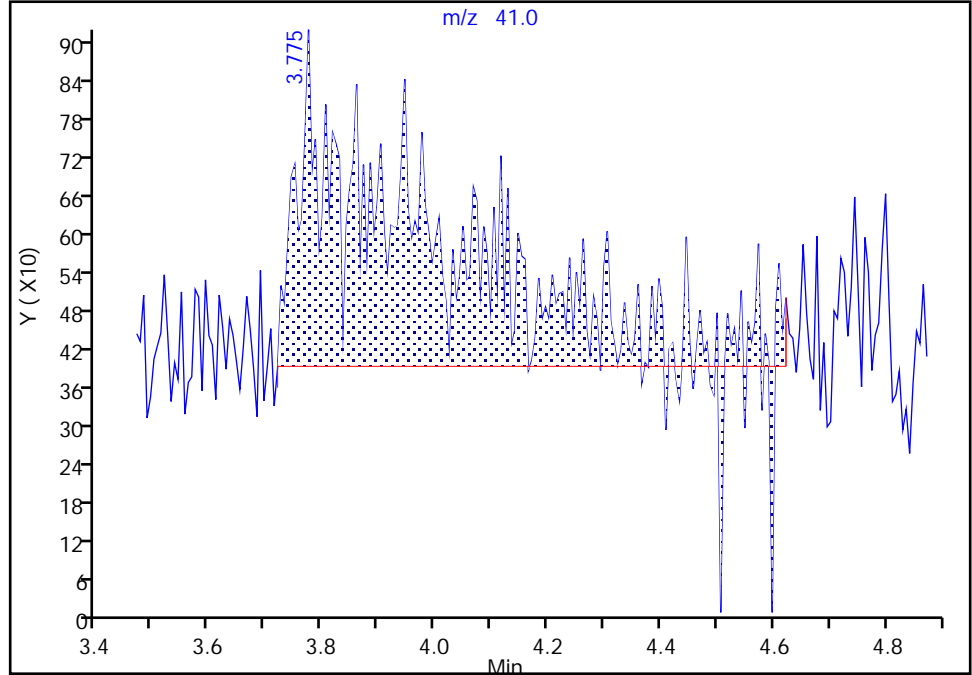
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Injection Date: 19-Jun-2023 15:31:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: KNK41612 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

21 Acetonitrile, CAS: 75-05-8

Signal: 1

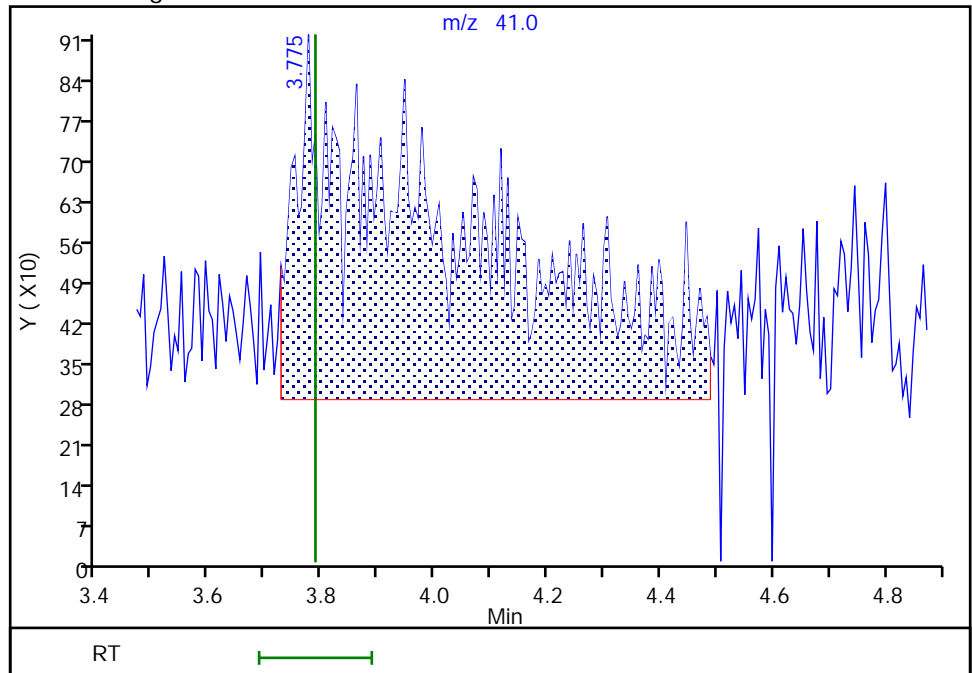
RT: 3.78
Area: 7280
Amount: 1.698582
Amount Units: ug/l

Processing Integration Results



RT: 3.78
Area: 12033
Amount: 5.825910
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 14:56:16 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

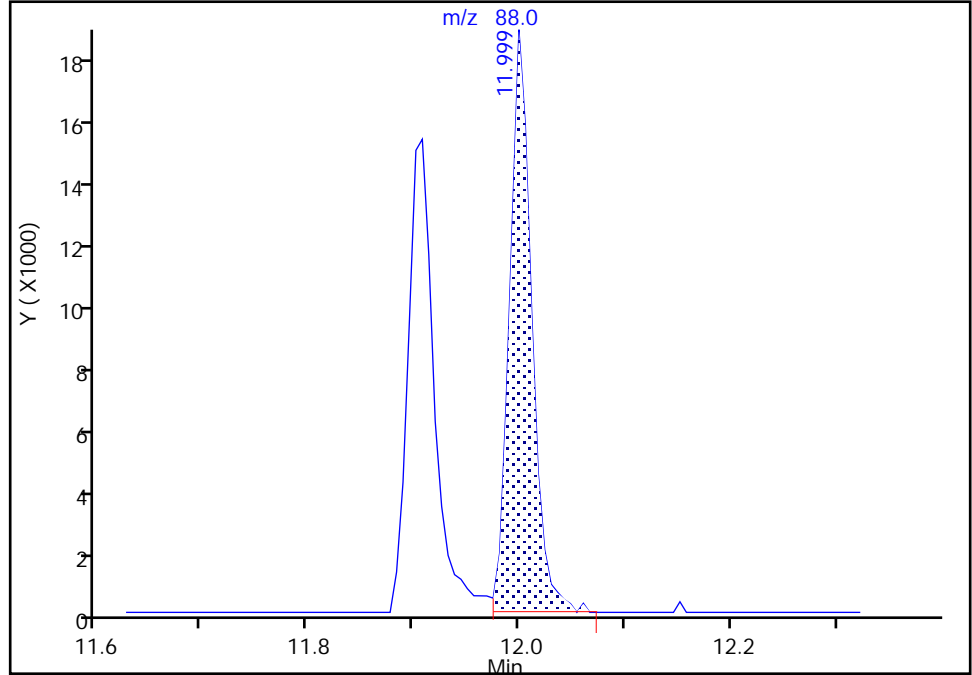
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X04.D
Injection Date: 19-Jun-2023 15:31:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: KNK41612 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

118 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

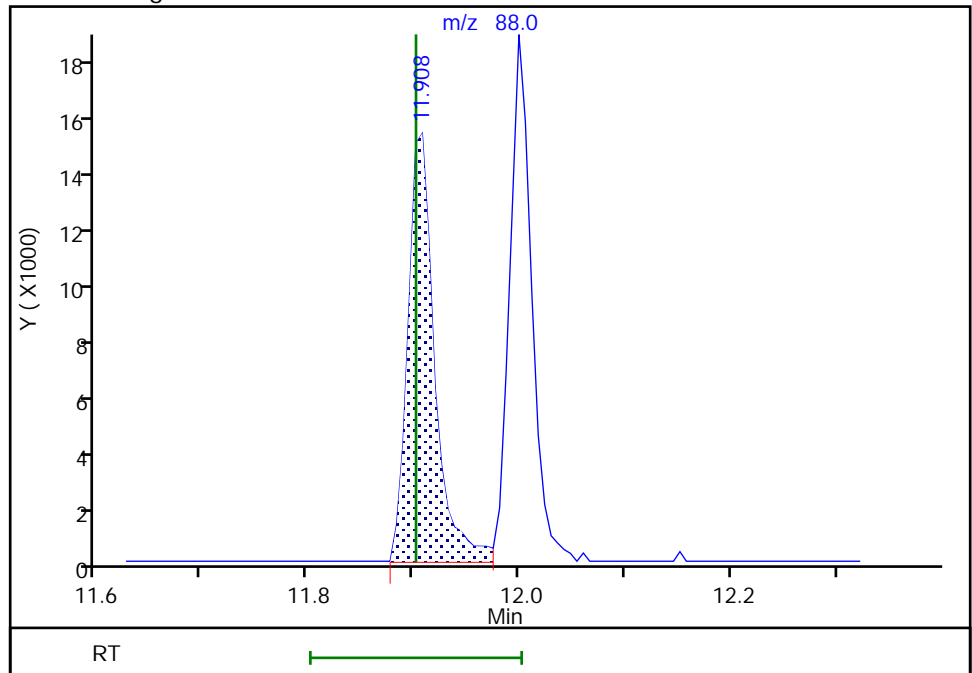
RT: 12.00
Area: 26883
Amount: 2.018193
Amount Units: ug/l

Processing Integration Results



RT: 11.91
Area: 26241
Amount: 1.833162
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:32:31 -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\19930\20230619-86929.b\IU19X05.D
 Lims ID: IC std4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 19-Jun-2023 15:52:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086929-006
 Misc. Info.: SM 2.0
 Operator ID: KNK41612 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub44
 Method: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Jun-2023 12:29:52 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1687

First Level Reviewer: DVW2

Date: 21-Jun-2023 08:23:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorodifluoromethane	51	1.867	1.867	0.000	96	147068	2.00	2.05	
3 Dimethyl ether	45	1.928	1.922	0.006	99	116853	2.00	1.91	
21 Acetonitrile	41	3.830	3.788	0.042	19	22246	10.0	10.7	Ma
* 26 t-Butyl alcohol-d10 (IS)	65	3.982	3.977	0.005	22	100489	50.0	50.0	
33 Vinyl acetate	43	5.007	4.989	0.018	97	113242	2.00	1.86	M
42 Ethyl acetate	43	5.903	5.891	0.012	99	46431	2.00	2.01	M
59 Isopropyl acetate	43	7.134	7.128	0.006	97	118911	2.00	1.90	M
* 61 Fluorobenzene (IS)	96	7.445	7.452	-0.007	99	1812979	10.0	10.0	
70 n-Propyl acetate	43	8.451	8.445	0.006	98	80951	2.00	2.02	M
73 2-Chloroethyl vinyl ether	63		9.006				ND	ND	
104 n-Butyl acetate	43	10.414	10.408	0.006	98	92045	2.00	1.83	
* 107 Chlorobenzene-d5 (IS)	117	10.987	10.988	-0.001	84	1432231	10.0	10.0	
118 cis-1,4-Dichloro-2-butene	88	11.908	11.902	0.006	29	58366	4.00	4.07	a
119 Cyclohexanone	55	11.938	11.938	0.000	90	99814	100.0	102.4	
* 135 1,4-Dichlorobenzene-d4	152	12.883	12.884	-0.001	93	868921	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_00025	Amount Added: 1.00	Units: uL
MSV_DME_00046	Amount Added: 1.00	Units: uL
MSV_CCV_CYC_00005	Amount Added: 8.00	Units: uL
MSV_LLcentISO_00006	Amount Added: 5.00	Units: uL
MSV_V_SMRV4_00059	Amount Added: 5.00	Units: uL

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X05.D

Injection Date: 19-Jun-2023 15:52:30

Instrument ID: 19930

Operator ID: KNK41612

Lims ID: IC std4

Worklist Smp#: 6

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

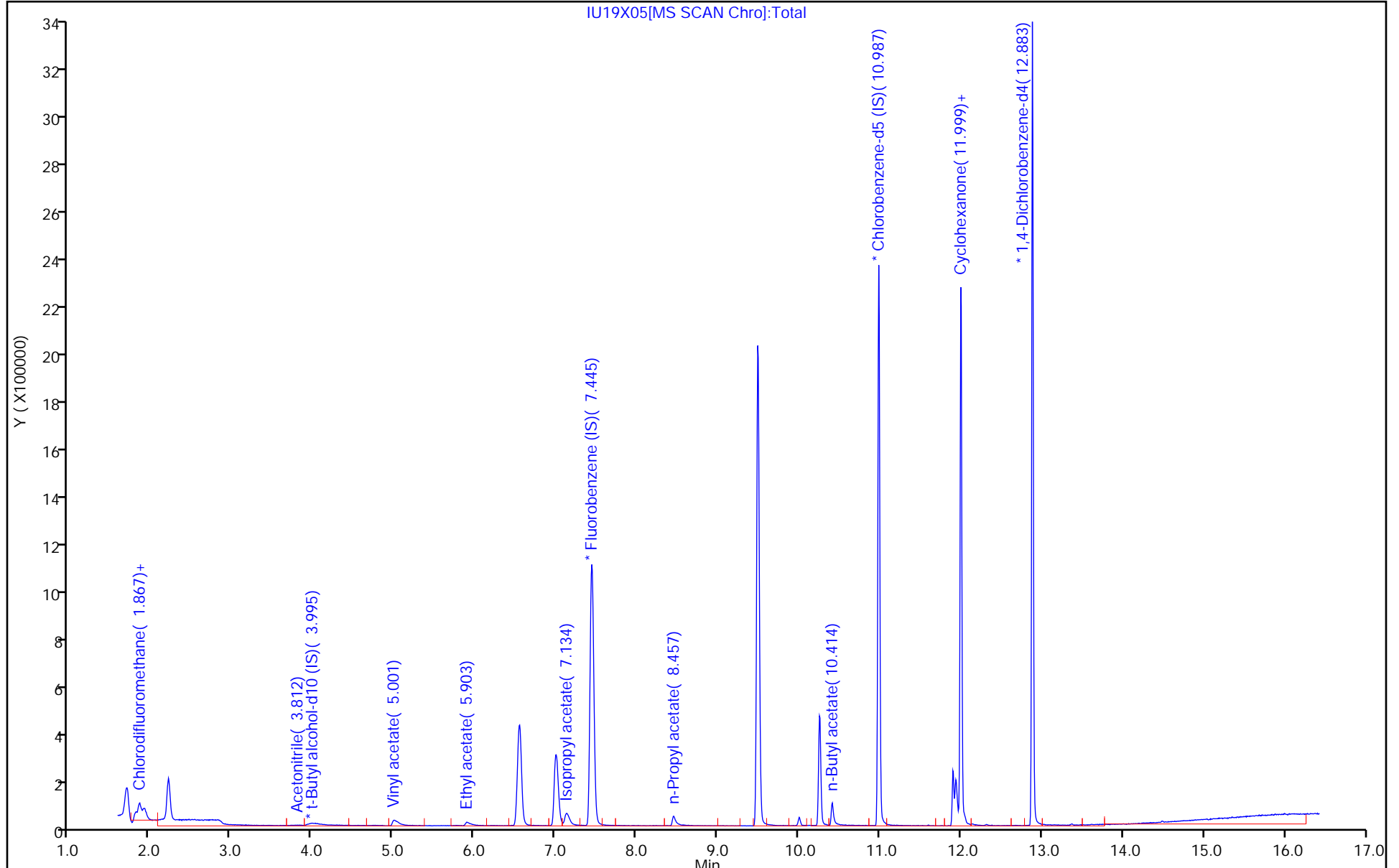
ALS Bottle#: 5

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

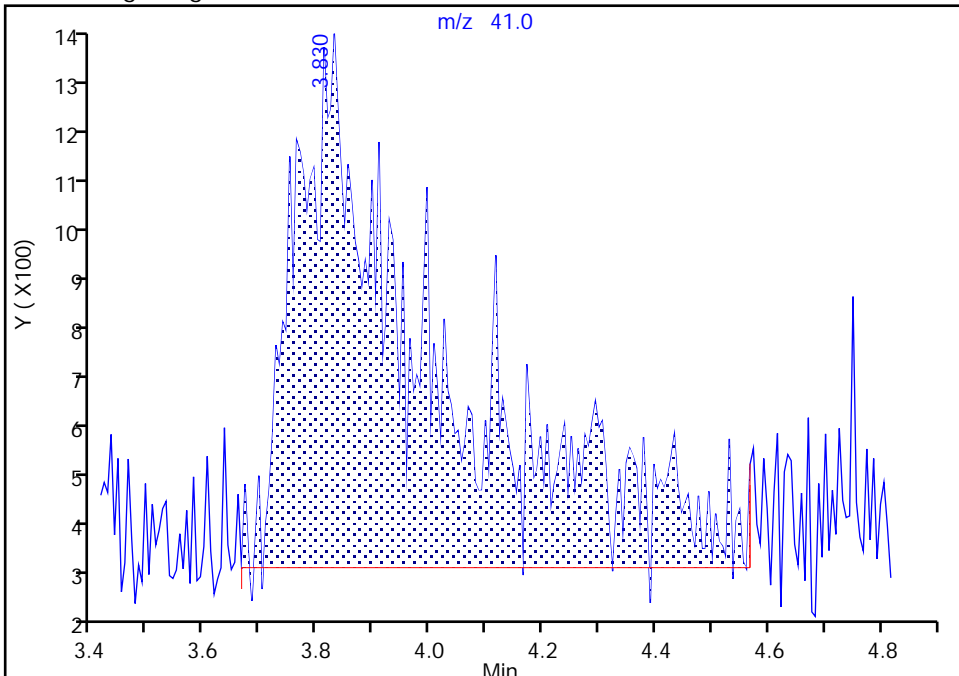
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Injection Date: 19-Jun-2023 15:52:30 Instrument ID: 19930
Lims ID: IC std4
Client ID:
Operator ID: KNK41612 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

21 Acetonitrile, CAS: 75-05-8

Signal: 1

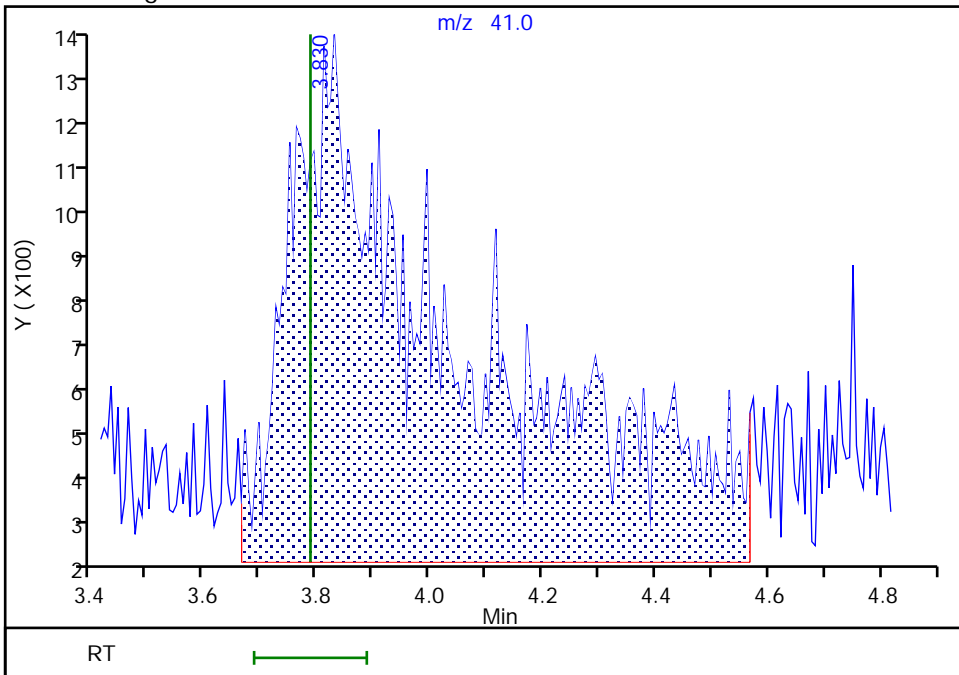
RT: 3.83
Area: 15870
Amount: 3.294878
Amount Units: ug/l

Processing Integration Results



RT: 3.83
Area: 22246
Amount: 10.697663
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 14:55:53 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

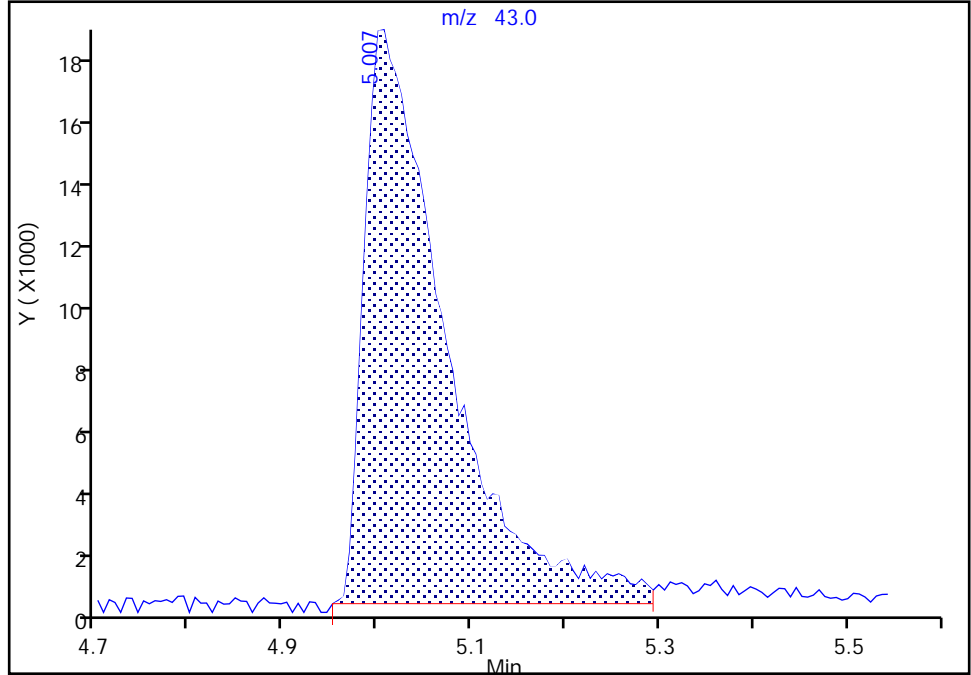
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X05.D
Injection Date: 19-Jun-2023 15:52:30 Instrument ID: 19930
Lims ID: IC std4
Client ID:
Operator ID: KNK41612 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

33 Vinyl acetate, CAS: 108-05-4

Signal: 1

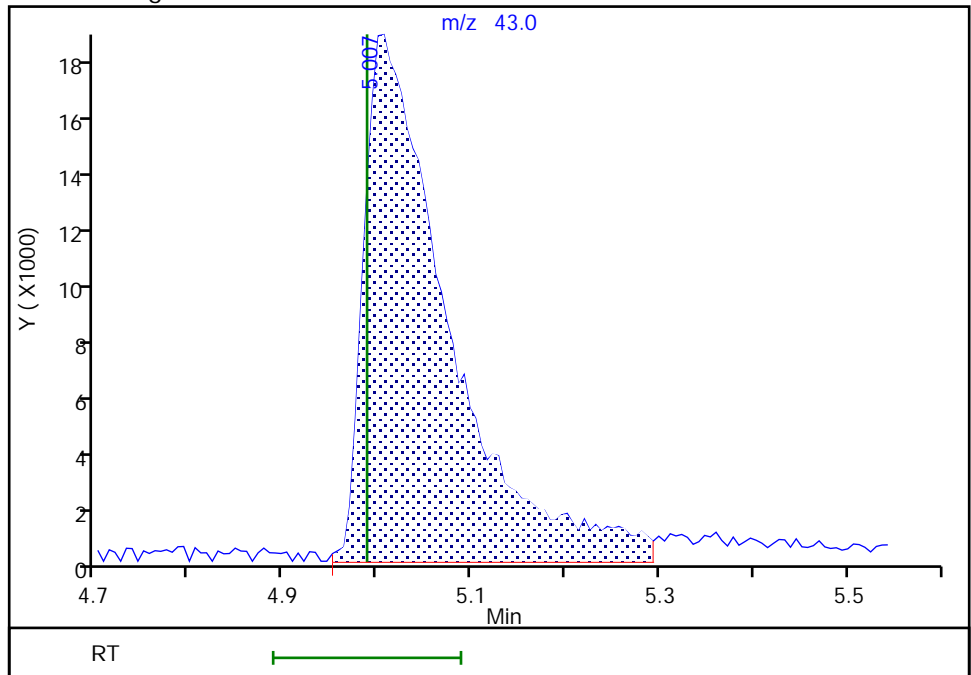
RT: 5.01
Area: 107800
Amount: 1.776767
Amount Units: ug/l

Processing Integration Results



RT: 5.01
Area: 113242
Amount: 1.855750
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:25:28 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

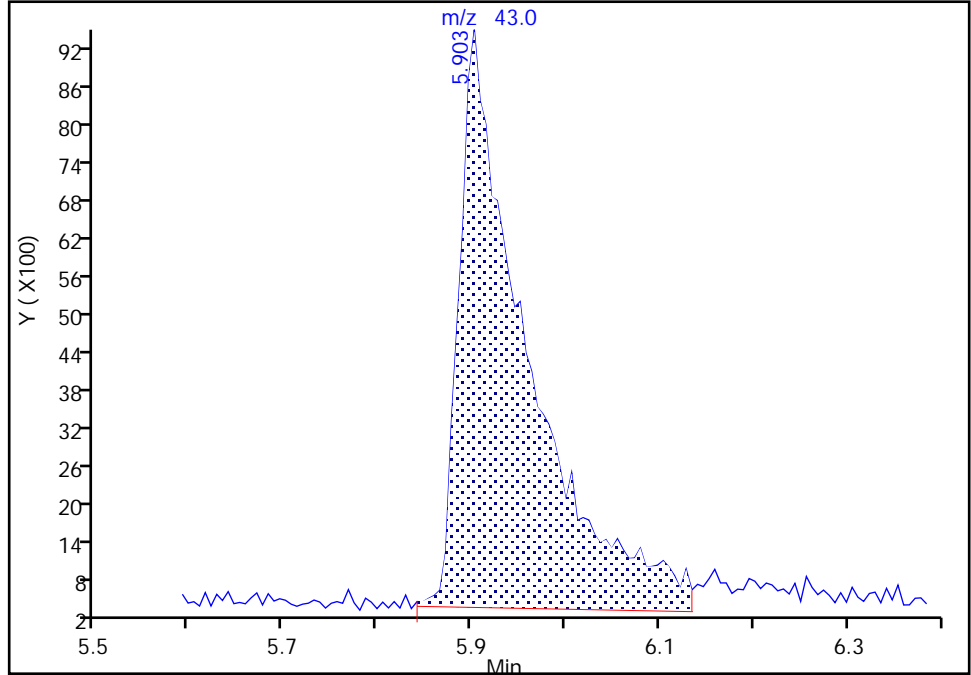
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Injection Date: 19-Jun-2023 15:52:30 Instrument ID: 19930
Lims ID: IC std4
Client ID:
Operator ID: KNK41612 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

42 Ethyl acetate, CAS: 141-78-6

Signal: 1

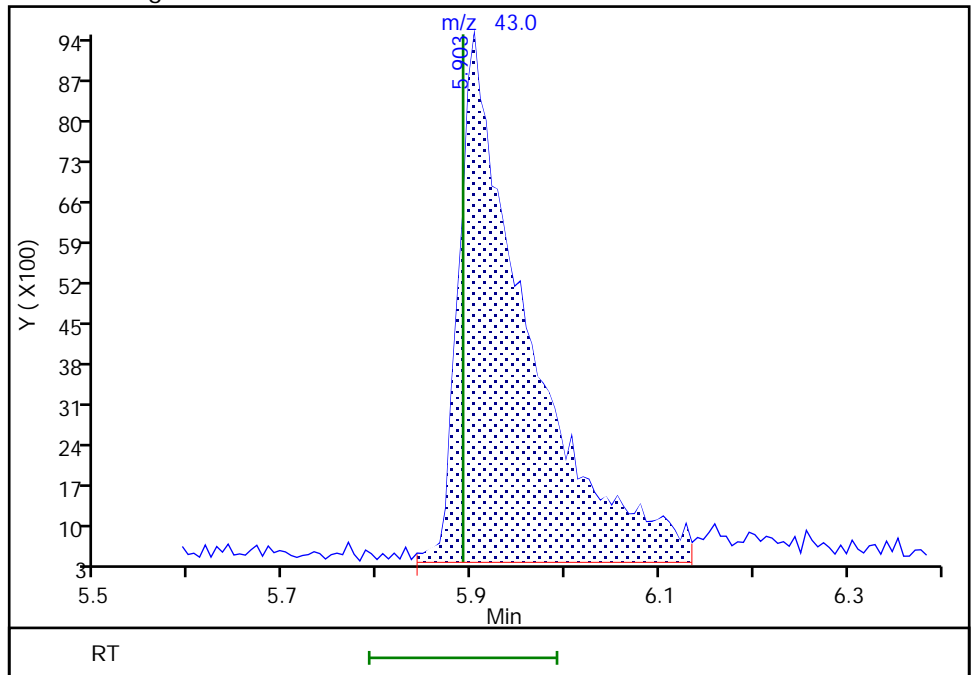
RT: 5.90
Area: 45983
Amount: 1.994748
Amount Units: ug/l

Processing Integration Results



RT: 5.90
Area: 46431
Amount: 2.012427
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:25:36 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

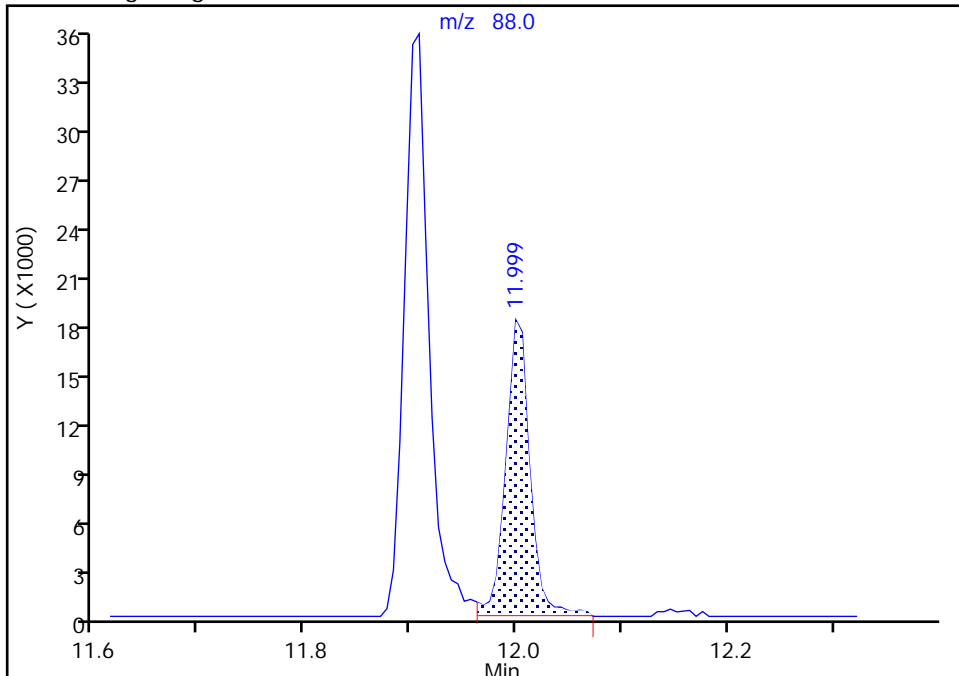
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X05.D
Injection Date: 19-Jun-2023 15:52:30 Instrument ID: 19930
Lims ID: IC std4
Client ID:
Operator ID: KNK41612 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
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

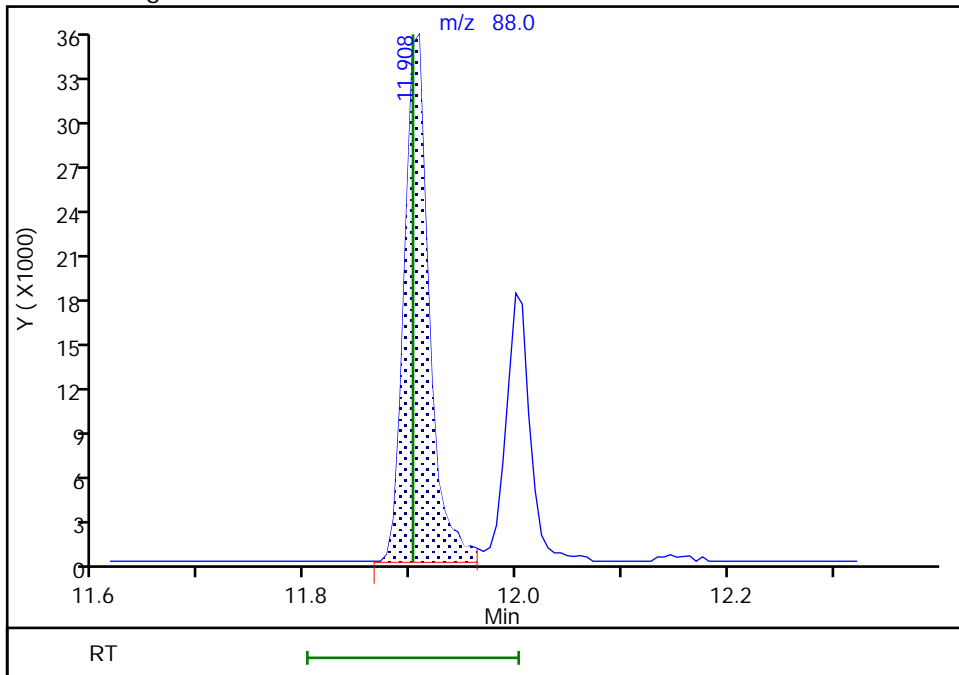
RT: 12.00
Area: 29165
Amount: 1.213614
Amount Units: ug/l

Processing Integration Results



RT: 11.91
Area: 58366
Amount: 4.065560
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:32:36 -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\19930\20230619-86929.b\IU19X06.D
 Lims ID: IC std5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 19-Jun-2023 16:13:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086929-007
 Misc. Info.: SM 5.0
 Operator ID: KNK41612 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub44
 Method: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Jun-2023 12:29:55 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1687

First Level Reviewer: DVW2

Date: 21-Jun-2023 08:26:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorodifluoromethane	51	1.867	1.867	0.000	97	354220	5.00	4.90	
3 Dimethyl ether	45	1.922	1.922	0.000	99	315734	5.00	5.11	
21 Acetonitrile	41	3.812	3.788	0.024	19	46193	25.0	22.0	M
* 26 t-Butyl alcohol-d10 (IS)	65	4.050	3.977	0.073	27	89518	50.0	50.0	M
33 Vinyl acetate	43	5.001	4.989	0.012	97	302053	5.00	4.91	
42 Ethyl acetate	43	5.897	5.891	0.006	99	129747	5.00	5.57	
59 Isopropyl acetate	43	7.128	7.128	0.000	98	295497	5.00	4.68	
* 61 Fluorobenzene (IS)	96	7.445	7.452	-0.007	99	1828854	10.0	10.0	
70 n-Propyl acetate	43	8.445	8.445	0.000	98	216058	5.00	5.35	
73 2-Chloroethyl vinyl ether	63	9.012	9.006	0.006	1	895	5.00	3.32	
104 n-Butyl acetate	43	10.408	10.408	0.000	98	258101	5.00	5.09	
* 107 Chlorobenzene-d5 (IS)	117	10.987	10.988	-0.001	84	1444071	10.0	10.0	
118 cis-1,4-Dichloro-2-butene	88	11.902	11.902	0.000	29	160237	10.0	11.1	
119 Cyclohexanone	55	11.938	11.938	0.000	90	217173	250.0	250.2	
* 135 1,4-Dichlorobenzene-d4	152	12.883	12.884	-0.001	93	887604	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_00025	Amount Added: 1.00	Units: uL
MSV_DME_00046	Amount Added: 1.00	Units: uL
MSV_CCV_CYC_00005	Amount Added: 8.00	Units: uL
MSV_LLcentISO_00006	Amount Added: 5.00	Units: uL
MSV_V_SMRV4_00059	Amount Added: 5.00	Units: uL

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X06.D

Injection Date: 19-Jun-2023 16:13:30

Instrument ID: 19930

Operator ID: KNK41612

Lims ID: IC std5

Worklist Smp#: 7

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

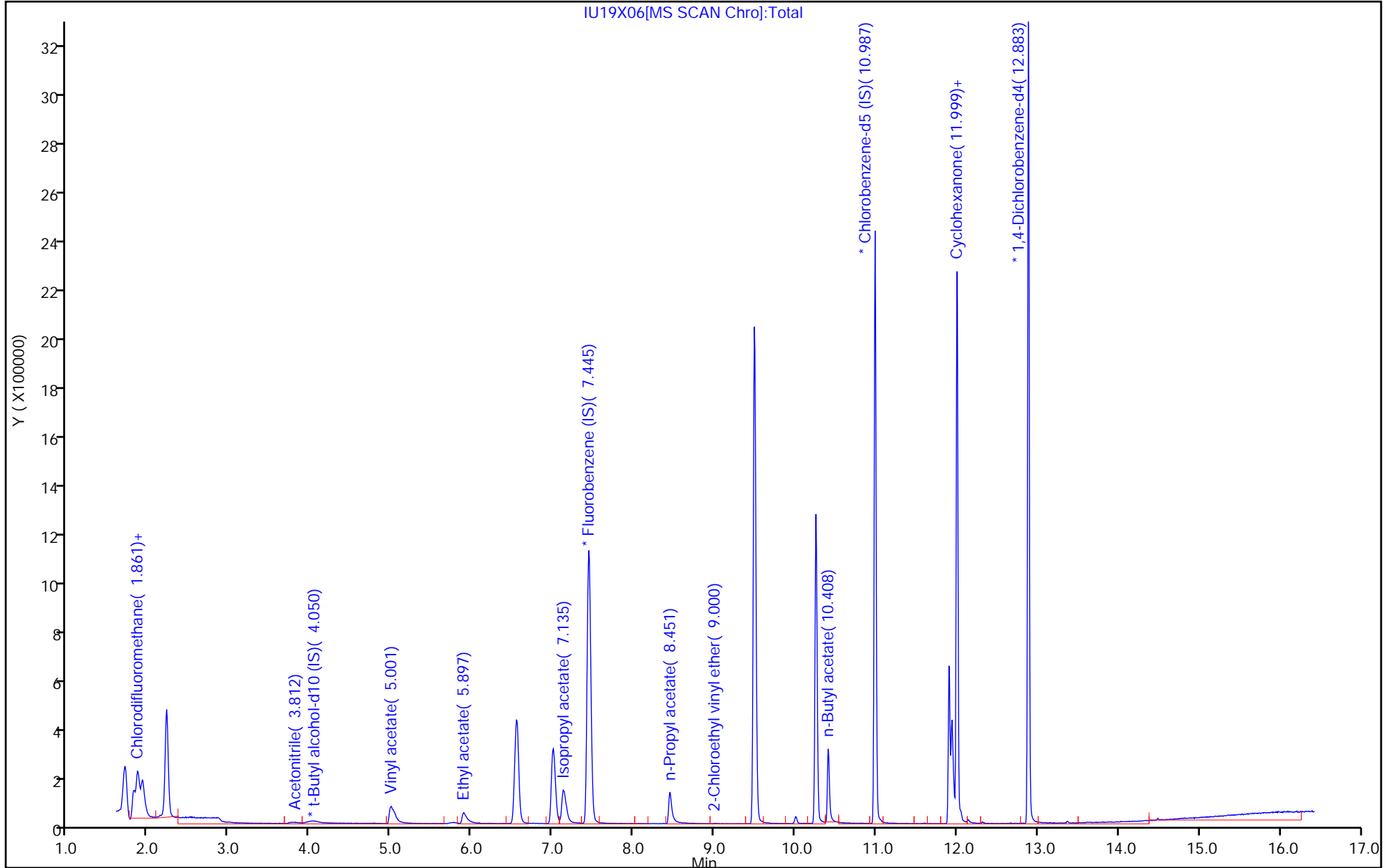
ALS Bottle#: 6

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



Euofins Lancaster Laboratories Environment Testing, LLC

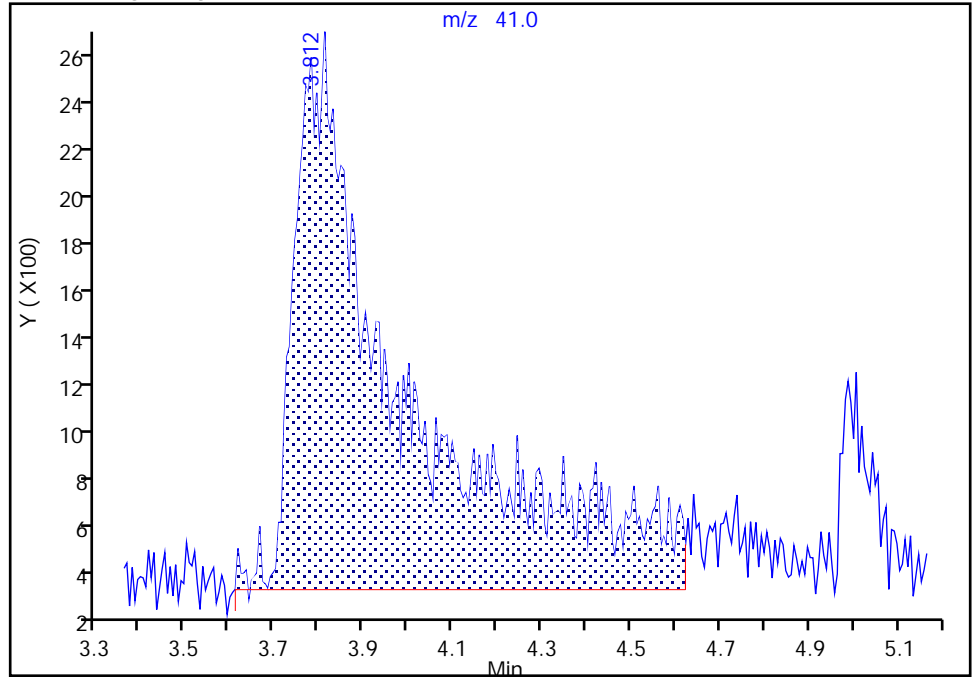
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X06.D
Injection Date: 19-Jun-2023 16:13:30 Instrument ID: 19930
Lims ID: IC std5
Client ID:
Operator ID: KNK41612 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

21 Acetonitrile, CAS: 75-05-8

Signal: 1

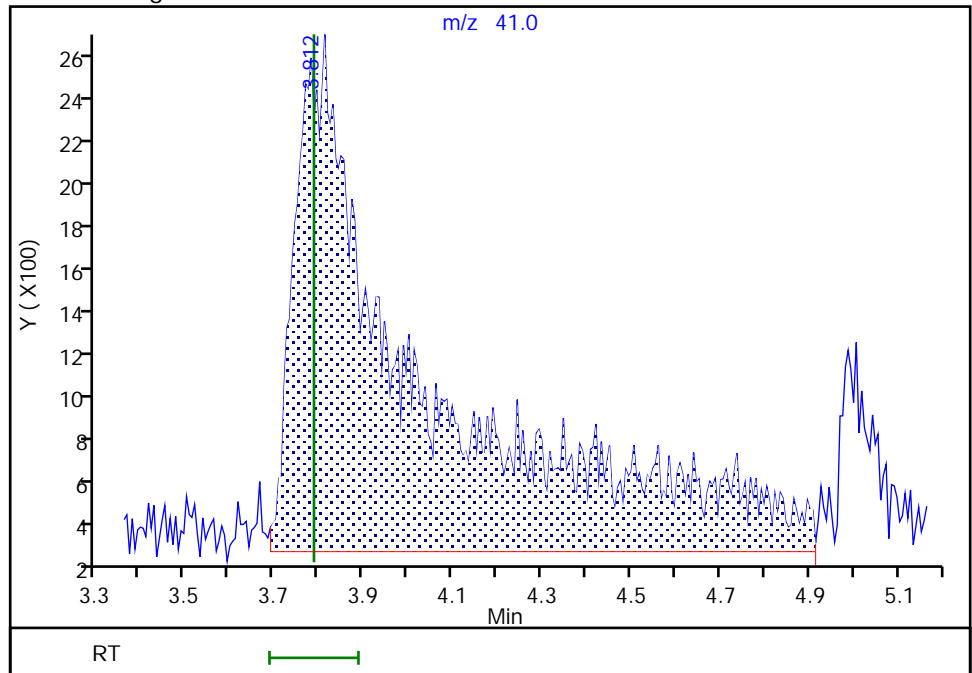
RT: 3.81
Area: 38597
Amount: 7.501240
Amount Units: ug/l

Processing Integration Results



RT: 3.81
Area: 46193
Amount: 22.020485
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 14:55:37 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

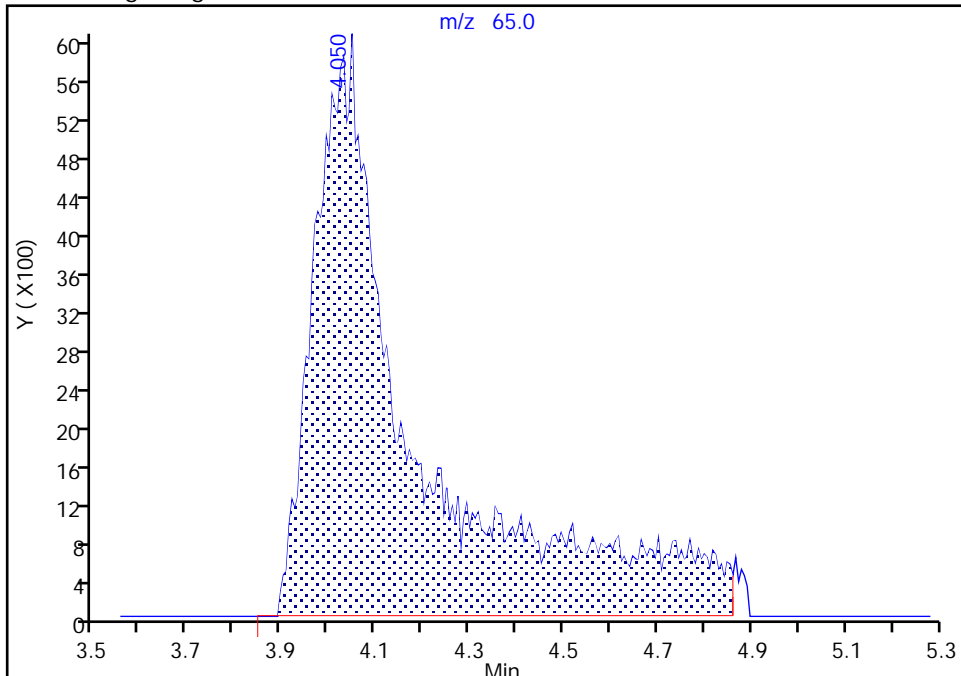
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X06.D
Injection Date: 19-Jun-2023 16:13:30 Instrument ID: 19930
Lims ID: IC std5
Client ID:
Operator ID: KNK41612 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

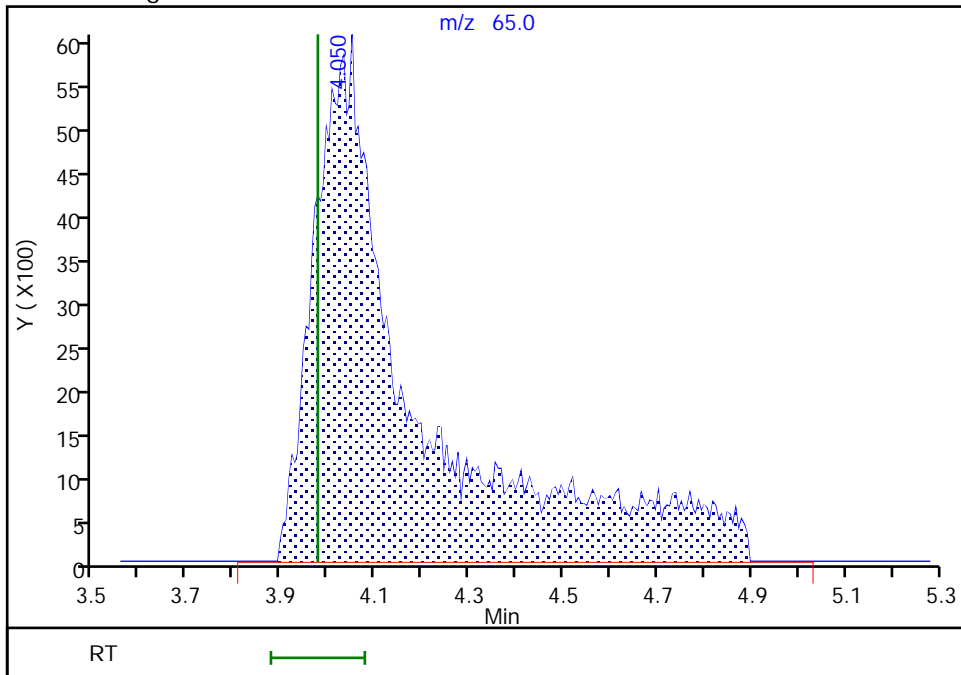
RT: 4.05
Area: 88718
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 4.05
Area: 89518
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:26:39 -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\19930\20230619-86929.b\IU19X07.D
 Lims ID: IC std6 SM
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 19-Jun-2023 16:34:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086929-008
 Misc. Info.: SM 10.0
 Operator ID: KNK41612 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub44
 Method: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Jun-2023 12:29:57 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1687

First Level Reviewer: DVW2

Date: 20-Jun-2023 15:14:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorodifluoromethane	51	1.867	1.867	0.000	97	702885	10.0	9.86	
3 Dimethyl ether	45	1.922	1.922	0.000	99	597989	10.0	9.81	
21 Acetonitrile	41	3.788	3.788	0.000	25	84890	50.0	41.0	M
* 26 t-Butyl alcohol-d10 (IS)	65	4.025	4.025	0.000	22	83666	50.0	50.0	M
33 Vinyl acetate	43	4.989	4.989	0.000	97	596485	10.0	9.82	
42 Ethyl acetate	43	5.891	5.891	0.000	99	266923	10.0	11.6	
59 Isopropyl acetate	43	7.128	7.128	0.000	98	610049	10.0	9.79	
* 61 Fluorobenzene (IS)	96	7.445	7.445	0.000	99	1804558	10.0	10.0	
70 n-Propyl acetate	43	8.445	8.445	0.000	98	440656	10.0	11.1	
73 2-Chloroethyl vinyl ether	63	9.006	9.006	0.000	89	3197	10.0	12.0	
104 n-Butyl acetate	43	10.408	10.408	0.000	98	543448	10.0	10.8	
* 107 Chlorobenzene-d5 (IS)	117	10.987	10.987	0.000	84	1437525	10.0	10.0	
118 cis-1,4-Dichloro-2-butene	88	11.902	11.902	0.000	30	329445	20.0	22.9	
119 Cyclohexanone	55	11.938	11.938	0.000	91	441030	500.0	543.6	
* 135 1,4-Dichlorobenzene-d4	152	12.883	12.883	0.000	93	872295	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_00025	Amount Added: 1.00	Units: uL
MSV_DME_00046	Amount Added: 1.00	Units: uL
MSV_CCV_CYC_00005	Amount Added: 8.00	Units: uL
MSV_LLcentISO_00006	Amount Added: 5.00	Units: uL
MSV_V_SMRV4_00059	Amount Added: 5.00	Units: uL

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X07.D

Injection Date: 19-Jun-2023 16:34:30

Instrument ID: 19930

Operator ID: KNK41612

Lims ID: IC std6 SM

Worklist Smp#: 8

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

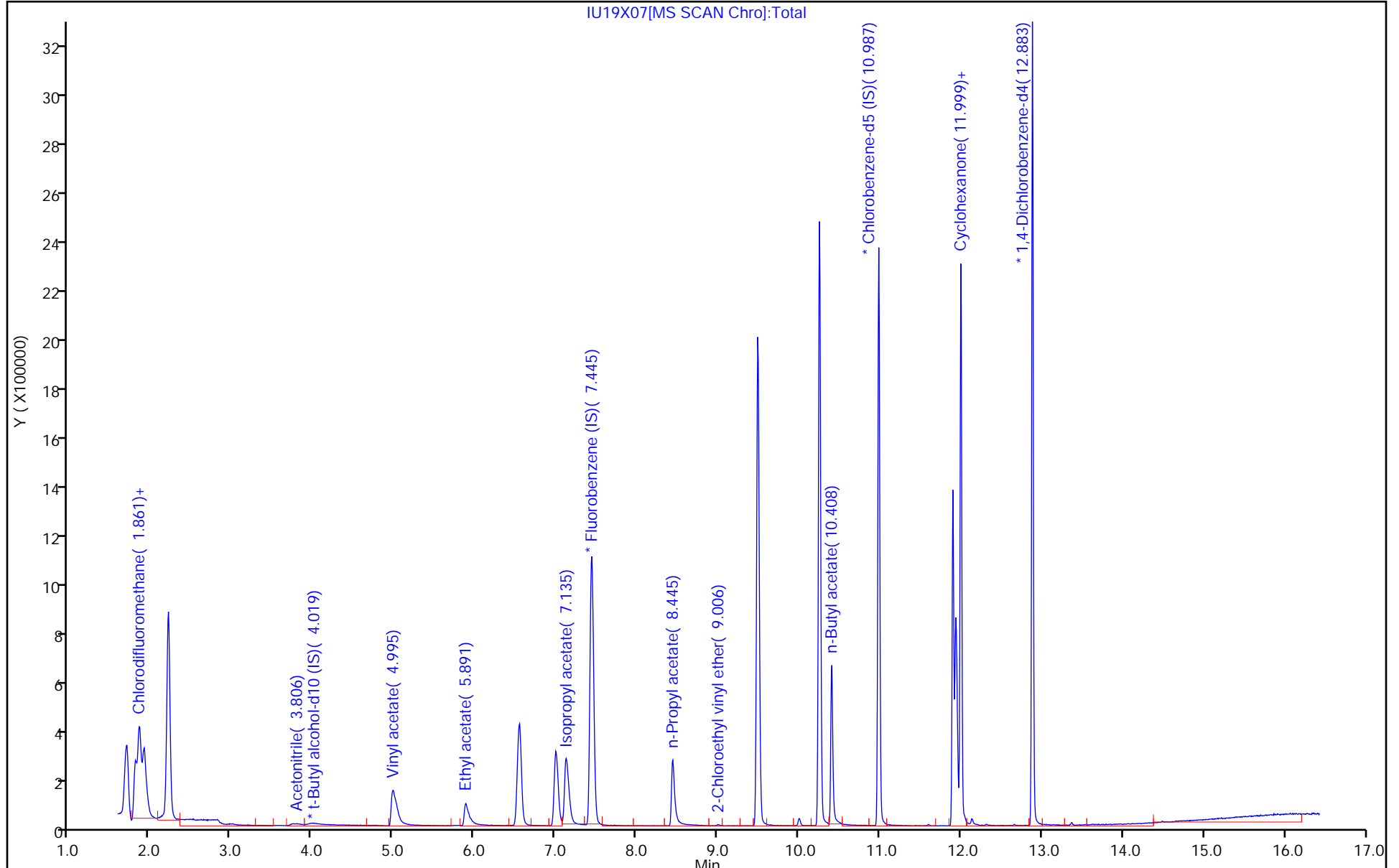
ALS Bottle#: 7

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

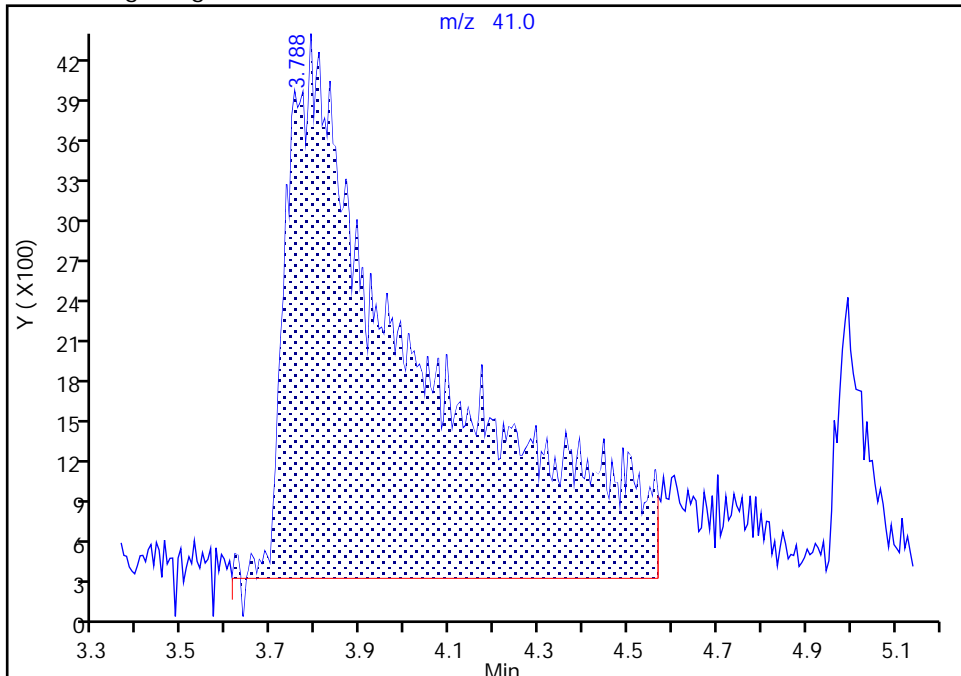
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Injection Date: 19-Jun-2023 16:34:30 Instrument ID: 19930
Lims ID: IC std6 SM
Client ID:
Operator ID: KNK41612 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

21 Acetonitrile, CAS: 75-05-8

Signal: 1

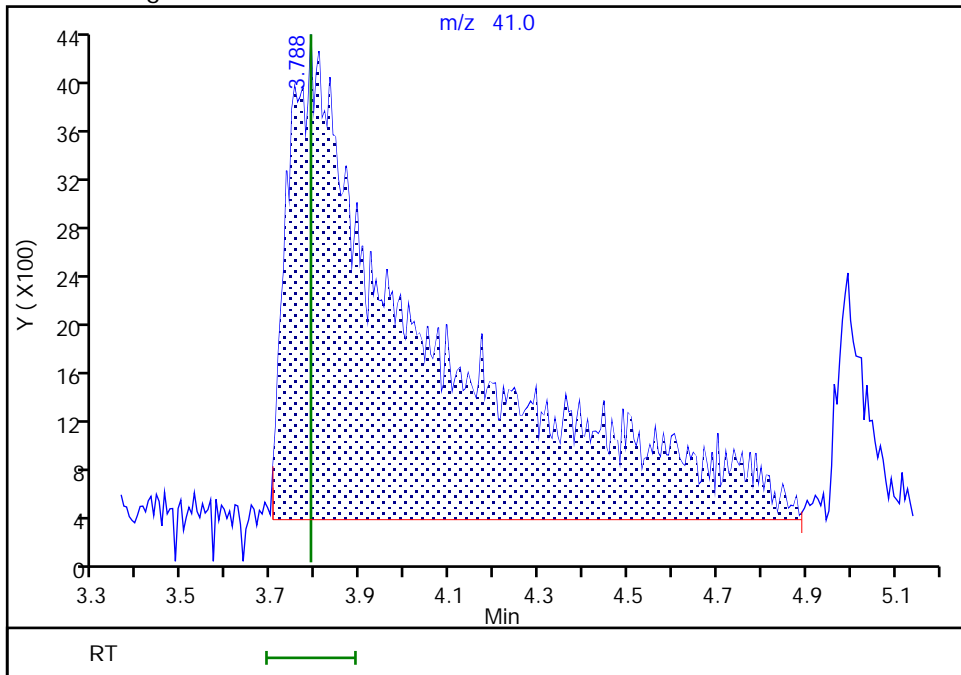
RT: 3.79
Area: 81014
Amount: 6.118113
Amount Units: ug/l

Processing Integration Results



RT: 3.79
Area: 84890
Amount: 41.012423
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 14:54:49 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

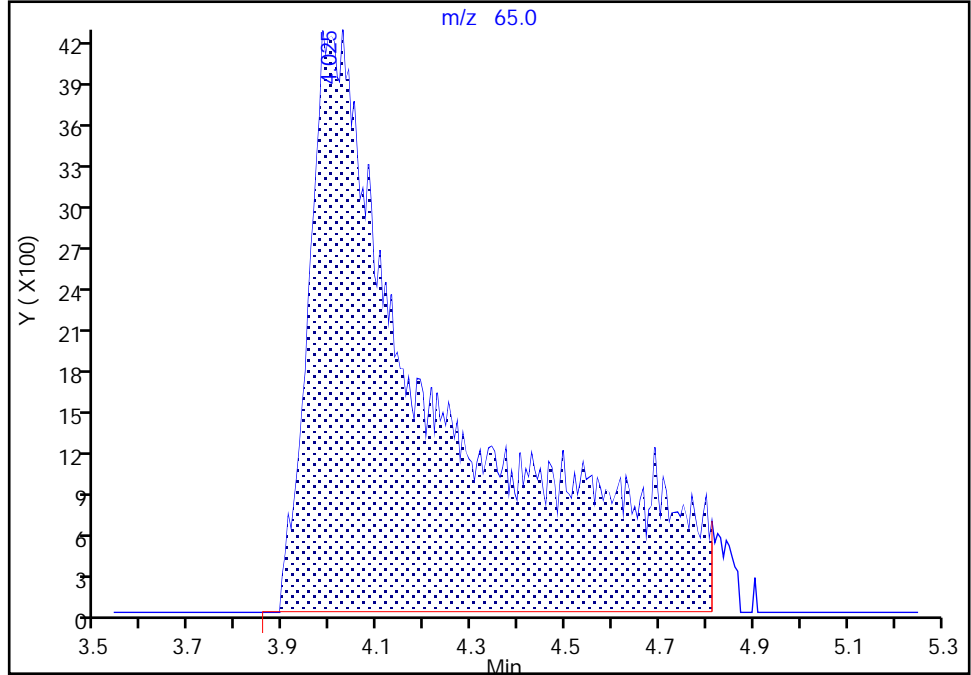
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X07.D
Injection Date: 19-Jun-2023 16:34:30 Instrument ID: 19930
Lims ID: IC std6 SM
Client ID:
Operator ID: KNK41612 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

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2
Signal: 1

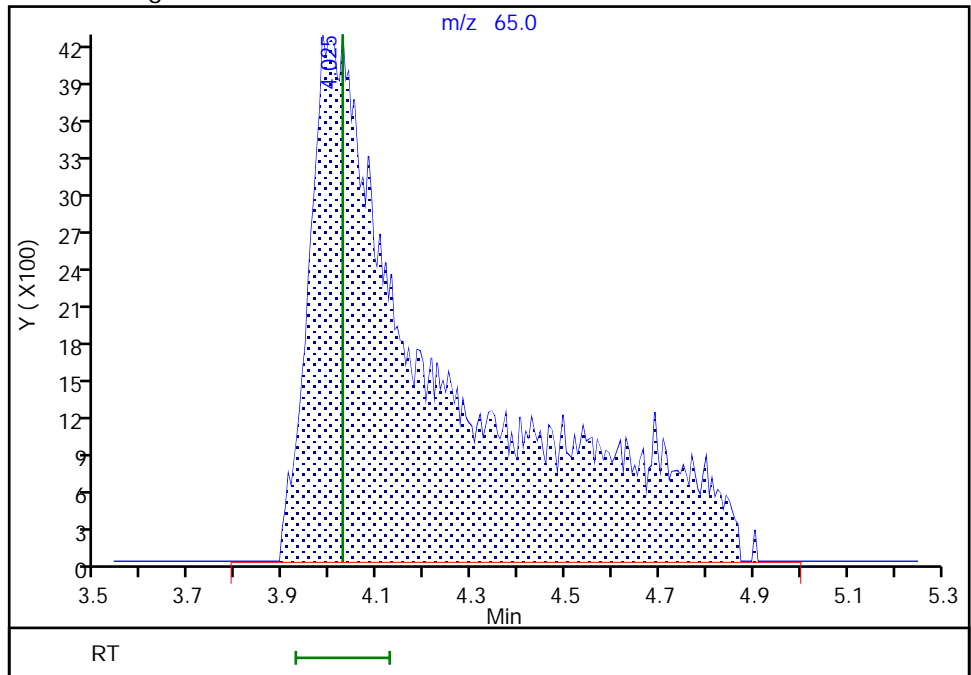
RT: 4.03
Area: 82063
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 4.03
Area: 83666
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:14:41 -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\19930\20230619-86929.b\IU19X08.D
 Lims ID: IC std7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 19-Jun-2023 16:55:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086929-009
 Misc. Info.: SM 25.0
 Operator ID: KNK41612 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub44
 Method: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Jun-2023 12:29:59 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1687

First Level Reviewer: DVW2

Date: 21-Jun-2023 08:27:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorodifluoromethane	51	1.873	1.867	0.006	97	1791816	25.0	25.0	
3 Dimethyl ether	45	1.928	1.922	0.006	99	1588476	25.0	25.9	
21 Acetonitrile	41	3.751	3.788	-0.037	99	276683	125.0	133.0	M
* 26 t-Butyl alcohol-d10 (IS)	65	3.995	4.025	-0.030	30	107302	50.0	50.0	M
33 Vinyl acetate	43	4.989	4.989	0.000	97	1543134	25.0	25.3	
42 Ethyl acetate	43	5.885	5.891	-0.006	99	690605	25.0	29.9	
59 Isopropyl acetate	43	7.135	7.128	0.006	98	1527407	25.0	24.4	
* 61 Fluorobenzene (IS)	96	7.445	7.445	0.000	99	1813707	10.0	10.0	
70 n-Propyl acetate	43	8.445	8.445	0.000	98	1122558	25.0	28.0	
73 2-Chloroethyl vinyl ether	63	9.006	9.006	0.000	93	7591	25.0	28.4	
104 n-Butyl acetate	43	10.402	10.408	-0.006	98	1325744	25.0	26.2	
* 107 Chlorobenzene-d5 (IS)	117	10.987	10.987	0.000	84	1443609	10.0	10.0	
118 cis-1,4-Dichloro-2-butene	88	11.902	11.902	0.000	29	865958	50.0	59.8	a
119 Cyclohexanone	55	11.938	11.938	0.000	91	1415471	1250.0	1360.4	
* 135 1,4-Dichlorobenzene-d4	152	12.883	12.883	0.000	93	874610	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_00025	Amount Added: 2.50	Units: uL
MSV_DME_00046	Amount Added: 2.50	Units: uL
MSV_CCV_CYC_00005	Amount Added: 20.00	Units: uL
MSV_LLcentISO_00006	Amount Added: 5.00	Units: uL
MSV_V_SMRV4_00059	Amount Added: 12.50	Units: uL

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X08.D

Injection Date: 19-Jun-2023 16:55:30

Instrument ID: 19930

Operator ID: KNK41612

Lims ID: IC std7

Worklist Smp#: 9

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

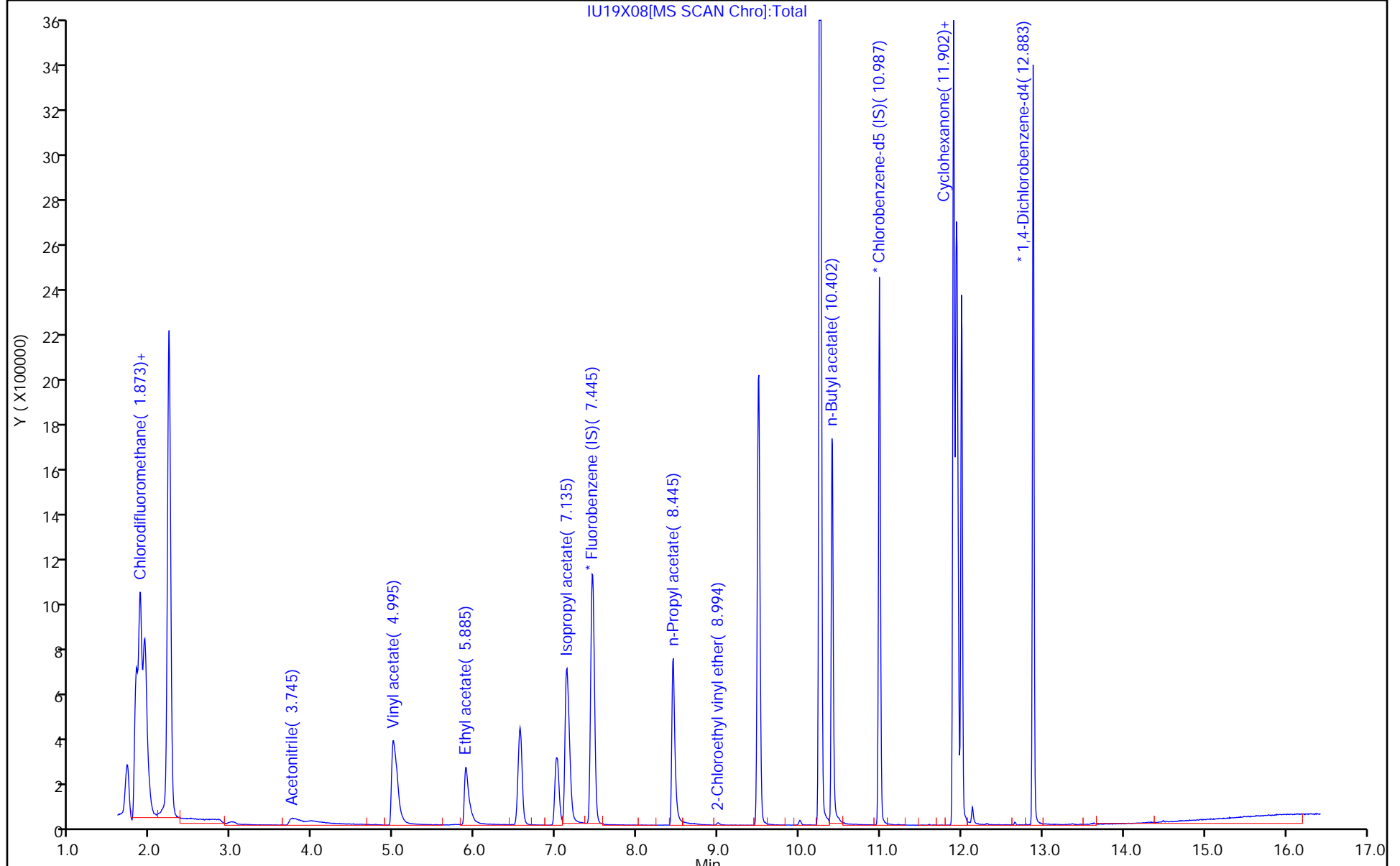
ALS Bottle#: 8

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

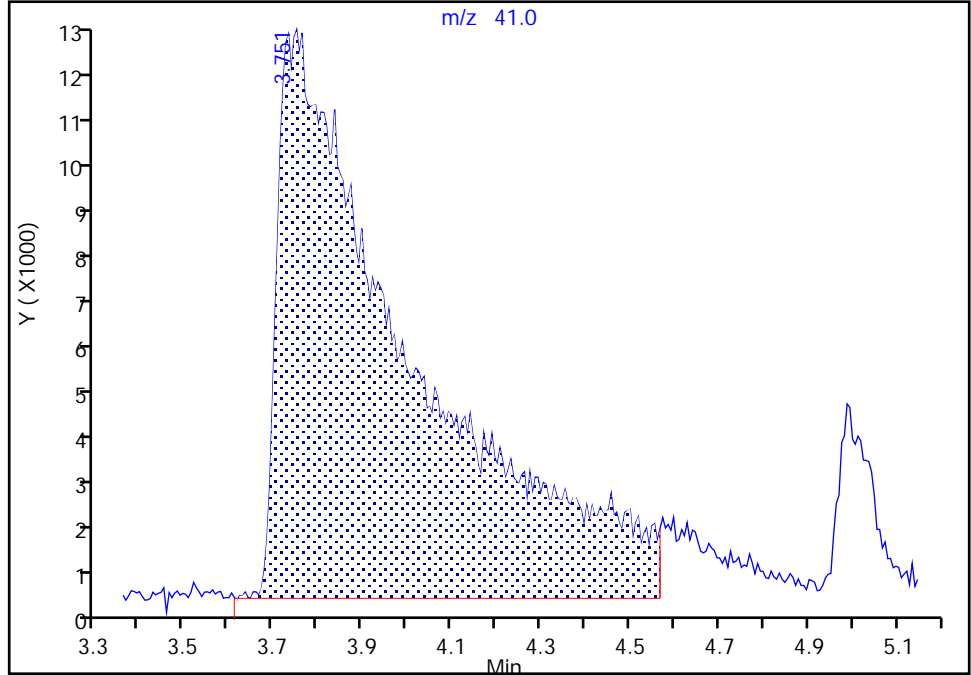
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Injection Date: 19-Jun-2023 16:55:30 Instrument ID: 19930
Lims ID: IC std7
Client ID:
Operator ID: KNK41612 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

21 Acetonitrile, CAS: 75-05-8

Signal: 1

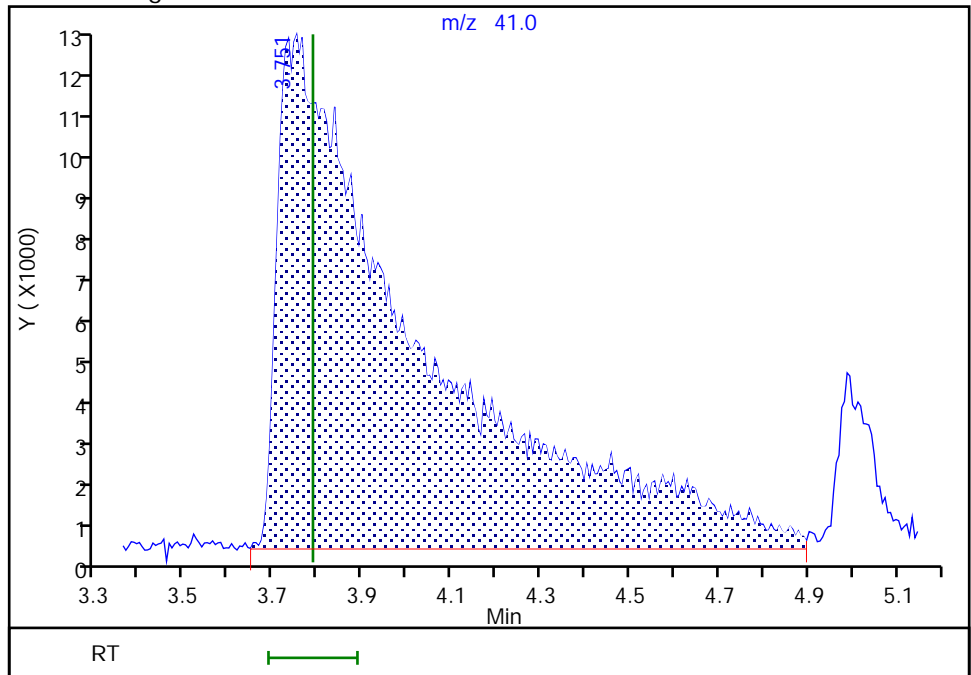
RT: 3.75
Area: 256812
Amount: 49.978431
Amount Units: ug/l

Processing Integration Results



RT: 3.75
Area: 276683
Amount: 132.9980
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 14:54:24 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

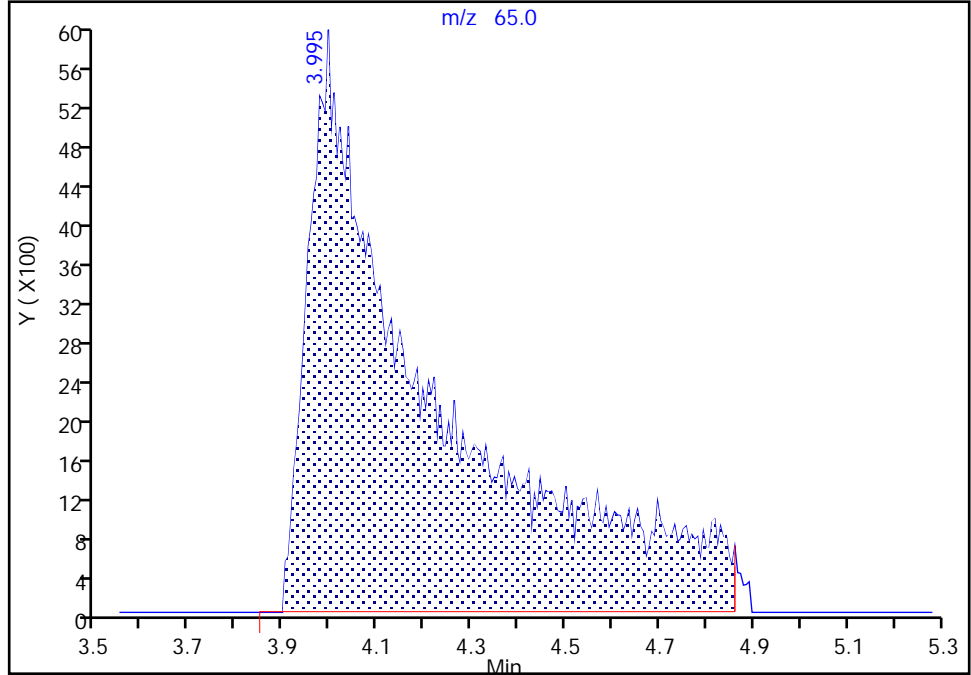
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X08.D
Injection Date: 19-Jun-2023 16:55:30 Instrument ID: 19930
Lims ID: IC std7
Client ID:
Operator ID: KNK41612 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

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2
Signal: 1

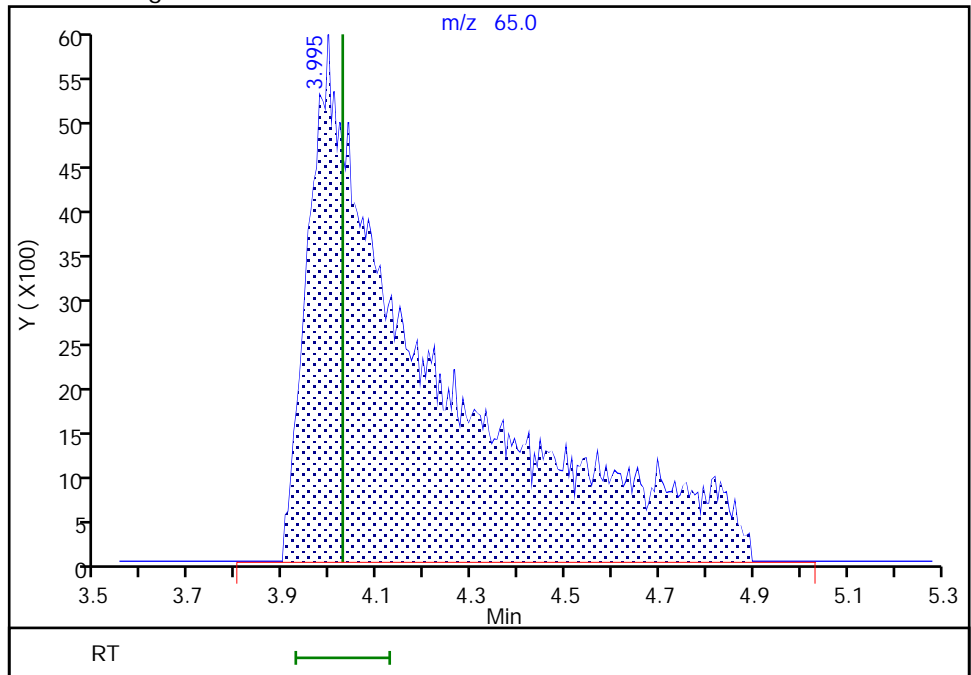
RT: 3.99
Area: 106683
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 3.99
Area: 107302
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:27:13 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

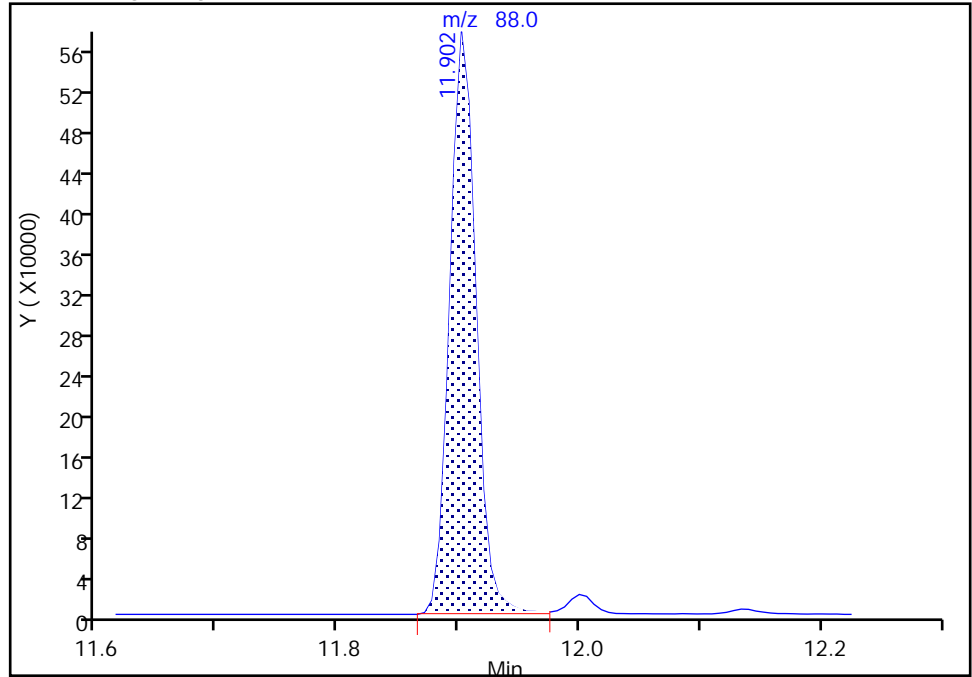
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Injection Date: 19-Jun-2023 16:55:30 Instrument ID: 19930
Lims ID: IC std7
Client ID:
Operator ID: KNK41612 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

118 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

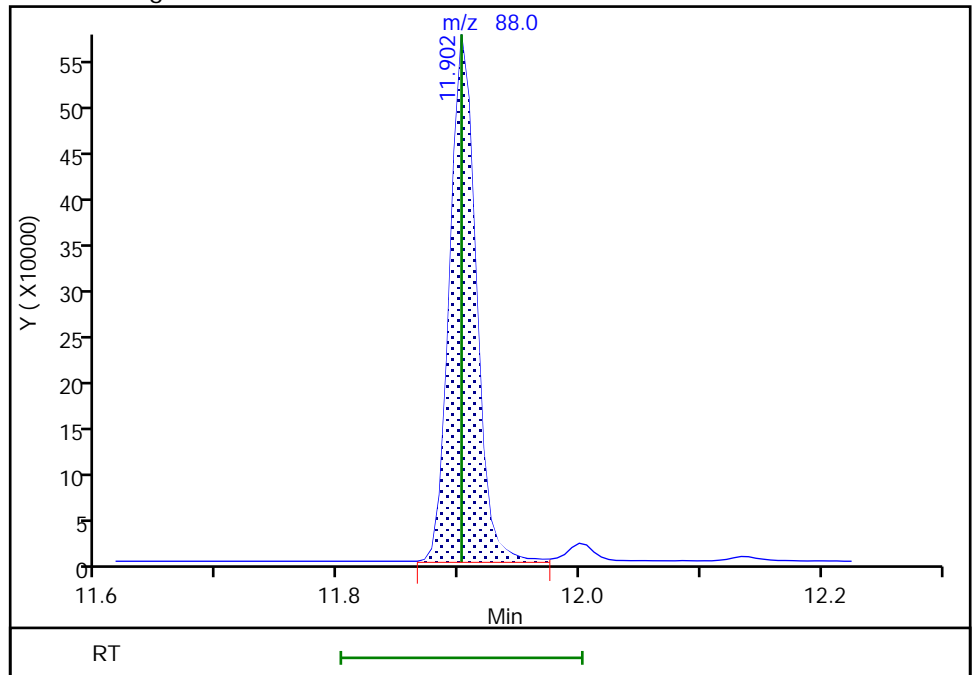
RT: 11.90
Area: 865958
Amount: 35.750244
Amount Units: ug/l

Processing Integration Results



RT: 11.90
Area: 865958
Amount: 59.844022
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:32:50 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Calibration

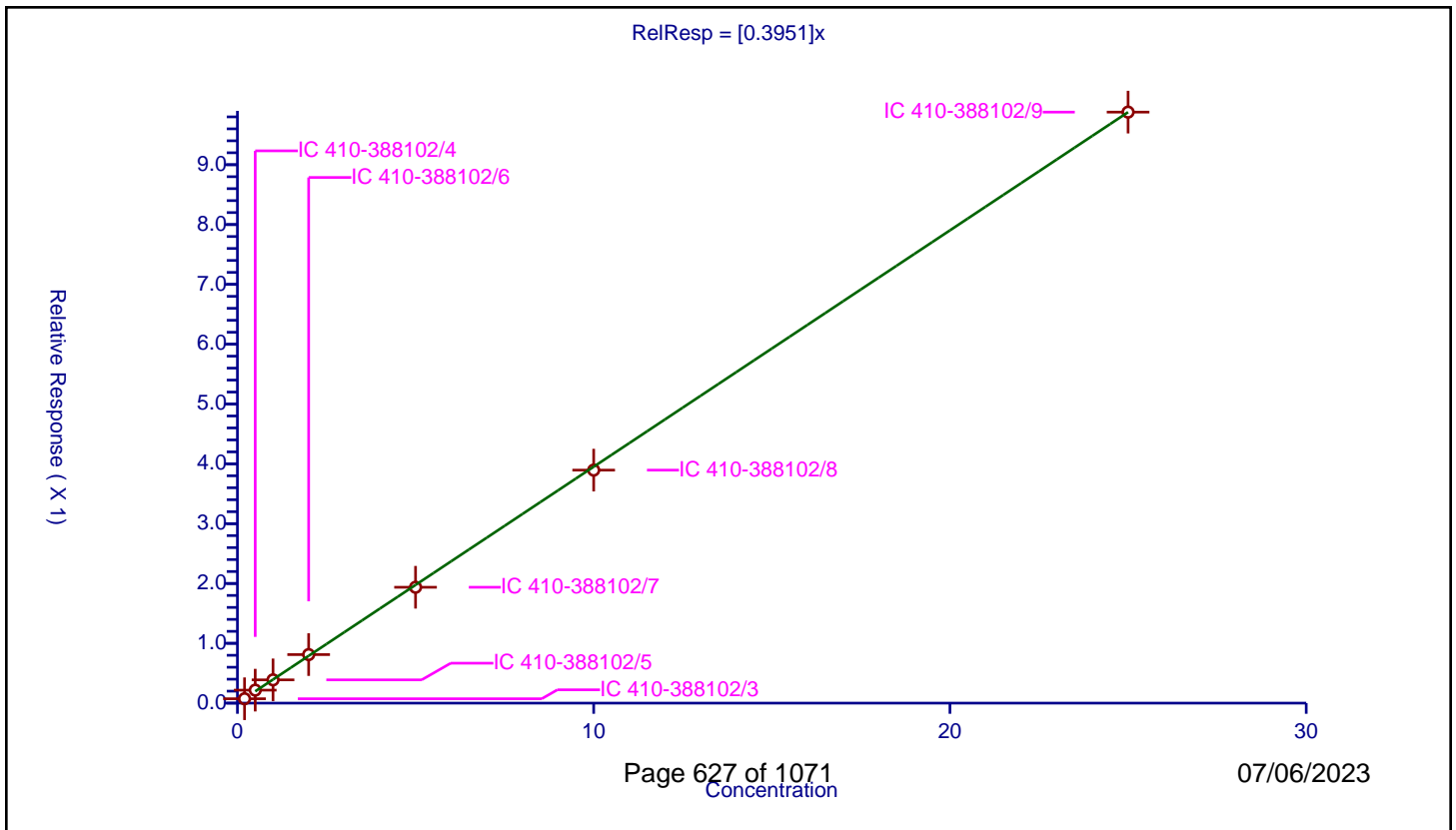
/ Chlorodifluoromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3951

Error Coefficients	
Standard Error:	802000
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 410-388102/3	0.2	0.073075	10.0	1898742.0	0.365373	Y
2	IC 410-388102/4	0.5	0.216974	10.0	1973742.0	0.433947	Y
3	IC 410-388102/5	1.0	0.389067	10.0	1800694.0	0.389067	Y
4	IC 410-388102/6	2.0	0.811195	10.0	1812979.0	0.405598	Y
5	IC 410-388102/7	5.0	1.936841	10.0	1828854.0	0.387368	Y
6	IC 410-388102/8	10.0	3.895054	10.0	1804558.0	0.389505	Y
7	IC 410-388102/9	25.0	9.879302	10.0	1813707.0	0.395172	Y



Calibration

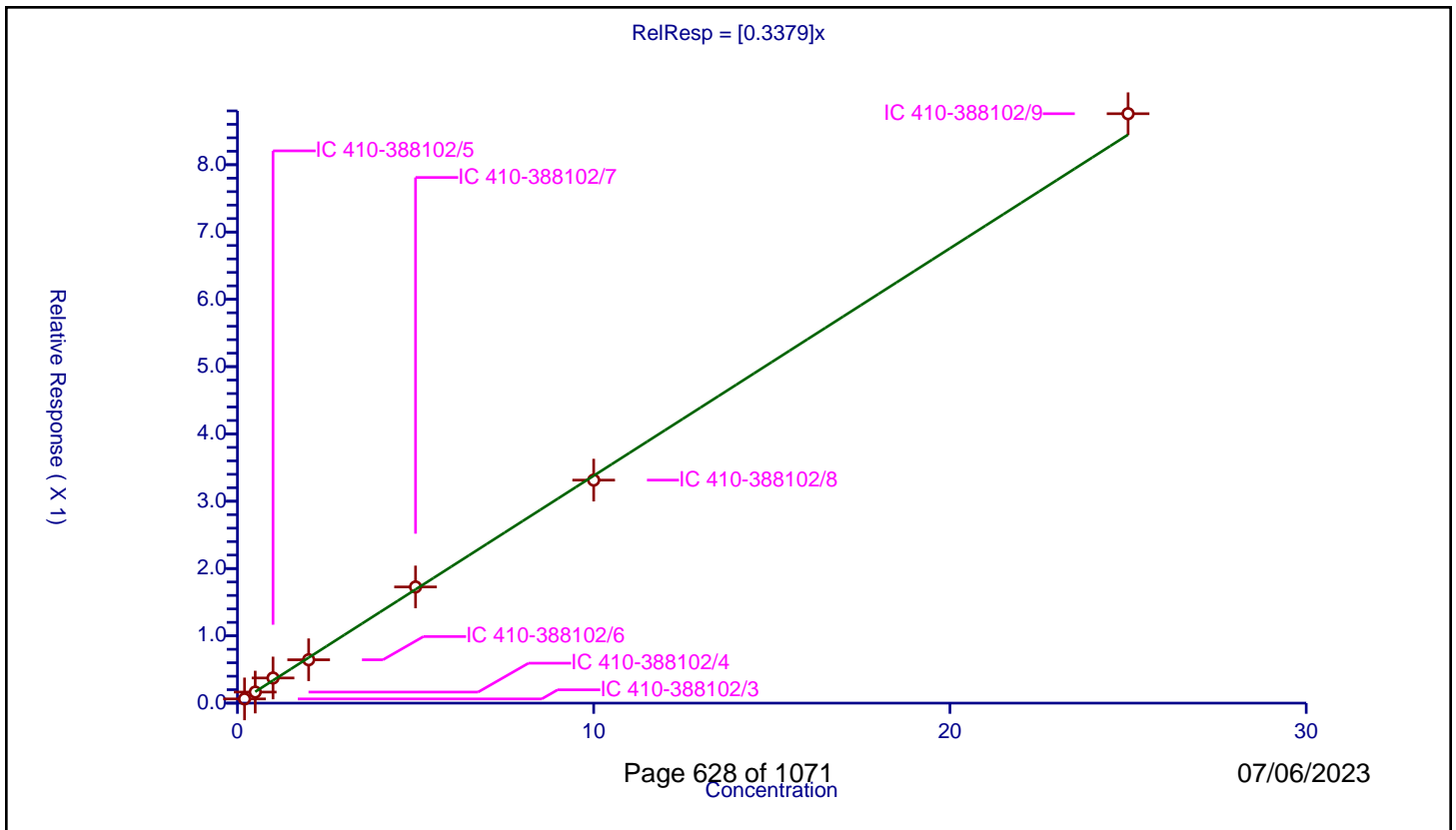
/ Dimethyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.3379

Error Coefficients	
Standard Error:	707000
Relative Standard Error:	6.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/3	0.2	0.062599	10.0	1898742.0	0.312997	Y
2	IC 410-388102/4	0.5	0.164616	10.0	1973742.0	0.329232	Y
3	IC 410-388102/5	1.0	0.373612	10.0	1800694.0	0.373612	Y
4	IC 410-388102/6	2.0	0.644536	10.0	1812979.0	0.322268	Y
5	IC 410-388102/7	5.0	1.726404	10.0	1828854.0	0.345281	Y
6	IC 410-388102/8	10.0	3.31377	10.0	1804558.0	0.331377	Y
7	IC 410-388102/9	25.0	8.758173	10.0	1813707.0	0.350327	Y



Calibration

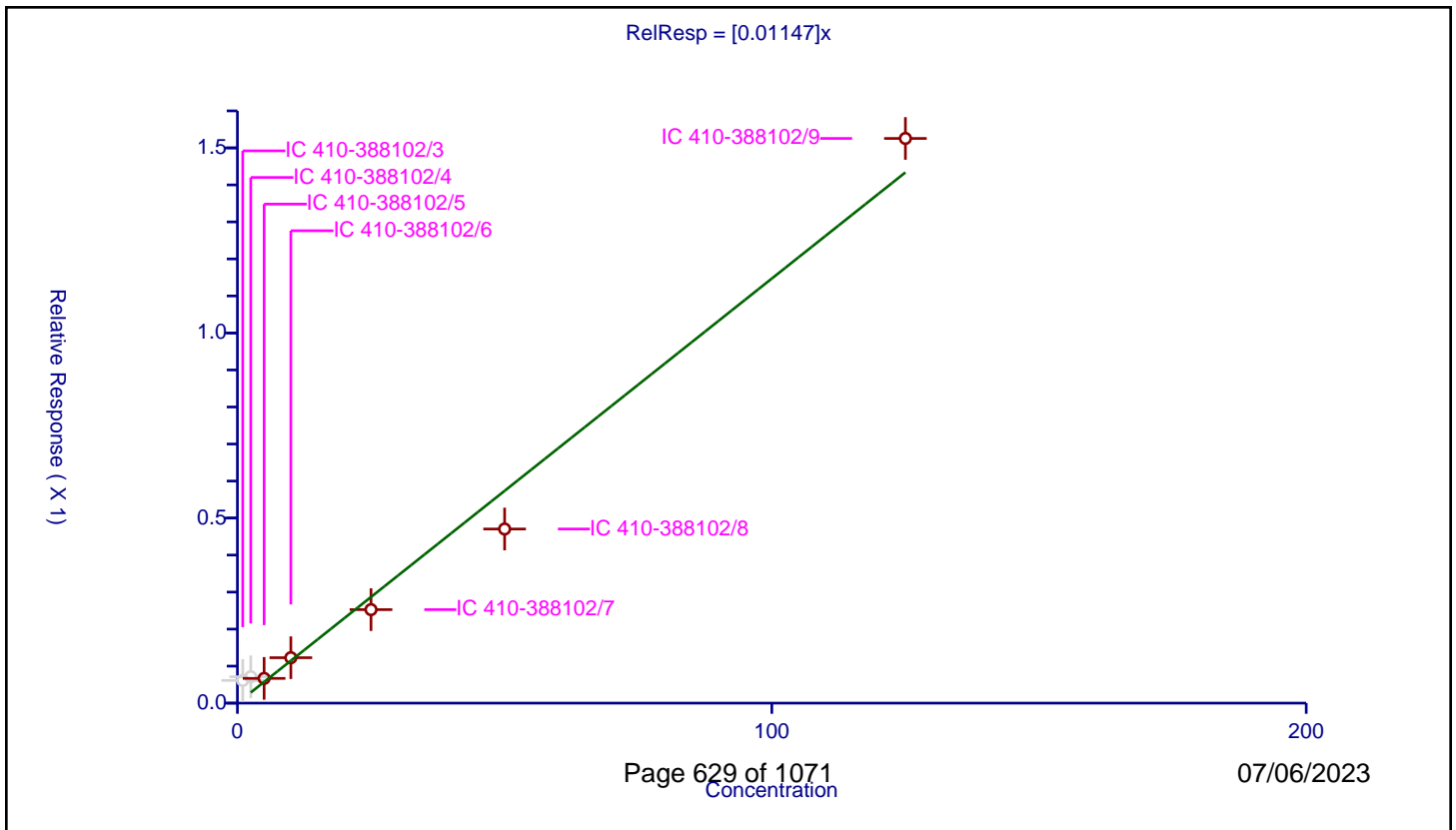
/ Acetonitrile

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

Curve Coefficients	
Intercept:	0
Slope:	0.01147

Error Coefficients	
Standard Error:	147000
Relative Standard Error:	14.4
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.959

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/3	1.0	0.061341	10.0	1898742.0	0.061341	N
2	IC 410-388102/4	2.5	0.07123	10.0	1973742.0	0.028492	N
3	IC 410-388102/5	5.0	0.066824	10.0	1800694.0	0.013365	Y
4	IC 410-388102/6	10.0	0.122704	10.0	1812979.0	0.01227	Y
5	IC 410-388102/7	25.0	0.252579	10.0	1828854.0	0.010103	Y
6	IC 410-388102/8	50.0	0.47042	10.0	1804558.0	0.009408	Y
7	IC 410-388102/9	125.0	1.525511	10.0	1813707.0	0.012204	Y



Calibration

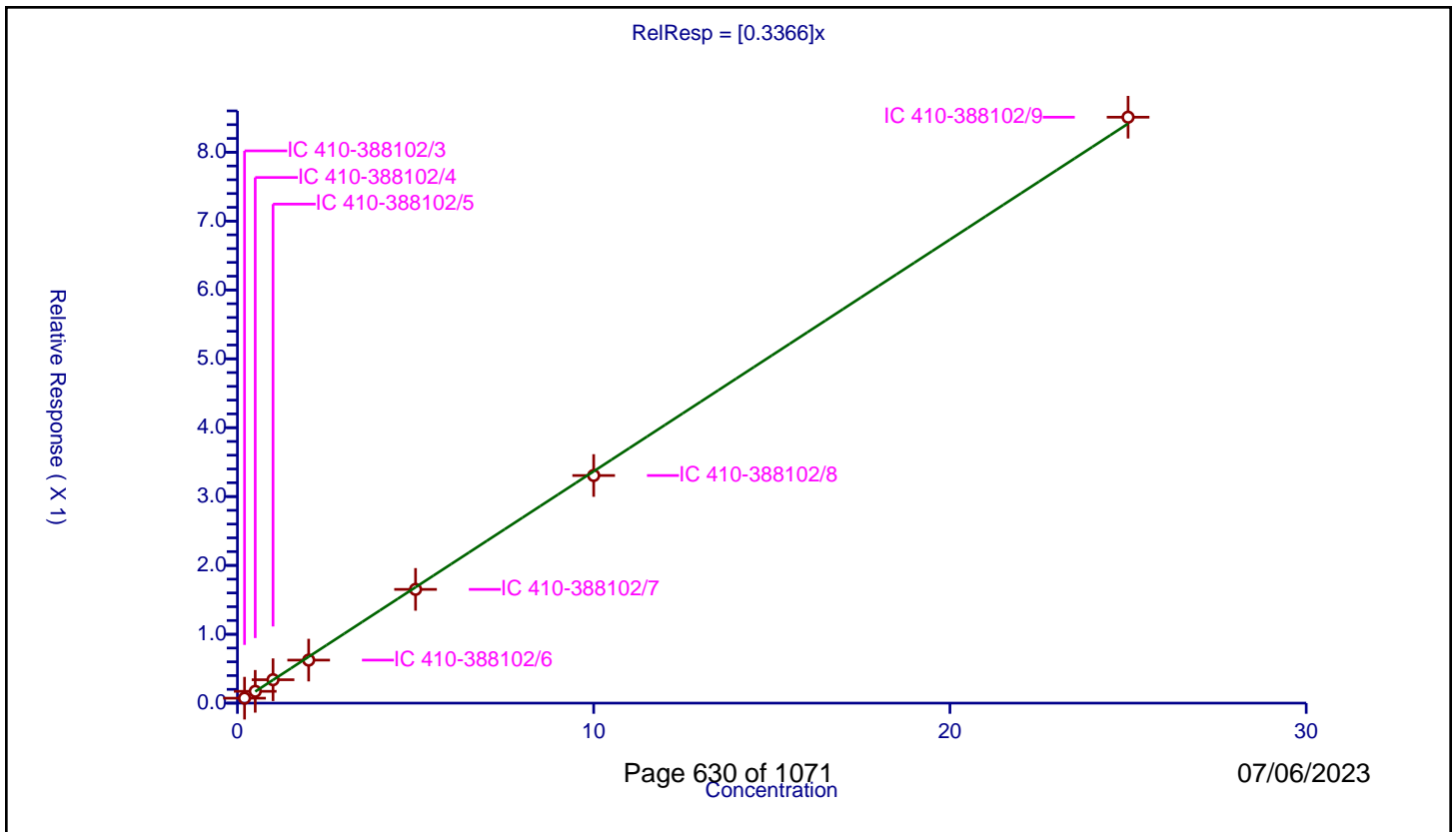
/ Vinyl acetate

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

Curve Coefficients	
Intercept:	0
Slope:	0.3366

Error Coefficients	
Standard Error:	689000
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 410-388102/3	0.2	0.071927	10.0	1898742.0	0.359633	Y
2	IC 410-388102/4	0.5	0.171649	10.0	1973742.0	0.343297	Y
3	IC 410-388102/5	1.0	0.339669	10.0	1800694.0	0.339669	Y
4	IC 410-388102/6	2.0	0.624618	10.0	1812979.0	0.312309	Y
5	IC 410-388102/7	5.0	1.651597	10.0	1828854.0	0.330319	Y
6	IC 410-388102/8	10.0	3.305435	10.0	1804558.0	0.330544	Y
7	IC 410-388102/9	25.0	8.508177	10.0	1813707.0	0.340327	Y



Calibration

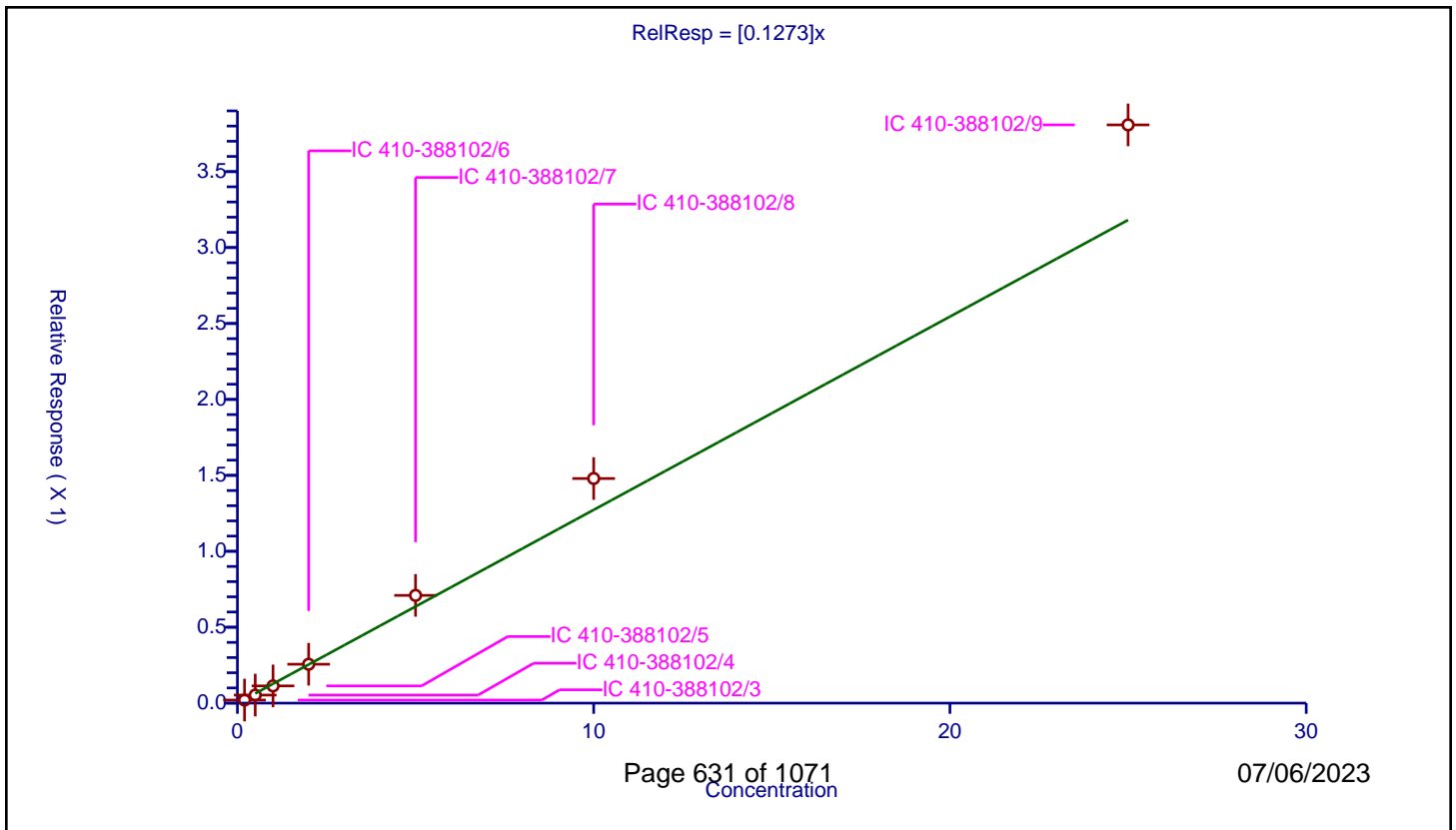
/ Ethyl acetate

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

Curve Coefficients	
Intercept:	0
Slope:	0.1273

Error Coefficients	
Standard Error:	308000
Relative Standard Error:	16.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/3	0.2	0.020224	10.0	1898742.0	0.10112	Y
2	IC 410-388102/4	0.5	0.053082	10.0	1973742.0	0.106164	Y
3	IC 410-388102/5	1.0	0.113379	10.0	1800694.0	0.113379	Y
4	IC 410-388102/6	2.0	0.256103	10.0	1812979.0	0.128052	Y
5	IC 410-388102/7	5.0	0.709444	10.0	1828854.0	0.141889	Y
6	IC 410-388102/8	10.0	1.47916	10.0	1804558.0	0.147916	Y
7	IC 410-388102/9	25.0	3.807699	10.0	1813707.0	0.152308	Y



Calibration

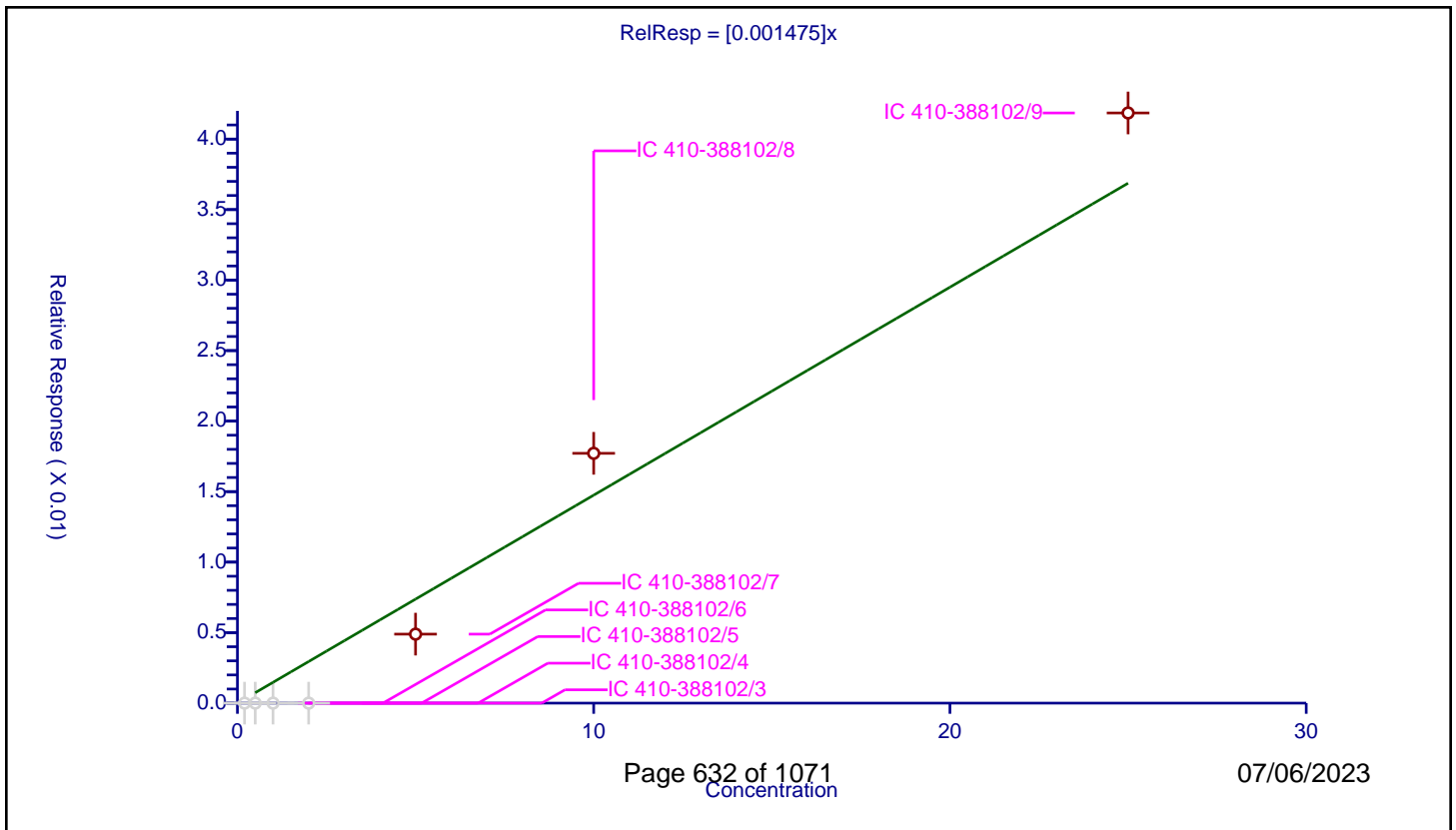
/ 2-Chloroethyl vinyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.001475

Error Coefficients	
Standard Error:	5860
Relative Standard Error:	29.3
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.881

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/3	0.2	0.0	10.0	1898742.0	0.0	N
2	IC 410-388102/4	0.5	0.0	10.0	1973742.0	0.0	N
3	IC 410-388102/5	1.0	0.0	10.0	1800694.0	0.0	N
4	IC 410-388102/6	2.0	0.0	10.0	1812979.0	0.0	N
5	IC 410-388102/7	5.0	0.004894	10.0	1828854.0	0.000979	Y
6	IC 410-388102/8	10.0	0.017716	10.0	1804558.0	0.001772	Y
7	IC 410-388102/9	25.0	0.041854	10.0	1813707.0	0.001674	Y



Calibration

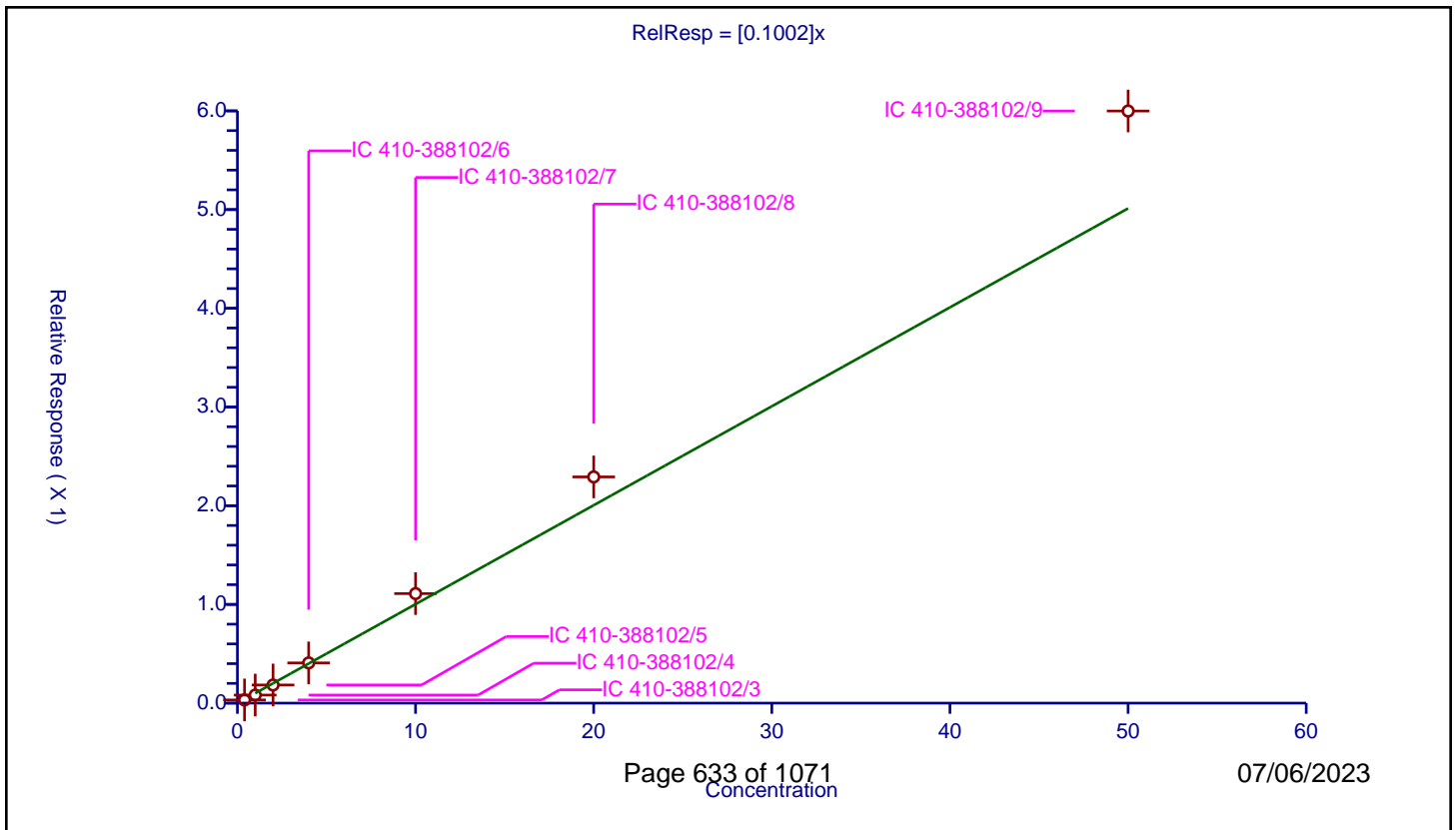
/ cis-1,4-Dichloro-2-butene

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

Curve Coefficients	
Intercept:	0
Slope:	0.1002

Error Coefficients	
Standard Error:	385000
Relative Standard Error:	15.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/3	0.400029	0.032185	10.0	1487320.0	0.080458	Y
2	IC 410-388102/4	1.000073	0.081969	10.0	1547291.0	0.081963	Y
3	IC 410-388102/5	2.000147	0.18375	10.0	1428082.0	0.091868	Y
4	IC 410-388102/6	4.000293	0.407518	10.0	1432231.0	0.101872	Y
5	IC 410-388102/7	10.000734	1.10962	10.0	1444071.0	0.110954	Y
6	IC 410-388102/8	20.001467	2.291751	10.0	1437525.0	0.114579	Y
7	IC 410-388102/9	50.003668	5.998563	10.0	1443609.0	0.119962	Y



Calibration

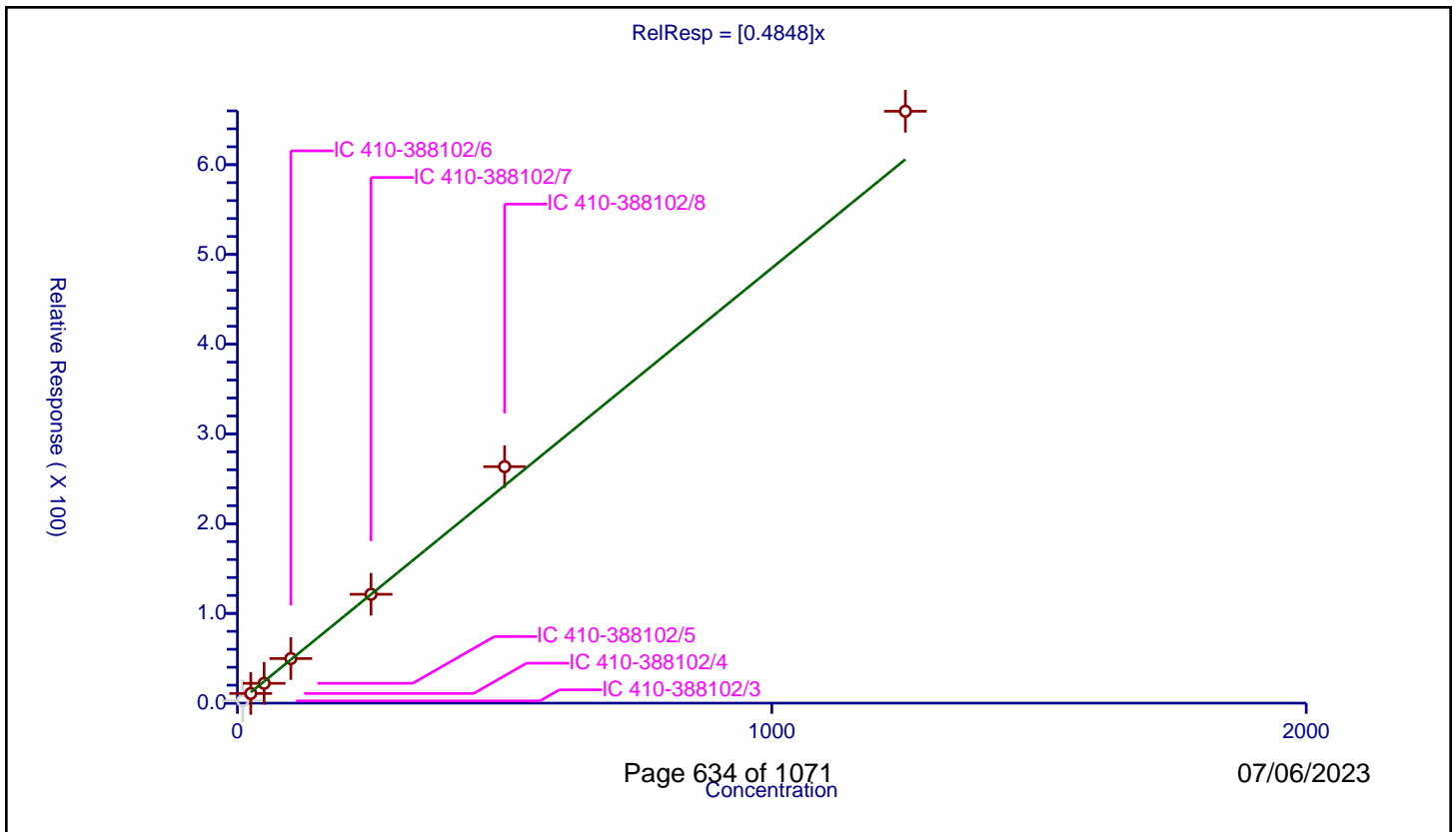
/ Cyclohexanone

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

Curve Coefficients	
Intercept:	0
Slope:	0.4848

Error Coefficients	
Standard Error:	672000
Relative Standard Error:	8.5
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/3	9.996	2.498085	50.0	144911.0	0.249818	N
2	IC 410-388102/4	24.999	10.768579	50.0	141625.0	0.43076	Y
3	IC 410-388102/5	49.998	22.074343	50.0	110300.0	0.441505	Y
4	IC 410-388102/6	99.996	49.664142	50.0	100489.0	0.496661	Y
5	IC 410-388102/7	249.99	121.301303	50.0	89518.0	0.485225	Y
6	IC 410-388102/8	499.98	263.565845	50.0	83666.0	0.527153	Y
7	IC 410-388102/9	1249.95	659.573447	50.0	107302.0	0.52768	Y



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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-131835-1 Analy Batch No.: 388102
 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: 06/19/2023 18:19 Calibration End Date: 06/19/2023 20:25 Calibration ID: 51353

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-388102/13	IU19X12.D
Level 2	IC 410-388102/14	IU19X13.D
Level 3	IC 410-388102/15	IU19X14.D
Level 4	IC 410-388102/16	IU19X15.D
Level 5	IC 410-388102/17	IU19X16.D
Level 6	ICIS 410-388102/18	IU19X17.D
Level 7	IC 410-388102/19	IU19X18.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	0.4525 0.4048	0.3959 0.3520	0.3851	0.4247	0.3877	Ave	0.400 4			0.1000	7.9		20.0				
Chloromethane	0.4433 0.3934	0.4368 0.3705	0.4085	0.4123	0.3826	Ave	0.406 8			0.1000	6.6		20.0				
Vinyl chloride	0.4128 0.3849	0.3972 0.3663	0.3909	0.4002	0.3721	Ave	0.389 2			0.1000	4.2		20.0				
1,3-Butadiene	0.5664 0.3662	0.4570 0.3293	0.3964	0.3854	0.3500	Ave	0.407 3				19.9		20.0				
Bromomethane	0.3286 0.2931	0.3338 0.2760	0.3073	0.3027	0.2852	Ave	0.303 8			0.1000	7.1		20.0				
Chloroethane	0.2544 0.2262	0.2542 0.2118	0.2302	0.2332	0.2201	Ave	0.232 9			0.1000	7.0		20.0				
Dichlorofluoromethane	0.7728 0.6099	0.7173 0.5755	0.6529	0.6302	0.5908	Ave	0.649 9			0.1000	11.0		20.0				
Trichlorofluoromethane	0.5073 0.5153	0.4966 0.4601	0.4861	0.5148	0.4884	Ave	0.495 5			0.1000	3.9		20.0				
Ethyl ether	0.1976 0.2098	0.2136 0.2002	0.2097	0.1996	0.2014	Ave	0.204 6				3.1		20.0				
Freon 123a	0.4218 0.3420	0.3693 0.3196	0.3401	0.3494	0.3315	Ave	0.353 4				9.6		20.0				
Acrolein	2.1302 2.2533	2.1540 2.1214	2.1475	2.2512	2.0978	Ave	2.165 0				2.9		20.0				
1,1-Dichloroethene	0.2869 0.2721	0.2788 0.2625	0.2395	0.2657	0.2718	Ave	0.268 2			0.1000	5.6		20.0				
Acetone	++++ 2.2593	2.6577 2.0209	2.6463	2.4301	2.3347	Ave	2.391 5			0.1000	10.2		20.0				

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

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

Analy Batch No.: 388102

SDG No.:

Instrument ID: 19930

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

Heated Purge: (Y/N) N

Calibration Start Date: 06/19/2023 18:19

Calibration End Date: 06/19/2023 20:25

Calibration ID: 51353

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	0.2638 0.3056	0.2848 0.2883	0.2543	0.2884	0.3074	Ave		0.284 7		0.1000	6.9		20.0				
Methyl iodide	0.5402 0.5790	0.5821 0.5553	0.5396	0.5761	0.5753	Ave		0.564 n			3.3		20.0				
Carbon disulfide	0.7149 0.7487	0.7545 0.7334	0.6654	0.7357	0.7381	Ave		0.727 3		0.1000	4.1		20.0				
Methyl acetate	5.4358 6.3319	6.2063 6.0419	5.3978	5.8772	6.0227	Ave		5.901 9		0.1000	6.1		20.0				
Allyl chloride	0.4626 0.4175	0.4280 0.4051	0.3811	0.4125	0.4110	Ave		0.416 8			5.9		20.0				
Methylene Chloride	0.2864 0.2867	0.3045 0.2734	0.2669	0.2808	0.2833	Ave		0.283 1		0.1000	4.2		20.0				
t-Butyl alcohol	1.0041 0.8013	1.0479 0.8236	0.9841	0.9770	1.0217	Ave		0.951 4			10.3		20.0				
Acrylonitrile	1.6935 3.2995	2.9982 3.1295	2.6051	3.3404	3.2807	Ave		2.906 7			20.4	*	20.0				
Methyl tert-butyl ether	0.7141 0.7350	0.7731 0.7210	0.7422	0.7418	0.7249	Ave		0.736 n		0.1000	2.6		20.0				
trans-1,2-Dichloroethene	0.2943 0.3042	0.3166 0.2930	0.2773	0.3034	0.3005	Ave		0.298 5		0.1000	4.1		20.0				
n-Hexane	0.4302 0.4138	0.3781 0.3892	0.3457	0.3839	0.3976	Ave		0.391 2			6.9		20.0				
1,1-Dichloroethane	0.4683 0.5297	0.5304 0.5105	0.4963	0.5217	0.5225	Ave		0.511 3		0.2000	4.4		20.0				
di-Isopropyl ether	0.7966 0.8513	0.8881 0.8227	0.8263	0.8469	0.8460	Ave		0.839 7			3.4		20.0				
2-Chloro-1,3-butadiene	0.4161 0.4460	0.4352 0.4278	0.3940	0.4360	0.4378	Ave		0.427 6			4.1		20.0				
Ethyl t-butyl ether	0.7685 0.8160	0.8385 0.7839	0.7901	0.8148	0.8023	Ave		0.802 n			2.9		20.0				
2-Butanone (MEK)	5.1322 4.6373	4.4498 4.3181	4.5676	4.7743	4.3775	Ave		4.608 1		0.1000	6.1		20.0				
cis-1,2-Dichloroethene	0.3215 0.3358	0.3567 0.3265	0.3175	0.3363	0.3302	Ave		0.332 1		0.1000	3.9		20.0				

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

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

Analy Batch No.: 388102

SDG No.:

Instrument ID: 19930

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

Heated Purge: (Y/N) N

Calibration Start Date: 06/19/2023 18:19

Calibration End Date: 06/19/2023 20:25

Calibration ID: 51353

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	0.4598 0.4721	0.4783 0.4555	0.4215	0.4701	0.4682	Ave		0.460 8			4.1		20.0				
Propionitrile	1.0481 1.3118	1.1977 1.2176	1.2436	1.3500	1.1627	Ave		1.218 8			8.2		20.0				
Methacrylonitrile	4.5635 4.9890	4.7918 4.7422	4.8210	5.0216	4.7357	Ave		4.809 3			3.3		20.0				
Bromochloromethane	0.1420 0.1540	0.1616 0.1468	0.1504	0.1524	0.1502	Ave		0.151 1			4.0		20.0				
Tetrahydrofuran	1.5911 1.5342	1.6331 1.3936	1.5046	1.5387	1.4196	Ave		1.516 4			5.7		20.0				
Chloroform	0.5098 0.5383	0.5474 0.5159	0.5102	0.5410	0.5348	Ave		0.528 2		0.2000	3.0		20.0				
1,1,1-Trichloroethane	0.4856 0.5059	0.5086 0.4904	0.4532	0.5014	0.5077	Ave		0.493 3		0.1000	4.0		20.0				
Cyclohexane	0.4612 0.4971	0.4664 0.4719	0.4112	0.4696	0.4947	Ave		0.467 4		0.1000	6.1		20.0				
Carbon tetrachloride	0.4069 0.4690	0.4383 0.4552	0.3987	0.4478	0.4602	Ave		0.439 4		0.1000	6.1		20.0				
1,1-Dichloropropene	0.3797 0.4086	0.4051 0.3980	0.3554	0.3980	0.4043	Ave		0.392 7			4.8		20.0				
Isobutyl alcohol	0.4092 0.3121	0.3748 0.2863	0.3625	0.3029	0.3179	Ave		0.338 0			13.2		20.0				
Benzene	1.1324 1.2126	1.2208 1.1743	1.1293	1.2019	1.1941	Ave		1.180 8		0.5000	3.1		20.0				
1,2-Dichloroethane	0.3147 0.3261	0.3339 0.3094	0.3162	0.3176	0.3229	Ave		0.320 1		0.1000	2.6		20.0				
t-Amyl methyl ether	0.6994 0.7606	0.7858 0.7275	0.7344	0.7445	0.7370	Ave		0.741 3			3.6		20.0				
n-Heptane	0.4195 0.3999	0.3518 0.3803	0.3281	0.3627	0.3874	Ave		0.375 7			8.2		20.0				
n-Butanol	++++ 0.2896	0.2186 0.2709	0.2443	0.2525	0.2816	Ave		0.259 6			10.2		20.0				
Trichloroethene	0.3086 0.3402	0.3473 0.3305	0.3074	0.3325	0.3331	Ave		0.328 5		0.2000	4.6		20.0				

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

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

Analy Batch No.: 388102

SDG No.:

Instrument ID: 19930

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

Heated Purge: (Y/N) N

Calibration Start Date: 06/19/2023 18:19

Calibration End Date: 06/19/2023 20:25

Calibration ID: 51353

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	0.4972 0.5734	0.5243 0.5419	0.4769	0.5366	0.5642	Ave		0.530 6		0.1000	6.5		20.0				
1,2-Dichloropropane	0.2673 0.3012	0.3075 0.2928	0.2835	0.2949	0.2965	Ave		0.291 9		0.1000	4.5		20.0				
Methyl methacrylate	7.4884 10.561	8.8196 10.309	9.6140	9.6930	9.8628	Ave		9.478 3			11.0		20.0				
1,4-Dioxane	++++ 0.0609	++++ 0.0569	0.0430	0.0548	0.0601	Ave		0.055 1		0.0050	13.1		20.0				
Dibromomethane	0.1334 0.1503	0.1537 0.1434	0.1456	0.1503	0.1477	Ave		0.146 3			4.5		20.0				
Bromodichloromethane	0.3547 0.3900	0.3883 0.3838	0.3732	0.3822	0.3839	Ave		0.379 5		0.2000	3.2		20.0				
2-Nitropropane	4.1430 3.0167	2.9957 2.9052	2.9048	2.9221	2.8065	Ave		3.099 1			15.0		20.0				
cis-1,3-Dichloropropene	0.3975 0.4841	0.4622 0.4722	0.4365	0.4632	0.4716	Ave		0.455 3		0.2000	6.5		20.0				
4-Methyl-2-pentanone (MIBK)	12.137 12.918	12.249 12.109	12.159	12.861	12.142	Ave		12.36 8		0.1000	2.9		20.0				
Toluene	0.9498 1.0396	1.0588 1.0106	0.9539	1.0488	1.0369	Ave		1.014 1		0.4000	4.4		20.0				
trans-1,3-Dichloropropene	0.4002 0.5158	0.4945 0.4987	0.4652	0.4821	0.4941	Ave		0.478 7		0.1000	7.9		20.0				
Ethyl methacrylate	0.3574 0.4129	0.4090 0.3952	0.3972	0.3989	0.3999	Ave		0.395 8			4.6		20.0				
1,1,2-Trichloroethane	0.2809 0.2865	0.3083 0.2726	0.2875	0.2881	0.2795	Ave		0.286 2		0.1000	3.9		20.0				
Tetrachloroethene	0.5014 0.5475	0.5467 0.5307	0.4921	0.5405	0.5439	Ave		0.529 0		0.2000	4.3		20.0				
1,3-Dichloropropane	0.4233 0.4641	0.4778 0.4436	0.4490	0.4616	0.4512	Ave		0.452 9			3.8		20.0				
2-Hexanone	8.8528 9.1467	8.2331 8.6577	8.7808	9.0425	8.5353	Ave		8.749 8		0.1000	3.5		20.0				
Dibromochloromethane	0.3311 0.3948	0.3760 0.3851	0.3600	0.3771	0.3845	Ave		0.372 6			5.7		20.0				

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

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

Analy Batch No.: 388102

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/19/2023 18:19 Calibration End Date: 06/19/2023 20:25 Calibration ID: 51353

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)	0.2490 0.2810	0.2725 0.2684	0.2745	0.2729	0.2718	Ave		0.270 n		0.1000	3.7		20.0				
1-Chlorohexane	0.6591 0.5910	0.6133 0.5709	0.5318	0.5810	0.5843	Ave		0.590 2			6.6		20.0				
Chlorobenzene	1.1145 1.2137	1.2421 1.1772	1.1389	1.2154	1.2035	Ave		1.186 5		0.5000	3.8		20.0				
1,1,1,2-Tetrachloroethane	0.3909 0.4370	0.4363 0.4247	0.4106	0.4304	0.4299	Ave		0.422 8			3.9		20.0				
Ethylbenzene	1.8937 2.0294	2.0779 1.9576	1.8576	2.0129	2.0058	Ave		1.976 4		0.1000	4.0		20.0				
m&p-Xylene	0.7394 0.8258	0.8389 0.7973	0.7562	0.8222	0.8159	Ave		0.799 4		0.1000	4.7		20.0				
o-Xylene	0.7350 0.8150	0.8284 0.7844	0.7597	0.8087	0.7990	Ave		0.790 n		0.3000	4.2		20.0				
Styrene	1.1454 1.3288	1.3143 1.2965	1.2118	1.2952	1.3055	Ave		1.271 1		0.3000	5.3		20.0				
Bromoform	0.2012 0.2639	0.2371 0.2586	0.2355	0.2444	0.2511	Ave		0.241 7		0.1000	8.6		20.0				
Isopropylbenzene	1.9253 2.1240	2.1280 2.0372	1.9198	2.1066	2.1028	Ave		2.049 1		0.1000	4.5		20.0				
1,1,2,2-Tetrachloroethane	0.5637 0.6041	0.6320 0.5707	0.6187	0.5949	0.5825	Ave		0.595 2		0.3000	4.2		20.0				
Bromobenzene	0.8029 0.8744	0.9071 0.8596	0.8350	0.8740	0.8686	Ave		0.860 2			3.9		20.0				
trans-1,4-Dichloro-2-butene	4.4463 4.8601	4.5473 4.6942	4.6249	4.8862	4.5387	Ave		4.656 8			3.6		20.0				
1,2,3-Trichloropropane	0.1529 0.1682	0.1789 0.1595	0.1799	0.1681	0.1621	Ave		0.167 1			5.9		20.0				
N-Propylbenzene	3.5762 3.9541	3.9093 3.8303	3.5631	3.8564	3.9626	Ave		3.807 4			4.4		20.0				
2-Chlorotoluene	0.7479 0.8603	0.8859 0.8359	0.7910	0.8531	0.8467	Ave		0.831 6			5.6		20.0				
1,3,5-Trimethylbenzene	2.7354 3.0010	3.0084 2.9111	2.7669	2.9427	2.9480	Ave		2.901 9			3.7		20.0				

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

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

Analy Batch No.: 388102

SDG No.:

Instrument ID: 19930

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

Heated Purge: (Y/N) N

Calibration Start Date: 06/19/2023 18:19

Calibration End Date: 06/19/2023 20:25

Calibration ID: 51353

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	0.7768 0.8636	0.9021 0.8509	0.8266	0.8793	0.8647	Ave		0.852 0			4.8		20.0				
tert-Butylbenzene	0.6389 0.7236	0.7280 0.7095	0.6604	0.7129	0.7079	Ave		0.697 3			4.9		20.0				
Pentachloroethane	0.4612 0.5778	0.5310 0.5785	0.5635	0.5170	0.5459	Ave		0.539 3			7.7		20.0				
1,2,4-Trimethylbenzene	2.7498 3.0738	3.1042 2.9947	2.8733	3.0134	3.0460	Ave		2.979 3			4.2		20.0				
sec-Butylbenzene	3.4494 3.8478	3.8100 3.7003	3.4512	3.7866	3.7896	Ave		3.690 7			4.6		20.0				
1,3-Dichlorobenzene	1.5119 1.7448	1.7192 1.7169	1.6056	1.7205	1.7489	Ave		1.681 1		0.6000	5.3		20.0				
p-Isopropyltoluene	3.0078 3.4729	3.2975 3.3483	3.1075	3.3750	3.4248	Ave		3.290 6			5.2		20.0				
1,4-Dichlorobenzene	1.5508 1.6728	1.7572 1.6451	1.6382	1.6842	1.6514	Ave		1.657 1		0.5000	3.7		20.0				
1,2,3-Trimethylbenzene	1.3062 1.3657	1.3641 1.3507	1.3123	1.3647	1.3634	Ave		1.346 7			1.9		20.0				
Benzyl chloride	0.2067 0.2763	0.2541 0.2737	0.2545	0.2640	0.2609	Ave		0.255 8			9.1		20.0				
n-Butylbenzene	1.2574 1.5853	1.4653 1.5899	1.3608	1.4904	1.5647	Ave		1.473 4			8.5		20.0				
1,2-Dichlorobenzene	1.4557 1.6147	1.6656 1.5763	1.5399	1.6033	1.6002	Ave		1.579 4		0.4000	4.2		20.0				
1,2-Dibromo-3-Chloropropane	0.0799 0.1038	0.0949 0.1037	0.0986	0.1007	0.0994	Ave		0.097 3		0.0500	8.5		20.0				
1,3,5-Trichlorobenzene	1.1011 1.3352	1.2246 1.3675	1.1948	1.2867	1.3162	Ave		1.260 9			7.4		20.0				
1,2,4-Trichlorobenzene	0.8179 1.1039	0.9767 1.1316	0.9610	1.0464	1.0630	Ave		1.014 4		0.2000	10.5		20.0				
Hexachlorobutadiene	0.4453 0.5269	0.4695 0.5414	0.4489	0.4990	0.5280	Ave		0.494 1			8.1		20.0				
Naphthalene	1.6038 1.9170	1.8541 1.9319	1.8268	1.8969	1.8932	Ave		1.846 3			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 Job No.: 410-131835-1 Analy Batch No.: 388102
 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: 06/19/2023 18:19 Calibration End Date: 06/19/2023 20:25 Calibration ID: 51353

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	0.7343 0.9057	0.8133 0.9277	0.8120	0.8622	0.8883	Ave		0.849 1			7.9		20.0				
Dibromofluoromethane (Surr)	0.2566 0.2570	0.2579 0.2549	0.2576	0.2551	0.2588	Ave		0.256 9			0.6		20.0				
1,2-Dichloroethane-d4 (Surr)	0.0503 0.0509	0.0510 0.0491	0.0523	0.0511	0.0519	Ave		0.050 9			2.1		20.0				
Toluene-d8 (Surr)	1.2909 1.2855	1.2924 1.2749	1.2762	1.2905	1.2890	Ave		1.285 6			0.6		20.0				
4-Bromofluorobenzene (Surr)	0.4829 0.4850	0.4855 0.4808	0.4824	0.4880	0.4865	Ave		0.484 4			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.: 410-131835-1 Analy Batch No.: 388102

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/19/2023 18:19 Calibration End Date: 06/19/2023 20:25 Calibration ID: 51353

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-388102/13	IU19X12.D
Level 2	IC 410-388102/14	IU19X13.D
Level 3	IC 410-388102/15	IU19X14.D
Level 4	IC 410-388102/16	IU19X15.D
Level 5	IC 410-388102/17	IU19X16.D
Level 6	ICIS 410-388102/18	IU19X17.D
Level 7	IC 410-388102/19	IU19X18.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	16248 731790	34723 1664427	68962	153092	360756	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloromethane	FB	Ave	15918 711149	38309 1751882	73144	148627	355971	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Vinyl chloride	FB	Ave	14822 695810	34833 1731717	69992	144284	346234	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Butadiene	FB	Ave	20337 661981	40081 1556945	70973	138958	325681	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromomethane	FB	Ave	11798 529829	29277 1304970	55026	109113	265387	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloroethane	FB	Ave	9134 408968	22289 1001229	41214	84063	204756	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dichlorofluoromethane	FB	Ave	27749 1102425	62910 2721094	116915	227201	549690	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Trichlorofluoromethane	FB	Ave	18216 931553	43553 2175547	87039	185589	454389	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl ether	FB	Ave	7096 379387	18739 946563	37553	71951	187410	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Freon 123a	FB	Ave	15145 618203	32387 1511147	60893	125946	308465	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acrolein	TBA 10	Ave	49712 2946849	142596 7153643	286815	572441	1460333	10.0 500	25.0 1250	50.0	100	250
1,1-Dichloroethene	FB	Ave	10300 491920	24450 1241308	42885	95792	252853	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetone	TBA 10	Ave	+++++	35188	70684	123579	325042	+++++	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.: 410-131835-1 Analy Batch No.: 388102

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/19/2023 18:19 Calibration End Date: 06/19/2023 20:25 Calibration ID: 51353

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
			590923	1362907				100	250			
Freon 113	FB	Ave	9472 552493	24980 1362883	45537	103962	285989	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl iodide	FB	Ave	19398 1046658	51051 2625621	96625	207682	535229	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon disulfide	FB	Ave	25669 1353487	66169 3467769	119139	265233	686699	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl acetate	TBAd 10	Ave	2537 165612	8217 407475	14418	29888	83849	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Allyl chloride	FB	Ave	16611 754668	37534 1915265	68239	148700	382363	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylene Chloride	FB	Ave	10282 518296	26705 1292711	47789	101250	263546	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Butyl alcohol	TBAd 10	Ave	9373 419183	27747 1110969	52571	99365	284492	4.00 200	10.0 500	20.0	40.0	100
Acrylonitrile	TBAd 10	Ave	1976 215747	9924 527652	17396	42468	114187	0.500 25.0	1.25 62.5	2.50	5.00	12.5
Methyl tert-butyl ether	FB	Ave	25640 1328588	67798 3409123	132891	267433	674458	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,2-Dichloroethene	FB	Ave	10568 549965	27769 1385244	49647	109363	279615	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Hexane	FB	Ave	15447 747981	33162 1840079	61908	138409	369911	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloroethane	FB	Ave	16814 957603	46514 2413824	88859	188062	486164	0.200 10.0	0.500 25.0	1.00	2.00	5.00
di-Isopropyl ether	FB	Ave	28604 1538859	77884 3889612	147957	305304	787124	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloro-1,3-butadiene	FB	Ave	14941 806204	38162 2022645	70549	157183	407363	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl t-butyl ether	FB	Ave	27595 1475081	73536 3706375	141482	293761	746447	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Butanone (MEK)	TBAd 10	Ave	23953	58914	122006	242793	609434	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.: 410-131835-1 Analy Batch No.: 388102

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/19/2023 18:19 Calibration End Date: 06/19/2023 20:25 Calibration ID: 51353

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
			1212881	2912203				100	250			
cis-1,2-Dichloroethene	FB	Ave	11544 607013	31280 1543889	56850	121238	307184	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2,2-Dichloropropane	FB	Ave	16510 853357	41944 2153694	75466	169485	435561	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Propionitrile	TBAd 10	Ave	9783 686213	31714 1642296	66438	137306	323734	4.00 200	10.0 500	20.0	40.0	100
Methacrylonitrile	TBAd 10	Ave	21299 1304884	63442 3198256	128773	255367	659307	2.00 100	5.00 250	10.0	20.0	50.0
Bromochloromethane	FB	Ave	5098 278362	14176 693916	26936	54957	139749	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrahydrofuran	TBAd 10	Ave	3713 200641	10811 469929	20095	39125	98820	1.00 50.0	2.50 125	5.00	10.0	25.0
Chloroform	FB	Ave	18306 973119	48008 2439280	91363	195036	497602	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1-Trichloroethane	FB	Ave	17436 914467	44606 2318413	81153	180779	472367	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Cyclohexane	FB	Ave	16560 898646	40898 2230992	73626	169296	460220	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon tetrachloride	FB	Ave	14611 847817	38435 2152417	71388	161435	428174	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloropropene	FB	Ave	13634 738645	35524 1881849	63636	143481	376146	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isobutyl alcohol	TBAd 10	Ave	9548 408183	24811 965364	48416	77021	221312	10.0 500	25.0 1250	50.0	100	250
Benzene	FB	Ave	40659 2192041	107059 5552169	202213	433294	1110945	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloroethane	FB	Ave	11298 589464	29283 1462742	56615	114498	300424	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Amyl methyl ether	FB	Ave	25111 1374850	68913 3439411	131492	268420	685739	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Heptane	FB	Ave	15063	30853	58742	130745	360420	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.: 410-131835-1 Analy Batch No.: 388102

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/19/2023 18:19 Calibration End Date: 06/19/2023 20:25 Calibration ID: 51353

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
			722856	1798135				10.0	25.0			
n-Butanol	TBAd 10	Ave	++++	25327	57099	112349	343098	++++	43.8	87.5	175	438
			662655	1598692				875	2188			
Trichloroethene	FB	Ave	11079	30455	55041	119866	309932	0.200	0.500	1.00	2.00	5.00
			615027	1562411				10.0	25.0			
Methylcyclohexane	FB	Ave	17852	45980	85392	193464	524891	0.200	0.500	1.00	2.00	5.00
			1036558	2562276				10.0	25.0			
1,2-Dichloropropane	FB	Ave	9597	26965	50772	106323	275849	0.200	0.500	1.00	2.00	5.00
			544394	1384198				10.0	25.0			
Methyl methacrylate	TBAd 10	Ave	3495	11677	25680	49293	137311	0.200	0.500	1.00	2.00	5.00
			276225	695290				10.0	25.0			
1,4-Dioxane	TBAd 10	Ave	++++	++++	5746	13925	41814	++++	++++	50.0	100	250
			79624	191965				500	1250			
Dibromomethane	FB	Ave	4789	13482	26070	54174	137376	0.200	0.500	1.00	2.00	5.00
			271761	678044				10.0	25.0			
Bromodichloromethane	FB	Ave	12737	34054	66817	137781	357171	0.200	0.500	1.00	2.00	5.00
			705073	1814784				10.0	25.0			
2-Nitropropane	TBAd 10	Ave	9668	19831	38795	74299	195361	1.00	2.50	5.00	10.0	25.0
			394504	979651				50.0	125			
cis-1,3-Dichloropropene	FB	Ave	14274	40532	78154	166986	438752	0.200	0.500	1.00	2.00	5.00
			875051	2232649				10.0	25.0			
4-Methyl-2-pentanone (MIBK)	TBAd 10	Ave	56646	162172	324775	654051	1690397	2.00	5.00	10.0	20.0	50.0
			3378679	8166235				100	250			
Toluene	CBZd 5	Ave	26878	73122	134873	296153	767071	0.200	0.500	1.00	2.00	5.00
			1497015	3812060				10.0	25.0			
trans-1,3-Dichloropropene	CBZd 5	Ave	11326	34150	65778	136143	365510	0.200	0.500	1.00	2.00	5.00
			742761	1881067				10.0	25.0			
Ethyl methacrylate	CBZd 5	Ave	10113	28243	56167	112647	295850	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.: 410-131835-1 Analy Batch No.: 388102

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/19/2023 18:19 Calibration End Date: 06/19/2023 20:25 Calibration ID: 51353

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
			594538	1490629				10.0	25.0			
1,1,2-Trichloroethane	CBZd 5	Ave	7948	21292	40644	81347	206782	0.200	0.500	1.00	2.00	5.00
			412606	1028167				10.0	25.0			
Tetrachloroethene	CBZd 5	Ave	14188	37751	69578	152617	402350	0.200	0.500	1.00	2.00	5.00
			788455	2002051				10.0	25.0			
1,3-Dichloropropane	CBZd 5	Ave	11978	32993	63491	130340	333810	0.200	0.500	1.00	2.00	5.00
			668224	1673377				10.0	25.0			
2-Hexanone	TBA 10	Ave	41318	109004	234543	459845	1188293	2.00	5.00	10.0	20.0	50.0
			2392308	5838914				100	250			
Dibromochloromethane	CBZd 5	Ave	9369	25969	50898	106469	284463	0.200	0.500	1.00	2.00	5.00
			568456	1452583				10.0	25.0			
1,2-Dibromoethane (EDB)	CBZd 5	Ave	7047	18815	38807	77070	201076	0.200	0.500	1.00	2.00	5.00
			404683	1012515				10.0	25.0			
1-Chlorohexane	CBZd 5	Ave	18652	42354	75197	164067	432239	0.200	0.500	1.00	2.00	5.00
			850962	2153392				10.0	25.0			
Chlorobenzene	CBZd 5	Ave	31539	85778	161040	343177	890297	0.200	0.500	1.00	2.00	5.00
			1747675	4440532				10.0	25.0			
1,1,1,2-Tetrachloroethane	CBZd 5	Ave	11062	30129	58062	121541	318029	0.200	0.500	1.00	2.00	5.00
			629258	1601843				10.0	25.0			
Ethylbenzene	CBZd 5	Ave	53589	143495	262649	568378	1483797	0.200	0.500	1.00	2.00	5.00
			2922252	7384442				10.0	25.0			
m&p-Xylene	CBZd 5	Ave	41851	115867	213843	464338	1207085	0.400	1.00	2.00	4.00	10.0
			2378256	6014911				20.0	50.0			
o-Xylene	CBZd 5	Ave	20800	57211	107419	228364	591109	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.: 410-131835-1 Analy Batch No.: 388102

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/19/2023 18:19 Calibration End Date: 06/19/2023 20:25 Calibration ID: 51353

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
			1173518	2958784				10.0	25.0			
Styrene	CBZd 5	Ave	32413	90765	171340	365726	965746	0.200	0.500	1.00	2.00	5.00
			1913392	4890581				10.0	25.0			
Bromoform	CBZd 5	Ave	5694	16371	33303	69013	185725	0.200	0.500	1.00	2.00	5.00
			380006	975567				10.0	25.0			
Isopropylbenzene	CBZd 5	Ave	54485	146958	271455	594828	1555613	0.200	0.500	1.00	2.00	5.00
			3058543	7684471				10.0	25.0			
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	9790	26384	52659	103555	265162	0.200	0.500	1.00	2.00	5.00
			534348	1308898				10.0	25.0			
Bromobenzene	DCBd 4	Ave	13944	37870	71063	152143	395435	0.200	0.500	1.00	2.00	5.00
			773433	1971522				10.0	25.0			
trans-1,4-Dichloro-2-butene	TBAd 10	Ave	20752	60206	123536	248485	631878	2.00	5.00	10.0	20.0	50.0
			1271163	3165888				100	250			
1,2,3-Trichloropropane	DCBd 4	Ave	2656	7469	15312	29265	73791	0.200	0.500	1.00	2.00	5.00
			148764	365750				10.0	25.0			
N-Propylbenzene	DCBd 4	Ave	62107	163202	303252	671294	1803955	0.200	0.500	1.00	2.00	5.00
			3497528	8784621				10.0	25.0			
2-Chlorotoluene	DCBd 4	Ave	12989	36985	67323	148498	385471	0.200	0.500	1.00	2.00	5.00
			760985	1917179				10.0	25.0			
1,3,5-Trimethylbenzene	DCBd 4	Ave	47506	125592	235489	512246	1342032	0.200	0.500	1.00	2.00	5.00
			2654457	6676624				10.0	25.0			
4-Chlorotoluene	DCBd 4	Ave	13490	37661	70351	153069	393652	0.200	0.500	1.00	2.00	5.00
			763897	1951600				10.0	25.0			
tert-Butylbenzene	DCBd 4	Ave	11096	30391	56204	124089	322256	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.: 410-131835-1 Analy Batch No.: 388102

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/19/2023 18:19 Calibration End Date: 06/19/2023 20:25 Calibration ID: 51353

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
			640020	1627291				10.0	25.0			
Pentachloroethane	DCBd 4	Ave	8010	22167	47961	89999	248510	0.200	0.500	1.00	2.00	5.00
			511060	1326828				10.0	25.0			
1,2,4-Trimethylbenzene	DCBd 4	Ave	47756	129589	244539	524551	1386678	0.200	0.500	1.00	2.00	5.00
			2718845	6868217				10.0	25.0			
sec-Butylbenzene	DCBd 4	Ave	59906	159057	293727	659131	1725161	0.200	0.500	1.00	2.00	5.00
			3403512	8486591				10.0	25.0			
1,3-Dichlorobenzene	DCBd 4	Ave	26258	71773	136646	299493	796177	0.200	0.500	1.00	2.00	5.00
			1543368	3937722				10.0	25.0			
p-Isopropyltoluene	DCBd 4	Ave	52236	137662	264478	587493	1559110	0.200	0.500	1.00	2.00	5.00
			3071854	7679357				10.0	25.0			
1,4-Dichlorobenzene	DCBd 4	Ave	26932	73356	139429	293178	751794	0.200	0.500	1.00	2.00	5.00
			1479609	3772911				10.0	25.0			
1,2,3-Trimethylbenzene	DCBd 4	Ave	22684	56949	111687	237548	620671	0.200	0.500	1.00	2.00	5.00
			1208040	3097874				10.0	25.0			
Benzyl chloride	DCBd 4	Ave	3590	10607	21662	45949	118785	0.200	0.500	1.00	2.00	5.00
			244410	627829				10.0	25.0			
n-Butylbenzene	DCBd 4	Ave	21838	61172	115817	259442	712295	0.200	0.500	1.00	2.00	5.00
			1402209	3646359				10.0	25.0			
1,2-Dichlorobenzene	DCBd 4	Ave	25281	69532	131059	279095	728454	0.200	0.500	1.00	2.00	5.00
			1428274	3615183				10.0	25.0			
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1388	3960	8390	17537	45263	0.200	0.500	1.00	2.00	5.00
			91829	237783				10.0	25.0			
1,3,5-Trichlorobenzene	DCBd 4	Ave	19123	51123	101687	223971	599184	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.: 410-131835-1 Analy Batch No.: 388102

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/19/2023 18:19 Calibration End Date: 06/19/2023 20:25 Calibration ID: 51353

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	
			1180993	3136365					10.0	25.0			
1,2,4-Trichlorobenzene	DCBd 4	Ave	14205 976458	40773 2595192	81792	182141	483938	0.200	0.500	1.00	2.00	5.00	
Hexachlorobutadiene	DCBd 4	Ave	7733 466073	19602 1241765	38205	86860	240365	0.200	0.500	1.00	2.00	5.00	
Naphthalene	DCBd 4	Ave	27854 1695646	77405 4430802	155480	330200	861870	0.200	0.500	1.00	2.00	5.00	
1,2,3-Trichlorobenzene	DCBd 4	Ave	12752 801092	33951 2127625	69112	150086	404377	0.200	0.500	1.00	2.00	5.00	
Dibromofluoromethane (Surr)	FB	Ave	460650 464653	452360 482075	461318	459886	481549	10.0 10.0	10.0 10.0	10.0	10.0	10.0	
1,2-Dichloroethane-d4 (Surr)	FB	Ave	90262 91929	89414 92867	93659	92053	96600	10.0 10.0	10.0 10.0	10.0	10.0	10.0	
Toluene-d8 (Surr)	CBZd 5	Ave	1826605 1851132	1785023 1923611	1804500	1822022	1907167	10.0 10.0	10.0 10.0	10.0	10.0	10.0	
4-Bromofluorobenzene (Surr)	CBZd 5	Ave	683248 698444	670589 725457	682073	688953	719841	10.0 10.0	10.0 10.0	10.0	10.0	10.0	

Curve Type Legend

Ave = Average ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-131835-1 Analy Batch No.: 388102

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/19/2023 18:19 Calibration End Date: 06/19/2023 20:25 Calibration ID: 51353

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-388102/13	IU19X12.D
Level 2	IC 410-388102/14	IU19X13.D
Level 3	IC 410-388102/15	IU19X14.D
Level 4	IC 410-388102/16	IU19X15.D
Level 5	IC 410-388102/17	IU19X16.D
Level 6	ICIS 410-388102/18	IU19X17.D
Level 7	IC 410-388102/19	IU19X18.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	13.0 -12.1	-1.1	-3.8	6.1	-3.2	1.1	50 30	30	30	30	30	30
Chloromethane	9.0 -8.9	7.4	0.4	1.3	-5.9	-3.3	50 30	30	30	30	30	30
Vinyl chloride	6.1 -5.9	2.1	0.4	2.8	-4.4	-1.1	50 30	30	30	30	30	30
1,3-Butadiene	39.1 -19.1	12.2	-2.7	-5.4	-14.0	-10.1	50 30	30	30	30	30	30
Bromomethane	8.2 -9.2	9.9	1.1	-0.4	-6.1	-3.5	50 30	30	30	30	30	30
Chloroethane	9.2 -9.1	9.1	-1.2	0.1	-5.5	-2.8	50 30	30	30	30	30	30
Dichlorofluoromethane	18.9 -11.4	10.4	0.5	-3.0	-9.1	-6.2	50 30	30	30	30	30	30
Trichlorofluoromethane	2.4 -7.1	0.2	-1.9	3.9	-1.4	4.0	50 30	30	30	30	30	30
Ethyl ether	-3.4 -2.1	4.4	2.5	-2.4	-1.5	2.6	50 30	30	30	30	30	30
Freon 123a	19.4 -9.6	4.5	-3.8	-1.1	-6.2	-3.2	50 30	30	30	30	30	30
Acrolein	-1.6 -2.0	-0.5	-0.8	4.0	-3.1	4.1	50 30	30	30	30	30	30
1,1-Dichloroethene	7.0 -2.1	4.0	-10.7	-0.9	1.3	1.5	50 30	30	30	30	30	30
Acetone	++++ -15.5	11.1	10.7	1.6	-2.4	-5.5	30	50	30	30	30	30
Freon 113	-7.3 1.3	0.1	-10.7	1.3	8.0	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.: 410-131835-1 Analy Batch No.: 388102

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/19/2023 18:19 Calibration End Date: 06/19/2023 20:25 Calibration ID: 51353

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	-4.2 -1.5	3.2	-4.3	2.1	2.0	2.7	50 30	30	30	30	30	30
Carbon disulfide	-1.7 0.9	3.7	-8.5	1.2	1.5	3.0	50 30	30	30	30	30	30
Methyl acetate	-7.9 2.4	5.2	-8.5	-0.4	2.0	7.3	50 30	30	30	30	30	30
Allyl chloride	11.0 -2.8	2.7	-8.6	-1.0	-1.4	0.2	50 30	30	30	30	30	30
Methylene Chloride	1.1 -3.4	7.5	-5.7	-0.8	0.0	1.3	50 30	30	30	30	30	30
t-Butyl alcohol	5.5 -13.4	10.1	3.4	2.7	7.4	-15.8	50 30	30	30	30	30	30
Acrylonitrile	-41.7 7.7	3.1	-10.4	14.9	12.9	13.5	50 30	30	30	30	30	30
Methyl tert-butyl ether	-3.0 -2.0	5.0	0.8	0.8	-1.5	-0.1	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	-1.4 -1.8	6.1	-7.1	1.6	0.7	1.9	50 30	30	30	30	30	30
n-Hexane	10.0 -0.5	-3.3	-11.6	-1.9	1.6	5.8	50 30	30	30	30	30	30
1,1-Dichloroethane	-8.4 -0.2	3.7	-3.0	2.0	2.2	3.6	50 30	30	30	30	30	30
di-Isopropyl ether	-5.1 -2.0	5.8	-1.6	0.9	0.8	1.4	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-2.7 0.1	1.8	-7.8	2.0	2.4	4.3	50 30	30	30	30	30	30
Ethyl t-butyl ether	-4.2 -2.3	4.5	-1.5	1.6	0.0	1.7	50 30	30	30	30	30	30
2-Butanone (MEK)	11.4 -6.3	-3.4	-0.9	3.6	-5.0	0.6	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	-3.2 -1.7	7.4	-4.4	1.3	-0.6	1.1	50 30	30	30	30	30	30
2,2-Dichloropropane	-0.2 -1.1	3.8	-8.5	2.0	1.6	2.5	50 30	30	30	30	30	30
Propionitrile	-14.0 -0.1	-1.7	2.0	10.8	-4.6	7.6	50 30	30	30	30	30	30
Methacrylonitrile	-5.1 -1.4	-0.4	0.2	4.4	-1.5	3.7	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.: 410-131835-1 Analy Batch No.: 388102

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/19/2023 18:19 Calibration End Date: 06/19/2023 20:25 Calibration ID: 51353

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	-6.0 -2.8	7.0	-0.4	0.9	-0.6	1.9	50 30	30	30	30	30	30
Tetrahydrofuran	4.9 -8.1	7.7	-0.8	1.5	-6.4	1.2	50 30	30	30	30	30	30
Chloroform	-3.5 -2.3	3.6	-3.4	2.4	1.3	1.9	50 30	30	30	30	30	30
1,1,1-Trichloroethane	-1.6 -0.6	3.1	-8.1	1.7	2.9	2.6	50 30	30	30	30	30	30
Cyclohexane	-1.3 0.9	-0.2	-12.0	0.5	5.8	6.4	50 30	30	30	30	30	30
Carbon tetrachloride	-7.4 3.6	-0.3	-9.3	1.9	4.7	6.7	50 30	30	30	30	30	30
1,1-Dichloropropene	-3.3 1.3	3.1	-9.5	1.3	2.9	4.0	50 30	30	30	30	30	30
Isobutyl alcohol	21.1 -15.3	10.9	7.3	-10.4	-5.9	-7.6	50 30	30	30	30	30	30
Benzene	-4.1 -0.5	3.4	-4.4	1.8	1.1	2.7	50 30	30	30	30	30	30
1,2-Dichloroethane	-1.7 -3.4	4.3	-1.2	-0.8	0.9	1.9	50 30	30	30	30	30	30
t-Amyl methyl ether	-5.7 -1.9	6.0	-0.9	0.4	-0.6	2.6	50 30	30	30	30	30	30
n-Heptane	11.7 1.2	-6.3	-12.7	-3.5	3.1	6.4	50 30	30	30	30	30	30
n-Butanol	++++ 4.4	-15.8	-5.9	-2.7	8.5	11.5	30	50	30	30	30	30
Trichloroethene	-6.1 0.6	5.7	-6.4	1.2	1.4	3.6	50 30	30	30	30	30	30
Methylcyclohexane	-6.3 2.1	-1.2	-10.1	1.1	6.3	8.1	50 30	30	30	30	30	30
1,2-Dichloropropane	-8.4 0.3	5.3	-2.9	1.0	1.6	3.2	50 30	30	30	30	30	30
Methyl methacrylate	-21.0 8.8	-6.9	1.4	2.3	4.1	11.4	50 30	30	30	30	30	30
1,4-Dioxane	++++ 3.3	++++	-22.0	-0.7	8.9	10.4	30		50	30	30	30
Dibromomethane	-8.9 -2.0	5.1	-0.5	2.7	0.9	2.7	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-131835-1 Analy Batch No.: 388102

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/19/2023 18:19 Calibration End Date: 06/19/2023 20:25 Calibration ID: 51353

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	-6.5 1.2	2.3	-1.7	0.7	1.2	2.8	50 30	30	30	30	30	30
2-Nitropropane	33.7 -6.3	-3.3	-6.3	-5.7	-9.4	-2.7	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-12.7 3.7	1.5	-4.1	1.7	3.6	6.3	50 30	30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	-1.9 -2.1	-1.0	-1.7	4.0	-1.8	4.4	50 30	30	30	30	30	30
Toluene	-6.3 -0.3	4.4	-5.9	3.4	2.3	2.5	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-16.4 4.2	3.3	-2.8	0.7	3.2	7.8	50 30	30	30	30	30	30
Ethyl methacrylate	-9.7 -0.2	3.3	0.4	0.8	1.0	4.3	50 30	30	30	30	30	30
1,1,2-Trichloroethane	-1.9 -4.8	7.7	0.4	0.7	-2.3	0.1	50 30	30	30	30	30	30
Tetrachloroethene	-5.2 0.3	3.3	-7.0	2.2	2.8	3.5	50 30	30	30	30	30	30
1,3-Dichloropropane	-6.6 -2.1	5.5	-0.9	1.9	-0.4	2.5	50 30	30	30	30	30	30
2-Hexanone	1.2 -1.1	-5.9	0.4	3.3	-2.5	4.5	50 30	30	30	30	30	30
Dibromochloromethane	-11.2 3.3	0.9	-3.4	1.2	3.2	5.9	50 30	30	30	30	30	30
1,2-Dibromoethane (EDB)	-7.8 -0.6	0.9	1.6	1.1	0.7	4.1	50 30	30	30	30	30	30
1-Chlorohexane	11.7 -3.3	3.9	-9.9	-1.6	-1.0	0.1	50 30	30	30	30	30	30
Chlorobenzene	-6.1 -0.8	4.7	-4.0	2.4	1.4	2.3	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-7.6 0.4	3.2	-2.9	1.8	1.7	3.3	50 30	30	30	30	30	30
Ethylbenzene	-4.2 -0.9	5.1	-6.0	1.8	1.5	2.7	50 30	30	30	30	30	30
m&p-Xylene	-7.5 -0.3	4.9	-5.4	2.9	2.1	3.3	50 30	30	30	30	30	30
o-Xylene	-7.0 -0.7	4.9	-3.8	2.4	1.1	3.2	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Enviro Job No.: 410-131835-1 Analy Batch No.: 388102

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/19/2023 18:19 Calibration End Date: 06/19/2023 20:25 Calibration ID: 51353

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	-9.9 2.0	3.4	-4.7	1.9	2.7	4.5	50 30	30	30	30	30	30
Bromoform	-16.7 7.0	-1.9	-2.5	1.1	3.9	9.2	50 30	30	30	30	30	30
Isopropylbenzene	-6.0 -0.6	3.9	-6.3	2.8	2.6	3.7	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-5.3 -4.1	6.2	3.9	-0.1	-2.1	1.5	50 30	30	30	30	30	30
Bromobenzene	-6.7 -0.1	5.5	-2.9	1.6	1.0	1.6	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-4.5 0.8	-2.4	-0.7	4.9	-2.5	4.4	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-8.5 -4.6	7.1	7.7	0.6	-3.0	0.7	50 30	30	30	30	30	30
N-Propylbenzene	-6.1 0.6	2.7	-6.4	1.3	4.1	3.9	50 30	30	30	30	30	30
2-Chlorotoluene	-10.1 0.5	6.5	-4.9	2.6	1.8	3.5	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-5.7 0.3	3.7	-4.7	1.4	1.6	3.4	50 30	30	30	30	30	30
4-Chlorotoluene	-8.8 -0.1	5.9	-3.0	3.2	1.5	1.4	50 30	30	30	30	30	30
tert-Butylbenzene	-8.4 1.8	4.4	-5.3	2.2	1.5	3.8	50 30	30	30	30	30	30
Pentachloroethane	-14.5 7.3	-1.5	4.5	-4.1	1.2	7.1	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-7.7 0.5	4.2	-3.6	1.1	2.2	3.2	50 30	30	30	30	30	30
sec-Butylbenzene	-6.5 0.3	3.2	-6.5	2.6	2.7	4.3	50 30	30	30	30	30	30
1,3-Dichlorobenzene	-10.1 2.1	2.3	-4.5	2.3	4.0	3.8	50 30	30	30	30	30	30
p-Isopropyltoluene	-8.6 1.8	0.2	-5.6	2.6	4.1	5.5	50 30	30	30	30	30	30
1,4-Dichlorobenzene	-6.4 -0.7	6.0	-1.1	1.6	-0.3	0.9	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-3.0 0.3	1.3	-2.6	1.3	1.2	1.4	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.: 410-131835-1 Analy Batch No.: 388102

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/19/2023 18:19 Calibration End Date: 06/19/2023 20:25 Calibration ID: 51353

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	-19.2 7.0	-0.7	-0.5	3.2	2.0	8.0	50 30	30	30	30	30	30
n-Butylbenzene	-14.7 7.9	-0.5	-7.6	1.2	6.2	7.6	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-7.8 -0.2	5.5	-2.5	1.5	1.3	2.2	50 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	-17.9 6.6	-2.5	1.3	3.6	2.2	6.7	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-12.7 8.5	-2.9	-5.2	2.0	4.4	5.9	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-19.4 11.6	-3.7	-5.3	3.2	4.8	8.8	50 30	30	30	30	30	30
Hexachlorobutadiene	-9.9 9.6	-5.0	-9.2	1.0	6.8	6.6	50 30	30	30	30	30	30
Naphthalene	-13.1 4.6	0.4	-1.1	2.7	2.5	3.8	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-13.5 9.3	-4.2	-4.4	1.5	4.6	6.7	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	-0.1 -0.8	0.4	0.3	-0.7	0.8	0.1	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	-1.3 -3.6	0.1	2.7	0.3	1.9	-0.1	50 30	30	30	30	30	30
Toluene-d8 (Surr)	0.4 -0.8	0.5	-0.7	0.4	0.3	0.0	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-0.3 -0.8	0.2	-0.4	0.7	0.4	0.1	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X12.D
 Lims ID: IC std1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 19-Jun-2023 18:19:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086929-013
 Misc. Info.: LG 0.2
 Operator ID: KNK41612 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub2

Method: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Jun-2023 12:30:03 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1687

First Level Reviewer: DVW2

Date: 21-Jun-2023 07:51:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.849	1.855	-0.006	95	16248	0.2000	0.2260	M
4 Chloromethane	50	2.038	2.050	-0.012	99	15918	0.2000	0.2180	
5 Vinyl chloride	62	2.148	2.160	-0.012	79	14822	0.2000	0.2121	
6 Butadiene	39	2.142	2.160	-0.018	90	20337	0.2000	0.2782	M
7 Bromomethane	94	2.452	2.465	-0.013	90	11798	0.2000	0.2163	
8 Chloroethane	64	2.532	2.538	-0.006	99	9134	0.2000	0.2185	
9 Dichlorofluoromethane	67	2.751	2.764	-0.013	96	27749	0.2000	0.2378	M
10 Trichlorofluoromethane	101	2.836	2.824	0.012	61	18216	0.2000	0.2048	
11 Ethyl ether	59	3.038	3.050	-0.012	59	7096	0.2000	0.1932	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.117	3.142	-0.025	88	15145	0.2000	0.2387	
14 Acrolein	56	3.208	3.209	-0.001	98	49712	10.0	9.84	
15 1,1-Dichloroethene	96	3.330	3.337	-0.007	94	10300	0.2000	0.2139	
16 Acetone	43	3.379	3.361	0.018	48	22071	2.00	3.95	M
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.379	3.385	-0.006	86	9472	0.2000	0.1853	
18 Iodomethane	142	3.513	3.526	-0.013	98	19398	0.2000	0.1916	
19 Ethyl bromide	108	3.538	3.550	-0.012	95	8280	0.1998	0.1965	
20 Carbon disulfide	76	3.617	3.629	-0.012	99	25669	0.2000	0.1966	
23 Methyl acetate	43	3.769	3.757	0.012	24	2537	0.2000	0.1842	M
24 3-Chloro-1-propene	41	3.775	3.782	-0.007	89	16611	0.2000	0.2220	M
25 Methylene Chloride	84	3.958	3.958	0.000	86	10282	0.2000	0.2023	
* 26 t-Butyl alcohol-d10 (IS)	65	3.964	4.025	-0.061	87	116680	50.0	50.0	M
27 2-Methyl-2-propanol	59	4.080	4.093	-0.013	26	9373	4.00	4.22	M
28 Acrylonitrile	53	4.330	4.282	0.048	24	1976	0.5000	0.2913	
29 Methyl tert-butyl ether	73	4.330	4.342	-0.012	93	25640	0.2000	0.1940	
30 trans-1,2-Dichloroethene	96	4.348	4.355	-0.007	96	10568	0.2000	0.1972	
31 Hexane	57	4.775	4.781	-0.006	94	15447	0.2000	0.2199	
32 1,1-Dichloroethane	63	5.013	5.013	0.000	94	16814	0.2000	0.1832	
35 Isopropyl ether	45	5.074	5.074	0.000	97	28604	0.2000	0.1897	
36 2-Chloro-1,3-butadiene	53	5.129	5.123	0.006	89	14941	0.2000	0.1946	
37 Tert-butyl ethyl ether	59	5.610	5.623	-0.013	97	27595	0.2000	0.1916	

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	5.848	5.812	0.036	68	23953	2.00	2.23	
39 cis-1,2-Dichloroethene	96	5.848	5.854	-0.006	79	11544	0.2000	0.1936	
40 2,2-Dichloropropane	77	5.866	5.867	-0.001	66	16510	0.2000	0.1996	
43 Propionitrile	54	5.976	5.891	0.085	39	9783	4.00	3.44	
45 Methacrylonitrile	67	6.122	6.110	0.012	92	21299	2.00	1.90	
S 41 1,2-Dichloroethene, Total	100				0			0.3909	
46 Chlorobromomethane	128	6.190	6.190	0.000	83	5098	0.2000	0.1880	
47 Tetrahydrofuran	71	6.202	6.196	0.006	60	3713	1.00	1.05	
48 Chloroform	83	6.342	6.342	0.000	92	18306	0.2000	0.1930	
\$ 49 Dibromofluoromethane (Surr)	113	6.549	6.555	-0.006	95	460650	10.0	9.99	
50 1,1,1-Trichloroethane	97	6.567	6.568	-0.001	37	17436	0.2000	0.1969	
51 Cyclohexane	56	6.659	6.671	-0.012	87	16560	0.2000	0.1973	
54 Carbon tetrachloride	117	6.775	6.781	-0.006	96	14611	0.2000	0.1852	
53 1,1-Dichloropropene	75	6.781	6.781	0.000	93	13634	0.2000	0.1934	
55 Isobutyl alcohol	41	6.952	6.940	0.012	50	9548	10.0	12.1	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.000	7.013	-0.013	65	90262	10.0	9.87	
57 Benzene	78	7.037	7.043	-0.006	92	40659	0.2000	0.1918	
58 1,2-Dichloroethane	62	7.116	7.116	0.000	59	11298	0.2000	0.1966	
60 Tert-amyl methyl ether	73	7.238	7.244	-0.006	98	25111	0.2000	0.1887	
* 61 Fluorobenzene (IS)	96	7.445	7.445	0.000	99	1795291	10.0	10.0	
62 n-Heptane	43	7.464	7.470	-0.006	36	15063	0.2000	0.2233	
63 n-Butanol	56	8.006	7.836	0.170	6	5699	17.5	9.41	M
64 Trichloroethene	95	7.933	7.933	0.000	95	11079	0.2000	0.1879	
65 Methylcyclohexane	83	8.244	8.244	0.000	89	17852	0.2000	0.1874	
66 1,2-Dichloropropane	63	8.262	8.269	-0.007	79	9597	0.2000	0.1831	
67 Methyl methacrylate	69	8.396	8.354	0.042	69	3495	0.2000	0.1580	
68 1,4-Dioxane	88		8.366				ND	ND	U
69 Dibromomethane	93	8.378	8.378	0.000	89	4789	0.2000	0.1823	
71 Dichlorobromomethane	83	8.616	8.616	0.000	97	12737	0.2000	0.1870	
72 2-Nitropropane	41	8.890	8.884	0.006	97	9668	1.00	1.34	M
75 1-Bromo-2-chloroethane	63	9.012	9.012	0.000	96	10178	0.2000	0.1905	
76 cis-1,3-Dichloropropene	75	9.189	9.177	0.012	94	14274	0.2000	0.1746	
77 4-Methyl-2-pentanone (MIBK)	43	9.366	9.360	0.006	96	56646	2.00	1.96	
\$ 78 Toluene-d8 (Surr)	98	9.494	9.500	-0.006	93	1826605	10.0	10.0	
79 Toluene	92	9.579	9.579	0.000	98	26878	0.2000	0.1873	
97 trans-1,3-Dichloropropene	75	9.853	9.848	0.005	91	11326	0.2000	0.1672	
99 Ethyl methacrylate	69	9.927	9.915	0.012	86	10113	0.2000	0.1806	
100 1,1,2-Trichloroethane	97	10.061	10.055	0.006	89	7948	0.2000	0.1963	
S 98 1,3-Dichloropropene, Total	100				0			0.3418	
101 Tetrachloroethene	166	10.146	10.146	0.000	96	14188	0.2000	0.1896	
102 1,3-Dichloropropane	76	10.225	10.219	0.006	89	11978	0.2000	0.1869	
103 2-Hexanone	43	10.292	10.274	0.018	95	41318	2.00	2.02	
105 Chlorodibromomethane	129	10.439	10.439	0.000	89	9369	0.2000	0.1777	
106 Ethylene Dibromide	107	10.555	10.549	0.005	97	7047	0.2000	0.1844	
* 107 Chlorobenzene-d5 (IS)	117	10.987	10.987	0.000	84	1414940	10.0	10.0	
108 1-Chlorohexane	91	11.006	11.000	0.006	86	18652	0.2000	0.2234	a
109 Chlorobenzene	112	11.012	11.018	-0.006	96	31539	0.2000	0.1879	
111 1,1,1,2-Tetrachloroethane	131	11.097	11.097	0.000	91	11062	0.2000	0.1849	
112 Ethylbenzene	91	11.103	11.103	0.000	98	53589	0.2000	0.1916	a
113 m-Xylene & p-Xylene	106	11.225	11.219	0.006	93	41851	0.4000	0.3700	
S 110 Xylenes, Total	106				0			0.5561	
114 o-Xylene	106	11.554	11.554	0.000	95	20800	0.2000	0.1861	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
115 Styrene	104	11.579	11.567	0.012	94	32413	0.2000	0.1802	
116 Bromoform	173	11.731	11.725	0.006	96	5694	0.2000	0.1665	
117 Isopropylbenzene	105	11.859	11.859	0.000	95	54485	0.2000	0.1879	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.999	12.000	-0.001	96	683248	10.0	9.97	
121 1,1,2,2-Tetrachloroethane	83	12.103	12.103	0.000	95	9790	0.2000	0.1894	
122 Bromobenzene	156	12.121	12.115	0.006	89	13944	0.2000	0.1867	
123 trans-1,4-Dichloro-2-butene	53	12.133	12.128	0.005	94	20752	2.00	1.91	
124 1,2,3-Trichloropropane	110	12.152	12.146	0.006	79	2656	0.2000	0.1831	
125 N-Propylbenzene	91	12.188	12.189	-0.001	98	62107	0.2000	0.1879	M
126 2-Chlorotoluene	126	12.268	12.262	0.006	98	12989	0.2000	0.1799	a
127 1,3,5-Trimethylbenzene	105	12.329	12.323	0.006	95	47506	0.2000	0.1885	
128 4-Chlorotoluene	126	12.359	12.353	0.006	97	13490	0.2000	0.1823	
129 tert-Butylbenzene	134	12.566	12.566	0.000	93	11096	0.2000	0.1833	
130 Pentachloroethane	167	12.597	12.597	0.000	77	8010	0.2000	0.1711	
131 1,2,4-Trimethylbenzene	105	12.609	12.609	0.000	96	47756	0.2000	0.1846	
132 sec-Butylbenzene	105	12.731	12.731	0.000	93	59906	0.2000	0.1869	
133 1,3-Dichlorobenzene	146	12.835	12.829	0.006	97	26258	0.2000	0.1799	
134 4-Isopropyltoluene	119	12.841	12.841	0.000	97	52236	0.2000	0.1828	
* 135 1,4-Dichlorobenzene-d4	152	12.883	12.883	0.000	93	868350	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.902	12.902	0.000	96	26932	0.2000	0.1872	
137 1,2,3-Trimethylbenzene	120	12.914	12.914	0.000	96	22684	0.2000	0.1940	
138 Benzyl chloride	126	12.987	12.981	0.006	97	3590	0.2000	0.1617	
139 n-Butylbenzene	92	13.133	13.133	0.000	97	21838	0.2000	0.1707	
140 1,2-Dichlorobenzene	146	13.164	13.158	0.006	98	25281	0.2000	0.1843	
142 1,2-Dibromo-3-Chloropropane	155	13.712	13.700	0.012	89	1388	0.2000	0.1643	
143 1,3,5-Trichlorobenzene	180	13.834	13.828	0.006	97	19123	0.2000	0.1747	
144 1,2,4-Trichlorobenzene	180	14.261	14.249	0.012	92	14205	0.2000	0.1613	
145 Hexachlorobutadiene	225	14.334	14.334	0.000	93	7733	0.2000	0.1802	
146 Naphthalene	128	14.438	14.426	0.012	97	27854	0.2000	0.1737	
147 1,2,3-Trichlorobenzene	180	14.578	14.572	0.006	97	12752	0.2000	0.1730	
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

U - Marked Undetected

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00081	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00093	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00156	Amount Added: 2.00	Units: uL	
MSV_LLcentISS_00007	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X12.D

Injection Date: 19-Jun-2023 18:19:30

Instrument ID: 19930

Operator ID: KNK41612

Lims ID: IC std1

Worklist Smp#: 13

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

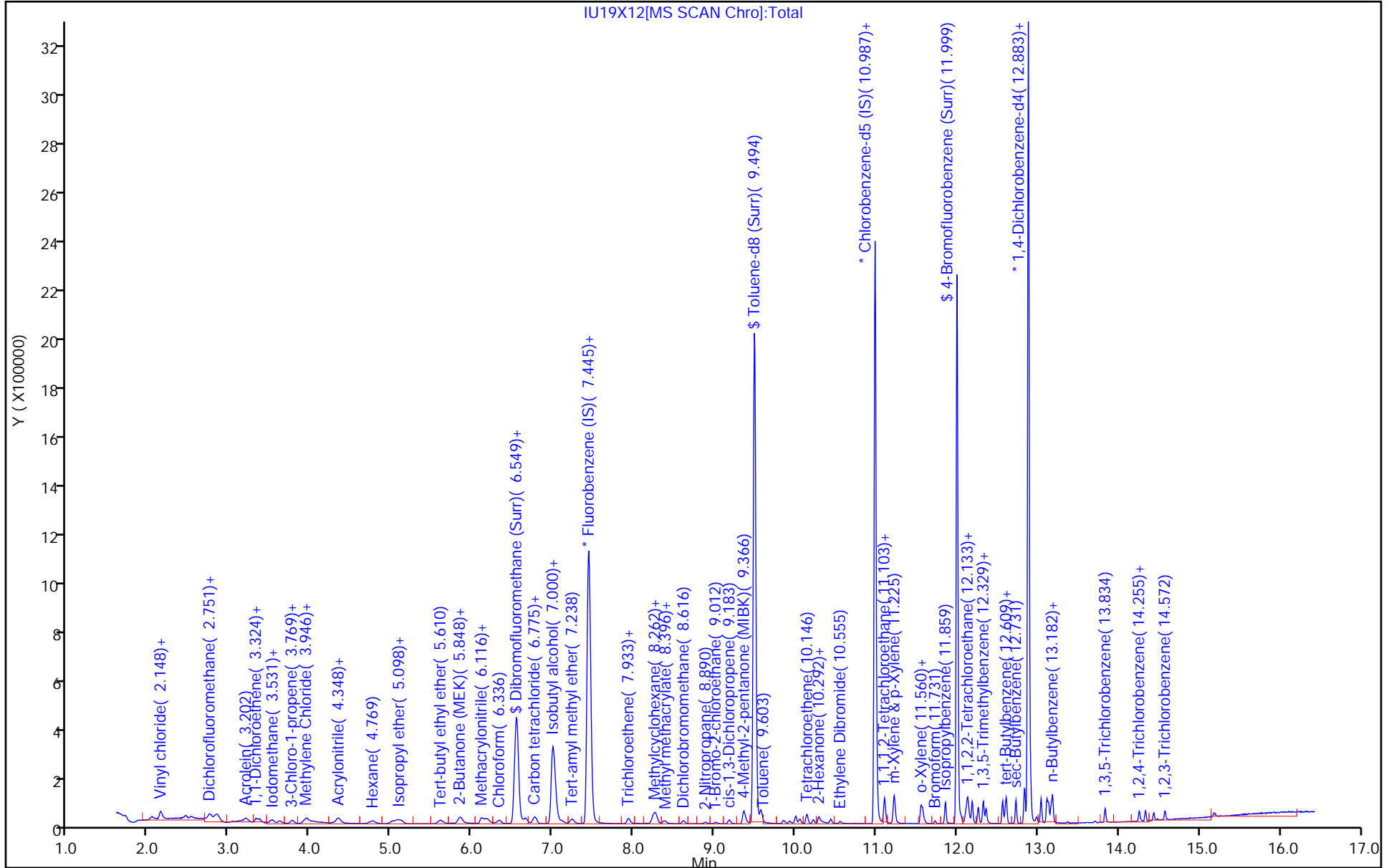
ALS Bottle#: 12

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



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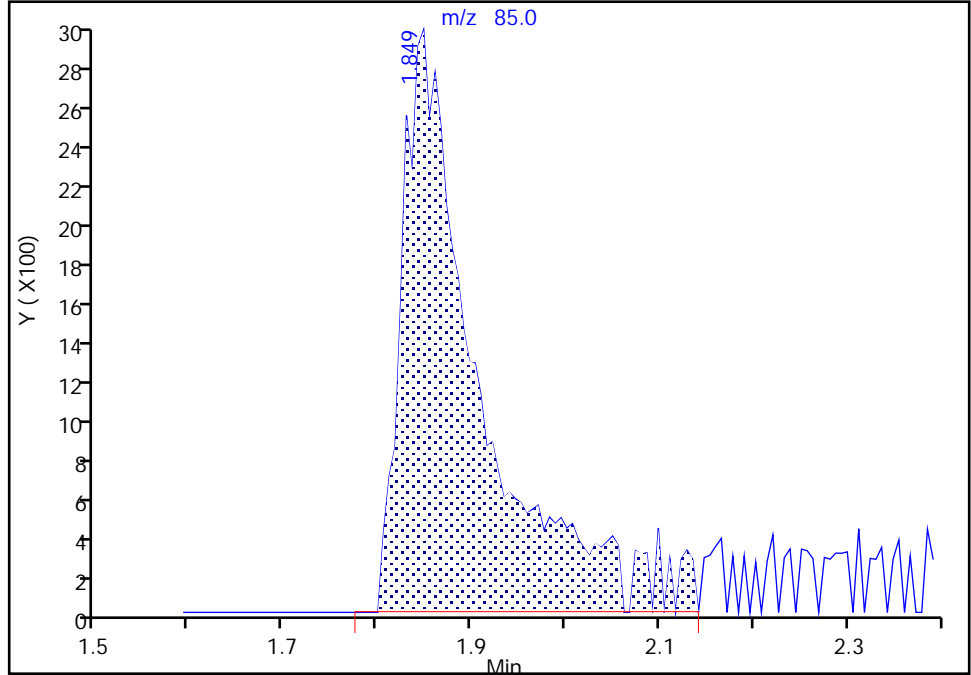
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Injection Date: 19-Jun-2023 18:19:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: KNK41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

1 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

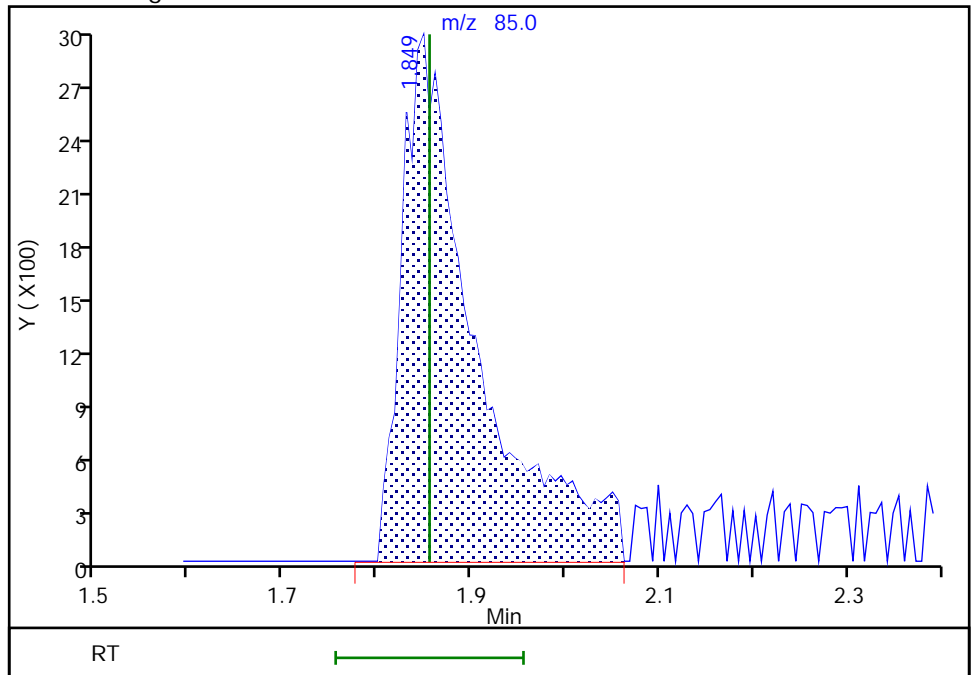
RT: 1.85
Area: 17153
Amount: 0.228743
Amount Units: ug/l

Processing Integration Results



RT: 1.85
Area: 16248
Amount: 0.226029
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:45:13 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Euofins Lancaster Laboratories Environment Testing, LLC

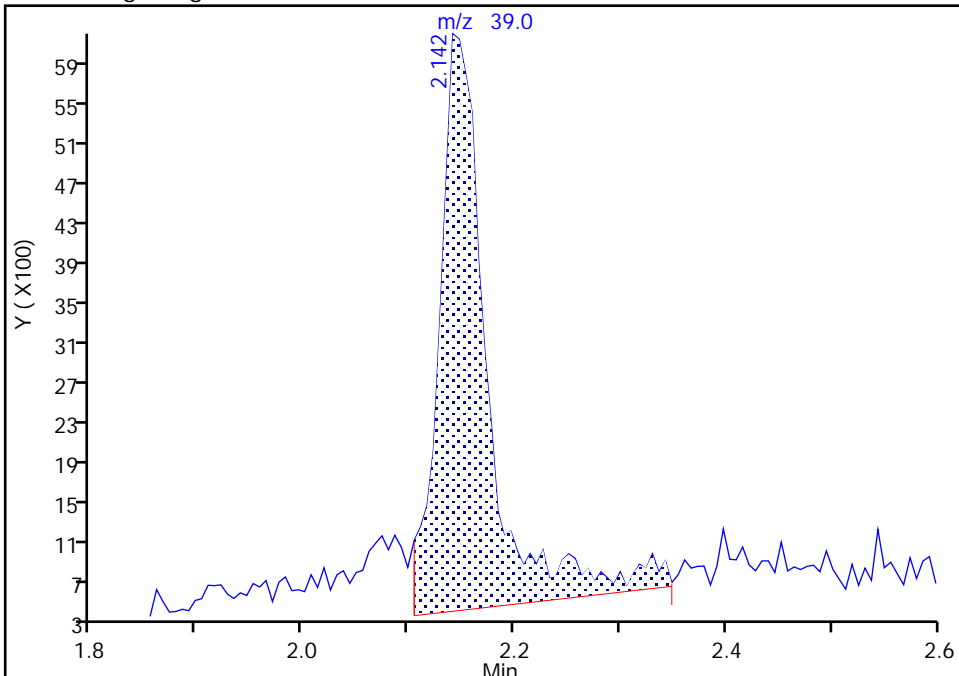
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X12.D
Injection Date: 19-Jun-2023 18:19:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: KNK41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

6 Butadiene, CAS: 106-99-0

Signal: 1

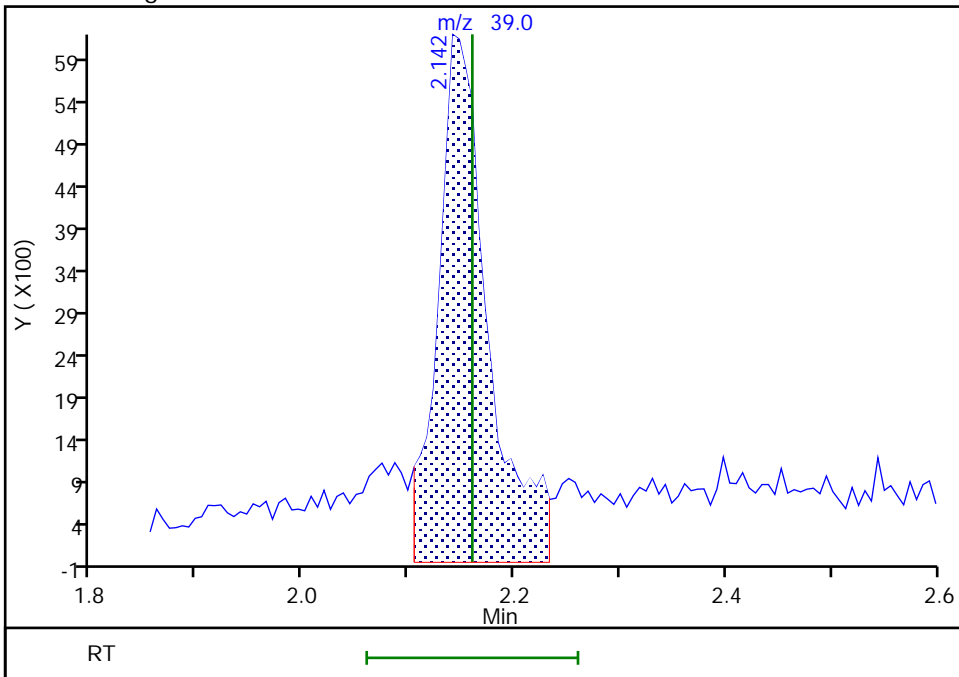
RT: 2.14
Area: 18397
Amount: 0.251107
Amount Units: ug/l

Processing Integration Results



RT: 2.14
Area: 20337
Amount: 0.278153
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:45:27 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

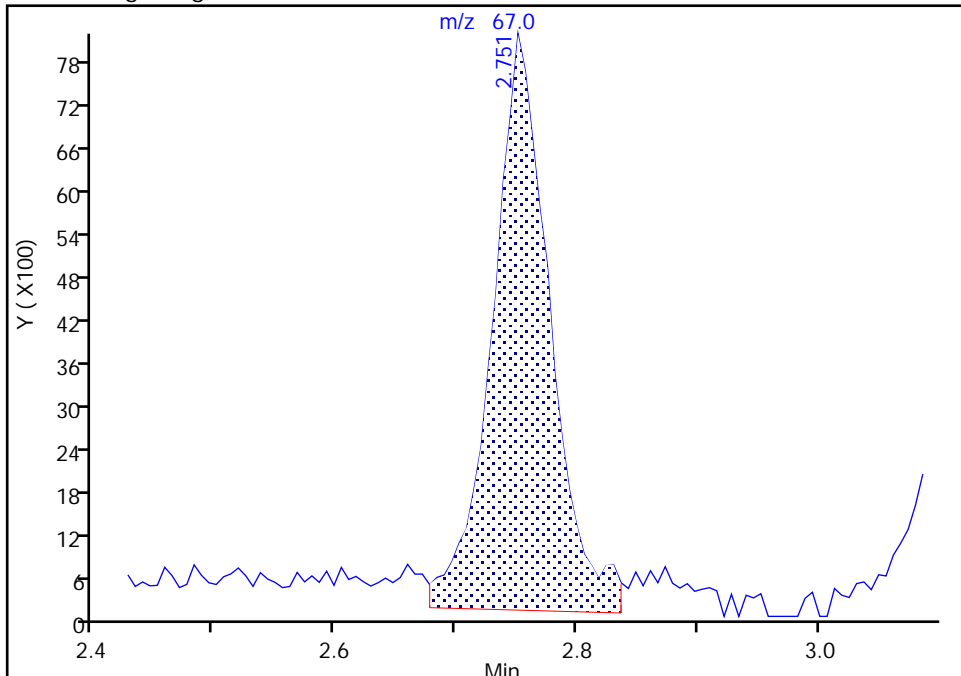
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X12.D
Injection Date: 19-Jun-2023 18:19:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: KNK41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

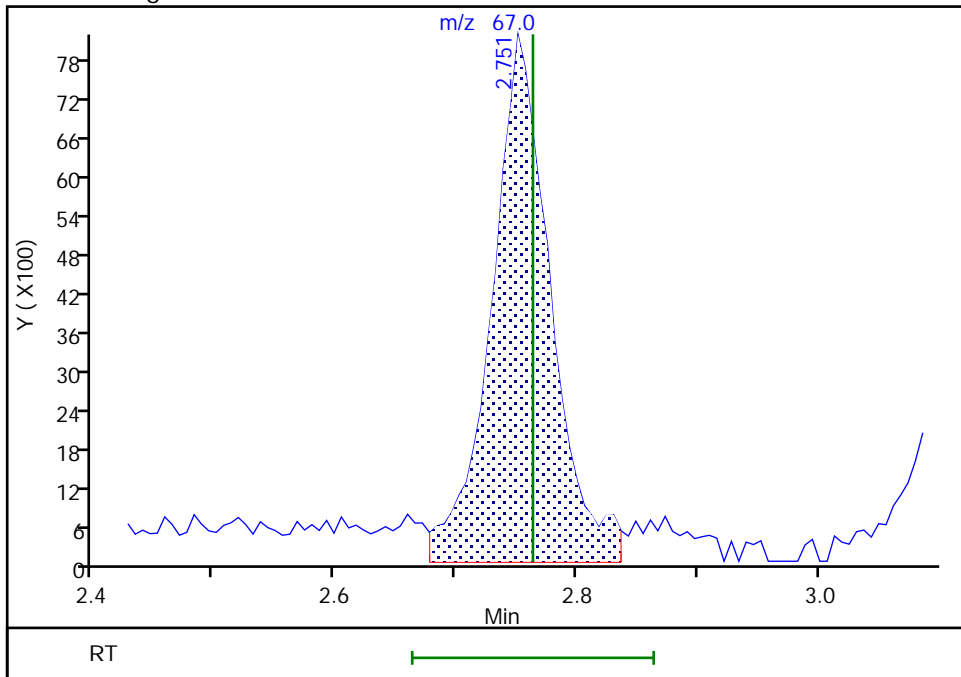
RT: 2.75
Area: 26871
Amount: 0.307709
Amount Units: ug/l

Processing Integration Results



RT: 2.75
Area: 27749
Amount: 0.237817
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:46:06 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

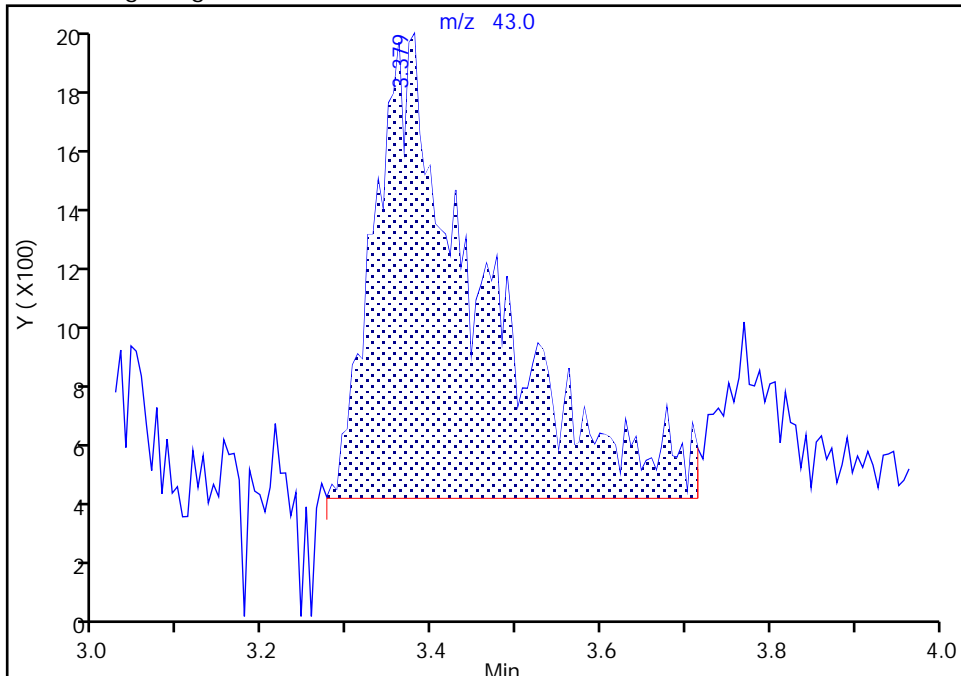
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X12.D
Injection Date: 19-Jun-2023 18:19:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: KNK41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

16 Acetone, CAS: 67-64-1

Signal: 1

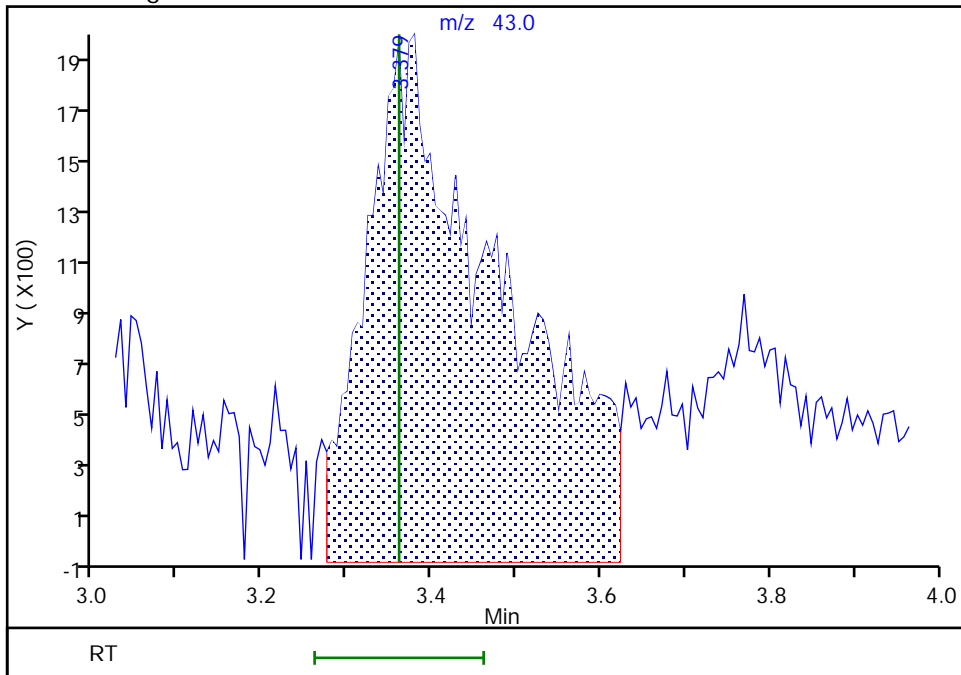
RT: 3.38
Area: 14161
Amount: 2.451386
Amount Units: ug/l

Processing Integration Results



RT: 3.38
Area: 22071
Amount: 3.954818
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:47:22 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

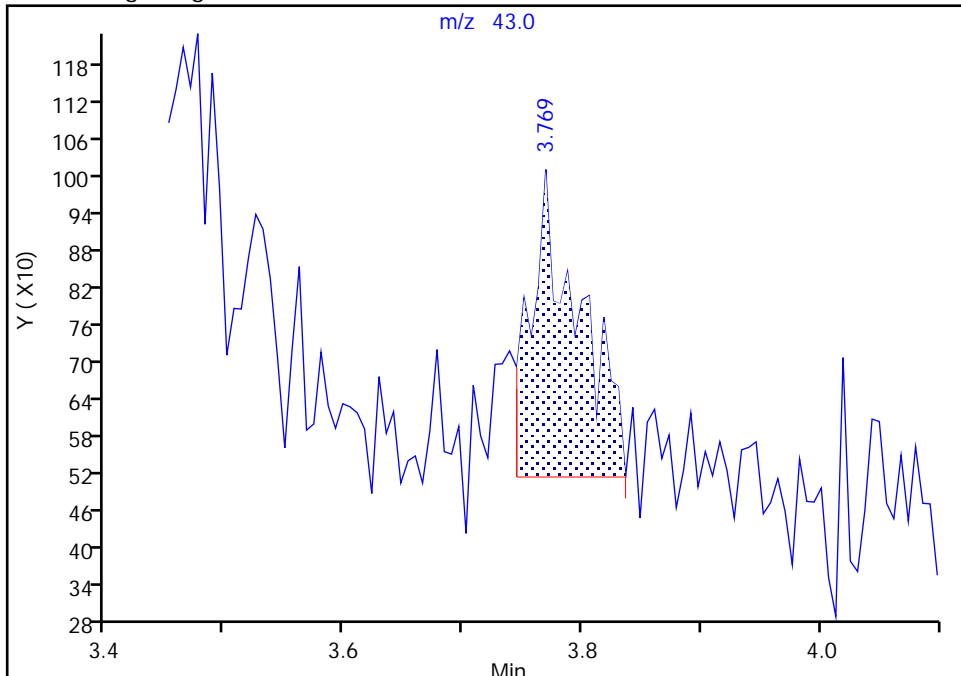
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X12.D
Injection Date: 19-Jun-2023 18:19:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: KNK41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

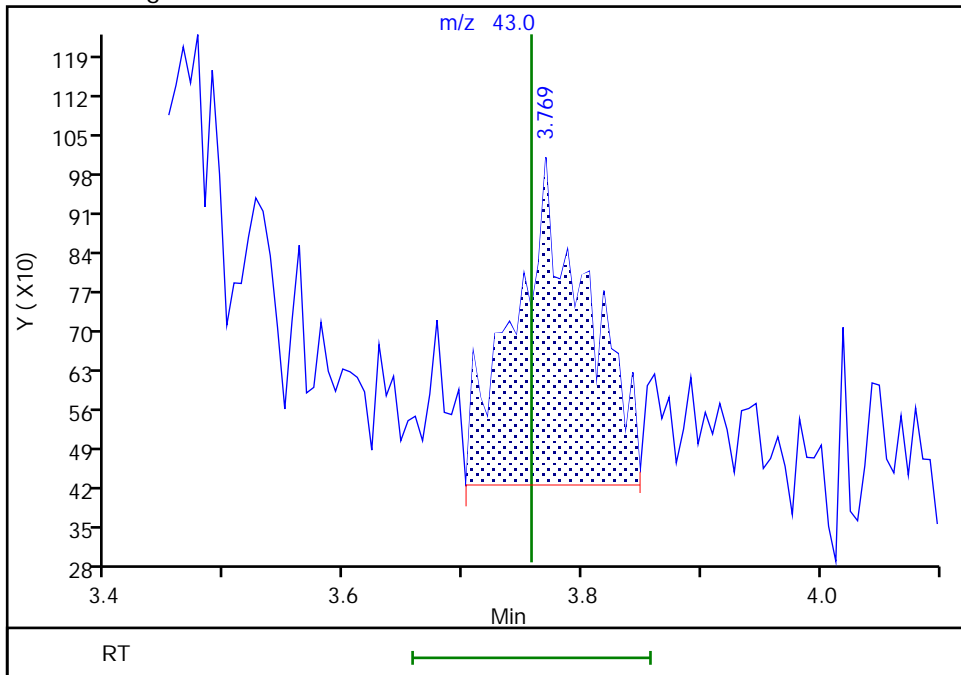
RT: 3.77
Area: 1413
Amount: 0.145020
Amount Units: ug/l

Processing Integration Results



RT: 3.77
Area: 2537
Amount: 0.184204
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:47:43 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

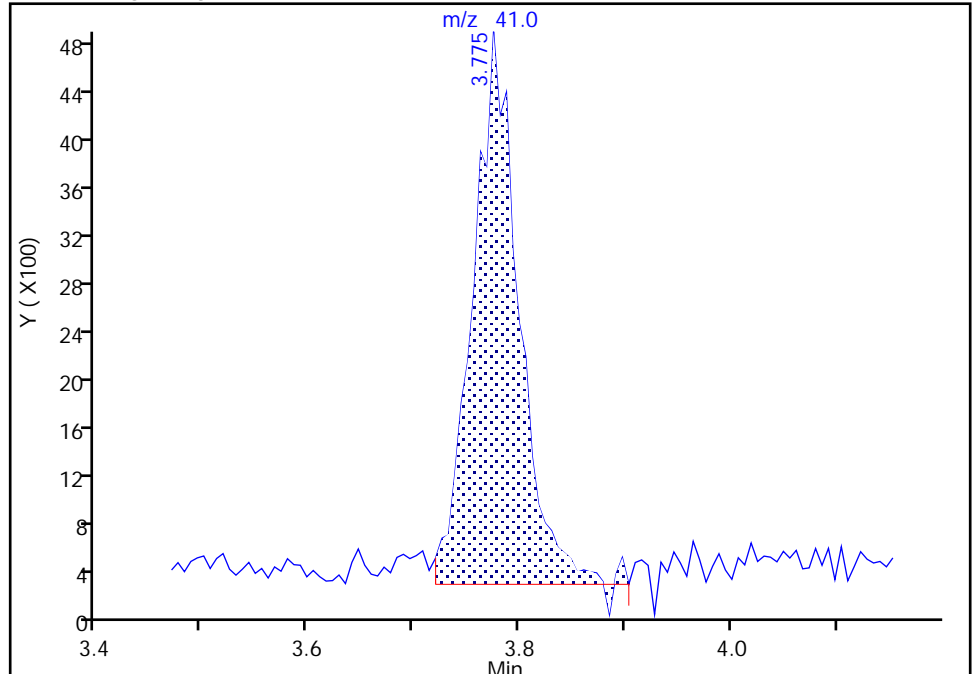
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X12.D
Injection Date: 19-Jun-2023 18:19:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: KNK41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

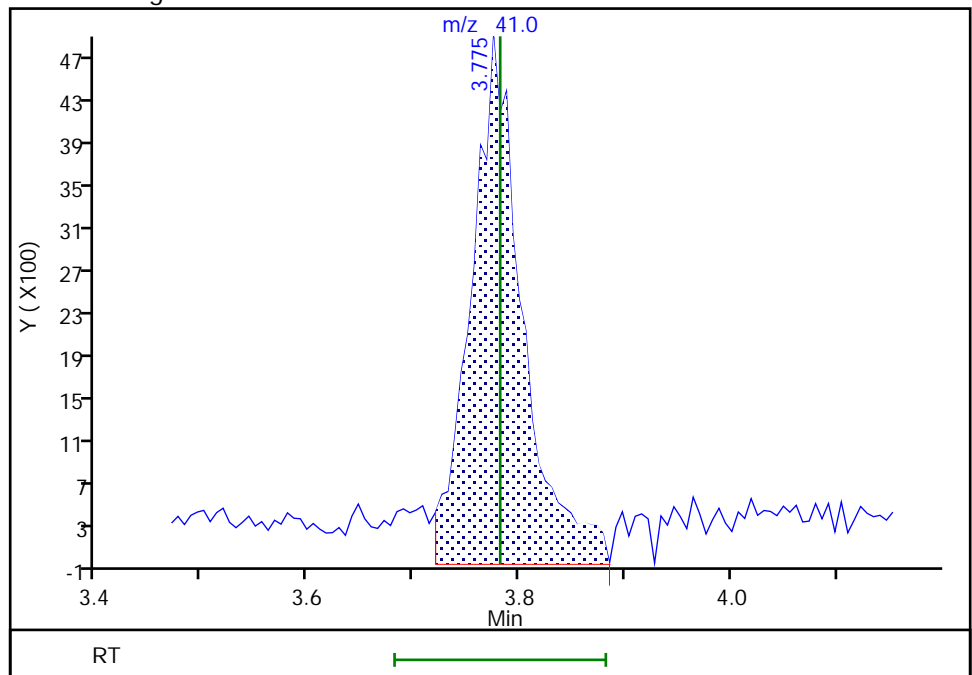
RT: 3.78
Area: 14127
Amount: 0.194132
Amount Units: ug/l

Processing Integration Results



RT: 3.78
Area: 16611
Amount: 0.221980
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:48:01 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

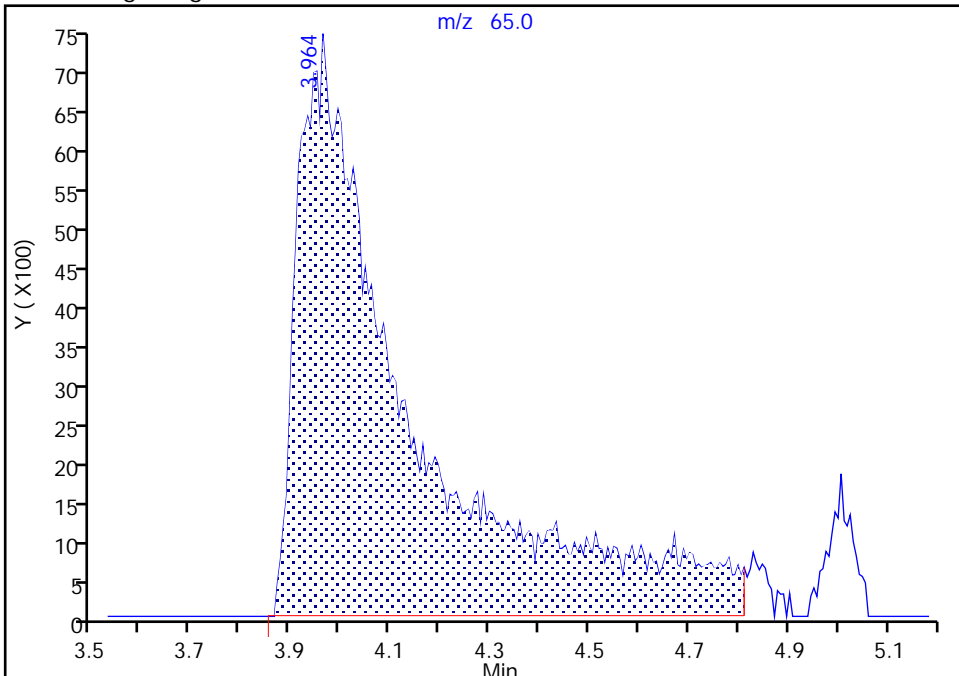
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X12.D
Injection Date: 19-Jun-2023 18:19:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: KNK41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

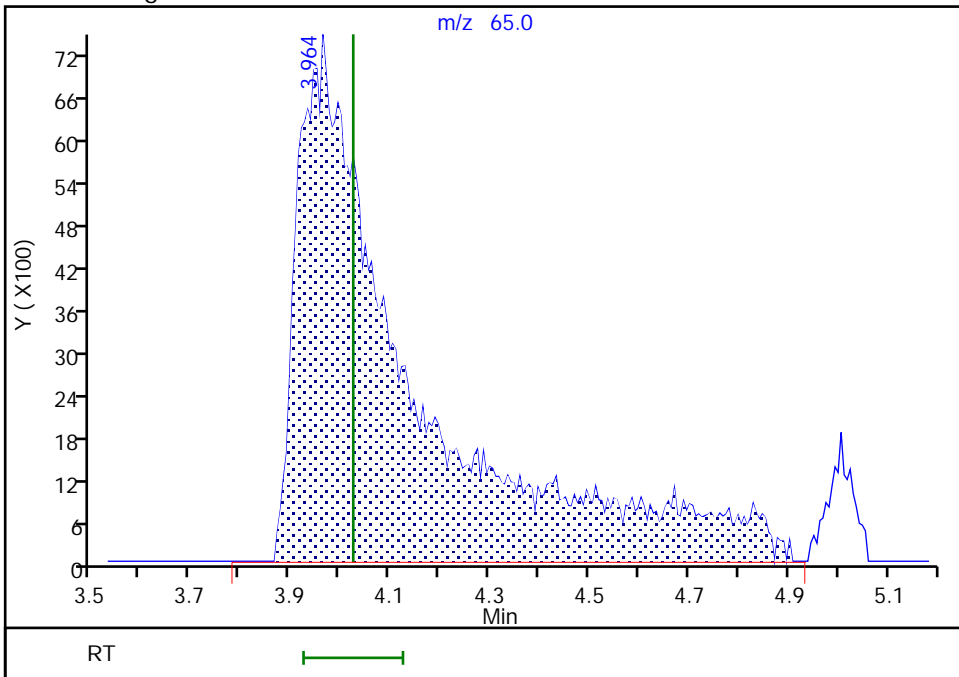
RT: 3.96
Area: 114329
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 3.96
Area: 116680
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:48:08 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

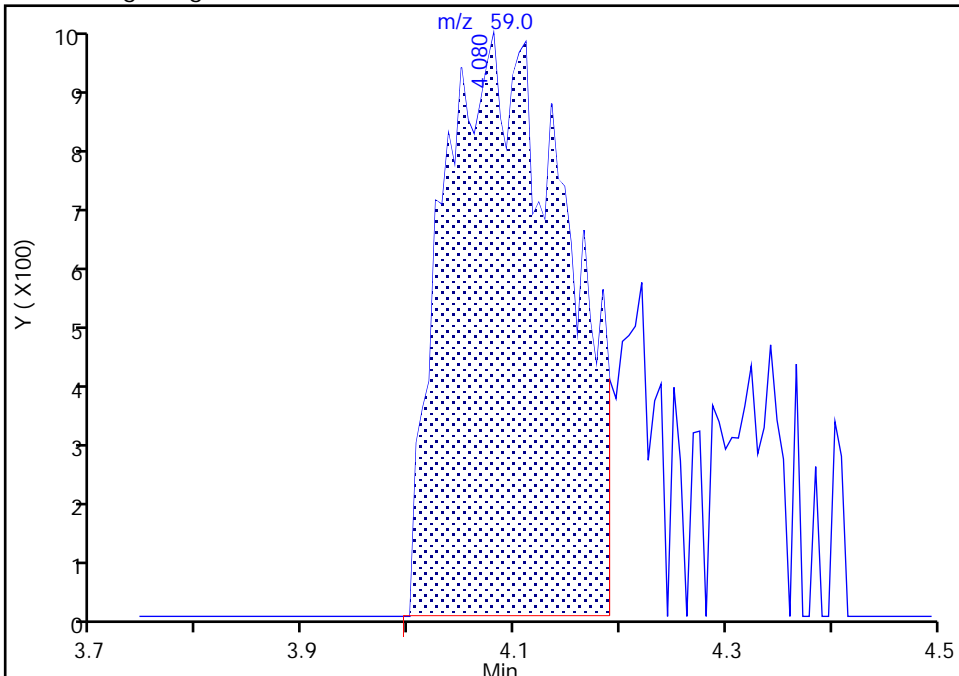
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X12.D
Injection Date: 19-Jun-2023 18:19:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: KNK41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

27 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

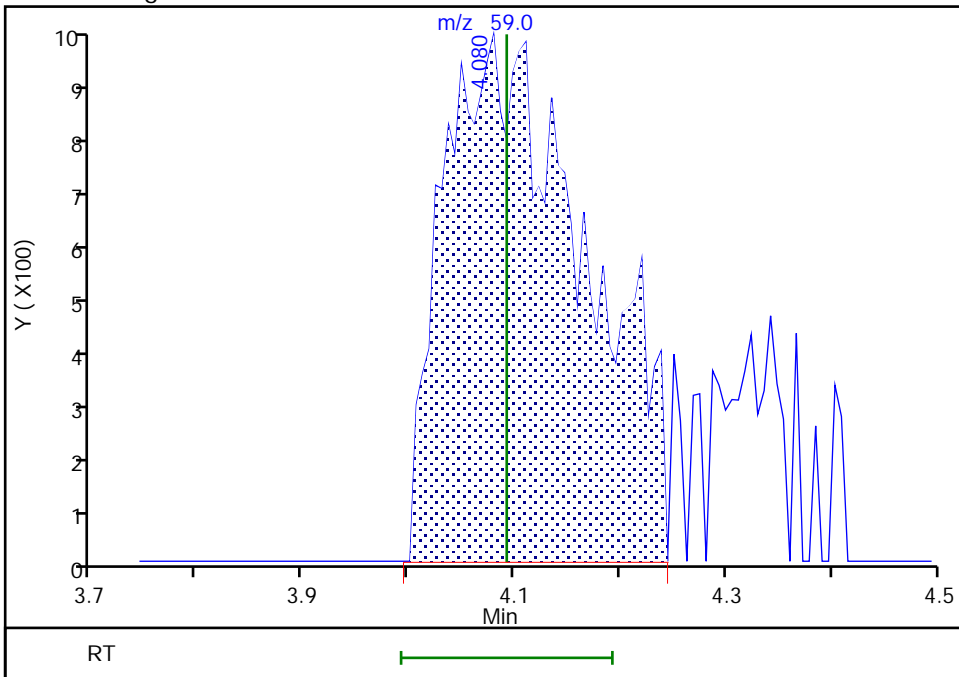
RT: 4.08
Area: 8116
Amount: 4.003590
Amount Units: ug/l

Processing Integration Results



RT: 4.08
Area: 9373
Amount: 4.221747
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:48:15 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

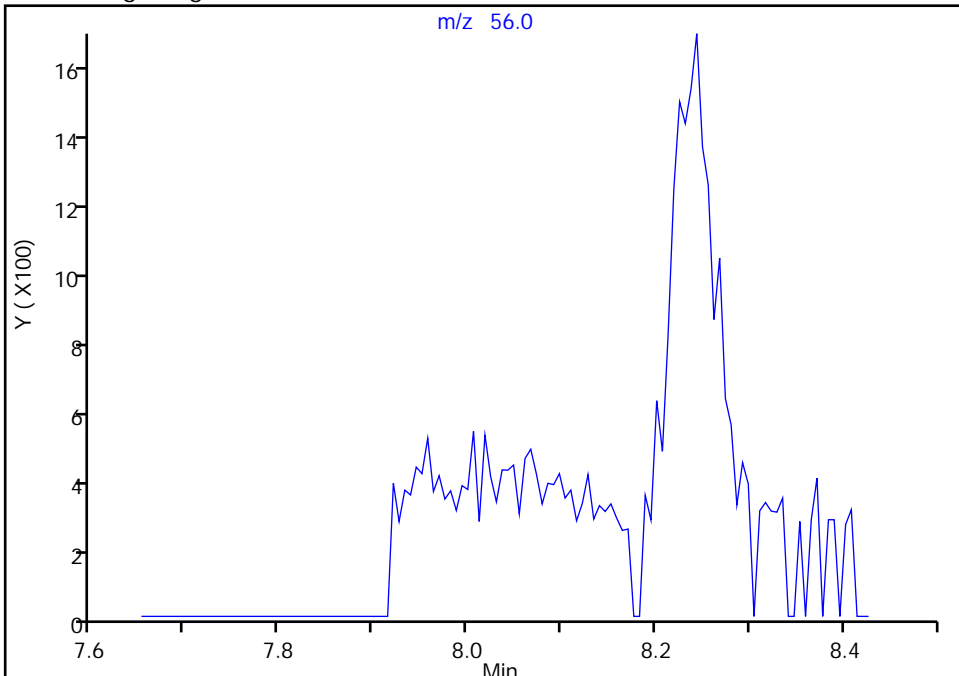
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X12.D
Injection Date: 19-Jun-2023 18:19:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: KNK41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

63 n-Butanol, CAS: 71-36-3

Signal: 1

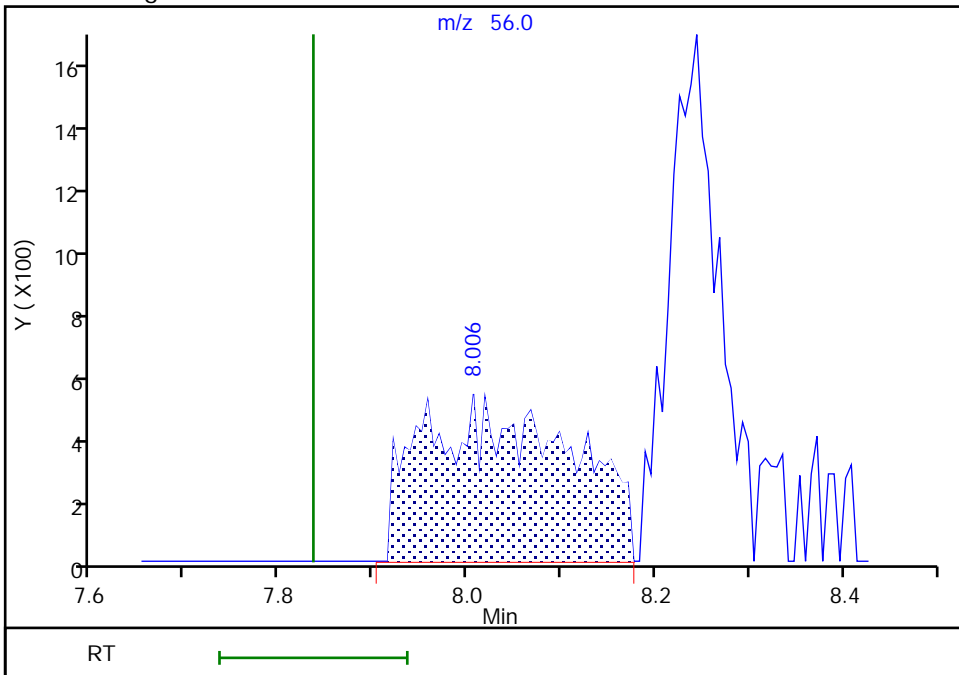
Not Detected
Expected RT: 7.84

Processing Integration Results



Manual Integration Results

RT: 8.01
Area: 5699
Amount: 9.407838
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:48:49 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

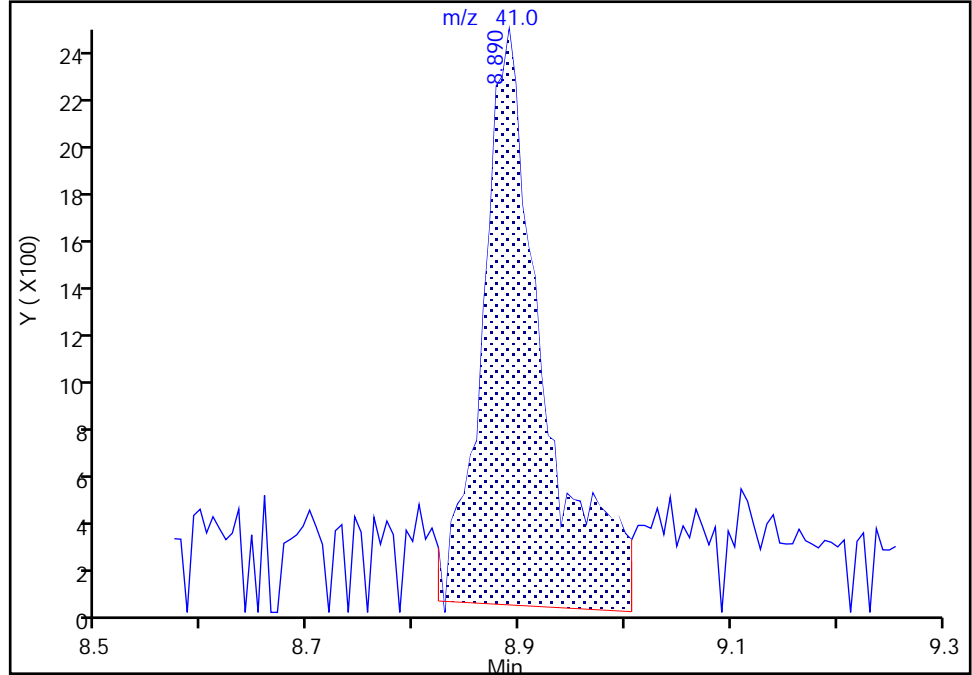
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X12.D
 Injection Date: 19-Jun-2023 18:19:30 Instrument ID: 19930
 Lims ID: IC std1
 Client ID:
 Operator ID: KNK41612 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
 Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

72 2-Nitropropane, CAS: 79-46-9

Signal: 1

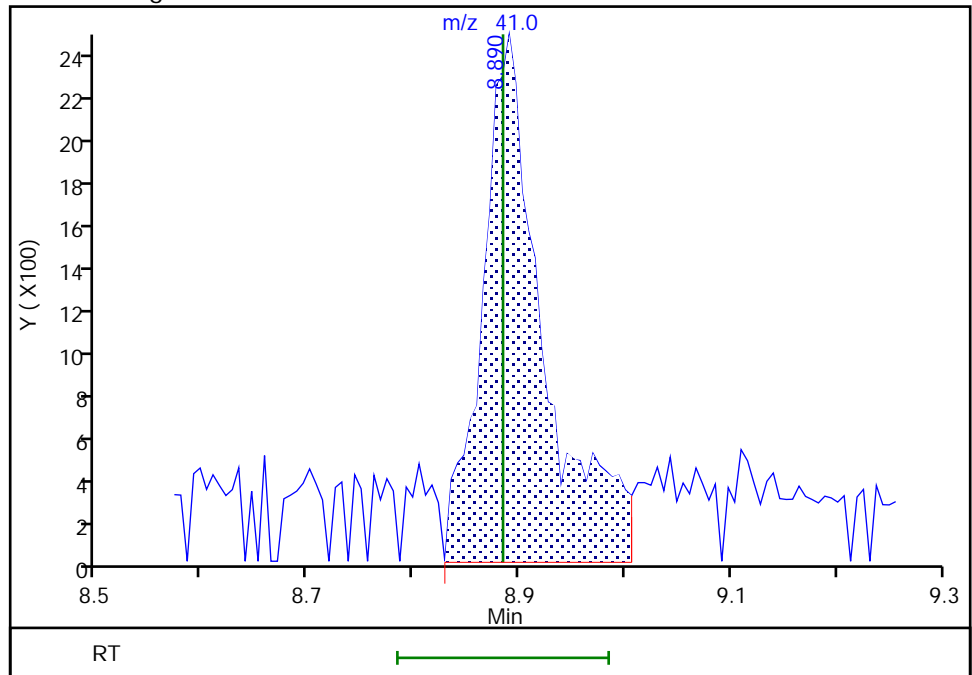
RT: 8.89
 Area: 9510
 Amount: 1.267713
 Amount Units: ug/l

Processing Integration Results



RT: 8.89
 Area: 9668
 Amount: 1.336820
 Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:49:40 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

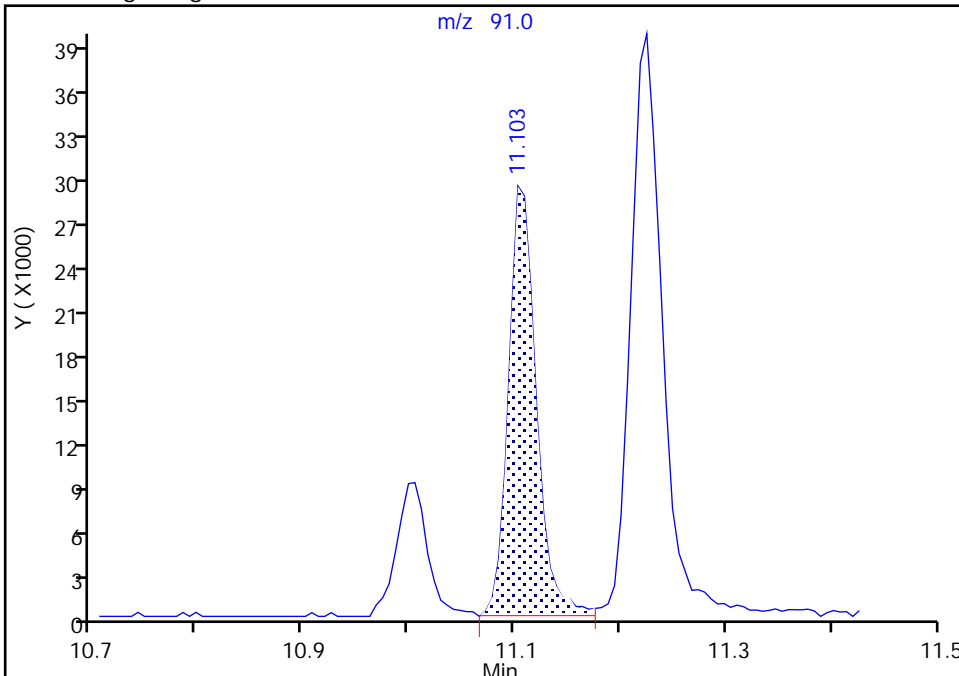
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X12.D
Injection Date: 19-Jun-2023 18:19:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: KNK41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

108 1-Chlorohexane, CAS: 544-10-5

Signal: 1

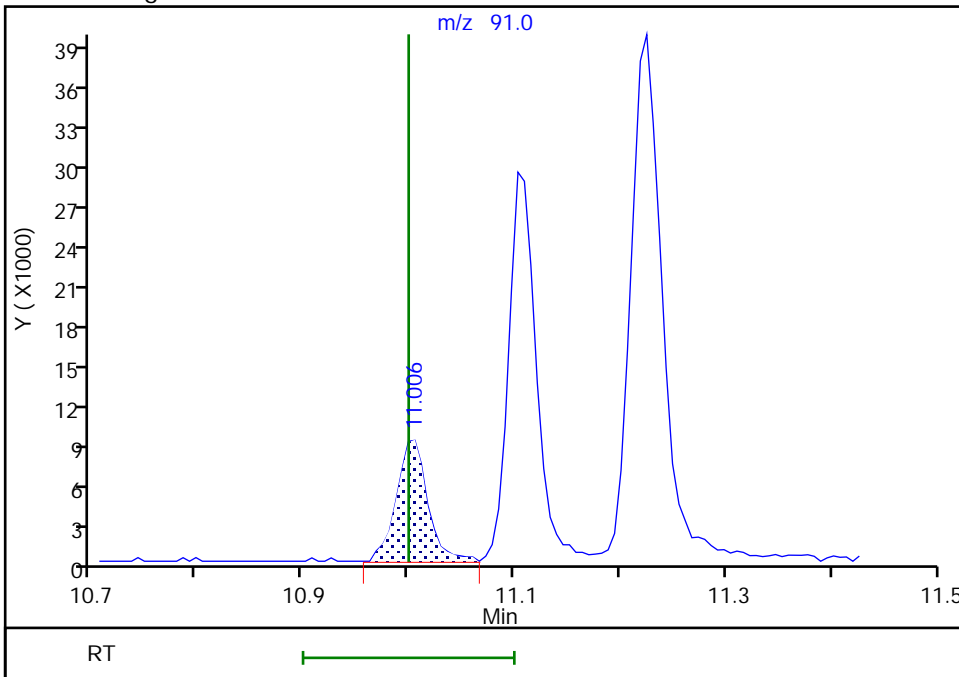
RT: 11.10
Area: 53589
Amount: 0.191518
Amount Units: ug/l

Processing Integration Results



RT: 11.01
Area: 18652
Amount: 0.223351
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 22-Jun-2023 07:47:06 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

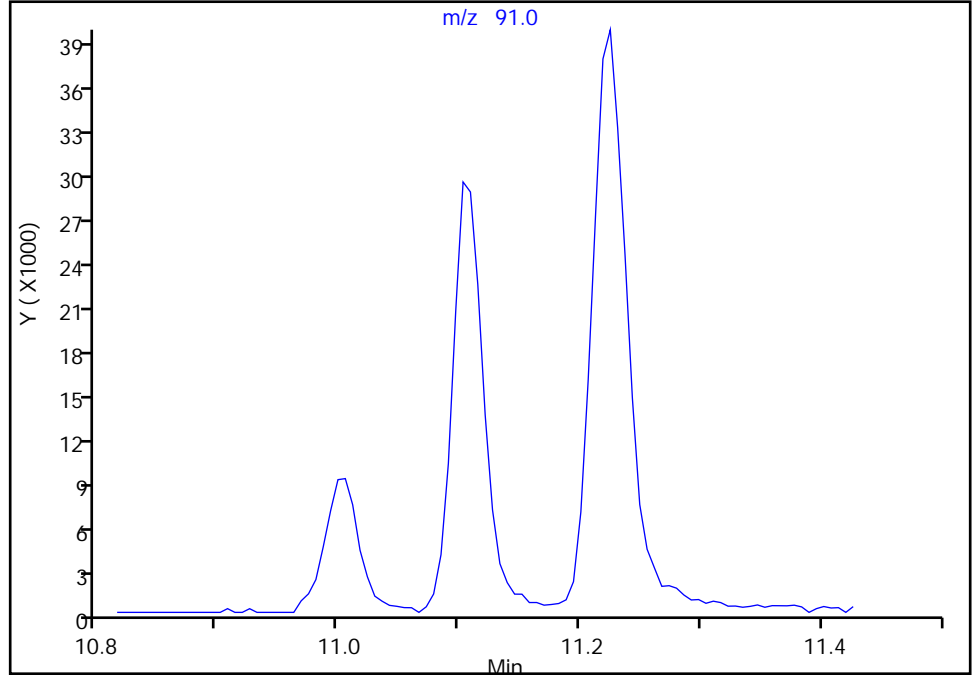
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X12.D
Injection Date: 19-Jun-2023 18:19:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: KNK41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

112 Ethylbenzene, CAS: 100-41-4

Signal: 1

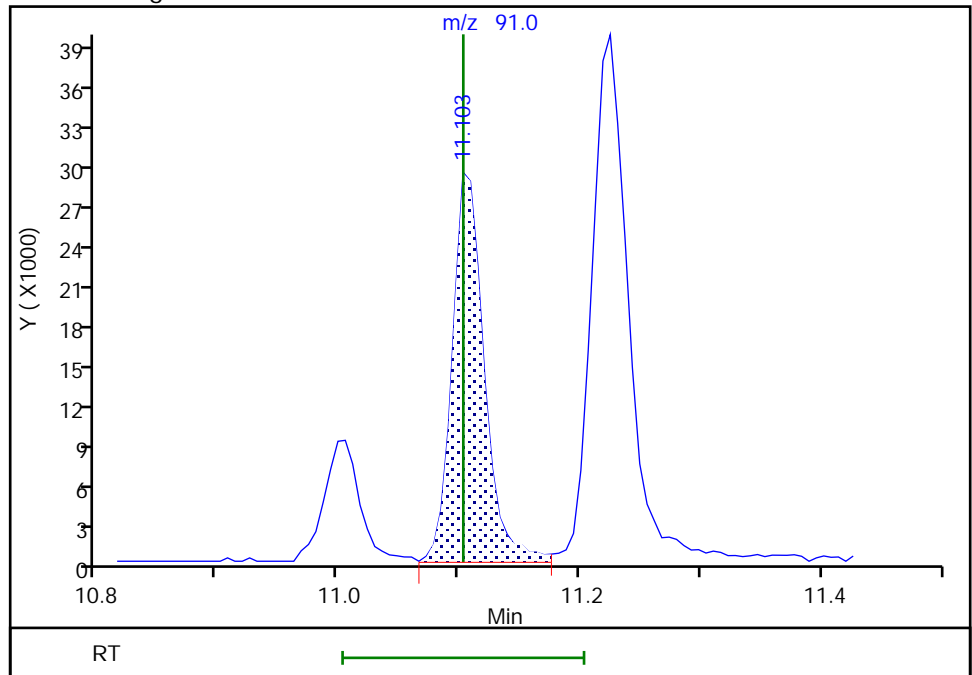
Not Detected
Expected RT: 11.10

Processing Integration Results



Manual Integration Results

RT: 11.10
Area: 53589
Amount: 0.191630
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 15:33:35 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

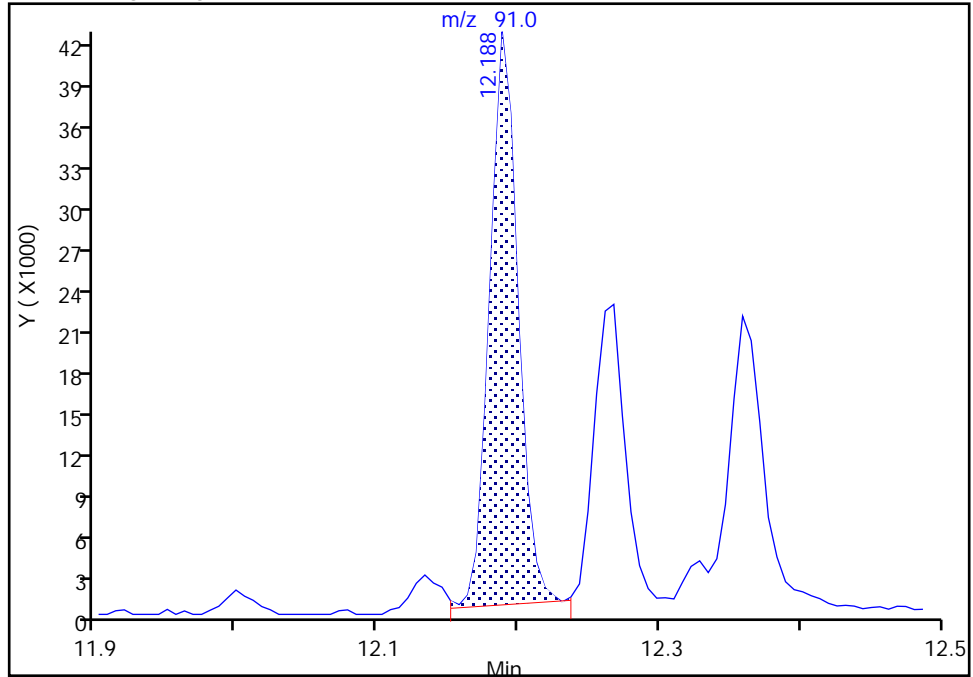
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X12.D
Injection Date: 19-Jun-2023 18:19:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: KNK41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

125 N-Propylbenzene, CAS: 103-65-1

Signal: 1

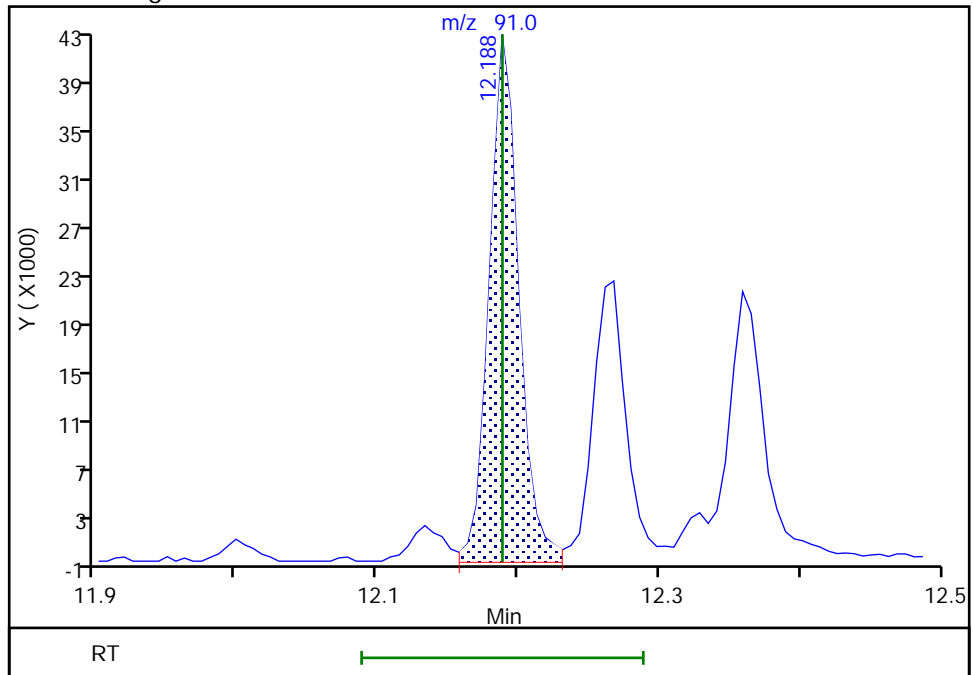
RT: 12.19
Area: 58930
Amount: 0.204912
Amount Units: ug/l

Processing Integration Results



RT: 12.19
Area: 62107
Amount: 0.187851
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:50:50 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

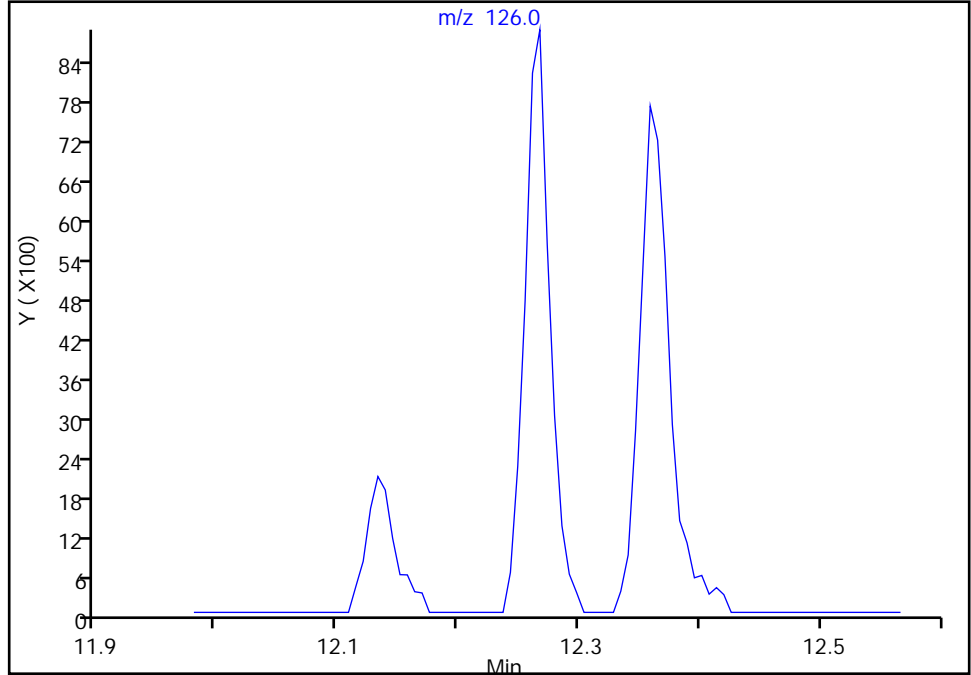
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X12.D
Injection Date: 19-Jun-2023 18:19:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: KNK41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

126 2-Chlorotoluene, CAS: 95-49-8

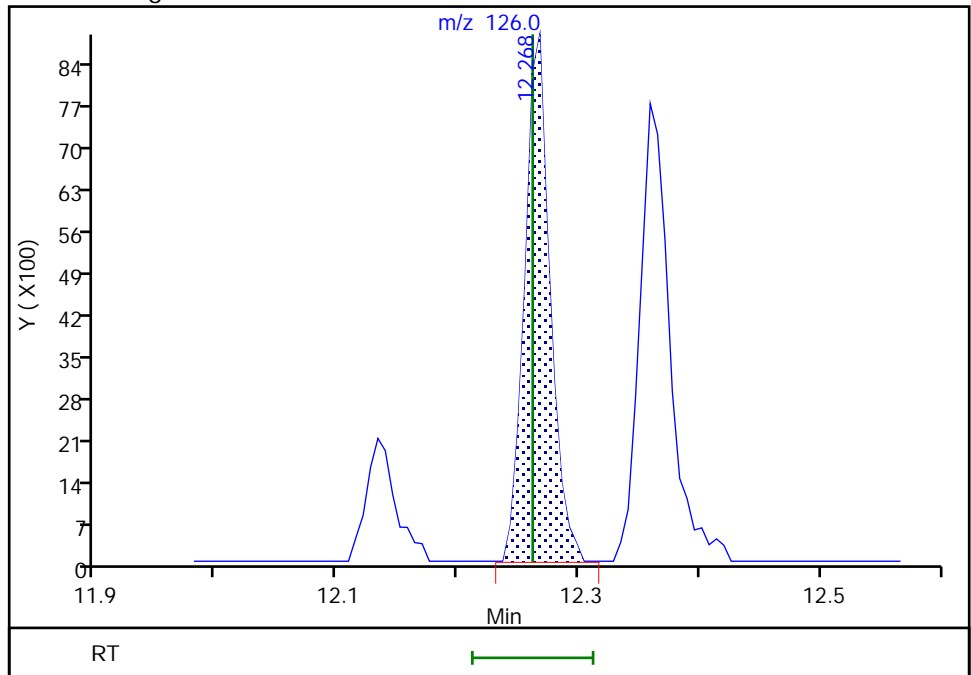
Signal: 1

Not Detected
Expected RT: 12.26

Processing Integration Results



Manual Integration Results



RT: 12.27
Area: 12989
Amount: 0.179881
Amount Units: ug/l

Reviewer: DVW2, 21-Jun-2023 15:33:41 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

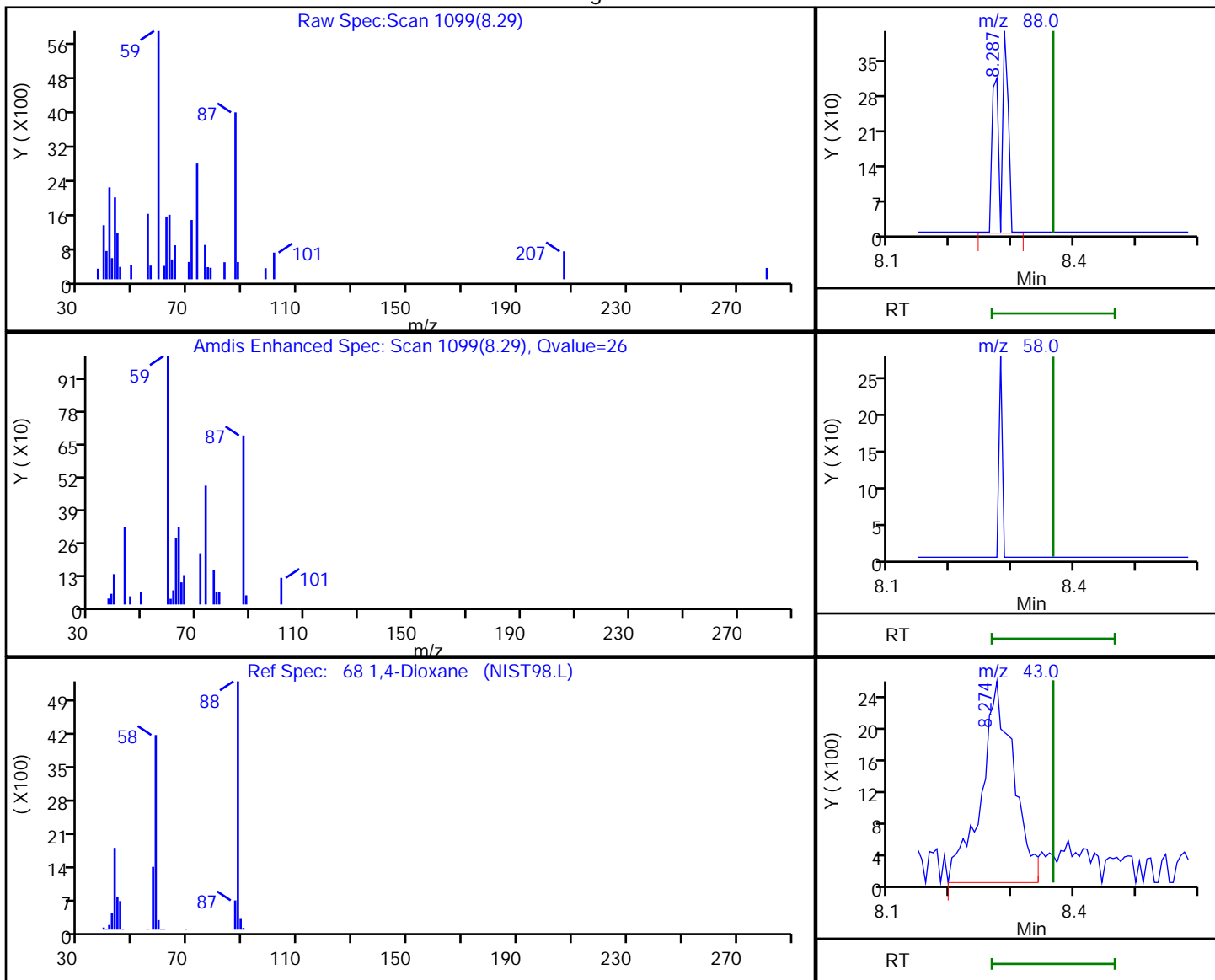
Audit Reason: Incomplete Integration

Euofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X12.D
 Injection Date: 19-Jun-2023 18:19:30 Instrument ID: 19930
 Lims ID: IC std1
 Client ID:
 Operator ID: KNK41612 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

68 1,4-Dioxane, CAS: 123-91-1

Processing Results



RT	Mass	Response	Amount
8.29	88.00	468	4.950139
8.37	58.00	0	
8.27	43.00	9532	

Reviewer: DVW2, 21-Jun-2023 07:49:15 -04:00:00 (UTC)

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\19930\20230619-86929.b\IU19X13.D
 Lims ID: IC std2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 19-Jun-2023 18:40:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086929-014
 Misc. Info.: LG 0.5
 Operator ID: KNK41612 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub2

Method: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Jun-2023 12:30:09 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1687

First Level Reviewer: DVW2

Date: 20-Jun-2023 10:43:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.861	1.855	0.006	99	34723	0.5000	0.4944	M
4 Chloromethane	50	2.038	2.050	-0.012	99	38309	0.5000	0.5369	
5 Vinyl chloride	62	2.148	2.160	-0.012	71	34833	0.5000	0.5103	
6 Butadiene	39	2.154	2.160	-0.006	92	40081	0.5000	0.5611	M
7 Bromomethane	94	2.459	2.465	-0.007	90	29277	0.5000	0.5494	
8 Chloroethane	64	2.538	2.538	0.000	99	22289	0.5000	0.5457	
9 Dichlorofluoromethane	67	2.757	2.764	-0.007	97	62910	0.5000	0.5519	M
10 Trichlorofluoromethane	101	2.824	2.824	0.000	94	43553	0.5000	0.5011	
11 Ethyl ether	59	3.038	3.050	-0.012	88	18739	0.5001	0.5223	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.111	3.142	-0.031	89	32387	0.5000	0.5225	
14 Acrolein	56	3.202	3.209	-0.007	99	142596	25.0	24.9	
15 1,1-Dichloroethene	96	3.330	3.337	-0.007	97	24450	0.5000	0.5198	
16 Acetone	43	3.373	3.361	0.012	97	35188	5.00	5.56	M
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.373	3.385	-0.012	89	24980	0.5000	0.5003	
18 Iodomethane	142	3.513	3.526	-0.013	99	51051	0.5000	0.5161	
19 Ethyl bromide	108	3.538	3.550	-0.012	98	21495	0.4995	0.5221	
20 Carbon disulfide	76	3.617	3.629	-0.012	99	66169	0.5000	0.5187	
23 Methyl acetate	43	3.769	3.757	0.012	24	8217	0.5000	0.5258	M
24 3-Chloro-1-propene	41	3.775	3.782	-0.007	91	37534	0.5000	0.5134	
25 Methylene Chloride	84	3.946	3.958	-0.012	87	26705	0.5000	0.5377	
* 26 t-Butyl alcohol-d10 (IS)	65	3.983	4.025	-0.042	92	132398	50.0	50.0	M
27 2-Methyl-2-propanol	59	4.092	4.093	-0.001	95	27747	10.0	11.0	
28 Acrylonitrile	53	4.300	4.282	0.018	91	9924	1.25	1.29	
29 Methyl tert-butyl ether	73	4.330	4.342	-0.012	94	67798	0.5000	0.5252	
30 trans-1,2-Dichloroethene	96	4.354	4.355	-0.001	97	27769	0.5000	0.5304	
31 Hexane	57	4.775	4.781	-0.006	95	33162	0.5000	0.4833	
32 1,1-Dichloroethane	63	5.013	5.013	0.000	96	46514	0.5000	0.5186	
35 Isopropyl ether	45	5.068	5.074	-0.006	93	77884	0.5000	0.5288	
36 2-Chloro-1,3-butadiene	53	5.123	5.123	0.000	90	38162	0.5000	0.5089	
37 Tert-butyl ethyl ether	59	5.604	5.623	-0.019	97	73536	0.5000	0.5227	

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	5.824	5.812	0.012	99	58914	5.00	4.83	
39 cis-1,2-Dichloroethene	96	5.854	5.854	0.000	79	31280	0.5000	0.5371	
40 2,2-Dichloropropane	77	5.860	5.867	-0.007	73	41944	0.5000	0.5190	
43 Propionitrile	54	5.909	5.891	0.018	95	31714	10.0	9.83	
45 Methacrylonitrile	67	6.116	6.110	0.006	91	63442	5.00	4.98	
S 41 1,2-Dichloroethene, Total	100				0			1.07	
46 Chlorobromomethane	128	6.183	6.190	-0.007	88	14176	0.5000	0.5350	
47 Tetrahydrofuran	71	6.208	6.196	0.012	78	10811	2.50	2.69	
48 Chloroform	83	6.342	6.342	0.000	93	48008	0.5000	0.5182	
\$ 49 Dibromofluoromethane (Surr)	113	6.549	6.555	-0.006	95	452360	10.0	10.0	
50 1,1,1-Trichloroethane	97	6.567	6.568	-0.001	96	44606	0.5000	0.5156	
51 Cyclohexane	56	6.659	6.671	-0.012	89	40898	0.5000	0.4988	
54 Carbon tetrachloride	117	6.775	6.781	-0.006	96	38435	0.5000	0.4987	
53 1,1-Dichloropropene	75	6.775	6.781	-0.006	95	35524	0.5000	0.5157	
55 Isobutyl alcohol	41	6.952	6.940	0.012	90	24811	25.0	27.7	M
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.006	7.013	-0.007	65	89414	10.0	10.0	
57 Benzene	78	7.037	7.043	-0.006	92	107059	0.5000	0.5169	
58 1,2-Dichloroethane	62	7.110	7.116	-0.006	96	29283	0.5000	0.5216	
60 Tert-amyl methyl ether	73	7.232	7.244	-0.012	98	68913	0.5000	0.5300	
* 61 Fluorobenzene (IS)	96	7.445	7.445	0.000	99	1753956	10.0	10.0	
62 n-Heptane	43	7.464	7.470	-0.006	37	30853	0.5000	0.4683	
63 n-Butanol	56	7.866	7.836	0.030	87	25327	43.8	36.8	
64 Trichloroethene	95	7.933	7.933	0.000	96	30455	0.5000	0.5286	
65 Methylcyclohexane	83	8.244	8.244	0.000	90	45980	0.5000	0.4940	
66 1,2-Dichloropropane	63	8.268	8.269	-0.001	95	26965	0.5000	0.5266	
67 Methyl methacrylate	69	8.366	8.354	0.012	76	11677	0.5000	0.4653	
68 1,4-Dioxane	88	8.372	8.366	0.006	31	1097	25.0	7.51	
69 Dibromomethane	93	8.378	8.378	0.000	90	13482	0.5000	0.5253	
71 Dichlorobromomethane	83	8.610	8.616	-0.006	99	34054	0.5000	0.5117	
72 2-Nitropropane	41	8.884	8.884	0.000	96	19831	2.50	2.42	
75 1-Bromo-2-chloroethane	63	9.018	9.012	0.006	98	26799	0.5000	0.5133	
76 cis-1,3-Dichloropropene	75	9.183	9.177	0.006	96	40532	0.5000	0.5075	
77 4-Methyl-2-pentanone (MIBK)	43	9.360	9.360	0.000	95	162172	5.00	4.95	
\$ 78 Toluene-d8 (Surr)	98	9.494	9.500	-0.006	93	1785023	10.0	10.1	
79 Toluene	92	9.579	9.579	0.000	99	73122	0.5000	0.5221	
97 trans-1,3-Dichloropropene	75	9.847	9.848	-0.001	91	34150	0.5000	0.5165	
99 Ethyl methacrylate	69	9.920	9.915	0.005	90	28243	0.5000	0.5167	
100 1,1,2-Trichloroethane	97	10.055	10.055	0.000	90	21292	0.5000	0.5387	
S 98 1,3-Dichloropropene, Total	100				0			1.02	
101 Tetrachloroethene	166	10.146	10.146	0.000	98	37751	0.5000	0.5167	
102 1,3-Dichloropropane	76	10.219	10.219	0.000	88	32993	0.5000	0.5274	
103 2-Hexanone	43	10.280	10.274	0.006	96	109004	5.00	4.70	
105 Chlorodibromomethane	129	10.439	10.439	0.000	91	25969	0.5000	0.5046	
106 Ethylene Dibromide	107	10.554	10.549	0.005	98	18815	0.5000	0.5045	
* 107 Chlorobenzene-d5 (IS)	117	10.987	10.987	0.000	84	1381168	10.0	10.0	
108 1-Chlorohexane	91	11.006	11.000	0.006	95	42354	0.5000	0.5196	a
109 Chlorobenzene	112	11.018	11.018	0.000	97	85778	0.5000	0.5234	
111 1,1,1,2-Tetrachloroethane	131	11.097	11.097	0.000	95	30129	0.5000	0.5159	
112 Ethylbenzene	91	11.103	11.103	0.000	98	143495	0.5000	0.5257	a
113 m-Xylene & p-Xylene	106	11.225	11.219	0.006	93	115867	1.00	1.05	
S 110 Xylenes, Total	106				0			1.57	
114 o-Xylene	106	11.554	11.554	0.000	95	57211	0.5000	0.5243	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
115 Styrene	104	11.573	11.567	0.006	94	90765	0.5000	0.5170	
116 Bromoform	173	11.731	11.725	0.006	97	16371	0.5000	0.4904	
117 Isopropylbenzene	105	11.859	11.859	0.000	95	146958	0.5000	0.5193	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.999	12.000	-0.001	96	670589	10.0	10.0	
121 1,1,2,2-Tetrachloroethane	83	12.103	12.103	0.000	94	26384	0.5000	0.5309	
122 Bromobenzene	156	12.115	12.115	0.000	89	37870	0.5000	0.5273	
123 trans-1,4-Dichloro-2-butene	53	12.133	12.128	0.005	94	60206	5.00	4.88	
124 1,2,3-Trichloropropane	110	12.152	12.146	0.006	79	7469	0.5000	0.5354	
125 N-Propylbenzene	91	12.188	12.189	-0.001	98	163202	0.5000	0.5134	
126 2-Chlorotoluene	126	12.261	12.262	-0.001	98	36985	0.5000	0.5327	a
127 1,3,5-Trimethylbenzene	105	12.322	12.323	-0.001	94	125592	0.5000	0.5183	
128 4-Chlorotoluene	126	12.359	12.353	0.006	96	37661	0.5000	0.5294	
129 tert-Butylbenzene	134	12.566	12.566	0.000	91	30391	0.5000	0.5220	
130 Pentachloroethane	167	12.597	12.597	0.000	78	22167	0.5000	0.4923	
131 1,2,4-Trimethylbenzene	105	12.609	12.609	0.000	96	129589	0.5000	0.5210	
132 sec-Butylbenzene	105	12.731	12.731	0.000	93	159057	0.5000	0.5162	
133 1,3-Dichlorobenzene	146	12.828	12.829	-0.001	99	71773	0.5000	0.5113	
134 4-Isopropyltoluene	119	12.841	12.841	0.000	97	137662	0.5000	0.5011	
* 135 1,4-Dichlorobenzene-d4	152	12.883	12.883	0.000	93	834938	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.902	12.902	0.000	96	73356	0.5000	0.5302	
137 1,2,3-Trimethylbenzene	120	12.914	12.914	0.000	97	56949	0.5000	0.5065	
138 Benzyl chloride	126	12.981	12.981	0.000	98	10607	0.5000	0.4967	
139 n-Butylbenzene	92	13.133	13.133	0.000	97	61172	0.5000	0.4973	
140 1,2-Dichlorobenzene	146	13.164	13.158	0.006	100	69532	0.5000	0.5273	
142 1,2-Dibromo-3-Chloropropane	155	13.712	13.700	0.012	86	3960	0.5000	0.4875	
143 1,3,5-Trichlorobenzene	180	13.834	13.828	0.006	97	51123	0.5000	0.4856	
144 1,2,4-Trichlorobenzene	180	14.255	14.249	0.006	94	40773	0.5000	0.4814	
145 Hexachlorobutadiene	225	14.334	14.334	0.000	95	19602	0.5000	0.4751	
146 Naphthalene	128	14.432	14.426	0.006	96	77405	0.5000	0.5021	
147 1,2,3-Trichlorobenzene	180	14.572	14.572	0.000	96	33951	0.5000	0.4789	
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_00081	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00093	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00156	Amount Added: 2.00	Units: uL	
MSV_LLcentISS_00007	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X13.D

Injection Date: 19-Jun-2023 18:40:30

Instrument ID: 19930

Operator ID: KNK41612

Lims ID: IC std2

Worklist Smp#: 14

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

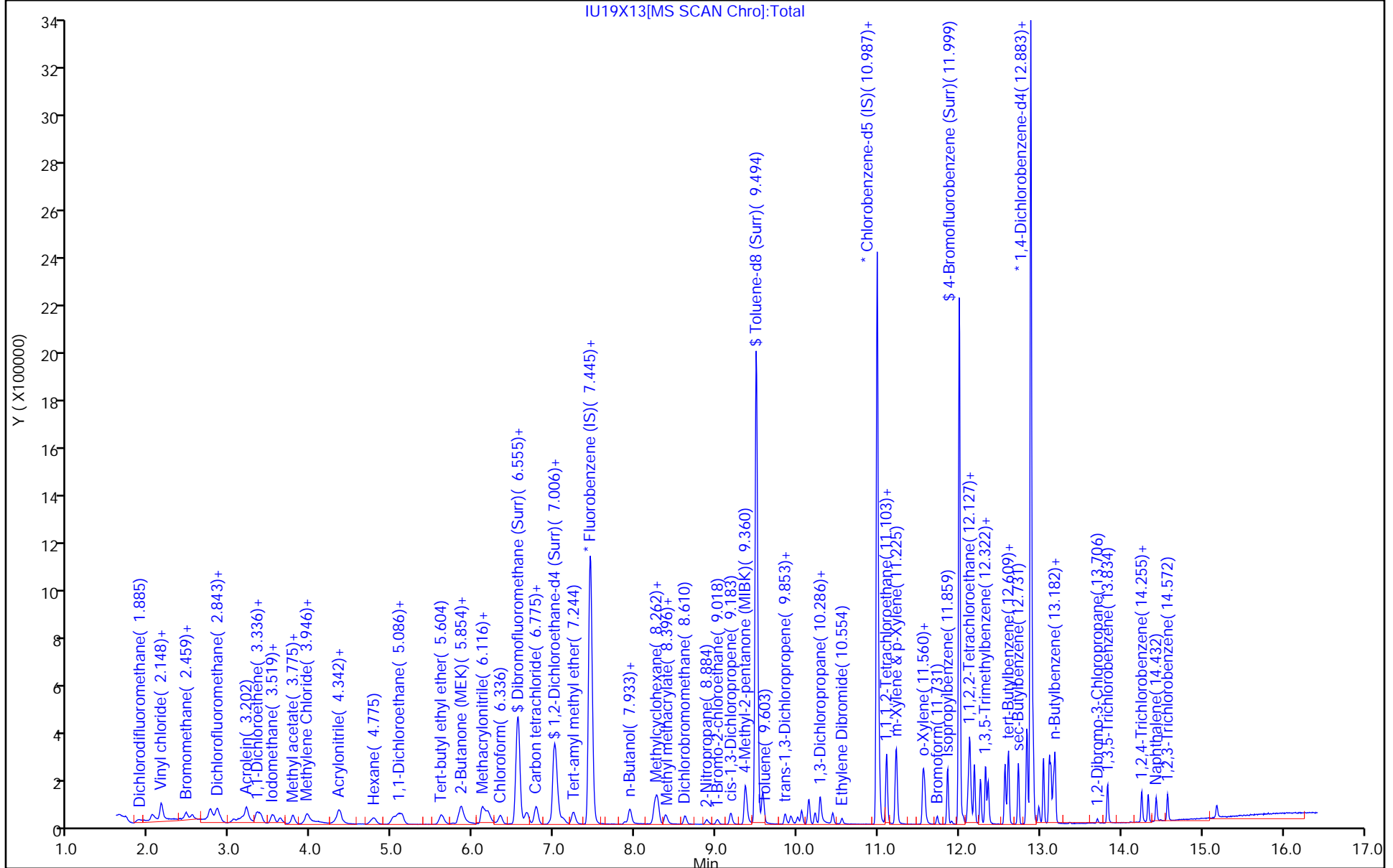
ALS Bottle#: 13

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

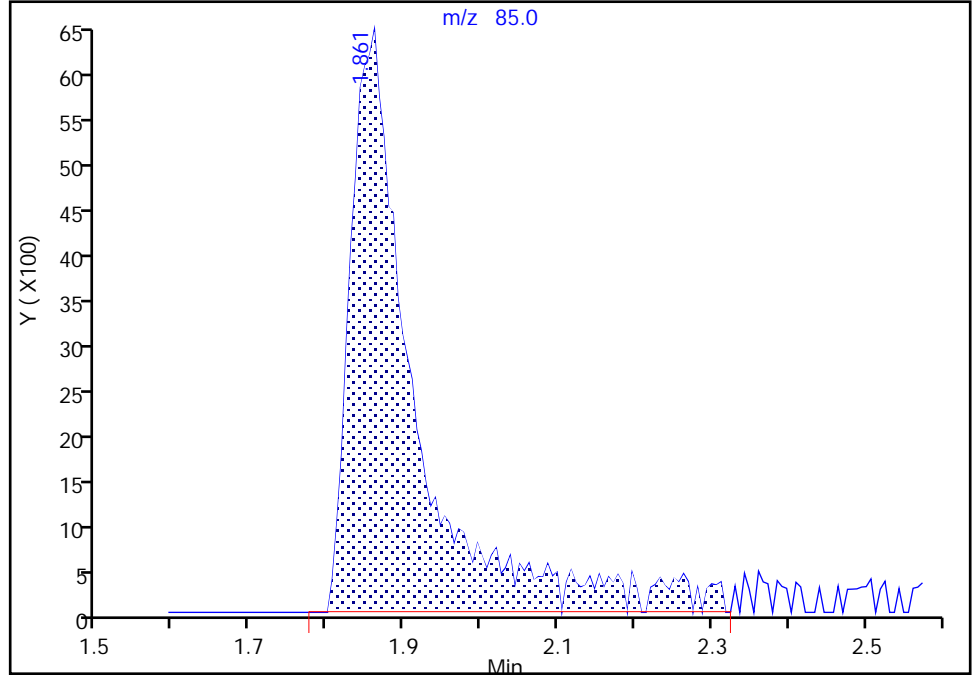
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Injection Date: 19-Jun-2023 18:40:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: KNK41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

1 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

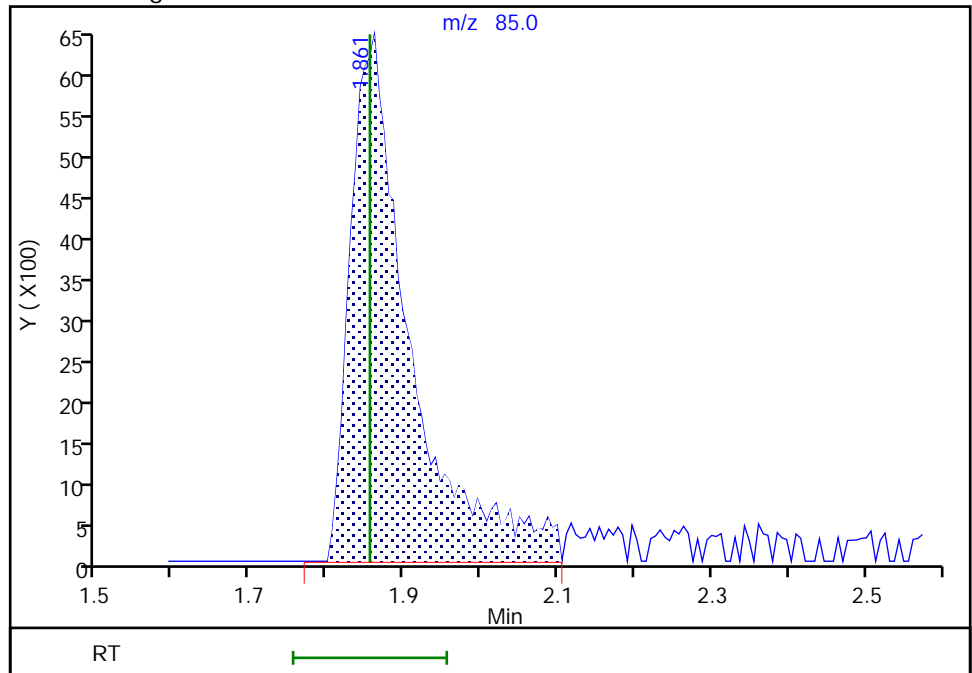
RT: 1.86
Area: 38274
Amount: 0.530355
Amount Units: ug/l

Processing Integration Results



RT: 1.86
Area: 34723
Amount: 0.494421
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:51:45 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

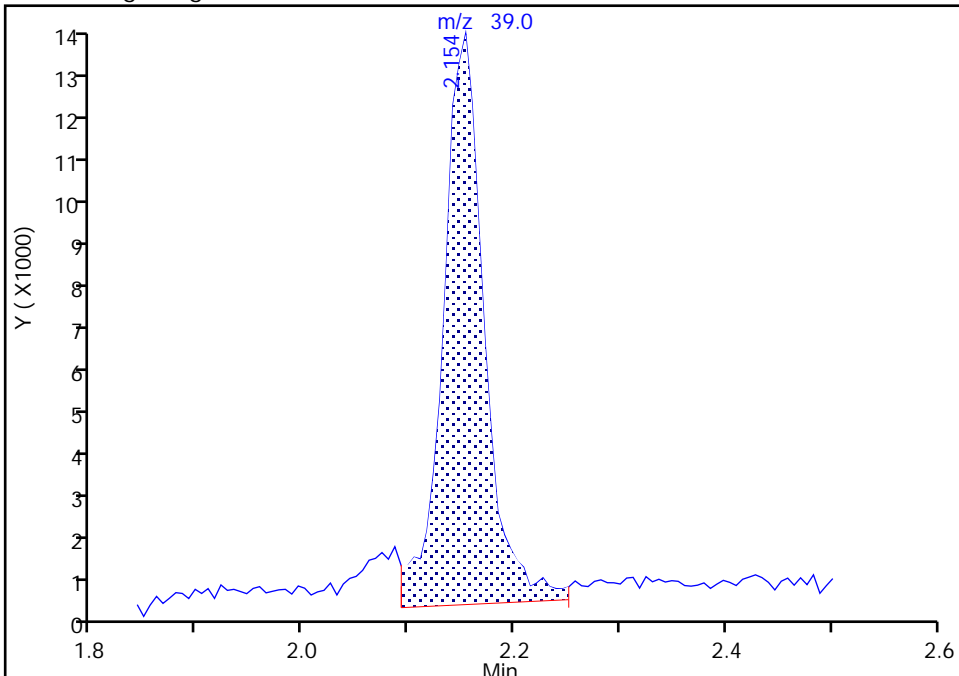
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Injection Date: 19-Jun-2023 18:40:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: KNK41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

6 Butadiene, CAS: 106-99-0

Signal: 1

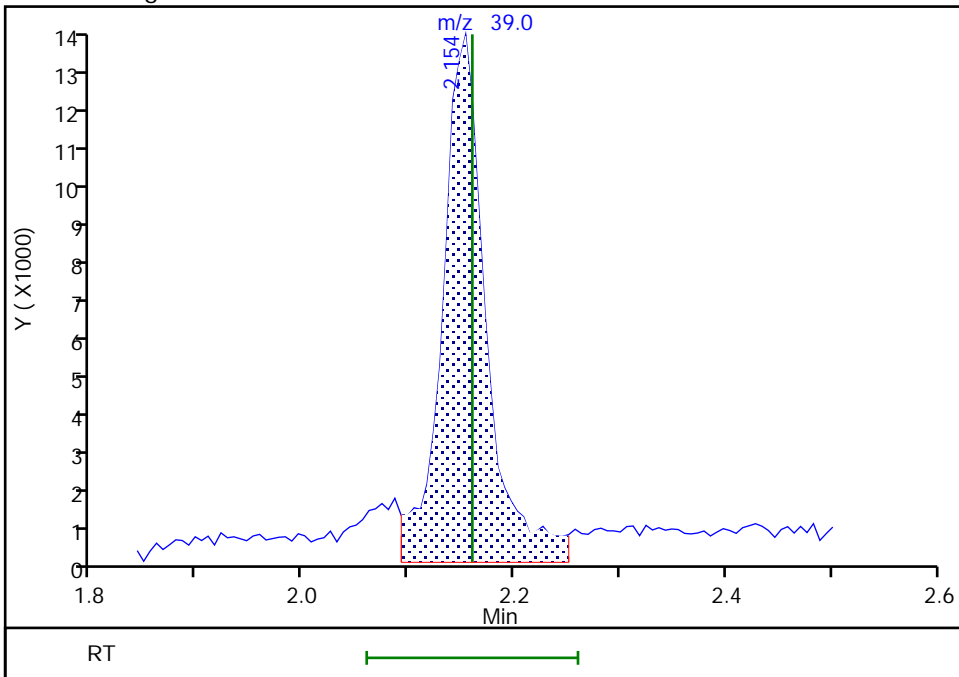
RT: 2.15
Area: 37005
Amount: 0.500365
Amount Units: ug/l

Processing Integration Results



RT: 2.15
Area: 40081
Amount: 0.561114
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:52:00 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

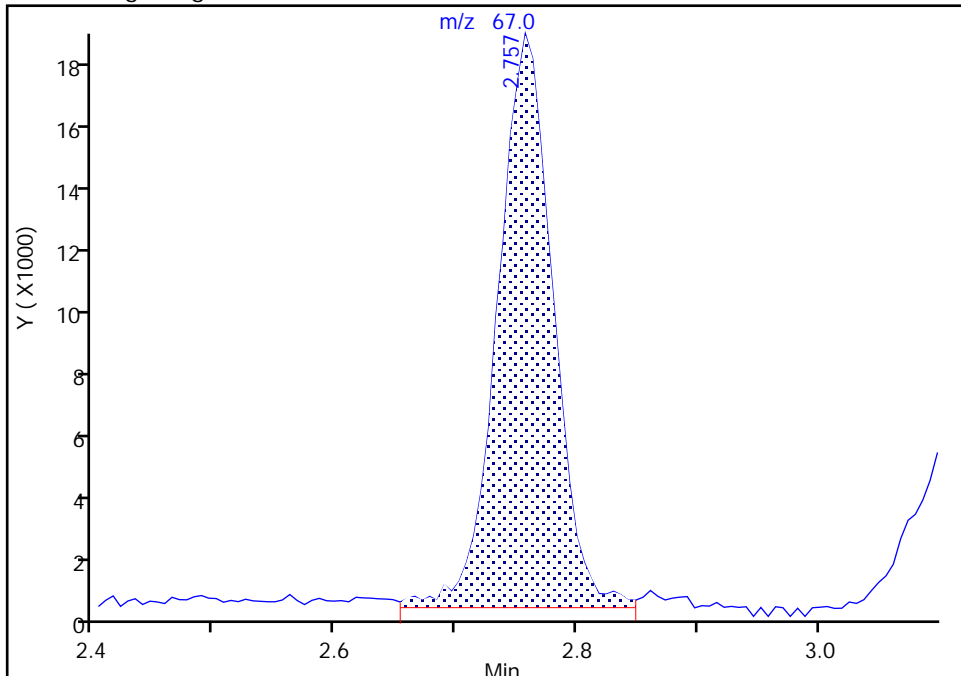
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Injection Date: 19-Jun-2023 18:40:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: KNK41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

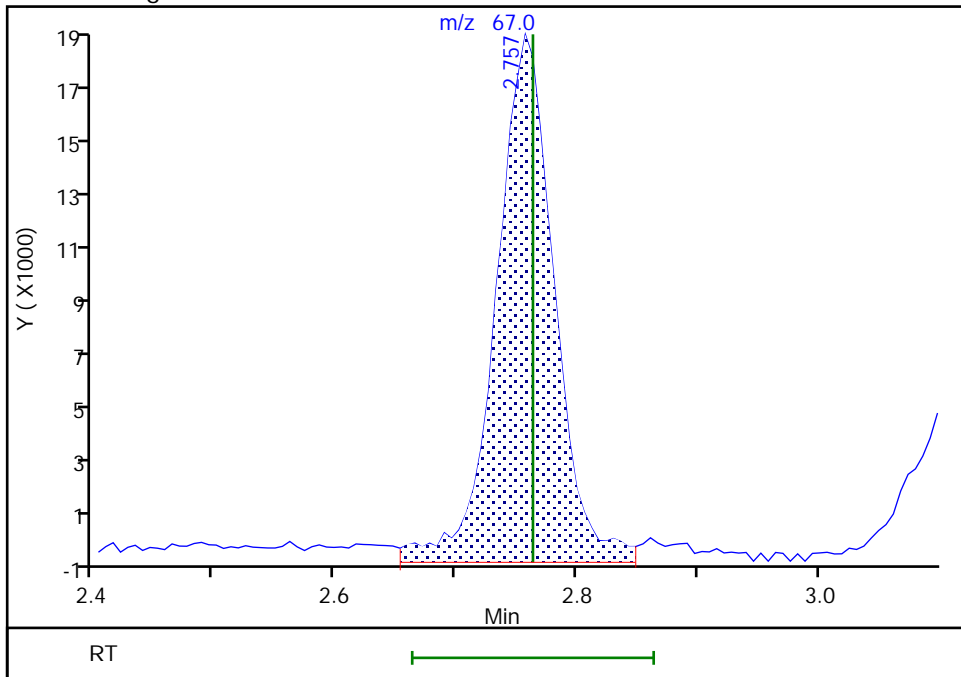
RT: 2.76
Area: 59470
Amount: 0.514445
Amount Units: ug/l

Processing Integration Results



RT: 2.76
Area: 62910
Amount: 0.551864
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:52:13 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

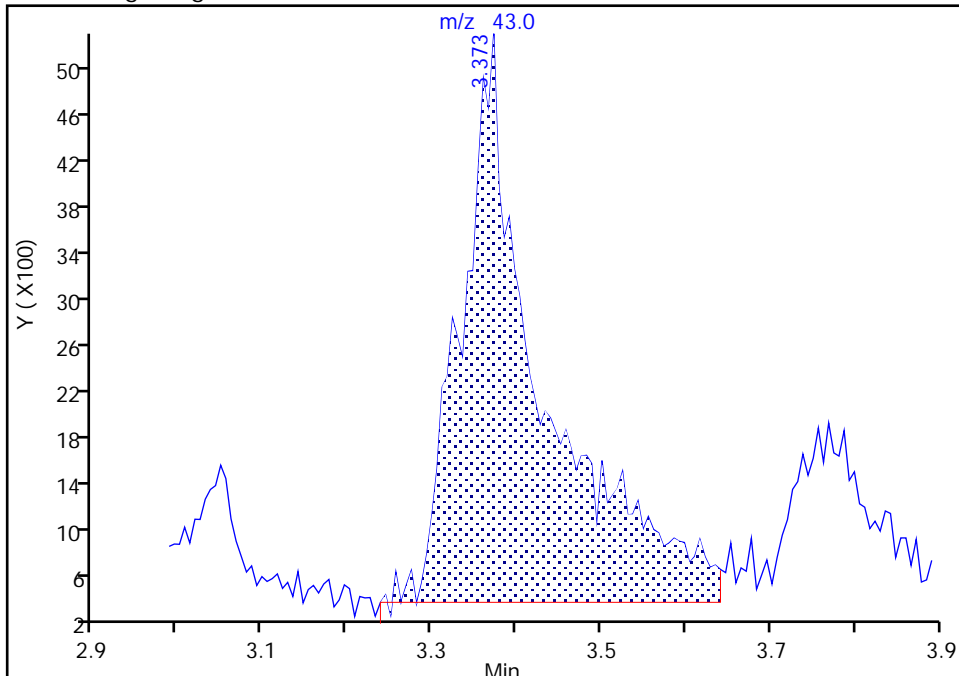
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Injection Date:	19-Jun-2023 18:40:30	Instrument ID:	19930
Lims ID:	IC std2		
Client ID:			
Operator ID:	KNK41612	ALS Bottle#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D
Column:	Rxi-624Sil MS Capillary Column (0.25mm ID)	Detector:	MS Quad
		Worklist Smp#:	14

16 Acetone, CAS: 67-64-1

Signal: 1

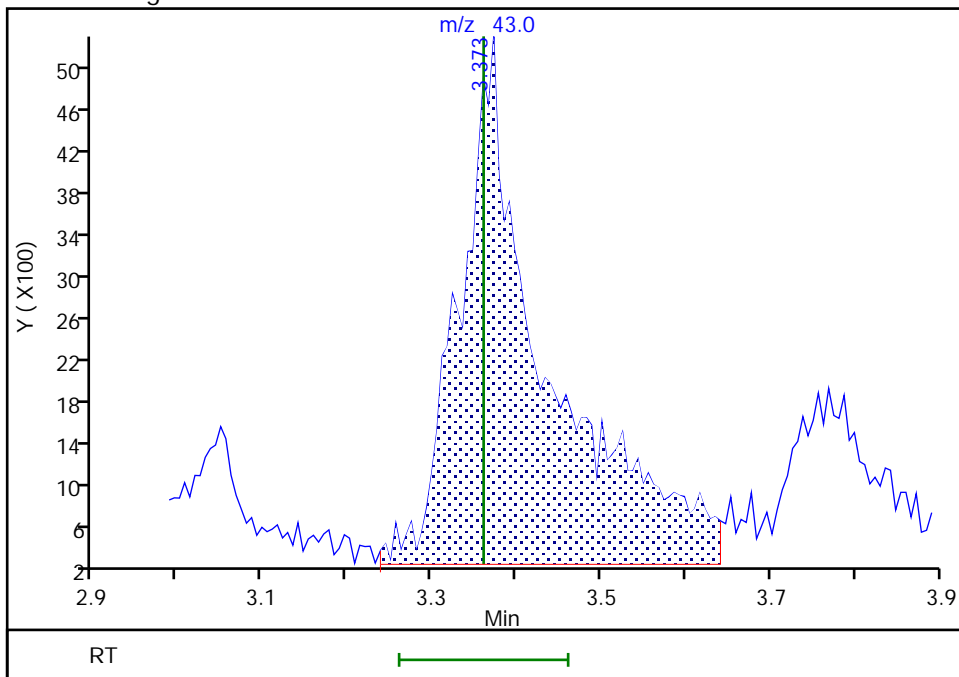
RT: 3.37
 Area: 32296
 Amount: 4.222448
 Amount Units: ug/l

Processing Integration Results



RT: 3.37
 Area: 35188
 Amount: 5.556663
 Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:52:28 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

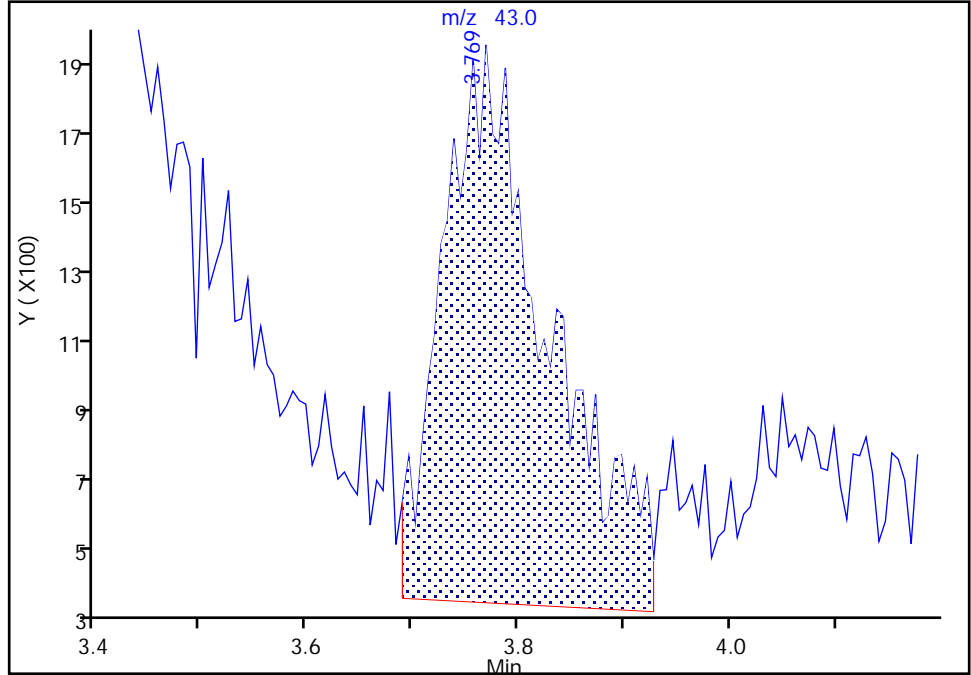
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Injection Date: 19-Jun-2023 18:40:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: KNK41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

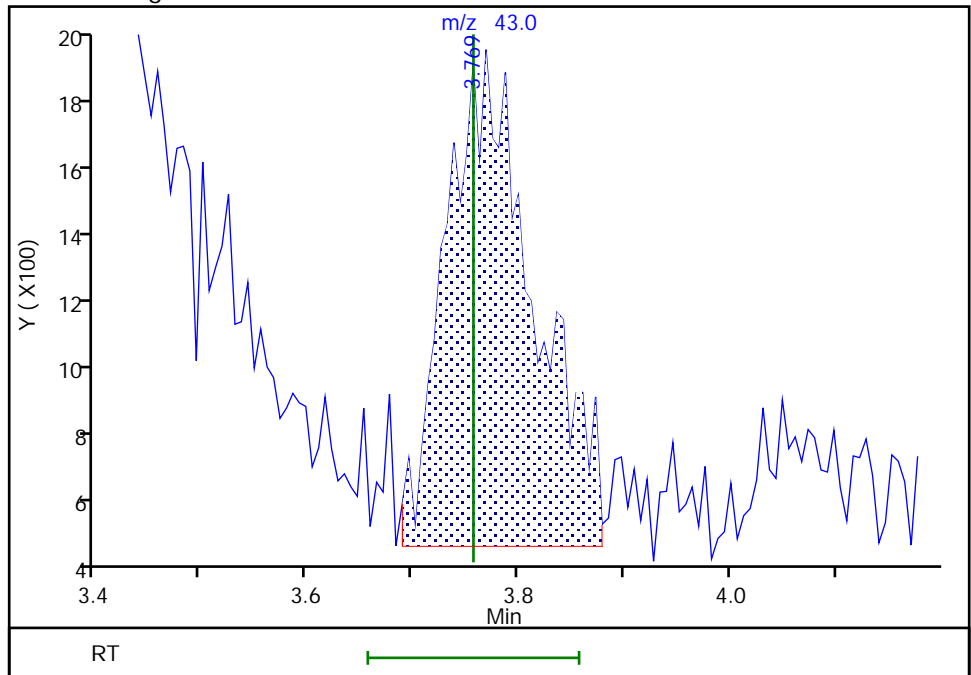
RT: 3.77
Area: 11064
Amount: 0.695352
Amount Units: ug/l

Processing Integration Results



RT: 3.77
Area: 8217
Amount: 0.525783
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:52:48 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

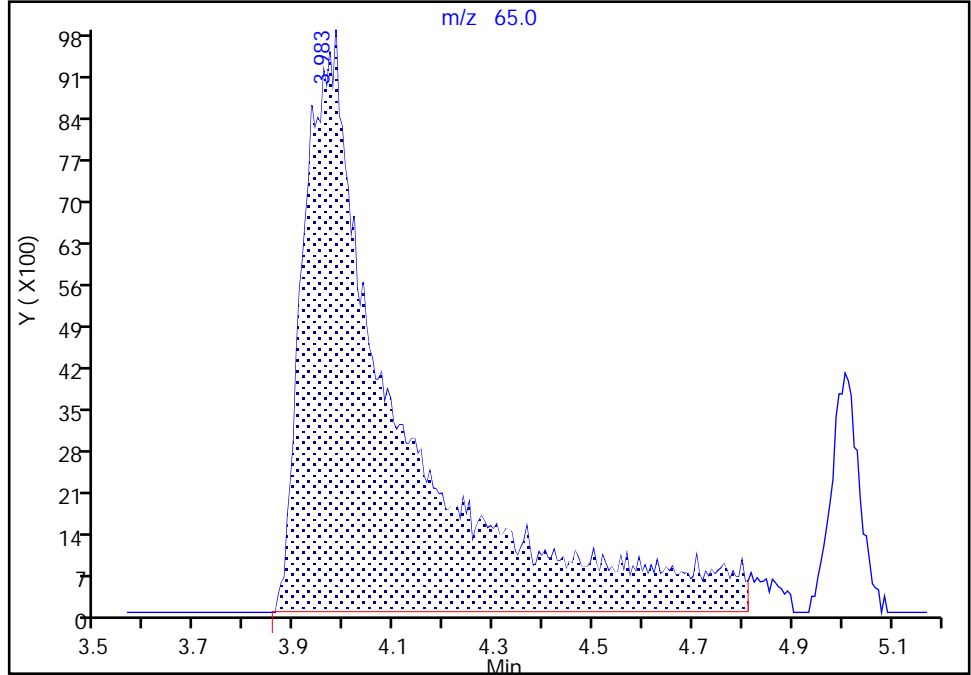
Euofins Lancaster Laboratories Environment Testing, LLC

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Injection Date: 19-Jun-2023 18:40:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: KNK41612 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

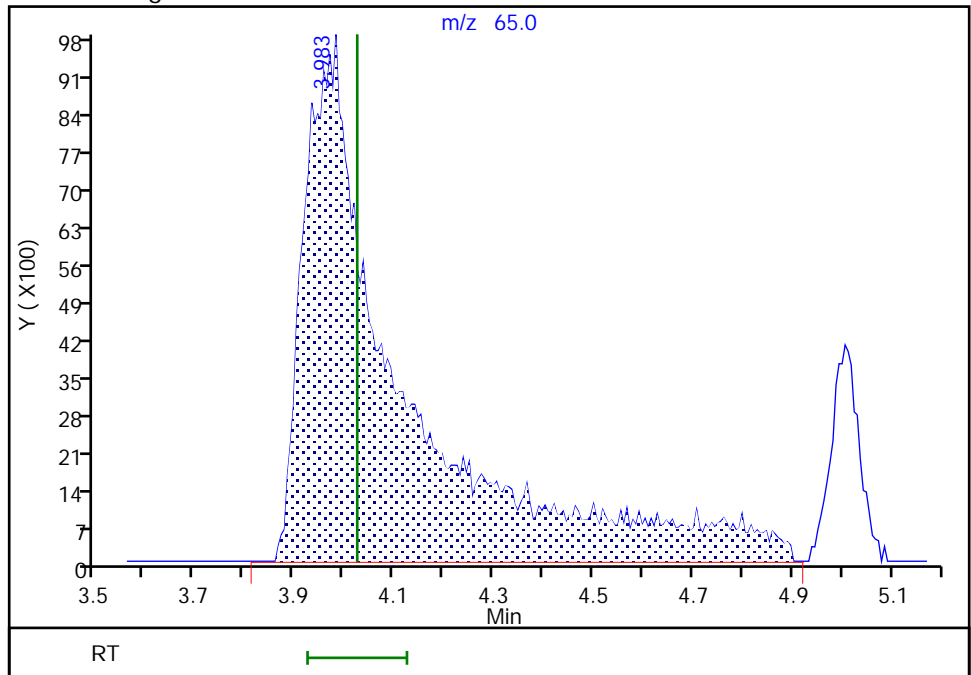
RT: 3.98
Area: 129998
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 3.98
Area: 132398
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:53:02 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

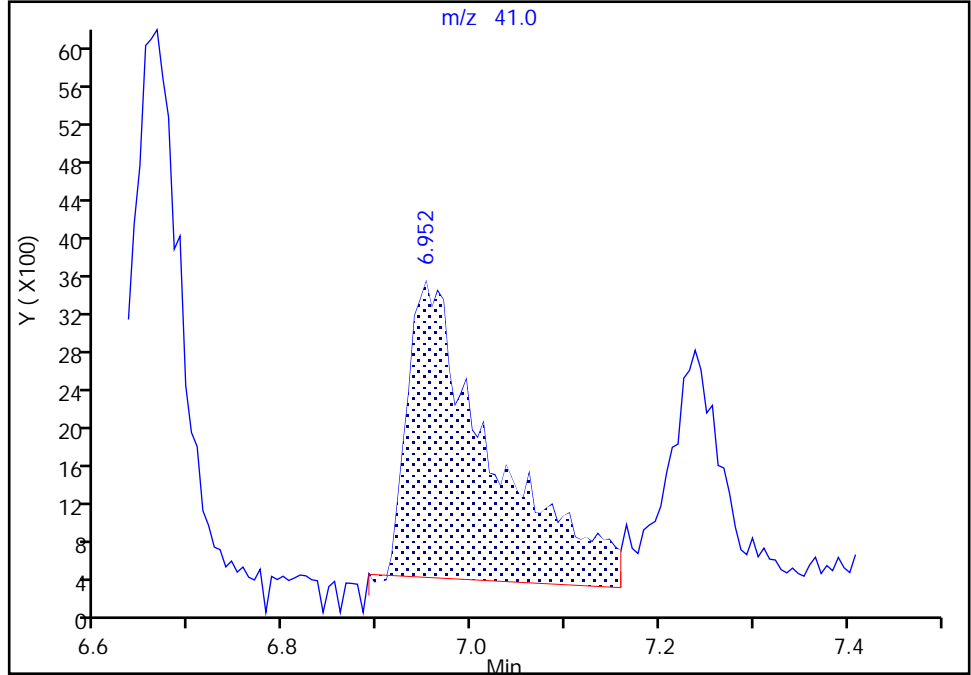
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Injection Date: 19-Jun-2023 18:40:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: KNK41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

55 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

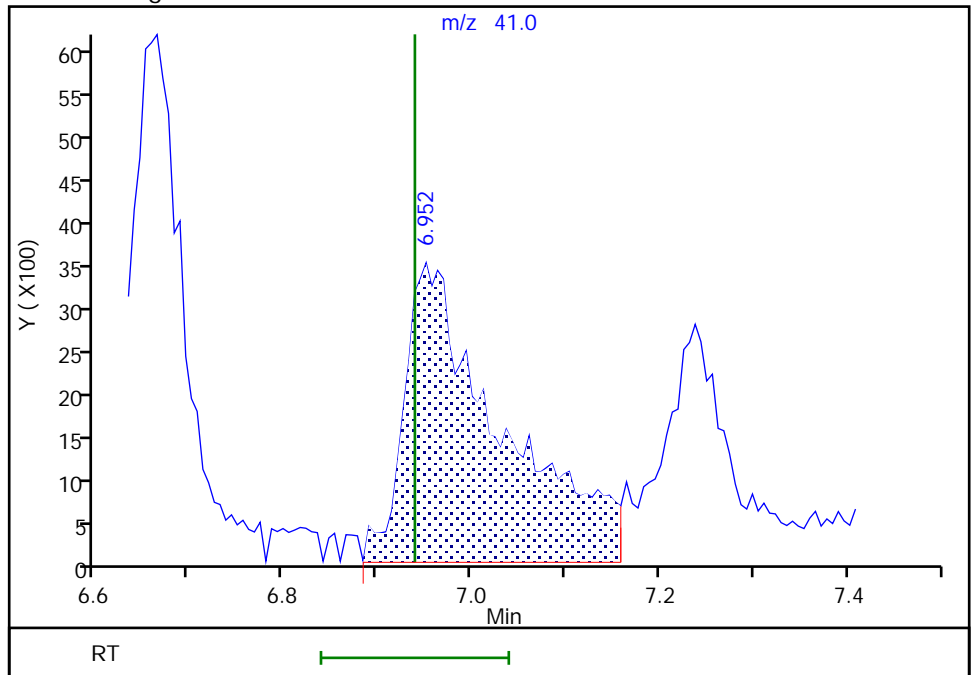
RT: 6.95
Area: 19231
Amount: 21.730300
Amount Units: ug/l

Processing Integration Results



RT: 6.95
Area: 24811
Amount: 27.724861
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:53:30 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

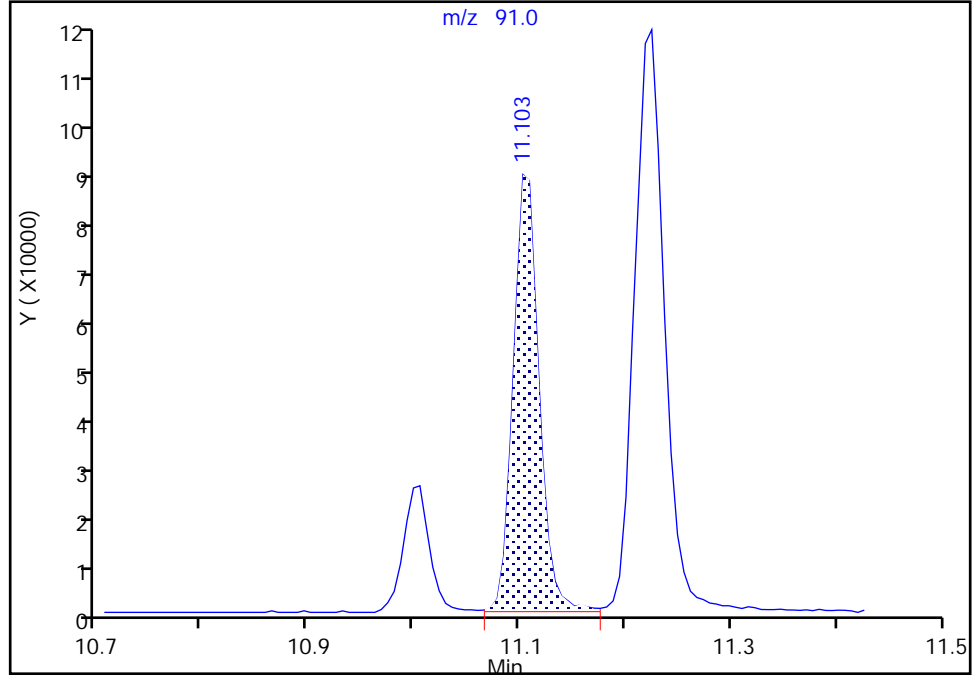
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Injection Date: 19-Jun-2023 18:40:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: KNK41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

108 1-Chlorohexane, CAS: 544-10-5

Signal: 1

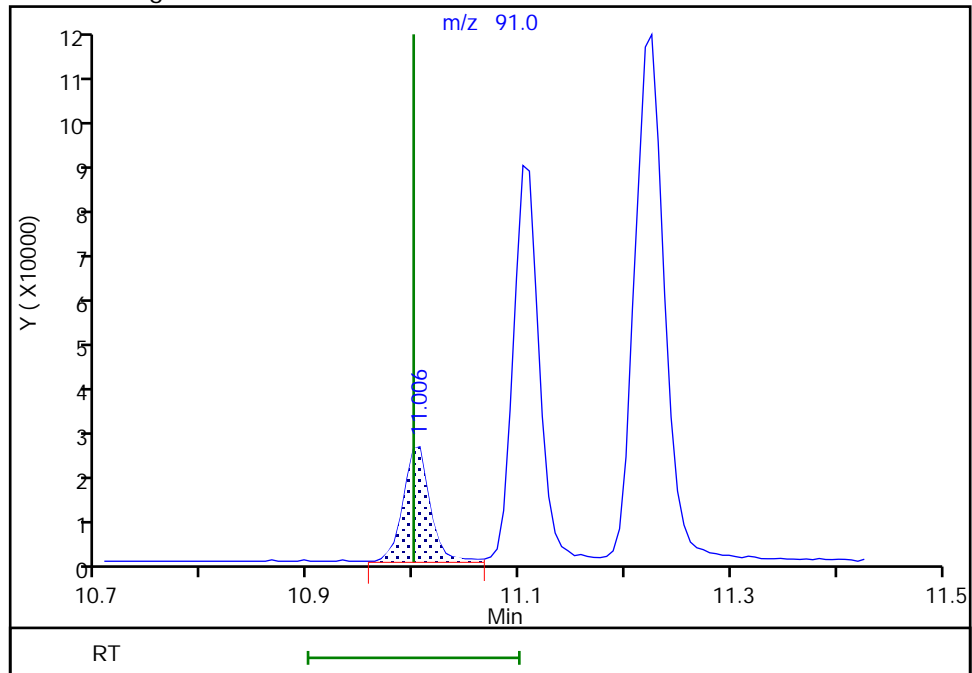
RT: 11.10
Area: 143495
Amount: 0.598385
Amount Units: ug/l

Processing Integration Results



RT: 11.01
Area: 42354
Amount: 0.519576
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 22-Jun-2023 07:47:29 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

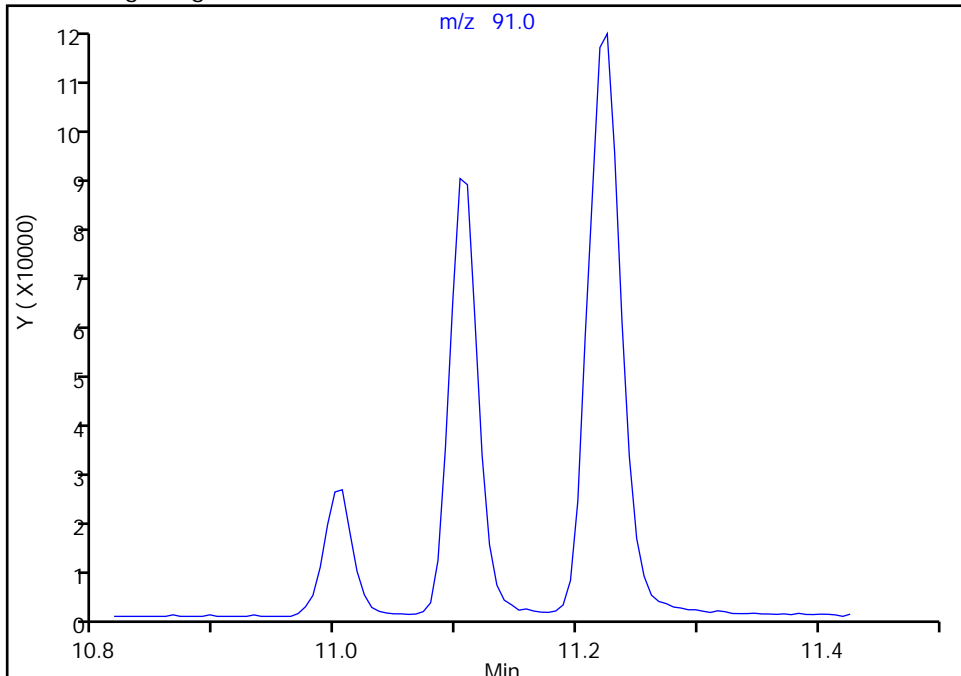
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Injection Date: 19-Jun-2023 18:40:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: KNK41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

112 Ethylbenzene, CAS: 100-41-4

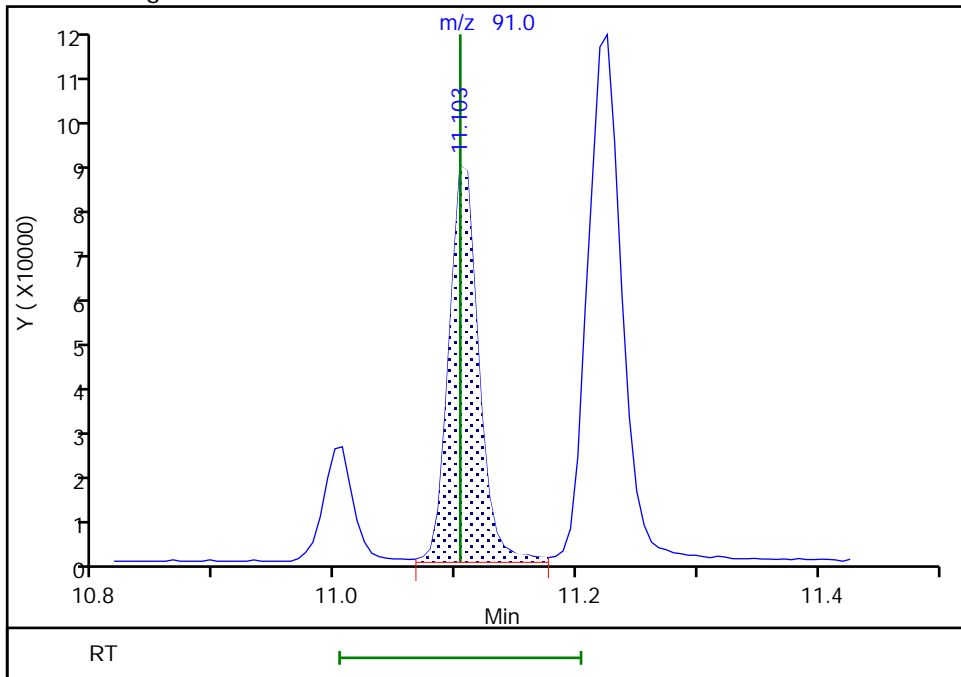
Signal: 1

Not Detected
Expected RT: 11.10

Processing Integration Results



Manual Integration Results



RT: 11.10
Area: 143495
Amount: 0.525673
Amount Units: ug/l

Reviewer: DVW2, 21-Jun-2023 15:33:58 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

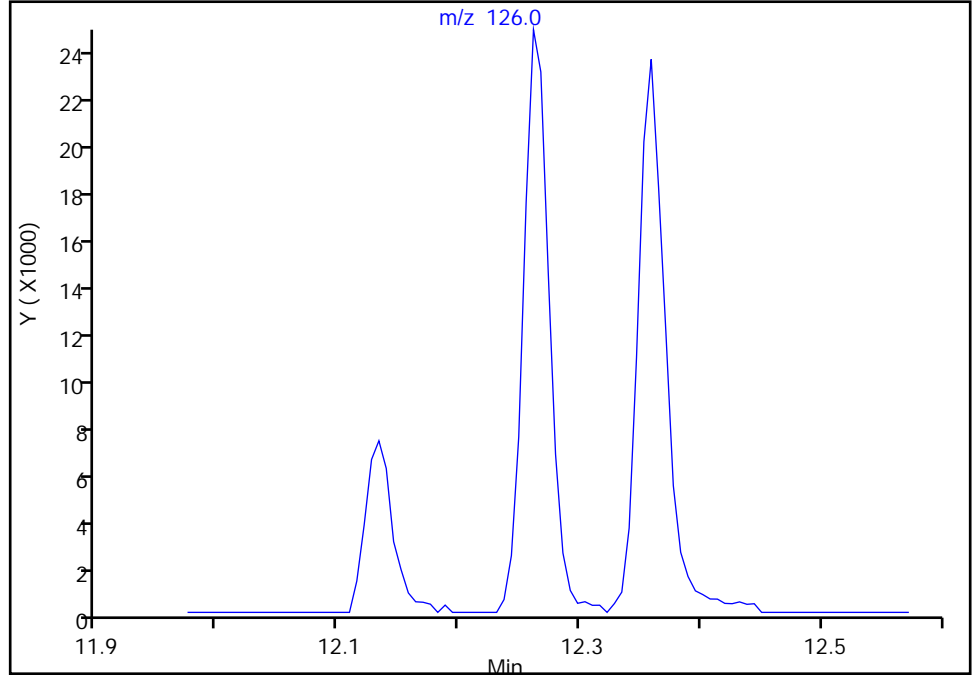
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Injection Date: 19-Jun-2023 18:40:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: KNK41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

126 2-Chlorotoluene, CAS: 95-49-8

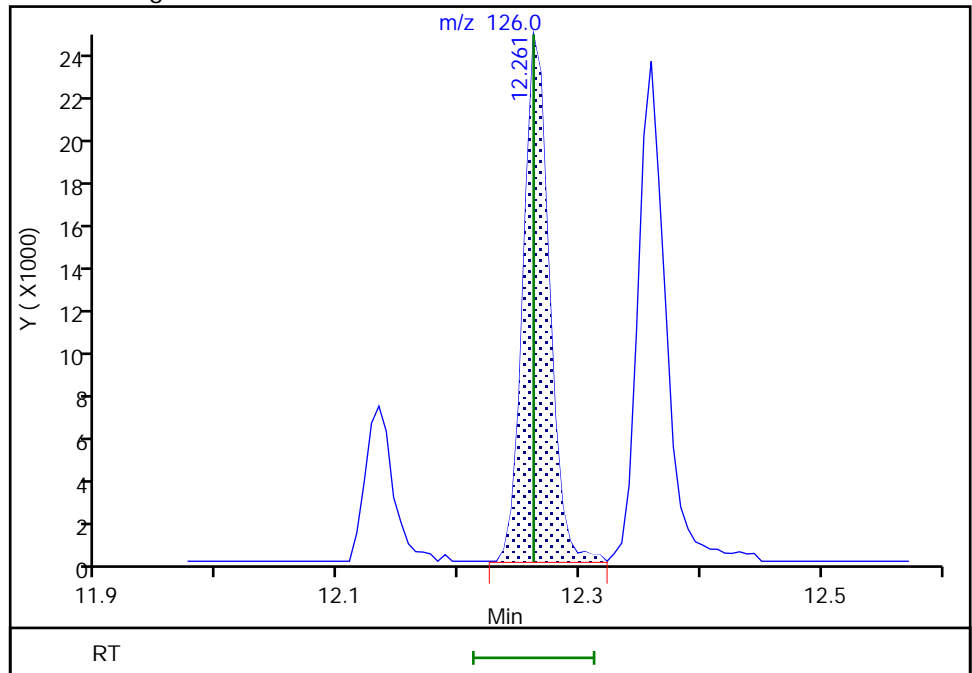
Signal: 1

Not Detected
Expected RT: 12.26

Processing Integration Results



Manual Integration Results



RT: 12.26
Area: 36985
Amount: 0.532691
Amount Units: ug/l

Reviewer: DVW2, 21-Jun-2023 15:34:04 -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\19930\20230619-86929.b\IU19X14.D
 Lims ID: IC std3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 19-Jun-2023 19:01:30 ALS Bottle#: 14 Worklist Smp#: 15
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086929-015
 Misc. Info.: LG 1.0
 Operator ID: KNK41612 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub2
 Method: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Jun-2023 12:30:15 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1687

First Level Reviewer: DVW2

Date: 21-Jun-2023 07:57:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.849	1.855	-0.006	99	68962	1.00	0.9619	M
4 Chloromethane	50	2.044	2.050	-0.006	99	73144	1.00	1.00	
5 Vinyl chloride	62	2.148	2.160	-0.012	75	69992	1.00	1.00	
6 Butadiene	39	2.154	2.160	-0.006	91	70973	1.00	0.9733	M
7 Bromomethane	94	2.459	2.465	-0.006	90	55026	1.00	1.01	
8 Chloroethane	64	2.532	2.538	-0.006	99	41214	1.00	0.9885	
9 Dichlorofluoromethane	67	2.763	2.764	-0.001	97	116915	1.00	1.00	
10 Trichlorofluoromethane	101	2.824	2.824	0.000	97	87039	1.00	0.9810	
11 Ethyl ether	59	3.044	3.050	-0.006	91	37553	1.00	1.03	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.117	3.142	-0.025	88	60893	1.00	0.9623	
14 Acrolein	56	3.208	3.209	-0.001	98	286815	50.0	49.6	
15 1,1-Dichloroethene	96	3.336	3.337	-0.001	98	42885	1.00	0.8930	
16 Acetone	43	3.367	3.361	0.006	84	70684	10.0	11.1	M
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.373	3.385	-0.012	89	45537	1.00	0.8934	
18 Iodomethane	142	3.519	3.526	-0.007	98	96625	1.00	0.9569	
19 Ethyl bromide	108	3.544	3.550	-0.006	97	44143	1.00	1.05	
20 Carbon disulfide	76	3.623	3.629	-0.006	99	119139	1.00	0.9149	
23 Methyl acetate	43	3.769	3.757	0.012	25	14418	1.00	0.9146	M
24 3-Chloro-1-propene	41	3.775	3.782	-0.007	91	68239	1.00	0.9143	
25 Methylene Chloride	84	3.952	3.958	-0.006	89	47789	1.00	0.9426	
* 26 t-Butyl alcohol-d10 (IS)	65	3.983	4.025	-0.042	95	133555	50.0	50.0	M
27 2-Methyl-2-propanol	59	4.092	4.093	-0.001	96	52571	20.0	20.7	
28 Acrylonitrile	53	4.294	4.282	0.012	98	17396	2.50	2.24	
29 Methyl tert-butyl ether	73	4.342	4.342	0.000	91	132891	1.00	1.01	
30 trans-1,2-Dichloroethene	96	4.348	4.355	-0.007	98	49647	1.00	0.9289	
31 Hexane	57	4.769	4.781	-0.012	91	61908	1.00	0.8837	
32 1,1-Dichloroethane	63	5.013	5.013	0.000	96	88859	1.00	0.9705	
35 Isopropyl ether	45	5.074	5.074	0.000	94	147957	1.00	0.9841	
36 2-Chloro-1,3-butadiene	53	5.123	5.123	0.000	91	70549	1.00	0.9215	
37 Tert-butyl ethyl ether	59	5.610	5.623	-0.013	96	141482	1.00	0.9852	

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	5.824	5.812	0.012	99	122006	10.0	9.91	
39 cis-1,2-Dichloroethene	96	5.854	5.854	0.000	81	56850	1.00	0.9561	
40 2,2-Dichloropropane	77	5.866	5.867	-0.001	88	75466	1.00	0.9147	
43 Propionitrile	54	5.903	5.891	0.012	98	66438	20.0	20.4	
45 Methacrylonitrile	67	6.110	6.110	0.000	90	128773	10.0	10.0	
S 41 1,2-Dichloroethene, Total	100				0			1.89	
46 Chlorobromomethane	128	6.177	6.190	-0.013	84	26936	1.00	1.00	
47 Tetrahydrofuran	71	6.196	6.196	0.000	74	20095	5.00	4.96	
48 Chloroform	83	6.336	6.342	-0.006	93	91363	1.00	0.9660	
\$ 49 Dibromofluoromethane (Surr)	113	6.555	6.555	0.000	95	461318	10.0	10.0	
50 1,1,1-Trichloroethane	97	6.568	6.568	0.000	96	81153	1.00	0.9188	
51 Cyclohexane	56	6.659	6.671	-0.012	88	73626	1.00	0.8797	
54 Carbon tetrachloride	117	6.775	6.781	-0.006	97	71388	1.00	0.9072	
53 1,1-Dichloropropene	75	6.781	6.781	0.000	94	63636	1.00	0.9049	
55 Isobutyl alcohol	41	6.952	6.940	0.012	94	48416	50.0	53.6	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.006	7.013	-0.007	68	93659	10.0	10.3	
57 Benzene	78	7.037	7.043	-0.006	92	202213	1.00	0.9564	
58 1,2-Dichloroethane	62	7.110	7.116	-0.006	98	56615	1.00	0.9878	
60 Tert-amyl methyl ether	73	7.238	7.244	-0.006	98	131492	1.00	0.99	
* 61 Fluorobenzene (IS)	96	7.445	7.445	0.000	99	1790586	10.0	10.0	
62 n-Heptane	43	7.470	7.470	0.000	92	58742	1.00	0.8733	
63 n-Butanol	56	7.860	7.836	0.024	85	57099	87.5	82.3	
64 Trichloroethene	95	7.933	7.933	0.000	96	55041	1.00	0.9357	
65 Methylcyclohexane	83	8.244	8.244	0.000	92	85392	1.00	0.8987	
66 1,2-Dichloropropane	63	8.262	8.269	-0.007	95	50772	1.00	0.9712	
67 Methyl methacrylate	69	8.366	8.354	0.012	89	25680	1.00	1.01	
68 1,4-Dioxane	88	8.372	8.366	0.006	31	5746	50.0	39.0	
69 Dibromomethane	93	8.384	8.378	0.006	92	26070	1.00	0.99	
71 Dichlorobromomethane	83	8.616	8.616	0.000	99	66817	1.00	0.9834	
72 2-Nitropropane	41	8.884	8.884	0.000	98	38795	5.00	4.69	
75 1-Bromo-2-chloroethane	63	9.018	9.012	0.006	98	55828	1.00	1.05	
76 cis-1,3-Dichloropropene	75	9.177	9.177	0.000	96	78154	1.00	0.9586	
77 4-Methyl-2-pentanone (MIBK)	43	9.360	9.360	0.000	95	324775	10.0	9.83	
\$ 78 Toluene-d8 (Surr)	98	9.494	9.500	-0.006	93	1804500	10.0	9.93	
79 Toluene	92	9.573	9.579	-0.006	98	134873	1.00	0.9406	
97 trans-1,3-Dichloropropene	75	9.847	9.848	-0.001	92	65778	1.00	0.9719	
99 Ethyl methacrylate	69	9.921	9.915	0.005	89	56167	1.00	1.00	
100 1,1,2-Trichloroethane	97	10.055	10.055	0.000	90	40644	1.00	1.00	
S 98 1,3-Dichloropropene, Total	100				0			1.93	
101 Tetrachloroethene	166	10.140	10.146	-0.006	98	69578	1.00	0.9303	
102 1,3-Dichloropropane	76	10.219	10.219	0.000	89	63491	1.00	0.99	
103 2-Hexanone	43	10.280	10.274	0.006	95	234543	10.0	10.0	
105 Chlorodibromomethane	129	10.439	10.439	0.000	90	50898	1.00	0.9660	
106 Ethylene Dibromide	107	10.555	10.549	0.006	99	38807	1.00	1.02	
* 107 Chlorobenzene-d5 (IS)	117	10.987	10.987	0.000	84	1413947	10.0	10.0	
108 1-Chlorohexane	91	11.000	11.000	0.000	95	75197	1.00	0.9011	a
109 Chlorobenzene	112	11.018	11.018	0.000	97	161040	1.00	0.9599	
111 1,1,1,2-Tetrachloroethane	131	11.103	11.097	0.006	96	58062	1.00	0.9712	
112 Ethylbenzene	91	11.103	11.103	0.000	98	262649	1.00	0.9399	a
113 m-Xylene & p-Xylene	106	11.225	11.219	0.006	93	213843	2.00	1.89	
S 110 Xylenes, Total	106				0			2.85	
114 o-Xylene	106	11.554	11.554	0.000	95	107419	1.00	0.9616	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
115 Styrene	104	11.573	11.567	0.006	95	171340	1.00	0.9534	
116 Bromoform	173	11.725	11.725	0.000	98	33303	1.00	0.9745	
117 Isopropylbenzene	105	11.859	11.859	0.000	95	271455	1.00	0.9369	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.999	12.000	-0.001	96	682073	10.0	9.96	
121 1,1,2,2-Tetrachloroethane	83	12.103	12.103	0.000	93	52659	1.00	1.04	
122 Bromobenzene	156	12.115	12.115	0.000	94	71063	1.00	0.9706	
123 trans-1,4-Dichloro-2-butene	53	12.133	12.128	0.005	93	123536	10.0	9.93	
124 1,2,3-Trichloropropane	110	12.152	12.146	0.006	81	15312	1.00	1.08	
125 N-Propylbenzene	91	12.188	12.189	-0.001	98	303252	1.00	0.9358	
126 2-Chlorotoluene	126	12.262	12.262	0.000	97	67323	1.00	0.9512	a
127 1,3,5-Trimethylbenzene	105	12.322	12.323	-0.001	95	235489	1.00	0.9535	
128 4-Chlorotoluene	126	12.359	12.353	0.006	96	70351	1.00	0.9702	
129 tert-Butylbenzene	134	12.566	12.566	0.000	92	56204	1.00	0.9470	
130 Pentachloroethane	167	12.597	12.597	0.000	92	47961	1.00	1.04	
131 1,2,4-Trimethylbenzene	105	12.609	12.609	0.000	96	244539	1.00	0.9644	
132 sec-Butylbenzene	105	12.731	12.731	0.000	94	293727	1.00	0.9351	
133 1,3-Dichlorobenzene	146	12.828	12.829	-0.001	98	136646	1.00	0.9550	
134 4-Isopropyltoluene	119	12.841	12.841	0.000	97	264478	1.00	0.9444	
* 135 1,4-Dichlorobenzene-d4	152	12.883	12.883	0.000	93	851085	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.902	12.902	0.000	96	139429	1.00	0.9886	
137 1,2,3-Trimethylbenzene	120	12.914	12.914	0.000	98	111687	1.00	0.9744	
138 Benzyl chloride	126	12.981	12.981	0.000	98	21662	1.00	1.00	
139 n-Butylbenzene	92	13.133	13.133	0.000	97	115817	1.00	0.9236	
140 1,2-Dichlorobenzene	146	13.164	13.158	0.006	99	131059	1.00	0.9750	
142 1,2-Dibromo-3-Chloropropane	155	13.706	13.700	0.006	89	8390	1.00	1.01	
143 1,3,5-Trichlorobenzene	180	13.834	13.828	0.006	97	101687	1.00	0.9476	
144 1,2,4-Trichlorobenzene	180	14.255	14.249	0.006	94	81792	1.00	0.9474	
145 Hexachlorobutadiene	225	14.334	14.334	0.000	96	38205	1.00	0.9084	
146 Naphthalene	128	14.432	14.426	0.006	96	155480	1.00	0.9895	
147 1,2,3-Trichlorobenzene	180	14.572	14.572	0.000	96	69112	1.00	0.9564	
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_00081	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00093	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00156	Amount Added: 2.00	Units: uL	
MSV_LLcentISS_00007	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X14.D

Injection Date: 19-Jun-2023 19:01:30

Instrument ID: 19930

Operator ID: KNK41612

Lims ID: IC std3

Worklist Smp#: 15

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

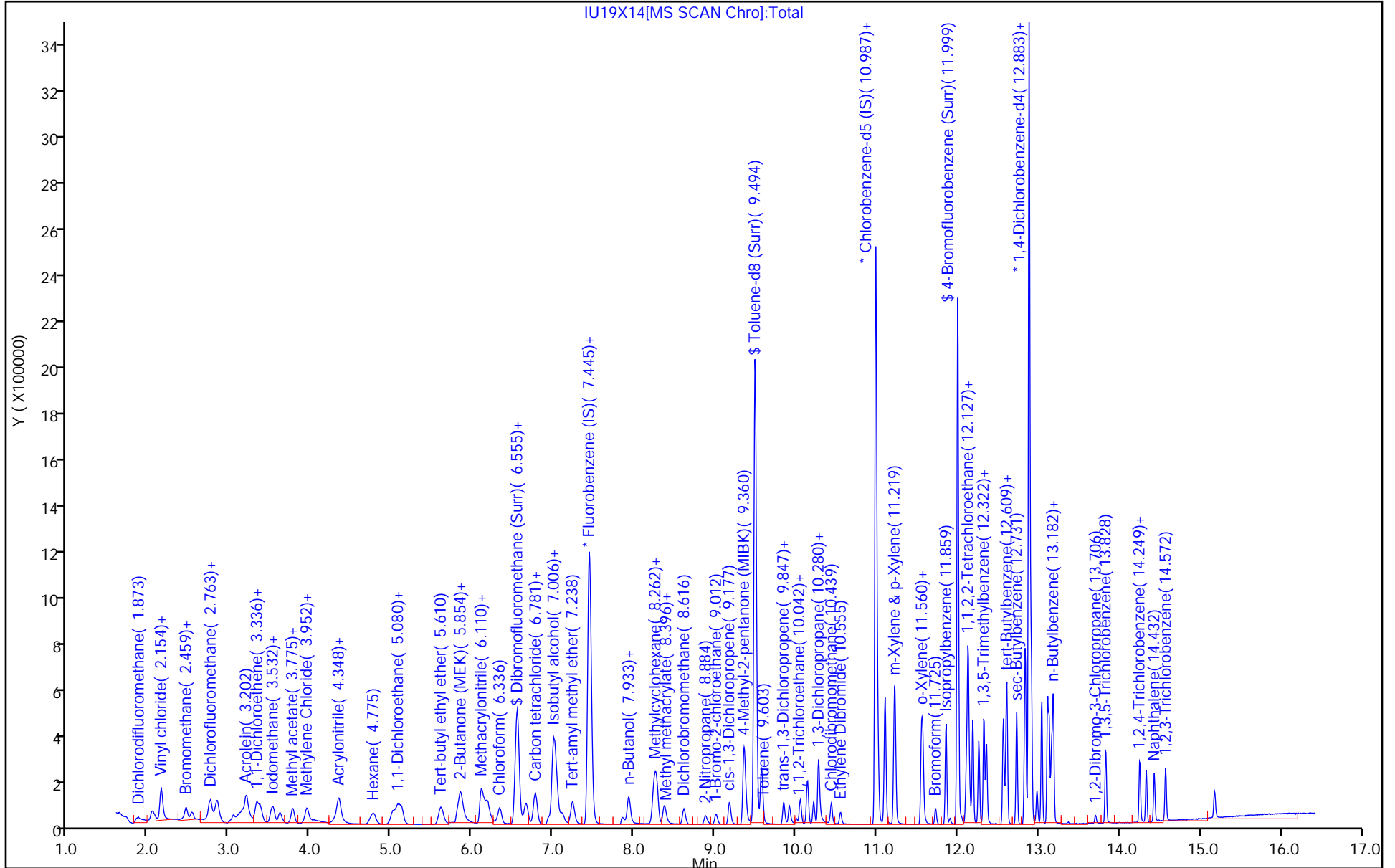
ALS Bottle#: 14

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

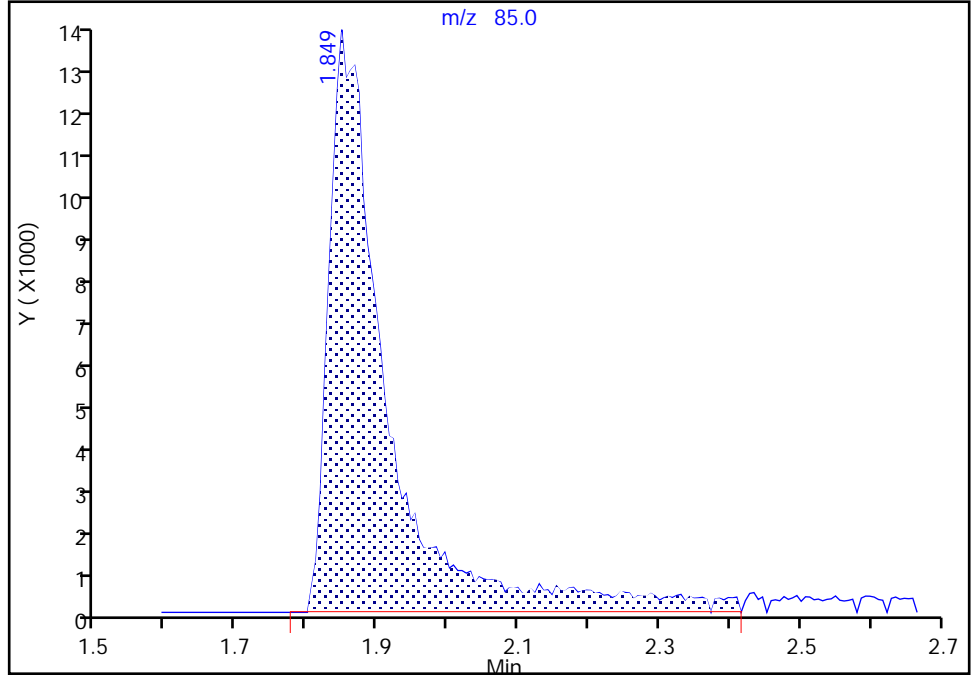
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Injection Date: 19-Jun-2023 19:01:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: KNK41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

1 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

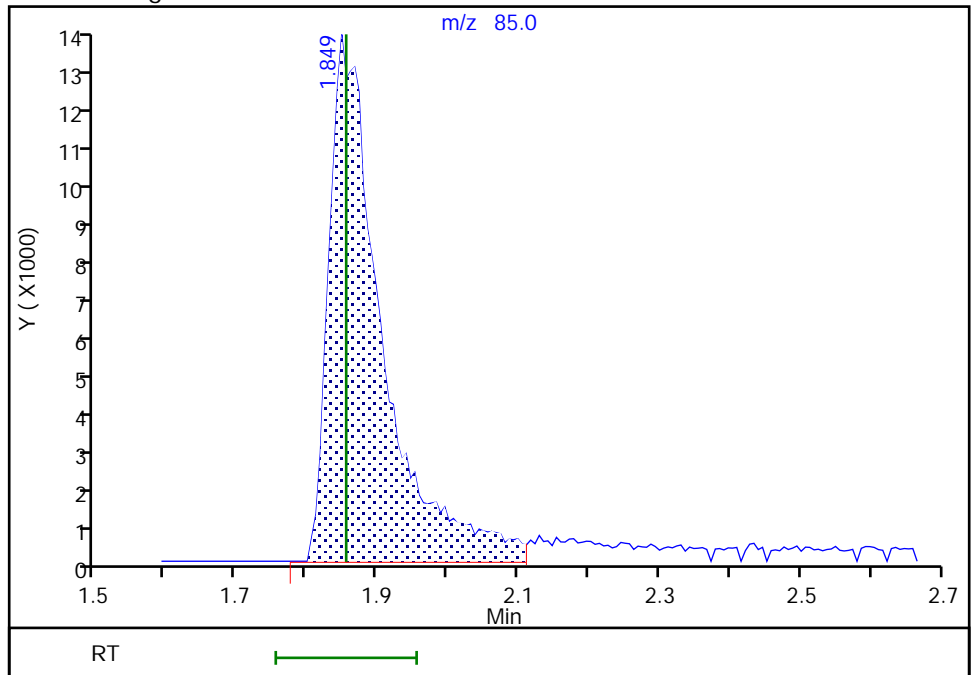
RT: 1.85
Area: 76082
Amount: 1.046441
Amount Units: ug/l

Processing Integration Results



RT: 1.85
Area: 68962
Amount: 0.961862
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:54:35 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

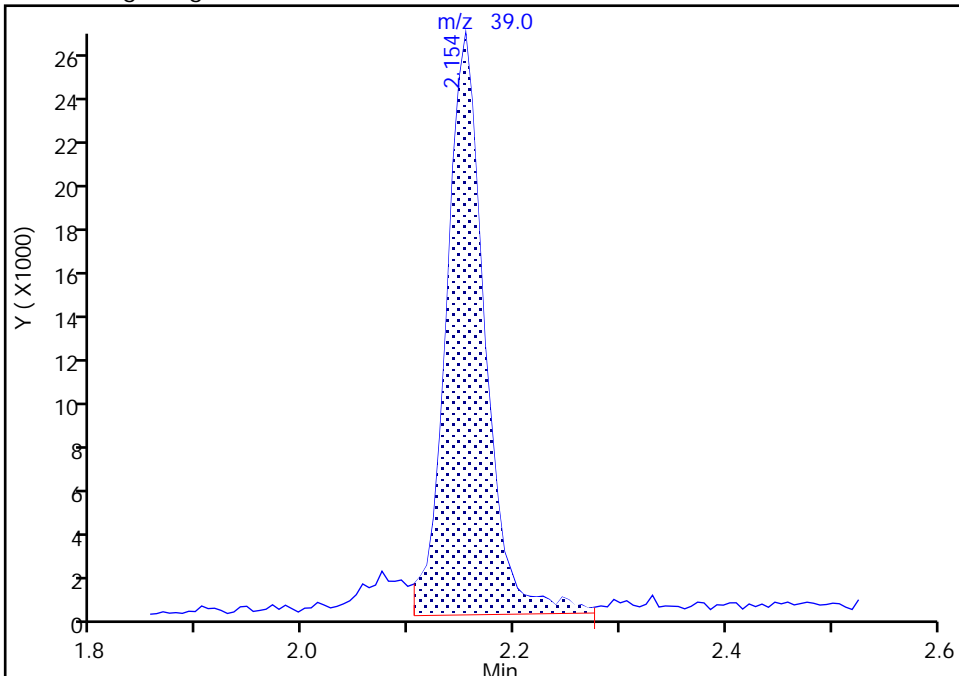
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Injection Date: 19-Jun-2023 19:01:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: KNK41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

6 Butadiene, CAS: 106-99-0

Signal: 1

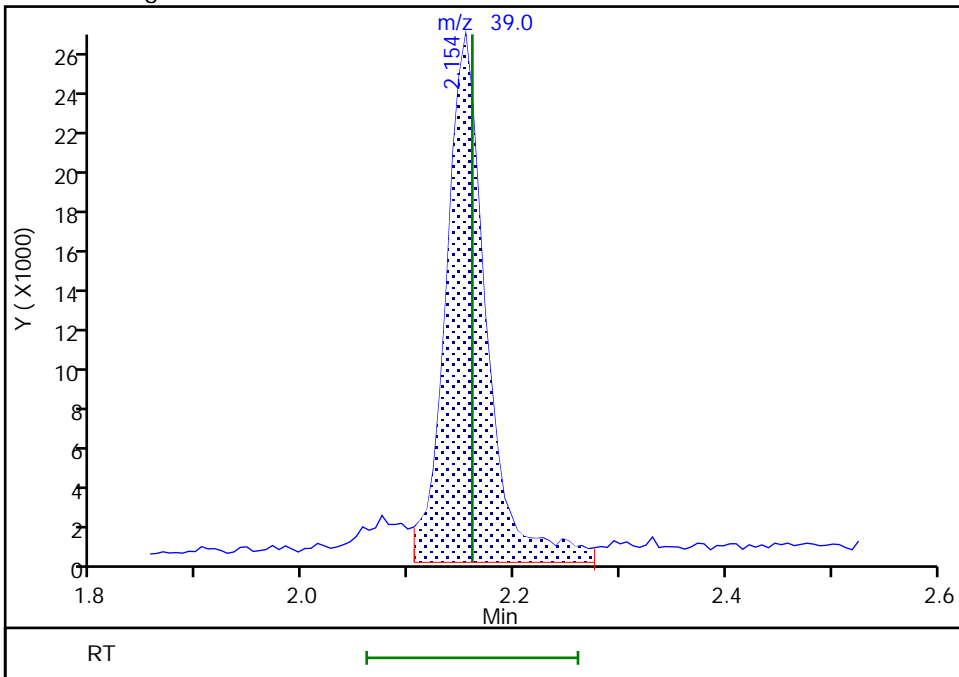
RT: 2.15
Area: 67127
Amount: 0.953617
Amount Units: ug/l

Processing Integration Results



RT: 2.15
Area: 70973
Amount: 0.973260
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:54:49 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

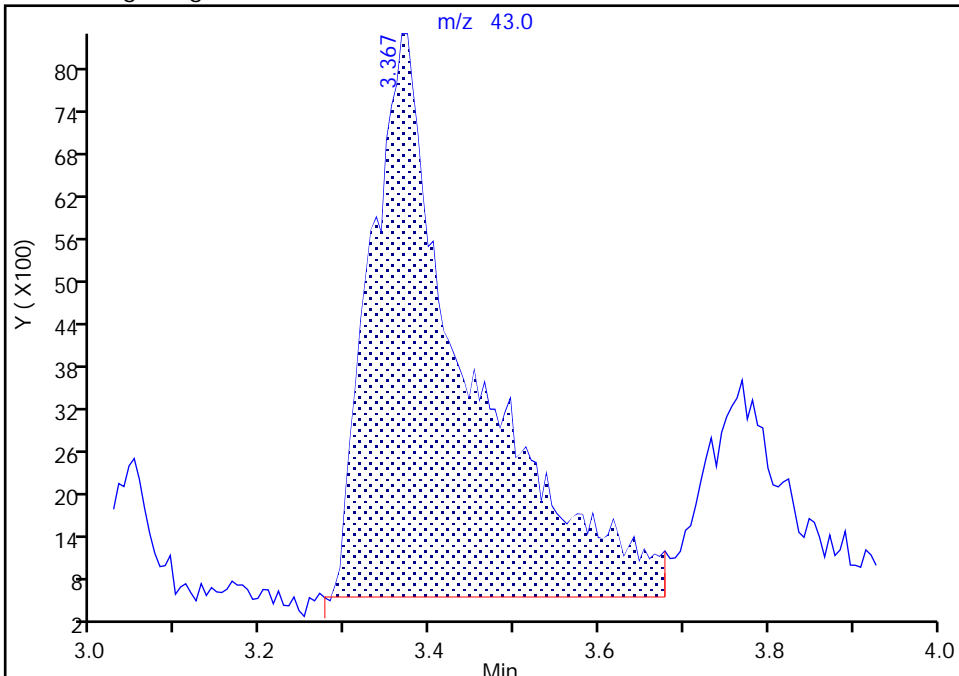
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Injection Date:	19-Jun-2023 19:01:30	Instrument ID:	19930
Lims ID:	IC std3		
Client ID:			
Operator ID:	KNK41612	ALS Bottle#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D
Column:	Rxi-624Sil MS Capillary Column (0.25mm ID)	Detector:	MS Quad
		Worklist Smp#:	15

16 Acetone, CAS: 67-64-1

Signal: 1

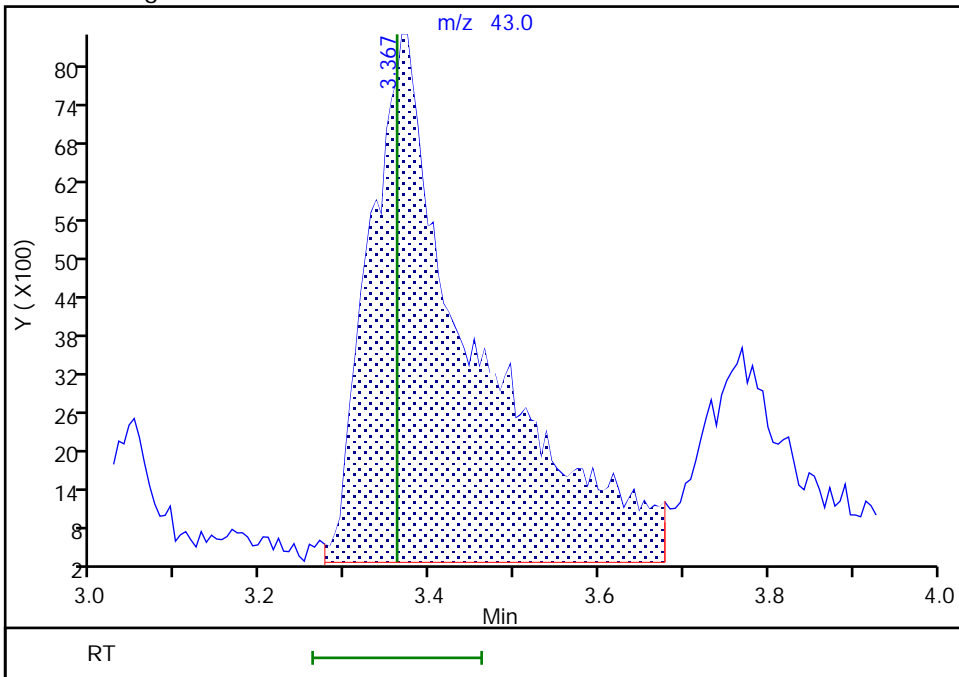
RT: 3.37
 Area: 64263
 Amount: 9.340978
 Amount Units: ug/l

Processing Integration Results



RT: 3.37
 Area: 70684
 Amount: 11.065266
 Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:55:06 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

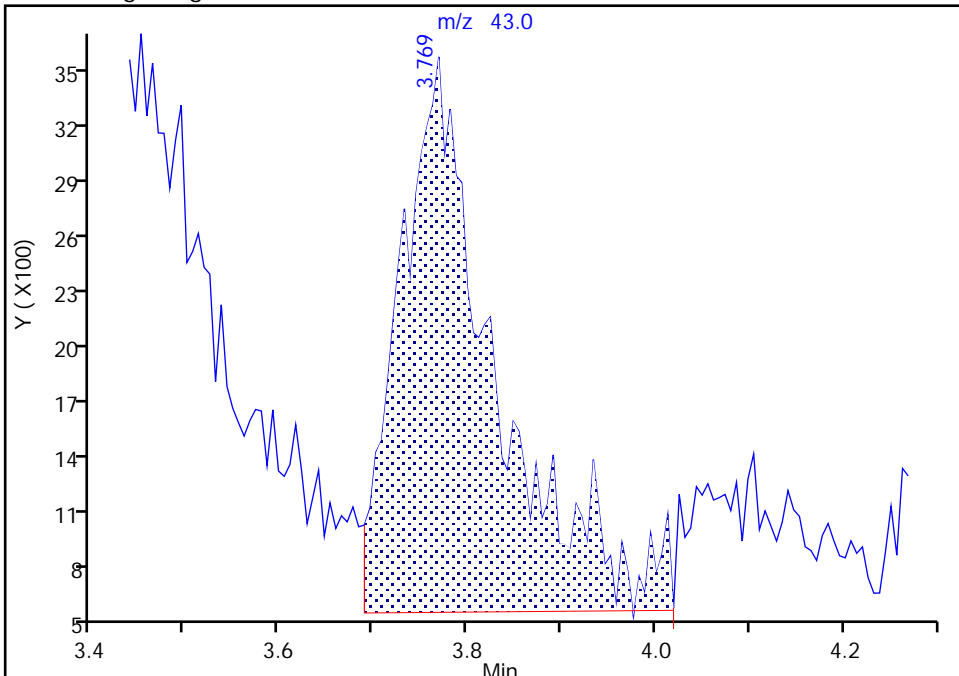
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Injection Date: 19-Jun-2023 19:01:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: KNK41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

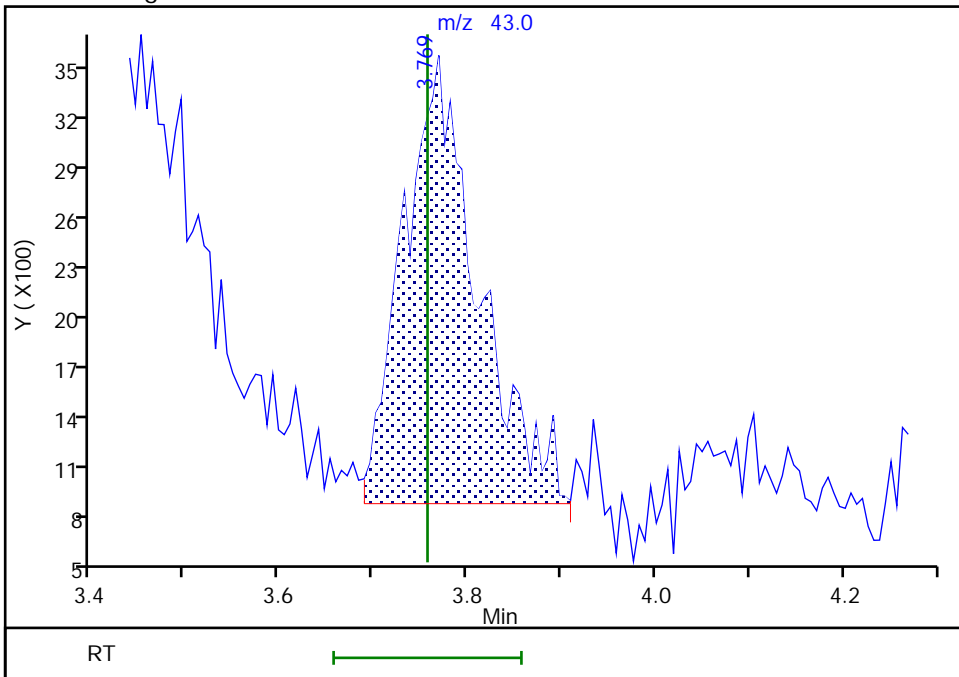
RT: 3.77
Area: 20787
Amount: 1.131048
Amount Units: ug/l

Processing Integration Results



RT: 3.77
Area: 14418
Amount: 0.914576
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:55:31 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

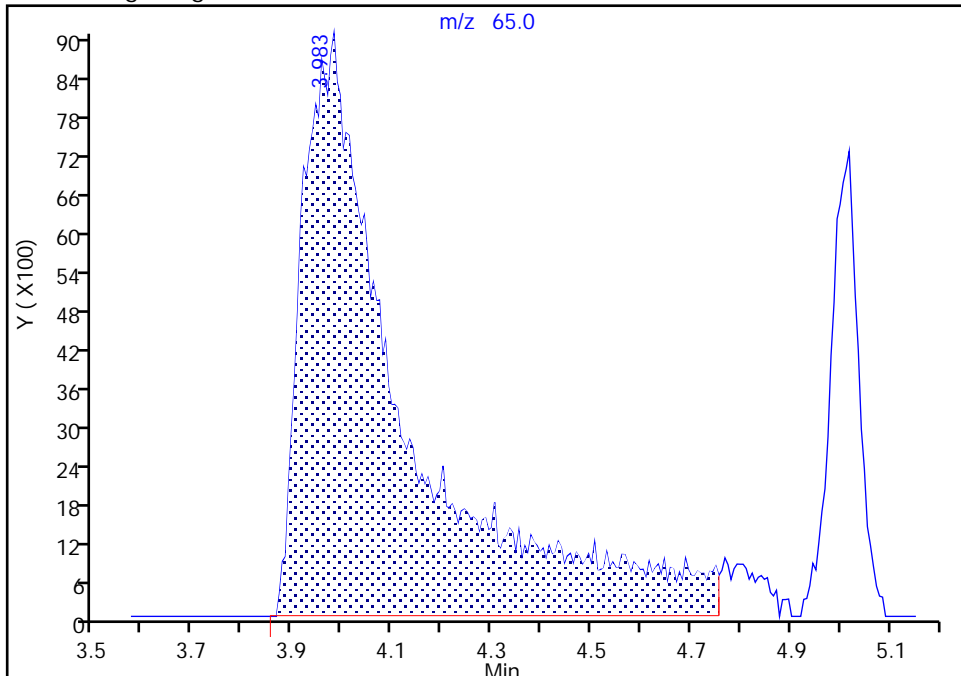
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Injection Date: 19-Jun-2023 19:01:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: KNK41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

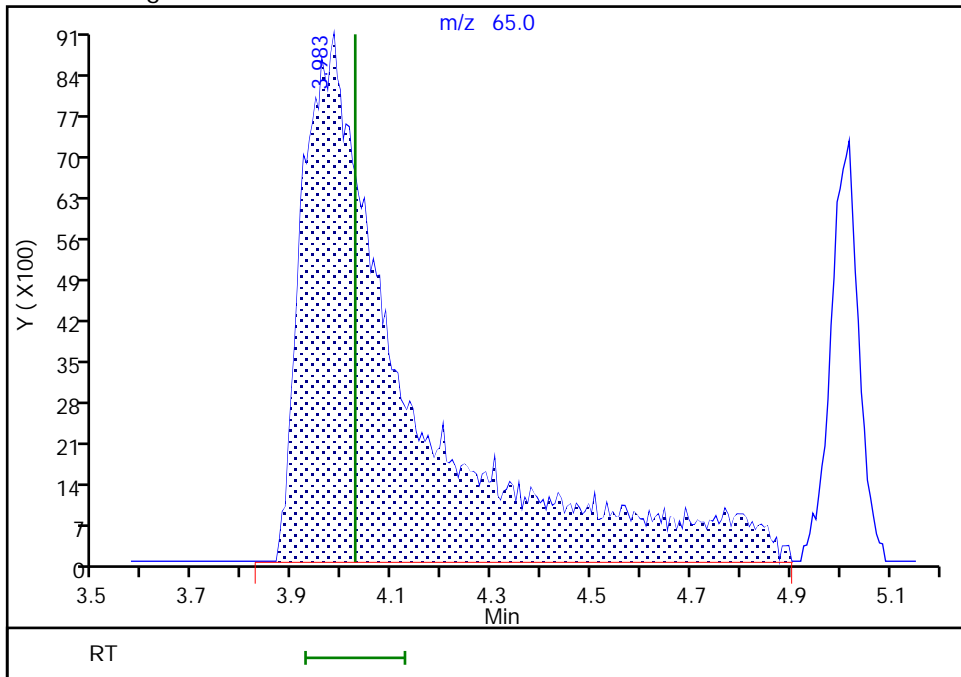
RT: 3.98
Area: 128785
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 3.98
Area: 133555
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Eurofins Lancaster Laboratories Environment Testing, LLC

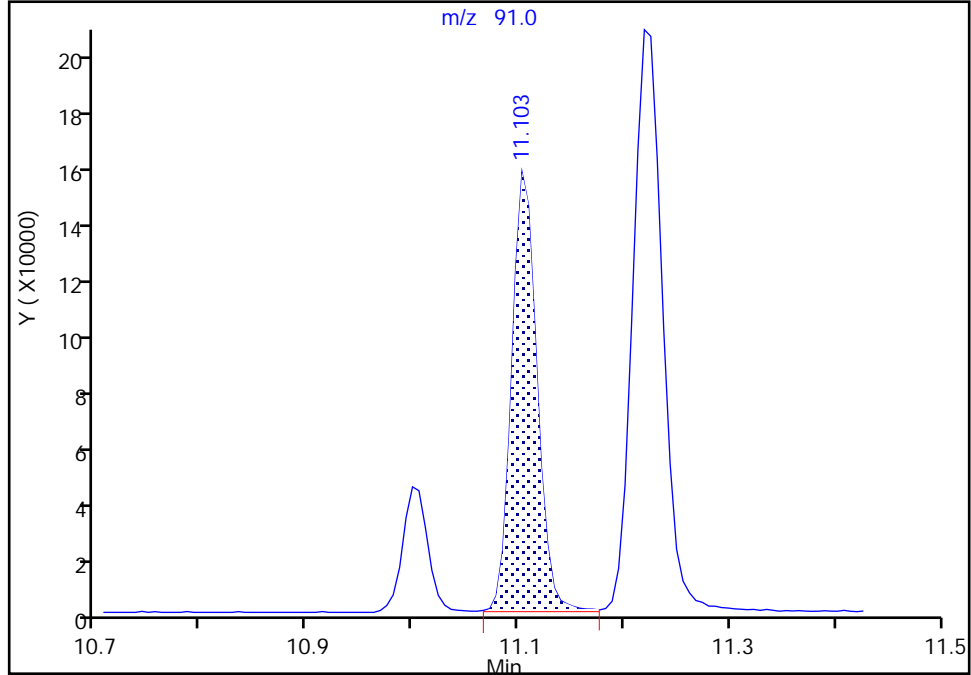
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Injection Date: 19-Jun-2023 19:01:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: KNK41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

108 1-Chlorohexane, CAS: 544-10-5

Signal: 1

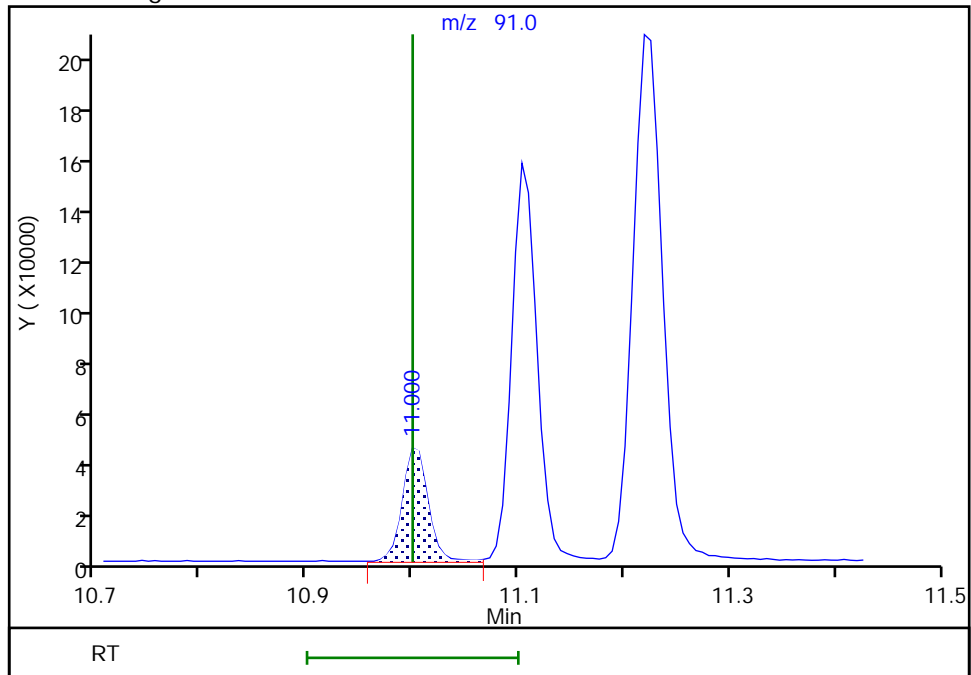
RT: 11.10
Area: 262649
Amount: 1.166835
Amount Units: ug/l

Processing Integration Results



RT: 11.00
Area: 75197
Amount: 0.901091
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 22-Jun-2023 07:47:42 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

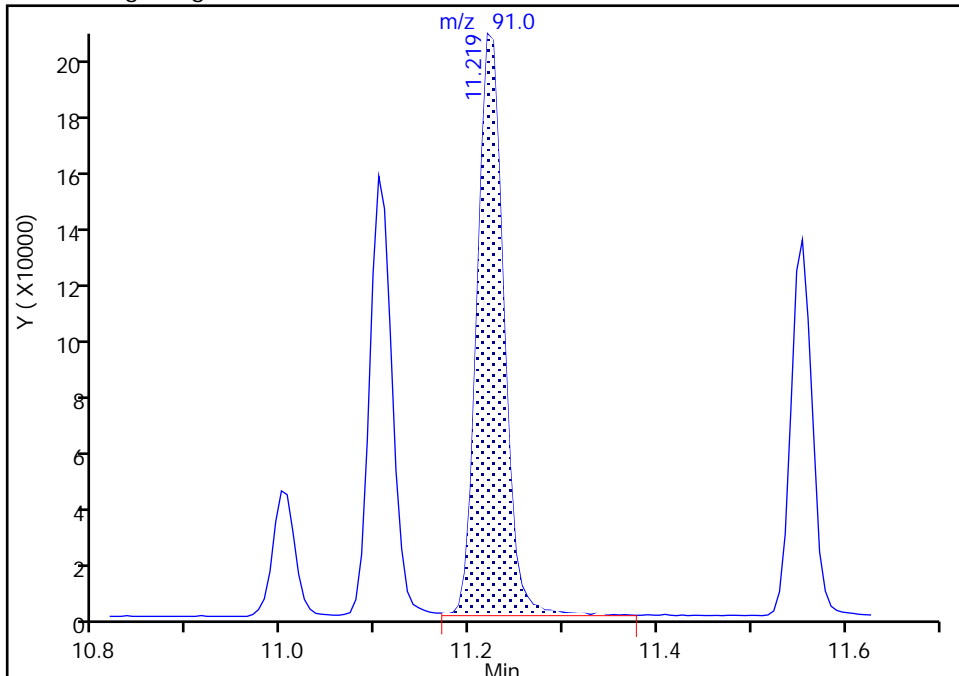
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X14.D
Injection Date: 19-Jun-2023 19:01:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: KNK41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

112 Ethylbenzene, CAS: 100-41-4

Signal: 1

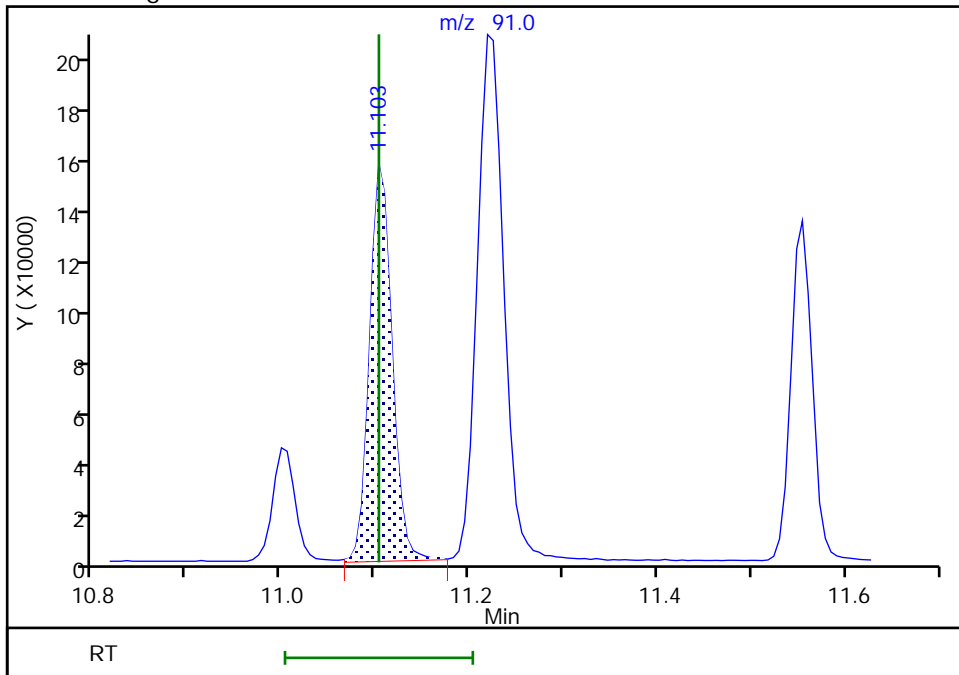
RT: 11.22
Area: 410800
Amount: 1.054612
Amount Units: ug/l

Processing Integration Results



RT: 11.10
Area: 262649
Amount: 0.939871
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 15:34:29 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

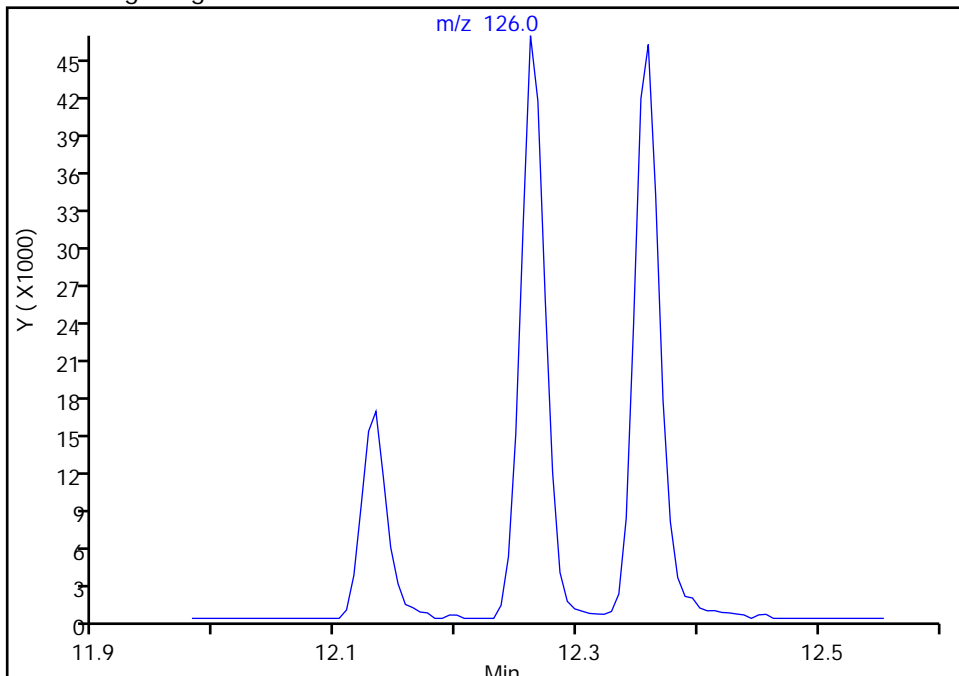
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Injection Date: 19-Jun-2023 19:01:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: KNK41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

126 2-Chlorotoluene, CAS: 95-49-8

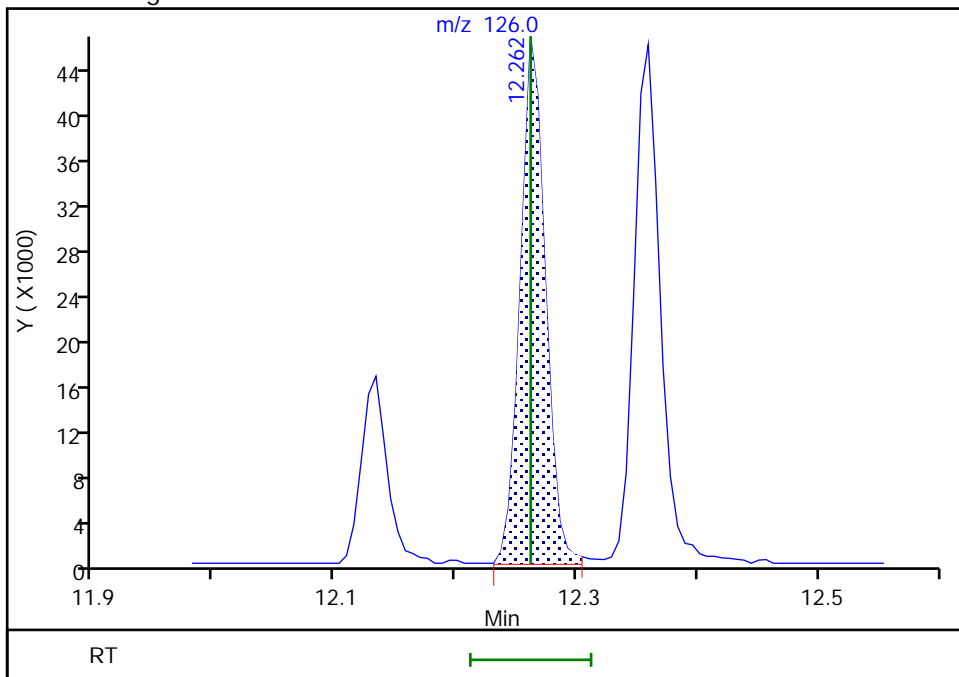
Signal: 1

Not Detected
Expected RT: 12.26

Processing Integration Results



Manual Integration Results



RT: 12.26
Area: 67323
Amount: 0.951249
Amount Units: ug/l

Reviewer: DVW2, 21-Jun-2023 15:34:24 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X15.D
 Lims ID: IC std4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 19-Jun-2023 19:22:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086929-016
 Misc. Info.: LG 2.0
 Operator ID: KNK41612 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub2

Method: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Jun-2023 12:30:21 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1687

First Level Reviewer: DVW2

Date: 21-Jun-2023 08:05:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.849	1.855	-0.006	99	153092	2.00	2.12	
4 Chloromethane	50	2.038	2.050	-0.012	99	148627	2.00	2.03	
5 Vinyl chloride	62	2.148	2.160	-0.012	77	144284	2.00	2.06	
6 Butadiene	39	2.148	2.160	-0.012	90	138958	2.00	1.89	
7 Bromomethane	94	2.459	2.465	-0.006	90	109113	2.00	1.99	
8 Chloroethane	64	2.532	2.538	-0.006	100	84063	2.00	2.00	
9 Dichlorofluoromethane	67	2.757	2.764	-0.007	97	227201	2.00	1.94	
10 Trichlorofluoromethane	101	2.818	2.824	-0.006	95	185589	2.00	2.08	
11 Ethyl ether	59	3.038	3.050	-0.012	89	71951	2.00	1.95	
13 1,2-Dichloro-1,1,2-trifluoroethane	67	3.129	3.142	-0.013	89	125946	2.00	1.98	
14 Acrolein	56	3.202	3.209	-0.007	98	572441	100.0	104.0	
15 1,1-Dichloroethene	96	3.324	3.337	-0.013	97	95792	2.00	1.98	
16 Acetone	43	3.355	3.361	-0.006	76	123579	20.0	20.3	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.379	3.385	-0.006	90	103962	2.00	2.03	
18 Iodomethane	142	3.513	3.526	-0.013	99	207682	2.00	2.04	
19 Ethyl bromide	108	3.538	3.550	-0.012	99	80536	2.00	1.90	
20 Carbon disulfide	76	3.617	3.629	-0.012	99	265233	2.00	2.02	
23 Methyl acetate	43	3.757	3.757	0.000	24	29888	2.00	1.99	M
24 3-Chloro-1-propene	41	3.769	3.782	-0.013	91	148700	2.00	1.98	
25 Methylene Chloride	84	3.952	3.958	-0.006	89	101250	2.00	1.98	
* 26 t-Butyl alcohol-d10 (IS)	65	3.971	4.025	-0.054	96	127135	50.0	50.0	M
27 2-Methyl-2-propanol	59	4.099	4.093	0.006	99	99365	40.0	41.1	
28 Acrylonitrile	53	4.281	4.282	-0.001	97	42468	5.00	5.75	
29 Methyl tert-butyl ether	73	4.336	4.342	-0.006	94	267433	2.00	2.02	
30 trans-1,2-Dichloroethene	96	4.349	4.355	-0.006	98	109363	2.00	2.03	
31 Hexane	57	4.769	4.781	-0.012	91	138409	2.00	1.96	
32 1,1-Dichloroethane	63	5.007	5.013	-0.006	96	188062	2.00	2.04	
35 Isopropyl ether	45	5.068	5.074	-0.006	92	305304	2.00	2.02	
36 2-Chloro-1,3-butadiene	53	5.117	5.123	-0.006	90	157183	2.00	2.04	
37 Tert-butyl ethyl ether	59	5.611	5.623	-0.013	96	293761	2.00	2.03	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 2-Butanone (MEK)	43	5.806	5.812	-0.006	100	242793	20.0	20.7	
39 cis-1,2-Dichloroethene	96	5.848	5.854	-0.006	81	121238	2.00	2.03	
40 2,2-Dichloropropane	77	5.854	5.867	-0.013	71	169485	2.00	2.04	
43 Propionitrile	54	5.897	5.891	0.006	98	137306	40.0	44.3	
45 Methacrylonitrile	67	6.110	6.110	0.000	90	255367	20.0	20.9	
S 41 1,2-Dichloroethene, Total	100				0			4.06	
46 Chlorobromomethane	128	6.184	6.190	-0.006	86	54957	2.00	2.02	
47 Tetrahydrofuran	71	6.196	6.196	0.000	78	39125	10.0	10.1	
48 Chloroform	83	6.336	6.342	-0.006	93	195036	2.00	2.05	
\$ 49 Dibromofluoromethane (Surr)	113	6.555	6.555	0.000	95	459886	10.0	9.93	
50 1,1,1-Trichloroethane	97	6.555	6.568	-0.013	54	180779	2.00	2.03	
51 Cyclohexane	56	6.659	6.671	-0.012	89	169296	2.00	2.01	
54 Carbon tetrachloride	117	6.775	6.781	-0.006	96	161435	2.00	2.04	
53 1,1-Dichloropropene	75	6.775	6.781	-0.006	95	143481	2.00	2.03	
55 Isobutyl alcohol	41	6.946	6.940	0.006	93	77021	100.0	89.6	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.007	7.013	-0.006	83	92053	10.0	10.0	
57 Benzene	78	7.037	7.043	-0.006	96	433294	2.00	2.04	
58 1,2-Dichloroethane	62	7.110	7.116	-0.006	97	114498	2.00	1.98	
60 Tert-amyl methyl ether	73	7.238	7.244	-0.006	98	268420	2.00	2.01	
* 61 Fluorobenzene (IS)	96	7.446	7.445	0.001	99	1802566	10.0	10.0	
62 n-Heptane	43	7.464	7.470	-0.006	92	130745	2.00	1.93	
63 n-Butanol	56	7.848	7.836	0.012	87	112349	175.0	170.2	
64 Trichloroethene	95	7.927	7.933	-0.006	96	119866	2.00	2.02	
65 Methylcyclohexane	83	8.244	8.244	0.000	90	193464	2.00	2.02	
66 1,2-Dichloropropane	63	8.262	8.269	-0.007	96	106323	2.00	2.02	
67 Methyl methacrylate	69	8.360	8.354	0.006	89	49293	2.00	2.05	
68 1,4-Dioxane	88	8.372	8.366	0.006	30	13925	100.0	99.3	M
69 Dibromomethane	93	8.378	8.378	0.000	93	54174	2.00	2.05	
71 Dichlorobromomethane	83	8.616	8.616	0.000	99	137781	2.00	2.01	
72 2-Nitropropane	41	8.884	8.884	0.000	98	74299	10.0	9.43	
75 1-Bromo-2-chloroethane	63	9.006	9.012	-0.006	98	103572	2.00	1.93	
76 cis-1,3-Dichloropropene	75	9.177	9.177	0.000	97	166986	2.00	2.03	
77 4-Methyl-2-pentanone (MIBK)	43	9.360	9.360	0.000	96	654051	20.0	20.8	
\$ 78 Toluene-d8 (Surr)	98	9.494	9.500	-0.006	93	1822022	10.0	10.0	
79 Toluene	92	9.573	9.579	-0.006	99	296153	2.00	2.07	
97 trans-1,3-Dichloropropene	75	9.847	9.848	-0.001	92	136143	2.00	2.01	
99 Ethyl methacrylate	69	9.915	9.915	0.000	89	112647	2.00	2.02	
100 1,1,2-Trichloroethane	97	10.055	10.055	0.000	90	81347	2.00	2.01	
S 98 1,3-Dichloropropene, Total	100				0			4.05	
101 Tetrachloroethene	166	10.140	10.146	-0.006	97	152617	2.00	2.04	
102 1,3-Dichloropropane	76	10.219	10.219	0.000	90	130340	2.00	2.04	
103 2-Hexanone	43	10.274	10.274	0.000	96	459845	20.0	20.7	
105 Chlorodibromomethane	129	10.439	10.439	0.000	89	106469	2.00	2.02	
106 Ethylene Dibromide	107	10.549	10.549	0.000	99	77070	2.00	2.02	
* 107 Chlorobenzene-d5 (IS)	117	10.988	10.987	0.001	84	1411844	10.0	10.0	
108 1-Chlorohexane	91	11.000	11.000	0.000	94	164067	2.00	1.97	a
109 Chlorobenzene	112	11.018	11.018	0.000	97	343177	2.00	2.05	
111 1,1,1,2-Tetrachloroethane	131	11.097	11.097	0.000	95	121541	2.00	2.04	
112 Ethylbenzene	91	11.103	11.103	0.000	98	568378	2.00	2.04	a
113 m-Xylene & p-Xylene	106	11.219	11.219	0.000	93	464338	4.00	4.11	
S 110 Xylenes, Total	106				0			6.16	
114 o-Xylene	106	11.554	11.554	0.000	95	228364	2.00	2.05	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
115 Styrene	104	11.573	11.567	0.006	95	365726	2.00	2.04	
116 Bromoform	173	11.725	11.725	0.000	97	69013	2.00	2.02	
117 Isopropylbenzene	105	11.853	11.859	-0.006	95	594828	2.00	2.06	
\$ 120 4-Bromofluorobenzene (Surr)	95	12.000	12.000	0.000	96	688953	10.0	10.1	
121 1,1,2,2-Tetrachloroethane	83	12.103	12.103	0.000	93	103555	2.00	2.00	
122 Bromobenzene	156	12.115	12.115	0.000	94	152143	2.00	2.03	
123 trans-1,4-Dichloro-2-butene	53	12.128	12.128	0.000	93	248485	20.0	21.0	
124 1,2,3-Trichloropropane	110	12.152	12.146	0.006	82	29265	2.00	2.01	
125 N-Propylbenzene	91	12.188	12.189	-0.001	98	671294	2.00	2.03	
126 2-Chlorotoluene	126	12.262	12.262	0.000	98	148498	2.00	2.05	a
127 1,3,5-Trimethylbenzene	105	12.323	12.323	0.000	94	512246	2.00	2.03	
128 4-Chlorotoluene	126	12.359	12.353	0.006	96	153069	2.00	2.06	
129 tert-Butylbenzene	134	12.566	12.566	0.000	92	124089	2.00	2.04	
130 Pentachloroethane	167	12.597	12.597	0.000	90	89999	2.00	1.92	
131 1,2,4-Trimethylbenzene	105	12.609	12.609	0.000	96	524551	2.00	2.02	
132 sec-Butylbenzene	105	12.731	12.731	0.000	93	659131	2.00	2.05	
133 1,3-Dichlorobenzene	146	12.829	12.829	0.000	99	299493	2.00	2.05	
134 4-Isopropyltoluene	119	12.841	12.841	0.000	97	587493	2.00	2.05	
* 135 1,4-Dichlorobenzene-d4	152	12.883	12.883	0.000	93	870354	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.902	12.902	0.000	97	293178	2.00	2.03	
137 1,2,3-Trimethylbenzene	120	12.914	12.914	0.000	98	237548	2.00	2.03	
138 Benzyl chloride	126	12.981	12.981	0.000	98	45949	2.00	2.06	
139 n-Butylbenzene	92	13.133	13.133	0.000	97	259442	2.00	2.02	
140 1,2-Dichlorobenzene	146	13.164	13.158	0.006	99	279095	2.00	2.03	
142 1,2-Dibromo-3-Chloropropane	155	13.706	13.700	0.006	91	17537	2.00	2.07	
143 1,3,5-Trichlorobenzene	180	13.828	13.828	0.000	97	223971	2.00	2.04	
144 1,2,4-Trichlorobenzene	180	14.255	14.249	0.006	94	182141	2.00	2.06	
145 Hexachlorobutadiene	225	14.334	14.334	0.000	95	86860	2.00	2.02	
146 Naphthalene	128	14.432	14.426	0.006	96	330200	2.00	2.05	
147 1,2,3-Trichlorobenzene	180	14.572	14.572	0.000	96	150086	2.00	2.03	
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_00081	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00093	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00156	Amount Added: 2.00	Units: uL	
MSV_LLcentISS_00007	Amount Added: 5.00	Units: uL	Run Reagent

Eurofins Lancaster Laboratories Environment Testing, LLC

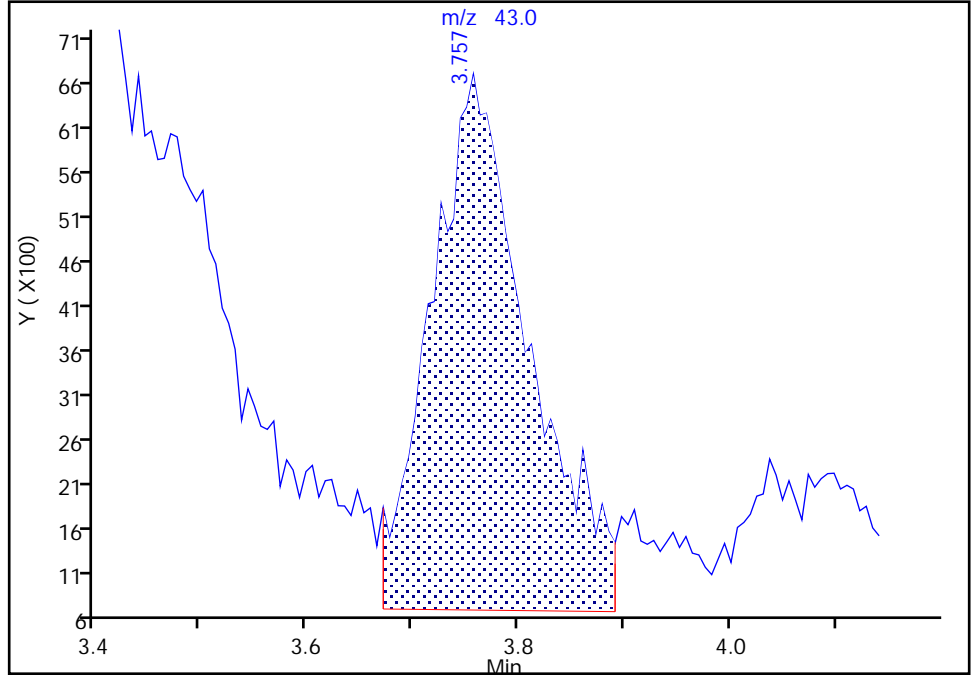
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Injection Date: 19-Jun-2023 19:22:30 Instrument ID: 19930
Lims ID: IC std4
Client ID:
Operator ID: KNK41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

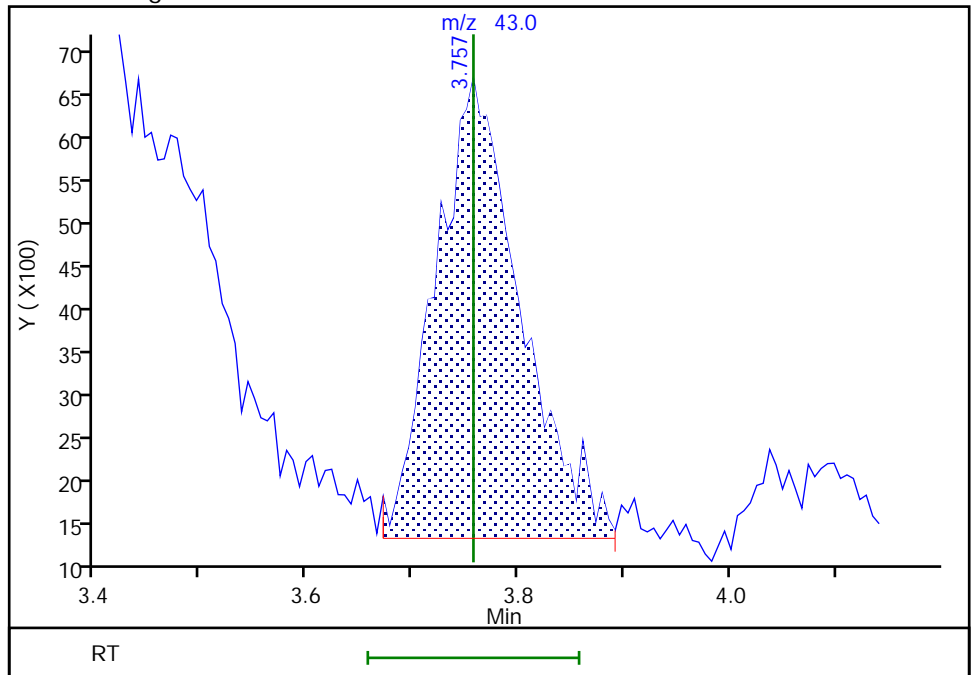
RT: 3.76
Area: 38847
Amount: 2.303021
Amount Units: ug/l

Processing Integration Results



RT: 3.76
Area: 29888
Amount: 1.991620
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:04:18 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

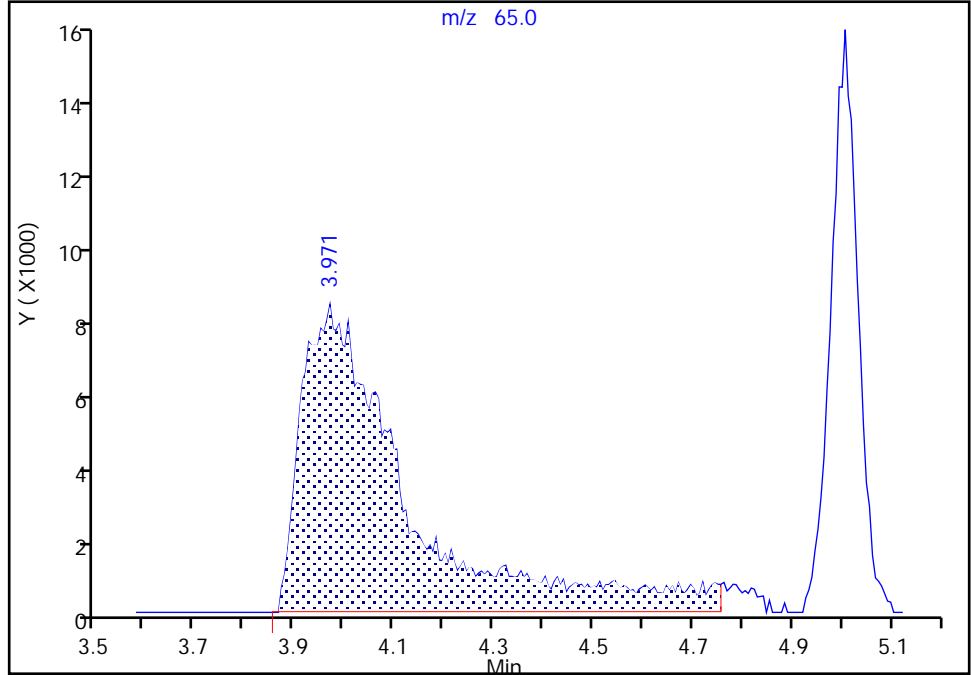
Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date: 19-Jun-2023 19:22:30 Instrument ID: 19930
Lims ID: IC std4
Client ID:
Operator ID: KNK41612 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

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2
Signal: 1

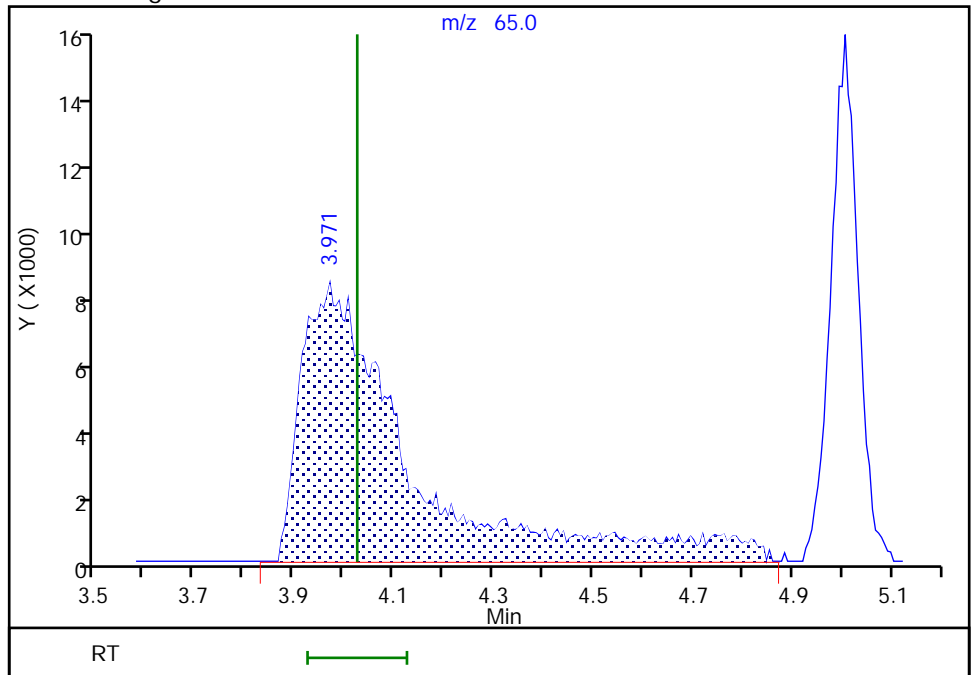
RT: 3.97
Area: 123899
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 3.97
Area: 127135
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:04:29 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

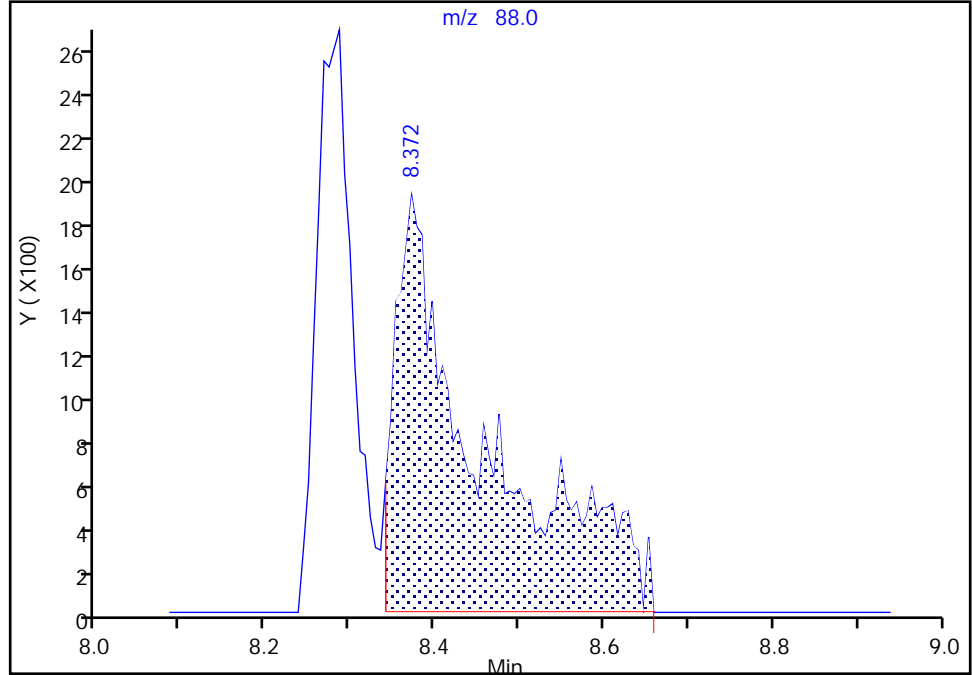
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Injection Date: 19-Jun-2023 19:22:30 Instrument ID: 19930
Lims ID: IC std4
Client ID:
Operator ID: KNK41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

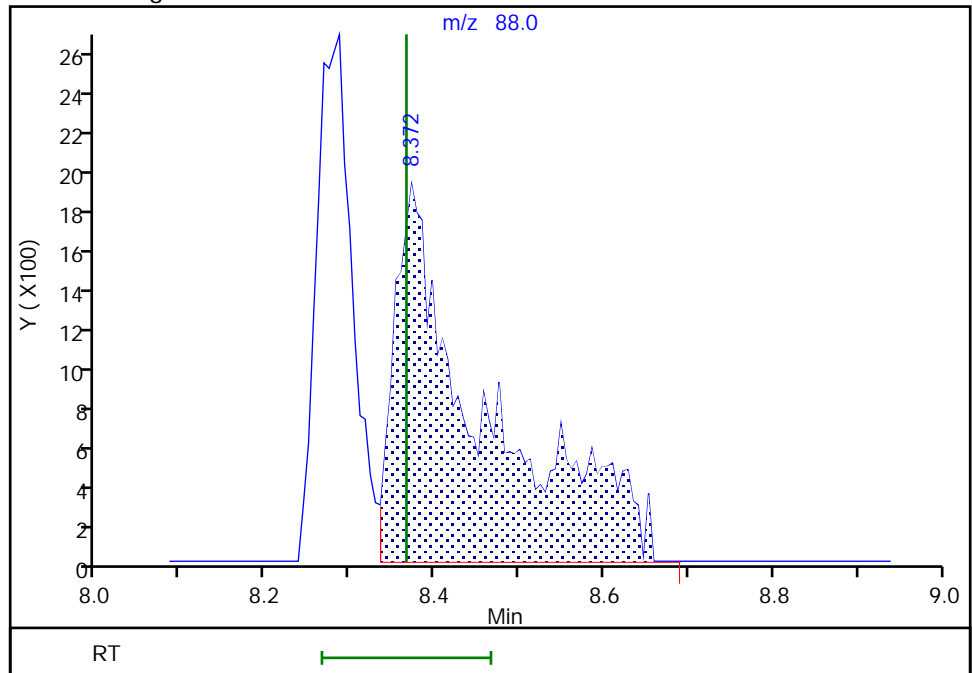
RT: 8.37
Area: 13819
Amount: 104.2969
Amount Units: ug/l

Processing Integration Results



RT: 8.37
Area: 13925
Amount: 99.329922
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:04:56 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

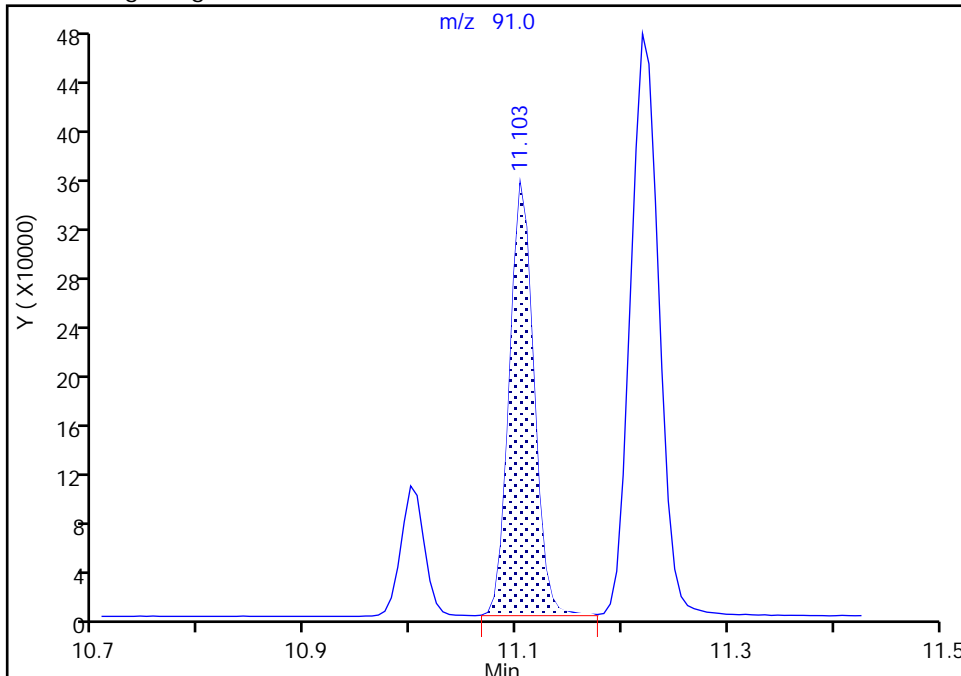
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Injection Date: 19-Jun-2023 19:22:30 Instrument ID: 19930
Lims ID: IC std4
Client ID:
Operator ID: KNK41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

108 1-Chlorohexane, CAS: 544-10-5

Signal: 1

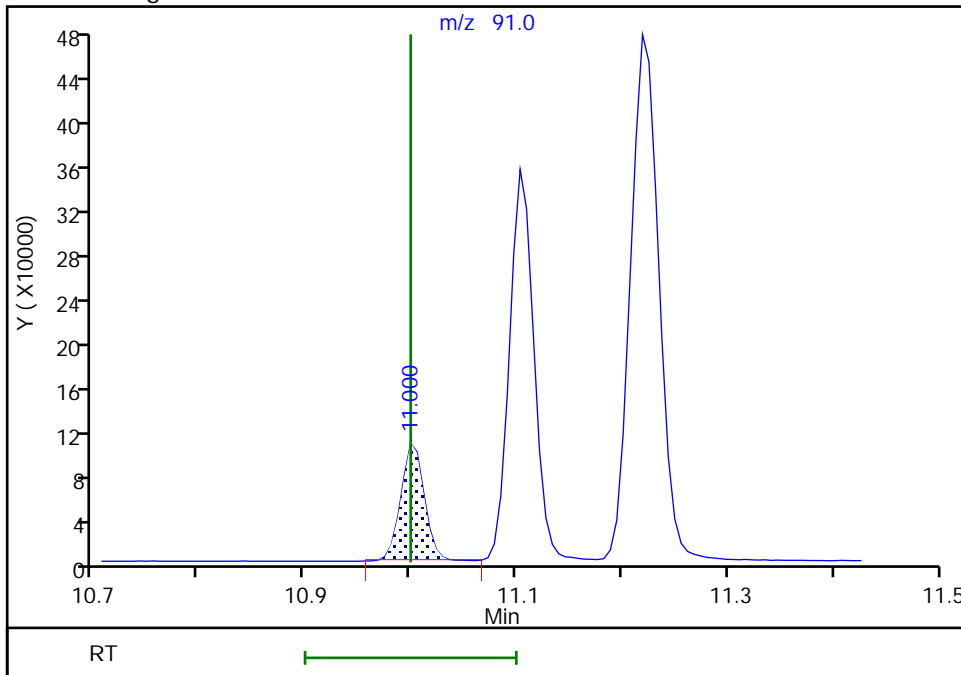
RT: 11.10
Area: 568378
Amount: 2.870285
Amount Units: ug/l

Processing Integration Results



RT: 11.00
Area: 164067
Amount: 1.968956
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 22-Jun-2023 07:47:52 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

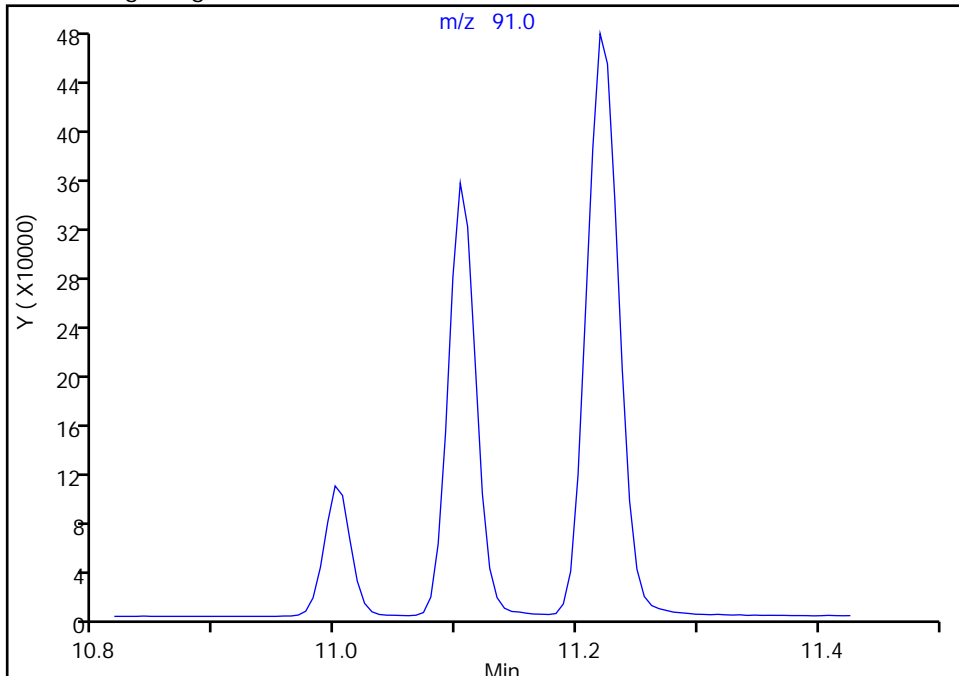
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X15.D
Injection Date: 19-Jun-2023 19:22:30 Instrument ID: 19930
Lims ID: IC std4
Client ID:
Operator ID: KNK41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

112 Ethylbenzene, CAS: 100-41-4

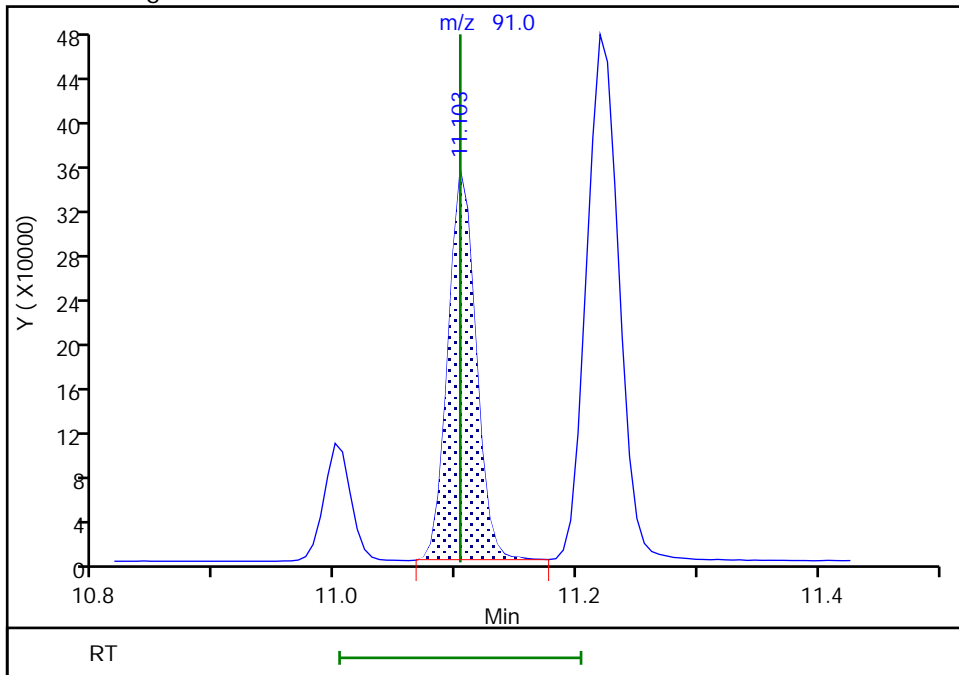
Signal: 1

Not Detected
Expected RT: 11.10

Processing Integration Results



Manual Integration Results



RT: 11.10
Area: 568378
Amount: 2.036930
Amount Units: ug/l

Eurofins Lancaster Laboratories Environment Testing, LLC

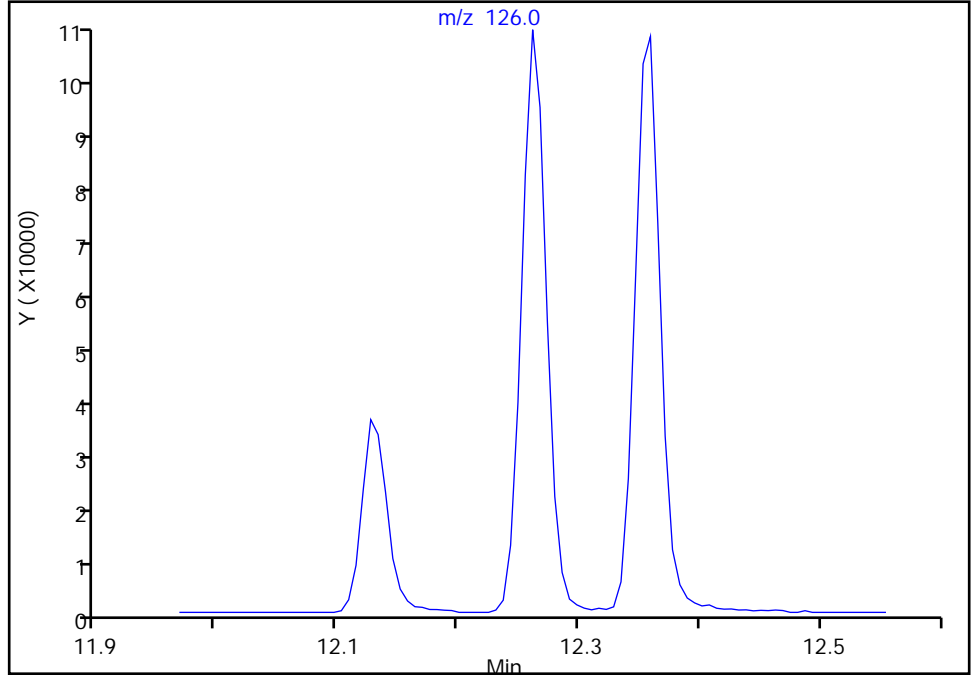
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Injection Date: 19-Jun-2023 19:22:30 Instrument ID: 19930
Lims ID: IC std4
Client ID:
Operator ID: KNK41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

126 2-Chlorotoluene, CAS: 95-49-8

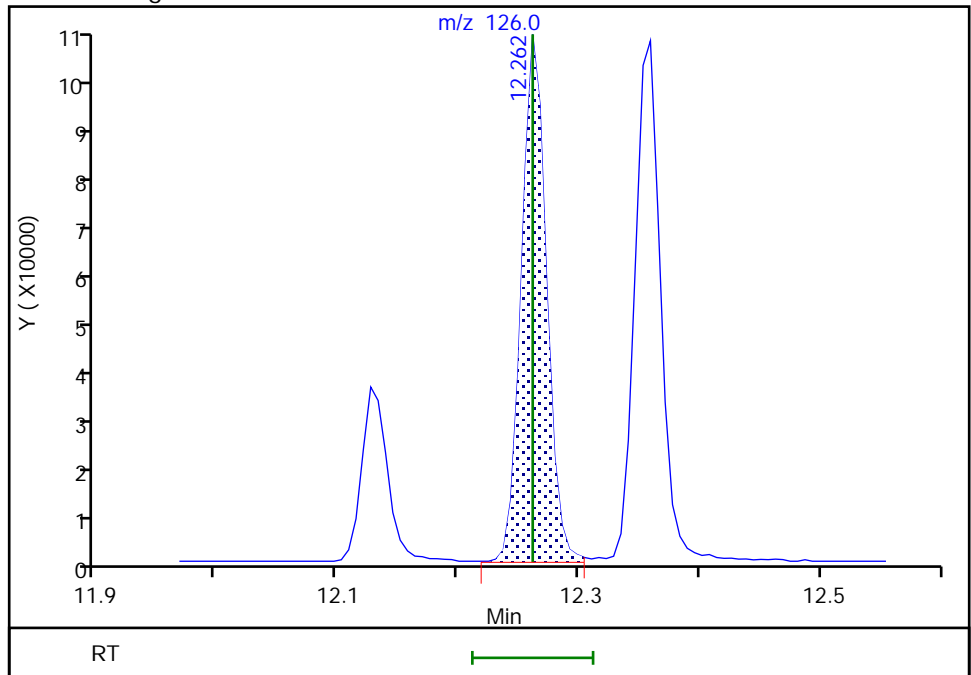
Signal: 1

Not Detected
Expected RT: 12.26

Processing Integration Results



Manual Integration Results



RT: 12.26
Area: 148498
Amount: 2.051768
Amount Units: ug/l

Reviewer: DVW2, 21-Jun-2023 15:35:10 -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\19930\20230619-86929.b\IU19X16.D
 Lims ID: IC std5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 19-Jun-2023 19:42:30 ALS Bottle#: 16 Worklist Smp#: 17
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086929-017
 Misc. Info.: LG 5.0
 Operator ID: KNK41612 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub2

Method: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Jun-2023 12:30:27 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1687

First Level Reviewer: DVW2

Date: 21-Jun-2023 08:07:10

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.849	1.855	-0.006	99	360756	5.00	4.84	
4 Chloromethane	50	2.044	2.050	-0.006	99	355971	5.00	4.70	
5 Vinyl chloride	62	2.148	2.160	-0.012	97	346234	5.00	4.78	
6 Butadiene	39	2.154	2.160	-0.006	90	325681	5.00	4.30	
7 Bromomethane	94	2.459	2.465	-0.006	91	265387	5.00	4.69	
8 Chloroethane	64	2.532	2.538	-0.006	100	204756	5.00	4.73	
9 Dichlorofluoromethane	67	2.757	2.764	-0.007	97	549690	5.00	4.55	
10 Trichlorofluoromethane	101	2.818	2.824	-0.006	97	454389	5.00	4.93	
11 Ethyl ether	59	3.044	3.050	-0.006	89	187410	5.00	4.92	
13 1,2-Dichloro-1,1,2-trifluoroethane	67	3.129	3.142	-0.013	88	308465	5.00	4.69	
14 Acrolein	56	3.196	3.209	-0.013	98	1460333	250.0	242.2	
15 1,1-Dichloroethene	96	3.330	3.337	-0.007	97	252853	5.00	5.07	
16 Acetone	43	3.361	3.361	0.000	100	325042	50.0	48.8	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.379	3.385	-0.006	91	285989	5.00	5.40	
18 Iodomethane	142	3.519	3.526	-0.007	99	535229	5.00	5.10	
19 Ethyl bromide	108	3.544	3.550	-0.006	99	210130	5.00	4.81	
20 Carbon disulfide	76	3.623	3.629	-0.006	99	686699	5.00	5.07	
23 Methyl acetate	43	3.757	3.757	0.000	96	83849	5.00	5.10	M
24 3-Chloro-1-propene	41	3.775	3.782	-0.007	91	382363	5.00	4.93	
25 Methylene Chloride	84	3.952	3.958	-0.006	89	263546	5.00	5.00	
* 26 t-Butyl alcohol-d10 (IS)	65	3.983	4.025	-0.042	96	139221	50.0	50.0	M
27 2-Methyl-2-propanol	59	4.080	4.093	-0.013	100	284492	100.0	107.4	
28 Acrylonitrile	53	4.269	4.282	-0.013	98	114187	12.5	14.1	
29 Methyl tert-butyl ether	73	4.336	4.342	-0.006	94	674458	5.00	4.92	
30 trans-1,2-Dichloroethene	96	4.342	4.355	-0.013	98	279615	5.00	5.03	
31 Hexane	57	4.775	4.781	-0.006	91	369911	5.00	5.08	
32 1,1-Dichloroethane	63	5.007	5.013	-0.006	96	486164	5.00	5.11	
35 Isopropyl ether	45	5.068	5.074	-0.006	93	787124	5.00	5.04	
36 2-Chloro-1,3-butadiene	53	5.123	5.123	0.000	90	407363	5.00	5.12	
37 Tert-butyl ethyl ether	59	5.610	5.623	-0.013	96	746447	5.00	5.00	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 2-Butanone (MEK)	43	5.806	5.812	-0.006	99	609434	50.0	47.5	
39 cis-1,2-Dichloroethene	96	5.848	5.854	-0.006	81	307184	5.00	4.97	
40 2,2-Dichloropropane	77	5.860	5.867	-0.007	86	435561	5.00	5.08	
43 Propionitrile	54	5.897	5.891	0.006	99	323734	100.0	95.4	
45 Methacrylonitrile	67	6.116	6.110	0.006	90	659307	50.0	49.2	
S 41 1,2-Dichloroethene, Total	100				0			10.0	
46 Chlorobromomethane	128	6.184	6.190	-0.006	86	139749	5.00	4.97	
47 Tetrahydrofuran	71	6.190	6.196	-0.006	78	98820	25.0	23.4	
48 Chloroform	83	6.336	6.342	-0.006	93	497602	5.00	5.06	
\$ 49 Dibromofluoromethane (Surr)	113	6.549	6.555	-0.006	95	481549	10.0	10.1	
50 1,1,1-Trichloroethane	97	6.562	6.568	-0.006	98	472367	5.00	5.15	
51 Cyclohexane	56	6.665	6.671	-0.006	88	460220	5.00	5.29	
54 Carbon tetrachloride	117	6.775	6.781	-0.006	97	428174	5.00	5.24	
53 1,1-Dichloropropene	75	6.781	6.781	0.000	96	376146	5.00	5.15	
55 Isobutyl alcohol	41	6.940	6.940	0.000	95	221312	250.0	235.2	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.000	7.013	-0.013	84	96600	10.0	10.2	
57 Benzene	78	7.037	7.043	-0.006	97	1110945	5.00	5.06	
58 1,2-Dichloroethane	62	7.110	7.116	-0.006	98	300424	5.00	5.04	
60 Tert-amyl methyl ether	73	7.238	7.244	-0.006	98	685739	5.00	4.97	
* 61 Fluorobenzene (IS)	96	7.446	7.445	0.001	98	1860774	10.0	10.0	
62 n-Heptane	43	7.464	7.470	-0.006	91	360420	5.00	5.16	
63 n-Butanol	56	7.836	7.836	0.000	88	343098	437.5	474.7	
64 Trichloroethene	95	7.933	7.933	0.000	96	309932	5.00	5.07	
65 Methylcyclohexane	83	8.244	8.244	0.000	91	524891	5.00	5.32	
66 1,2-Dichloropropane	63	8.262	8.269	-0.007	96	275849	5.00	5.08	
67 Methyl methacrylate	69	8.360	8.354	0.006	87	137311	5.00	5.20	
68 1,4-Dioxane	88	8.360	8.366	-0.006	32	41814	250.0	272.4	M
69 Dibromomethane	93	8.372	8.378	-0.006	91	137376	5.00	5.04	
71 Dichlorobromomethane	83	8.616	8.616	0.000	99	357171	5.00	5.06	
72 2-Nitropropane	41	8.878	8.884	-0.006	98	195361	25.0	22.6	
75 1-Bromo-2-chloroethane	63	9.012	9.012	0.000	98	272020	5.00	4.91	
76 cis-1,3-Dichloropropene	75	9.177	9.177	0.000	97	438752	5.00	5.18	
77 4-Methyl-2-pentanone (MIBK)	43	9.360	9.360	0.000	96	1690397	50.0	49.1	
\$ 78 Toluene-d8 (Surr)	98	9.500	9.500	0.000	93	1907167	10.0	10.0	
79 Toluene	92	9.573	9.579	-0.006	99	767071	5.00	5.11	
97 trans-1,3-Dichloropropene	75	9.841	9.848	-0.007	92	365510	5.00	5.16	
99 Ethyl methacrylate	69	9.915	9.915	0.000	88	295850	5.00	5.05	
100 1,1,2-Trichloroethane	97	10.055	10.055	0.000	90	206782	5.00	4.88	
S 98 1,3-Dichloropropene, Total	100				0			10.3	
101 Tetrachloroethene	166	10.140	10.146	-0.006	98	402350	5.00	5.14	
102 1,3-Dichloropropane	76	10.219	10.219	0.000	89	333810	5.00	4.98	
103 2-Hexanone	43	10.274	10.274	0.000	95	1188293	50.0	48.8	
105 Chlorodibromomethane	129	10.439	10.439	0.000	90	284463	5.00	5.16	
106 Ethylene Dibromide	107	10.549	10.549	0.000	98	201076	5.00	5.03	
* 107 Chlorobenzene-d5 (IS)	117	10.987	10.987	0.000	84	1479531	10.0	10.0	
108 1-Chlorohexane	91	11.000	11.000	0.000	67	432239	5.00	4.95	a
109 Chlorobenzene	112	11.012	11.018	-0.006	97	890297	5.00	5.07	
111 1,1,1,2-Tetrachloroethane	131	11.097	11.097	0.000	95	318029	5.00	5.08	
112 Ethylbenzene	91	11.103	11.103	0.000	98	1483797	5.00	5.07	a
113 m-Xylene & p-Xylene	106	11.219	11.219	0.000	93	1207085	10.0	10.2	
S 110 Xylenes, Total	106				0			15.3	
114 o-Xylene	106	11.554	11.554	0.000	96	591109	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
115 Styrene	104	11.567	11.567	0.000	94	965746	5.00	5.14	
116 Bromoform	173	11.725	11.725	0.000	98	185725	5.00	5.19	
117 Isopropylbenzene	105	11.853	11.859	-0.006	95	1555613	5.00	5.13	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.999	12.000	-0.001	96	719841	10.0	10.0	
121 1,1,2,2-Tetrachloroethane	83	12.103	12.103	0.000	93	265162	5.00	4.89	
122 Bromobenzene	156	12.115	12.115	0.000	94	395435	5.00	5.05	
123 trans-1,4-Dichloro-2-butene	53	12.128	12.128	0.000	92	631878	50.0	48.7	
124 1,2,3-Trichloropropane	110	12.146	12.146	0.000	79	73791	5.00	4.85	
125 N-Propylbenzene	91	12.188	12.189	-0.001	98	1803955	5.00	5.20	
126 2-Chlorotoluene	126	12.262	12.262	0.000	98	385471	5.00	5.09	a
127 1,3,5-Trimethylbenzene	105	12.323	12.323	0.000	95	1342032	5.00	5.08	
128 4-Chlorotoluene	126	12.353	12.353	0.000	97	393652	5.00	5.07	
129 tert-Butylbenzene	134	12.566	12.566	0.000	92	322256	5.00	5.08	
130 Pentachloroethane	167	12.597	12.597	0.000	91	248510	5.00	5.06	
131 1,2,4-Trimethylbenzene	105	12.609	12.609	0.000	96	1386678	5.00	5.11	
132 sec-Butylbenzene	105	12.731	12.731	0.000	94	1725161	5.00	5.13	
133 1,3-Dichlorobenzene	146	12.829	12.829	0.000	99	796177	5.00	5.20	
134 4-Isopropyltoluene	119	12.841	12.841	0.000	97	1559110	5.00	5.20	
* 135 1,4-Dichlorobenzene-d4	152	12.883	12.883	0.000	93	910481	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.902	12.902	0.000	96	751794	5.00	4.98	
137 1,2,3-Trimethylbenzene	120	12.914	12.914	0.000	98	620671	5.00	5.06	
138 Benzyl chloride	126	12.981	12.981	0.000	98	118785	5.00	5.10	
139 n-Butylbenzene	92	13.133	13.133	0.000	96	712295	5.00	5.31	
140 1,2-Dichlorobenzene	146	13.158	13.158	0.000	99	728454	5.00	5.07	
142 1,2-Dibromo-3-Chloropropane	155	13.706	13.700	0.006	91	45263	5.00	5.11	
143 1,3,5-Trichlorobenzene	180	13.828	13.828	0.000	97	599184	5.00	5.22	
144 1,2,4-Trichlorobenzene	180	14.249	14.249	0.000	94	483938	5.00	5.24	
145 Hexachlorobutadiene	225	14.334	14.334	0.000	95	240365	5.00	5.34	
146 Naphthalene	128	14.432	14.426	0.006	96	861870	5.00	5.13	
147 1,2,3-Trichlorobenzene	180	14.572	14.572	0.000	96	404377	5.00	5.23	
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_00081	Amount Added: 5.00	Units: uL	
MSV_LL_#2_826_00093	Amount Added: 5.00	Units: uL	
MSV_LL_GAS826_00156	Amount Added: 5.00	Units: uL	
MSV_LLcentISS_00007	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X16.D

Injection Date: 19-Jun-2023 19:42:30

Instrument ID: 19930

Operator ID: KNK41612

Lims ID: IC std5

Worklist Smp#: 17

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

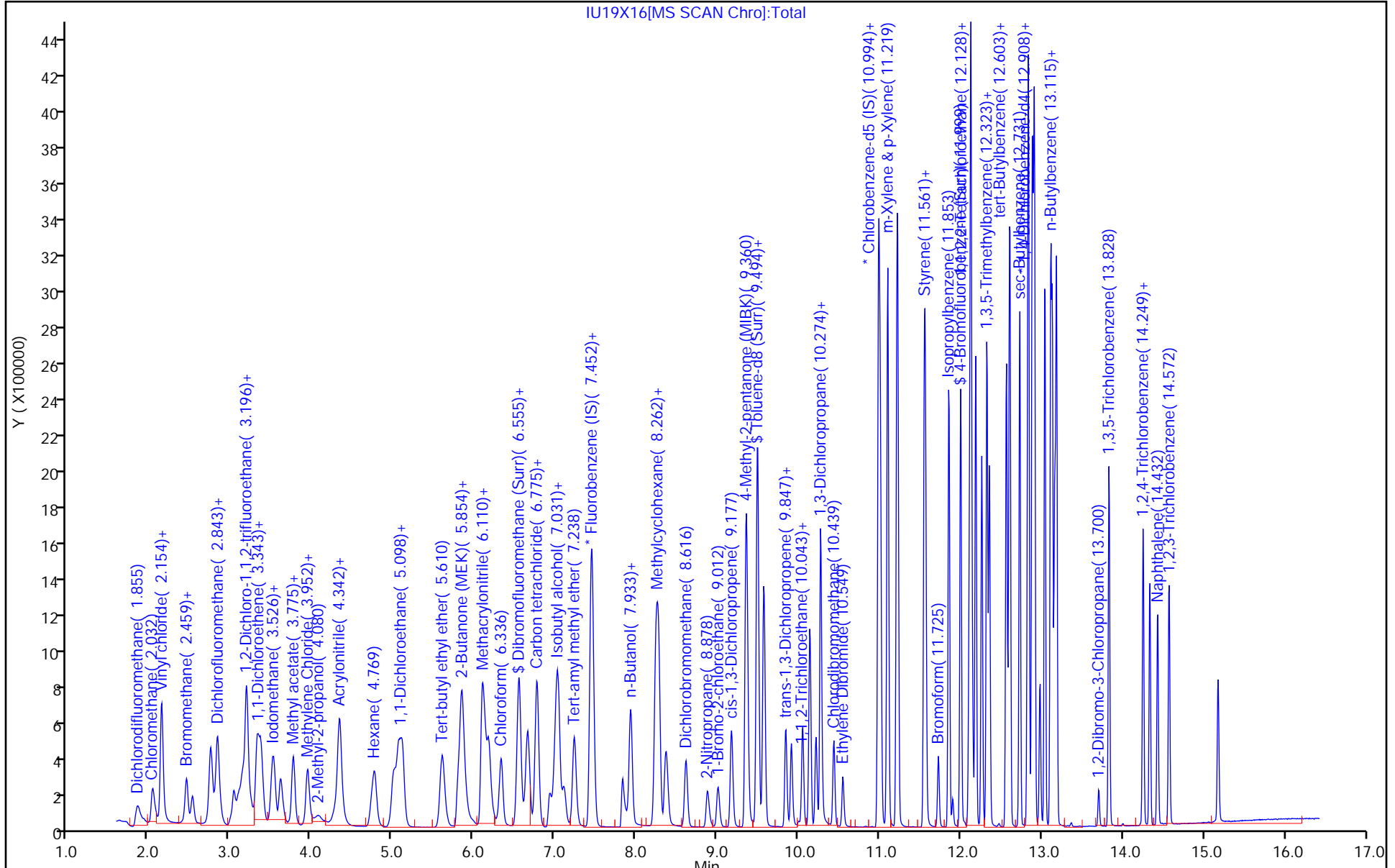
ALS Bottle#: 16

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

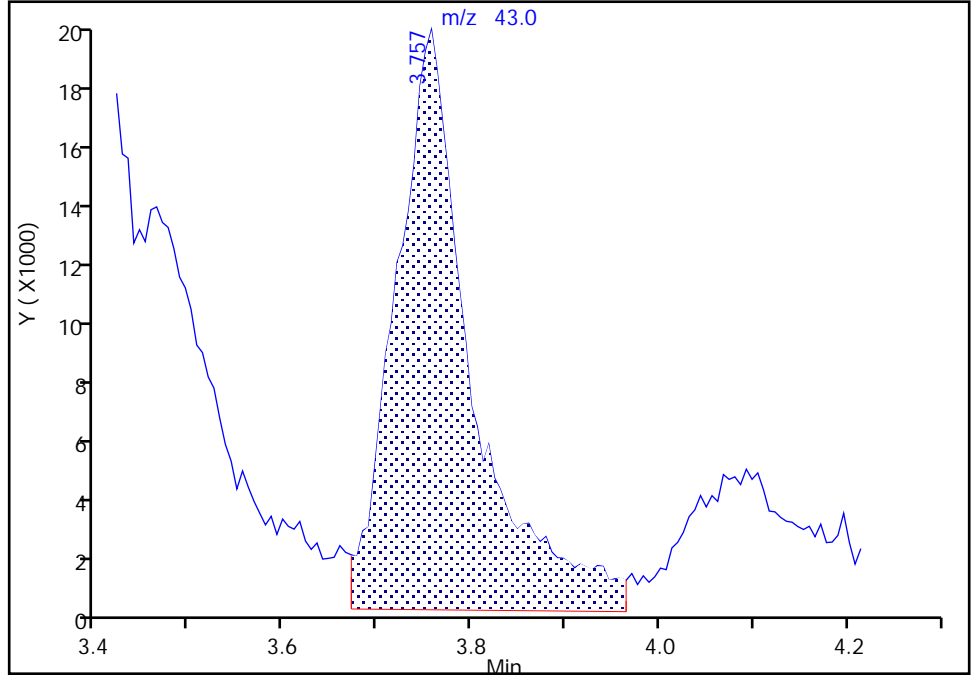
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Injection Date: 19-Jun-2023 19:42:30 Instrument ID: 19930
Lims ID: IC std5
Client ID:
Operator ID: KNK41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

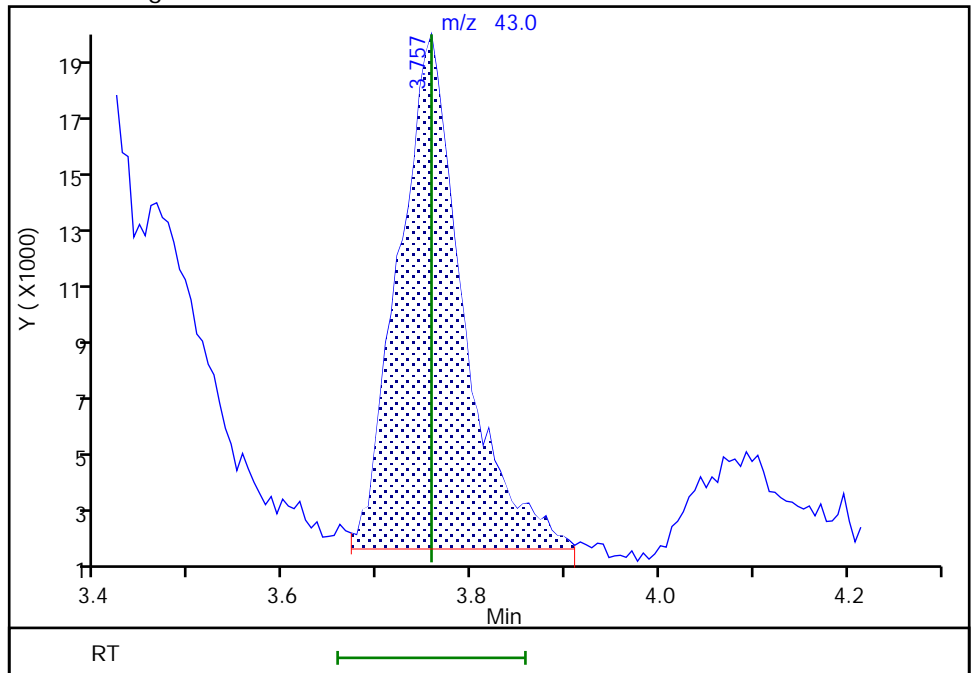
RT: 3.76
Area: 107077
Amount: 6.058921
Amount Units: ug/l

Processing Integration Results



RT: 3.76
Area: 83849
Amount: 5.102323
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:06:09 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

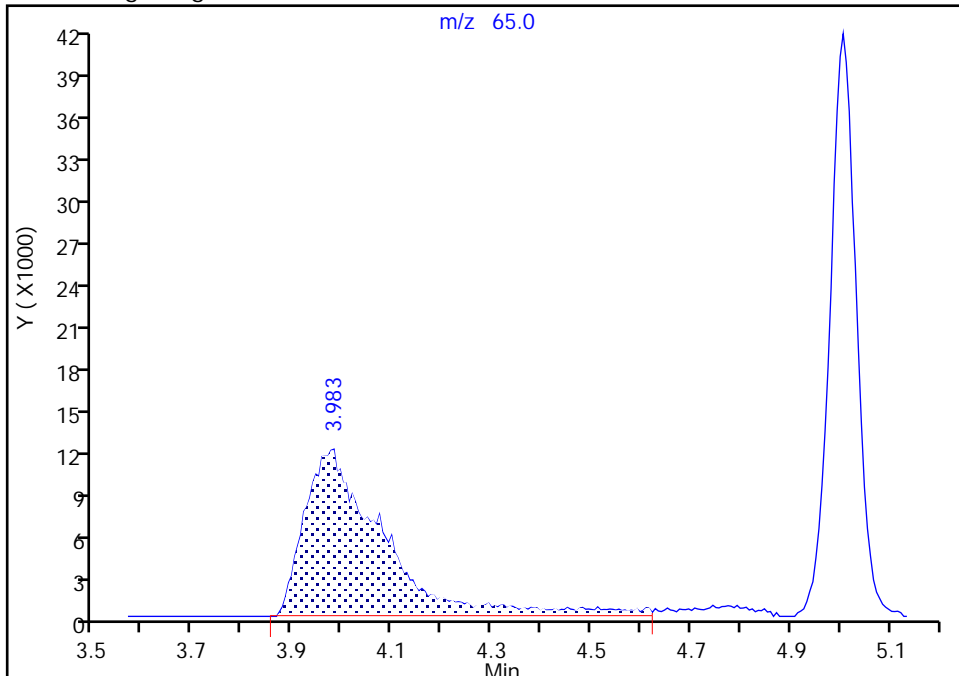
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Injection Date: 19-Jun-2023 19:42:30 Instrument ID: 19930
Lims ID: IC std5
Client ID:
Operator ID: KNK41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

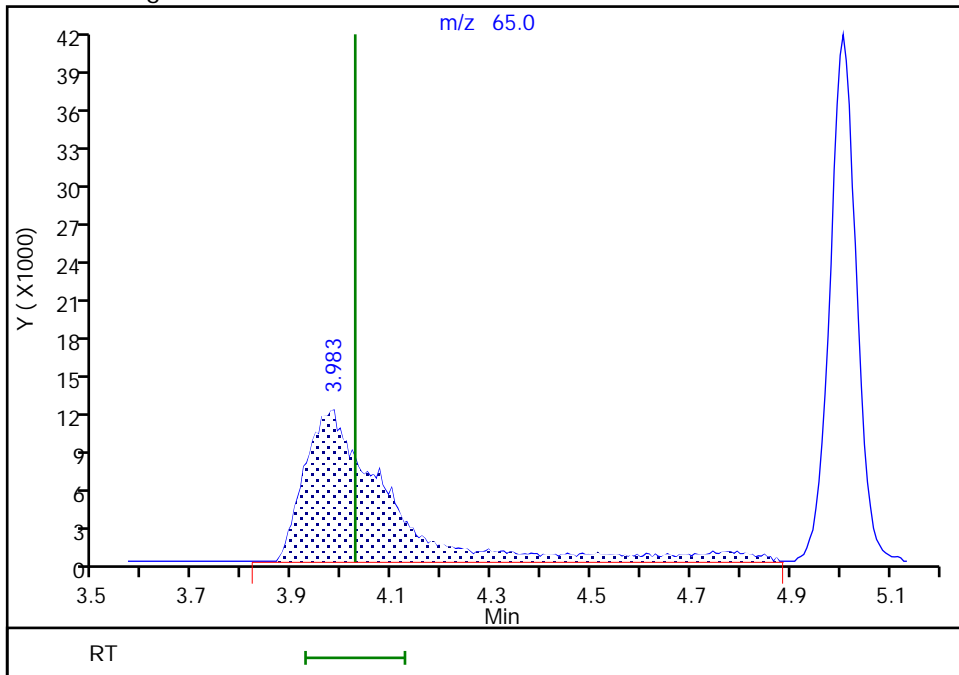
RT: 3.98
Area: 131545
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 3.98
Area: 139221
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:06:17 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins Lancaster Laboratories Environment Testing, LLC

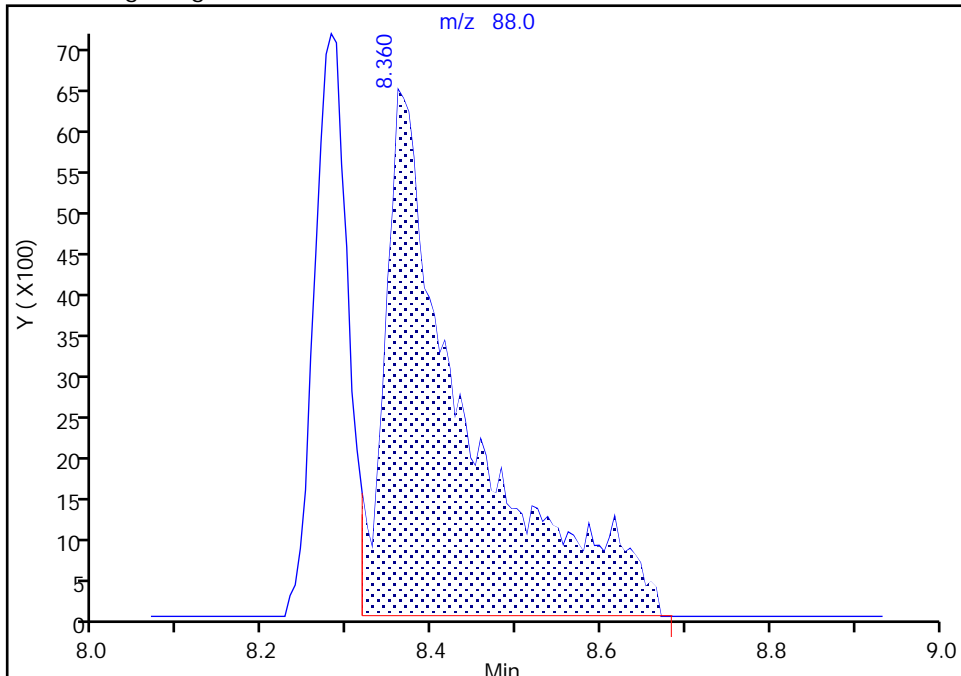
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Injection Date: 19-Jun-2023 19:42:30 Instrument ID: 19930
Lims ID: IC std5
Client ID:
Operator ID: KNK41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

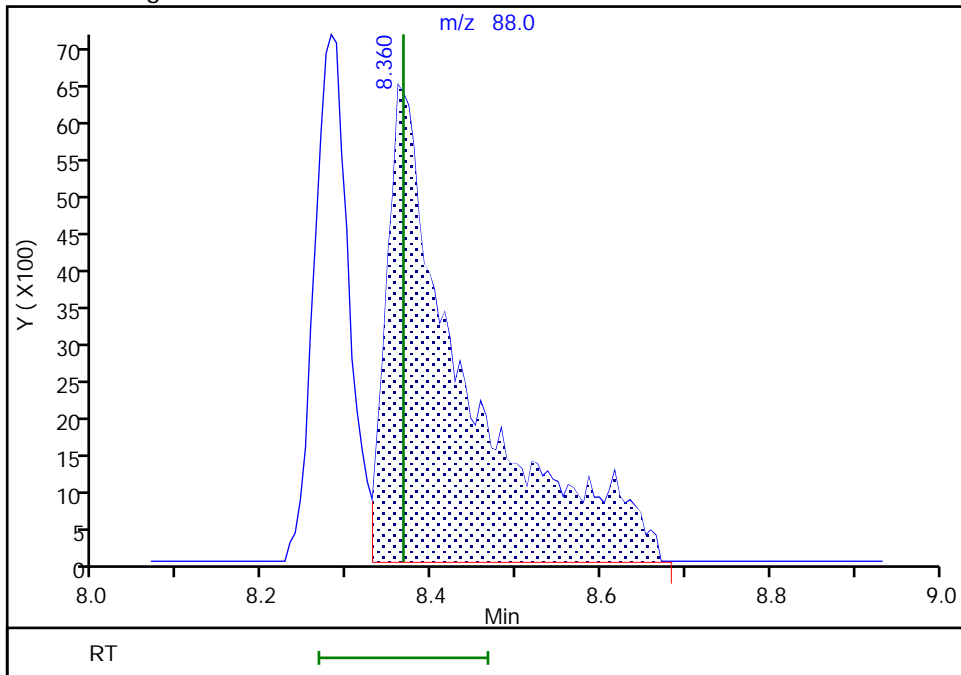
RT: 8.36
Area: 42761
Amount: 252.0352
Amount Units: ug/l

Processing Integration Results



RT: 8.36
Area: 41814
Amount: 272.3748
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:06:38 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

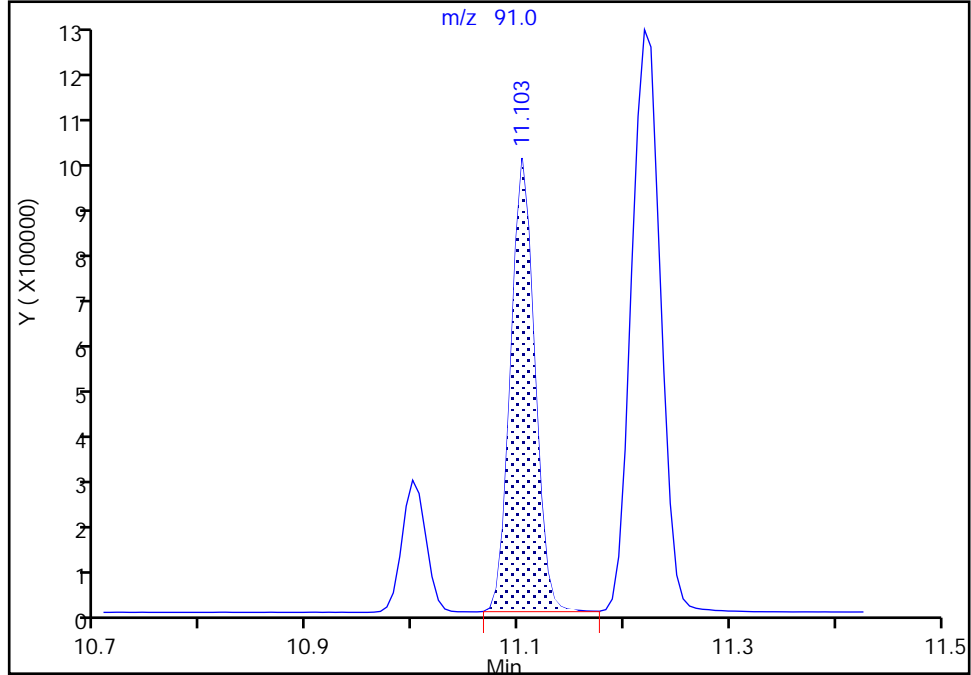
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Injection Date: 19-Jun-2023 19:42:30 Instrument ID: 19930
Lims ID: IC std5
Client ID:
Operator ID: KNK41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

108 1-Chlorohexane, CAS: 544-10-5

Signal: 1

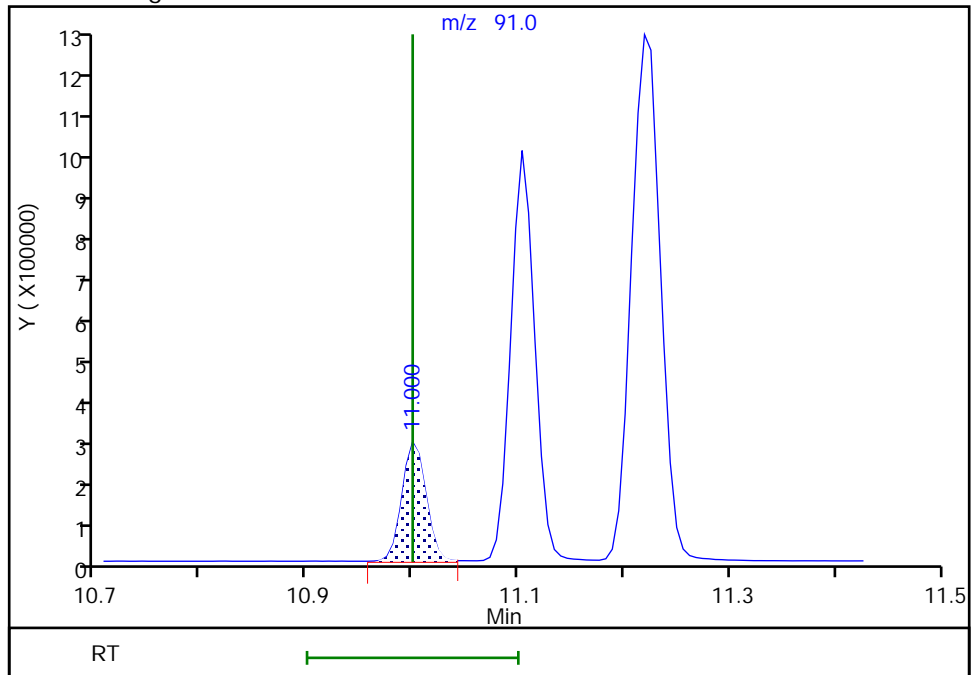
RT: 11.10
Area: 1491281
Amount: 8.413378
Amount Units: ug/l

Processing Integration Results



RT: 11.00
Area: 432239
Amount: 4.949956
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 22-Jun-2023 07:48:04 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Euofins Lancaster Laboratories Environment Testing, LLC

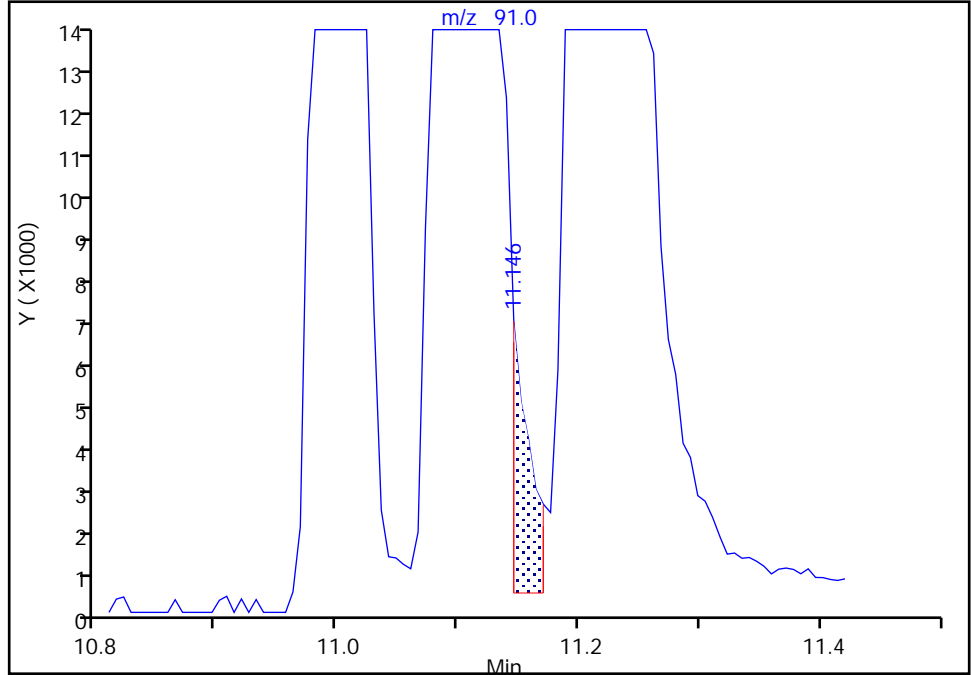
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X16.D
Injection Date: 19-Jun-2023 19:42:30 Instrument ID: 19930
Lims ID: IC std5
Client ID:
Operator ID: KNK41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

112 Ethylbenzene, CAS: 100-41-4

Signal: 1

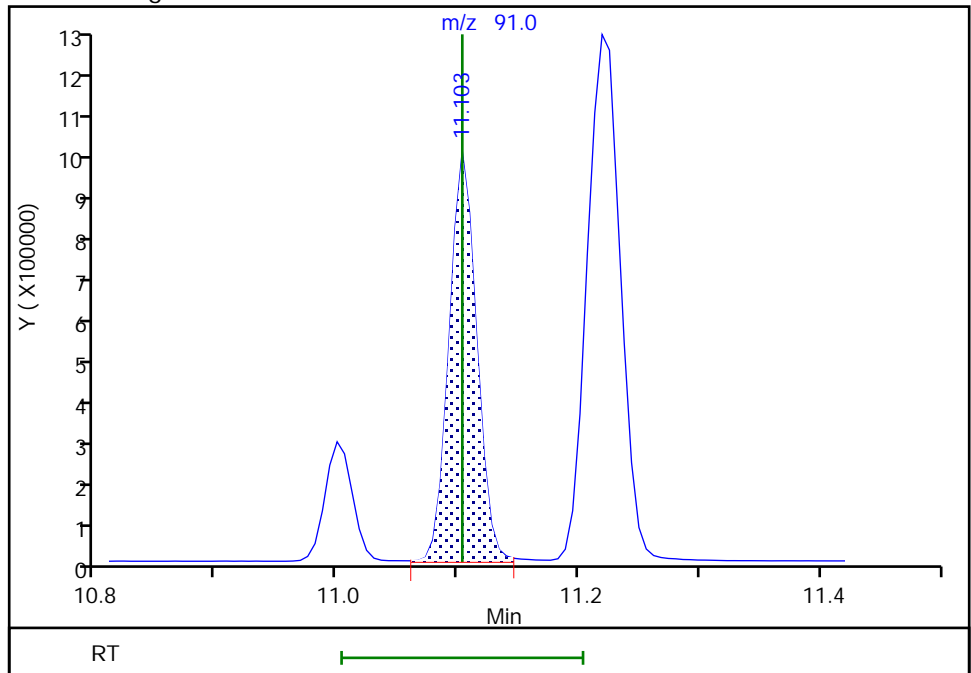
RT: 11.15
Area: 6971
Amount: 0.021435
Amount Units: ug/l

Processing Integration Results



RT: 11.10
Area: 1483797
Amount: 5.074298
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 15:38:43 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

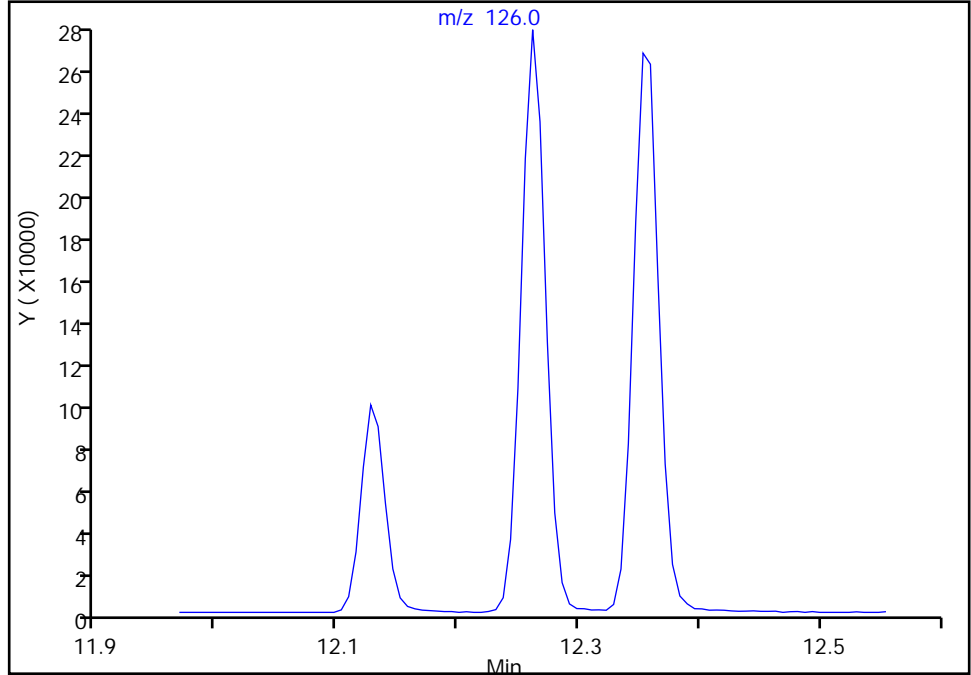
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Injection Date: 19-Jun-2023 19:42:30 Instrument ID: 19930
Lims ID: IC std5
Client ID:
Operator ID: KNK41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

126 2-Chlorotoluene, CAS: 95-49-8

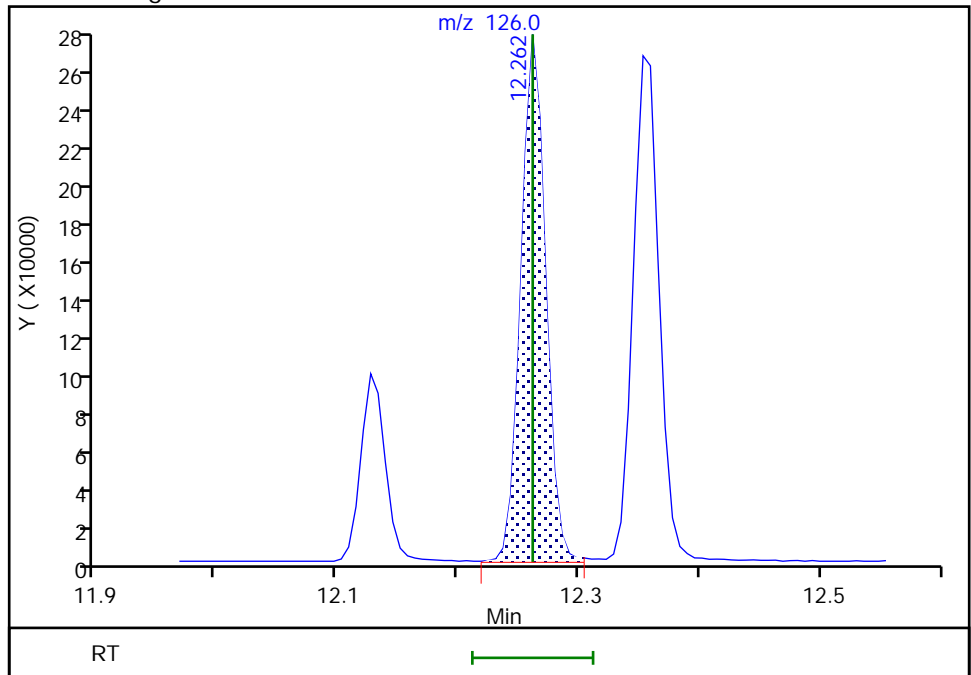
Signal: 1

Not Detected
Expected RT: 12.26

Processing Integration Results



Manual Integration Results



RT: 12.26
Area: 385471
Amount: 5.091250
Amount Units: ug/l

Reviewer: DVW2, 21-Jun-2023 15:38:46 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
 Lims ID: ICIS std6 LG
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 19-Jun-2023 20:03:30 ALS Bottle#: 17 Worklist Smp#: 18
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086929-018
 Misc. Info.: LG 10.0
 Operator ID: KNK41612 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub2

Method: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Jun-2023 12:30:34 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1687

First Level Reviewer: DVW2

Date: 21-Jun-2023 07:41:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.855	1.855	0.000	99	731790	10.0	10.1	
4 Chloromethane	50	2.050	2.050	0.000	99	711149	10.0	9.67	a
5 Vinyl chloride	62	2.160	2.160	0.000	98	695810	10.0	9.89	
6 Butadiene	39	2.160	2.160	0.000	91	661981	10.0	8.99	M
7 Bromomethane	94	2.465	2.465	0.000	90	529829	10.0	9.65	
8 Chloroethane	64	2.538	2.538	0.000	99	408968	10.0	9.72	
9 Dichlorofluoromethane	67	2.764	2.764	0.000	97	1102425	10.0	9.38	
10 Trichlorofluoromethane	101	2.824	2.824	0.000	96	931553	10.0	10.4	
11 Ethyl ether	59	3.050	3.050	0.000	90	379387	10.0	10.3	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.142	3.142	0.000	94	618203	10.0	9.68	
14 Acrolein	56	3.209	3.209	0.000	98	2946849	500.0	520.4	
15 1,1-Dichloroethene	96	3.337	3.337	0.000	97	491920	10.0	10.1	a
16 Acetone	43	3.361	3.361	0.000	99	590923	100.0	94.5	a
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.385	3.385	0.000	91	552493	10.0	10.7	a
18 Iodomethane	142	3.526	3.526	0.000	99	1046658	10.0	10.3	a
19 Ethyl bromide	108	3.550	3.550	0.000	98	433776	10.0	10.2	a
20 Carbon disulfide	76	3.629	3.629	0.000	99	1353487	10.0	10.3	a
23 Methyl acetate	43	3.757	3.757	0.000	96	165612	10.0	10.7	Ma
24 3-Chloro-1-propene	41	3.782	3.782	0.000	91	754668	10.0	10.0	a
25 Methylene Chloride	84	3.958	3.958	0.000	89	518296	10.0	10.1	a
* 26 t-Butyl alcohol-d10 (IS)	65	3.977	3.977	0.000	95	130775	50.0	50.0	M
27 2-Methyl-2-propanol	59	4.093	4.093	0.000	99	419183	200.0	168.5	Ma
28 Acrylonitrile	53	4.282	4.282	0.000	97	215747	25.0	28.4	a
29 Methyl tert-butyl ether	73	4.342	4.342	0.000	94	1328588	10.0	9.99	a
30 trans-1,2-Dichloroethene	96	4.355	4.355	0.000	99	549965	10.0	10.2	a
31 Hexane	57	4.781	4.781	0.000	91	747981	10.0	10.6	a
32 1,1-Dichloroethane	63	5.013	5.013	0.000	96	957603	10.0	10.4	a
35 Isopropyl ether	45	5.074	5.074	0.000	93	1538859	10.0	10.1	a
36 2-Chloro-1,3-butadiene	53	5.123	5.123	0.000	90	806204	10.0	10.4	a
37 Tert-butyl ethyl ether	59	5.623	5.623	0.000	96	1475081	10.0	10.2	a

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	5.812	5.812	0.000	99	1212881	100.0	100.6	a
39 cis-1,2-Dichloroethene	96	5.854	5.854	0.000	81	607013	10.0	10.1	a
40 2,2-Dichloropropane	77	5.867	5.867	0.000	86	853357	10.0	10.2	a
43 Propionitrile	54	5.891	5.891	0.000	98	686213	200.0	215.3	a
45 Methacrylonitrile	67	6.110	6.110	0.000	90	1304884	100.0	103.7	a
46 Chlorobromomethane	128	6.190	6.190	0.000	86	278362	10.0	10.2	a
47 Tetrahydrofuran	71	6.196	6.196	0.000	74	200641	50.0	50.6	a
48 Chloroform	83	6.342	6.342	0.000	94	973119	10.0	10.2	a
\$ 49 Dibromofluoromethane (Surr)	113	6.555	6.555	0.000	94	464653	10.0	10.0	a
50 1,1,1-Trichloroethane	97	6.568	6.568	0.000	98	914467	10.0	10.3	a
51 Cyclohexane	56	6.671	6.671	0.000	88	898646	10.0	10.6	a
54 Carbon tetrachloride	117	6.781	6.781	0.000	97	847817	10.0	10.7	a
53 1,1-Dichloropropene	75	6.781	6.781	0.000	95	738645	10.0	10.4	a
55 Isobutyl alcohol	41	6.940	6.940	0.000	94	408183	500.0	461.8	a
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.013	7.013	0.000	73	91929	10.0	9.99	a
57 Benzene	78	7.043	7.043	0.000	96	2192041	10.0	10.3	a
58 1,2-Dichloroethane	62	7.116	7.116	0.000	97	589464	10.0	10.2	a
60 Tert-amyl methyl ether	73	7.244	7.244	0.000	98	1374850	10.0	10.3	a
* 61 Fluorobenzene (IS)	96	7.452	7.452	0.000	99	1807671	10.0	10.0	a
62 n-Heptane	43	7.470	7.470	0.000	90	722856	10.0	10.6	a
63 n-Butanol	56	7.836	7.836	0.000	87	662655	875.0	976.0	a
64 Trichloroethene	95	7.933	7.933	0.000	96	615027	10.0	10.4	a
65 Methylcyclohexane	83	8.244	8.244	0.000	91	1036558	10.0	10.8	a
66 1,2-Dichloropropane	63	8.269	8.269	0.000	96	544394	10.0	10.3	a
67 Methyl methacrylate	69	8.354	8.354	0.000	93	276225	10.0	11.1	a
68 1,4-Dioxane	88	8.366	8.366	0.000	68	79624	500.0	552.2	M
69 Dibromomethane	93	8.378	8.378	0.000	91	271761	10.0	10.3	a
71 Dichlorobromomethane	83	8.616	8.616	0.000	99	705073	10.0	10.3	a
72 2-Nitropropane	41	8.884	8.884	0.000	97	394504	50.0	48.7	
75 1-Bromo-2-chloroethane	63	9.012	9.012	0.000	98	557990	10.0	10.4	a
76 cis-1,3-Dichloropropene	75	9.177	9.177	0.000	97	875051	10.0	10.6	
77 4-Methyl-2-pentanone (MIBK)	43	9.360	9.360	0.000	96	3378679	100.0	104.4	
\$ 78 Toluene-d8 (Surr)	98	9.500	9.500	0.000	93	1851132	10.0	10.0	a
79 Toluene	92	9.579	9.579	0.000	99	1497015	10.0	10.3	
97 trans-1,3-Dichloropropene	75	9.848	9.848	0.000	92	742761	10.0	10.8	
99 Ethyl methacrylate	69	9.915	9.915	0.000	88	594538	10.0	10.4	
100 1,1,2-Trichloroethane	97	10.055	10.055	0.000	90	412606	10.0	10.0	
101 Tetrachloroethene	166	10.146	10.146	0.000	98	788455	10.0	10.4	
102 1,3-Dichloropropane	76	10.219	10.219	0.000	89	668224	10.0	10.2	
103 2-Hexanone	43	10.274	10.274	0.000	96	2392308	100.0	104.5	
105 Chlorodibromomethane	129	10.439	10.439	0.000	89	568456	10.0	10.6	
106 Ethylene Dibromide	107	10.549	10.549	0.000	98	404683	10.0	10.4	
* 107 Chlorobenzene-d5 (IS)	117	10.988	10.988	0.000	86	1439976	10.0	10.0	
108 1-Chlorohexane	91	11.000	11.000	0.000	95	850962	10.0	10.0	a
109 Chlorobenzene	112	11.018	11.018	0.000	97	1747675	10.0	10.2	
111 1,1,1,2-Tetrachloroethane	131	11.097	11.097	0.000	97	629258	10.0	10.3	
112 Ethylbenzene	91	11.103	11.103	0.000	98	2922252	10.0	10.3	a
113 m-Xylene & p-Xylene	106	11.219	11.219	0.000	93	2378256	20.0	20.7	
114 o-Xylene	106	11.554	11.554	0.000	95	1173518	10.0	10.3	
115 Styrene	104	11.567	11.567	0.000	95	1913392	10.0	10.5	
116 Bromoform	173	11.725	11.725	0.000	98	380006	10.0	10.9	
117 Isopropylbenzene	105	11.859	11.859	0.000	95	3058543	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	12.000	12.000	0.000	96	698444	10.0	10.0	a
121 1,1,2,2-Tetrachloroethane	83	12.103	12.103	0.000	93	534348	10.0	10.1	
122 Bromobenzene	156	12.115	12.115	0.000	95	773433	10.0	10.2	
123 trans-1,4-Dichloro-2-butene	53	12.128	12.128	0.000	91	1271163	100.0	104.4	
124 1,2,3-Trichloropropane	110	12.146	12.146	0.000	81	148764	10.0	10.1	
125 N-Propylbenzene	91	12.189	12.189	0.000	98	3497528	10.0	10.4	
126 2-Chlorotoluene	126	12.262	12.262	0.000	98	760985	10.0	10.3	a
127 1,3,5-Trimethylbenzene	105	12.323	12.323	0.000	95	2654457	10.0	10.3	
128 4-Chlorotoluene	126	12.353	12.353	0.000	95	763897	10.0	10.1	a
129 tert-Butylbenzene	134	12.566	12.566	0.000	92	640020	10.0	10.4	
130 Pentachloroethane	167	12.597	12.597	0.000	91	511060	10.0	10.7	
131 1,2,4-Trimethylbenzene	105	12.609	12.609	0.000	96	2718845	10.0	10.3	a
132 sec-Butylbenzene	105	12.731	12.731	0.000	94	3403512	10.0	10.4	
133 1,3-Dichlorobenzene	146	12.829	12.829	0.000	99	1543368	10.0	10.4	
134 4-Isopropyltoluene	119	12.841	12.841	0.000	97	3071854	10.0	10.6	
* 135 1,4-Dichlorobenzene-d4	152	12.884	12.884	0.000	93	884528	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.902	12.902	0.000	95	1479609	10.0	10.1	
137 1,2,3-Trimethylbenzene	120	12.914	12.914	0.000	98	1208040	10.0	10.1	
138 Benzyl chloride	126	12.981	12.981	0.000	98	244410	10.0	10.8	a
139 n-Butylbenzene	92	13.133	13.133	0.000	97	1402209	10.0	10.8	
140 1,2-Dichlorobenzene	146	13.158	13.158	0.000	99	1428274	10.0	10.2	
142 1,2-Dibromo-3-Chloropropane	155	13.700	13.700	0.000	91	91829	10.0	10.7	
143 1,3,5-Trichlorobenzene	180	13.828	13.828	0.000	98	1180993	10.0	10.6	
144 1,2,4-Trichlorobenzene	180	14.249	14.249	0.000	94	976458	10.0	10.9	
145 Hexachlorobutadiene	225	14.334	14.334	0.000	95	466073	10.0	10.7	
146 Naphthalene	128	14.426	14.426	0.000	96	1695646	10.0	10.4	a
147 1,2,3-Trichlorobenzene	180	14.572	14.572	0.000	96	801092	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

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00081	Amount Added: 10.00	Units: uL	
MSV_LL_#2_826_00093	Amount Added: 10.00	Units: uL	
MSV_LL_GAS826_00156	Amount Added: 10.00	Units: uL	
MSV_LLcentISS_00007	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D

Injection Date: 19-Jun-2023 20:03:30

Instrument ID: 19930

Operator ID: KNK41612

Lims ID: ICIS std6 LG

Worklist Smp#: 18

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

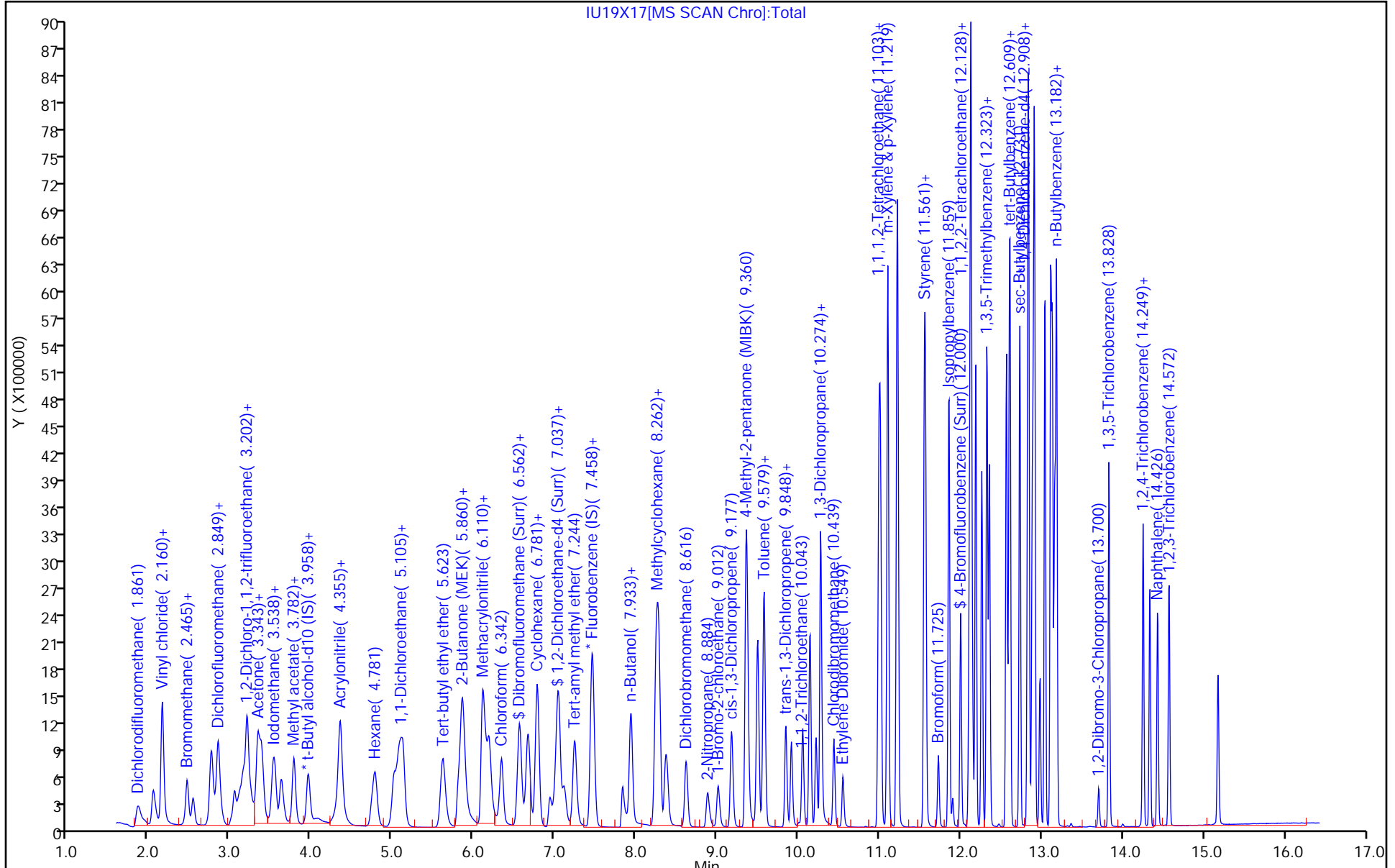
ALS Bottle#: 17

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

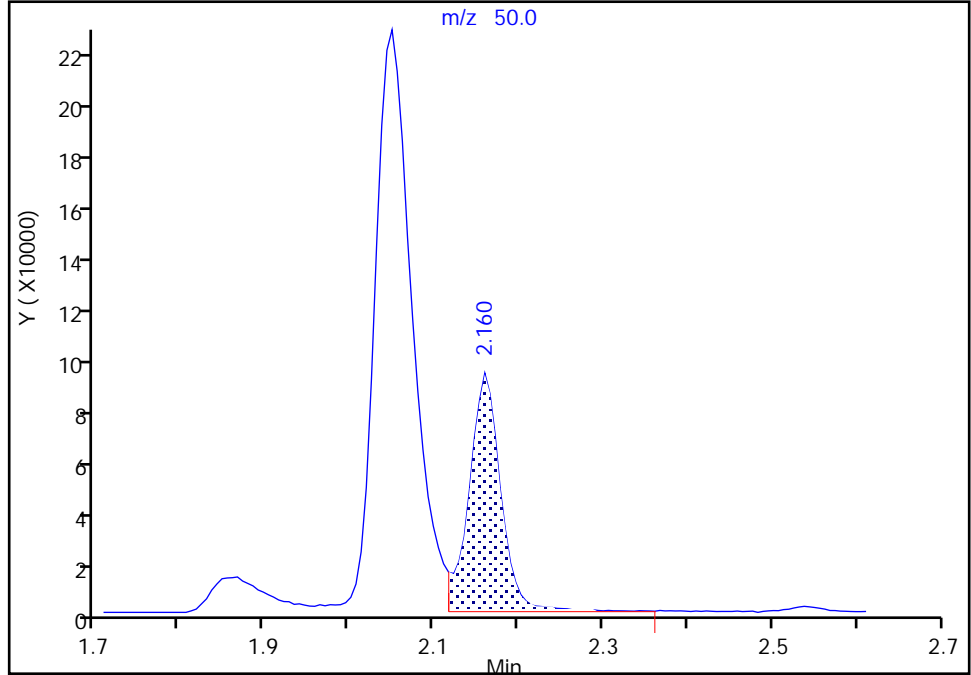
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Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

4 Chloromethane, CAS: 74-87-3

Signal: 1

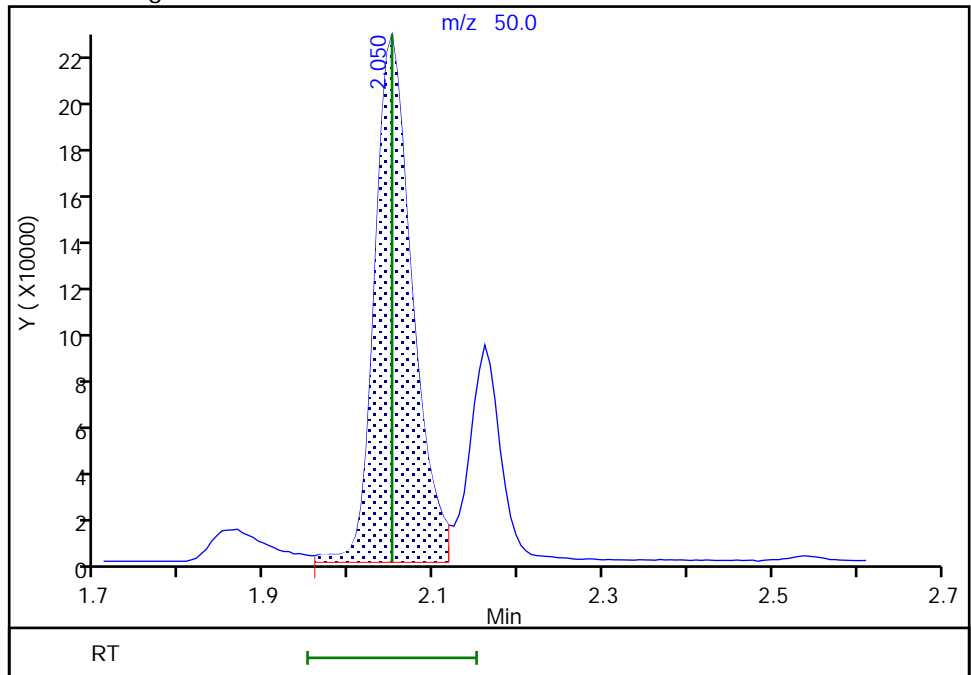
RT: 2.16
Area: 250430
Amount: 0.112854
Amount Units: ug/l

Processing Integration Results



RT: 2.05
Area: 711149
Amount: 9.671244
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:36:29 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

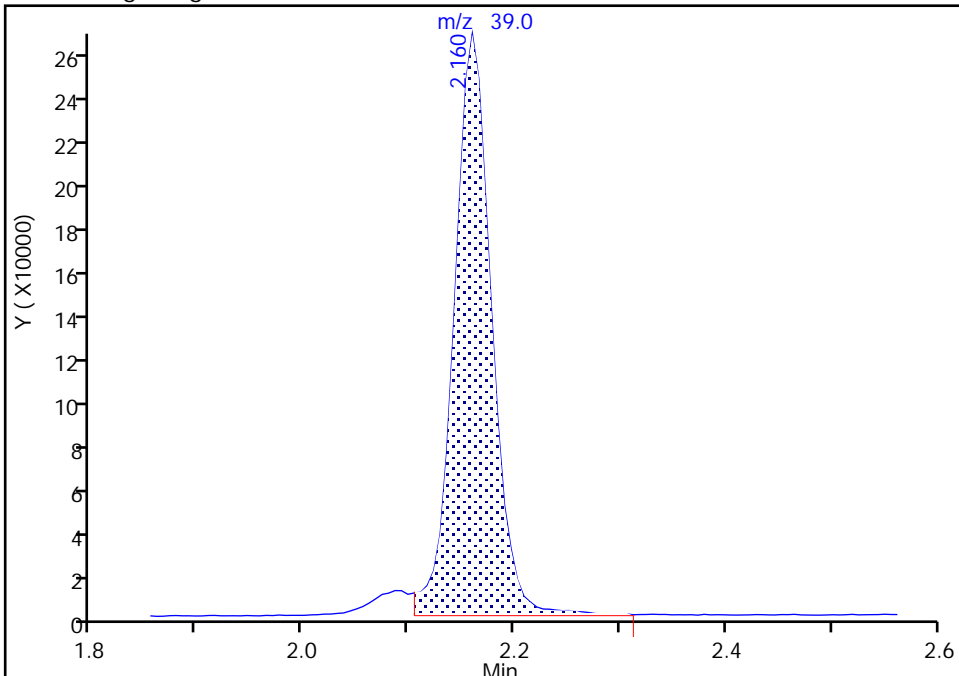
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Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

6 Butadiene, CAS: 106-99-0

Signal: 1

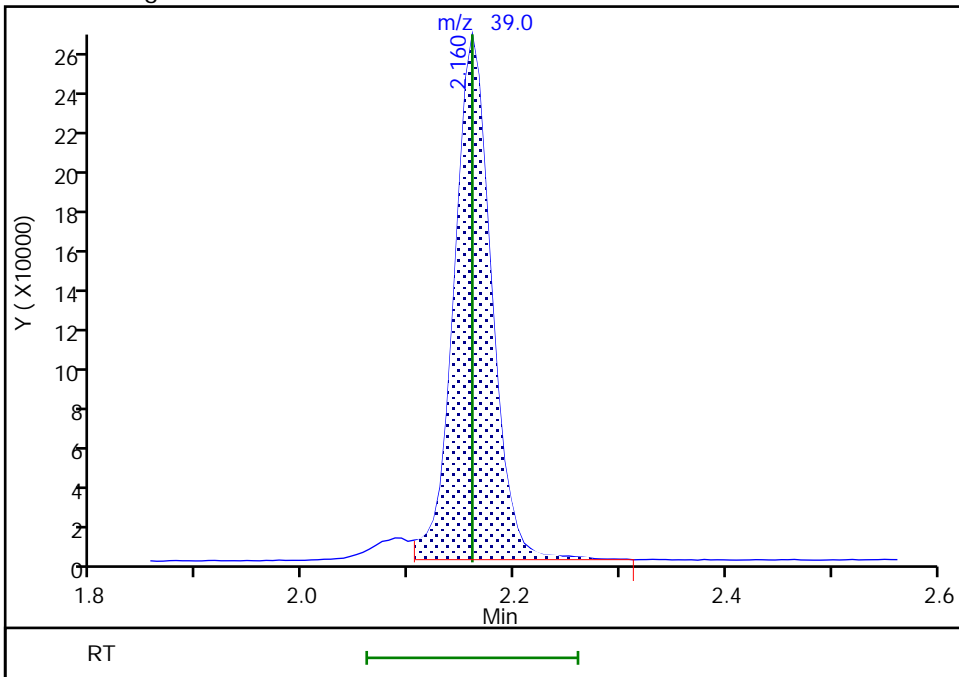
RT: 2.16
Area: 663703
Amount: 9.006732
Amount Units: ug/l

Processing Integration Results



RT: 2.16
Area: 661981
Amount: 8.992016
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:07:48 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

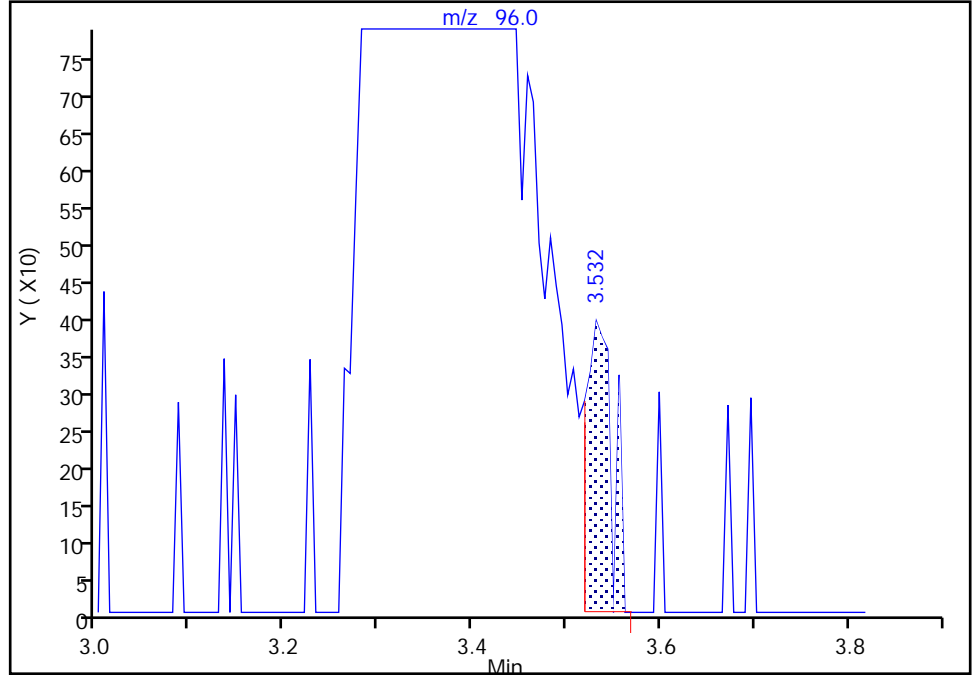
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Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

15 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

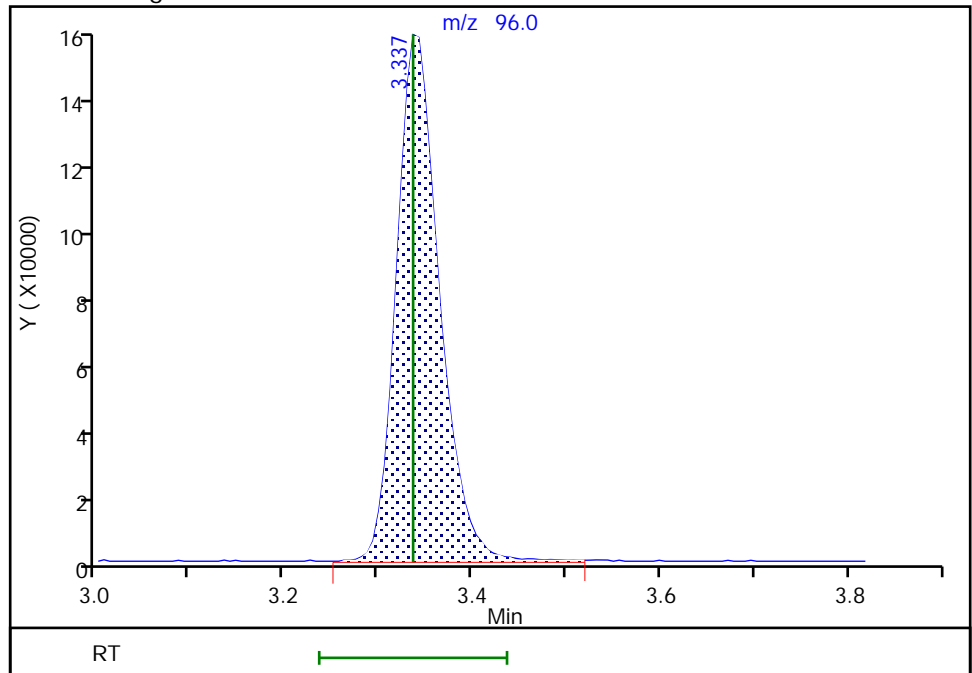
RT: 3.53
Area: 754
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 3.34
Area: 491920
Amount: 10.146958
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:36:52 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

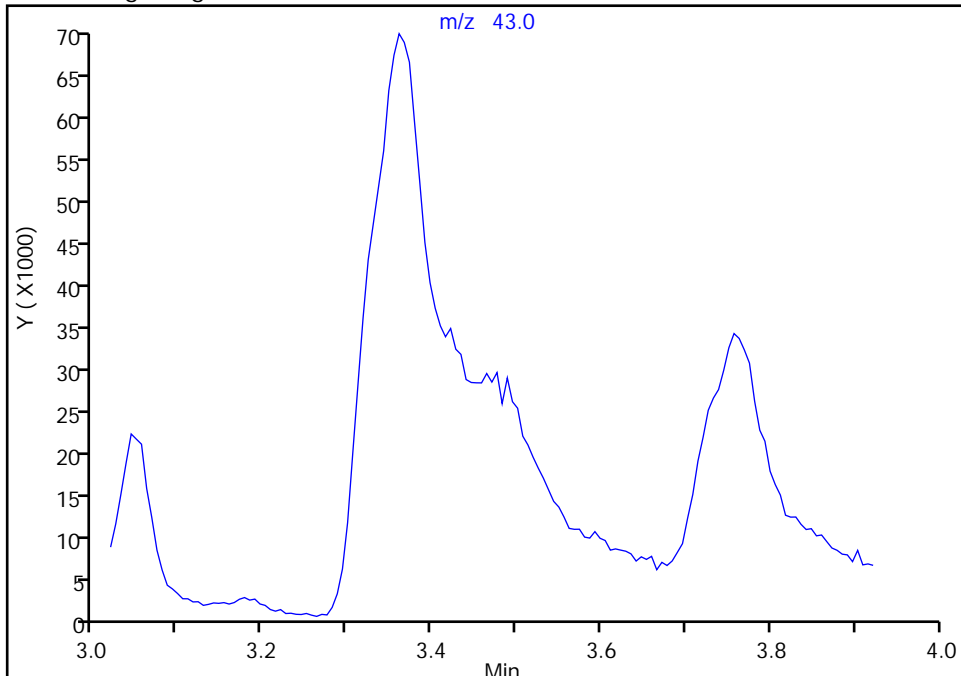
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Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

16 Acetone, CAS: 67-64-1

Signal: 1

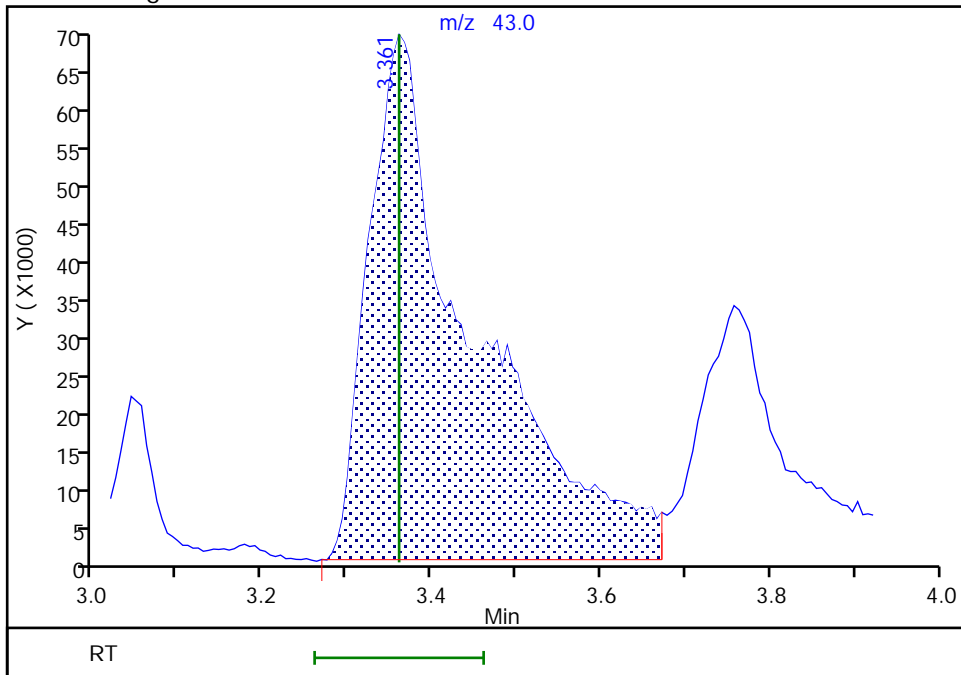
Not Detected
Expected RT: 3.36

Processing Integration Results



Manual Integration Results

RT: 3.36
Area: 590923
Amount: 94.472856
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:36:43 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

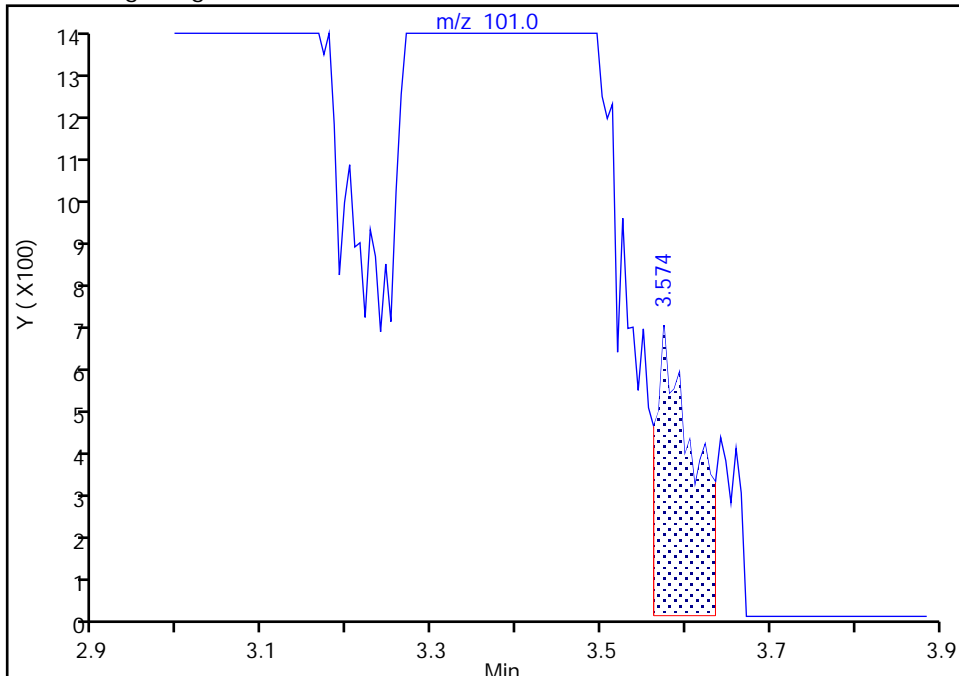
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
 Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
 Lims ID: ICIS std6 LG
 Client ID:
 Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
 Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

17 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

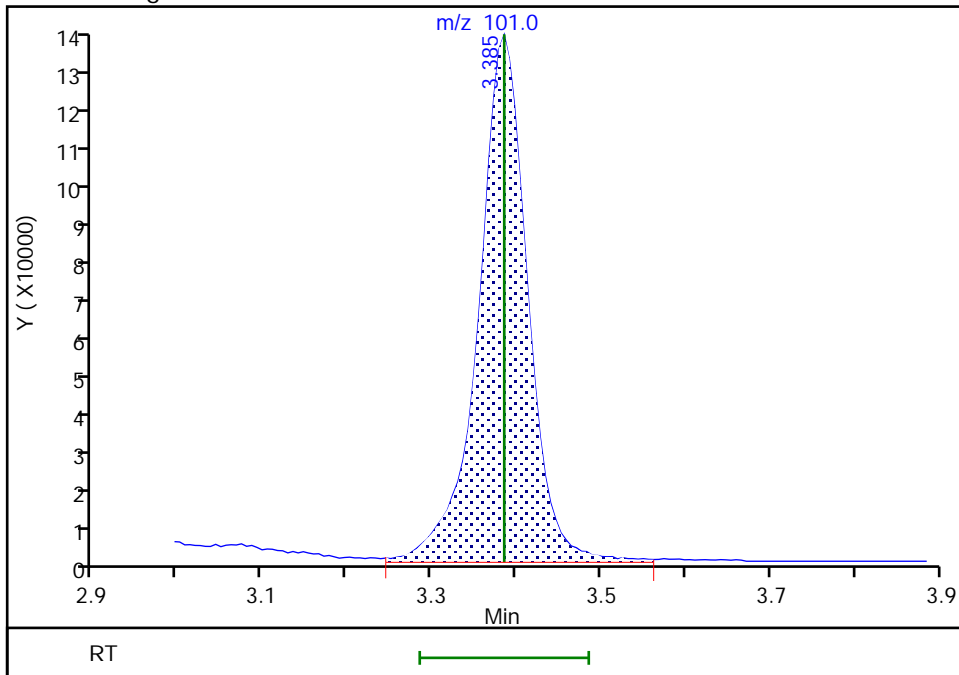
RT: 3.57
 Area: 2114
 Amount: 10.000000
 Amount Units: ug/l

Processing Integration Results



RT: 3.39
 Area: 552493
 Amount: 10.737007
 Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:36:55 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

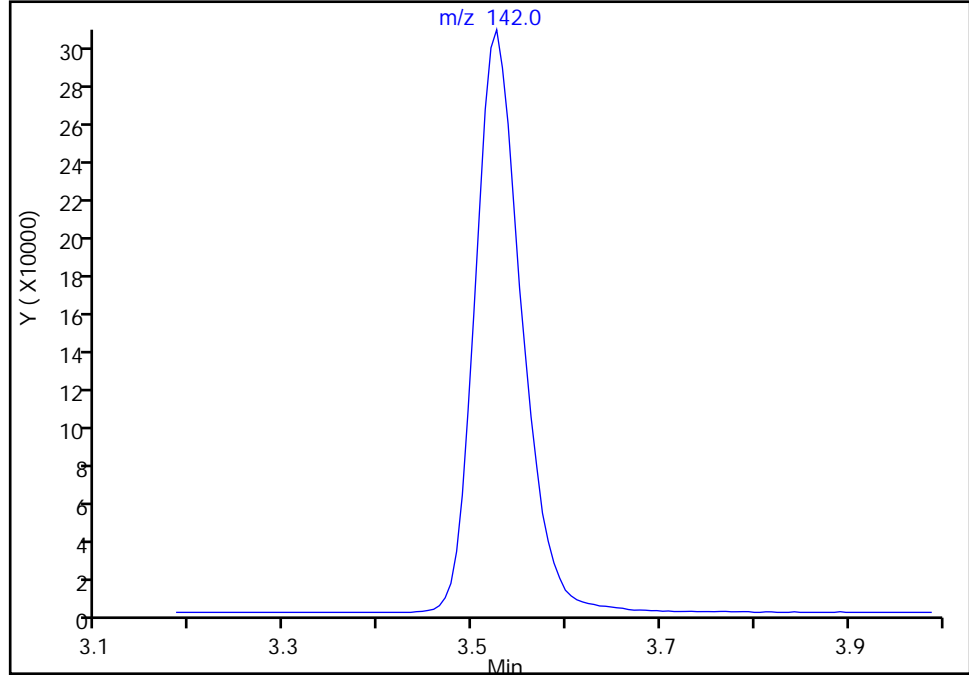
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

18 Iodomethane, CAS: 74-88-4

Signal: 1

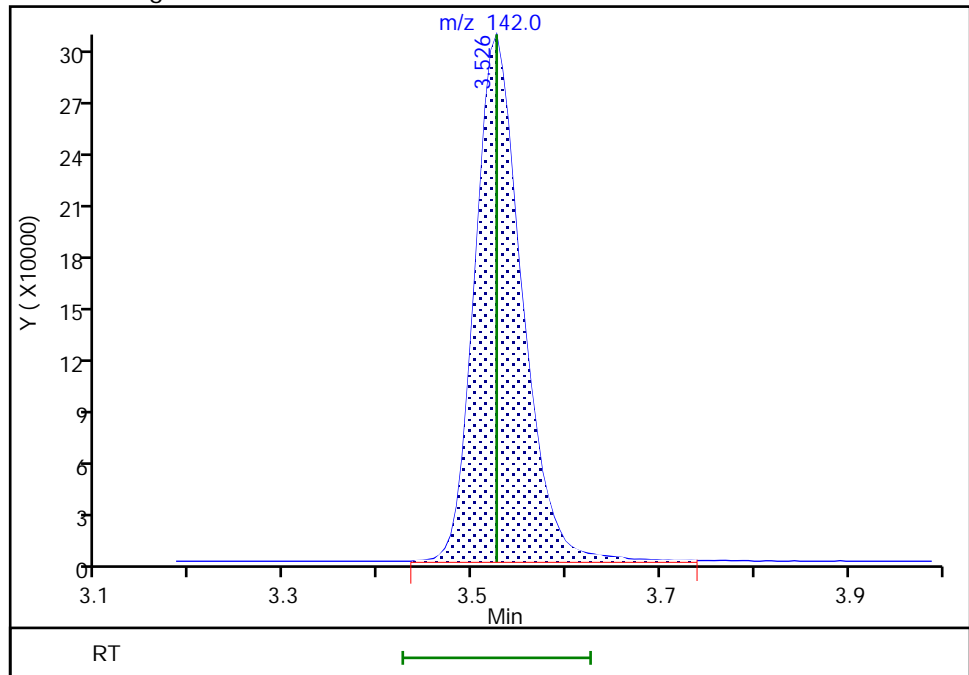
Not Detected
Expected RT: 3.53

Processing Integration Results



Manual Integration Results

RT: 3.53
Area: 1046658
Amount: 10.266934
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:37:00 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Euofins Lancaster Laboratories Environment Testing, LLC

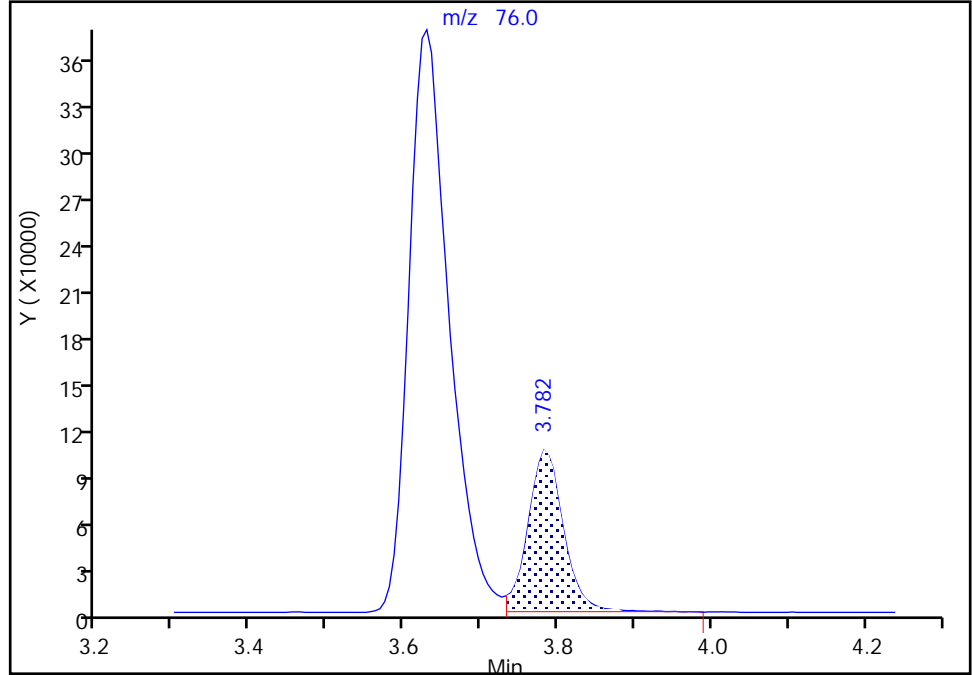
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

20 Carbon disulfide, CAS: 75-15-0

Signal: 1

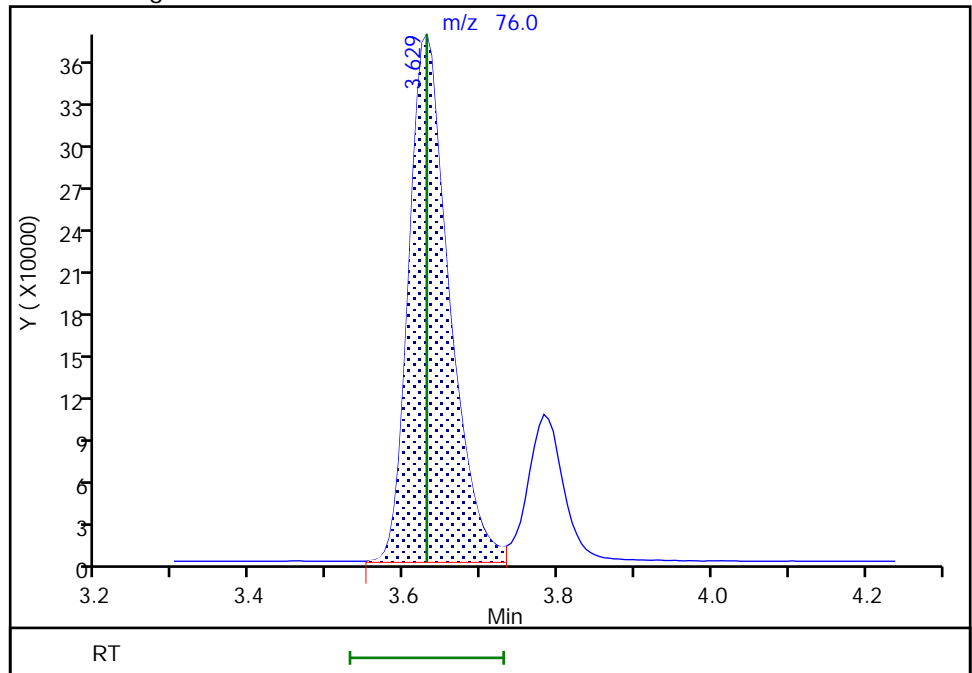
RT: 3.78
Area: 335979
Amount: 0.167343
Amount Units: ug/l

Processing Integration Results



RT: 3.63
Area: 1353487
Amount: 10.295573
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:37:07 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

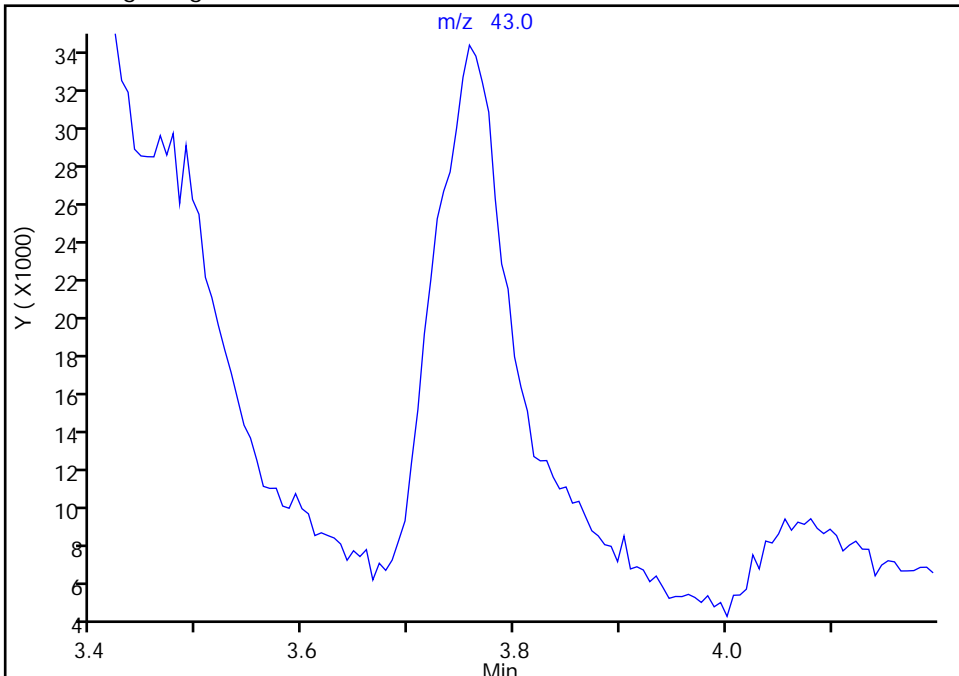
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

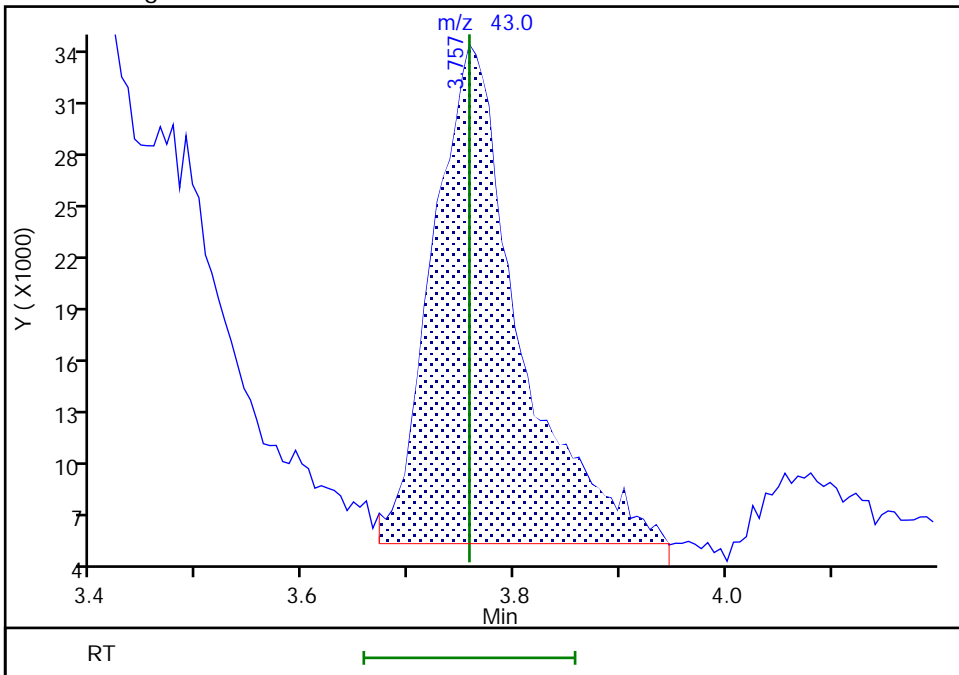
Not Detected
Expected RT: 3.76

Processing Integration Results



Manual Integration Results

RT: 3.76
Area: 165612
Amount: 10.728572
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:37:29 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

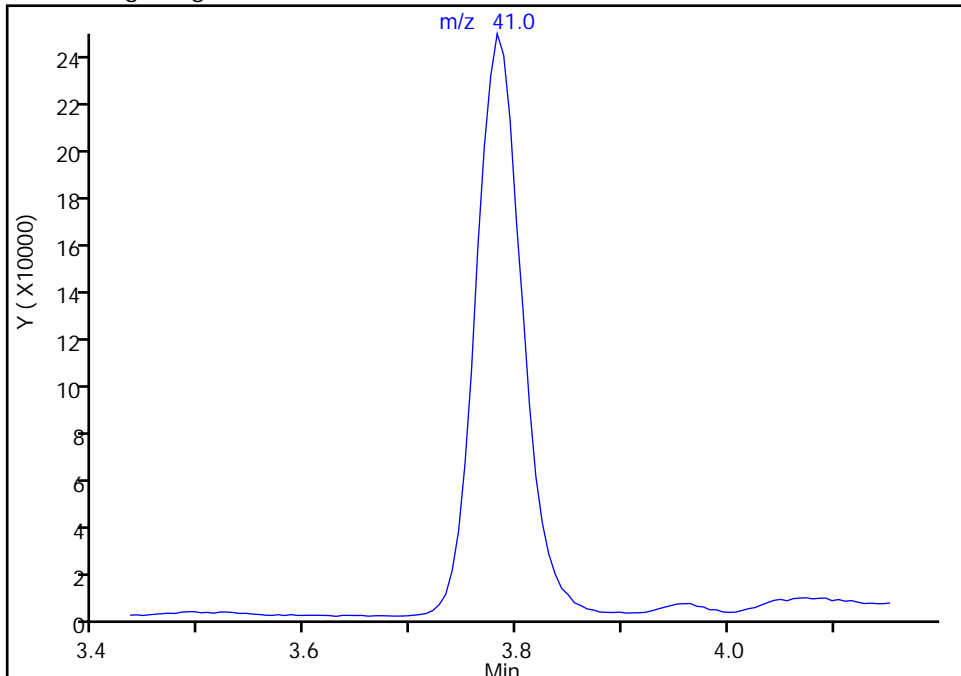
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

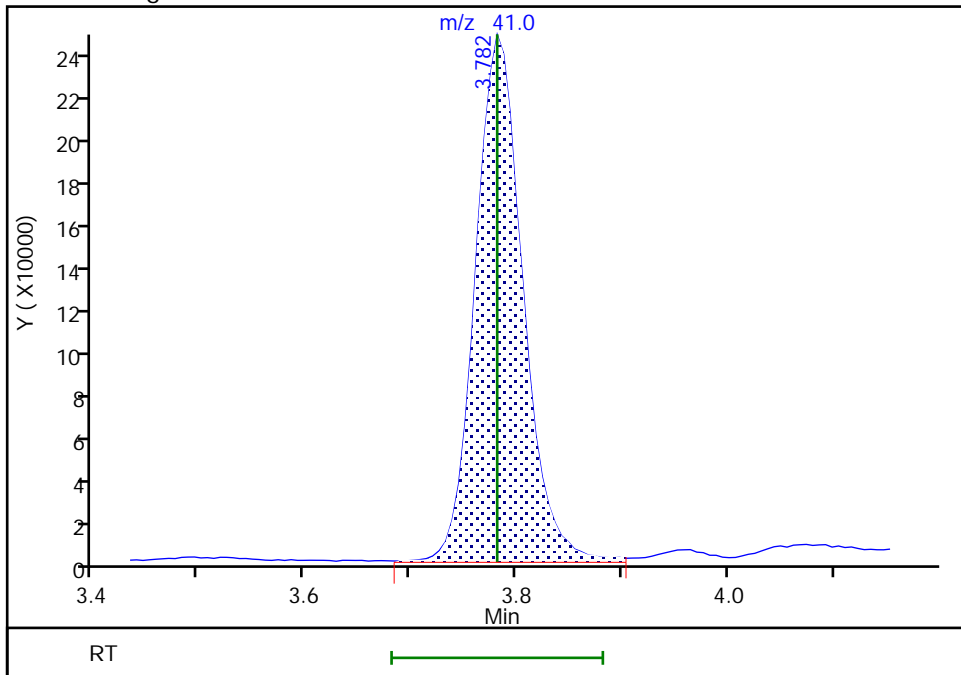
Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results

RT: 3.78
Area: 754668
Amount: 10.015905
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:37:36 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

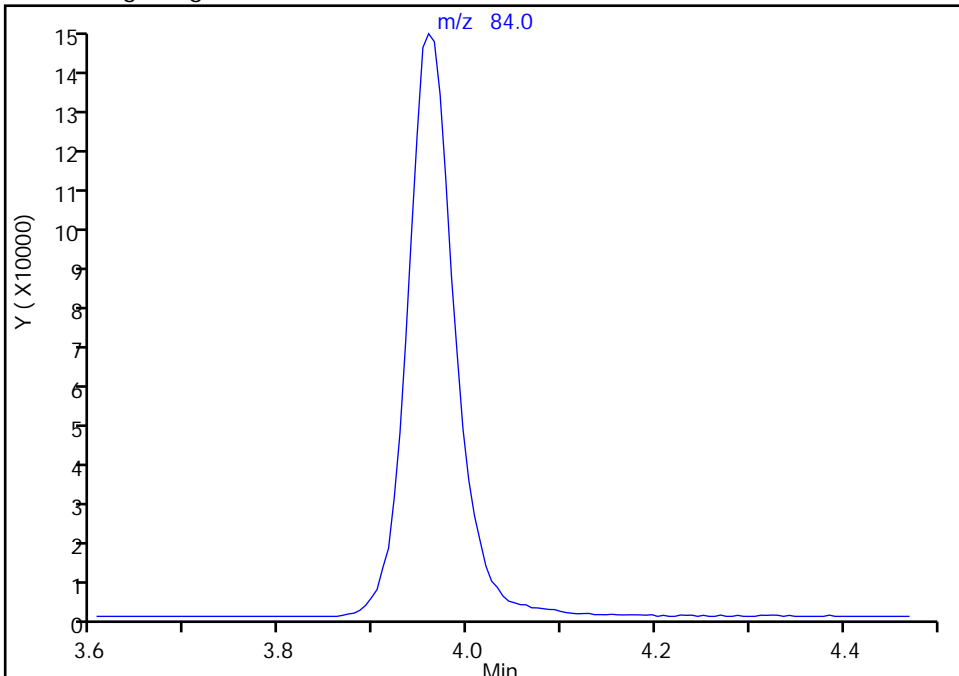
Data File:	\\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D		
Injection Date:	19-Jun-2023 20:03:30	Instrument ID:	19930
Lims ID:	ICIS std6 LG		
Client ID:			
Operator ID:	KNK41612	ALS Bottle#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000
Method:	8260 25ml HP31	Limit Group:	MSV - 8260C_D
Column:	Rxi-624Sil MS Capillary Column (0.25mm ID)	Detector:	MS Quad
		Worklist Smp#:	18

25 Methylene Chloride, CAS: 75-09-2

Signal: 1

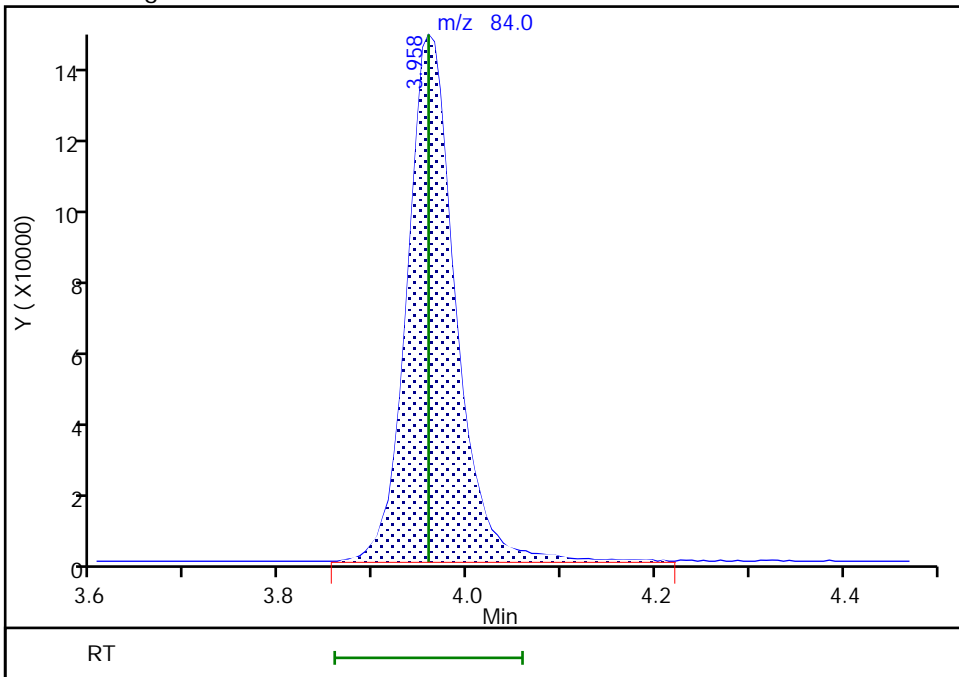
Not Detected
Expected RT: 3.96

Processing Integration Results



Manual Integration Results

RT: 3.96
 Area: 518296
 Amount: 10.126292
 Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:37:42 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

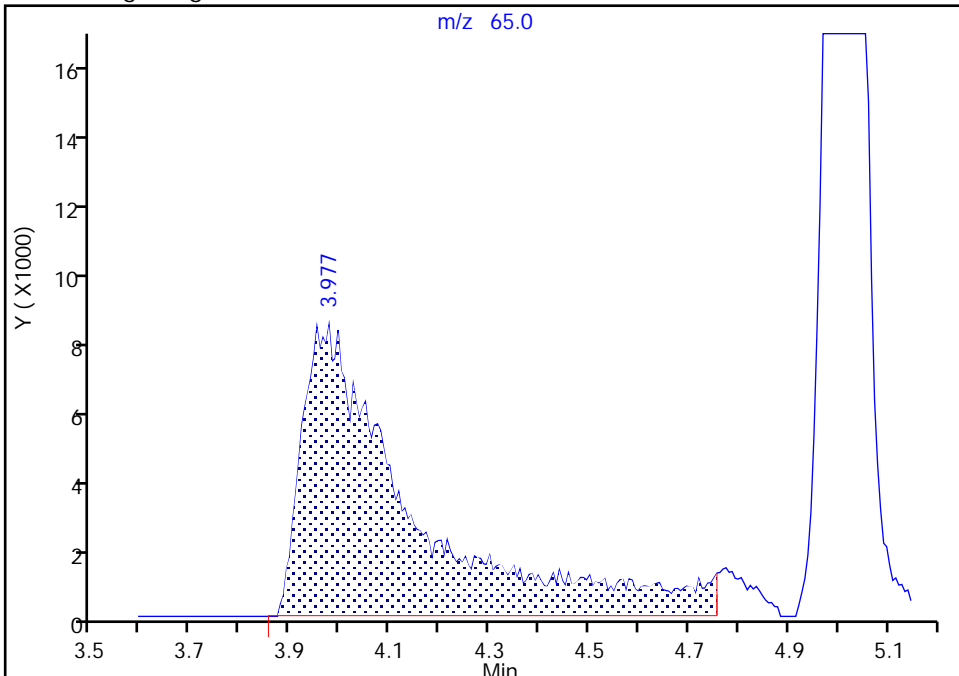
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

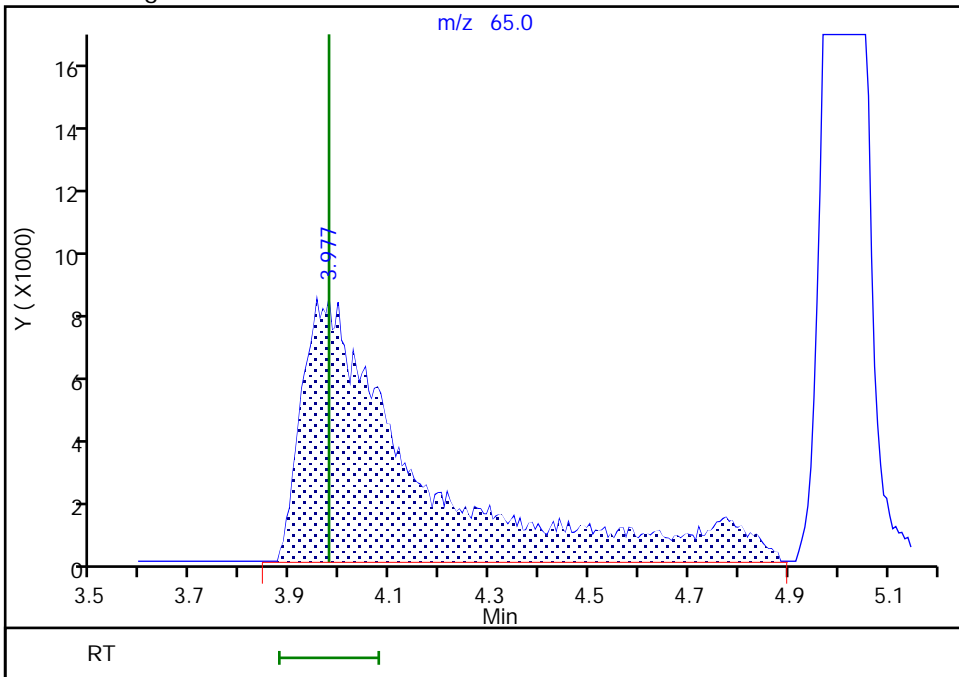
RT: 3.98
Area: 124681
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 3.98
Area: 130775
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:35:34 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

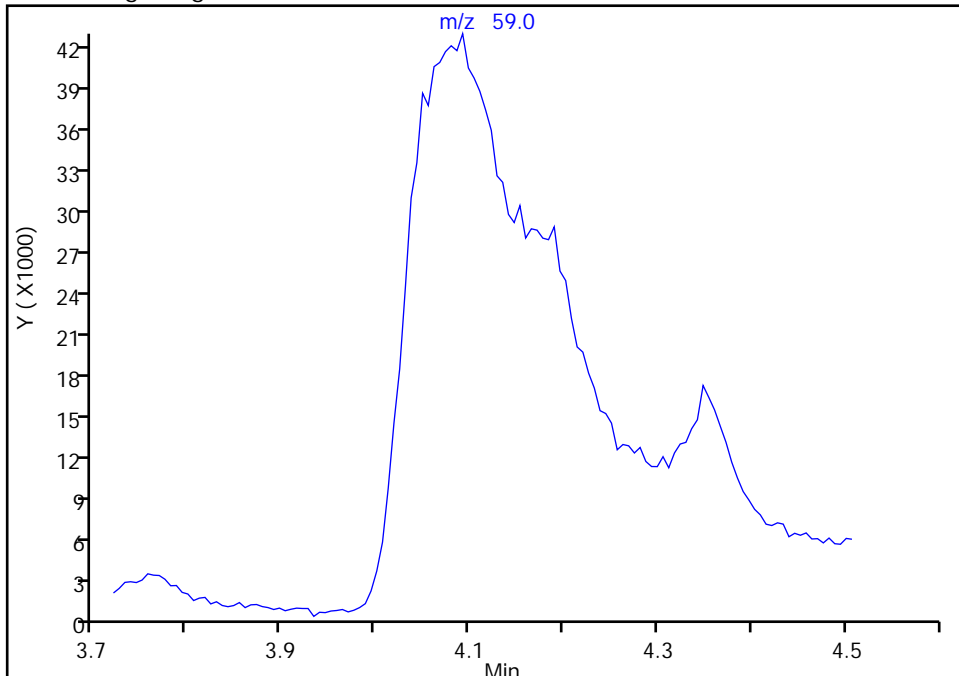
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

27 2-Methyl-2-propanol, CAS: 75-65-0

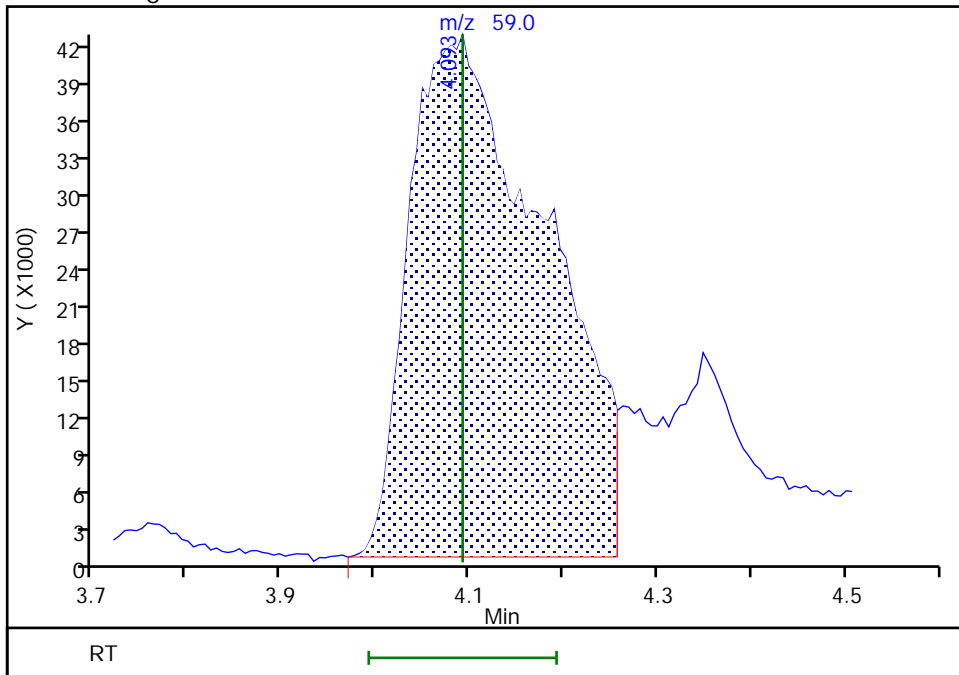
Signal: 1

Not Detected
Expected RT: 4.09

Processing Integration Results



Manual Integration Results



RT: 4.09
Area: 419183
Amount: 168.4569
Amount Units: ug/l

Eurofins Lancaster Laboratories Environment Testing, LLC

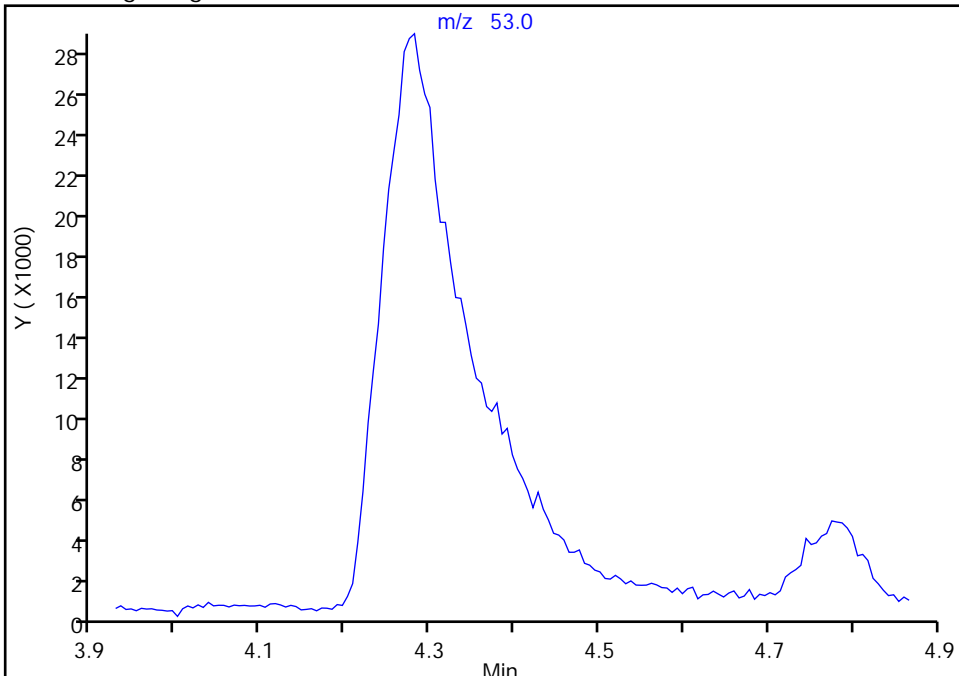
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

28 Acrylonitrile, CAS: 107-13-1

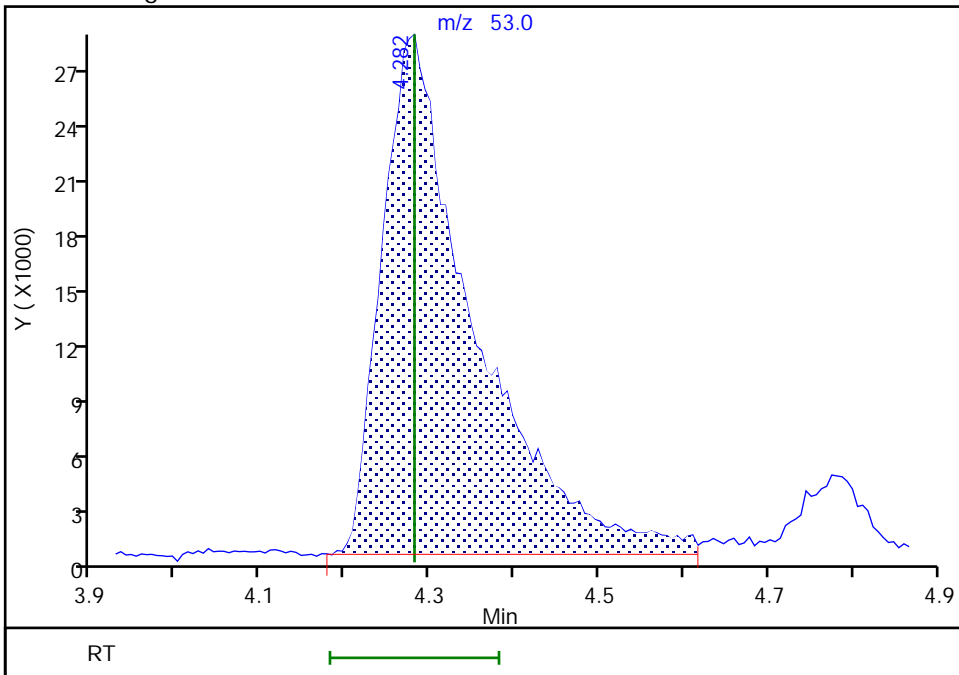
Signal: 1

Not Detected
Expected RT: 4.28

Processing Integration Results



Manual Integration Results



RT: 4.28
Area: 215747
Amount: 28.378415
Amount Units: ug/l

Eurofins Lancaster Laboratories Environment Testing, LLC

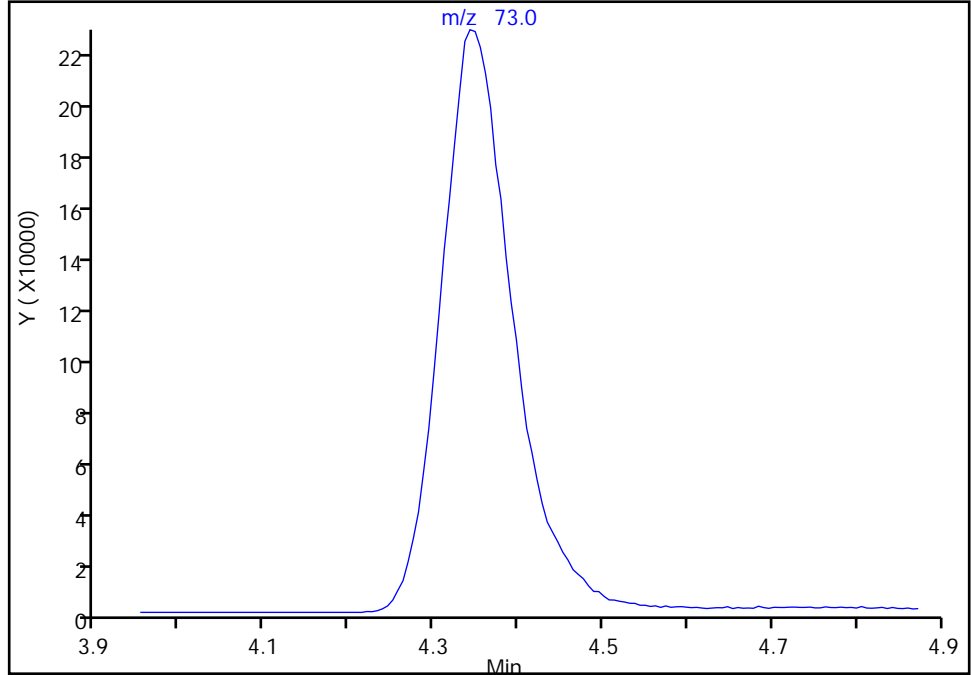
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

29 Methyl tert-butyl ether, CAS: 1634-04-4

Signal: 1

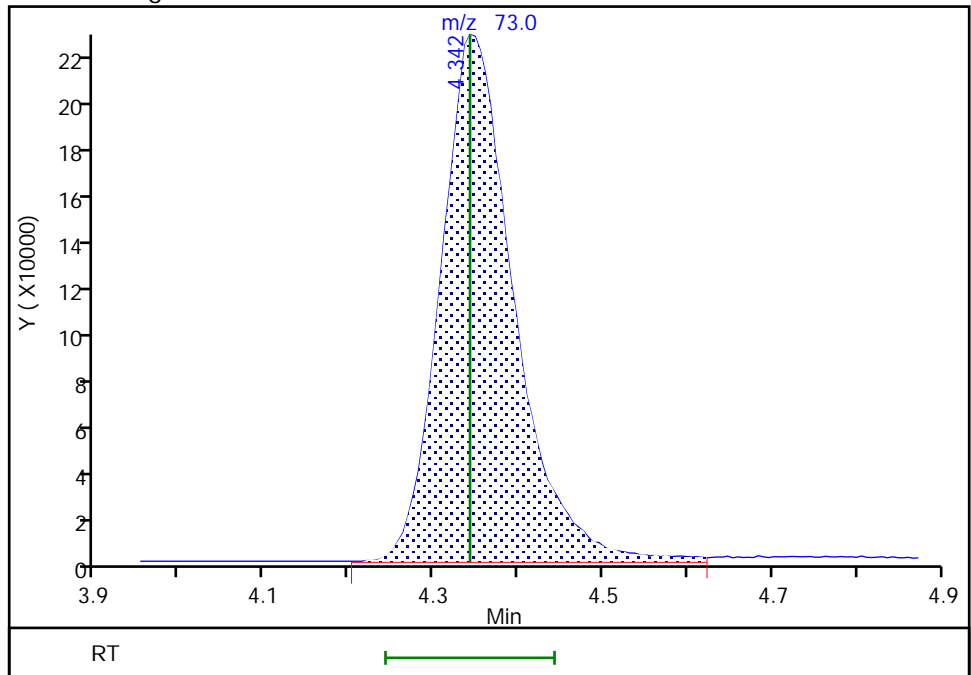
Not Detected
Expected RT: 4.34

Processing Integration Results



Manual Integration Results

RT: 4.34
Area: 1328588
Amount: 9.985857
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:38:02 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

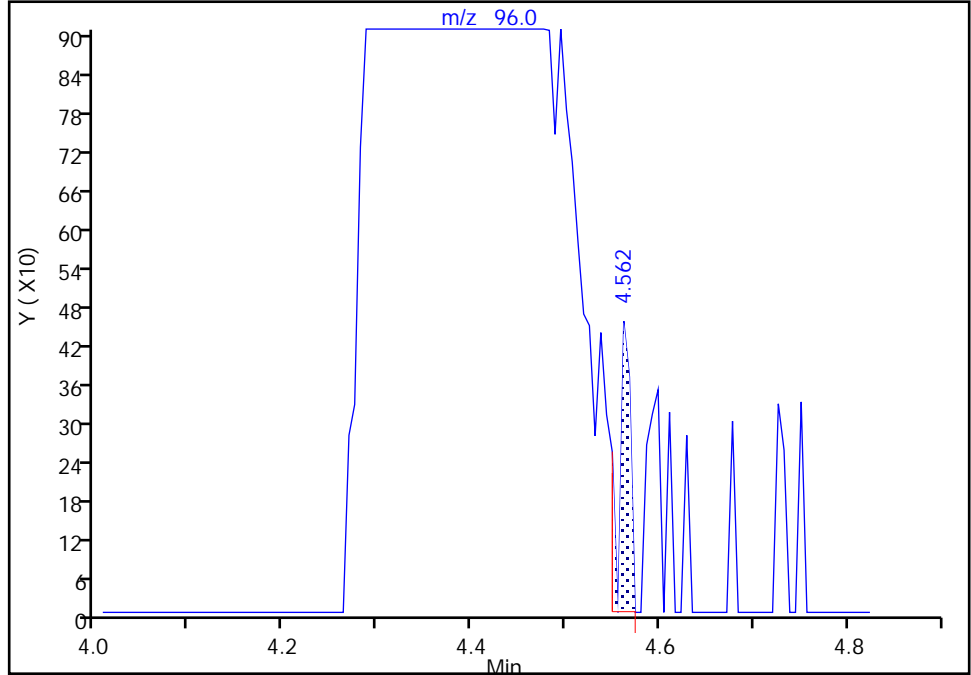
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

30 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

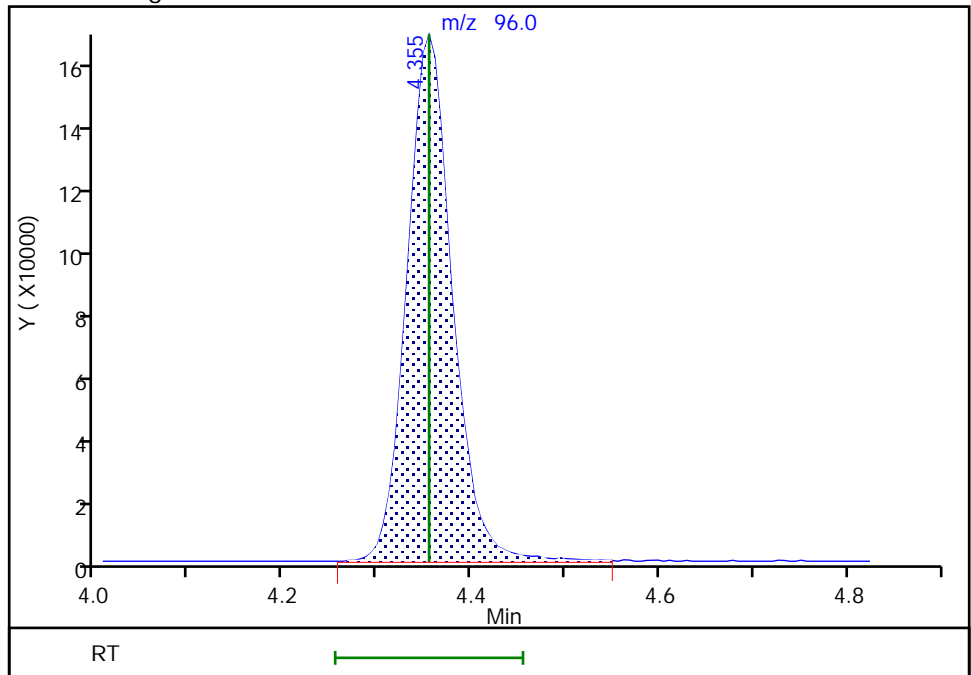
RT: 4.56
Area: 392
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 4.35
Area: 549965
Amount: 10.193007
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:38:05 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

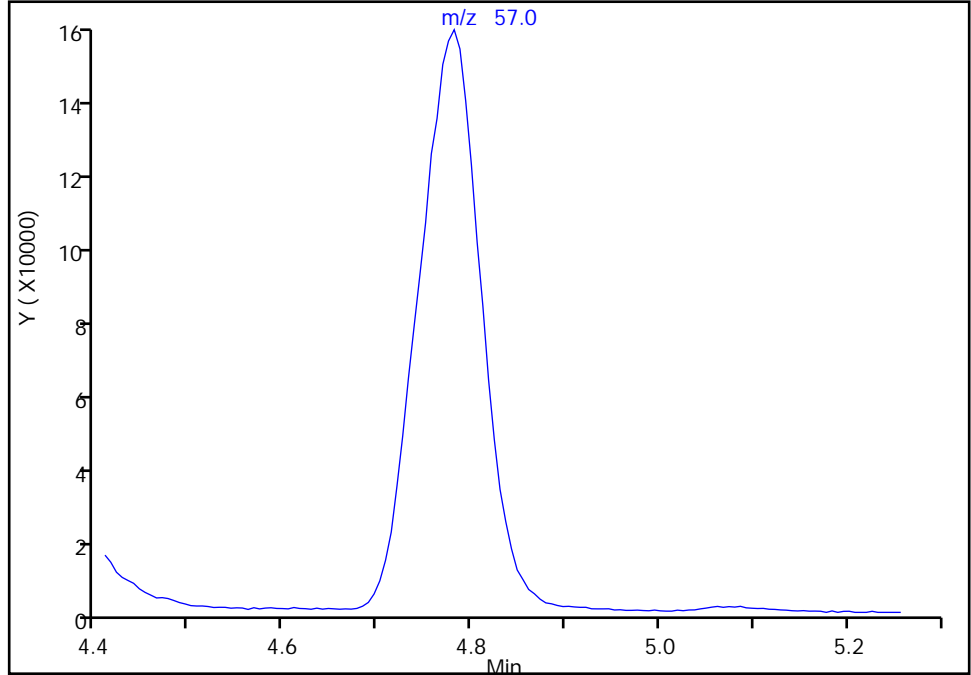
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

31 Hexane, CAS: 110-54-3

Signal: 1

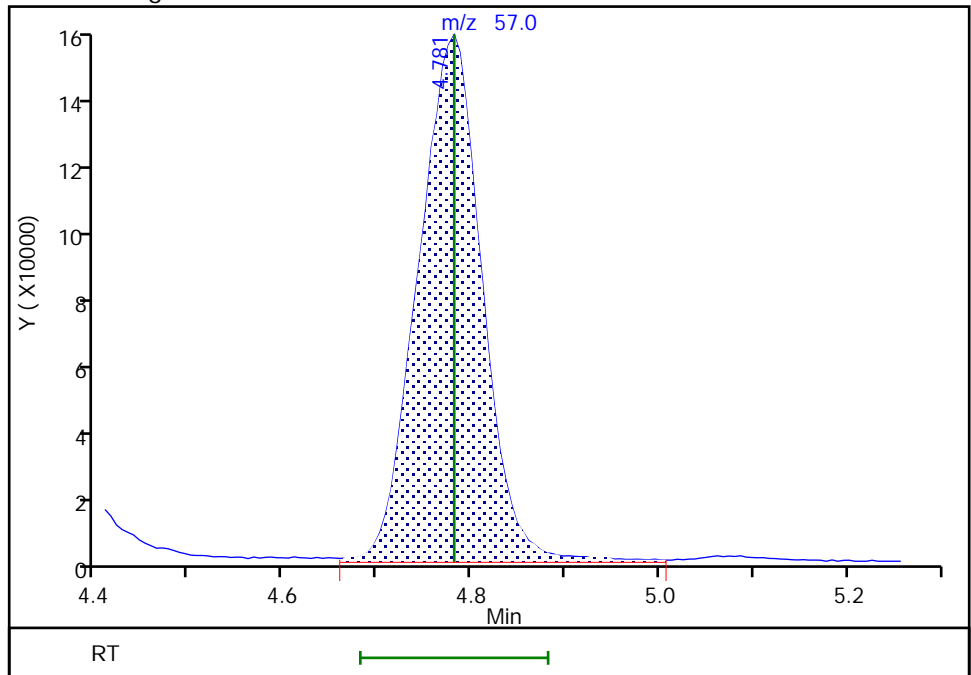
Not Detected
Expected RT: 4.78

Processing Integration Results



Manual Integration Results

RT: 4.78
Area: 747981
Amount: 10.576597
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:38:09 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

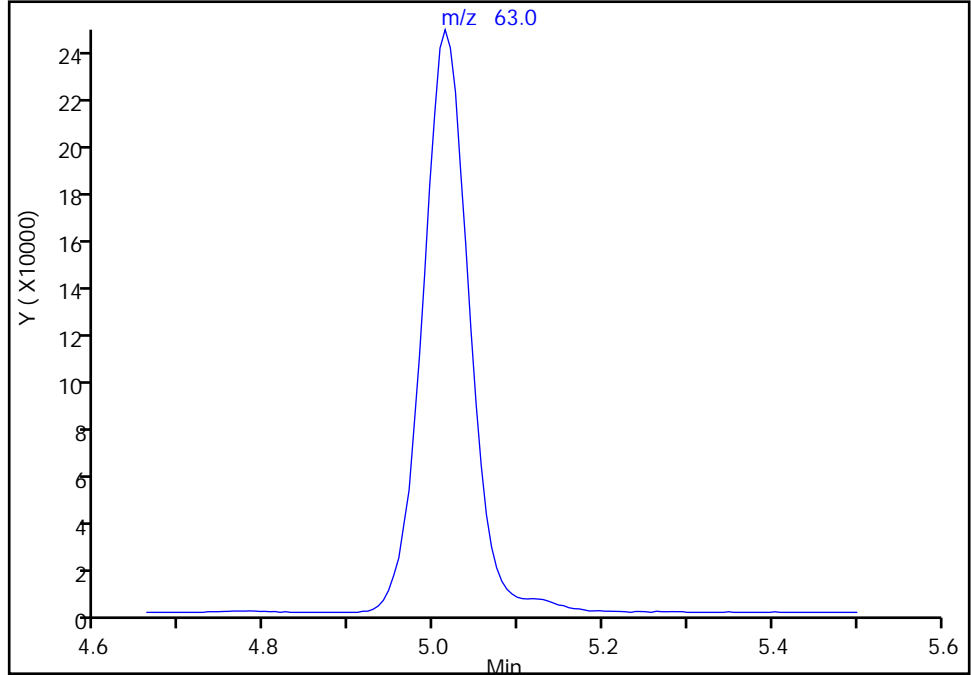
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

32 1,1-Dichloroethane, CAS: 75-34-3

Signal: 1

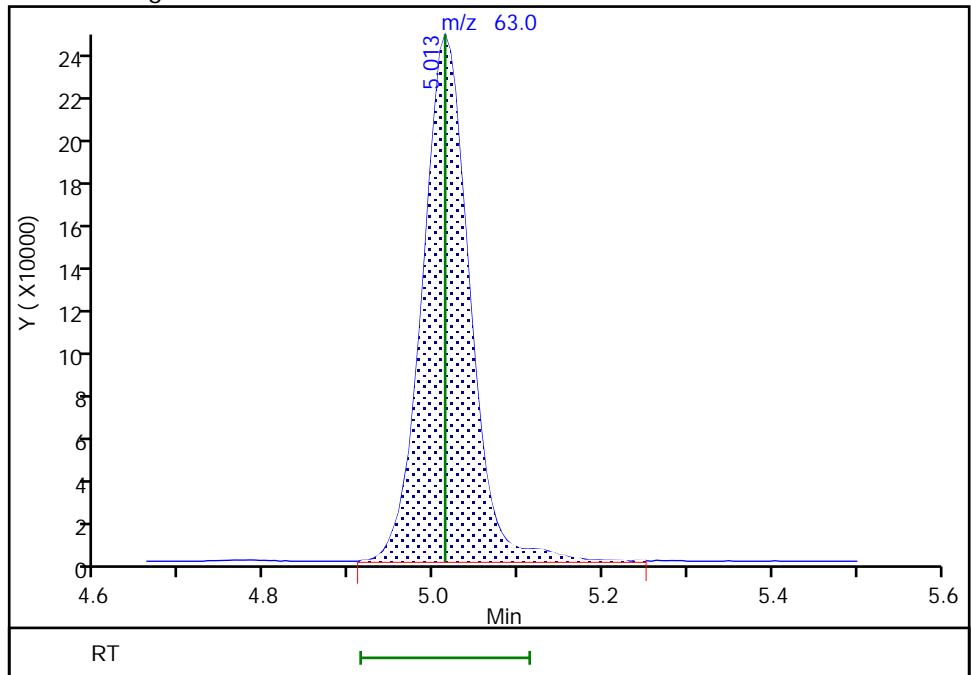
Not Detected
Expected RT: 5.01

Processing Integration Results



Manual Integration Results

RT: 5.01
Area: 957603
Amount: 10.359875
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:38:12 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

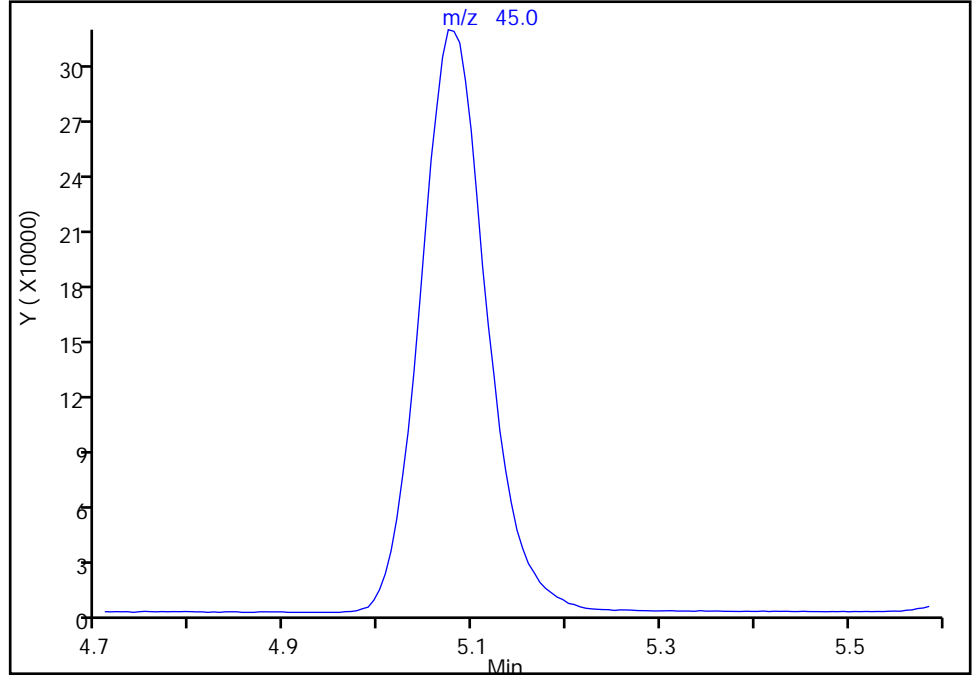
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

35 Isopropyl ether, CAS: 108-20-3

Signal: 1

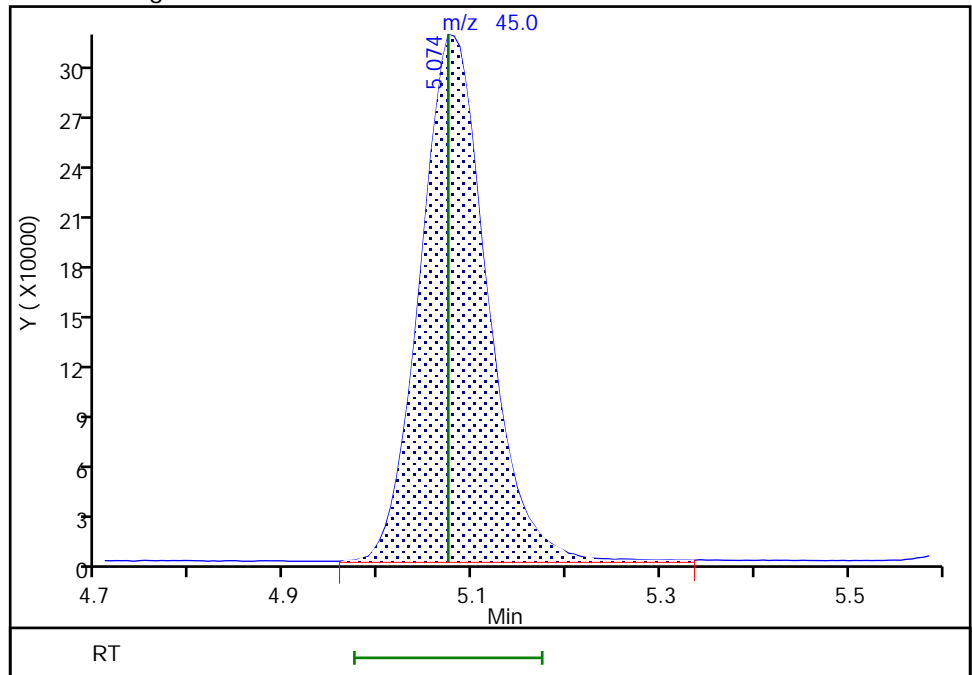
Not Detected
Expected RT: 5.07

Processing Integration Results



Manual Integration Results

RT: 5.07
Area: 1538859
Amount: 10.138104
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:38:15 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

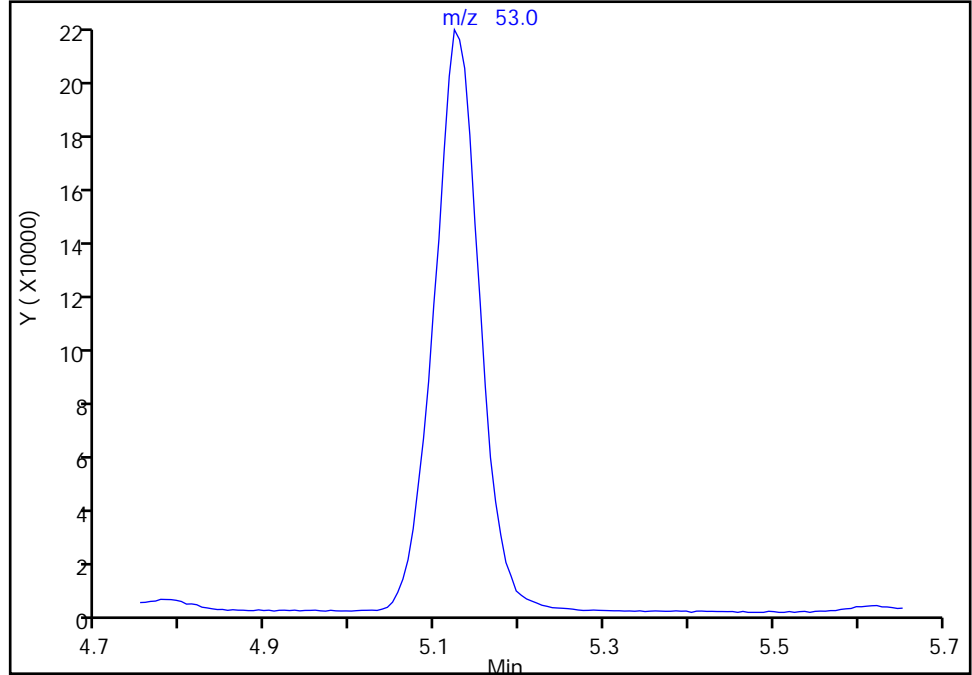
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

36 2-Chloro-1,3-butadiene, CAS: 126-99-8

Signal: 1

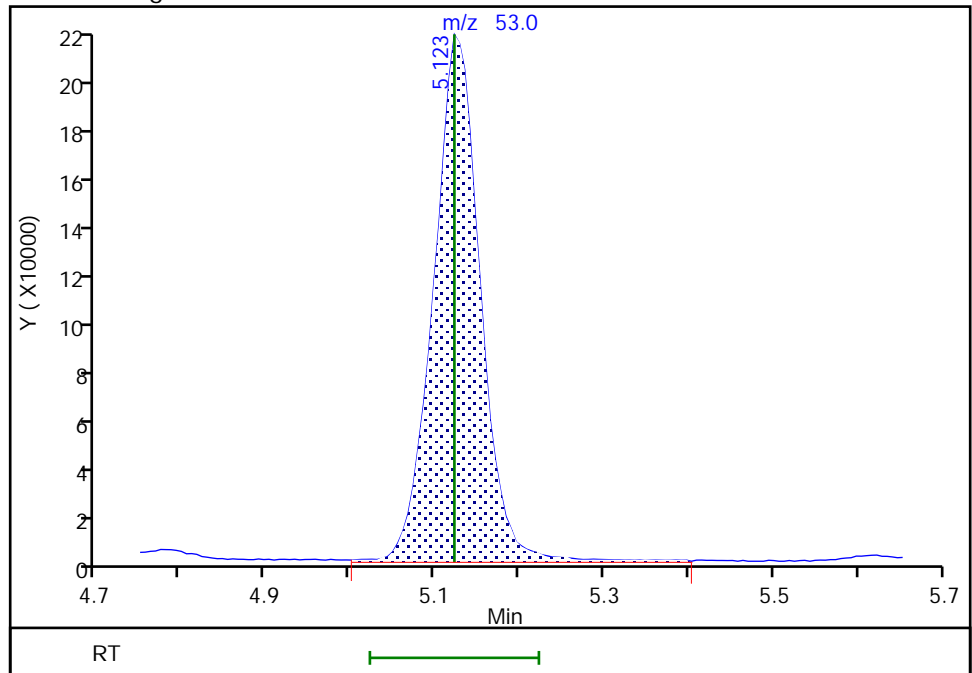
Not Detected
Expected RT: 5.12

Processing Integration Results



Manual Integration Results

RT: 5.12
Area: 806204
Amount: 10.431137
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:38:18 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

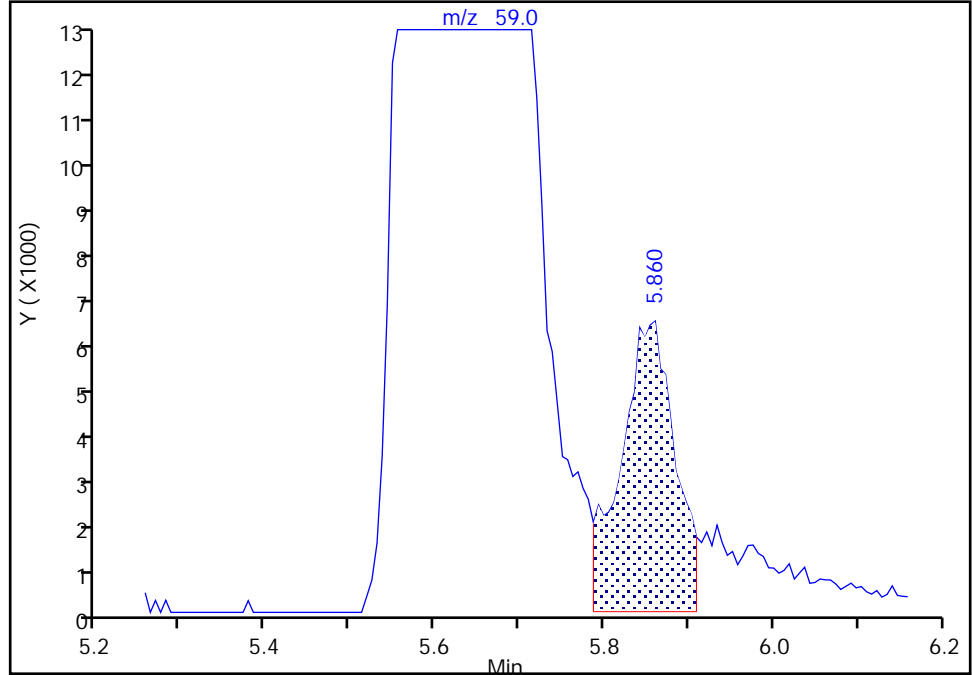
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

37 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

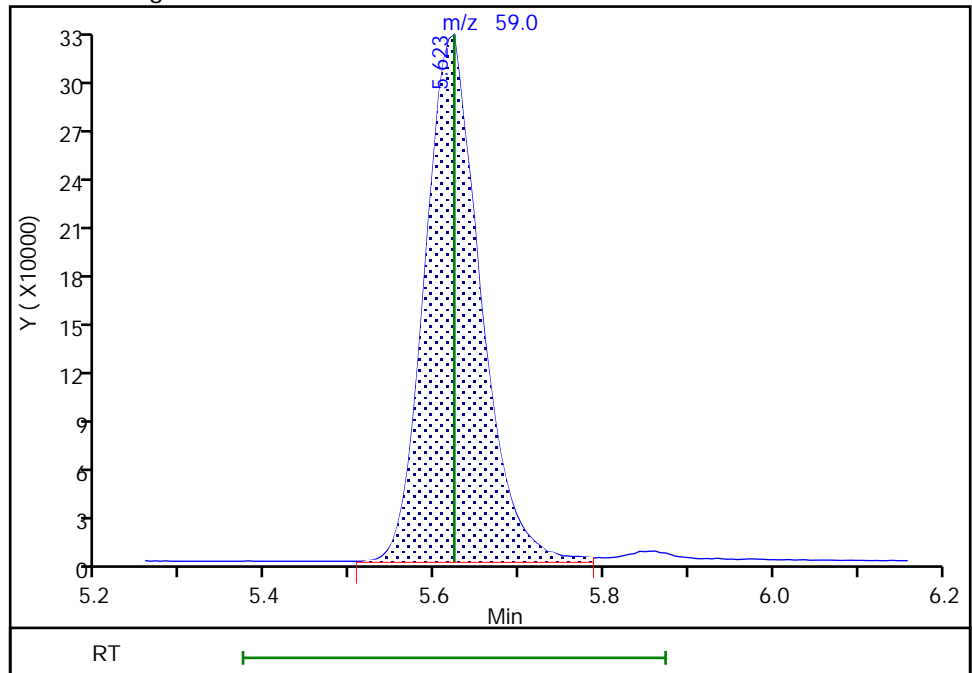
RT: 5.86
Area: 28220
Amount: 0.003154
Amount Units: ug/l

Processing Integration Results



RT: 5.62
Area: 1475081
Amount: 10.174236
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:38:21 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

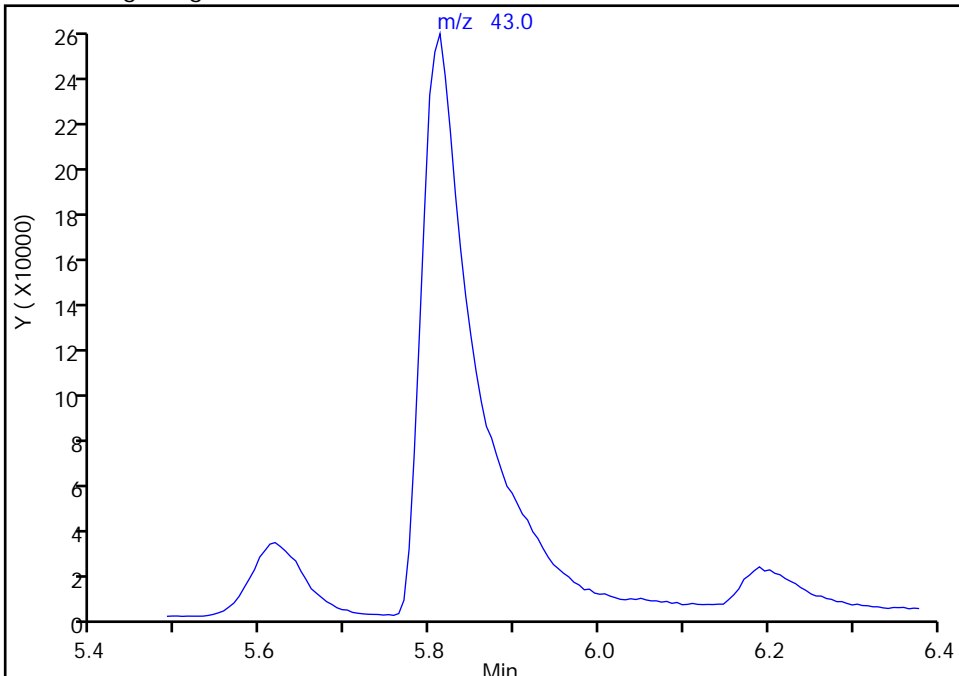
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

38 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

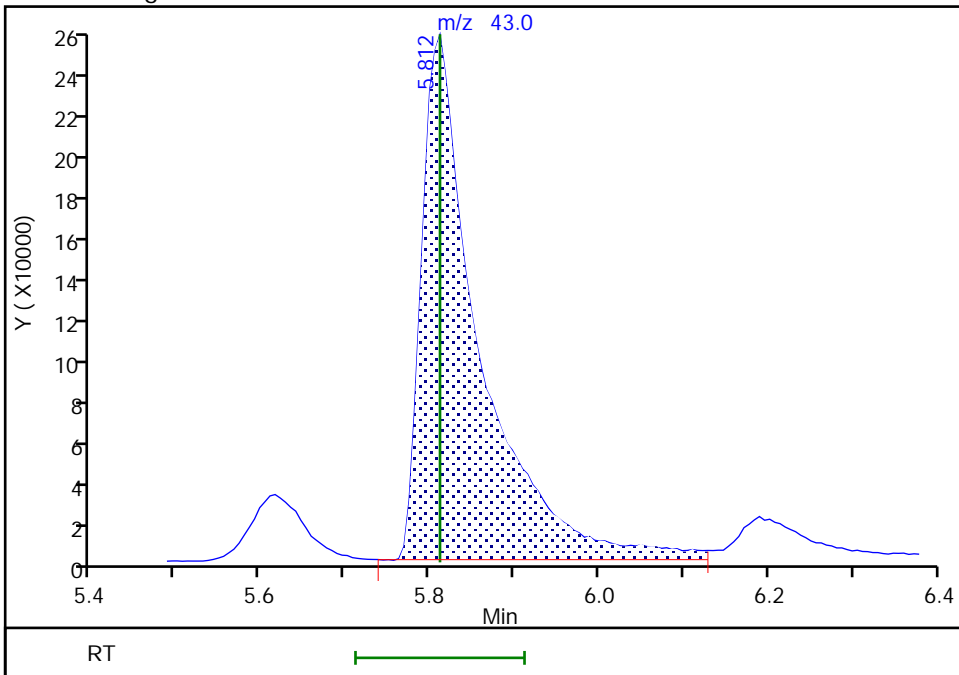
Not Detected
Expected RT: 5.81

Processing Integration Results



Manual Integration Results

RT: 5.81
Area: 1212881
Amount: 100.6332
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:38:25 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

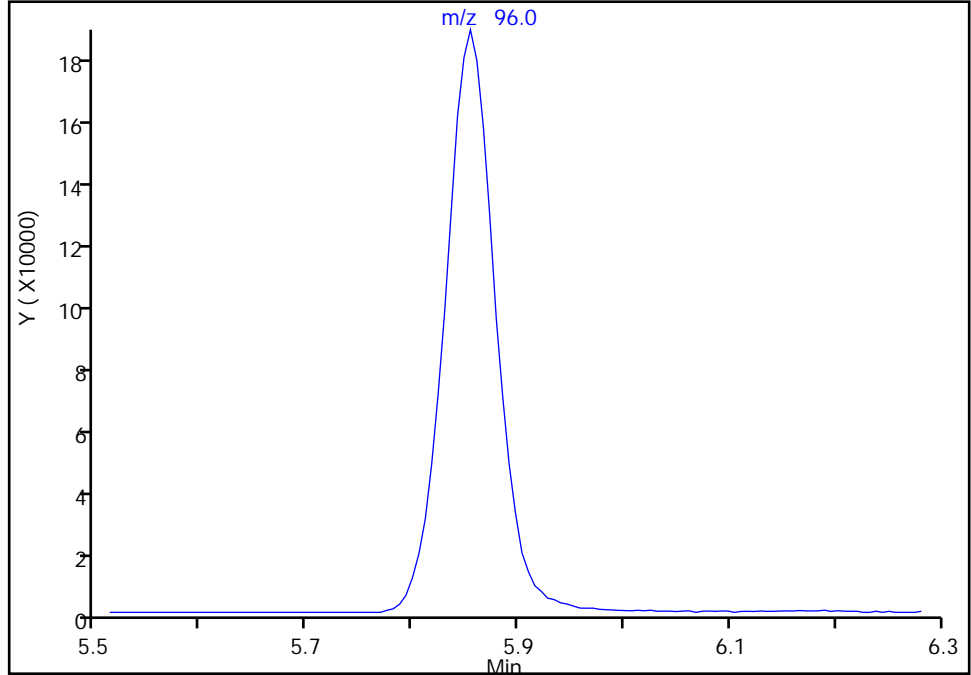
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Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

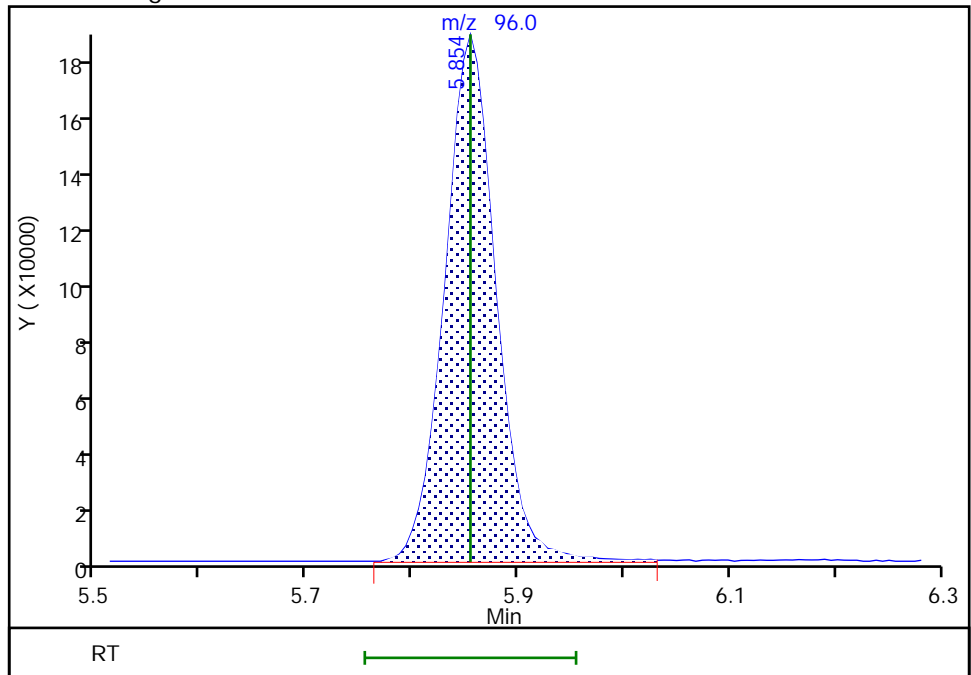
Not Detected
Expected RT: 5.85

Processing Integration Results



Manual Integration Results

RT: 5.85
Area: 607013
Amount: 10.112324
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:38:28 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

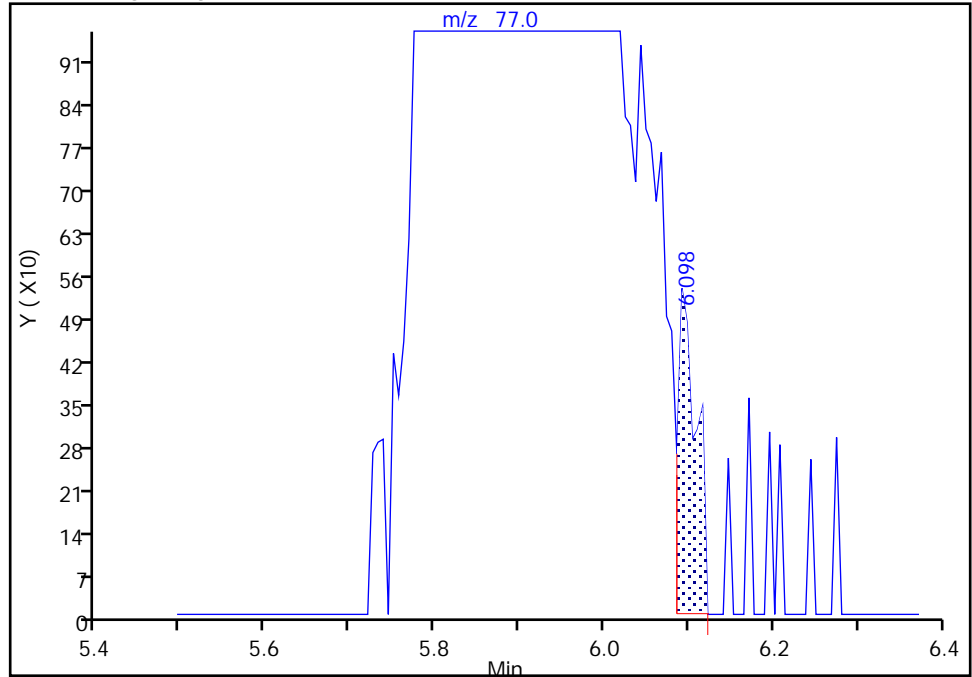
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Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

40 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

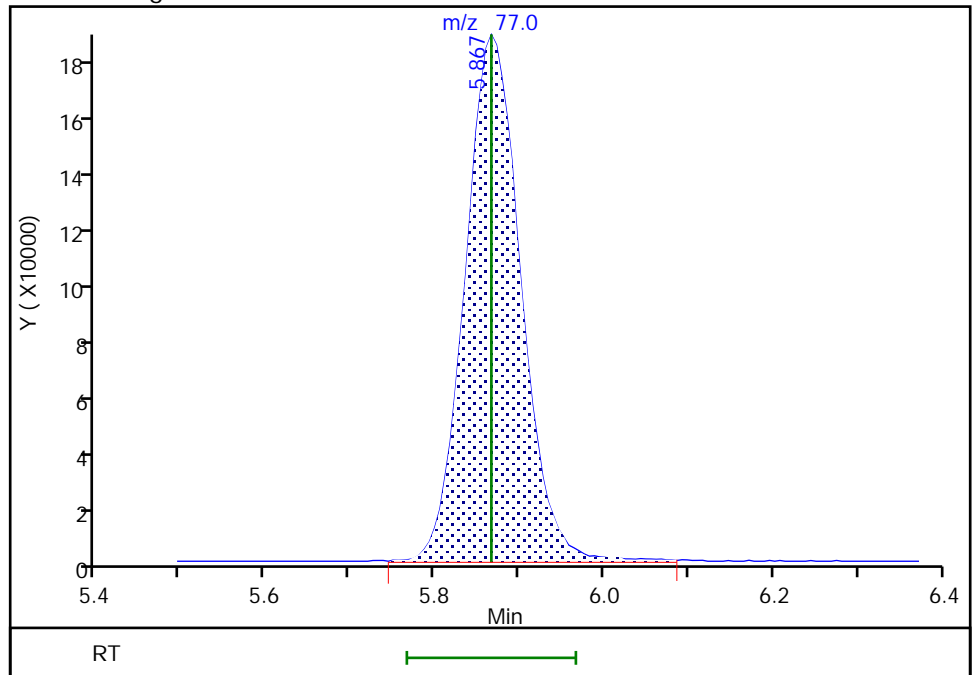
RT: 6.10
Area: 809
Amount: 5.763513
Amount Units: ug/l

Processing Integration Results



RT: 5.87
Area: 853357
Amount: 10.245278
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:38:34 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

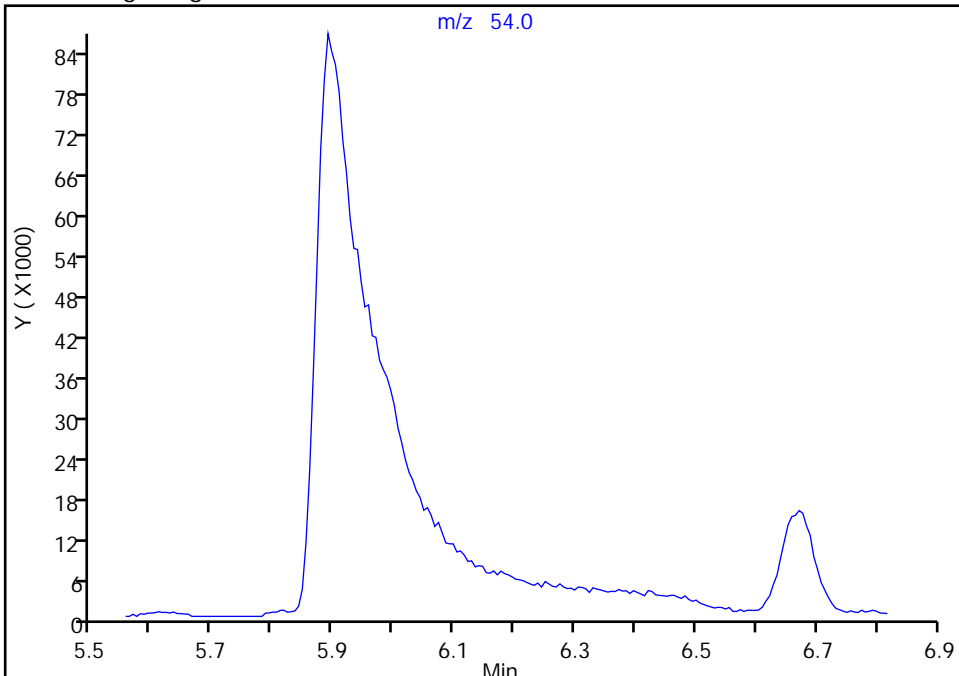
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Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

43 Propionitrile, CAS: 107-12-0

Signal: 1

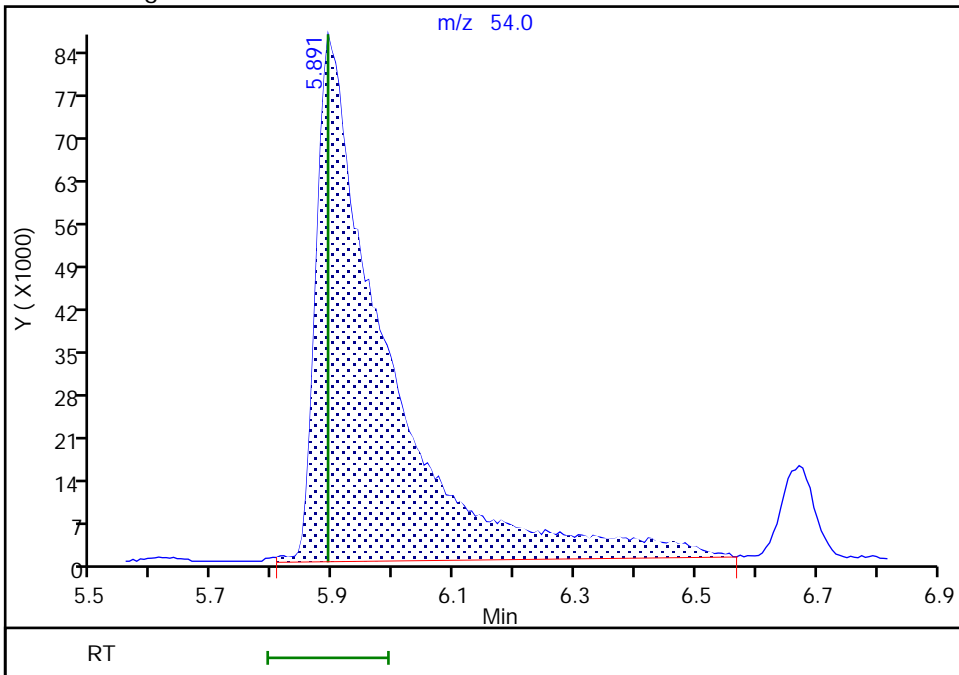
Not Detected
Expected RT: 5.89

Processing Integration Results



Manual Integration Results

RT: 5.89
Area: 686213
Amount: 215.2686
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:38:31 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

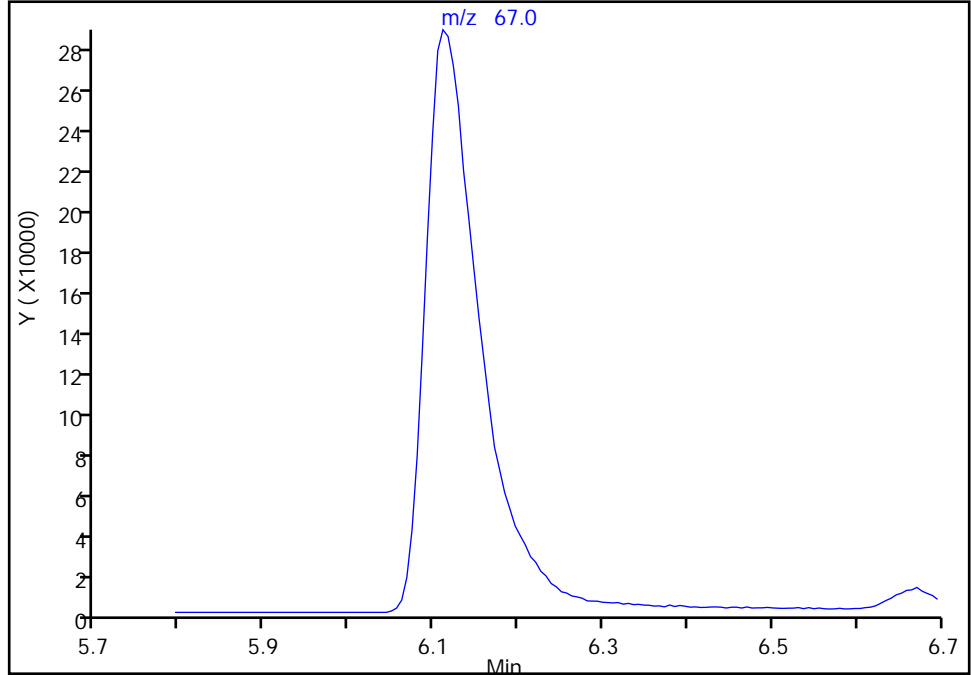
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Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

45 Methacrylonitrile, CAS: 126-98-7

Signal: 1

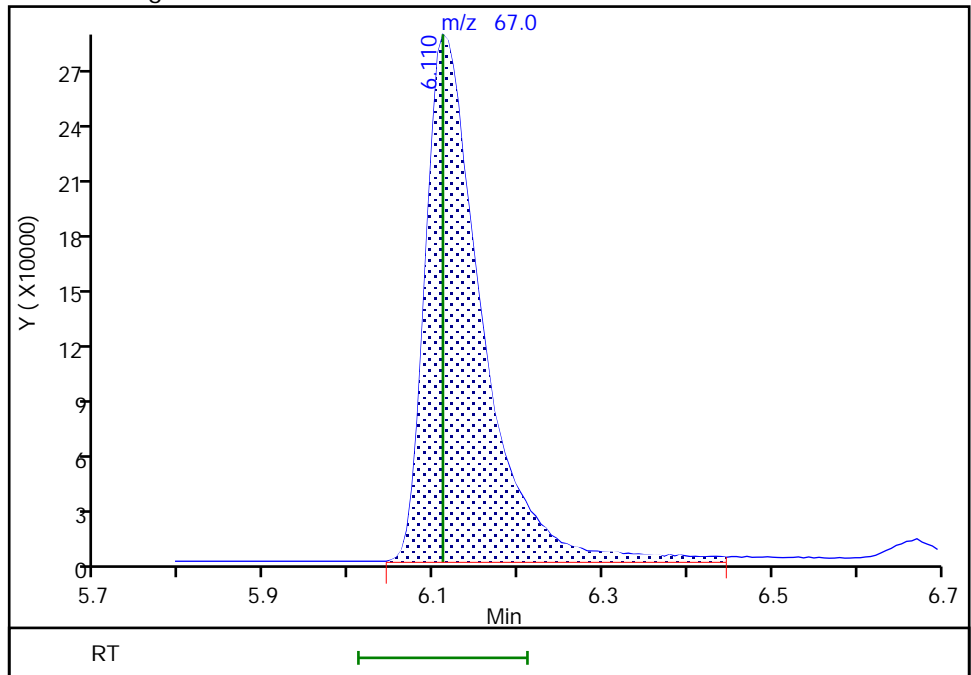
Not Detected
Expected RT: 6.11

Processing Integration Results



Manual Integration Results

RT: 6.11
Area: 1304884
Amount: 103.7383
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:38:38 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

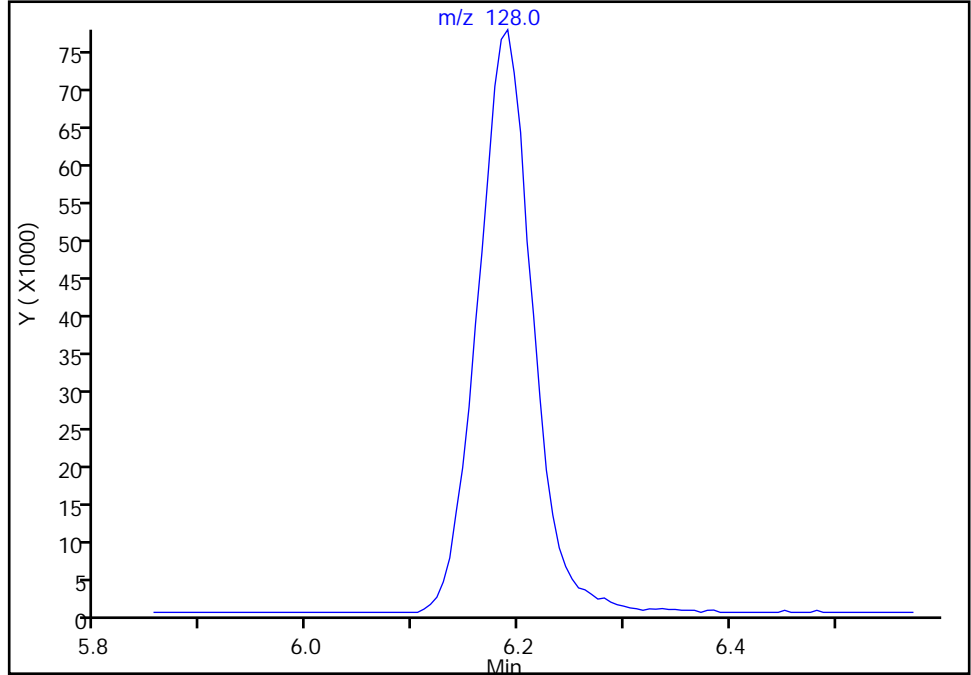
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Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

46 Chlorobromomethane, CAS: 74-97-5

Signal: 1

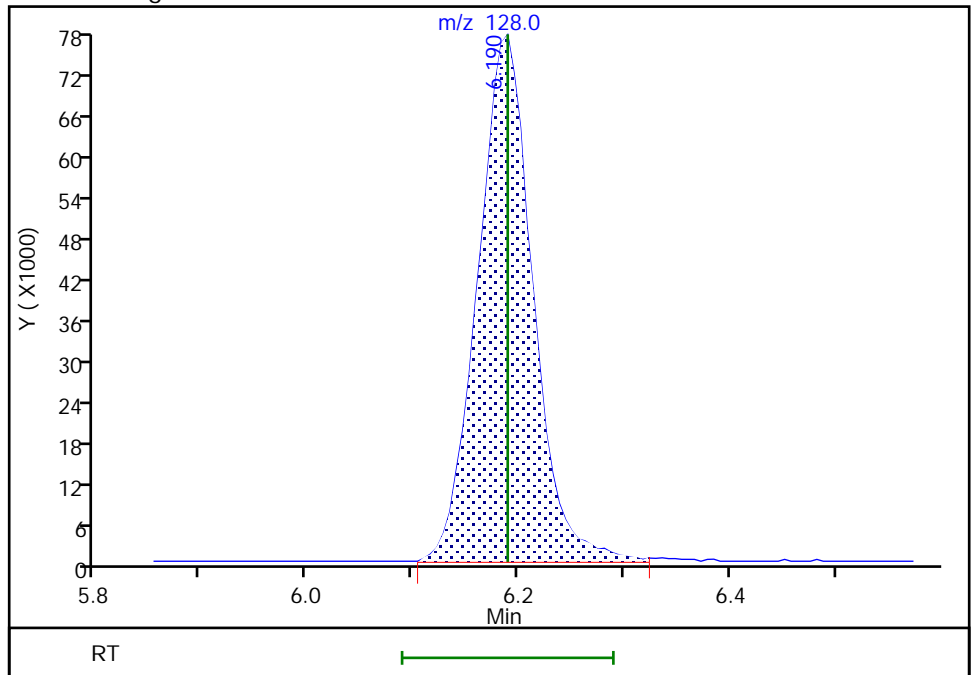
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 278362
Amount: 10.193516
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:38:41 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

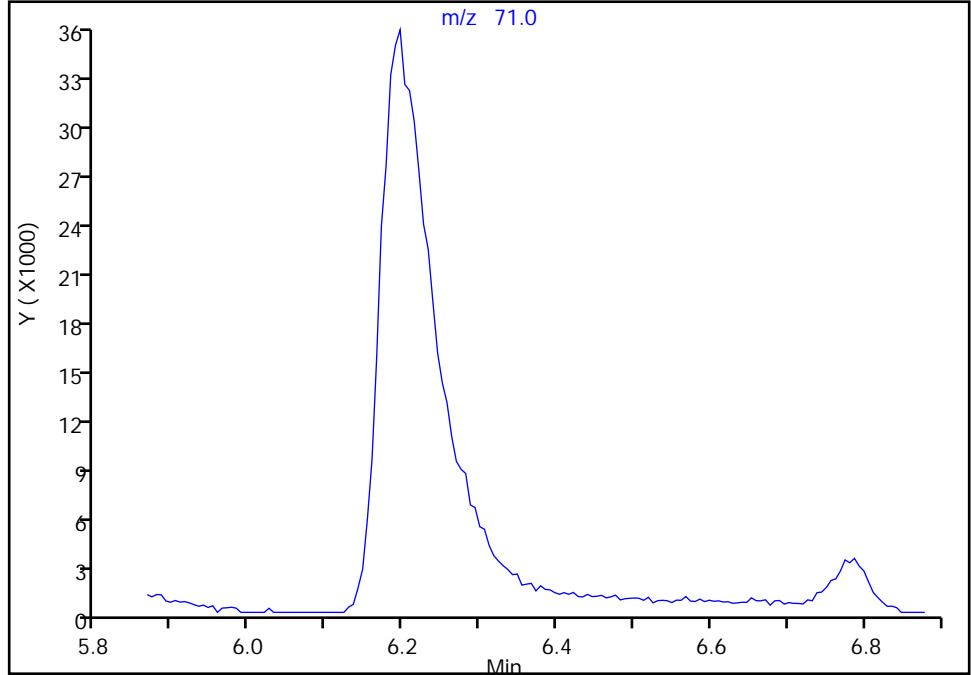
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Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

47 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

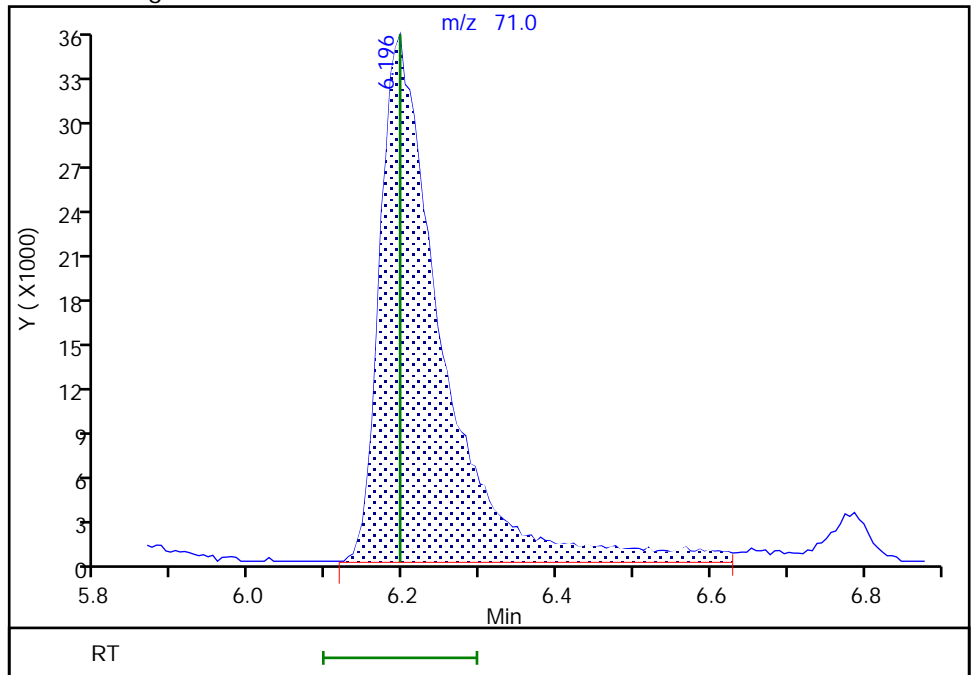
Not Detected
Expected RT: 6.20

Processing Integration Results



Manual Integration Results

RT: 6.20
Area: 200641
Amount: 50.587516
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:38:44 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

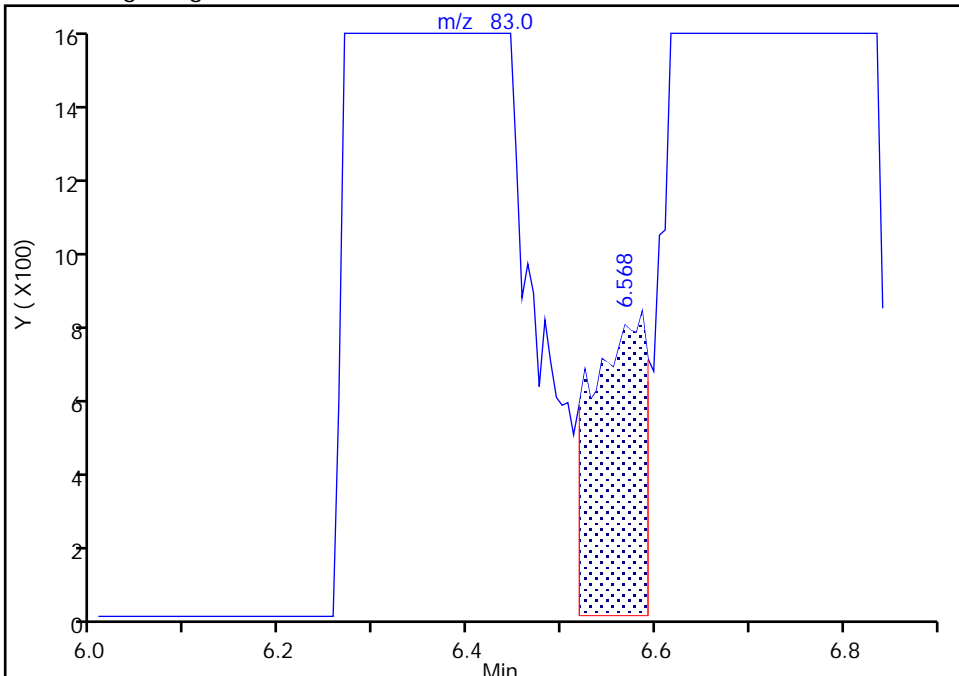
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Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

48 Chloroform, CAS: 67-66-3

Signal: 1

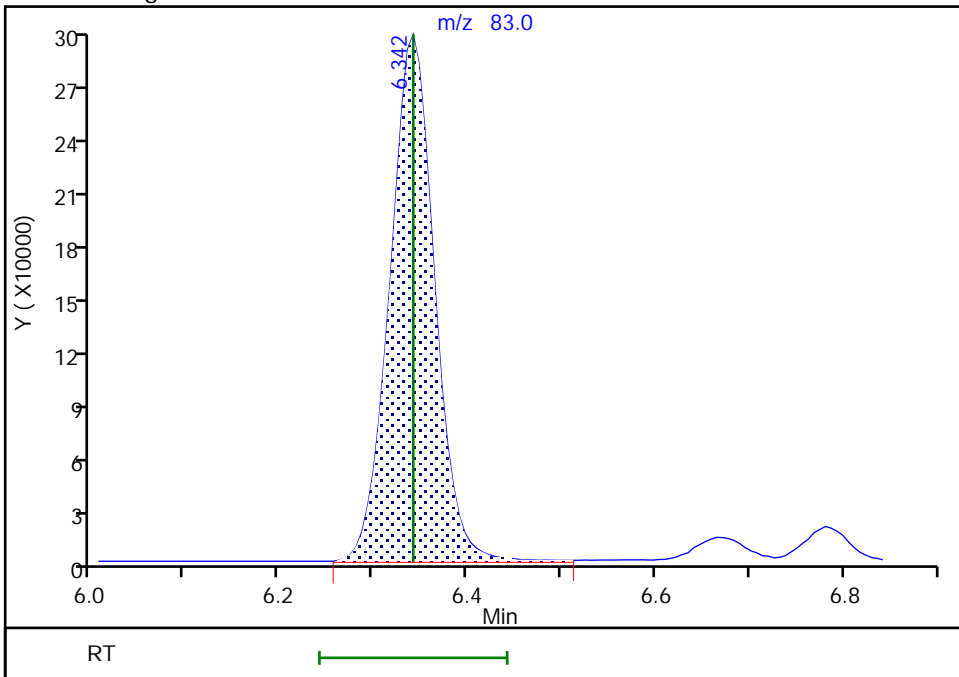
RT: 6.57
Area: 3291
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 6.34
Area: 973119
Amount: 10.191256
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:38:50 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

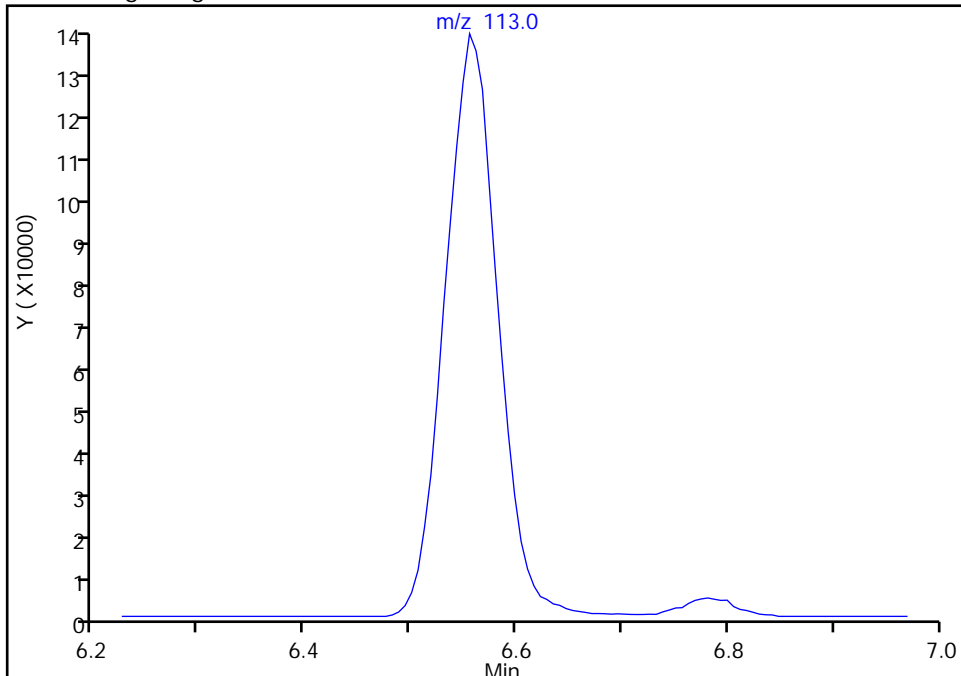
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Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

\$ 49 Dibromofluoromethane (Surr), CAS: 1868-53-7

Signal: 1

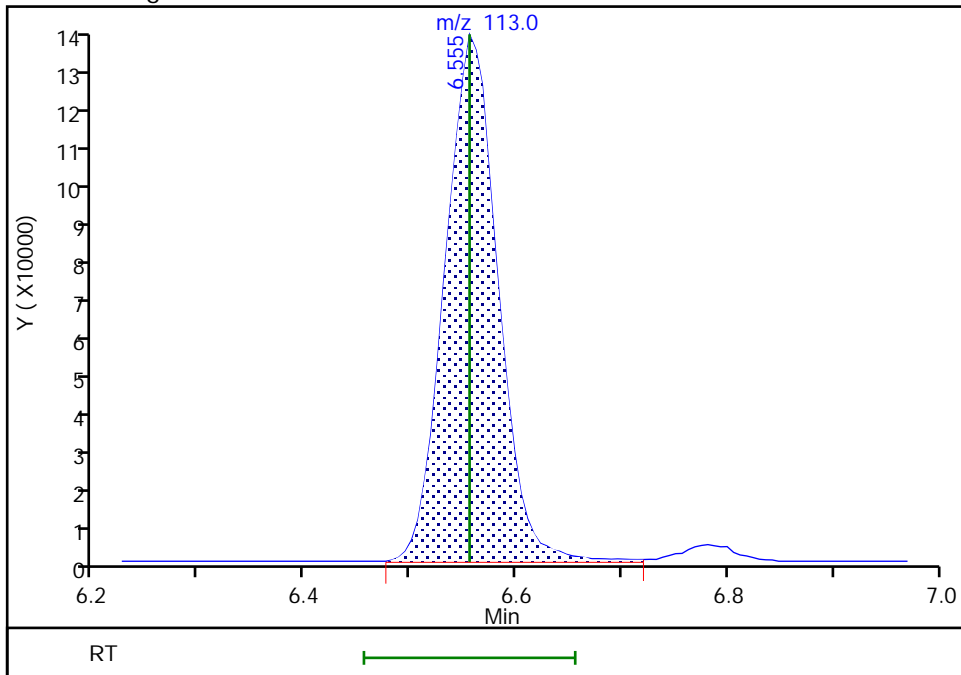
Not Detected
Expected RT: 6.56

Processing Integration Results



Manual Integration Results

RT: 6.56
Area: 464653
Amount: 10.007334
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:35:20 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

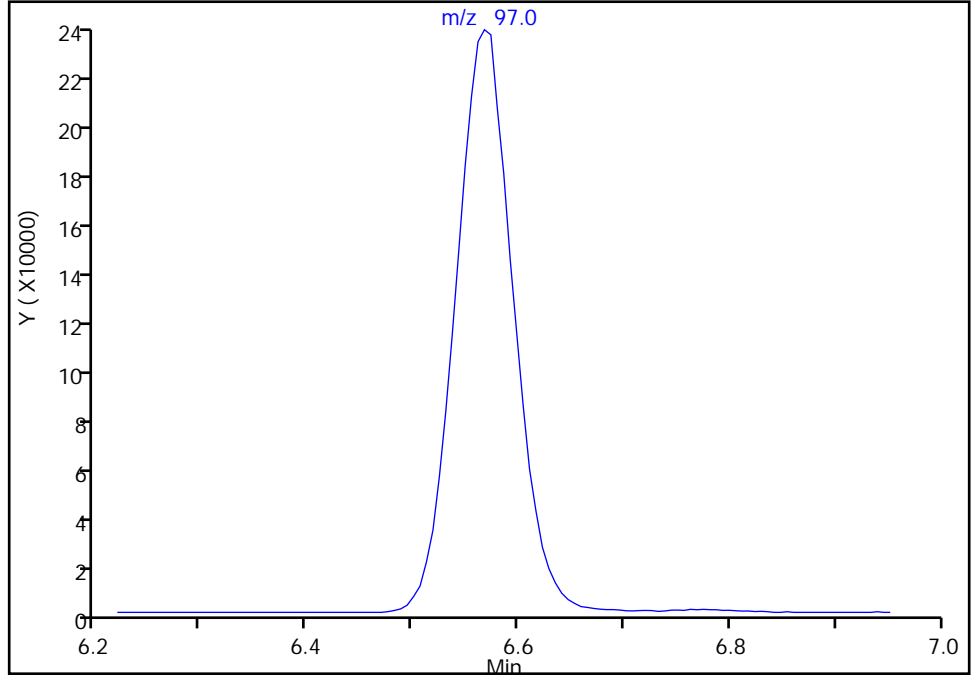
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Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

50 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

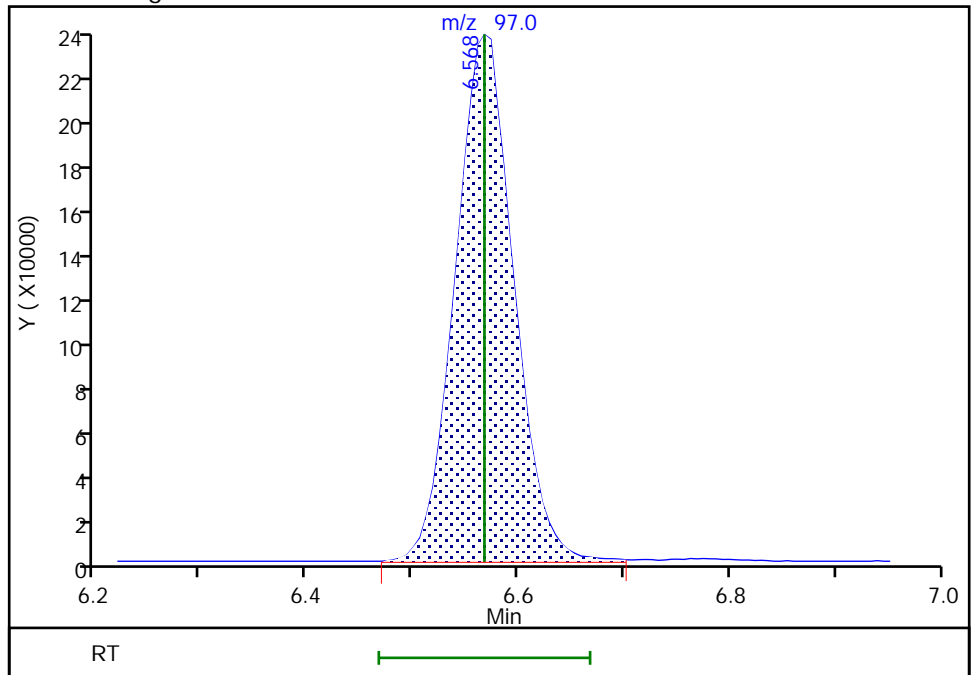
Not Detected
Expected RT: 6.57

Processing Integration Results



Manual Integration Results

RT: 6.57
Area: 914467
Amount: 10.255781
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:38:55 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

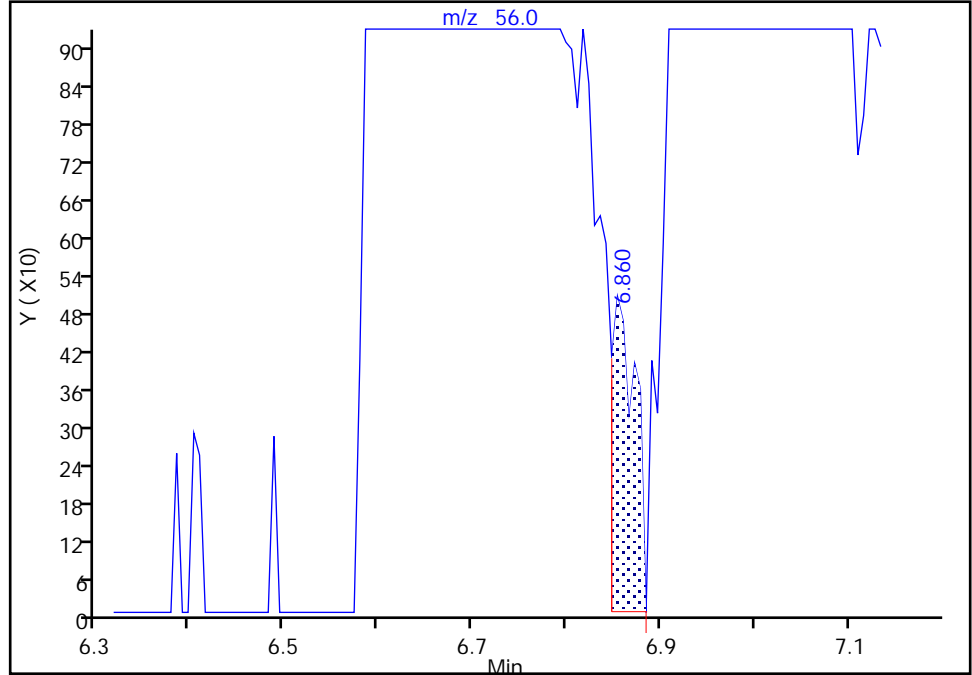
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Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

51 Cyclohexane, CAS: 110-82-7

Signal: 1

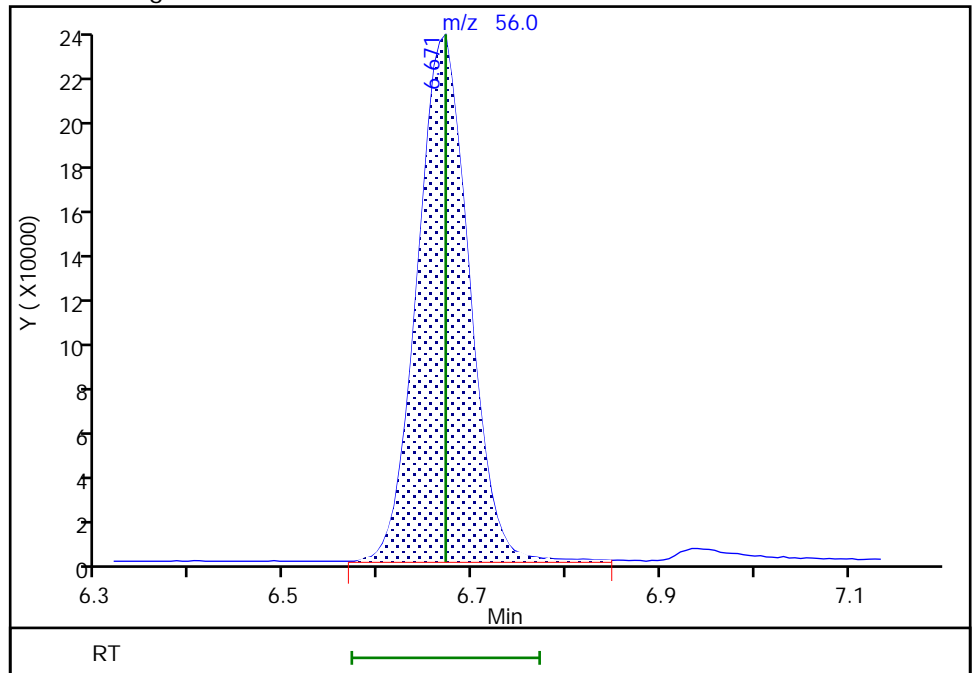
RT: 6.86
Area: 891
Amount: 3.740536
Amount Units: ug/l

Processing Integration Results



RT: 6.67
Area: 898646
Amount: 10.635447
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:38:58 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

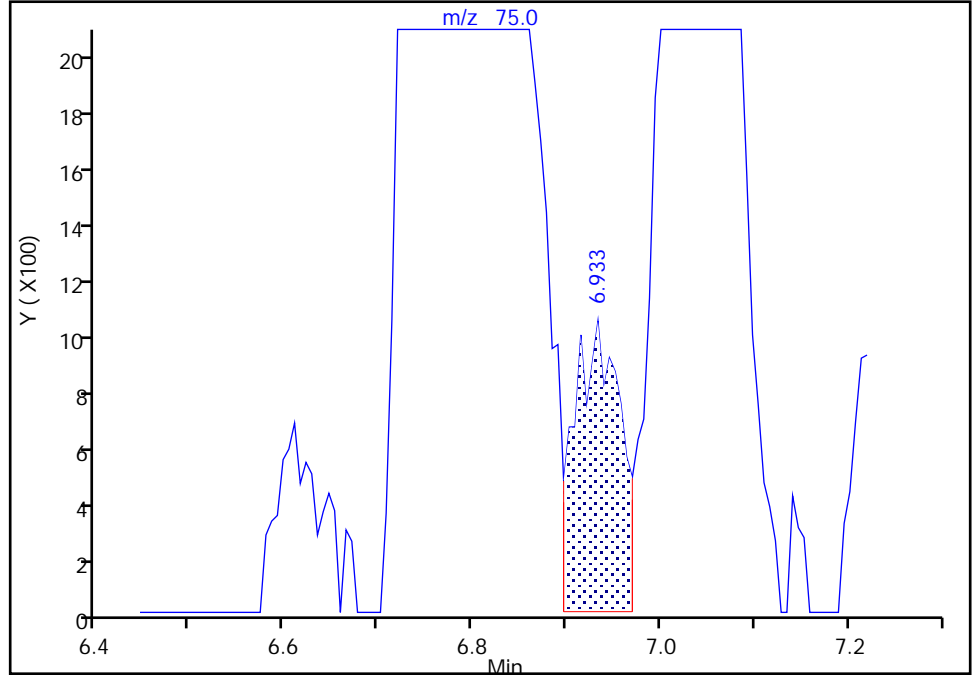
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Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

53 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

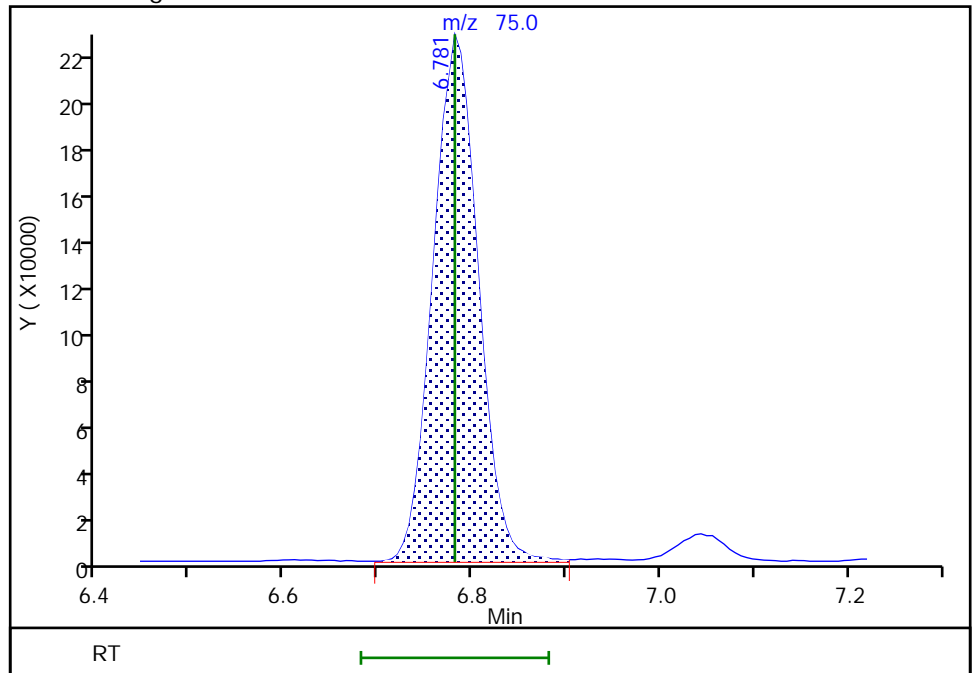
RT: 6.93
Area: 3538
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 6.78
Area: 738645
Amount: 10.404574
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:39:13 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

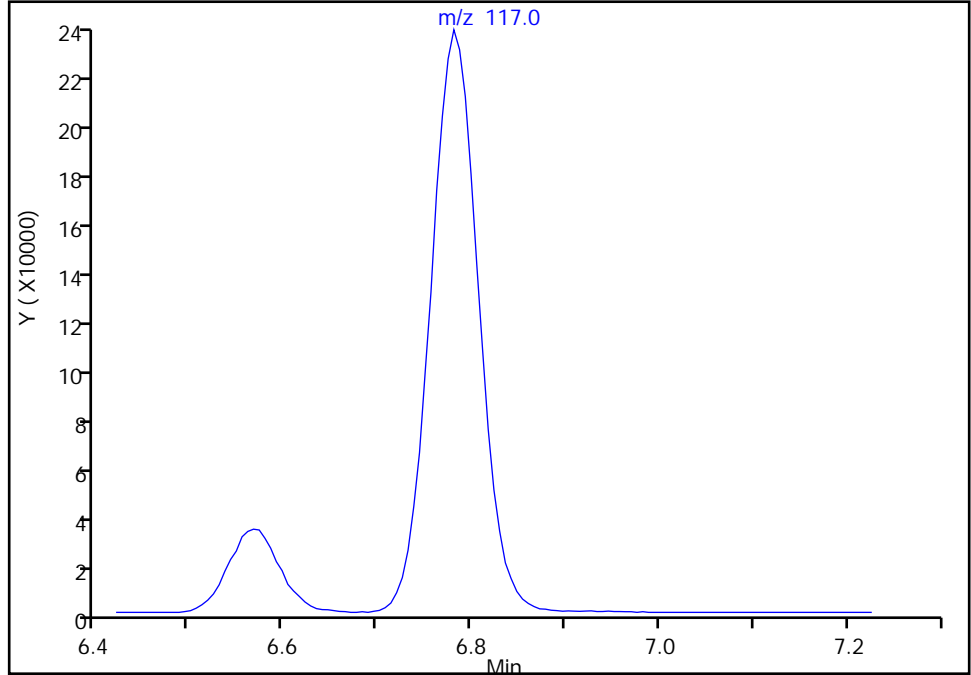
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Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

54 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

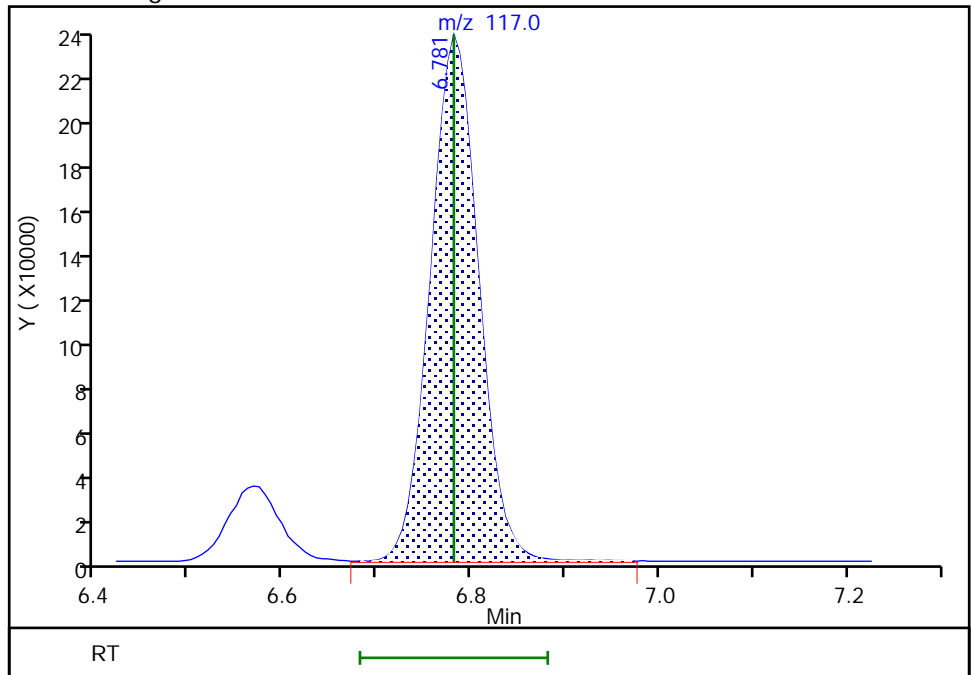
Not Detected
Expected RT: 6.78

Processing Integration Results



Manual Integration Results

RT: 6.78
Area: 847817
Amount: 10.672723
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:39:10 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

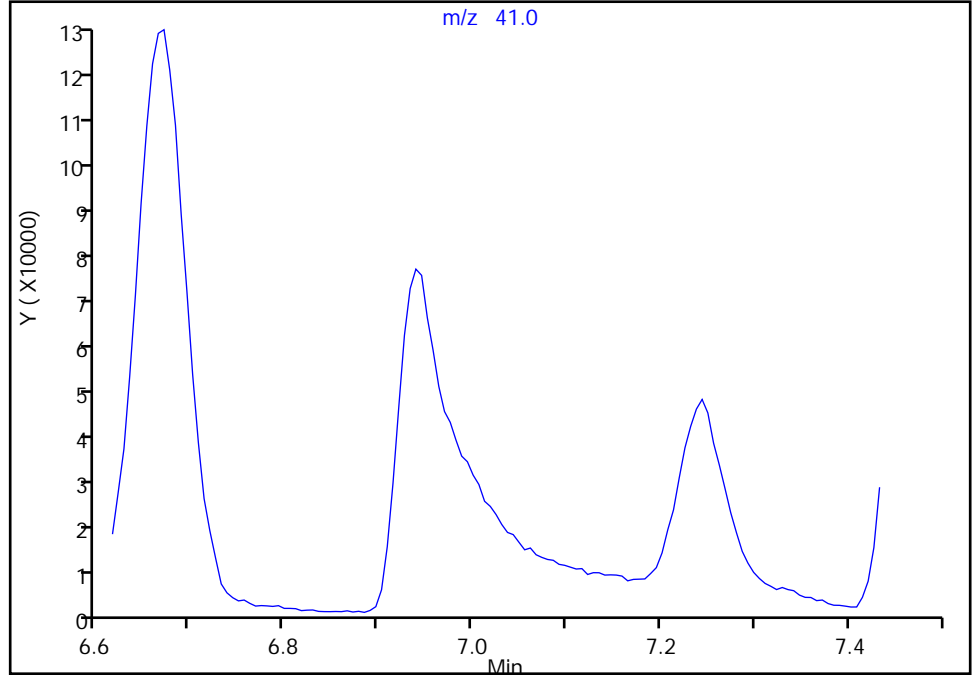
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Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

55 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

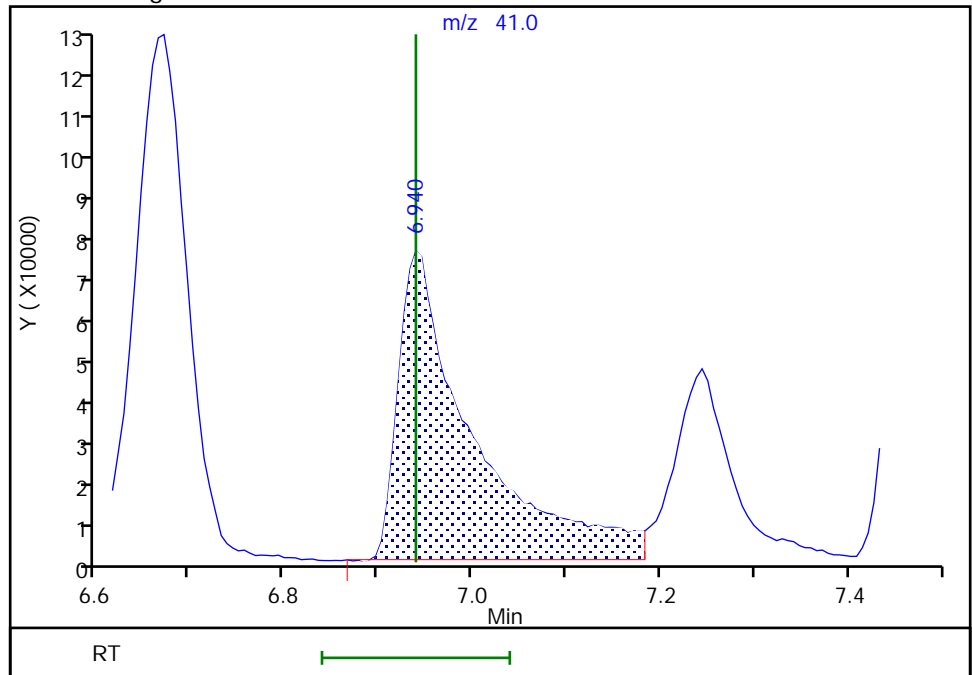
Not Detected
Expected RT: 6.94

Processing Integration Results



Manual Integration Results

RT: 6.94
Area: 408183
Amount: 461.7817
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:39:17 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

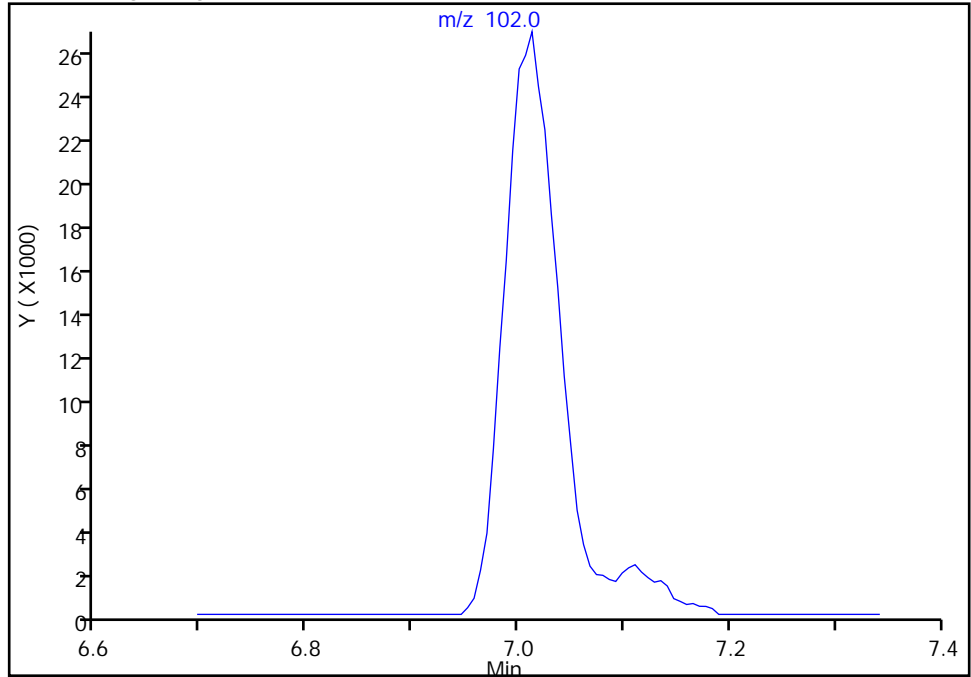
Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 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

\$ 56 1,2-Dichloroethane-d4 (Surr), CAS: 17060-07-0
Signal: 1

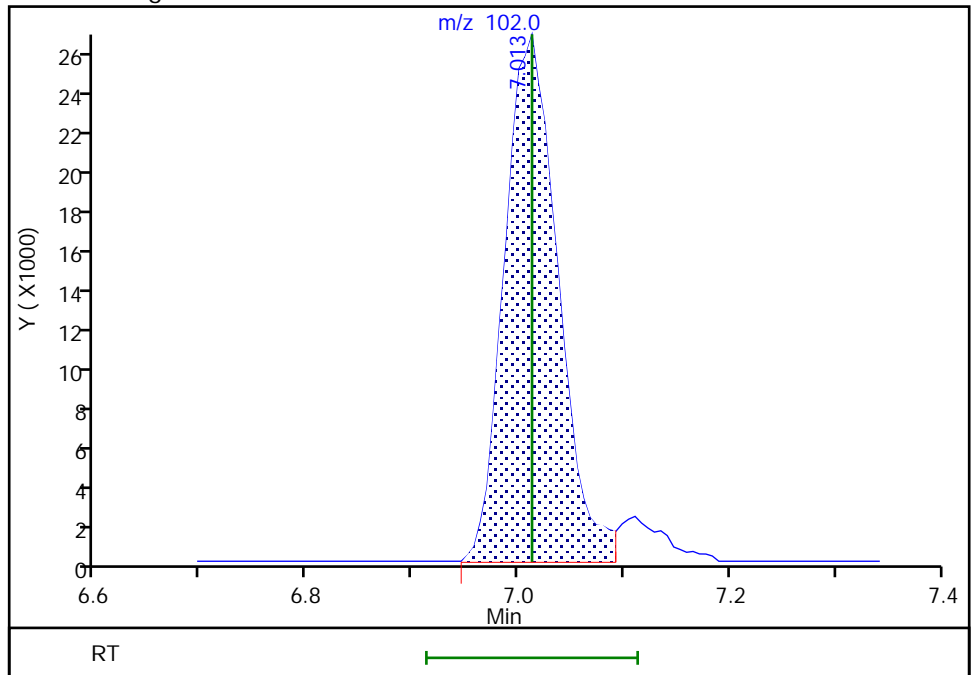
Not Detected
Expected RT: 7.01

Processing Integration Results



Manual Integration Results

RT: 7.01
Area: 91929
Amount: 9.985461
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:35:23 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

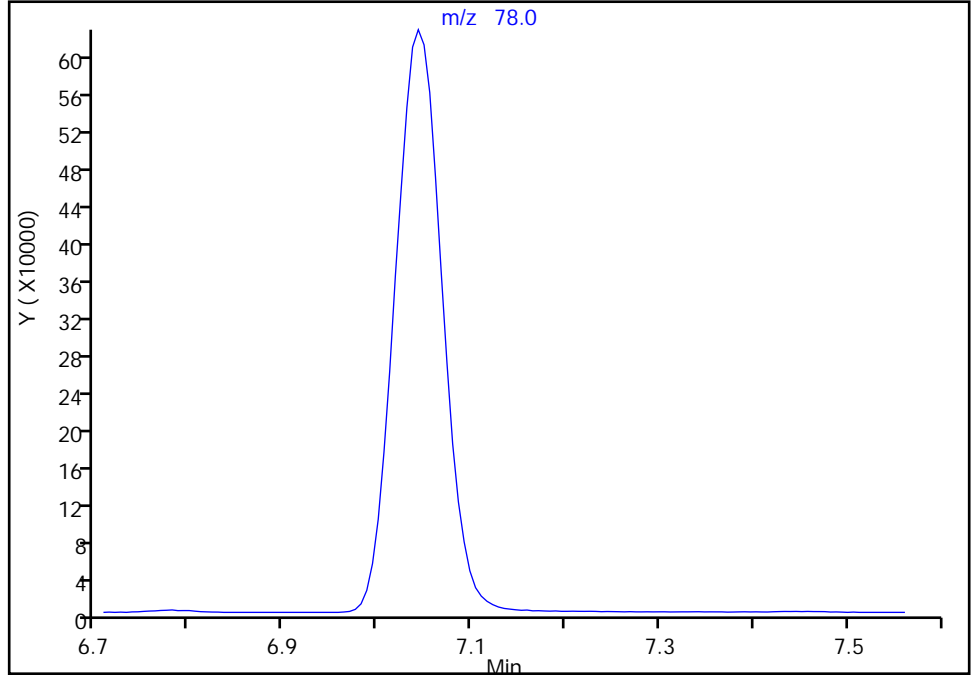
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Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

57 Benzene, CAS: 71-43-2

Signal: 1

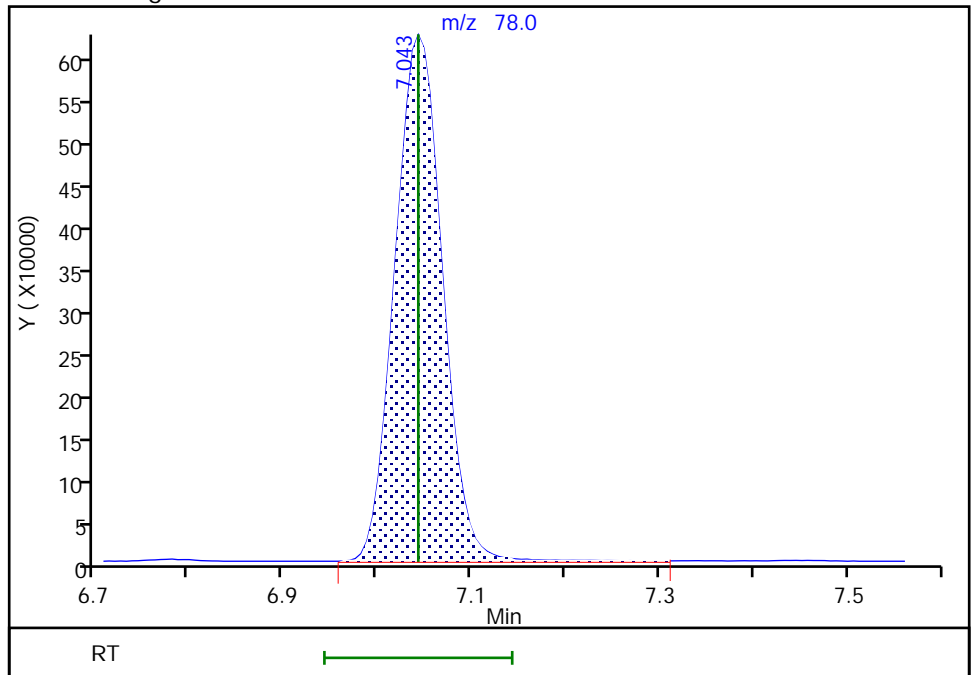
Not Detected
Expected RT: 7.04

Processing Integration Results



Manual Integration Results

RT: 7.04
Area: 2192041
Amount: 10.269895
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:39:23 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

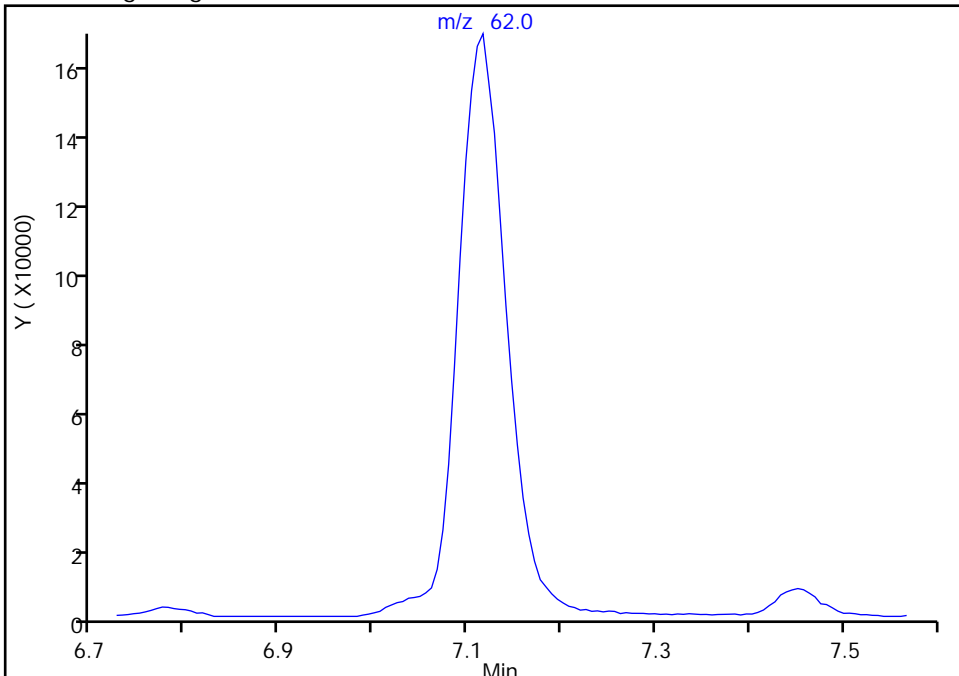
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Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

58 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

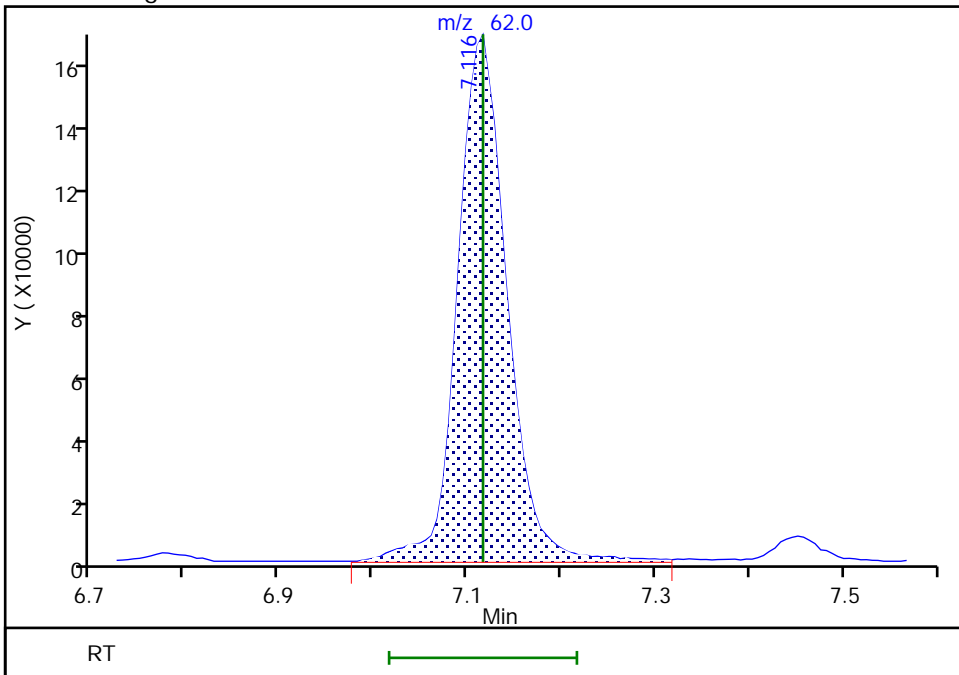
Not Detected
Expected RT: 7.12

Processing Integration Results



Manual Integration Results

RT: 7.12
Area: 589464
Amount: 10.187085
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:39:26 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

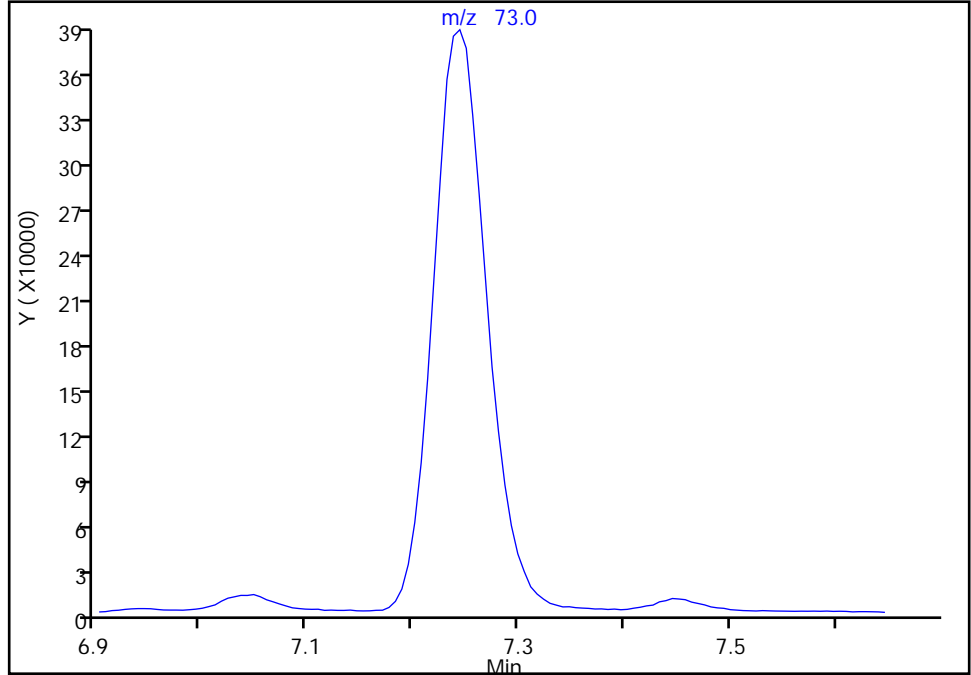
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Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

60 Tert-amyl methyl ether, CAS: 994-05-8

Signal: 1

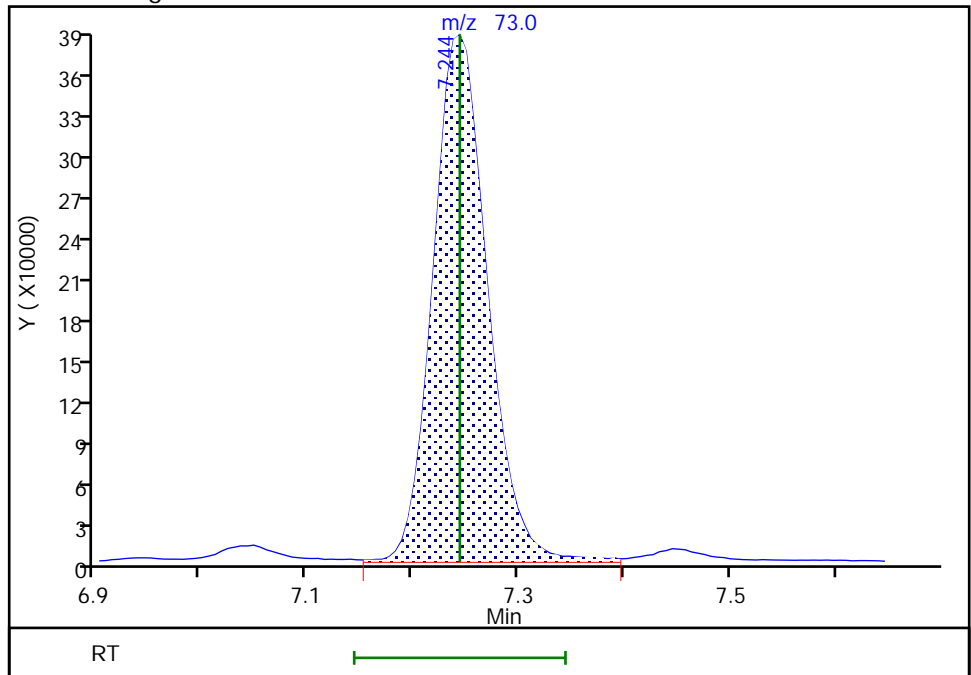
Not Detected
Expected RT: 7.24

Processing Integration Results



Manual Integration Results

RT: 7.24
Area: 1374850
Amount: 10.259830
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:39:29 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

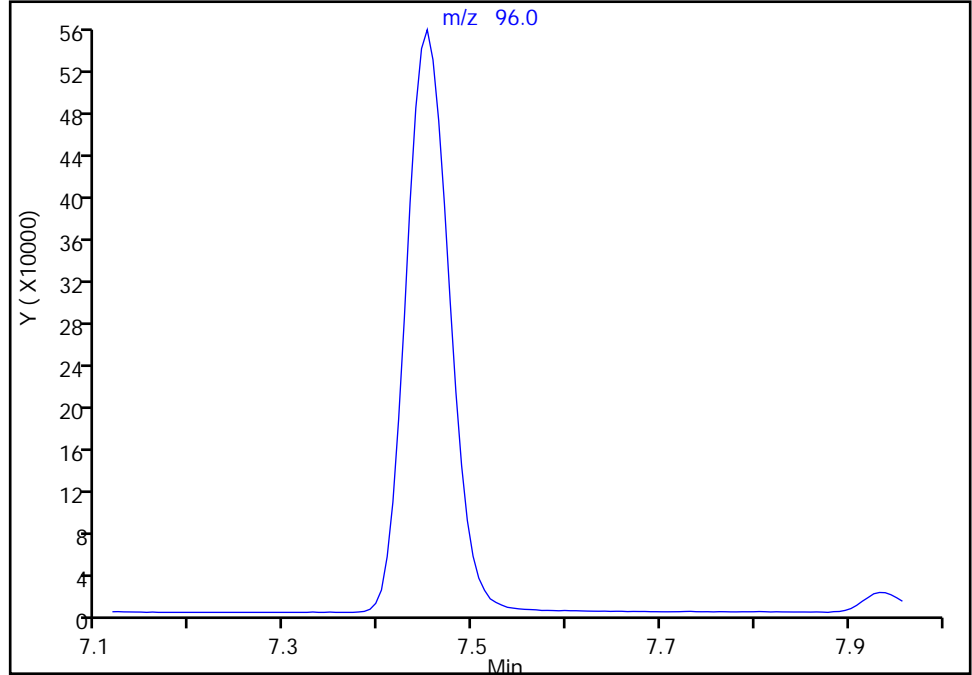
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 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

* 61 Fluorobenzene (IS), CAS: 462-06-6
Signal: 1

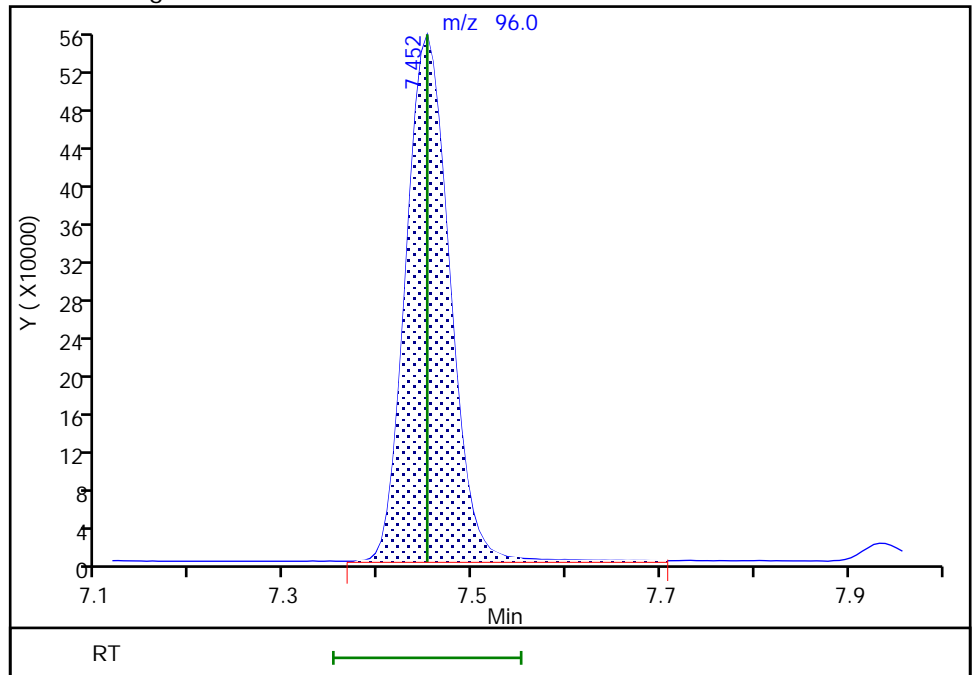
Not Detected
Expected RT: 7.45

Processing Integration Results



Manual Integration Results

RT: 7.45
Area: 1807671
Amount: 10.000000
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:35:11 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

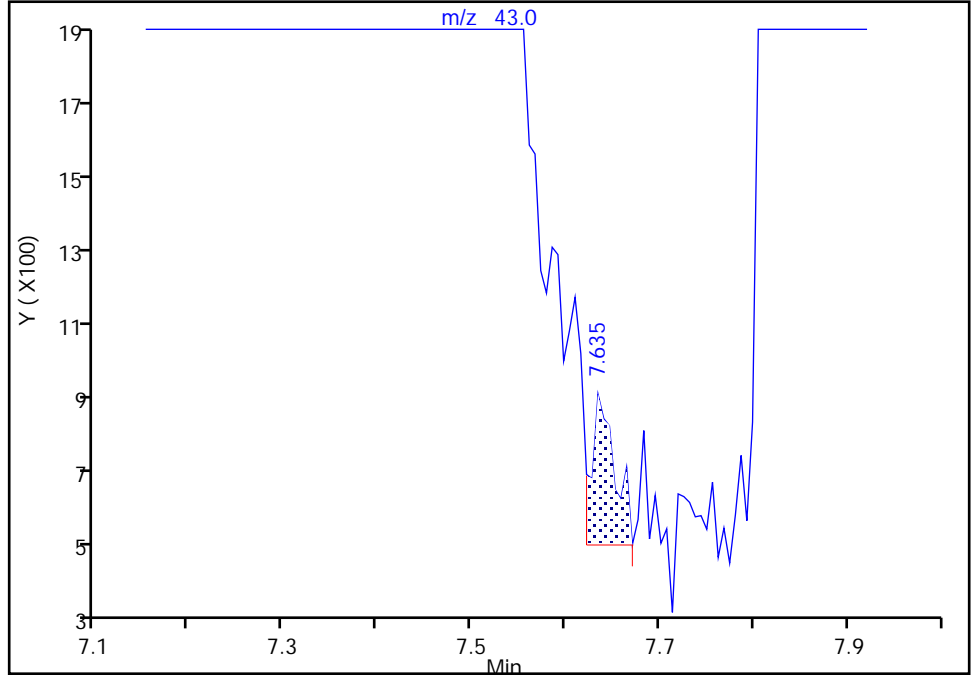
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

62 n-Heptane, CAS: 142-82-5

Signal: 1

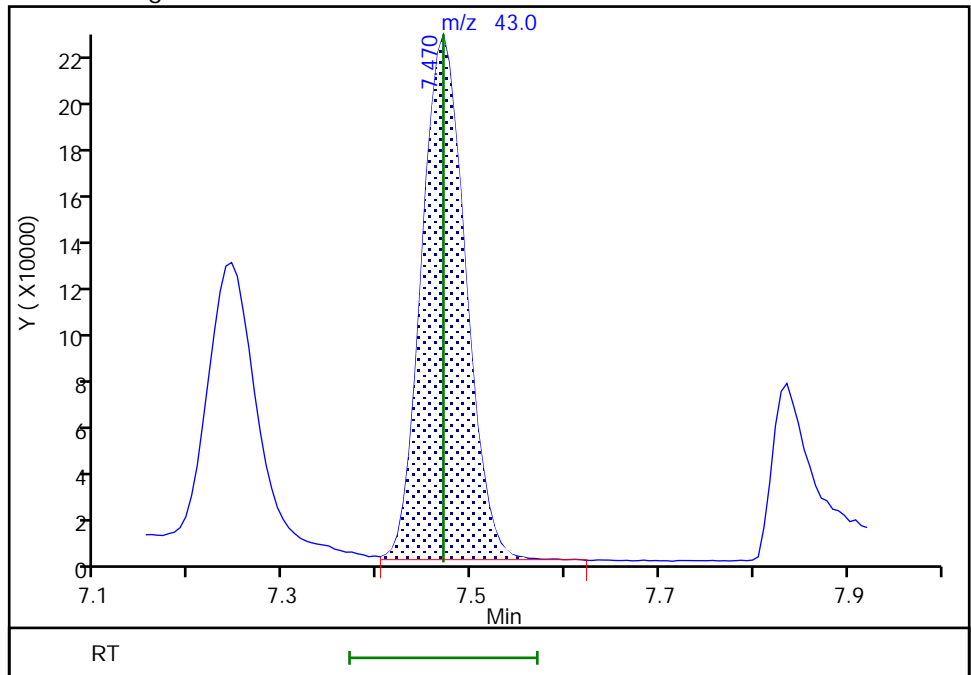
RT: 7.63
Area: 669
Amount: 0.002433
Amount Units: ug/l

Processing Integration Results



RT: 7.47
Area: 722856
Amount: 10.644753
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:39:35 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

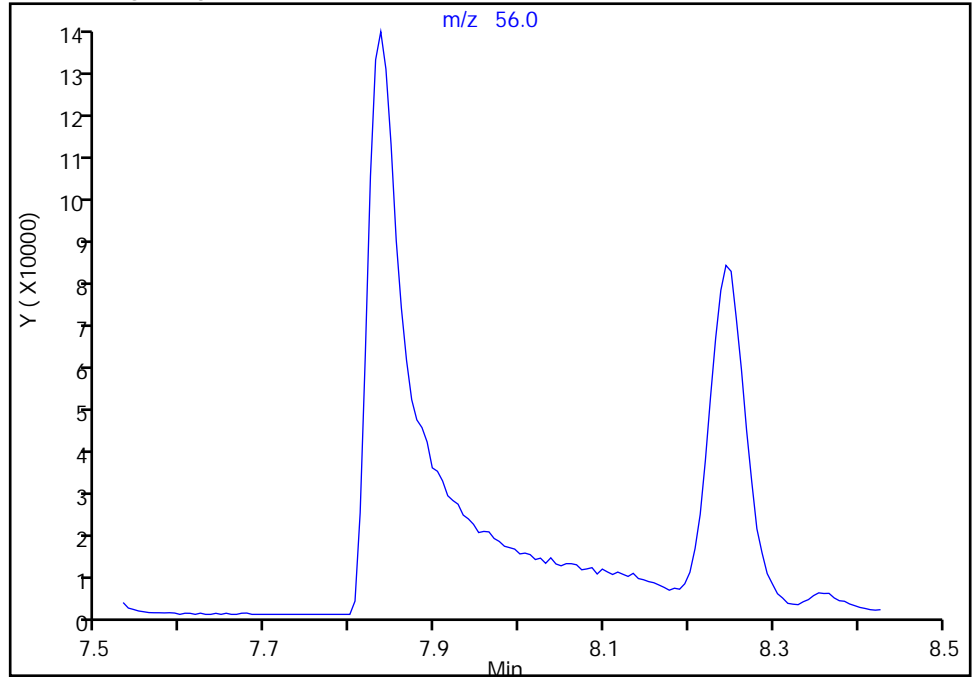
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

63 n-Butanol, CAS: 71-36-3

Signal: 1

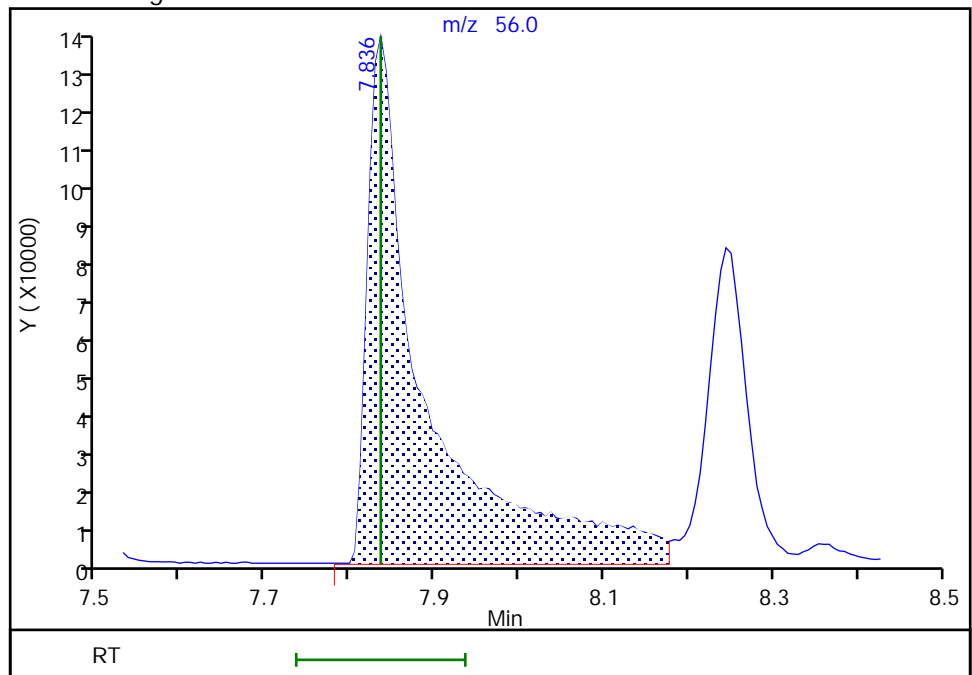
Not Detected
Expected RT: 7.84

Processing Integration Results



Manual Integration Results

RT: 7.84
Area: 662655
Amount: 976.0012
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:39:38 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

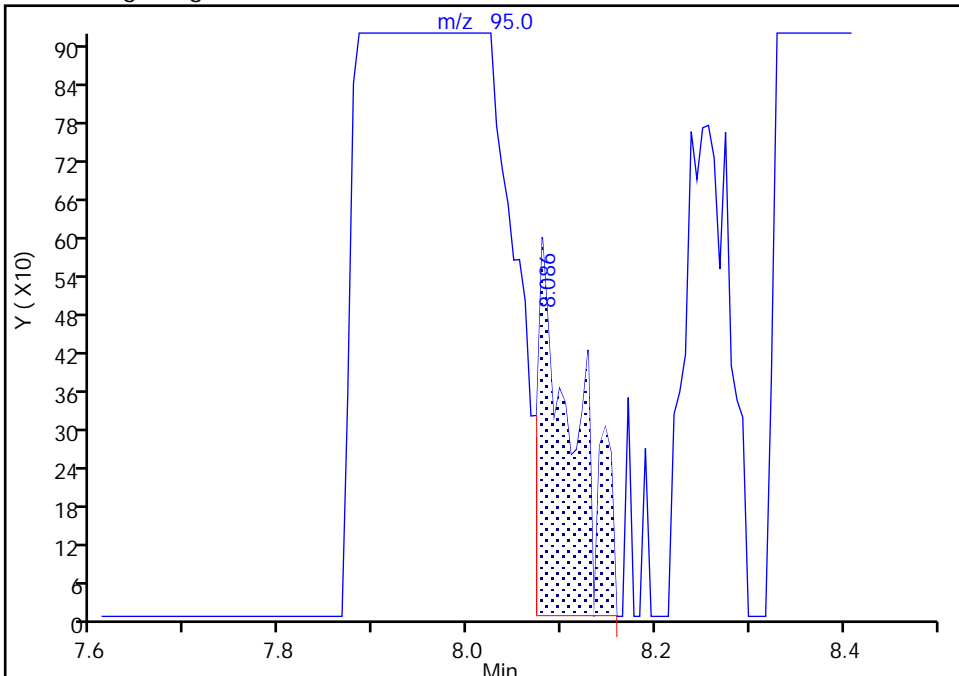
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

64 Trichloroethene, CAS: 79-01-6

Signal: 1

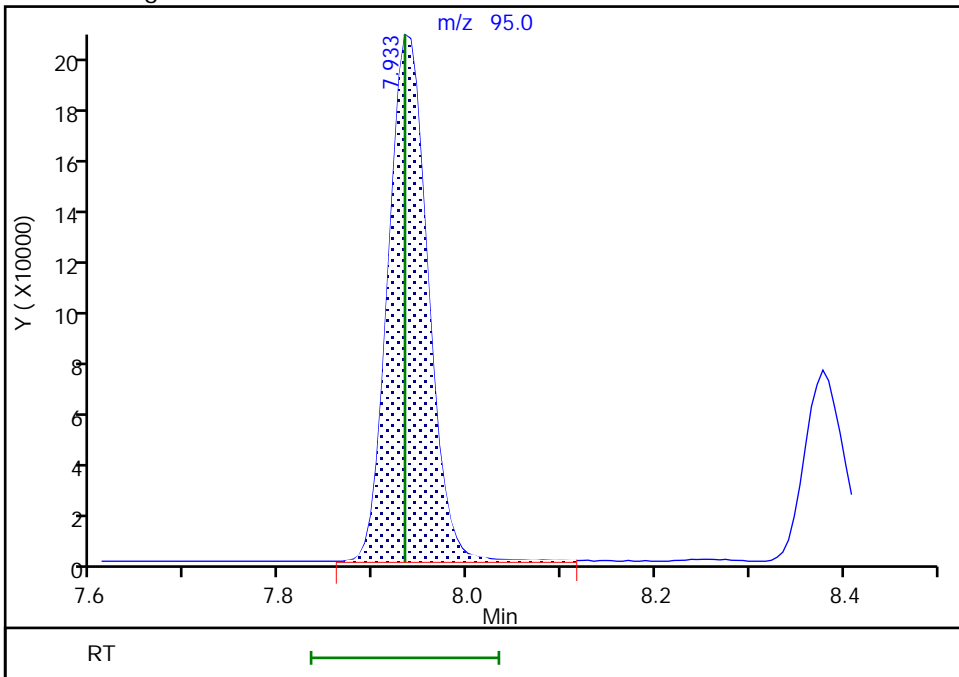
RT: 8.09
Area: 1628
Amount: 10.000000
Amount Units: ug/l

Processing Integration Results



RT: 7.93
Area: 615027
Amount: 10.357052
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:39:44 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Euofins Lancaster Laboratories Environment Testing, LLC

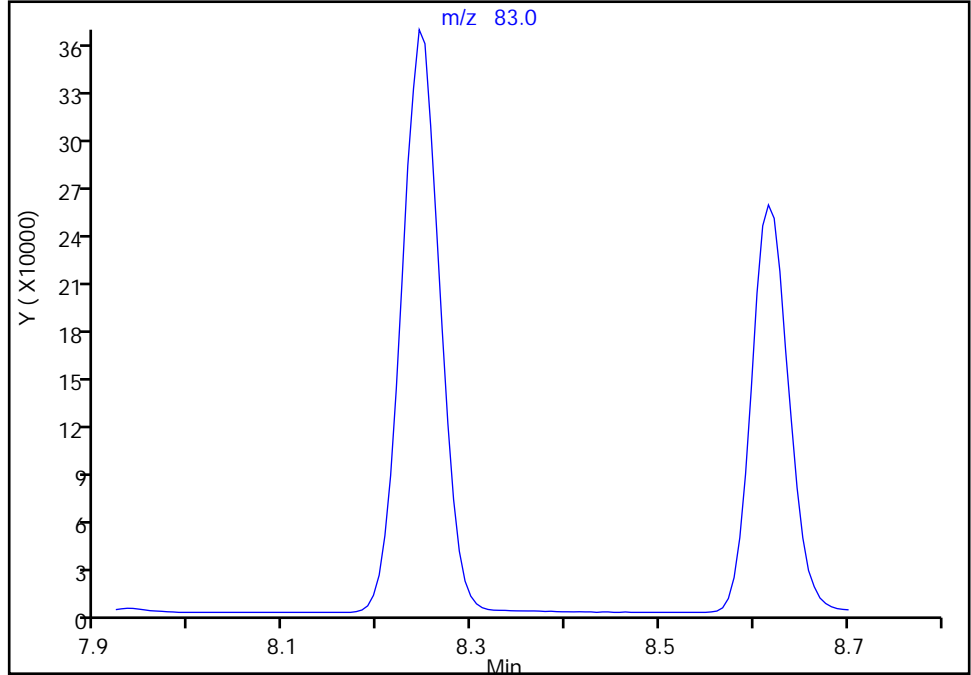
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

65 Methylcyclohexane, CAS: 108-87-2

Signal: 1

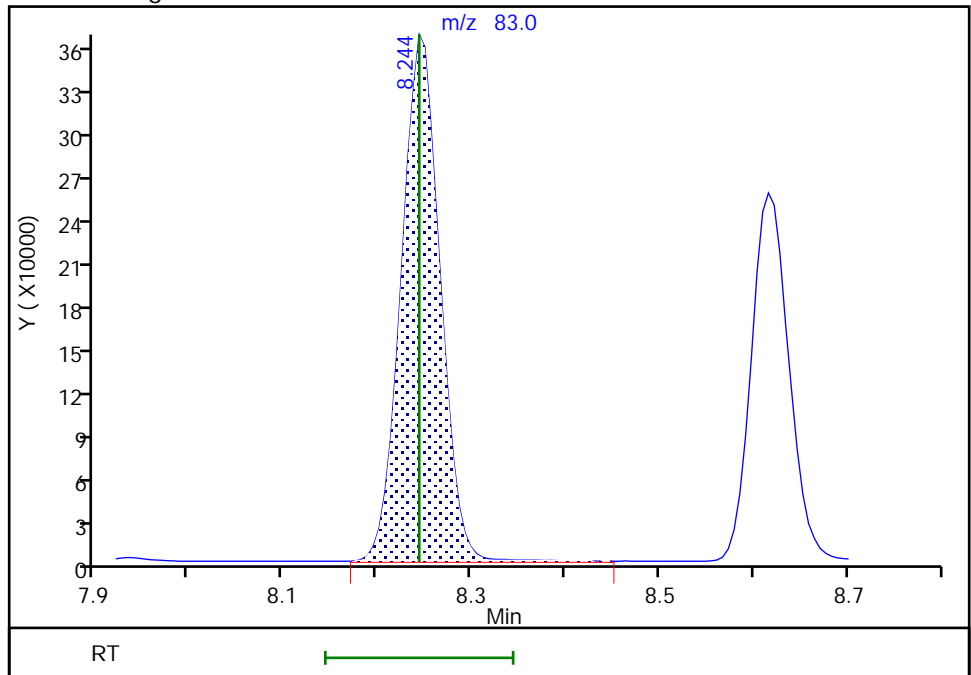
Not Detected
Expected RT: 8.24

Processing Integration Results



RT: 8.24
Area: 1036558
Amount: 10.806063
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:39:47 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

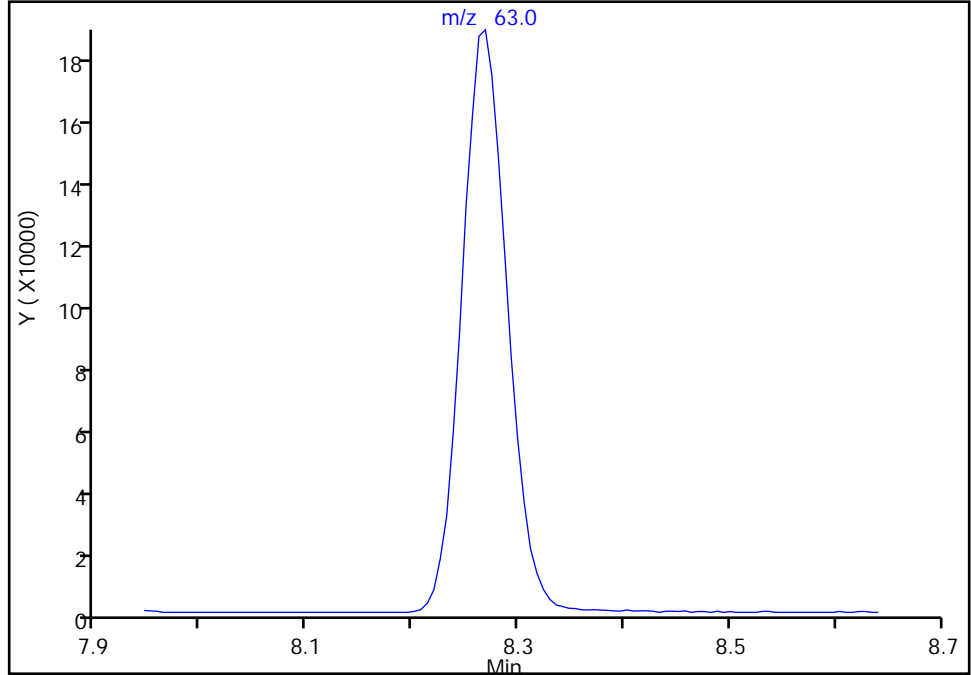
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

66 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

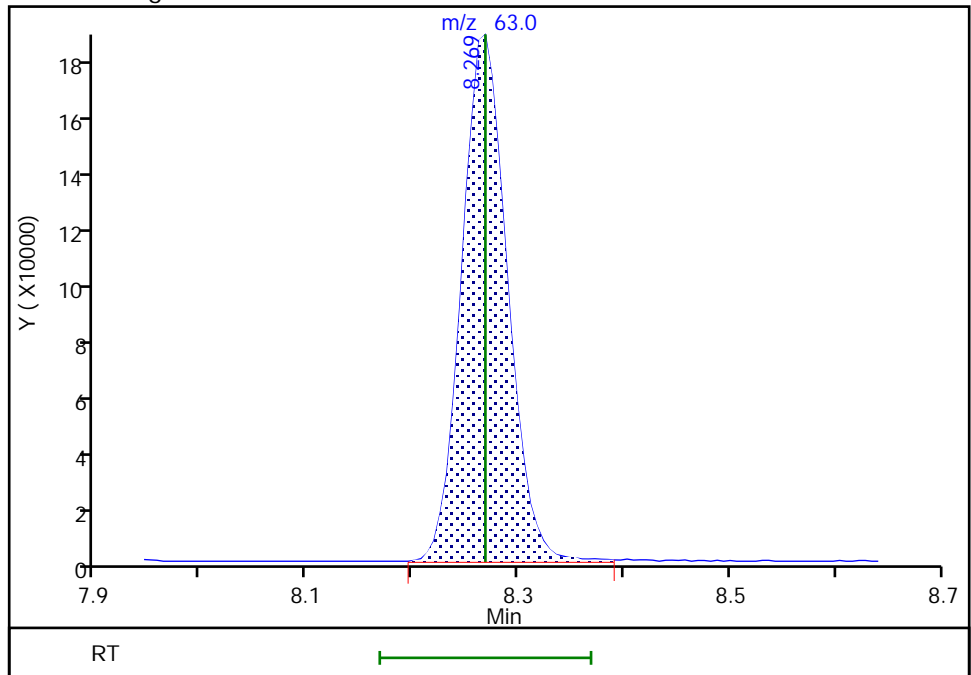
Not Detected
Expected RT: 8.27

Processing Integration Results



Manual Integration Results

RT: 8.27
Area: 544394
Amount: 10.315438
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:39:50 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

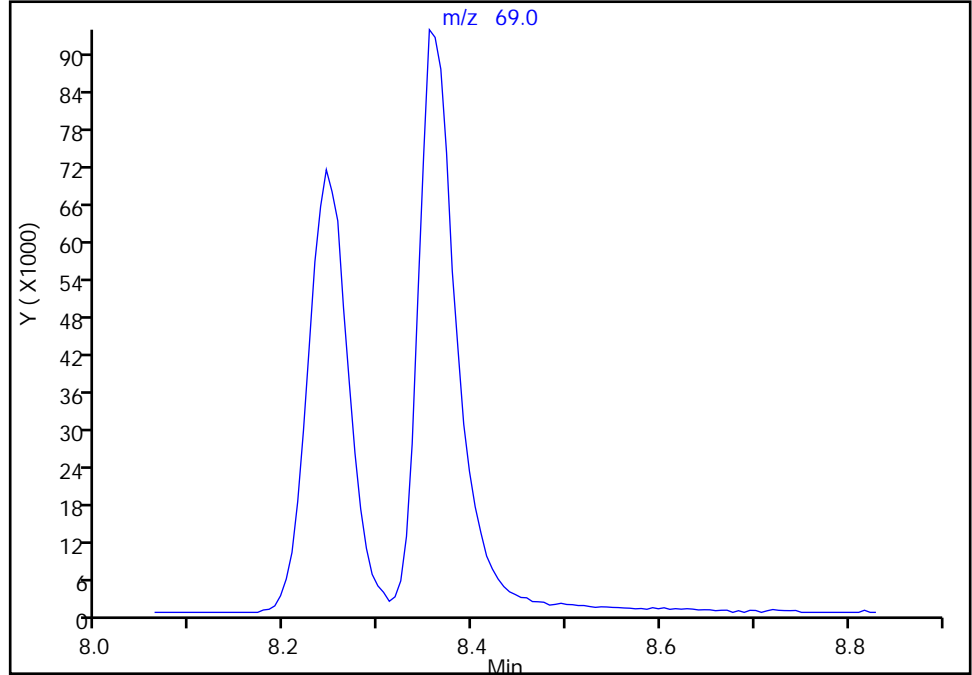
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

67 Methyl methacrylate, CAS: 80-62-6

Signal: 1

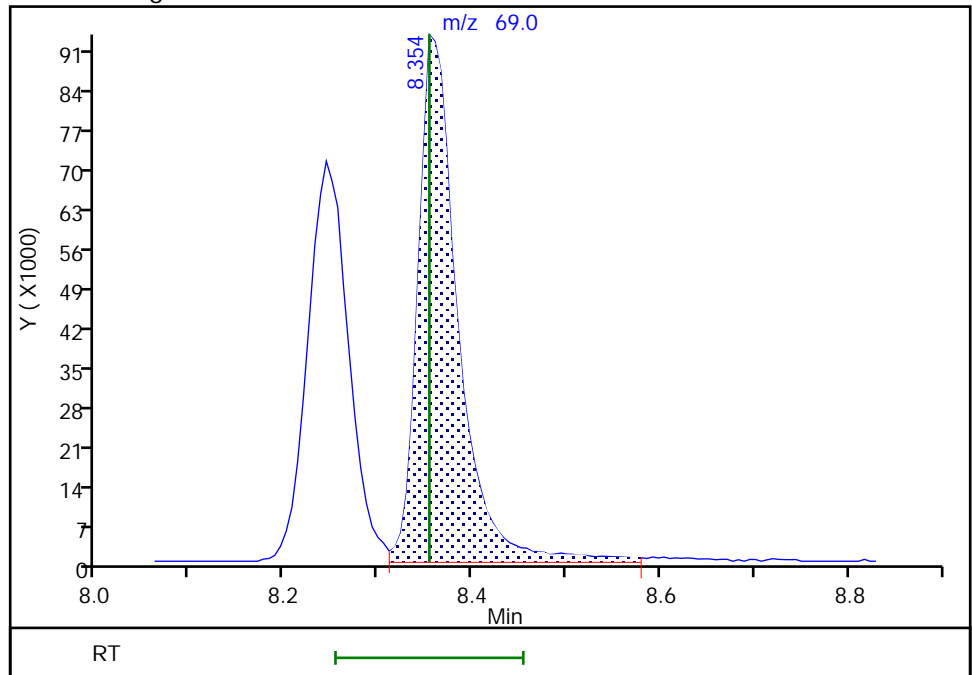
Not Detected
Expected RT: 8.35

Processing Integration Results



Manual Integration Results

RT: 8.35
Area: 276225
Amount: 11.142318
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:39:54 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

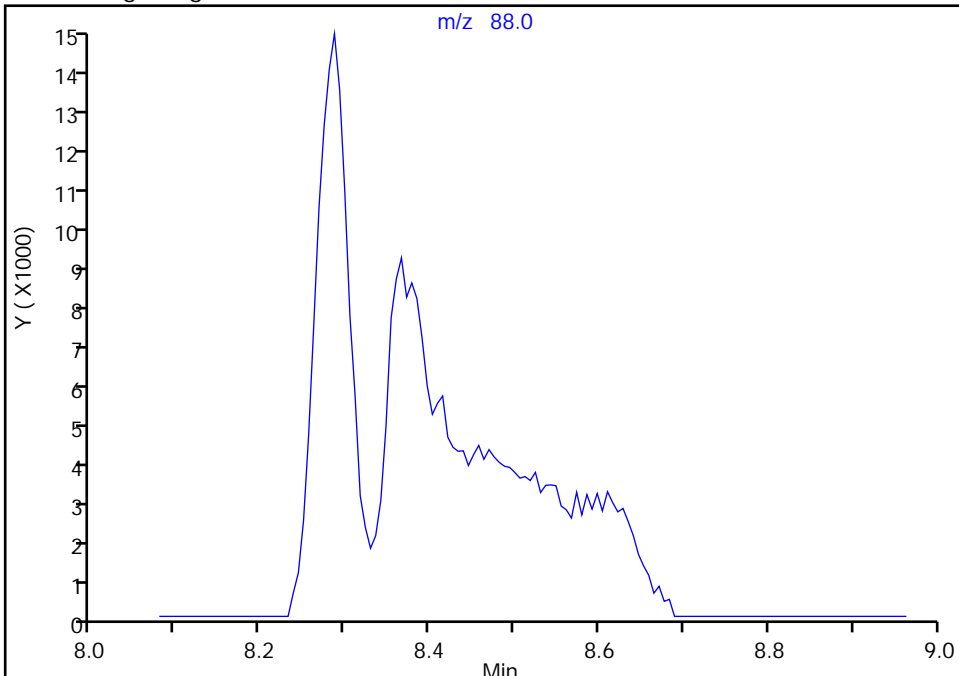
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

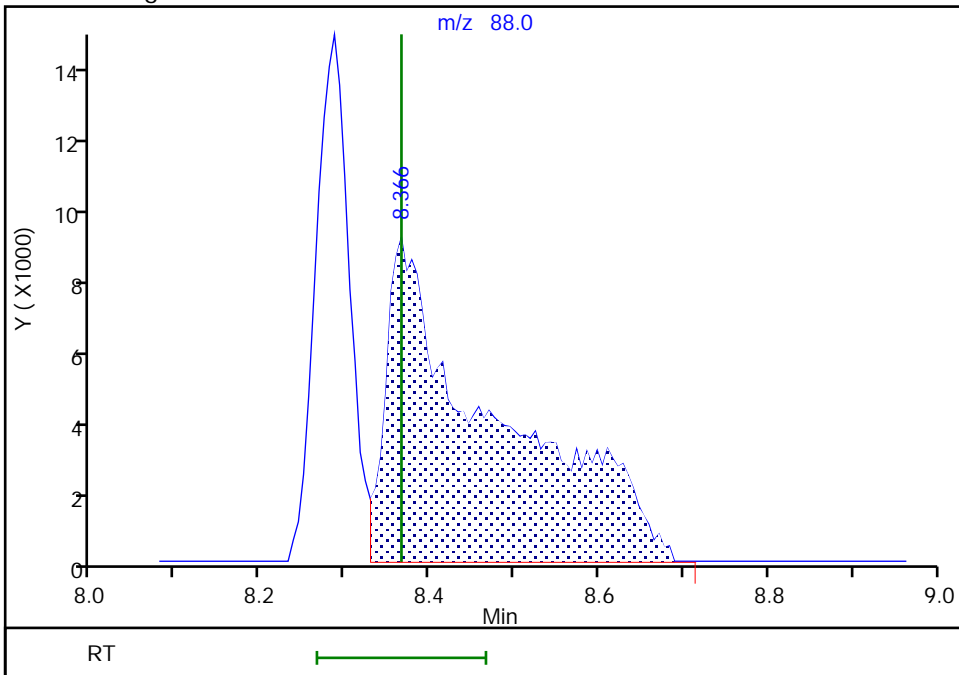
Not Detected
Expected RT: 8.37

Processing Integration Results



Manual Integration Results

RT: 8.37
Area: 79624
Amount: 552.1655
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:40:07 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

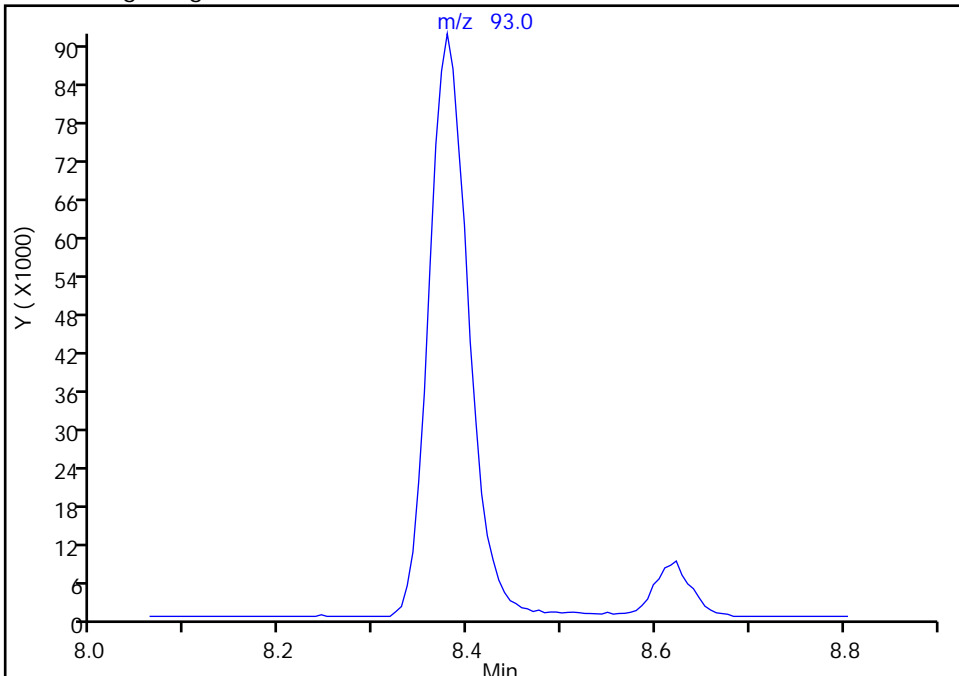
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

69 Dibromomethane, CAS: 74-95-3

Signal: 1

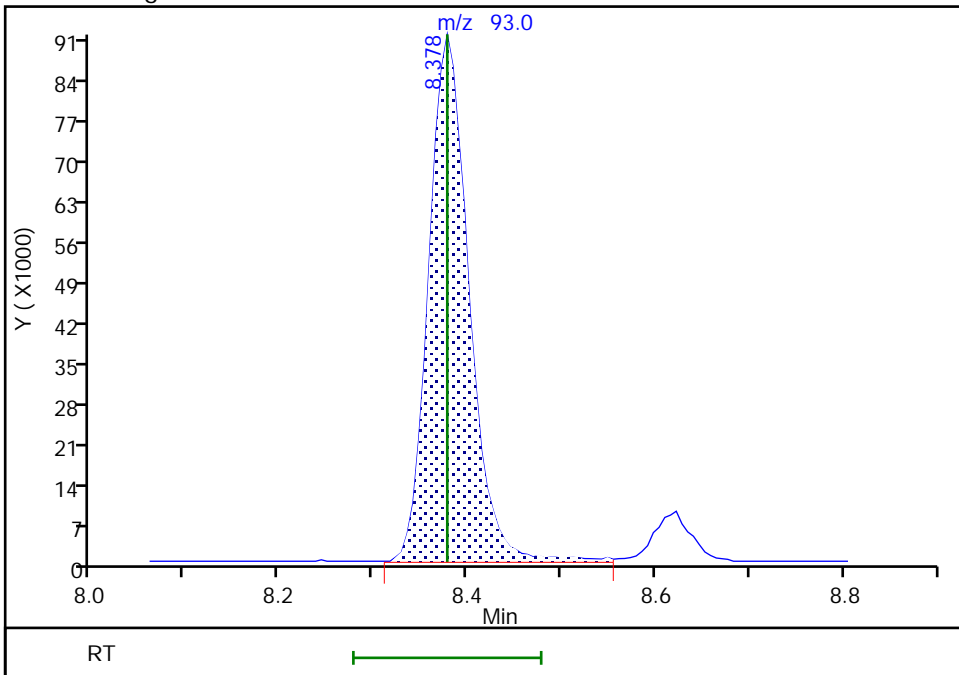
Not Detected
Expected RT: 8.38

Processing Integration Results



Manual Integration Results

RT: 8.38
Area: 271761
Amount: 10.273229
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:40:10 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

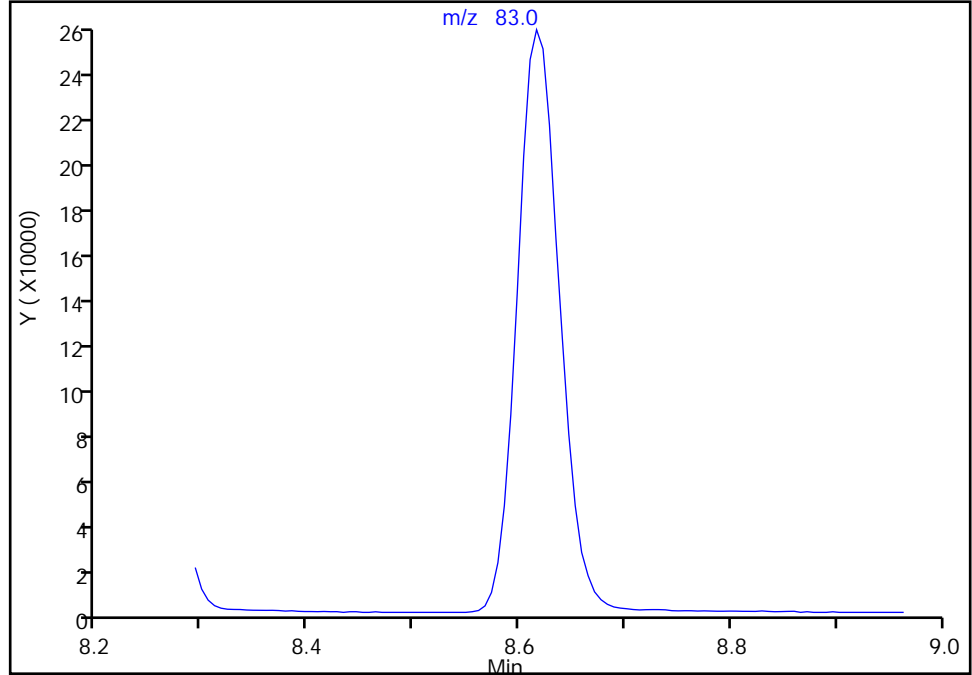
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

71 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

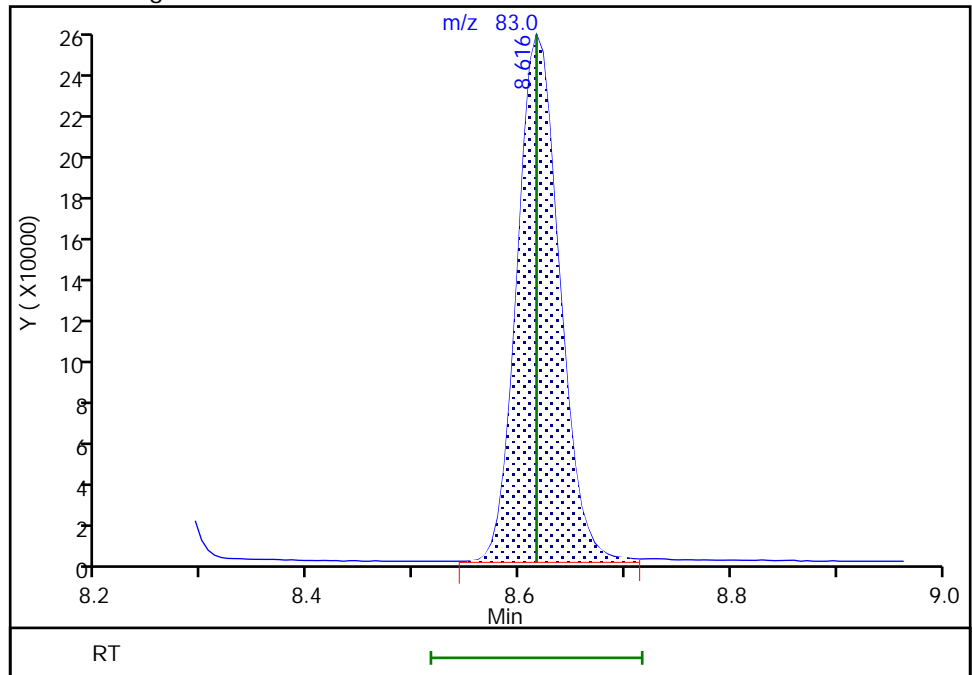
Not Detected
Expected RT: 8.62

Processing Integration Results



Manual Integration Results

RT: 8.62
Area: 705073
Amount: 10.279195
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:40:13 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

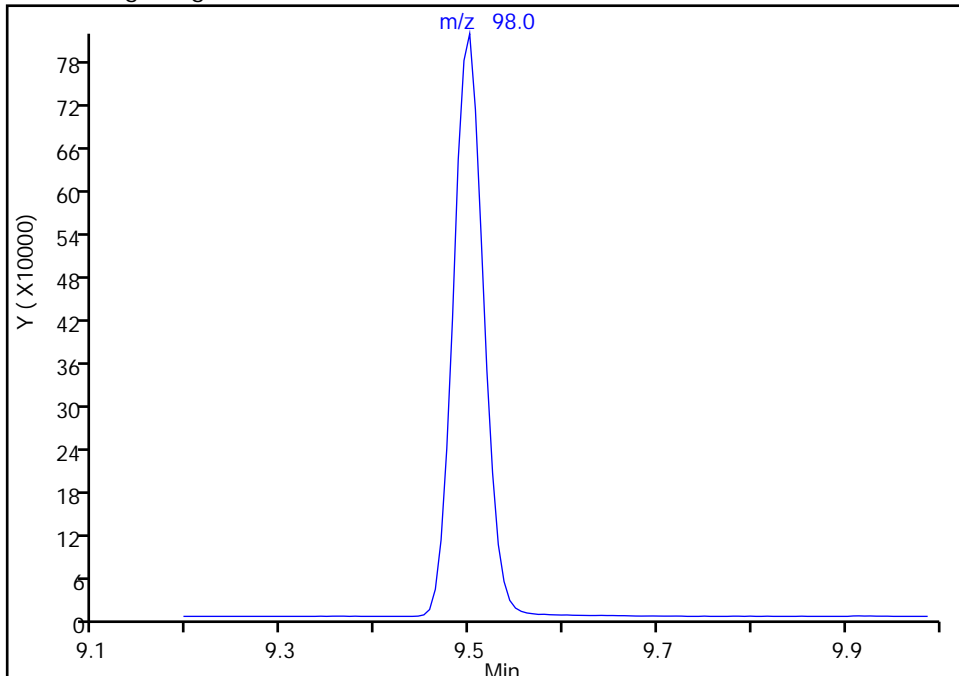
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

\$ 78 Toluene-d8 (Surr), CAS: 2037-26-5

Signal: 1

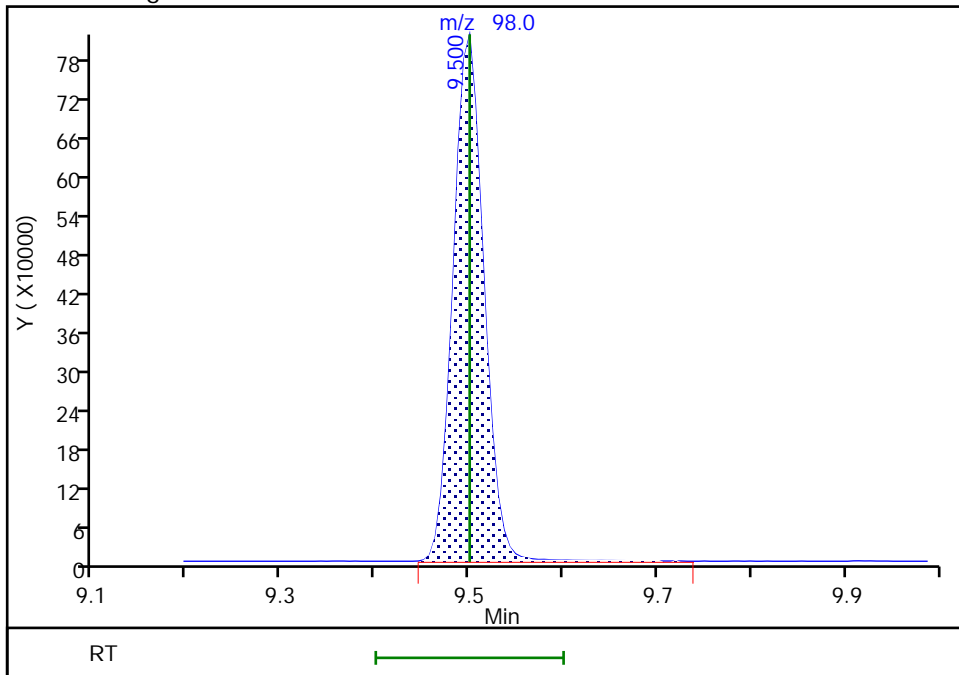
Not Detected
Expected RT: 9.50

Processing Integration Results



Manual Integration Results

RT: 9.50
Area: 1851132
Amount: 9.999085
Amount Units: ug/l



Reviewer: DVW2, 21-Jun-2023 07:35:47 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

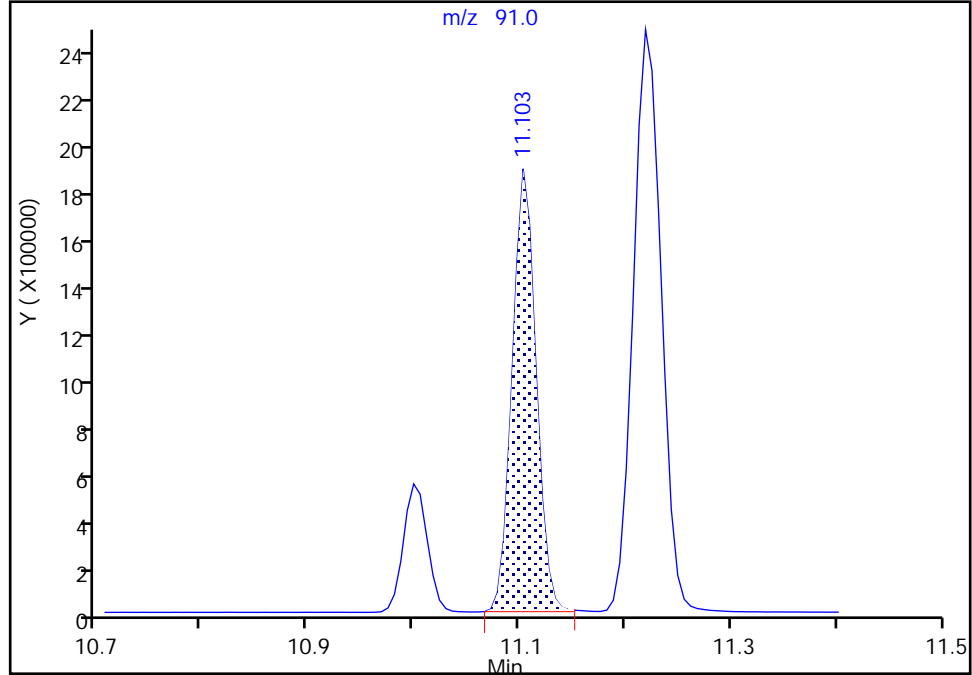
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

108 1-Chlorohexane, CAS: 544-10-5

Signal: 1

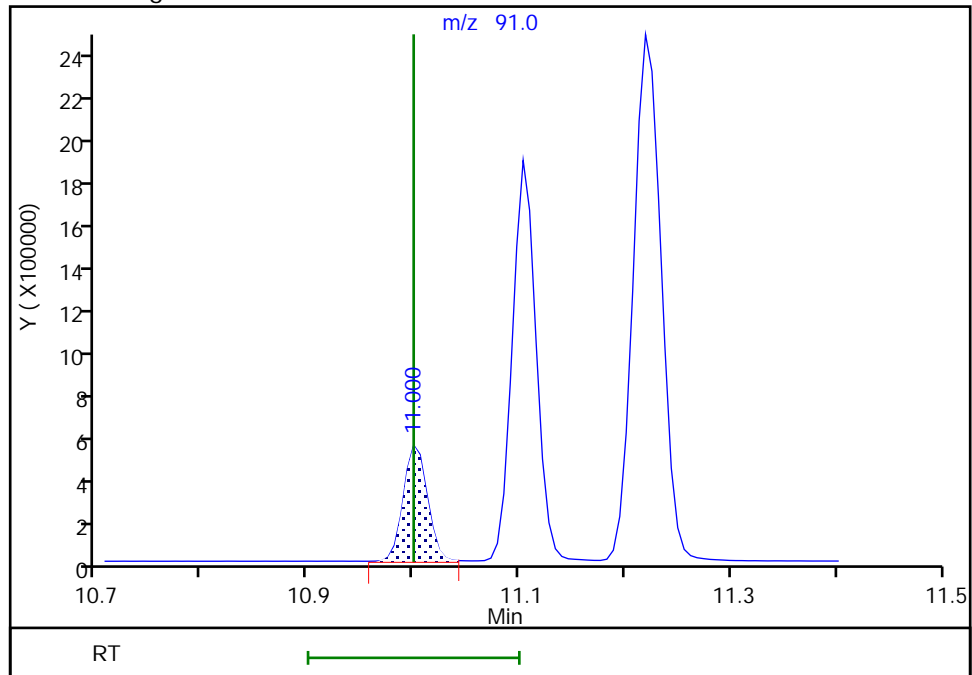
RT: 11.10
Area: 2916569
Amount: 20.386606
Amount Units: ug/l

Processing Integration Results



RT: 11.00
Area: 850962
Amount: 10.012819
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 22-Jun-2023 07:48:21 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

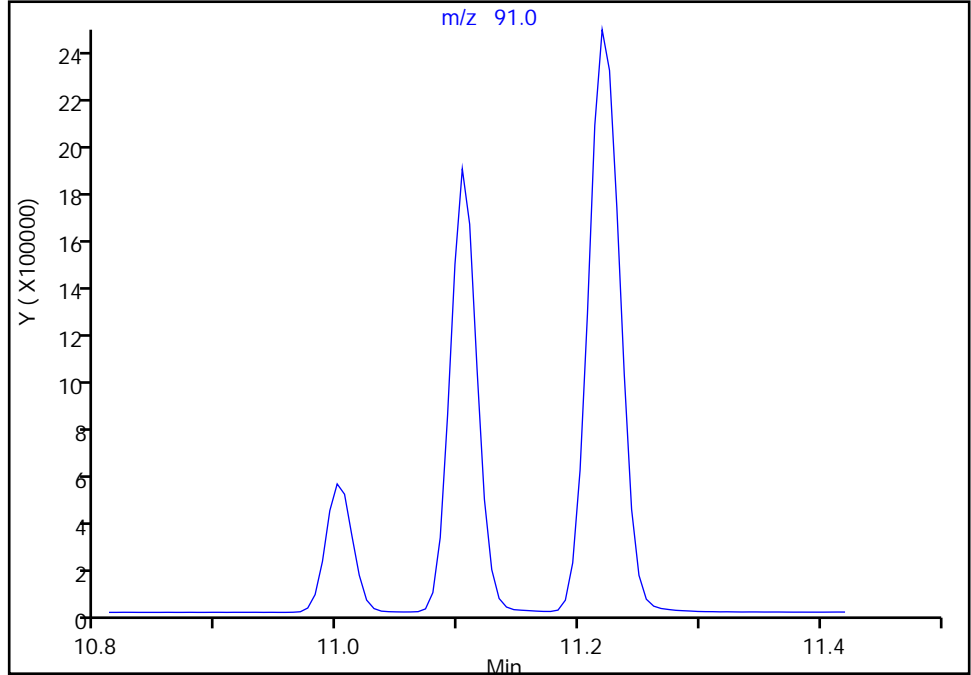
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

112 Ethylbenzene, CAS: 100-41-4

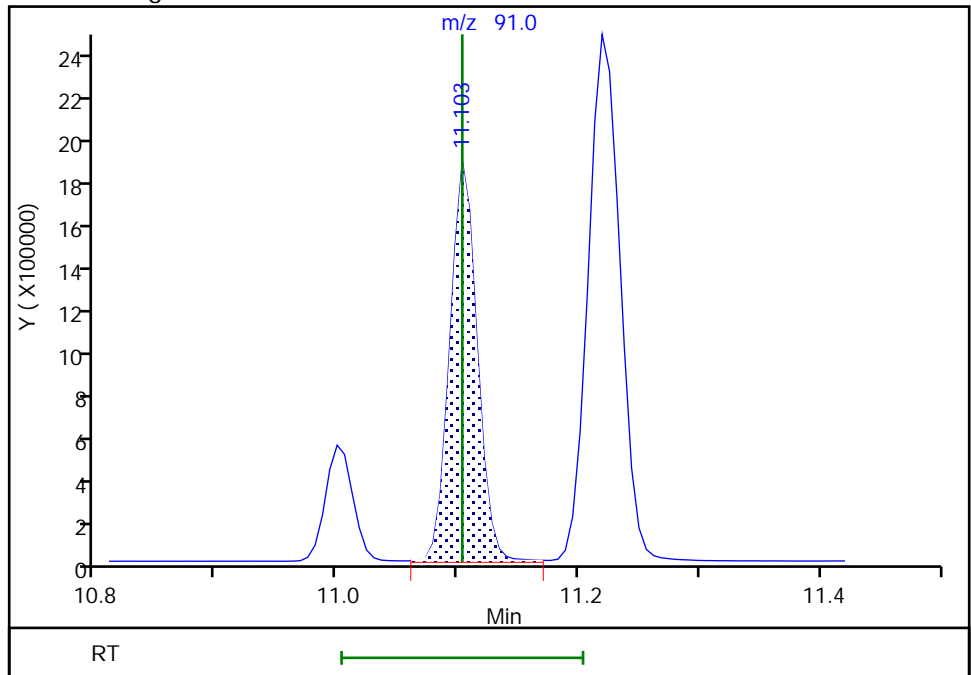
Signal: 1

Not Detected
Expected RT: 11.10

Processing Integration Results



Manual Integration Results



RT: 11.10
Area: 2922252
Amount: 10.268049
Amount Units: ug/l

Reviewer: DVW2, 21-Jun-2023 15:39:03 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

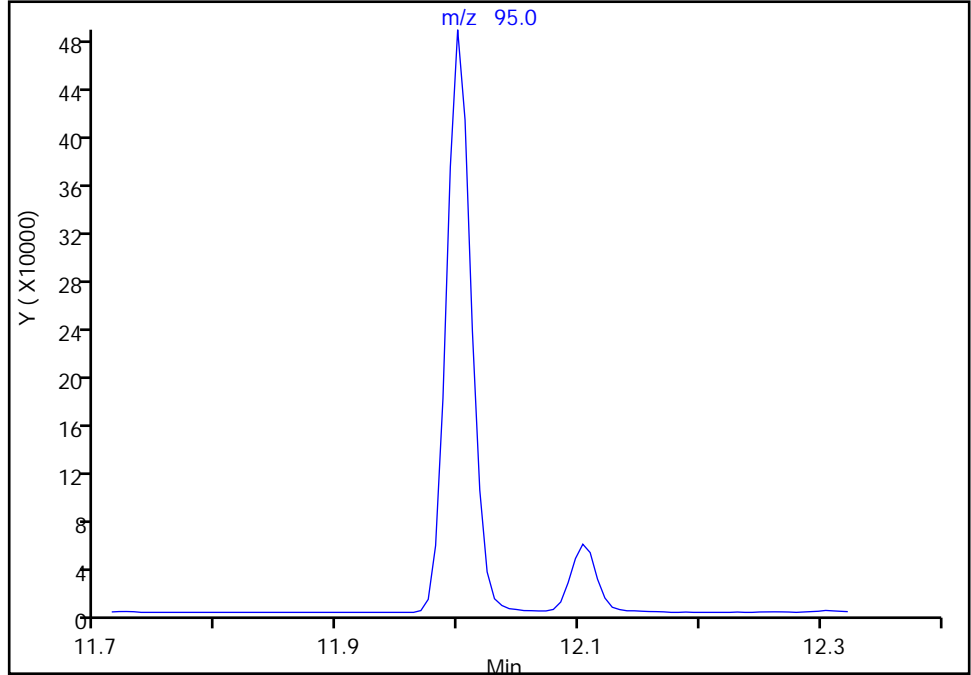
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 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

\$ 120 4-Bromofluorobenzene (Surr), CAS: 460-00-4
Signal: 1

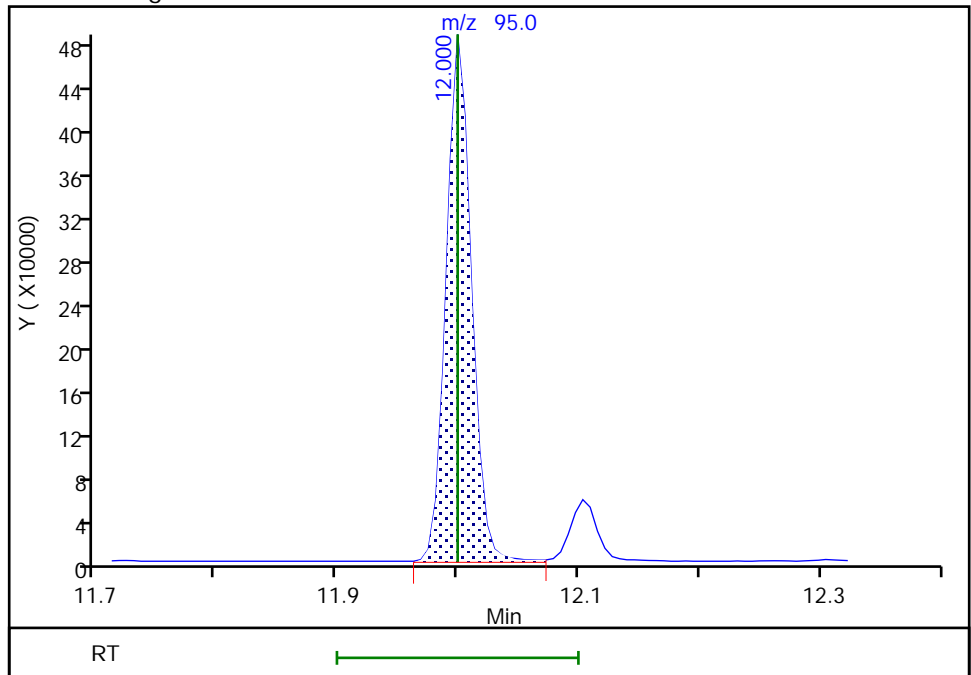
Not Detected
Expected RT: 12.00

Processing Integration Results



RT: 12.00
Area: 698444
Amount: 10.012160
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:35:56 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

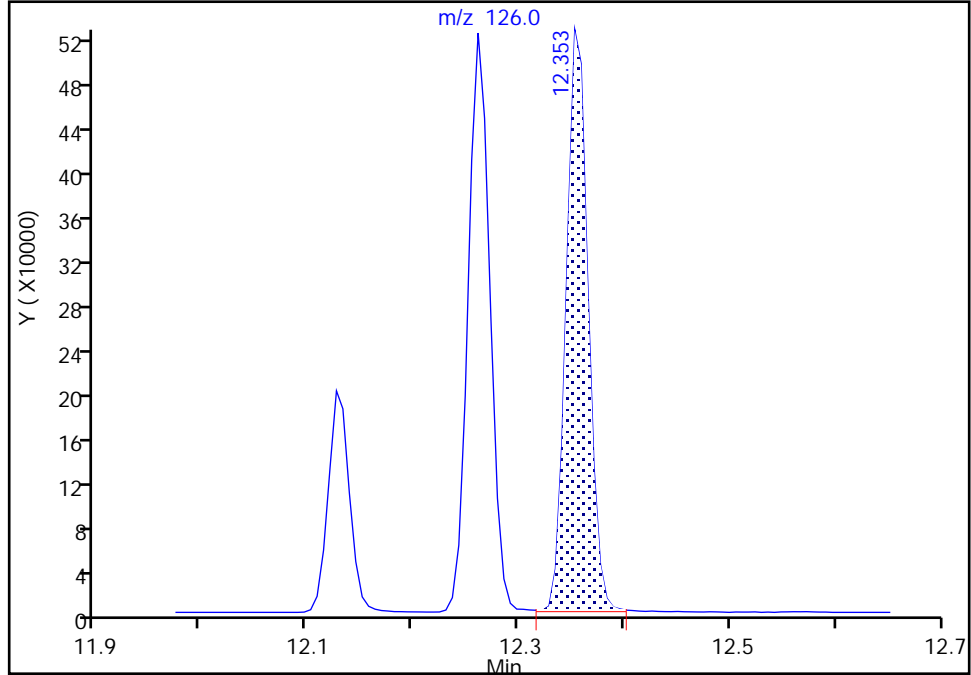
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

126 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

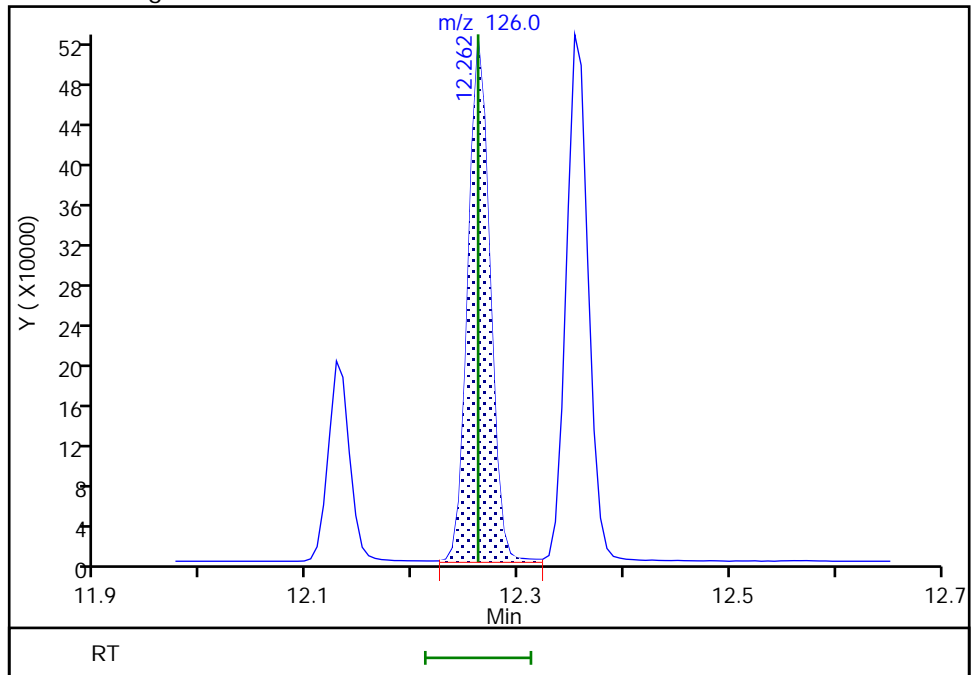
RT: 12.35
Area: 763900
Amount: 10.352973
Amount Units: ug/l

Processing Integration Results



RT: 12.26
Area: 760985
Amount: 10.345897
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 15:39:09 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

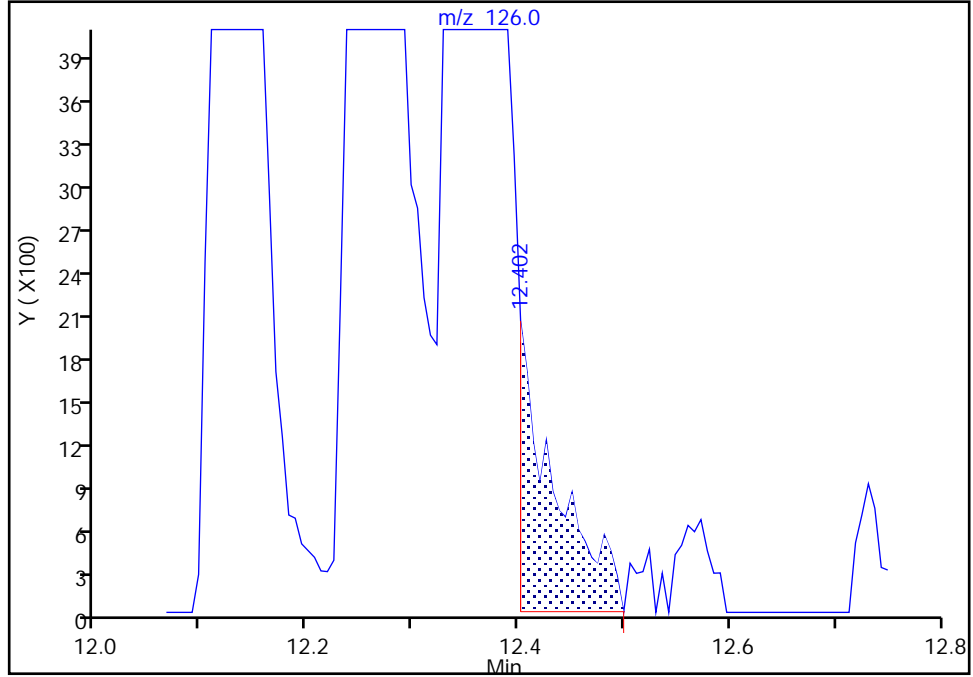
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

128 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

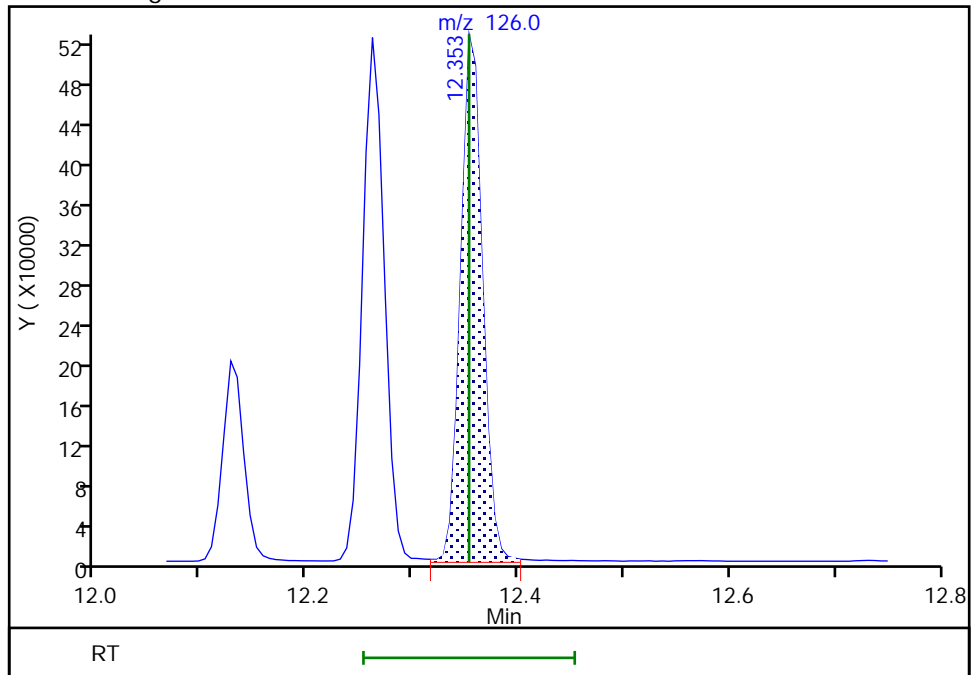
RT: 12.40
Area: 4753
Amount: 0.088167
Amount Units: ug/l

Processing Integration Results



RT: 12.35
Area: 763897
Amount: 10.136216
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:40:51 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

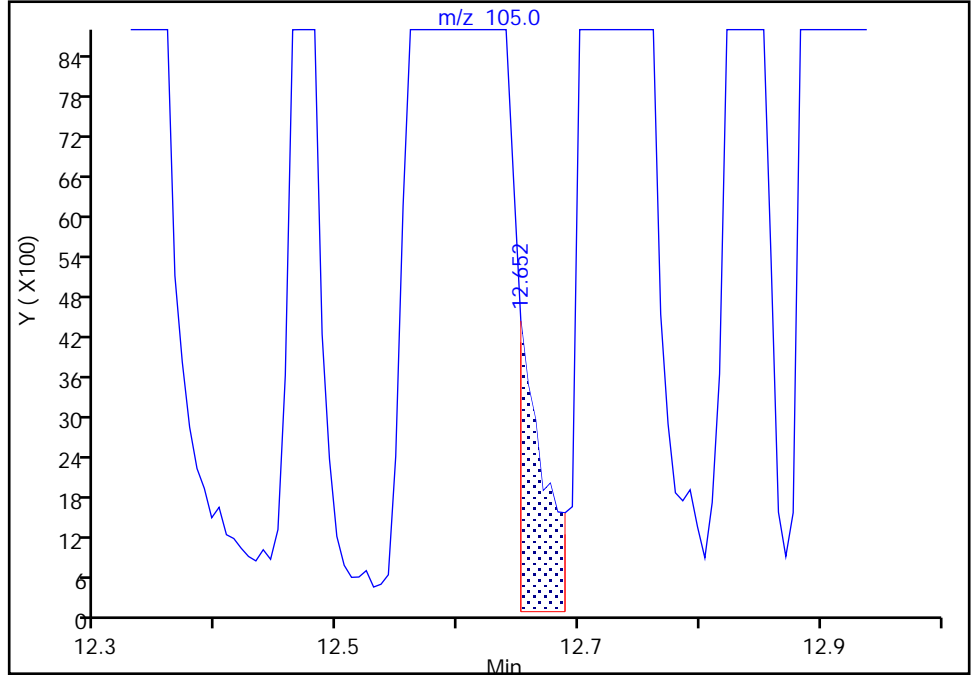
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

131 1,2,4-Trimethylbenzene, CAS: 95-63-6

Signal: 1

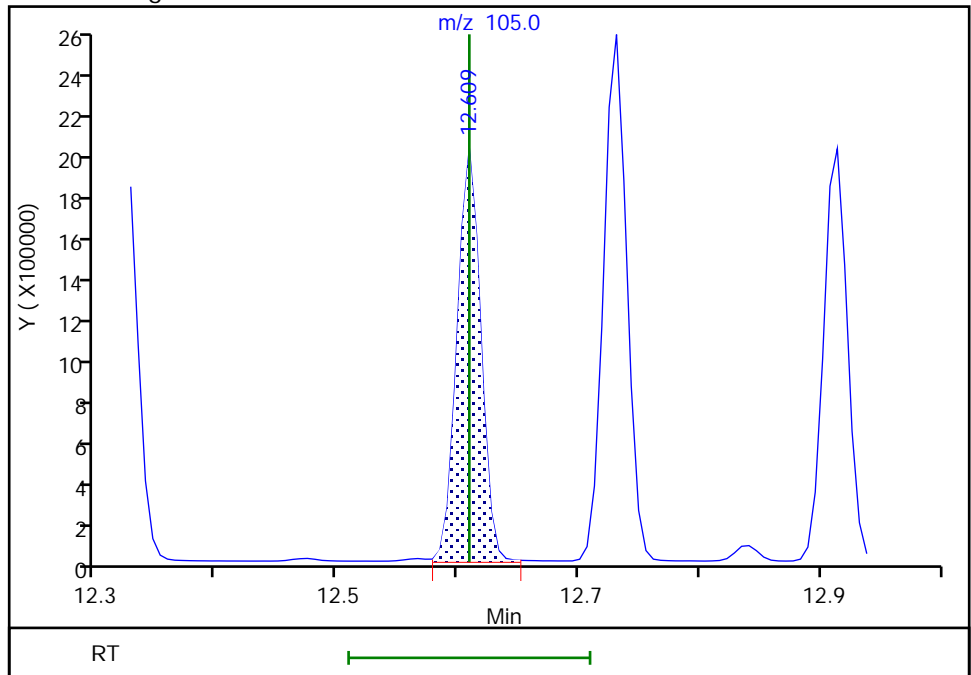
RT: 12.65
Area: 6384
Amount: 0.034086
Amount Units: ug/l

Processing Integration Results



RT: 12.61
Area: 2718845
Amount: 10.317099
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:41:12 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

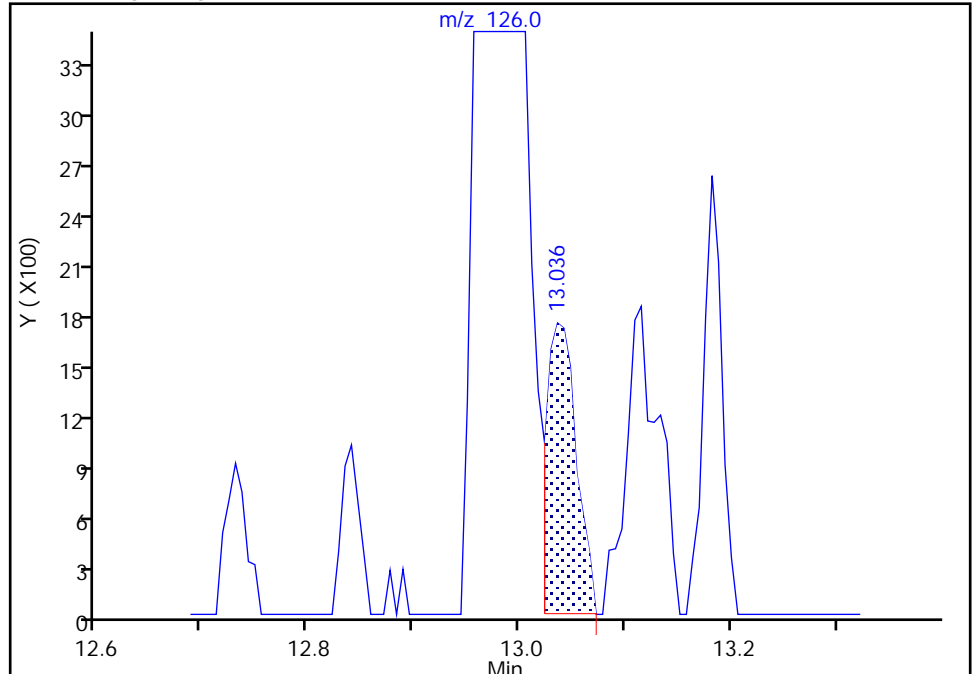
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X17.D
Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

138 Benzyl chloride, CAS: 100-44-7

Signal: 1

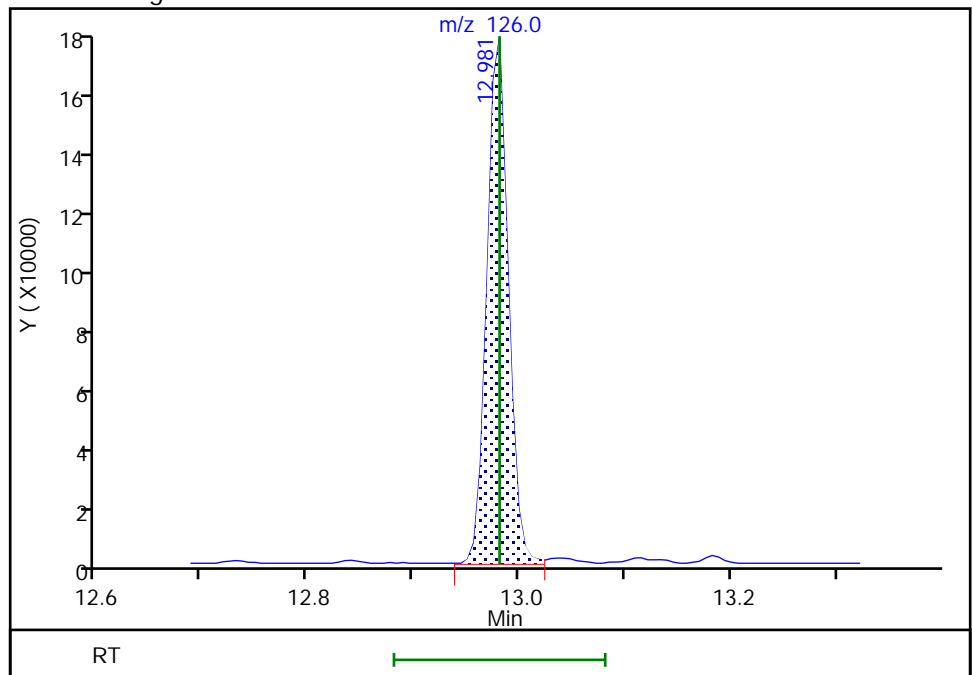
RT: 13.04
Area: 3377
Amount: 0.271077
Amount Units: ug/l

Processing Integration Results



RT: 12.98
Area: 244410
Amount: 10.804047
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:41:22 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

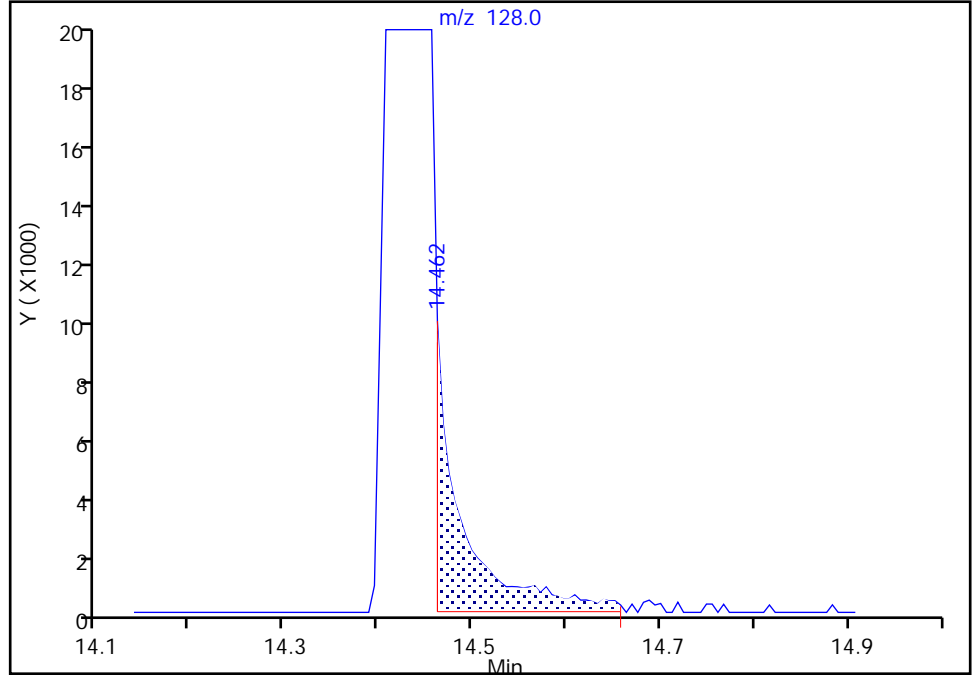
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Injection Date: 19-Jun-2023 20:03:30 Instrument ID: 19930
Lims ID: ICIS std6 LG
Client ID:
Operator ID: KNK41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

146 Naphthalene, CAS: 91-20-3

Signal: 1

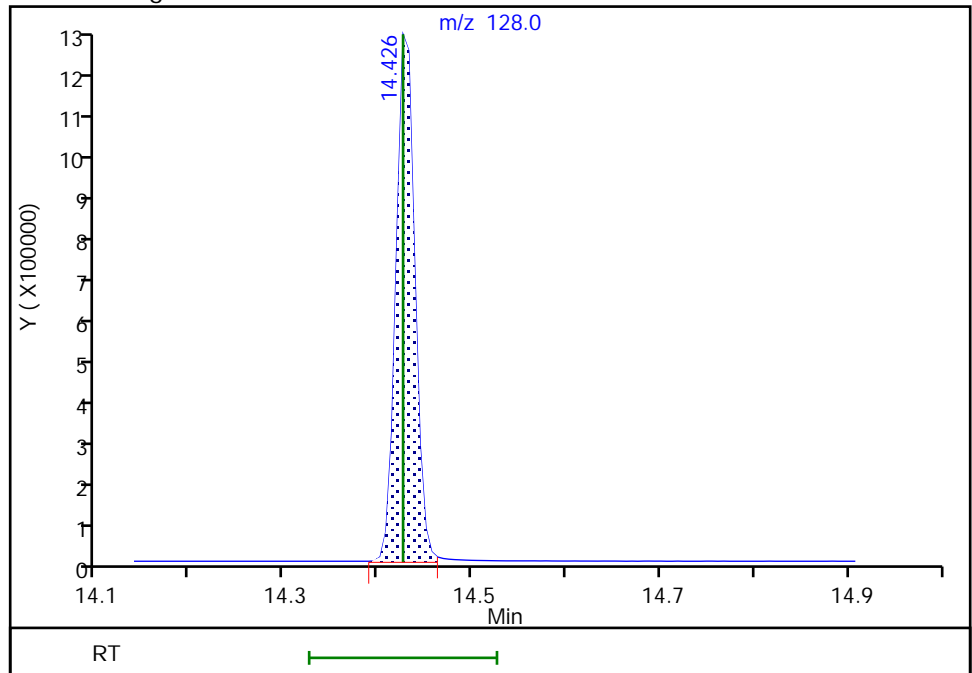
RT: 14.46
Area: 19147
Amount: 0.166073
Amount Units: ug/l

Processing Integration Results



RT: 14.43
Area: 1695646
Amount: 10.383120
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 07:41:30 -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\19930\20230619-86929.b\IU19X18.D
 Lims ID: IC std7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 19-Jun-2023 20:25:30 ALS Bottle#: 18 Worklist Smp#: 19
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086929-019
 Misc. Info.: LG 25.0
 Operator ID: KNK41612 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub2

Method: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Jun-2023 12:30:46 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1687

First Level Reviewer: DVW2

Date: 21-Jun-2023 07:44:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.855	1.855	0.000	99	1664427	25.0	22.0	
4 Chloromethane	50	2.044	2.050	-0.006	99	1751882	25.0	22.8	
5 Vinyl chloride	62	2.148	2.160	-0.012	98	1731717	25.0	23.5	
6 Butadiene	39	2.154	2.160	-0.006	90	1556945	25.0	20.2	M
7 Bromomethane	94	2.459	2.465	-0.006	90	1304970	25.0	22.7	
8 Chloroethane	64	2.532	2.538	-0.006	99	1001229	25.0	22.7	
9 Dichlorofluoromethane	67	2.757	2.764	-0.007	97	2721094	25.0	22.1	
10 Trichlorofluoromethane	101	2.818	2.824	-0.006	98	2175547	25.0	23.2	
11 Ethyl ether	59	3.038	3.050	-0.012	89	946563	25.0	24.5	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.129	3.142	-0.013	91	1511147	25.0	22.6	
14 Acrolein	56	3.196	3.209	-0.013	98	7153643	1250.0	1224.8	
15 1,1-Dichloroethene	96	3.330	3.337	-0.007	97	1241308	25.0	24.5	
16 Acetone	43	3.355	3.361	-0.006	100	1362907	250.0	211.3	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.379	3.385	-0.006	90	1362883	25.0	25.3	
18 Iodomethane	142	3.519	3.526	-0.007	98	2625621	25.0	24.6	
19 Ethyl bromide	108	3.544	3.550	-0.006	98	1087944	25.0	24.5	
20 Carbon disulfide	76	3.617	3.629	-0.012	99	3467769	25.0	25.2	
23 Methyl acetate	43	3.751	3.757	-0.006	96	407475	25.0	25.6	M
24 3-Chloro-1-propene	41	3.775	3.782	-0.007	91	1915265	25.0	24.3	
25 Methylene Chloride	84	3.952	3.958	-0.006	89	1292711	25.0	24.1	
* 26 t-Butyl alcohol-d10 (IS)	65	3.977	3.977	0.000	95	134884	50.0	50.0	M
27 2-Methyl-2-propanol	59	4.099	4.093	0.006	99	1110969	500.0	432.9	
28 Acrylonitrile	53	4.269	4.282	-0.013	100	527652	62.5	67.3	
29 Methyl tert-butyl ether	73	4.342	4.342	0.000	94	3409123	25.0	24.5	
30 trans-1,2-Dichloroethene	96	4.342	4.355	-0.013	98	1385244	25.0	24.5	
31 Hexane	57	4.769	4.781	-0.012	91	1840079	25.0	24.9	
32 1,1-Dichloroethane	63	5.007	5.013	-0.006	96	2413824	25.0	25.0	
35 Isopropyl ether	45	5.068	5.074	-0.006	93	3889612	25.0	24.5	
36 2-Chloro-1,3-butadiene	53	5.117	5.123	-0.006	90	2022645	25.0	25.0	
37 Tert-butyl ethyl ether	59	5.617	5.623	-0.006	96	3706375	25.0	24.4	

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	5.806	5.812	-0.006	99	2912203	250.0	234.3	
39 cis-1,2-Dichloroethene	96	5.848	5.854	-0.006	80	1543889	25.0	24.6	
40 2,2-Dichloropropane	77	5.860	5.867	-0.007	86	2153694	25.0	24.7	
43 Propionitrile	54	5.891	5.891	0.000	99	1642296	500.0	499.5	
45 Methacrylonitrile	67	6.110	6.110	0.000	91	3198256	250.0	246.5	
S 41 1,2-Dichloroethene, Total	100				0			49.1	
46 Chlorobromomethane	128	6.184	6.190	-0.006	86	693916	25.0	24.3	
47 Tetrahydrofuran	71	6.196	6.196	0.000	77	469929	125.0	114.9	
48 Chloroform	83	6.336	6.342	-0.006	93	2439280	25.0	24.4	
\$ 49 Dibromofluoromethane (Surr)	113	6.549	6.555	-0.006	95	482075	10.0	9.92	
50 1,1,1-Trichloroethane	97	6.562	6.568	-0.006	98	2318413	25.0	24.9	
51 Cyclohexane	56	6.665	6.671	-0.006	88	2230992	25.0	25.2	
54 Carbon tetrachloride	117	6.775	6.781	-0.006	95	2152417	25.0	25.9	
53 1,1-Dichloropropene	75	6.775	6.781	-0.006	95	1881849	25.0	25.3	
55 Isobutyl alcohol	41	6.933	6.940	-0.007	95	965364	1250.0	1058.9	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.007	7.013	-0.006	78	92867	10.0	9.64	
57 Benzene	78	7.043	7.043	0.000	95	5552169	25.0	24.9	
58 1,2-Dichloroethane	62	7.110	7.116	-0.006	98	1462742	25.0	24.2	
60 Tert-amyl methyl ether	73	7.244	7.244	0.000	98	3439411	25.0	24.5	
* 61 Fluorobenzene (IS)	96	7.452	7.452	0.000	96	1891215	10.0	10.0	
62 n-Heptane	43	7.470	7.470	0.000	89	1798135	25.0	25.3	
63 n-Butanol	56	7.830	7.836	-0.006	86	1598692	2187.5	2282.9	
64 Trichloroethene	95	7.933	7.933	0.000	96	1562411	25.0	25.1	
65 Methylcyclohexane	83	8.244	8.244	0.000	91	2562276	25.0	25.5	
66 1,2-Dichloropropane	63	8.262	8.269	-0.007	97	1384198	25.0	25.1	
67 Methyl methacrylate	69	8.354	8.354	0.000	87	695290	25.0	27.2	
68 1,4-Dioxane	88	8.366	8.366	0.000	29	191965	1250.0	1290.7	M
69 Dibromomethane	93	8.378	8.378	0.000	91	678044	25.0	24.5	
71 Dichlorobromomethane	83	8.616	8.616	0.000	99	1814784	25.0	25.3	
72 2-Nitropropane	41	8.884	8.884	0.000	98	979651	125.0	117.2	
75 1-Bromo-2-chloroethane	63	9.012	9.012	0.000	98	1391897	25.0	24.7	
76 cis-1,3-Dichloropropene	75	9.177	9.177	0.000	97	2232649	25.0	25.9	
77 4-Methyl-2-pentanone (MIBK)	43	9.360	9.360	0.000	95	8166235	250.0	244.8	
\$ 78 Toluene-d8 (Surr)	98	9.500	9.500	0.000	93	1923611	10.0	9.92	
79 Toluene	92	9.573	9.579	-0.006	99	3812060	25.0	24.9	
97 trans-1,3-Dichloropropene	75	9.847	9.848	-0.001	91	1881067	25.0	26.0	
99 Ethyl methacrylate	69	9.915	9.915	0.000	88	1490629	25.0	25.0	
100 1,1,2-Trichloroethane	97	10.055	10.055	0.000	90	1028167	25.0	23.8	
S 98 1,3-Dichloropropene, Total	100				0			52.0	
101 Tetrachloroethene	166	10.146	10.146	0.000	98	2002051	25.0	25.1	
102 1,3-Dichloropropane	76	10.219	10.219	0.000	89	1673377	25.0	24.5	
103 2-Hexanone	43	10.274	10.274	0.000	95	5838914	250.0	247.4	
105 Chlorodibromomethane	129	10.439	10.439	0.000	89	1452583	25.0	25.8	
106 Ethylene Dibromide	107	10.549	10.549	0.000	99	1012515	25.0	24.9	
* 107 Chlorobenzene-d5 (IS)	117	10.987	10.988	-0.001	84	1508853	10.0	10.0	
108 1-Chlorohexane	91	11.000	11.000	0.000	95	2153392	25.0	24.2	a
109 Chlorobenzene	112	11.018	11.018	0.000	97	4440532	25.0	24.8	
111 1,1,1,2-Tetrachloroethane	131	11.097	11.097	0.000	96	1601843	25.0	25.1	
112 Ethylbenzene	91	11.103	11.103	0.000	98	7384442	25.0	24.8	a
113 m-Xylene & p-Xylene	106	11.219	11.219	0.000	93	6014911	50.0	49.9	
S 110 Xylenes, Total	106				0			74.7	
114 o-Xylene	106	11.554	11.554	0.000	96	2958784	25.0	24.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
115 Styrene	104	11.567	11.567	0.000	95	4890581	25.0	25.5	
116 Bromoform	173	11.725	11.725	0.000	99	975567	25.0	26.8	
117 Isopropylbenzene	105	11.853	11.859	-0.006	95	7684471	25.0	24.9	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.999	12.000	-0.001	96	725457	10.0	9.92	
121 1,1,2,2-Tetrachloroethane	83	12.103	12.103	0.000	93	1308898	25.0	24.0	
122 Bromobenzene	156	12.115	12.115	0.000	95	1971522	25.0	25.0	
123 trans-1,4-Dichloro-2-butene	53	12.128	12.128	0.000	90	3165888	250.0	252.0	
124 1,2,3-Trichloropropane	110	12.146	12.146	0.000	79	365750	25.0	23.9	
125 N-Propylbenzene	91	12.188	12.189	-0.001	98	8784621	25.0	25.1	
126 2-Chlorotoluene	126	12.262	12.262	0.000	98	1917179	25.0	25.1	a
127 1,3,5-Trimethylbenzene	105	12.323	12.323	0.000	94	6676624	25.0	25.1	
128 4-Chlorotoluene	126	12.353	12.353	0.000	95	1951600	25.0	25.0	a
129 tert-Butylbenzene	134	12.566	12.566	0.000	92	1627291	25.0	25.4	
130 Pentachloroethane	167	12.597	12.597	0.000	91	1326828	25.0	26.8	
131 1,2,4-Trimethylbenzene	105	12.609	12.609	0.000	97	6868217	25.0	25.1	
132 sec-Butylbenzene	105	12.731	12.731	0.000	94	8486591	25.0	25.1	
133 1,3-Dichlorobenzene	146	12.829	12.829	0.000	99	3937722	25.0	25.5	
134 4-Isopropyltoluene	119	12.841	12.841	0.000	96	7679357	25.0	25.4	
* 135 1,4-Dichlorobenzene-d4	152	12.883	12.884	-0.001	92	917393	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.902	12.902	0.000	95	3772911	25.0	24.8	
137 1,2,3-Trimethylbenzene	120	12.914	12.914	0.000	98	3097874	25.0	25.1	
138 Benzyl chloride	126	12.981	12.981	0.000	98	627829	25.0	26.8	
139 n-Butylbenzene	92	13.133	13.133	0.000	97	3646359	25.0	27.0	
140 1,2-Dichlorobenzene	146	13.158	13.158	0.000	99	3615183	25.0	25.0	
142 1,2-Dibromo-3-Chloropropane	155	13.700	13.700	0.000	92	237783	25.0	26.6	
143 1,3,5-Trichlorobenzene	180	13.828	13.828	0.000	98	3136365	25.0	27.1	
144 1,2,4-Trichlorobenzene	180	14.249	14.249	0.000	94	2595192	25.0	27.9	
145 Hexachlorobutadiene	225	14.334	14.334	0.000	95	1241765	25.0	27.4	
146 Naphthalene	128	14.426	14.426	0.000	97	4430802	25.0	26.2	
147 1,2,3-Trichlorobenzene	180	14.572	14.572	0.000	96	2127625	25.0	27.3	
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_00081	Amount Added: 25.00	Units: uL	
MSV_LL_#2_826_00093	Amount Added: 25.00	Units: uL	
MSV_LL_GAS826_00156	Amount Added: 25.00	Units: uL	
MSV_LLcentISS_00007	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D

Injection Date: 19-Jun-2023 20:25:30

Instrument ID: 19930

Operator ID: KNK41612

Lims ID: IC std7

Worklist Smp#: 19

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

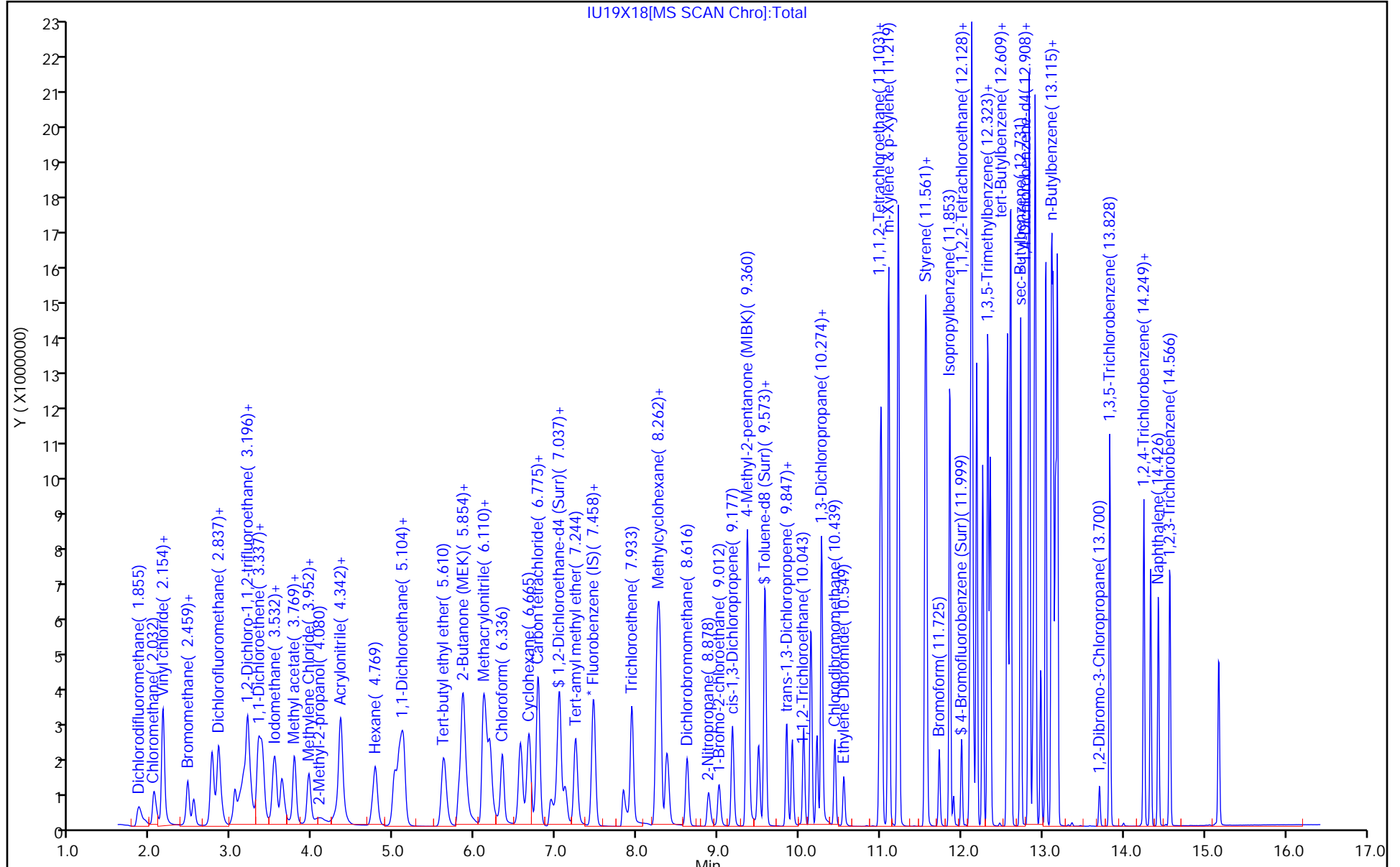
ALS Bottle#: 18

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



Eurofins Lancaster Laboratories Environment Testing, LLC

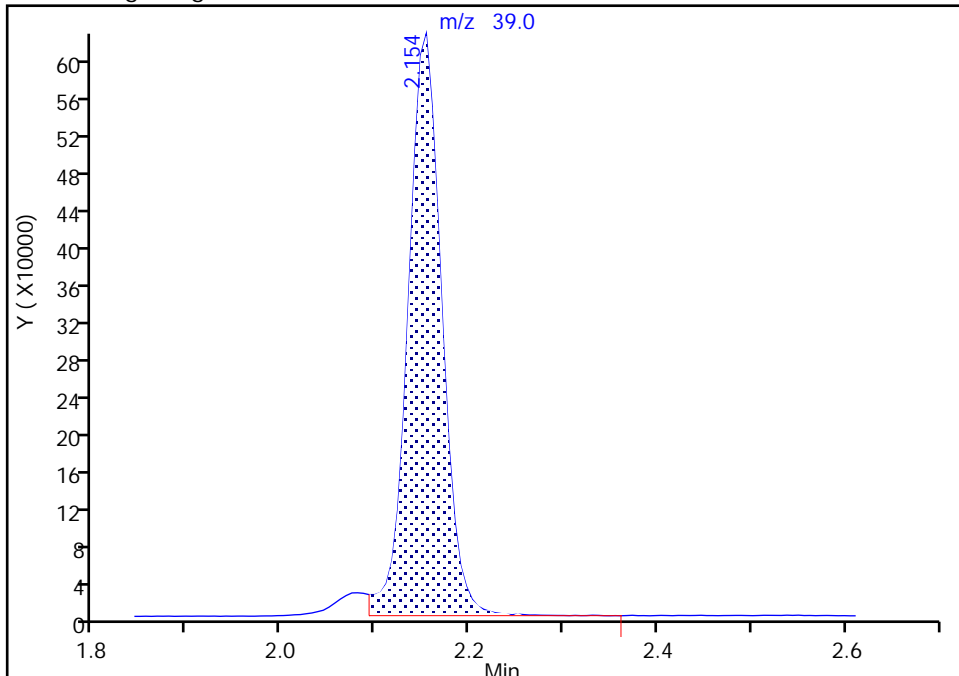
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Injection Date: 19-Jun-2023 20:25:30 Instrument ID: 19930
Lims ID: IC std7
Client ID:
Operator ID: KNK41612 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

6 Butadiene, CAS: 106-99-0

Signal: 1

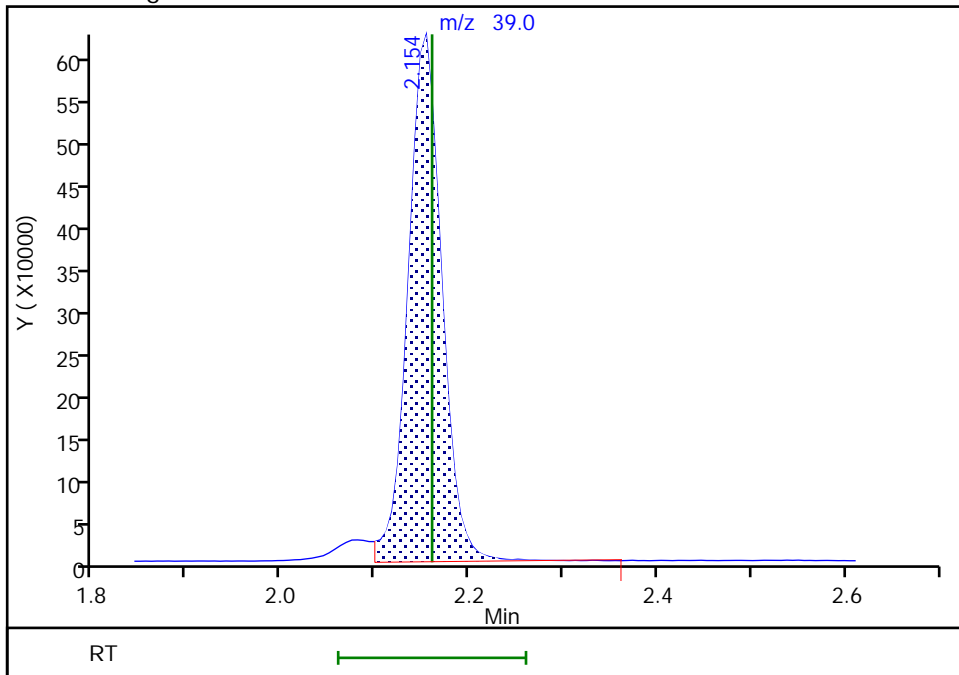
RT: 2.15
Area: 1565423
Amount: 20.311812
Amount Units: ug/l

Processing Integration Results



RT: 2.15
Area: 1556945
Amount: 20.214514
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:08:46 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

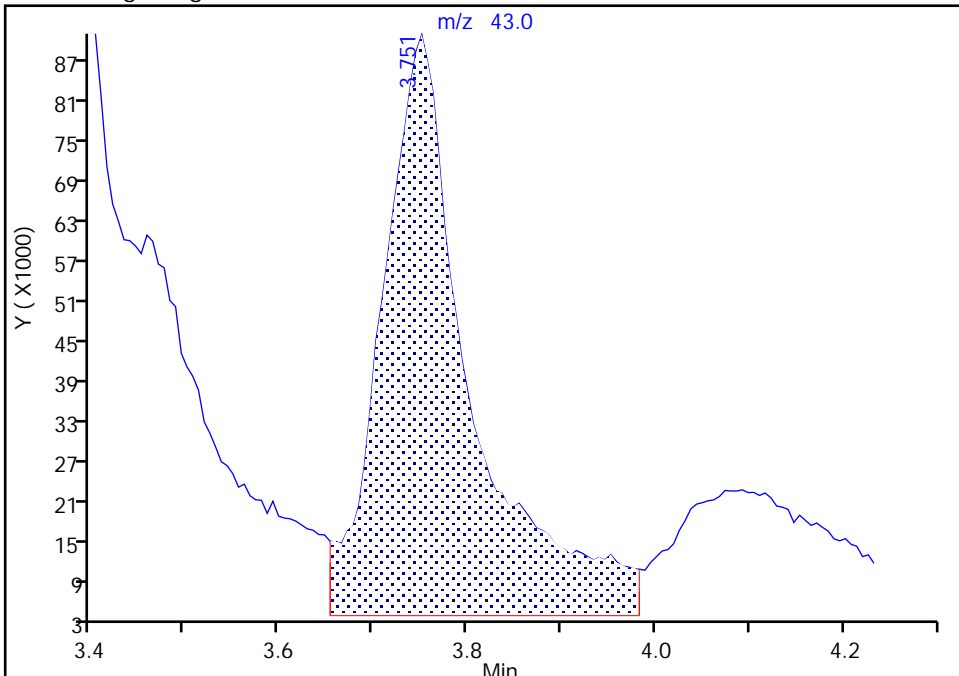
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Injection Date: 19-Jun-2023 20:25:30 Instrument ID: 19930
Lims ID: IC std7
Client ID:
Operator ID: KNK41612 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

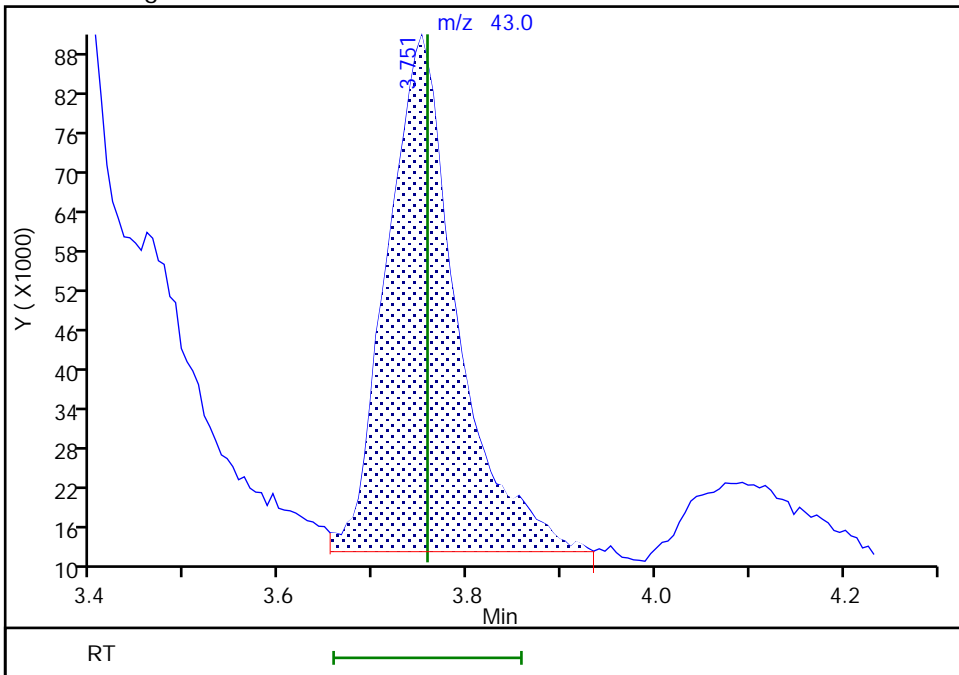
RT: 3.75
Area: 572097
Amount: 37.539030
Amount Units: ug/l

Processing Integration Results



RT: 3.75
Area: 407475
Amount: 25.592656
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:09:07 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

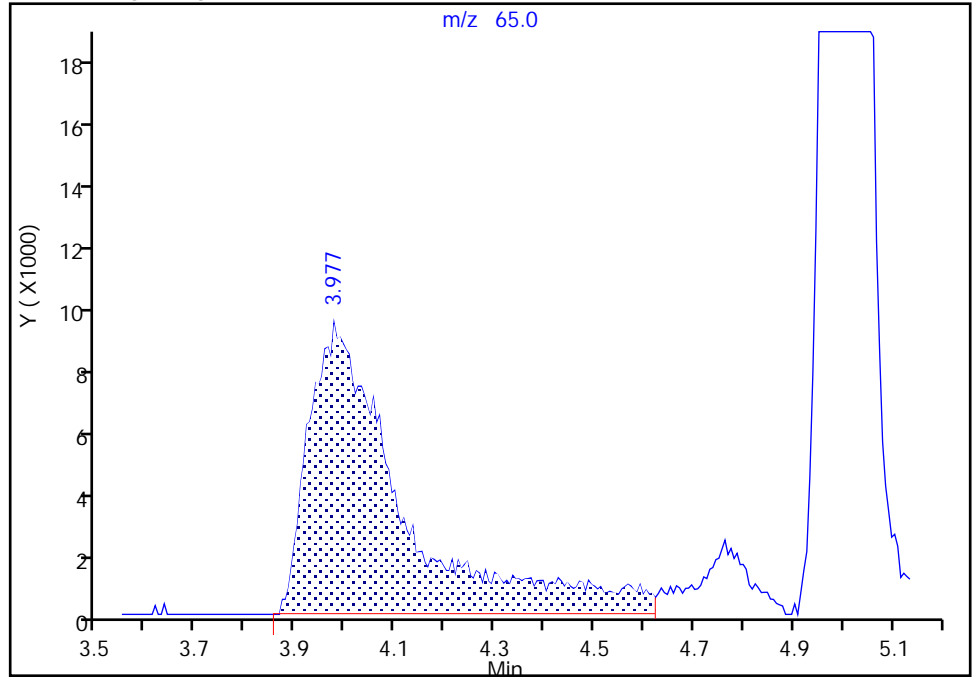
Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date: 19-Jun-2023 20:25:30 Instrument ID: 19930
Lims ID: IC std7
Client ID:
Operator ID: KNK41612 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

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2
Signal: 1

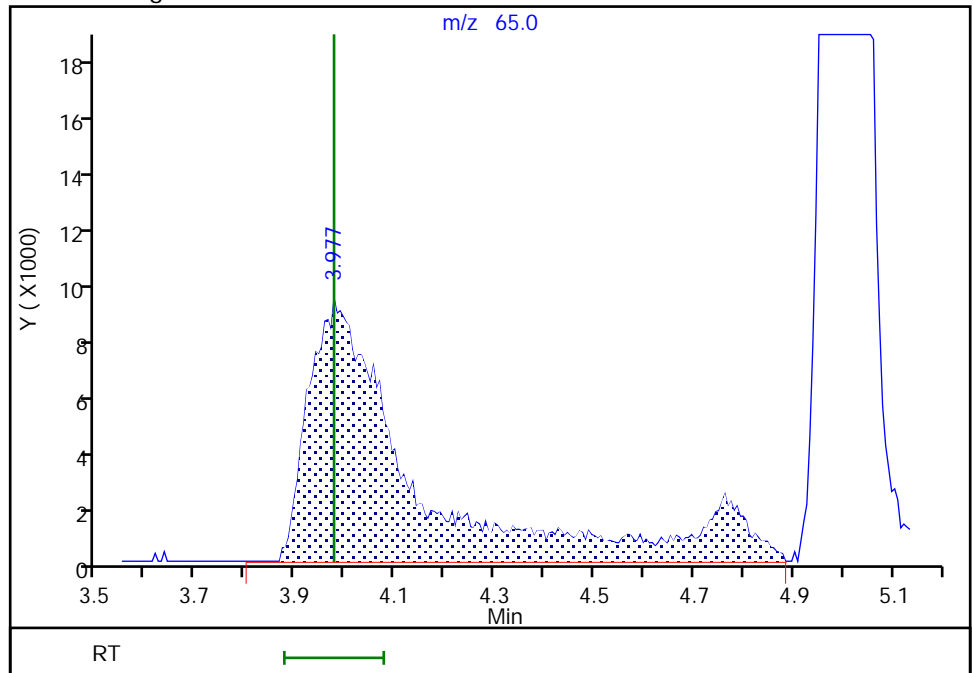
RT: 3.98
Area: 118787
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 3.98
Area: 134884
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:09:14 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

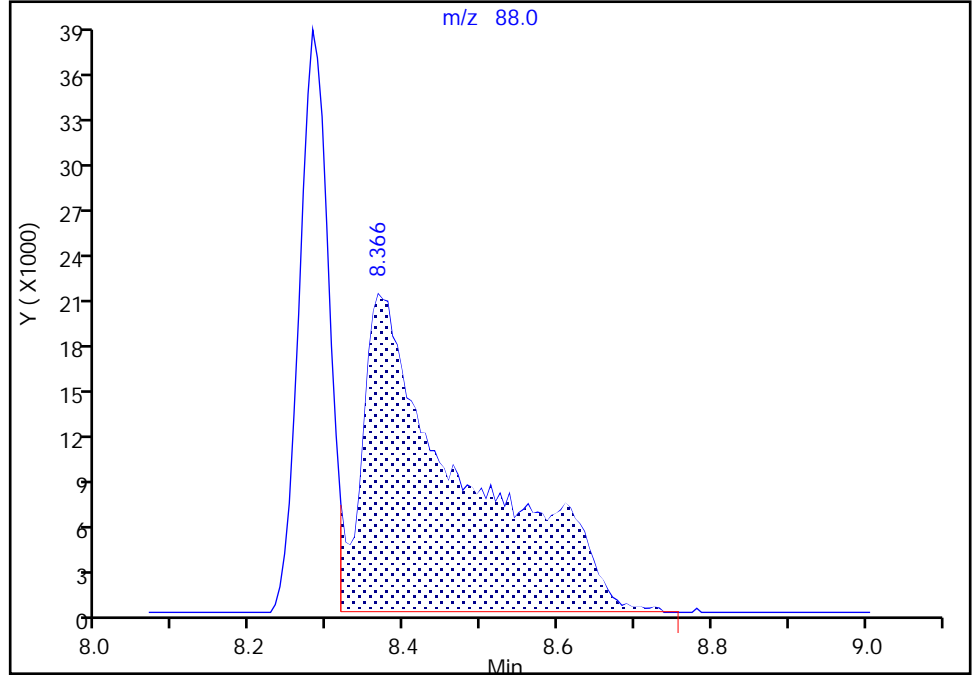
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Injection Date: 19-Jun-2023 20:25:30 Instrument ID: 19930
Lims ID: IC std7
Client ID:
Operator ID: KNK41612 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

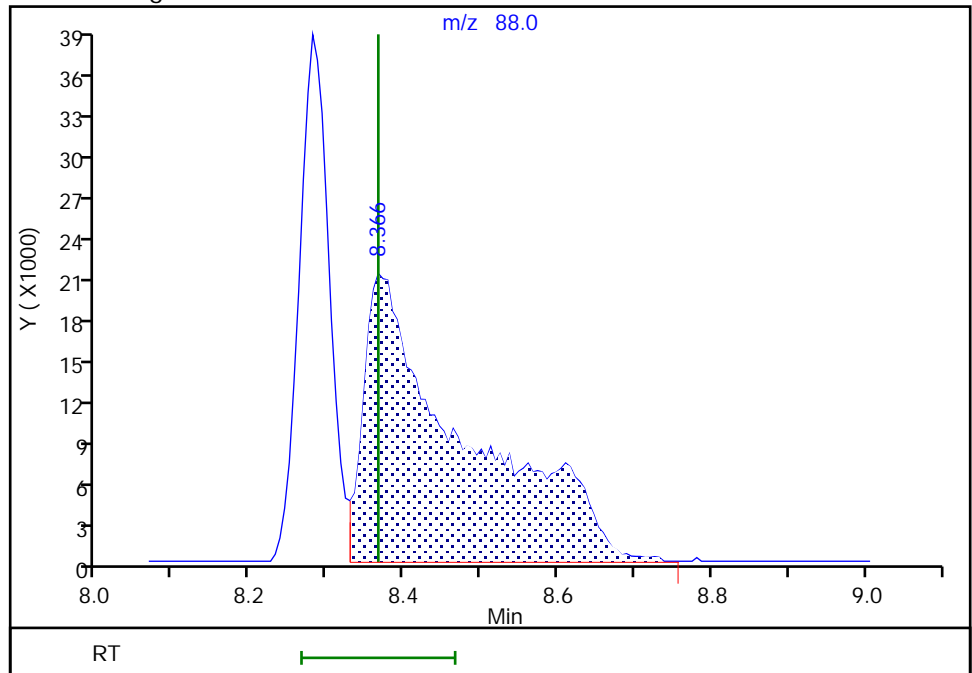
RT: 8.37
Area: 196286
Amount: 1239.8637
Amount Units: ug/l

Processing Integration Results



RT: 8.37
Area: 191965
Amount: 1290.6594
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:09:34 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

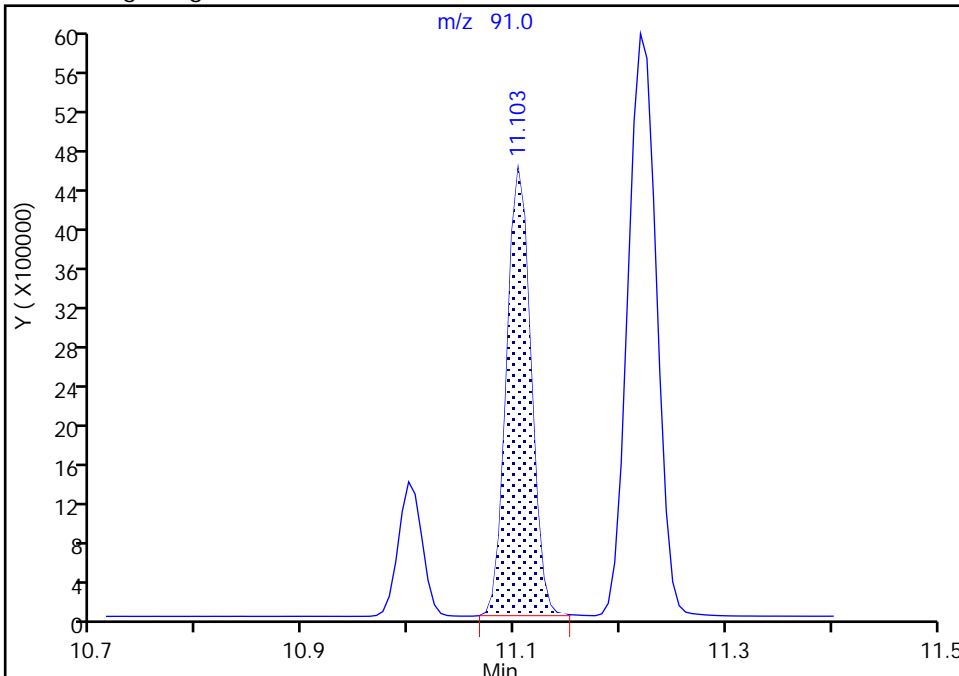
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Injection Date: 19-Jun-2023 20:25:30 Instrument ID: 19930
Lims ID: IC std7
Client ID:
Operator ID: KNK41612 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

108 1-Chlorohexane, CAS: 544-10-5

Signal: 1

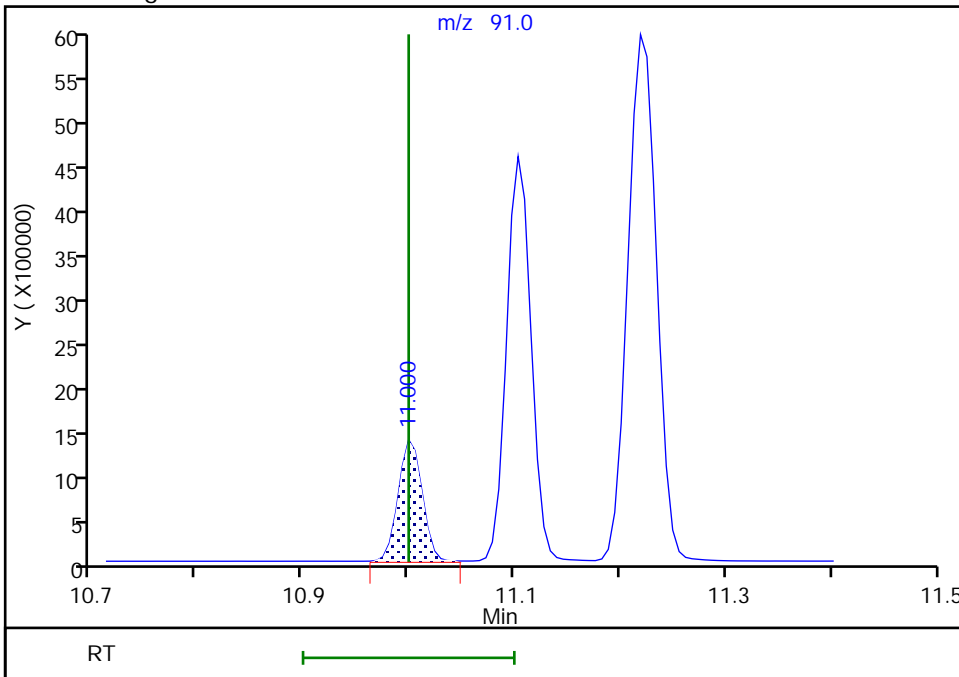
RT: 11.10
Area: 7391753
Amount: 62.122953
Amount Units: ug/l

Processing Integration Results



RT: 11.00
Area: 2153392
Amount: 24.181187
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 22-Jun-2023 07:48:40 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

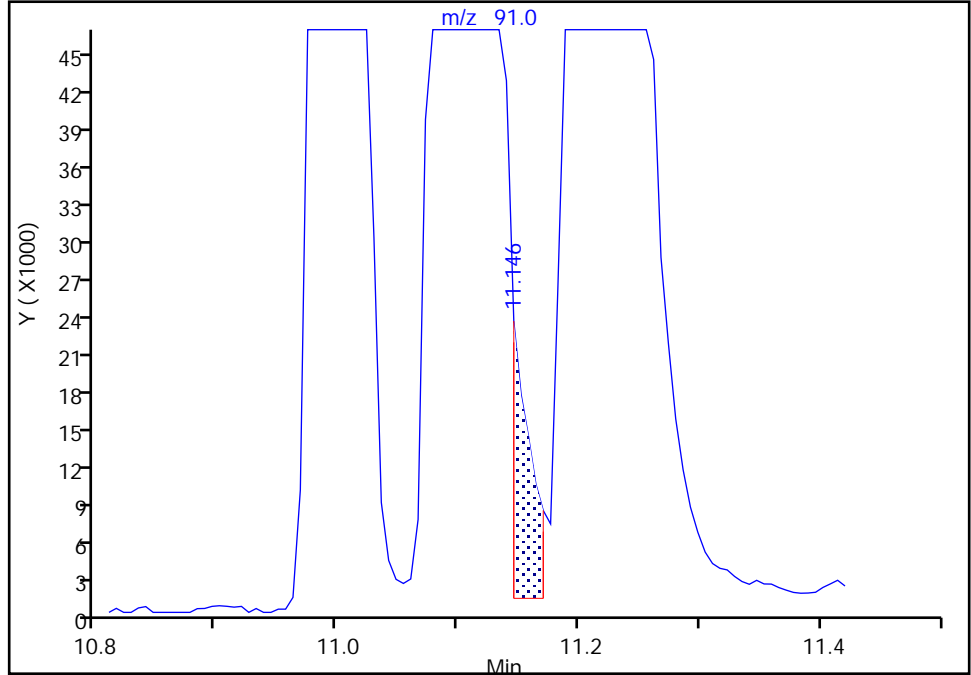
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
Injection Date: 19-Jun-2023 20:25:30 Instrument ID: 19930
Lims ID: IC std7
Client ID:
Operator ID: KNK41612 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

112 Ethylbenzene, CAS: 100-41-4

Signal: 1

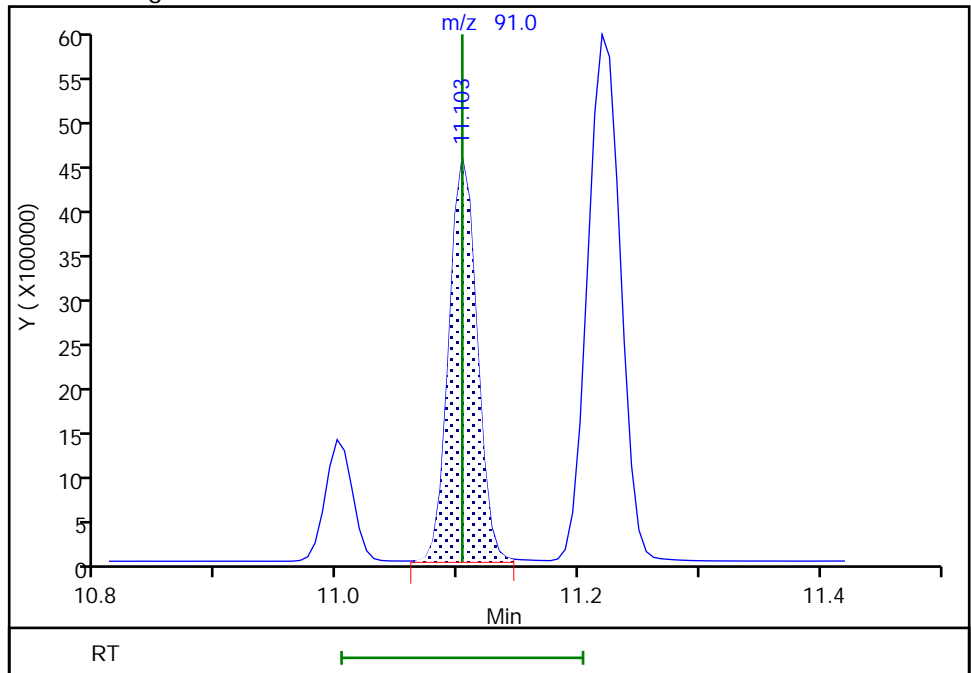
RT: 11.15
Area: 24916
Amount: 0.062513
Amount Units: ug/l

Processing Integration Results



RT: 11.10
Area: 7384442
Amount: 24.762603
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 15:39:35 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

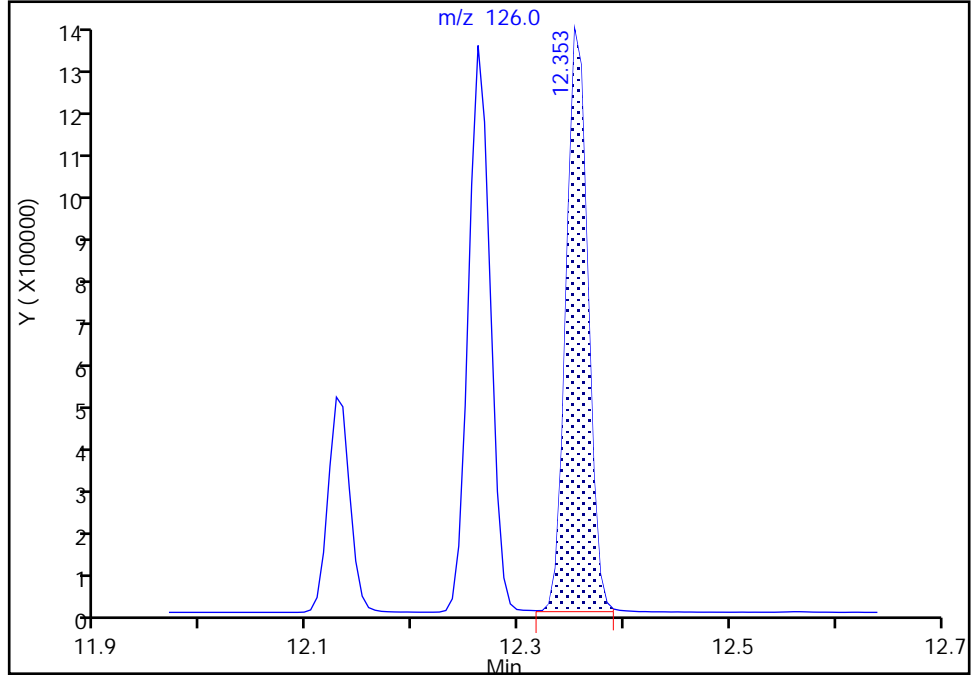
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
Injection Date: 19-Jun-2023 20:25:30 Instrument ID: 19930
Lims ID: IC std7
Client ID:
Operator ID: KNK41612 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

126 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

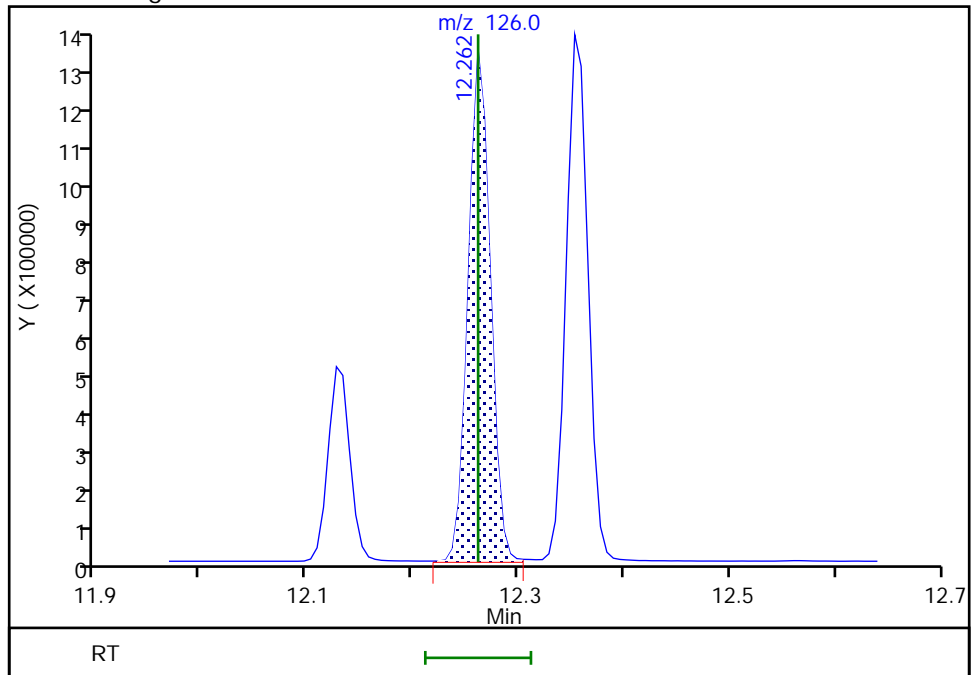
RT: 12.35
Area: 1951600
Amount: 25.516478
Amount Units: ug/l

Processing Integration Results



RT: 12.26
Area: 1917179
Amount: 25.131064
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 15:39:42 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

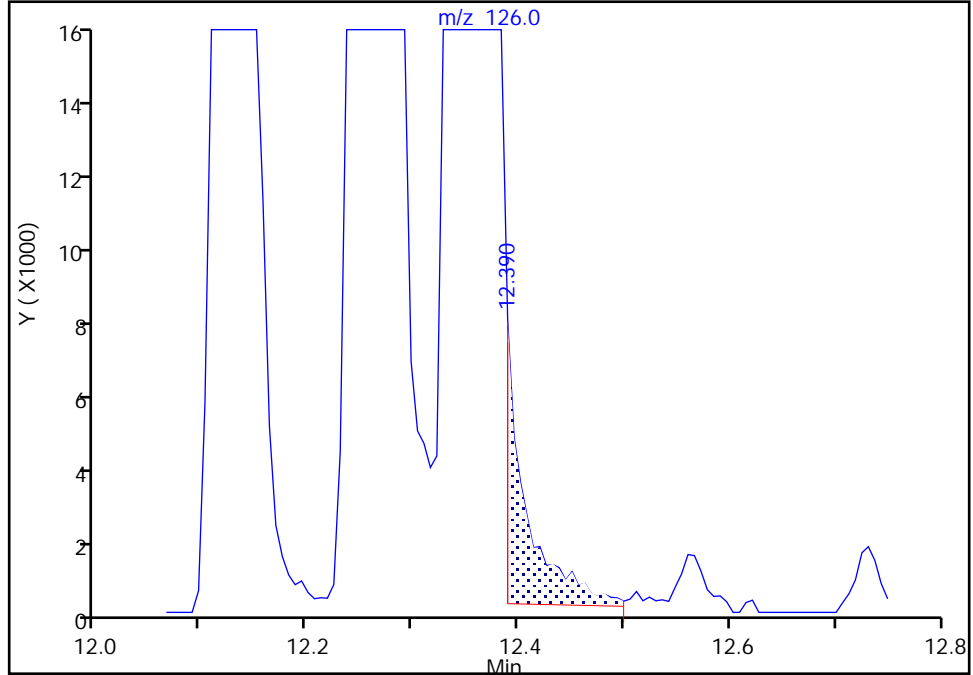
Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
Injection Date: 19-Jun-2023 20:25:30 Instrument ID: 19930
Lims ID: IC std7
Client ID:
Operator ID: KNK41612 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

128 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

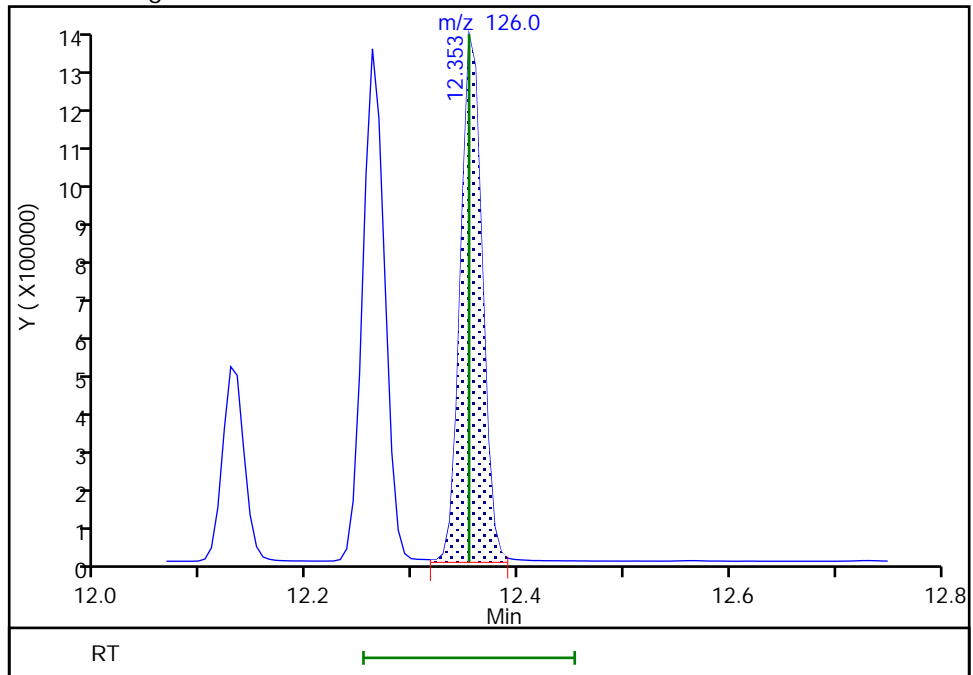
RT: 12.39
Area: 10355
Amount: 0.154390
Amount Units: ug/l

Processing Integration Results



RT: 12.35
Area: 1951600
Amount: 24.968247
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:09:57 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Calibration

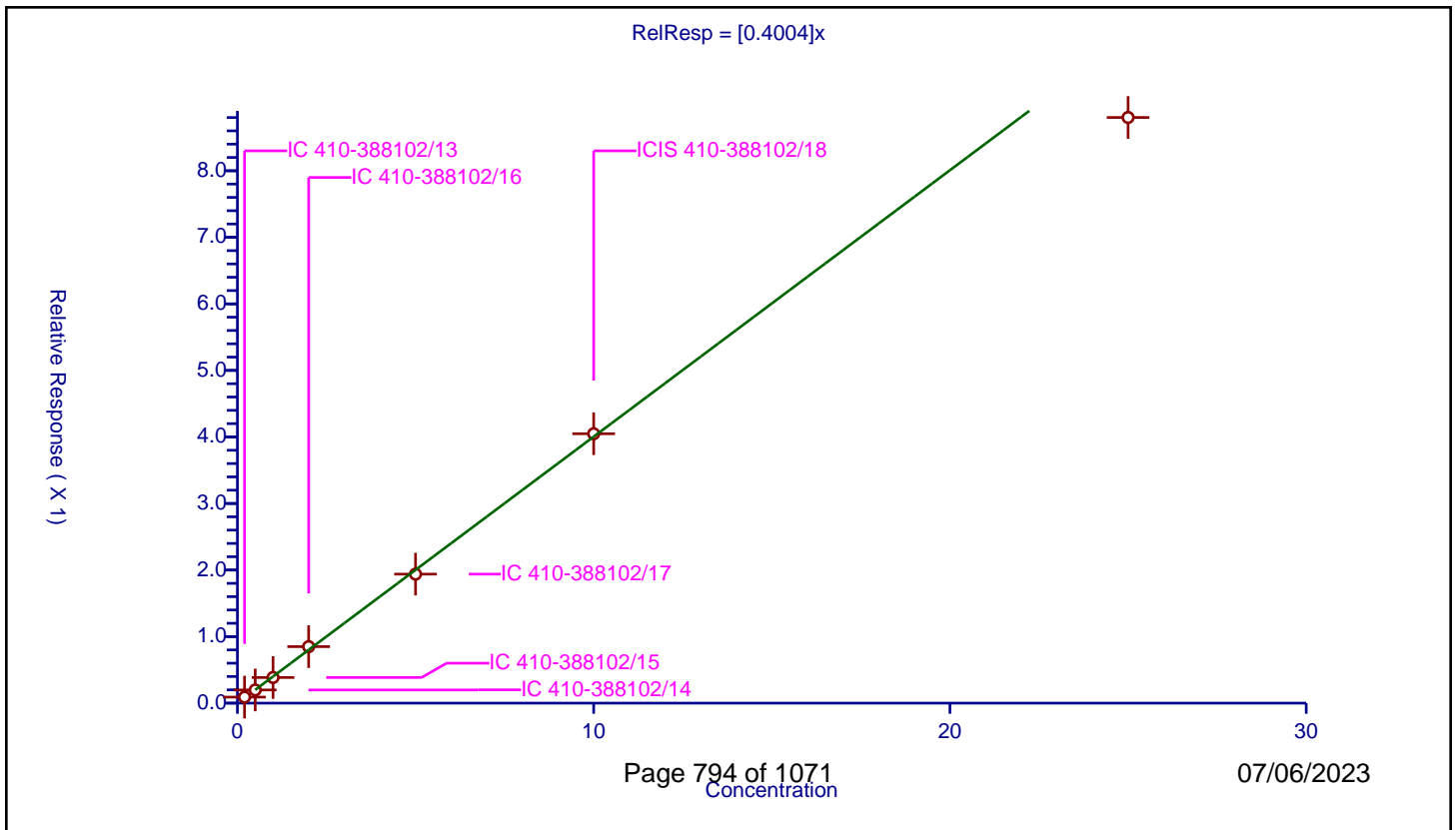
/ Dichlorodifluoromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4004

Error Coefficients	
Standard Error:	760000
Relative Standard Error:	7.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	0.2	0.090503	10.0	1795291.0	0.452517	Y
2	IC 410-388102/14	0.5	0.19797	10.0	1753956.0	0.395939	Y
3	IC 410-388102/15	1.0	0.385136	10.0	1790586.0	0.385136	Y
4	IC 410-388102/16	2.0	0.8493	10.0	1802566.0	0.42465	Y
5	IC 410-388102/17	5.0	1.938742	10.0	1860774.0	0.387748	Y
6	ICIS 410-388102/18	10.0	4.048248	10.0	1807671.0	0.404825	Y
7	IC 410-388102/19	25.0	8.800834	10.0	1891215.0	0.352033	Y



Calibration

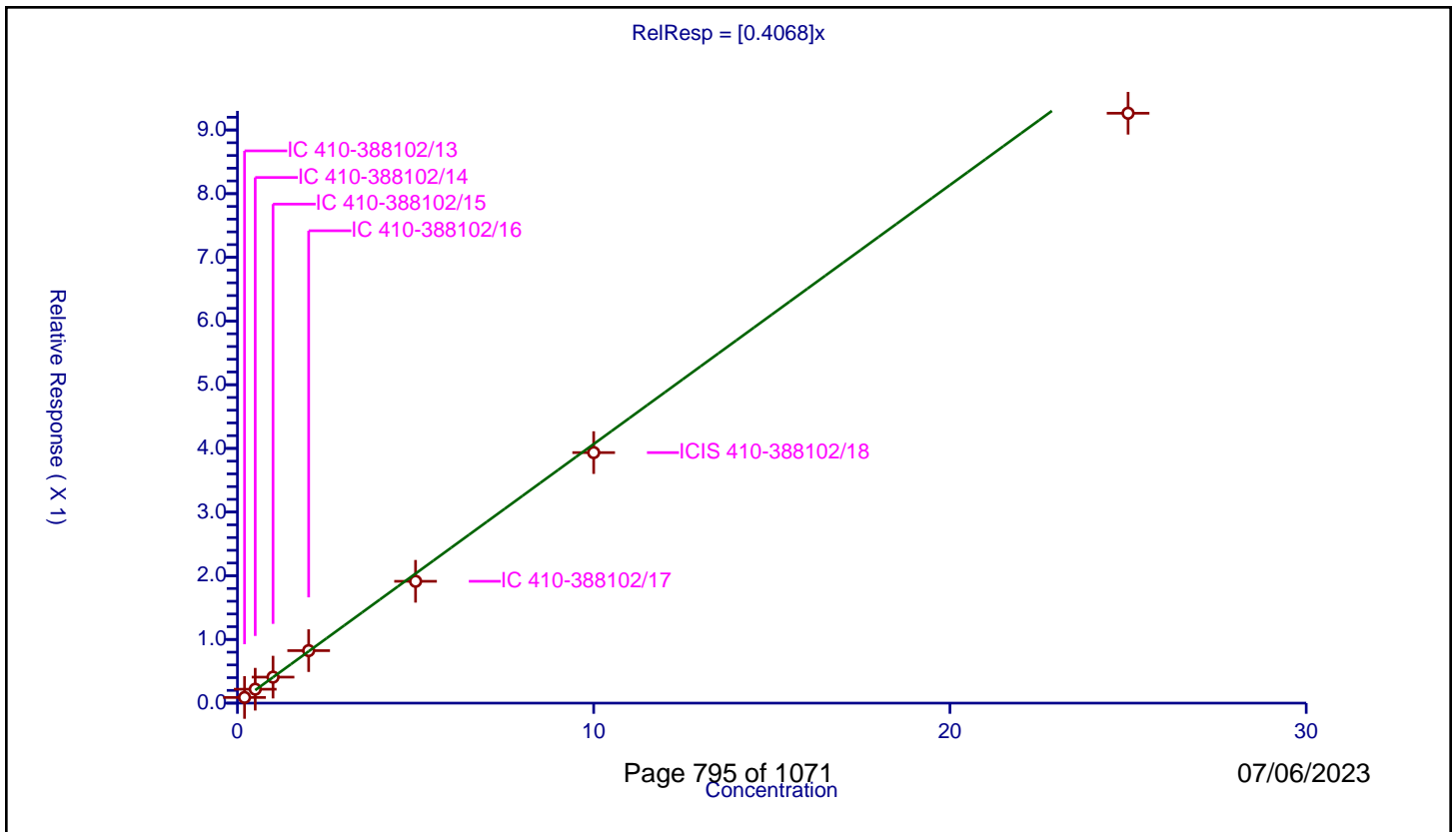
/ Chloromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4068

Error Coefficients	
Standard Error:	789000
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 410-388102/13	0.2	0.088665	10.0	1795291.0	0.443326	Y
2	IC 410-388102/14	0.5	0.218415	10.0	1753956.0	0.43683	Y
3	IC 410-388102/15	1.0	0.408492	10.0	1790586.0	0.408492	Y
4	IC 410-388102/16	2.0	0.82453	10.0	1802566.0	0.412265	Y
5	IC 410-388102/17	5.0	1.913027	10.0	1860774.0	0.382605	Y
6	ICIS 410-388102/18	10.0	3.934062	10.0	1807671.0	0.393406	Y
7	IC 410-388102/19	25.0	9.263262	10.0	1891215.0	0.37053	Y



Calibration

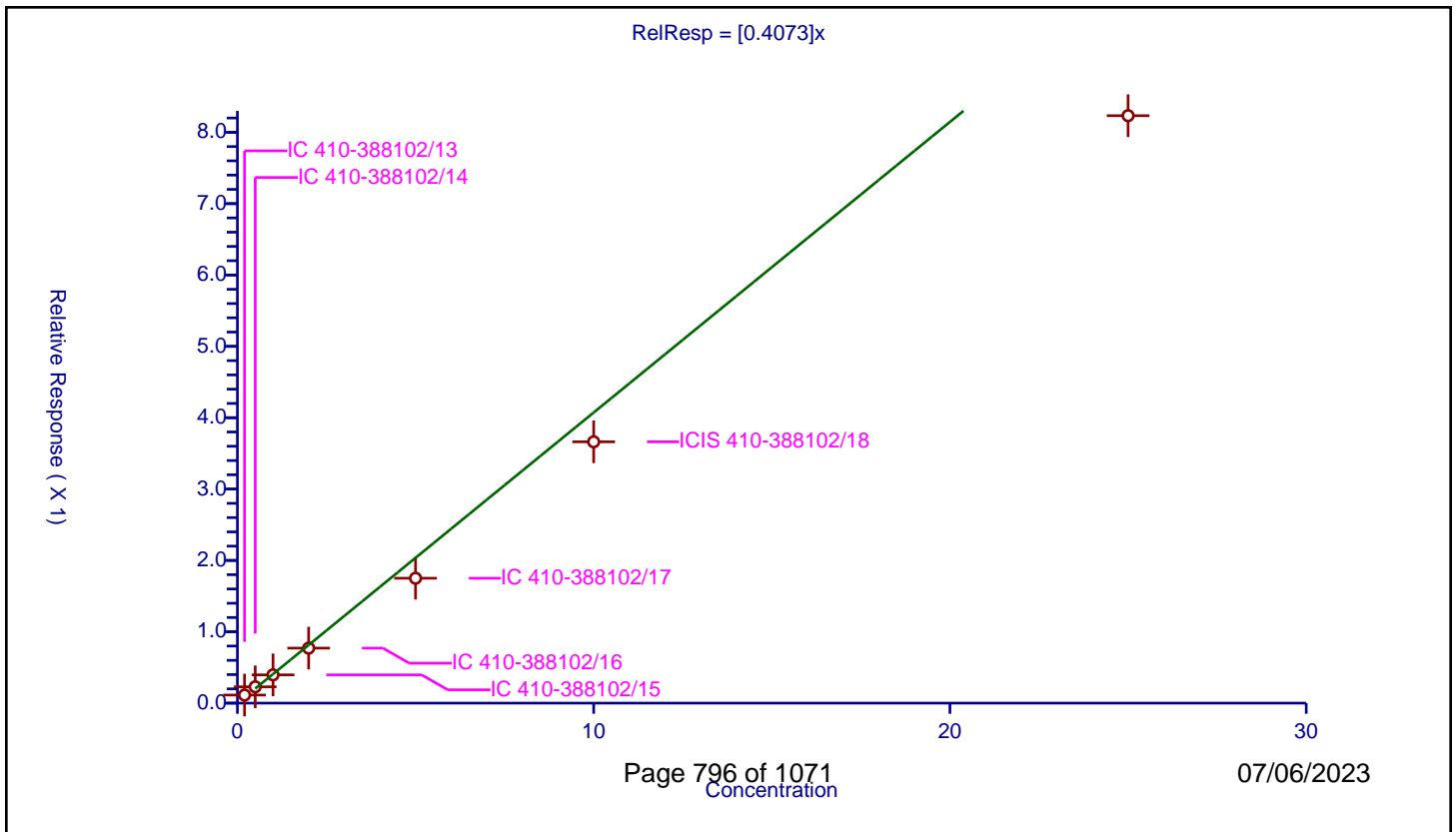
/ Butadiene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4073

Error Coefficients	
Standard Error:	706000
Relative Standard Error:	19.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.928

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	0.2	0.11328	10.0	1795291.0	0.566398	Y
2	IC 410-388102/14	0.5	0.228518	10.0	1753956.0	0.457035	Y
3	IC 410-388102/15	1.0	0.396367	10.0	1790586.0	0.396367	Y
4	IC 410-388102/16	2.0	0.77089	10.0	1802566.0	0.385445	Y
5	IC 410-388102/17	5.0	1.750245	10.0	1860774.0	0.350049	Y
6	ICIS 410-388102/18	10.0	3.662066	10.0	1807671.0	0.366207	Y
7	IC 410-388102/19	25.0	8.232512	10.0	1891215.0	0.3293	Y



Calibration

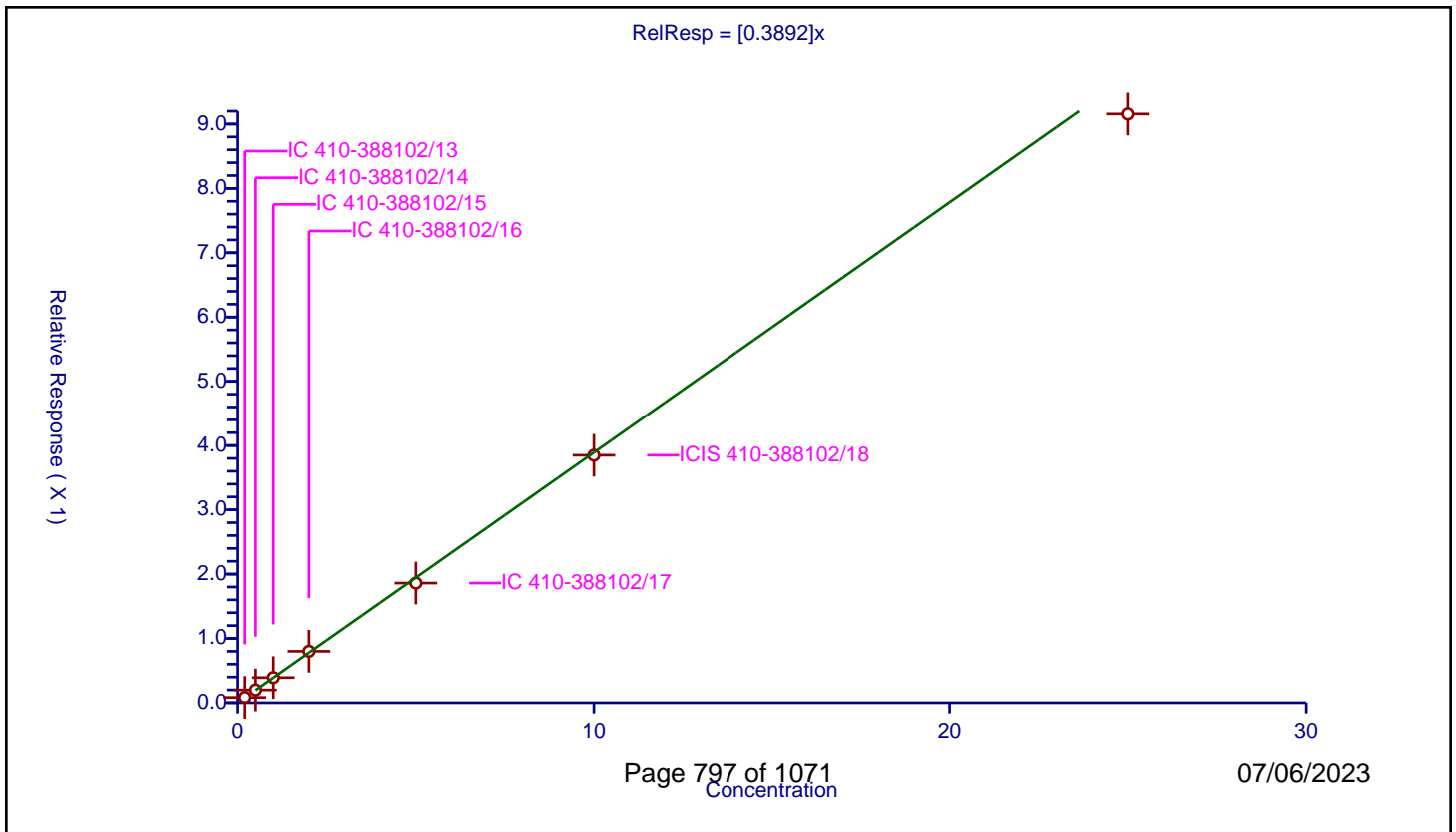
/ Vinyl chloride

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

Curve Coefficients	
Intercept:	0
Slope:	0.3892

Error Coefficients	
Standard Error:	778000
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 410-388102/13	0.2	0.08256	10.0	1795291.0	0.412802	Y
2	IC 410-388102/14	0.5	0.198597	10.0	1753956.0	0.397194	Y
3	IC 410-388102/15	1.0	0.390889	10.0	1790586.0	0.390889	Y
4	IC 410-388102/16	2.0	0.800437	10.0	1802566.0	0.400218	Y
5	IC 410-388102/17	5.0	1.860699	10.0	1860774.0	0.37214	Y
6	ICIS 410-388102/18	10.0	3.849207	10.0	1807671.0	0.384921	Y
7	IC 410-388102/19	25.0	9.156637	10.0	1891215.0	0.366265	Y



Calibration

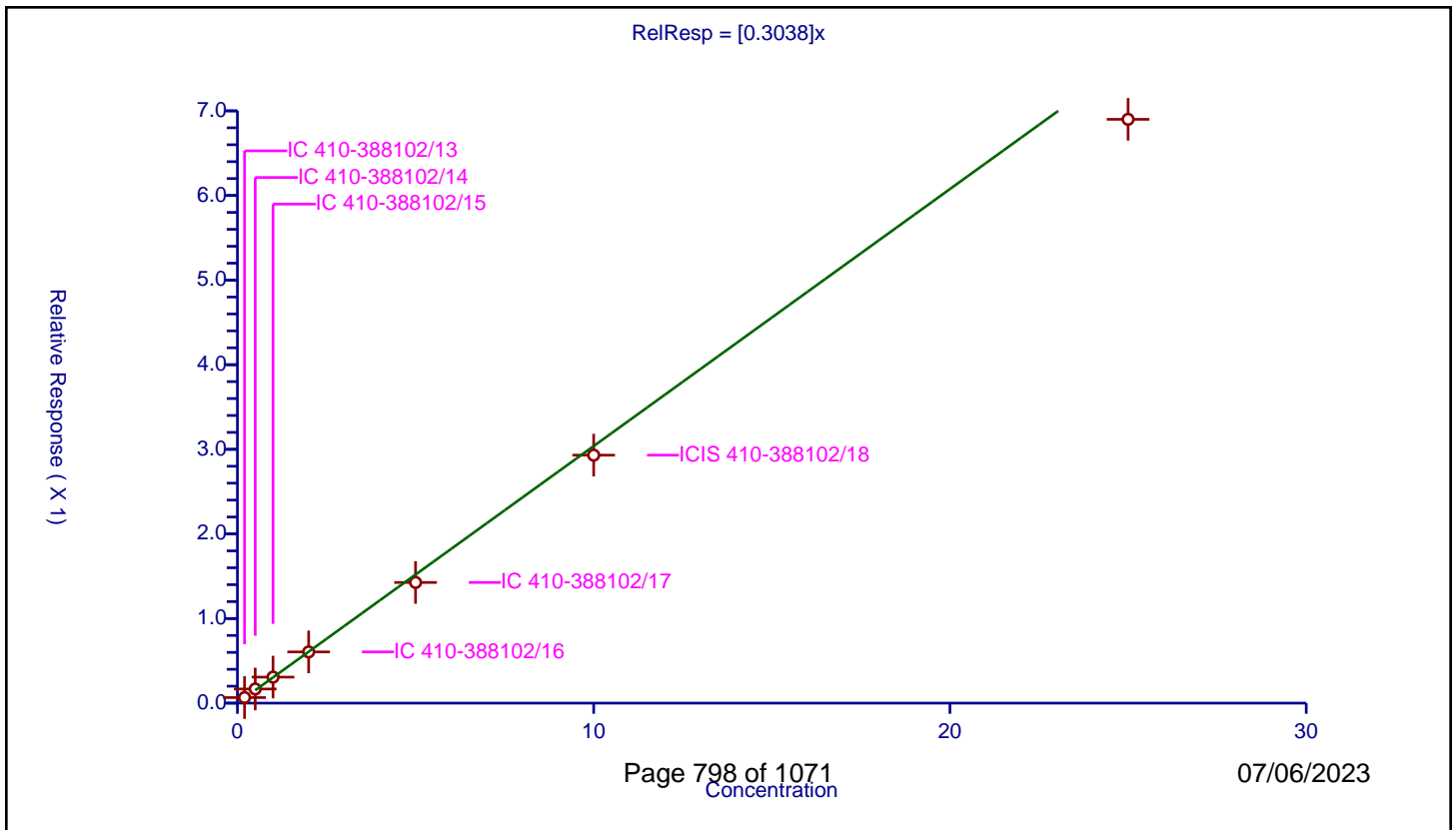
/ Bromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3038

Error Coefficients	
Standard Error:	587000
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 410-388102/13	0.2	0.065716	10.0	1795291.0	0.328582	Y
2	IC 410-388102/14	0.5	0.16692	10.0	1753956.0	0.33384	Y
3	IC 410-388102/15	1.0	0.307307	10.0	1790586.0	0.307307	Y
4	IC 410-388102/16	2.0	0.60532	10.0	1802566.0	0.30266	Y
5	IC 410-388102/17	5.0	1.426218	10.0	1860774.0	0.285244	Y
6	ICIS 410-388102/18	10.0	2.931003	10.0	1807671.0	0.2931	Y
7	IC 410-388102/19	25.0	6.900167	10.0	1891215.0	0.276007	Y



Calibration

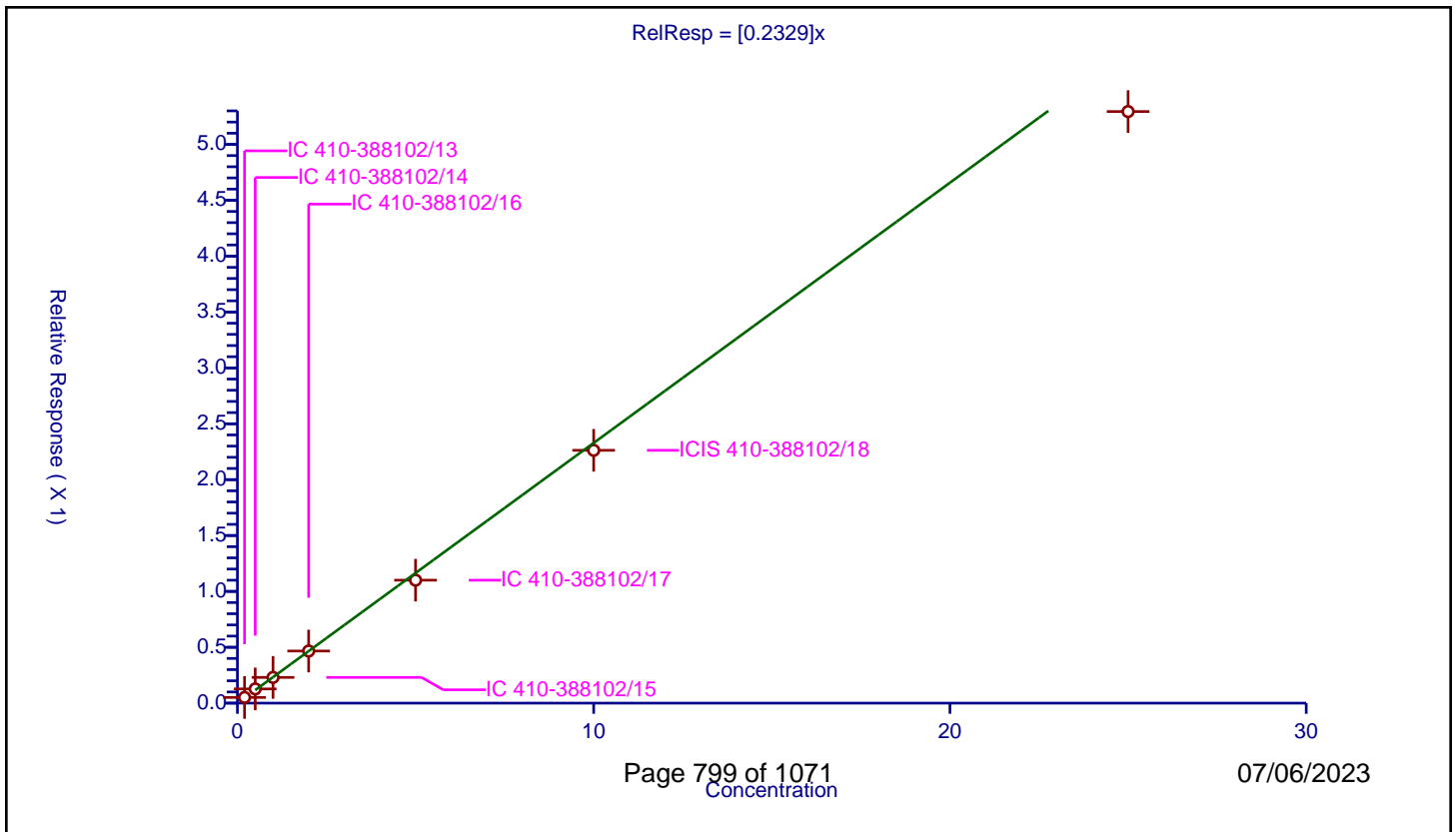
/ Chloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2329

Error Coefficients	
Standard Error:	451000
Relative Standard Error:	7.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	0.2	0.050878	10.0	1795291.0	0.254388	Y
2	IC 410-388102/14	0.5	0.127078	10.0	1753956.0	0.254157	Y
3	IC 410-388102/15	1.0	0.23017	10.0	1790586.0	0.23017	Y
4	IC 410-388102/16	2.0	0.466352	10.0	1802566.0	0.233176	Y
5	IC 410-388102/17	5.0	1.100381	10.0	1860774.0	0.220076	Y
6	ICIS 410-388102/18	10.0	2.262403	10.0	1807671.0	0.22624	Y
7	IC 410-388102/19	25.0	5.294105	10.0	1891215.0	0.211764	Y



Calibration

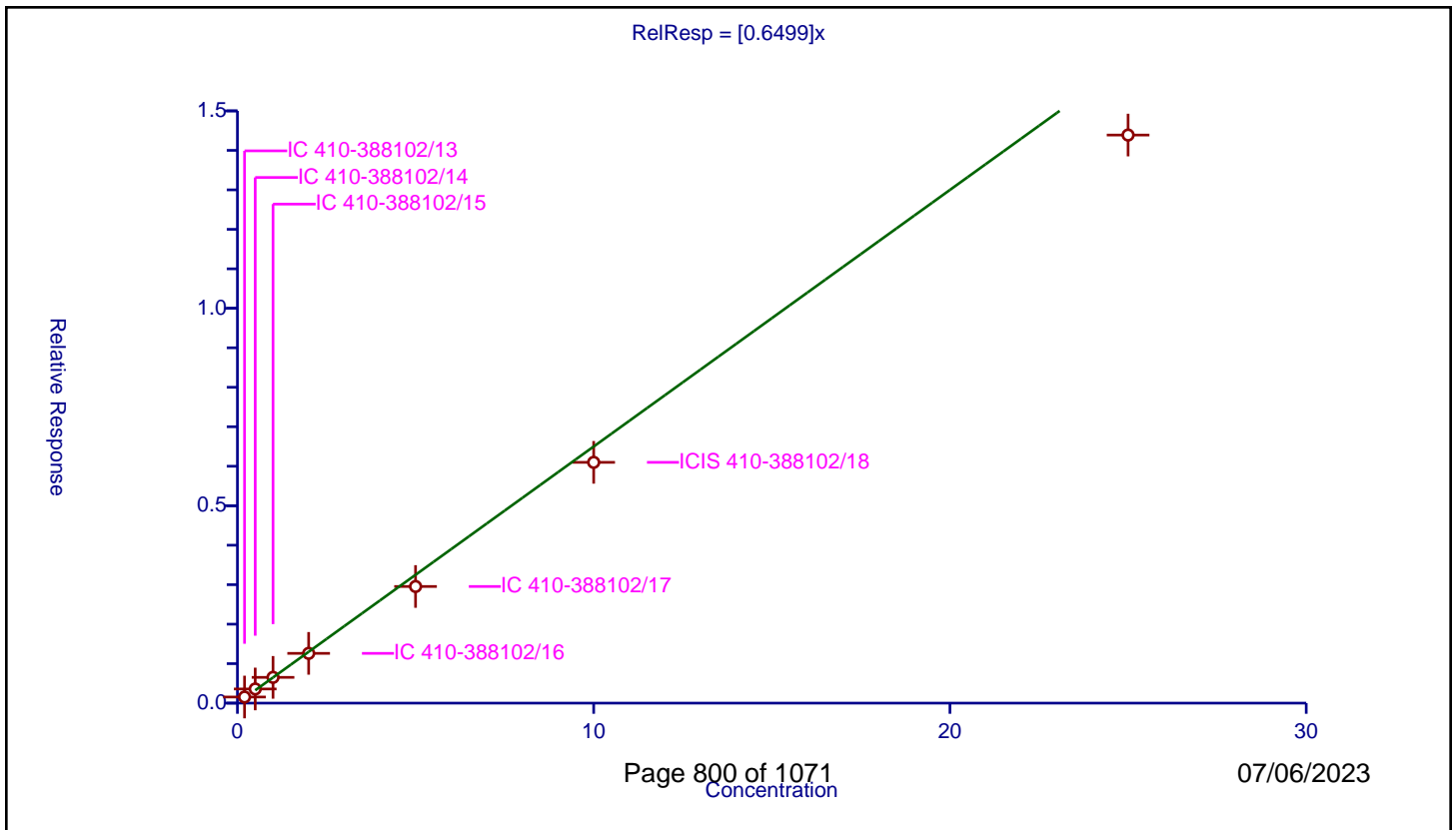
/ Dichlorofluoromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.6499

Error Coefficients	
Standard Error:	1220000
Relative Standard Error:	11.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	0.2	0.154565	10.0	1795291.0	0.772827	Y
2	IC 410-388102/14	0.5	0.358675	10.0	1753956.0	0.71735	Y
3	IC 410-388102/15	1.0	0.652943	10.0	1790586.0	0.652943	Y
4	IC 410-388102/16	2.0	1.260431	10.0	1802566.0	0.630215	Y
5	IC 410-388102/17	5.0	2.954093	10.0	1860774.0	0.590819	Y
6	ICIS 410-388102/18	10.0	6.098593	10.0	1807671.0	0.609859	Y
7	IC 410-388102/19	25.0	14.388073	10.0	1891215.0	0.575523	Y



Calibration

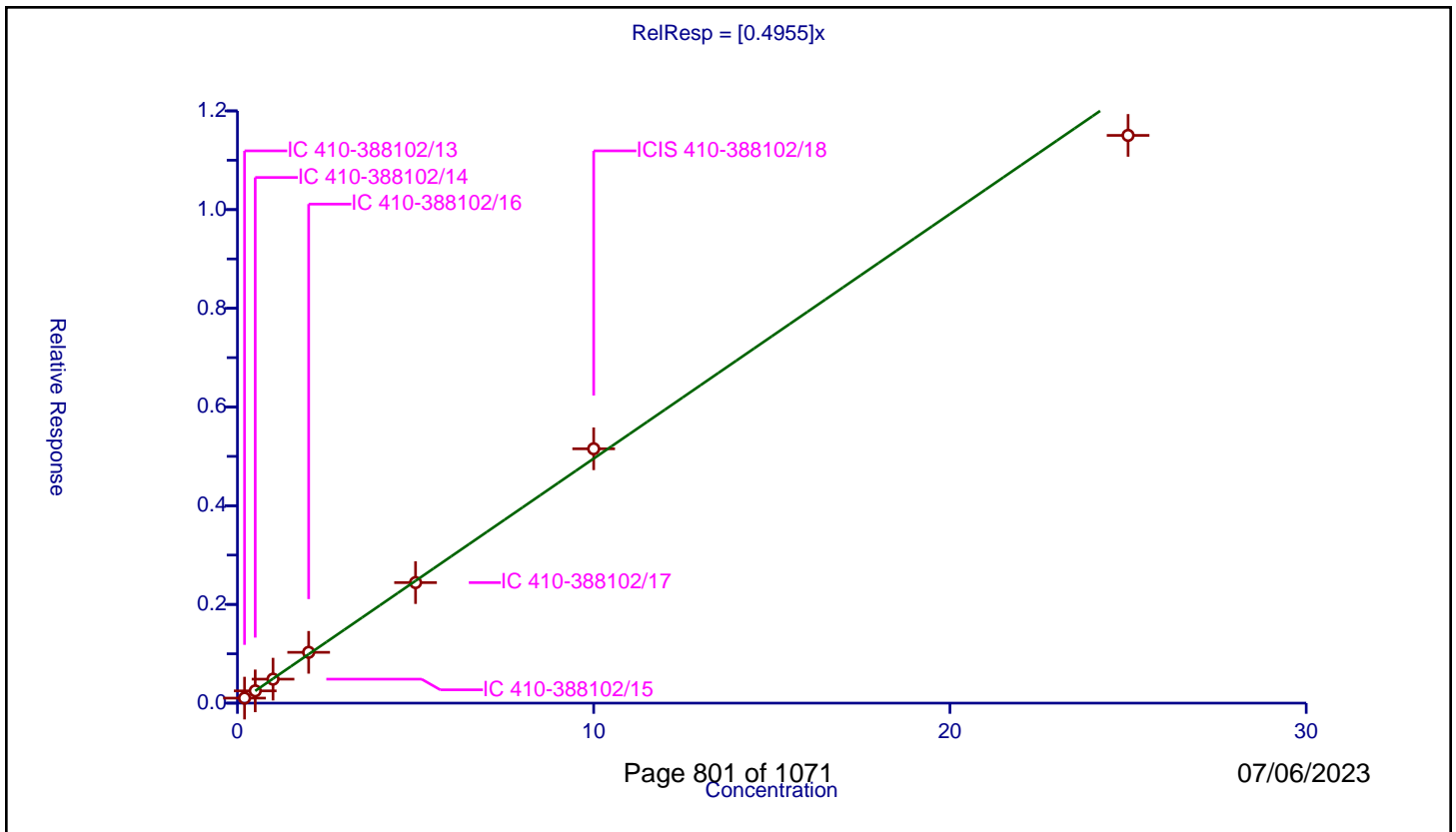
/ Trichlorofluoromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4955

Error Coefficients	
Standard Error:	988000
Relative Standard Error:	3.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	0.2	0.101465	10.0	1795291.0	0.507327	Y
2	IC 410-388102/14	0.5	0.248313	10.0	1753956.0	0.496626	Y
3	IC 410-388102/15	1.0	0.486092	10.0	1790586.0	0.486092	Y
4	IC 410-388102/16	2.0	1.029582	10.0	1802566.0	0.514791	Y
5	IC 410-388102/17	5.0	2.441935	10.0	1860774.0	0.488387	Y
6	ICIS 410-388102/18	10.0	5.153333	10.0	1807671.0	0.515333	Y
7	IC 410-388102/19	25.0	11.503436	10.0	1891215.0	0.460137	Y



Calibration

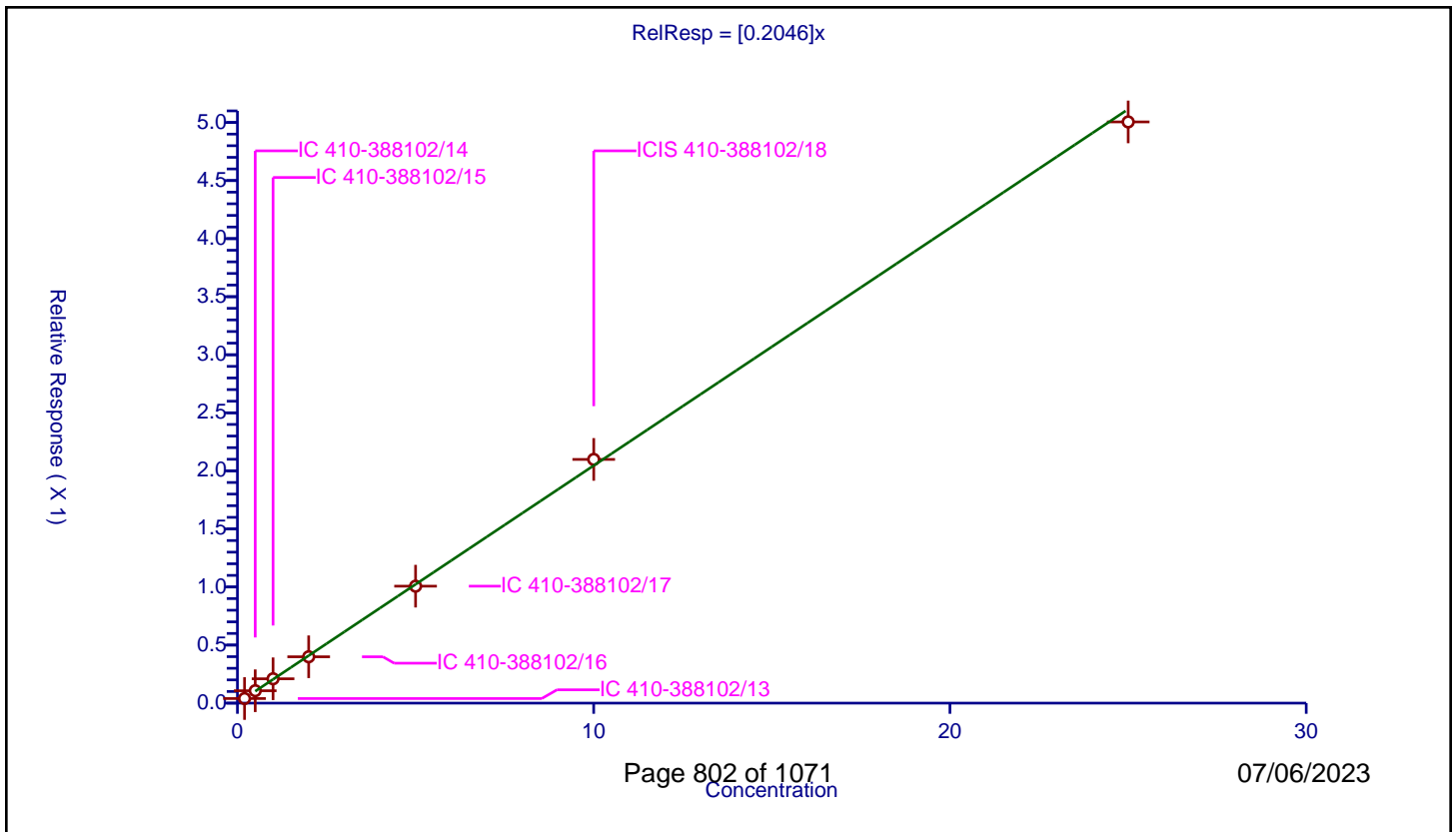
/ Ethyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.2046

Error Coefficients	
Standard Error:	425000
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 410-388102/13	0.200027	0.039526	10.0	1795291.0	0.197601	Y
2	IC 410-388102/14	0.500068	0.106838	10.0	1753956.0	0.213648	Y
3	IC 410-388102/15	1.000135	0.209725	10.0	1790586.0	0.209696	Y
4	IC 410-388102/16	2.00027	0.399159	10.0	1802566.0	0.199552	Y
5	IC 410-388102/17	5.000676	1.007162	10.0	1860774.0	0.201405	Y
6	ICIS 410-388102/18	10.001352	2.098761	10.0	1807671.0	0.209848	Y
7	IC 410-388102/19	25.00338	5.005052	10.0	1891215.0	0.200175	Y



Calibration

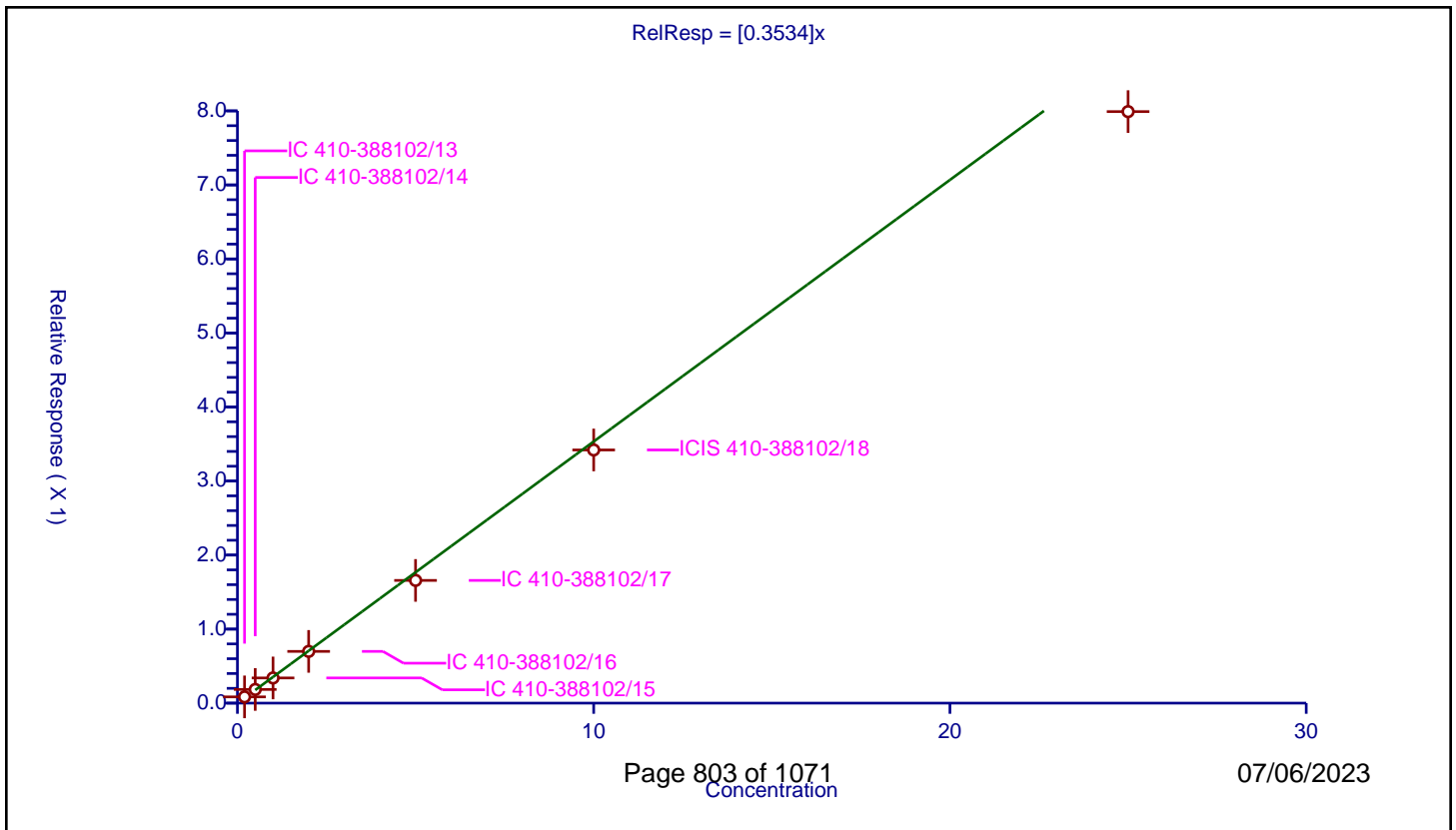
/ 1,2-Dichloro-1,1,2-trifluoroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3534

Error Coefficients	
Standard Error:	681000
Relative Standard Error:	9.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	0.2	0.08436	10.0	1795291.0	0.421798	Y
2	IC 410-388102/14	0.5	0.184651	10.0	1753956.0	0.369302	Y
3	IC 410-388102/15	1.0	0.340073	10.0	1790586.0	0.340073	Y
4	IC 410-388102/16	2.0	0.698704	10.0	1802566.0	0.349352	Y
5	IC 410-388102/17	5.0	1.657724	10.0	1860774.0	0.331545	Y
6	ICIS 410-388102/18	10.0	3.419887	10.0	1807671.0	0.341989	Y
7	IC 410-388102/19	25.0	7.99035	10.0	1891215.0	0.319614	Y



Calibration

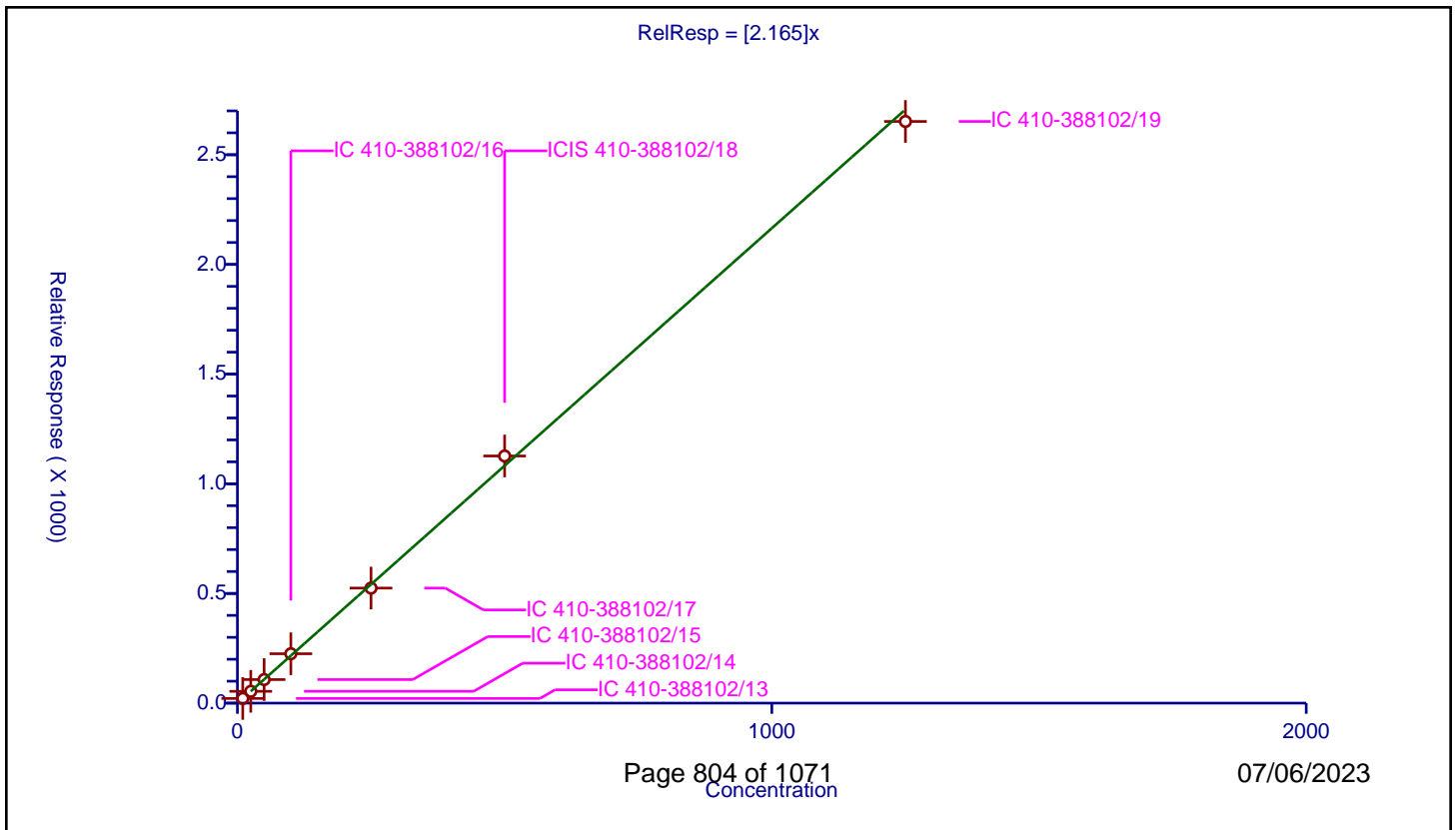
/ Acrolein

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

Curve Coefficients	
Intercept:	0
Slope:	2.165

Error Coefficients	
Standard Error:	3220000
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 410-388102/13	10.000333	21.302708	50.0	116680.0	2.1302	Y
2	IC 410-388102/14	25.000833	53.851267	50.0	132398.0	2.153979	Y
3	IC 410-388102/15	50.001667	107.377111	50.0	133555.0	2.147471	Y
4	IC 410-388102/16	100.003333	225.13116	50.0	127135.0	2.251237	Y
5	IC 410-388102/17	250.008333	524.465777	50.0	139221.0	2.097793	Y
6	ICIS 410-388102/18	500.016666	1126.686676	50.0	130775.0	2.253298	Y
7	IC 410-388102/19	1250.041665	2651.77597	50.0	134884.0	2.12135	Y



Calibration

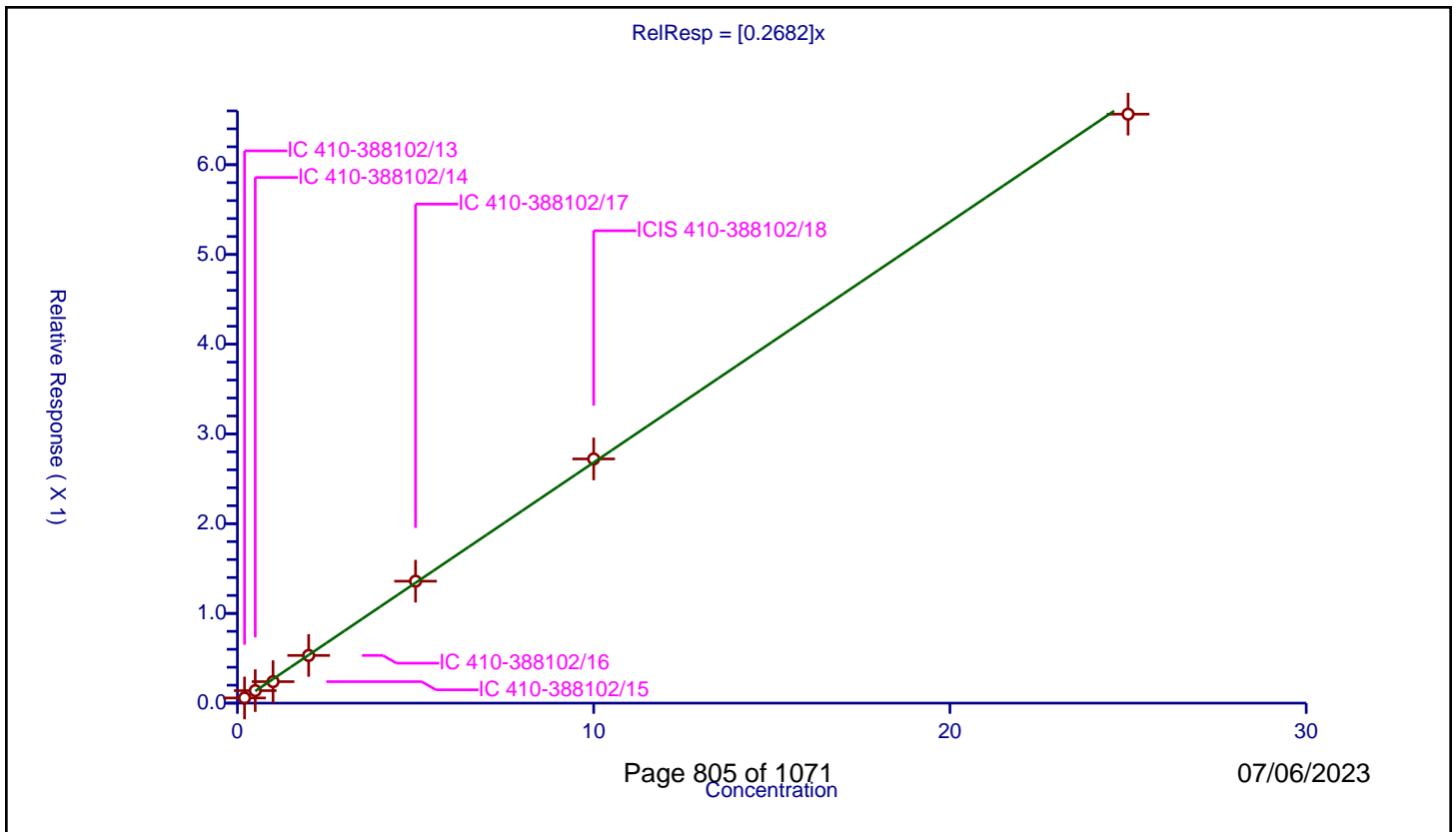
/ 1,1-Dichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.2682

Error Coefficients	
Standard Error:	557000
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 410-388102/13	0.2	0.057372	10.0	1795291.0	0.286862	Y
2	IC 410-388102/14	0.5	0.139399	10.0	1753956.0	0.278798	Y
3	IC 410-388102/15	1.0	0.239503	10.0	1790586.0	0.239503	Y
4	IC 410-388102/16	2.0	0.53142	10.0	1802566.0	0.26571	Y
5	IC 410-388102/17	5.0	1.358859	10.0	1860774.0	0.271772	Y
6	ICIS 410-388102/18	10.0	2.721292	10.0	1807671.0	0.272129	Y
7	IC 410-388102/19	25.0	6.563548	10.0	1891215.0	0.262542	Y



Calibration

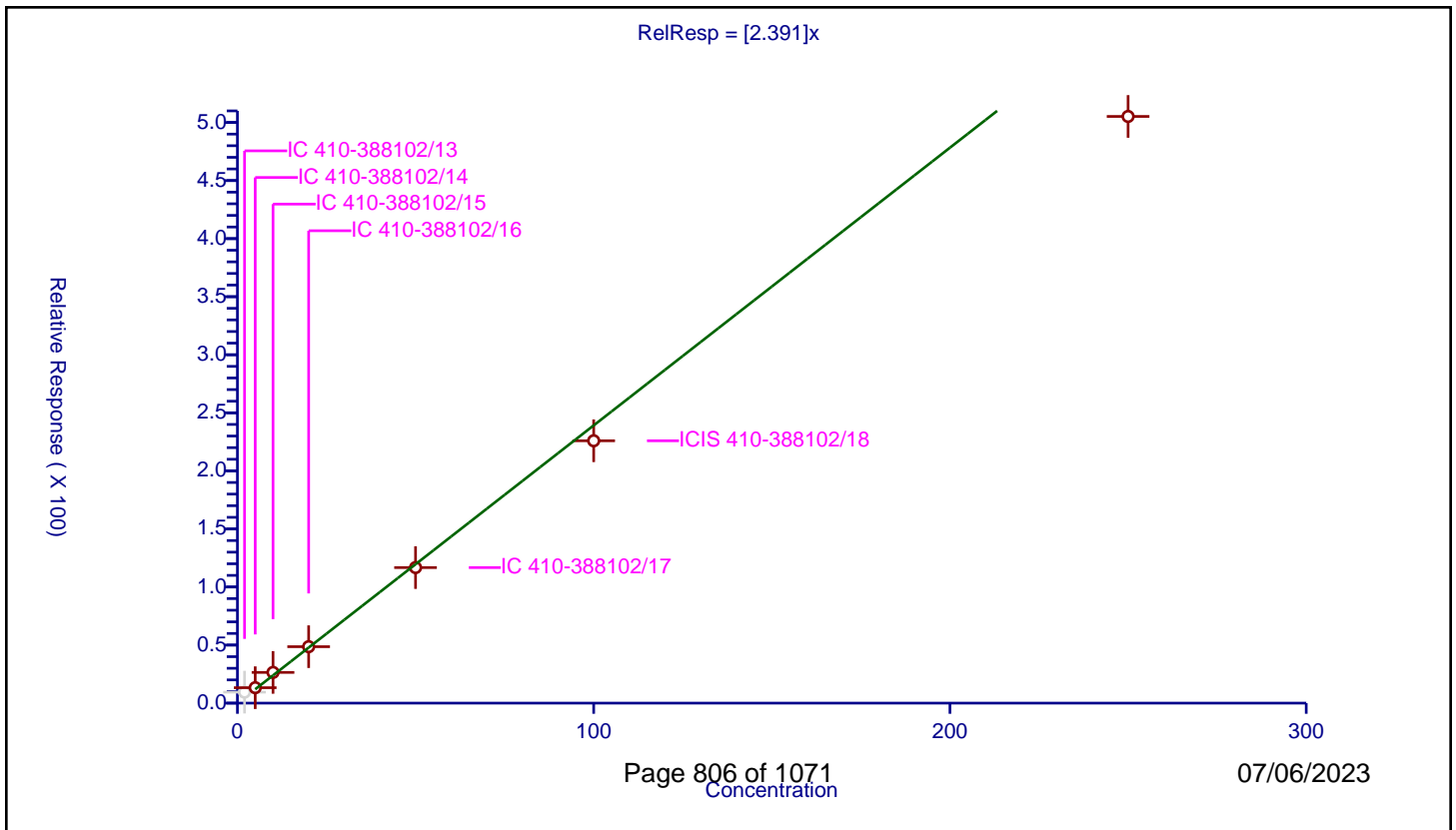
/ Acetone

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

Curve Coefficients	
Intercept:	0
Slope:	2.391

Error Coefficients	
Standard Error:	683000
Relative Standard Error:	10.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	2.0	9.457919	50.0	116680.0	4.72896	N
2	IC 410-388102/14	5.0	13.28872	50.0	132398.0	2.657744	Y
3	IC 410-388102/15	10.0	26.462506	50.0	133555.0	2.646251	Y
4	IC 410-388102/16	20.0	48.601487	50.0	127135.0	2.430074	Y
5	IC 410-388102/17	50.0	116.735981	50.0	139221.0	2.33472	Y
6	ICIS 410-388102/18	100.0	225.93118	50.0	130775.0	2.259312	Y
7	IC 410-388102/19	250.0	505.214481	50.0	134884.0	2.020858	Y



Calibration

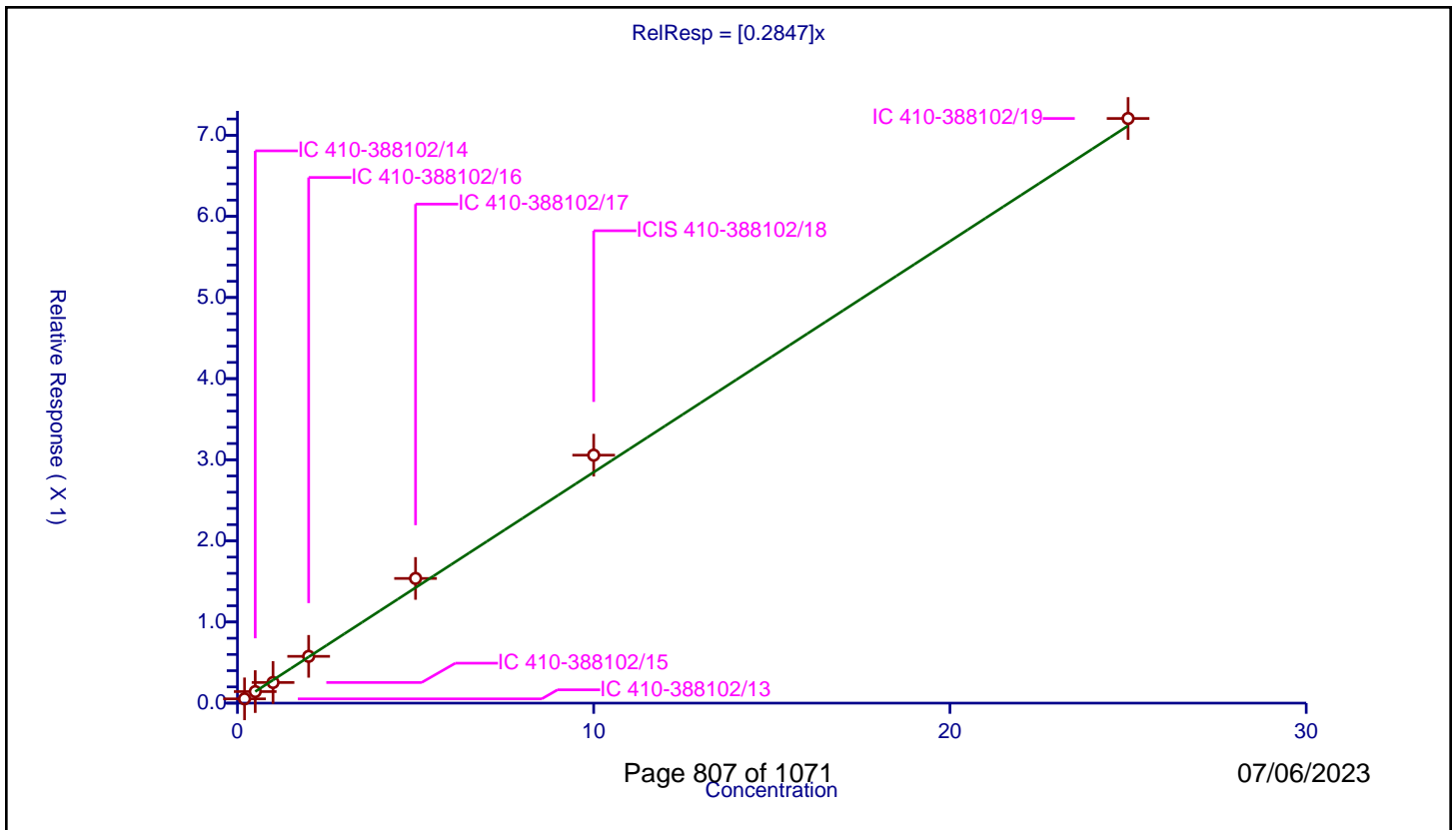
/ 1,1,2-Trichloro-1,2,2-trifluoroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2847

Error Coefficients	
Standard Error:	613000
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 410-388102/13	0.2	0.05276	10.0	1795291.0	0.263801	Y
2	IC 410-388102/14	0.5	0.142421	10.0	1753956.0	0.284842	Y
3	IC 410-388102/15	1.0	0.254313	10.0	1790586.0	0.254313	Y
4	IC 410-388102/16	2.0	0.576744	10.0	1802566.0	0.288372	Y
5	IC 410-388102/17	5.0	1.536936	10.0	1860774.0	0.307387	Y
6	ICIS 410-388102/18	10.0	3.05638	10.0	1807671.0	0.305638	Y
7	IC 410-388102/19	25.0	7.206388	10.0	1891215.0	0.288256	Y



Calibration

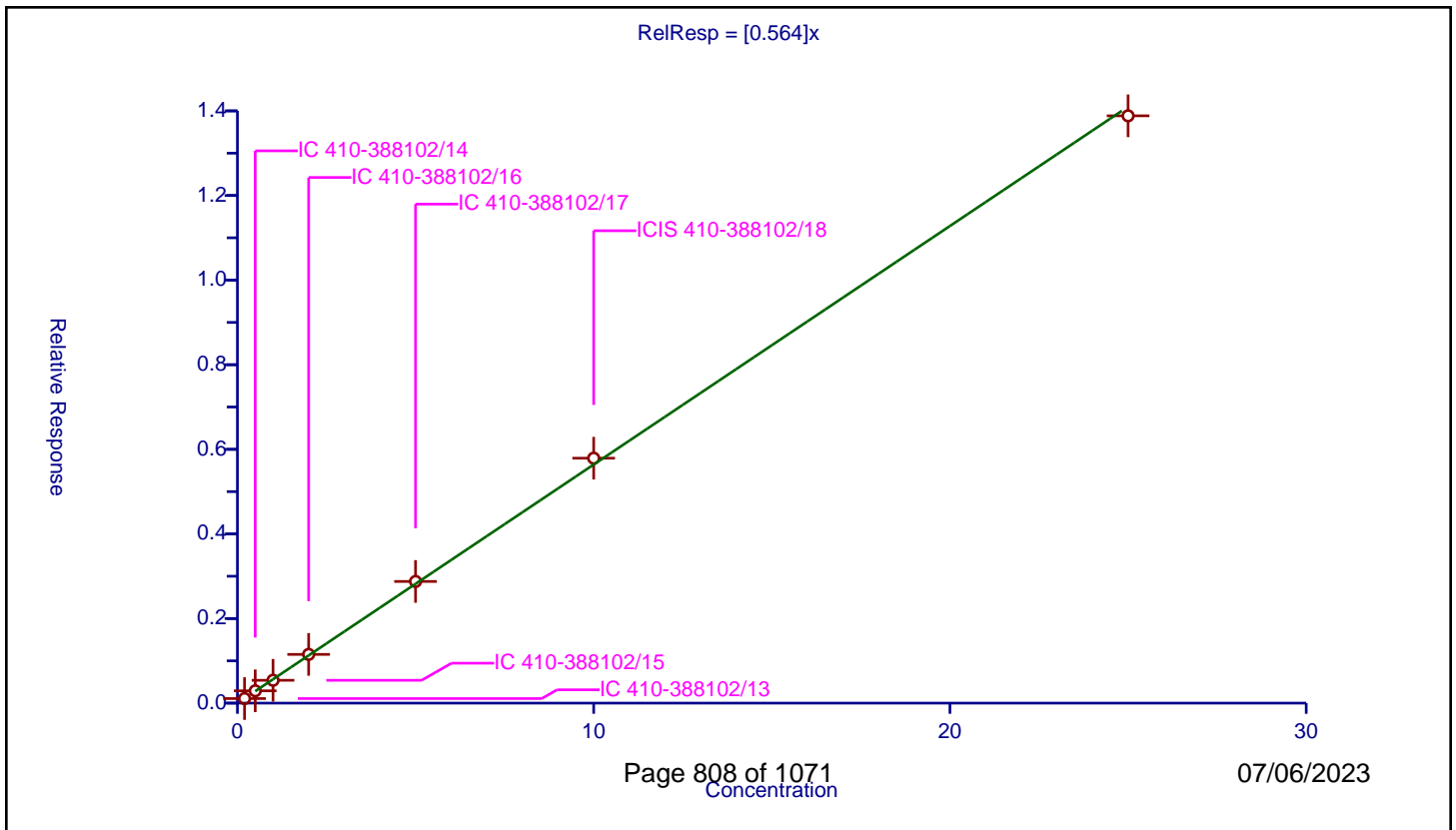
/ Iodomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.564

Error Coefficients	
Standard Error:	1180000
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 410-388102/13	0.2	0.108049	10.0	1795291.0	0.540247	Y
2	IC 410-388102/14	0.5	0.291062	10.0	1753956.0	0.582124	Y
3	IC 410-388102/15	1.0	0.539628	10.0	1790586.0	0.539628	Y
4	IC 410-388102/16	2.0	1.152146	10.0	1802566.0	0.576073	Y
5	IC 410-388102/17	5.0	2.876378	10.0	1860774.0	0.575276	Y
6	ICIS 410-388102/18	10.0	5.790091	10.0	1807671.0	0.579009	Y
7	IC 410-388102/19	25.0	13.88325	10.0	1891215.0	0.55533	Y



Calibration

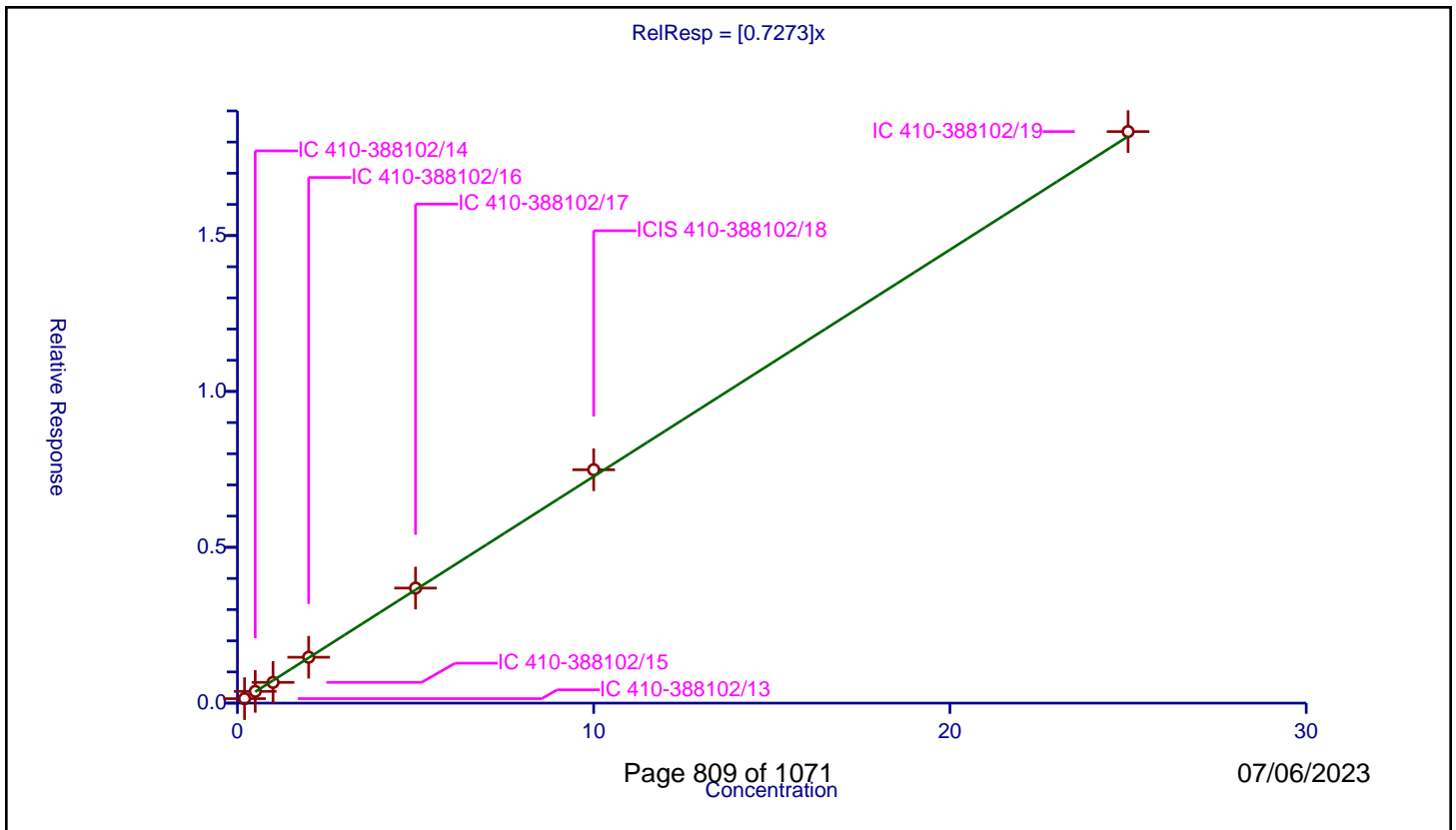
/ Carbon disulfide

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

Curve Coefficients	
Intercept:	0
Slope:	0.7273

Error Coefficients	
Standard Error:	1550000
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 410-388102/13	0.2	0.14298	10.0	1795291.0	0.714898	Y
2	IC 410-388102/14	0.5	0.377256	10.0	1753956.0	0.754512	Y
3	IC 410-388102/15	1.0	0.665363	10.0	1790586.0	0.665363	Y
4	IC 410-388102/16	2.0	1.471419	10.0	1802566.0	0.73571	Y
5	IC 410-388102/17	5.0	3.690394	10.0	1860774.0	0.738079	Y
6	ICIS 410-388102/18	10.0	7.487463	10.0	1807671.0	0.748746	Y
7	IC 410-388102/19	25.0	18.336197	10.0	1891215.0	0.733448	Y



Calibration

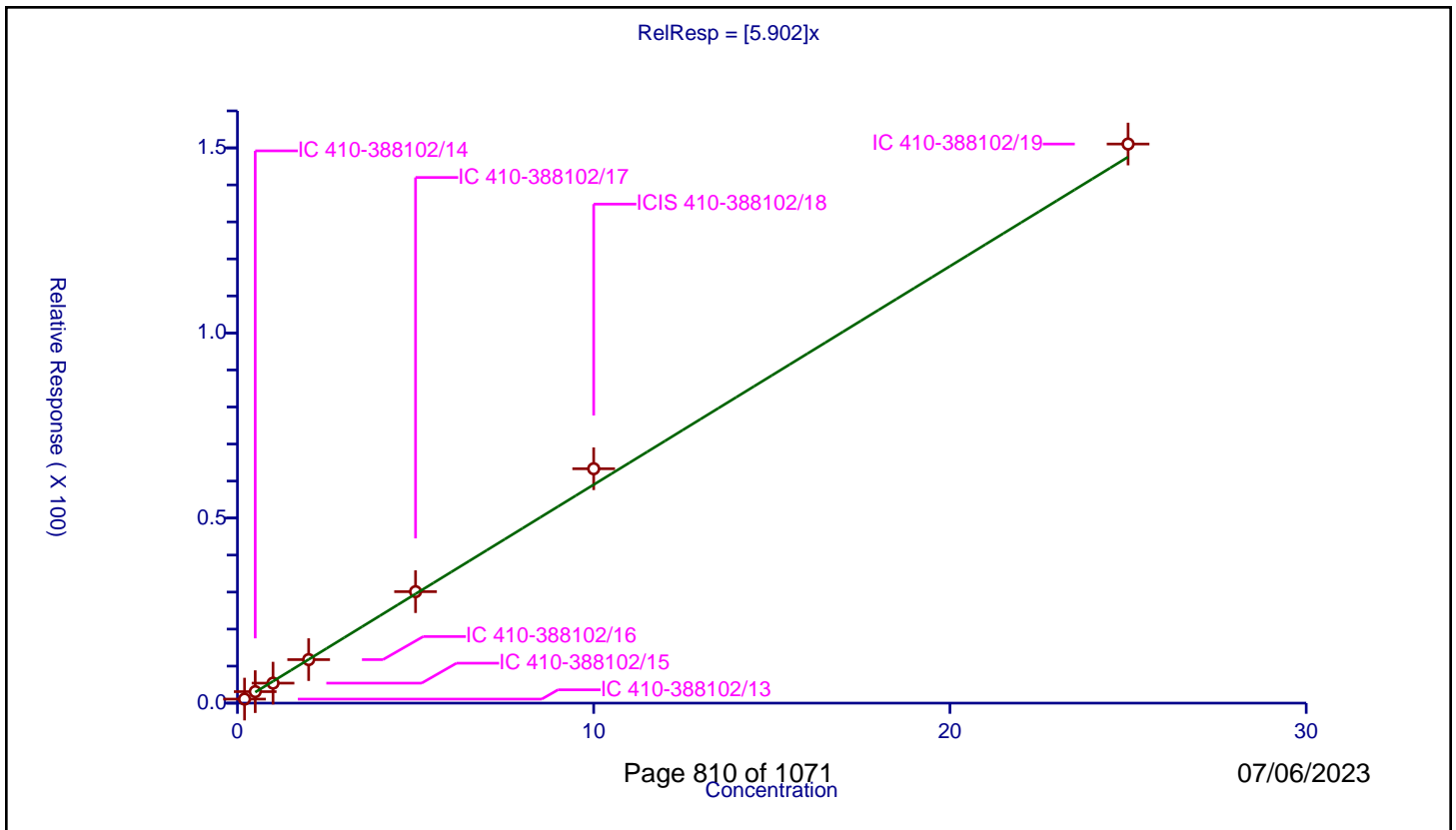
/ Methyl acetate

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

Curve Coefficients	
Intercept:	0
Slope:	5.902

Error Coefficients	
Standard Error:	183000
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 410-388102/13	0.2	1.087161	50.0	116680.0	5.435807	Y
2	IC 410-388102/14	0.5	3.103144	50.0	132398.0	6.206287	Y
3	IC 410-388102/15	1.0	5.397776	50.0	133555.0	5.397776	Y
4	IC 410-388102/16	2.0	11.754434	50.0	127135.0	5.877217	Y
5	IC 410-388102/17	5.0	30.113632	50.0	139221.0	6.022726	Y
6	ICIS 410-388102/18	10.0	63.319442	50.0	130775.0	6.331944	Y
7	IC 410-388102/19	25.0	151.046455	50.0	134884.0	6.041858	Y



Calibration

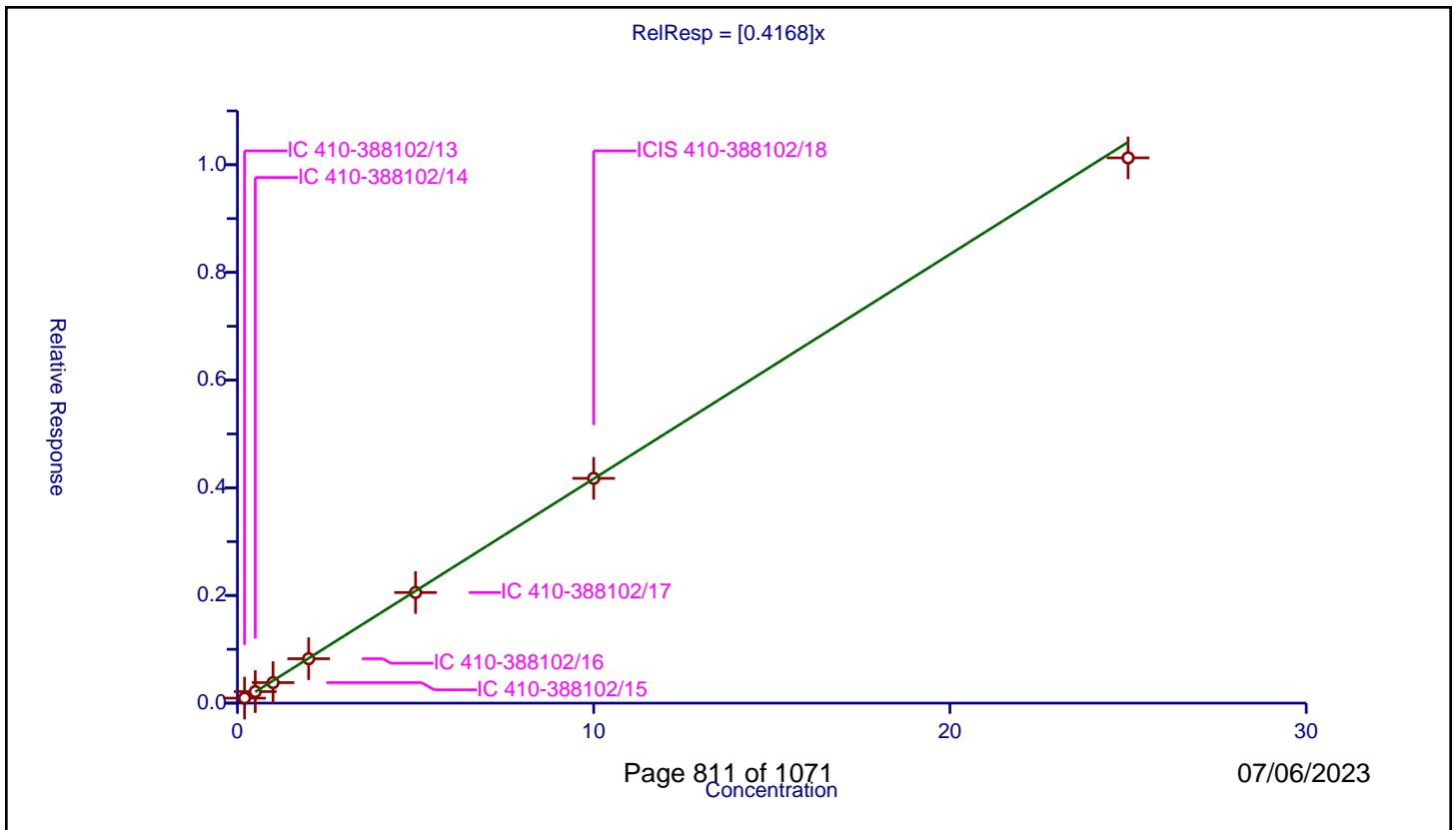
/ 3-Chloro-1-propene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4168

Error Coefficients	
Standard Error:	858000
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 410-388102/13	0.2	0.092525	10.0	1795291.0	0.462627	Y
2	IC 410-388102/14	0.5	0.213996	10.0	1753956.0	0.427992	Y
3	IC 410-388102/15	1.0	0.381099	10.0	1790586.0	0.381099	Y
4	IC 410-388102/16	2.0	0.824935	10.0	1802566.0	0.412468	Y
5	IC 410-388102/17	5.0	2.05486	10.0	1860774.0	0.410972	Y
6	ICIS 410-388102/18	10.0	4.174808	10.0	1807671.0	0.417481	Y
7	IC 410-388102/19	25.0	10.127167	10.0	1891215.0	0.405087	Y



Calibration

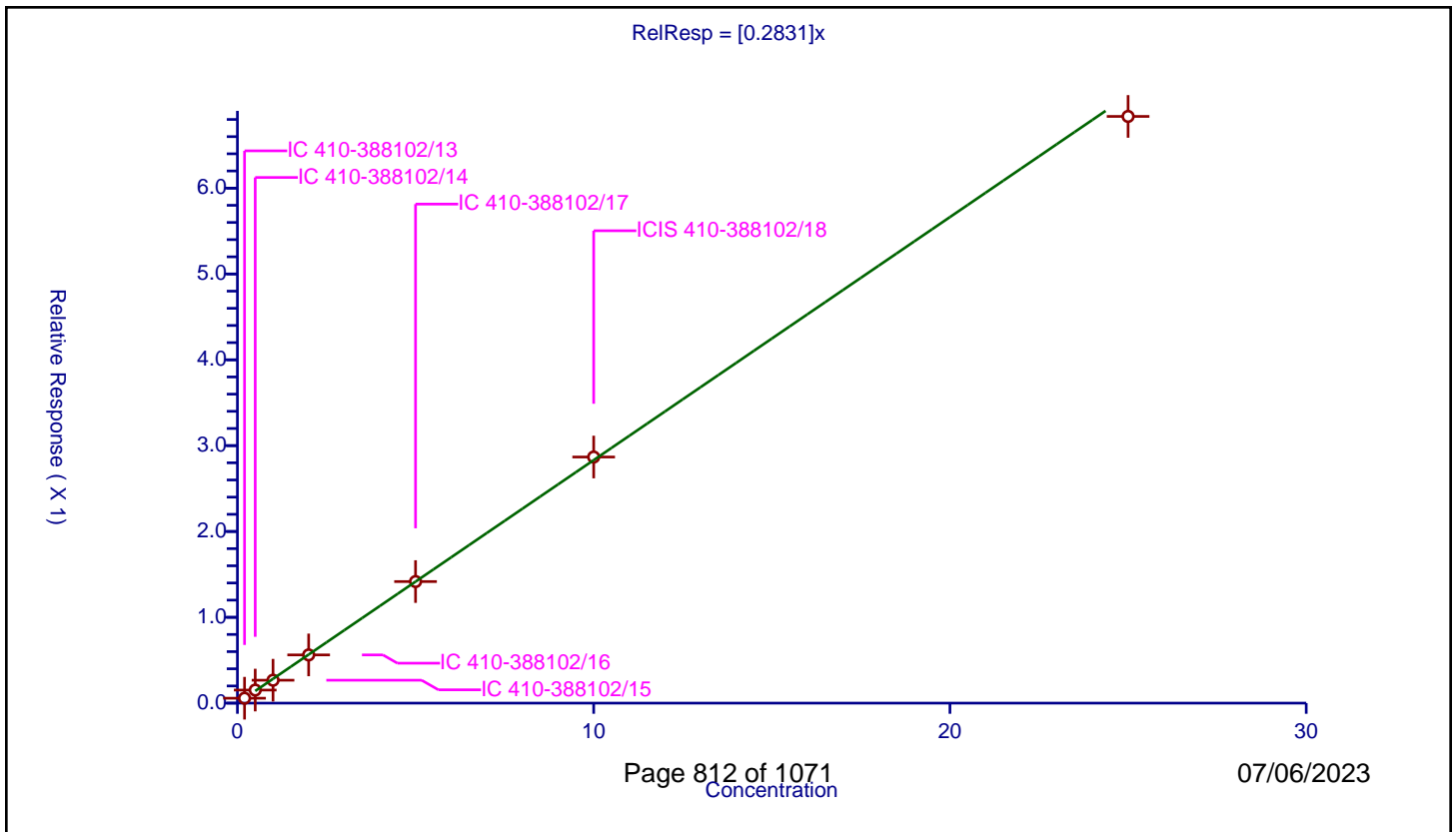
/ Methylene Chloride

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

Curve Coefficients	
Intercept:	0
Slope:	0.2831

Error Coefficients	
Standard Error:	581000
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 410-388102/13	0.2	0.057272	10.0	1795291.0	0.28636	Y
2	IC 410-388102/14	0.5	0.152256	10.0	1753956.0	0.304512	Y
3	IC 410-388102/15	1.0	0.26689	10.0	1790586.0	0.26689	Y
4	IC 410-388102/16	2.0	0.561699	10.0	1802566.0	0.28085	Y
5	IC 410-388102/17	5.0	1.416325	10.0	1860774.0	0.283265	Y
6	ICIS 410-388102/18	10.0	2.867203	10.0	1807671.0	0.28672	Y
7	IC 410-388102/19	25.0	6.835347	10.0	1891215.0	0.273414	Y



Calibration

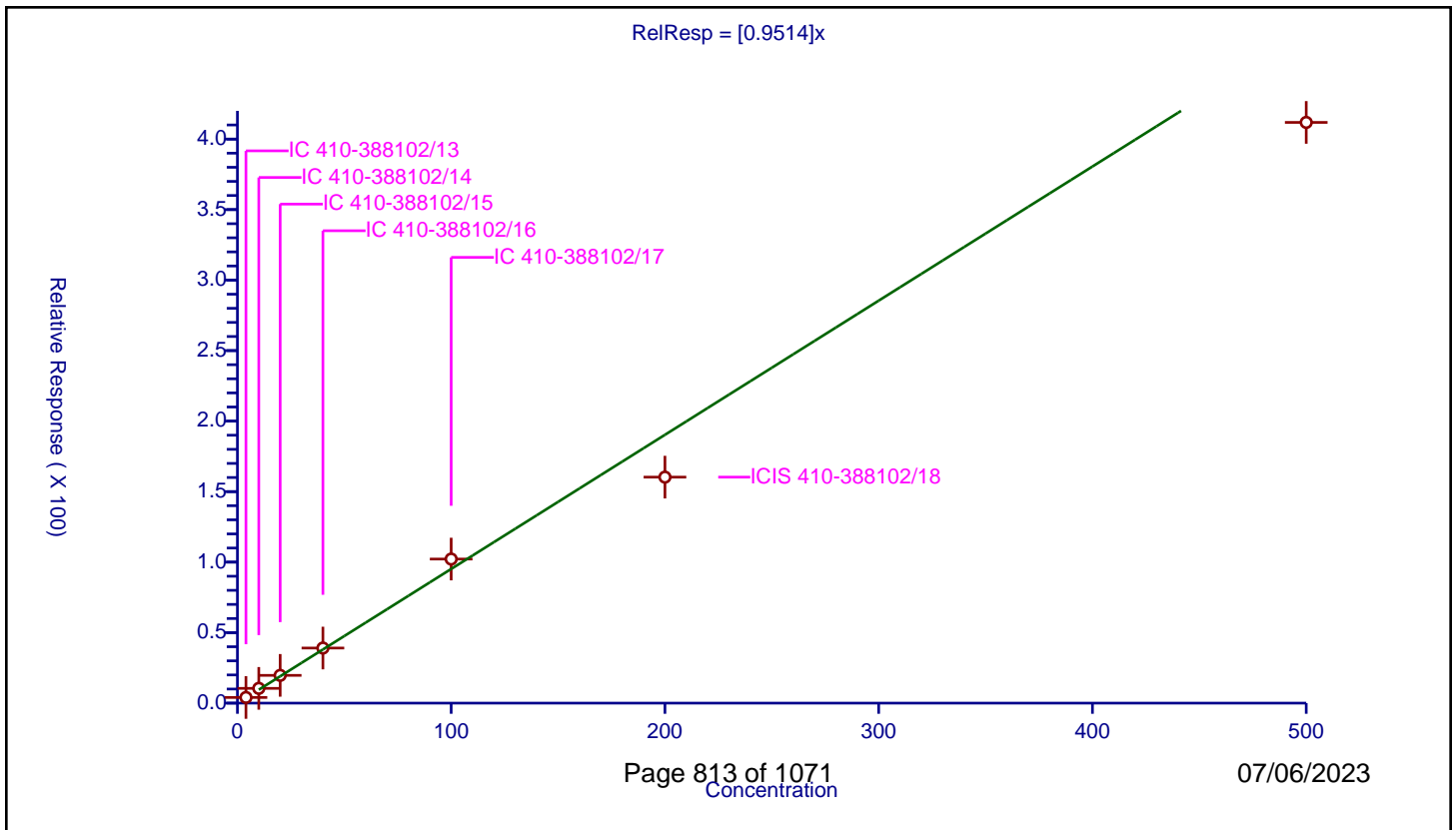
/ 2-Methyl-2-propanol

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

Curve Coefficients	
Intercept:	0
Slope:	0.9514

Error Coefficients	
Standard Error:	501000
Relative Standard Error:	10.3
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	4.0	4.016541	50.0	116680.0	1.004135	Y
2	IC 410-388102/14	10.0	10.478633	50.0	132398.0	1.047863	Y
3	IC 410-388102/15	20.0	19.681405	50.0	133555.0	0.98407	Y
4	IC 410-388102/16	40.0	39.078539	50.0	127135.0	0.976963	Y
5	IC 410-388102/17	100.0	102.172804	50.0	139221.0	1.021728	Y
6	ICIS 410-388102/18	200.0	160.268782	50.0	130775.0	0.801344	Y
7	IC 410-388102/19	500.0	411.823863	50.0	134884.0	0.823648	Y



Calibration

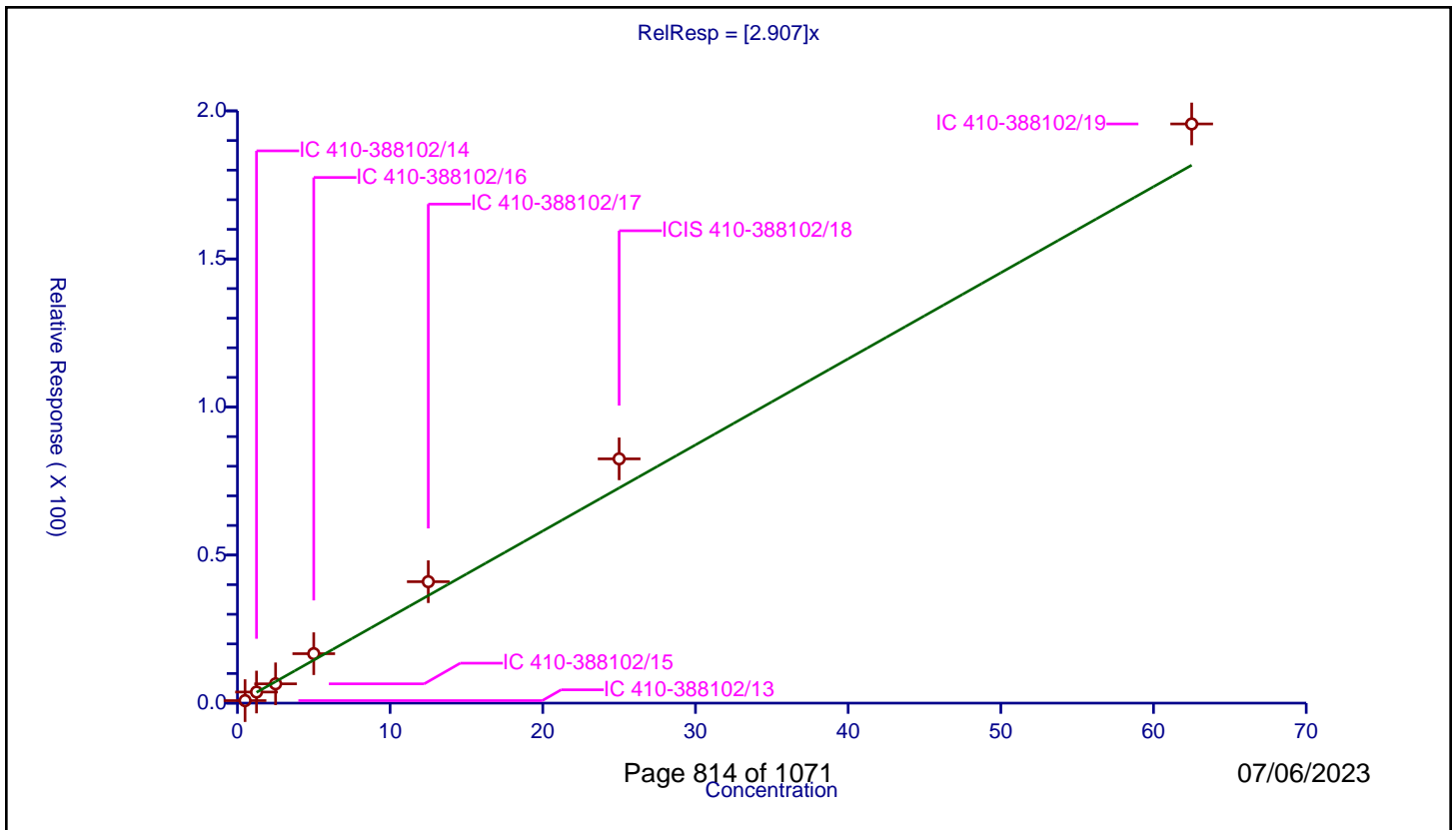
/ Acrylonitrile

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

Curve Coefficients	
Intercept:	0
Slope:	2.907

Error Coefficients	
Standard Error:	238000
Relative Standard Error:	20.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.956

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	0.5	0.84676	50.0	116680.0	1.693521	Y
2	IC 410-388102/14	1.25	3.747791	50.0	132398.0	2.998233	Y
3	IC 410-388102/15	2.5	6.512673	50.0	133555.0	2.605069	Y
4	IC 410-388102/16	5.0	16.701931	50.0	127135.0	3.340386	Y
5	IC 410-388102/17	12.5	41.009259	50.0	139221.0	3.280741	Y
6	ICIS 410-388102/18	25.0	82.487861	50.0	130775.0	3.299514	Y
7	IC 410-388102/19	62.5	195.594733	50.0	134884.0	3.129516	Y



Calibration

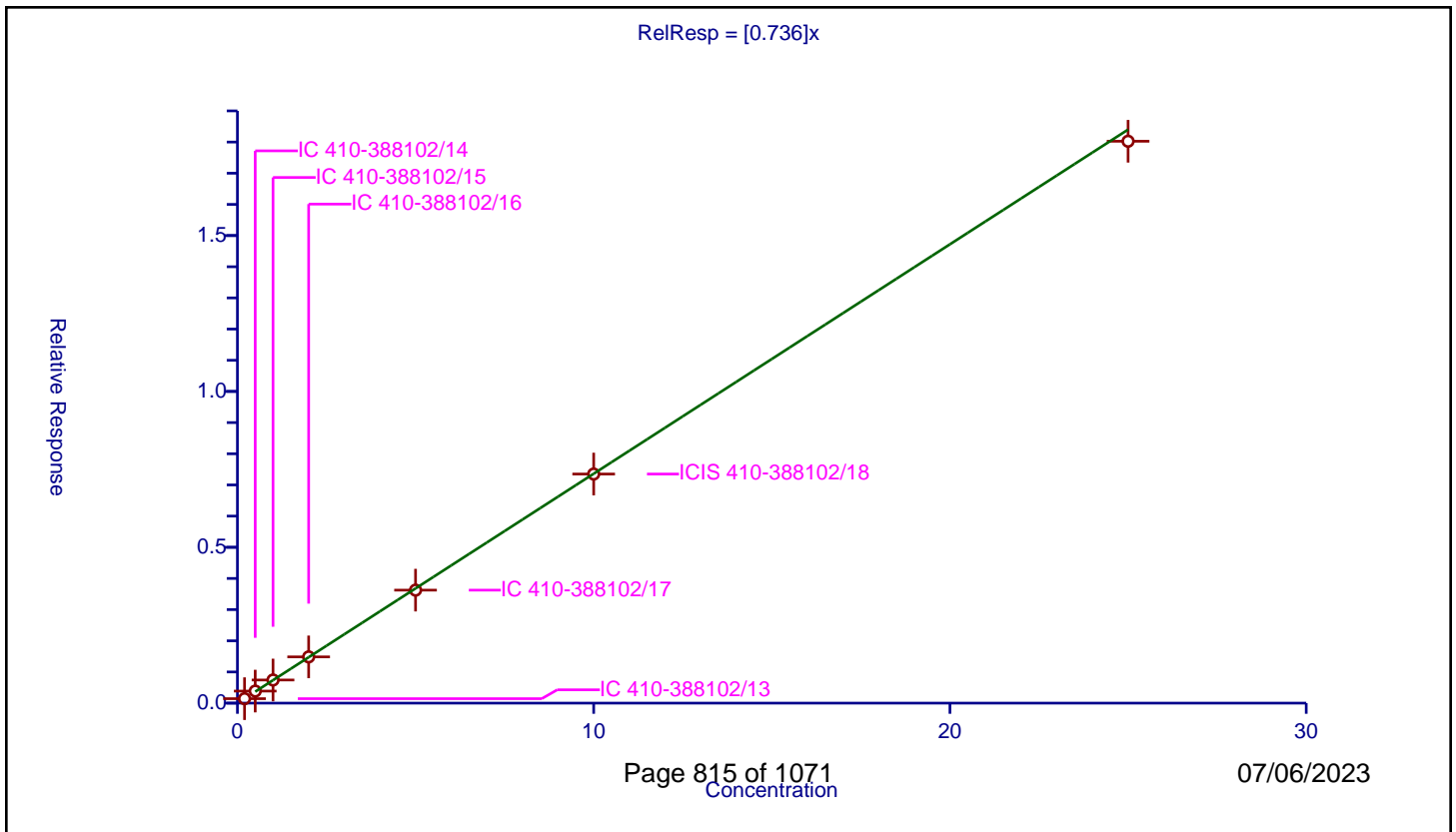
/ Methyl tert-butyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.736

Error Coefficients	
Standard Error:	1520000
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 410-388102/13	0.2	0.142818	10.0	1795291.0	0.71409	Y
2	IC 410-388102/14	0.5	0.386543	10.0	1753956.0	0.773087	Y
3	IC 410-388102/15	1.0	0.742165	10.0	1790586.0	0.742165	Y
4	IC 410-388102/16	2.0	1.483624	10.0	1802566.0	0.741812	Y
5	IC 410-388102/17	5.0	3.62461	10.0	1860774.0	0.724922	Y
6	ICIS 410-388102/18	10.0	7.349722	10.0	1807671.0	0.734972	Y
7	IC 410-388102/19	25.0	18.0261	10.0	1891215.0	0.721044	Y



Calibration

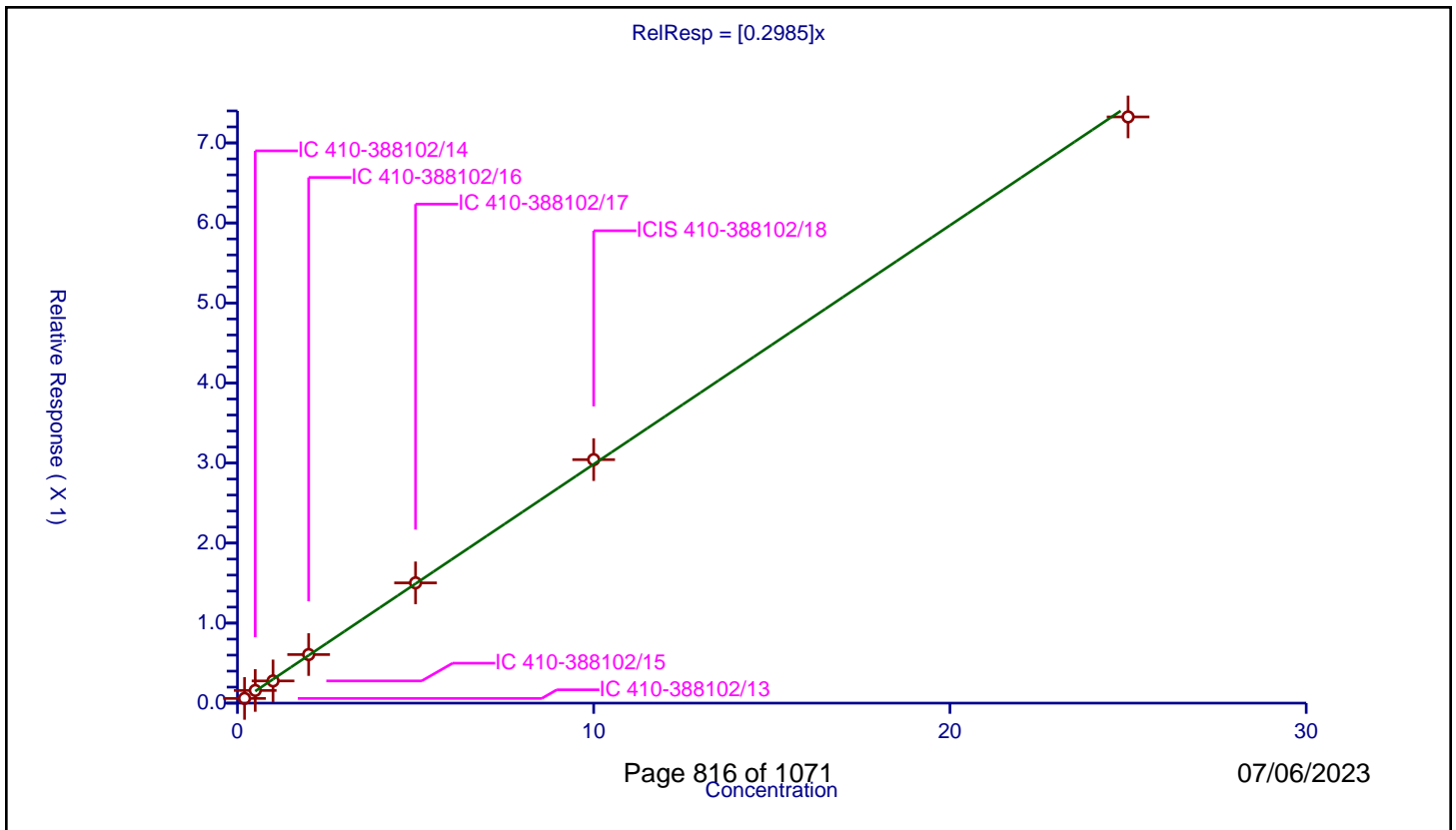
/ trans-1,2-Dichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.2985

Error Coefficients	
Standard Error:	621000
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 410-388102/13	0.2	0.058865	10.0	1795291.0	0.294326	Y
2	IC 410-388102/14	0.5	0.158322	10.0	1753956.0	0.316644	Y
3	IC 410-388102/15	1.0	0.277267	10.0	1790586.0	0.277267	Y
4	IC 410-388102/16	2.0	0.606707	10.0	1802566.0	0.303354	Y
5	IC 410-388102/17	5.0	1.502681	10.0	1860774.0	0.300536	Y
6	ICIS 410-388102/18	10.0	3.042395	10.0	1807671.0	0.30424	Y
7	IC 410-388102/19	25.0	7.324625	10.0	1891215.0	0.292985	Y



Calibration

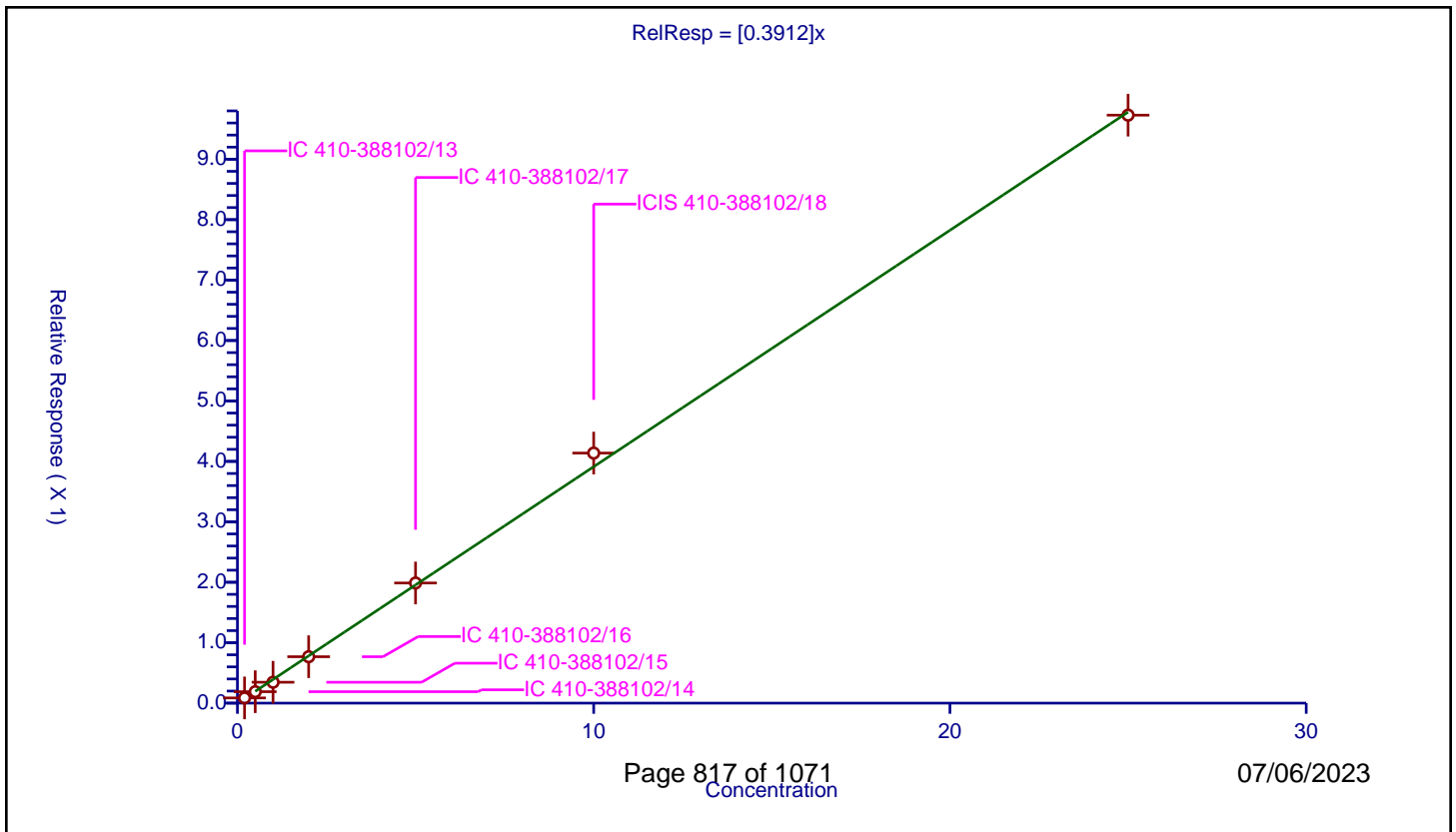
/ Hexane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3912

Error Coefficients	
Standard Error:	827000
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 410-388102/13	0.2	0.086042	10.0	1795291.0	0.430209	Y
2	IC 410-388102/14	0.5	0.18907	10.0	1753956.0	0.378139	Y
3	IC 410-388102/15	1.0	0.345742	10.0	1790586.0	0.345742	Y
4	IC 410-388102/16	2.0	0.767844	10.0	1802566.0	0.383922	Y
5	IC 410-388102/17	5.0	1.987942	10.0	1860774.0	0.397588	Y
6	ICIS 410-388102/18	10.0	4.137816	10.0	1807671.0	0.413782	Y
7	IC 410-388102/19	25.0	9.729613	10.0	1891215.0	0.389185	Y



Calibration

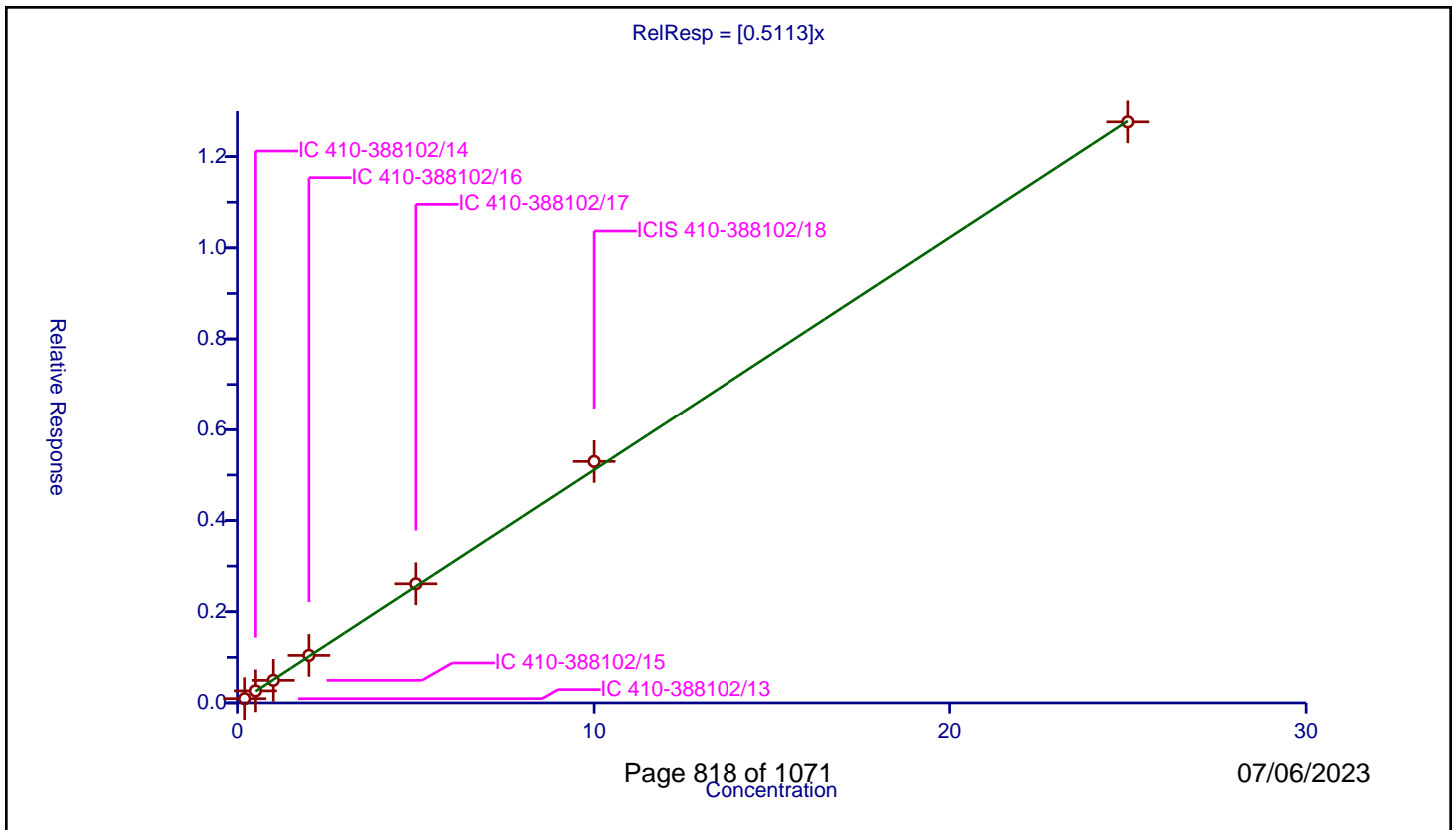
/ 1,1-Dichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.5113

Error Coefficients	
Standard Error:	1080000
Relative Standard Error:	4.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	0.2	0.093656	10.0	1795291.0	0.468281	Y
2	IC 410-388102/14	0.5	0.265195	10.0	1753956.0	0.53039	Y
3	IC 410-388102/15	1.0	0.496257	10.0	1790586.0	0.496257	Y
4	IC 410-388102/16	2.0	1.043302	10.0	1802566.0	0.521651	Y
5	IC 410-388102/17	5.0	2.612698	10.0	1860774.0	0.52254	Y
6	ICIS 410-388102/18	10.0	5.297441	10.0	1807671.0	0.529744	Y
7	IC 410-388102/19	25.0	12.763351	10.0	1891215.0	0.510534	Y



Calibration

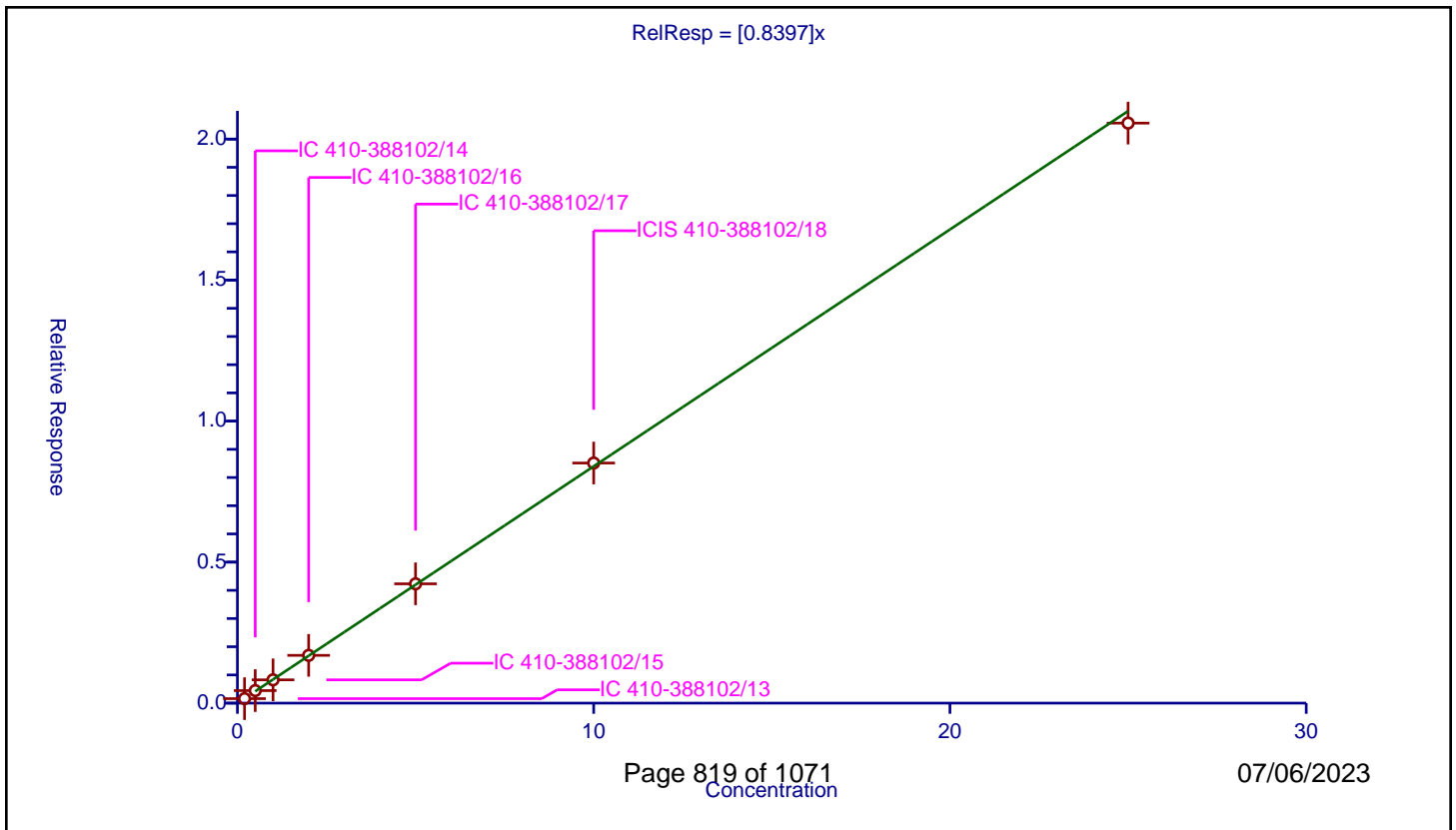
/ Isopropyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.8397

Error Coefficients	
Standard Error:	1740000
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 410-388102/13	0.2	0.159328	10.0	1795291.0	0.79664	Y
2	IC 410-388102/14	0.5	0.444048	10.0	1753956.0	0.888095	Y
3	IC 410-388102/15	1.0	0.826305	10.0	1790586.0	0.826305	Y
4	IC 410-388102/16	2.0	1.693719	10.0	1802566.0	0.846859	Y
5	IC 410-388102/17	5.0	4.230089	10.0	1860774.0	0.846018	Y
6	ICIS 410-388102/18	10.0	8.512937	10.0	1807671.0	0.851294	Y
7	IC 410-388102/19	25.0	20.566736	10.0	1891215.0	0.822669	Y



Calibration

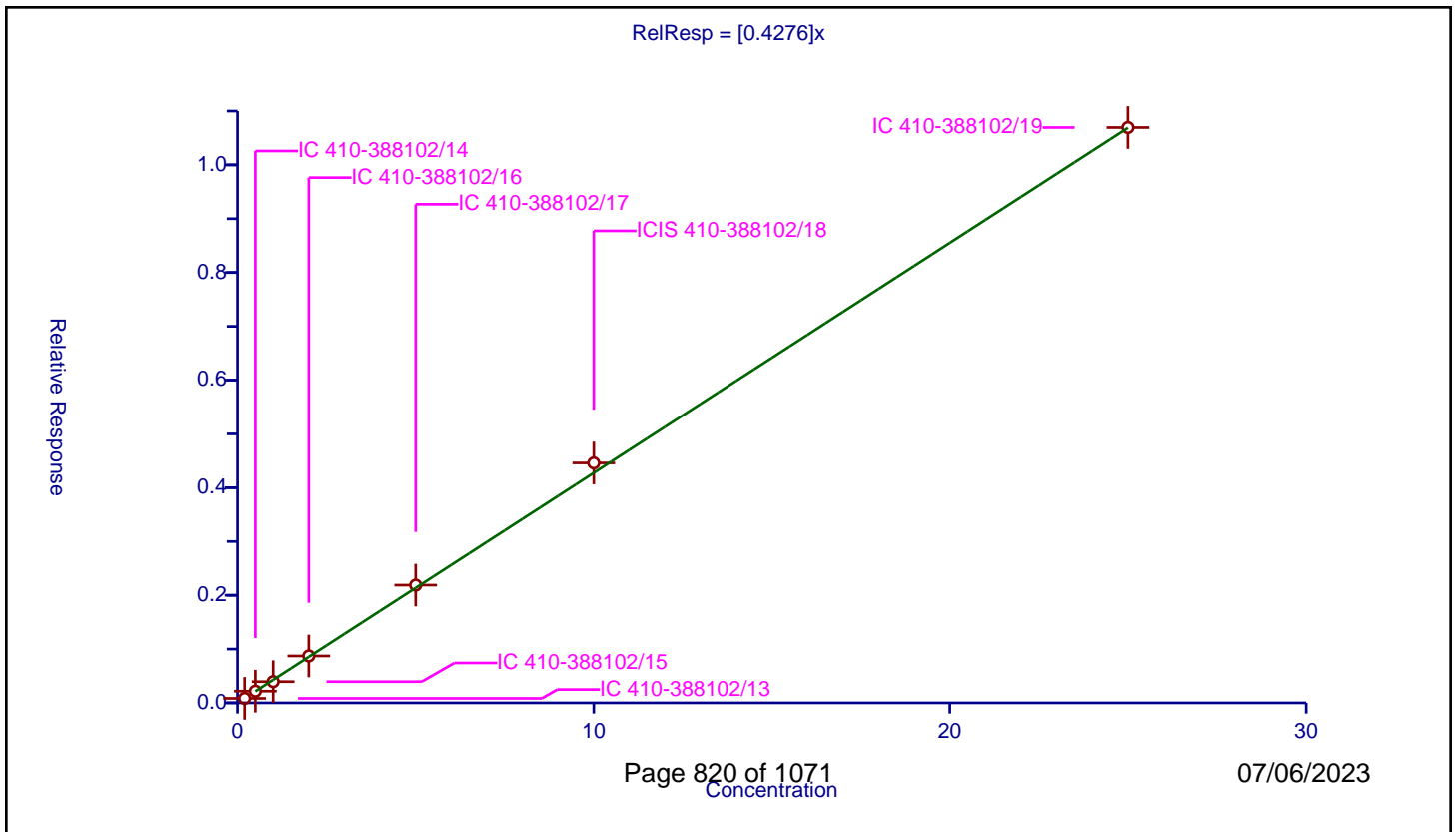
/ 2-Chloro-1,3-butadiene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4276

Error Coefficients	
Standard Error:	907000
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 410-388102/13	0.2	0.083223	10.0	1795291.0	0.416116	Y
2	IC 410-388102/14	0.5	0.217577	10.0	1753956.0	0.435153	Y
3	IC 410-388102/15	1.0	0.394	10.0	1790586.0	0.394	Y
4	IC 410-388102/16	2.0	0.871996	10.0	1802566.0	0.435998	Y
5	IC 410-388102/17	5.0	2.189213	10.0	1860774.0	0.437843	Y
6	ICIS 410-388102/18	10.0	4.459904	10.0	1807671.0	0.44599	Y
7	IC 410-388102/19	25.0	10.69495	10.0	1891215.0	0.427798	Y



Calibration

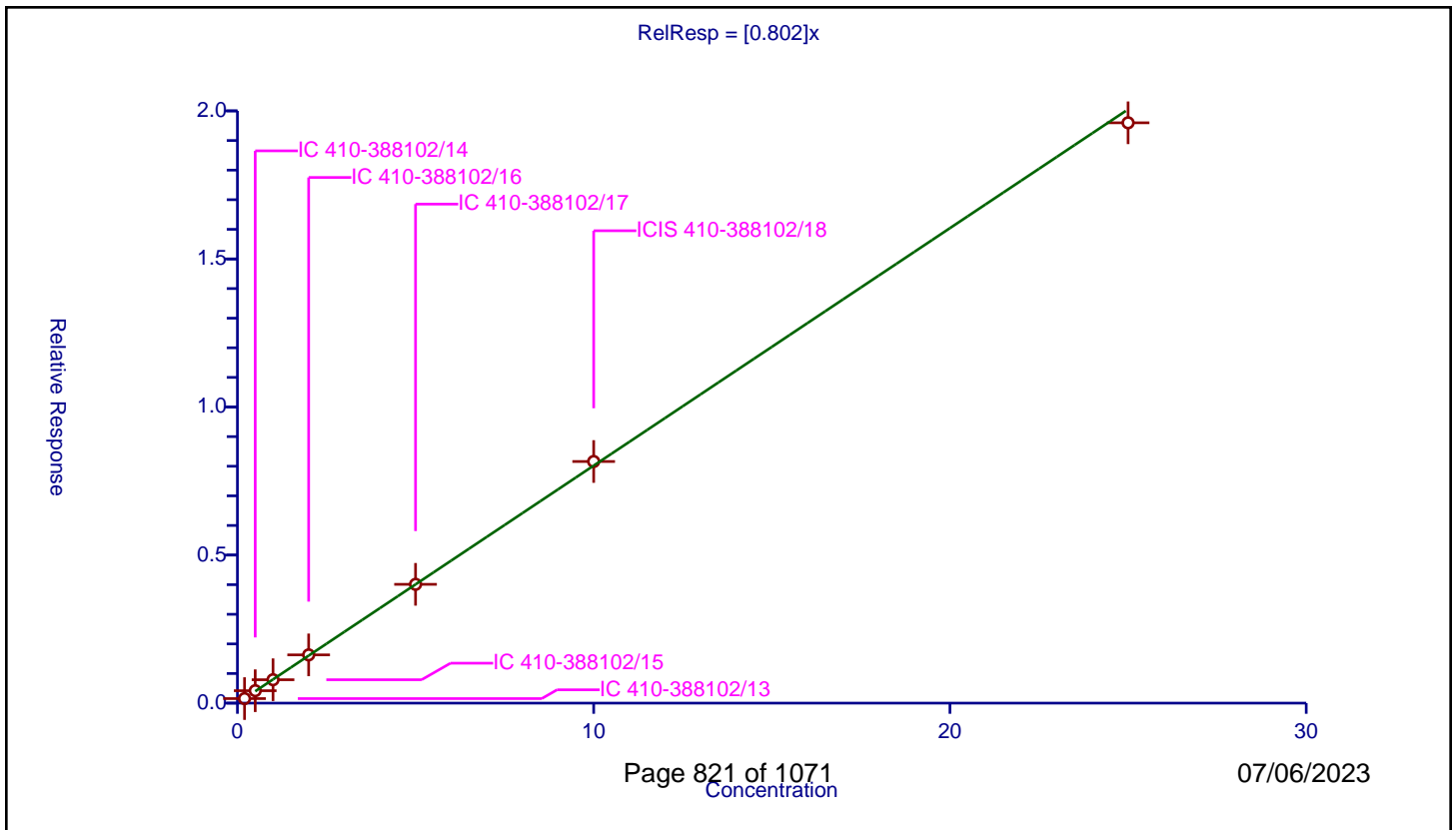
/ Tert-butyl ethyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.802

Error Coefficients	
Standard Error:	1660000
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 410-388102/13	0.2	0.153708	10.0	1795291.0	0.768538	Y
2	IC 410-388102/14	0.5	0.419258	10.0	1753956.0	0.838516	Y
3	IC 410-388102/15	1.0	0.790144	10.0	1790586.0	0.790144	Y
4	IC 410-388102/16	2.0	1.629682	10.0	1802566.0	0.814841	Y
5	IC 410-388102/17	5.0	4.011487	10.0	1860774.0	0.802297	Y
6	ICIS 410-388102/18	10.0	8.160119	10.0	1807671.0	0.816012	Y
7	IC 410-388102/19	25.0	19.597851	10.0	1891215.0	0.783914	Y



Calibration

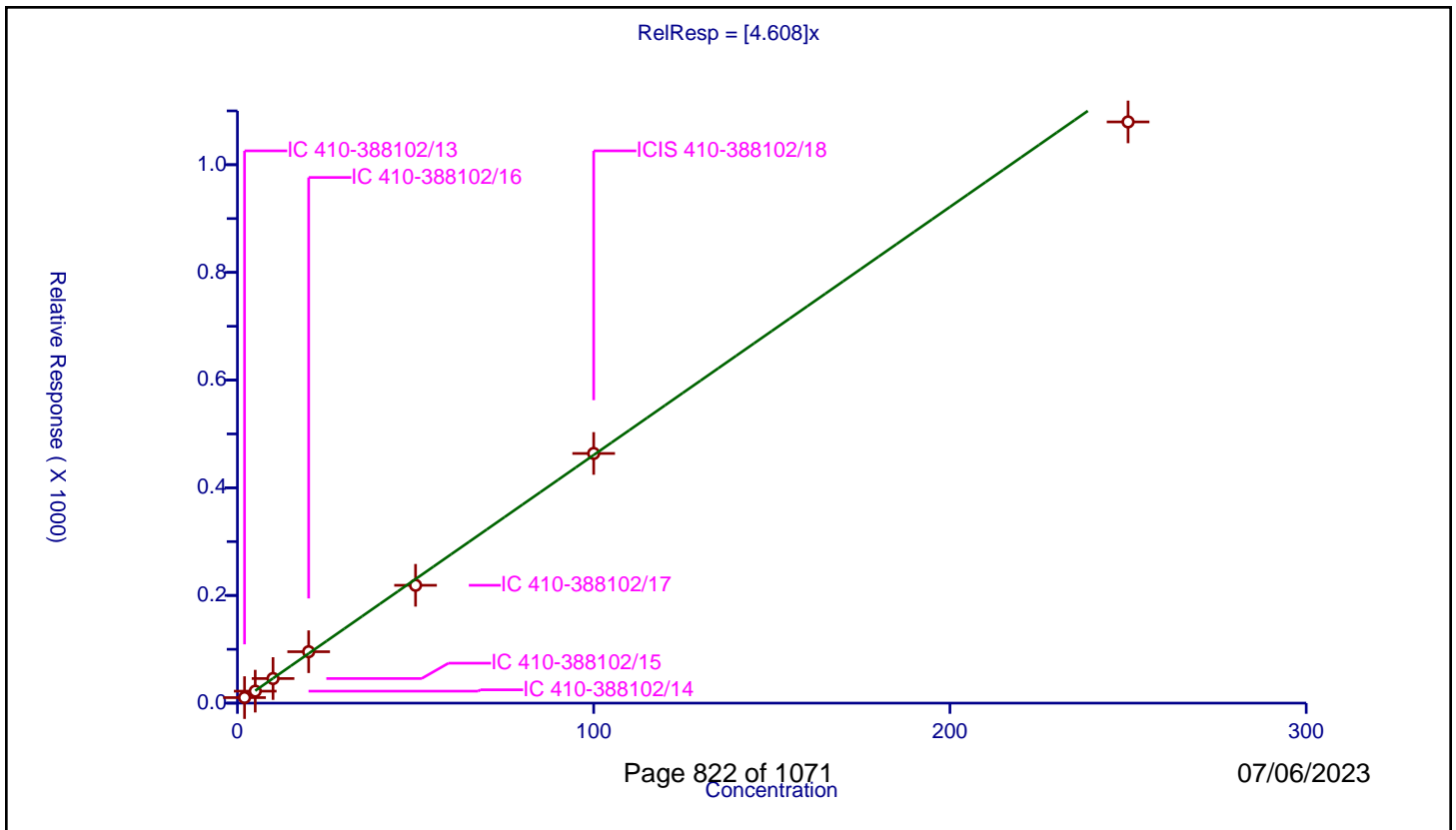
/ 2-Butanone (MEK)

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

Curve Coefficients	
Intercept:	0
Slope:	4.608

Error Coefficients	
Standard Error:	1320000
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 410-388102/13	2.0	10.264398	50.0	116680.0	5.132199	Y
2	IC 410-388102/14	5.0	22.248826	50.0	132398.0	4.449765	Y
3	IC 410-388102/15	10.0	45.676313	50.0	133555.0	4.567631	Y
4	IC 410-388102/16	20.0	95.486294	50.0	127135.0	4.774315	Y
5	IC 410-388102/17	50.0	218.872871	50.0	139221.0	4.377457	Y
6	ICIS 410-388102/18	100.0	463.728159	50.0	130775.0	4.637282	Y
7	IC 410-388102/19	250.0	1079.521292	50.0	134884.0	4.318085	Y



Calibration

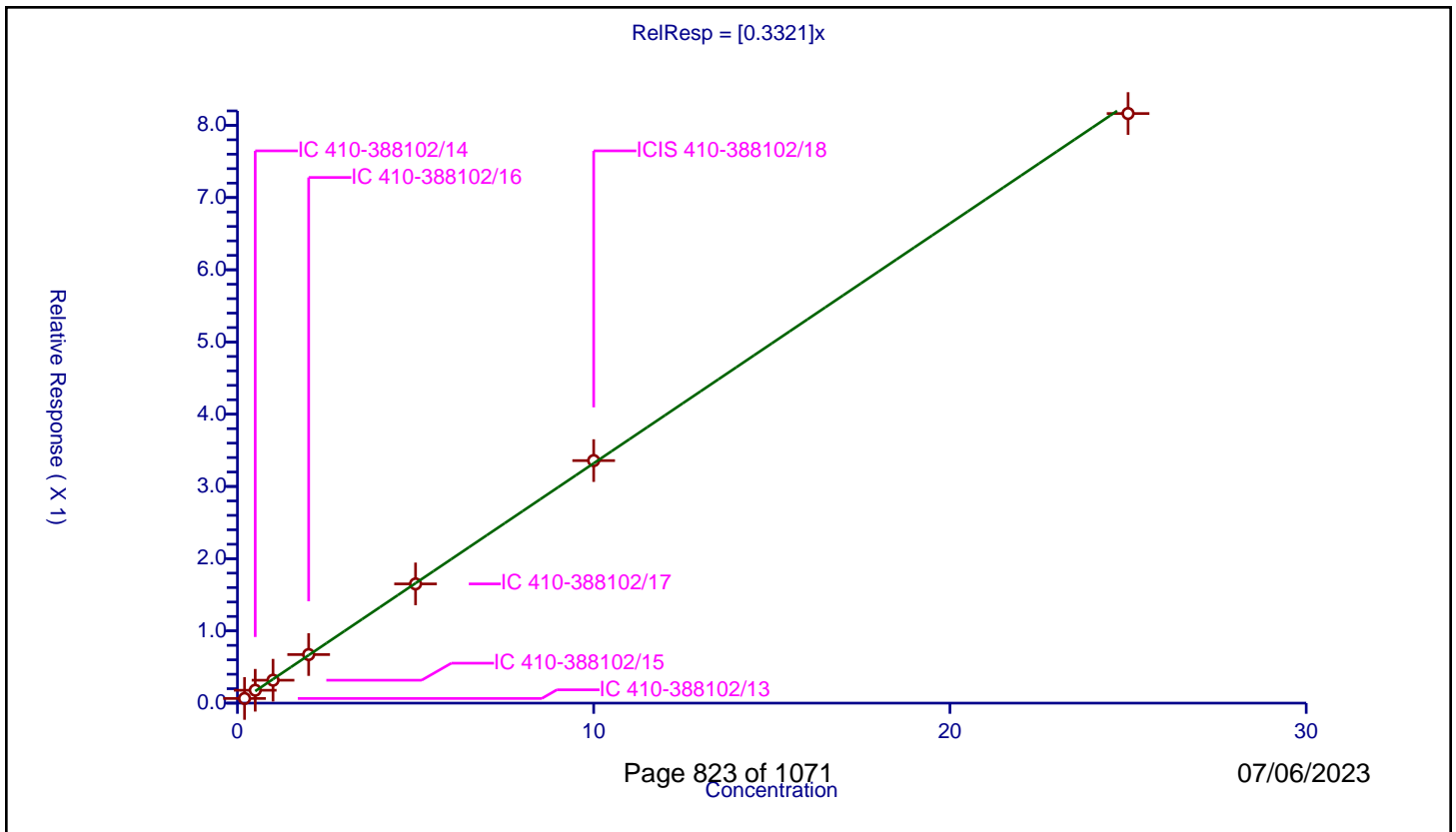
/ cis-1,2-Dichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.3321

Error Coefficients	
Standard Error:	691000
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 410-388102/13	0.2	0.064302	10.0	1795291.0	0.321508	Y
2	IC 410-388102/14	0.5	0.17834	10.0	1753956.0	0.356679	Y
3	IC 410-388102/15	1.0	0.317494	10.0	1790586.0	0.317494	Y
4	IC 410-388102/16	2.0	0.672586	10.0	1802566.0	0.336293	Y
5	IC 410-388102/17	5.0	1.65084	10.0	1860774.0	0.330168	Y
6	ICIS 410-388102/18	10.0	3.357984	10.0	1807671.0	0.335798	Y
7	IC 410-388102/19	25.0	8.163477	10.0	1891215.0	0.326539	Y



Calibration

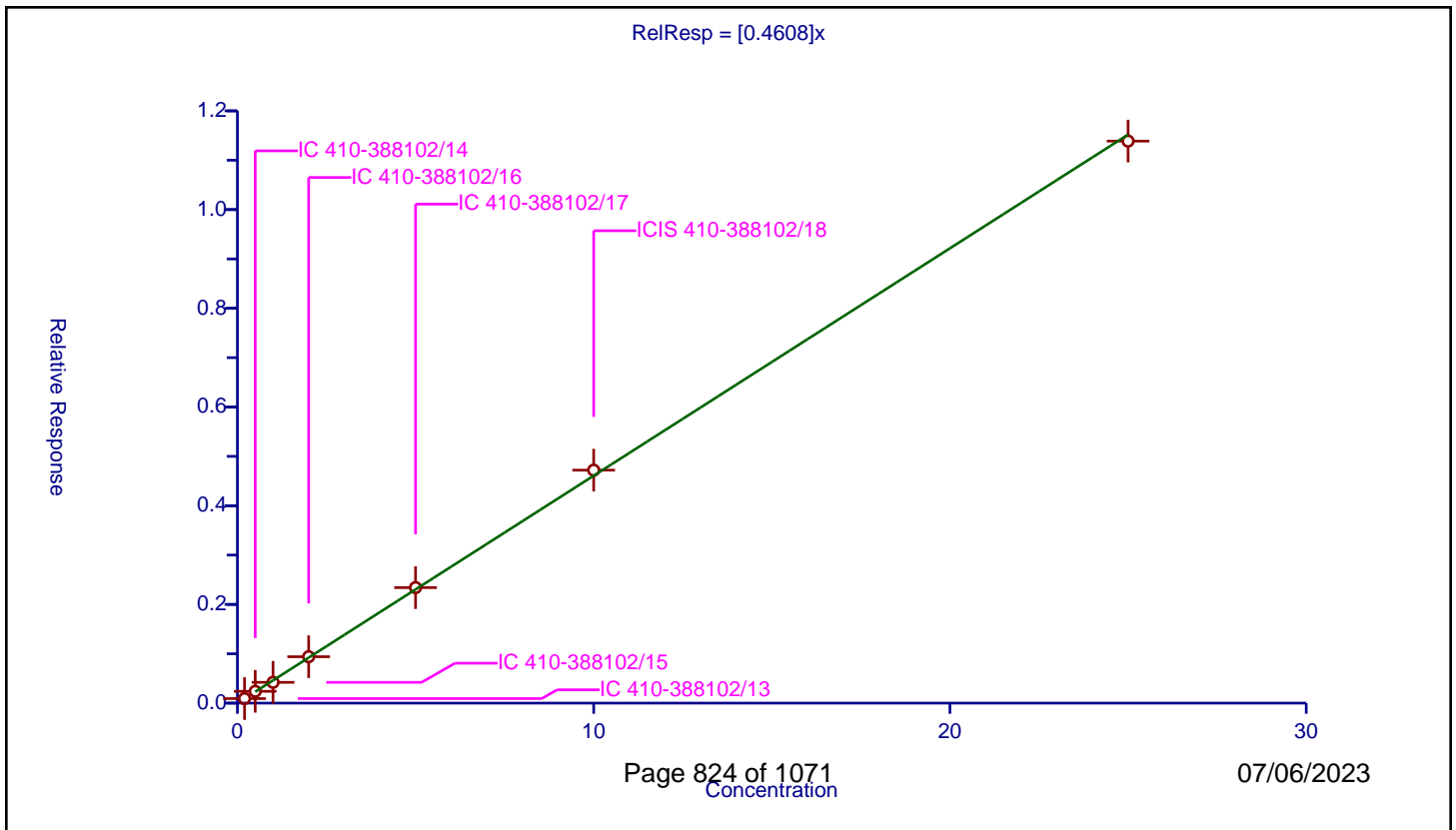
/ 2,2-Dichloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4608

Error Coefficients	
Standard Error:	965000
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 410-388102/13	0.2	0.091963	10.0	1795291.0	0.459814	Y
2	IC 410-388102/14	0.5	0.239139	10.0	1753956.0	0.478279	Y
3	IC 410-388102/15	1.0	0.42146	10.0	1790586.0	0.42146	Y
4	IC 410-388102/16	2.0	0.940243	10.0	1802566.0	0.470121	Y
5	IC 410-388102/17	5.0	2.340752	10.0	1860774.0	0.46815	Y
6	ICIS 410-388102/18	10.0	4.720754	10.0	1807671.0	0.472075	Y
7	IC 410-388102/19	25.0	11.387886	10.0	1891215.0	0.455515	Y



Calibration

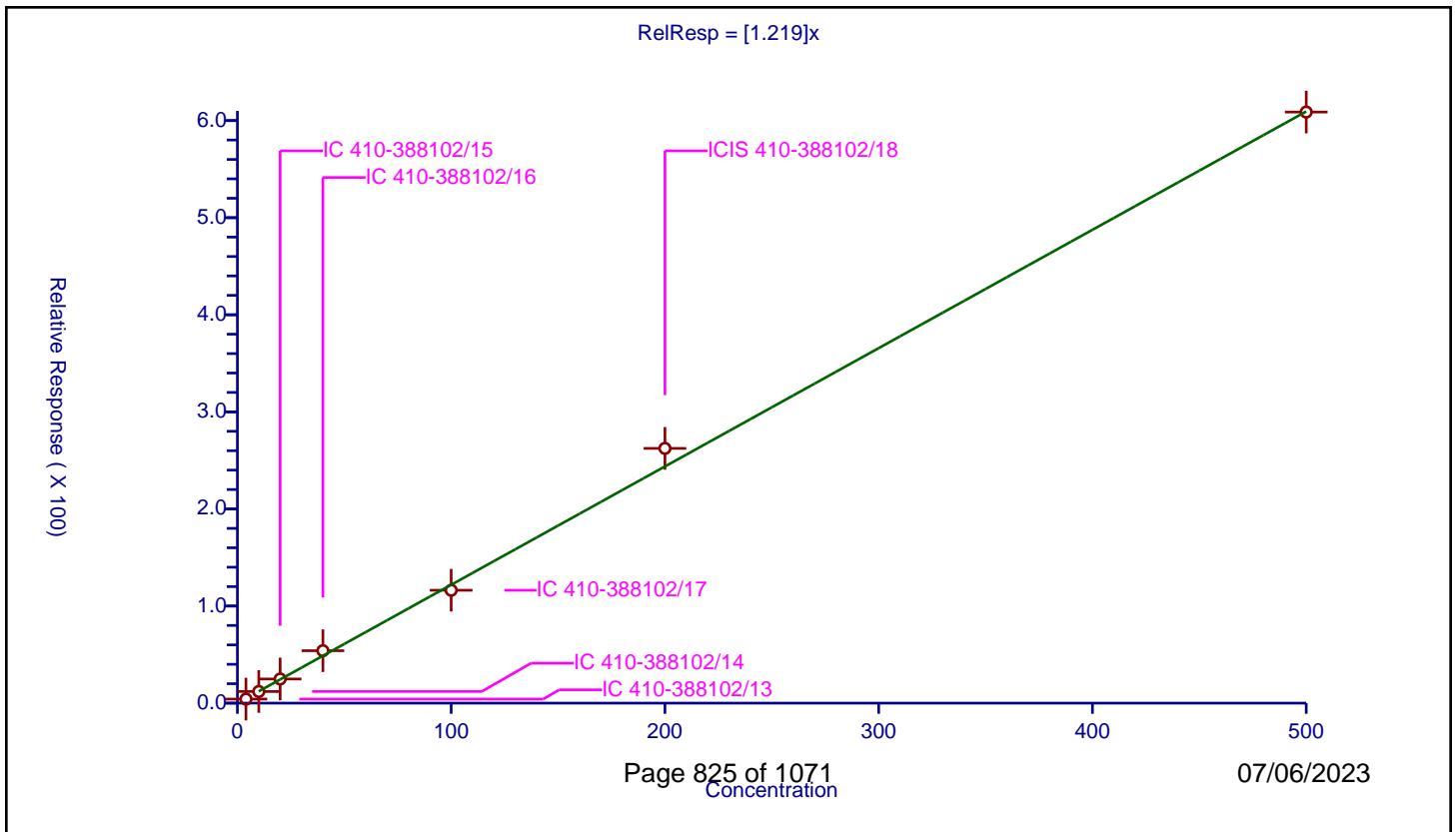
/ Propionitrile

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

Curve Coefficients	
Intercept:	0
Slope:	1.219

Error Coefficients	
Standard Error:	741000
Relative Standard Error:	8.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	4.0	4.192235	50.0	116680.0	1.048059	Y
2	IC 410-388102/14	10.0	11.976767	50.0	132398.0	1.197677	Y
3	IC 410-388102/15	20.0	24.872899	50.0	133555.0	1.243645	Y
4	IC 410-388102/16	40.0	54.000079	50.0	127135.0	1.350002	Y
5	IC 410-388102/17	100.0	116.266224	50.0	139221.0	1.162662	Y
6	ICIS 410-388102/18	200.0	262.363984	50.0	130775.0	1.31182	Y
7	IC 410-388102/19	500.0	608.780878	50.0	134884.0	1.217562	Y



Calibration

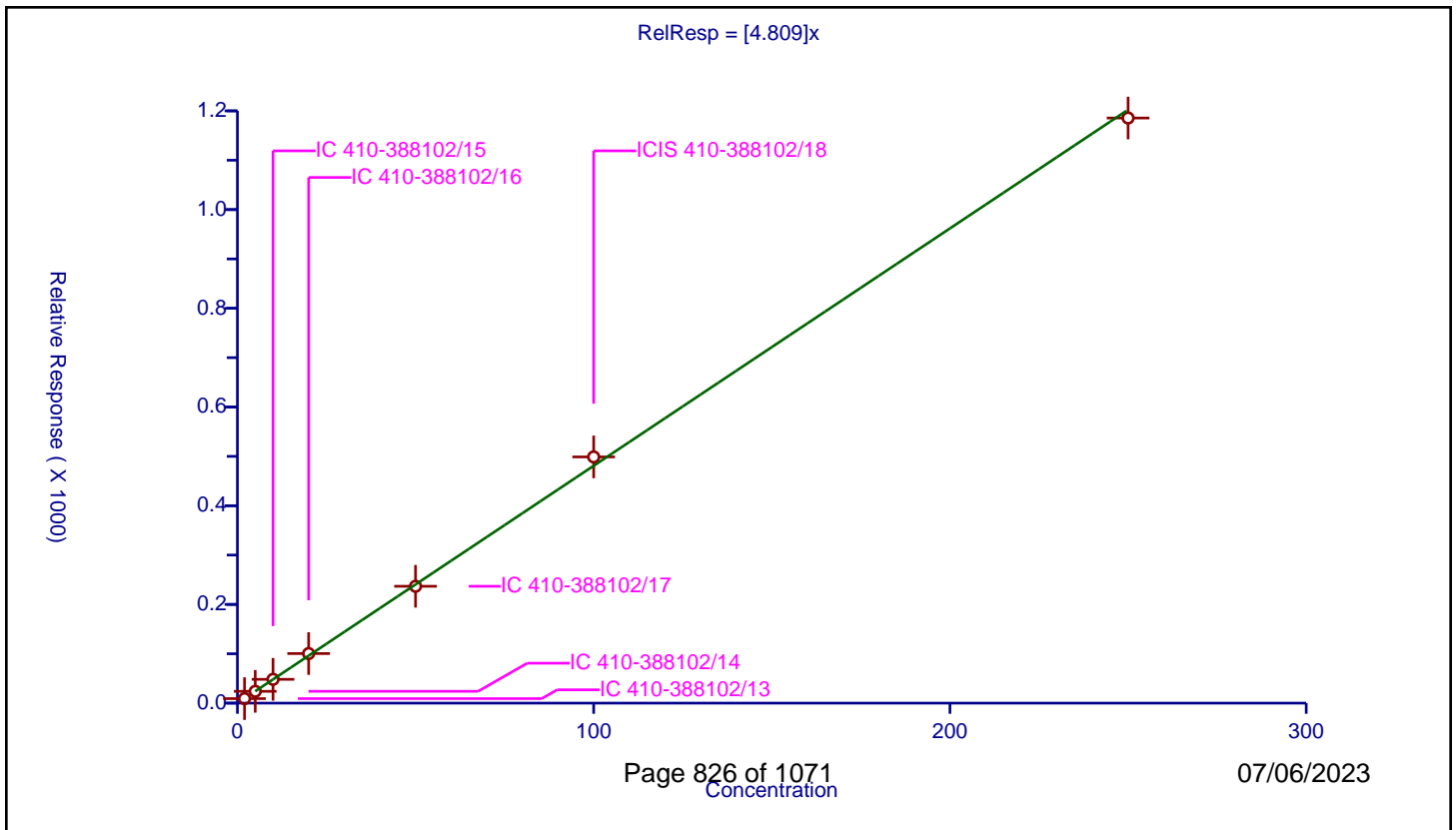
/ Methacrylonitrile

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

Curve Coefficients	
Intercept:	0
Slope:	4.809

Error Coefficients	
Standard Error:	1440000
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 410-388102/13	2.0	9.1271	50.0	116680.0	4.56355	Y
2	IC 410-388102/14	5.0	23.958821	50.0	132398.0	4.791764	Y
3	IC 410-388102/15	10.0	48.209726	50.0	133555.0	4.820973	Y
4	IC 410-388102/16	20.0	100.431431	50.0	127135.0	5.021572	Y
5	IC 410-388102/17	50.0	236.784321	50.0	139221.0	4.735686	Y
6	ICIS 410-388102/18	100.0	498.904225	50.0	130775.0	4.989042	Y
7	IC 410-388102/19	250.0	1185.557961	50.0	134884.0	4.742232	Y



Calibration

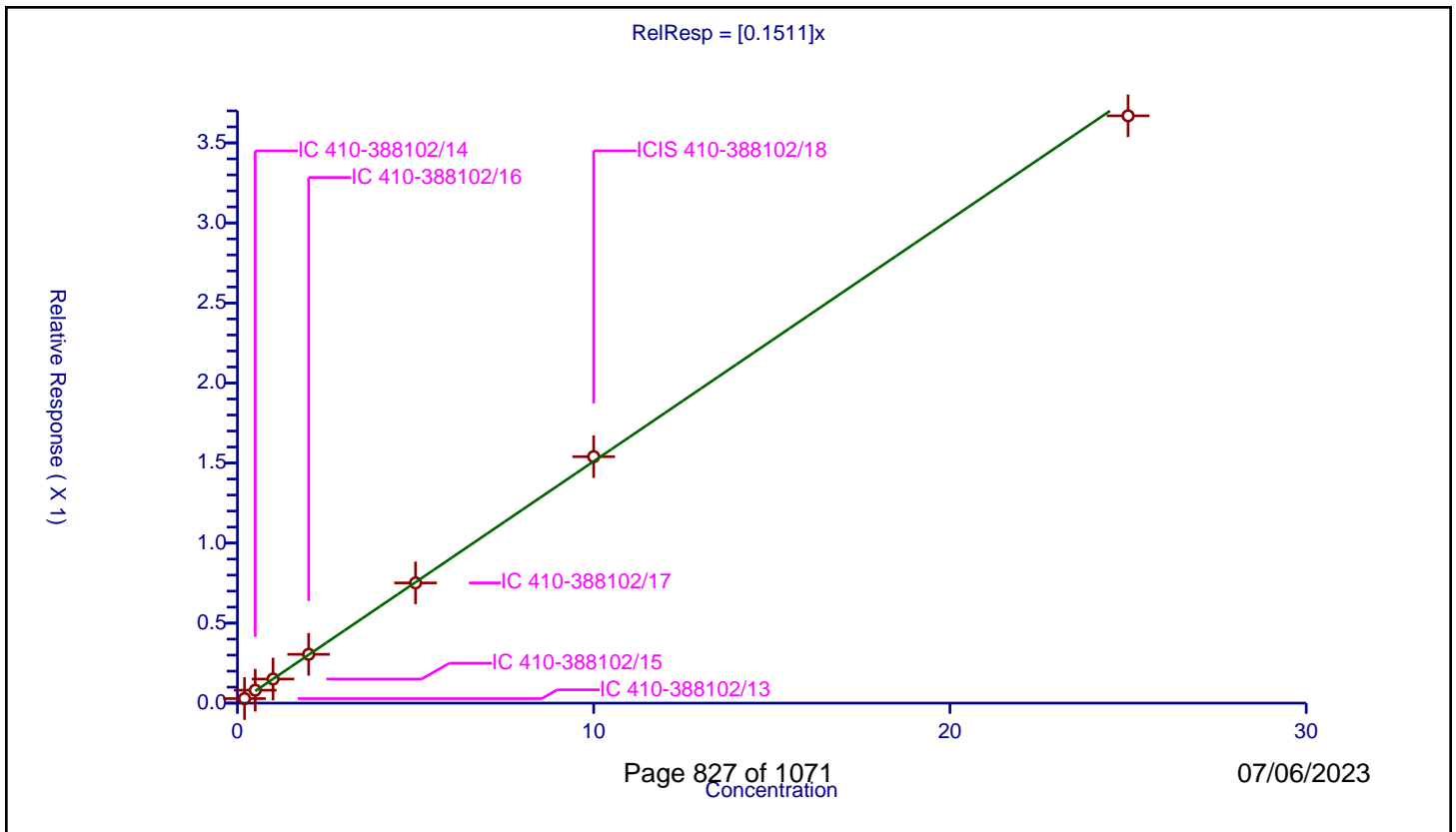
/ Chlorobromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.1511

Error Coefficients	
Standard Error:	312000
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 410-388102/13	0.2	0.028397	10.0	1795291.0	0.141983	Y
2	IC 410-388102/14	0.5	0.080823	10.0	1753956.0	0.161646	Y
3	IC 410-388102/15	1.0	0.150431	10.0	1790586.0	0.150431	Y
4	IC 410-388102/16	2.0	0.304882	10.0	1802566.0	0.152441	Y
5	IC 410-388102/17	5.0	0.751026	10.0	1860774.0	0.150205	Y
6	ICIS 410-388102/18	10.0	1.539893	10.0	1807671.0	0.153989	Y
7	IC 410-388102/19	25.0	3.669154	10.0	1891215.0	0.146766	Y



Calibration

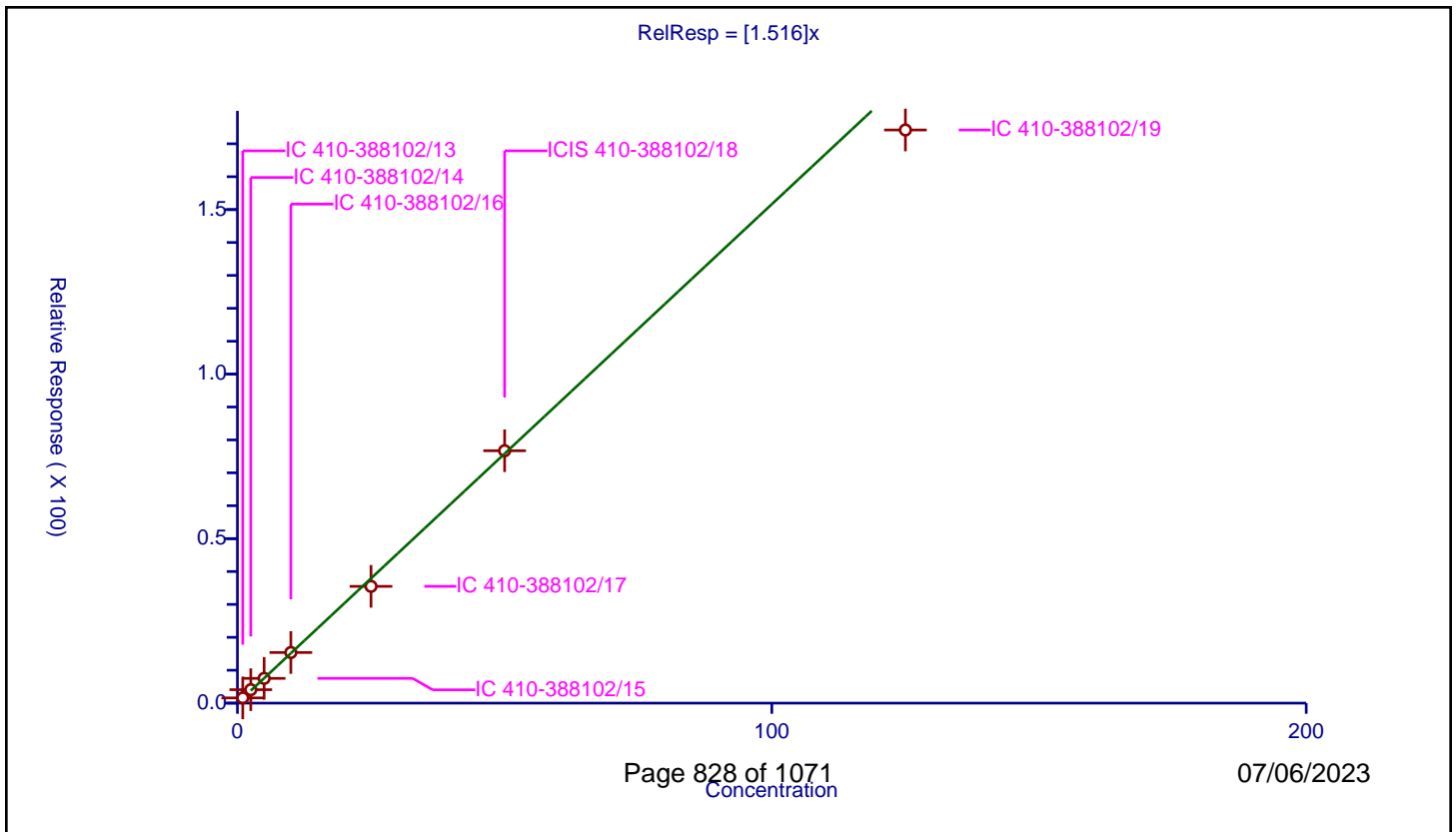
/ Tetrahydrofuran

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

Curve Coefficients	
Intercept:	0
Slope:	1.516

Error Coefficients	
Standard Error:	213000
Relative Standard Error:	5.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	1.0	1.591104	50.0	116680.0	1.591104	Y
2	IC 410-388102/14	2.5	4.082766	50.0	132398.0	1.633106	Y
3	IC 410-388102/15	5.0	7.523118	50.0	133555.0	1.504624	Y
4	IC 410-388102/16	10.0	15.387187	50.0	127135.0	1.538719	Y
5	IC 410-388102/17	25.0	35.490336	50.0	139221.0	1.419613	Y
6	ICIS 410-388102/18	50.0	76.712292	50.0	130775.0	1.534246	Y
7	IC 410-388102/19	125.0	174.197459	50.0	134884.0	1.39358	Y



Calibration

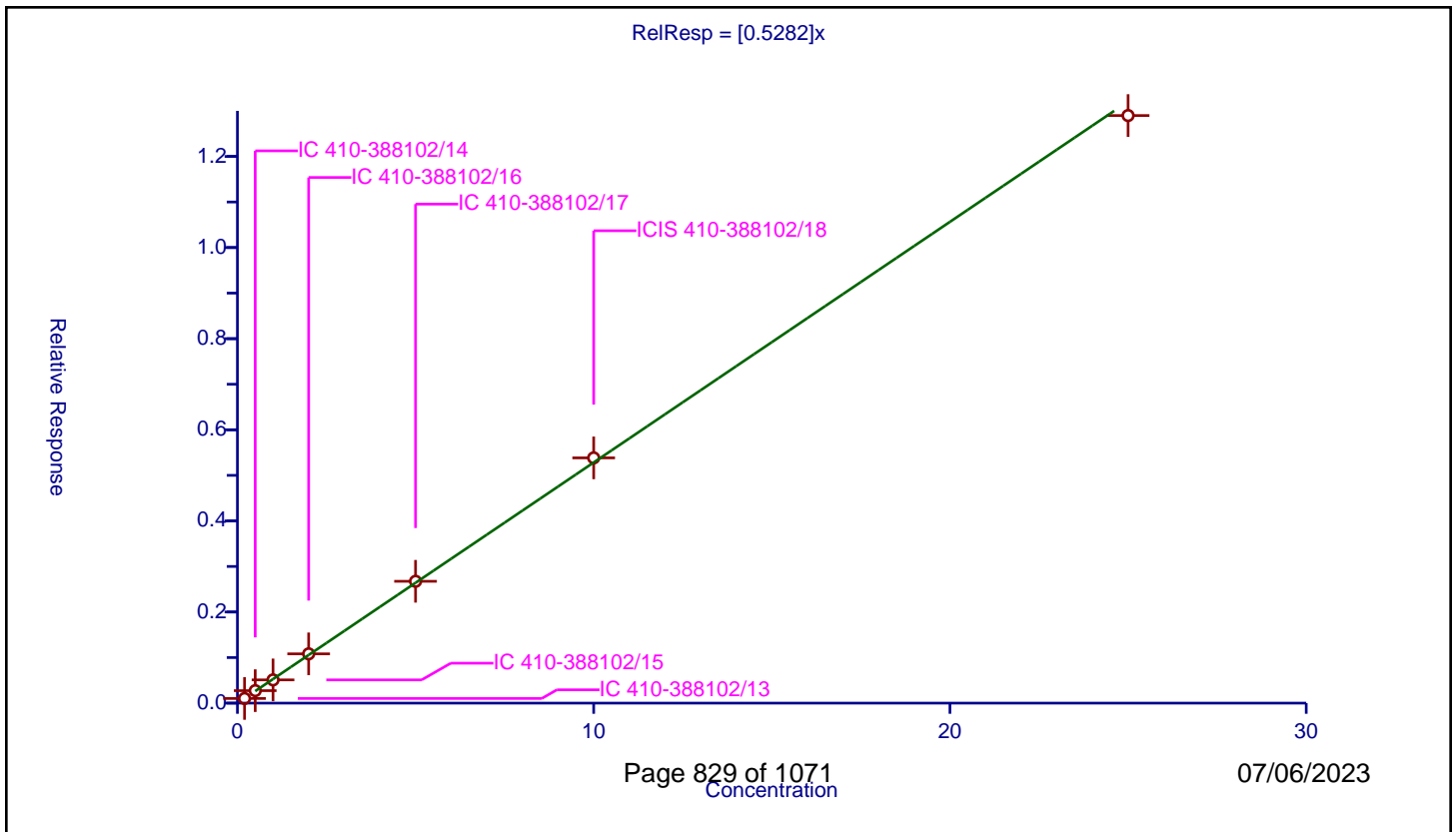
/ Chloroform

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

Curve Coefficients	
Intercept:	0
Slope:	0.5282

Error Coefficients	
Standard Error:	1090000
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 410-388102/13	0.2	0.101967	10.0	1795291.0	0.509834	Y
2	IC 410-388102/14	0.5	0.273713	10.0	1753956.0	0.547425	Y
3	IC 410-388102/15	1.0	0.510241	10.0	1790586.0	0.510241	Y
4	IC 410-388102/16	2.0	1.081991	10.0	1802566.0	0.540995	Y
5	IC 410-388102/17	5.0	2.674167	10.0	1860774.0	0.534833	Y
6	ICIS 410-388102/18	10.0	5.383275	10.0	1807671.0	0.538327	Y
7	IC 410-388102/19	25.0	12.897952	10.0	1891215.0	0.515918	Y



Calibration

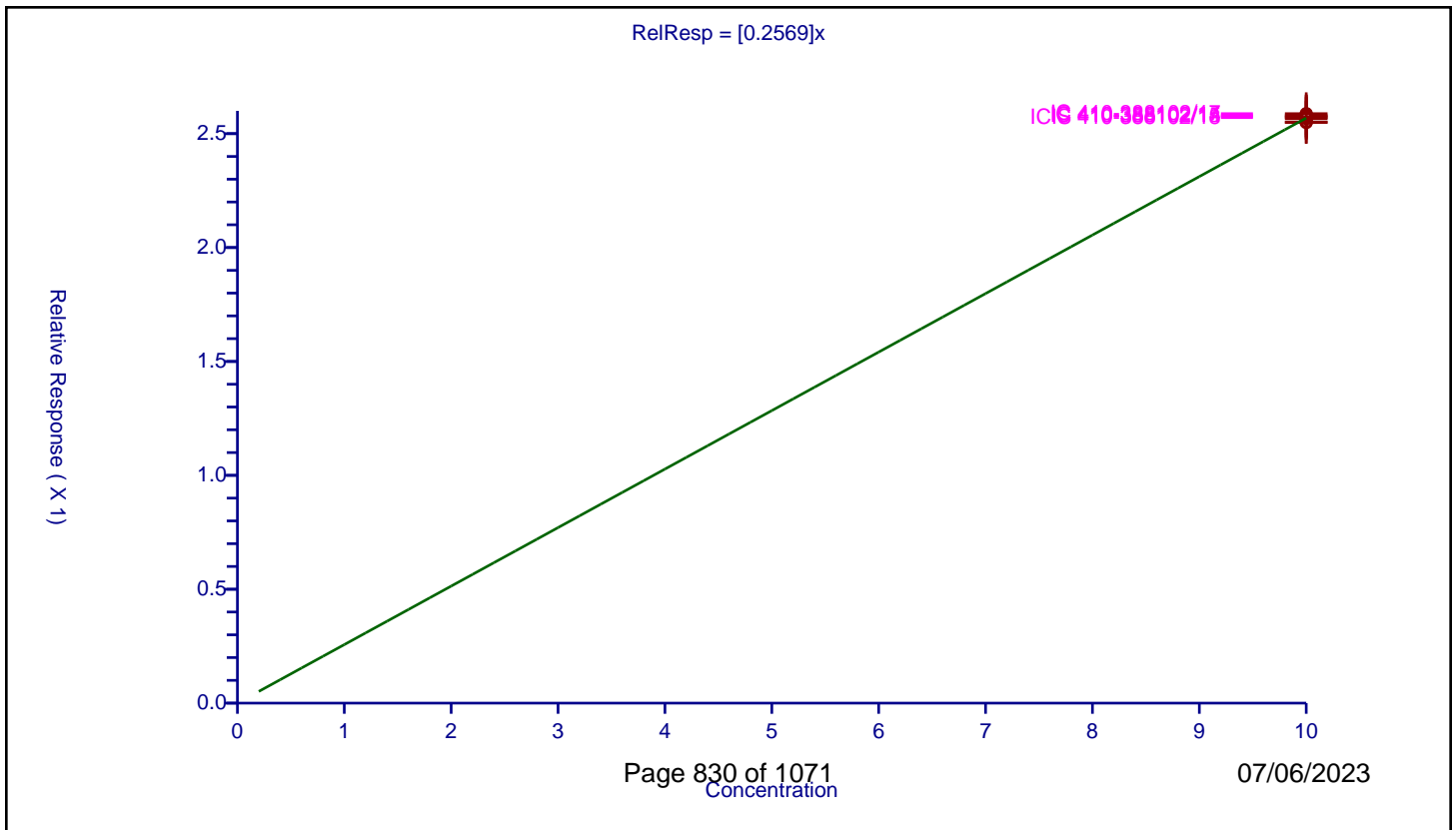
/ Dibromofluoromethane (Surr)

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

Curve Coefficients	
Intercept:	0
Slope:	0.2569

Error Coefficients	
Standard Error:	504000
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 410-388102/13	10.0	2.565879	10.0	1795291.0	0.256588	Y
2	IC 410-388102/14	10.0	2.579084	10.0	1753956.0	0.257908	Y
3	IC 410-388102/15	10.0	2.576352	10.0	1790586.0	0.257635	Y
4	IC 410-388102/16	10.0	2.551285	10.0	1802566.0	0.255129	Y
5	IC 410-388102/17	10.0	2.587896	10.0	1860774.0	0.25879	Y
6	ICIS 410-388102/18	10.0	2.570451	10.0	1807671.0	0.257045	Y
7	IC 410-388102/19	10.0	2.549023	10.0	1891215.0	0.254902	Y



Calibration

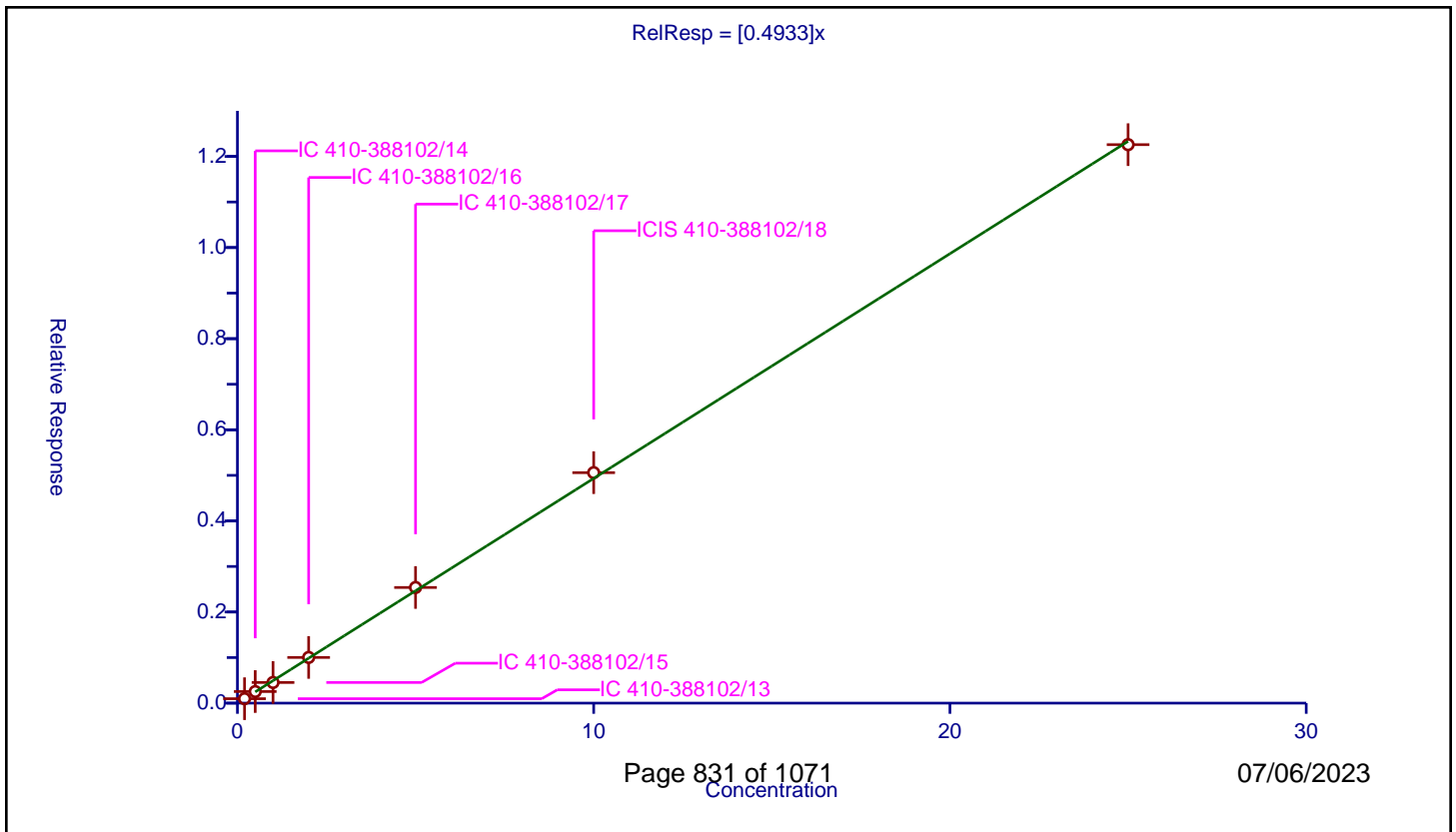
/ 1,1,1-Trichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4933

Error Coefficients	
Standard Error:	1040000
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 410-388102/13	0.2	0.097121	10.0	1795291.0	0.485604	Y
2	IC 410-388102/14	0.5	0.254317	10.0	1753956.0	0.508633	Y
3	IC 410-388102/15	1.0	0.45322	10.0	1790586.0	0.45322	Y
4	IC 410-388102/16	2.0	1.002898	10.0	1802566.0	0.501449	Y
5	IC 410-388102/17	5.0	2.538551	10.0	1860774.0	0.50771	Y
6	ICIS 410-388102/18	10.0	5.058813	10.0	1807671.0	0.505881	Y
7	IC 410-388102/19	25.0	12.258855	10.0	1891215.0	0.490354	Y



Calibration

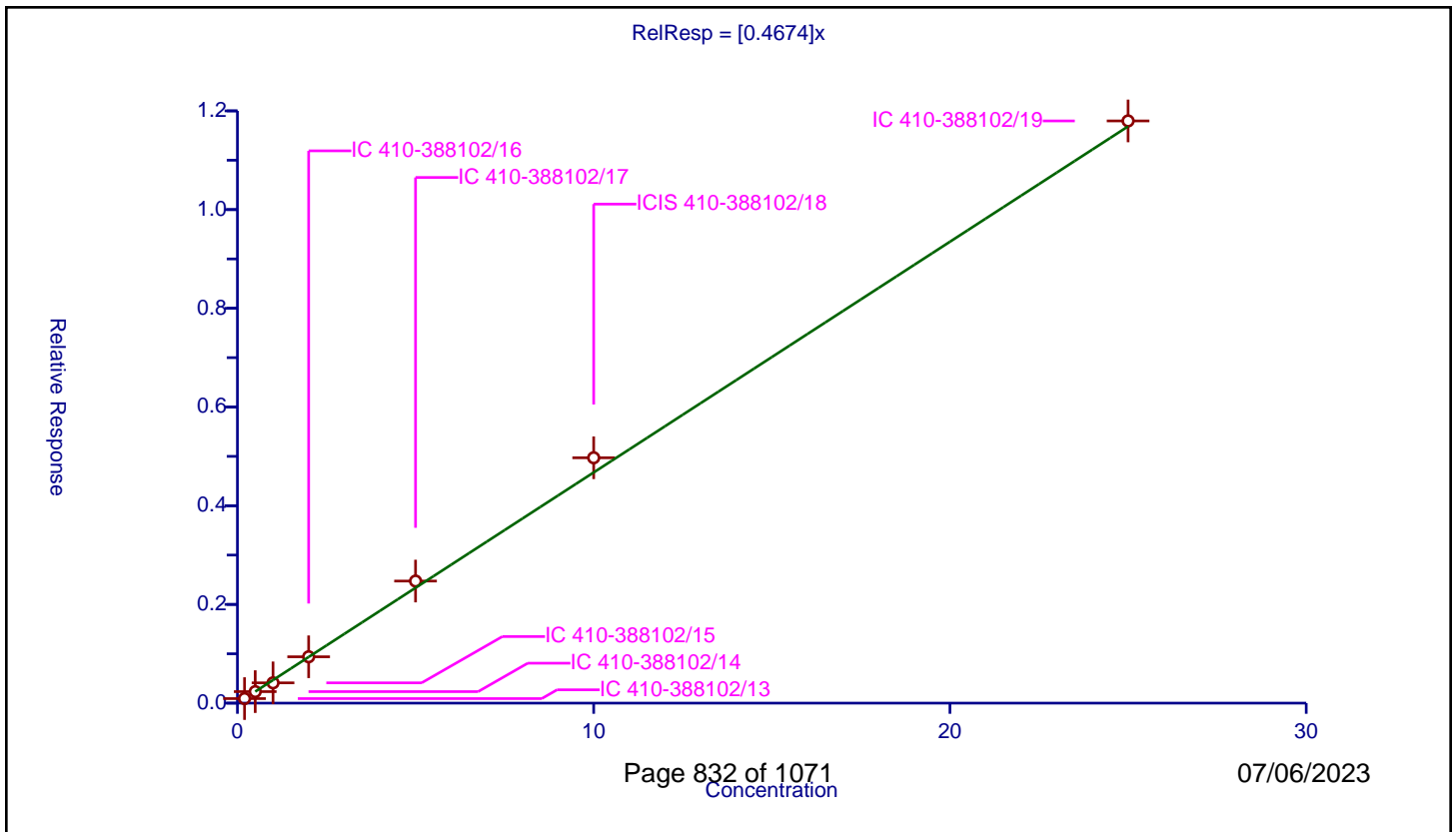
/ Cyclohexane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4674

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 410-388102/13	0.2	0.092241	10.0	1795291.0	0.461207	Y
2	IC 410-388102/14	0.5	0.233176	10.0	1753956.0	0.466351	Y
3	IC 410-388102/15	1.0	0.411184	10.0	1790586.0	0.411184	Y
4	IC 410-388102/16	2.0	0.939194	10.0	1802566.0	0.469597	Y
5	IC 410-388102/17	5.0	2.473272	10.0	1860774.0	0.494654	Y
6	ICIS 410-388102/18	10.0	4.971292	10.0	1807671.0	0.497129	Y
7	IC 410-388102/19	25.0	11.796607	10.0	1891215.0	0.471864	Y



Calibration

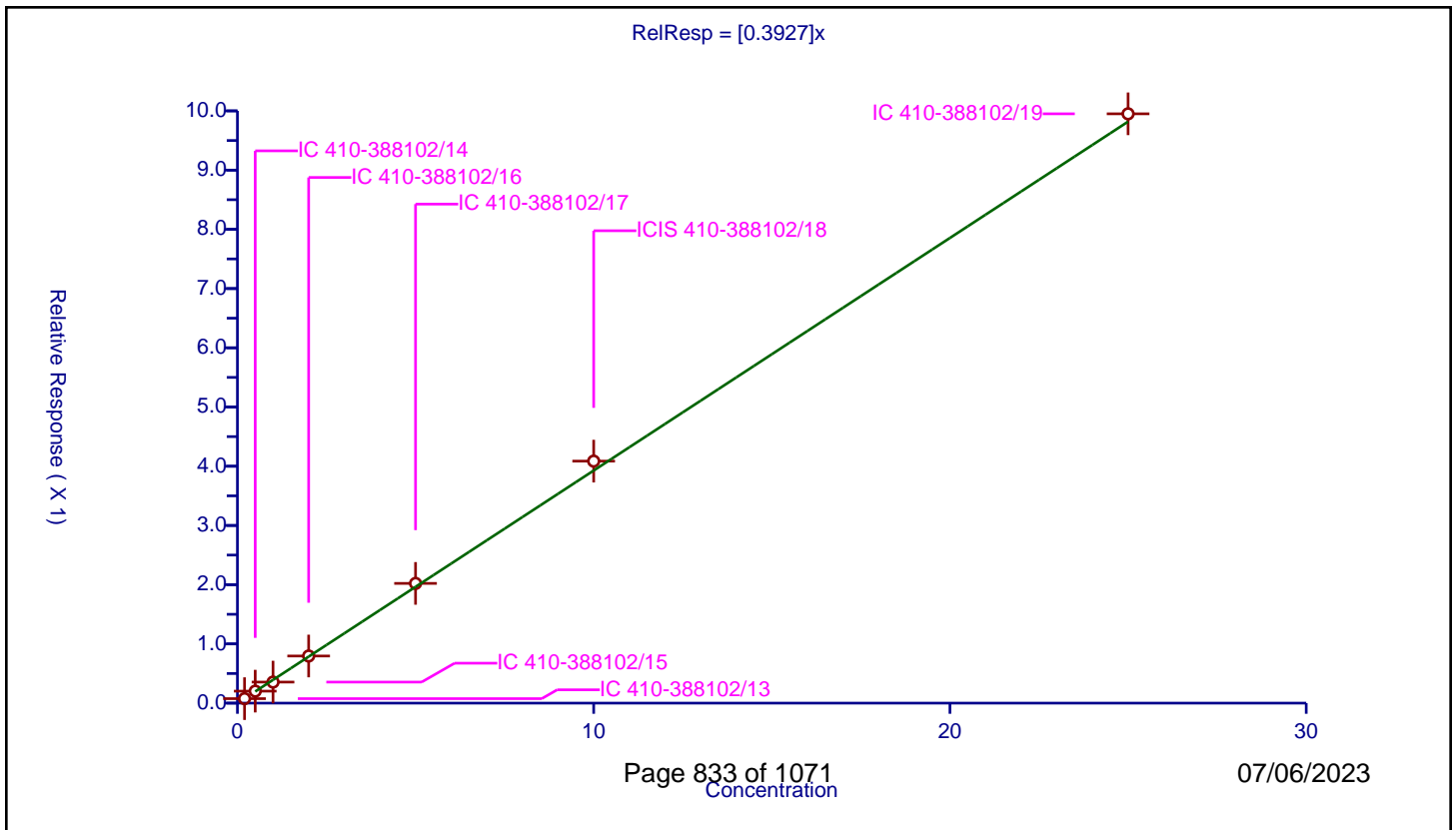
/ 1,1-Dichloropropene

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

Curve Coefficients	
Intercept:	0
Slope:	0.3927

Error Coefficients	
Standard Error:	842000
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 410-388102/13	0.2	0.075943	10.0	1795291.0	0.379716	Y
2	IC 410-388102/14	0.5	0.202536	10.0	1753956.0	0.405073	Y
3	IC 410-388102/15	1.0	0.355392	10.0	1790586.0	0.355392	Y
4	IC 410-388102/16	2.0	0.795982	10.0	1802566.0	0.397991	Y
5	IC 410-388102/17	5.0	2.021449	10.0	1860774.0	0.40429	Y
6	ICIS 410-388102/18	10.0	4.086169	10.0	1807671.0	0.408617	Y
7	IC 410-388102/19	25.0	9.950476	10.0	1891215.0	0.398019	Y



Calibration

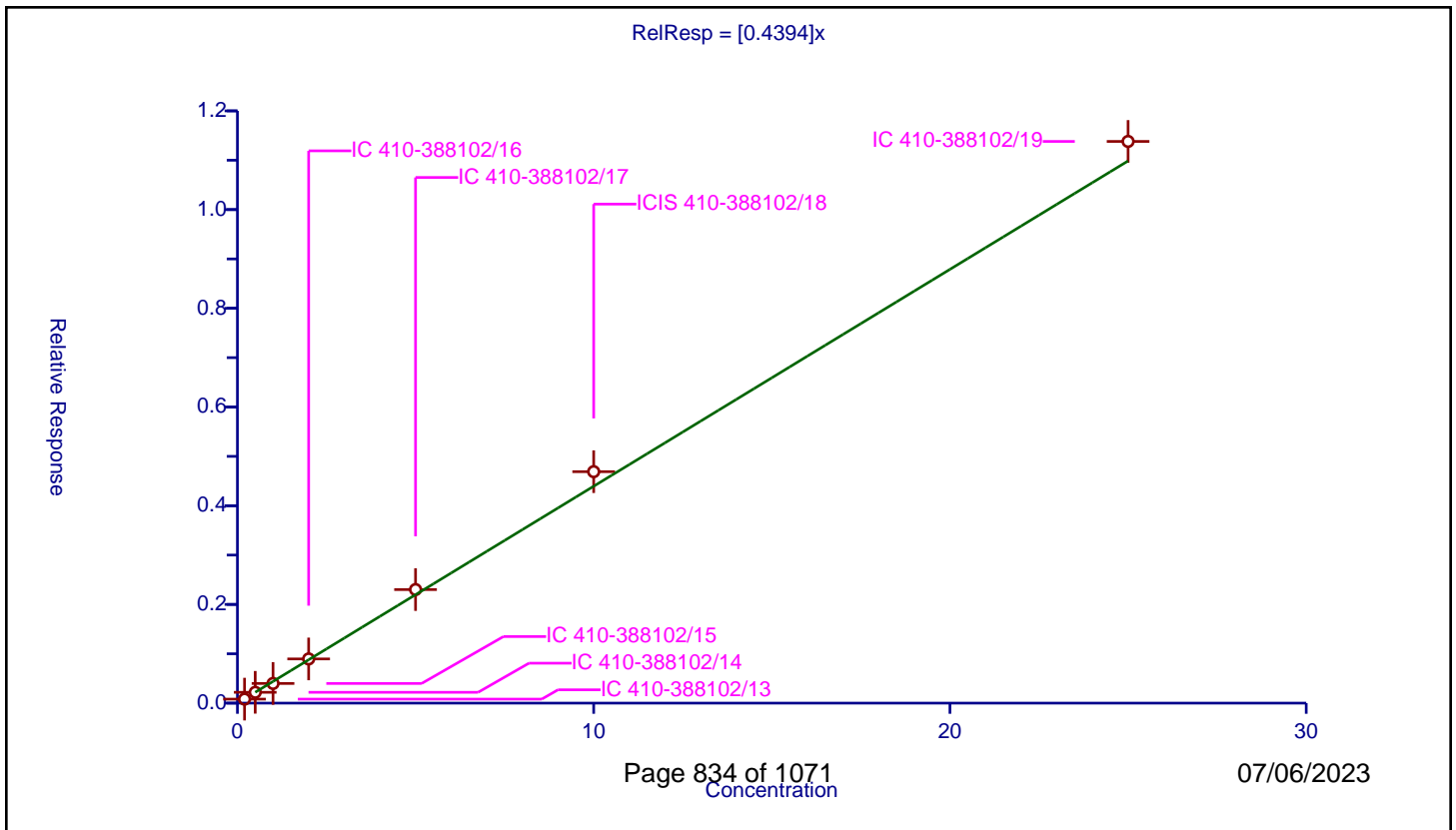
/ Carbon tetrachloride

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

Curve Coefficients	
Intercept:	0
Slope:	0.4394

Error Coefficients	
Standard Error:	963000
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 410-388102/13	0.2	0.081385	10.0	1795291.0	0.406926	Y
2	IC 410-388102/14	0.5	0.219133	10.0	1753956.0	0.438266	Y
3	IC 410-388102/15	1.0	0.398685	10.0	1790586.0	0.398685	Y
4	IC 410-388102/16	2.0	0.895584	10.0	1802566.0	0.447792	Y
5	IC 410-388102/17	5.0	2.301053	10.0	1860774.0	0.460211	Y
6	ICIS 410-388102/18	10.0	4.690107	10.0	1807671.0	0.469011	Y
7	IC 410-388102/19	25.0	11.381133	10.0	1891215.0	0.455245	Y



Calibration

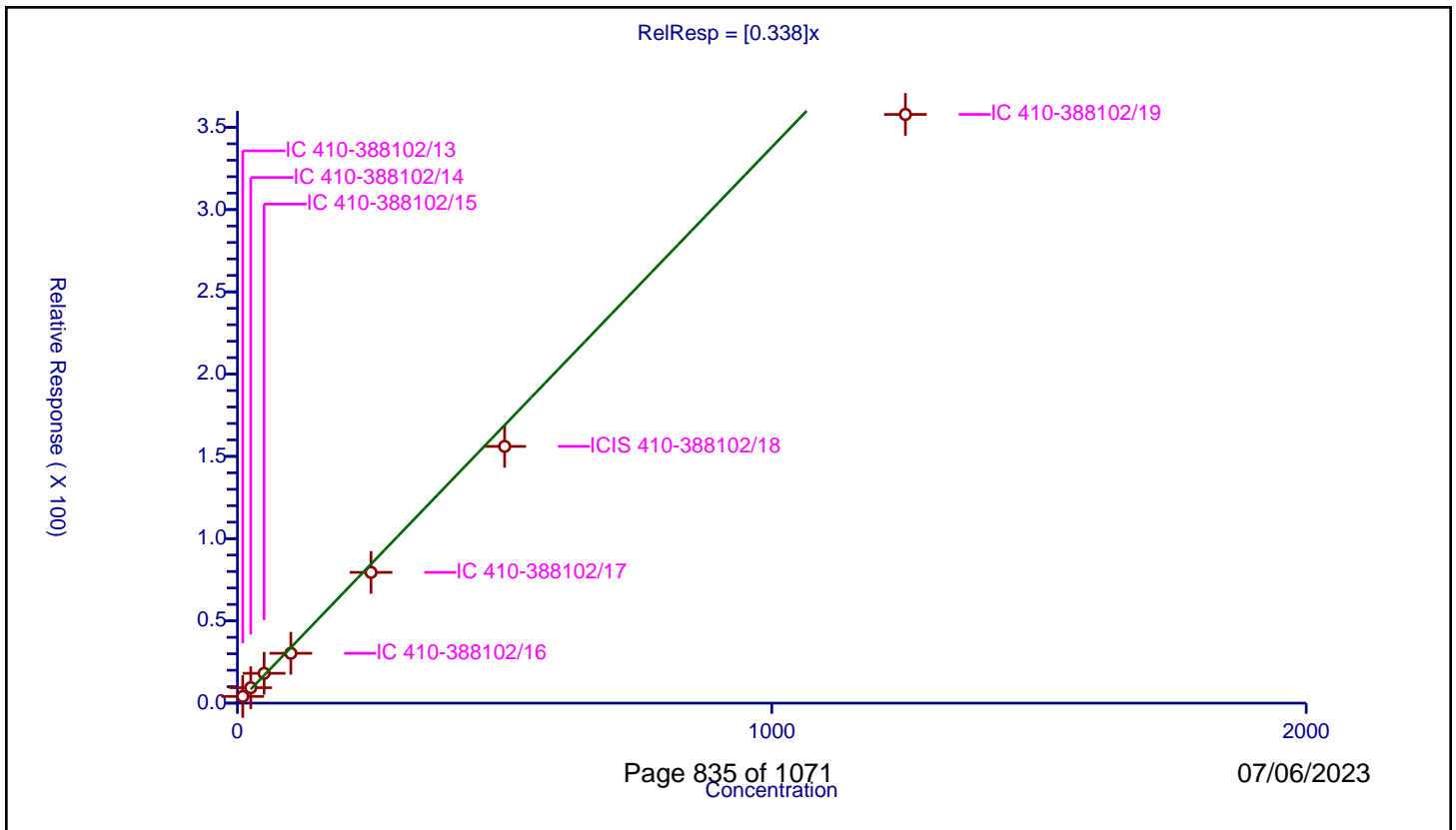
/ Isobutyl alcohol

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

Curve Coefficients	
Intercept:	0
Slope:	0.338

Error Coefficients	
Standard Error:	439000
Relative Standard Error:	13.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	10.0	4.091532	50.0	116680.0	0.409153	Y
2	IC 410-388102/14	25.0	9.369855	50.0	132398.0	0.374794	Y
3	IC 410-388102/15	50.0	18.125866	50.0	133555.0	0.362517	Y
4	IC 410-388102/16	100.0	30.291029	50.0	127135.0	0.30291	Y
5	IC 410-388102/17	250.0	79.482262	50.0	139221.0	0.317929	Y
6	ICIS 410-388102/18	500.0	156.063085	50.0	130775.0	0.312126	Y
7	IC 410-388102/19	1250.0	357.849708	50.0	134884.0	0.28628	Y



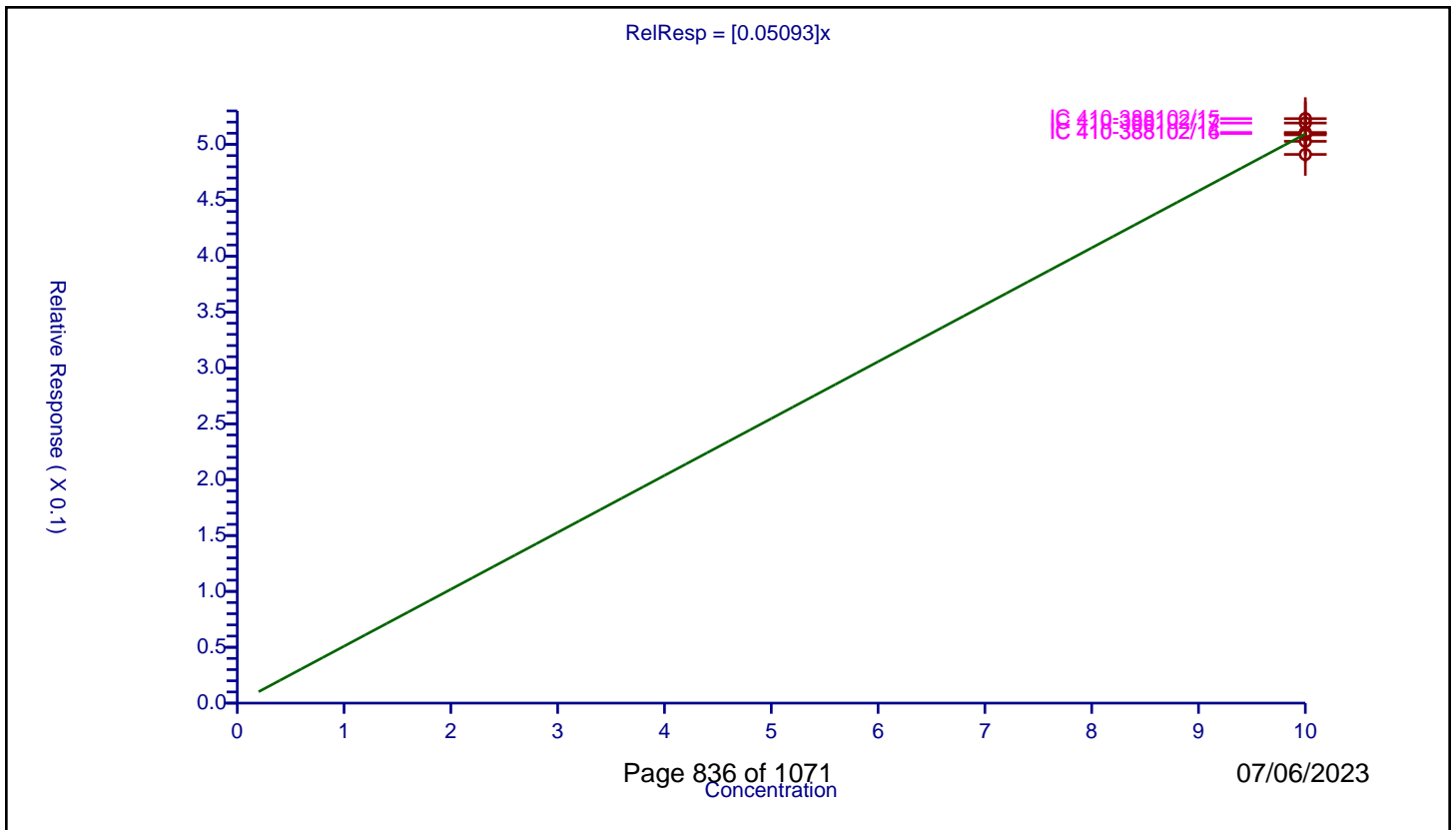
Calibration

/ 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:	0.05093
Error Coefficients	
Standard Error:	99800
Relative Standard Error:	2.1
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0.0000000000000000111

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	10.0	0.502771	10.0	1795291.0	0.050277	Y
2	IC 410-388102/14	10.0	0.509785	10.0	1753956.0	0.050978	Y
3	IC 410-388102/15	10.0	0.523063	10.0	1790586.0	0.052306	Y
4	IC 410-388102/16	10.0	0.510678	10.0	1802566.0	0.051068	Y
5	IC 410-388102/17	10.0	0.519139	10.0	1860774.0	0.051914	Y
6	ICIS 410-388102/18	10.0	0.508549	10.0	1807671.0	0.050855	Y
7	IC 410-388102/19	10.0	0.491044	10.0	1891215.0	0.049104	Y



Calibration

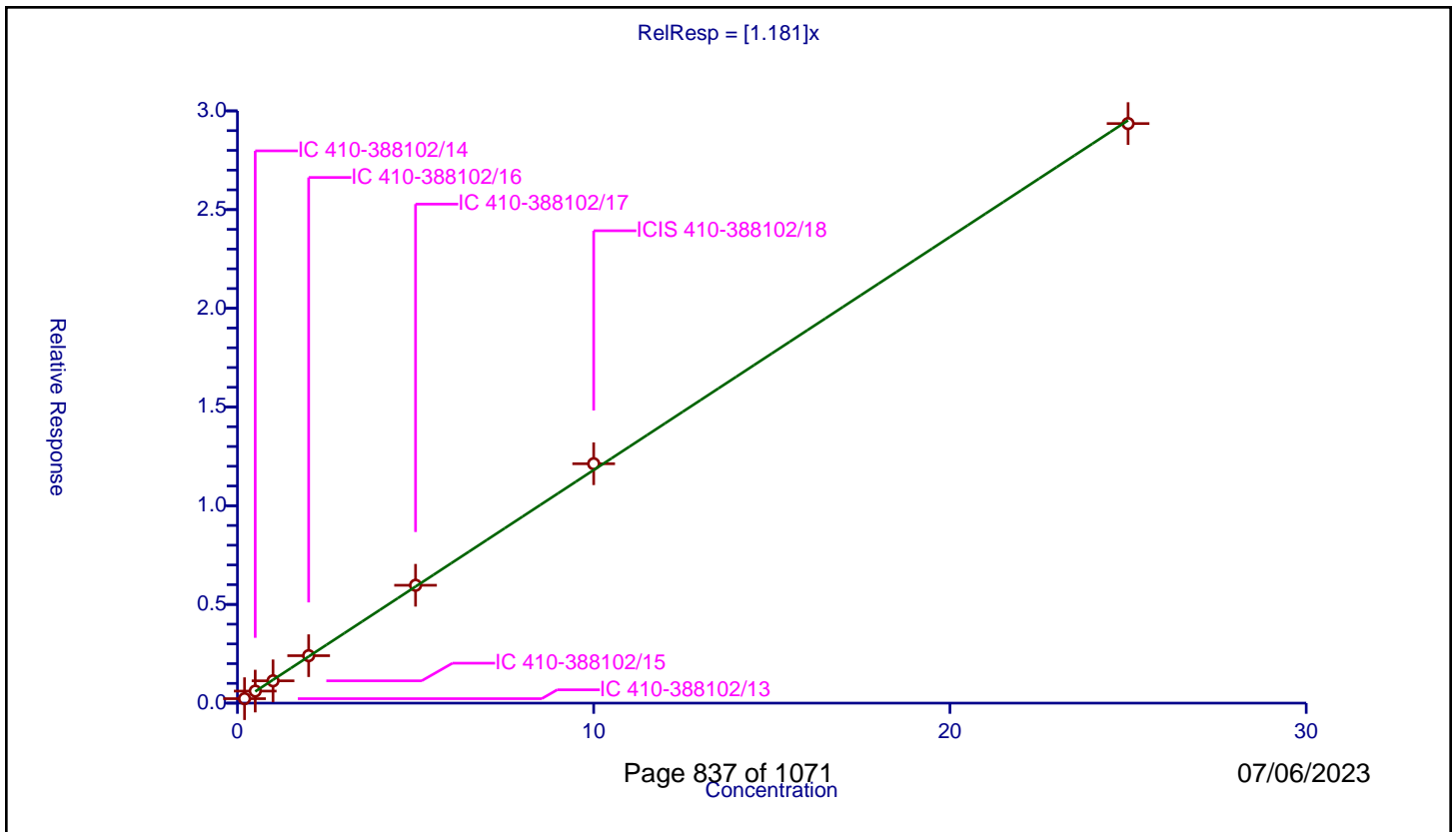
/ Benzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.181

Error Coefficients	
Standard Error:	2490000
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 410-388102/13	0.2	0.226476	10.0	1795291.0	1.132379	Y
2	IC 410-388102/14	0.5	0.610386	10.0	1753956.0	1.220772	Y
3	IC 410-388102/15	1.0	1.129312	10.0	1790586.0	1.129312	Y
4	IC 410-388102/16	2.0	2.403762	10.0	1802566.0	1.201881	Y
5	IC 410-388102/17	5.0	5.970338	10.0	1860774.0	1.194068	Y
6	ICIS 410-388102/18	10.0	12.126327	10.0	1807671.0	1.212633	Y
7	IC 410-388102/19	25.0	29.357683	10.0	1891215.0	1.174307	Y



Calibration

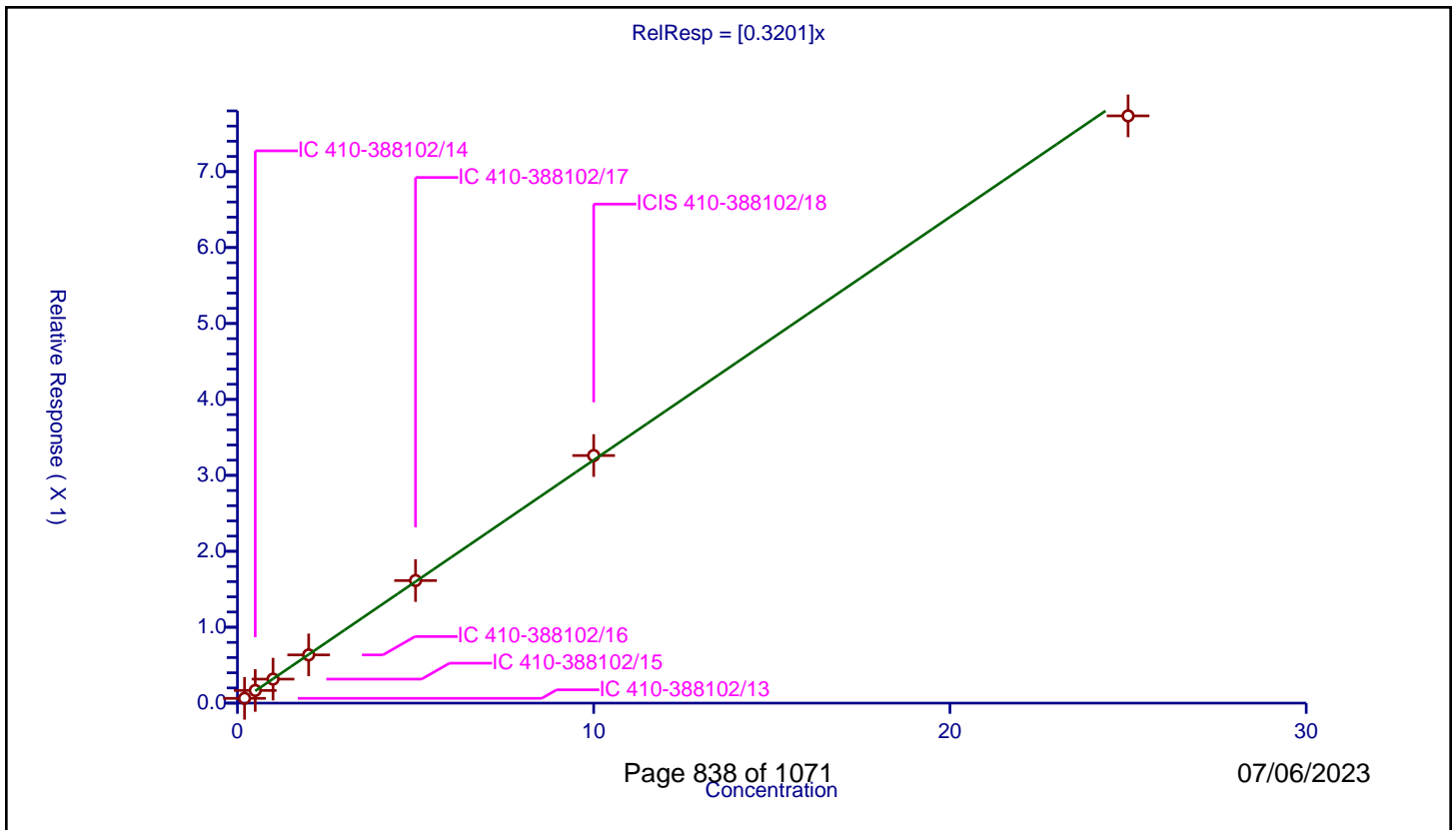
/ 1,2-Dichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3201

Error Coefficients	
Standard Error:	658000
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 410-388102/13	0.2	0.062931	10.0	1795291.0	0.314657	Y
2	IC 410-388102/14	0.5	0.166954	10.0	1753956.0	0.333908	Y
3	IC 410-388102/15	1.0	0.316181	10.0	1790586.0	0.316181	Y
4	IC 410-388102/16	2.0	0.635194	10.0	1802566.0	0.317597	Y
5	IC 410-388102/17	5.0	1.614511	10.0	1860774.0	0.322902	Y
6	ICIS 410-388102/18	10.0	3.260903	10.0	1807671.0	0.32609	Y
7	IC 410-388102/19	25.0	7.734404	10.0	1891215.0	0.309376	Y



Calibration

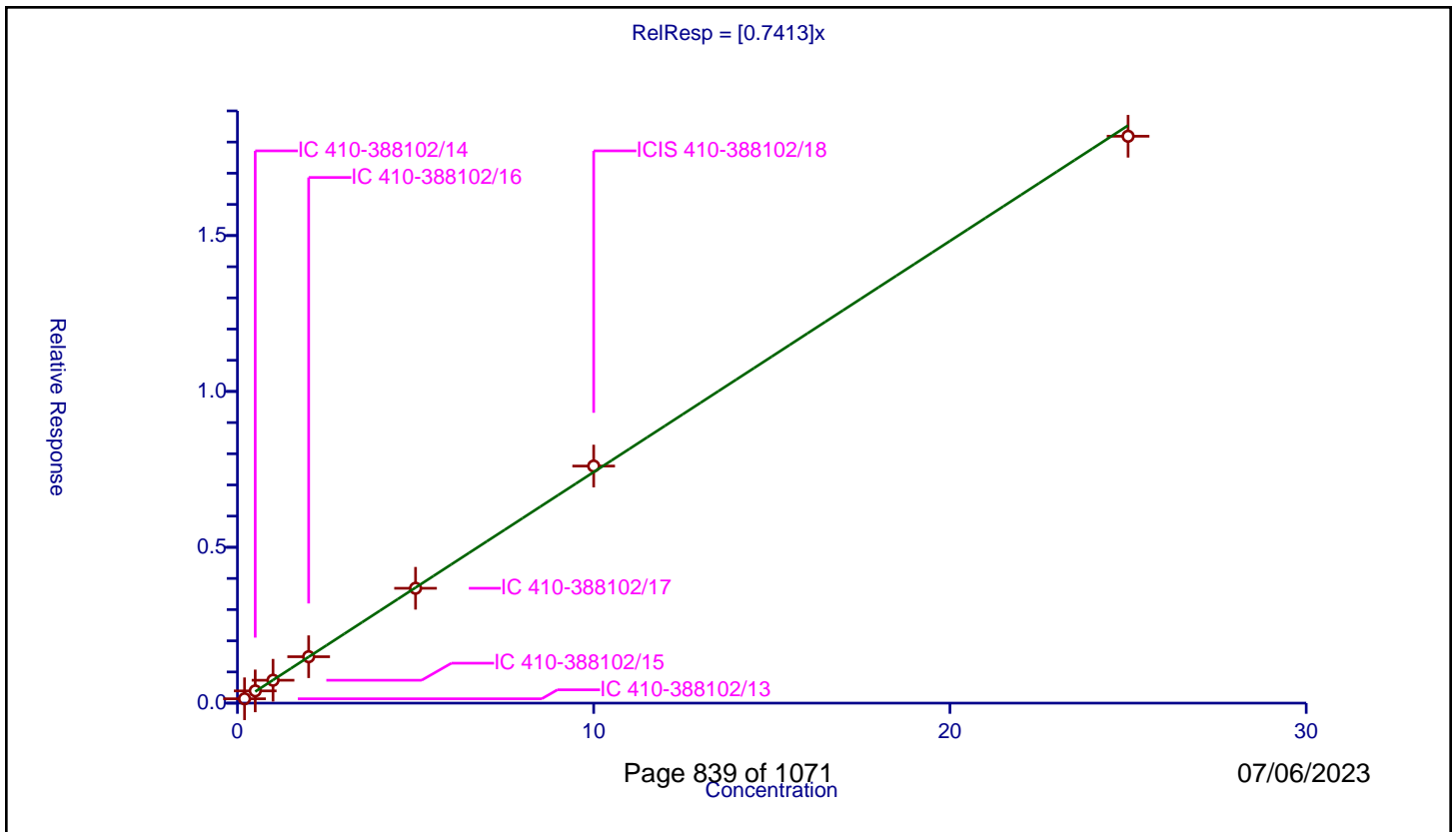
/ Tert-amyl methyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.7413

Error Coefficients	
Standard Error:	1540000
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 410-388102/13	0.2	0.139871	10.0	1795291.0	0.699357	Y
2	IC 410-388102/14	0.5	0.3929	10.0	1753956.0	0.785801	Y
3	IC 410-388102/15	1.0	0.734352	10.0	1790586.0	0.734352	Y
4	IC 410-388102/16	2.0	1.489099	10.0	1802566.0	0.74455	Y
5	IC 410-388102/17	5.0	3.685235	10.0	1860774.0	0.737047	Y
6	ICIS 410-388102/18	10.0	7.605643	10.0	1807671.0	0.760564	Y
7	IC 410-388102/19	25.0	18.186251	10.0	1891215.0	0.72745	Y



Calibration

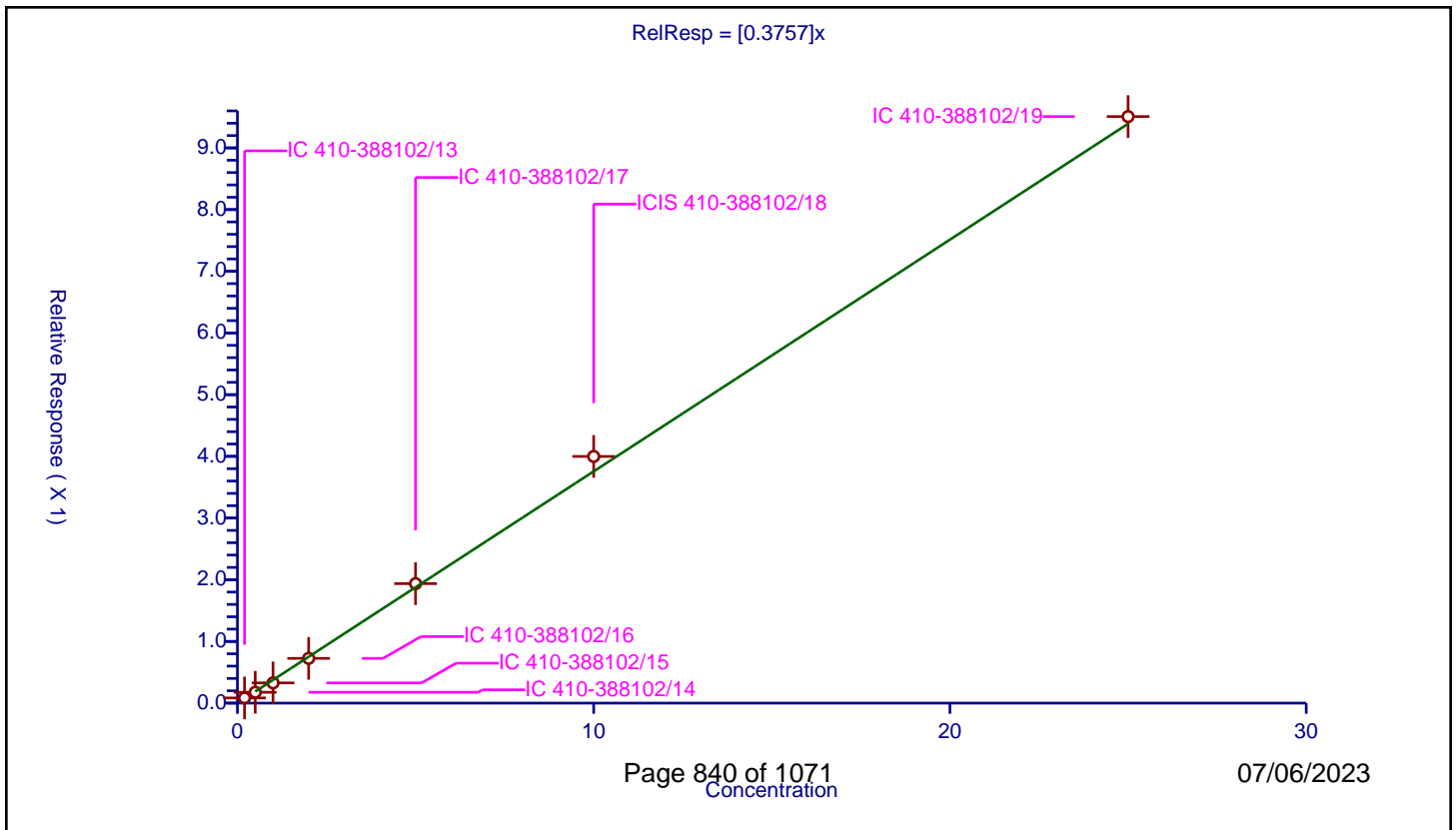
/ n-Heptane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3757

Error Coefficients	
Standard Error:	807000
Relative Standard Error:	8.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	0.2	0.083903	10.0	1795291.0	0.419514	Y
2	IC 410-388102/14	0.5	0.175905	10.0	1753956.0	0.35181	Y
3	IC 410-388102/15	1.0	0.32806	10.0	1790586.0	0.32806	Y
4	IC 410-388102/16	2.0	0.725327	10.0	1802566.0	0.362664	Y
5	IC 410-388102/17	5.0	1.936936	10.0	1860774.0	0.387387	Y
6	ICIS 410-388102/18	10.0	3.998825	10.0	1807671.0	0.399883	Y
7	IC 410-388102/19	25.0	9.50783	10.0	1891215.0	0.380313	Y



Calibration

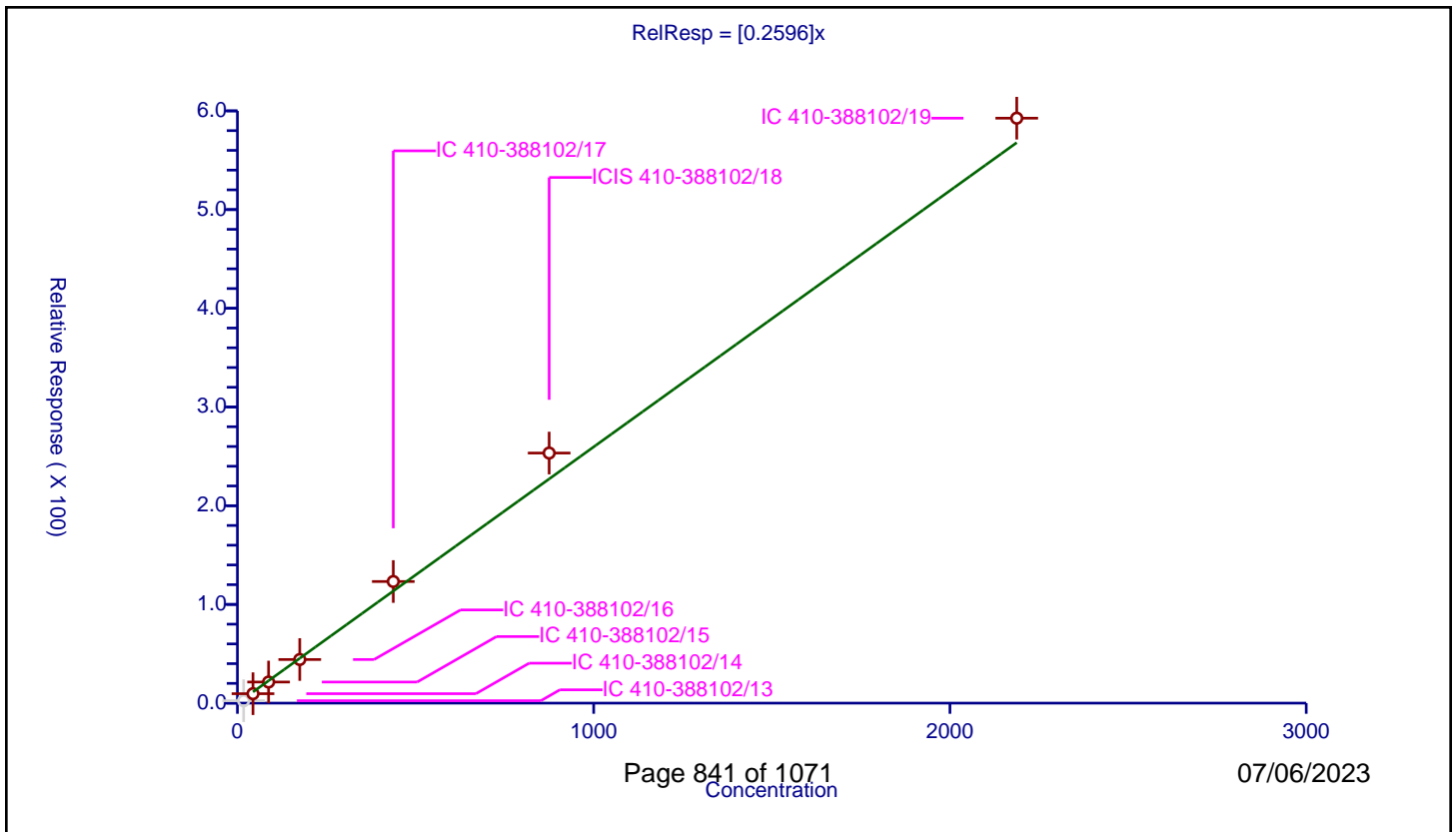
/ n-Butanol

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

Curve Coefficients	
Intercept:	0
Slope:	0.2596

Error Coefficients	
Standard Error:	791000
Relative Standard Error:	10.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	17.5	2.442149	50.0	116680.0	0.139551	N
2	IC 410-388102/14	43.75	9.564722	50.0	132398.0	0.218622	Y
3	IC 410-388102/15	87.5	21.376586	50.0	133555.0	0.244304	Y
4	IC 410-388102/16	175.0	44.184922	50.0	127135.0	0.252485	Y
5	IC 410-388102/17	437.5	123.220635	50.0	139221.0	0.281647	Y
6	ICIS 410-388102/18	875.0	253.356911	50.0	130775.0	0.289551	Y
7	IC 410-388102/19	2187.5	592.61736	50.0	134884.0	0.270911	Y



Calibration

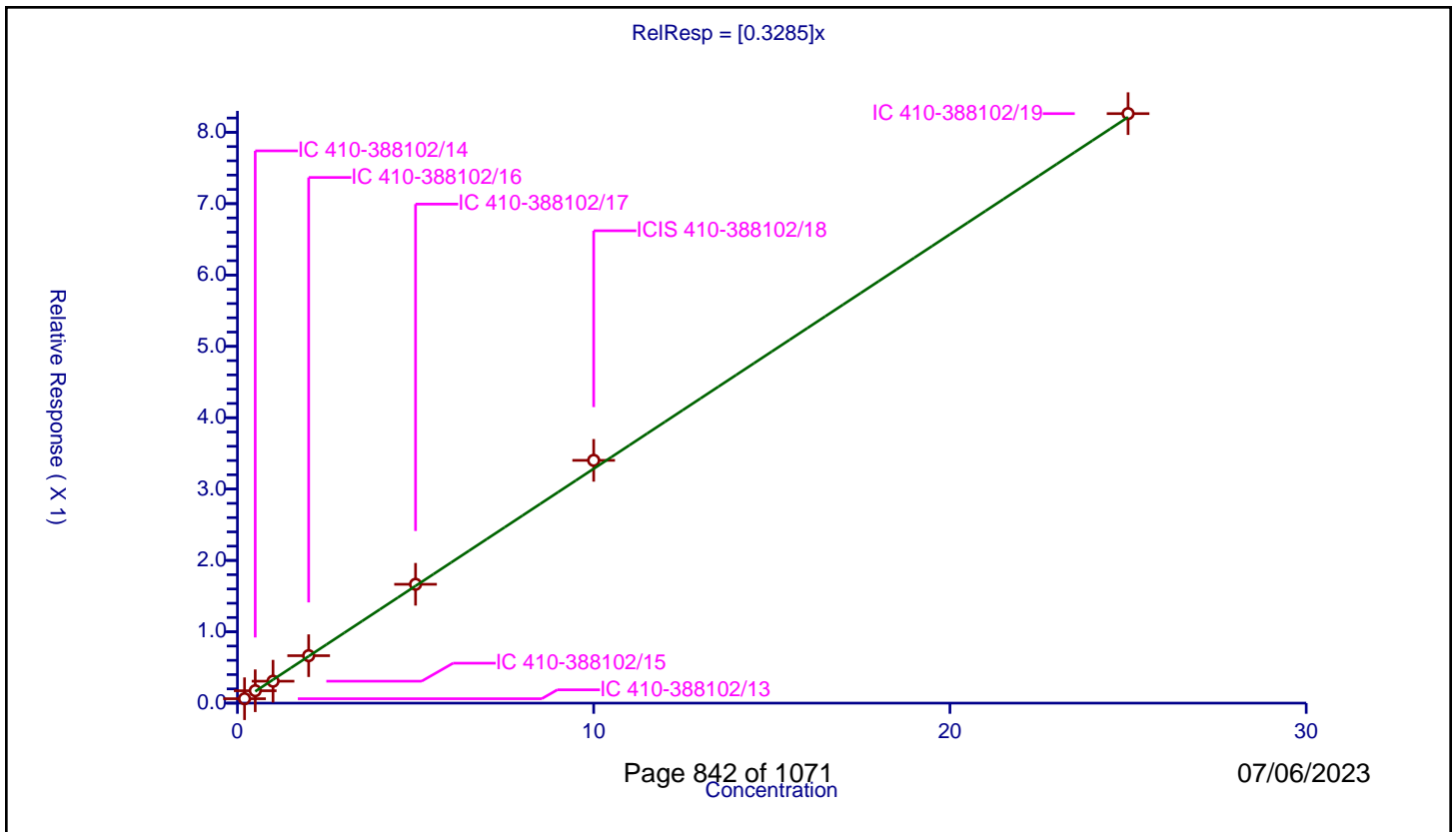
/ Trichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.3285

Error Coefficients	
Standard Error:	699000
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 410-388102/13	0.2	0.061711	10.0	1795291.0	0.308557	Y
2	IC 410-388102/14	0.5	0.173636	10.0	1753956.0	0.347272	Y
3	IC 410-388102/15	1.0	0.307391	10.0	1790586.0	0.307391	Y
4	IC 410-388102/16	2.0	0.664974	10.0	1802566.0	0.332487	Y
5	IC 410-388102/17	5.0	1.665608	10.0	1860774.0	0.333122	Y
6	ICIS 410-388102/18	10.0	3.402317	10.0	1807671.0	0.340232	Y
7	IC 410-388102/19	25.0	8.261414	10.0	1891215.0	0.330457	Y



Calibration

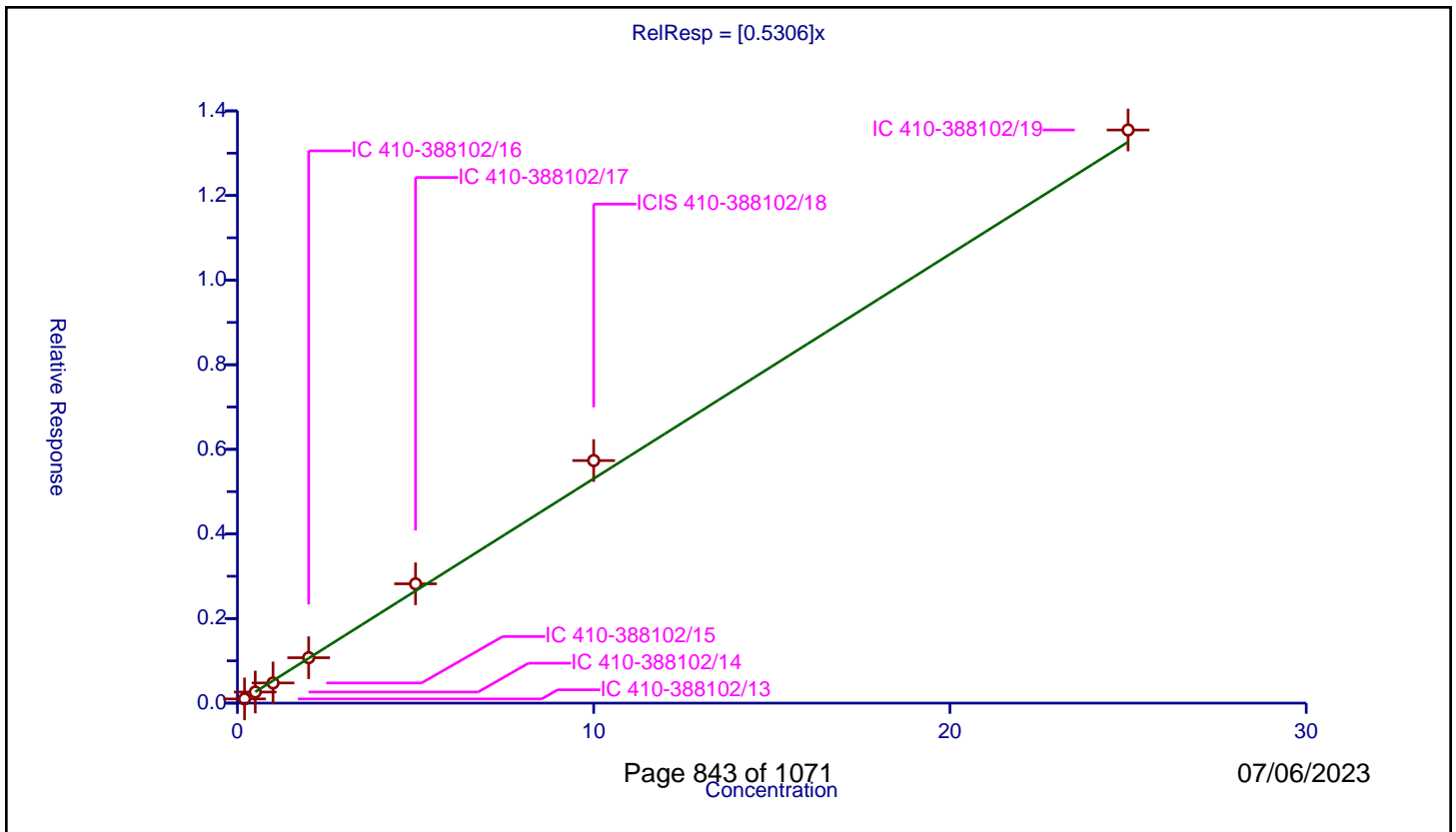
/ Methylcyclohexane

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

Curve Coefficients	
Intercept:	0
Slope:	0.5306

Error Coefficients	
Standard Error:	1150000
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 410-388102/13	0.2	0.099438	10.0	1795291.0	0.49719	Y
2	IC 410-388102/14	0.5	0.26215	10.0	1753956.0	0.5243	Y
3	IC 410-388102/15	1.0	0.476894	10.0	1790586.0	0.476894	Y
4	IC 410-388102/16	2.0	1.07327	10.0	1802566.0	0.536635	Y
5	IC 410-388102/17	5.0	2.820821	10.0	1860774.0	0.564164	Y
6	ICIS 410-388102/18	10.0	5.734218	10.0	1807671.0	0.573422	Y
7	IC 410-388102/19	25.0	13.548306	10.0	1891215.0	0.541932	Y



Calibration

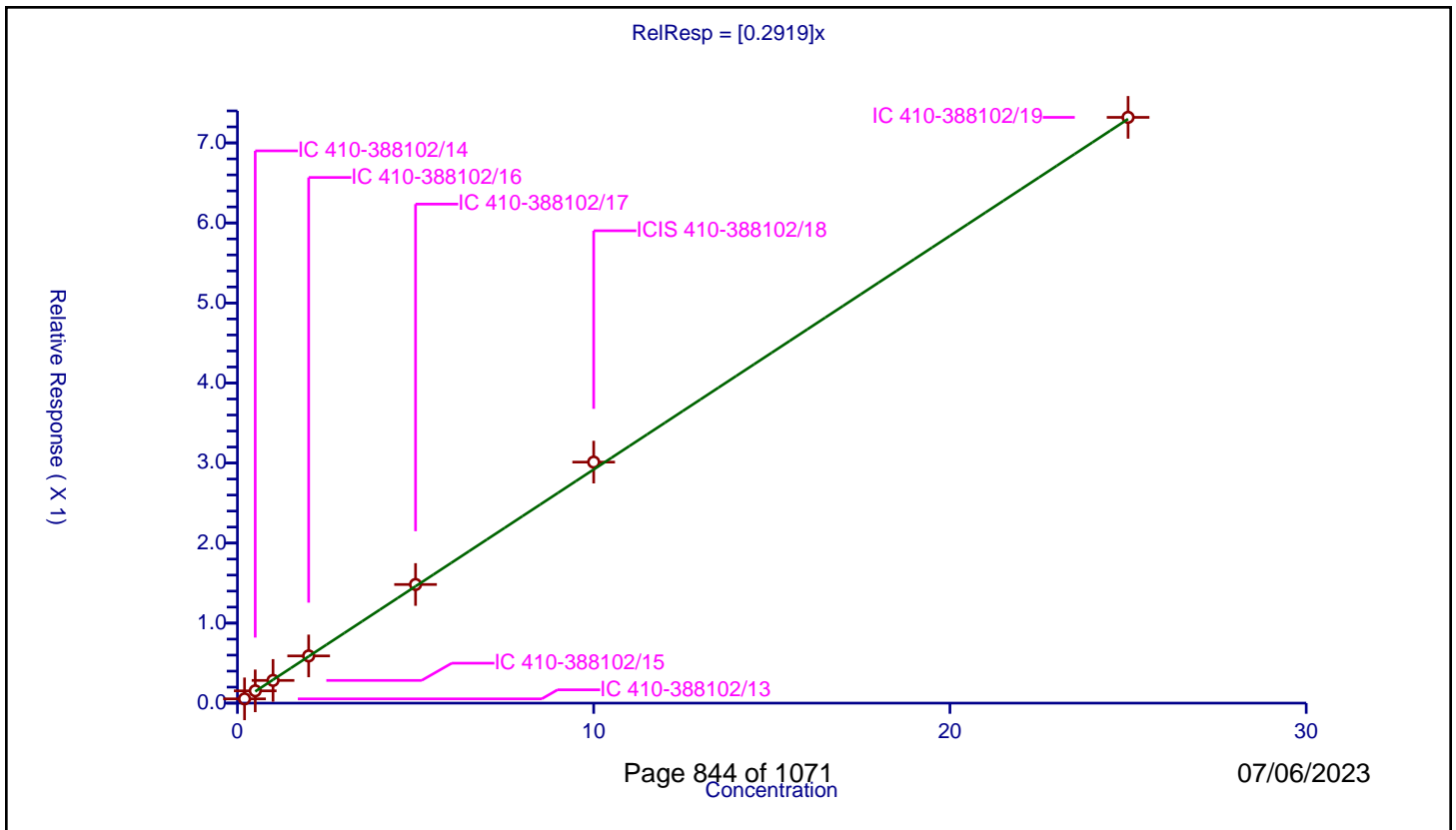
/ 1,2-Dichloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2919

Error Coefficients	
Standard Error:	620000
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 410-388102/13	0.2	0.053457	10.0	1795291.0	0.267283	Y
2	IC 410-388102/14	0.5	0.153738	10.0	1753956.0	0.307476	Y
3	IC 410-388102/15	1.0	0.28355	10.0	1790586.0	0.28355	Y
4	IC 410-388102/16	2.0	0.589842	10.0	1802566.0	0.294921	Y
5	IC 410-388102/17	5.0	1.482442	10.0	1860774.0	0.296488	Y
6	ICIS 410-388102/18	10.0	3.011577	10.0	1807671.0	0.301158	Y
7	IC 410-388102/19	25.0	7.319094	10.0	1891215.0	0.292764	Y



Calibration

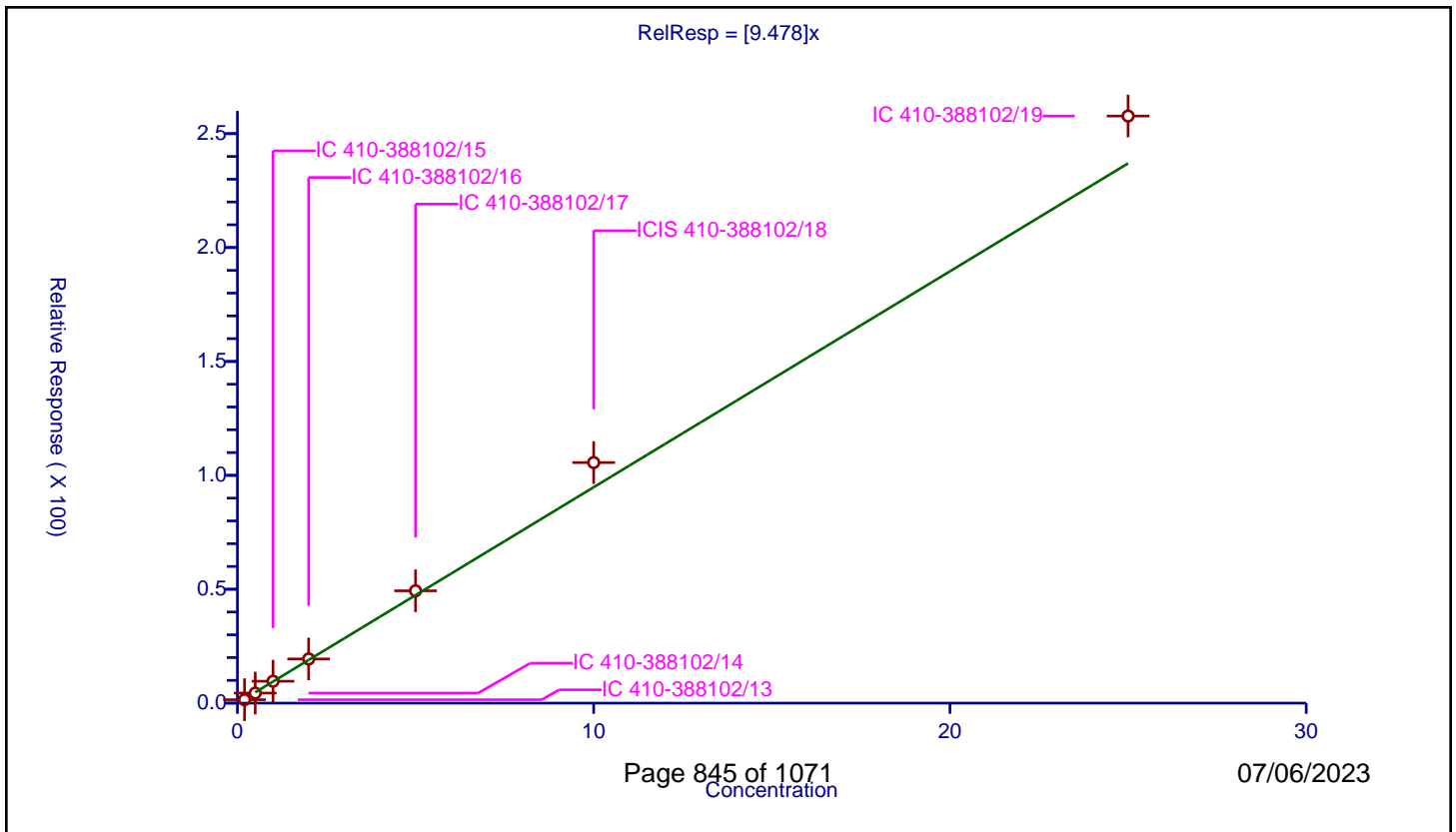
/ Methyl methacrylate

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

Curve Coefficients	
Intercept:	0
Slope:	9.478

Error Coefficients	
Standard Error:	311000
Relative Standard Error:	11.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	0.2	1.497686	50.0	116680.0	7.48843	Y
2	IC 410-388102/14	0.5	4.40981	50.0	132398.0	8.81962	Y
3	IC 410-388102/15	1.0	9.614017	50.0	133555.0	9.614017	Y
4	IC 410-388102/16	2.0	19.386086	50.0	127135.0	9.693043	Y
5	IC 410-388102/17	5.0	49.31404	50.0	139221.0	9.862808	Y
6	ICIS 410-388102/18	10.0	105.610782	50.0	130775.0	10.561078	Y
7	IC 410-388102/19	25.0	257.736277	50.0	134884.0	10.309451	Y



Calibration

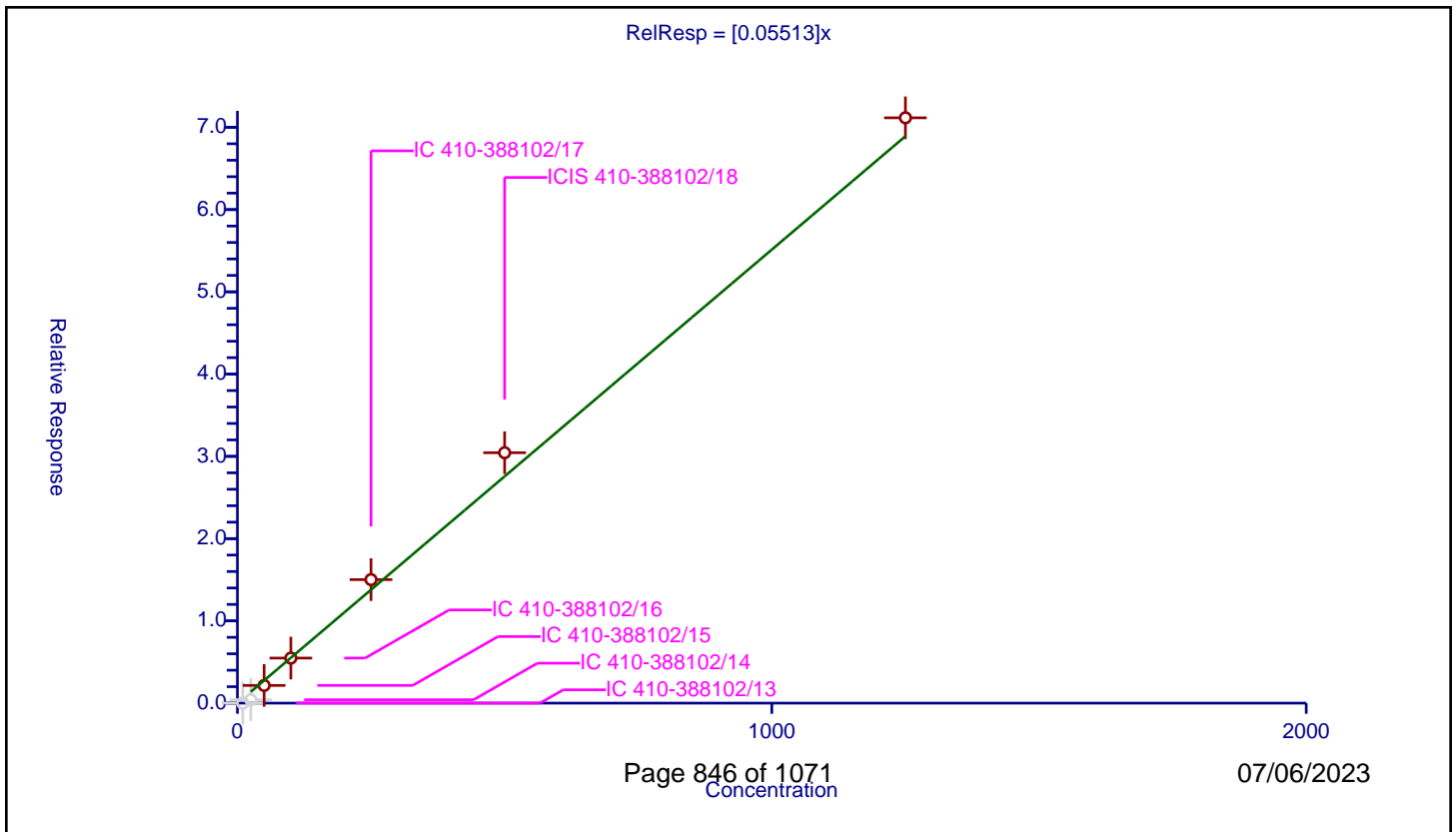
/ 1,4-Dioxane

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

Curve Coefficients	
Intercept:	0
Slope:	0.05513

Error Coefficients	
Standard Error:	106000
Relative Standard Error:	13.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	10.0	0.0	50.0	116680.0	0.0	N
2	IC 410-388102/14	25.0	0.414281	50.0	132398.0	0.016571	N
3	IC 410-388102/15	50.0	2.151174	50.0	133555.0	0.043023	Y
4	IC 410-388102/16	100.0	5.476462	50.0	127135.0	0.054765	Y
5	IC 410-388102/17	250.0	15.017131	50.0	139221.0	0.060069	Y
6	ICIS 410-388102/18	500.0	30.443128	50.0	130775.0	0.060886	Y
7	IC 410-388102/19	1250.0	71.159292	50.0	134884.0	0.056927	Y



Calibration

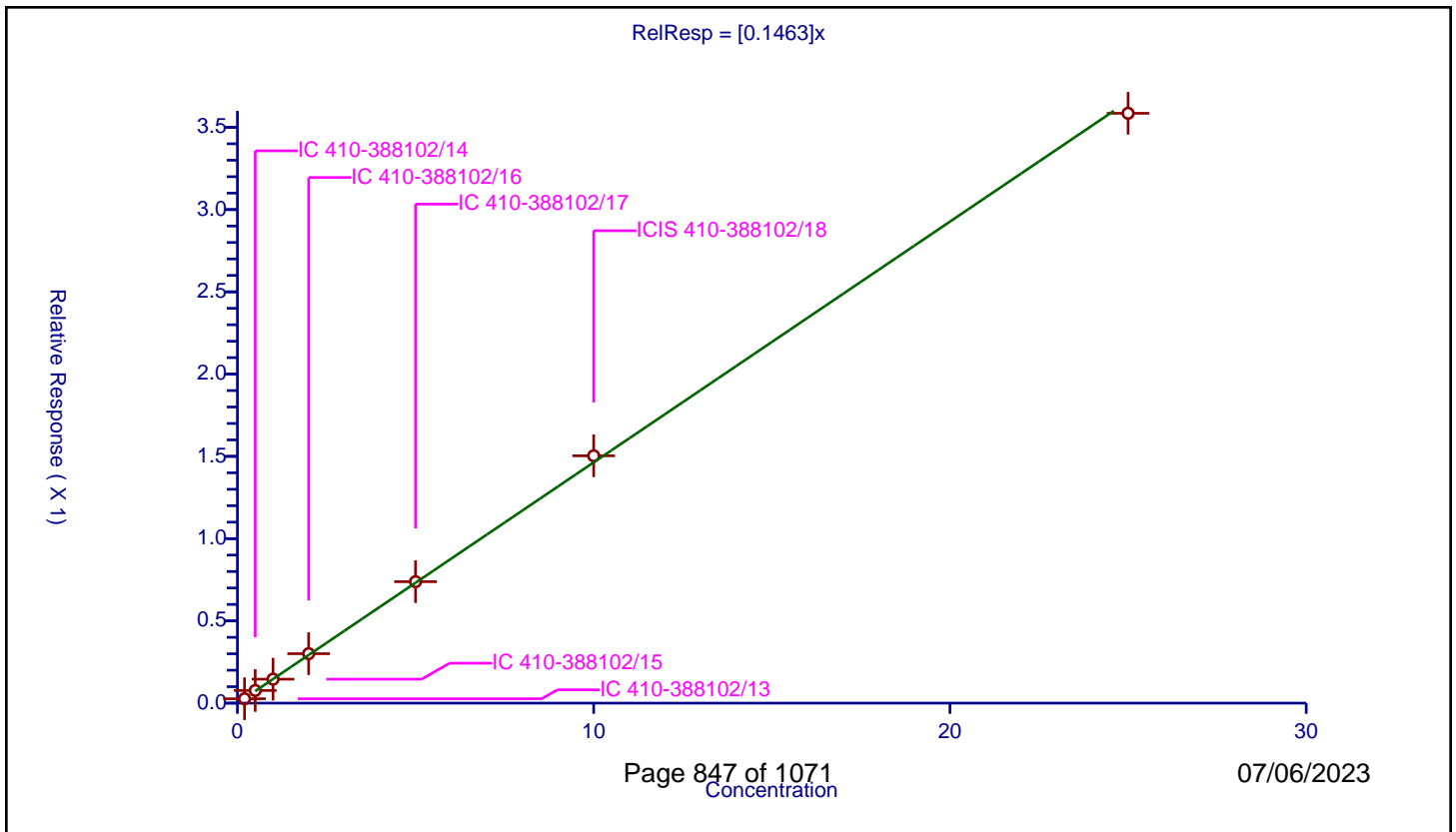
/ Dibromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.1463

Error Coefficients	
Standard Error:	304000
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 410-388102/13	0.2	0.026675	10.0	1795291.0	0.133377	Y
2	IC 410-388102/14	0.5	0.076866	10.0	1753956.0	0.153732	Y
3	IC 410-388102/15	1.0	0.145595	10.0	1790586.0	0.145595	Y
4	IC 410-388102/16	2.0	0.300538	10.0	1802566.0	0.150269	Y
5	IC 410-388102/17	5.0	0.738273	10.0	1860774.0	0.147655	Y
6	ICIS 410-388102/18	10.0	1.503376	10.0	1807671.0	0.150338	Y
7	IC 410-388102/19	25.0	3.58523	10.0	1891215.0	0.143409	Y



Calibration

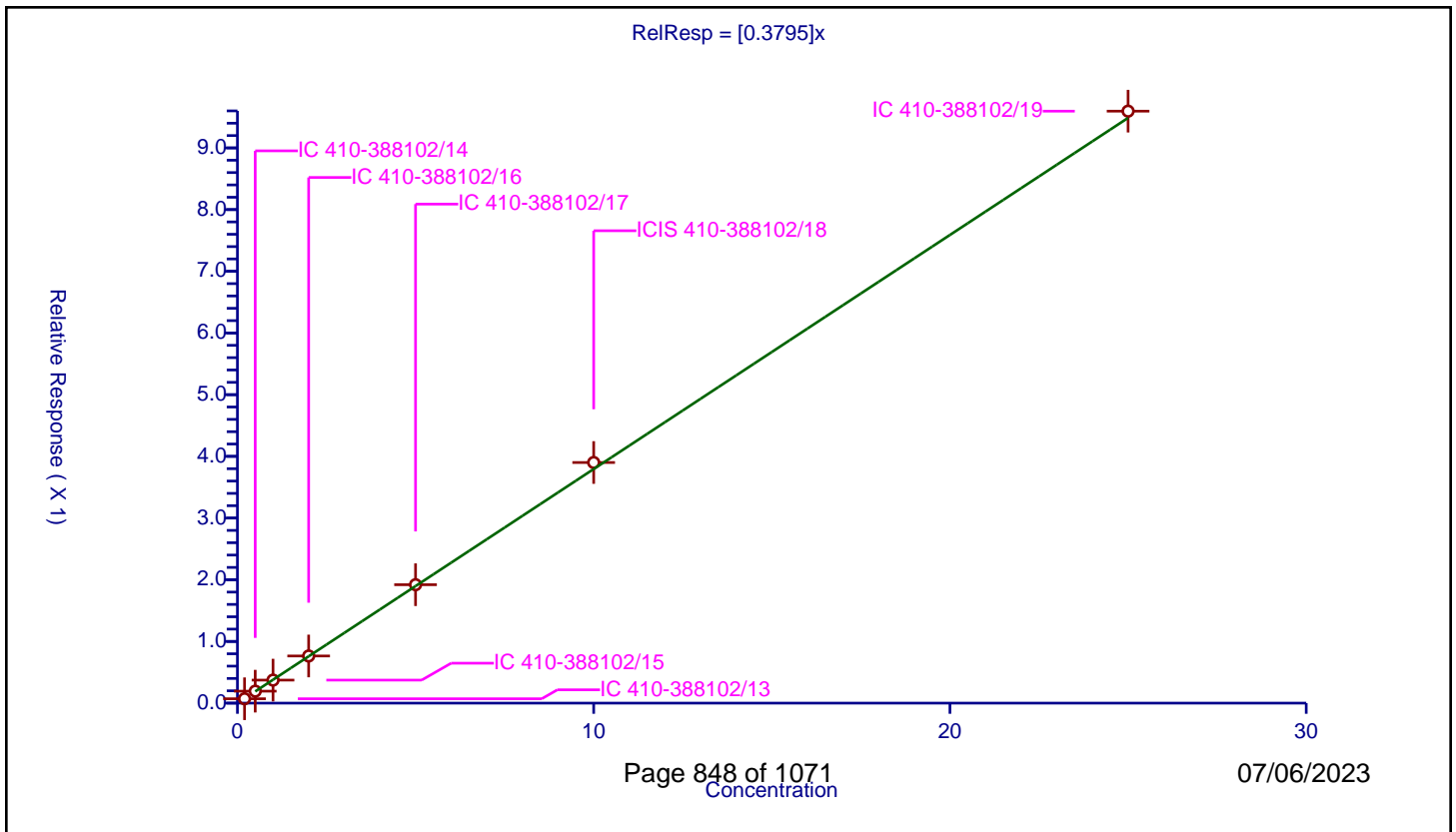
/ Dichlorobromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3795

Error Coefficients	
Standard Error:	811000
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 410-388102/13	0.2	0.070947	10.0	1795291.0	0.354734	Y
2	IC 410-388102/14	0.5	0.194155	10.0	1753956.0	0.388311	Y
3	IC 410-388102/15	1.0	0.373157	10.0	1790586.0	0.373157	Y
4	IC 410-388102/16	2.0	0.76436	10.0	1802566.0	0.38218	Y
5	IC 410-388102/17	5.0	1.919475	10.0	1860774.0	0.383895	Y
6	ICIS 410-388102/18	10.0	3.90045	10.0	1807671.0	0.390045	Y
7	IC 410-388102/19	25.0	9.595863	10.0	1891215.0	0.383835	Y



Calibration

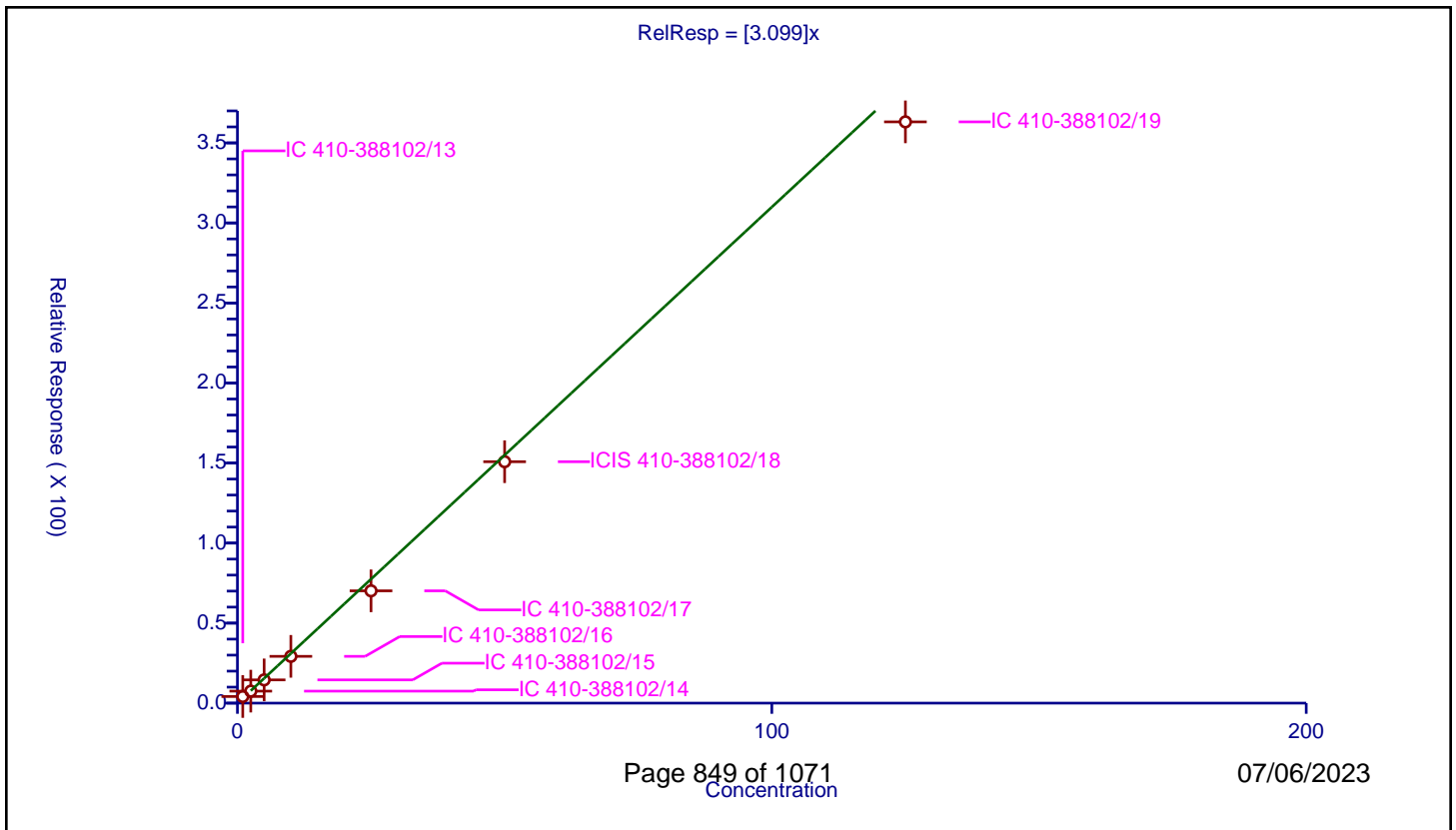
/ 2-Nitropropane

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

Curve Coefficients	
Intercept:	0
Slope:	3.099

Error Coefficients	
Standard Error:	440000
Relative Standard Error:	15.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.962

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	1.0	4.142955	50.0	116680.0	4.142955	Y
2	IC 410-388102/14	2.5	7.489161	50.0	132398.0	2.995665	Y
3	IC 410-388102/15	5.0	14.523979	50.0	133555.0	2.904796	Y
4	IC 410-388102/16	10.0	29.220514	50.0	127135.0	2.922051	Y
5	IC 410-388102/17	25.0	70.162188	50.0	139221.0	2.806488	Y
6	ICIS 410-388102/18	50.0	150.83311	50.0	130775.0	3.016662	Y
7	IC 410-388102/19	125.0	363.14574	50.0	134884.0	2.905166	Y



Calibration

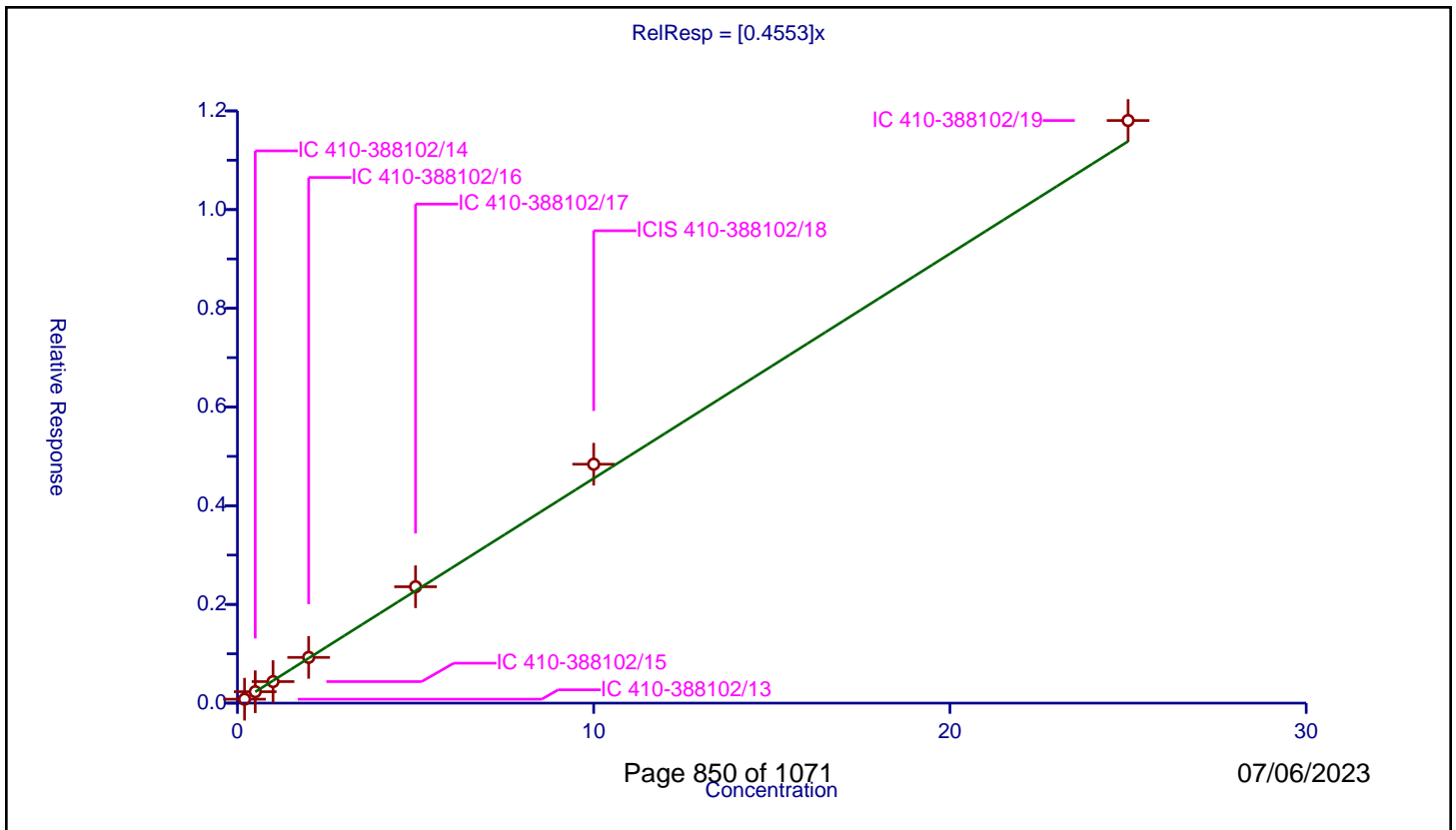
/ cis-1,3-Dichloropropene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4553

Error Coefficients	
Standard Error:	998000
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 410-388102/13	0.2	0.079508	10.0	1795291.0	0.39754	Y
2	IC 410-388102/14	0.5	0.231089	10.0	1753956.0	0.462178	Y
3	IC 410-388102/15	1.0	0.436472	10.0	1790586.0	0.436472	Y
4	IC 410-388102/16	2.0	0.926379	10.0	1802566.0	0.46319	Y
5	IC 410-388102/17	5.0	2.357901	10.0	1860774.0	0.47158	Y
6	ICIS 410-388102/18	10.0	4.840765	10.0	1807671.0	0.484076	Y
7	IC 410-388102/19	25.0	11.805369	10.0	1891215.0	0.472215	Y



Calibration

/ 4-Methyl-2-pentanone (MIBK)

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

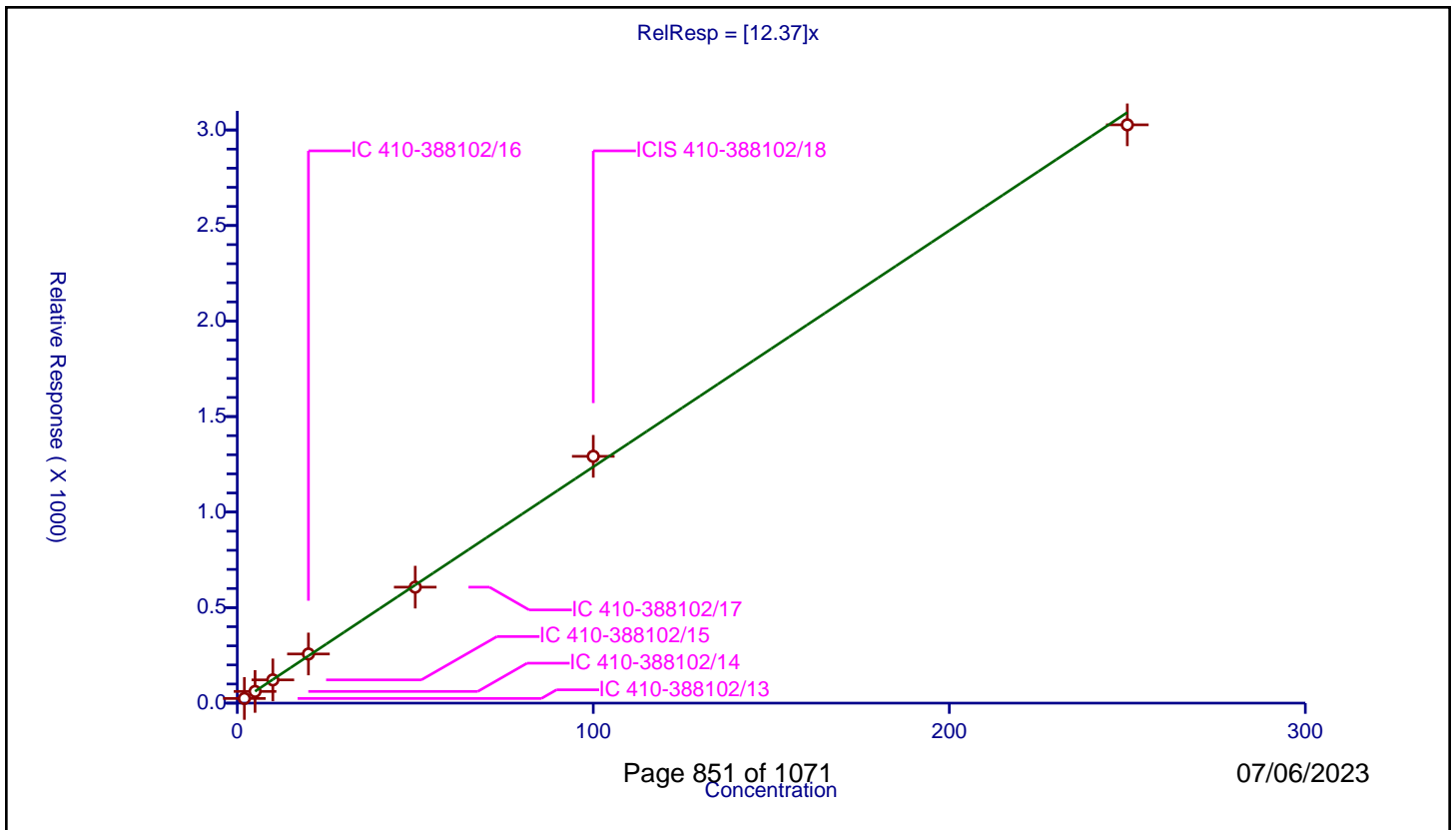
Curve Coefficients

Intercept: 0
 Slope: 12.37

Error Coefficients

Standard Error: 3680000
 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 410-388102/13	2.0	24.274083	50.0	116680.0	12.137041	Y
2	IC 410-388102/14	5.0	61.244128	50.0	132398.0	12.248826	Y
3	IC 410-388102/15	10.0	121.588484	50.0	133555.0	12.158848	Y
4	IC 410-388102/16	20.0	257.226963	50.0	127135.0	12.861348	Y
5	IC 410-388102/17	50.0	607.091243	50.0	139221.0	12.141825	Y
6	ICIS 410-388102/18	100.0	1291.790862	50.0	130775.0	12.917909	Y
7	IC 410-388102/19	250.0	3027.132573	50.0	134884.0	12.10853	Y



Calibration

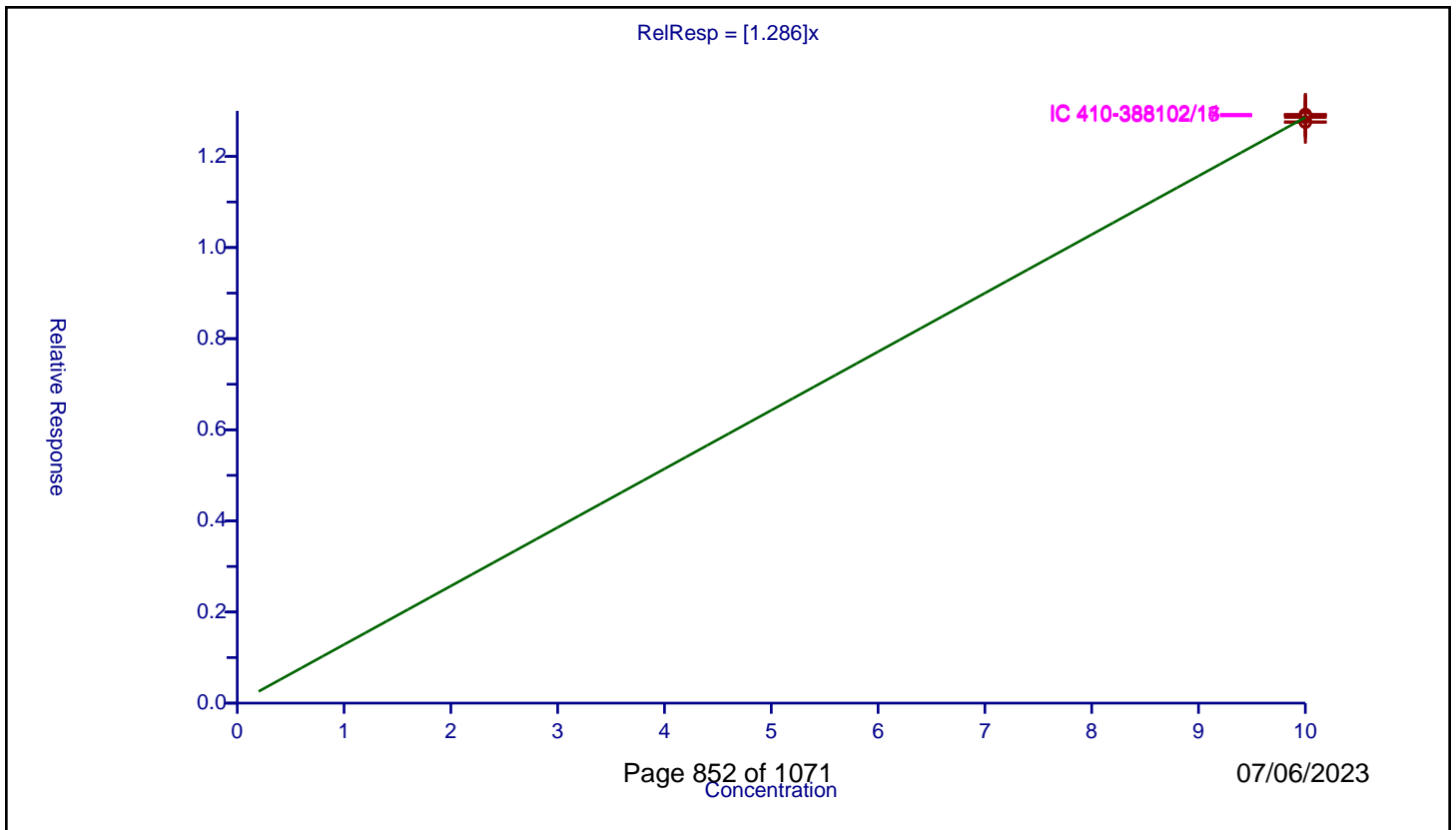
/ Toluene-d8 (Surr)

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

Curve Coefficients	
Intercept:	0
Slope:	1.286

Error Coefficients	
Standard Error:	1990000
Relative Standard Error:	0.6
Correlation Coefficient:	0.00000000000000000000
Coefficient of Determination (Adjusted):	0.0000000000000000222

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	10.0	12.909417	10.0	1414940.0	1.290942	Y
2	IC 410-388102/14	10.0	12.924011	10.0	1381168.0	1.292401	Y
3	IC 410-388102/15	10.0	12.762147	10.0	1413947.0	1.276215	Y
4	IC 410-388102/16	10.0	12.905264	10.0	1411844.0	1.290526	Y
5	IC 410-388102/17	10.0	12.890348	10.0	1479531.0	1.289035	Y
6	ICIS 410-388102/18	10.0	12.855298	10.0	1439976.0	1.28553	Y
7	IC 410-388102/19	10.0	12.74883	10.0	1508853.0	1.274883	Y



Calibration

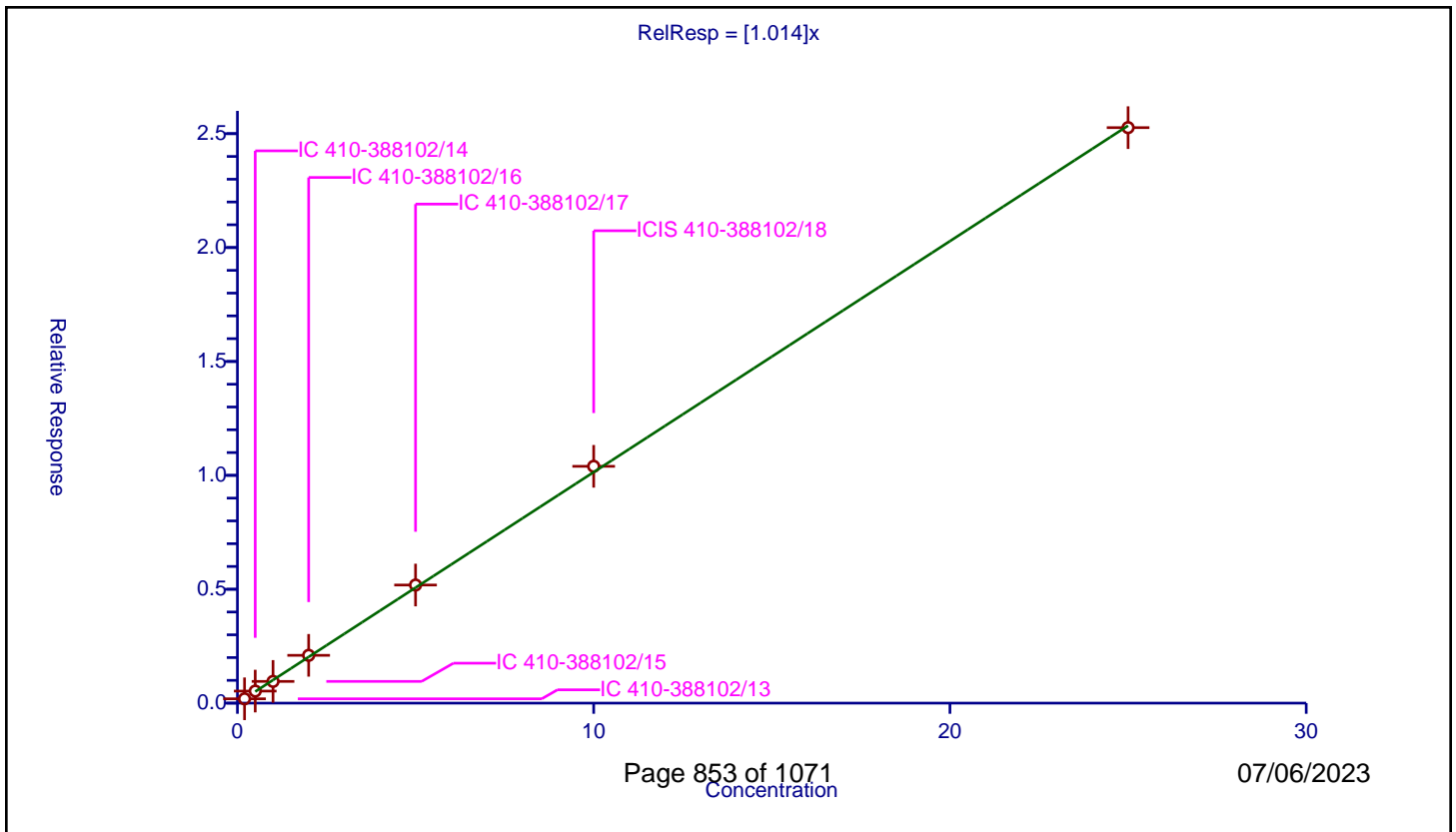
/ Toluene

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

Curve Coefficients	
Intercept:	0
Slope:	1.014

Error Coefficients	
Standard Error:	1710000
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 410-388102/13	0.2	0.189959	10.0	1414940.0	0.949793	Y
2	IC 410-388102/14	0.5	0.529421	10.0	1381168.0	1.058843	Y
3	IC 410-388102/15	1.0	0.953876	10.0	1413947.0	0.953876	Y
4	IC 410-388102/16	2.0	2.097633	10.0	1411844.0	1.048816	Y
5	IC 410-388102/17	5.0	5.184555	10.0	1479531.0	1.036911	Y
6	ICIS 410-388102/18	10.0	10.396111	10.0	1439976.0	1.039611	Y
7	IC 410-388102/19	25.0	25.264622	10.0	1508853.0	1.010585	Y



Calibration

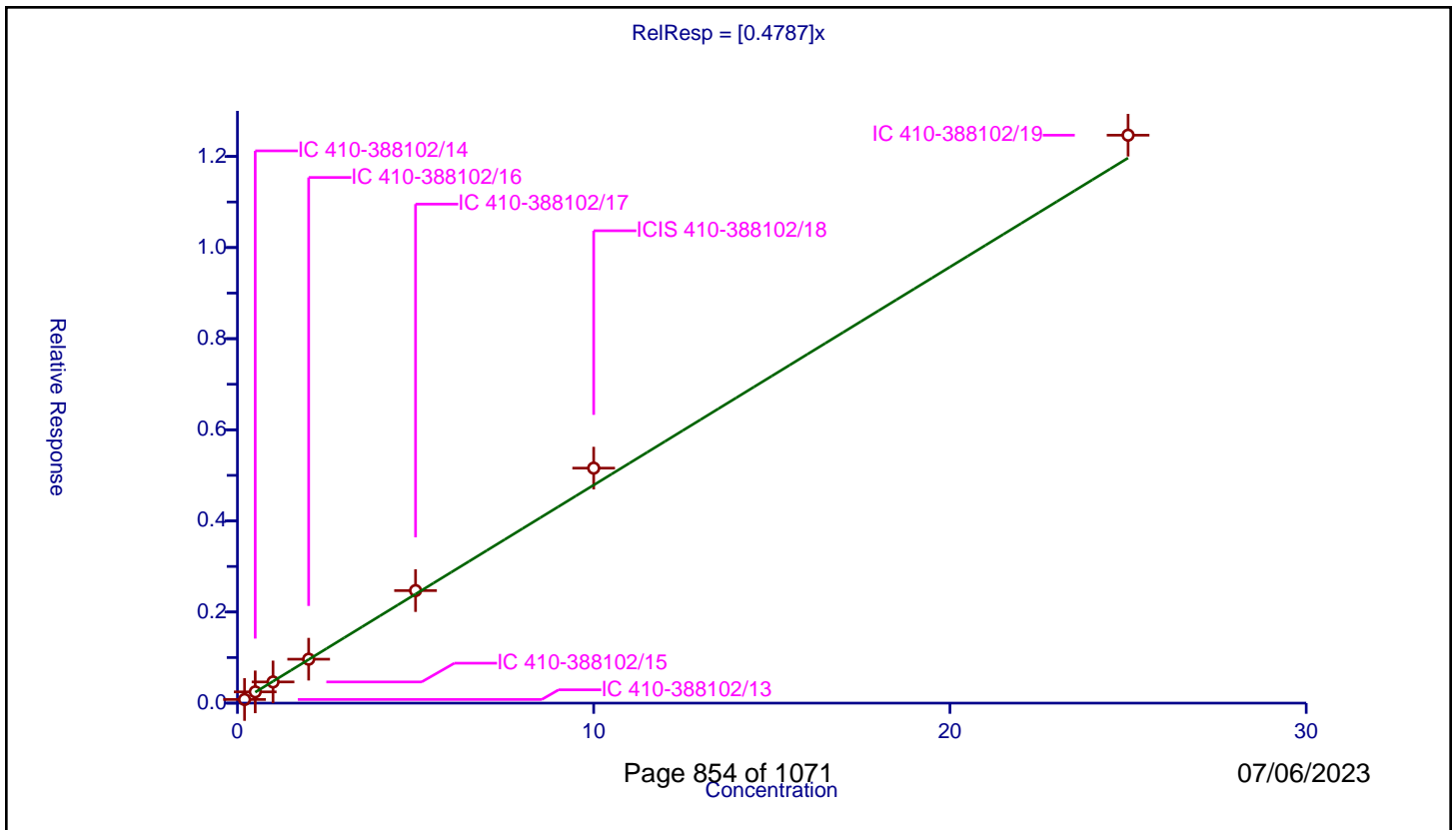
/ trans-1,3-Dichloropropene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4787

Error Coefficients	
Standard Error:	841000
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 410-388102/13	0.2	0.080046	10.0	1414940.0	0.400229	Y
2	IC 410-388102/14	0.5	0.247254	10.0	1381168.0	0.494509	Y
3	IC 410-388102/15	1.0	0.465208	10.0	1413947.0	0.465208	Y
4	IC 410-388102/16	2.0	0.964292	10.0	1411844.0	0.482146	Y
5	IC 410-388102/17	5.0	2.470445	10.0	1479531.0	0.494089	Y
6	ICIS 410-388102/18	10.0	5.158148	10.0	1439976.0	0.515815	Y
7	IC 410-388102/19	25.0	12.466867	10.0	1508853.0	0.498675	Y



Calibration

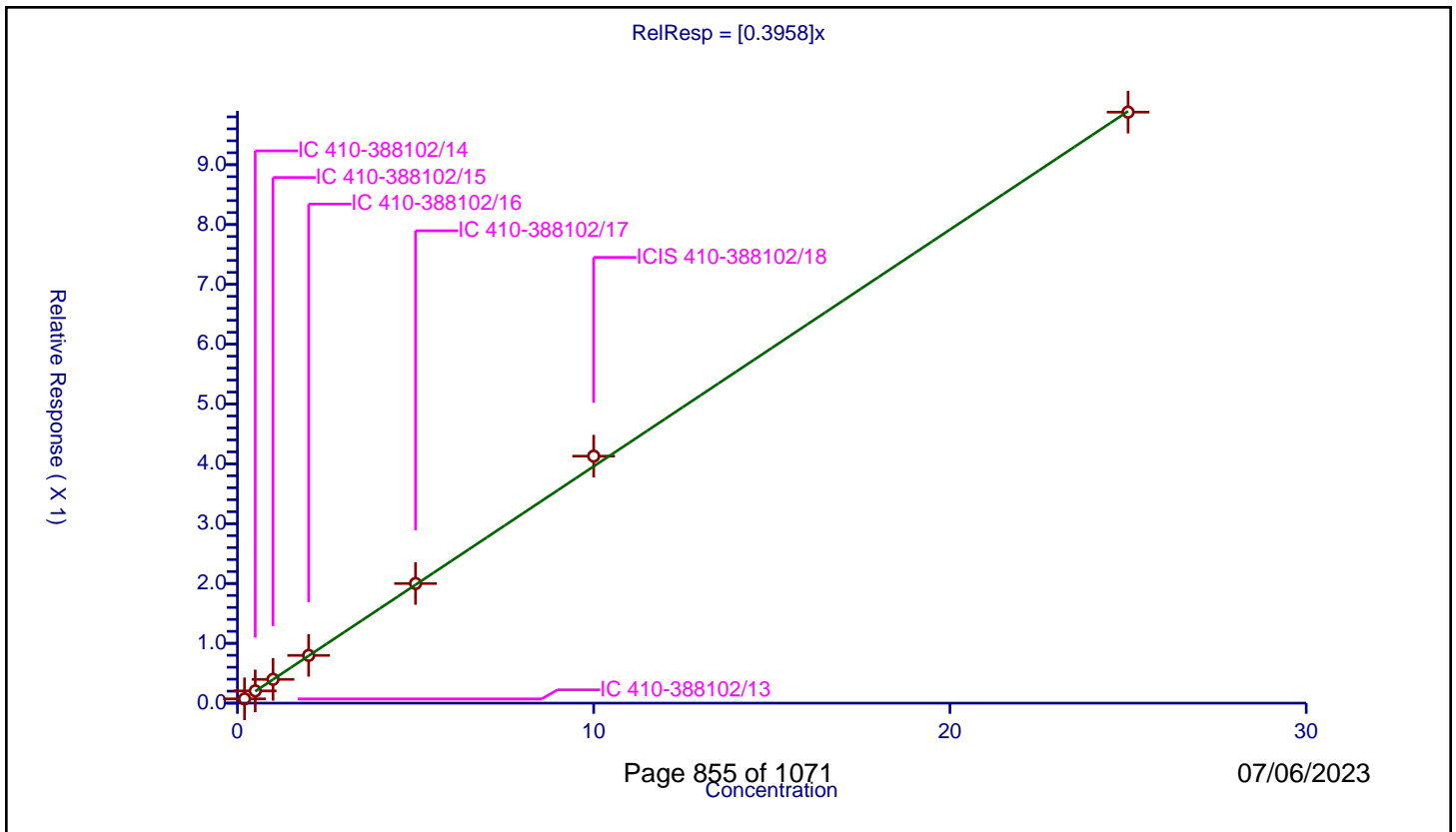
/ Ethyl methacrylate

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

Curve Coefficients	
Intercept:	0
Slope:	0.3958

Error Coefficients	
Standard Error:	668000
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 410-388102/13	0.2	0.071473	10.0	1414940.0	0.357365	Y
2	IC 410-388102/14	0.5	0.204486	10.0	1381168.0	0.408973	Y
3	IC 410-388102/15	1.0	0.397236	10.0	1413947.0	0.397236	Y
4	IC 410-388102/16	2.0	0.797871	10.0	1411844.0	0.398936	Y
5	IC 410-388102/17	5.0	1.99962	10.0	1479531.0	0.399924	Y
6	ICIS 410-388102/18	10.0	4.128805	10.0	1439976.0	0.41288	Y
7	IC 410-388102/19	25.0	9.87922	10.0	1508853.0	0.395169	Y



Calibration

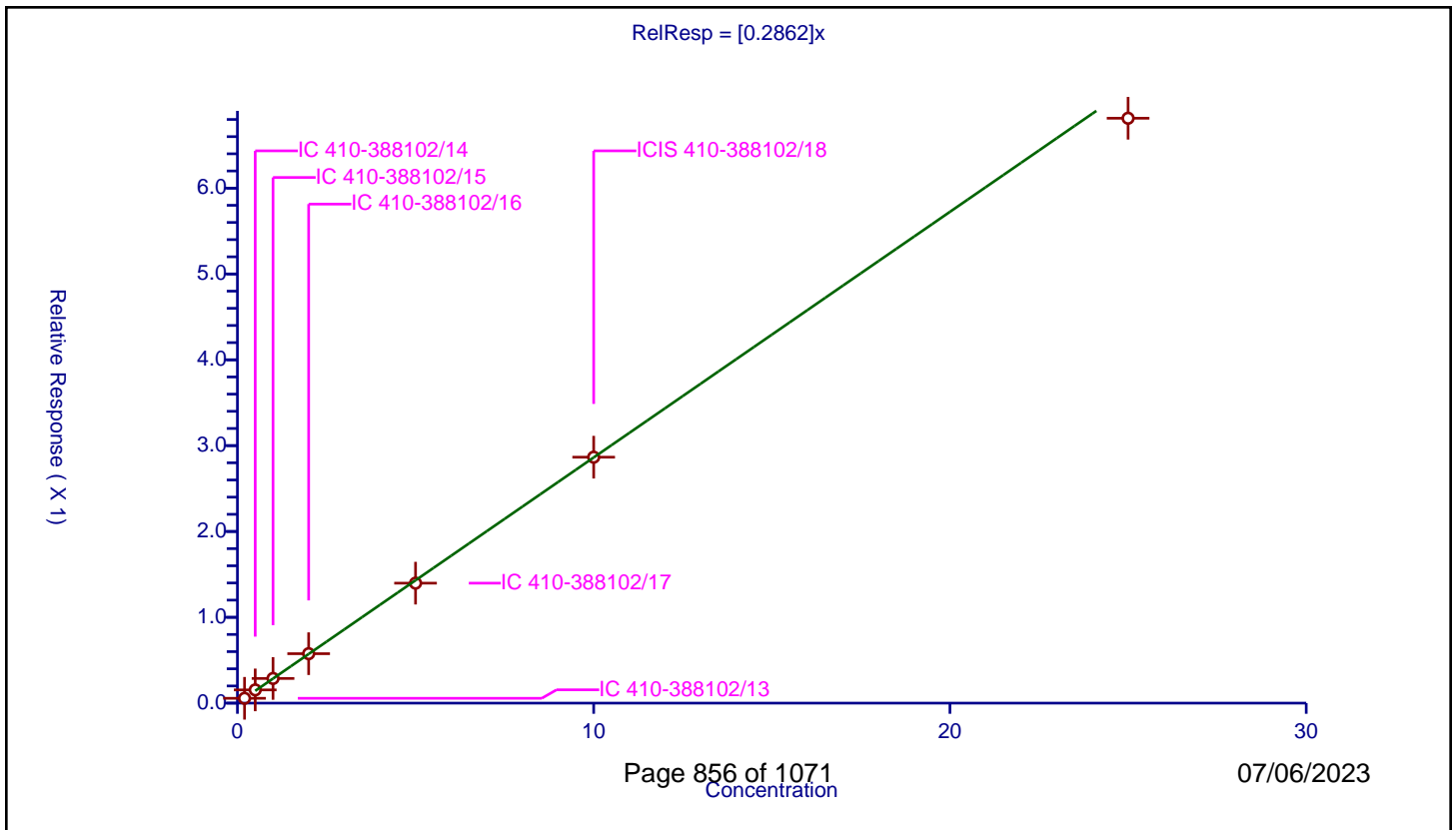
/ 1,1,2-Trichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2862

Error Coefficients	
Standard Error:	462000
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 410-388102/13	0.2	0.056172	10.0	1414940.0	0.28086	Y
2	IC 410-388102/14	0.5	0.154159	10.0	1381168.0	0.308319	Y
3	IC 410-388102/15	1.0	0.287451	10.0	1413947.0	0.287451	Y
4	IC 410-388102/16	2.0	0.576176	10.0	1411844.0	0.288088	Y
5	IC 410-388102/17	5.0	1.397619	10.0	1479531.0	0.279524	Y
6	ICIS 410-388102/18	10.0	2.865367	10.0	1439976.0	0.286537	Y
7	IC 410-388102/19	25.0	6.814229	10.0	1508853.0	0.272569	Y



Calibration

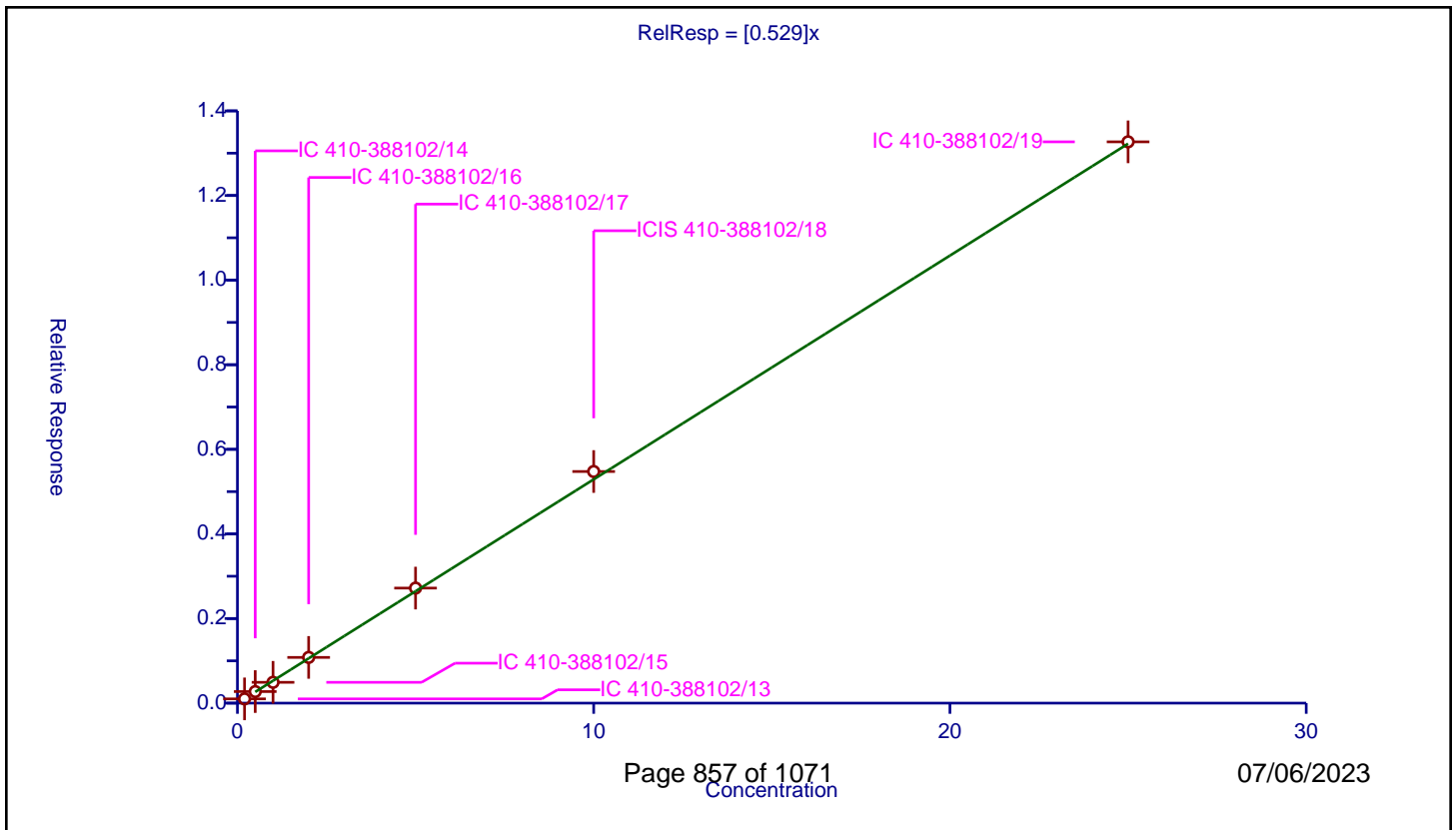
/ Tetrachloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.529

Error Coefficients	
Standard Error:	896000
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 410-388102/13	0.2	0.100273	10.0	1414940.0	0.501364	Y
2	IC 410-388102/14	0.5	0.273327	10.0	1381168.0	0.546653	Y
3	IC 410-388102/15	1.0	0.492084	10.0	1413947.0	0.492084	Y
4	IC 410-388102/16	2.0	1.080976	10.0	1411844.0	0.540488	Y
5	IC 410-388102/17	5.0	2.719443	10.0	1479531.0	0.543889	Y
6	ICIS 410-388102/18	10.0	5.475473	10.0	1439976.0	0.547547	Y
7	IC 410-388102/19	25.0	13.268695	10.0	1508853.0	0.530748	Y



Calibration

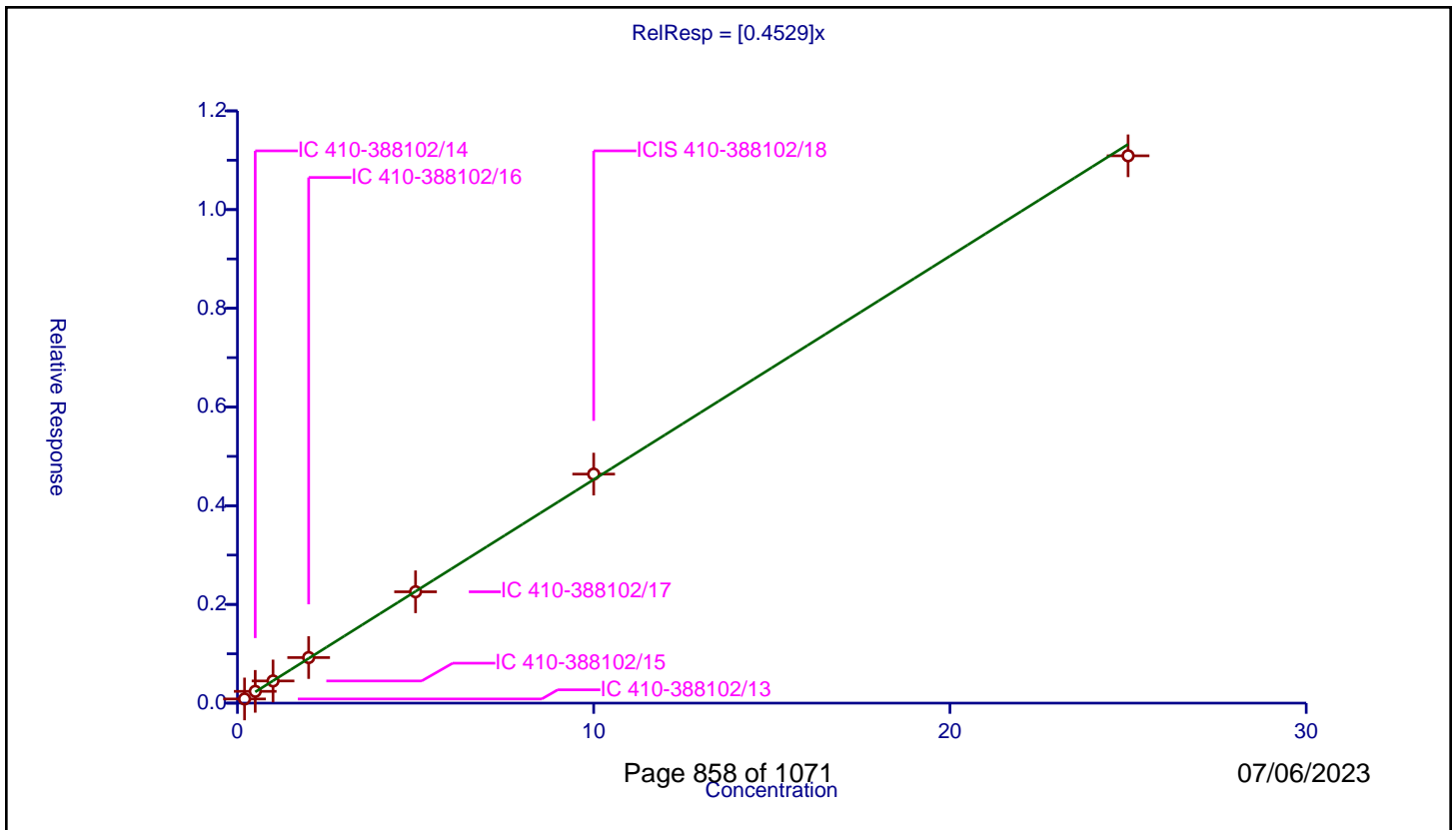
/ 1,3-Dichloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4529

Error Coefficients	
Standard Error:	751000
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 410-388102/13	0.2	0.084654	10.0	1414940.0	0.423269	Y
2	IC 410-388102/14	0.5	0.238878	10.0	1381168.0	0.477755	Y
3	IC 410-388102/15	1.0	0.449034	10.0	1413947.0	0.449034	Y
4	IC 410-388102/16	2.0	0.92319	10.0	1411844.0	0.461595	Y
5	IC 410-388102/17	5.0	2.256188	10.0	1479531.0	0.451238	Y
6	ICIS 410-388102/18	10.0	4.640522	10.0	1439976.0	0.464052	Y
7	IC 410-388102/19	25.0	11.090391	10.0	1508853.0	0.443616	Y



Calibration

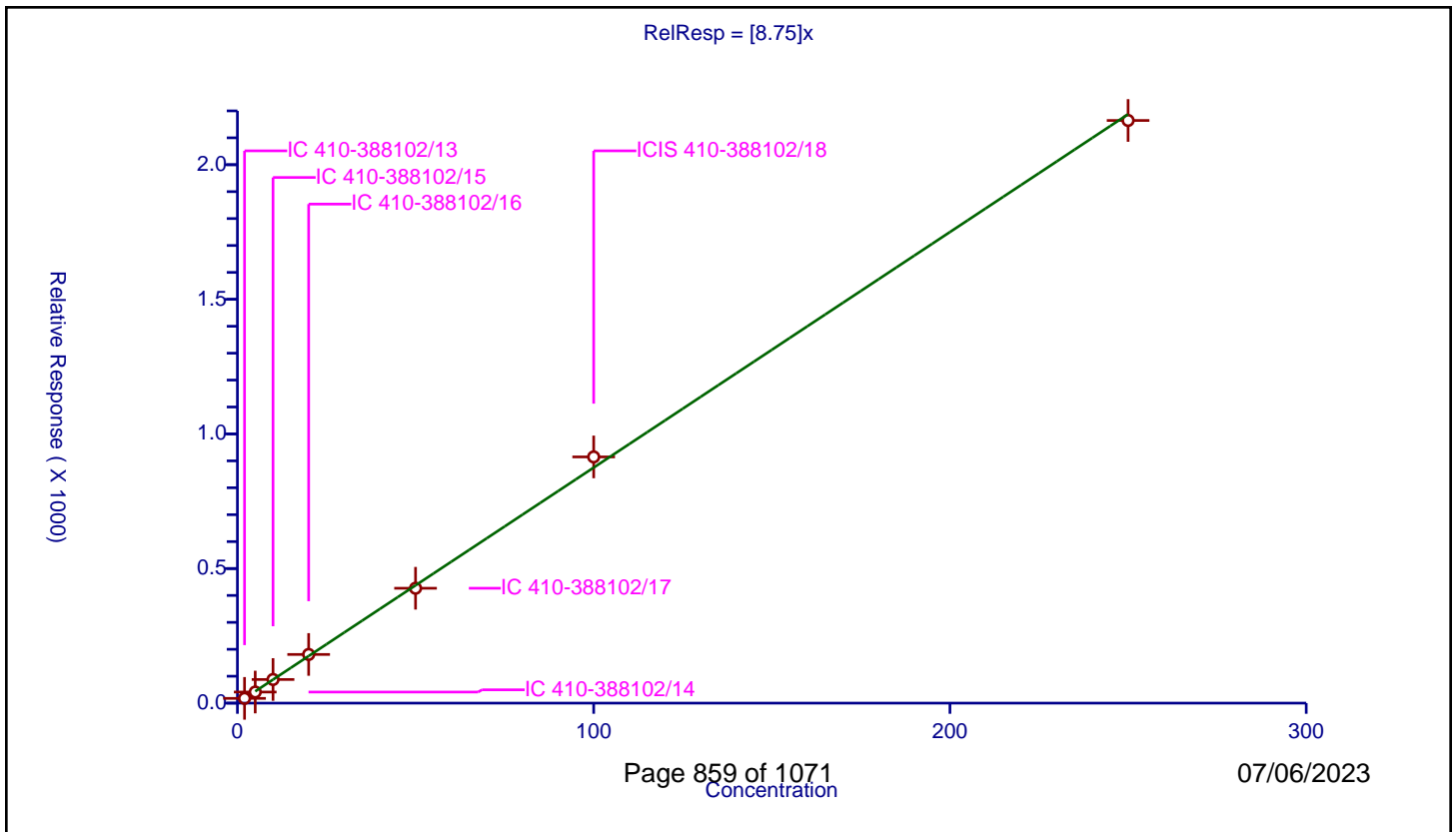
/ 2-Hexanone

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

Curve Coefficients	
Intercept:	0
Slope:	8.75

Error Coefficients	
Standard Error:	2630000
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 410-388102/13	2.0	17.705691	50.0	116680.0	8.852845	Y
2	IC 410-388102/14	5.0	41.165274	50.0	132398.0	8.233055	Y
3	IC 410-388102/15	10.0	87.807645	50.0	133555.0	8.780764	Y
4	IC 410-388102/16	20.0	180.849097	50.0	127135.0	9.042455	Y
5	IC 410-388102/17	50.0	426.765	50.0	139221.0	8.5353	Y
6	ICIS 410-388102/18	100.0	914.665647	50.0	130775.0	9.146656	Y
7	IC 410-388102/19	250.0	2164.420539	50.0	134884.0	8.657682	Y



Calibration

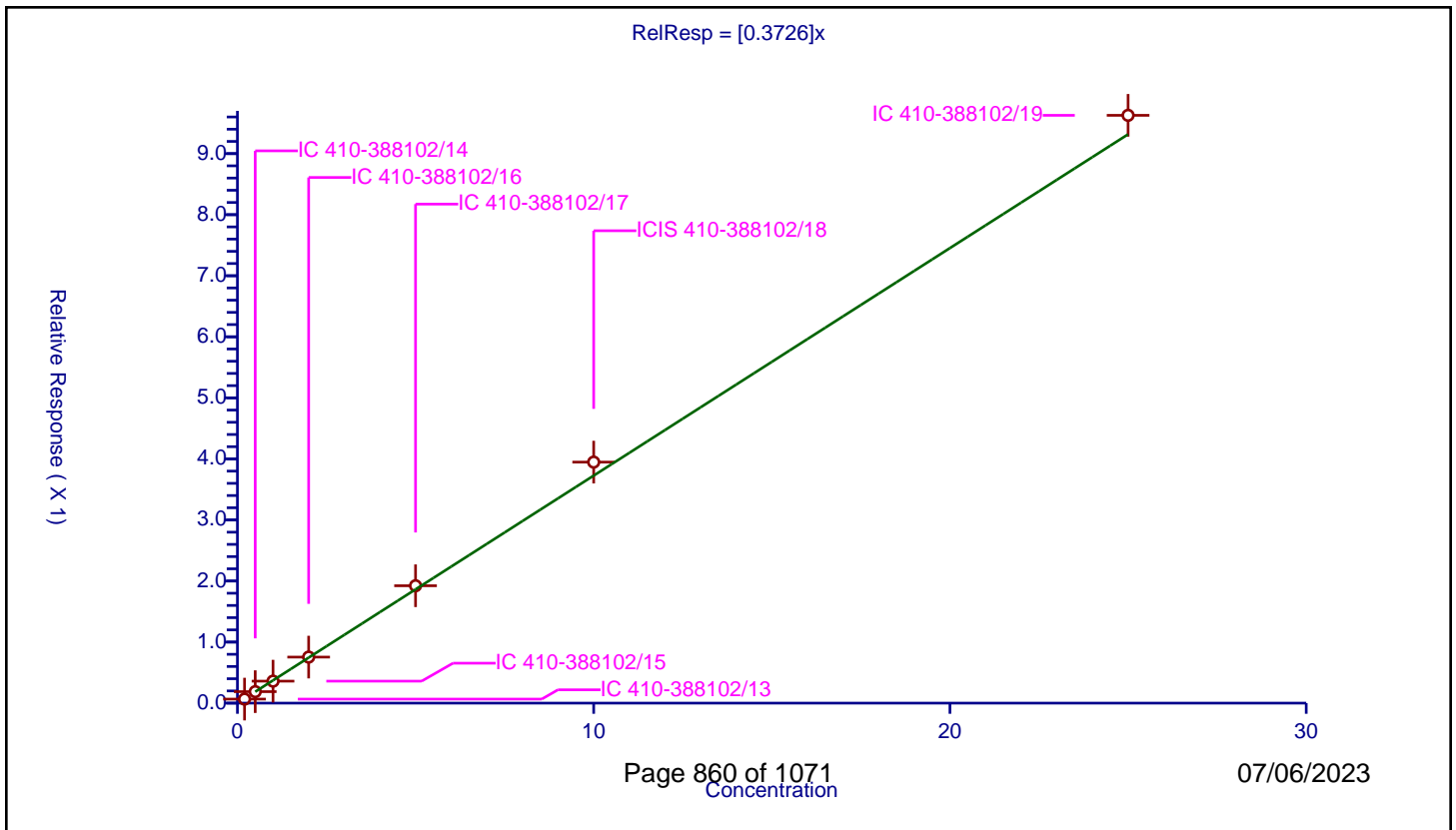
/ Chlorodibromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3726

Error Coefficients	
Standard Error:	649000
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 410-388102/13	0.2	0.066215	10.0	1414940.0	0.331074	Y
2	IC 410-388102/14	0.5	0.188022	10.0	1381168.0	0.376044	Y
3	IC 410-388102/15	1.0	0.359971	10.0	1413947.0	0.359971	Y
4	IC 410-388102/16	2.0	0.754113	10.0	1411844.0	0.377057	Y
5	IC 410-388102/17	5.0	1.922657	10.0	1479531.0	0.384531	Y
6	ICIS 410-388102/18	10.0	3.947677	10.0	1439976.0	0.394768	Y
7	IC 410-388102/19	25.0	9.627068	10.0	1508853.0	0.385083	Y



Calibration

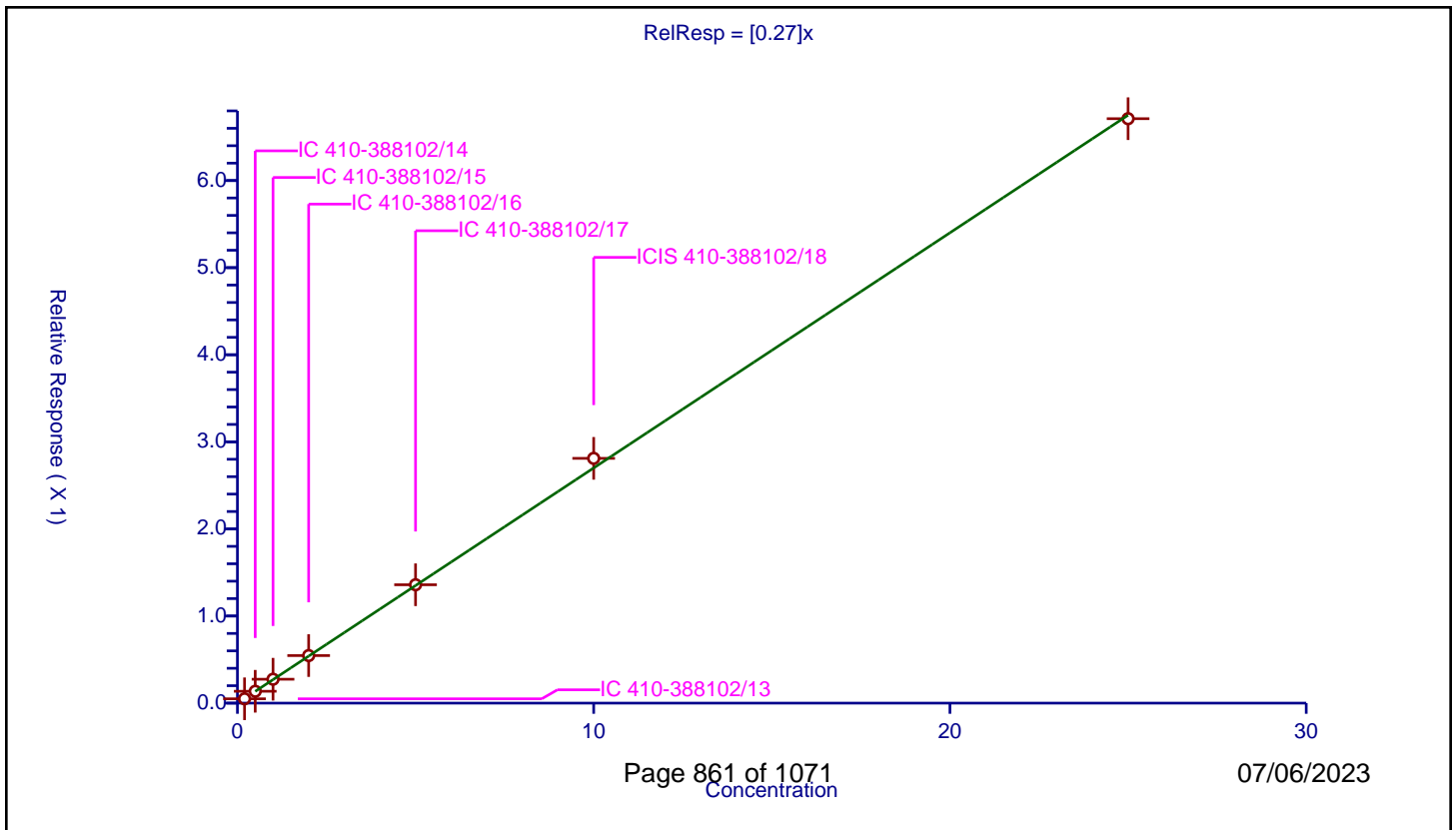
/ Ethylene Dibromide

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

Curve Coefficients	
Intercept:	0
Slope:	0.27

Error Coefficients	
Standard Error:	454000
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 410-388102/13	0.2	0.049804	10.0	1414940.0	0.249021	Y
2	IC 410-388102/14	0.5	0.136225	10.0	1381168.0	0.272451	Y
3	IC 410-388102/15	1.0	0.274459	10.0	1413947.0	0.274459	Y
4	IC 410-388102/16	2.0	0.545882	10.0	1411844.0	0.272941	Y
5	IC 410-388102/17	5.0	1.359052	10.0	1479531.0	0.27181	Y
6	ICIS 410-388102/18	10.0	2.810345	10.0	1439976.0	0.281035	Y
7	IC 410-388102/19	25.0	6.710495	10.0	1508853.0	0.26842	Y



Calibration

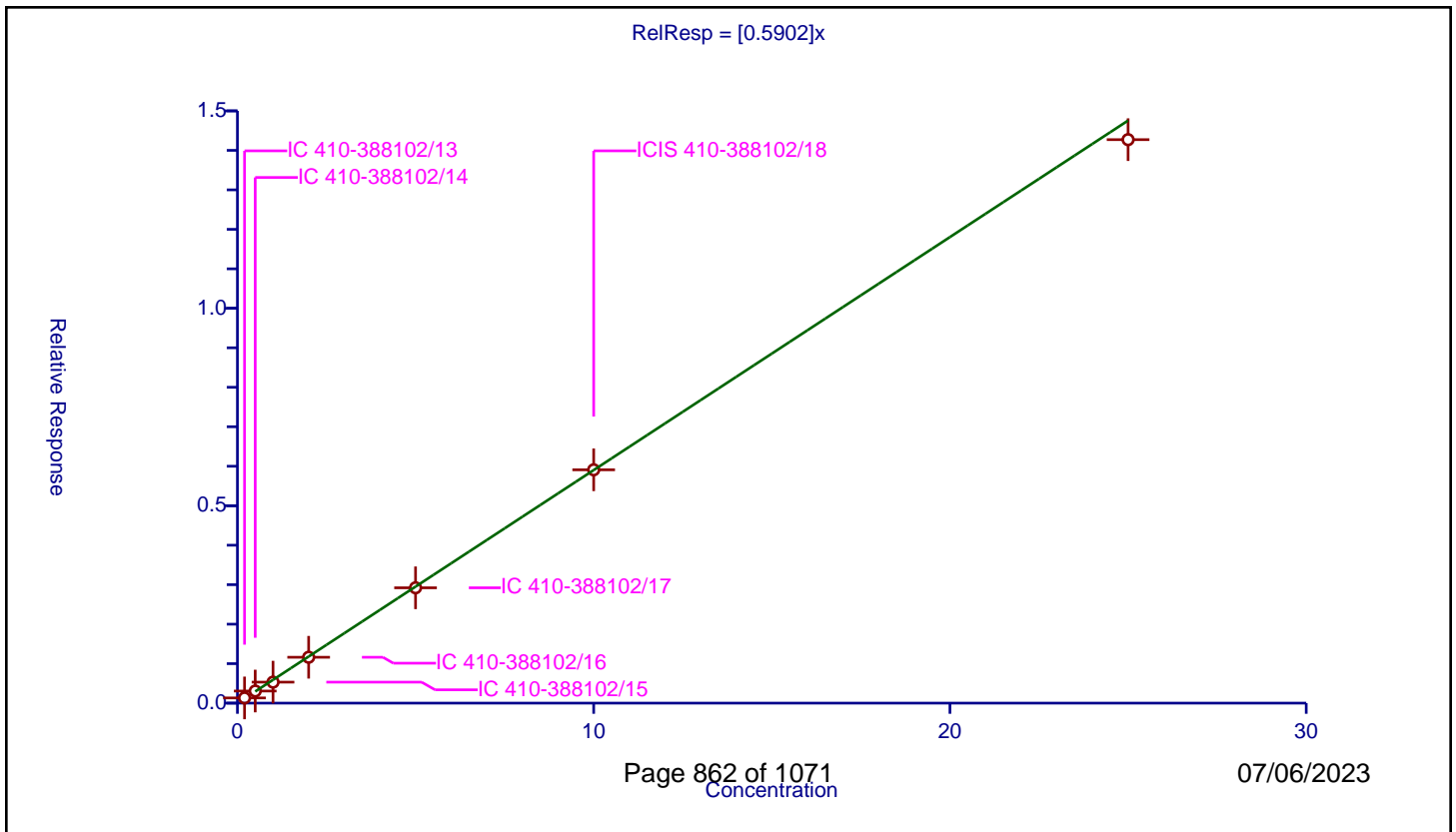
/ 1-Chlorohexane

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

Curve Coefficients	
Intercept:	0
Slope:	0.5902

Error Coefficients	
Standard Error:	965000
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 410-388102/13	0.2	0.131822	10.0	1414940.0	0.659109	Y
2	IC 410-388102/14	0.5	0.306653	10.0	1381168.0	0.613307	Y
3	IC 410-388102/15	1.0	0.531823	10.0	1413947.0	0.531823	Y
4	IC 410-388102/16	2.0	1.162076	10.0	1411844.0	0.581038	Y
5	IC 410-388102/17	5.0	2.92146	10.0	1479531.0	0.584292	Y
6	ICIS 410-388102/18	10.0	5.909557	10.0	1439976.0	0.590956	Y
7	IC 410-388102/19	25.0	14.271715	10.0	1508853.0	0.570869	Y



Calibration

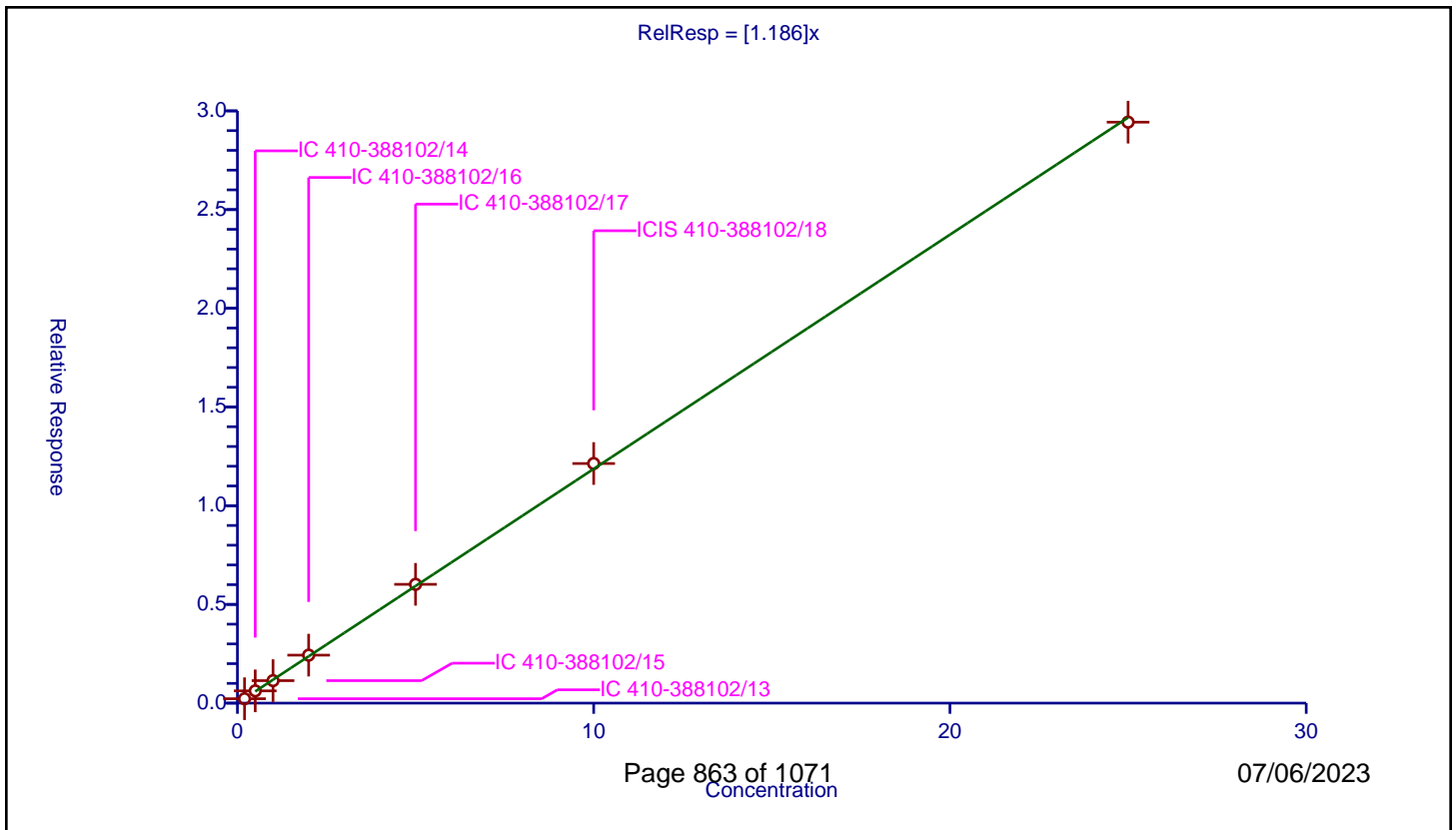
/ Chlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.186

Error Coefficients	
Standard Error:	1990000
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 410-388102/13	0.2	0.2229	10.0	1414940.0	1.1145	Y
2	IC 410-388102/14	0.5	0.621054	10.0	1381168.0	1.242108	Y
3	IC 410-388102/15	1.0	1.138939	10.0	1413947.0	1.138939	Y
4	IC 410-388102/16	2.0	2.430701	10.0	1411844.0	1.21535	Y
5	IC 410-388102/17	5.0	6.017427	10.0	1479531.0	1.203485	Y
6	ICIS 410-388102/18	10.0	12.136834	10.0	1439976.0	1.213683	Y
7	IC 410-388102/19	25.0	29.429852	10.0	1508853.0	1.177194	Y



Calibration

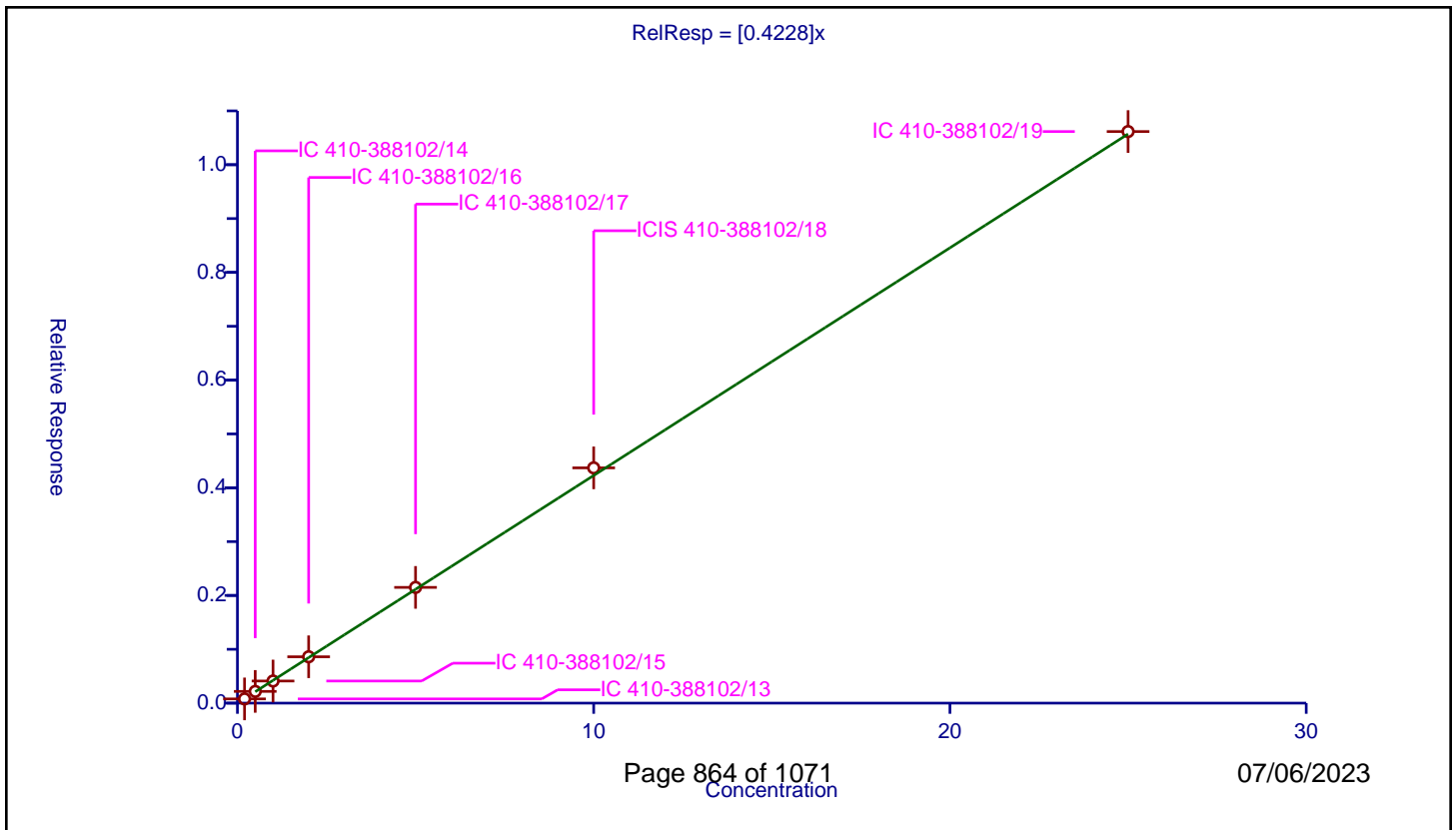
/ 1,1,1,2-Tetrachloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4228

Error Coefficients	
Standard Error:	717000
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 410-388102/13	0.2	0.07818	10.0	1414940.0	0.3909	Y
2	IC 410-388102/14	0.5	0.218141	10.0	1381168.0	0.436283	Y
3	IC 410-388102/15	1.0	0.410638	10.0	1413947.0	0.410638	Y
4	IC 410-388102/16	2.0	0.860867	10.0	1411844.0	0.430434	Y
5	IC 410-388102/17	5.0	2.149526	10.0	1479531.0	0.429905	Y
6	ICIS 410-388102/18	10.0	4.36992	10.0	1439976.0	0.436992	Y
7	IC 410-388102/19	25.0	10.616296	10.0	1508853.0	0.424652	Y



Calibration

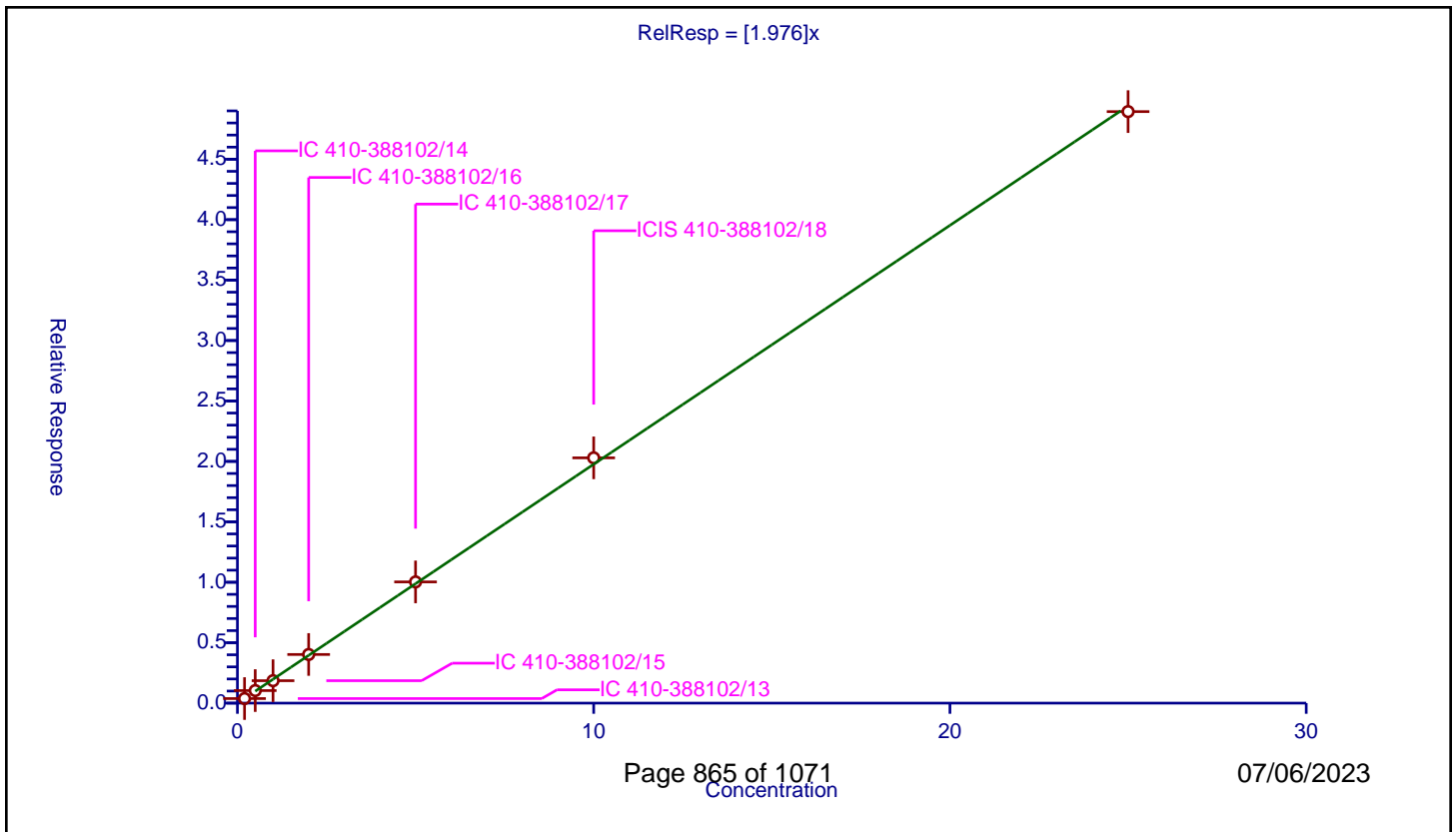
/ Ethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.976

Error Coefficients	
Standard Error:	3310000
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 410-388102/13	0.2	0.378737	10.0	1414940.0	1.893685	Y
2	IC 410-388102/14	0.5	1.03894	10.0	1381168.0	2.077879	Y
3	IC 410-388102/15	1.0	1.857559	10.0	1413947.0	1.857559	Y
4	IC 410-388102/16	2.0	4.025785	10.0	1411844.0	2.012892	Y
5	IC 410-388102/17	5.0	10.028833	10.0	1479531.0	2.005767	Y
6	ICIS 410-388102/18	10.0	20.293755	10.0	1439976.0	2.029375	Y
7	IC 410-388102/19	25.0	48.940765	10.0	1508853.0	1.957631	Y



Calibration

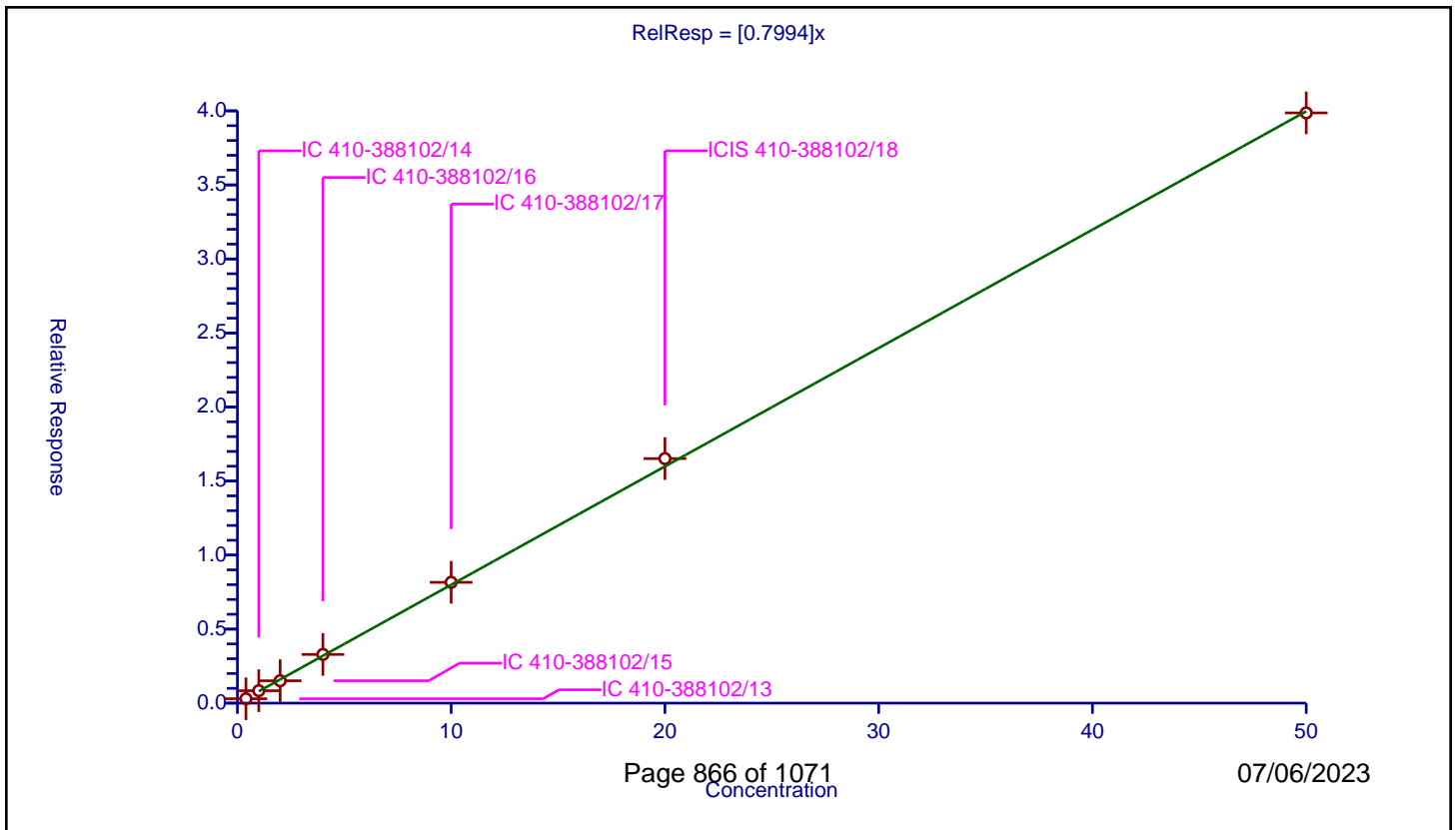
/ m-Xylene & p-Xylene

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

Curve Coefficients	
Intercept:	0
Slope:	0.7994

Error Coefficients	
Standard Error:	2690000
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 410-388102/13	0.4	0.295779	10.0	1414940.0	0.739448	Y
2	IC 410-388102/14	1.0	0.838906	10.0	1381168.0	0.838906	Y
3	IC 410-388102/15	2.0	1.512383	10.0	1413947.0	0.756192	Y
4	IC 410-388102/16	4.0	3.288876	10.0	1411844.0	0.822219	Y
5	IC 410-388102/17	10.0	8.158565	10.0	1479531.0	0.815857	Y
6	ICIS 410-388102/18	20.0	16.515942	10.0	1439976.0	0.825797	Y
7	IC 410-388102/19	50.0	39.864129	10.0	1508853.0	0.797283	Y



Calibration

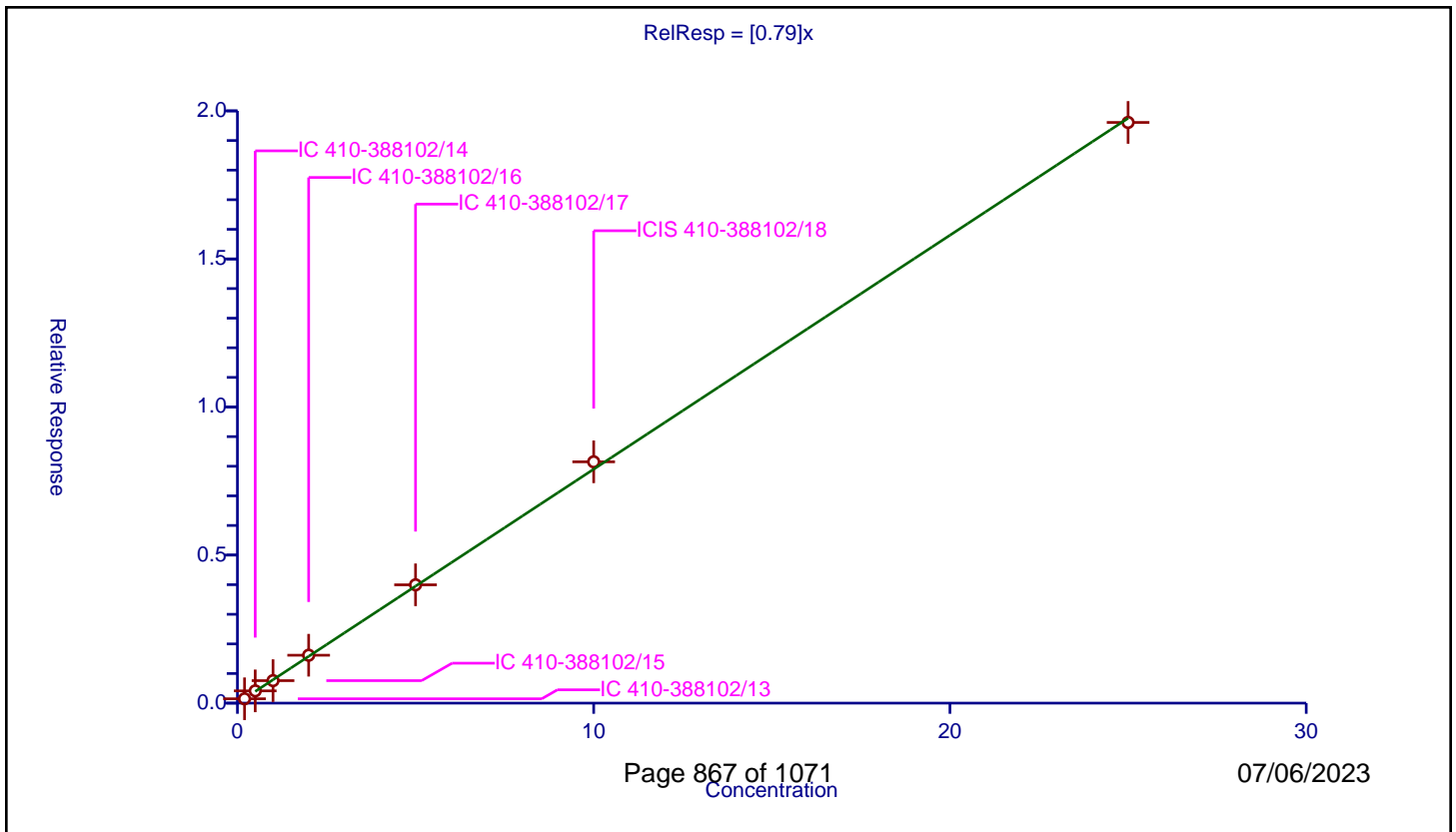
/ o-Xylene

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

Curve Coefficients	
Intercept:	0
Slope:	0.79

Error Coefficients	
Standard Error:	1330000
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 410-388102/13	0.2	0.147003	10.0	1414940.0	0.735013	Y
2	IC 410-388102/14	0.5	0.414222	10.0	1381168.0	0.828444	Y
3	IC 410-388102/15	1.0	0.75971	10.0	1413947.0	0.75971	Y
4	IC 410-388102/16	2.0	1.617487	10.0	1411844.0	0.808744	Y
5	IC 410-388102/17	5.0	3.995246	10.0	1479531.0	0.799049	Y
6	ICIS 410-388102/18	10.0	8.149566	10.0	1439976.0	0.814957	Y
7	IC 410-388102/19	25.0	19.609491	10.0	1508853.0	0.78438	Y



Calibration

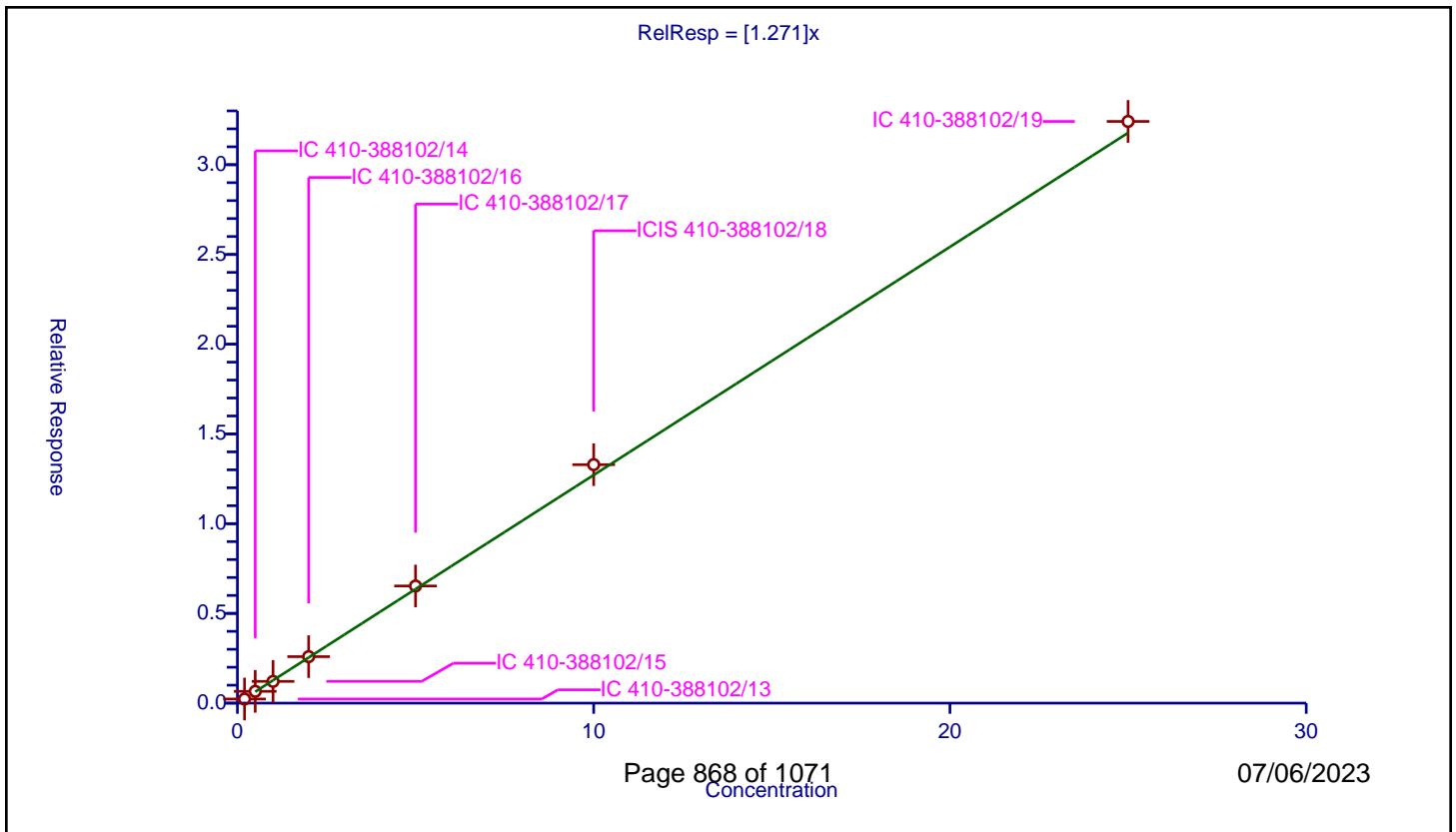
/ Styrene

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

Curve Coefficients	
Intercept:	0
Slope:	1.271

Error Coefficients	
Standard Error:	2190000
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 410-388102/13	0.2	0.229077	10.0	1414940.0	1.145384	Y
2	IC 410-388102/14	0.5	0.657161	10.0	1381168.0	1.314322	Y
3	IC 410-388102/15	1.0	1.211785	10.0	1413947.0	1.211785	Y
4	IC 410-388102/16	2.0	2.590414	10.0	1411844.0	1.295207	Y
5	IC 410-388102/17	5.0	6.527379	10.0	1479531.0	1.305476	Y
6	ICIS 410-388102/18	10.0	13.287666	10.0	1439976.0	1.328767	Y
7	IC 410-388102/19	25.0	32.412574	10.0	1508853.0	1.296503	Y



Calibration

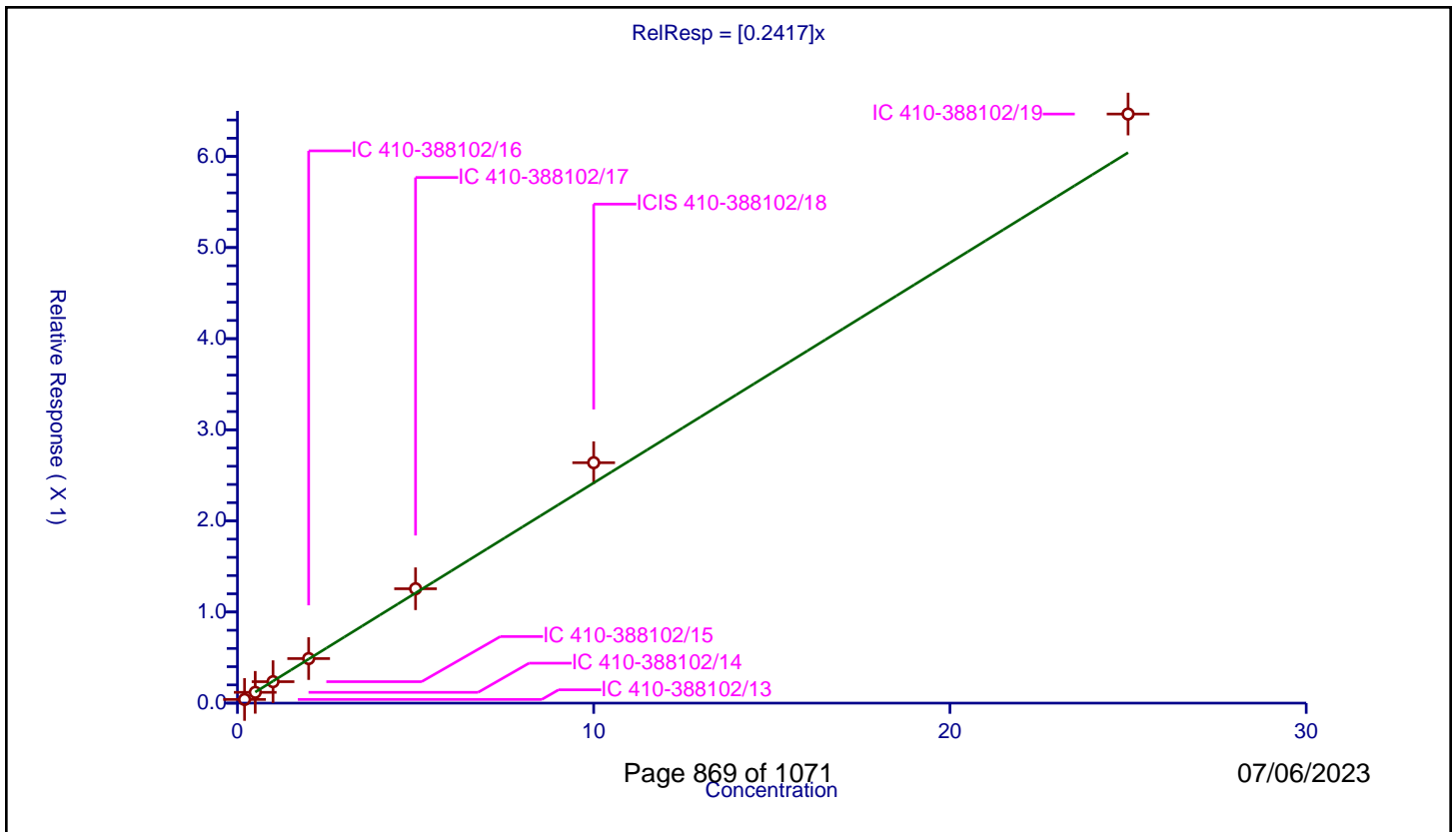
/ Bromoform

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

Curve Coefficients	
Intercept:	0
Slope:	0.2417

Error Coefficients	
Standard Error:	435000
Relative Standard Error:	8.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	0.2	0.040242	10.0	1414940.0	0.20121	Y
2	IC 410-388102/14	0.5	0.11853	10.0	1381168.0	0.23706	Y
3	IC 410-388102/15	1.0	0.235532	10.0	1413947.0	0.235532	Y
4	IC 410-388102/16	2.0	0.488815	10.0	1411844.0	0.244407	Y
5	IC 410-388102/17	5.0	1.255296	10.0	1479531.0	0.251059	Y
6	ICIS 410-388102/18	10.0	2.638975	10.0	1439976.0	0.263897	Y
7	IC 410-388102/19	25.0	6.46562	10.0	1508853.0	0.258625	Y



Calibration

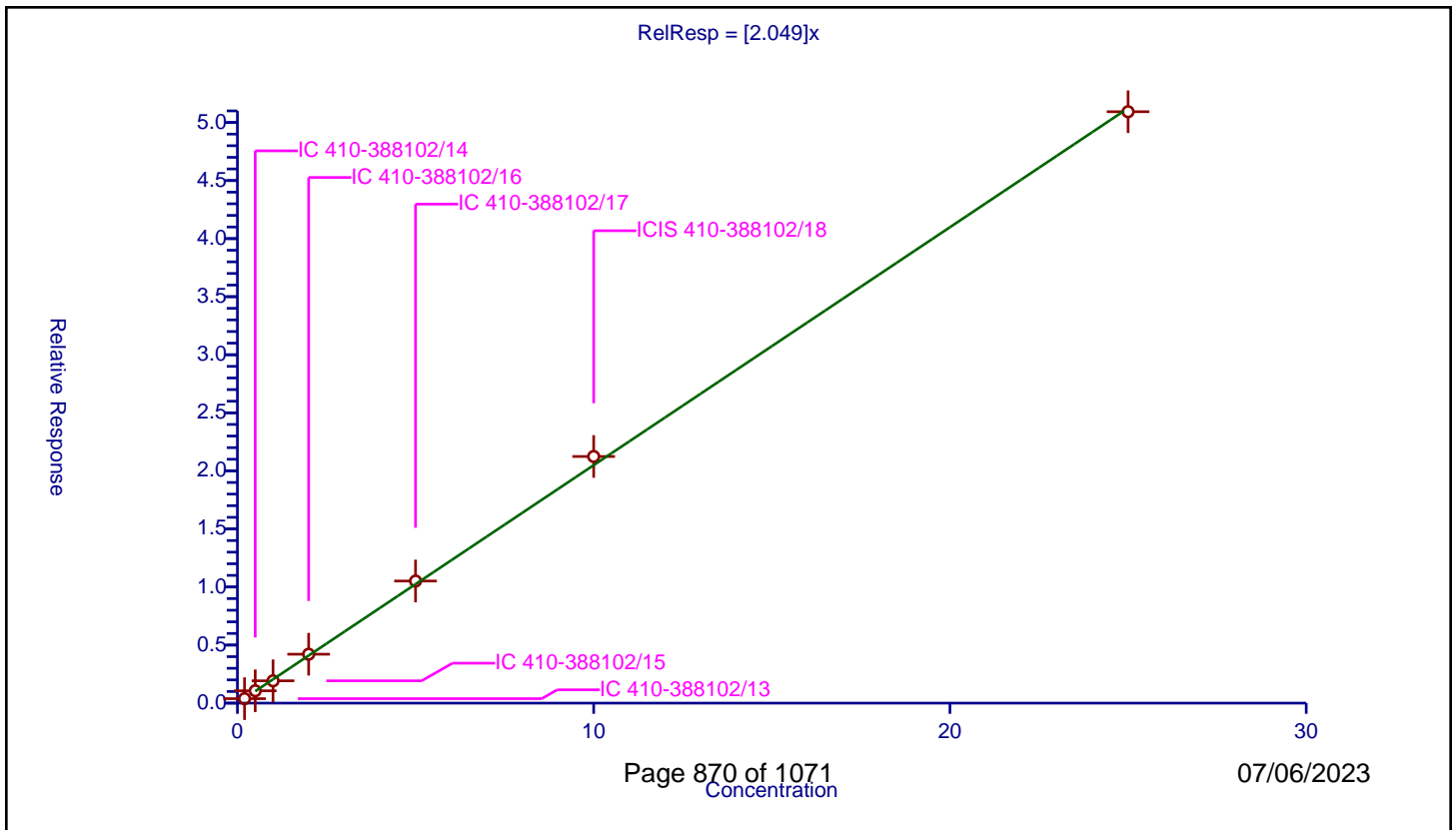
/ Isopropylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	2.049

Error Coefficients	
Standard Error:	3450000
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 410-388102/13	0.2	0.385069	10.0	1414940.0	1.925347	Y
2	IC 410-388102/14	0.5	1.064012	10.0	1381168.0	2.128025	Y
3	IC 410-388102/15	1.0	1.919839	10.0	1413947.0	1.919839	Y
4	IC 410-388102/16	2.0	4.213128	10.0	1411844.0	2.106564	Y
5	IC 410-388102/17	5.0	10.514231	10.0	1479531.0	2.102846	Y
6	ICIS 410-388102/18	10.0	21.240236	10.0	1439976.0	2.124024	Y
7	IC 410-388102/19	25.0	50.929222	10.0	1508853.0	2.037169	Y



Calibration

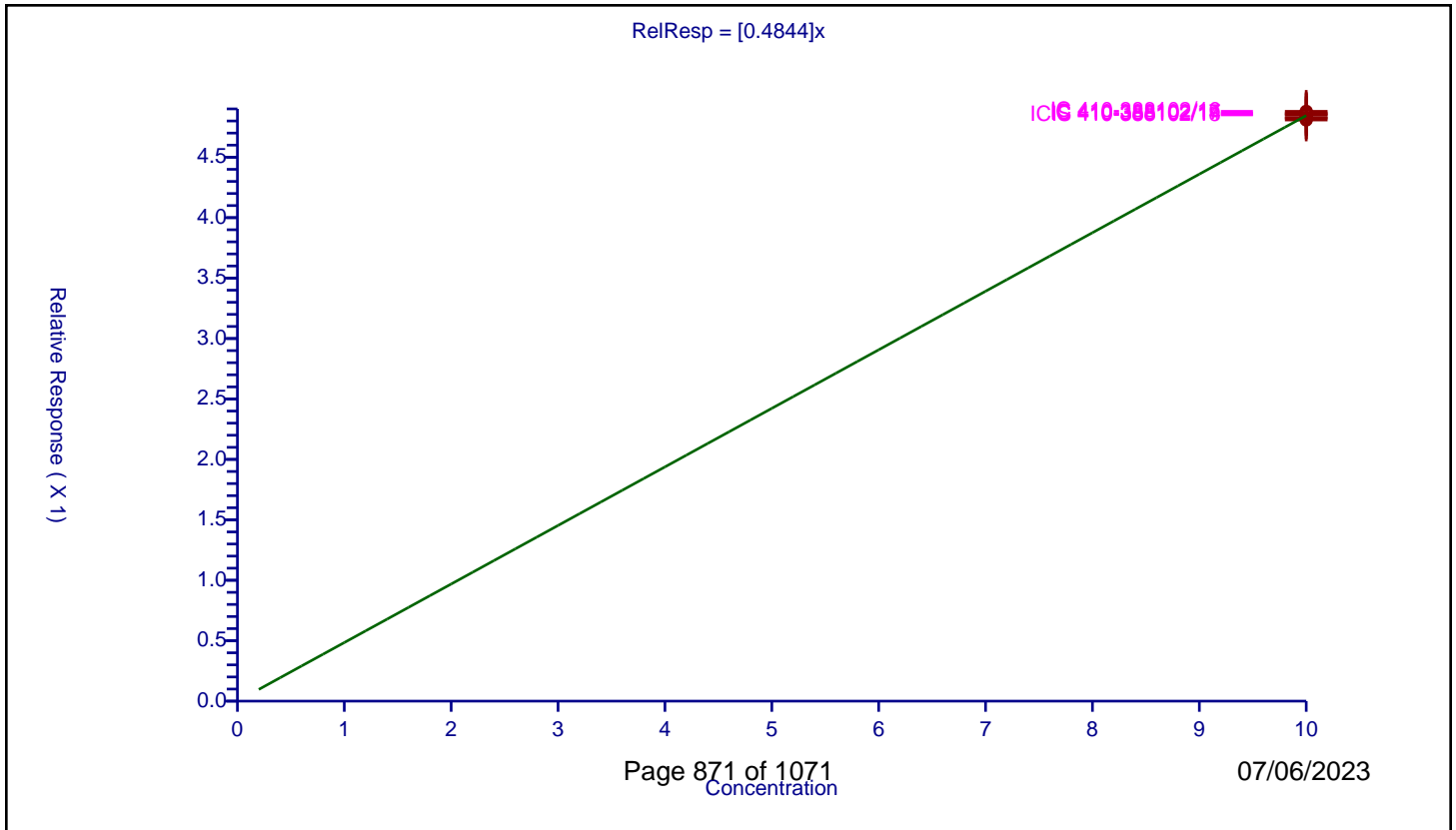
/ 4-Bromofluorobenzene (Surr)

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

Curve Coefficients	
Intercept:	0
Slope:	0.4844

Error Coefficients	
Standard Error:	752000
Relative Standard Error:	0.5
Correlation Coefficient:	0
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	10.0	4.828813	10.0	1414940.0	0.482881	Y
2	IC 410-388102/14	10.0	4.855231	10.0	1381168.0	0.485523	Y
3	IC 410-388102/15	10.0	4.823894	10.0	1413947.0	0.482389	Y
4	IC 410-388102/16	10.0	4.87981	10.0	1411844.0	0.487981	Y
5	IC 410-388102/17	10.0	4.865332	10.0	1479531.0	0.486533	Y
6	ICIS 410-388102/18	10.0	4.850386	10.0	1439976.0	0.485039	Y
7	IC 410-388102/19	10.0	4.808003	10.0	1508853.0	0.4808	Y



Calibration

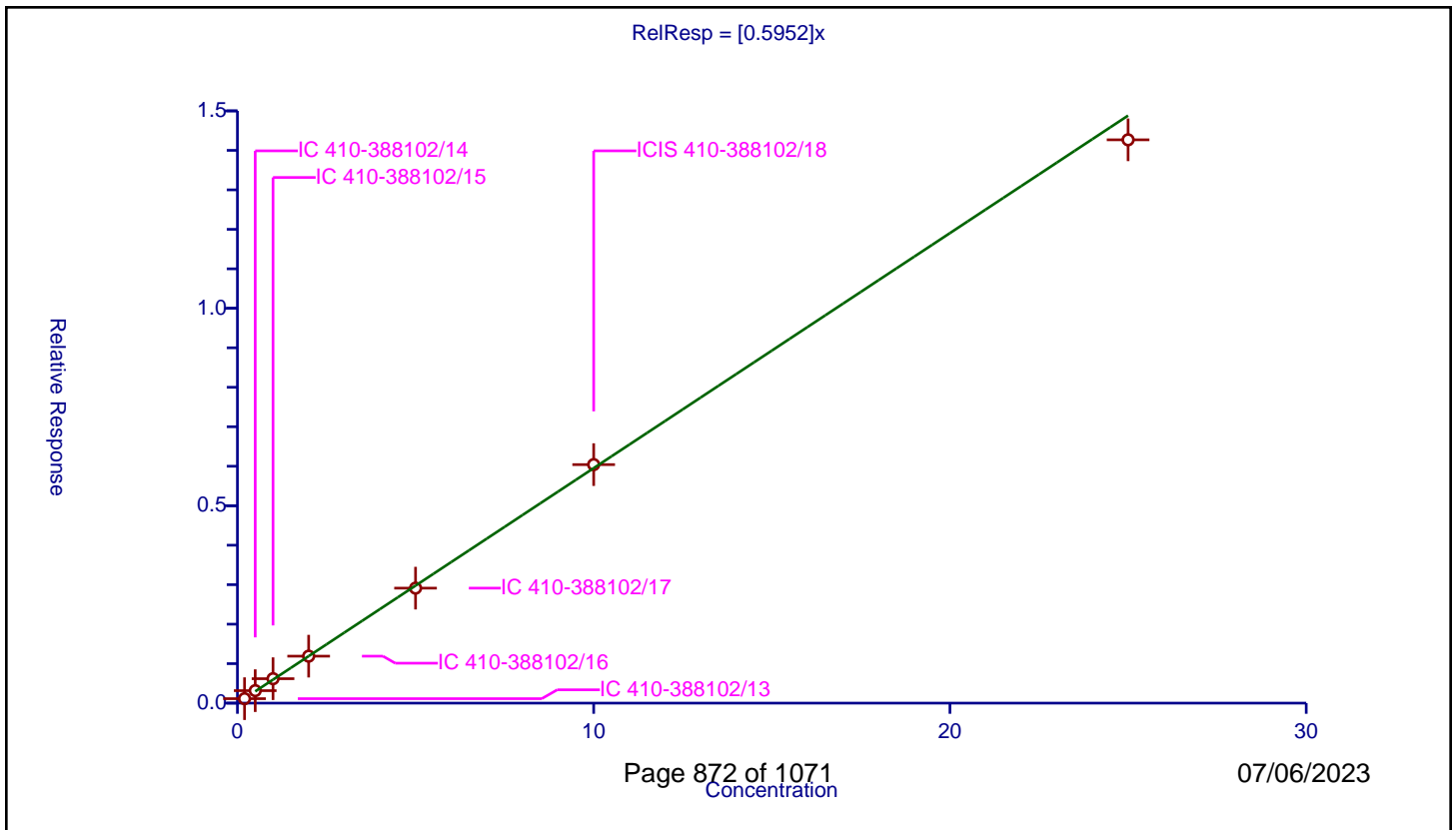
/ 1,1,2,2-Tetrachloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.5952

Error Coefficients	
Standard Error:	589000
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 410-388102/13	0.2	0.112743	10.0	868350.0	0.563713	Y
2	IC 410-388102/14	0.5	0.316	10.0	834938.0	0.631999	Y
3	IC 410-388102/15	1.0	0.618728	10.0	851085.0	0.618728	Y
4	IC 410-388102/16	2.0	1.189803	10.0	870354.0	0.594902	Y
5	IC 410-388102/17	5.0	2.912329	10.0	910481.0	0.582466	Y
6	ICIS 410-388102/18	10.0	6.041052	10.0	884528.0	0.604105	Y
7	IC 410-388102/19	25.0	14.267582	10.0	917393.0	0.570703	Y



Calibration

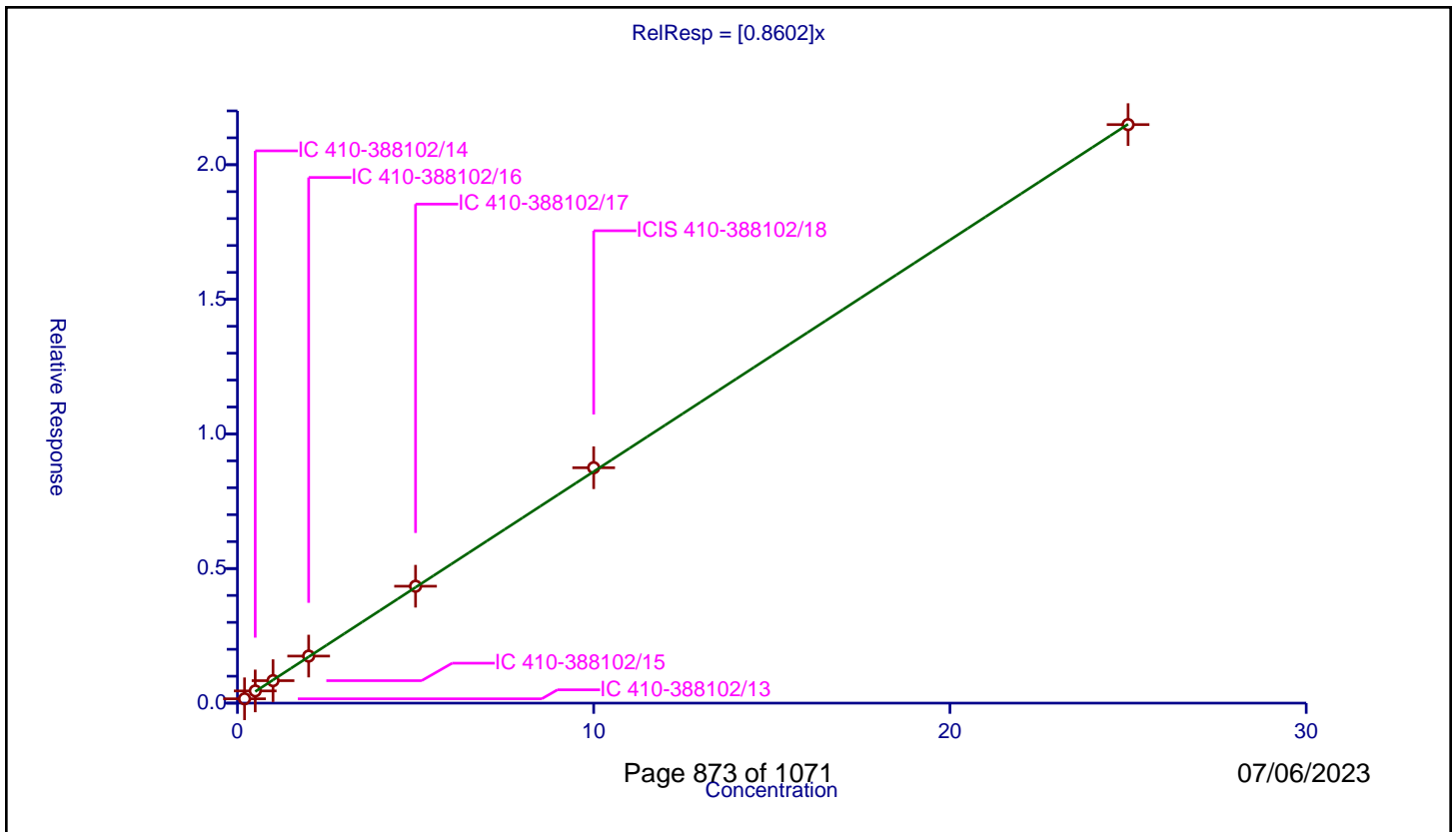
/ Bromobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.8602

Error Coefficients	
Standard Error:	882000
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 410-388102/13	0.2	0.16058	10.0	868350.0	0.802902	Y
2	IC 410-388102/14	0.5	0.453567	10.0	834938.0	0.907133	Y
3	IC 410-388102/15	1.0	0.834969	10.0	851085.0	0.834969	Y
4	IC 410-388102/16	2.0	1.748059	10.0	870354.0	0.874029	Y
5	IC 410-388102/17	5.0	4.343144	10.0	910481.0	0.868629	Y
6	ICIS 410-388102/18	10.0	8.744019	10.0	884528.0	0.874402	Y
7	IC 410-388102/19	25.0	21.490484	10.0	917393.0	0.859619	Y



Calibration

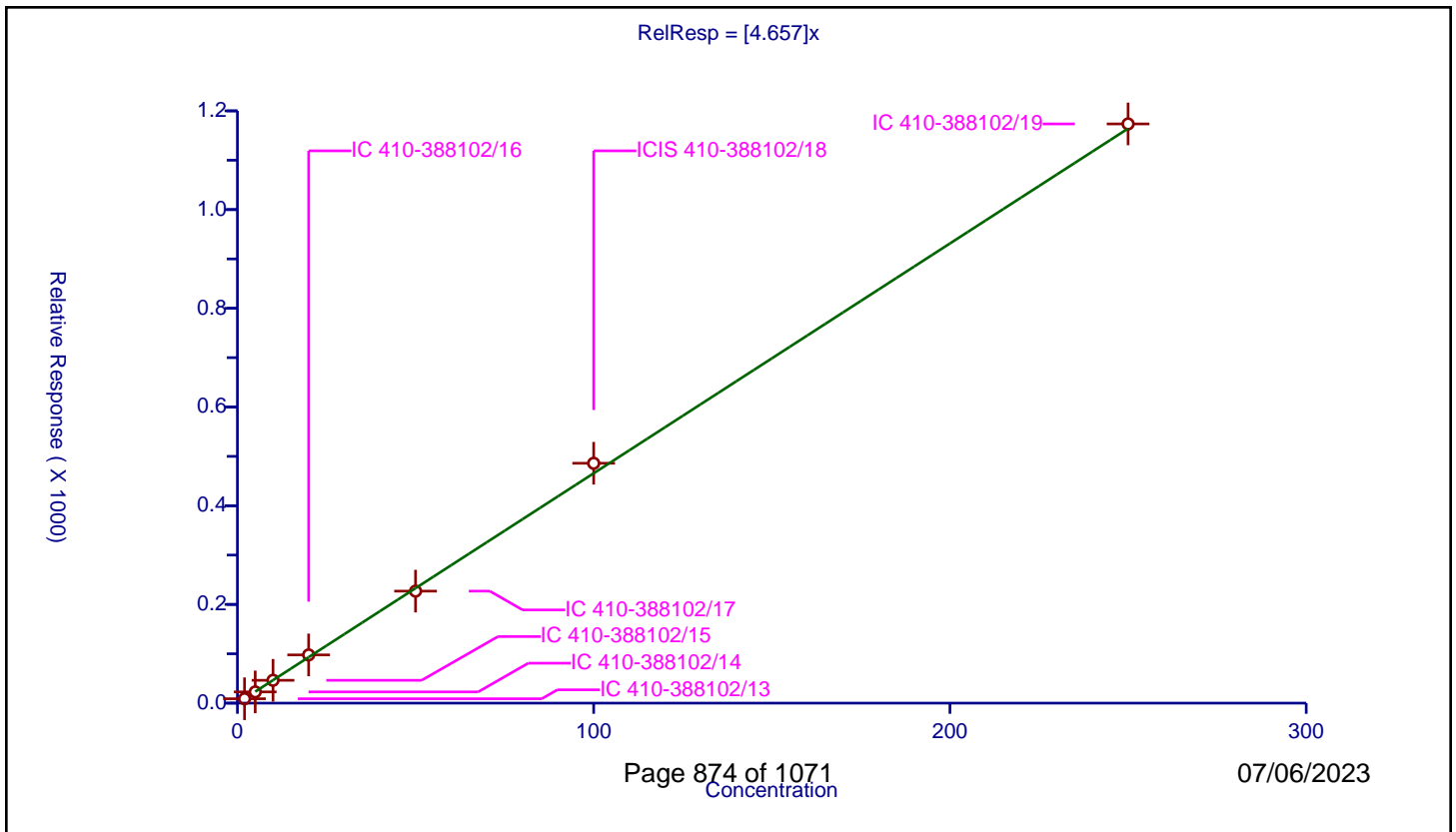
/ trans-1,4-Dichloro-2-butene

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

Curve Coefficients	
Intercept:	0
Slope:	4.657

Error Coefficients	
Standard Error:	1420000
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 410-388102/13	2.0	8.892698	50.0	116680.0	4.446349	Y
2	IC 410-388102/14	5.0	22.736748	50.0	132398.0	4.54735	Y
3	IC 410-388102/15	10.0	46.249111	50.0	133555.0	4.624911	Y
4	IC 410-388102/16	20.0	97.724859	50.0	127135.0	4.886243	Y
5	IC 410-388102/17	50.0	226.933437	50.0	139221.0	4.538669	Y
6	ICIS 410-388102/18	100.0	486.01147	50.0	130775.0	4.860115	Y
7	IC 410-388102/19	250.0	1173.559503	50.0	134884.0	4.694238	Y



Calibration

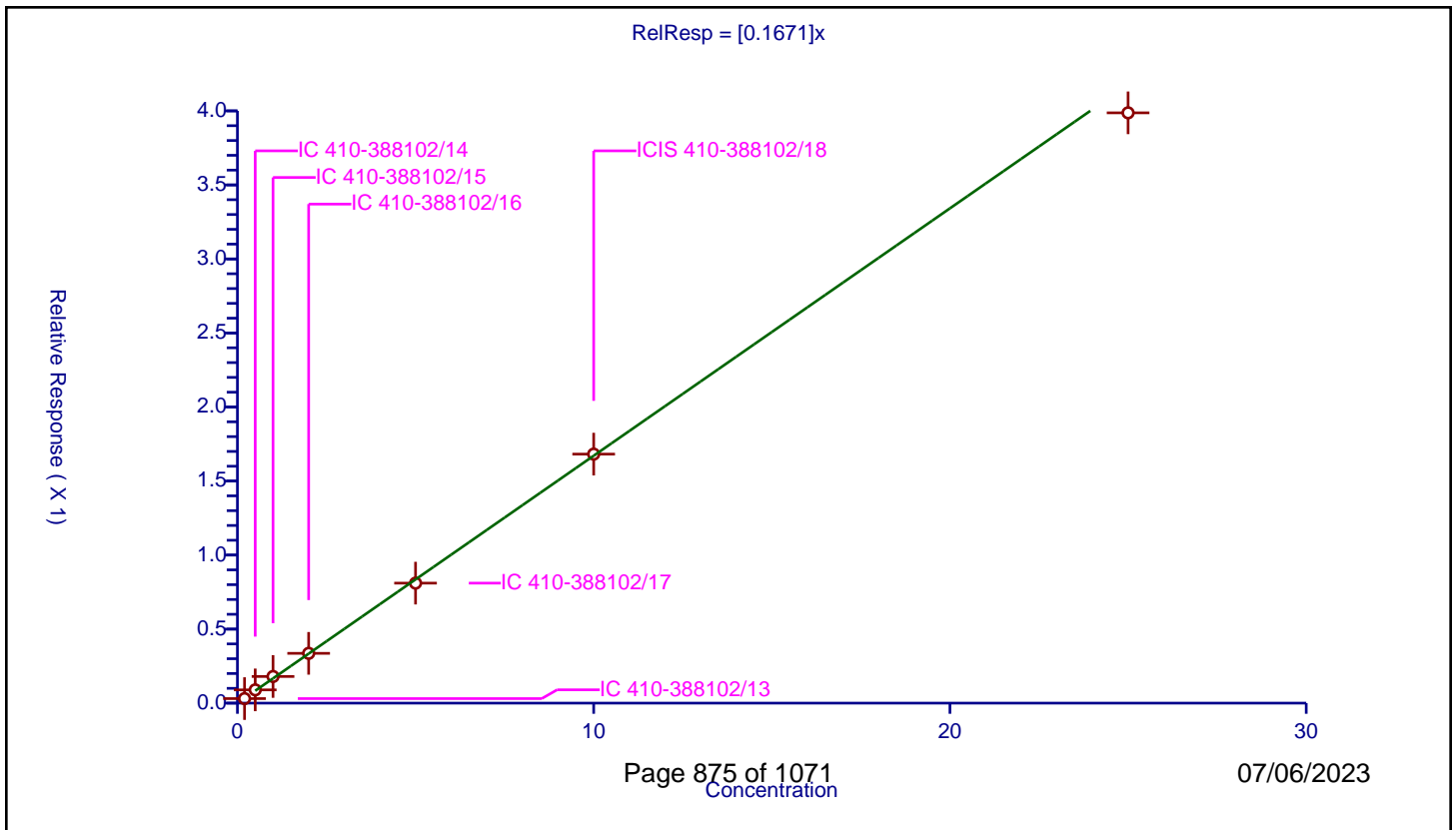
/ 1,2,3-Trichloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.1671

Error Coefficients	
Standard Error:	165000
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 410-388102/13	0.2	0.030587	10.0	868350.0	0.152934	Y
2	IC 410-388102/14	0.5	0.089456	10.0	834938.0	0.178911	Y
3	IC 410-388102/15	1.0	0.179912	10.0	851085.0	0.179912	Y
4	IC 410-388102/16	2.0	0.336242	10.0	870354.0	0.168121	Y
5	IC 410-388102/17	5.0	0.810462	10.0	910481.0	0.162092	Y
6	ICIS 410-388102/18	10.0	1.681846	10.0	884528.0	0.168185	Y
7	IC 410-388102/19	25.0	3.986841	10.0	917393.0	0.159474	Y



Calibration

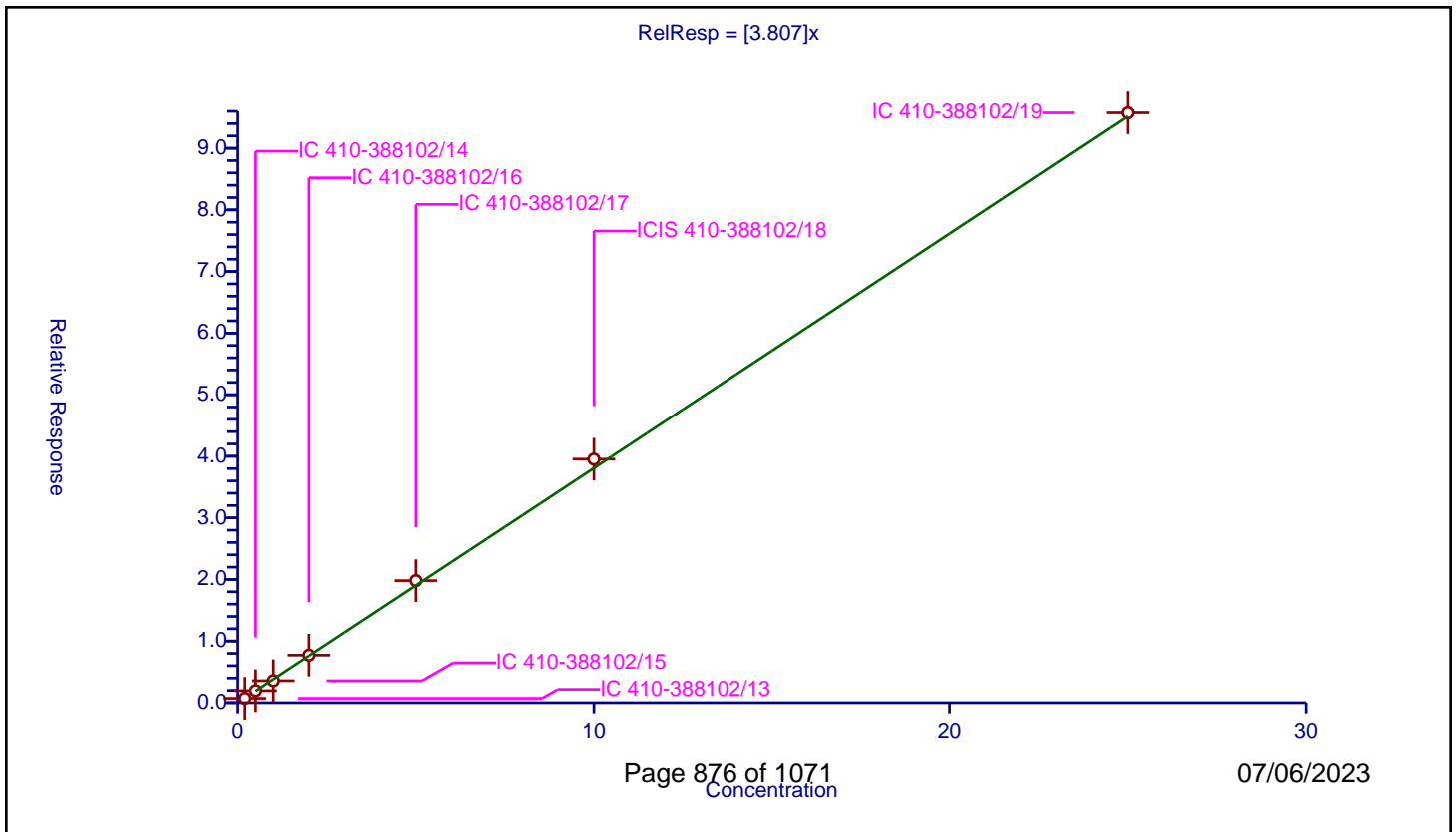
/ N-Propylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	3.807

Error Coefficients	
Standard Error:	3940000
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 410-388102/13	0.2	0.71523	10.0	868350.0	3.57615	Y
2	IC 410-388102/14	0.5	1.95466	10.0	834938.0	3.90932	Y
3	IC 410-388102/15	1.0	3.563122	10.0	851085.0	3.563122	Y
4	IC 410-388102/16	2.0	7.712885	10.0	870354.0	3.856442	Y
5	IC 410-388102/17	5.0	19.813209	10.0	910481.0	3.962642	Y
6	ICIS 410-388102/18	10.0	39.541179	10.0	884528.0	3.954118	Y
7	IC 410-388102/19	25.0	95.756355	10.0	917393.0	3.830254	Y



Calibration

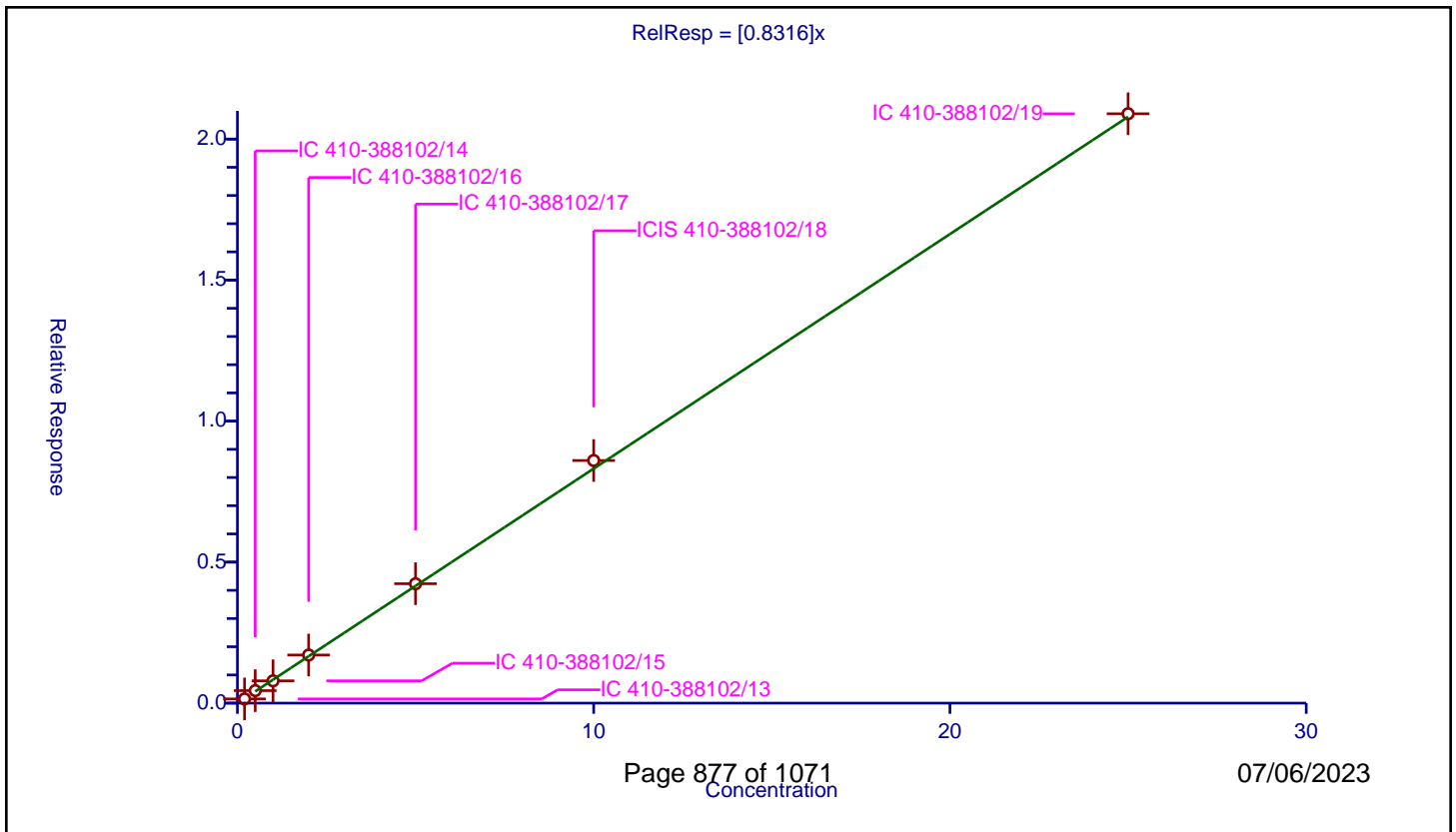
/ 2-Chlorotoluene

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

Curve Coefficients	
Intercept:	0
Slope:	0.8316

Error Coefficients	
Standard Error:	859000
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 410-388102/13	0.2	0.149583	10.0	868350.0	0.747913	Y
2	IC 410-388102/14	0.5	0.442967	10.0	834938.0	0.885934	Y
3	IC 410-388102/15	1.0	0.791026	10.0	851085.0	0.791026	Y
4	IC 410-388102/16	2.0	1.706179	10.0	870354.0	0.85309	Y
5	IC 410-388102/17	5.0	4.233707	10.0	910481.0	0.846741	Y
6	ICIS 410-388102/18	10.0	8.603289	10.0	884528.0	0.860329	Y
7	IC 410-388102/19	25.0	20.898121	10.0	917393.0	0.835925	Y



Calibration

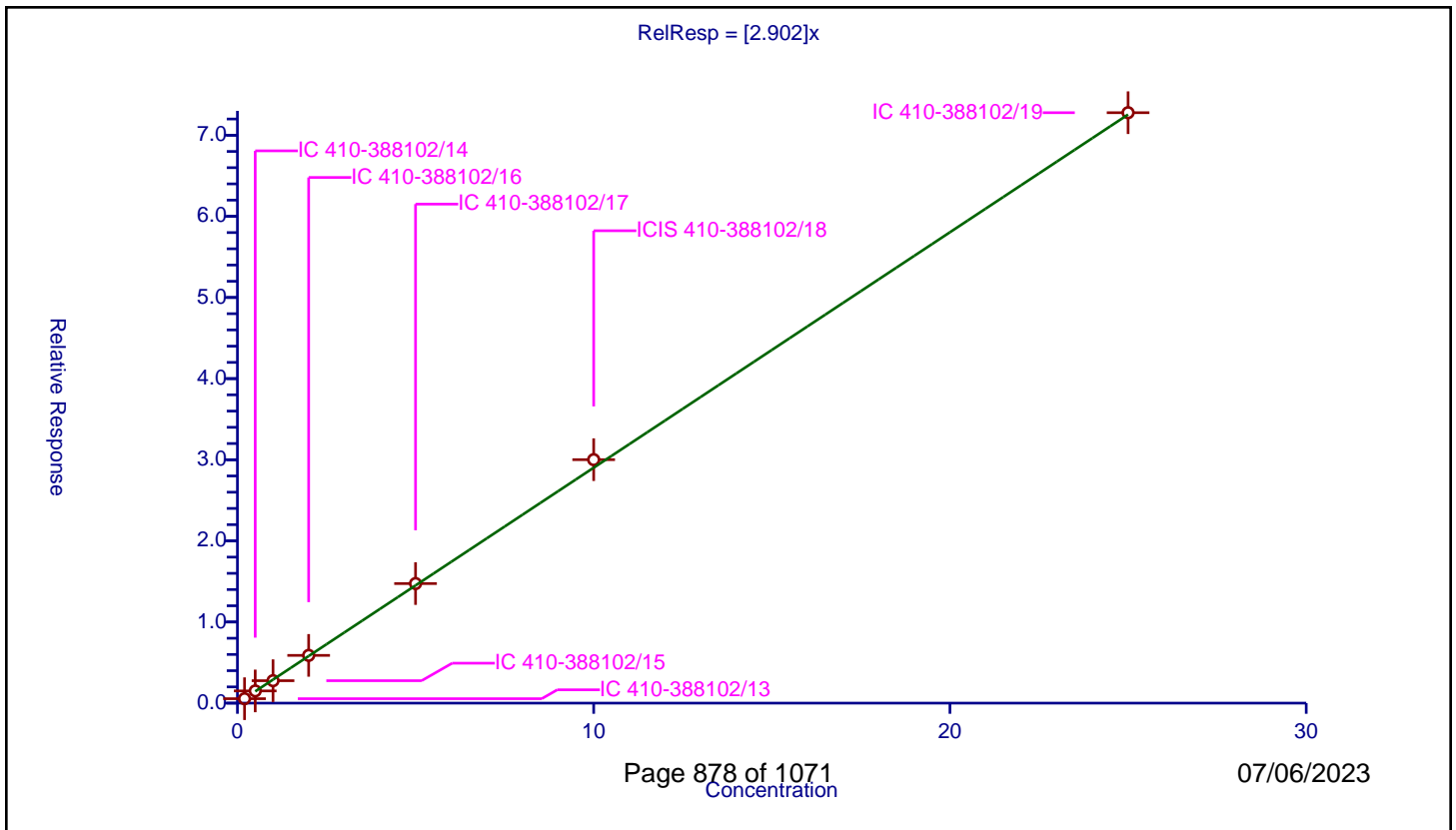
/ 1,3,5-Trimethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	2.902

Error Coefficients	
Standard Error:	2990000
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 410-388102/13	0.2	0.547084	10.0	868350.0	2.735418	Y
2	IC 410-388102/14	0.5	1.504207	10.0	834938.0	3.008415	Y
3	IC 410-388102/15	1.0	2.766927	10.0	851085.0	2.766927	Y
4	IC 410-388102/16	2.0	5.88549	10.0	870354.0	2.942745	Y
5	IC 410-388102/17	5.0	14.739813	10.0	910481.0	2.947963	Y
6	ICIS 410-388102/18	10.0	30.00987	10.0	884528.0	3.000987	Y
7	IC 410-388102/19	25.0	72.778231	10.0	917393.0	2.911129	Y



Calibration

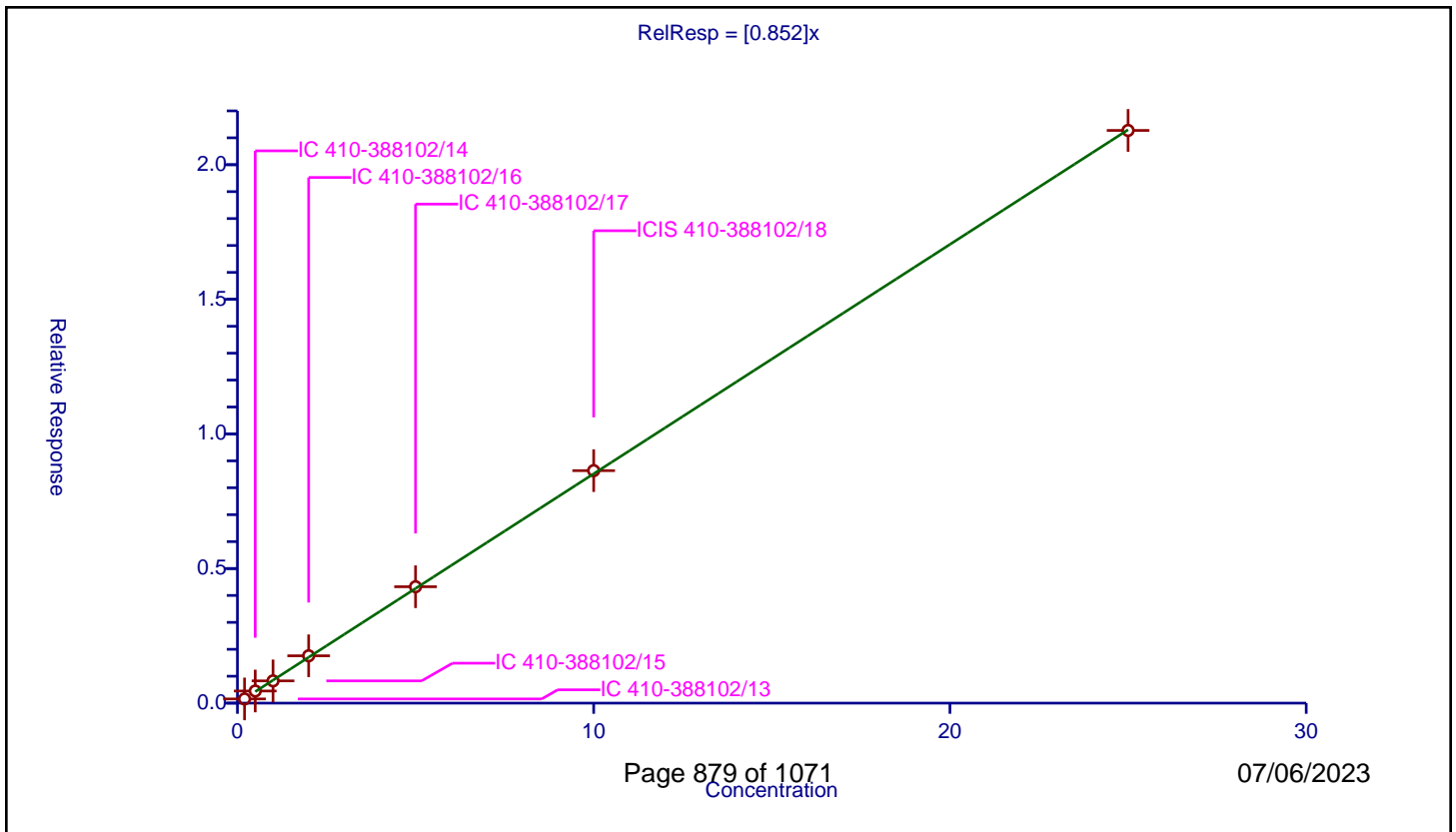
/ 4-Chlorotoluene

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

Curve Coefficients	
Intercept:	0
Slope:	0.852

Error Coefficients	
Standard Error:	873000
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 410-388102/13	0.2	0.155352	10.0	868350.0	0.776761	Y
2	IC 410-388102/14	0.5	0.451063	10.0	834938.0	0.902127	Y
3	IC 410-388102/15	1.0	0.826604	10.0	851085.0	0.826604	Y
4	IC 410-388102/16	2.0	1.758698	10.0	870354.0	0.879349	Y
5	IC 410-388102/17	5.0	4.323561	10.0	910481.0	0.864712	Y
6	ICIS 410-388102/18	10.0	8.63621	10.0	884528.0	0.863621	Y
7	IC 410-388102/19	25.0	21.273326	10.0	917393.0	0.850933	Y



Calibration

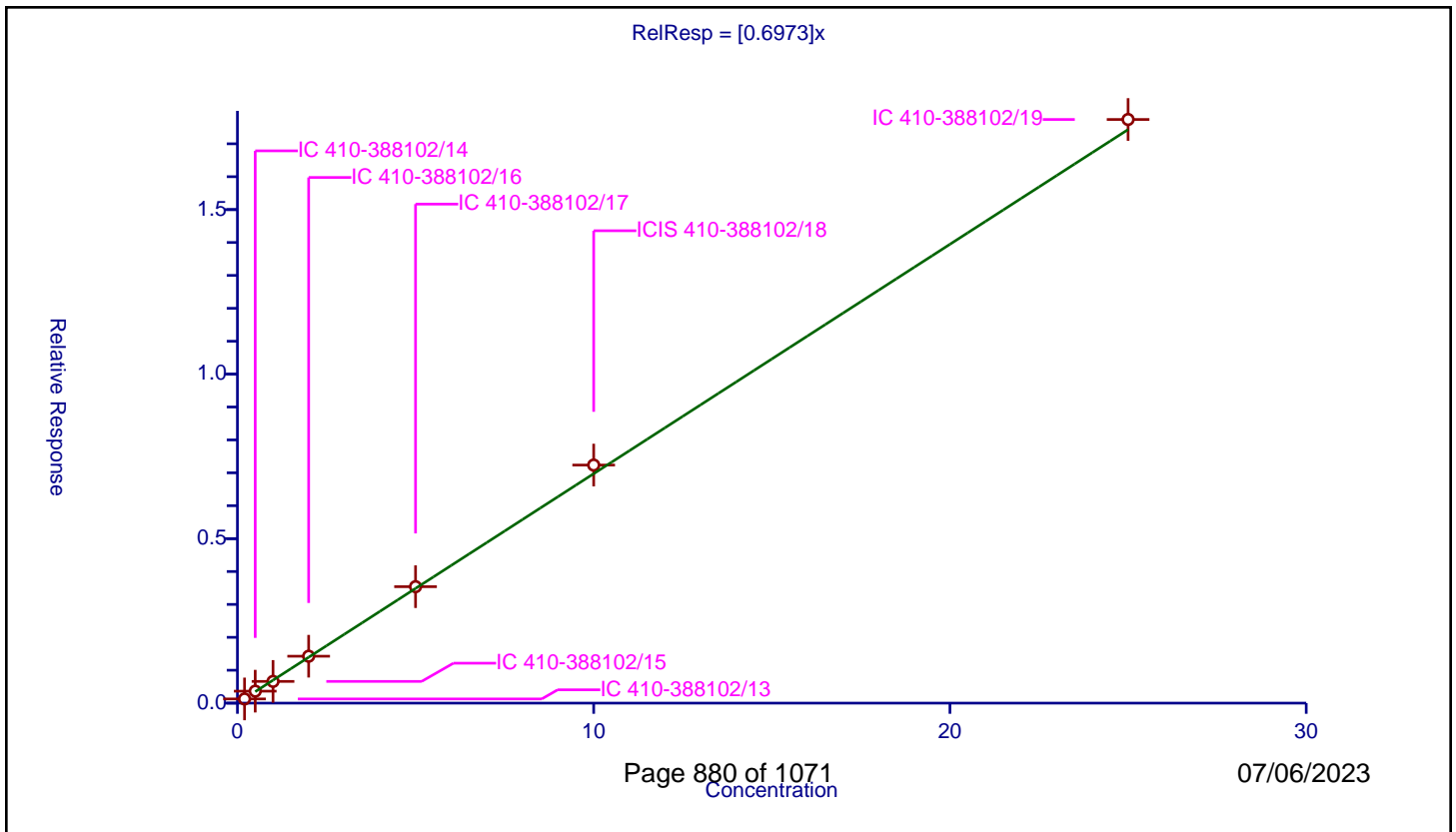
/ tert-Butylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.6973

Error Coefficients	
Standard Error:	728000
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 410-388102/13	0.2	0.127783	10.0	868350.0	0.638913	Y
2	IC 410-388102/14	0.5	0.363991	10.0	834938.0	0.727982	Y
3	IC 410-388102/15	1.0	0.660381	10.0	851085.0	0.660381	Y
4	IC 410-388102/16	2.0	1.42573	10.0	870354.0	0.712865	Y
5	IC 410-388102/17	5.0	3.539404	10.0	910481.0	0.707881	Y
6	ICIS 410-388102/18	10.0	7.235723	10.0	884528.0	0.723572	Y
7	IC 410-388102/19	25.0	17.73821	10.0	917393.0	0.709528	Y



Calibration

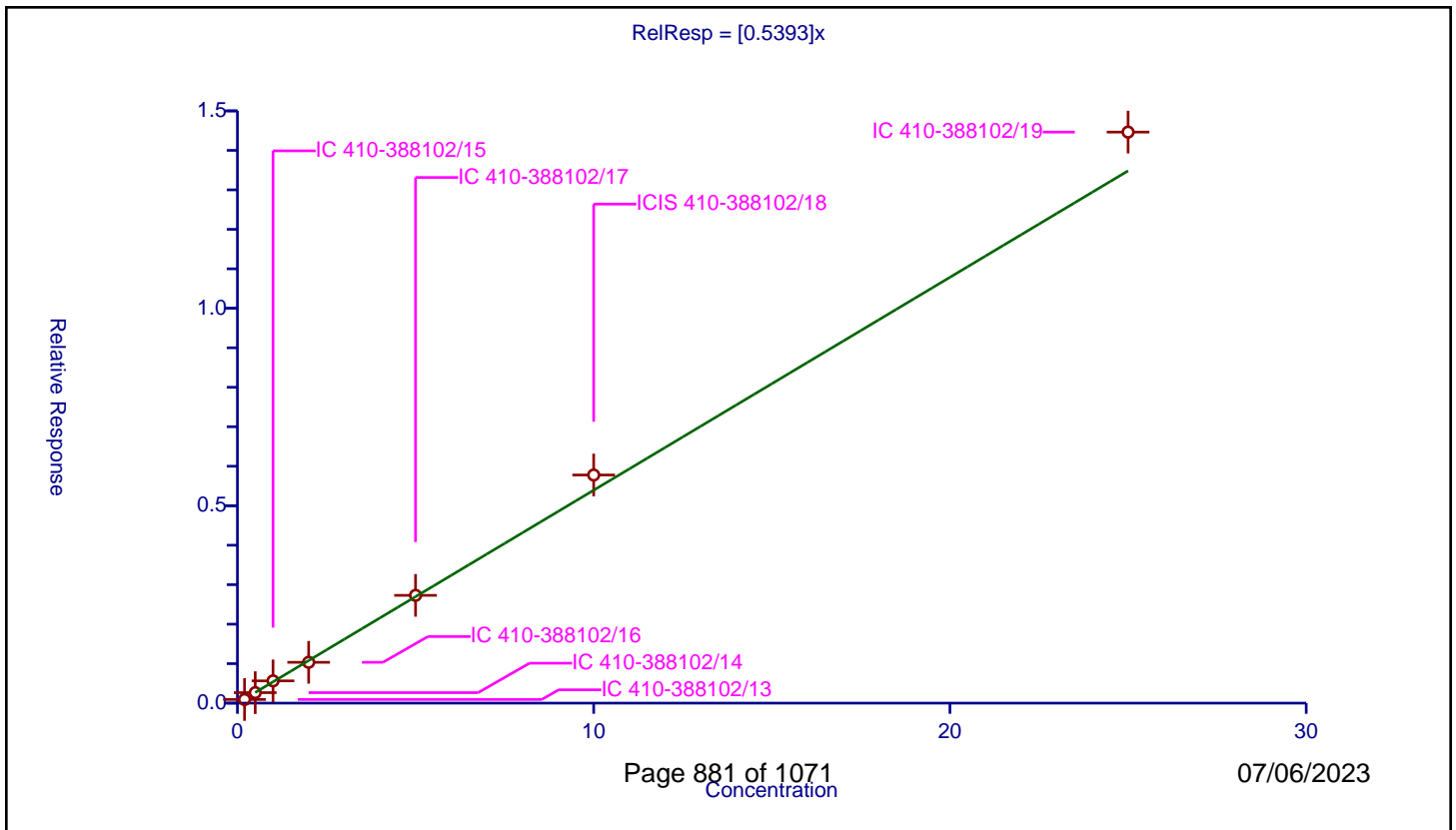
/ Pentachloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.5393

Error Coefficients	
Standard Error:	591000
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 410-388102/13	0.2	0.092244	10.0	868350.0	0.46122	Y
2	IC 410-388102/14	0.5	0.265493	10.0	834938.0	0.530986	Y
3	IC 410-388102/15	1.0	0.563528	10.0	851085.0	0.563528	Y
4	IC 410-388102/16	2.0	1.034051	10.0	870354.0	0.517025	Y
5	IC 410-388102/17	5.0	2.729436	10.0	910481.0	0.545887	Y
6	ICIS 410-388102/18	10.0	5.777771	10.0	884528.0	0.577777	Y
7	IC 410-388102/19	25.0	14.463027	10.0	917393.0	0.578521	Y



Calibration

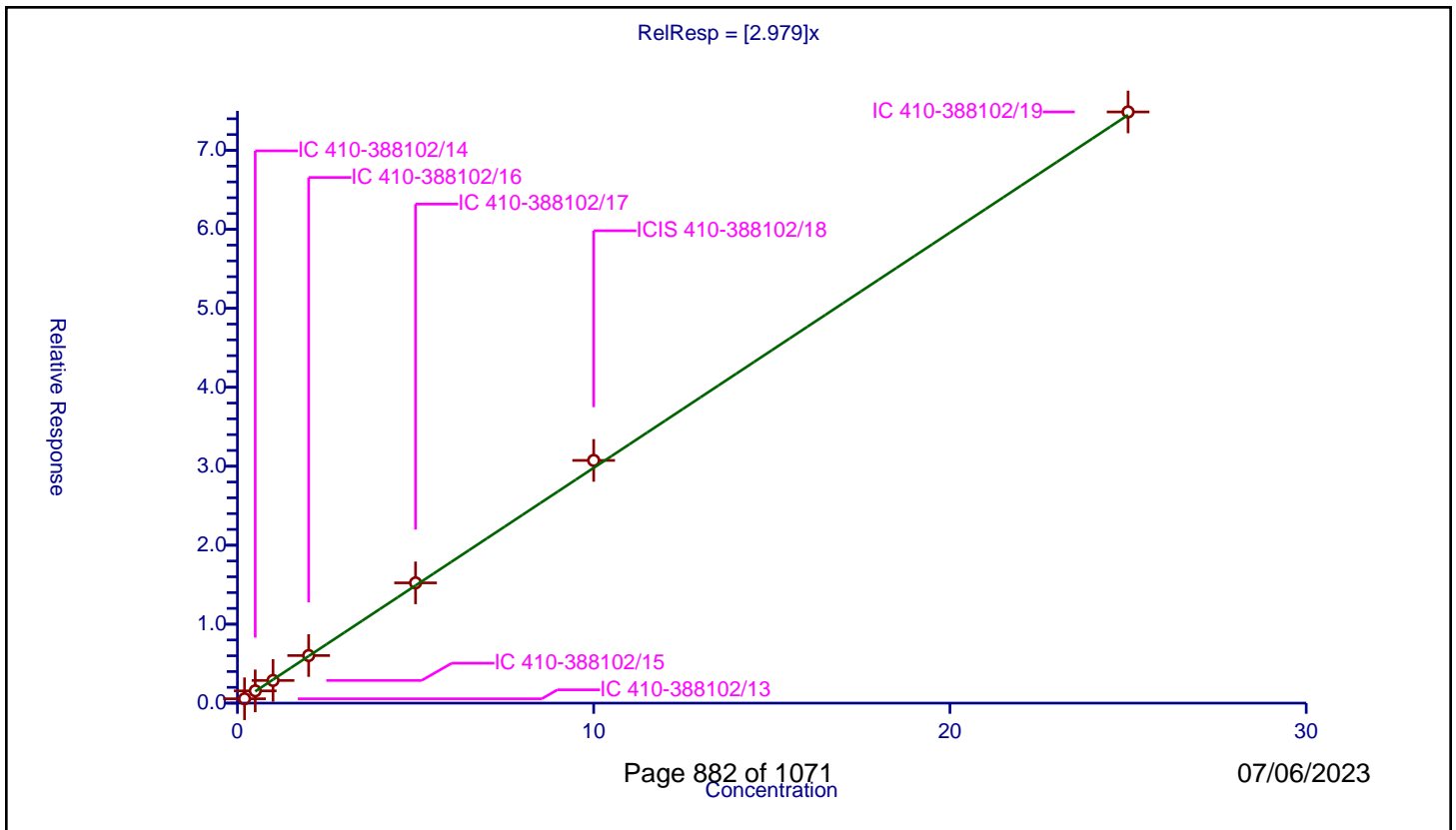
/ 1,2,4-Trimethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	2.979

Error Coefficients	
Standard Error:	3080000
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 410-388102/13	0.2	0.549963	10.0	868350.0	2.749813	Y
2	IC 410-388102/14	0.5	1.552079	10.0	834938.0	3.104159	Y
3	IC 410-388102/15	1.0	2.873262	10.0	851085.0	2.873262	Y
4	IC 410-388102/16	2.0	6.02687	10.0	870354.0	3.013435	Y
5	IC 410-388102/17	5.0	15.23017	10.0	910481.0	3.046034	Y
6	ICIS 410-388102/18	10.0	30.737806	10.0	884528.0	3.073781	Y
7	IC 410-388102/19	25.0	74.866682	10.0	917393.0	2.994667	Y



Calibration

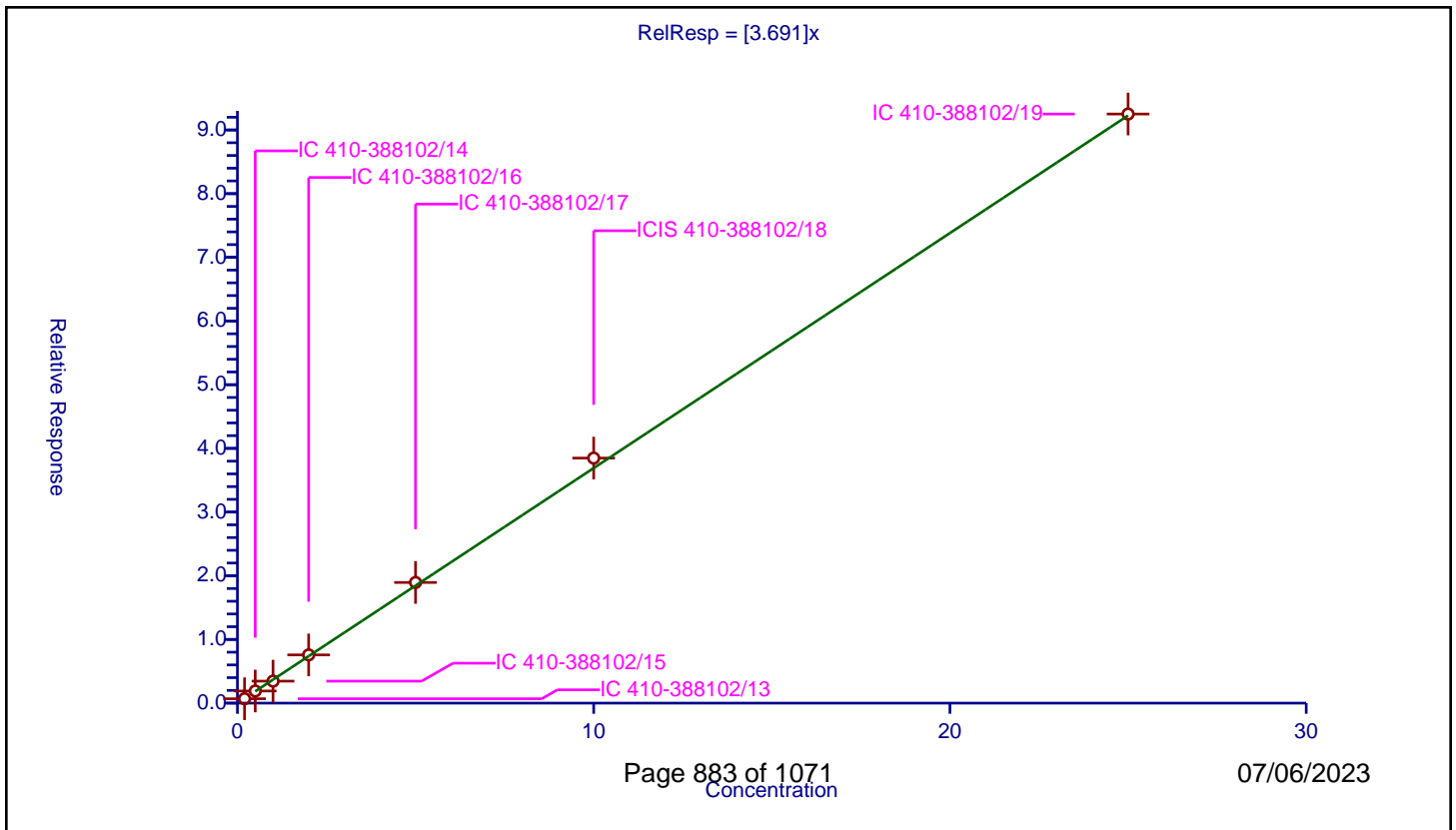
/ sec-Butylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	3.691

Error Coefficients	
Standard Error:	3810000
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 410-388102/13	0.2	0.689883	10.0	868350.0	3.449416	Y
2	IC 410-388102/14	0.5	1.905016	10.0	834938.0	3.810031	Y
3	IC 410-388102/15	1.0	3.451206	10.0	851085.0	3.451206	Y
4	IC 410-388102/16	2.0	7.573137	10.0	870354.0	3.786568	Y
5	IC 410-388102/17	5.0	18.947798	10.0	910481.0	3.78956	Y
6	ICIS 410-388102/18	10.0	38.478284	10.0	884528.0	3.847828	Y
7	IC 410-388102/19	25.0	92.507693	10.0	917393.0	3.700308	Y



Calibration

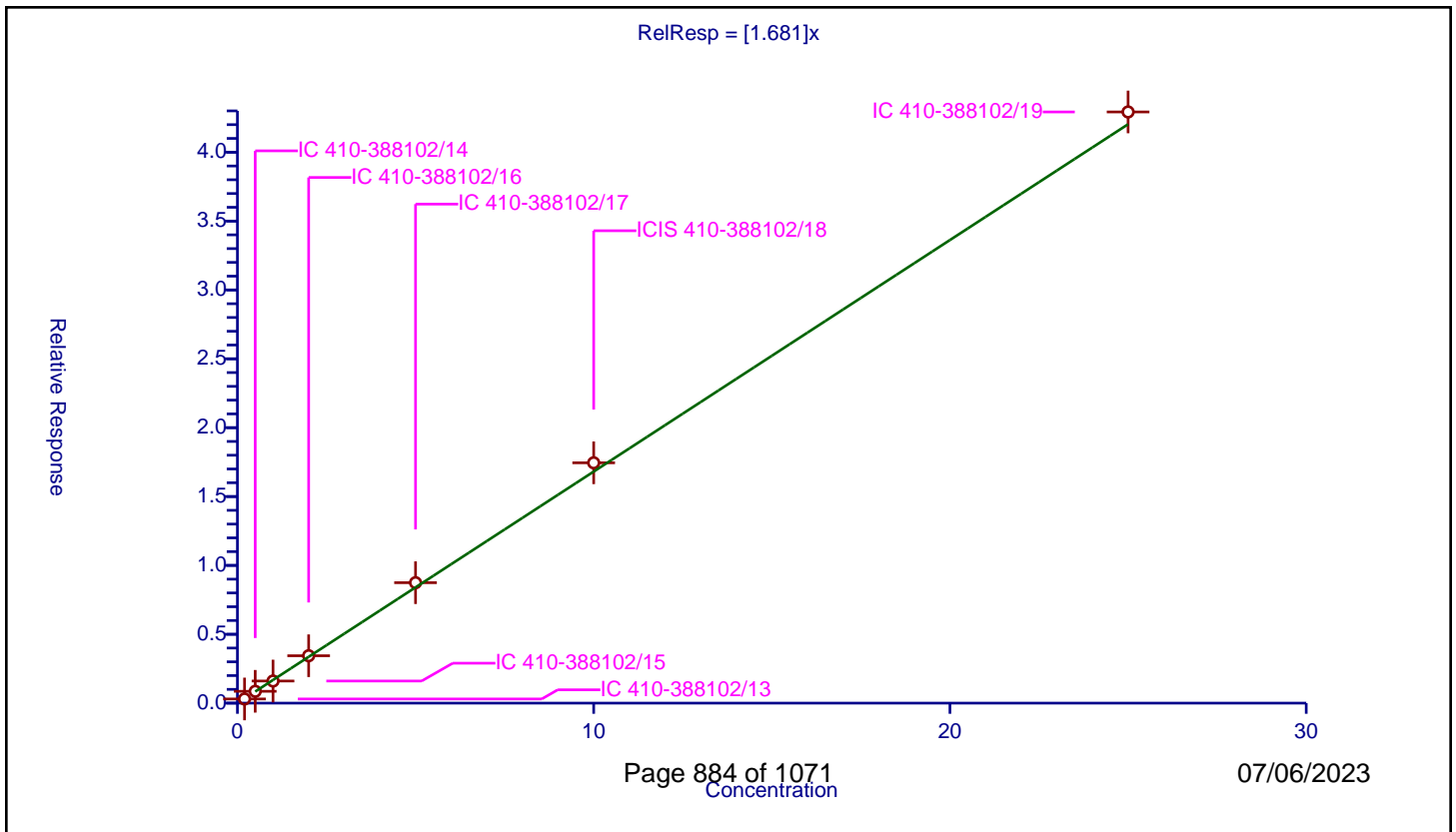
/ 1,3-Dichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.681

Error Coefficients	
Standard Error:	1760000
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 410-388102/13	0.2	0.30239	10.0	868350.0	1.511948	Y
2	IC 410-388102/14	0.5	0.859621	10.0	834938.0	1.719241	Y
3	IC 410-388102/15	1.0	1.605551	10.0	851085.0	1.605551	Y
4	IC 410-388102/16	2.0	3.441048	10.0	870354.0	1.720524	Y
5	IC 410-388102/17	5.0	8.744576	10.0	910481.0	1.748915	Y
6	ICIS 410-388102/18	10.0	17.448492	10.0	884528.0	1.744849	Y
7	IC 410-388102/19	25.0	42.922957	10.0	917393.0	1.716918	Y



Calibration

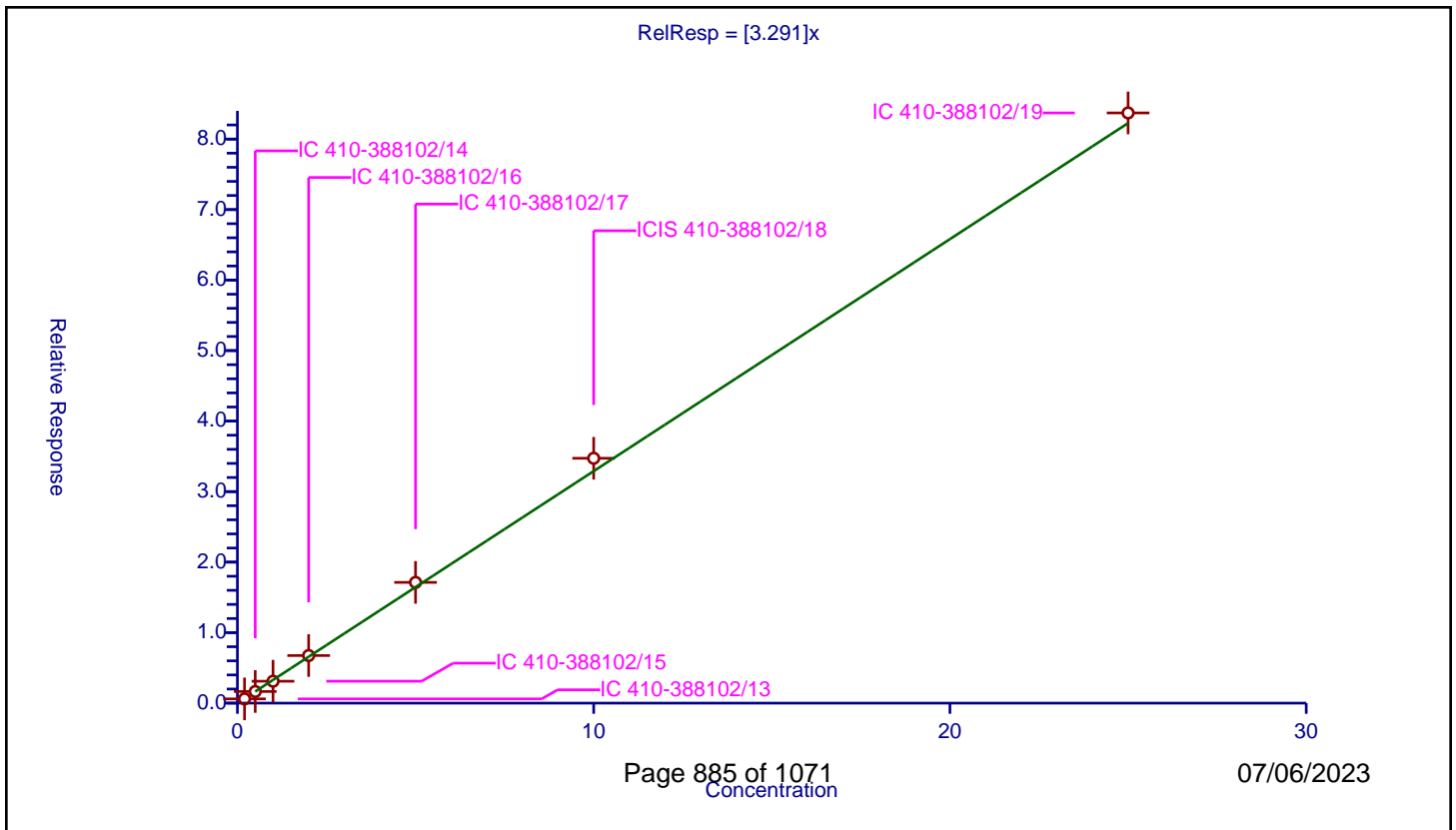
/ 4-Isopropyltoluene

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

Curve Coefficients	
Intercept:	0
Slope:	3.291

Error Coefficients	
Standard Error:	3450000
Relative Standard Error:	5.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	0.2	0.601555	10.0	868350.0	3.007773	Y
2	IC 410-388102/14	0.5	1.648769	10.0	834938.0	3.297538	Y
3	IC 410-388102/15	1.0	3.107539	10.0	851085.0	3.107539	Y
4	IC 410-388102/16	2.0	6.750047	10.0	870354.0	3.375023	Y
5	IC 410-388102/17	5.0	17.124026	10.0	910481.0	3.424805	Y
6	ICIS 410-388102/18	10.0	34.728737	10.0	884528.0	3.472874	Y
7	IC 410-388102/19	25.0	83.708476	10.0	917393.0	3.348339	Y



Calibration

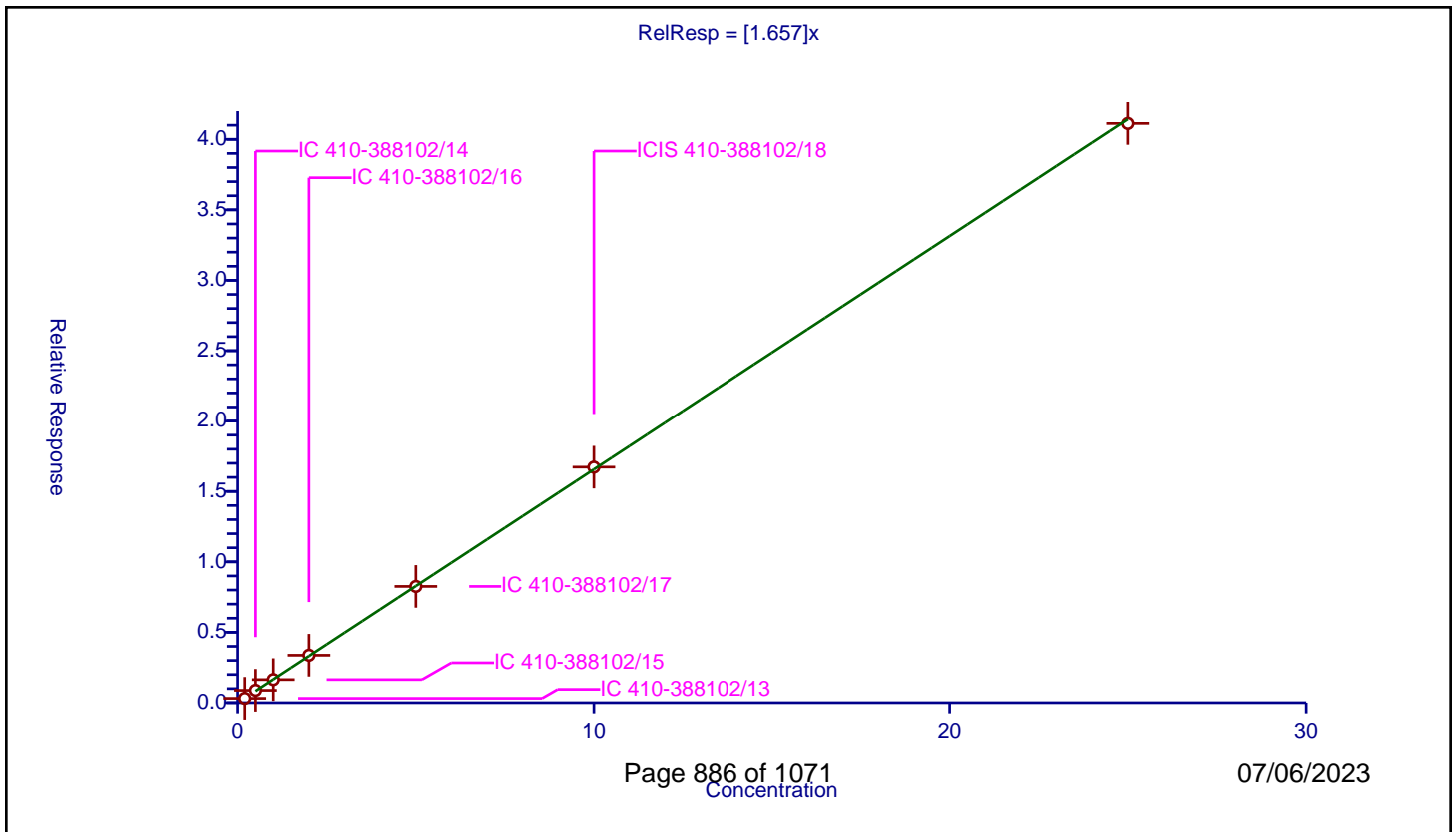
/ 1,4-Dichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.657

Error Coefficients	
Standard Error:	1690000
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 410-388102/13	0.2	0.310151	10.0	868350.0	1.550757	Y
2	IC 410-388102/14	0.5	0.87858	10.0	834938.0	1.75716	Y
3	IC 410-388102/15	1.0	1.63825	10.0	851085.0	1.63825	Y
4	IC 410-388102/16	2.0	3.368491	10.0	870354.0	1.684246	Y
5	IC 410-388102/17	5.0	8.257108	10.0	910481.0	1.651422	Y
6	ICIS 410-388102/18	10.0	16.727667	10.0	884528.0	1.672767	Y
7	IC 410-388102/19	25.0	41.126442	10.0	917393.0	1.645058	Y



Calibration

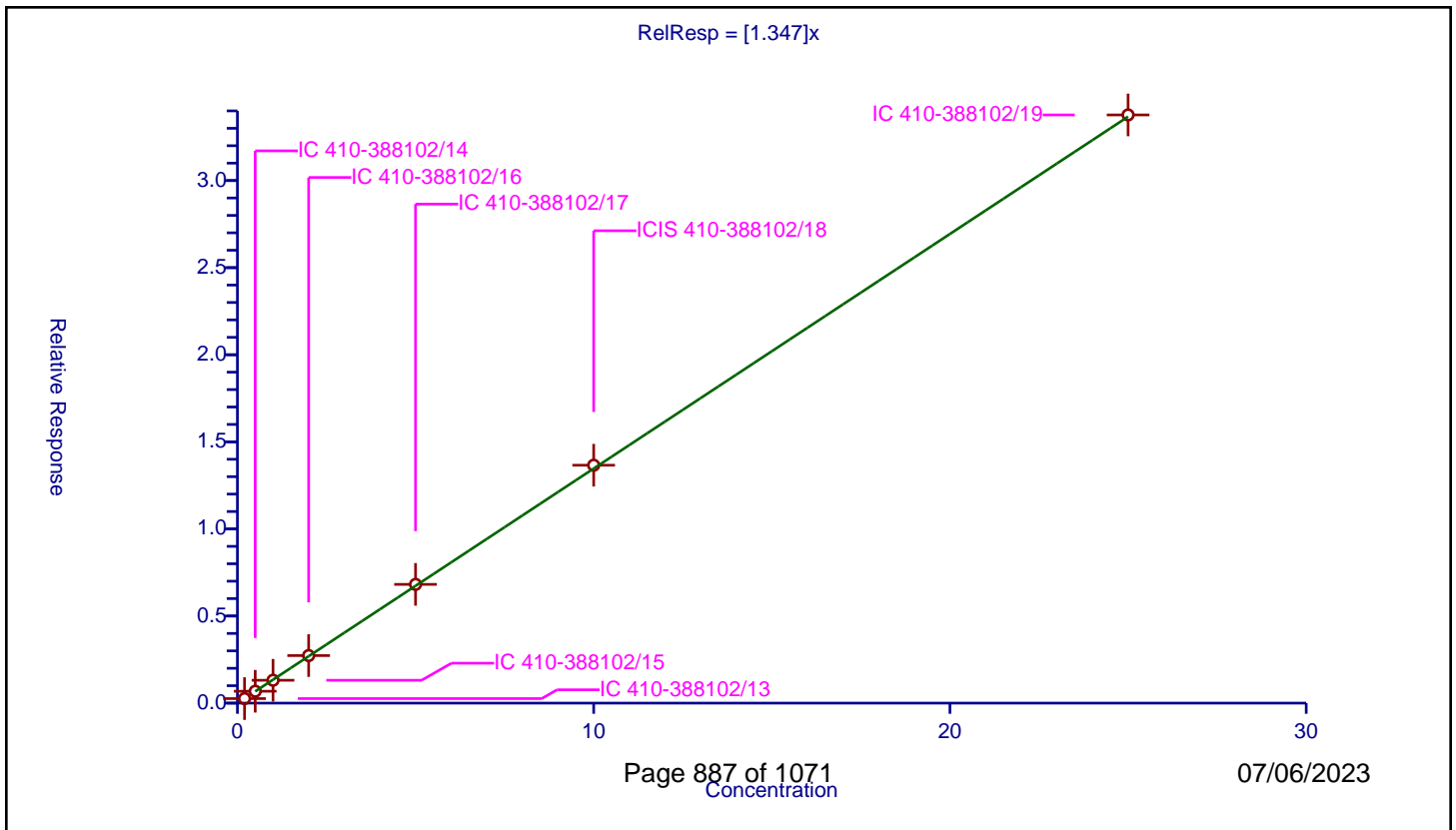
/ 1,2,3-Trimethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.347

Error Coefficients	
Standard Error:	1390000
Relative Standard Error:	1.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	0.2	0.261231	10.0	868350.0	1.306155	Y
2	IC 410-388102/14	0.5	0.682075	10.0	834938.0	1.364149	Y
3	IC 410-388102/15	1.0	1.31229	10.0	851085.0	1.31229	Y
4	IC 410-388102/16	2.0	2.729326	10.0	870354.0	1.364663	Y
5	IC 410-388102/17	5.0	6.816957	10.0	910481.0	1.363391	Y
6	ICIS 410-388102/18	10.0	13.657453	10.0	884528.0	1.365745	Y
7	IC 410-388102/19	25.0	33.768232	10.0	917393.0	1.350729	Y



Calibration

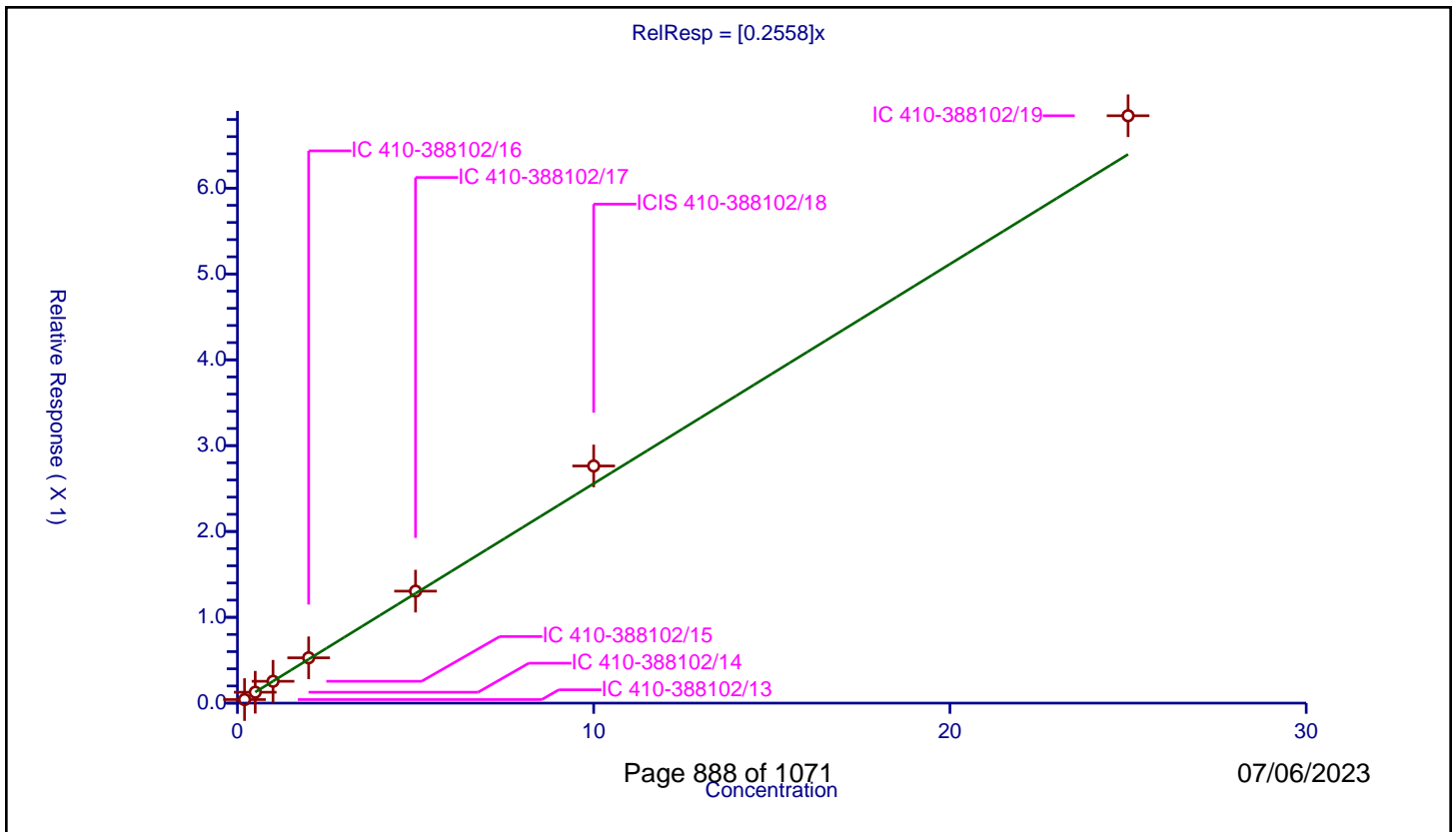
/ Benzyl chloride

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

Curve Coefficients	
Intercept:	0
Slope:	0.2558

Error Coefficients	
Standard Error:	280000
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 410-388102/13	0.2	0.041343	10.0	868350.0	0.206714	Y
2	IC 410-388102/14	0.5	0.127039	10.0	834938.0	0.254079	Y
3	IC 410-388102/15	1.0	0.254522	10.0	851085.0	0.254522	Y
4	IC 410-388102/16	2.0	0.527935	10.0	870354.0	0.263967	Y
5	IC 410-388102/17	5.0	1.30464	10.0	910481.0	0.260928	Y
6	ICIS 410-388102/18	10.0	2.763169	10.0	884528.0	0.276317	Y
7	IC 410-388102/19	25.0	6.843621	10.0	917393.0	0.273745	Y



Calibration

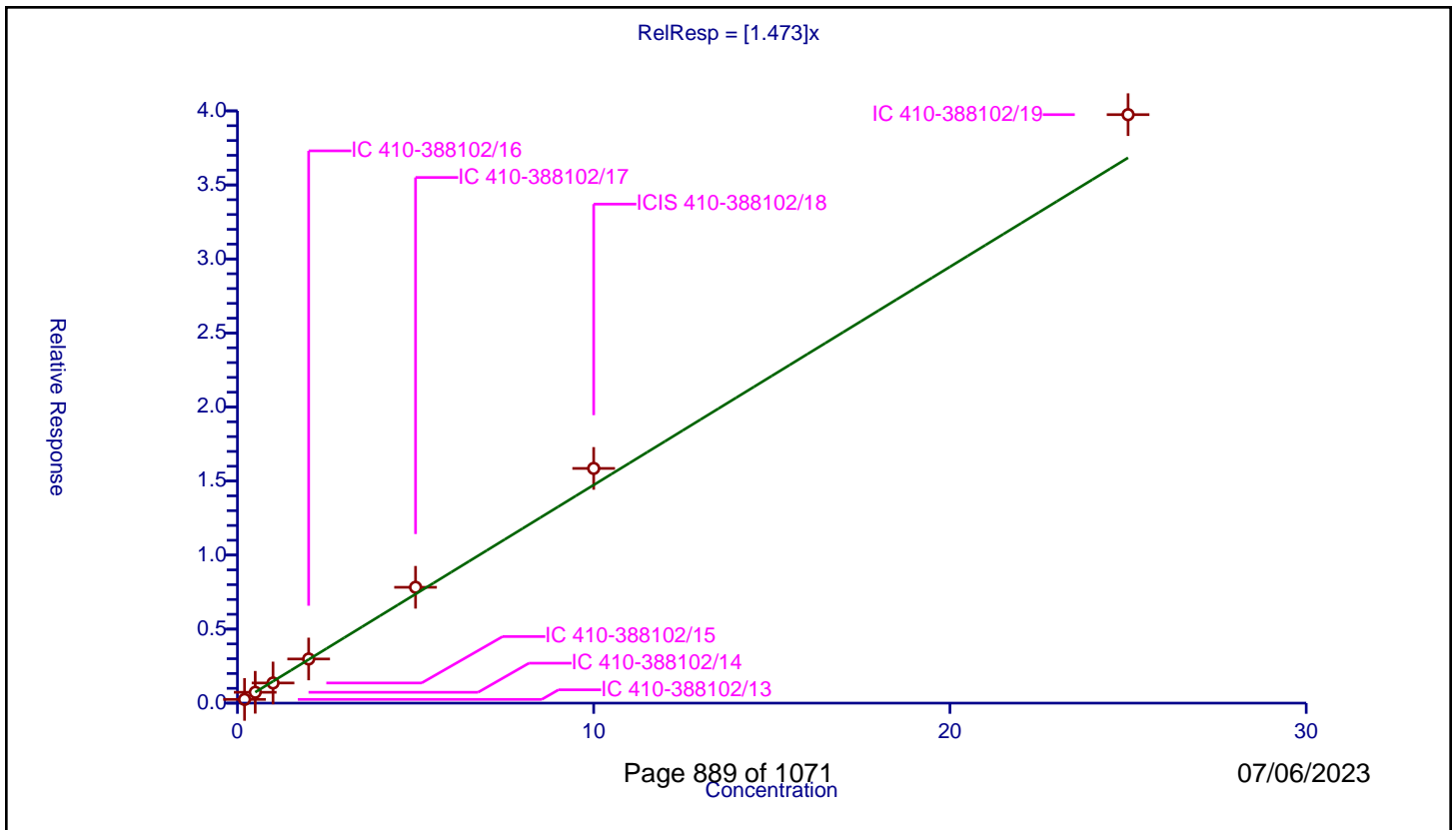
/ n-Butylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.473

Error Coefficients	
Standard Error:	1630000
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 410-388102/13	0.2	0.251488	10.0	868350.0	1.257442	Y
2	IC 410-388102/14	0.5	0.732653	10.0	834938.0	1.465306	Y
3	IC 410-388102/15	1.0	1.360816	10.0	851085.0	1.360816	Y
4	IC 410-388102/16	2.0	2.980879	10.0	870354.0	1.49044	Y
5	IC 410-388102/17	5.0	7.823282	10.0	910481.0	1.564656	Y
6	ICIS 410-388102/18	10.0	15.852624	10.0	884528.0	1.585262	Y
7	IC 410-388102/19	25.0	39.746968	10.0	917393.0	1.589879	Y



Calibration

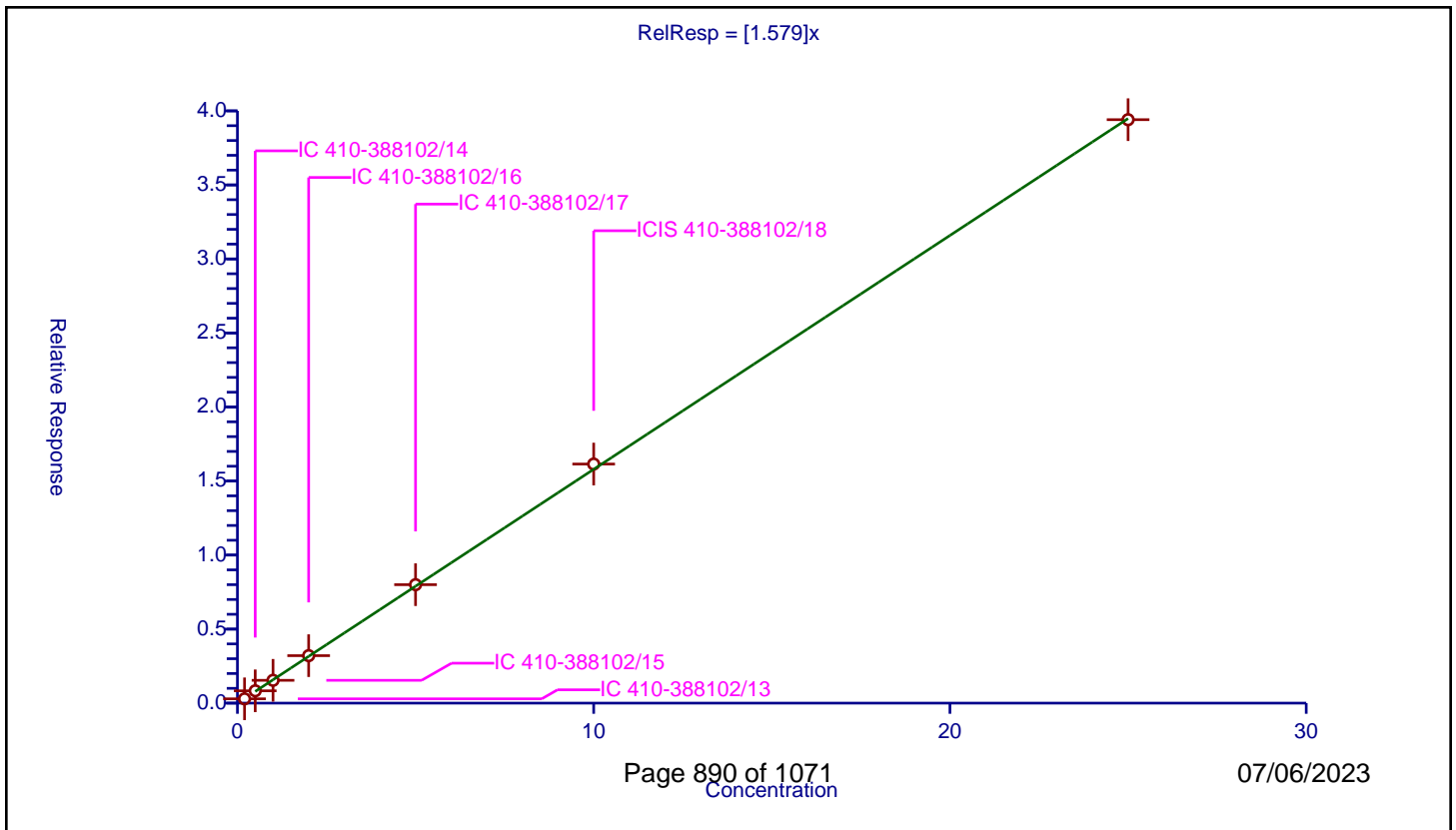
/ 1,2-Dichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.579

Error Coefficients	
Standard Error:	1620000
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 410-388102/13	0.2	0.291138	10.0	868350.0	1.455692	Y
2	IC 410-388102/14	0.5	0.83278	10.0	834938.0	1.665561	Y
3	IC 410-388102/15	1.0	1.539905	10.0	851085.0	1.539905	Y
4	IC 410-388102/16	2.0	3.206684	10.0	870354.0	1.603342	Y
5	IC 410-388102/17	5.0	8.00076	10.0	910481.0	1.600152	Y
6	ICIS 410-388102/18	10.0	16.147301	10.0	884528.0	1.61473	Y
7	IC 410-388102/19	25.0	39.407135	10.0	917393.0	1.576285	Y



Calibration

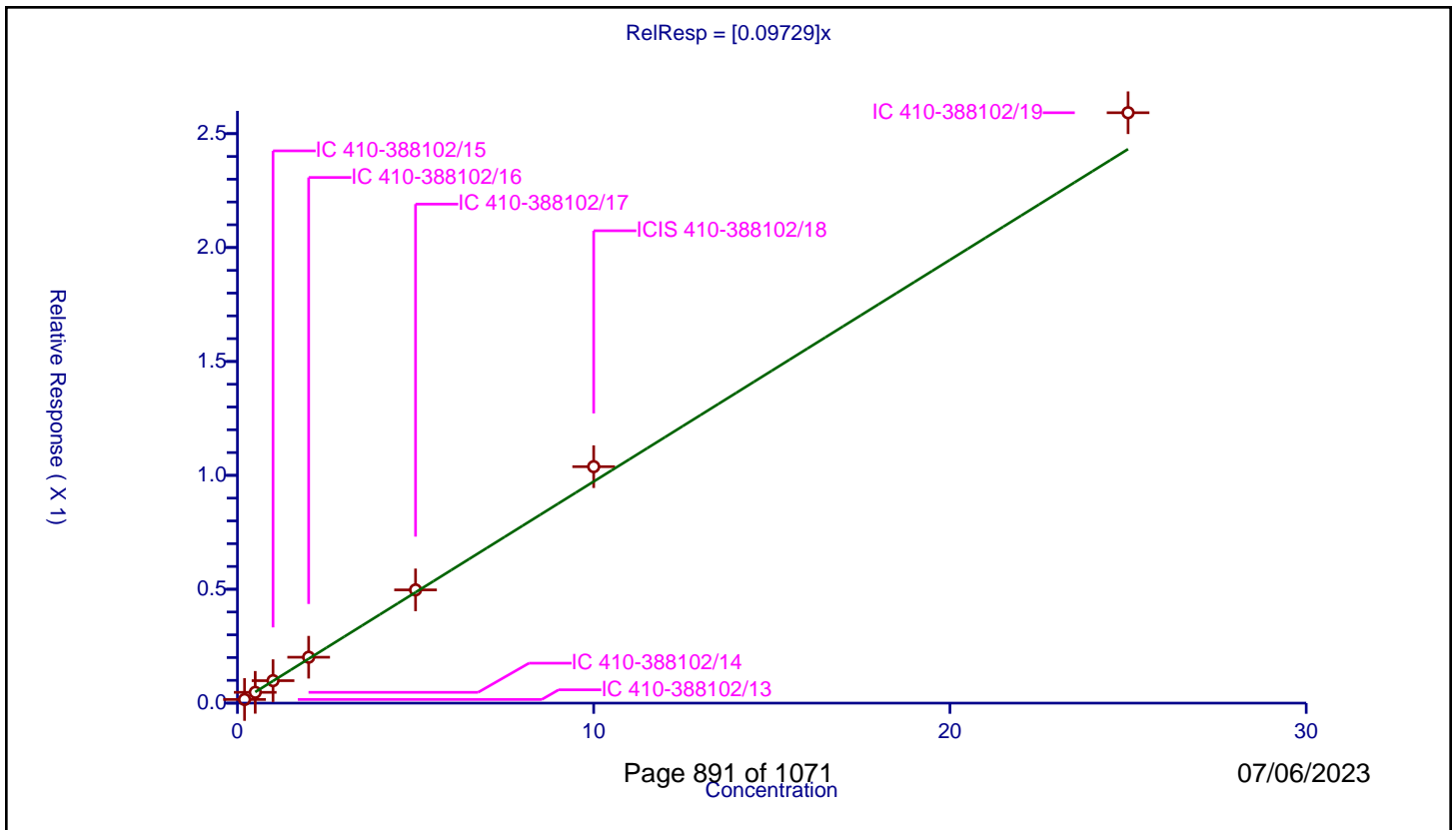
/ 1,2-Dibromo-3-Chloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.09729

Error Coefficients	
Standard Error:	106000
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 410-388102/13	0.2	0.015984	10.0	868350.0	0.079922	Y
2	IC 410-388102/14	0.5	0.047429	10.0	834938.0	0.094857	Y
3	IC 410-388102/15	1.0	0.09858	10.0	851085.0	0.09858	Y
4	IC 410-388102/16	2.0	0.201493	10.0	870354.0	0.100746	Y
5	IC 410-388102/17	5.0	0.497133	10.0	910481.0	0.099427	Y
6	ICIS 410-388102/18	10.0	1.03817	10.0	884528.0	0.103817	Y
7	IC 410-388102/19	25.0	2.591943	10.0	917393.0	0.103678	Y



Calibration

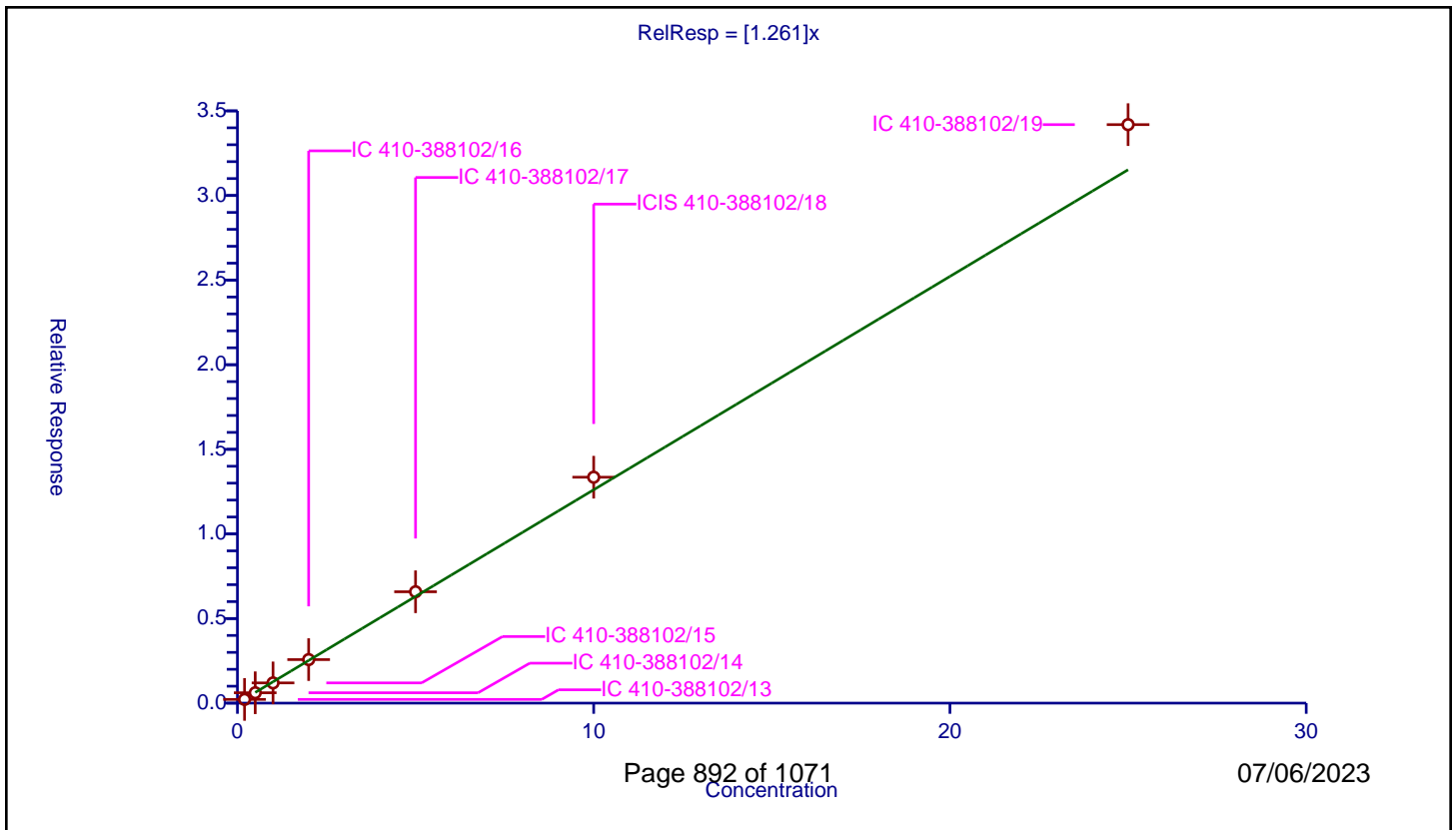
/ 1,3,5-Trichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.261

Error Coefficients	
Standard Error:	1390000
Relative Standard Error:	7.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	0.2	0.220222	10.0	868350.0	1.101111	Y
2	IC 410-388102/14	0.5	0.612297	10.0	834938.0	1.224594	Y
3	IC 410-388102/15	1.0	1.194793	10.0	851085.0	1.194793	Y
4	IC 410-388102/16	2.0	2.573332	10.0	870354.0	1.286666	Y
5	IC 410-388102/17	5.0	6.580961	10.0	910481.0	1.316192	Y
6	ICIS 410-388102/18	10.0	13.351675	10.0	884528.0	1.335167	Y
7	IC 410-388102/19	25.0	34.187802	10.0	917393.0	1.367512	Y



Calibration

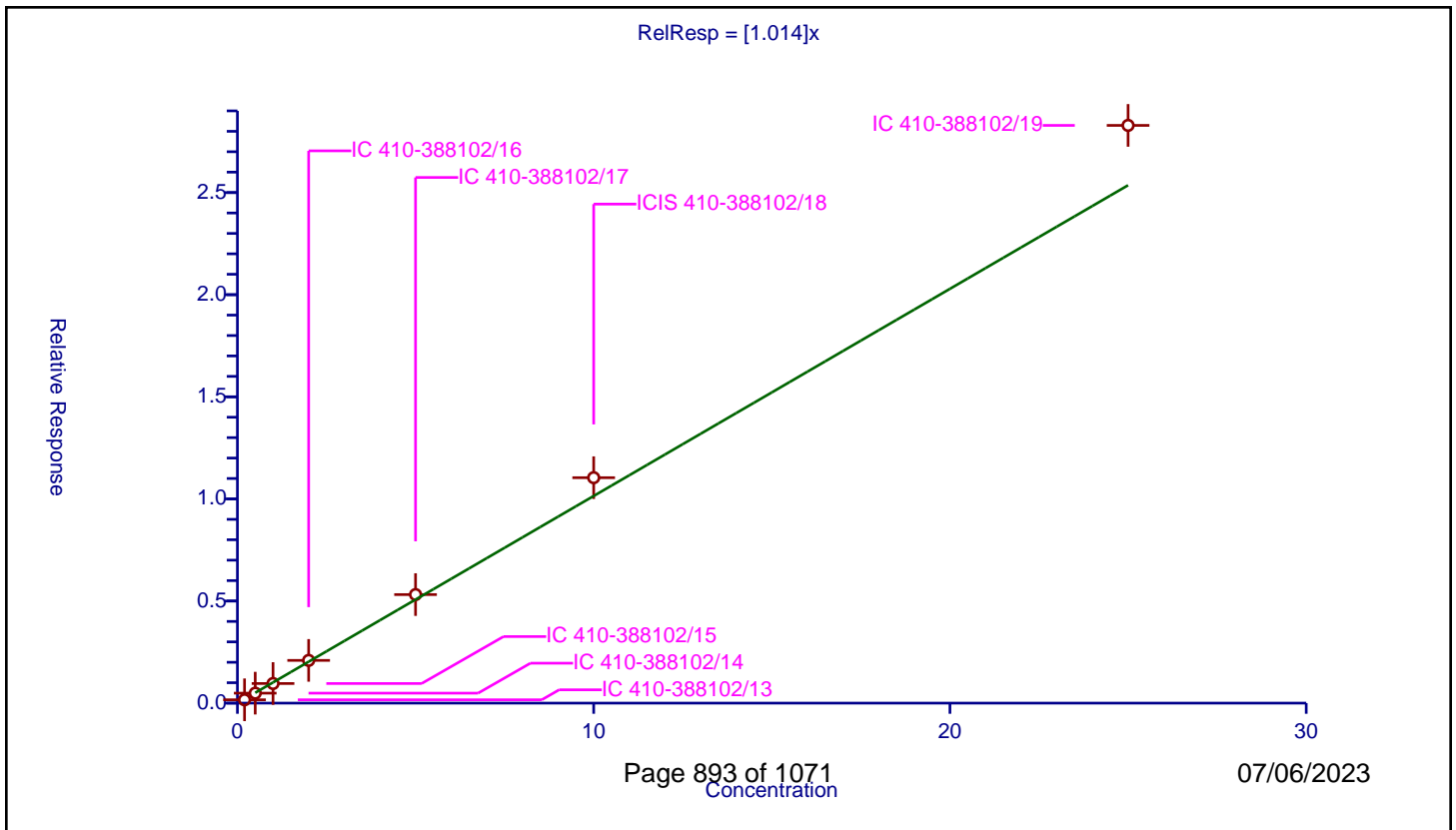
/ 1,2,4-Trichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.014

Error Coefficients	
Standard Error:	1150000
Relative Standard Error:	10.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	0.2	0.163586	10.0	868350.0	0.817931	Y
2	IC 410-388102/14	0.5	0.488336	10.0	834938.0	0.976671	Y
3	IC 410-388102/15	1.0	0.961032	10.0	851085.0	0.961032	Y
4	IC 410-388102/16	2.0	2.092723	10.0	870354.0	1.046362	Y
5	IC 410-388102/17	5.0	5.315191	10.0	910481.0	1.063038	Y
6	ICIS 410-388102/18	10.0	11.039311	10.0	884528.0	1.103931	Y
7	IC 410-388102/19	25.0	28.28877	10.0	917393.0	1.131551	Y



Calibration

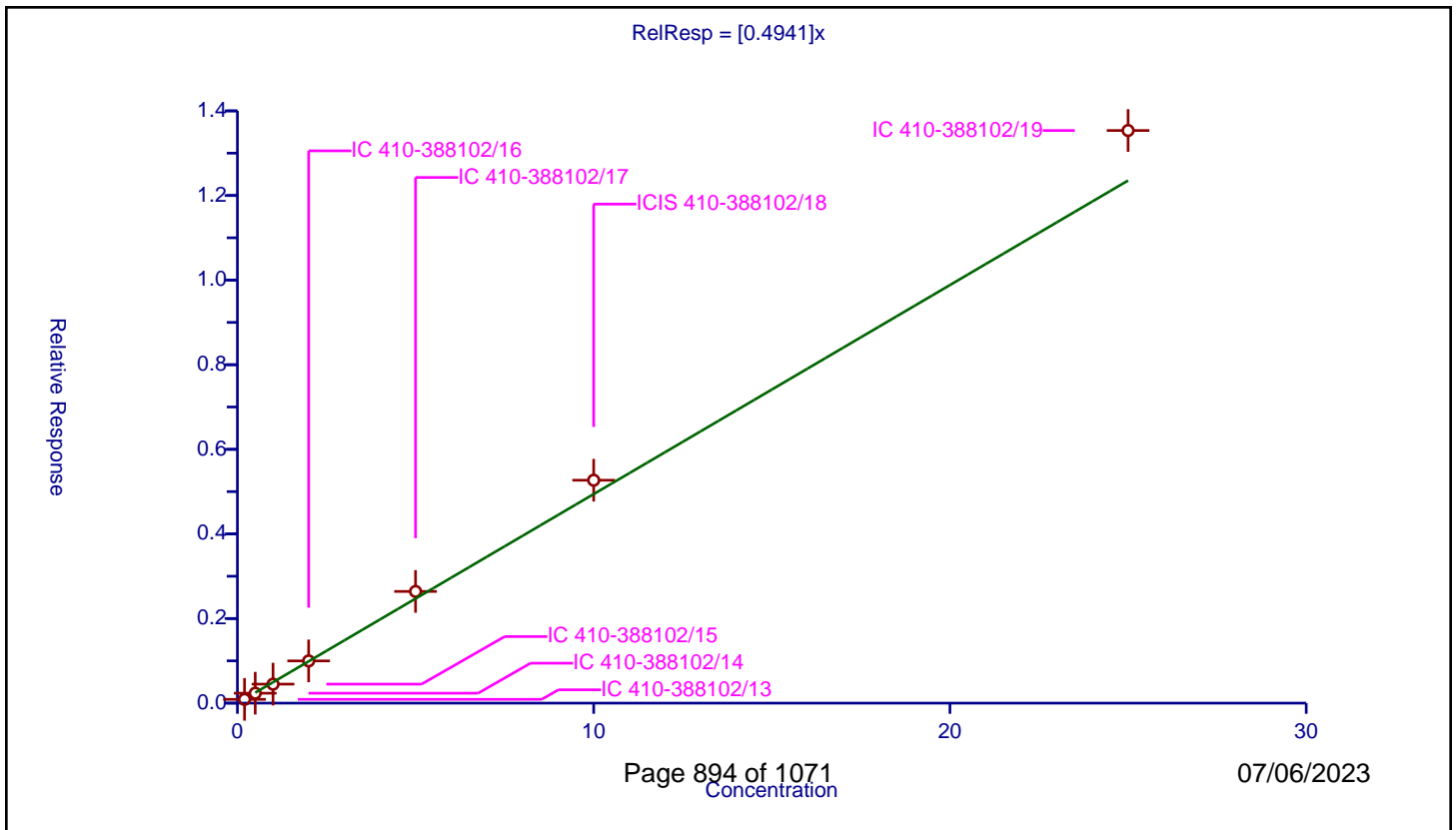
/ Hexachlorobutadiene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4941

Error Coefficients	
Standard Error:	552000
Relative Standard Error:	8.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-388102/13	0.2	0.089054	10.0	868350.0	0.44527	Y
2	IC 410-388102/14	0.5	0.234772	10.0	834938.0	0.469544	Y
3	IC 410-388102/15	1.0	0.448898	10.0	851085.0	0.448898	Y
4	IC 410-388102/16	2.0	0.997985	10.0	870354.0	0.498992	Y
5	IC 410-388102/17	5.0	2.639978	10.0	910481.0	0.527996	Y
6	ICIS 410-388102/18	10.0	5.269172	10.0	884528.0	0.526917	Y
7	IC 410-388102/19	25.0	13.535802	10.0	917393.0	0.541432	Y



Calibration

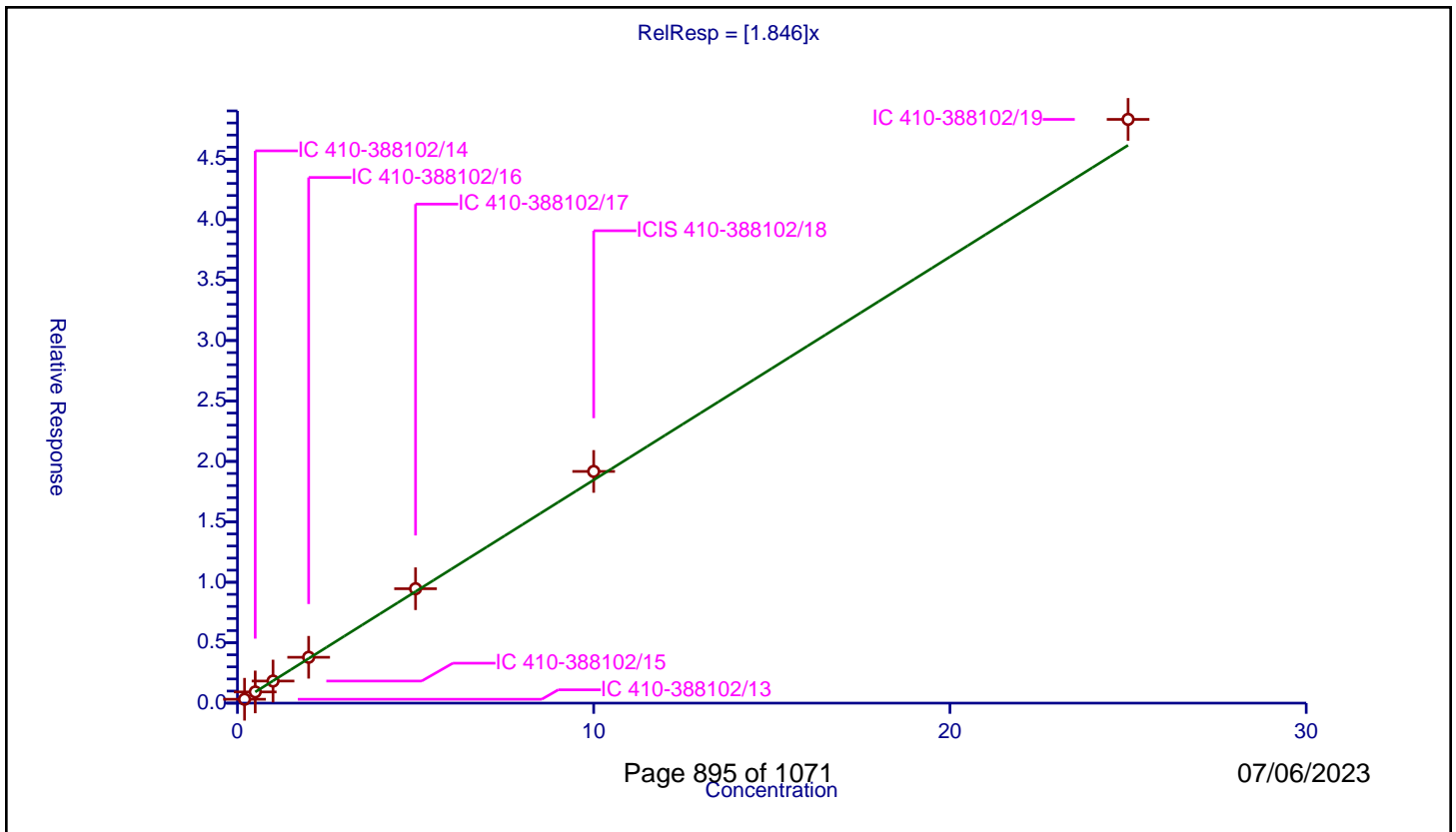
/ Naphthalene

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

Curve Coefficients	
Intercept:	0
Slope:	1.846

Error Coefficients	
Standard Error:	1970000
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 410-388102/13	0.2	0.320769	10.0	868350.0	1.603846	Y
2	IC 410-388102/14	0.5	0.927075	10.0	834938.0	1.85415	Y
3	IC 410-388102/15	1.0	1.826845	10.0	851085.0	1.826845	Y
4	IC 410-388102/16	2.0	3.793859	10.0	870354.0	1.896929	Y
5	IC 410-388102/17	5.0	9.466095	10.0	910481.0	1.893219	Y
6	ICIS 410-388102/18	10.0	19.170066	10.0	884528.0	1.917007	Y
7	IC 410-388102/19	25.0	48.297752	10.0	917393.0	1.93191	Y



Calibration

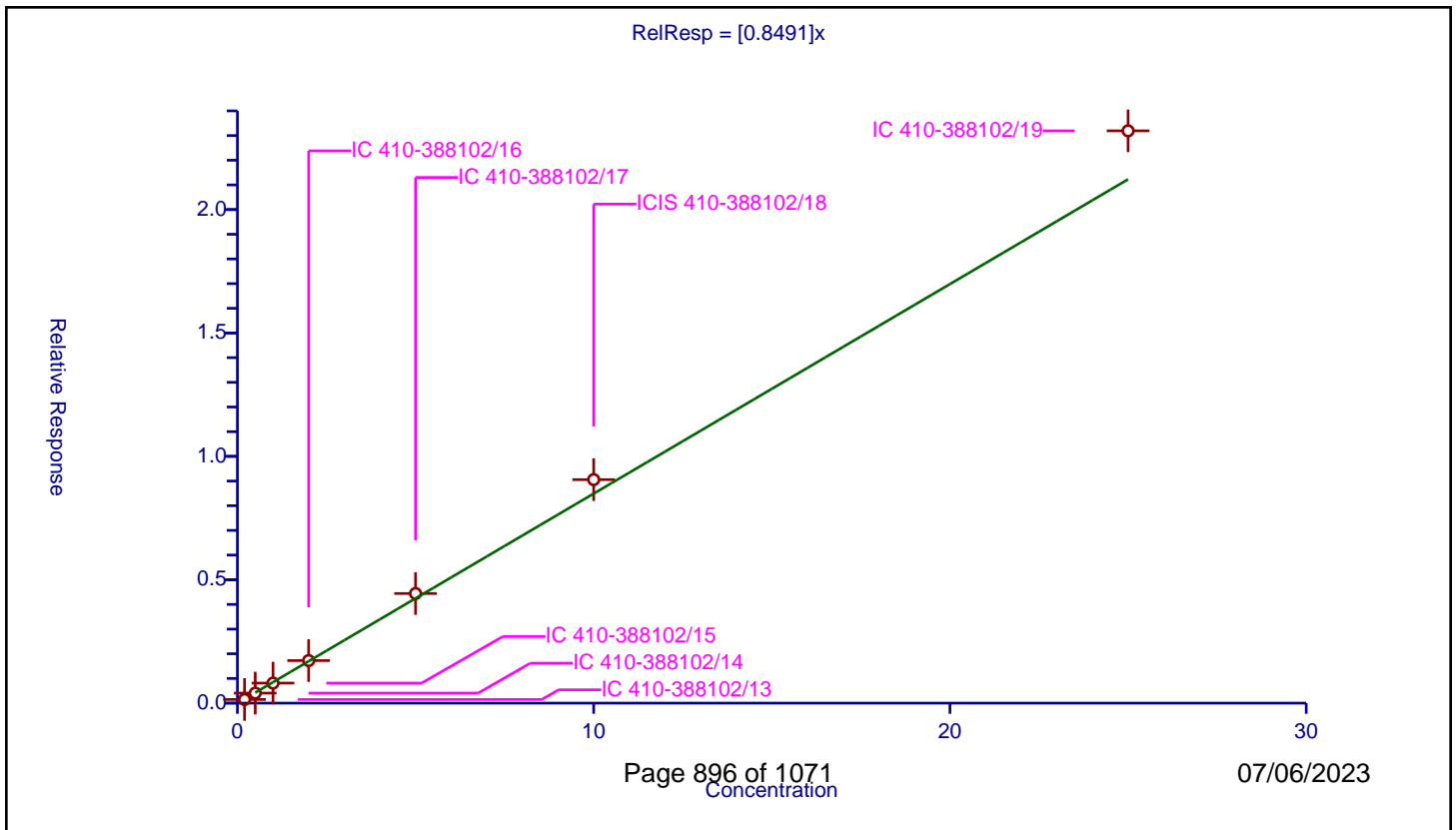
/ 1,2,3-Trichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.8491

Error Coefficients	
Standard Error:	945000
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 410-388102/13	0.2	0.146853	10.0	868350.0	0.734266	Y
2	IC 410-388102/14	0.5	0.406629	10.0	834938.0	0.813258	Y
3	IC 410-388102/15	1.0	0.812046	10.0	851085.0	0.812046	Y
4	IC 410-388102/16	2.0	1.724425	10.0	870354.0	0.862212	Y
5	IC 410-388102/17	5.0	4.441356	10.0	910481.0	0.888271	Y
6	ICIS 410-388102/18	10.0	9.056717	10.0	884528.0	0.905672	Y
7	IC 410-388102/19	25.0	23.192078	10.0	917393.0	0.927683	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-131835-1

SDG No.: _____

Lab Sample ID: ICV 410-385635/21 Calibration Date: 06/13/2023 03:39

Instrument ID: 16334 Calib Start Date: 06/13/2023 00:42

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 06/13/2023 02:55

Lab File ID: JU12X20.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	0.3212	0.2600	0.1000	4.05	5.00	-19.1	30.0
Chloromethane	Ave	0.3805	0.3274	0.1000	4.30	5.00	-13.9	30.0
1,3-Butadiene	Ave	0.3202	0.2771		4.33	5.00	-13.5	30.0
Vinyl chloride	Ave	0.3558	0.3182	0.1000	4.47	5.00	-10.6	30.0
Bromomethane	Ave	0.2448	0.2333	0.1000	4.77	5.00	-4.7	30.0
Chloroethane	Ave	0.2091	0.2010	0.1000	4.81	5.00	-3.9	30.0
Dichlorofluoromethane	Ave	0.4956	0.4781		4.82	5.00	-3.5	30.0
Trichlorofluoromethane	Ave	0.3750	0.3400	0.1000	4.53	5.00	-9.3	30.0
Pentane	None					5.00		30.0
Ethyl ether	Ave	0.2065	0.2208		5.35	5.01	6.9	30.0
Freon 123a	Ave	0.2984	0.2925		4.90	5.00	-2.0	30.0
Acrolein	Ave	1.792	1.902		39.8	37.5	6.1	30.0
1,1-Dichloroethene	Ave	0.2201	0.2404	0.1000	5.46	5.00	9.2	30.0
Acetone	Ave	2.151	2.121	0.1000	61.6	62.5	-1.4	30.0
Freon 113	Ave	0.2120	0.2321	0.1000	5.47	5.00	9.5	30.0
Methyl iodide	Ave	0.4151	0.4342		5.23	5.00	4.6	30.0
Ethyl bromide	Ave	0.1973	0.2150		5.51	5.06	9.0	30.0
Carbon disulfide	Ave	0.7560	0.8095	0.1000	5.35	5.00	7.1	30.0
Methyl acetate	Ave	5.878	6.560	0.1000	5.58	5.00	11.6	30.0
Allyl chloride	Ave	0.3826	0.4099		5.36	5.00	7.1	30.0
Methylene Chloride	Ave	0.2522	0.2717	0.1000	5.39	5.00	7.7	30.0
t-Butyl alcohol	Ave	0.8826	0.8566		48.5	50.0	-2.9	30.0
Acrylonitrile	Ave	3.195	3.355		26.2	25.0	5.0	30.0
Methyl tert-butyl ether	Ave	0.6880	0.7304	0.1000	5.31	5.00	6.2	30.0
trans-1,2-Dichloroethene	Ave	0.2574	0.2716	0.1000	5.28	5.00	5.5	30.0
n-Hexane	Ave	0.3131	0.3430		5.48	5.00	9.5	30.0
1,1-Dichloroethane	Ave	0.4488	0.4691	0.2000	5.23	5.00	4.5	30.0
di-Isopropyl ether	Ave	0.8515	0.8920		5.24	5.00	4.8	30.0
2-Chloro-1,3-butadiene	Ave	0.3778	0.4080		5.40	5.00	8.0	30.0
Ethyl t-butyl ether	Ave	0.8143	0.8889		5.46	5.00	9.2	30.0
2-Butanone (MEK)	Ave	4.563	4.712	0.1000	64.5	62.5	3.3	30.0
cis-1,2-Dichloroethene	Ave	0.2862	0.3128	0.1000	5.46	5.00	9.3	30.0
2,2-Dichloropropane	Ave	0.3708	0.4099		5.53	5.00	10.6	30.0
Propionitrile	Ave	1.113	1.169		39.4	37.5	5.0	30.0
Methacrylonitrile	Ave	4.730	4.801		38.1	37.5	1.5	30.0
Bromochloromethane	Ave	0.1242	0.1348		5.43	5.00	8.5	30.0
Tetrahydrofuran	Ave	1.392	1.440		25.9	25.0	3.4	30.0
Chloroform	Ave	0.4525	0.4860	0.2000	5.37	5.00	7.4	30.0
1,1,1-Trichloroethane	Ave	0.3798	0.4190	0.1000	5.52	5.00	10.3	30.0
Cyclohexane	Ave	0.4022	0.4420	0.1000	5.49	5.00	9.9	30.0
1,1-Dichloropropene	Ave	0.3403	0.3850		5.66	5.00	13.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-131835-1

SDG No.: _____

Lab Sample ID: ICV 410-385635/21 Calibration Date: 06/13/2023 03:39

Instrument ID: 16334 Calib Start Date: 06/13/2023 00:42

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 06/13/2023 02:55

Lab File ID: JU12X20.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.3231	0.3591	0.1000	5.56	5.00	11.1	30.0
Isobutyl alcohol	Ave	0.0049	0.0048		123	125	-1.6	30.0
Benzene	Ave	1.052	1.153	0.5000	5.48	5.00	9.7	30.0
1,2-Dichloroethane	Ave	0.2911	0.3045	0.1000	5.23	5.00	4.6	30.0
t-Amyl methyl ether	Ave	0.7472	0.8228		5.51	5.00	10.1	30.0
n-Heptane	Ave	0.3268	0.3613		5.53	5.00	10.5	30.0
n-Butanol	Ave	0.2685	0.2889		269	250	7.6	30.0
Trichloroethene	Ave	0.2765	0.2964	0.2000	5.36	5.00	7.2	30.0
Methylcyclohexane	Ave	0.4145	0.4637	0.1000	5.59	5.00	11.9	30.0
1,2-Dichloropropane	Ave	0.2730	0.2952	0.1000	5.41	5.00	8.1	30.0
Methyl methacrylate	Ave	9.592	9.407		4.90	5.00	-1.9	30.0
1,4-Dioxane	Ave	0.0538	0.0642	0.0050	149	125	19.4	30.0
Dibromomethane	Ave	0.1305	0.1466		5.62	5.00	12.4	30.0
Bromodichloromethane	Ave	0.3334	0.3676	0.2000	5.51	5.00	10.3	30.0
2-Nitropropane	Ave	2.711	2.596		4.79	5.00	-4.2	30.0
1-Bromo-2-chloroethane	Ave	0.3034	0.3128		5.16	5.00	3.1	30.0
cis-1,3-Dichloropropene	Ave	0.4178	0.4548	0.2000	5.44	5.00	8.9	30.0
4-Methyl-2-pentanone (MIBK)	Ave	12.84	12.94	0.1000	63.0	62.5	0.7	30.0
Toluene	Ave	0.8679	0.9263	0.4000	5.34	5.00	6.7	30.0
trans-1,3-Dichloropropene	Ave	0.4582	0.4956	0.1000	5.41	5.00	8.2	30.0
Ethyl methacrylate	Ave	0.3765	0.4115		5.46	5.00	9.3	30.0
1,1,2-Trichloroethane	Ave	0.2605	0.2769	0.1000	5.31	5.00	6.3	30.0
Tetrachloroethene	Ave	0.3699	0.3908	0.2000	5.28	5.00	5.6	30.0
1,3-Dichloropropane	Ave	0.4400	0.4694		5.33	5.00	6.7	30.0
2-Hexanone	Ave	9.051	9.593	0.1000	66.2	62.5	6.0	30.0
Dibromochloromethane	Ave	0.3052	0.3276		5.37	5.00	7.3	30.0
1,2-Dibromoethane (EDB)	Ave	0.2431	0.2646	0.1000	5.44	5.00	8.9	30.0
1-Chlorohexane	Ave	0.4956	0.4988		5.03	5.00	0.6	30.0
Chlorobenzene	Ave	0.997	1.048	0.5000	5.25	5.00	5.0	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3388	0.3727		5.50	5.00	10.0	30.0
Ethylbenzene	Ave	1.683	1.813	0.1000	5.39	5.00	7.7	30.0
m&p-Xylene	Ave	0.6412	0.6964	0.1000	10.9	10.0	8.6	30.0
o-Xylene	Ave	0.6369	0.6898	0.3000	5.41	5.00	8.3	30.0
Styrene	Ave	1.079	1.192	0.3000	5.52	5.00	10.5	30.0
Bromoform	Ave	0.1930	0.2038	0.1000	5.28	5.00	5.6	30.0
Isopropylbenzene	Ave	1.635	1.812	0.1000	5.54	5.00	10.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6146	0.6466	0.3000	5.26	5.00	5.2	30.0
Bromobenzene	Ave	0.7462	0.8040		5.39	5.00	7.7	30.0
trans-1,4-Dichloro-2-butene	Ave	4.690	4.944		26.4	25.0	5.4	30.0
1,2,3-Trichloropropane	Ave	0.1579	0.1628		5.16	5.00	3.1	30.0
N-Propylbenzene	Ave	3.556	3.838		5.40	5.00	7.9	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-131835-1

SDG No.: _____

Lab Sample ID: ICV 410-385635/21 Calibration Date: 06/13/2023 03:39

Instrument ID: 16334 Calib Start Date: 06/13/2023 00:42

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 06/13/2023 02:55

Lab File ID: JU12X20.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
2-Chlorotoluene	Ave	0.7248	0.7717		5.32	5.00	6.5	30.0
1,3,5-Trimethylbenzene	Ave	2.568	2.720		5.30	5.00	5.9	30.0
4-Chlorotoluene	Ave	0.7548	0.8104		5.37	5.00	7.4	30.0
tert-Butylbenzene	Ave	0.5536	0.5749		5.19	5.00	3.9	30.0
Pentachloroethane	Ave	0.4767	0.4929		5.17	5.00	3.4	30.0
1,2,4-Trimethylbenzene	Ave	2.677	2.829		5.28	5.00	5.7	30.0
sec-Butylbenzene	Ave	3.277	3.556		5.43	5.00	8.5	30.0
1,3-Dichlorobenzene	Ave	1.506	1.548	0.6000	5.14	5.00	2.8	30.0
p-Isopropyltoluene	Ave	2.890	3.103		5.37	5.00	7.4	30.0
1,4-Dichlorobenzene	Ave	1.509	1.618	0.5000	5.36	5.00	7.3	30.0
1,2,3-Trimethylbenzene	Ave	1.227	1.262		5.14	5.00	2.9	30.0
Benzyl chloride	Ave	0.2382	0.2472		5.19	5.00	3.8	30.0
n-Butylbenzene	Ave	1.510	1.578		5.23	5.00	4.5	30.0
1,2-Dichlorobenzene	Ave	1.438	1.471	0.4000	5.11	5.00	2.3	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0822	0.0885	0.0500	5.38	5.00	7.7	30.0
1,3,5-Trichlorobenzene	Ave	1.229	1.282		5.21	5.00	4.3	30.0
1,2,4-Trichlorobenzene	Ave	1.081	1.145	0.2000	5.30	5.00	6.0	30.0
Hexachlorobutadiene	Ave	0.5105	0.5637		5.52	5.00	10.4	30.0
Naphthalene	Ave	1.879	1.988		5.29	5.00	5.8	30.0
1,2,3-Trichlorobenzene	Ave	0.9427	0.9909		5.26	5.00	5.1	30.0
Dibromofluoromethane (Surr)	Ave	0.2393	0.2435		10.2	10.0	1.8	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0502	0.0517		10.3	10.0	2.9	30.0
Toluene-d8 (Surr)	Ave	1.294	1.272		9.83	10.0	-1.7	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4997	0.5004		10.0	10.0	0.1	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X20.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 13-Jun-2023 03:39:30 ALS Bottle#: 20 Worklist Smp#: 21
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086386-021
 Misc. Info.: ICV
 Operator ID: gaw91131 Instrument ID: 16334
 Sublist:
 Method: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 14-Jun-2023 15:43:10 Calib Date: 13-Jun-2023 02:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1669

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	1.898	0.006	99	390535	5.00	4.05	
5 Chloromethane	50	2.087	2.087	0.000	99	491862	5.00	4.30	
6 Vinyl chloride	62	2.203	2.197	0.006	98	477977	5.00	4.47	
7 Butadiene	39	2.203	2.203	0.000	92	416254	5.00	4.33	M
9 Bromomethane	94	2.520	2.520	0.000	90	350463	5.00	4.77	
10 Chloroethane	64	2.593	2.593	0.000	99	301962	5.00	4.81	
11 Dichlorofluoromethane	67	2.837	2.837	0.000	97	718314	5.00	4.82	
12 Trichlorofluoromethane	101	2.898	2.904	-0.006	83	510724	5.00	4.53	
13 Ethyl ether	59	3.123	3.111	0.012	92	332073	5.01	5.35	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.221	3.209	0.012	93	439451	5.00	4.90	
17 Acrolein	56	3.294	3.288	0.006	98	337106	37.5	39.8	
18 1,1-Dichloroethene	96	3.422	3.422	0.000	98	361120	5.00	5.46	
19 Acetone	43	3.452	3.452	0.000	99	626350	62.5	61.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.458	3.458	0.000	92	348753	5.00	5.47	
21 Isopropyl alcohol	45	3.593	3.587	0.007	99	67687	37.5	35.8	
22 Iodomethane	142	3.611	3.605	0.006	99	652286	5.00	5.23	
23 Ethyl bromide	108	3.635	3.629	0.006	98	326921	5.06	5.51	
24 Carbon disulfide	76	3.708	3.708	0.000	99	1216095	5.00	5.35	
25 Methyl acetate	43	3.843	3.843	0.000	97	155013	5.00	5.58	M
27 3-Chloro-1-propene	41	3.879	3.867	0.012	92	615754	5.00	5.36	
29 Methylene Chloride	84	4.050	4.050	0.000	91	408163	5.00	5.39	
* 30 t-Butyl alcohol-d10 (IS)	65	4.080	4.080	0.000	99	236295	50.0	50.0	M
31 2-Methyl-2-propanol	59	4.178	4.214	-0.036	98	202404	50.0	48.5	M
32 Acrylonitrile	53	4.385	4.379	0.006	99	396360	25.0	26.2	
34 trans-1,2-Dichloroethene	96	4.452	4.446	0.006	99	408022	5.00	5.28	
33 Methyl tert-butyl ether	73	4.452	4.452	0.000	92	1097244	5.00	5.31	
35 Hexane	57	4.879	4.879	0.000	93	515216	5.00	5.48	
37 1,1-Dichloroethane	63	5.117	5.111	0.006	96	704677	5.00	5.23	
38 Isopropyl ether	45	5.184	5.178	0.006	94	1340041	5.00	5.24	
39 2-Chloro-1,3-butadiene	53	5.226	5.226	0.000	90	612937	5.00	5.40	
40 Tert-butyl ethyl ether	59	5.720	5.720	0.000	98	1335437	5.00	5.46	

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	5.921	5.921	0.000	100	1391853	62.5	64.5	
42 cis-1,2-Dichloroethene	96	5.958	5.952	0.006	81	469846	5.00	5.46	
43 2,2-Dichloropropane	77	5.970	5.964	0.006	87	615791	5.00	5.53	
45 Propionitrile	54	6.013	6.007	0.006	97	207100	37.5	39.4	
48 Methacrylonitrile	67	6.226	6.226	0.000	92	850856	37.5	38.1	
49 Chlorobromomethane	128	6.281	6.281	0.000	95	202470	5.00	5.43	
50 Tetrahydrofuran	71	6.299	6.287	0.012	79	170129	25.0	25.9	
51 Chloroform	83	6.440	6.434	0.006	93	730146	5.00	5.37	
\$ 52 Dibromofluoromethane (Surr)	113	6.653	6.653	0.000	94	731536	10.0	10.2	
53 1,1,1-Trichloroethane	97	6.665	6.665	0.000	98	629483	5.00	5.52	
54 Cyclohexane	56	6.763	6.763	0.000	90	663997	5.00	5.49	
55 Carbon tetrachloride	117	6.879	6.872	0.006	95	539450	5.00	5.56	
56 1,1-Dichloropropene	75	6.879	6.872	0.006	98	578453	5.00	5.66	
58 Isobutyl alcohol	41	7.055	7.049	0.006	96	180075	125.0	123.0	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.110	7.098	0.012	93	155374	10.0	10.3	
60 Benzene	78	7.141	7.135	0.006	97	1732692	5.00	5.48	
61 1,2-Dichloroethane	62	7.208	7.208	0.000	97	457390	5.00	5.23	M
63 Tert-amyl methyl ether	73	7.342	7.342	0.000	99	1236034	5.00	5.51	
* 64 Fluorobenzene (IS)	96	7.549	7.543	0.006	99	3004593	10.0	10.0	
65 n-Heptane	43	7.561	7.561	0.000	92	542705	5.00	5.53	
67 n-Butanol	56	7.945	7.939	0.006	89	341276	250.0	268.9	
68 Trichloroethene	95	8.025	8.025	0.000	98	445337	5.00	5.36	
69 Methylcyclohexane	83	8.336	8.329	0.007	92	696689	5.00	5.59	
70 1,2-Dichloropropane	63	8.360	8.360	0.000	91	443413	5.00	5.41	
71 2-ethoxy-2-methyl butane	87	8.378	8.378	0.000	93	684578	5.00	5.42	
72 Methyl methacrylate	69	8.451	8.451	0.000	90	222283	5.00	4.90	
73 1,4-Dioxane	88	8.464	8.458	0.006	29	37954	125.0	149.2	M
74 Dibromomethane	93	8.470	8.464	0.006	96	220277	5.00	5.62	
76 Dichlorobromomethane	83	8.707	8.707	0.000	100	552171	5.00	5.51	
77 2-Nitropropane	41	8.982	8.982	0.000	98	61339	5.00	4.79	
79 1-Bromo-2-chloroethane	63	9.098	9.098	0.000	99	469934	5.00	5.16	
81 cis-1,3-Dichloropropene	75	9.268	9.262	0.006	96	683301	5.00	5.44	
82 4-Methyl-2-pentanone (MIBK)	43	9.451	9.451	0.000	96	3820864	62.5	63.0	
\$ 83 Toluene-d8 (Surr)	98	9.579	9.579	0.000	94	3095870	10.0	9.83	
84 Toluene	92	9.658	9.658	0.000	98	1127324	5.00	5.34	
85 trans-1,3-Dichloropropene	75	9.927	9.927	0.000	92	603144	5.00	5.41	
86 Ethyl methacrylate	69	9.994	9.994	0.000	88	500749	5.00	5.46	
107 1,1,2-Trichloroethane	97	10.134	10.128	0.006	90	336973	5.00	5.31	
108 Tetrachloroethene	166	10.219	10.219	0.000	97	475589	5.00	5.28	
109 1,3-Dichloropropane	76	10.292	10.293	-0.001	90	571319	5.00	5.33	
110 2-Hexanone	43	10.360	10.360	0.000	96	2833602	62.5	66.2	
112 Chlorodibromomethane	129	10.512	10.512	0.000	90	398667	5.00	5.37	
113 Ethylene Dibromide	107	10.622	10.622	0.000	98	322036	5.00	5.44	
* 114 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	86	2434010	10.0	10.0	
115 1-Chlorohexane	91	11.073	11.073	0.000	97	607004	5.00	5.03	
116 Chlorobenzene	112	11.085	11.085	0.000	94	1274861	5.00	5.25	
117 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	96	453582	5.00	5.50	
118 Ethylbenzene	91	11.176	11.176	0.000	98	2206402	5.00	5.39	
120 m-Xylene & p-Xylene	106	11.292	11.292	0.000	100	1695092	10.0	10.9	
121 o-Xylene	106	11.621	11.622	-0.001	97	839431	5.00	5.41	
122 Styrene	104	11.640	11.640	0.000	95	1450601	5.00	5.52	
123 Bromoform	173	11.792	11.792	0.000	97	247993	5.00	5.28	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
124 Isopropylbenzene	105	11.926	11.926	0.000	96	2204873	5.00	5.54	
\$ 127 4-Bromofluorobenzene (Surr)	95	12.067	12.067	0.000	90	1218014	10.0	10.0	
128 1,1,2,2-Tetrachloroethane	83	12.170	12.170	0.000	93	446068	5.00	5.26	
129 Bromobenzene	156	12.182	12.182	0.000	96	554628	5.00	5.39	
130 trans-1,4-Dichloro-2-butene	53	12.201	12.201	0.000	93	584117	25.0	26.4	
131 1,2,3-Trichloropropane	110	12.219	12.219	0.000	82	112281	5.00	5.16	
132 N-Propylbenzene	91	12.256	12.256	0.000	99	2647222	5.00	5.40	
133 2-Chlorotoluene	126	12.329	12.329	0.000	96	532350	5.00	5.32	
134 1,3,5-Trimethylbenzene	105	12.396	12.390	0.006	94	1876216	5.00	5.30	
135 4-Chlorotoluene	126	12.426	12.426	0.000	97	559007	5.00	5.37	
136 tert-Butylbenzene	134	12.633	12.634	-0.001	93	396582	5.00	5.19	M
137 Pentachloroethane	167	12.664	12.664	0.000	92	339992	5.00	5.17	
138 1,2,4-Trimethylbenzene	105	12.676	12.676	0.000	97	1951243	5.00	5.28	
139 sec-Butylbenzene	105	12.798	12.798	0.000	94	2453104	5.00	5.43	
140 1,3-Dichlorobenzene	146	12.896	12.896	0.000	98	1067603	5.00	5.14	
141 4-Isopropyltoluene	119	12.908	12.908	0.000	97	2140544	5.00	5.37	
* 142 1,4-Dichlorobenzene-d4	152	12.951	12.951	-0.001	95	1379647	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.969	12.969	0.000	95	1116472	5.00	5.36	
144 1,2,3-Trimethylbenzene	120	12.981	12.981	0.000	99	870662	5.00	5.14	
145 Benzyl chloride	126	13.048	13.048	0.000	99	170534	5.00	5.19	
146 p-Diethylbenzene	119	13.109	13.109	0.000	92	1255661	5.00	5.17	
147 n-Butylbenzene	92	13.200	13.200	0.000	97	1088496	5.00	5.23	
148 1,2-Dichlorobenzene	146	13.231	13.231	0.000	98	1014564	5.00	5.11	
150 1,2-Dibromo-3-Chloropropane	155	13.774	13.774	0.000	88	61059	5.00	5.38	
151 1,3,5-Trichlorobenzene	180	13.895	13.895	0.000	97	884174	5.00	5.21	
152 1,2,4-Trichlorobenzene	180	14.322	14.322	0.000	94	790035	5.00	5.30	
153 Hexachlorobutadiene	225	14.401	14.401	0.000	97	388856	5.00	5.52	
154 Naphthalene	128	14.499	14.499	0.000	97	1371127	5.00	5.29	
155 1,2,3-Trichlorobenzene	180	14.645	14.645	0.000	96	683523	5.00	5.26	
156 2-Methylnaphthalene	142	15.255	15.255	0.000	92	777449	5.00	5.37	
167 Pentane	43	2.916	2.916	0.000	96	582389	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_Penta_00029	Amount Added: 12.50	Units: uL	
MSV_LCS_VOC#1_00113	Amount Added: 12.50	Units: uL	
LCS_ETBR_00006	Amount Added: 12.50	Units: uL	
MSV_QC_Gas826_00144	Amount Added: 12.50	Units: uL	
MSV_LCS_ACROL_00117	Amount Added: 12.50	Units: uL	
MSV_LCS_EE_00007	Amount Added: 12.50	Units: uL	
MSV_29_826ISS_00046	Amount Added: 1.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X20.D

Injection Date: 13-Jun-2023 03:39:30

Instrument ID: 16334

Operator ID: gaw91131

Lims ID: ICV

Worklist Smp#: 21

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

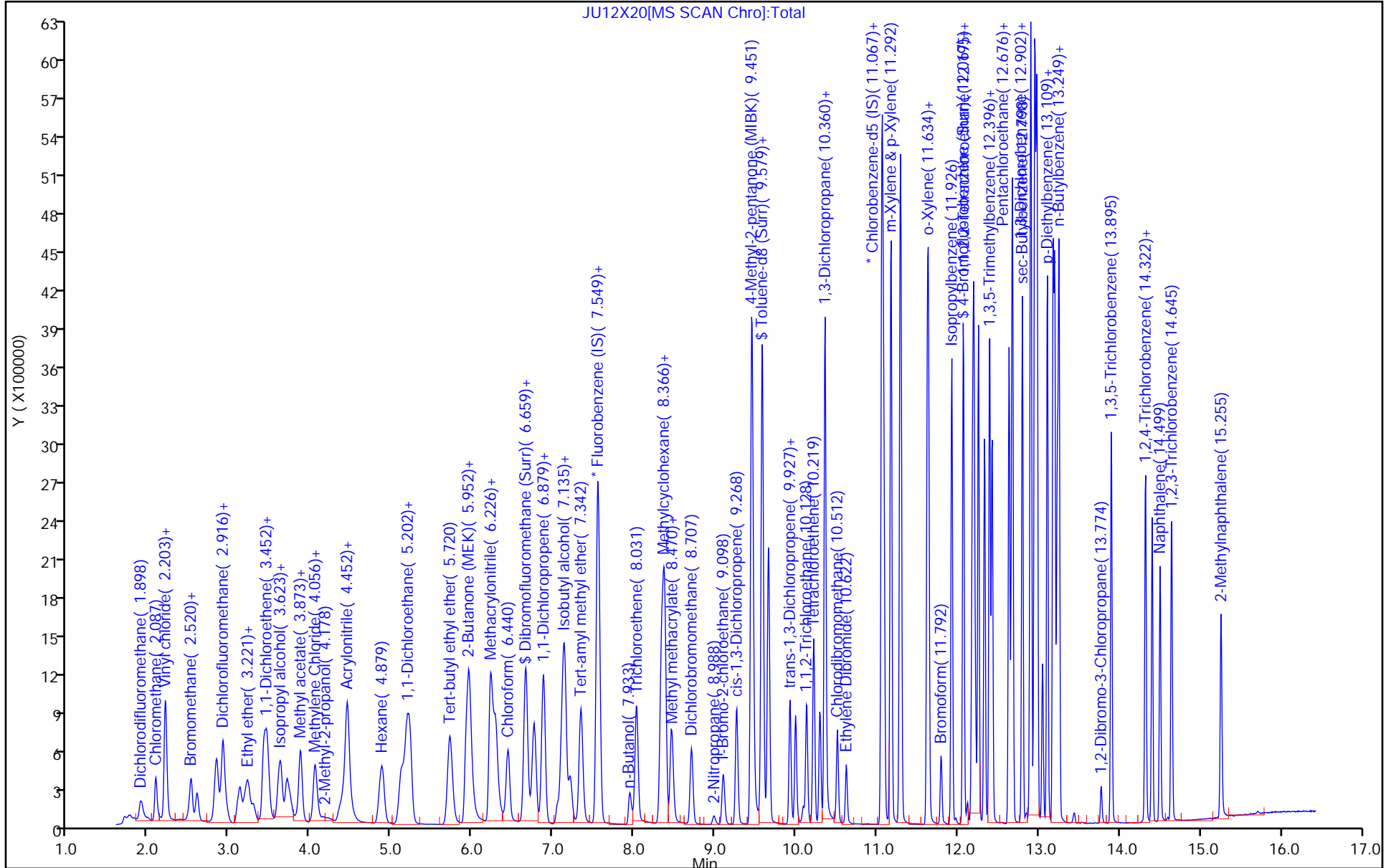
ALS Bottle#: 20

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

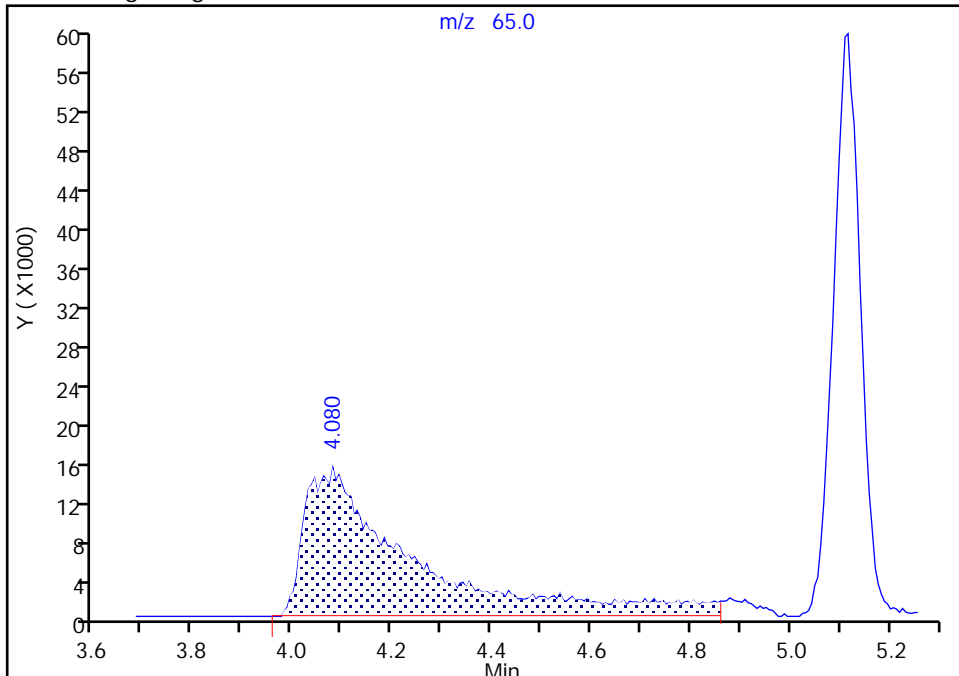
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Injection Date: 13-Jun-2023 03:39:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: gaw91131 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

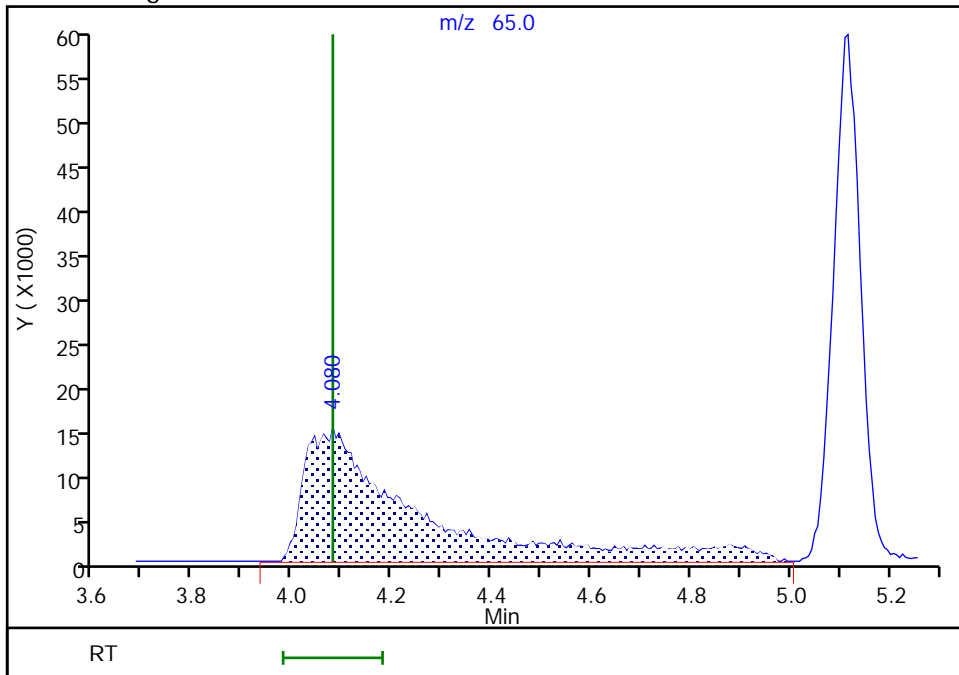
RT: 4.08
Area: 228117
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 4.08
Area: 236295
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 08:09:08 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

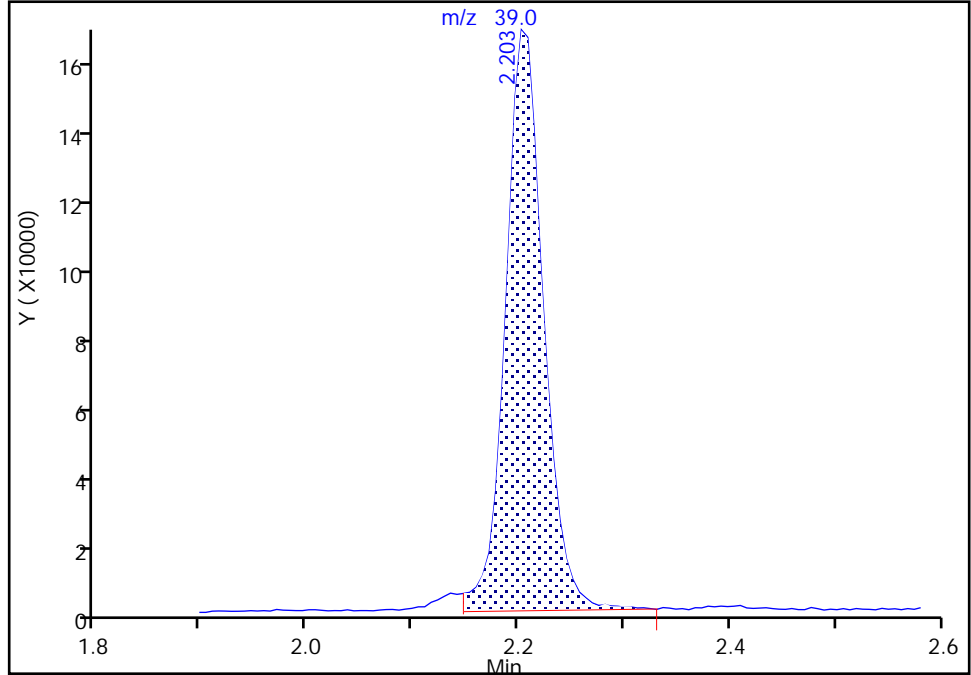
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Injection Date: 13-Jun-2023 03:39:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: gaw91131 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

7 Butadiene, CAS: 106-99-0

Signal: 1

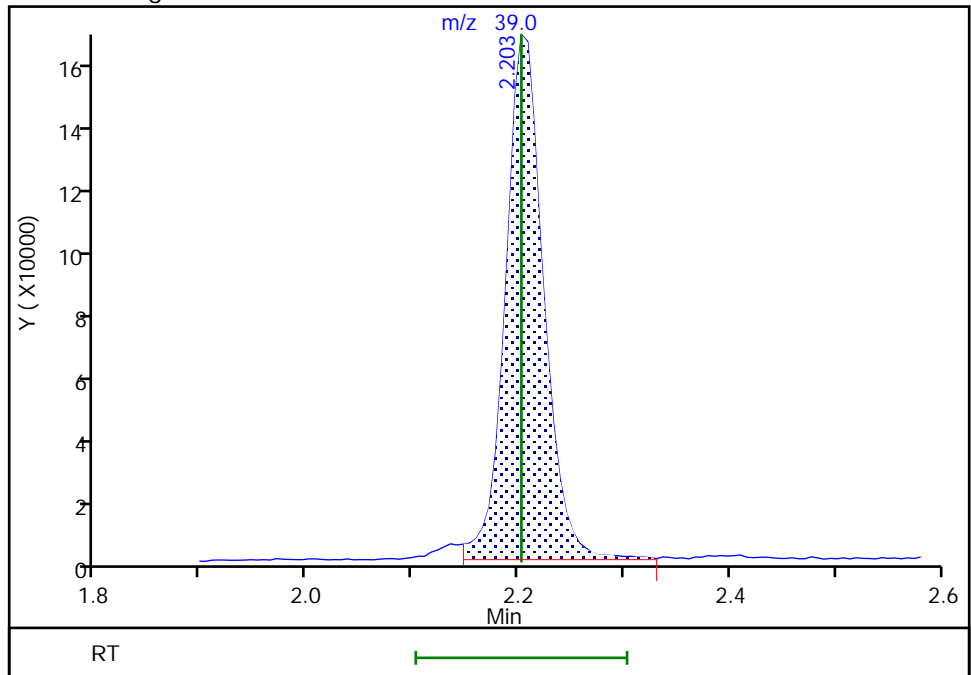
RT: 2.20
Area: 415982
Amount: 4.312759
Amount Units: ug/l

Processing Integration Results



RT: 2.20
Area: 416254
Amount: 4.326250
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 14-Jun-2023 08:01:42 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

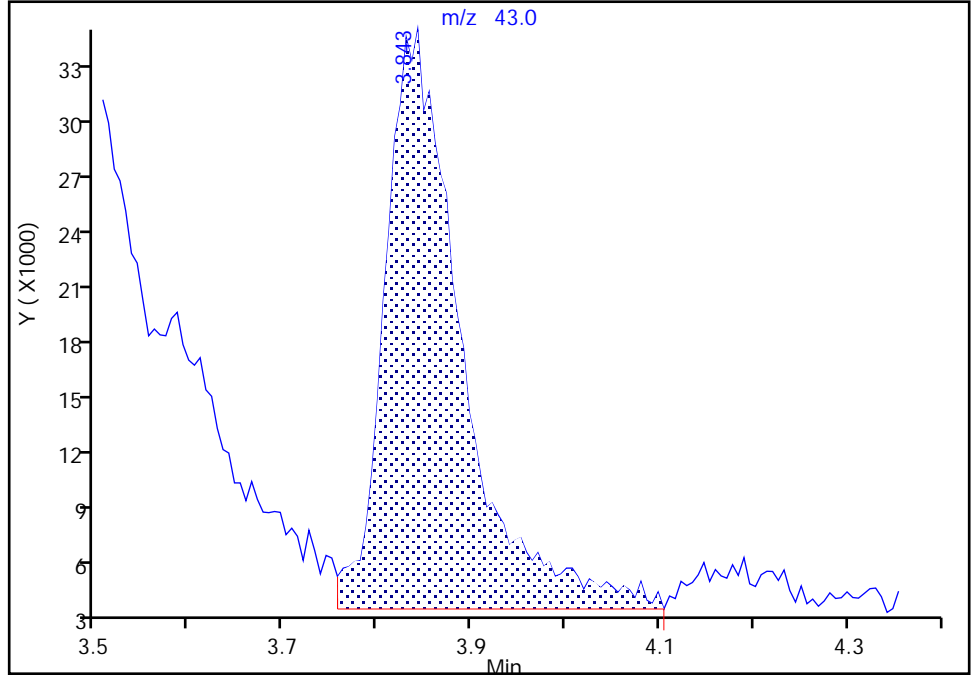
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Injection Date: 13-Jun-2023 03:39:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: gaw91131 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Methyl acetate, CAS: 79-20-9

Signal: 1

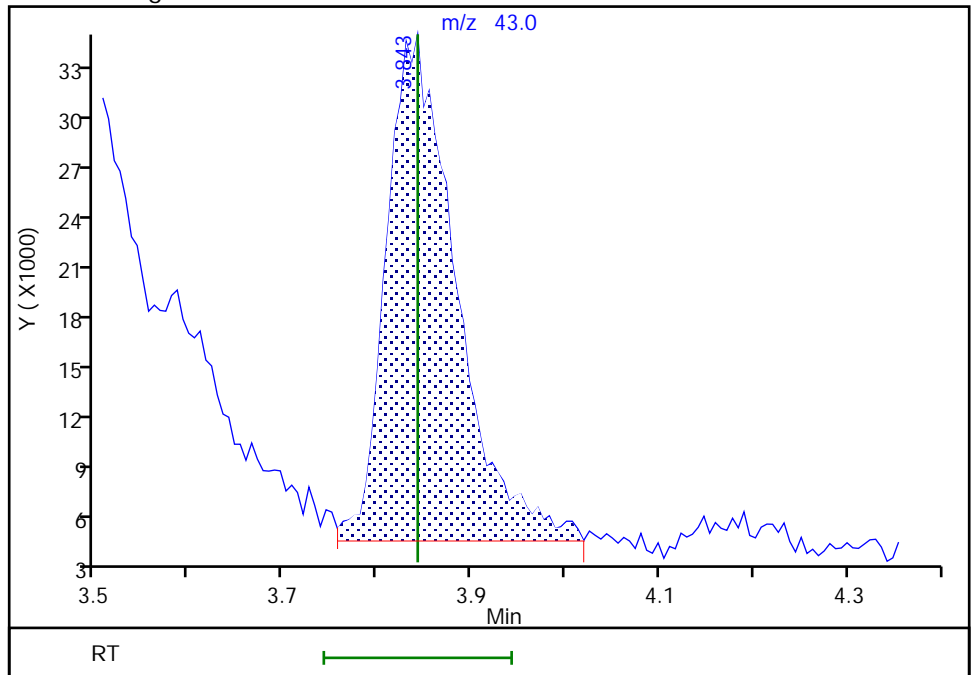
RT: 3.84
Area: 176646
Amount: 6.354074
Amount Units: ug/l

Processing Integration Results



RT: 3.84
Area: 155013
Amount: 5.580442
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 11:59:49 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

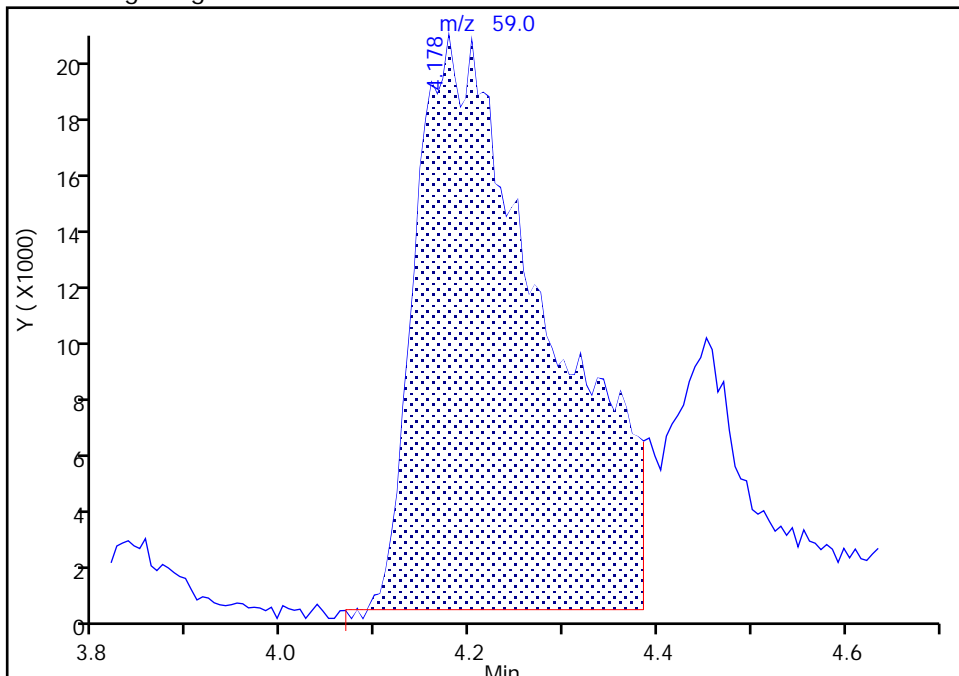
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Injection Date: 13-Jun-2023 03:39:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: gaw91131 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

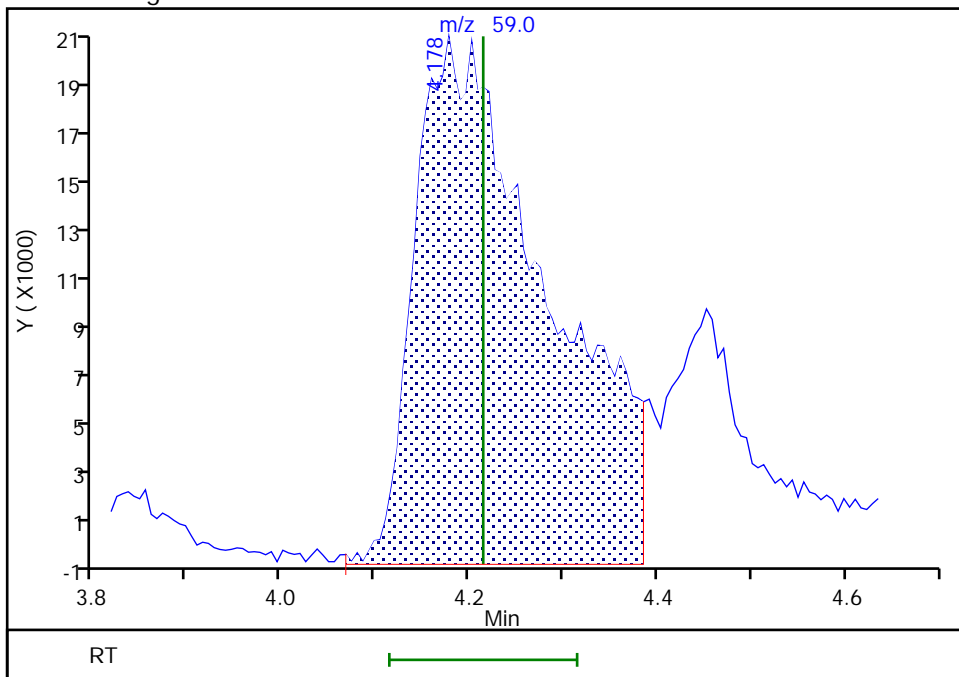
RT: 4.18
Area: 195832
Amount: 73.666773
Amount Units: ug/l

Processing Integration Results



RT: 4.18
Area: 202404
Amount: 48.527444
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 08:10:32 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

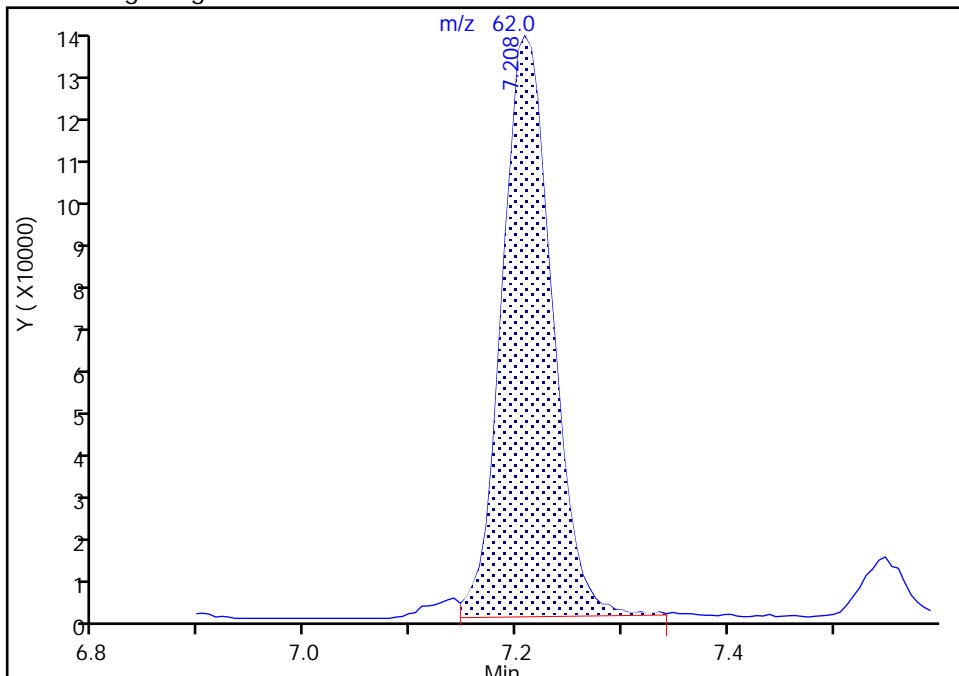
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Injection Date: 13-Jun-2023 03:39:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: gaw91131 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

61 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

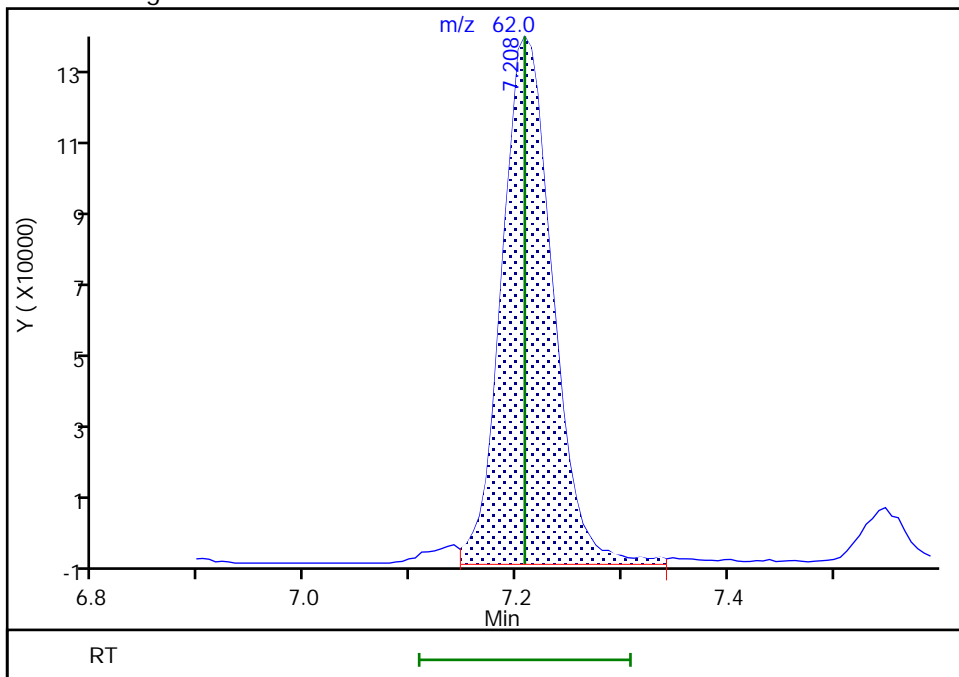
RT: 7.21
Area: 448494
Amount: 5.113452
Amount Units: ug/l

Processing Integration Results



RT: 7.21
Area: 457390
Amount: 5.229592
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 14-Jun-2023 08:09:32 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

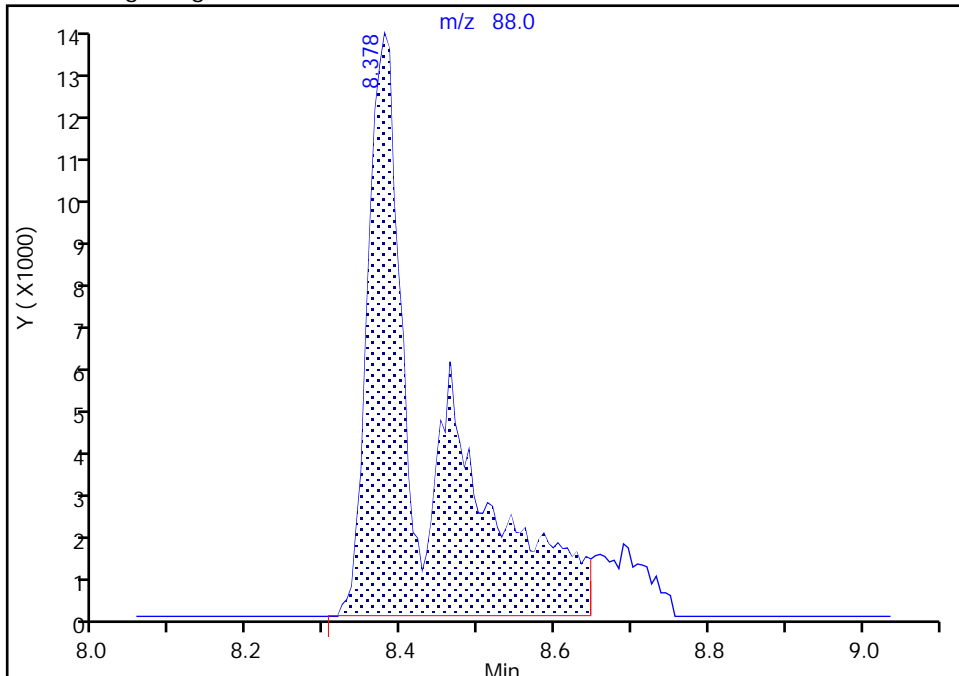
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Injection Date:	13-Jun-2023 03:39:30	Instrument ID:	16334
Lims ID:	ICV		
Client ID:			
Operator ID:	gaw91131	ALS Bottle#:	20
Purge Vol:	25.000 mL	Dil. Factor:	1.0000
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D
Column:	Rxi-624Sil MS Capillary Column (0.25mm ID)	Detector:	MS Quad
		Worklist Smp#:	21

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

Signal: 1

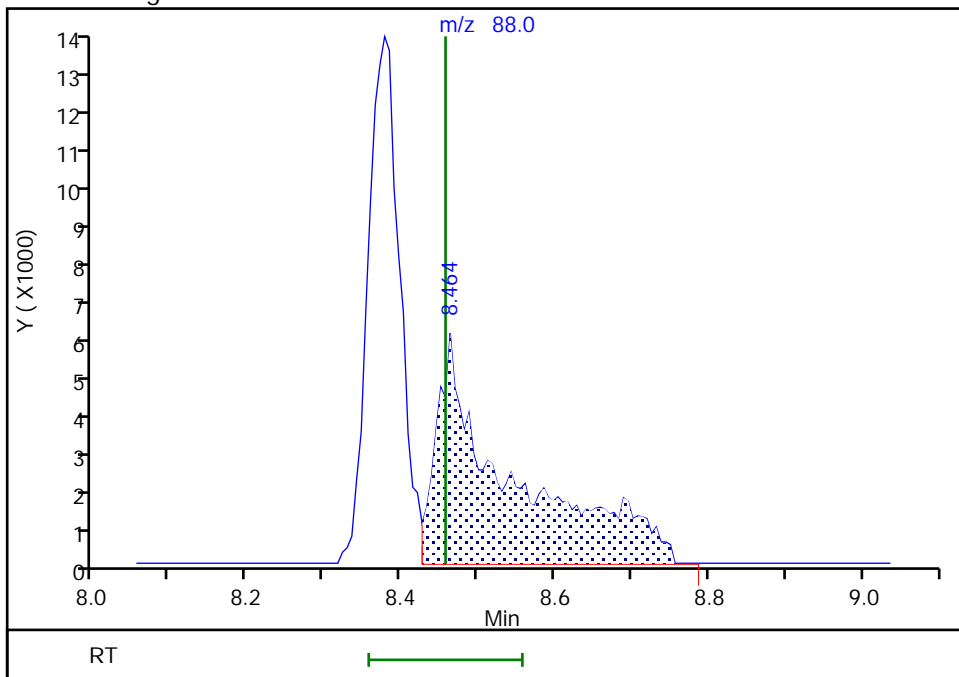
RT: 8.38
 Area: 68626
 Amount: 176.3522
 Amount Units: ug/l

Processing Integration Results



RT: 8.46
 Area: 37954
 Amount: 149.2049
 Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 13-Jun-2023 08:09:56 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

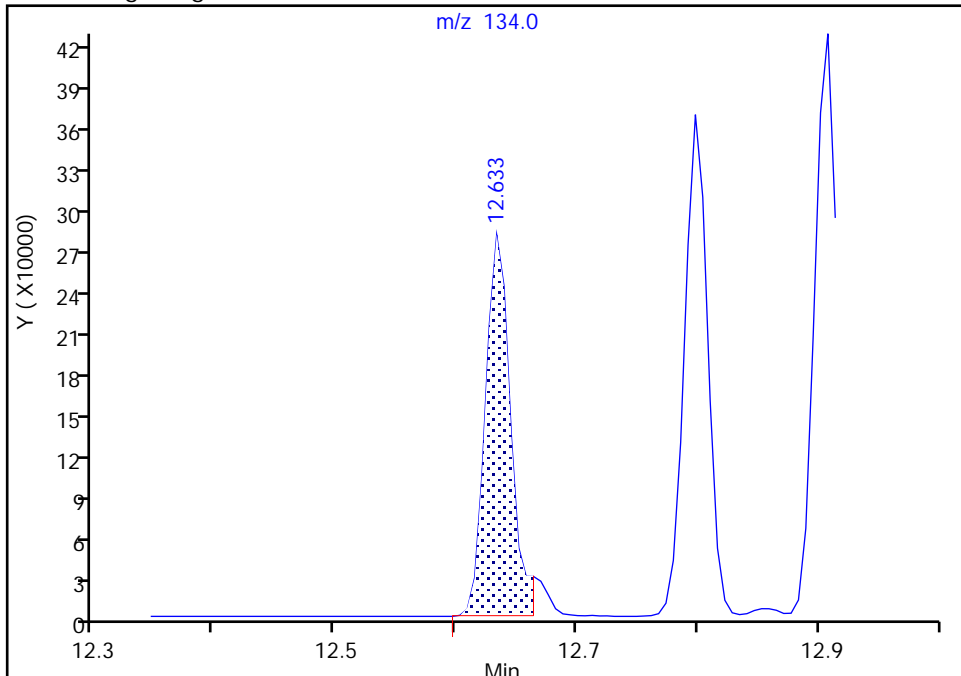
Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X20.D
 Injection Date: 13-Jun-2023 03:39:30 Instrument ID: 16334
 Lims ID: ICV
 Client ID:
 Operator ID: gaw91131 ALS Bottle#: 20 Worklist Smp#: 21
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
 Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

136 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

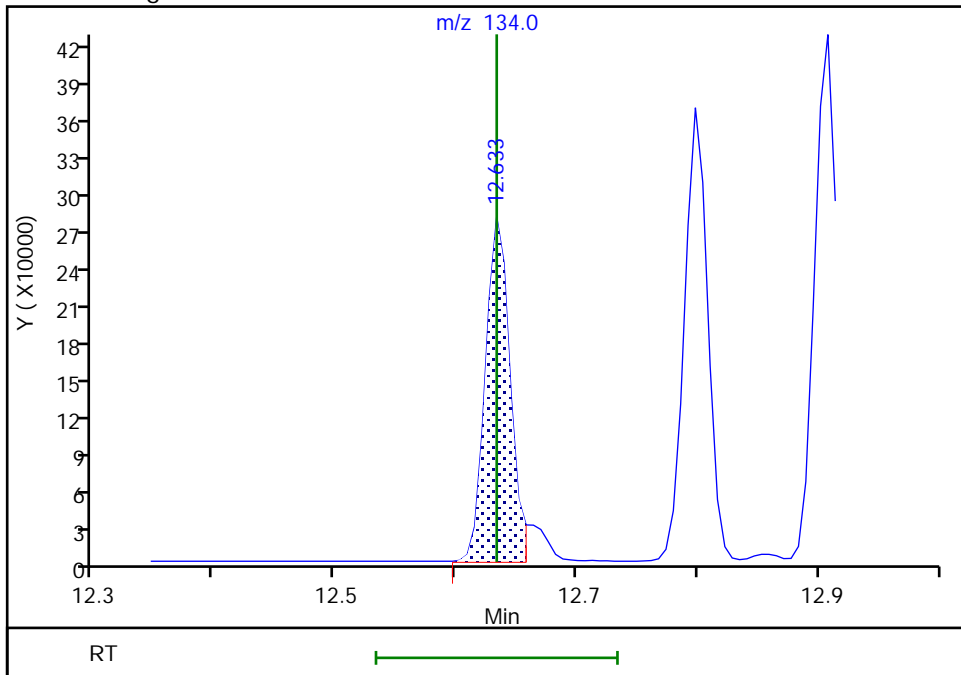
RT: 12.63
 Area: 407293
 Amount: 5.332927
 Amount Units: ug/l

Processing Integration Results



RT: 12.63
 Area: 396582
 Amount: 5.192682
 Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 14-Jun-2023 07:58:44 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-131835-1
 SDG No.: _____
 Lab Sample ID: CCVIS 410-393586/3 Calibration Date: 07/05/2023 09:59
 Instrument ID: 16334 Calib Start Date: 06/13/2023 00:42
 GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 06/13/2023 02:55
 Lab File ID: GL05X02.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	0.3212	0.2916	0.1000	11.4	12.5	-9.2	20.0
Chloromethane	Ave	0.3805	0.3261	0.1000	10.7	12.5	-14.3	20.0
Vinyl chloride	Ave	0.3558	0.3045	0.1000	10.7	12.5	-14.4	20.0
1,3-Butadiene	Ave	0.3202	0.7132		27.8	12.5	122.7*	20.0
Bromomethane	Ave	0.2448	0.2139	0.1000	10.9	12.5	-12.6	20.0
Chloroethane	Ave	0.2091	0.1783	0.1000	10.7	12.5	-14.7	20.0
Dichlorofluoromethane	Ave	0.4956	0.4482		11.3	12.5	-9.6	20.0
Trichlorofluoromethane	Ave	0.3750	0.3444	0.1000	11.5	12.5	-8.2	20.0
Pentane	None					12.5		20.0
Ethyl ether	Ave	0.2065	0.1698		10.3	12.5	-17.8	20.0
Freon 123a	Ave	0.2984	0.2736		11.5	12.5	-8.3	20.0
Acrolein	Ave	1.792	2.242		782	625	25.1*	20.0
1,1-Dichloroethene	Ave	0.2201	0.2021	0.1000	11.5	12.5	-8.2	20.0
Acetone	Ave	2.151	2.515	0.1000	146	125	16.9	20.0
Freon 113	Ave	0.2120	0.2162	0.1000	12.7	12.5	1.9	20.0
Methyl iodide	Ave	0.4151	0.3975		12.0	12.5	-4.2	20.0
Ethyl bromide	Ave	0.1973	0.1518		9.61	12.5	-23.1*	20.0
Carbon disulfide	Ave	0.7560	0.6503	0.1000	10.8	12.5	-14.0	20.0
Methyl acetate	Ave	5.878	7.745	0.1000	16.5	12.5	31.8*	20.0
Allyl chloride	Ave	0.3826	0.3278		10.7	12.5	-14.3	20.0
Methylene Chloride	Ave	0.2522	0.2331	0.1000	11.6	12.5	-7.6	20.0
t-Butyl alcohol	Ave	0.8826	0.8523		241	250	-3.4	20.0
Acrylonitrile	Ave	3.195	3.806		37.2	31.3	19.1	20.0
Methyl tert-butyl ether	Ave	0.6880	0.6129	0.1000	11.1	12.5	-10.9	20.0
trans-1,2-Dichloroethene	Ave	0.2574	0.2338	0.1000	11.4	12.5	-9.1	20.0
n-Hexane	Ave	0.3131	0.3089		12.3	12.5	-1.3	20.0
1,1-Dichloroethane	Ave	0.4488	0.4154	0.2000	11.6	12.5	-7.4	20.0
di-Isopropyl ether	Ave	0.8515	0.7640		11.2	12.5	-10.3	20.0
2-Chloro-1,3-butadiene	Ave	0.3778	0.3496		11.6	12.5	-7.5	20.0
Ethyl t-butyl ether	Ave	0.8143	0.6847		10.5	12.5	-15.9	20.0
2-Butanone (MEK)	Ave	4.563	5.245	0.1000	144	125	14.9	20.0
cis-1,2-Dichloroethene	Ave	0.2862	0.2641	0.1000	11.5	12.5	-7.7	20.0
2,2-Dichloropropane	Ave	0.3708	0.3432		11.6	12.5	-7.4	20.0
Propionitrile	Ave	1.113	1.297		291	250	16.5	20.0
Methacrylonitrile	Ave	4.730	5.437		144	125	14.9	20.0
Bromochloromethane	Ave	0.1242	0.1232		12.4	12.5	-0.8	20.0
Tetrahydrofuran	Ave	1.392	1.531		68.7	62.5	10.0	20.0
Chloroform	Ave	0.4525	0.4294	0.2000	11.9	12.5	-5.1	20.0
1,1,1-Trichloroethane	Ave	0.3798	0.3664	0.1000	12.1	12.5	-3.5	20.0
Cyclohexane	Ave	0.4022	0.3729	0.1000	11.6	12.5	-7.3	20.0
Carbon tetrachloride	Ave	0.3231	0.3354	0.1000	13.0	12.5	3.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-131835-1

SDG No.: _____

Lab Sample ID: CCVIS 410-393586/3 Calibration Date: 07/05/2023 09:59

Instrument ID: 16334 Calib Start Date: 06/13/2023 00:42

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 06/13/2023 02:55

Lab File ID: GL05X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1-Dichloropropene	Ave	0.3403	0.3241		11.9	12.5	-4.8	20.0
Isobutyl alcohol	Ave	0.0049	0.0039		498	625	-20.3*	20.0
Benzene	Ave	1.052	0.9658	0.5000	11.5	12.5	-8.2	20.0
1,2-Dichloroethane	Ave	0.2911	0.2843	0.1000	12.2	12.5	-2.3	20.0
t-Amyl methyl ether	Ave	0.7472	0.6242		10.4	12.5	-16.5	20.0
n-Heptane	Ave	0.3268	0.3317		12.7	12.5	1.5	20.0
n-Butanol	Ave	0.2685	0.2668		1090	1090	-0.7	20.0
Trichloroethene	Ave	0.2765	0.2619	0.2000	11.8	12.5	-5.2	20.0
Methylcyclohexane	Ave	0.4145	0.4147	0.1000	12.5	12.5	0.0	20.0
1,2-Dichloropropane	Ave	0.2730	0.2575	0.1000	11.8	12.5	-5.7	20.0
Methyl methacrylate	Ave	9.592	10.24		13.3	12.5	6.7	20.0
Dibromomethane	Ave	0.1305	0.1322		12.7	12.5	1.3	20.0
1,4-Dioxane	Ave	0.0538	0.0521	0.0050	606	625	-3.1	20.0
Bromodichloromethane	Ave	0.3334	0.3239	0.2000	12.1	12.5	-2.8	20.0
2-Nitropropane	Ave	2.711	3.146		72.5	62.5	16.0	20.0
1-Bromo-2-chloroethane	Ave	0.3034	0.2615		10.8	12.5	-13.8	20.0
cis-1,3-Dichloropropene	Ave	0.4178	0.3945	0.2000	11.8	12.5	-5.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	12.84	14.10	0.1000	137	125	9.8	20.0
Toluene	Ave	0.8679	0.8325	0.4000	12.0	12.5	-4.1	20.0
trans-1,3-Dichloropropene	Ave	0.4582	0.4431	0.1000	12.1	12.5	-3.3	20.0
Ethyl methacrylate	Ave	0.3765	0.3797		12.6	12.5	0.8	20.0
1,1,2-Trichloroethane	Ave	0.2605	0.2542	0.1000	12.2	12.5	-2.4	20.0
Tetrachloroethene	Ave	0.3699	0.3846	0.2000	13.0	12.5	4.0	20.0
1,3-Dichloropropane	Ave	0.4400	0.4248		12.1	12.5	-3.5	20.0
2-Hexanone	Ave	9.051	10.45	0.1000	144	125	15.5	20.0
Dibromochloromethane	Ave	0.3052	0.3212		13.2	12.5	5.2	20.0
1,2-Dibromoethane (EDB)	Ave	0.2431	0.2472	0.1000	12.7	12.5	1.7	20.0
1-Chlorohexane	Ave	0.4956	0.4772		12.0	12.5	-3.7	20.0
Chlorobenzene	Ave	0.997	0.9882	0.5000	12.4	12.5	-0.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3388	0.3456		12.7	12.5	2.0	20.0
Ethylbenzene	Ave	1.683	1.633	0.1000	12.1	12.5	-3.0	20.0
m&p-Xylene	Ave	0.6412	0.6467	0.1000	25.2	25.0	0.9	20.0
o-Xylene	Ave	0.6369	0.6328	0.3000	12.4	12.5	-0.6	20.0
Styrene	Ave	1.079	1.083	0.3000	12.5	12.5	0.4	20.0
Bromoform	Ave	0.1930	0.1920	0.1000	12.4	12.5	-0.5	20.0
Isopropylbenzene	Ave	1.635	1.614	0.1000	12.3	12.5	-1.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6146	0.5665	0.3000	11.5	12.5	-7.8	20.0
Bromobenzene	Ave	0.7462	0.7225		12.1	12.5	-3.2	20.0
trans-1,4-Dichloro-2-butene	Ave	4.690	1.733		46.2	125	-63.1*	20.0
1,2,3-Trichloropropane	Ave	0.1579	0.1514		12.0	12.5	-4.1	20.0
N-Propylbenzene	Ave	3.556	3.326		11.7	12.5	-6.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-131835-1

SDG No.: _____

Lab Sample ID: CCVIS 410-393586/3 Calibration Date: 07/05/2023 09:59

Instrument ID: 16334 Calib Start Date: 06/13/2023 00:42

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 06/13/2023 02:55

Lab File ID: GL05X02.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
2-Chlorotoluene	Ave	0.7248	0.7074		12.2	12.5	-2.4	20.0
1,3,5-Trimethylbenzene	Ave	2.568	2.428		11.8	12.5	-5.5	20.0
4-Chlorotoluene	Ave	0.7548	0.7462		12.4	12.5	-1.1	20.0
tert-Butylbenzene	Ave	0.5536	0.5767		13.0	12.5	4.2	20.0
Pentachloroethane	Ave	0.4767	0.4703		12.3	12.5	-1.4	20.0
1,2,4-Trimethylbenzene	Ave	2.677	2.554		11.9	12.5	-4.6	20.0
sec-Butylbenzene	Ave	3.277	3.147		12.0	12.5	-4.0	20.0
1,3-Dichlorobenzene	Ave	1.506	1.474	0.6000	12.2	12.5	-2.1	20.0
p-Isopropyltoluene	Ave	2.890	2.845		12.3	12.5	-1.5	20.0
1,4-Dichlorobenzene	Ave	1.509	1.440	0.5000	11.9	12.5	-4.6	20.0
1,2,3-Trimethylbenzene	Ave	1.227	1.178		12.0	12.5	-4.0	20.0
Benzyl chloride	Ave	0.2382	0.2527		13.3	12.5	6.1	20.0
n-Butylbenzene	Ave	1.510	1.422		11.8	12.5	-5.8	20.0
1,2-Dichlorobenzene	Ave	1.438	1.396	0.4000	12.1	12.5	-2.9	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0822	0.0830	0.0500	12.6	12.5	1.0	20.0
1,3,5-Trichlorobenzene	Ave	1.229	1.193		12.1	12.5	-2.9	20.0
1,2,4-Trichlorobenzene	Ave	1.081	1.019	0.2000	11.8	12.5	-5.7	20.0
Hexachlorobutadiene	Ave	0.5105	0.5225		12.8	12.5	2.4	20.0
Naphthalene	Ave	1.879	1.733		11.5	12.5	-7.8	20.0
1,2,3-Trichlorobenzene	Ave	0.9427	0.8613		11.4	12.5	-8.6	20.0
Dibromofluoromethane (Surr)	Ave	0.2393	0.2449		10.2	10.0	2.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0502	0.0510		10.1	10.0	1.5	20.0
Toluene-d8 (Surr)	Ave	1.294	1.274		9.85	10.0	-1.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4997	0.4843		9.69	10.0	-3.1	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\GL05X02.D
 Lims ID: CCVIS VSTD12.5
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 05-Jul-2023 09:59:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088183-003
 Misc. Info.: CCVIS12.5
 Operator ID: knk41612 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub4
 Method: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Jul-2023 06:56:03 Calib Date: 13-Jun-2023 02:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1617

First Level Reviewer: DVW2 Date: 05-Jul-2023 10:27:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.904	1.904	0.000	99	1026532	12.5	11.4	
5 Chloromethane	50	2.093	2.093	0.000	99	1148025	12.5	10.7	
6 Vinyl chloride	62	2.202	2.202	0.000	98	1072035	12.5	10.7	
7 Butadiene	39	2.209	2.209	0.000	92	2510565	12.5	27.8	E
9 Bromomethane	94	2.526	2.526	0.000	91	752907	12.5	10.9	
10 Chloroethane	64	2.605	2.605	0.000	100	627561	12.5	10.7	
11 Dichlorofluoromethane	67	2.837	2.837	0.000	97	1577747	12.5	11.3	
12 Trichlorofluoromethane	101	2.897	2.897	0.000	97	1212344	12.5	11.5	
13 Ethyl ether	59	3.123	3.123	0.000	91	597896	12.5	10.3	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.221	3.221	0.000	91	963009	12.5	11.5	
17 Acrolein	56	3.288	3.288	0.000	98	5223040	625.0	781.9	
18 1,1-Dichloroethene	96	3.422	3.422	0.000	97	711478	12.5	11.5	
19 Acetone	43	3.452	3.452	0.000	86	1171781	125.0	146.1	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.464	3.464	0.000	92	760983	12.5	12.7	
22 Iodomethane	142	3.611	3.611	0.000	99	1399341	12.5	12.0	
21 Isopropyl alcohol	45	3.605	3.605	0.000	34	307664	250.0	173.8	
23 Ethyl bromide	108	3.635	3.635	0.000	98	533782	12.5	9.61	
24 Carbon disulfide	76	3.714	3.714	0.000	99	2289241	12.5	10.8	
25 Methyl acetate	43	3.849	3.849	0.000	96	360856	12.5	16.5	
27 3-Chloro-1-propene	41	3.879	3.879	0.000	91	1153770	12.5	10.7	
29 Methylene Chloride	84	4.056	4.056	0.000	91	820594	12.5	11.6	
* 30 t-Butyl alcohol-d10 (IS)	65	4.086	4.086	0.000	99	186370	50.0	50.0	M
31 2-Methyl-2-propanol	59	4.214	4.214	0.000	99	794190	250.0	241.4	
32 Acrylonitrile	53	4.391	4.391	0.000	98	443383	31.3	37.2	
33 Methyl tert-butyl ether	73	4.452	4.452	0.000	95	2157583	12.5	11.1	
34 trans-1,2-Dichloroethene	96	4.452	4.452	0.000	99	823191	12.5	11.4	
35 Hexane	57	4.885	4.885	0.000	93	1087260	12.5	12.3	
37 1,1-Dichloroethane	63	5.117	5.117	0.000	96	1462320	12.5	11.6	
38 Isopropyl ether	45	5.190	5.190	0.000	94	2689469	12.5	11.2	
39 2-Chloro-1,3-butadiene	53	5.226	5.226	0.000	91	1230752	12.5	11.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.726	5.726	0.000	98	2410312	12.5	10.5	
41 2-Butanone (MEK)	43	5.927	5.927	0.000	100	2443602	125.0	143.7	
42 cis-1,2-Dichloroethene	96	5.958	5.958	0.000	81	929829	12.5	11.5	
43 2,2-Dichloropropane	77	5.970	5.970	0.000	87	1208114	12.5	11.6	
45 Propionitrile	54	6.025	6.025	0.000	99	1208195	250.0	291.3	
48 Methacrylonitrile	67	6.238	6.238	0.000	91	2533207	125.0	143.7	
49 Chlorobromomethane	128	6.287	6.287	0.000	91	433637	12.5	12.4	
50 Tetrahydrofuran	71	6.311	6.311	0.000	87	356565	62.5	68.7	
51 Chloroform	83	6.439	6.439	0.000	93	1511563	12.5	11.9	
\$ 52 Dibromofluoromethane (Surr)	113	6.659	6.659	0.000	93	689555	10.0	10.2	
53 1,1,1-Trichloroethane	97	6.671	6.671	0.000	98	1289732	12.5	12.1	
54 Cyclohexane	56	6.769	6.769	0.000	90	1312846	12.5	11.6	
55 Carbon tetrachloride	117	6.878	6.878	0.000	96	1180596	12.5	13.0	
56 1,1-Dichloropropene	75	6.885	6.885	0.000	96	1140955	12.5	11.9	
58 Isobutyl alcohol	41	7.061	7.061	0.000	93	684046	625.0	498.4	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.116	7.116	0.000	87	143569	10.0	10.1	
60 Benzene	78	7.147	7.147	0.000	96	3399873	12.5	11.5	
61 1,2-Dichloroethane	62	7.214	7.214	0.000	98	1000808	12.5	12.2	
63 Tert-amyl methyl ether	73	7.348	7.348	0.000	98	2197242	12.5	10.4	
* 64 Fluorobenzene (IS)	96	7.555	7.555	0.000	99	2816172	10.0	10.0	
65 n-Heptane	43	7.567	7.567	0.000	92	1167485	12.5	12.7	
67 n-Butanol	56	7.951	7.951	0.000	89	1087639	1093.8	1086.6	
68 Trichloroethene	95	8.031	8.031	0.000	97	922115	12.5	11.8	
69 Methylcyclohexane	83	8.342	8.342	0.000	92	1459930	12.5	12.5	
70 1,2-Dichloropropane	63	8.366	8.366	0.000	97	906477	12.5	11.8	
71 2-ethoxy-2-methyl butane	87	8.384	8.384	0.000	93	1216911	12.5	10.3	
72 Methyl methacrylate	69	8.457	8.457	0.000	91	476966	12.5	13.3	
74 Dibromomethane	93	8.476	8.476	0.000	95	465434	12.5	12.7	
73 1,4-Dioxane	88	8.482	8.482	0.000	32	121482	625.0	605.5	
76 Dichlorobromomethane	83	8.713	8.713	0.000	100	1140170	12.5	12.1	
77 2-Nitropropane	41	8.988	8.988	0.000	98	732824	62.5	72.5	
79 1-Bromo-2-chloroethane	63	9.104	9.104	0.000	99	920641	12.5	10.8	
81 cis-1,3-Dichloropropene	75	9.268	9.268	0.000	96	1388863	12.5	11.8	
82 4-Methyl-2-pentanone (MIBK)	43	9.457	9.457	0.000	97	6571179	125.0	137.3	
\$ 83 Toluene-d8 (Surr)	98	9.585	9.585	0.000	93	2779054	10.0	9.85	
84 Toluene	92	9.664	9.664	0.000	98	2269647	12.5	12.0	
85 trans-1,3-Dichloropropene	75	9.927	9.927	0.000	92	1208154	12.5	12.1	
86 Ethyl methacrylate	69	9.994	9.994	0.000	89	1035113	12.5	12.6	
107 1,1,2-Trichloroethane	97	10.134	10.134	0.000	91	693102	12.5	12.2	
108 Tetrachloroethene	166	10.219	10.219	0.000	98	1048654	12.5	13.0	
109 1,3-Dichloropropane	76	10.298	10.298	0.000	90	1158084	12.5	12.1	
110 2-Hexanone	43	10.359	10.359	0.000	98	4868810	125.0	144.3	
112 Chlorodibromomethane	129	10.512	10.512	0.000	89	875663	12.5	13.2	
113 Ethylene Dibromide	107	10.622	10.622	0.000	99	674001	12.5	12.7	
* 114 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	85	2181138	10.0	10.0	
115 1-Chlorohexane	91	11.073	11.073	0.000	97	1300956	12.5	12.0	
116 Chlorobenzene	112	11.085	11.085	0.000	96	2694146	12.5	12.4	
117 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	96	942272	12.5	12.7	
118 Ethylbenzene	91	11.176	11.176	0.000	98	4451139	12.5	12.1	
120 m-Xylene & p-Xylene	106	11.292	11.292	0.000	99	3526301	25.0	25.2	
121 o-Xylene	106	11.621	11.621	0.000	95	1725288	12.5	12.4	
122 Styrene	104	11.634	11.634	0.000	94	2953626	12.5	12.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 Bromoform	173	11.792	11.792	0.000	98	523560	12.5	12.4	
124 Isopropylbenzene	105	11.920	11.920	0.000	95	4400151	12.5	12.3	
\$ 127 4-Bromofluorobenzene (Surr)	95	12.060	12.060	0.000	92	1056323	10.0	9.69	
128 1,1,2,2-Tetrachloroethane	83	12.164	12.164	0.000	94	906621	12.5	11.5	
129 Bromobenzene	156	12.182	12.182	0.000	97	1156363	12.5	12.1	
130 trans-1,4-Dichloro-2-butene	53	12.194	12.194	0.000	93	807313	125.0	46.2	
131 1,2,3-Trichloropropane	110	12.213	12.213	0.000	83	242345	12.5	12.0	
132 N-Propylbenzene	91	12.249	12.249	0.000	99	5323777	12.5	11.7	
133 2-Chlorotoluene	126	12.322	12.322	0.000	97	1132203	12.5	12.2	
134 1,3,5-Trimethylbenzene	105	12.383	12.383	0.000	94	3885878	12.5	11.8	
135 4-Chlorotoluene	126	12.420	12.420	0.000	97	1194215	12.5	12.4	
136 tert-Butylbenzene	134	12.627	12.627	0.000	93	922922	12.5	13.0	
137 Pentachloroethane	167	12.658	12.658	0.000	94	752696	12.5	12.3	
138 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	4087456	12.5	11.9	
139 sec-Butylbenzene	105	12.792	12.792	0.000	94	5036156	12.5	12.0	
140 1,3-Dichlorobenzene	146	12.889	12.889	0.000	99	2359415	12.5	12.2	
141 4-Isopropyltoluene	119	12.896	12.896	0.000	97	4553015	12.5	12.3	
* 142 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	1280368	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.963	12.963	0.000	95	2305029	12.5	11.9	
144 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	98	1885268	12.5	12.0	
145 Benzyl chloride	126	13.036	13.036	0.000	98	404398	12.5	13.3	
146 p-Diethylbenzene	119	13.097	13.097	0.000	92	2736711	12.5	12.1	
147 n-Butylbenzene	92	13.188	13.188	0.000	97	2276370	12.5	11.8	
148 1,2-Dichlorobenzene	146	13.219	13.219	0.000	99	2235010	12.5	12.1	
150 1,2-Dibromo-3-Chloropropane	155	13.761	13.761	0.000	89	132846	12.5	12.6	
151 1,3,5-Trichlorobenzene	180	13.883	13.883	0.000	98	1909929	12.5	12.1	
152 1,2,4-Trichlorobenzene	180	14.304	14.304	0.000	94	1631375	12.5	11.8	
153 Hexachlorobutadiene	225	14.383	14.383	0.000	97	836248	12.5	12.8	
154 Naphthalene	128	14.481	14.481	0.000	97	2773188	12.5	11.5	
155 1,2,3-Trichlorobenzene	180	14.621	14.621	0.000	96	1378486	12.5	11.4	
156 2-Methylnaphthalene	142	15.230	15.230	0.000	92	1443459	12.5	10.7	
167 Pentane	43	2.922	2.922	0.000	95	1114853	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#2_826_00094

Amount Added: 25.00

Units: uL

MSV_LL_#1_826_00082

Amount Added: 25.00

Units: uL

MSV_LL_GAS826_00158

Amount Added: 25.00

Units: uL

MSV_29_826ISS_00048

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\GL05X02.D

Injection Date: 05-Jul-2023 09:59:30

Instrument ID: 16334

Operator ID: knk41612

Lims ID: CCVIS VSTD12.5

Worklist Smp#: 3

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

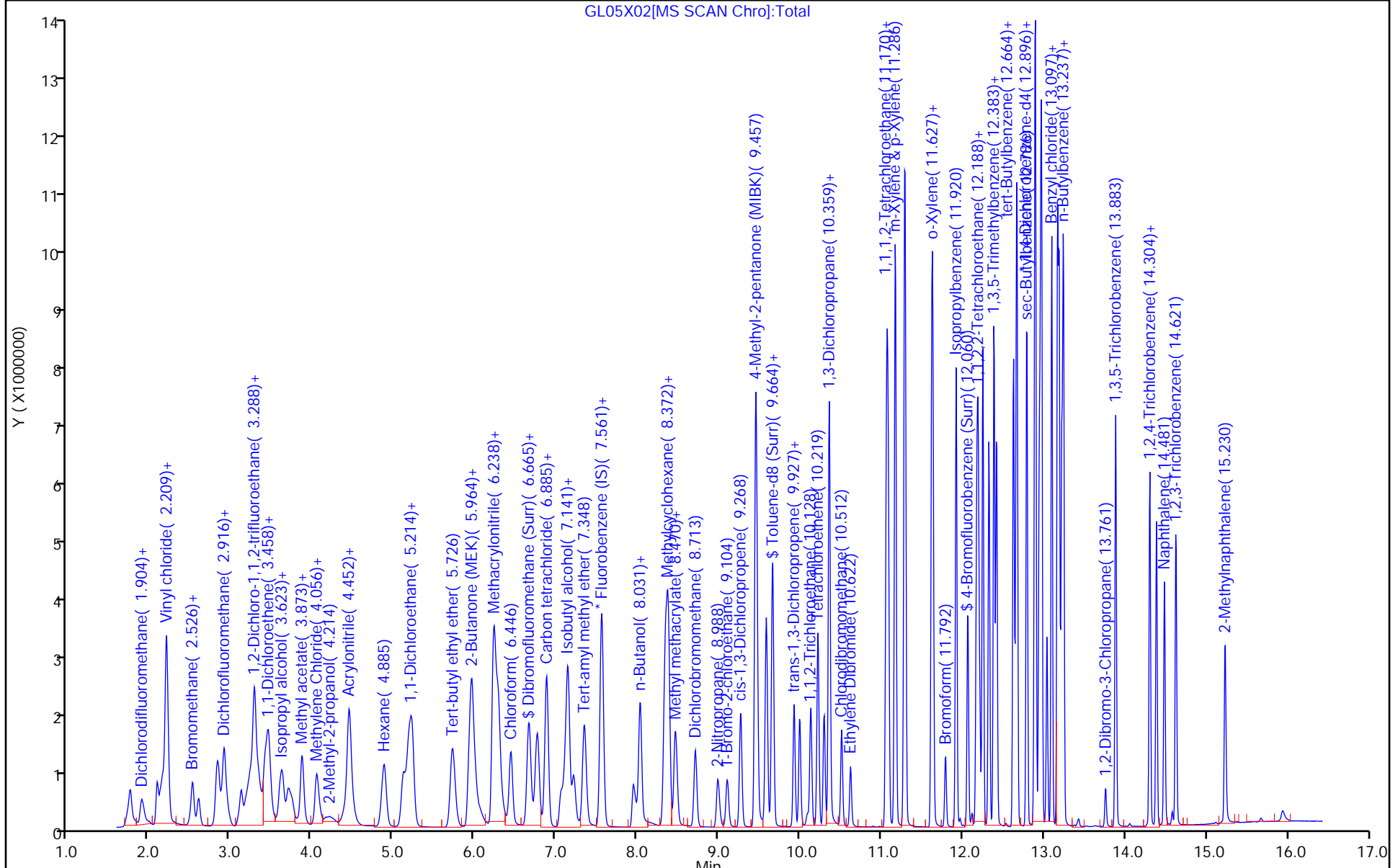
ALS Bottle#: 2

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



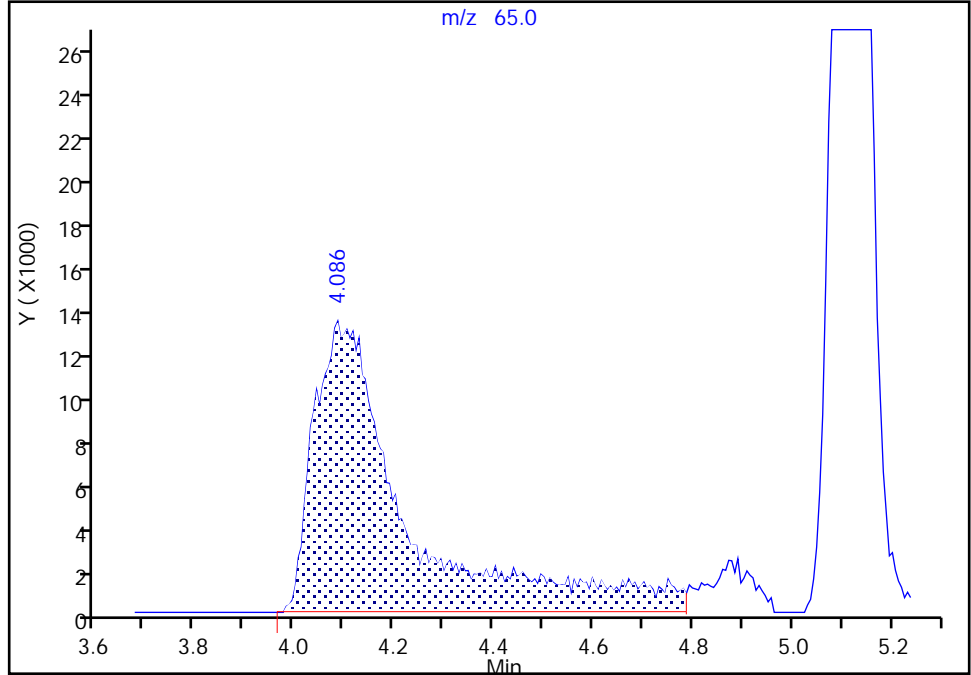
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\GL05X02.D
Injection Date: 05-Jul-2023 09:59:30 Instrument ID: 16334
Lims ID: CCVIS VSTD12.5
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2
Signal: 1

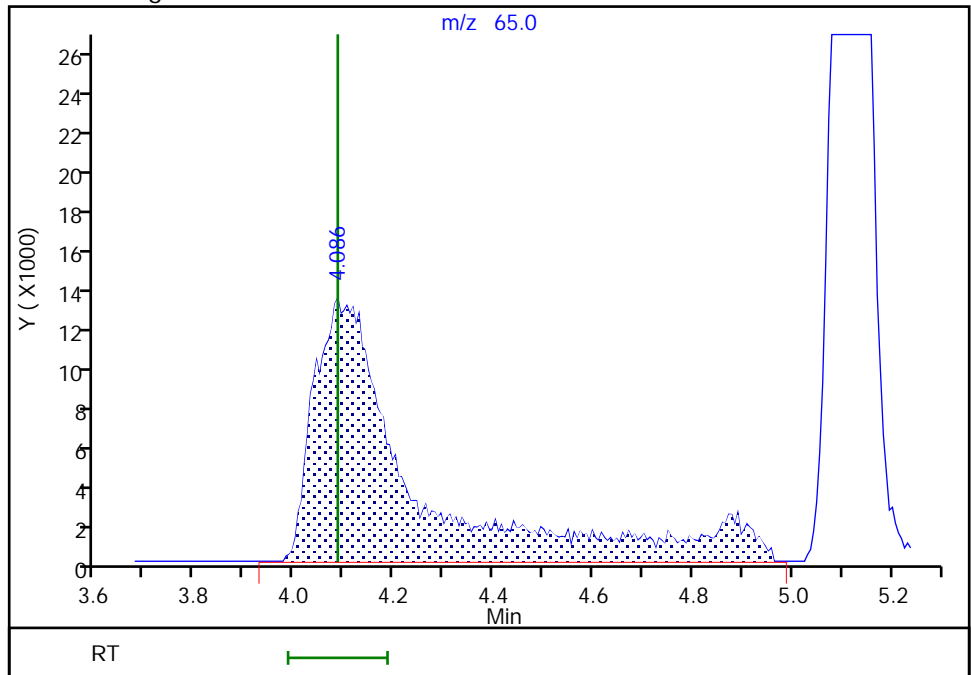
RT: 4.09
Area: 171814
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 4.09
Area: 186370
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-131835-1

SDG No.: _____

Lab Sample ID: ICV 410-388102/21 Calibration Date: 06/19/2023 21:07

Instrument ID: 19930 Calib Start Date: 06/19/2023 18:19

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 06/19/2023 20:25

Lab File ID: IU19X20.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	0.4004	0.3483	0.1000	4.35	5.00	-13.0	30.0
Chloromethane	Ave	0.4068	0.3486	0.1000	4.28	5.00	-14.3	30.0
Vinyl chloride	Ave	0.3892	0.3475	0.1000	4.46	5.00	-10.7	30.0
1,3-Butadiene	Ave	0.4073	0.2992		3.67	5.00	-26.5	30.0
Bromomethane	Ave	0.3038	0.2659	0.1000	4.38	5.00	-12.5	30.0
Chloroethane	Ave	0.2329	0.2166	0.1000	4.65	5.00	-7.0	30.0
Dichlorofluoromethane	Ave	0.6499	0.5241		4.03	5.00	-19.4	30.0
Trichlorofluoromethane	Ave	0.4955	0.4545	0.1000	4.59	5.00	-8.3	30.0
Ethyl ether	Ave	0.2046	0.1909		4.67	5.01	-6.7	30.0
Freon 123a	Ave	0.3534	0.3205		4.53	5.00	-9.3	30.0
Acrolein	Ave	2.165	1.920		33.2	37.5	-11.3	30.0
1,1-Dichloroethene	Ave	0.2682	0.2593	0.1000	4.83	5.00	-3.3	30.0
Acetone	Ave	2.391	2.028	0.1000	53.0	62.5	-15.2	30.0
Freon 113	Ave	0.2847	0.2739	0.1000	4.81	5.00	-3.8	30.0
Methyl iodide	Ave	0.5640	0.5161		4.58	5.00	-8.5	30.0
Ethyl bromide	Ave	0.2347	0.2293		4.94	5.06	-2.3	30.0
Carbon disulfide	Ave	0.7273	0.6646	0.1000	4.57	5.00	-8.6	30.0
Methyl acetate	Ave	5.902	6.367	0.1000	5.39	5.00	7.9	30.0
Allyl chloride	Ave	0.4168	0.3807		4.57	5.00	-8.7	30.0
Methylene Chloride	Ave	0.2831	0.2674	0.1000	4.72	5.00	-5.5	30.0
t-Butyl alcohol	Ave	0.9514	0.8170		42.9	50.0	-14.1	30.0
Acrylonitrile	Ave	2.907	3.095		26.6	25.0	6.5	30.0
Methyl tert-butyl ether	Ave	0.7360	0.6681	0.1000	4.54	5.00	-9.2	30.0
trans-1,2-Dichloroethene	Ave	0.2985	0.2748	0.1000	4.60	5.00	-7.9	30.0
n-Hexane	Ave	0.3912	0.3498		4.47	5.00	-10.6	30.0
1,1-Dichloroethane	Ave	0.5113	0.4837	0.2000	4.73	5.00	-5.4	30.0
di-Isopropyl ether	Ave	0.8397	0.7764		4.62	5.00	-7.5	30.0
2-Chloro-1,3-butadiene	Ave	0.4276	0.4100		4.80	5.00	-4.1	30.0
Ethyl t-butyl ether	Ave	0.8020	0.7635		4.76	5.00	-4.8	30.0
2-Butanone (MEK)	Ave	4.608	4.254	0.1000	57.7	62.5	-7.7	30.0
cis-1,2-Dichloroethene	Ave	0.3321	0.3236	0.1000	4.87	5.00	-2.5	30.0
2,2-Dichloropropane	Ave	0.4608	0.4445		4.82	5.00	-3.5	30.0
Propionitrile	Ave	1.219	1.130		34.8	37.5	-7.3	30.0
Methacrylonitrile	Ave	4.809	4.437		34.6	37.5	-7.7	30.0
Bromochloromethane	Ave	0.1511	0.1441		4.77	5.00	-4.6	30.0
Tetrahydrofuran	Ave	1.516	1.392		22.9	25.0	-8.2	30.0
Chloroform	Ave	0.5282	0.4968	0.2000	4.70	5.00	-6.0	30.0
1,1,1-Trichloroethane	Ave	0.4933	0.4782	0.1000	4.85	5.00	-3.1	30.0
Cyclohexane	Ave	0.4674	0.4502	0.1000	4.82	5.00	-3.7	30.0
1,1-Dichloropropene	Ave	0.3927	0.3916		4.99	5.00	-0.3	30.0
Carbon tetrachloride	Ave	0.4394	0.4320	0.1000	4.92	5.00	-1.7	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-131835-1

SDG No.: _____

Lab Sample ID: ICV 410-388102/21 Calibration Date: 06/19/2023 21:07

Instrument ID: 19930 Calib Start Date: 06/19/2023 18:19

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 06/19/2023 20:25

Lab File ID: IU19X20.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	0.3380	0.2702		99.9	125	-20.1	30.0
Benzene	Ave	1.181	1.145	0.5000	4.85	5.00	-3.0	30.0
1,2-Dichloroethane	Ave	0.3201	0.3020	0.1000	4.72	5.00	-5.6	30.0
t-Amyl methyl ether	Ave	0.7413	0.7125		4.81	5.00	-3.9	30.0
n-Heptane	Ave	0.3757	0.3328		4.43	5.00	-11.4	30.0
n-Butanol	Ave	0.2596	0.2519		243	250	-3.0	30.0
Trichloroethene	Ave	0.3285	0.3080	0.2000	4.69	5.00	-6.2	30.0
Methylcyclohexane	Ave	0.5306	0.5118	0.1000	4.82	5.00	-3.6	30.0
1,2-Dichloropropane	Ave	0.2919	0.2770	0.1000	4.74	5.00	-5.1	30.0
Methyl methacrylate	Ave	9.478	8.727		4.60	5.00	-7.9	30.0
1,4-Dioxane	Ave	0.0551	0.0600	0.0050	136	125	8.7	30.0
Dibromomethane	Ave	0.1463	0.1403		4.79	5.00	-4.1	30.0
Bromodichloromethane	Ave	0.3795	0.3600	0.2000	4.74	5.00	-5.1	30.0
2-Nitropropane	Ave	3.099	2.514		4.06	5.00	-18.9	30.0
1-Bromo-2-chloroethane	Ave	0.2977	0.2836		4.76	5.00	-4.7	30.0
cis-1,3-Dichloropropene	Ave	0.4553	0.4287	0.2000	4.71	5.00	-5.9	30.0
4-Methyl-2-pentanone (MIBK)	Ave	12.37	11.72	0.1000	59.2	62.5	-5.2	30.0
Toluene	Ave	1.014	0.9874	0.4000	4.87	5.00	-2.6	30.0
trans-1,3-Dichloropropene	Ave	0.4787	0.4640	0.1000	4.85	5.00	-3.1	30.0
Ethyl methacrylate	Ave	0.3958	0.3797		4.80	5.00	-4.1	30.0
1,1,2-Trichloroethane	Ave	0.2862	0.2652	0.1000	4.63	5.00	-7.3	30.0
Tetrachloroethene	Ave	0.5290	0.5110	0.2000	4.83	5.00	-3.4	30.0
1,3-Dichloropropane	Ave	0.4529	0.4379		4.83	5.00	-3.3	30.0
2-Hexanone	Ave	8.750	8.281	0.1000	59.1	62.5	-5.4	30.0
Dibromochloromethane	Ave	0.3726	0.3572		4.79	5.00	-4.1	30.0
1,2-Dibromoethane (EDB)	Ave	0.2700	0.2601	0.1000	4.82	5.00	-3.7	30.0
1-Chlorohexane	Ave	0.5902	0.5297		4.49	5.00	-10.3	30.0
Chlorobenzene	Ave	1.186	1.119	0.5000	4.72	5.00	-5.7	30.0
1,1,1,2-Tetrachloroethane	Ave	0.4228	0.4160		4.92	5.00	-1.6	30.0
Ethylbenzene	Ave	1.976	1.898	0.1000	4.80	5.00	-4.0	30.0
m&p-Xylene	Ave	0.7994	0.7789	0.1000	9.74	10.0	-2.6	30.0
o-Xylene	Ave	0.7900	0.7609	0.3000	4.82	5.00	-3.7	30.0
Styrene	Ave	1.271	1.245	0.3000	4.90	5.00	-2.1	30.0
Bromoform	Ave	0.2417	0.2332	0.1000	4.82	5.00	-3.5	30.0
Isopropylbenzene	Ave	2.049	2.023	0.1000	4.94	5.00	-1.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5952	0.5637	0.3000	4.73	5.00	-5.3	30.0
Bromobenzene	Ave	0.8602	0.8298		4.82	5.00	-3.5	30.0
trans-1,4-Dichloro-2-butene	Ave	4.657	4.133		22.2	25.0	-11.3	30.0
1,2,3-Trichloropropane	Ave	0.1671	0.1616		4.84	5.00	-3.3	30.0
N-Propylbenzene	Ave	3.807	3.712		4.87	5.00	-2.5	30.0
2-Chlorotoluene	Ave	0.8316	0.8008		4.82	5.00	-3.7	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-131835-1

SDG No.: _____

Lab Sample ID: ICV 410-388102/21 Calibration Date: 06/19/2023 21:07

Instrument ID: 19930 Calib Start Date: 06/19/2023 18:19

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 06/19/2023 20:25

Lab File ID: IU19X20.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	2.902	2.762		4.76	5.00	-4.8	30.0
4-Chlorotoluene	Ave	0.8520	0.8209		4.82	5.00	-3.7	30.0
tert-Butylbenzene	Ave	0.6973	0.6719		4.82	5.00	-3.6	30.0
Pentachloroethane	Ave	0.5393	0.5204		4.82	5.00	-3.5	30.0
1,2,4-Trimethylbenzene	Ave	2.979	2.822		4.74	5.00	-5.3	30.0
sec-Butylbenzene	Ave	3.691	3.582		4.85	5.00	-2.9	30.0
1,3-Dichlorobenzene	Ave	1.681	1.571	0.6000	4.67	5.00	-6.6	30.0
p-Isopropyltoluene	Ave	3.291	3.189		4.85	5.00	-3.1	30.0
1,4-Dichlorobenzene	Ave	1.657	1.595	0.5000	4.81	5.00	-3.7	30.0
1,2,3-Trimethylbenzene	Ave	1.347	1.230		4.57	5.00	-8.7	30.0
Benzyl chloride	Ave	0.2558	0.2330		4.56	5.00	-8.9	30.0
n-Butylbenzene	Ave	1.473	1.434		4.87	5.00	-2.7	30.0
1,2-Dichlorobenzene	Ave	1.579	1.466	0.4000	4.64	5.00	-7.2	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0973	0.0942	0.0500	4.84	5.00	-3.2	30.0
1,3,5-Trichlorobenzene	Ave	1.261	1.170		4.64	5.00	-7.2	30.0
1,2,4-Trichlorobenzene	Ave	1.014	0.9728	0.2000	4.80	5.00	-4.1	30.0
Hexachlorobutadiene	Ave	0.4941	0.4866		4.92	5.00	-1.5	30.0
Naphthalene	Ave	1.846	1.721		4.66	5.00	-6.8	30.0
1,2,3-Trichlorobenzene	Ave	0.8491	0.8046		4.74	5.00	-5.2	30.0
Dibromofluoromethane (Surr)	Ave	0.2569	0.2580		10.0	10.0	0.5	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0509	0.0537		10.5	10.0	5.5	30.0
Toluene-d8 (Surr)	Ave	1.286	1.295		10.1	10.0	0.7	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4844	0.4894		10.1	10.0	1.0	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X20.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 19-Jun-2023 21:07:30 ALS Bottle#: 20 Worklist Smp#: 21
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0086929-021
 Misc. Info.: ICV LG
 Operator ID: KNK41612 Instrument ID: 19930
 Sublist:
 Method: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Jun-2023 12:31:25 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1687

First Level Reviewer: DVW2

Date: 21-Jun-2023 08:13:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.855	1.855	0.000	99	332540	5.00	4.35	
4 Chloromethane	50	2.044	2.050	-0.006	99	332810	5.00	4.28	
5 Vinyl chloride	62	2.148	2.160	-0.012	98	331776	5.00	4.46	
6 Butadiene	39	2.154	2.160	-0.006	90	285710	5.00	3.67	M
7 Bromomethane	94	2.459	2.465	-0.006	90	253865	5.00	4.38	
8 Chloroethane	64	2.532	2.538	-0.006	100	206791	5.00	4.65	
9 Dichlorofluoromethane	67	2.757	2.764	-0.007	97	500400	5.00	4.03	
10 Trichlorofluoromethane	101	2.824	2.824	0.000	96	433916	5.00	4.59	
11 Ethyl ether	59	3.044	3.050	-0.006	90	182439	5.01	4.67	
13 1,2-Dichloro-1,1,2-trifluoroethane	67	3.129	3.142	-0.013	90	306017	5.00	4.53	
14 Acrolein	56	3.202	3.209	-0.007	98	207154	37.5	33.2	
15 1,1-Dichloroethene	96	3.337	3.337	0.000	97	247568	5.00	4.83	
16 Acetone	43	3.361	3.361	0.000	99	364839	62.5	53.0	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.379	3.385	-0.006	90	261561	5.00	4.81	
18 Iodomethane	142	3.519	3.526	-0.007	98	492761	5.00	4.58	
19 Ethyl bromide	108	3.544	3.550	-0.006	98	221545	5.06	4.94	
20 Carbon disulfide	76	3.623	3.629	-0.006	99	634568	5.00	4.57	
23 Methyl acetate	43	3.757	3.757	0.000	23	91621	5.00	5.39	M
24 3-Chloro-1-propene	41	3.776	3.782	-0.006	91	363509	5.00	4.57	
25 Methylene Chloride	84	3.946	3.958	-0.012	91	255339	5.00	4.72	
* 26 t-Butyl alcohol-d10 (IS)	65	3.958	3.977	-0.019	98	143904	50.0	50.0	M
27 2-Methyl-2-propanol	59	4.080	4.093	-0.013	98	117574	50.0	42.9	
28 Acrylonitrile	53	4.275	4.282	-0.007	97	222687	25.0	26.6	
29 Methyl tert-butyl ether	73	4.336	4.342	-0.006	89	637850	5.00	4.54	
30 trans-1,2-Dichloroethene	96	4.349	4.355	-0.006	98	262384	5.00	4.60	
31 Hexane	57	4.769	4.781	-0.012	92	333993	5.00	4.47	
32 1,1-Dichloroethane	63	5.013	5.013	0.000	96	461799	5.00	4.73	
35 Isopropyl ether	45	5.074	5.074	0.000	93	741335	5.00	4.62	
36 2-Chloro-1,3-butadiene	53	5.123	5.123	0.000	90	391488	5.00	4.80	
37 Tert-butyl ethyl ether	59	5.611	5.623	-0.012	97	728931	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
38 2-Butanone (MEK)	43	5.806	5.812	-0.006	99	765203	62.5	57.7	
39 cis-1,2-Dichloroethene	96	5.848	5.854	-0.006	80	309006	5.00	4.87	
40 2,2-Dichloropropane	77	5.860	5.867	-0.007	89	424413	5.00	4.82	
43 Propionitrile	54	5.897	5.891	0.006	98	121929	37.5	34.8	
45 Methacrylonitrile	67	6.110	6.110	0.000	91	478875	37.5	34.6	
46 Chlorobromomethane	128	6.184	6.190	-0.006	88	137582	5.00	4.77	
47 Tetrahydrofuran	71	6.190	6.196	-0.006	74	100129	25.0	22.9	
48 Chloroform	83	6.342	6.342	0.000	93	474321	5.00	4.70	
\$ 49 Dibromofluoromethane (Surr)	113	6.555	6.555	0.000	95	492721	10.0	10.0	
50 1,1,1-Trichloroethane	97	6.562	6.568	-0.006	98	456568	5.00	4.85	
51 Cyclohexane	56	6.665	6.671	-0.006	89	429888	5.00	4.82	
54 Carbon tetrachloride	117	6.781	6.781	0.000	97	412457	5.00	4.92	
53 1,1-Dichloropropene	75	6.775	6.781	-0.006	95	373859	5.00	4.99	
55 Isobutyl alcohol	41	6.940	6.940	0.000	95	97204	125.0	99.9	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.007	7.013	-0.006	91	102560	10.0	10.5	
57 Benzene	78	7.037	7.043	-0.006	97	1093365	5.00	4.85	
58 1,2-Dichloroethane	62	7.110	7.116	-0.006	98	288380	5.00	4.72	
60 Tert-amyl methyl ether	73	7.238	7.244	-0.006	98	680277	5.00	4.81	
* 61 Fluorobenzene (IS)	96	7.446	7.452	-0.006	98	1909555	10.0	10.0	
62 n-Heptane	43	7.470	7.470	0.000	92	317781	5.00	4.43	
63 n-Butanol	56	7.848	7.836	0.012	87	181235	250.0	242.6	
64 Trichloroethene	95	7.933	7.933	0.000	96	294102	5.00	4.69	
65 Methylcyclohexane	83	8.244	8.244	0.000	91	488652	5.00	4.82	
66 1,2-Dichloropropane	63	8.262	8.269	-0.007	95	264486	5.00	4.74	
67 Methyl methacrylate	69	8.360	8.354	0.006	87	125585	5.00	4.60	
68 1,4-Dioxane	88	8.372	8.366	0.006	28	21568	125.0	135.9	M
69 Dibromomethane	93	8.372	8.378	-0.006	90	133984	5.00	4.79	
71 Dichlorobromomethane	83	8.616	8.616	0.000	99	343706	5.00	4.74	
72 2-Nitropropane	41	8.878	8.884	-0.006	99	36173	5.00	4.06	
75 1-Bromo-2-chloroethane	63	9.012	9.012	0.000	98	270736	5.00	4.76	
76 cis-1,3-Dichloropropene	75	9.177	9.177	0.000	97	409297	5.00	4.71	
77 4-Methyl-2-pentanone (MIBK)	43	9.360	9.360	0.000	96	2108105	62.5	59.2	
\$ 78 Toluene-d8 (Surr)	98	9.494	9.500	-0.006	93	1943756	10.0	10.1	
79 Toluene	92	9.573	9.579	-0.006	99	741055	5.00	4.87	
97 trans-1,3-Dichloropropene	75	9.848	9.848	0.000	92	348233	5.00	4.85	
99 Ethyl methacrylate	69	9.915	9.915	0.000	88	284946	5.00	4.80	
100 1,1,2-Trichloroethane	97	10.055	10.055	0.000	90	199046	5.00	4.63	
101 Tetrachloroethene	166	10.140	10.146	-0.006	98	383524	5.00	4.83	
102 1,3-Dichloropropane	76	10.219	10.219	0.000	89	328646	5.00	4.83	
103 2-Hexanone	43	10.274	10.274	0.000	95	1489528	62.5	59.1	
105 Chlorodibromomethane	129	10.439	10.439	0.000	89	268087	5.00	4.79	
106 Ethylene Dibromide	107	10.549	10.549	0.000	99	195236	5.00	4.82	
* 107 Chlorobenzene-d5 (IS)	117	10.988	10.988	0.000	84	1501017	10.0	10.0	
108 1-Chlorohexane	91	11.000	11.000	0.000	95	397532	5.00	4.49	a
109 Chlorobenzene	112	11.012	11.018	-0.006	97	839963	5.00	4.72	
111 1,1,1,2-Tetrachloroethane	131	11.103	11.097	0.006	97	312189	5.00	4.92	
112 Ethylbenzene	91	11.103	11.103	0.000	98	1424703	5.00	4.80	a
113 m-Xylene & p-Xylene	106	11.219	11.219	0.000	93	1169154	10.0	9.74	
114 o-Xylene	106	11.554	11.554	0.000	95	571089	5.00	4.82	
115 Styrene	104	11.567	11.567	0.000	95	934299	5.00	4.90	
116 Bromoform	173	11.725	11.725	0.000	99	175012	5.00	4.82	
117 Isopropylbenzene	105	11.859	11.859	0.000	95	1517986	5.00	4.94	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 120 4-Bromofluorobenzene (Surr)	95	12.000	12.000	0.000	96	734581	10.0	10.1	
121 1,1,2,2-Tetrachloroethane	83	12.103	12.103	0.000	94	257715	5.00	4.73	
122 Bromobenzene	156	12.115	12.115	0.000	94	379404	5.00	4.82	
123 trans-1,4-Dichloro-2-butene	53	12.128	12.128	0.000	92	297356	25.0	22.2	
124 1,2,3-Trichloropropane	110	12.146	12.146	0.000	81	73904	5.00	4.84	
125 N-Propylbenzene	91	12.189	12.189	-0.001	98	1697161	5.00	4.87	
126 2-Chlorotoluene	126	12.262	12.262	0.000	97	366155	5.00	4.82	a
127 1,3,5-Trimethylbenzene	105	12.323	12.323	0.000	94	1262779	5.00	4.76	
128 4-Chlorotoluene	126	12.353	12.353	0.000	97	375312	5.00	4.82	
129 tert-Butylbenzene	134	12.566	12.566	0.000	92	307218	5.00	4.82	
130 Pentachloroethane	167	12.597	12.597	0.000	92	237922	5.00	4.82	
131 1,2,4-Trimethylbenzene	105	12.609	12.609	0.000	96	1290272	5.00	4.74	
132 sec-Butylbenzene	105	12.731	12.731	0.000	93	1637677	5.00	4.85	
133 1,3-Dichlorobenzene	146	12.829	12.829	0.000	99	718228	5.00	4.67	
134 4-Isopropyltoluene	119	12.841	12.841	0.000	97	1458168	5.00	4.85	
* 135 1,4-Dichlorobenzene-d4	152	12.883	12.884	-0.001	93	914425	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.902	12.902	0.000	96	729452	5.00	4.81	
137 1,2,3-Trimethylbenzene	120	12.914	12.914	0.000	98	562323	5.00	4.57	
138 Benzyl chloride	126	12.981	12.981	0.000	98	106540	5.00	4.56	
139 n-Butylbenzene	92	13.127	13.133	-0.006	96	655530	5.00	4.87	
140 1,2-Dichlorobenzene	146	13.164	13.158	0.006	99	670246	5.00	4.64	
142 1,2-Dibromo-3-Chloropropane	155	13.707	13.700	0.006	91	43063	5.00	4.84	
143 1,3,5-Trichlorobenzene	180	13.828	13.828	0.000	98	534823	5.00	4.64	
144 1,2,4-Trichlorobenzene	180	14.249	14.249	0.000	94	444787	5.00	4.80	
145 Hexachlorobutadiene	225	14.334	14.334	0.000	95	222490	5.00	4.92	
146 Naphthalene	128	14.432	14.426	0.006	96	787088	5.00	4.66	
147 1,2,3-Trichlorobenzene	180	14.572	14.572	0.000	96	367878	5.00	4.74	
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_LCS_VOC#1_00115	Amount Added: 12.50	Units: uL	
MSV_LCS_ACROL_00118	Amount Added: 12.50	Units: uL	
LCS_ETBR_00006	Amount Added: 12.50	Units: uL	
MSV_LCS_EE_00007	Amount Added: 12.50	Units: uL	
MSV_QC_Gas826_00145	Amount Added: 12.50	Units: uL	
MSV_LCS_Penta_00029	Amount Added: 12.50	Units: uL	
MSV_LLcentISS_00007	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X20.D

Injection Date: 19-Jun-2023 21:07:30

Instrument ID: 19930

Operator ID: KNK41612

Lims ID: ICV

Worklist Smp#: 21

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

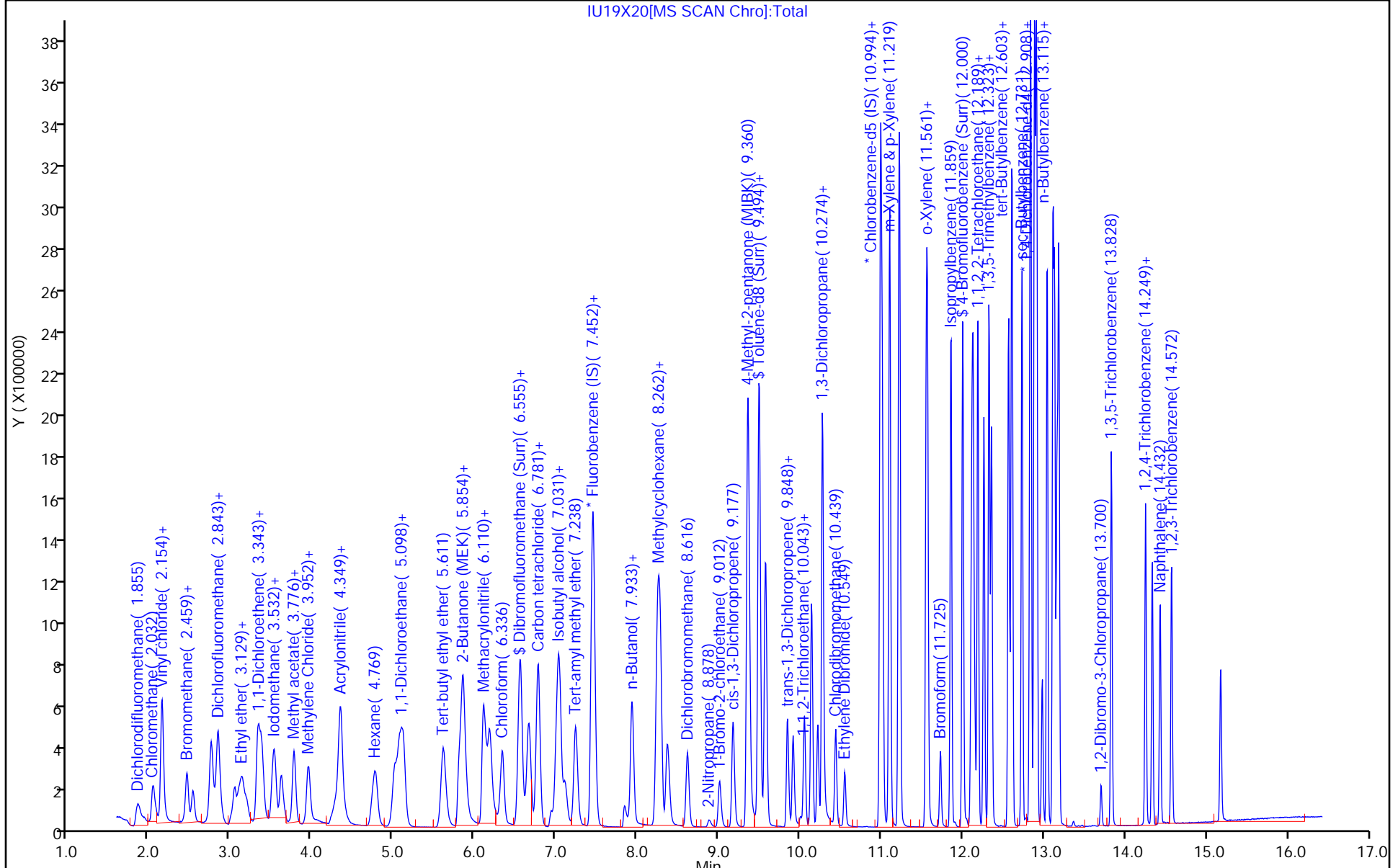
ALS Bottle#: 20

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



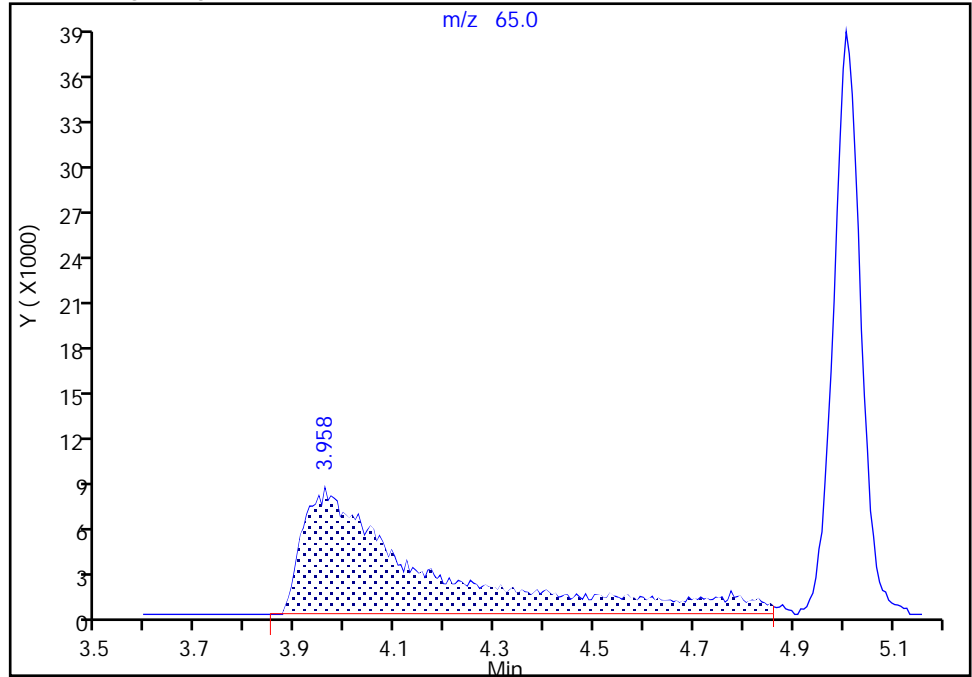
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X20.D
Injection Date: 19-Jun-2023 21:07:30 Instrument ID: 19930
Lims ID: ICV
Client ID:
Operator ID: KNK41612 ALS Bottle#: 20 Worklist Smp#: 21
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

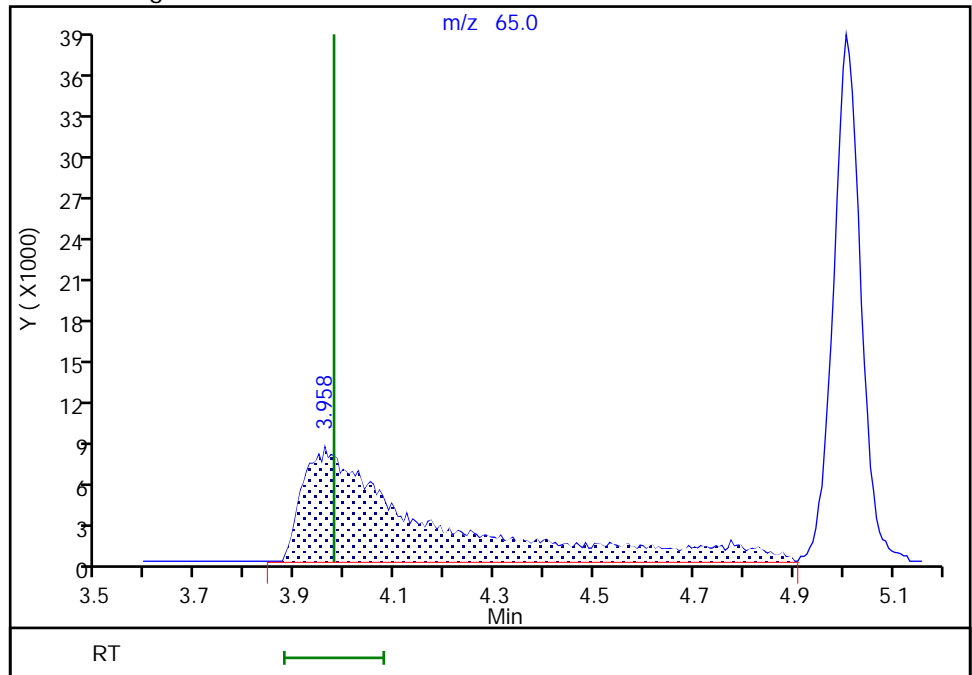
RT: 3.96
Area: 142993
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 3.96
Area: 143904
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:11:25 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

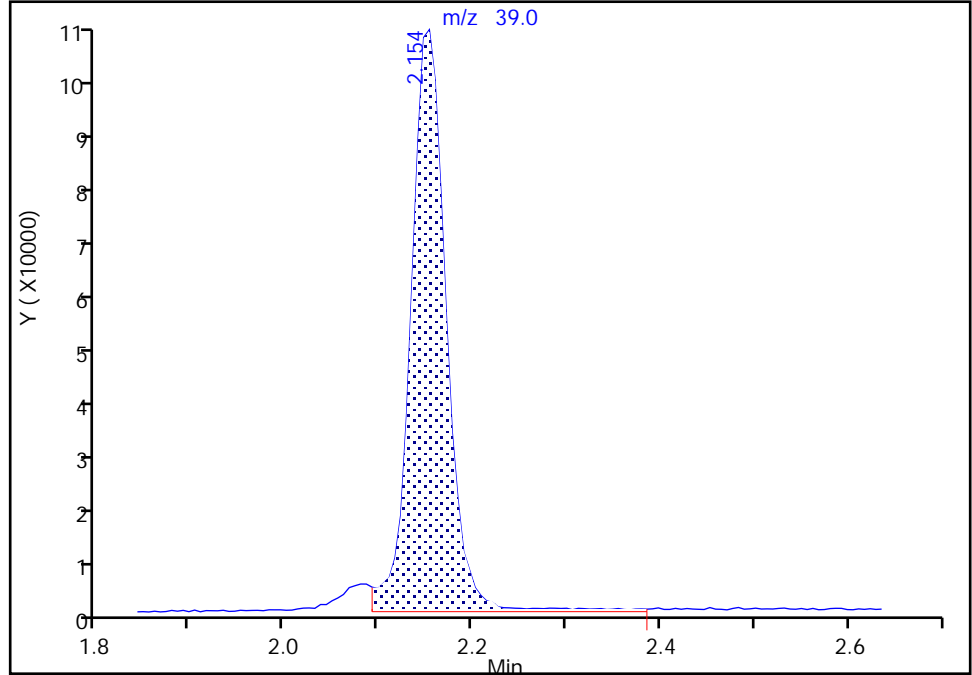
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Injection Date: 19-Jun-2023 21:07:30 Instrument ID: 19930
Lims ID: ICV
Client ID:
Operator ID: KNK41612 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

6 Butadiene, CAS: 106-99-0

Signal: 1

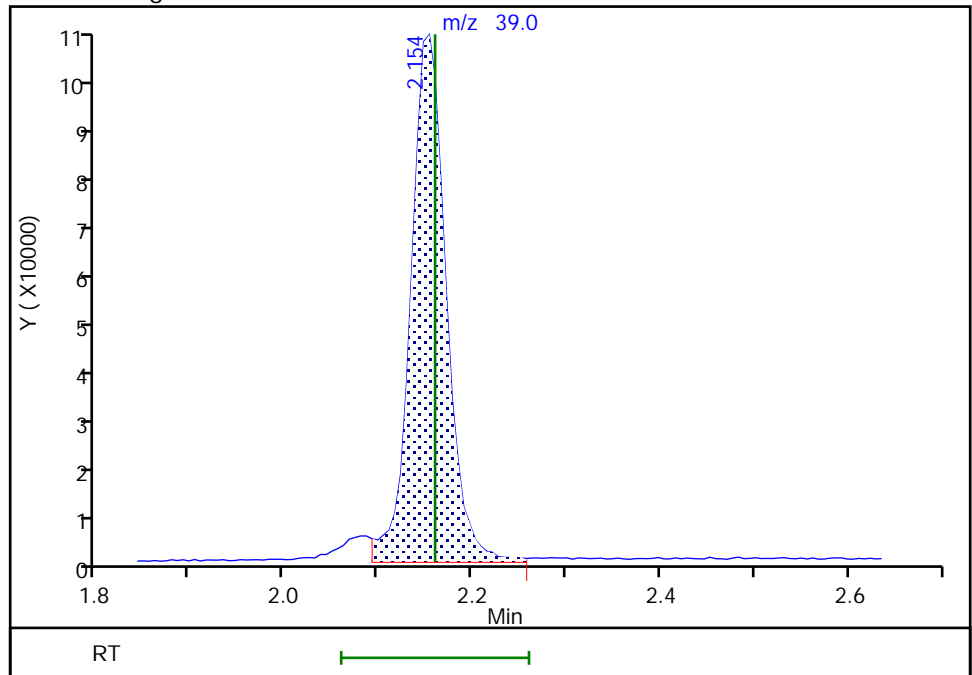
RT: 2.15
Area: 289543
Amount: 3.723161
Amount Units: ug/l

Processing Integration Results



RT: 2.15
Area: 285710
Amount: 3.673874
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:10:59 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

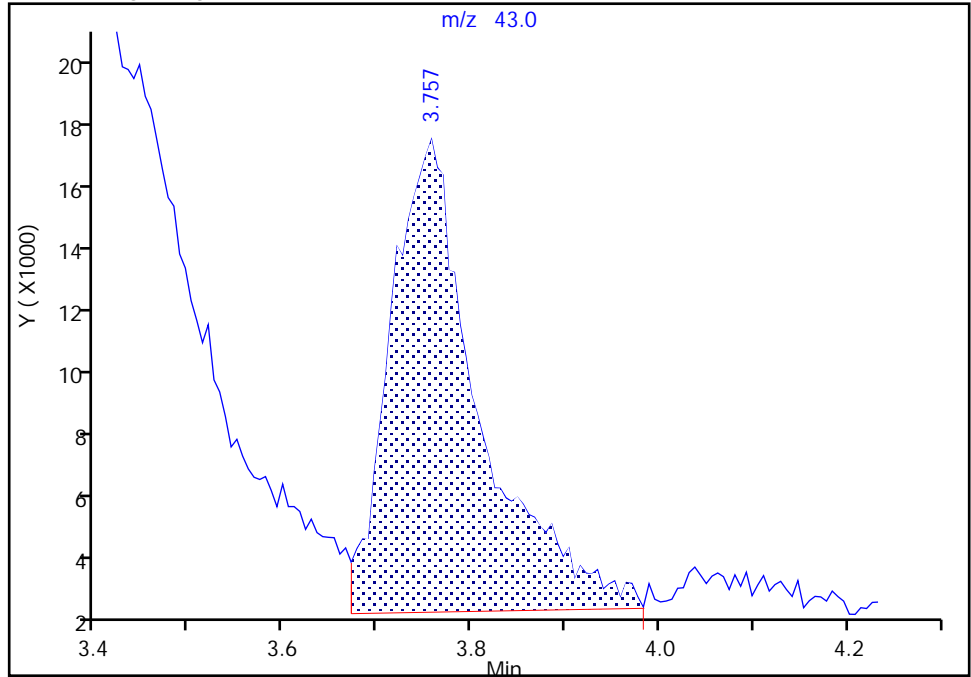
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Injection Date: 19-Jun-2023 21:07:30 Instrument ID: 19930
Lims ID: ICV
Client ID:
Operator ID: KNK41612 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

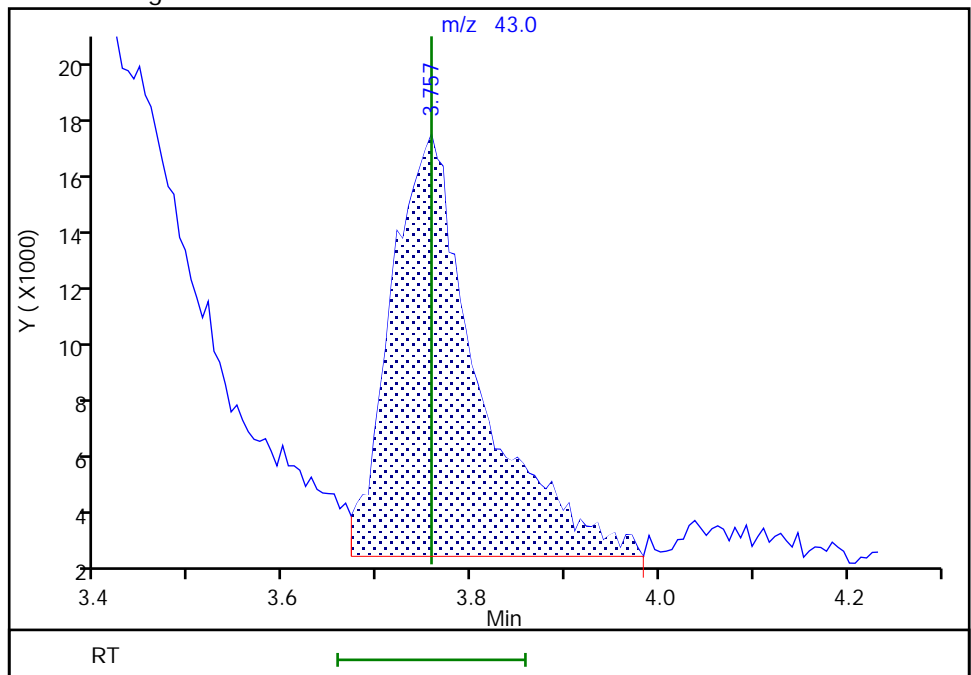
RT: 3.76
Area: 93028
Amount: 5.511550
Amount Units: ug/l

Processing Integration Results



RT: 3.76
Area: 91621
Amount: 5.393827
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:11:17 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

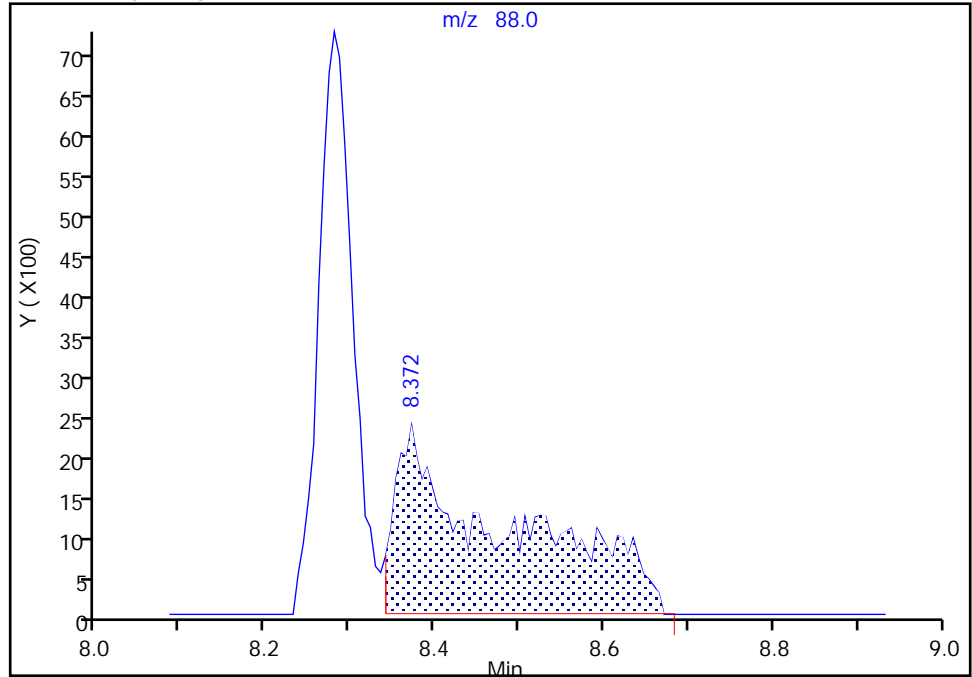
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Injection Date: 19-Jun-2023 21:07:30 Instrument ID: 19930
Lims ID: ICV
Client ID:
Operator ID: KNK41612 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

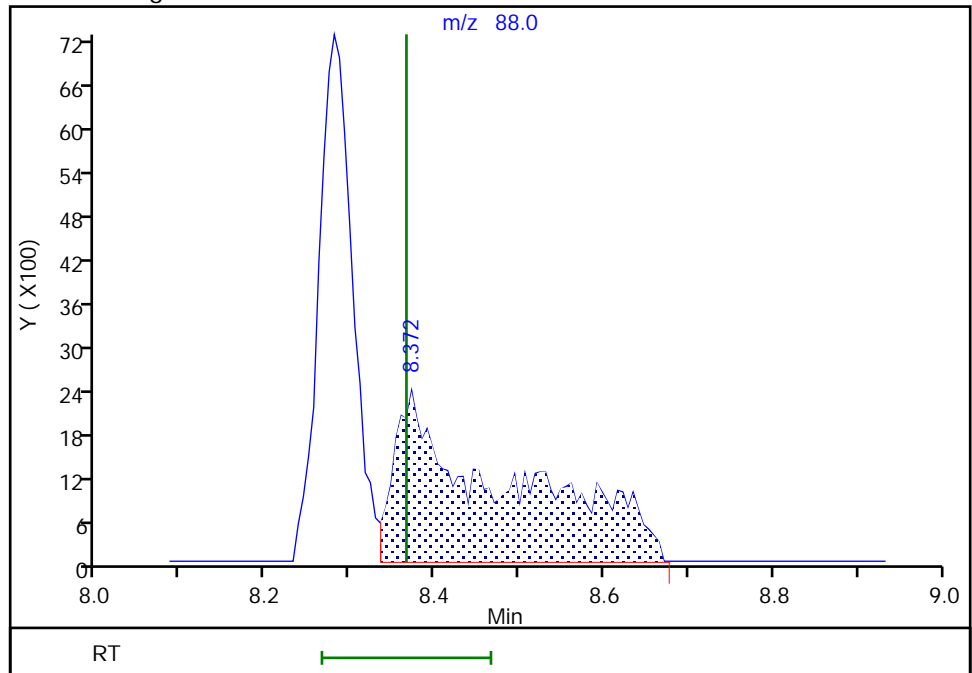
RT: 8.37
Area: 21375
Amount: 135.6946
Amount Units: ug/l

Processing Integration Results



RT: 8.37
Area: 21568
Amount: 135.9211
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 08:11:47 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

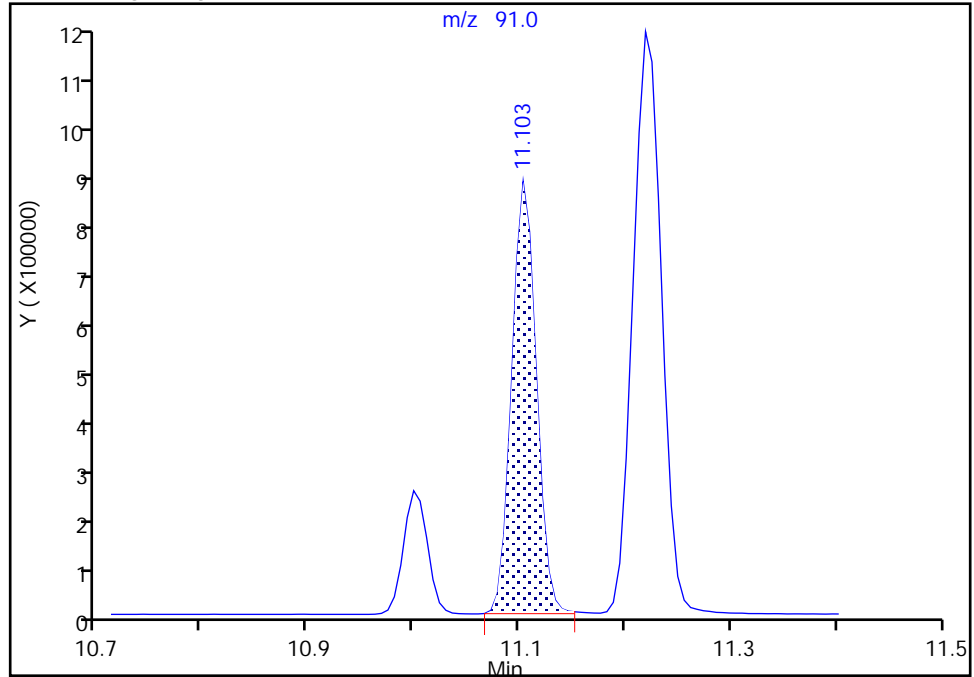
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Injection Date: 19-Jun-2023 21:07:30 Instrument ID: 19930
Lims ID: ICV
Client ID:
Operator ID: KNK41612 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

108 1-Chlorohexane, CAS: 544-10-5

Signal: 1

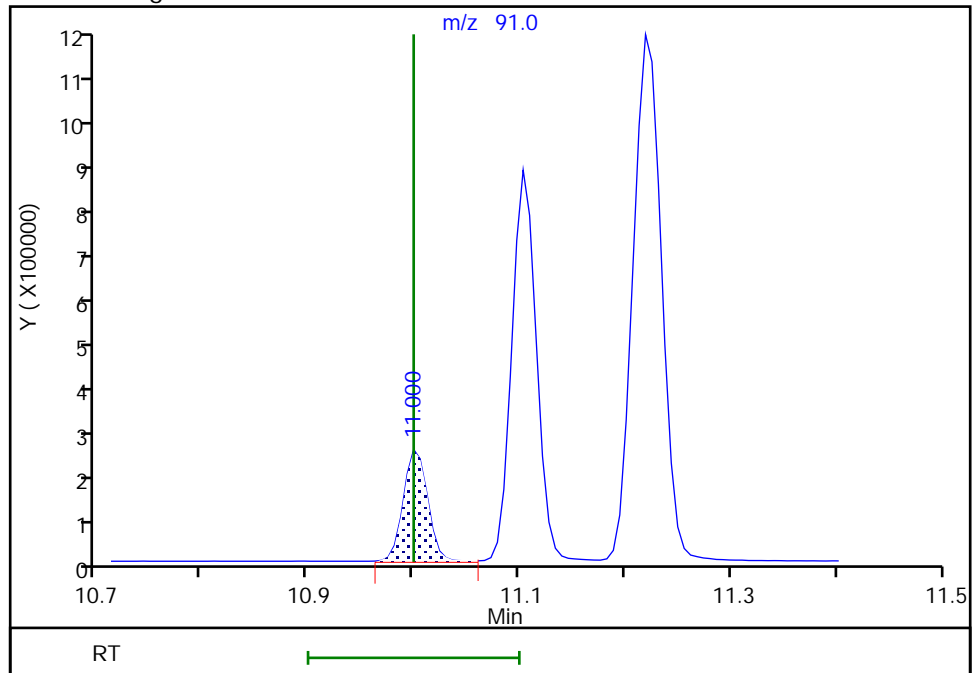
RT: 11.10
Area: 1422236
Amount: 16.054157
Amount Units: ug/l

Processing Integration Results



RT: 11.00
Area: 397532
Amount: 4.487329
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 22-Jun-2023 07:49:02 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

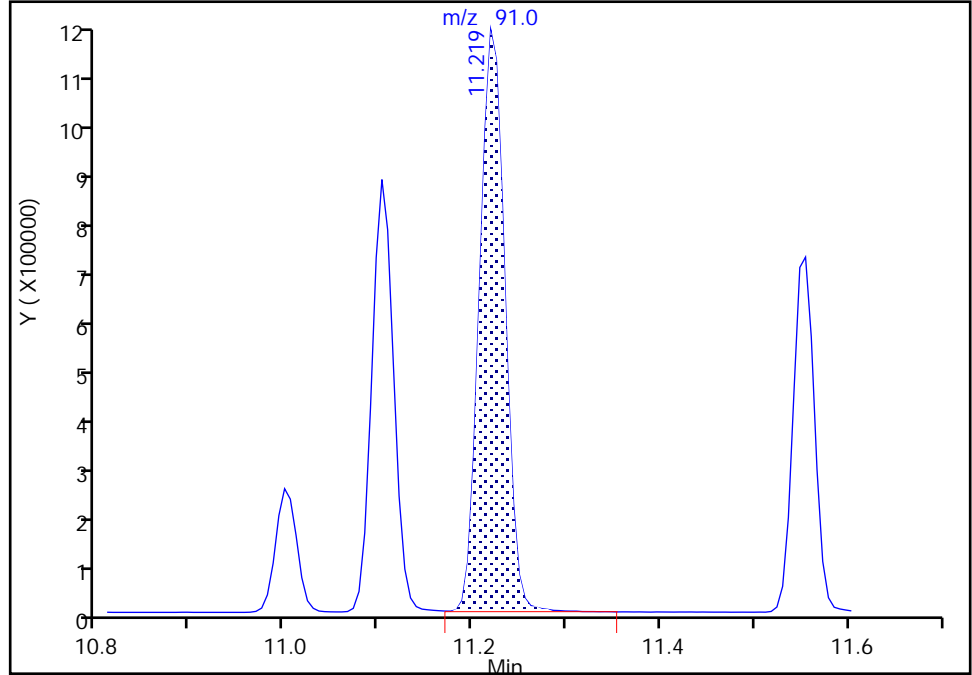
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Injection Date: 19-Jun-2023 21:07:30 Instrument ID: 19930
Lims ID: ICV
Client ID:
Operator ID: KNK41612 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

112 Ethylbenzene, CAS: 100-41-4

Signal: 1

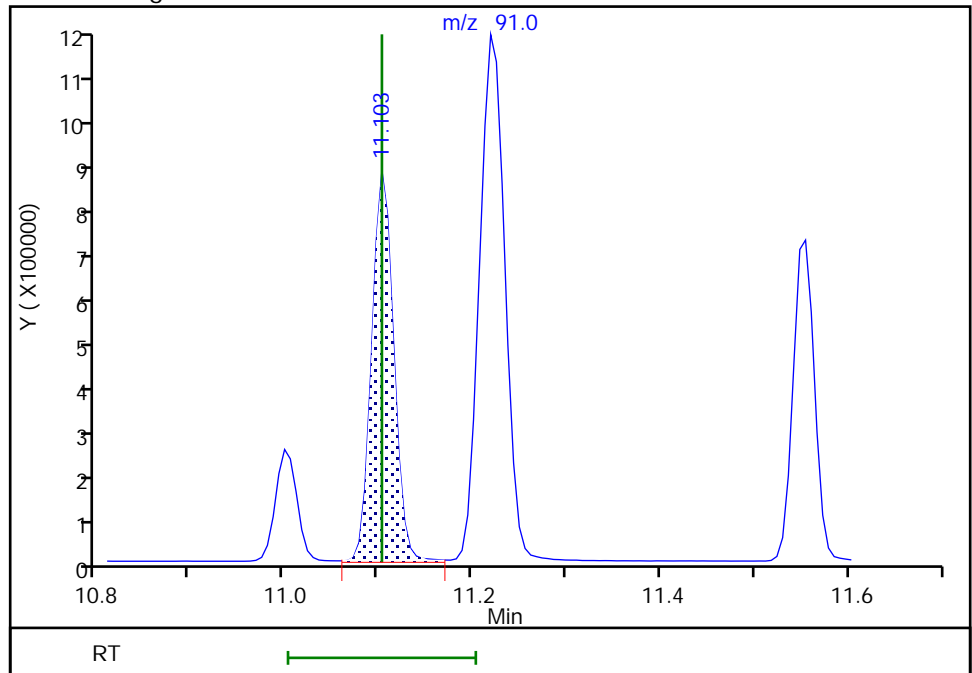
RT: 11.22
Area: 2233460
Amount: 7.528667
Amount Units: ug/l

Processing Integration Results



RT: 11.10
Area: 1424703
Amount: 4.802466
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 21-Jun-2023 15:40:53 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

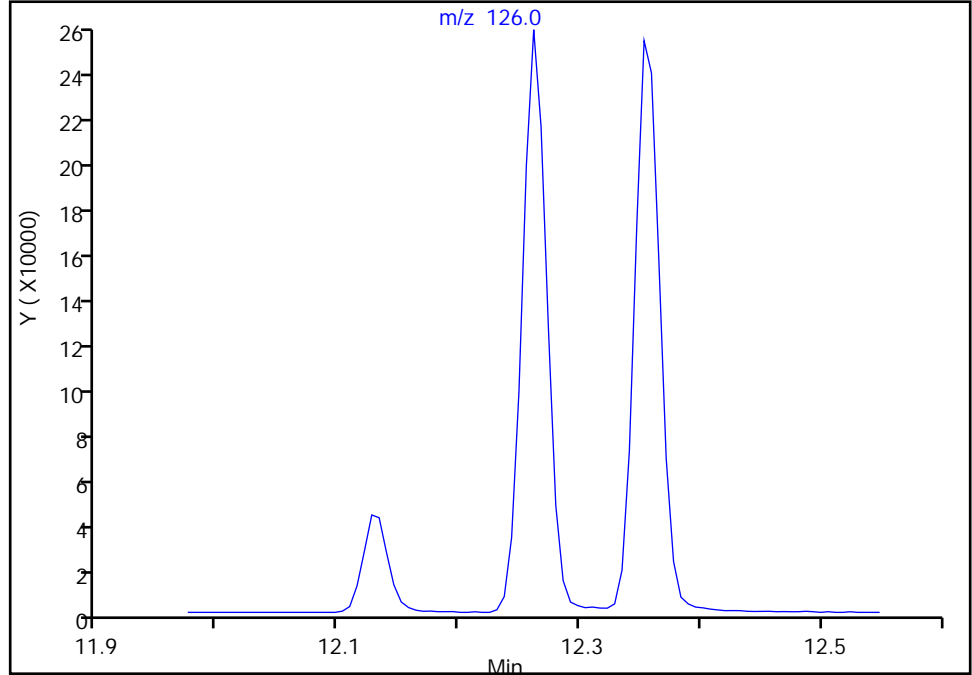
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Injection Date: 19-Jun-2023 21:07:30 Instrument ID: 19930
Lims ID: ICV
Client ID:
Operator ID: KNK41612 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

126 2-Chlorotoluene, CAS: 95-49-8

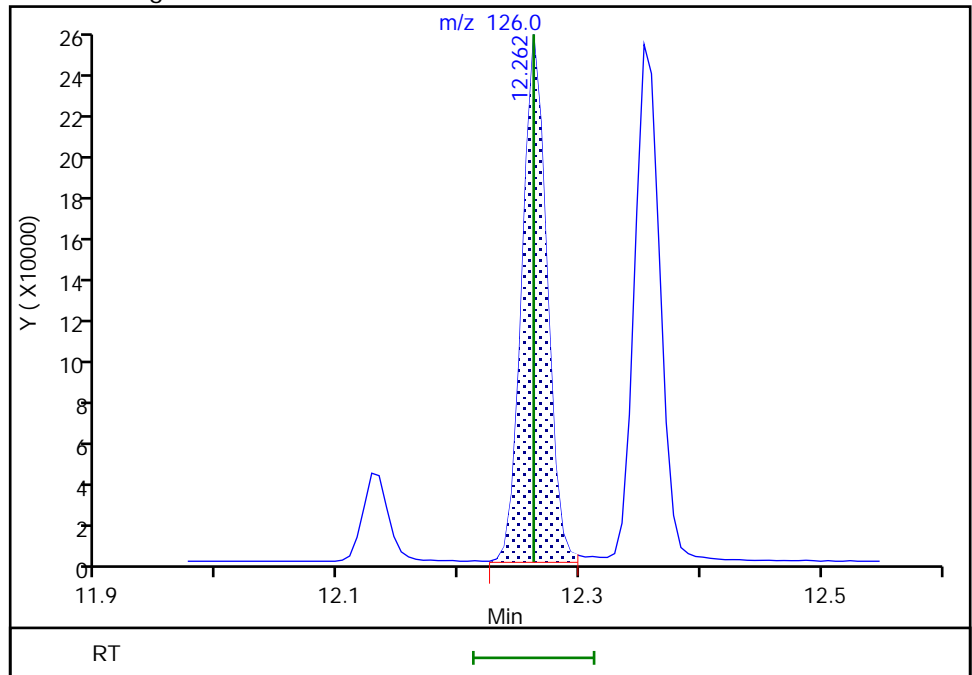
Signal: 1

Not Detected
Expected RT: 12.26

Processing Integration Results



Manual Integration Results



RT: 12.26
Area: 366155
Amount: 4.815269
Amount Units: ug/l

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-131835-1

SDG No.: _____

Lab Sample ID: CCVIS 410-392483/3 Calibration Date: 06/29/2023 22:18

Instrument ID: 19930 Calib Start Date: 06/19/2023 18:19

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 06/19/2023 20:25

Lab File ID: IU29X32.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	0.4004	0.3469	0.1000	10.8	12.5	-13.4	20.0
Chloromethane	Ave	0.4068	0.3886	0.1000	11.9	12.5	-4.5	20.0
1,3-Butadiene	Ave	0.4073	0.6030		18.5	12.5	48.1*	20.0
Vinyl chloride	Ave	0.3892	0.3672	0.1000	11.8	12.5	-5.7	20.0
Bromomethane	Ave	0.3038	0.2776	0.1000	11.4	12.5	-8.6	20.0
Chloroethane	Ave	0.2329	0.2192	0.1000	11.8	12.5	-5.8	20.0
Dichlorofluoromethane	Ave	0.6499	0.6078		11.7	12.5	-6.5	20.0
Trichlorofluoromethane	Ave	0.4955	0.4661	0.1000	11.8	12.5	-5.9	20.0
Ethyl ether	Ave	0.2046	0.2135		13.0	12.5	4.4	20.0
Freon 123a	Ave	0.3534	0.3496		12.4	12.5	-1.1	20.0
Acrolein	Ave	2.165	1.799		519	625	-16.9	20.0
1,1-Dichloroethene	Ave	0.2682	0.2522	0.1000	11.8	12.5	-5.9	20.0
Acetone	Ave	2.391	2.131	0.1000	111	125	-10.9	20.0
Freon 113	Ave	0.2847	0.2762	0.1000	12.1	12.5	-3.0	20.0
Methyl iodide	Ave	0.5640	0.5351		11.9	12.5	-5.1	20.0
Ethyl bromide	Ave	0.2347	0.2350		12.5	12.5	0.1	20.0
Carbon disulfide	Ave	0.7273	0.6362	0.1000	10.9	12.5	-12.5	20.0
Methyl acetate	Ave	5.902	5.747	0.1000	12.2	12.5	-2.6	20.0
Allyl chloride	Ave	0.4168	0.3889		11.7	12.5	-6.7	20.0
Methylene Chloride	Ave	0.2831	0.2820	0.1000	12.5	12.5	-0.4	20.0
t-Butyl alcohol	Ave	0.9514	0.8552		225	250	-10.1	20.0
Acrylonitrile	Ave	2.907	2.964		31.9	31.3	2.0	20.0
Methyl tert-butyl ether	Ave	0.7360	0.7517	0.1000	12.8	12.5	2.1	20.0
trans-1,2-Dichloroethene	Ave	0.2985	0.2871	0.1000	12.0	12.5	-3.8	20.0
n-Hexane	Ave	0.3912	0.3468		11.1	12.5	-11.3	20.0
1,1-Dichloroethane	Ave	0.5113	0.5215	0.2000	12.7	12.5	2.0	20.0
di-Isopropyl ether	Ave	0.8397	0.8569		12.8	12.5	2.0	20.0
2-Chloro-1,3-butadiene	Ave	0.4276	0.4086		11.9	12.5	-4.4	20.0
Ethyl t-butyl ether	Ave	0.8020	0.8369		13.0	12.5	4.4	20.0
2-Butanone (MEK)	Ave	4.608	4.070	0.1000	110	125	-11.7	20.0
cis-1,2-Dichloroethene	Ave	0.3321	0.3337	0.1000	12.6	12.5	0.5	20.0
2,2-Dichloropropane	Ave	0.4608	0.4548		12.3	12.5	-1.3	20.0
Propionitrile	Ave	1.219	1.206		247	250	-1.0	20.0
Methacrylonitrile	Ave	4.809	4.305		112	125	-10.5	20.0
Bromochloromethane	Ave	0.1511	0.1528		12.6	12.5	1.1	20.0
Tetrahydrofuran	Ave	1.516	1.304		53.7	62.5	-14.0	20.0
Chloroform	Ave	0.5282	0.5287	0.2000	12.5	12.5	0.1	20.0
1,1,1-Trichloroethane	Ave	0.4933	0.4831	0.1000	12.2	12.5	-2.1	20.0
Cyclohexane	Ave	0.4674	0.4387	0.1000	11.7	12.5	-6.1	20.0
1,1-Dichloropropene	Ave	0.3927	0.3887		12.4	12.5	-1.0	20.0
Carbon tetrachloride	Ave	0.4394	0.4359	0.1000	12.4	12.5	-0.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-131835-1

SDG No.: _____

Lab Sample ID: CCVIS 410-392483/3 Calibration Date: 06/29/2023 22:18

Instrument ID: 19930 Calib Start Date: 06/19/2023 18:19

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 06/19/2023 20:25

Lab File ID: IU29X32.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	0.3380	0.3032		561	625	-10.3	20.0
Benzene	Ave	1.181	1.197	0.5000	12.7	12.5	1.3	20.0
1,2-Dichloroethane	Ave	0.3201	0.3056	0.1000	11.9	12.5	-4.5	20.0
t-Amyl methyl ether	Ave	0.7413	0.8028		13.5	12.5	8.3	20.0
n-Heptane	Ave	0.3757	0.3435		11.4	12.5	-8.6	20.0
n-Butanol	Ave	0.2596	0.3268		1380	1090	25.9*	20.0
Trichloroethene	Ave	0.3285	0.3328	0.2000	12.7	12.5	1.3	20.0
Methylcyclohexane	Ave	0.5306	0.4996	0.1000	11.8	12.5	-5.9	20.0
1,2-Dichloropropane	Ave	0.2919	0.3088	0.1000	13.2	12.5	5.8	20.0
Methyl methacrylate	Ave	9.478	8.601		11.3	12.5	-9.3	20.0
1,4-Dioxane	Ave	0.0551	0.0769	0.0050	871	625	39.4*	20.0
Dibromomethane	Ave	0.1463	0.1510		12.9	12.5	3.2	20.0
Bromodichloromethane	Ave	0.3795	0.3879	0.2000	12.8	12.5	2.2	20.0
2-Nitropropane	Ave	3.099	2.385		48.1	62.5	-23.0*	20.0
1-Bromo-2-chloroethane	Ave	0.2977	0.3117		13.1	12.5	4.7	20.0
cis-1,3-Dichloropropene	Ave	0.4553	0.4696	0.2000	12.9	12.5	3.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	12.37	10.76	0.1000	109	125	-13.0	20.0
Toluene	Ave	1.014	1.014	0.4000	12.5	12.5	0.0	20.0
trans-1,3-Dichloropropene	Ave	0.4787	0.4854	0.1000	12.7	12.5	1.4	20.0
Ethyl methacrylate	Ave	0.3958	0.4073		12.9	12.5	2.9	20.0
1,1,2-Trichloroethane	Ave	0.2862	0.2899	0.1000	12.7	12.5	1.3	20.0
Tetrachloroethene	Ave	0.5290	0.5188	0.2000	12.3	12.5	-1.9	20.0
1,3-Dichloropropane	Ave	0.4529	0.4685		12.9	12.5	3.4	20.0
2-Hexanone	Ave	8.750	7.576	0.1000	108	125	-13.4	20.0
Dibromochloromethane	Ave	0.3726	0.3777		12.7	12.5	1.4	20.0
1,2-Dibromoethane (EDB)	Ave	0.2700	0.2776	0.1000	12.8	12.5	2.8	20.0
1-Chlorohexane	Ave	0.5902	0.5647		12.0	12.5	-4.3	20.0
Chlorobenzene	Ave	1.186	1.203	0.5000	12.7	12.5	1.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4228	0.4349		12.9	12.5	2.9	20.0
Ethylbenzene	Ave	1.976	1.993	0.1000	12.6	12.5	0.8	20.0
m&p-Xylene	Ave	0.7994	0.8068	0.1000	25.2	25.0	0.9	20.0
o-Xylene	Ave	0.7900	0.7929	0.3000	12.5	12.5	0.4	20.0
Styrene	Ave	1.271	1.315	0.3000	12.9	12.5	3.4	20.0
Bromoform	Ave	0.2417	0.2429	0.1000	12.6	12.5	0.5	20.0
Isopropylbenzene	Ave	2.049	2.078	0.1000	12.7	12.5	1.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5952	0.6026	0.3000	12.7	12.5	1.2	20.0
Bromobenzene	Ave	0.8602	0.8606		12.5	12.5	0.0	20.0
trans-1,4-Dichloro-2-butene	Ave	4.657	2.753		73.9	125	-40.9*	20.0
1,2,3-Trichloropropane	Ave	0.1671	0.1683		12.6	12.5	0.7	20.0
N-Propylbenzene	Ave	3.807	3.885		12.8	12.5	2.0	20.0
2-Chlorotoluene	Ave	0.8316	0.8337		12.5	12.5	0.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-131835-1

SDG No.: _____

Lab Sample ID: CCVIS 410-392483/3 Calibration Date: 06/29/2023 22:18

Instrument ID: 19930 Calib Start Date: 06/19/2023 18:19

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 06/19/2023 20:25

Lab File ID: IU29X32.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	2.902	2.882		12.4	12.5	-0.7	20.0
4-Chlorotoluene	Ave	0.8520	0.8468		12.4	12.5	-0.6	20.0
tert-Butylbenzene	Ave	0.6973	0.6959		12.5	12.5	-0.2	20.0
Pentachloroethane	Ave	0.5393	0.5600		13.0	12.5	3.8	20.0
1,2,4-Trimethylbenzene	Ave	2.979	2.953		12.4	12.5	-0.9	20.0
sec-Butylbenzene	Ave	3.691	3.657		12.4	12.5	-0.9	20.0
1,3-Dichlorobenzene	Ave	1.681	1.729	0.6000	12.9	12.5	2.8	20.0
p-Isopropyltoluene	Ave	3.291	3.303		12.5	12.5	0.4	20.0
1,4-Dichlorobenzene	Ave	1.657	1.646	0.5000	12.4	12.5	-0.7	20.0
1,2,3-Trimethylbenzene	Ave	1.347	1.328		12.3	12.5	-1.4	20.0
Benzyl chloride	Ave	0.2558	0.2833		13.8	12.5	10.8	20.0
n-Butylbenzene	Ave	1.473	1.526		12.9	12.5	3.6	20.0
1,2-Dichlorobenzene	Ave	1.579	1.589	0.4000	12.6	12.5	0.6	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0973	0.1024	0.0500	13.2	12.5	5.3	20.0
1,3,5-Trichlorobenzene	Ave	1.261	1.270		12.6	12.5	0.7	20.0
1,2,4-Trichlorobenzene	Ave	1.014	1.043	0.2000	12.8	12.5	2.8	20.0
Hexachlorobutadiene	Ave	0.4941	0.4931		12.5	12.5	-0.2	20.0
Naphthalene	Ave	1.846	1.895		12.8	12.5	2.6	20.0
1,2,3-Trichlorobenzene	Ave	0.8491	0.8434		12.4	12.5	-0.7	20.0
Dibromofluoromethane (Surr)	Ave	0.2569	0.2542		9.90	10.0	-1.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0509	0.0512		10.0	10.0	0.4	20.0
Toluene-d8 (Surr)	Ave	1.286	1.272		9.89	10.0	-1.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4844	0.4862		10.0	10.0	0.4	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X32.D
 Lims ID: CCVIS VSTD12.5
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 29-Jun-2023 22:18:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0087928-003
 Misc. Info.: CCVIS12.5
 Operator ID: gaw91131 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub2
 Method: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 30-Jun-2023 00:38:36 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: JS6E

Date: 29-Jun-2023 22:41:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.855	1.855	0.000	99	736250	12.5	10.8	
4 Chloromethane	50	2.038	2.038	0.000	98	824776	12.5	11.9	
5 Vinyl chloride	62	2.148	2.148	0.000	97	779215	12.5	11.8	
6 Butadiene	39	2.148	2.148	0.000	90	1279759	12.5	18.5	
7 Bromomethane	94	2.459	2.459	0.000	90	589220	12.5	11.4	
8 Chloroethane	64	2.532	2.532	0.000	99	465267	12.5	11.8	
9 Dichlorofluoromethane	67	2.757	2.757	0.000	97	1289822	12.5	11.7	
10 Trichlorofluoromethane	101	2.824	2.824	0.000	99	989086	12.5	11.8	
11 Ethyl ether	59	3.044	3.044	0.000	89	453098	12.5	13.0	
13 1,2-Dichloro-1,1,2-trifluoroethane	67	3.135	3.135	0.000	90	741949	12.5	12.4	
14 Acrolein	56	3.202	3.202	0.000	99	3424319	625.0	519.2	
15 1,1-Dichloroethene	96	3.330	3.330	0.000	97	535304	12.5	11.8	
16 Acetone	43	3.361	3.361	0.000	100	811306	125.0	111.4	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.379	3.379	0.000	89	586082	12.5	12.1	
18 Iodomethane	142	3.519	3.519	0.000	98	1135689	12.5	11.9	
19 Ethyl bromide	108	3.544	3.544	0.000	98	498262	12.5	12.5	
20 Carbon disulfide	76	3.623	3.623	0.000	99	1350168	12.5	10.9	
23 Methyl acetate	43	3.751	3.751	0.000	96	218828	12.5	12.2	M
24 3-Chloro-1-propene	41	3.775	3.775	0.000	92	825235	12.5	11.7	
25 Methylene Chloride	84	3.958	3.958	0.000	89	598493	12.5	12.5	
* 26 t-Butyl alcohol-d10 (IS)	65	3.971	3.971	0.000	96	152312	50.0	50.0	M
27 2-Methyl-2-propanol	59	4.092	4.092	0.000	100	651289	250.0	224.7	
28 Acrylonitrile	53	4.275	4.275	0.000	97	282170	31.3	31.9	
29 Methyl tert-butyl ether	73	4.342	4.342	0.000	94	1595255	12.5	12.8	
30 trans-1,2-Dichloroethene	96	4.355	4.355	0.000	99	609297	12.5	12.0	
31 Hexane	57	4.781	4.781	0.000	90	736050	12.5	11.1	
32 1,1-Dichloroethane	63	5.013	5.013	0.000	96	1106787	12.5	12.7	
35 Isopropyl ether	45	5.080	5.080	0.000	94	1818492	12.5	12.8	
36 2-Chloro-1,3-butadiene	53	5.123	5.123	0.000	90	867144	12.5	11.9	
37 Tert-butyl ethyl ether	59	5.617	5.617	0.000	97	1776165	12.5	13.0	

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	5.812	5.812	0.000	99	1549771	125.0	110.4	
39 cis-1,2-Dichloroethene	96	5.854	5.854	0.000	80	708083	12.5	12.6	
40 2,2-Dichloropropane	77	5.867	5.867	0.000	85	965109	12.5	12.3	
43 Propionitrile	54	5.897	5.897	0.000	99	918479	250.0	247.4	
45 Methacrylonitrile	67	6.116	6.116	0.000	90	1639161	125.0	111.9	
46 Chlorobromomethane	128	6.190	6.190	0.000	88	324215	12.5	12.6	
47 Tetrahydrofuran	71	6.196	6.196	0.000	77	248284	62.5	53.7	
48 Chloroform	83	6.342	6.342	0.000	92	1122076	12.5	12.5	
\$ 49 Dibromofluoromethane (Surr)	113	6.555	6.555	0.000	95	431557	10.0	9.90	
50 1,1,1-Trichloroethane	97	6.568	6.568	0.000	97	1025157	12.5	12.2	
51 Cyclohexane	56	6.671	6.671	0.000	88	931108	12.5	11.7	
53 1,1-Dichloropropene	75	6.781	6.781	0.000	96	824950	12.5	12.4	
54 Carbon tetrachloride	117	6.781	6.781	0.000	95	924978	12.5	12.4	
55 Isobutyl alcohol	41	6.939	6.939	0.000	96	577266	625.0	560.7	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.007	7.007	0.000	91	86846	10.0	10.0	
57 Benzene	78	7.043	7.043	0.000	96	2539549	12.5	12.7	
58 1,2-Dichloroethane	62	7.110	7.110	0.000	97	648561	12.5	11.9	
60 Tert-amyl methyl ether	73	7.244	7.244	0.000	99	1703716	12.5	13.5	
* 61 Fluorobenzene (IS)	96	7.452	7.452	0.000	99	1697771	10.0	10.0	
62 n-Heptane	43	7.470	7.470	0.000	90	728987	12.5	11.4	
63 n-Butanol	56	7.836	7.836	0.000	87	1088966	1093.8	1377.1	
64 Trichloroethene	95	7.933	7.933	0.000	96	706199	12.5	12.7	
65 Methylcyclohexane	83	8.244	8.244	0.000	91	1060162	12.5	11.8	
66 1,2-Dichloropropane	63	8.262	8.262	0.000	97	655430	12.5	13.2	
67 Methyl methacrylate	69	8.360	8.360	0.000	87	327518	12.5	11.3	
68 1,4-Dioxane	88	8.366	8.366	0.000	36	146342	625.0	871.3	
69 Dibromomethane	93	8.372	8.372	0.000	92	320428	12.5	12.9	
71 Dichlorobromomethane	83	8.610	8.610	0.000	99	823203	12.5	12.8	
72 2-Nitropropane	41	8.878	8.878	0.000	97	454141	62.5	48.1	
75 1-Bromo-2-chloroethane	63	9.006	9.006	0.000	98	661530	12.5	13.1	
76 cis-1,3-Dichloropropene	75	9.171	9.171	0.000	97	996540	12.5	12.9	
77 4-Methyl-2-pentanone (MIBK)	43	9.354	9.354	0.000	95	4098310	125.0	108.8	
\$ 78 Toluene-d8 (Surr)	98	9.494	9.494	0.000	92	1749070	10.0	9.89	
79 Toluene	92	9.573	9.573	0.000	98	1743027	12.5	12.5	
97 trans-1,3-Dichloropropene	75	9.841	9.841	0.000	91	834340	12.5	12.7	
99 Ethyl methacrylate	69	9.908	9.908	0.000	88	700167	12.5	12.9	
100 1,1,2-Trichloroethane	97	10.049	10.049	0.000	89	498316	12.5	12.7	
101 Tetrachloroethene	166	10.140	10.140	0.000	97	891729	12.5	12.3	
102 1,3-Dichloropropane	76	10.213	10.213	0.000	88	805296	12.5	12.9	
103 2-Hexanone	43	10.268	10.268	0.000	95	2884721	125.0	108.2	
105 Chlorodibromomethane	129	10.433	10.433	0.000	89	649289	12.5	12.7	
106 Ethylene Dibromide	107	10.542	10.542	0.000	99	477116	12.5	12.8	
* 107 Chlorobenzene-d5 (IS)	117	10.981	10.981	0.000	88	1375082	10.0	10.0	
108 1-Chlorohexane	91	10.994	10.994	0.000	95	970601	12.5	12.0	
109 Chlorobenzene	112	11.006	11.006	0.000	97	2068239	12.5	12.7	
111 1,1,1,2-Tetrachloroethane	131	11.091	11.091	0.000	96	747553	12.5	12.9	
112 Ethylbenzene	91	11.097	11.097	0.000	98	3424893	12.5	12.6	
113 m-Xylene & p-Xylene	106	11.213	11.213	0.000	92	2773592	25.0	25.2	
114 o-Xylene	106	11.542	11.542	0.000	96	1362800	12.5	12.5	
115 Styrene	104	11.561	11.561	0.000	95	2259885	12.5	12.9	
116 Bromoform	173	11.719	11.719	0.000	99	417547	12.5	12.6	
117 Isopropylbenzene	105	11.847	11.847	0.000	95	3571329	12.5	12.7	

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	11.993	11.993	0.000	96	668587	10.0	10.0	
121 1,1,2,2-Tetrachloroethane	83	12.097	12.097	0.000	94	642751	12.5	12.7	
122 Bromobenzene	156	12.109	12.109	0.000	96	917914	12.5	12.5	
123 trans-1,4-Dichloro-2-butene	53	12.121	12.121	0.000	91	1048253	125.0	73.9	
124 1,2,3-Trichloropropane	110	12.140	12.140	0.000	81	179477	12.5	12.6	
125 N-Propylbenzene	91	12.176	12.176	0.000	98	4143607	12.5	12.8	
126 2-Chlorotoluene	126	12.256	12.256	0.000	98	889266	12.5	12.5	
127 1,3,5-Trimethylbenzene	105	12.316	12.316	0.000	94	3073838	12.5	12.4	
128 4-Chlorotoluene	126	12.347	12.347	0.000	96	903171	12.5	12.4	
129 tert-Butylbenzene	134	12.554	12.554	0.000	92	742225	12.5	12.5	
130 Pentachloroethane	167	12.591	12.591	0.000	94	597257	12.5	13.0	
131 1,2,4-Trimethylbenzene	105	12.597	12.597	0.000	96	3150176	12.5	12.4	
132 sec-Butylbenzene	105	12.719	12.719	0.000	94	3900128	12.5	12.4	
133 1,3-Dichlorobenzene	146	12.816	12.816	0.000	98	1843982	12.5	12.9	
134 4-Isopropyltoluene	119	12.829	12.829	0.000	97	3523027	12.5	12.5	
* 135 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	93	853274	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.896	12.896	0.000	96	1755883	12.5	12.4	
137 1,2,3-Trimethylbenzene	120	12.902	12.902	0.000	98	1416531	12.5	12.3	
138 Benzyl chloride	126	12.969	12.969	0.000	98	302113	12.5	13.8	
139 n-Butylbenzene	92	13.121	13.121	0.000	97	1627987	12.5	12.9	
140 1,2-Dichlorobenzene	146	13.152	13.152	0.000	100	1694408	12.5	12.6	
142 1,2-Dibromo-3-Chloropropane	155	13.694	13.694	0.000	92	109222	12.5	13.2	
143 1,3,5-Trichlorobenzene	180	13.822	13.822	0.000	98	1354658	12.5	12.6	
144 1,2,4-Trichlorobenzene	180	14.243	14.243	0.000	94	1112045	12.5	12.8	
145 Hexachlorobutadiene	225	14.322	14.322	0.000	95	525916	12.5	12.5	
146 Naphthalene	128	14.420	14.420	0.000	96	2021041	12.5	12.8	
147 1,2,3-Trichlorobenzene	180	14.560	14.560	0.000	96	899597	12.5	12.4	
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_00081

Amount Added: 12.50

Units: uL

MSV_LL_#2_826_00093

Amount Added: 12.50

Units: uL

MSV_LL_GAS826_00157

Amount Added: 12.50

Units: uL

MSV_LLcentISS_00007

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X32.D

Injection Date: 29-Jun-2023 22:18:30

Instrument ID: 19930

Operator ID: gaw91131

Lims ID: CCVIS VSTD12.5

Worklist Smp#: 3

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

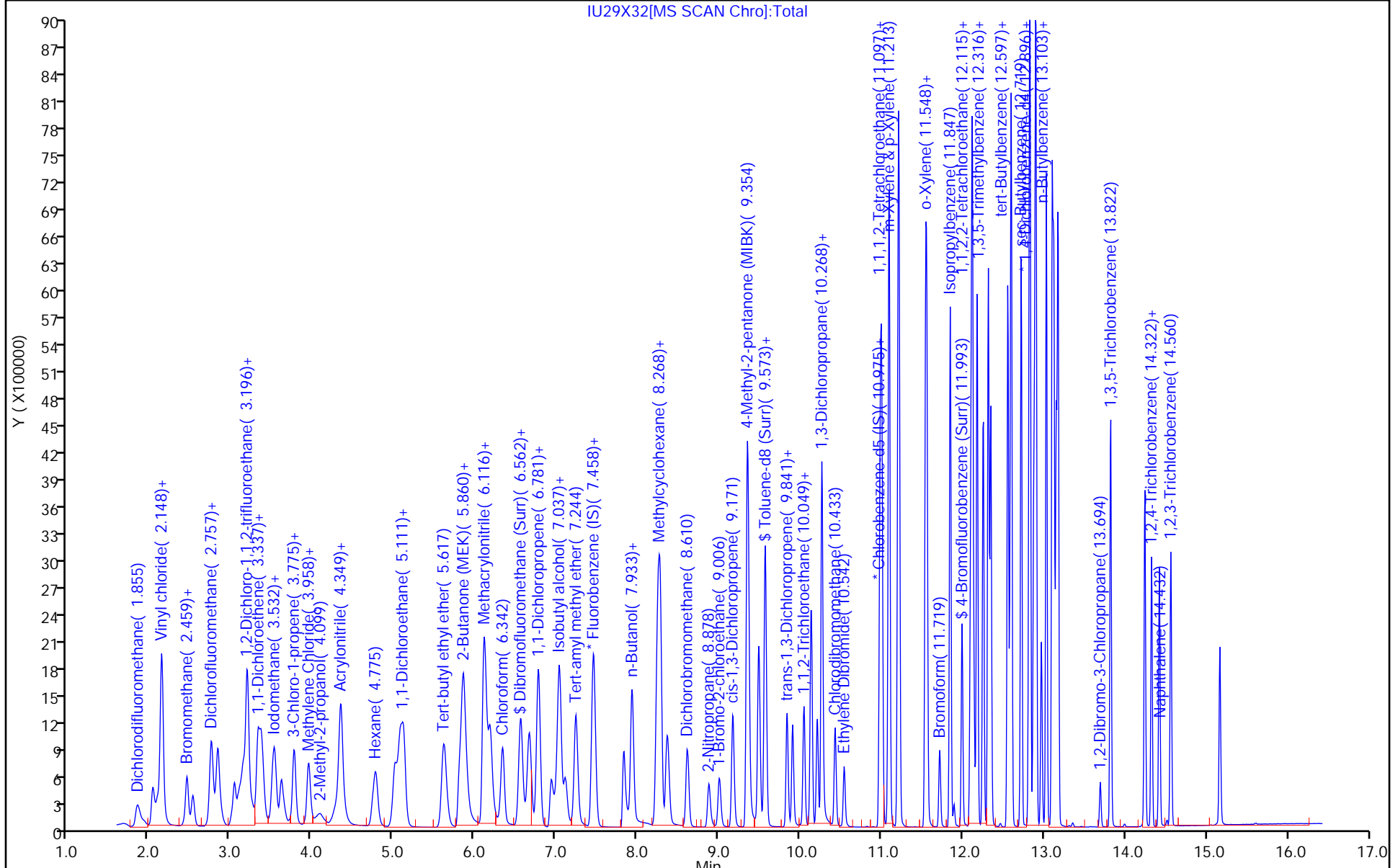
ALS Bottle#: 2

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

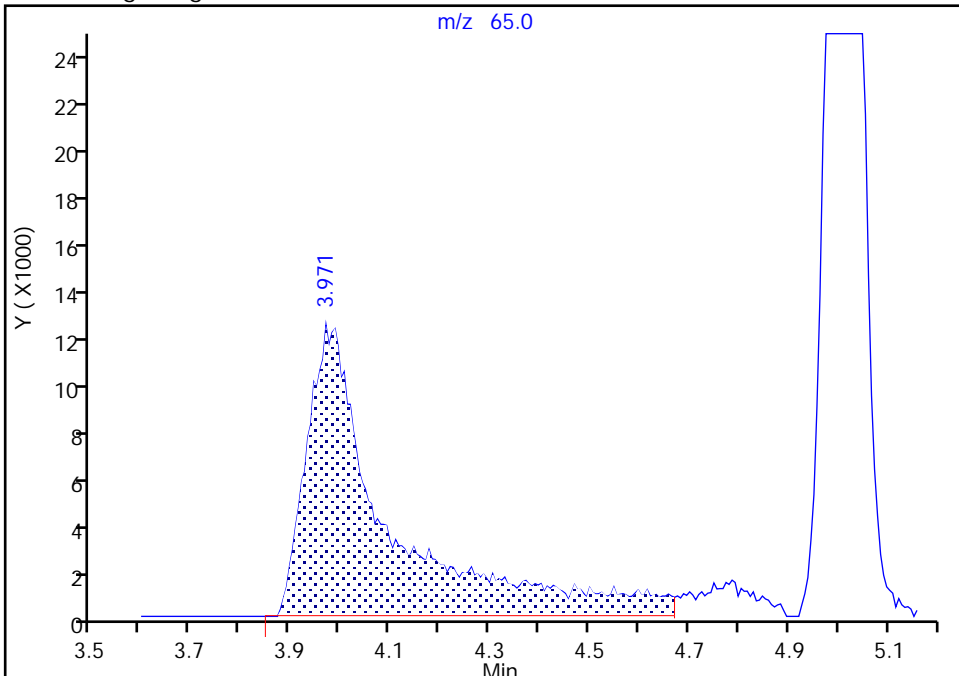
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Injection Date: 29-Jun-2023 22:18:30 Instrument ID: 19930
Lims ID: CCVIS VSTD12.5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

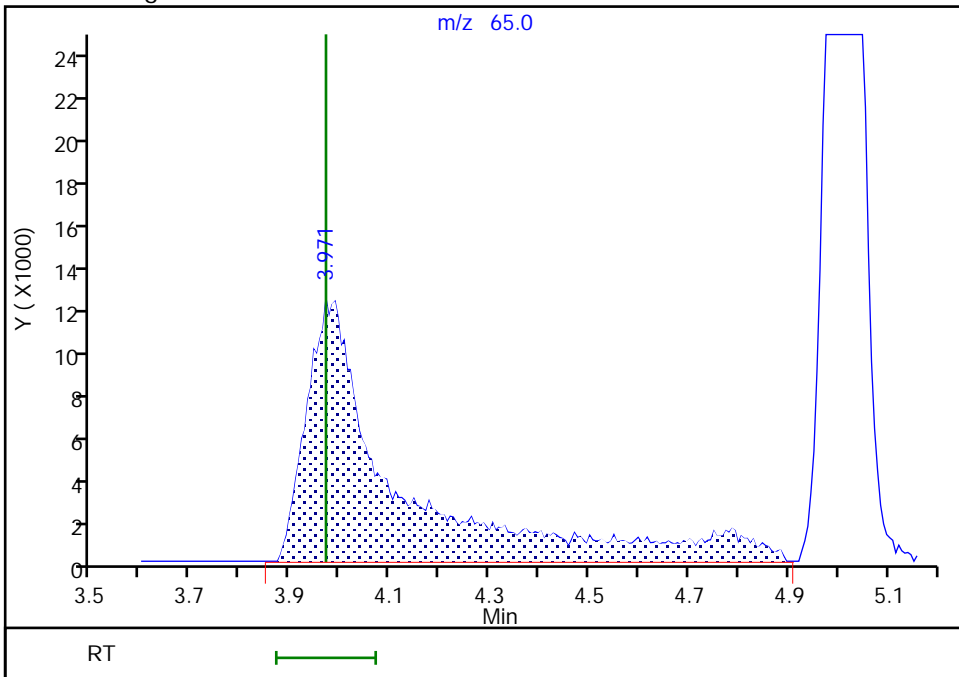
RT: 3.97
Area: 140247
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 3.97
Area: 152312
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 29-Jun-2023 22:42:17 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

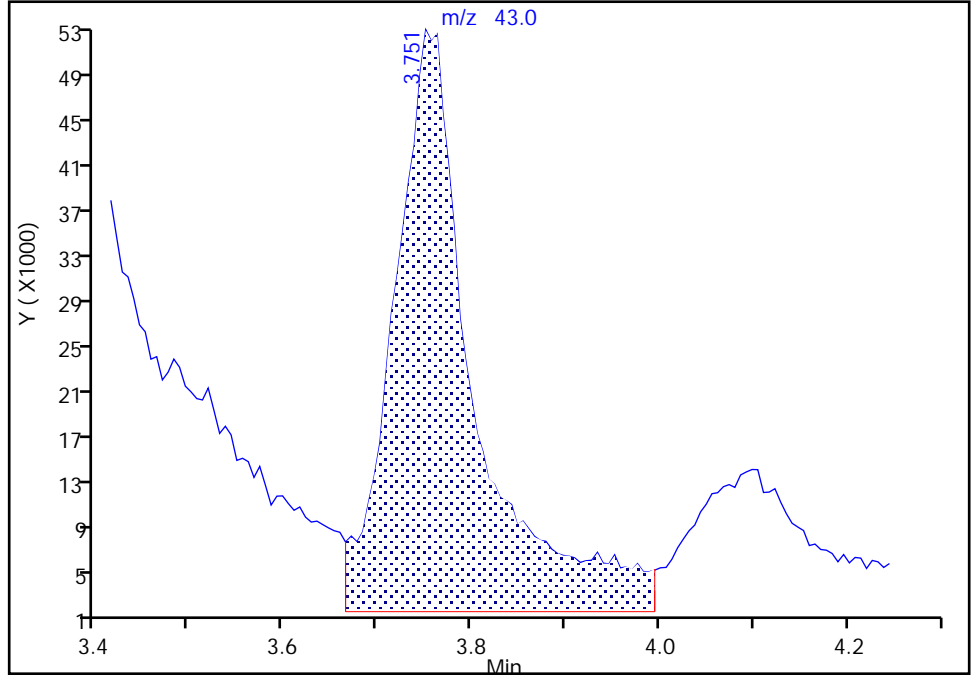
Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X32.D
Injection Date: 29-Jun-2023 22:18:30 Instrument ID: 19930
Lims ID: CCVIS VSTD12.5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

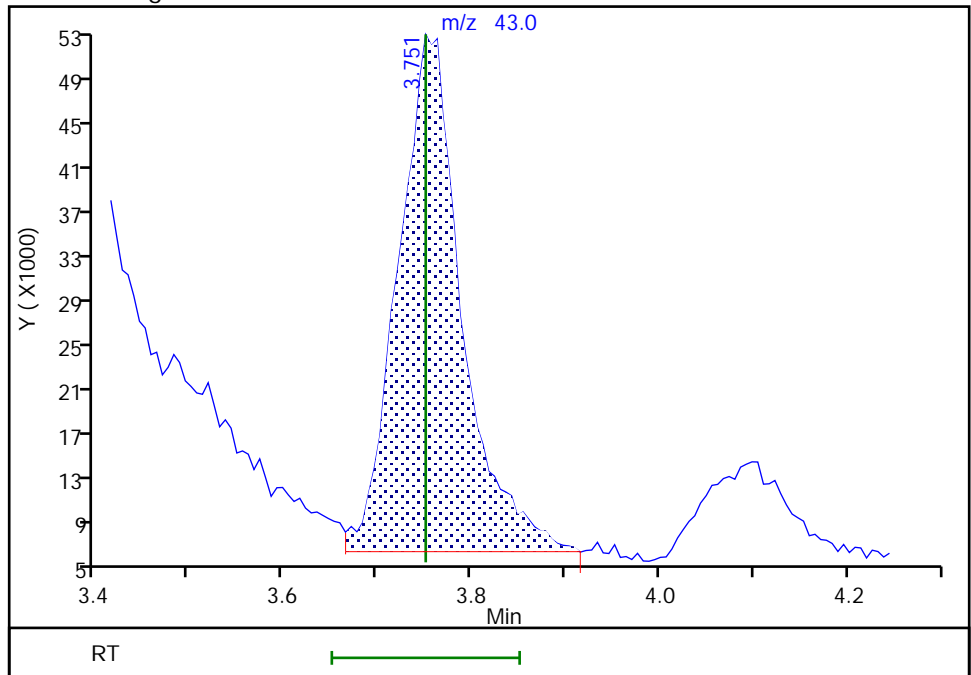
RT: 3.75
Area: 303347
Amount: 18.324028
Amount Units: ug/l

Processing Integration Results



RT: 3.75
Area: 218828
Amount: 12.171486
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 29-Jun-2023 22:42:00 -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.: 410-131835-1

SDG No.: _____

Lab Sample ID: CCVIS 410-393012/3 Calibration Date: 07/02/2023 12:04

Instrument ID: 19930 Calib Start Date: 06/19/2023 18:19

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 06/19/2023 20:25

Lab File ID: IL02X02.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	0.4004	0.3210	0.1000	8.02	10.0	-19.8	20.0
Chloromethane	Ave	0.4068	0.3442	0.1000	8.46	10.0	-15.4	20.0
1,3-Butadiene	Ave	0.4073	0.3286		8.07	10.0	-19.3	20.0
Vinyl chloride	Ave	0.3892	0.3395	0.1000	8.72	10.0	-12.8	20.0
Bromomethane	Ave	0.3038	0.2605	0.1000	8.57	10.0	-14.3	20.0
Chloroethane	Ave	0.2329	0.2072	0.1000	8.90	10.0	-11.0	20.0
Dichlorofluoromethane	Ave	0.6499	0.5747		8.84	10.0	-11.6	20.0
Trichlorofluoromethane	Ave	0.4955	0.4598	0.1000	9.28	10.0	-7.2	20.0
Ethyl ether	Ave	0.2046	0.2034		9.94	10.0	-0.6	20.0
Freon 123a	Ave	0.3534	0.3404		9.63	10.0	-3.7	20.0
Acrolein	Ave	2.165	1.916		443	500	-11.5	20.0
1,1-Dichloroethene	Ave	0.2682	0.2486	0.1000	9.27	10.0	-7.3	20.0
Acetone	Ave	2.391	2.243	0.1000	93.8	100	-6.2	20.0
Freon 113	Ave	0.2847	0.2840	0.1000	9.98	10.0	-0.2	20.0
Methyl iodide	Ave	0.5640	0.5200		9.22	10.0	-7.8	20.0
Ethyl bromide	Ave	0.2347	0.2271		9.67	9.99	-3.2	20.0
Carbon disulfide	Ave	0.7273	0.6463	0.1000	8.89	10.0	-11.1	20.0
Methyl acetate	Ave	5.902	6.436	0.1000	10.9	10.0	9.0	20.0
Allyl chloride	Ave	0.4168	0.3877		9.30	10.0	-7.0	20.0
Methylene Chloride	Ave	0.2831	0.2737	0.1000	9.67	10.0	-3.3	20.0
t-Butyl alcohol	Ave	0.9514	0.8302		175	200	-12.7	20.0
Acrylonitrile	Ave	2.907	3.397		29.2	25.0	16.9	20.0
Methyl tert-butyl ether	Ave	0.7360	0.7201	0.1000	9.78	10.0	-2.2	20.0
trans-1,2-Dichloroethene	Ave	0.2985	0.2798	0.1000	9.37	10.0	-6.3	20.0
n-Hexane	Ave	0.3912	0.3576		9.14	10.0	-8.6	20.0
1,1-Dichloroethane	Ave	0.5113	0.5063	0.2000	9.90	10.0	-1.0	20.0
di-Isopropyl ether	Ave	0.8397	0.8260		9.84	10.0	-1.6	20.0
2-Chloro-1,3-butadiene	Ave	0.4276	0.4008		9.37	10.0	-6.3	20.0
Ethyl t-butyl ether	Ave	0.8020	0.7811		9.74	10.0	-2.6	20.0
2-Butanone (MEK)	Ave	4.608	4.317	0.1000	93.7	100	-6.3	20.0
cis-1,2-Dichloroethene	Ave	0.3321	0.3241	0.1000	9.76	10.0	-2.4	20.0
2,2-Dichloropropane	Ave	0.4608	0.4400		9.55	10.0	-4.5	20.0
Propionitrile	Ave	1.219	1.272		209	200	4.4	20.0
Methacrylonitrile	Ave	4.809	4.542		94.4	100	-5.6	20.0
Bromochloromethane	Ave	0.1511	0.1477		9.78	10.0	-2.2	20.0
Tetrahydrofuran	Ave	1.516	1.336		44.0	50.0	-11.9	20.0
Chloroform	Ave	0.5282	0.5145	0.2000	9.74	10.0	-2.6	20.0
1,1,1-Trichloroethane	Ave	0.4933	0.4732	0.1000	9.59	10.0	-4.1	20.0
Cyclohexane	Ave	0.4674	0.4513	0.1000	9.65	10.0	-3.5	20.0
1,1-Dichloropropene	Ave	0.3927	0.3811		9.70	10.0	-3.0	20.0
Carbon tetrachloride	Ave	0.4394	0.4372	0.1000	9.95	10.0	-0.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-131835-1

SDG No.: _____

Lab Sample ID: CCVIS 410-393012/3 Calibration Date: 07/02/2023 12:04

Instrument ID: 19930 Calib Start Date: 06/19/2023 18:19

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 06/19/2023 20:25

Lab File ID: IL02X02.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	0.3380	0.3101		459	500	-8.2	20.0
Benzene	Ave	1.181	1.159	0.5000	9.82	10.0	-1.8	20.0
1,2-Dichloroethane	Ave	0.3201	0.2983	0.1000	9.32	10.0	-6.8	20.0
t-Amyl methyl ether	Ave	0.7413	0.7395		9.98	10.0	-0.2	20.0
n-Heptane	Ave	0.3757	0.3470		9.24	10.0	-7.6	20.0
n-Butanol	Ave	0.2596	0.3408		1150	875	31.3*	20.0
Trichloroethene	Ave	0.3285	0.3210	0.2000	9.77	10.0	-2.3	20.0
Methylcyclohexane	Ave	0.5306	0.5167	0.1000	9.74	10.0	-2.6	20.0
1,2-Dichloropropane	Ave	0.2919	0.2989	0.1000	10.2	10.0	2.4	20.0
Methyl methacrylate	Ave	9.478	9.135		9.64	10.0	-3.6	20.0
1,4-Dioxane	Ave	0.0551	0.0730	0.0050	662	500	32.4*	20.0
Dibromomethane	Ave	0.1463	0.1461		9.98	10.0	-0.2	20.0
Bromodichloromethane	Ave	0.3795	0.3827	0.2000	10.1	10.0	0.8	20.0
2-Nitropropane	Ave	3.099	2.546		41.1	50.0	-17.8	20.0
1-Bromo-2-chloroethane	Ave	0.2977	0.3025		10.2	10.0	1.6	20.0
cis-1,3-Dichloropropene	Ave	0.4553	0.4678	0.2000	10.3	10.0	2.7	20.0
4-Methyl-2-pentanone (MIBK)	Ave	12.37	11.44	0.1000	92.5	100	-7.5	20.0
Toluene	Ave	1.014	0.9601	0.4000	9.47	10.0	-5.3	20.0
trans-1,3-Dichloropropene	Ave	0.4787	0.4842	0.1000	10.1	10.0	1.2	20.0
Ethyl methacrylate	Ave	0.3958	0.3831		9.68	10.0	-3.2	20.0
1,1,2-Trichloroethane	Ave	0.2862	0.2756	0.1000	9.63	10.0	-3.7	20.0
Tetrachloroethene	Ave	0.5290	0.5014	0.2000	9.48	10.0	-5.2	20.0
1,3-Dichloropropane	Ave	0.4529	0.4452		9.83	10.0	-1.7	20.0
2-Hexanone	Ave	8.750	8.028	0.1000	91.7	100	-8.3	20.0
Dibromochloromethane	Ave	0.3726	0.3758		10.1	10.0	0.8	20.0
1,2-Dibromoethane (EDB)	Ave	0.2700	0.2642	0.1000	9.78	10.0	-2.2	20.0
1-Chlorohexane	Ave	0.5902	0.5455		9.24	10.0	-7.6	20.0
Chlorobenzene	Ave	1.186	1.139	0.5000	9.60	10.0	-4.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4228	0.4142		9.80	10.0	-2.0	20.0
Ethylbenzene	Ave	1.976	1.891	0.1000	9.57	10.0	-4.3	20.0
m&p-Xylene	Ave	0.7994	0.7660	0.1000	19.2	20.0	-4.2	20.0
o-Xylene	Ave	0.7900	0.7547	0.3000	9.55	10.0	-4.5	20.0
Styrene	Ave	1.271	1.246	0.3000	9.80	10.0	-2.0	20.0
Bromoform	Ave	0.2417	0.2527	0.1000	10.5	10.0	4.6	20.0
Isopropylbenzene	Ave	2.049	1.987	0.1000	9.70	10.0	-3.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5952	0.5853	0.3000	9.83	10.0	-1.7	20.0
Bromobenzene	Ave	0.8602	0.8214		9.55	10.0	-4.5	20.0
trans-1,4-Dichloro-2-butene	Ave	4.657	4.051		87.0	100	-13.0	20.0
1,2,3-Trichloropropane	Ave	0.1671	0.1639		9.81	10.0	-1.9	20.0
N-Propylbenzene	Ave	3.807	3.665		9.62	10.0	-3.8	20.0
2-Chlorotoluene	Ave	0.8316	0.7859		9.45	10.0	-5.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-131835-1

SDG No.: _____

Lab Sample ID: CCVIS 410-393012/3 Calibration Date: 07/02/2023 12:04

Instrument ID: 19930 Calib Start Date: 06/19/2023 18:19

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 06/19/2023 20:25

Lab File ID: IL02X02.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	2.902	2.759		9.51	10.0	-4.9	20.0
4-Chlorotoluene	Ave	0.8520	0.8113		9.52	10.0	-4.8	20.0
tert-Butylbenzene	Ave	0.6973	0.6652		9.54	10.0	-4.6	20.0
Pentachloroethane	Ave	0.5393	0.5407		10.0	10.0	0.3	20.0
1,2,4-Trimethylbenzene	Ave	2.979	2.823		9.47	10.0	-5.3	20.0
sec-Butylbenzene	Ave	3.691	3.532		9.57	10.0	-4.3	20.0
1,3-Dichlorobenzene	Ave	1.681	1.634	0.6000	9.72	10.0	-2.8	20.0
p-Isopropyltoluene	Ave	3.291	3.174		9.65	10.0	-3.5	20.0
1,4-Dichlorobenzene	Ave	1.657	1.564	0.5000	9.44	10.0	-5.6	20.0
1,2,3-Trimethylbenzene	Ave	1.347	1.271		9.44	10.0	-5.6	20.0
Benzyl chloride	Ave	0.2558	0.2698		10.5	10.0	5.5	20.0
n-Butylbenzene	Ave	1.473	1.478		10.0	10.0	0.3	20.0
1,2-Dichlorobenzene	Ave	1.579	1.507	0.4000	9.54	10.0	-4.6	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0973	0.1012	0.0500	10.4	10.0	4.0	20.0
1,3,5-Trichlorobenzene	Ave	1.261	1.227		9.73	10.0	-2.7	20.0
1,2,4-Trichlorobenzene	Ave	1.014	1.012	0.2000	9.97	10.0	-0.3	20.0
Hexachlorobutadiene	Ave	0.4941	0.4791		9.70	10.0	-3.0	20.0
Naphthalene	Ave	1.846	1.832		9.93	10.0	-0.7	20.0
1,2,3-Trichlorobenzene	Ave	0.8491	0.8145		9.59	10.0	-4.1	20.0
Dibromofluoromethane (Surr)	Ave	0.2569	0.2547		9.92	10.0	-0.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0509	0.0505		9.92	10.0	-0.8	20.0
Toluene-d8 (Surr)	Ave	1.286	1.249		9.72	10.0	-2.8	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4844	0.4810		9.93	10.0	-0.7	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X02.D
 Lims ID: CCVIS VSTD10
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 02-Jul-2023 12:04:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088040-003
 Misc. Info.: CCVIS10
 Operator ID: knk41612 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub2

Method: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 02-Jul-2023 13:43:43 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: DVW2

Date: 02-Jul-2023 12:35:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.861	1.861	0.000	99	558688	10.0	8.02	
4 Chloromethane	50	2.050	2.050	0.000	99	599145	10.0	8.46	
5 Vinyl chloride	62	2.160	2.160	0.000	97	590951	10.0	8.72	
6 Butadiene	39	2.160	2.160	0.000	90	572028	10.0	8.07	
7 Bromomethane	94	2.471	2.471	0.000	90	453429	10.0	8.57	
8 Chloroethane	64	2.544	2.544	0.000	99	360708	10.0	8.90	
9 Dichlorofluoromethane	67	2.776	2.776	0.000	97	1000427	10.0	8.84	
10 Trichlorofluoromethane	101	2.830	2.830	0.000	96	800295	10.0	9.28	
11 Ethyl ether	59	3.050	3.050	0.000	90	354026	10.0	9.94	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.147	3.147	0.000	91	592450	10.0	9.63	
14 Acrolein	56	3.208	3.208	0.000	99	2741951	500.0	442.6	
15 1,1-Dichloroethene	96	3.349	3.349	0.000	97	432768	10.0	9.27	
16 Acetone	43	3.367	3.367	0.000	100	641869	100.0	93.8	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.397	3.397	0.000	90	494257	10.0	9.98	
18 Iodomethane	142	3.531	3.531	0.000	98	905161	10.0	9.22	
19 Ethyl bromide	108	3.556	3.556	0.000	98	394940	10.0	9.67	
20 Carbon disulfide	76	3.635	3.635	0.000	99	1124974	10.0	8.89	
23 Methyl acetate	43	3.775	3.775	0.000	97	184148	10.0	10.9	M
24 3-Chloro-1-propene	41	3.794	3.794	0.000	93	674855	10.0	9.30	
25 Methylene Chloride	84	3.970	3.970	0.000	89	476376	10.0	9.67	
* 26 t-Butyl alcohol-d10 (IS)	65	3.983	3.983	0.000	96	143071	50.0	50.0	M
27 2-Methyl-2-propanol	59	4.098	4.098	0.000	100	475135	200.0	174.5	
28 Acrylonitrile	53	4.287	4.287	0.000	99	243023	25.0	29.2	
29 Methyl tert-butyl ether	73	4.361	4.361	0.000	93	1253461	10.0	9.78	
30 trans-1,2-Dichloroethene	96	4.367	4.367	0.000	98	486942	10.0	9.37	
31 Hexane	57	4.787	4.787	0.000	91	622411	10.0	9.14	
32 1,1-Dichloroethane	63	5.025	5.025	0.000	96	881272	10.0	9.90	
35 Isopropyl ether	45	5.086	5.086	0.000	94	1437811	10.0	9.84	
36 2-Chloro-1,3-butadiene	53	5.135	5.135	0.000	89	697639	10.0	9.37	
37 Tert-butyl ethyl ether	59	5.629	5.629	0.000	97	1359686	10.0	9.74	

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	5.824	5.824	0.000	99	1235274	100.0	93.7	
39 cis-1,2-Dichloroethene	96	5.866	5.866	0.000	80	564135	10.0	9.76	
40 2,2-Dichloropropane	77	5.879	5.879	0.000	86	765832	10.0	9.55	
43 Propionitrile	54	5.903	5.903	0.000	99	727922	200.0	208.7	
45 Methacrylonitrile	67	6.122	6.122	0.000	92	1299721	100.0	94.4	
46 Chlorobromomethane	128	6.196	6.196	0.000	87	257106	10.0	9.78	
47 Tetrahydrofuran	71	6.208	6.208	0.000	82	191123	50.0	44.0	
48 Chloroform	83	6.348	6.348	0.000	92	895509	10.0	9.74	
\$ 49 Dibromofluoromethane (Surr)	113	6.567	6.567	0.000	95	443335	10.0	9.92	
50 1,1,1-Trichloroethane	97	6.574	6.574	0.000	97	823598	10.0	9.59	
51 Cyclohexane	56	6.677	6.677	0.000	88	785488	10.0	9.65	
53 1,1-Dichloropropene	75	6.787	6.787	0.000	96	663359	10.0	9.70	
54 Carbon tetrachloride	117	6.787	6.787	0.000	96	760985	10.0	9.95	
55 Isobutyl alcohol	41	6.952	6.952	0.000	95	443691	500.0	458.8	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.013	7.013	0.000	98	87930	10.0	9.92	
57 Benzene	78	7.049	7.049	0.000	96	2018238	10.0	9.82	
58 1,2-Dichloroethane	62	7.122	7.122	0.000	97	519259	10.0	9.32	
60 Tert-amyl methyl ether	73	7.244	7.244	0.000	99	1287148	10.0	9.98	
* 61 Fluorobenzene (IS)	96	7.458	7.458	0.000	98	1740631	10.0	10.0	
62 n-Heptane	43	7.476	7.476	0.000	93	604009	10.0	9.24	
63 n-Butanol	56	7.836	7.836	0.000	86	853189	875.0	1148.6	
64 Trichloroethene	95	7.939	7.939	0.000	96	558753	10.0	9.77	
65 Methylcyclohexane	83	8.250	8.250	0.000	91	899468	10.0	9.74	
66 1,2-Dichloropropane	63	8.268	8.268	0.000	97	520214	10.0	10.2	
67 Methyl methacrylate	69	8.360	8.360	0.000	88	261384	10.0	9.64	
68 1,4-Dioxane	88	8.366	8.366	0.000	34	104429	500.0	661.9	M
69 Dibromomethane	93	8.384	8.384	0.000	91	254274	10.0	9.98	
71 Dichlorobromomethane	83	8.616	8.616	0.000	99	666087	10.0	10.1	
72 2-Nitropropane	41	8.884	8.884	0.000	97	364330	50.0	41.1	
75 1-Bromo-2-chloroethane	63	9.012	9.012	0.000	98	526599	10.0	10.2	
76 cis-1,3-Dichloropropene	75	9.177	9.177	0.000	97	814214	10.0	10.3	
77 4-Methyl-2-pentanone (MIBK)	43	9.354	9.354	0.000	95	3273246	100.0	92.5	
\$ 78 Toluene-d8 (Surr)	98	9.494	9.494	0.000	93	1788299	10.0	9.72	
79 Toluene	92	9.573	9.573	0.000	99	1374495	10.0	9.47	
97 trans-1,3-Dichloropropene	75	9.841	9.841	0.000	91	693186	10.0	10.1	
99 Ethyl methacrylate	69	9.908	9.908	0.000	88	548385	10.0	9.68	
100 1,1,2-Trichloroethane	97	10.049	10.049	0.000	90	394597	10.0	9.63	
101 Tetrachloroethene	166	10.140	10.140	0.000	97	717828	10.0	9.48	
102 1,3-Dichloropropane	76	10.213	10.213	0.000	88	637256	10.0	9.83	
103 2-Hexanone	43	10.268	10.268	0.000	95	2297063	100.0	91.7	
105 Chlorodibromomethane	129	10.433	10.433	0.000	90	537916	10.0	10.1	
106 Ethylene Dibromide	107	10.542	10.542	0.000	99	378235	10.0	9.78	
* 107 Chlorobenzene-d5 (IS)	117	10.981	10.981	0.000	83	1431553	10.0	10.0	
108 1-Chlorohexane	91	10.993	10.993	0.000	94	780845	10.0	9.24	
109 Chlorobenzene	112	11.006	11.006	0.000	97	1629948	10.0	9.60	
111 1,1,1,2-Tetrachloroethane	131	11.091	11.091	0.000	97	592945	10.0	9.80	
112 Ethylbenzene	91	11.097	11.097	0.000	98	2706818	10.0	9.57	
113 m-Xylene & p-Xylene	106	11.213	11.213	0.000	93	2193027	20.0	19.2	
114 o-Xylene	106	11.542	11.542	0.000	96	1080380	10.0	9.55	
115 Styrene	104	11.560	11.560	0.000	95	1783961	10.0	9.80	
116 Bromoform	173	11.719	11.719	0.000	98	361753	10.0	10.5	
117 Isopropylbenzene	105	11.847	11.847	0.000	95	2845038	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
\$ 120 4-Bromofluorobenzene (Surr)	95	11.993	11.993	0.000	97	688640	10.0	9.93	
121 1,1,2,2-Tetrachloroethane	83	12.097	12.097	0.000	93	518177	10.0	9.83	
122 Bromobenzene	156	12.109	12.109	0.000	94	727167	10.0	9.55	
123 trans-1,4-Dichloro-2-butene	53	12.121	12.121	0.000	90	1159304	100.0	87.0	
124 1,2,3-Trichloropropane	110	12.140	12.140	0.000	80	145138	10.0	9.81	
125 N-Propylbenzene	91	12.176	12.176	0.000	98	3244240	10.0	9.62	
126 2-Chlorotoluene	126	12.255	12.255	0.000	98	695779	10.0	9.45	
127 1,3,5-Trimethylbenzene	105	12.316	12.316	0.000	94	2442800	10.0	9.51	
128 4-Chlorotoluene	126	12.347	12.347	0.000	96	718255	10.0	9.52	
129 tert-Butylbenzene	134	12.554	12.554	0.000	93	588904	10.0	9.54	
130 Pentachloroethane	167	12.591	12.591	0.000	94	478681	10.0	10.0	
131 1,2,4-Trimethylbenzene	105	12.597	12.597	0.000	96	2499079	10.0	9.47	
132 sec-Butylbenzene	105	12.719	12.719	0.000	94	3127254	10.0	9.57	
133 1,3-Dichlorobenzene	146	12.816	12.816	0.000	99	1446936	10.0	9.72	
134 4-Isopropyltoluene	119	12.828	12.828	0.000	97	2810221	10.0	9.65	
* 135 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	92	885298	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.896	12.896	0.000	95	1384326	10.0	9.44	
137 1,2,3-Trimethylbenzene	120	12.902	12.902	0.000	98	1124939	10.0	9.44	
138 Benzyl chloride	126	12.969	12.969	0.000	98	238817	10.0	10.5	
139 n-Butylbenzene	92	13.121	13.121	0.000	97	1308193	10.0	10.0	
140 1,2-Dichlorobenzene	146	13.152	13.152	0.000	100	1334078	10.0	9.54	
142 1,2-Dibromo-3-Chloropropane	155	13.694	13.694	0.000	92	89552	10.0	10.4	
143 1,3,5-Trichlorobenzene	180	13.822	13.822	0.000	98	1086526	10.0	9.73	
144 1,2,4-Trichlorobenzene	180	14.243	14.243	0.000	94	895698	10.0	9.97	
145 Hexachlorobutadiene	225	14.322	14.322	0.000	95	424155	10.0	9.70	
146 Naphthalene	128	14.420	14.420	0.000	96	1622270	10.0	9.93	
147 1,2,3-Trichlorobenzene	180	14.560	14.560	0.000	96	721078	10.0	9.59	
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_00081

Amount Added: 20.00

Units: uL

MSV_LL_#2_826_00093

Amount Added: 20.00

Units: uL

MSV_LL_GAS826_00157

Amount Added: 20.00

Units: uL

MSV_LLcentISS_00007

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\ILO2X02.D

Injection Date: 02-Jul-2023 12:04:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: CCVIS VSTD10

Worklist Smp#: 3

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

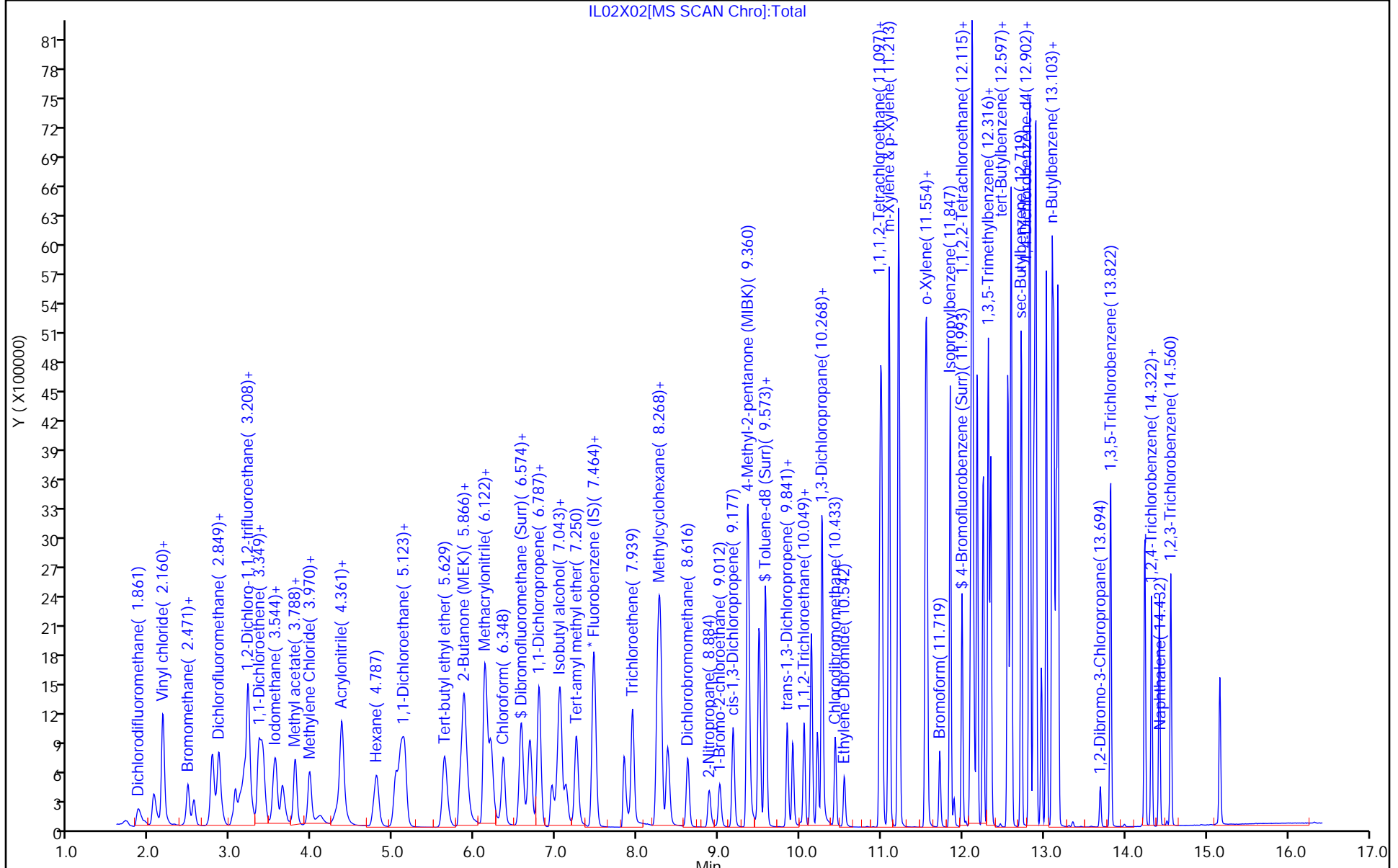
ALS Bottle#: 2

Method: 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



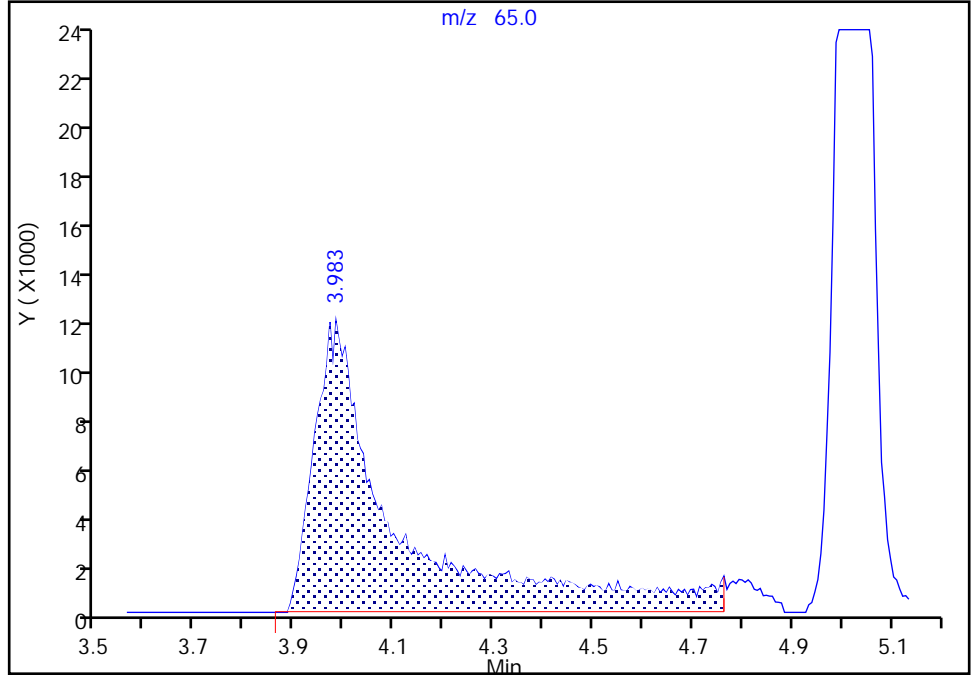
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X02.D
Injection Date: 02-Jul-2023 12:04:30 Instrument ID: 19930
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: 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

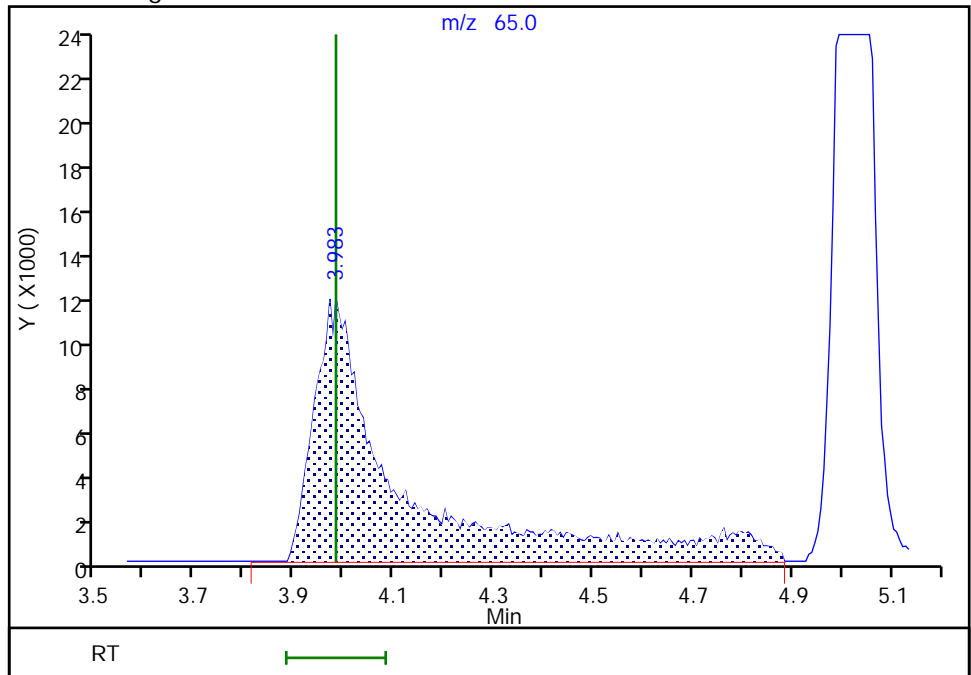
RT: 3.98
Area: 136542
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 3.98
Area: 143071
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-Jul-2023 12:31:35 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins Lancaster Laboratories Environment Testing, LLC

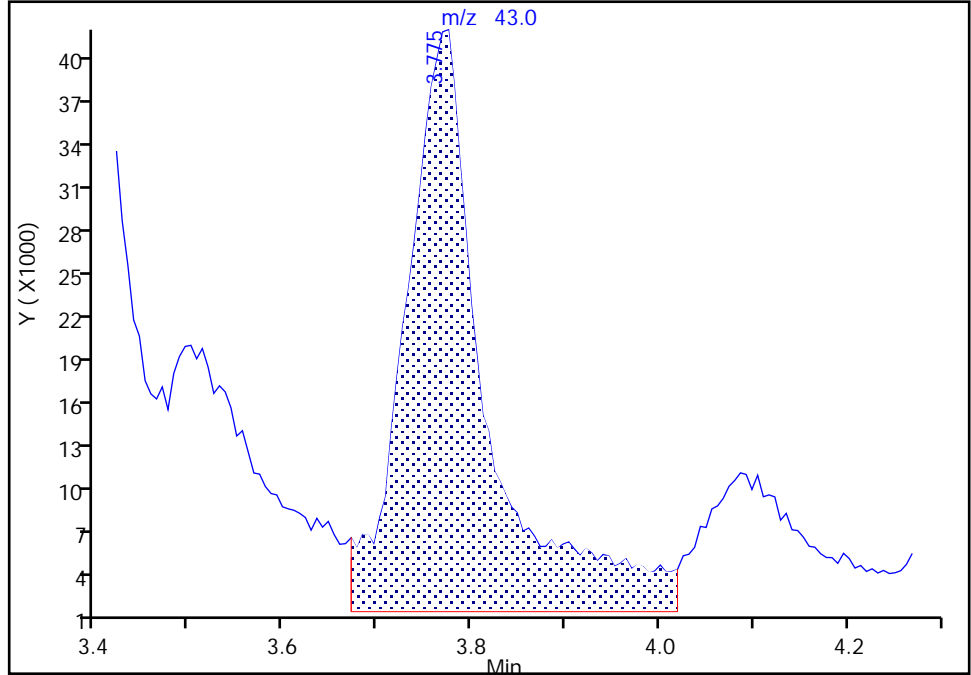
Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X02.D
Injection Date: 02-Jul-2023 12:04:30 Instrument ID: 19930
Lims ID: CCVIS VSTD10
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

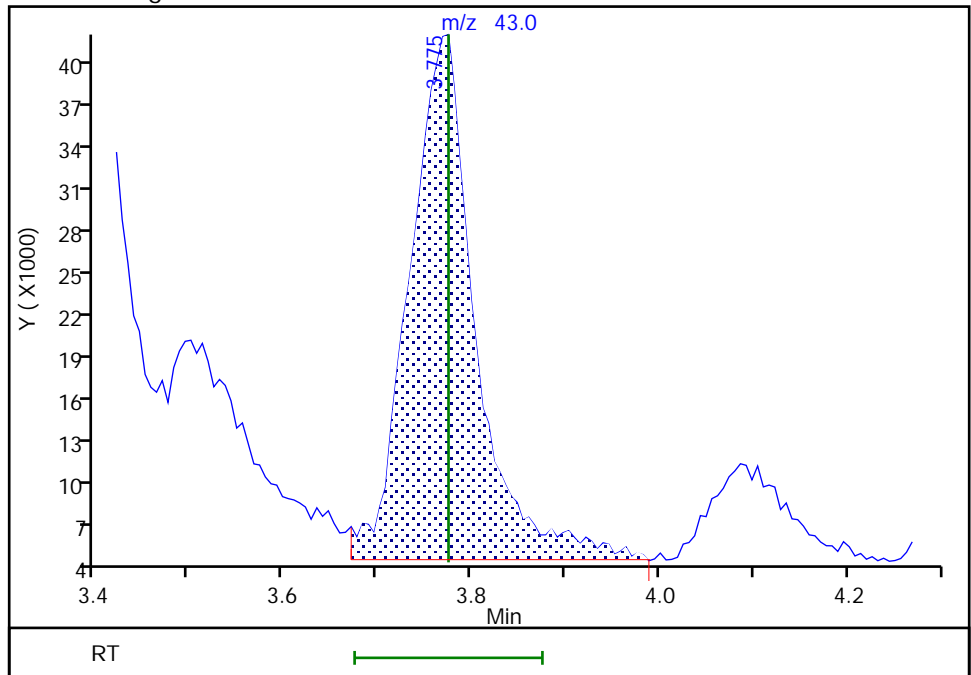
RT: 3.78
Area: 240774
Amount: 14.938884
Amount Units: ug/l

Processing Integration Results



RT: 3.78
Area: 184148
Amount: 10.904110
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-Jul-2023 12:31:27 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Euofins Lancaster Laboratories Environment Testing, LLC

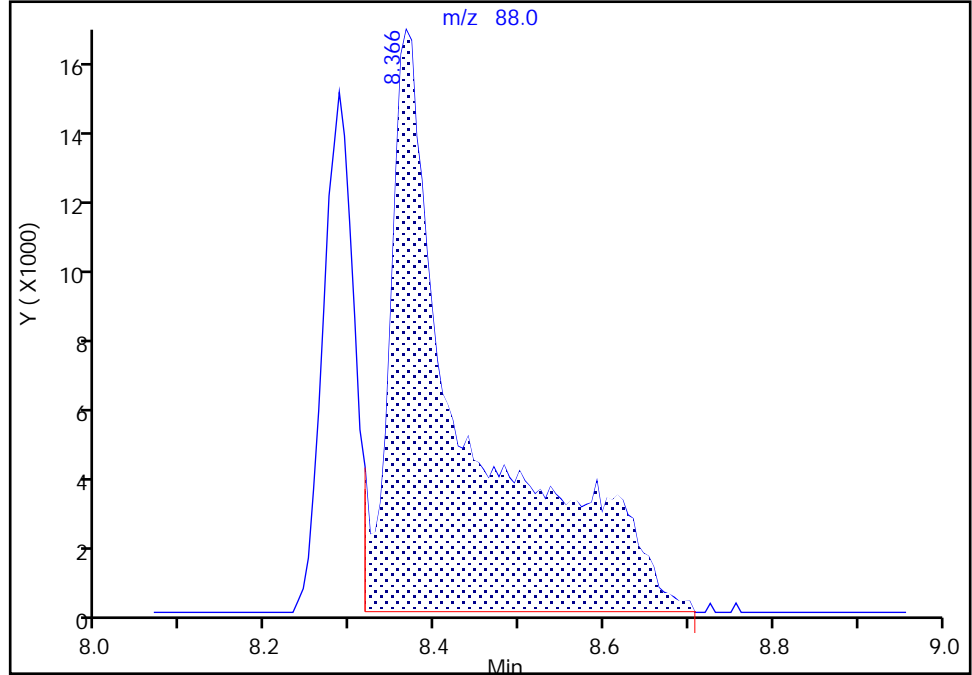
Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X02.D
Injection Date: 02-Jul-2023 12:04:30 Instrument ID: 19930
Lims ID: CCVIS VSTD10
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

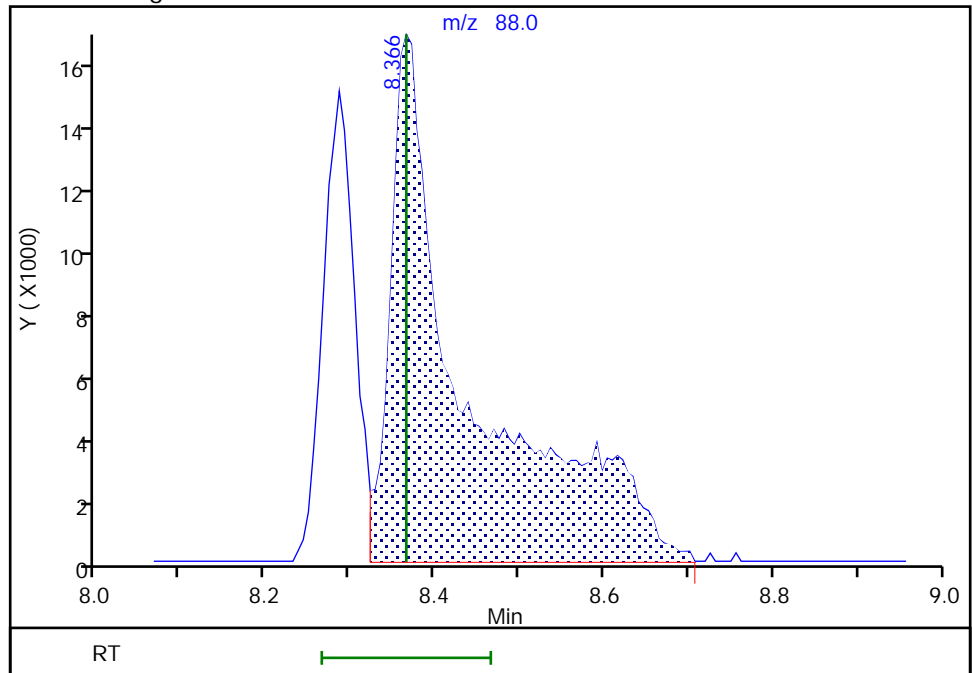
RT: 8.37
Area: 105935
Amount: 671.4874
Amount Units: ug/l

Processing Integration Results



RT: 8.37
Area: 104429
Amount: 661.9414
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-Jul-2023 12:31:55 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
 Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12T01.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 12-Jun-2023 20:26:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: 410-0086386-001
 Misc. Info.: bfb
 Operator ID: gaw91131 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 13-Jun-2023 12:53:32 Calib Date: 13-Jun-2023 02:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1607

First Level Reviewer: JS6E Date: 12-Jun-2023 20:35:55

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	5.115	5.115	0.000	0	555437	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

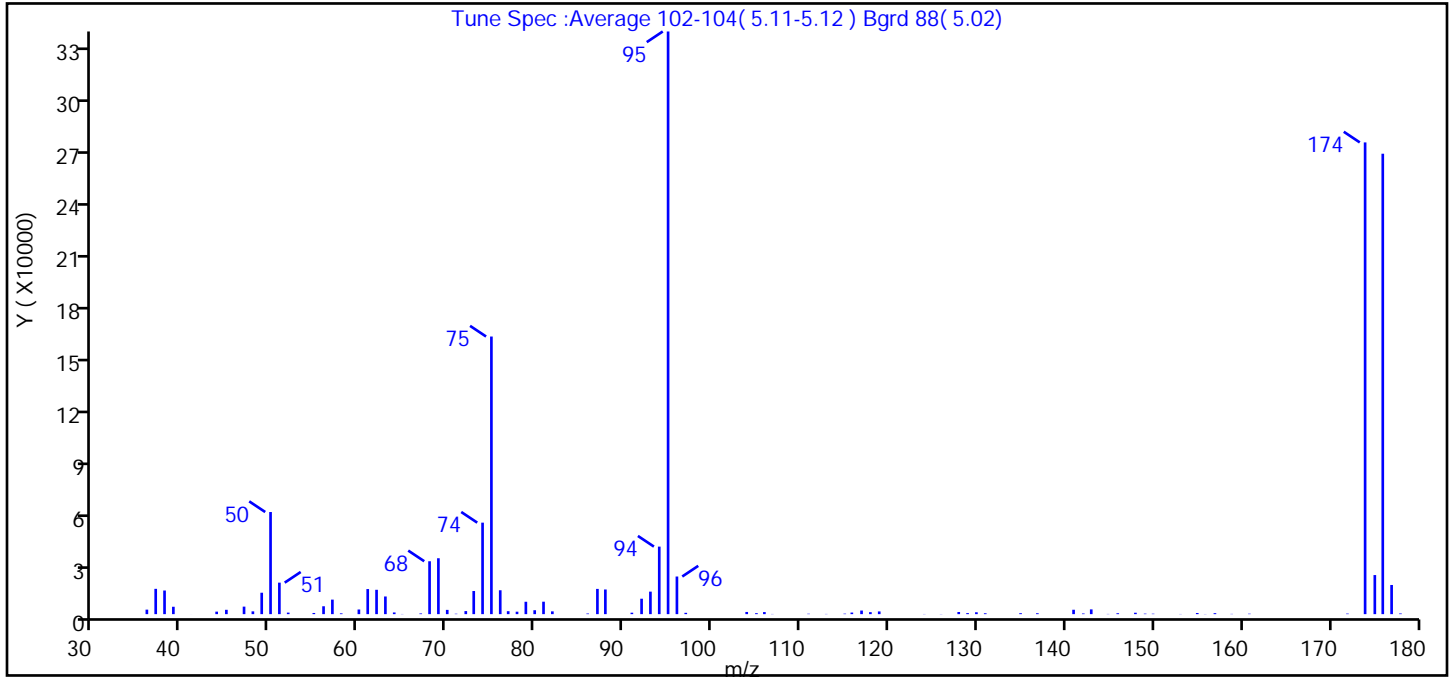
Reagents:

MSV_V_BFB_00011 Amount Added: 1.00 Units: uL

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12T01.D
 Injection Date: 12-Jun-2023 20:26:30 Instrument ID: 16334
 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_16334_25mL Limit Group: MSV - 8260C_D
 Tune Method: BFB Method 8260

\$ 168 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.5
75	30 to 60% of m/z 95	47.6
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	81.0
175	5 to 9% of m/z 174	6.7 (8.3)
176	Greater than 95% but less than 101% of m/z 174	79.0 (97.6)
177	5 to 9% of m/z 176	5.0 (6.3)

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12T01.D\MSV_16334_25mL.rslt\spectra.d
Injection Date: 12-Jun-2023 20:26:30
Spectrum: Tune Spec :Average 102-104(5.11-5.12) Bgrd 88(5.02)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 89

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2577	65.00	98	94.00	38608	141.00	2511
37.00	14465	67.00	402	95.00	333120	142.00	376
38.00	13511	68.00	30240	96.00	21512	143.00	2717
39.00	4222	69.00	31960	97.00	755	145.00	122
41.00	16	70.00	2435	104.00	1252	146.00	524
42.00	3	71.00	232	105.00	557	148.00	806
44.00	1435	72.00	1745	106.00	1182	149.00	287
45.00	2479	73.00	13221	107.00	107	150.00	250
47.00	4298	74.00	52312	111.00	229	153.00	96
48.00	1597	75.00	158720	113.00	120	155.00	655
49.00	12246	76.00	13655	115.00	281	156.00	86
50.00	58384	77.00	1686	116.00	911	157.00	556
51.00	18008	78.00	1398	117.00	2056	159.00	142
52.00	877	79.00	7080	118.00	1134	161.00	251
55.00	666	80.00	2239	119.00	1546	172.00	313
56.00	4507	81.00	7115	124.00	95	174.00	269696
57.00	8308	82.00	1594	126.00	85	175.00	22344
58.00	450	86.00	362	128.00	1228	176.00	263232
60.00	2654	87.00	14430	129.00	602	177.00	16672
61.00	14342	88.00	14101	130.00	1079	178.00	382
62.00	13924	91.00	830	131.00	501		
63.00	10097	92.00	8821	135.00	541		
64.00	962	93.00	12870	137.00	521		

Report Date: 13-Jun-2023 12:53:33

Chrom Revision: 2.3 05-Jun-2023 19:02:10

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12T01.D

Injection Date: 12-Jun-2023 20:26:30

Instrument ID: 16334

Operator ID: gaw91131

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 uL

Dil. Factor: 1.0000

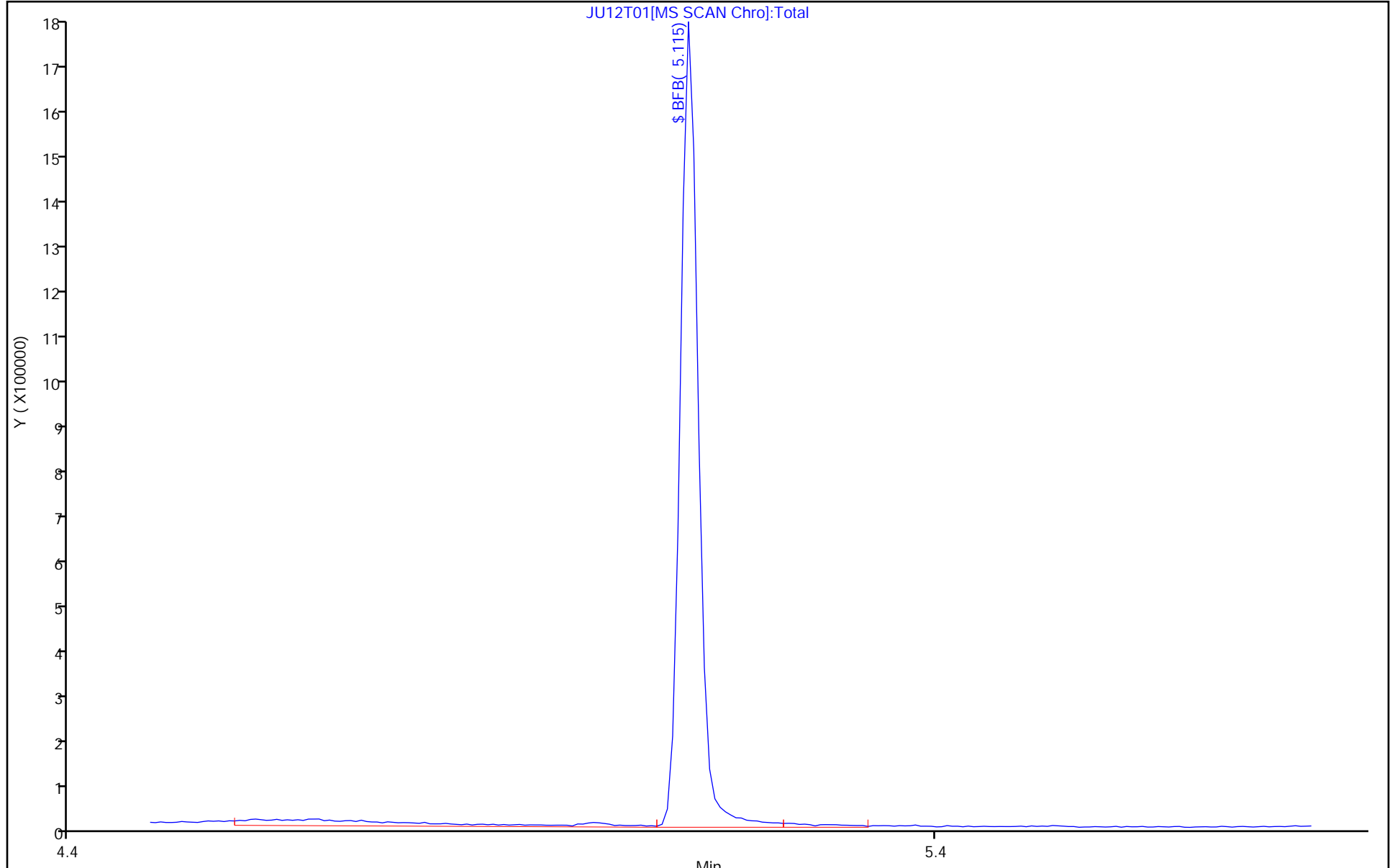
ALS Bottle#: 1

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
 Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\GL05T01.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 05-Jul-2023 09:24:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: 410-0088183-001
 Misc. Info.: BFB
 Operator ID: knk41612 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-Jul-2023 11:09:47 Calib Date: 13-Jun-2023 02:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1619

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 168 BFB	95	5.109	5.109	0.000	91	498609	NR	NR	

QC Flag Legend

Processing Flags
 NR - Missing Quant Standard

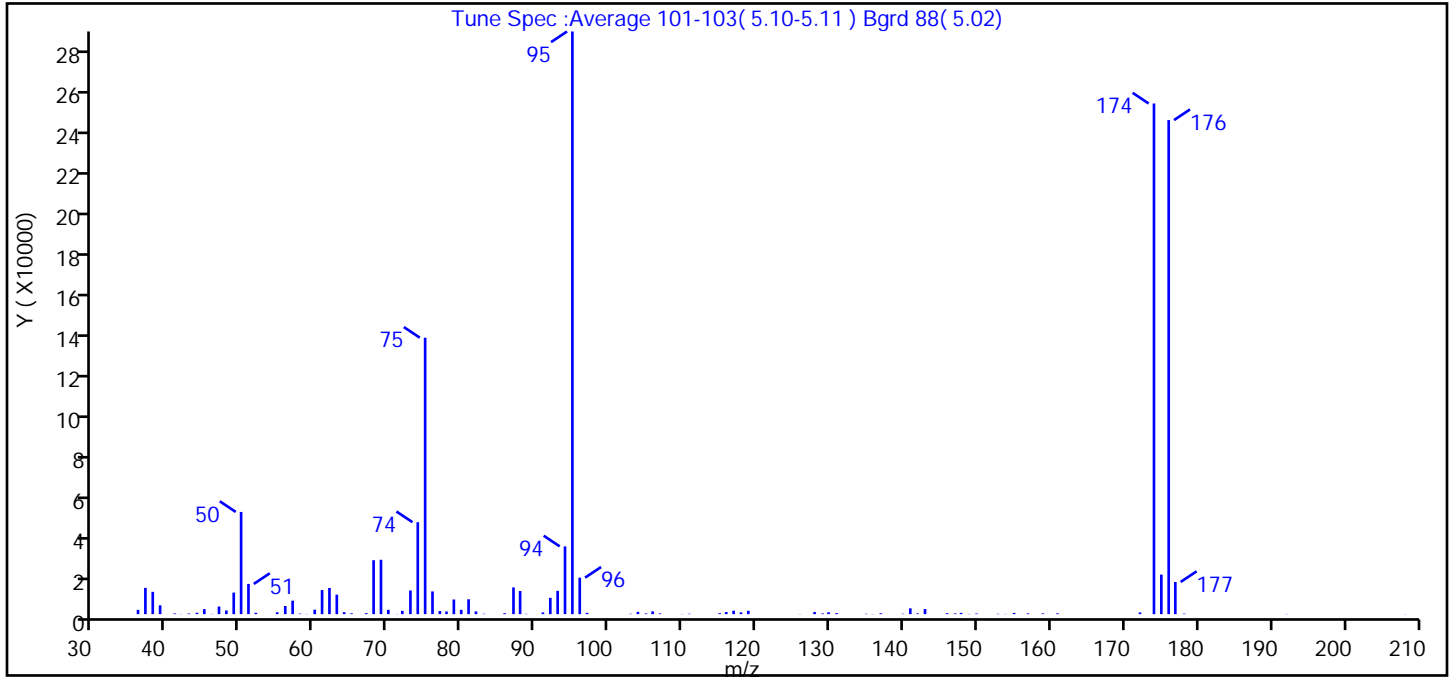
Reagents:

MSV_V_BFB_00012 Amount Added: 1.00 Units: uL

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\GL05T01.D
 Injection Date: 05-Jul-2023 09:24:30 Instrument ID: 16334
 Lims ID: BFB
 Client ID:
 Operator ID: knk41612 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
 Tune Method: BFB Method 8260

\$ 168 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.5
75	30 to 60% of m/z 95	47.4
96	5 to 9% of m/z 95	6.3
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	87.6
175	5 to 9% of m/z 174	6.8 (7.7)
176	Greater than 95% but less than 101% of m/z 174	84.8 (96.8)
177	5 to 9% of m/z 176	5.5 (6.5)

Data File: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\GL05T01.D\MSV_16334_25mL.rslt\spectra.d
 Injection Date: 05-Jul-2023 09:24:30
 Spectrum: Tune Spec :Average 101-103(5.10-5.11) Bgrd 88(5.02)
 Base Peak: 95.00
 Minimum % Base Peak: 0
 Number of Points: 99

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2136	63.00	9623	92.00	8042	137.00	446
37.00	12974	64.00	971	93.00	11503	140.00	195
38.00	11021	65.00	407	94.00	33480	141.00	2861
39.00	4375	67.00	486	95.00	287872	142.00	361
40.00	18	68.00	26648	96.00	18024	143.00	2509
41.00	345	69.00	26872	97.00	640	146.00	472
42.00	94	70.00	2146	103.00	187	147.00	351
43.00	304	71.00	86	104.00	1135	148.00	646
44.00	697	72.00	1640	105.00	348	149.00	114
45.00	2485	73.00	11710	106.00	1368	150.00	314
46.00	97	74.00	45440	107.00	374	153.00	186
47.00	3751	75.00	136576	110.00	85	154.00	108
48.00	1805	76.00	11217	111.00	204	155.00	612
49.00	10647	77.00	1548	115.00	452	157.00	395
50.00	50496	78.00	1305	116.00	1044	159.00	365
51.00	14932	79.00	7240	117.00	1707	161.00	410
52.00	671	80.00	2138	118.00	886	172.00	839
55.00	953	81.00	7357	119.00	1658	174.00	252288
56.00	4031	82.00	1346	126.00	88	175.00	19536
57.00	6658	83.00	208	128.00	1045	176.00	244096
58.00	265	86.00	470	129.00	353	177.00	15895
59.00	92	87.00	13207	130.00	919	178.00	259
60.00	2220	88.00	11421	131.00	492	192.00	86
61.00	11902	89.00	167	135.00	197	208.00	74
62.00	12943	91.00	857	136.00	88		

Data File: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\GL05T01.D

Injection Date: 05-Jul-2023 09:24:30

Instrument ID: 16334

Operator ID: knk41612

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 uL

Dil. Factor: 1.0000

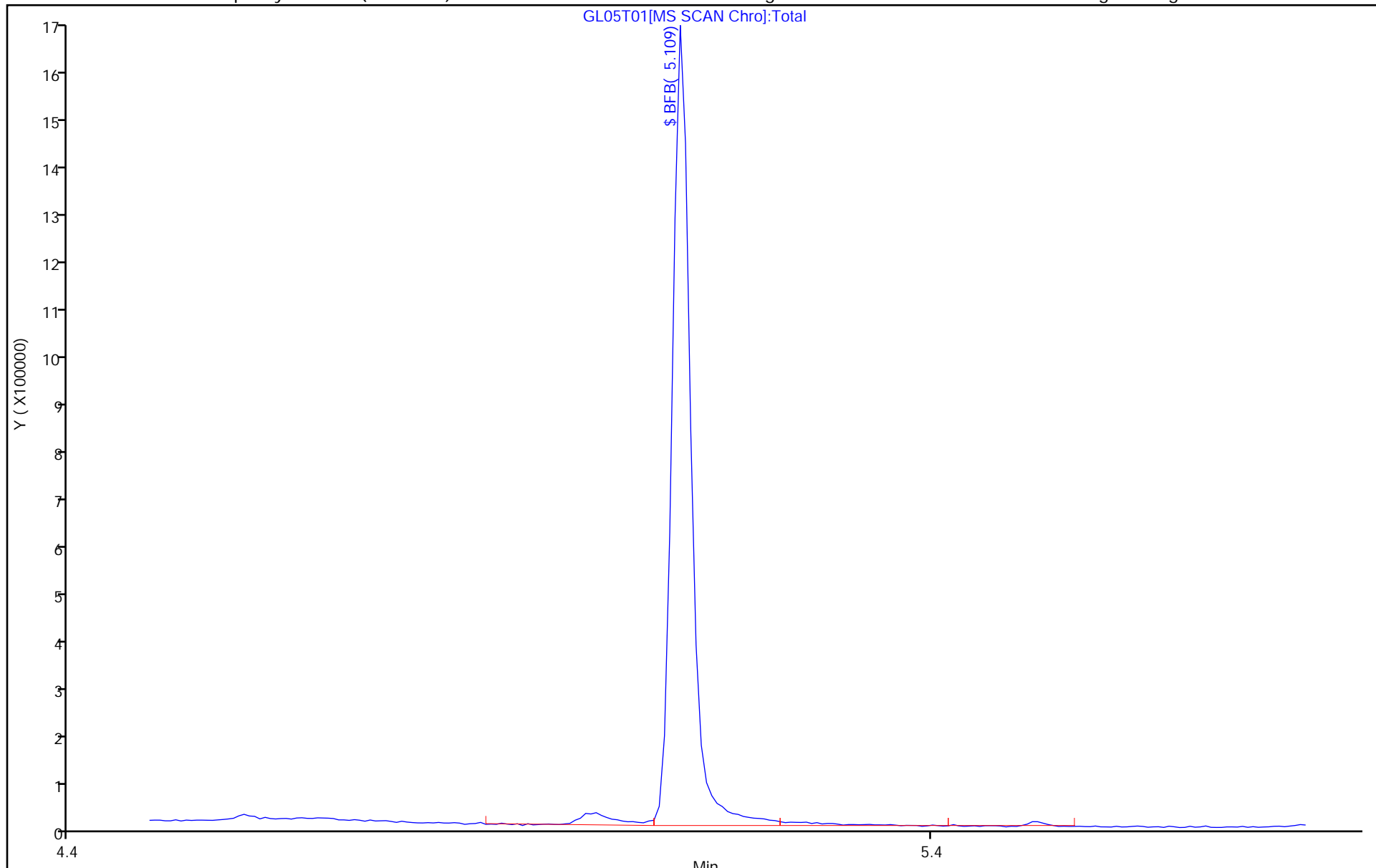
ALS Bottle#: 1

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19T01.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 19-Jun-2023 14:12:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: 410-0086929-001
 Misc. Info.: BFB
 Operator ID: KNK41612 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Jun-2023 12:31:25 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1687

First Level Reviewer: DVW2 Date: 19-Jun-2023 15:39:15

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	5.032	5.032	0.000	0	220427	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

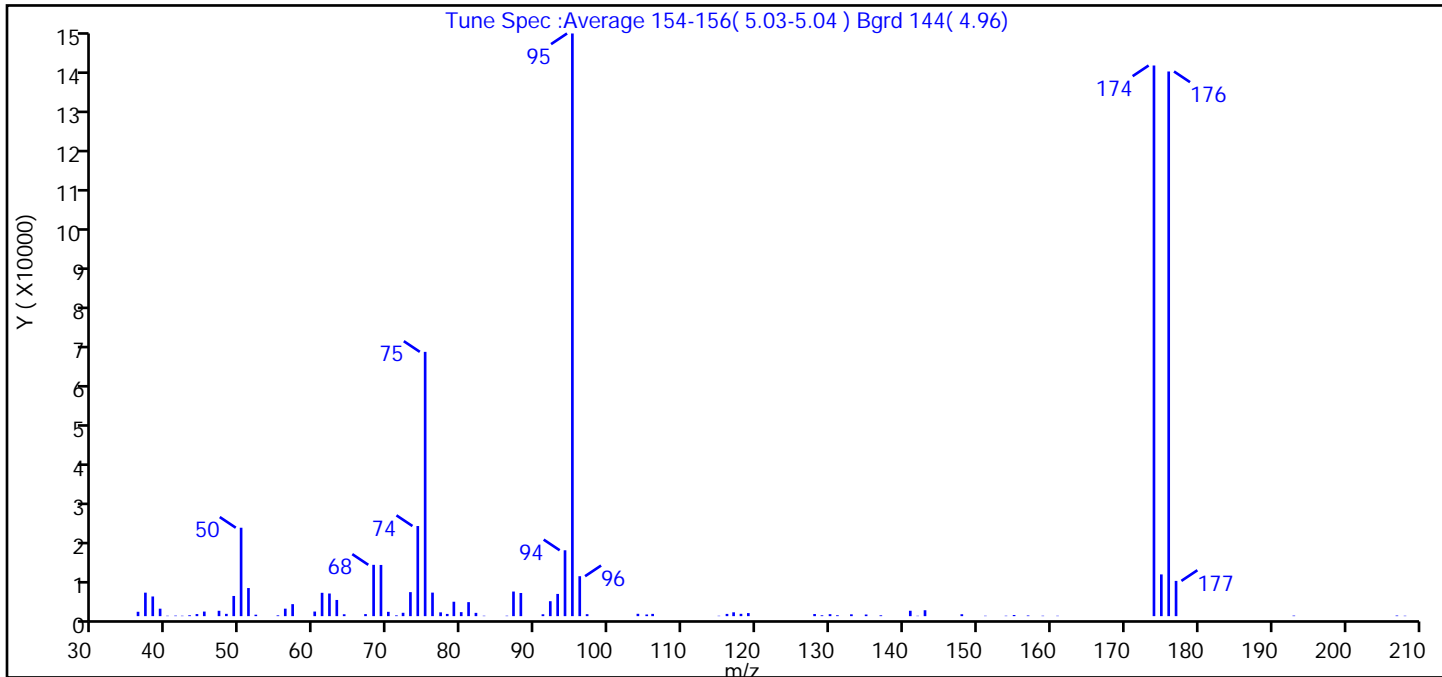
Reagents:

MSV_V_BFB_00012 Amount Added: 1.00 Units: uL

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19T01.D
 Injection Date: 19-Jun-2023 14:12:30 Instrument ID: 19930
 Lims ID: BFB
 Client ID:
 Operator ID: KNK41612 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	15.2
75	30 to 60% of m/z 95	45.4
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	94.5
175	5 to 9% of m/z 174	7.2 (7.6)
176	Greater than 95% but less than 101% of m/z 174	93.5 (98.9)
177	5 to 9% of m/z 176	6.1 (6.5)

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\U19T01.D\8260 25ml HP31.rsl\spectra.d
 Injection Date: 19-Jun-2023 14:12:30
 Spectrum: Tune Spec :Average 154-156(5.03-5.04) Bgrd 144(4.96)
 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	1075	62.00	5564	87.00	6046	133.00	446
37.00	5773	63.00	3978	88.00	5692	135.00	402
38.00	4835	64.00	462	91.00	457	137.00	203
39.00	1835	67.00	503	92.00	3671	141.00	1325
40.00	99	68.00	12615	93.00	5464	142.00	90
41.00	126	69.00	12585	94.00	16190	143.00	1453
42.00	98	70.00	1063	95.00	143232	148.00	471
43.00	217	71.00	188	96.00	9818	151.00	93
44.00	513	72.00	826	97.00	481	154.00	99
45.00	1125	73.00	5902	104.00	577	155.00	280
47.00	1319	74.00	22152	105.00	405	157.00	164
48.00	566	75.00	64968	106.00	555	159.00	100
49.00	4961	76.00	5785	115.00	87	161.00	90
50.00	21736	77.00	932	116.00	551	174.00	135360
51.00	6908	78.00	545	117.00	944	175.00	10258
52.00	358	79.00	3542	118.00	572	176.00	133888
55.00	193	80.00	985	119.00	750	177.00	8666
56.00	1838	81.00	3444	128.00	520	193.00	132
57.00	2949	82.00	806	129.00	205	207.00	149
60.00	1129	83.00	96	130.00	486	208.00	96
61.00	5738	86.00	103	131.00	217		

Data File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19T01.D

Injection Date: 19-Jun-2023 14:12:30

Instrument ID: 19930

Operator ID: KNK41612

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 uL

Dil. Factor: 1.0000

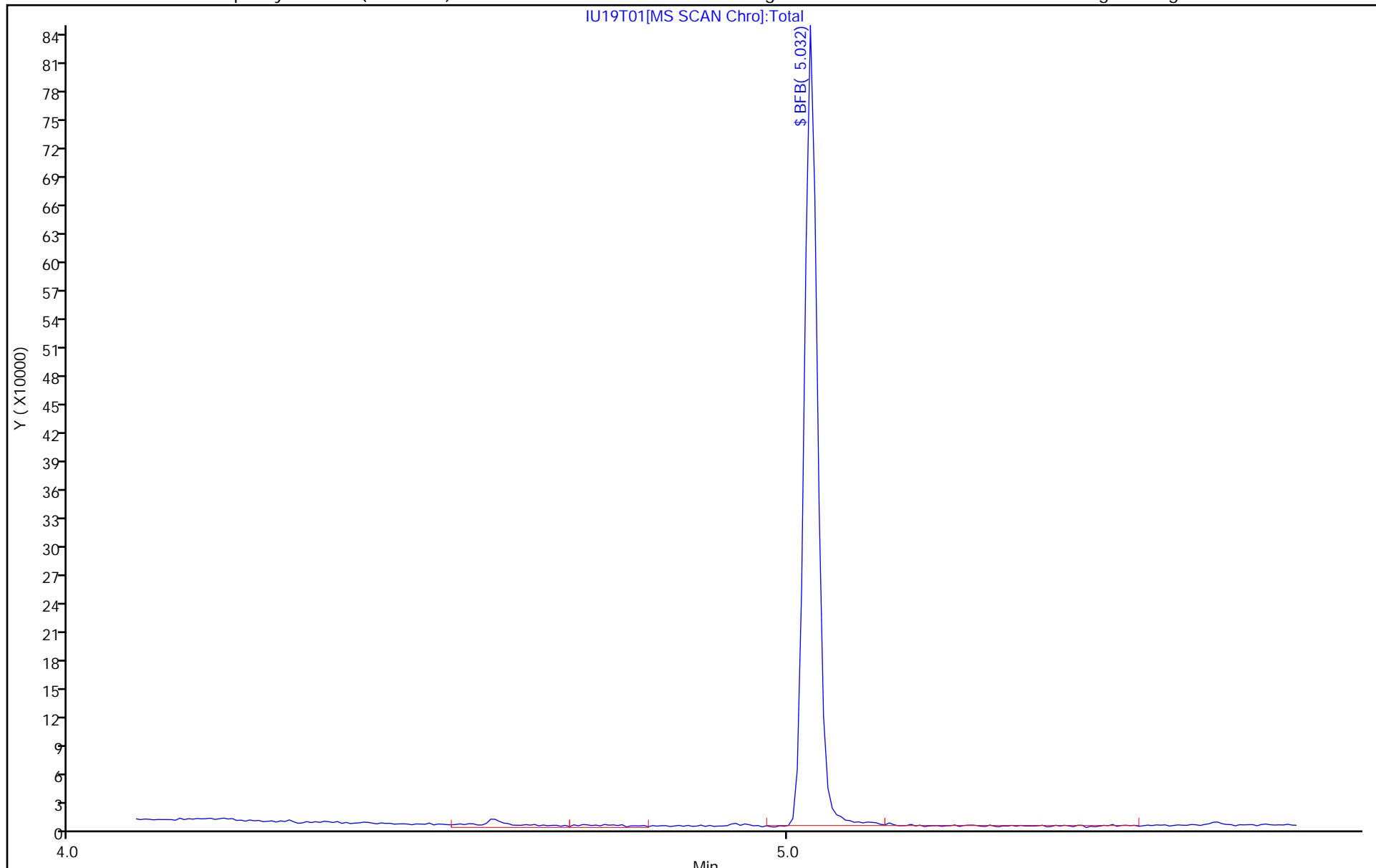
ALS Bottle#: 1

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\20230629-87928.b\IU29T32.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 29-Jun-2023 21:45:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: 410-0087928-001
 Misc. Info.: BFB
 Operator ID: gaw91131 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 30-Jun-2023 00:38:49 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 167 BFB	95	5.026	5.026	0.000	0	187927	NR	NR	

QC Flag Legend

Processing Flags
 NR - Missing Quant Standard

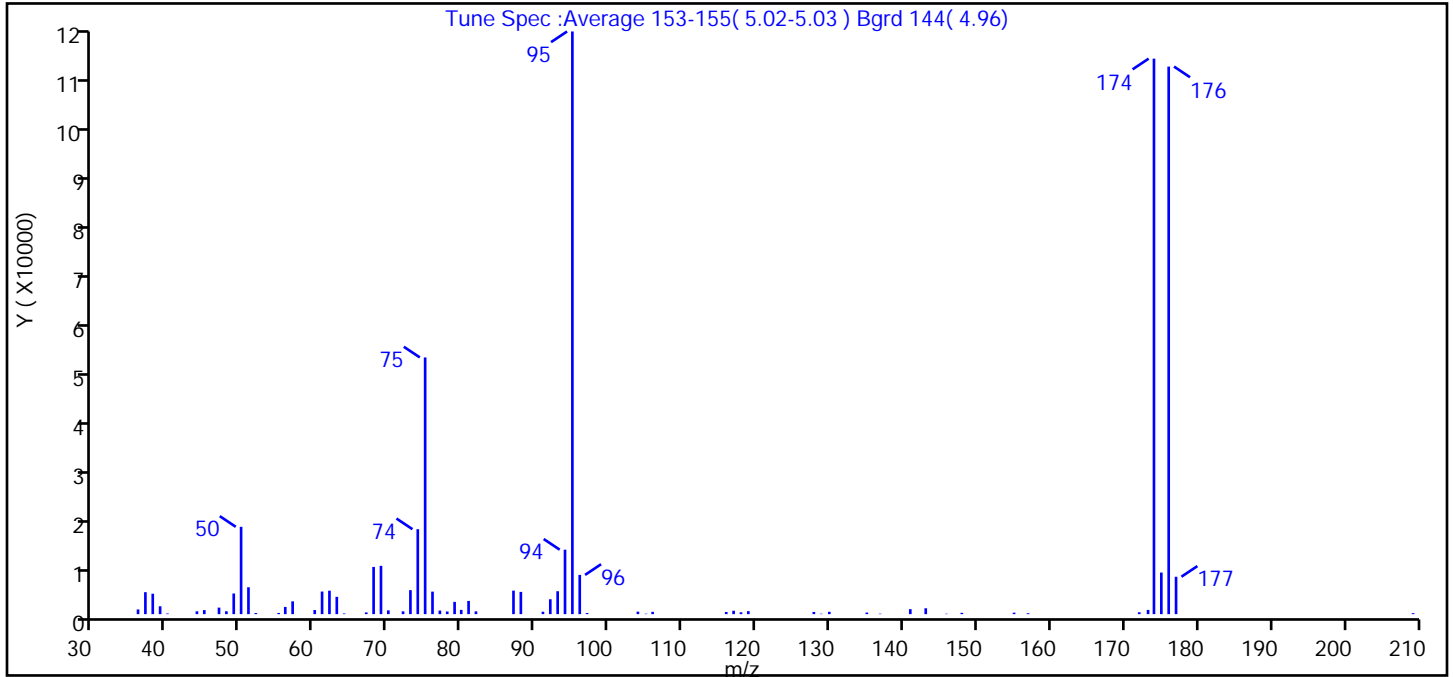
Reagents:

MSV_V_BFB_00012 Amount Added: 1.00 Units: uL

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29T32.D
 Injection Date: 29-Jun-2023 21:45:30 Instrument ID: 19930
 Lims ID: BFB
 Client ID:
 Operator ID: gaw91131 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	15.0
75	30 to 60% of m/z 95	44.1
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.7 (0.8)
174	50 to 120% of m/z 95	95.3
175	5 to 9% of m/z 174	7.1 (7.5)
176	Greater than 95% but less than 101% of m/z 174	94.0 (98.6)
177	5 to 9% of m/z 176	6.4 (6.8)

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29T32.D\8260 25ml HP31.rslt\spectra.d
Injection Date: 29-Jun-2023 21:45:30
Spectrum: Tune Spec :Average 153-155(5.02-5.03) Bgrd 144(4.96)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 70

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	956	62.00	4767	87.00	4774	130.00	475
37.00	4462	63.00	3515	88.00	4518	135.00	324
38.00	4149	64.00	132	91.00	493	137.00	92
39.00	1598	67.00	356	92.00	3026	141.00	1014
40.00	130	68.00	9590	93.00	4655	143.00	1194
44.00	573	69.00	9810	94.00	13093	146.00	83
45.00	823	70.00	765	95.00	118352	148.00	270
47.00	1325	72.00	569	96.00	7973	155.00	301
48.00	584	73.00	4878	97.00	221	157.00	185
49.00	4192	74.00	17256	104.00	507	172.00	377
50.00	17736	75.00	52144	105.00	88	173.00	858
51.00	5459	76.00	4575	106.00	465	174.00	112832
52.00	228	77.00	732	116.00	445	175.00	8447
55.00	242	78.00	537	117.00	689	176.00	111224
56.00	1466	79.00	2490	118.00	377	177.00	7596
57.00	2601	80.00	865	119.00	601	209.00	199
60.00	836	81.00	2687	128.00	445		
61.00	4593	82.00	569	129.00	87		

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29T32.D

Injection Date: 29-Jun-2023 21:45:30

Instrument ID: 19930

Operator ID: gaw91131

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 uL

Dil. Factor: 1.0000

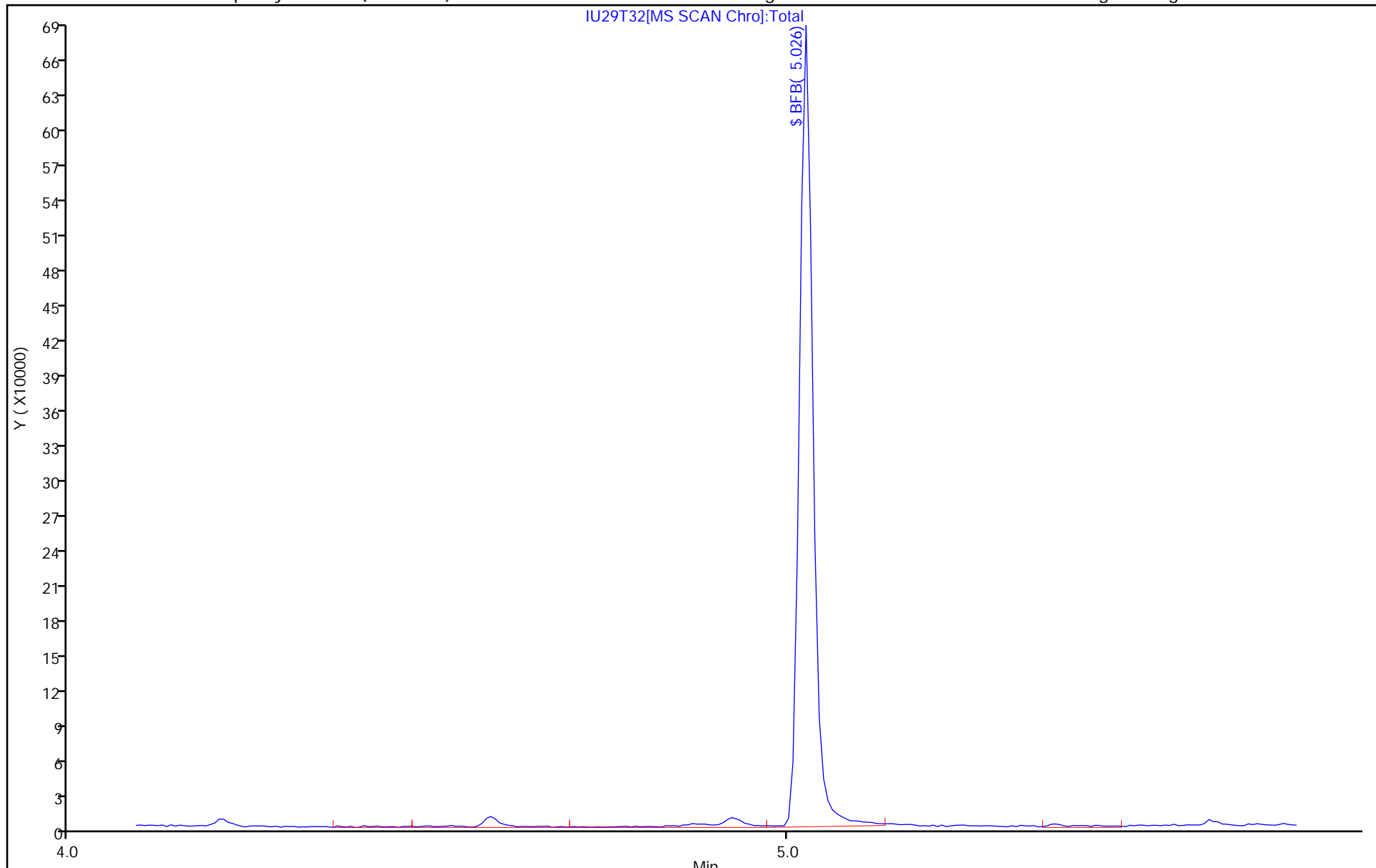
ALS Bottle#: 1

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\20230702-88040.b\IL02T01.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 02-Jul-2023 11:22:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: 410-0088040-001
 Misc. Info.: BFB
 Operator ID: knk41612 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 02-Jul-2023 13:43:57 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

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	5.026	5.026	0.000	0	184319	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

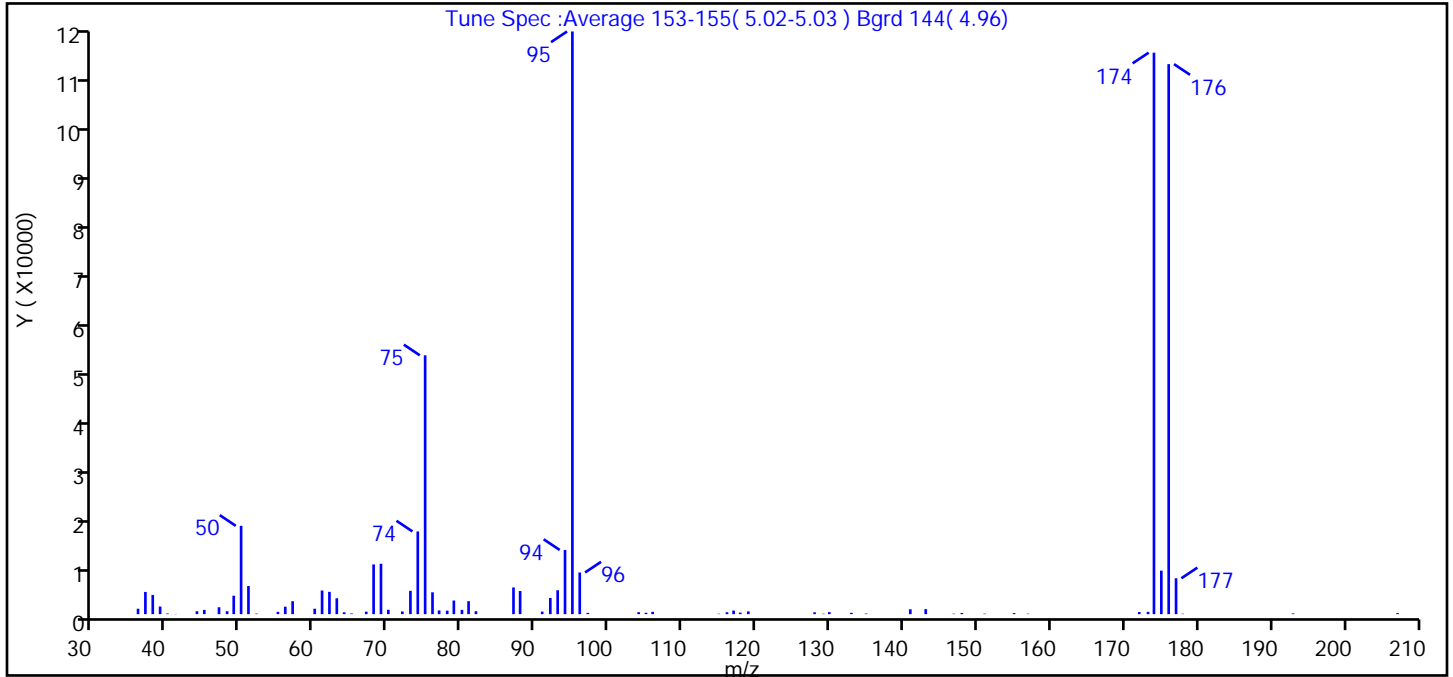
Reagents:

MSV_V_BFB_00012 Amount Added: 1.00 Units: uL

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02T01.D
 Injection Date: 02-Jul-2023 11:22:30 Instrument ID: 19930
 Lims ID: BFB
 Client ID:
 Operator ID: knk41612 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	15.2
75	30 to 60% of m/z 95	44.4
96	5 to 9% of m/z 95	7.2
173	Less than 2% of m/z 174	0.4 (0.4)
174	50 to 120% of m/z 95	96.4
175	5 to 9% of m/z 174	7.5 (7.7)
176	Greater than 95% but less than 101% of m/z 174	94.4 (98.0)
177	5 to 9% of m/z 176	6.2 (6.5)

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02T01.D\8260 25ml HP31.rsl\spectra.d
Injection Date: 02-Jul-2023 11:22:30
Spectrum: Tune Spec :Average 153-155(5.02-5.03) Bgrd 144(4.96)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 76

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1091	62.00	4510	87.00	5393	130.00	406
37.00	4493	63.00	3212	88.00	4682	133.00	272
38.00	3884	64.00	375	91.00	513	135.00	124
39.00	1542	65.00	141	92.00	3273	141.00	983
40.00	138	67.00	506	93.00	4830	143.00	1016
41.00	38	68.00	10057	94.00	12981	147.00	91
44.00	585	69.00	10192	95.00	117856	148.00	240
45.00	853	70.00	888	96.00	8428	151.00	95
47.00	1393	72.00	538	97.00	253	155.00	215
48.00	598	73.00	4720	104.00	394	157.00	86
49.00	3731	74.00	16728	105.00	278	172.00	423
50.00	17864	75.00	52352	106.00	468	173.00	460
51.00	5689	76.00	4410	115.00	86	174.00	113568
52.00	108	77.00	753	116.00	391	175.00	8800
55.00	463	78.00	705	117.00	726	176.00	111248
56.00	1505	79.00	2755	118.00	309	177.00	7253
57.00	2610	80.00	862	119.00	558	178.00	84
60.00	1094	81.00	2623	128.00	364	193.00	151
61.00	4781	82.00	586	129.00	88	207.00	205

Report Date: 02-Jul-2023 13:43:58

Chrom Revision: 2.3 21-Jun-2023 17:36:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02T01.D

Injection Date: 02-Jul-2023 11:22:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 uL

Dil. Factor: 1.0000

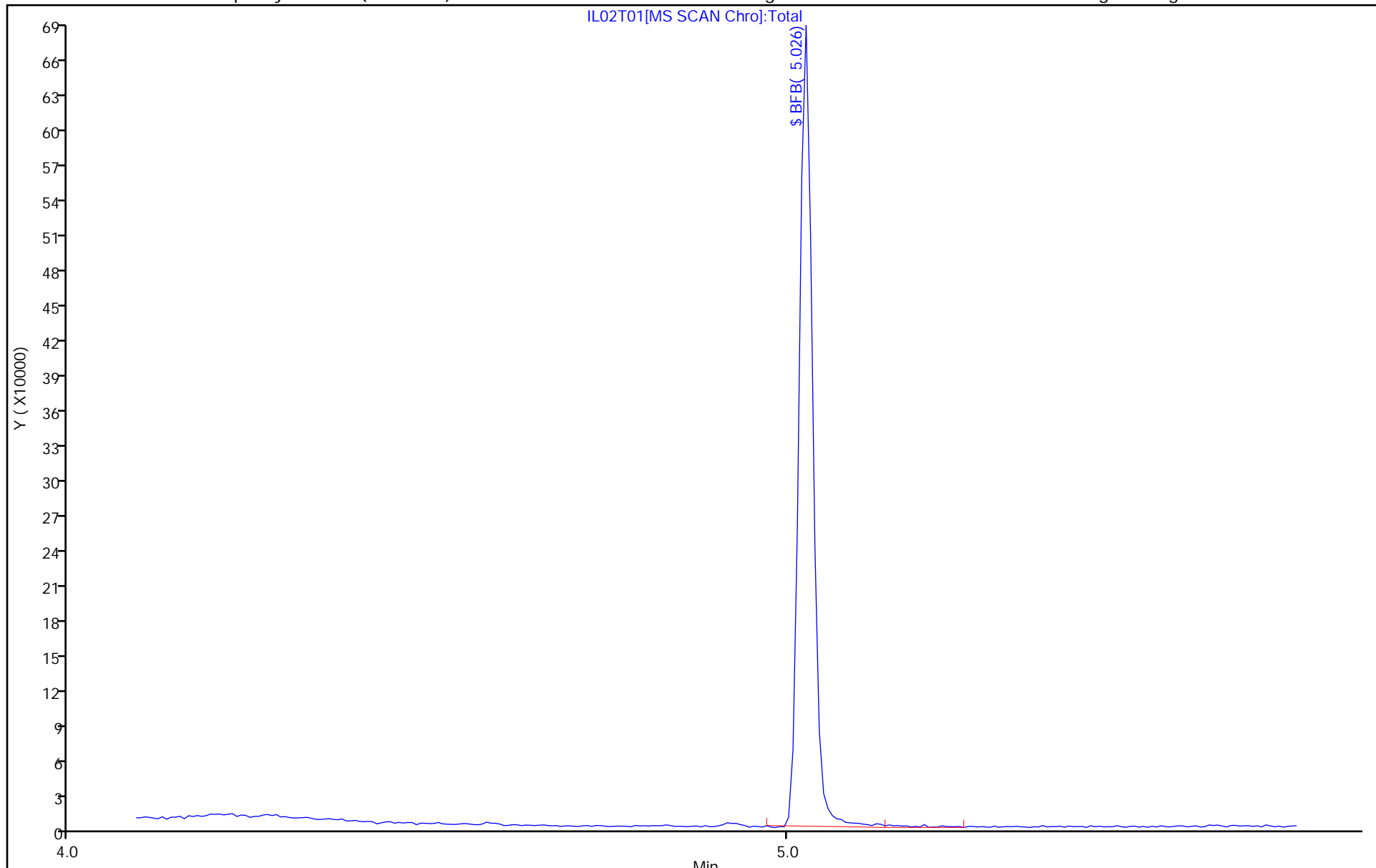
ALS Bottle#: 1

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.: 410-131835-1

SDG No.:

Client Sample ID:

Lab Sample ID: MB 410-392483/6

Matrix: Water

Lab File ID: IU29X35.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 06/29/2023 23:21

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 392483

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-131835-1
 Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 410-392483/6

Matrix: Water Lab File ID: IU29X35.D

Analysis Method: 8260D Date Collected: _____

Sample wt/vol: 25 (mL) Date Analyzed: 06/29/2023 23:21

Soil Aliquot Vol: _____ Dilution Factor: 1

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

Purge Volume: 25.0 (mL) Heated Purge: (Y/N) N pH: _____

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

Analysis Batch No.: 392483 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)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X35.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 29-Jun-2023 23:21:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0087928-006
 Misc. Info.: MB
 Operator ID: gaw91131 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 30-Jun-2023 00:38:36 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: JS6E Date: 29-Jun-2023 23:51:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85		1.855					ND	
2 Chlorodifluoromethane	51		1.867					ND	
3 Dimethyl ether	45		1.922					ND	
4 Chloromethane	50		2.038					ND	
5 Vinyl chloride	62		2.148					ND	
6 Butadiene	39		2.148					ND	7
7 Bromomethane	94		2.459					ND	
8 Chloroethane	64		2.532					ND	
9 Dichlorofluoromethane	67		2.757					ND	
10 Trichlorofluoromethane	101		2.824					ND	
11 Ethyl ether	59		3.044					ND	
13 1,2-Dichloro-1,1,2-trifluoroetha	67		3.135					ND	
14 Acrolein	56		3.202					ND	
15 1,1-Dichloroethene	96		3.330					ND	
16 Acetone	43	3.391	3.361	0.030	5	4660		0.7374	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.379					ND	
18 Iodomethane	142		3.519					ND	
19 Ethyl bromide	108		3.544					ND	
20 Carbon disulfide	76		3.623					ND	7
23 Methyl acetate	43		3.751					ND	
24 3-Chloro-1-propene	41		3.775					ND	
21 Acetonitrile	41		3.788					ND	
25 Methylene Chloride	84		3.958					ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.989	3.971	0.018	22	132116	50.0	50.0	
27 2-Methyl-2-propanol	59		4.092					ND	7
28 Acrylonitrile	53		4.275					ND	
29 Methyl tert-butyl ether	73		4.342					ND	
30 trans-1,2-Dichloroethene	96		4.355					ND	
31 Hexane	57		4.781					ND	7
33 Vinyl acetate	43		4.989					ND	
32 1,1-Dichloroethane	63		5.013					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		5.080					ND	
36 2-Chloro-1,3-butadiene	53		5.123					ND	
37 Tert-butyl ethyl ether	59		5.617					ND	
38 2-Butanone (MEK)	43		5.812					ND	
39 cis-1,2-Dichloroethene	96		5.854					ND	
40 2,2-Dichloropropane	77		5.867					ND	
42 Ethyl acetate	43		5.891					ND	
43 Propionitrile	54		5.897					ND	
45 Methacrylonitrile	67		6.116					ND	
S 41 1,2-Dichloroethene, Total	100		6.155					ND	7
46 Chlorobromomethane	128		6.190					ND	
47 Tetrahydrofuran	71		6.196					ND	
44 Methyl acrylate	55		6.220					ND	
48 Chloroform	83		6.342					ND	
\$ 49 Dibromofluoromethane (Surr)	113	6.562	6.555	0.007	94	431365	10.0	9.98	
50 1,1,1-Trichloroethane	97		6.568					ND	
51 Cyclohexane	56	6.726	6.671	0.055	1	2279		0.0290	
53 1,1-Dichloropropene	75		6.781					ND	
54 Carbon tetrachloride	117		6.781					ND	
55 Isobutyl alcohol	41		6.939					ND	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.019	7.007	0.012	62	85859	10.0	10.0	
52 1-Chlorobutane	56		7.019					ND	
57 Benzene	78		7.043					ND	
58 1,2-Dichloroethane	62		7.110					ND	
59 Isopropyl acetate	43	7.043	7.128	-0.085	34	436		0.007507	
60 Tert-amyl methyl ether	73		7.244					ND	
* 61 Fluorobenzene (IS)	96	7.452	7.452	0.000	99	1682785	10.0	10.0	
62 n-Heptane	43	7.482	7.470	0.012	48	3052		0.0483	
63 n-Butanol	56	7.897	7.836	0.061	89	31338		45.7	M
64 Trichloroethene	95		7.933					ND	
65 Methylcyclohexane	83		8.244					ND	7
66 1,2-Dichloropropane	63		8.262					ND	
67 Methyl methacrylate	69		8.360					ND	
68 1,4-Dioxane	88		8.366					ND	
69 Dibromomethane	93		8.372					ND	
70 n-Propyl acetate	43		8.445					ND	
71 Dichlorobromomethane	83		8.610					ND	
72 2-Nitropropane	41		8.878					ND	
73 2-Chloroethyl vinyl ether	63		9.006					ND	
75 1-Bromo-2-chloroethane	63		9.006					ND	
76 cis-1,3-Dichloropropene	75		9.171					ND	
74 Chloroacetonitrile	75		9.226					ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.354					ND	7
\$ 78 Toluene-d8 (Surr)	98	9.494	9.494	0.000	92	1728797	10.0	9.76	
79 Toluene	92		9.573					ND	
97 trans-1,3-Dichloropropene	75		9.841					ND	
99 Ethyl methacrylate	69		9.908					ND	
100 1,1,2-Trichloroethane	97		10.049					ND	
S 98 1,3-Dichloropropene, Total	100		10.060					ND	7
101 Tetrachloroethene	166		10.140					ND	
102 1,3-Dichloropropane	76		10.213					ND	
103 2-Hexanone	43		10.268					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		10.408					ND	
105 Chlorodibromomethane	129		10.433					ND	
106 Ethylene Dibromide	107		10.542					ND	
* 107 Chlorobenzene-d5 (IS)	117	10.981	10.981	0.000	84	1377516	10.0	10.0	
108 1-Chlorohexane	91		10.994					ND	7
109 Chlorobenzene	112		11.006					ND	
111 1,1,1,2-Tetrachloroethane	131		11.091					ND	
112 Ethylbenzene	91		11.097					ND	
113 m-Xylene & p-Xylene	106		11.213					ND	
S 110 Xylenes, Total	106		11.245					ND	7
114 o-Xylene	106		11.542					ND	
115 Styrene	104		11.561					ND	
116 Bromoform	173		11.719					ND	
117 Isopropylbenzene	105		11.847					ND	
118 cis-1,4-Dichloro-2-butene	88		11.902					ND	
119 Cyclohexanone	55		11.938					ND	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.993	11.993	0.000	96	658119	10.0	9.86	
121 1,1,2,2-Tetrachloroethane	83		12.097					ND	
122 Bromobenzene	156		12.109					ND	
123 trans-1,4-Dichloro-2-butene	53		12.121					ND	
124 1,2,3-Trichloropropane	110		12.140					ND	
125 N-Propylbenzene	91		12.176					ND	
126 2-Chlorotoluene	126		12.256					ND	
127 1,3,5-Trimethylbenzene	105		12.316					ND	
128 4-Chlorotoluene	126		12.347					ND	
129 tert-Butylbenzene	134		12.554					ND	7
130 Pentachloroethane	167		12.591					ND	
131 1,2,4-Trimethylbenzene	105		12.597					ND	
132 sec-Butylbenzene	105		12.719					ND	7
133 1,3-Dichlorobenzene	146		12.816					ND	
134 4-Isopropyltoluene	119		12.829					ND	7
* 135 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	93	844970	10.0	10.0	
136 1,4-Dichlorobenzene	146		12.896					ND	7
137 1,2,3-Trimethylbenzene	120		12.902					ND	7
138 Benzyl chloride	126		12.969					ND	
139 n-Butylbenzene	92		13.121					ND	7
140 1,2-Dichlorobenzene	146		13.152					ND	
141 Hexachloroethane	117		13.542					ND	
142 1,2-Dibromo-3-Chloropropane	155		13.694					ND	
143 1,3,5-Trichlorobenzene	180		13.822					ND	7
144 1,2,4-Trichlorobenzene	180		14.243					ND	
145 Hexachlorobutadiene	225	14.328	14.322	0.006	92	3153		0.0755	
146 Naphthalene	128		14.420					ND	7
147 1,2,3-Trichlorobenzene	180	14.572	14.560	0.012	94	2831		0.0395	
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

Review Flags

M - Manually Integrated

Reagents:

MSV_LLcentISS_00007

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X35.D

Injection Date: 29-Jun-2023 23:21:30

Instrument ID: 19930

Operator ID: gaw91131

Lims ID: MB

Worklist Smp#: 6

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

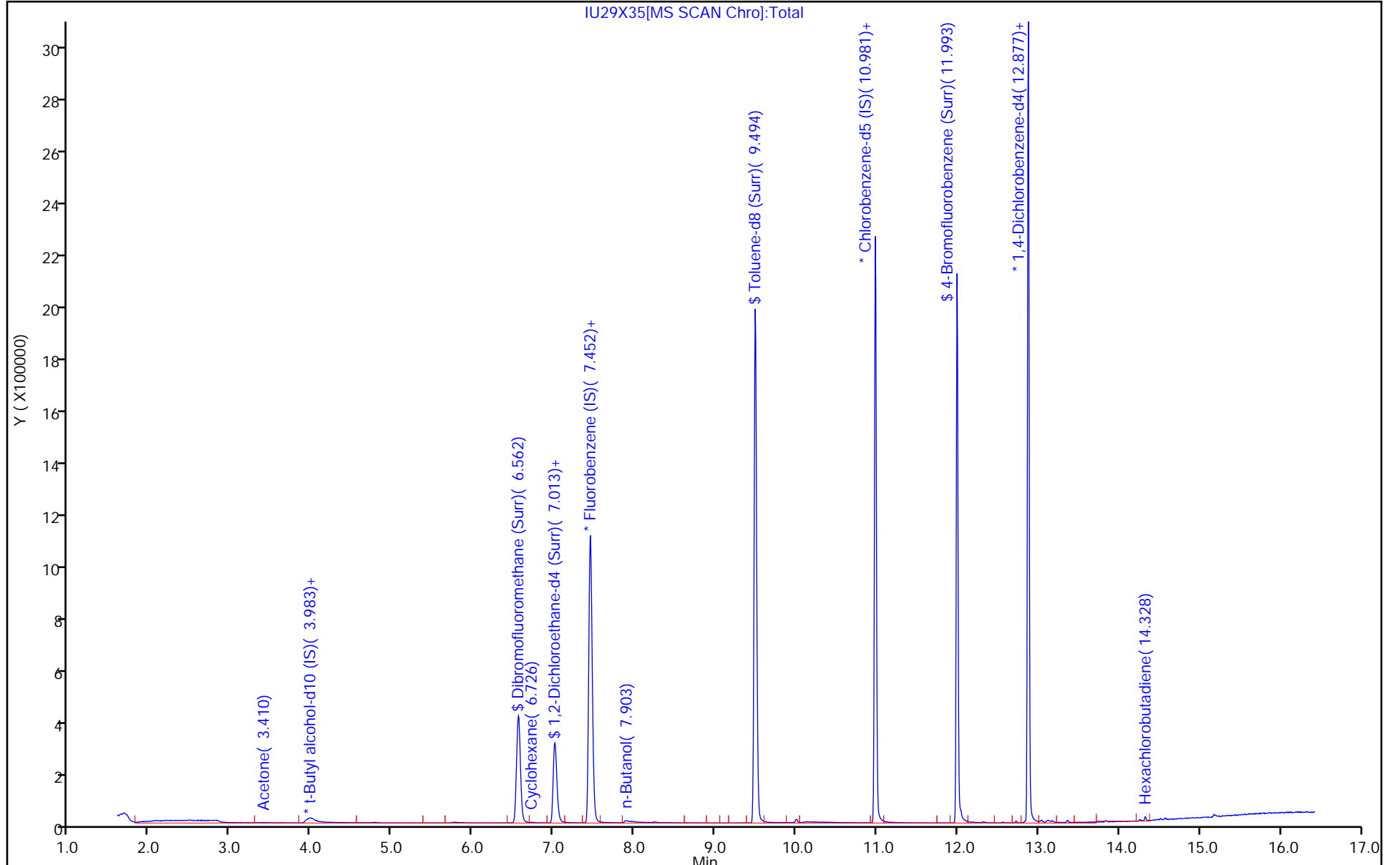
ALS Bottle#: 5

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
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X35.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 29-Jun-2023 23:21:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0087928-006
 Misc. Info.: MB
 Operator ID: gaw91131 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 30-Jun-2023 00:38:36 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: JS6E Date: 29-Jun-2023 23:51:07

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	9.98	99.80
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.0	100.18
\$ 78 Toluene-d8 (Surr)	10.0	9.76	97.62
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.86	98.62

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

SDG No.:

Client Sample ID:

Lab Sample ID: MB 410-393012/7

Matrix: Water

Lab File ID: IL02X06.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 07/02/2023 13:27

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 393012

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	1.15	J	5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	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.: 410-131835-1

SDG No.:

Client Sample ID:

Lab Sample ID: MB 410-393012/7

Matrix: Water

Lab File ID: IL02X06.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 07/02/2023 13:27

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 393012

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)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		80-120
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X06.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 02-Jul-2023 13:27:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088040-007
 Misc. Info.: MB
 Operator ID: knk41612 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 02-Jul-2023 13:52:23 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: DVW2 Date: 02-Jul-2023 13:52:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85		1.861					ND	
2 Chlorodifluoromethane	51		1.867					ND	
3 Dimethyl ether	45		1.922					ND	
4 Chloromethane	50		2.050					ND	
5 Vinyl chloride	62		2.160					ND	
6 Butadiene	39		2.160					ND	7
7 Bromomethane	94		2.471					ND	
8 Chloroethane	64		2.544					ND	
9 Dichlorofluoromethane	67		2.776					ND	7
10 Trichlorofluoromethane	101		2.830					ND	
11 Ethyl ether	59		3.050					ND	
13 1,2-Dichloro-1,1,2-trifluoroethane	67		3.147					ND	
14 Acrolein	56		3.208					ND	
15 1,1-Dichloroethene	96		3.349					ND	
16 Acetone	43	3.373	3.367	0.006	65	7597		1.15	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.397					ND	
18 Iodomethane	142		3.531					ND	
19 Ethyl bromide	108		3.556					ND	
20 Carbon disulfide	76		3.635					ND	7
23 Methyl acetate	43		3.775					ND	7
21 Acetonitrile	41		3.788					ND	
24 3-Chloro-1-propene	41		3.794					ND	
25 Methylene Chloride	84		3.970					ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.989	3.983	0.006	22	138515	50.0	50.0	
27 2-Methyl-2-propanol	59		4.098					ND	
28 Acrylonitrile	53		4.287					ND	
29 Methyl tert-butyl ether	73		4.361					ND	
30 trans-1,2-Dichloroethene	96		4.367					ND	
31 Hexane	57		4.787					ND	7
33 Vinyl acetate	43		4.989					ND	
32 1,1-Dichloroethane	63		5.025					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		5.086					ND	
36 2-Chloro-1,3-butadiene	53		5.135					ND	
37 Tert-butyl ethyl ether	59		5.629					ND	
38 2-Butanone (MEK)	43		5.824					ND	
39 cis-1,2-Dichloroethene	96		5.866					ND	
40 2,2-Dichloropropane	77		5.879					ND	
42 Ethyl acetate	43		5.891					ND	
43 Propionitrile	54		5.903					ND	
45 Methacrylonitrile	67		6.122					ND	
S 41 1,2-Dichloroethene, Total	100		6.155					ND	7
46 Chlorobromomethane	128		6.196					ND	
47 Tetrahydrofuran	71		6.208					ND	
44 Methyl acrylate	55		6.220					ND	
48 Chloroform	83		6.348					ND	
\$ 49 Dibromofluoromethane (Surr)	113	6.561	6.567	-0.006	94	446289	10.0	9.93	
50 1,1,1-Trichloroethane	97		6.574					ND	
51 Cyclohexane	56		6.677					ND	7
53 1,1-Dichloropropene	75		6.787					ND	
54 Carbon tetrachloride	117		6.787					ND	
55 Isobutyl alcohol	41		6.952					ND	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.006	7.013	-0.007	62	87260	10.0	9.79	
52 1-Chlorobutane	56		7.019					ND	
57 Benzene	78		7.049					ND	
58 1,2-Dichloroethane	62		7.122					ND	
59 Isopropyl acetate	43		7.128					ND	
60 Tert-amyl methyl ether	73		7.244					ND	
* 61 Fluorobenzene (IS)	96	7.451	7.458	-0.007	99	1750114	10.0	10.0	
62 n-Heptane	43		7.476					ND	U
63 n-Butanol	56	7.927	7.836	0.091	88	18620		25.9	
64 Trichloroethene	95		7.939					ND	
65 Methylcyclohexane	83		8.250					ND	7
66 1,2-Dichloropropane	63		8.268					ND	
67 Methyl methacrylate	69		8.360					ND	
68 1,4-Dioxane	88		8.366					ND	
69 Dibromomethane	93		8.384					ND	
70 n-Propyl acetate	43		8.445					ND	
71 Dichlorobromomethane	83		8.616					ND	
72 2-Nitropropane	41		8.884					ND	
73 2-Chloroethyl vinyl ether	63		9.006					ND	
75 1-Bromo-2-chloroethane	63		9.012					ND	
76 cis-1,3-Dichloropropene	75		9.177					ND	
74 Chloroacetonitrile	75		9.226					ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.354					ND	
\$ 78 Toluene-d8 (Surr)	98	9.494	9.494	0.000	92	1773367	10.0	9.72	
79 Toluene	92		9.573					ND	
97 trans-1,3-Dichloropropene	75		9.841					ND	
99 Ethyl methacrylate	69		9.908					ND	
100 1,1,2-Trichloroethane	97		10.049					ND	
S 98 1,3-Dichloropropene, Total	100		10.060					ND	7
101 Tetrachloroethene	166		10.140					ND	
102 1,3-Dichloropropane	76		10.213					ND	
103 2-Hexanone	43		10.268					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		10.408					ND	
105 Chlorodibromomethane	129		10.433					ND	
106 Ethylene Dibromide	107		10.542					ND	
* 107 Chlorobenzene-d5 (IS)	117	10.981	10.981	0.000	84	1419264	10.0	10.0	
108 1-Chlorohexane	91		10.993					ND	7
109 Chlorobenzene	112		11.006					ND	
111 1,1,1,2-Tetrachloroethane	131		11.091					ND	
112 Ethylbenzene	91		11.097					ND	
113 m-Xylene & p-Xylene	106		11.213					ND	
S 110 Xylenes, Total	106		11.245					ND	7
114 o-Xylene	106		11.542					ND	
115 Styrene	104		11.560					ND	
116 Bromoform	173		11.719					ND	
117 Isopropylbenzene	105		11.847					ND	
118 cis-1,4-Dichloro-2-butene	88		11.902					ND	
119 Cyclohexanone	55		11.938					ND	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.993	11.993	0.000	96	683400	10.0	9.94	
121 1,1,2,2-Tetrachloroethane	83		12.097					ND	
122 Bromobenzene	156		12.109					ND	
123 trans-1,4-Dichloro-2-butene	53		12.121					ND	
124 1,2,3-Trichloropropane	110		12.140					ND	
125 N-Propylbenzene	91		12.176					ND	
126 2-Chlorotoluene	126		12.255					ND	
127 1,3,5-Trimethylbenzene	105		12.316					ND	
128 4-Chlorotoluene	126		12.347					ND	
129 tert-Butylbenzene	134		12.554					ND	
130 Pentachloroethane	167		12.591					ND	
131 1,2,4-Trimethylbenzene	105		12.597					ND	
132 sec-Butylbenzene	105		12.719					ND	7
133 1,3-Dichlorobenzene	146		12.816					ND	
134 4-Isopropyltoluene	119		12.828					ND	7
* 135 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	93	880091	10.0	10.0	
136 1,4-Dichlorobenzene	146		12.896					ND	7
137 1,2,3-Trimethylbenzene	120		12.902					ND	7
138 Benzyl chloride	126		12.969					ND	
139 n-Butylbenzene	92		13.121					ND	7
140 1,2-Dichlorobenzene	146		13.152					ND	
141 Hexachloroethane	117		13.542					ND	
142 1,2-Dibromo-3-Chloropropane	155		13.694					ND	
143 1,3,5-Trichlorobenzene	180		13.822					ND	7
144 1,2,4-Trichlorobenzene	180	14.255	14.243	0.012	90	2710		0.0304	
145 Hexachlorobutadiene	225	14.322	14.322	0.000	91	2478		0.0570	
146 Naphthalene	128		14.420					ND	7
147 1,2,3-Trichlorobenzene	180	14.572	14.560	0.012	95	3113		0.0417	
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

Review Flags

U - Marked Undetected

Reagents:

MSV_LLcentISS_00007

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X06.D

Injection Date: 02-Jul-2023 13:27:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

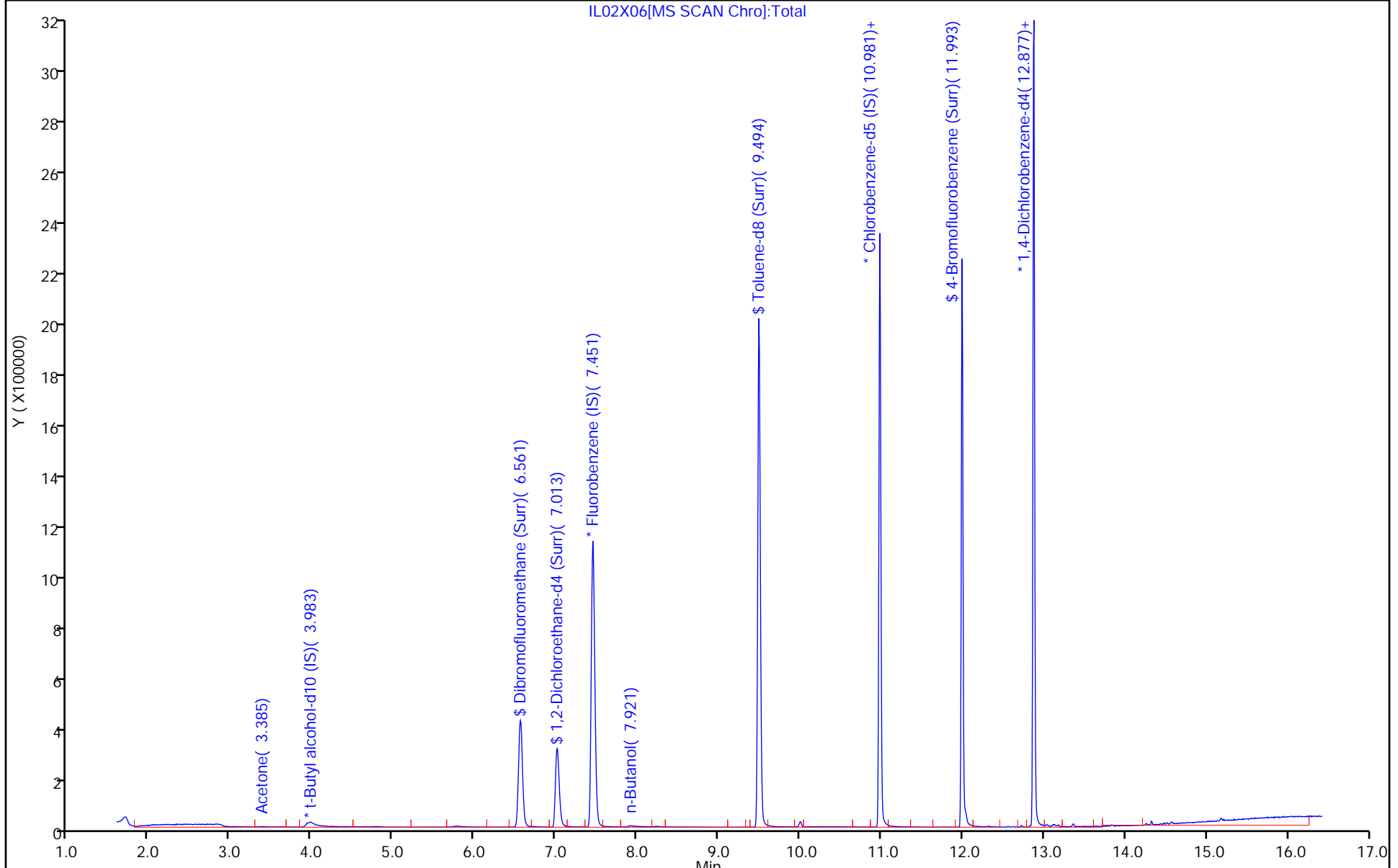
ALS Bottle#: 6

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\20230702-88040.b\IL02X06.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 02-Jul-2023 13:27:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088040-007
 Misc. Info.: MB
 Operator ID: knk41612 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 02-Jul-2023 13:52:23 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: DVW2 Date: 02-Jul-2023 13:52:23

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	9.93	99.28
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	9.79	97.90
\$ 78 Toluene-d8 (Surr)	10.0	9.72	97.19
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.94	99.39

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\ILO2X06.D

Injection Date: 02-Jul-2023 13:27:30

Instrument ID: 19930

Lims ID: MB

Client ID:

Operator ID: knk41612

ALS Bottle#: 6

Worklist Smp#: 7

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

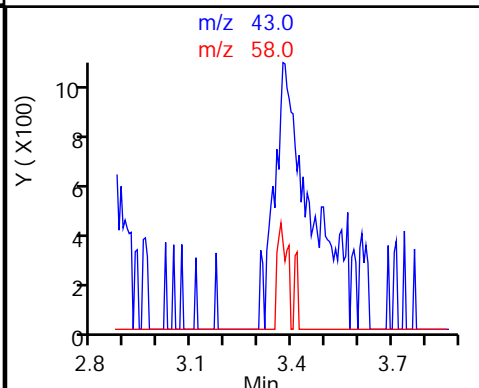
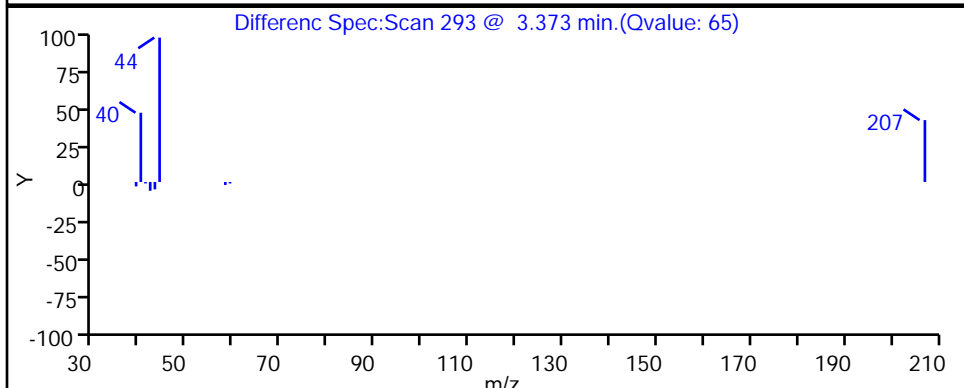
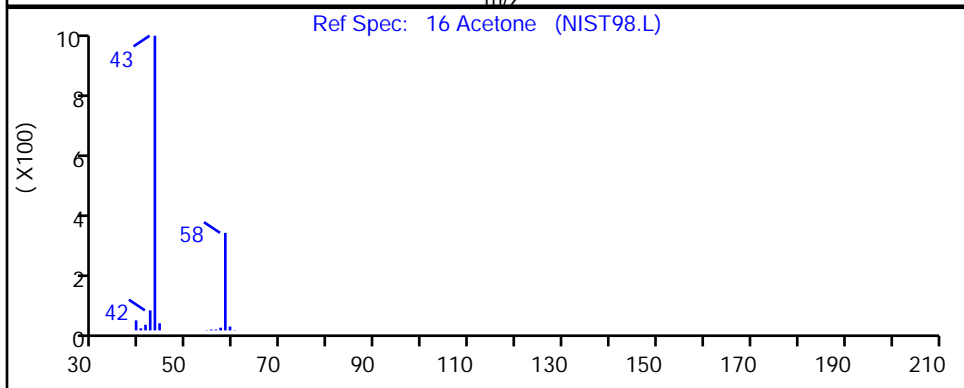
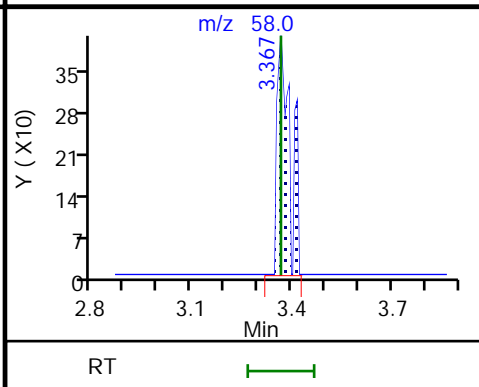
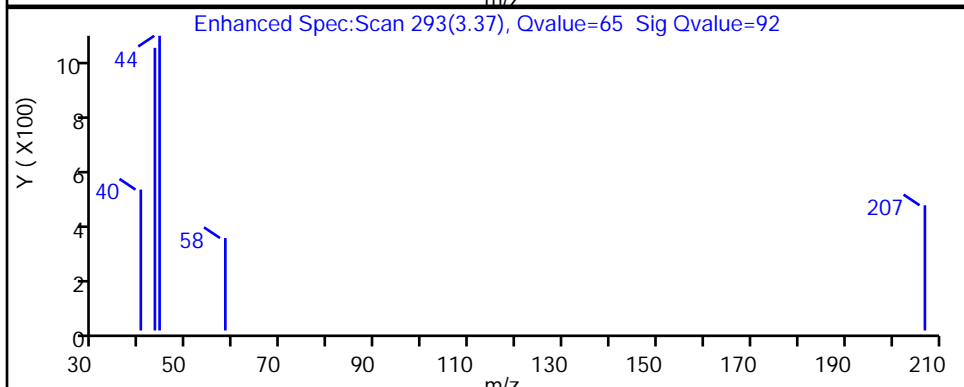
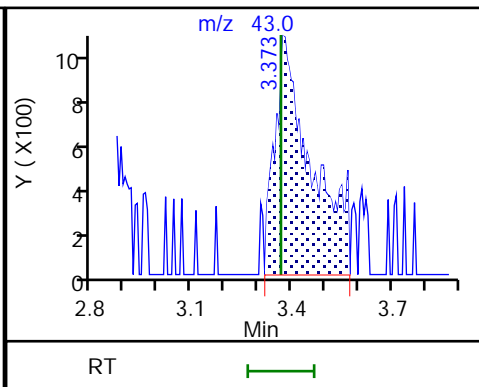
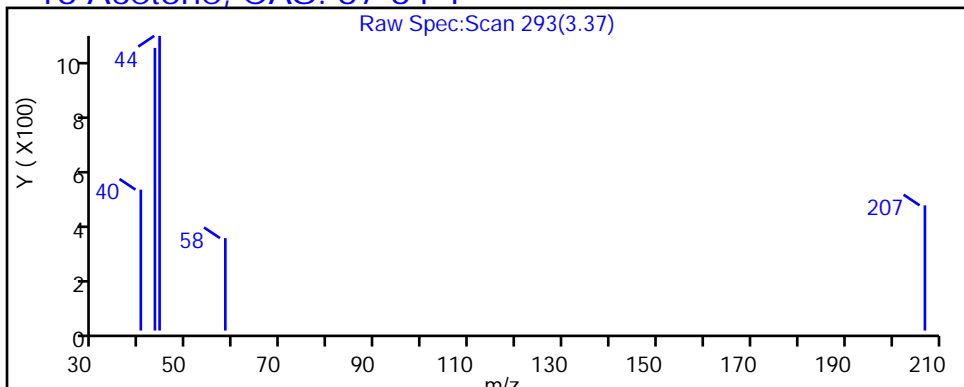
Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

16 Acetone, CAS: 67-64-1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

SDG No.:

Client Sample ID:

Lab Sample ID: MB 410-393586/6

Matrix: Water

Lab File ID: GL05X05.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 07/05/2023 11:05

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.: 393586

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-131835-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 410-393586/6

Matrix: Water Lab File ID: GL05X05.D

Analysis Method: 8260D Date Collected: _____

Sample wt/vol: 25 (mL) Date Analyzed: 07/05/2023 11:05

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.: 393586 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)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\GL05X05.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 05-Jul-2023 11:05:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088183-006
 Misc. Info.: MB
 Operator ID: knk41612 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Jul-2023 06:56:03 Calib Date: 13-Jun-2023 02:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1617

First Level Reviewer: DVW2 Date: 05-Jul-2023 11:35:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		1.861					ND	
2 Dichlorodifluoromethane	85		1.904					ND	
3 Chlorodifluoromethane	51		1.916					ND	
4 Dimethyl ether	45		1.983					ND	7
5 Chloromethane	50		2.093					ND	
6 Vinyl chloride	62		2.202					ND	
7 Butadiene	39		2.209					ND	7
8 2-Chloro-1,1,1-Trifluoroethane	118		2.288					ND	
9 Bromomethane	94		2.526					ND	
10 Chloroethane	64		2.605					ND	
11 Dichlorofluoromethane	67		2.837					ND	7
12 Trichlorofluoromethane	101		2.897					ND	
13 Ethyl ether	59		3.123					ND	
14 Ethanol	45		3.190					ND	
16 1,2-Dichloro-1,1,2-trifluoroetha	67		3.221					ND	
17 Acrolein	56		3.288					ND	7
18 1,1-Dichloroethene	96		3.422					ND	7
19 Acetone	43	3.471	3.452	0.019	55	6824		0.6762	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.464					ND	
21 Isopropyl alcohol	45		3.605					ND	U
22 Iodomethane	142		3.611					ND	
23 Ethyl bromide	108		3.635					ND	
24 Carbon disulfide	76		3.714					ND	MU
25 Methyl acetate	43		3.849					ND	7
26 Acetonitrile	41		3.855					ND	
27 3-Chloro-1-propene	41		3.879					ND	
29 Methylene Chloride	84		4.056					ND	
* 30 t-Butyl alcohol-d10 (IS)	65	4.086	4.086	0.000	26	234516	50.0	50.0	
31 2-Methyl-2-propanol	59		4.214					ND	7
32 Acrylonitrile	53		4.391					ND	
33 Methyl tert-butyl ether	73		4.452					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 trans-1,2-Dichloroethene	96		4.452					ND	
35 Hexane	57		4.885					ND	
36 Vinyl acetate	43		5.104					ND	
37 1,1-Dichloroethane	63		5.117					ND	
38 Isopropyl ether	45		5.190					ND	
39 2-Chloro-1,3-butadiene	53		5.226					ND	
40 Tert-butyl ethyl ether	59		5.726					ND	
41 2-Butanone (MEK)	43		5.927					ND	
42 cis-1,2-Dichloroethene	96		5.958					ND	
43 2,2-Dichloropropane	77		5.970					ND	
44 Ethyl acetate	43		5.994					ND	7
45 Propionitrile	54		6.025					ND	
46 Methyl acrylate	55		6.141					ND	
S 47 1,2-Dichloroethene, Total	100		6.155					ND	7
48 Methacrylonitrile	67		6.238					ND	
49 Chlorobromomethane	128		6.287					ND	
50 Tetrahydrofuran	71		6.311					ND	
51 Chloroform	83		6.439					ND	
\$ 52 Dibromofluoromethane (Surr)	113	6.659	6.659	0.000	94	685703	10.0	10.2	
53 1,1,1-Trichloroethane	97		6.671					ND	
54 Cyclohexane	56		6.769					ND	7
55 Carbon tetrachloride	117		6.878					ND	
56 1,1-Dichloropropene	75		6.885					ND	
57 1-Chlorobutane	56	6.818	6.940	-0.122	1	150		NC	
58 Isobutyl alcohol	41		7.061					ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.104	7.116	-0.012	65	143076	10.0	10.1	
60 Benzene	78		7.147					ND	7
61 1,2-Dichloroethane	62		7.214					ND	
62 Isopropyl acetate	43		7.232					ND	
63 Tert-amyl methyl ether	73		7.348					ND	
* 64 Fluorobenzene (IS)	96	7.549	7.555	-0.006	99	2817258	10.0	10.0	
65 n-Heptane	43		7.567					ND	7
66 t-Amyl alcohol	73		7.842					ND	
67 n-Butanol	56		7.951					ND	
68 Trichloroethene	95		8.031					ND	
69 Methylcyclohexane	83		8.342					ND	
70 1,2-Dichloropropane	63		8.366					ND	
71 2-ethoxy-2-methyl butane	87		8.384					ND	
72 Methyl methacrylate	69		8.457					ND	
74 Dibromomethane	93		8.476					ND	
73 1,4-Dioxane	88		8.482					ND	
75 n-Propyl acetate	61		8.537					ND	
76 Dichlorobromomethane	83		8.713					ND	
77 2-Nitropropane	41		8.988					ND	
78 2-Chloroethyl vinyl ether	63		9.079					ND	
79 1-Bromo-2-chloroethane	63		9.104					ND	
80 Chloroacetonitrile	75		9.189					ND	
81 cis-1,3-Dichloropropene	75		9.268					ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.457					ND	7
\$ 83 Toluene-d8 (Surr)	98	9.585	9.585	0.000	93	2762484	10.0	9.89	
84 Toluene	92		9.664					ND	7
85 trans-1,3-Dichloropropene	75		9.927					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 Ethyl methacrylate	69		9.994					ND	
S 106 1,3-Dichloropropene, Total	100		10.060					ND	7
107 1,1,2-Trichloroethane	97		10.134					ND	
108 Tetrachloroethene	166		10.219					ND	
109 1,3-Dichloropropane	76		10.298					ND	
110 2-Hexanone	43		10.359					ND	
111 n-Butyl acetate	43		10.481					ND	
112 Chlorodibromomethane	129		10.512					ND	
113 Ethylene Dibromide	107		10.622					ND	
* 114 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	85	2159155	10.0	10.0	
115 1-Chlorohexane	91		11.073					ND	7
116 Chlorobenzene	112		11.085					ND	7
117 1,1,1,2-Tetrachloroethane	131		11.170					ND	
118 Ethylbenzene	91		11.176					ND	
S 119 Xylenes, Total	106		11.245					ND	7
120 m-Xylene & p-Xylene	106		11.292					ND	
121 o-Xylene	106		11.621					ND	
122 Styrene	104		11.634					ND	
123 Bromoform	173		11.792					ND	
124 Isopropylbenzene	105		11.920					ND	
125 cis-1,4-Dichloro-2-butene	88		11.975					ND	
126 Cyclohexanone	55		12.011					ND	U
\$ 127 4-Bromofluorobenzene (Surr)	95	12.067	12.060	0.007	93	1009496	10.0	9.36	
128 1,1,2,2-Tetrachloroethane	83		12.164					ND	
129 Bromobenzene	156		12.182					ND	
130 trans-1,4-Dichloro-2-butene	53		12.194					ND	
131 1,2,3-Trichloropropane	110		12.213					ND	
132 N-Propylbenzene	91		12.249					ND	
133 2-Chlorotoluene	126		12.322					ND	
134 1,3,5-Trimethylbenzene	105		12.383					ND	
135 4-Chlorotoluene	126		12.420					ND	
136 tert-Butylbenzene	134		12.627					ND	
137 Pentachloroethane	167		12.658					ND	
138 1,2,4-Trimethylbenzene	105		12.670					ND	
139 sec-Butylbenzene	105		12.792					ND	
140 1,3-Dichlorobenzene	146		12.889					ND	7
141 4-Isopropyltoluene	119		12.896					ND	7
* 142 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	94	1197611	10.0	10.0	
143 1,4-Dichlorobenzene	146		12.963					ND	7
144 1,2,3-Trimethylbenzene	120		12.975					ND	7
145 Benzyl chloride	126		13.036					ND	7
146 p-Diethylbenzene	119		13.097					ND	U
147 n-Butylbenzene	92		13.188					ND	
148 1,2-Dichlorobenzene	146		13.219					ND	
149 Hexachloroethane	201		13.499					ND	
150 1,2-Dibromo-3-Chloropropane	155		13.761					ND	
151 1,3,5-Trichlorobenzene	180		13.883					ND	7
152 1,2,4-Trichlorobenzene	180		14.304					ND	
153 Hexachlorobutadiene	225		14.383					ND	7
154 Naphthalene	128		14.481					ND	7
155 1,2,3-Trichlorobenzene	180		14.621					ND	
156 2-Methylnaphthalene	142	15.273	15.230	0.043	81	4099		0.0326	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
157 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
158 1-Chloropropane	1		0.000					ND	
159 1-Bromo-3-Chloropropane	1		0.000					ND	
160 Propene oxide	1		0.000					ND	
161 n-Decane	57		0.000					ND	
162 Methylal	1		0.000					ND	
163 tert-Butyl Formate	1		0.000					ND	
164 1,1-Dichloroacetone	1		0.000					ND	
165 Dodecane	57		0.000					ND	
166 2-Bromo-1-chloropropane	1		0.000					ND	
167 Pentane	43	2.904	2.922	-0.018	17	1225			NR

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

MSV_29_826ISS_00048

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\GL05X05.D

Injection Date: 05-Jul-2023 11:05:30

Instrument ID: 16334

Operator ID: knk41612

Lims ID: MB

Worklist Smp#: 6

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

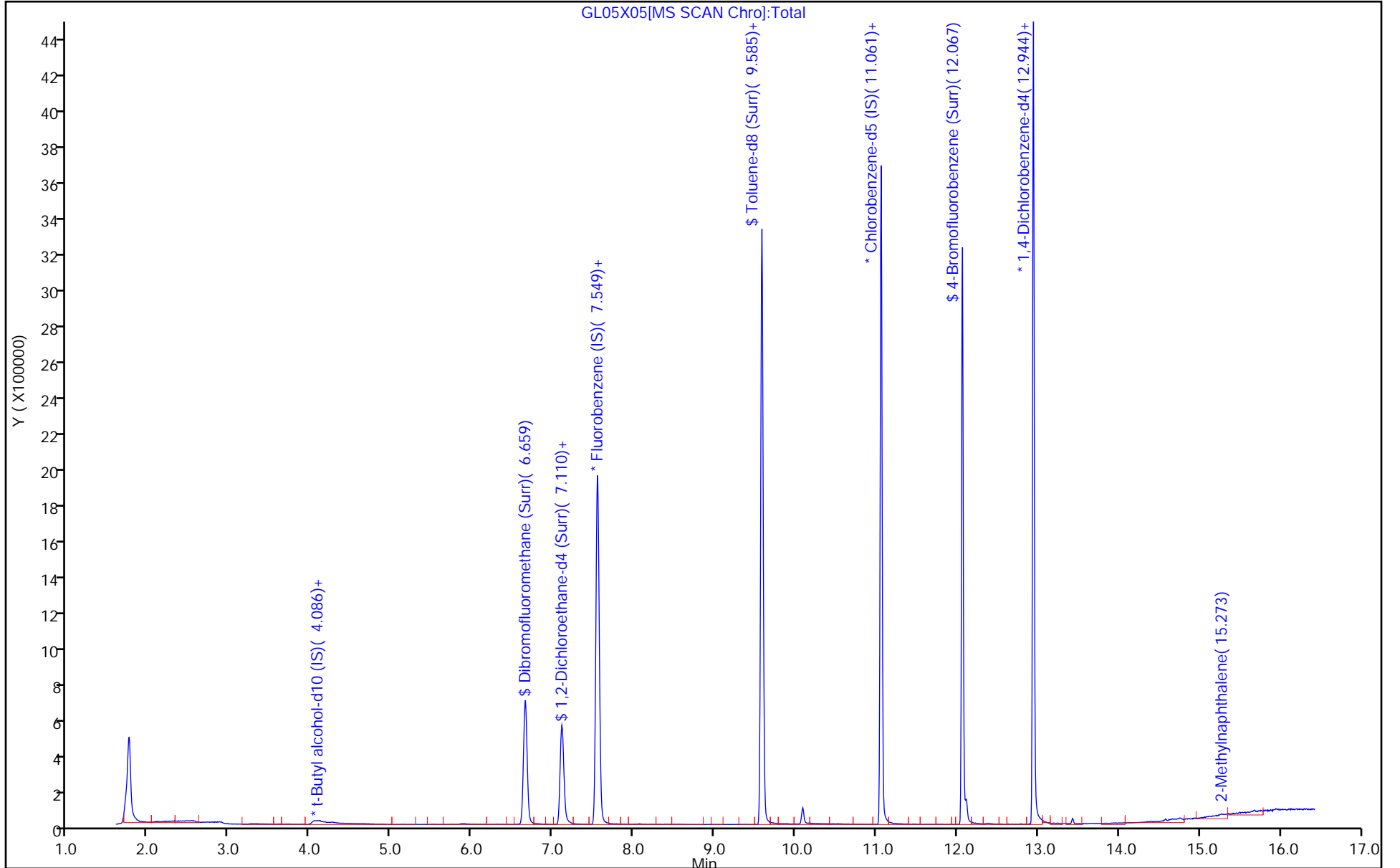
ALS Bottle#: 5

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\GL05X05.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 05-Jul-2023 11:05:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088183-006
 Misc. Info.: MB
 Operator ID: knk41612 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Jul-2023 06:56:03 Calib Date: 13-Jun-2023 02:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1617

First Level Reviewer: DVW2 Date: 05-Jul-2023 11:35:37

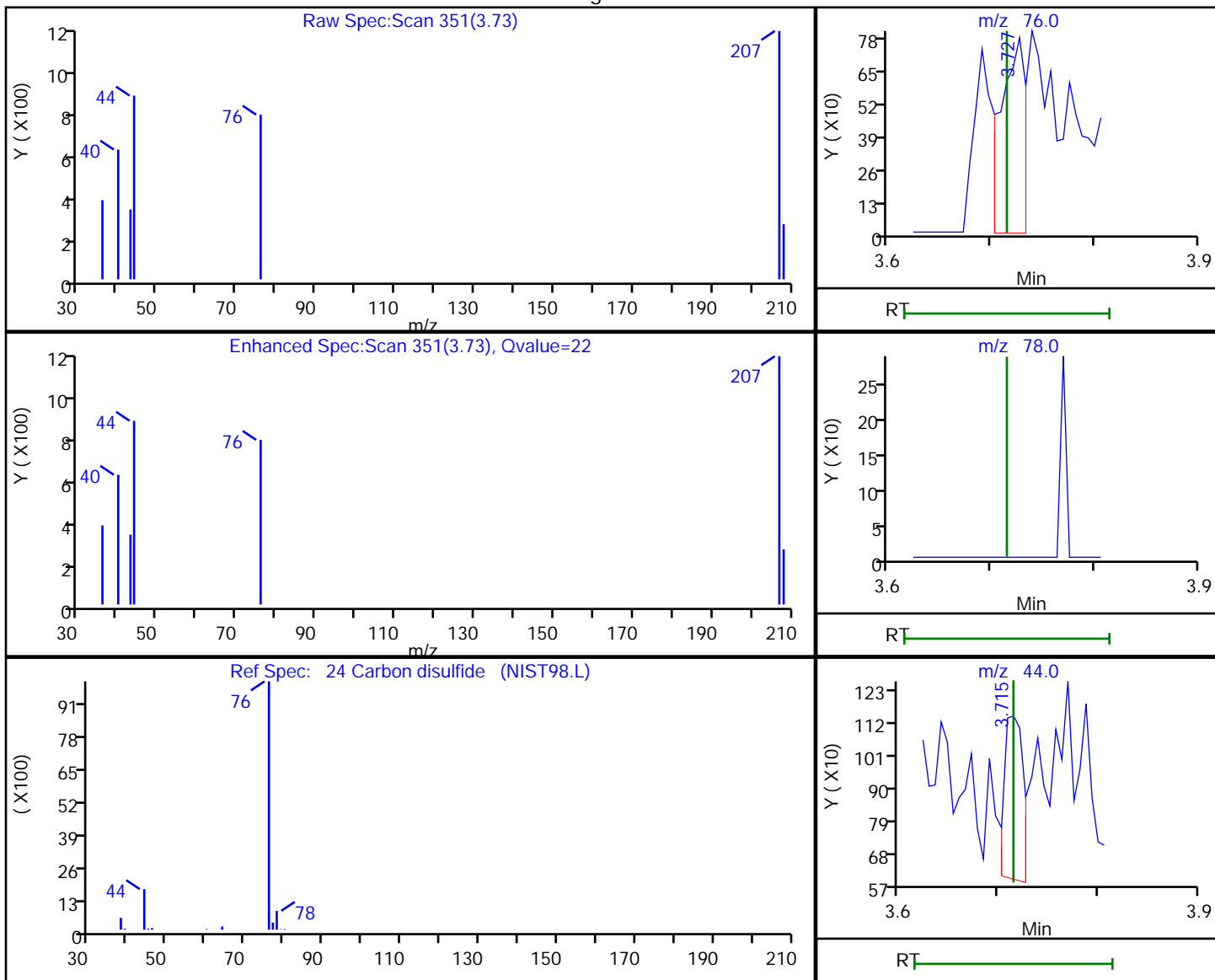
Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.2	101.73
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	101.10
\$ 83 Toluene-d8 (Surr)	10.0	9.89	98.89
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.36	93.57

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\GL05X05.D
Injection Date: 05-Jul-2023 11:05:30 Instrument ID: 16334
Lims ID: MB
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
3.73	76.00	1304	0.006122
3.71	44.00	757	
3.71	78.00	0	

Reviewer: DVW2, 05-Jul-2023 11:35:33 -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
Environment Testing, LLC

Job No.: 410-131835-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-392483/4

Matrix: Water

Lab File ID: IU29X33.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 06/29/2023 22:39

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.: 392483

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	4.67		0.50	0.070
71-55-6	1,1,1-Trichloroethane	4.58		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	4.38		0.50	0.10
79-00-5	1,1,2-Trichloroethane	4.54		0.50	0.080
75-34-3	1,1-Dichloroethane	4.67		0.50	0.10
75-35-4	1,1-Dichloroethene	4.64		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	4.63		0.50	0.080
107-06-2	1,2-Dichloroethane	4.48		0.50	0.070
78-87-5	1,2-Dichloropropane	4.86		0.50	0.10
78-93-3	2-Butanone (MEK)	51.1		5.0	1.0
591-78-6	2-Hexanone	49.7		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	49.8		5.0	1.0
67-64-1	Acetone	48.8		5.0	1.0
71-43-2	Benzene	4.87		0.50	0.10
74-97-5	Bromochloromethane	4.78		0.50	0.080
75-27-4	Bromodichloromethane	4.55		0.50	0.080
75-25-2	Bromoform	4.02		1.0	0.30
74-83-9	Bromomethane	3.61		0.50	0.10
75-15-0	Carbon disulfide	4.43		1.0	0.10
56-23-5	Carbon tetrachloride	4.59		0.50	0.10
108-90-7	Chlorobenzene	4.57		0.50	0.070
75-00-3	Chloroethane	3.99		0.50	0.10
67-66-3	Chloroform	4.63		0.50	0.090
74-87-3	Chloromethane	3.61		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	4.81		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.49		0.50	0.10
124-48-1	Dibromochloromethane	4.33		0.50	0.080
100-41-4	Ethylbenzene	4.63		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.56		0.50	0.080
75-09-2	Methylene Chloride	4.79		0.50	0.20
100-42-5	Styrene	4.61		0.50	0.070
127-18-4	Tetrachloroethene	4.46		0.50	0.20
108-88-3	Toluene	4.69		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-392483/4

Matrix: Water

Lab File ID: IU29X33.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 06/29/2023 22:39

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.: 392483

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	4.61		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	4.44		0.50	0.080
79-01-6	Trichloroethene	4.63		0.50	0.080
75-01-4	Vinyl chloride	3.71		0.50	0.10
1330-20-7	Xylenes, Total	14.0		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)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		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\20230629-87928.b\IU29X33.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 29-Jun-2023 22:39:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0087928-004
 Misc. Info.: LCS
 Operator ID: gaw91131 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 30-Jun-2023 00:38:36 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: JS6E

Date: 29-Jun-2023 23:01:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.849	1.855	-0.006	99	246597	5.00	3.14	
4 Chloromethane	50	2.044	2.038	0.006	99	287483	5.00	3.61	
5 Vinyl chloride	62	2.148	2.148	0.000	97	283105	5.00	3.71	
6 Butadiene	39	2.154	2.148	0.006	90	357265	5.00	4.48	
7 Bromomethane	94	2.465	2.459	0.006	90	214578	5.00	3.61	
8 Chloroethane	64	2.538	2.532	0.006	100	181928	5.00	3.99	
9 Dichlorofluoromethane	67	2.763	2.757	0.006	97	460037	5.00	3.61	
10 Trichlorofluoromethane	101	2.824	2.824	0.000	94	351624	5.00	3.62	
11 Ethyl ether	59	3.044	3.044	0.000	89	154433	5.01	3.85	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.135	3.135	0.000	89	292602	5.00	4.23	
15 1,1-Dichloroethene	96	3.336	3.330	0.006	97	243817	5.00	4.64	
16 Acetone	43	3.361	3.361	0.000	100	395359	62.5	48.8	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.379	3.379	0.000	90	253345	5.00	4.54	
18 Iodomethane	142	3.519	3.519	0.000	98	491503	5.00	4.45	
20 Carbon disulfide	76	3.629	3.623	0.006	98	630744	5.00	4.43	
23 Methyl acetate	43	3.757	3.751	0.006	96	90136	5.00	4.51	M
24 3-Chloro-1-propene	41	3.781	3.775	0.006	92	360693	5.00	4.42	
25 Methylene Chloride	84	3.958	3.958	0.000	89	265712	5.00	4.79	
* 26 t-Butyl alcohol-d10 (IS)	65	3.977	3.971	0.005	96	169491	50.0	50.0	M
27 2-Methyl-2-propanol	59	4.086	4.092	-0.006	100	139494	50.0	43.3	
28 Acrylonitrile	53	4.275	4.275	0.000	99	238390	25.0	24.2	
29 Methyl tert-butyl ether	73	4.348	4.342	0.006	88	657495	5.00	4.56	
30 trans-1,2-Dichloroethene	96	4.354	4.355	-0.001	98	269624	5.00	4.61	
31 Hexane	57	4.781	4.781	0.000	90	340840	5.00	4.45	
32 1,1-Dichloroethane	63	5.019	5.013	0.006	96	467425	5.00	4.67	
35 Isopropyl ether	45	5.080	5.080	0.000	93	758990	5.00	4.61	
36 2-Chloro-1,3-butadiene	53	5.129	5.123	0.006	89	380592	5.00	4.54	
37 Tert-butyl ethyl ether	59	5.623	5.617	0.006	97	755018	5.00	4.81	
38 2-Butanone (MEK)	43	5.818	5.812	0.006	99	798449	62.5	51.1	
39 cis-1,2-Dichloroethene	96	5.854	5.854	0.000	80	313097	5.00	4.81	
40 2,2-Dichloropropane	77	5.866	5.867	-0.001	84	432956	5.00	4.80	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
43 Propionitrile	54	5.915	5.897	0.018	98	145254	37.5	35.2	
45 Methacrylonitrile	67	6.122	6.116	0.006	91	505219	37.5	31.0	
46 Chlorobromomethane	128	6.189	6.190	-0.001	88	141426	5.00	4.78	
47 Tetrahydrofuran	71	6.202	6.196	0.006	79	104724	25.0	20.4	
48 Chloroform	83	6.348	6.342	0.006	93	479005	5.00	4.63	
\$ 49 Dibromofluoromethane (Surr)	113	6.561	6.555	0.006	95	499935	10.0	9.94	
50 1,1,1-Trichloroethane	97	6.567	6.568	-0.001	96	443021	5.00	4.58	
51 Cyclohexane	56	6.671	6.671	0.000	88	420907	5.00	4.60	
53 1,1-Dichloropropene	75	6.787	6.781	0.006	96	371544	5.00	4.83	
54 Carbon tetrachloride	117	6.787	6.781	0.006	93	395356	5.00	4.59	
55 Isobutyl alcohol	41	6.952	6.939	0.013	95	119036	125.0	103.9	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.013	7.007	0.005	91	102567	10.0	10.3	
57 Benzene	78	7.043	7.043	0.000	96	1126443	5.00	4.87	
58 1,2-Dichloroethane	62	7.116	7.110	0.006	97	280990	5.00	4.48	
60 Tert-amyl methyl ether	73	7.244	7.244	0.000	99	728178	5.00	5.01	
* 61 Fluorobenzene (IS)	96	7.451	7.452	-0.001	99	1958992	10.0	10.0	
62 n-Heptane	43	7.470	7.470	0.000	92	338182	5.00	4.60	
63 n-Butanol	56	7.842	7.836	0.006	86	258727	250.0	294.0	
64 Trichloroethene	95	7.933	7.933	0.000	95	297740	5.00	4.63	
65 Methylcyclohexane	83	8.244	8.244	0.000	91	481018	5.00	4.63	
66 1,2-Dichloropropane	63	8.262	8.262	0.000	97	277712	5.00	4.86	
67 Methyl methacrylate	69	8.360	8.360	0.000	87	129116	5.00	4.02	
68 1,4-Dioxane	88	8.366	8.366	0.000	30	29319	125.0	156.9	
69 Dibromomethane	93	8.378	8.372	0.006	91	137220	5.00	4.79	
71 Dichlorobromomethane	83	8.616	8.610	0.006	99	338572	5.00	4.55	
72 2-Nitropropane	41	8.878	8.878	0.000	98	34194	5.00	3.25	
75 1-Bromo-2-chloroethane	63	9.012	9.006	0.006	98	269337	5.00	4.62	
76 cis-1,3-Dichloropropene	75	9.177	9.171	0.006	97	400906	5.00	4.49	
77 4-Methyl-2-pentanone (MIBK)	43	9.354	9.354	0.000	95	2085746	62.5	49.8	
\$ 78 Toluene-d8 (Surr)	98	9.494	9.494	0.000	92	2014150	10.0	9.88	
79 Toluene	92	9.573	9.573	0.000	99	754034	5.00	4.69	
97 trans-1,3-Dichloropropene	75	9.841	9.841	0.000	91	337330	5.00	4.44	
99 Ethyl methacrylate	69	9.908	9.908	0.000	88	278398	5.00	4.43	
100 1,1,2-Trichloroethane	97	10.049	10.049	-0.001	89	206328	5.00	4.54	
101 Tetrachloroethene	166	10.140	10.140	0.000	97	374012	5.00	4.46	
102 1,3-Dichloropropane	76	10.213	10.213	0.000	88	335011	5.00	4.66	
103 2-Hexanone	43	10.274	10.268	0.006	95	1474954	62.5	49.7	
105 Chlorodibromomethane	129	10.433	10.433	0.000	90	256143	5.00	4.33	
106 Ethylene Dibromide	107	10.542	10.542	0.000	98	198392	5.00	4.63	
* 107 Chlorobenzene-d5 (IS)	117	10.981	10.981	0.000	84	1586465	10.0	10.0	
108 1-Chlorohexane	91	10.993	10.994	-0.001	95	405692	5.00	4.33	
109 Chlorobenzene	112	11.012	11.006	0.006	97	859776	5.00	4.57	
111 1,1,1,2-Tetrachloroethane	131	11.091	11.091	0.000	96	313443	5.00	4.67	
112 Ethylbenzene	91	11.097	11.097	0.000	98	1452653	5.00	4.63	
113 m-Xylene & p-Xylene	106	11.213	11.213	0.000	93	1186661	10.0	9.36	
114 o-Xylene	106	11.542	11.542	0.000	96	577913	5.00	4.61	
115 Styrene	104	11.560	11.561	-0.001	94	930046	5.00	4.61	
116 Bromoform	173	11.719	11.719	0.000	98	154314	5.00	4.02	
117 Isopropylbenzene	105	11.847	11.847	0.000	95	1529939	5.00	4.71	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.993	11.993	0.000	96	767186	10.0	9.98	
121 1,1,2,2-Tetrachloroethane	83	12.097	12.097	0.000	95	257385	5.00	4.38	
122 Bromobenzene	156	12.109	12.109	0.000	92	382220	5.00	4.50	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 trans-1,4-Dichloro-2-butene	53	12.121	12.121	0.000	91	194638	25.0	12.3	
124 1,2,3-Trichloropropane	110	12.140	12.140	0.000	82	71894	5.00	4.35	
125 N-Propylbenzene	91	12.176	12.176	0.000	98	1704212	5.00	4.53	
126 2-Chlorotoluene	126	12.255	12.256	-0.001	98	369407	5.00	4.50	
127 1,3,5-Trimethylbenzene	105	12.316	12.316	0.000	94	1279301	5.00	4.46	
128 4-Chlorotoluene	126	12.347	12.347	0.000	96	379344	5.00	4.51	
129 tert-Butylbenzene	134	12.554	12.554	0.000	91	283135	5.00	4.11	
131 1,2,4-Trimethylbenzene	105	12.603	12.597	0.006	97	1303724	5.00	4.43	
132 sec-Butylbenzene	105	12.719	12.719	0.000	94	1650567	5.00	4.53	
133 1,3-Dichlorobenzene	146	12.822	12.816	0.006	99	734812	5.00	4.42	
134 4-Isopropyltoluene	119	12.828	12.829	-0.001	97	1477797	5.00	4.55	
* 135 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	92	988031	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.896	12.896	0.000	96	749955	5.00	4.58	
137 1,2,3-Trimethylbenzene	120	12.902	12.902	0.000	98	582433	5.00	4.38	
138 Benzyl chloride	126	12.969	12.969	0.000	98	114309	5.00	4.52	
139 n-Butylbenzene	92	13.121	13.121	0.000	97	674496	5.00	4.63	
140 1,2-Dichlorobenzene	146	13.152	13.152	0.000	100	672754	5.00	4.31	
142 1,2-Dibromo-3-Chloropropane	155	13.694	13.694	0.000	92	40035	5.00	4.16	
143 1,3,5-Trichlorobenzene	180	13.822	13.822	0.000	98	563511	5.00	4.52	
144 1,2,4-Trichlorobenzene	180	14.243	14.243	0.000	94	466007	5.00	4.65	
145 Hexachlorobutadiene	225	14.322	14.322	0.000	95	227222	5.00	4.65	
146 Naphthalene	128	14.420	14.420	0.000	96	821879	5.00	4.51	
147 1,2,3-Trichlorobenzene	180	14.560	14.560	0.000	96	387982	5.00	4.62	
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_00116	Amount Added: 6.25	Units: uL	
MSV_QC_Gas826_00146	Amount Added: 6.25	Units: uL	
MSV_LCS_EE_00007	Amount Added: 6.25	Units: uL	
MSV_LLcentISS_00007	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X33.D

Injection Date: 29-Jun-2023 22:39:30

Instrument ID: 19930

Operator ID: gaw91131

Lims ID: LCS

Worklist Smp#: 4

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

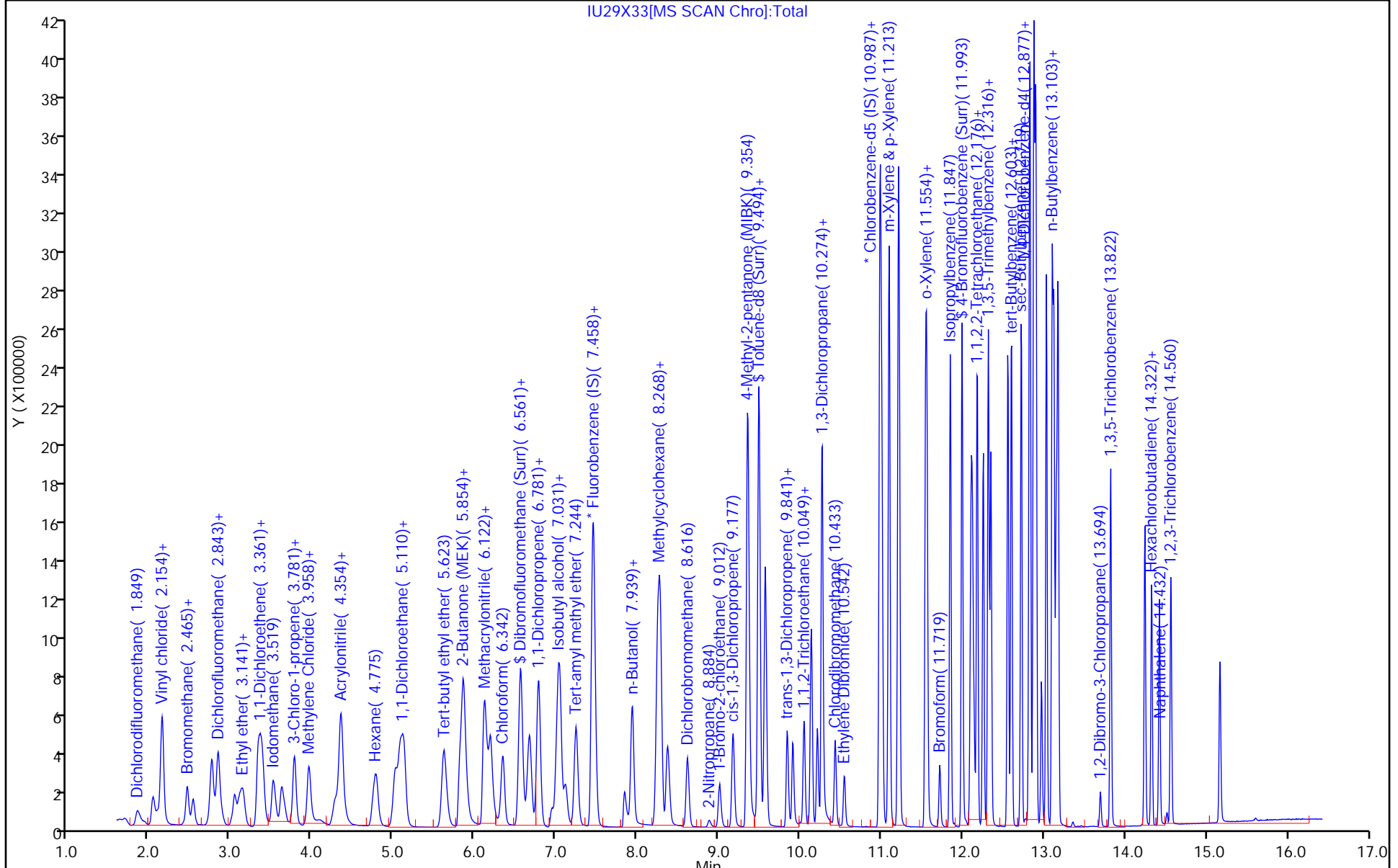
ALS Bottle#: 3

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\20230629-87928.b\IU29X33.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 29-Jun-2023 22:39:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0087928-004
 Misc. Info.: LCS
 Operator ID: gaw91131 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 30-Jun-2023 00:38:36 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1675

First Level Reviewer: JS6E

Date: 29-Jun-2023 23:01:29

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	9.94	99.36
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.3	102.80
\$ 78 Toluene-d8 (Surr)	10.0	9.88	98.75
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.98	99.82

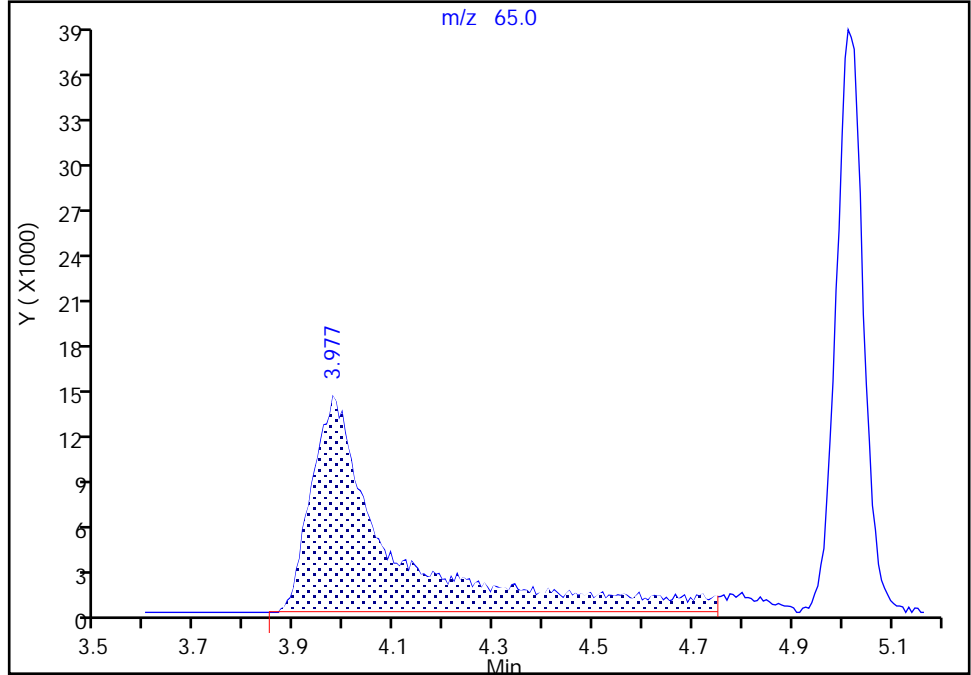
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X33.D
Injection Date: 29-Jun-2023 22:39:30 Instrument ID: 19930
Lims ID: LCS
Client ID:
Operator ID: gaw91131 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

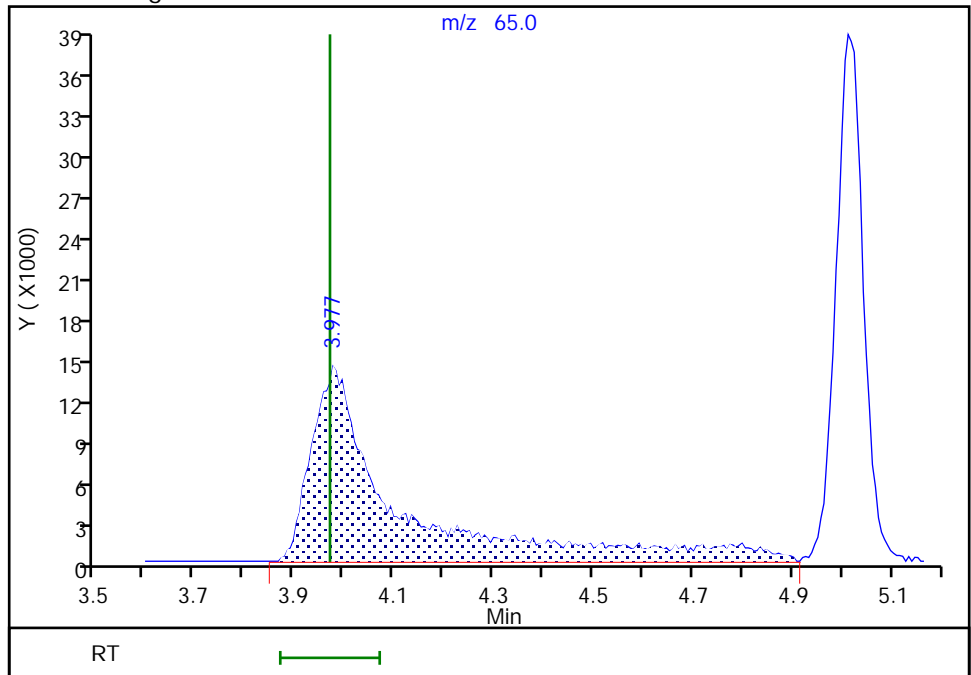
RT: 3.98
Area: 162027
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 3.98
Area: 169491
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 29-Jun-2023 23:01:01 -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.: 410-131835-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-393012/4

Matrix: Water

Lab File ID: IL02X03.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 07/02/2023 12:25

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 393012

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	5.18		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.05		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.01		0.50	0.080
75-34-3	1,1-Dichloroethane	5.23		0.50	0.10
75-35-4	1,1-Dichloroethene	5.31		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.20		0.50	0.080
107-06-2	1,2-Dichloroethane	4.99		0.50	0.070
78-87-5	1,2-Dichloropropane	5.32		0.50	0.10
78-93-3	2-Butanone (MEK)	59.0		5.0	1.0
591-78-6	2-Hexanone	57.4		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	57.7		5.0	1.0
67-64-1	Acetone	56.0		5.0	1.0
71-43-2	Benzene	5.40		0.50	0.10
74-97-5	Bromochloromethane	5.32		0.50	0.080
75-27-4	Bromodichloromethane	5.23		0.50	0.080
75-25-2	Bromoform	5.14		1.0	0.30
74-83-9	Bromomethane	3.86		0.50	0.10
75-15-0	Carbon disulfide	5.26		1.0	0.10
56-23-5	Carbon tetrachloride	5.25		0.50	0.10
108-90-7	Chlorobenzene	5.02		0.50	0.070
75-00-3	Chloroethane	4.13		0.50	0.10
67-66-3	Chloroform	5.12		0.50	0.090
74-87-3	Chloromethane	3.68		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.42		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.20		0.50	0.10
124-48-1	Dibromochloromethane	5.11		0.50	0.080
100-41-4	Ethylbenzene	5.11		0.50	0.080
1634-04-4	Methyl tert-butyl ether	5.02		0.50	0.080
75-09-2	Methylene Chloride	5.22		0.50	0.20
100-42-5	Styrene	5.14		0.50	0.070
127-18-4	Tetrachloroethene	4.96		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
Environment Testing, LLC

Job No.: 410-131835-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-393012/4

Matrix: Water

Lab File ID: IL02X03.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 07/02/2023 12:25

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 393012

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	5.15		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.26		0.50	0.080
79-01-6	Trichloroethene	5.13		0.50	0.080
75-01-4	Vinyl chloride	3.89		0.50	0.10
1330-20-7	Xylenes, Total	15.4		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X03.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 02-Jul-2023 12:25:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088040-004
 Misc. Info.: LCS
 Operator ID: knk41612 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 02-Jul-2023 13:43:43 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: DVW2

Date: 02-Jul-2023 13:09:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.855	1.861	-0.006	99	236058	5.00	3.37	
4 Chloromethane	50	2.044	2.050	-0.006	99	261678	5.00	3.68	
5 Vinyl chloride	62	2.154	2.160	-0.006	79	265045	5.00	3.89	
6 Butadiene	39	2.154	2.160	-0.006	90	222950	5.00	3.13	
7 Bromomethane	94	2.465	2.471	-0.006	90	204872	5.00	3.86	
8 Chloroethane	64	2.538	2.544	-0.006	100	168264	5.00	4.13	
9 Dichlorofluoromethane	67	2.763	2.776	-0.013	97	437442	5.00	3.85	
10 Trichlorofluoromethane	101	2.824	2.830	-0.006	97	363382	5.00	4.19	M
11 Ethyl ether	59	3.050	3.050	0.000	91	140521	5.01	3.93	
13 1,2-Dichloro-1,1,2-trifluoroethane	67	3.141	3.147	-0.006	91	284634	5.00	4.61	
15 1,1-Dichloroethene	96	3.336	3.349	-0.013	97	249036	5.00	5.31	
16 Acetone	43	3.367	3.367	0.000	100	397306	62.5	56.0	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.385	3.397	-0.012	90	266039	5.00	5.34	
18 Iodomethane	142	3.525	3.531	-0.006	98	485159	5.00	4.92	
20 Carbon disulfide	76	3.629	3.635	-0.006	99	669152	5.00	5.26	
23 Methyl acetate	43	3.769	3.775	-0.006	96	104807	5.00	5.99	
24 3-Chloro-1-propene	41	3.781	3.794	-0.013	92	365404	5.00	5.01	
25 Methylene Chloride	84	3.964	3.970	-0.006	89	258314	5.00	5.22	
* 26 t-Butyl alcohol-d10 (IS)	65	3.970	3.983	-0.013	96	148256	50.0	50.0	M
27 2-Methyl-2-propanol	59	4.086	4.098	-0.012	100	146120	50.0	51.8	
28 Acrylonitrile	53	4.275	4.287	-0.012	100	234171	25.0	27.2	
29 Methyl tert-butyl ether	73	4.348	4.361	-0.013	93	646088	5.00	5.02	
30 trans-1,2-Dichloroethene	96	4.354	4.367	-0.013	98	269016	5.00	5.15	
31 Hexane	57	4.781	4.787	-0.006	90	363368	5.00	5.31	
32 1,1-Dichloroethane	63	5.013	5.025	-0.012	96	467694	5.00	5.23	
35 Isopropyl ether	45	5.080	5.086	-0.006	93	755057	5.00	5.14	
36 2-Chloro-1,3-butadiene	53	5.135	5.135	0.000	89	375673	5.00	5.02	
37 Tert-butyl ethyl ether	59	5.629	5.629	0.000	97	727527	5.00	5.19	
38 2-Butanone (MEK)	43	5.818	5.824	-0.006	99	805911	62.5	59.0	
39 cis-1,2-Dichloroethene	96	5.866	5.866	0.000	80	314463	5.00	5.42	
40 2,2-Dichloropropane	77	5.879	5.879	0.000	85	427656	5.00	5.31	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
43 Propionitrile	54	5.909	5.903	0.006	99	124790	37.5	34.5	
45 Methacrylonitrile	67	6.122	6.122	0.000	91	506557	37.5	35.5	
46 Chlorobromomethane	128	6.189	6.196	-0.007	88	140462	5.00	5.32	
47 Tetrahydrofuran	71	6.202	6.208	-0.006	78	102500	25.0	22.8	
48 Chloroform	83	6.348	6.348	0.000	92	472976	5.00	5.12	
\$ 49 Dibromofluoromethane (Surr)	113	6.561	6.567	-0.006	95	447996	10.0	9.97	
50 1,1,1-Trichloroethane	97	6.574	6.574	0.000	97	447202	5.00	5.18	
51 Cyclohexane	56	6.671	6.677	-0.006	88	447332	5.00	5.47	
53 1,1-Dichloropropene	75	6.787	6.787	0.000	96	375485	5.00	5.47	
54 Carbon tetrachloride	117	6.787	6.787	0.000	94	403510	5.00	5.25	
55 Isobutyl alcohol	41	6.958	6.952	0.006	96	119135	125.0	118.9	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.012	7.013	-0.001	87	88834	10.0	9.97	
57 Benzene	78	7.043	7.049	-0.006	96	1114684	5.00	5.40	
58 1,2-Dichloroethane	62	7.122	7.122	0.000	97	279112	5.00	4.99	
60 Tert-amyl methyl ether	73	7.250	7.244	0.006	99	692036	5.00	5.34	
* 61 Fluorobenzene (IS)	96	7.451	7.458	-0.007	99	1748803	10.0	10.0	
62 n-Heptane	43	7.470	7.476	-0.006	91	354678	5.00	5.40	
63 n-Butanol	56	7.842	7.836	0.006	88	268775	250.0	349.2	
64 Trichloroethene	95	7.939	7.939	0.000	96	294918	5.00	5.13	
65 Methylcyclohexane	83	8.250	8.250	0.000	90	507174	5.00	5.47	
66 1,2-Dichloropropane	63	8.268	8.268	0.000	96	271823	5.00	5.32	
67 Methyl methacrylate	69	8.366	8.360	0.006	86	134432	5.00	4.78	
68 1,4-Dioxane	88	8.366	8.366	0.000	31	32087	125.0	196.3	
69 Dibromomethane	93	8.378	8.384	-0.006	91	134587	5.00	5.26	
71 Dichlorobromomethane	83	8.616	8.616	0.000	99	347074	5.00	5.23	
72 2-Nitropropane	41	8.884	8.884	0.000	99	35439	5.00	3.86	
75 1-Bromo-2-chloroethane	63	9.012	9.012	0.000	98	253186	5.00	4.86	
76 cis-1,3-Dichloropropene	75	9.177	9.177	0.000	97	414253	5.00	5.20	
77 4-Methyl-2-pentanone (MIBK)	43	9.360	9.354	0.006	95	2116271	62.5	57.7	
\$ 78 Toluene-d8 (Surr)	98	9.494	9.494	0.000	92	1791370	10.0	9.75	
79 Toluene	92	9.573	9.573	0.000	99	745129	5.00	5.14	
97 trans-1,3-Dichloropropene	75	9.841	9.841	0.000	90	359995	5.00	5.26	
99 Ethyl methacrylate	69	9.914	9.908	0.006	88	282957	5.00	5.00	
100 1,1,2-Trichloroethane	97	10.048	10.049	0.000	89	204795	5.00	5.01	
101 Tetrachloroethene	166	10.140	10.140	0.000	97	374652	5.00	4.96	
102 1,3-Dichloropropane	76	10.213	10.213	0.000	88	337516	5.00	5.22	
103 2-Hexanone	43	10.268	10.268	0.000	95	1489427	62.5	57.4	
105 Chlorodibromomethane	129	10.433	10.433	-0.001	90	272307	5.00	5.11	
106 Ethylene Dibromide	107	10.542	10.542	0.000	99	200732	5.00	5.20	
* 107 Chlorobenzene-d5 (IS)	117	10.981	10.981	0.000	84	1428873	10.0	10.0	
108 1-Chlorohexane	91	10.993	10.993	0.000	95	408734	5.00	4.85	
109 Chlorobenzene	112	11.012	11.006	0.006	97	851600	5.00	5.02	
111 1,1,1,2-Tetrachloroethane	131	11.091	11.091	0.000	97	314548	5.00	5.21	
112 Ethylbenzene	91	11.097	11.097	0.000	98	1443633	5.00	5.11	
113 m-Xylene & p-Xylene	106	11.213	11.213	0.000	92	1181984	10.0	10.3	
114 o-Xylene	106	11.542	11.542	0.000	96	576289	5.00	5.11	
115 Styrene	104	11.560	11.560	0.000	95	933335	5.00	5.14	
116 Bromoform	173	11.719	11.719	0.000	99	177428	5.00	5.14	
117 Isopropylbenzene	105	11.847	11.847	0.000	95	1534109	5.00	5.24	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.993	11.993	0.000	96	690818	10.0	9.98	
121 1,1,1,2,2-Tetrachloroethane	83	12.097	12.097	0.000	94	263898	5.00	5.05	
122 Bromobenzene	156	12.109	12.109	0.000	93	383174	5.00	5.08	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 trans-1,4-Dichloro-2-butene	53	12.121	12.121	0.000	92	291524	25.0	21.1	
124 1,2,3-Trichloropropane	110	12.139	12.140	-0.001	82	75060	5.00	5.12	
125 N-Propylbenzene	91	12.176	12.176	0.000	98	1698960	5.00	5.09	
126 2-Chlorotoluene	126	12.255	12.255	0.000	98	368963	5.00	5.06	
127 1,3,5-Trimethylbenzene	105	12.316	12.316	0.000	94	1267416	5.00	4.98	
128 4-Chlorotoluene	126	12.347	12.347	0.000	96	378573	5.00	5.06	
129 tert-Butylbenzene	134	12.554	12.554	0.000	91	281640	5.00	4.60	
131 1,2,4-Trimethylbenzene	105	12.597	12.597	0.000	97	1295039	5.00	4.95	
132 sec-Butylbenzene	105	12.719	12.719	0.000	94	1652392	5.00	5.10	
133 1,3-Dichlorobenzene	146	12.816	12.816	0.000	99	735613	5.00	4.99	
134 4-Isopropyltoluene	119	12.828	12.828	0.000	97	1468444	5.00	5.09	
* 135 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	92	877298	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.895	12.896	-0.001	96	745527	5.00	5.13	
137 1,2,3-Trimethylbenzene	120	12.902	12.902	0.000	98	572505	5.00	4.85	
138 Benzyl chloride	126	12.969	12.969	0.000	98	117582	5.00	5.24	
139 n-Butylbenzene	92	13.121	13.121	0.000	96	673744	5.00	5.21	
140 1,2-Dichlorobenzene	146	13.151	13.152	-0.001	100	679811	5.00	4.91	
142 1,2-Dibromo-3-Chloropropane	155	13.694	13.694	0.000	92	42992	5.00	5.04	
143 1,3,5-Trichlorobenzene	180	13.822	13.822	0.000	98	561569	5.00	5.08	
144 1,2,4-Trichlorobenzene	180	14.243	14.243	0.000	94	467920	5.00	5.26	
145 Hexachlorobutadiene	225	14.322	14.322	0.000	95	228869	5.00	5.28	
146 Naphthalene	128	14.420	14.420	0.000	96	841777	5.00	5.20	
147 1,2,3-Trichlorobenzene	180	14.560	14.560	0.000	96	390350	5.00	5.24	
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_00116	Amount Added: 6.25	Units: uL	
MSV_QC_Gas826_00146	Amount Added: 6.25	Units: uL	
MSV_LCS_EE_00007	Amount Added: 6.25	Units: uL	
MSV_LLcentISS_00007	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromf\Lancaster\ChromData\19930\20230702-88040.b\ILO2X03.D

Injection Date: 02-Jul-2023 12:25:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: LCS

Worklist Smp#: 4

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

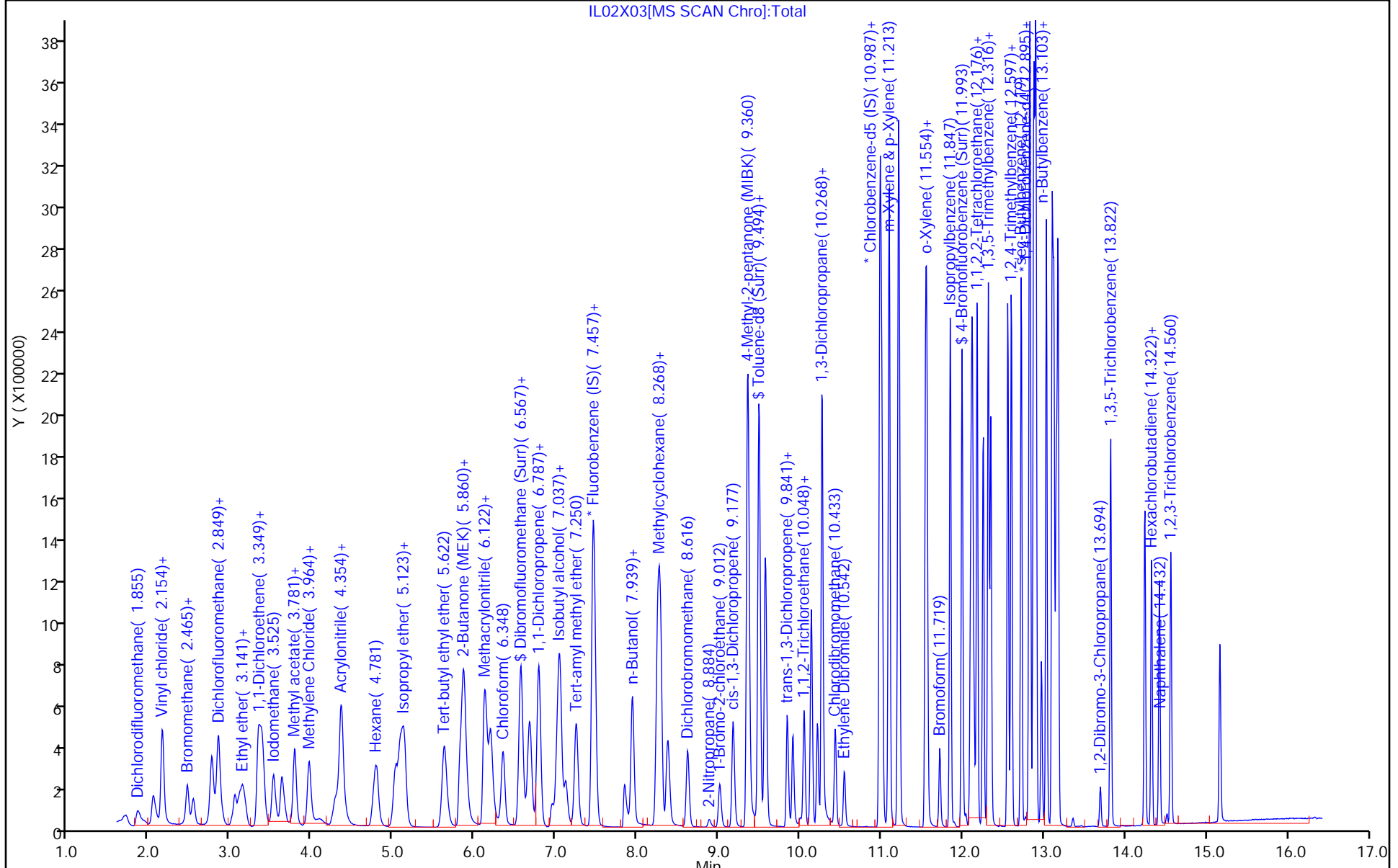
ALS Bottle#: 3

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\20230702-88040.b\IL02X03.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 02-Jul-2023 12:25:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088040-004
 Misc. Info.: LCS
 Operator ID: knk41612 Instrument ID: 19930

 Method: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 02-Jul-2023 13:43:43 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D

 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: DVW2 Date: 02-Jul-2023 13:09:05

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	9.97	99.73
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	9.97	99.74
\$ 78 Toluene-d8 (Surr)	10.0	9.75	97.51
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.98	99.80

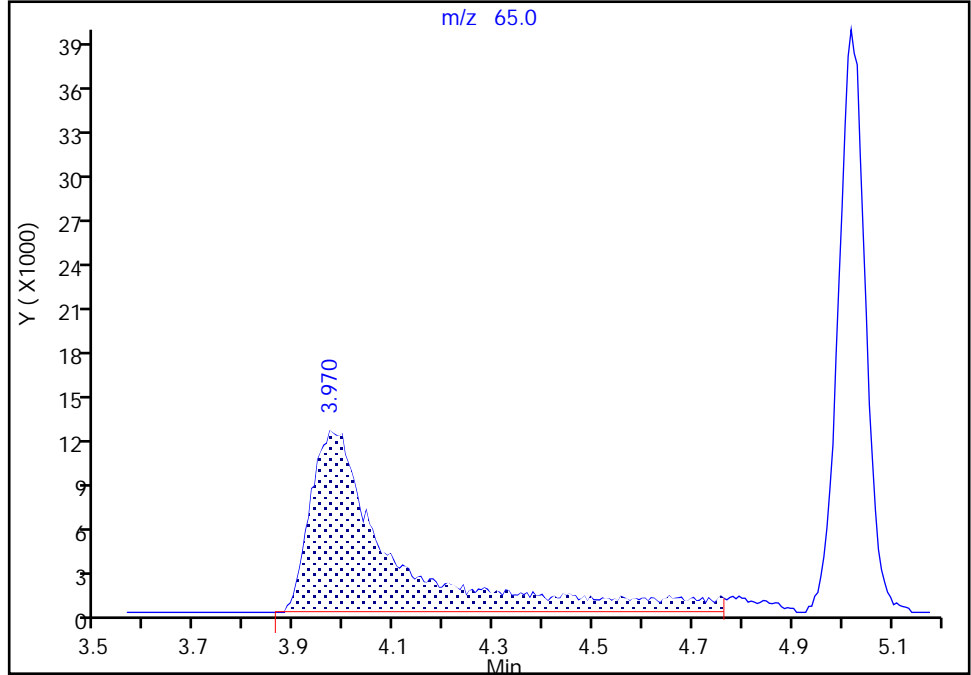
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X03.D
Injection Date: 02-Jul-2023 12:25:30 Instrument ID: 19930
Lims ID: LCS
Client ID:
Operator ID: knk41612 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

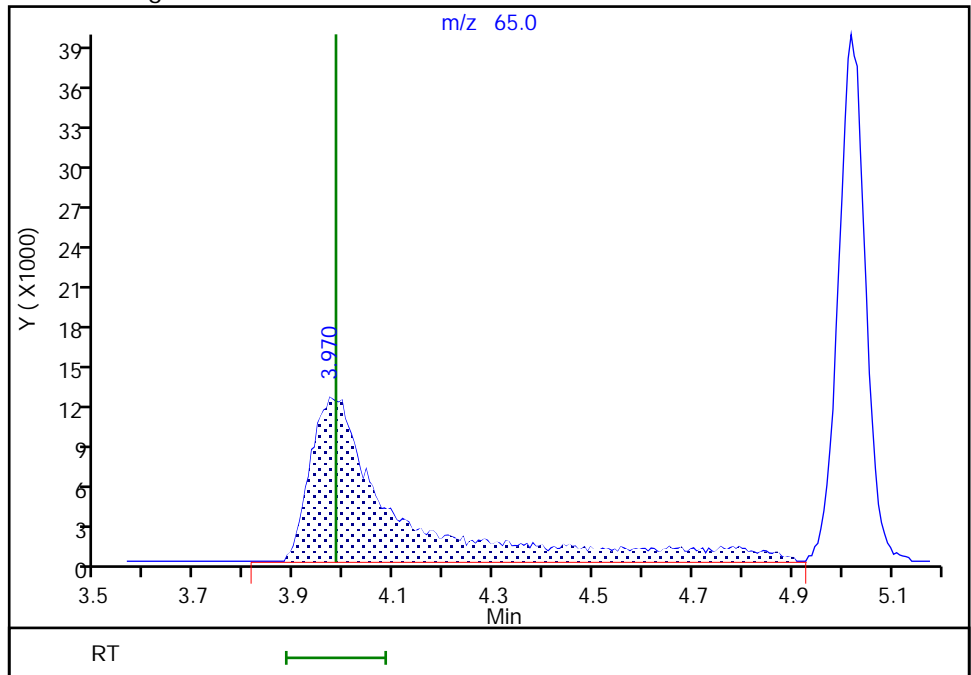
RT: 3.97
Area: 142489
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 3.97
Area: 148256
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-Jul-2023 13:08:32 -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.: 410-131835-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-393586/4

Matrix: Water

Lab File ID: GL05X03.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 07/05/2023 10:21

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 393586

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.26		0.50	0.070
71-55-6	1,1,1-Trichloroethane	4.97		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	4.81		0.50	0.10
79-00-5	1,1,2-Trichloroethane	4.98		0.50	0.080
75-34-3	1,1-Dichloroethane	4.65		0.50	0.10
75-35-4	1,1-Dichloroethene	4.82		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.22		0.50	0.080
107-06-2	1,2-Dichloroethane	4.92		0.50	0.070
78-87-5	1,2-Dichloropropane	4.70		0.50	0.10
78-93-3	2-Butanone (MEK)	57.2		5.0	1.0
591-78-6	2-Hexanone	52.9		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	52.6		5.0	1.0
67-64-1	Acetone	58.5		5.0	1.0
71-43-2	Benzene	4.79		0.50	0.10
74-97-5	Bromochloromethane	5.15		0.50	0.080
75-27-4	Bromodichloromethane	4.80		0.50	0.080
75-25-2	Bromoform	4.31		1.0	0.30
74-83-9	Bromomethane	3.82		0.50	0.10
75-15-0	Carbon disulfide	4.46		1.0	0.10
56-23-5	Carbon tetrachloride	5.13		0.50	0.10
108-90-7	Chlorobenzene	5.00		0.50	0.070
75-00-3	Chloroethane	3.88		0.50	0.10
67-66-3	Chloroform	4.81		0.50	0.090
74-87-3	Chloromethane	3.48		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	4.83		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.43		0.50	0.10
124-48-1	Dibromochloromethane	4.91		0.50	0.080
100-41-4	Ethylbenzene	4.95		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.40		0.50	0.080
75-09-2	Methylene Chloride	4.74		0.50	0.20
100-42-5	Styrene	5.03		0.50	0.070
127-18-4	Tetrachloroethene	5.20		0.50	0.20
108-88-3	Toluene	4.95		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-131835-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 410-393586/4

Matrix: Water Lab File ID: GL05X03.D

Analysis Method: 8260D Date Collected: _____

Sample wt/vol: 25 (mL) Date Analyzed: 07/05/2023 10:21

Soil Aliquot Vol: _____ Dilution Factor: 1

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

Purge Volume: 25.0 (mL) Heated Purge: (Y/N) N pH: _____

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

Analysis Batch No.: 393586 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	4.60		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	4.57		0.50	0.080
79-01-6	Trichloroethene	4.72		0.50	0.080
75-01-4	Vinyl chloride	3.53		0.50	0.10
1330-20-7	Xylenes, Total	15.4		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		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\16334\20230705-88183.b\GL05X03.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 05-Jul-2023 10:21:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088183-004
 Misc. Info.: LCS
 Operator ID: knk41612 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Jul-2023 06:56:03 Calib Date: 13-Jun-2023 02:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1617

First Level Reviewer: DVW2

Date: 05-Jul-2023 10:47:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.910	1.904	0.006	99	361149	5.00	3.85	
5 Chloromethane	50	2.099	2.093	0.006	99	387622	5.00	3.48	
6 Vinyl chloride	62	2.215	2.202	0.013	85	367425	5.00	3.53	
7 Butadiene	39	2.215	2.209	0.006	91	680574	5.00	7.27	
9 Bromomethane	94	2.532	2.526	0.006	90	273433	5.00	3.82	
10 Chloroethane	64	2.605	2.605	0.000	100	237302	5.00	3.88	
11 Dichlorofluoromethane	67	2.843	2.837	0.007	97	551103	5.00	3.80	
12 Trichlorofluoromethane	101	2.904	2.897	0.007	97	425457	5.00	3.88	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.221	3.221	0.000	91	370450	5.00	4.25	
17 Acrolein	56	3.300	3.288	0.012	98	325147	37.5	35.8	
18 1,1-Dichloroethene	96	3.428	3.422	0.006	98	309835	5.00	4.82	
19 Acetone	43	3.458	3.452	0.006	91	638104	62.5	58.5	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.471	3.464	0.007	92	322567	5.00	5.20	
21 Isopropyl alcohol	45	3.611	3.605	0.006	27	48188	37.5	26.2	
22 Iodomethane	142	3.611	3.611	0.000	99	586539	5.00	4.83	
24 Carbon disulfide	76	3.727	3.714	0.013	99	986185	5.00	4.46	M
25 Methyl acetate	43	3.861	3.849	0.013	24	169353	5.00	5.68	M
27 3-Chloro-1-propene	41	3.879	3.879	0.000	92	479525	5.00	4.29	
29 Methylene Chloride	84	4.062	4.056	0.006	91	349625	5.00	4.74	
* 30 t-Butyl alcohol-d10 (IS)	65	4.105	4.086	0.019	99	253409	50.0	50.0	M
31 2-Methyl-2-propanol	59	4.196	4.214	-0.018	100	190350	50.0	42.6	
32 Acrylonitrile	53	4.397	4.391	0.006	99	394087	25.0	24.3	
33 Methyl tert-butyl ether	73	4.458	4.452	0.006	90	885154	5.00	4.40	
34 trans-1,2-Dichloroethene	96	4.458	4.452	0.006	99	346145	5.00	4.60	
35 Hexane	57	4.891	4.885	0.006	93	470876	5.00	5.14	
37 1,1-Dichloroethane	63	5.123	5.117	0.006	96	610025	5.00	4.65	
38 Isopropyl ether	45	5.190	5.190	0.000	95	1105366	5.00	4.44	
39 2-Chloro-1,3-butadiene	53	5.232	5.226	0.006	91	502196	5.00	4.55	
40 Tert-butyl ethyl ether	59	5.726	5.726	0.000	98	1011934	5.00	4.25	
41 2-Butanone (MEK)	43	5.933	5.927	0.006	100	1323144	62.5	57.2	
42 cis-1,2-Dichloroethene	96	5.964	5.958	0.006	81	404283	5.00	4.83	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.976	5.970	0.006	86	529390	5.00	4.88	
45 Propionitrile	54	6.025	6.025	0.000	97	197444	37.5	35.0	
48 Methacrylonitrile	67	6.238	6.238	0.000	92	781851	37.5	32.6	
49 Chlorobromomethane	128	6.293	6.287	0.006	91	186914	5.00	5.15	
50 Tetrahydrofuran	71	6.311	6.311	0.000	83	152621	25.0	21.6	
51 Chloroform	83	6.446	6.439	0.007	93	635961	5.00	4.81	
\$ 52 Dibromofluoromethane (Surr)	113	6.665	6.659	0.006	94	711008	10.0	10.2	
53 1,1,1-Trichloroethane	97	6.677	6.671	0.006	98	551597	5.00	4.97	
54 Cyclohexane	56	6.769	6.769	0.000	90	563488	5.00	4.79	
55 Carbon tetrachloride	117	6.885	6.878	0.007	94	484691	5.00	5.13	
56 1,1-Dichloropropene	75	6.885	6.885	0.001	97	494982	5.00	4.97	
58 Isobutyl alcohol	41	7.061	7.061	0.000	92	143016	125.0	100.4	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.116	7.116	0.000	85	148973	10.0	10.1	
60 Benzene	78	7.147	7.147	0.000	97	1473121	5.00	4.79	
61 1,2-Dichloroethane	62	7.220	7.214	0.006	97	418974	5.00	4.92	
63 Tert-amyl methyl ether	73	7.348	7.348	0.000	99	921889	5.00	4.22	
* 64 Fluorobenzene (IS)	96	7.555	7.555	0.000	99	2924031	10.0	10.0	
65 n-Heptane	43	7.573	7.567	0.006	91	490843	5.00	5.14	
67 n-Butanol	56	7.957	7.951	0.006	90	314206	250.0	230.9	
68 Trichloroethene	95	8.037	8.031	0.006	97	381822	5.00	4.72	
69 Methylcyclohexane	83	8.342	8.342	0.000	92	617055	5.00	5.09	
70 1,2-Dichloropropane	63	8.366	8.366	0.000	96	375593	5.00	4.70	
71 2-ethoxy-2-methyl butane	87	8.384	8.384	0.000	93	510059	5.00	4.15	
72 Methyl methacrylate	69	8.463	8.457	0.006	91	184912	5.00	3.80	
74 Dibromomethane	93	8.476	8.476	0.000	94	198317	5.00	5.20	
73 1,4-Dioxane	88	8.470	8.482	-0.012	28	37511	125.0	137.5	M
76 Dichlorobromomethane	83	8.713	8.713	0.000	99	467510	5.00	4.80	
77 2-Nitropropane	41	8.994	8.988	0.006	98	58575	5.00	4.26	
79 1-Bromo-2-chloroethane	63	9.110	9.104	0.006	99	373337	5.00	4.21	
81 cis-1,3-Dichloropropene	75	9.274	9.268	0.006	96	540927	5.00	4.43	
82 4-Methyl-2-pentanone (MIBK)	43	9.457	9.457	0.000	97	3423158	62.5	52.6	
\$ 83 Toluene-d8 (Surr)	98	9.585	9.585	0.000	93	2890117	10.0	9.94	
84 Toluene	92	9.664	9.664	0.000	98	964461	5.00	4.95	
85 trans-1,3-Dichloropropene	75	9.927	9.927	0.000	93	469982	5.00	4.57	
86 Ethyl methacrylate	69	10.000	9.994	0.006	89	408987	5.00	4.84	
107 1,1,2-Trichloroethane	97	10.134	10.134	0.000	90	291154	5.00	4.98	
108 Tetrachloroethene	166	10.219	10.219	0.000	97	432070	5.00	5.20	
109 1,3-Dichloropropane	76	10.298	10.298	0.000	90	487016	5.00	4.93	
110 2-Hexanone	43	10.359	10.359	0.000	97	2428840	62.5	52.9	
112 Chlorodibromomethane	129	10.512	10.512	0.000	90	336910	5.00	4.91	
113 Ethylene Dibromide	107	10.622	10.622	0.000	98	284896	5.00	5.22	
* 114 Chlorobenzene-d5 (IS)	117	11.061	11.061	0.000	85	2246445	10.0	10.0	
115 1-Chlorohexane	91	11.073	11.073	0.000	96	524815	5.00	4.71	
116 Chlorobenzene	112	11.085	11.085	0.000	95	1120448	5.00	5.00	
117 1,1,1,2-Tetrachloroethane	131	11.170	11.170	0.000	96	400426	5.00	5.26	
118 Ethylbenzene	91	11.176	11.176	0.000	98	1872498	5.00	4.95	
120 m-Xylene & p-Xylene	106	11.292	11.292	0.000	100	1485137	10.0	10.3	
121 o-Xylene	106	11.621	11.621	0.000	96	727892	5.00	5.09	
122 Styrene	104	11.634	11.634	0.000	95	1219424	5.00	5.03	
123 Bromoform	173	11.792	11.792	0.000	97	187050	5.00	4.31	
124 Isopropylbenzene	105	11.920	11.920	0.000	96	1883730	5.00	5.13	
\$ 127 4-Bromofluorobenzene (Surr)	95	12.066	12.060	0.006	93	1087529	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
128 1,1,2,2-Tetrachloroethane	83	12.170	12.164	0.006	95	383843	5.00	4.81	
129 Bromobenzene	156	12.182	12.182	0.000	91	486886	5.00	5.02	
130 trans-1,4-Dichloro-2-butene	53	12.194	12.194	0.000	72	77742	25.0	3.27	
131 1,2,3-Trichloropropane	110	12.213	12.213	0.000	84	101511	5.00	4.95	
132 N-Propylbenzene	91	12.249	12.249	0.000	99	2212785	5.00	4.79	
133 2-Chlorotoluene	126	12.322	12.322	0.000	97	469525	5.00	4.99	
134 1,3,5-Trimethylbenzene	105	12.390	12.383	0.007	94	1610107	5.00	4.83	
135 4-Chlorotoluene	126	12.420	12.420	0.000	97	492817	5.00	5.03	
136 tert-Butylbenzene	134	12.627	12.627	0.000	92	344461	5.00	4.79	
138 1,2,4-Trimethylbenzene	105	12.670	12.670	0.000	97	1675412	5.00	4.82	
139 sec-Butylbenzene	105	12.792	12.792	0.000	94	2119884	5.00	4.98	
140 1,3-Dichlorobenzene	146	12.889	12.889	0.000	98	956905	5.00	4.89	
141 4-Isopropyltoluene	119	12.896	12.896	0.000	97	1873349	5.00	4.99	
* 142 1,4-Dichlorobenzene-d4	152	12.944	12.944	0.000	95	1299030	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.963	12.963	0.000	95	993683	5.00	5.07	
144 1,2,3-Trimethylbenzene	120	12.975	12.975	0.000	98	763284	5.00	4.79	
145 Benzyl chloride	126	13.042	13.036	0.006	98	152867	5.00	4.94	
146 p-Diethylbenzene	119	13.097	13.097	0.000	92	1101504	5.00	4.82	
147 n-Butylbenzene	92	13.188	13.188	0.000	97	929101	5.00	4.74	
148 1,2-Dichlorobenzene	146	13.219	13.219	0.000	99	907557	5.00	4.86	
150 1,2-Dibromo-3-Chloropropane	155	13.761	13.761	0.000	88	54887	5.00	5.14	
151 1,3,5-Trichlorobenzene	180	13.883	13.883	0.000	98	796258	5.00	4.99	
152 1,2,4-Trichlorobenzene	180	14.304	14.304	0.000	94	714254	5.00	5.09	
153 Hexachlorobutadiene	225	14.383	14.383	0.000	97	354037	5.00	5.34	
154 Naphthalene	128	14.487	14.481	0.006	97	1210118	5.00	4.96	
155 1,2,3-Trichlorobenzene	180	14.627	14.621	0.006	95	622066	5.00	5.08	
156 2-Methylnaphthalene	142	15.230	15.230	0.000	92	695688	5.00	5.10	
167 Pentane	43	2.928	2.922	0.006	96	518215	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00117	Amount Added: 12.50	Units: uL	
MSV_QC_Gas826_00147	Amount Added: 12.50	Units: uL	
MSV_LCS_ACROL_00120	Amount Added: 12.50	Units: uL	
MSV_29_826ISS_00048	Amount Added: 1.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\GL05X03.D

Injection Date: 05-Jul-2023 10:21:30

Instrument ID: 16334

Operator ID: knk41612

Lims ID: LCS

Worklist Smp#: 4

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

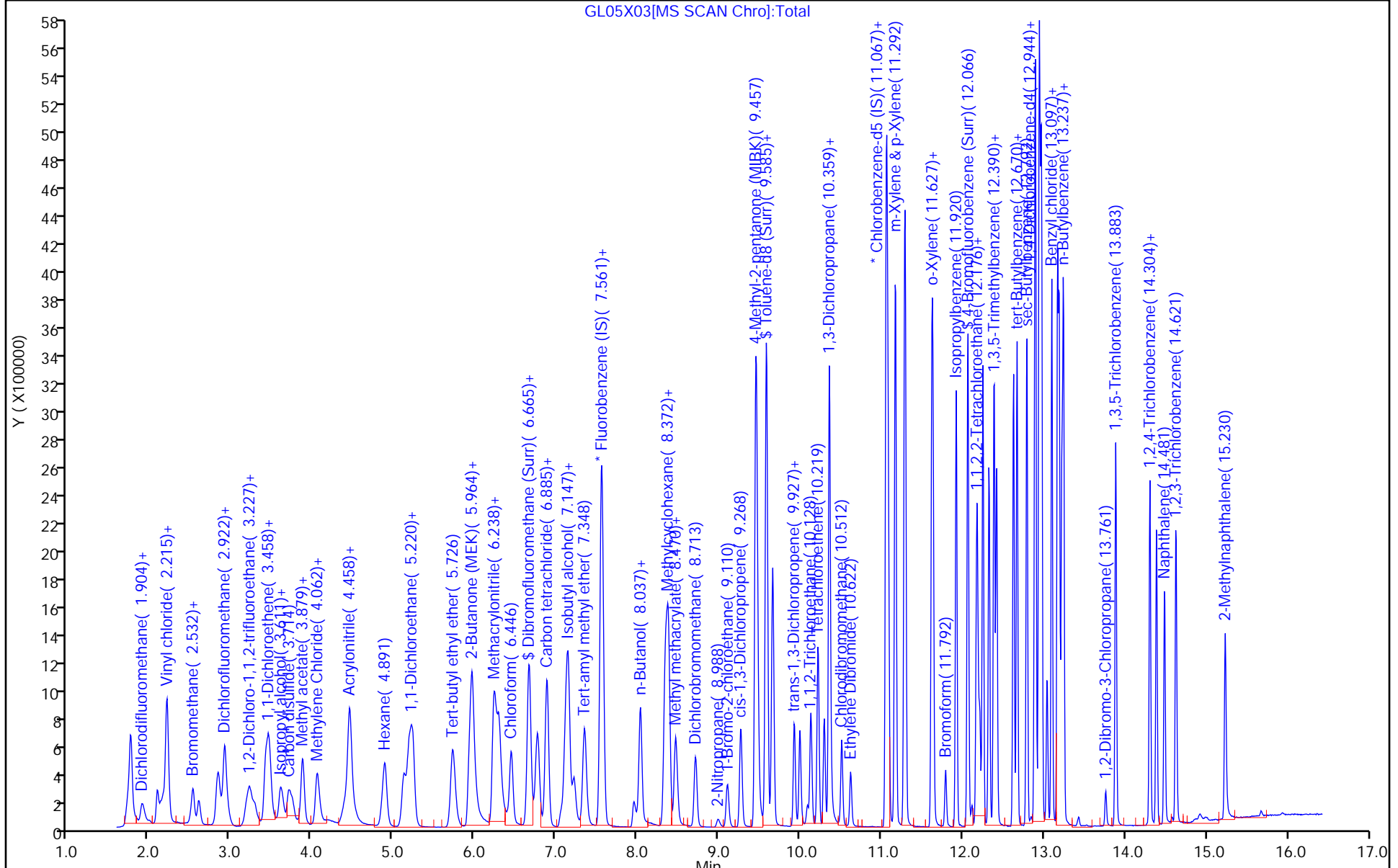
ALS Bottle#: 3

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\GL05X03.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 05-Jul-2023 10:21:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088183-004
 Misc. Info.: LCS
 Operator ID: knk41612 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Jul-2023 06:56:03 Calib Date: 13-Jun-2023 02:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20230612-86386.b\JU12X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1617

First Level Reviewer: DVW2 Date: 05-Jul-2023 10:47:36

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.2	101.63
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	101.42
\$ 83 Toluene-d8 (Surr)	10.0	9.94	99.44
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.69	96.88

Eurofins Lancaster Laboratories Environment Testing, LLC

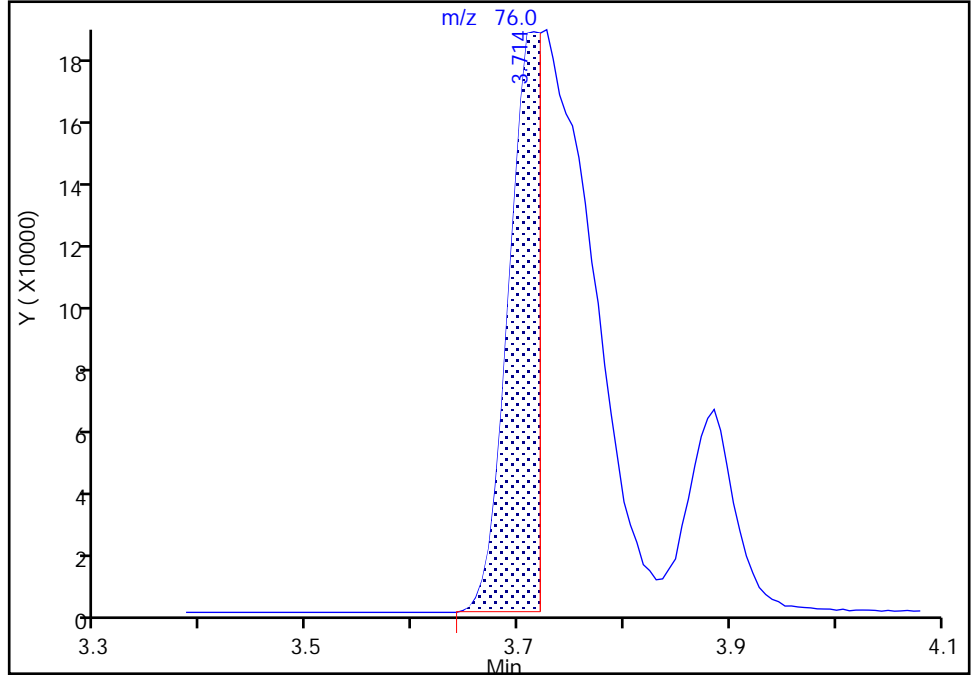
Data File: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\GL05X03.D
Injection Date: 05-Jul-2023 10:21:30 Instrument ID: 16334
Lims ID: LCS
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Carbon disulfide, CAS: 75-15-0

Signal: 1

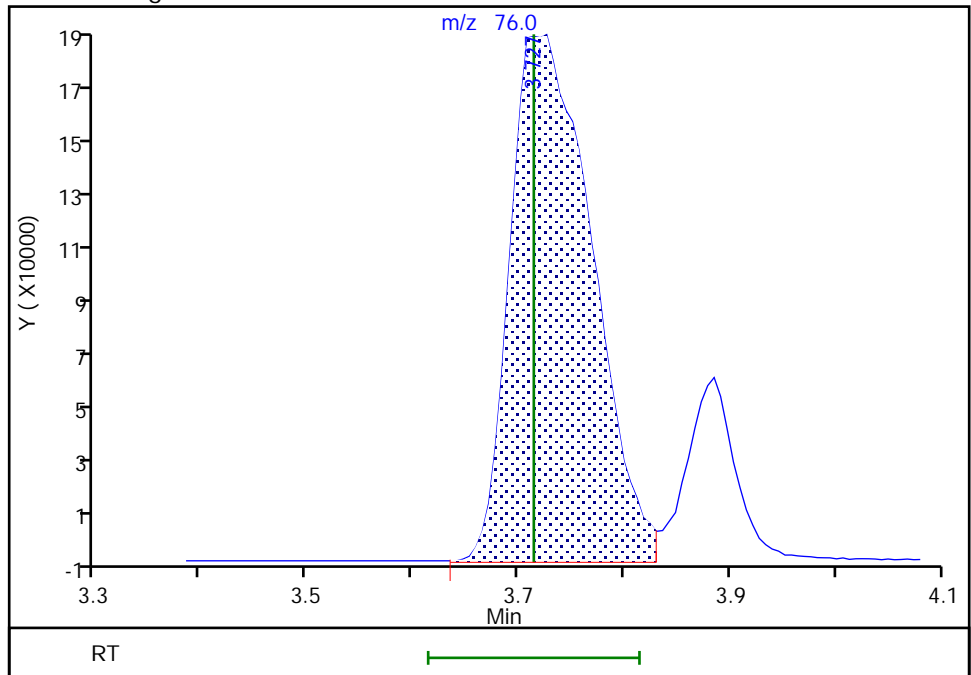
RT: 3.71
Area: 393106
Amount: 1.778280
Amount Units: ug/l

Processing Integration Results



RT: 3.73
Area: 986185
Amount: 4.461170
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 05-Jul-2023 10:46:28 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

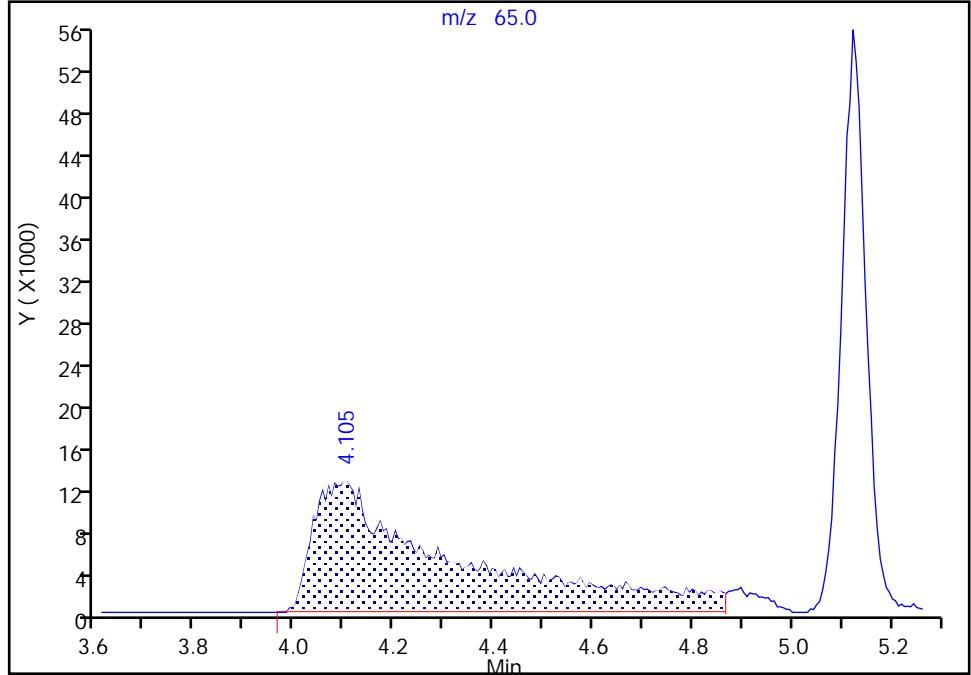
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20230705-88183.b\GL05X03.D
Injection Date: 05-Jul-2023 10:21:30 Instrument ID: 16334
Lims ID: LCS
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2
Signal: 1

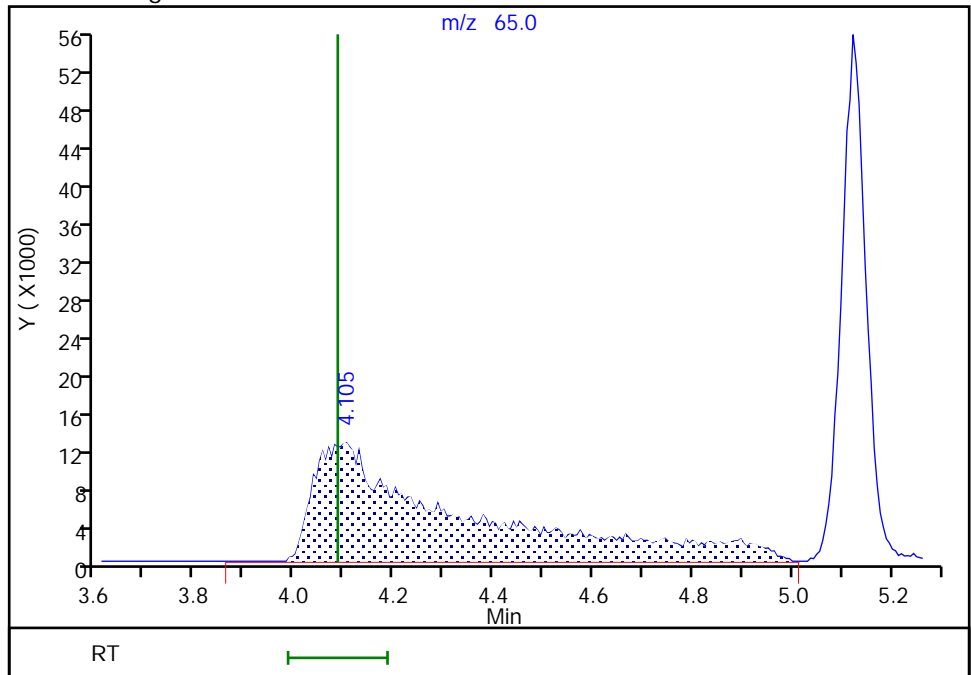
RT: 4.10
Area: 242670
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 4.10
Area: 253409
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 05-Jul-2023 10:46:49 -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.: 410-131835-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCSD 410-393012/5

Matrix: Water

Lab File ID: IL02X04.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 07/02/2023 12:46

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.: 393012

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.11		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.09		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	4.89		0.50	0.10
79-00-5	1,1,2-Trichloroethane	4.99		0.50	0.080
75-34-3	1,1-Dichloroethane	5.08		0.50	0.10
75-35-4	1,1-Dichloroethene	5.20		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.04		0.50	0.080
107-06-2	1,2-Dichloroethane	4.85		0.50	0.070
78-87-5	1,2-Dichloropropane	5.29		0.50	0.10
78-93-3	2-Butanone (MEK)	57.4		5.0	1.0
591-78-6	2-Hexanone	56.8		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	56.6		5.0	1.0
67-64-1	Acetone	54.8		5.0	1.0
71-43-2	Benzene	5.28		0.50	0.10
74-97-5	Bromochloromethane	5.20		0.50	0.080
75-27-4	Bromodichloromethane	5.08		0.50	0.080
75-25-2	Bromoform	4.99		1.0	0.30
74-83-9	Bromomethane	3.77		0.50	0.10
75-15-0	Carbon disulfide	5.10		1.0	0.10
56-23-5	Carbon tetrachloride	5.25		0.50	0.10
108-90-7	Chlorobenzene	4.95		0.50	0.070
75-00-3	Chloroethane	4.13		0.50	0.10
67-66-3	Chloroform	5.04		0.50	0.090
74-87-3	Chloromethane	3.63		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.20		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.15		0.50	0.10
124-48-1	Dibromochloromethane	5.00		0.50	0.080
100-41-4	Ethylbenzene	4.99		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.96		0.50	0.080
75-09-2	Methylene Chloride	5.16		0.50	0.20
100-42-5	Styrene	5.05		0.50	0.070
127-18-4	Tetrachloroethene	4.82		0.50	0.20
108-88-3	Toluene	5.04		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-131835-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 410-393012/5

Matrix: Water Lab File ID: IL02X04.D

Analysis Method: 8260D Date Collected: _____

Sample wt/vol: 25 (mL) Date Analyzed: 07/02/2023 12:46

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.: 393012 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	5.00		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.08		0.50	0.080
79-01-6	Trichloroethene	5.08		0.50	0.080
75-01-4	Vinyl chloride	3.85		0.50	0.10
1330-20-7	Xylenes, Total	15.2		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X04.D
 Lims ID: LCSD
 Client ID:
 Sample Type: LCSD
 Inject. Date: 02-Jul-2023 12:46:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088040-005
 Misc. Info.: LCSD
 Operator ID: knk41612 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 02-Jul-2023 13:43:43 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: DVW2

Date: 02-Jul-2023 13:10:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.855	1.861	-0.006	99	231828	5.00	3.28	
4 Chloromethane	50	2.038	2.050	-0.012	99	260757	5.00	3.63	
5 Vinyl chloride	62	2.148	2.160	-0.012	98	264810	5.00	3.85	
6 Butadiene	39	2.154	2.160	-0.006	90	222840	5.00	3.10	
7 Bromomethane	94	2.458	2.471	-0.013	90	202266	5.00	3.77	
8 Chloroethane	64	2.532	2.544	-0.012	99	169788	5.00	4.13	
9 Dichlorofluoromethane	67	2.763	2.776	-0.013	97	432589	5.00	3.77	
10 Trichlorofluoromethane	101	2.824	2.830	-0.006	96	356504	5.00	4.07	M
11 Ethyl ether	59	3.044	3.050	-0.006	89	138982	5.01	3.85	
13 1,2-Dichloro-1,1,2-trifluoroethane	67	3.135	3.147	-0.012	89	281435	5.00	4.51	
15 1,1-Dichloroethene	96	3.336	3.349	-0.013	97	246198	5.00	5.20	
16 Acetone	43	3.361	3.367	-0.006	100	395434	62.5	54.8	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.385	3.397	-0.012	90	265135	5.00	5.27	
18 Iodomethane	142	3.519	3.531	-0.012	98	485869	5.00	4.88	
20 Carbon disulfide	76	3.623	3.635	-0.012	99	655292	5.00	5.10	
23 Methyl acetate	43	3.763	3.775	-0.012	97	93774	5.00	5.27	M
24 3-Chloro-1-propene	41	3.781	3.794	-0.013	93	363709	5.00	4.94	
25 Methylene Chloride	84	3.958	3.970	-0.012	88	258250	5.00	5.16	
* 26 t-Butyl alcohol-d10 (IS)	65	3.970	3.983	-0.013	95	150824	50.0	50.0	M
27 2-Methyl-2-propanol	59	4.092	4.098	-0.006	100	135099	50.0	47.1	
28 Acrylonitrile	53	4.281	4.287	-0.006	100	238809	25.0	27.2	
29 Methyl tert-butyl ether	73	4.348	4.361	-0.013	94	645205	5.00	4.96	
30 trans-1,2-Dichloroethene	96	4.354	4.367	-0.013	99	263399	5.00	5.00	
31 Hexane	57	4.775	4.787	-0.012	90	355831	5.00	5.15	
32 1,1-Dichloroethane	63	5.013	5.025	-0.012	96	458767	5.00	5.08	
35 Isopropyl ether	45	5.080	5.086	-0.006	94	751580	5.00	5.07	
36 2-Chloro-1,3-butadiene	53	5.129	5.135	-0.006	89	376962	5.00	4.99	
37 Tert-butyl ethyl ether	59	5.622	5.629	-0.007	96	725796	5.00	5.12	
38 2-Butanone (MEK)	43	5.818	5.824	-0.006	99	797744	62.5	57.4	
39 cis-1,2-Dichloroethene	96	5.860	5.866	-0.006	81	305285	5.00	5.20	
40 2,2-Dichloropropane	77	5.872	5.879	-0.007	84	421719	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
43 Propionitrile	54	5.903	5.903	0.000	99	136796	37.5	37.2	
45 Methacrylonitrile	67	6.122	6.122	0.000	90	505350	37.5	34.8	
46 Chlorobromomethane	128	6.196	6.196	0.000	88	138748	5.00	5.20	
47 Tetrahydrofuran	71	6.202	6.208	-0.006	77	104554	25.0	22.9	
48 Chloroform	83	6.348	6.348	0.000	92	470203	5.00	5.04	
\$ 49 Dibromofluoromethane (Surr)	113	6.561	6.567	-0.006	95	452242	10.0	9.97	
50 1,1,1-Trichloroethane	97	6.574	6.574	0.000	97	443717	5.00	5.09	
51 Cyclohexane	56	6.671	6.677	-0.006	89	441310	5.00	5.34	
53 1,1-Dichloropropene	75	6.787	6.787	0.000	96	372161	5.00	5.36	
54 Carbon tetrachloride	117	6.787	6.787	0.000	94	407366	5.00	5.25	
55 Isobutyl alcohol	41	6.951	6.952	-0.001	96	115436	125.0	113.2	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.012	7.013	-0.001	90	91238	10.0	10.1	
57 Benzene	78	7.049	7.049	0.000	96	1101081	5.00	5.28	
58 1,2-Dichloroethane	62	7.116	7.122	-0.006	97	274241	5.00	4.85	
60 Tert-amyl methyl ether	73	7.244	7.244	0.000	99	690741	5.00	5.28	
* 61 Fluorobenzene (IS)	96	7.451	7.458	-0.007	98	1766418	10.0	10.0	
62 n-Heptane	43	7.470	7.476	-0.006	89	344476	5.00	5.19	
63 n-Butanol	56	7.842	7.836	0.006	87	256519	250.0	327.6	
64 Trichloroethene	95	7.939	7.939	0.000	95	294999	5.00	5.08	
65 Methylcyclohexane	83	8.244	8.250	-0.006	92	500082	5.00	5.34	
66 1,2-Dichloropropane	63	8.268	8.268	0.000	98	272823	5.00	5.29	
67 Methyl methacrylate	69	8.366	8.360	0.006	89	127897	5.00	4.47	
68 1,4-Dioxane	88	8.372	8.366	0.006	30	30842	125.0	185.4	
69 Dibromomethane	93	8.378	8.384	-0.006	91	135229	5.00	5.23	
71 Dichlorobromomethane	83	8.616	8.616	0.000	99	340495	5.00	5.08	
72 2-Nitropropane	41	8.884	8.884	0.000	99	34361	5.00	3.68	
75 1-Bromo-2-chloroethane	63	9.012	9.012	0.000	98	253883	5.00	4.83	
76 cis-1,3-Dichloropropene	75	9.177	9.177	0.000	97	414092	5.00	5.15	
77 4-Methyl-2-pentanone (MIBK)	43	9.360	9.354	0.006	95	2109955	62.5	56.6	
\$ 78 Toluene-d8 (Surr)	98	9.494	9.494	0.000	92	1827818	10.0	9.80	
79 Toluene	92	9.573	9.573	0.000	98	741512	5.00	5.04	
97 trans-1,3-Dichloropropene	75	9.841	9.841	0.000	91	352478	5.00	5.08	
99 Ethyl methacrylate	69	9.914	9.908	0.006	88	280026	5.00	4.88	
100 1,1,2-Trichloroethane	97	10.048	10.049	0.000	89	207071	5.00	4.99	
101 Tetrachloroethene	166	10.140	10.140	0.000	97	369813	5.00	4.82	
102 1,3-Dichloropropane	76	10.213	10.213	0.000	88	332799	5.00	5.07	
103 2-Hexanone	43	10.274	10.268	0.006	95	1498041	62.5	56.8	
105 Chlorodibromomethane	129	10.433	10.433	0.000	89	270258	5.00	5.00	
106 Ethylene Dibromide	107	10.542	10.542	0.000	99	197272	5.00	5.04	
* 107 Chlorobenzene-d5 (IS)	117	10.981	10.981	0.000	84	1450478	10.0	10.0	
108 1-Chlorohexane	91	10.993	10.993	0.000	95	404613	5.00	4.73	
109 Chlorobenzene	112	11.012	11.006	0.006	97	851797	5.00	4.95	
111 1,1,1,2-Tetrachloroethane	131	11.091	11.091	0.000	97	313468	5.00	5.11	
112 Ethylbenzene	91	11.097	11.097	0.000	98	1430291	5.00	4.99	
113 m-Xylene & p-Xylene	106	11.213	11.213	0.000	92	1176903	10.0	10.2	
114 o-Xylene	106	11.542	11.542	0.000	96	571774	5.00	4.99	
115 Styrene	104	11.560	11.560	0.000	95	931524	5.00	5.05	
116 Bromoform	173	11.719	11.719	0.000	99	175047	5.00	4.99	
117 Isopropylbenzene	105	11.847	11.847	0.000	95	1524440	5.00	5.13	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.993	11.993	0.000	97	694844	10.0	9.89	
121 1,1,1,2,2-Tetrachloroethane	83	12.097	12.097	0.000	94	260579	5.00	4.89	
122 Bromobenzene	156	12.109	12.109	0.000	93	377376	5.00	4.90	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 trans-1,4-Dichloro-2-butene	53	12.121	12.121	0.000	92	286809	25.0	20.4	
124 1,2,3-Trichloropropane	110	12.140	12.140	0.000	82	74020	5.00	4.95	
125 N-Propylbenzene	91	12.176	12.176	0.000	98	1712696	5.00	5.03	
126 2-Chlorotoluene	126	12.255	12.255	0.000	98	368167	5.00	4.95	
127 1,3,5-Trimethylbenzene	105	12.316	12.316	0.000	94	1278950	5.00	4.93	
128 4-Chlorotoluene	126	12.347	12.347	0.000	96	373153	5.00	4.90	
129 tert-Butylbenzene	134	12.560	12.554	0.006	91	279933	5.00	4.49	
131 1,2,4-Trimethylbenzene	105	12.603	12.597	0.006	96	1297461	5.00	4.87	
132 sec-Butylbenzene	105	12.719	12.719	0.000	94	1640064	5.00	4.97	
133 1,3-Dichlorobenzene	146	12.822	12.816	0.006	99	727688	5.00	4.84	
134 4-Isopropyltoluene	119	12.828	12.828	0.000	97	1466016	5.00	4.98	
* 135 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	92	894500	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.895	12.896	-0.001	96	739985	5.00	4.99	
137 1,2,3-Trimethylbenzene	120	12.902	12.902	0.000	98	573982	5.00	4.76	
138 Benzyl chloride	126	12.969	12.969	0.000	98	118448	5.00	5.18	
139 n-Butylbenzene	92	13.121	13.121	0.000	97	670803	5.00	5.09	
140 1,2-Dichlorobenzene	146	13.152	13.152	0.000	100	678044	5.00	4.80	
142 1,2-Dibromo-3-Chloropropane	155	13.694	13.694	0.000	92	43083	5.00	4.95	
143 1,3,5-Trichlorobenzene	180	13.822	13.822	0.000	98	553275	5.00	4.91	
144 1,2,4-Trichlorobenzene	180	14.243	14.243	0.000	94	459542	5.00	5.06	
145 Hexachlorobutadiene	225	14.322	14.322	0.000	95	227652	5.00	5.15	
146 Naphthalene	128	14.420	14.420	0.000	96	823880	5.00	4.99	
147 1,2,3-Trichlorobenzene	180	14.560	14.560	0.000	96	383358	5.00	5.05	
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_00116	Amount Added: 6.25	Units: uL	
MSV_QC_Gas826_00146	Amount Added: 6.25	Units: uL	
MSV_LCS_EE_00007	Amount Added: 6.25	Units: uL	
MSV_LLcentISS_00007	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\ILO2X04.D

Injection Date: 02-Jul-2023 12:46:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: LCSD

Worklist Smp#: 5

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

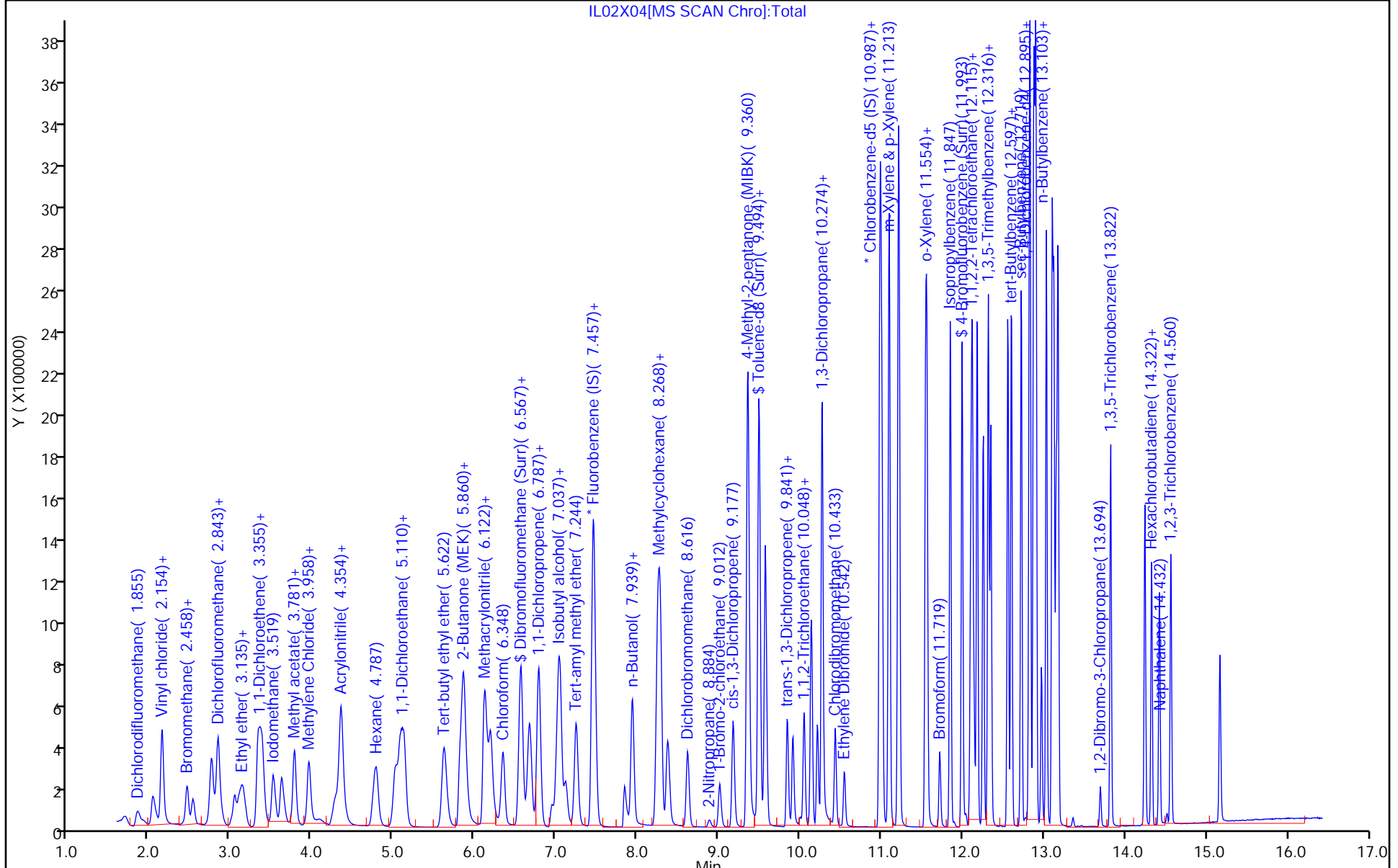
ALS Bottle#: 4

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\20230702-88040.b\IL02X04.D
 Lims ID: LCSD
 Client ID:
 Sample Type: LCSD
 Inject. Date: 02-Jul-2023 12:46:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0088040-005
 Misc. Info.: LCSD
 Operator ID: knk41612 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 02-Jul-2023 13:43:43 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: DVW2 Date: 02-Jul-2023 13:10:31

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	9.97	99.68
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	101.42
\$ 78 Toluene-d8 (Surr)	10.0	9.80	98.02
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.89	98.88

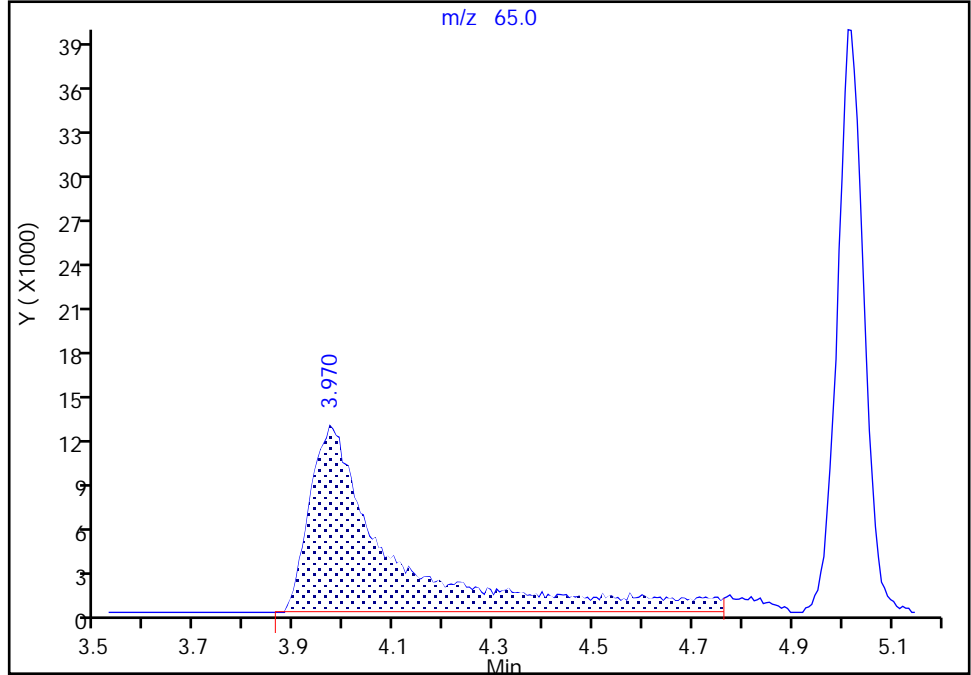
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20230702-88040.b\IL02X04.D
Injection Date: 02-Jul-2023 12:46:30 Instrument ID: 19930
Lims ID: LCSD
Client ID:
Operator ID: knk41612 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

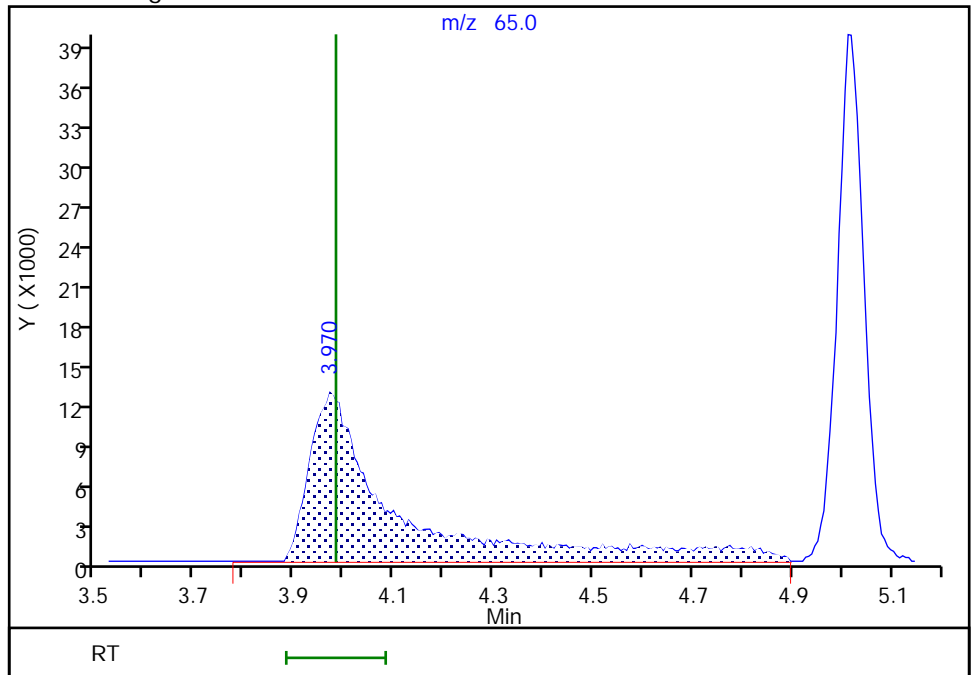
RT: 3.97
Area: 145118
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 3.97
Area: 150824
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 02-Jul-2023 13:10:00 -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.: 410-131835-1

SDG No.:

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

Lab Sample ID: 410-131835-6 MS

Matrix: Water

Lab File ID: IU29X41.D

Analysis Method: 8260D

Date Collected: 06/21/2023 11:35

Sample wt/vol: 25 (mL)

Date Analyzed: 06/30/2023 01:27

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 392483

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.02		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.63		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	4.48		0.50	0.10
79-00-5	1,1,2-Trichloroethane	4.80		0.50	0.080
75-34-3	1,1-Dichloroethane	5.36		0.50	0.10
75-35-4	1,1-Dichloroethene	5.75		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	4.84		0.50	0.080
107-06-2	1,2-Dichloroethane	4.73		0.50	0.070
78-87-5	1,2-Dichloropropane	5.30		0.50	0.10
78-93-3	2-Butanone (MEK)	62.1		5.0	1.0
591-78-6	2-Hexanone	61.1		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	61.7		5.0	1.0
67-64-1	Acetone	56.8		5.0	1.0
71-43-2	Benzene	5.45		0.50	0.10
74-97-5	Bromochloromethane	5.15		0.50	0.080
75-27-4	Bromodichloromethane	4.89		0.50	0.080
75-25-2	Bromoform	4.14		1.0	0.30
74-83-9	Bromomethane	4.05		0.50	0.10
75-15-0	Carbon disulfide	5.20		1.0	0.10
56-23-5	Carbon tetrachloride	5.61		0.50	0.10
108-90-7	Chlorobenzene	5.00		0.50	0.070
75-00-3	Chloroethane	4.46		0.50	0.10
67-66-3	Chloroform	5.35		0.50	0.090
74-87-3	Chloromethane	4.06		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	6.46		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.82		0.50	0.10
124-48-1	Dibromochloromethane	4.57		0.50	0.080
100-41-4	Ethylbenzene	5.19		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.76		0.50	0.080
75-09-2	Methylene Chloride	5.19		0.50	0.20
100-42-5	Styrene	5.04		0.50	0.070
127-18-4	Tetrachloroethene	9.03		0.50	0.20
108-88-3	Toluene	5.25		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

SDG No.:

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

Lab Sample ID: 410-131835-6 MS

Matrix: Water

Lab File ID: IU29X41.D

Analysis Method: 8260D

Date Collected: 06/21/2023 11:35

Sample wt/vol: 25 (mL)

Date Analyzed: 06/30/2023 01:27

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 392483

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	5.29		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	4.71		0.50	0.080
79-01-6	Trichloroethene	6.34		0.50	0.080
75-01-4	Vinyl chloride	4.41		0.50	0.10
1330-20-7	Xylenes, Total	15.5		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)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X41.D
 Lims ID: 410-131835-A-6 MS
 Client ID: HD-COD-SW-15-0/1-0 MS
 Sample Type: MS
 Inject. Date: 30-Jun-2023 01:27:30 ALS Bottle#: 11 Worklist Smp#: 12
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0087928-012
 Operator ID: gaw91131 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 30-Jun-2023 14:38:14 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1674

First Level Reviewer: innook

Date:

30-Jun-2023 14:41:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.855	1.855	0.000	99	300376	5.00	4.10	
4 Chloromethane	50	2.044	2.038	0.006	99	302088	5.00	4.06	
5 Vinyl chloride	62	2.154	2.148	0.006	98	314221	5.00	4.41	
6 Butadiene	39	2.160	2.148	0.012	90	386230	5.00	5.18	
7 Bromomethane	94	2.465	2.459	0.006	90	225151	5.00	4.05	
8 Chloroethane	64	2.544	2.532	0.012	99	189897	5.00	4.46	
9 Dichlorofluoromethane	67	2.770	2.757	0.013	97	484187	5.00	4.07	
10 Trichlorofluoromethane	101	2.837	2.824	0.013	97	430257	5.00	4.75	
11 Ethyl ether	59	3.050	3.044	0.006	89	147911	5.01	3.95	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.142	3.135	0.007	90	328212	5.00	5.08	
15 1,1-Dichloroethene	96	3.343	3.330	0.013	97	281942	5.00	5.75	
16 Acetone	43	3.373	3.361	0.012	100	349940	62.6	56.8	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.391	3.379	0.012	90	311639	5.00	5.98	
18 Iodomethane	142	3.532	3.519	0.013	98	515320	5.00	4.99	
20 Carbon disulfide	76	3.635	3.623	0.012	99	692358	5.00	5.20	
23 Methyl acetate	43	3.776	3.751	0.025	37	120149	5.00	7.90	
24 3-Chloro-1-propene	41	3.794	3.775	0.019	92	385319	5.00	5.05	
25 Methylene Chloride	84	3.971	3.958	0.013	89	268602	5.00	5.19	
* 26 t-Butyl alcohol-d10 (IS)	65	3.989	3.971	0.018	95	128814	50.0	50.0	
27 2-Methyl-2-propanol	59	4.117	4.092	0.025	100	118703	50.0	48.4	
28 Acrylonitrile	53	4.288	4.275	0.013	99	217466	25.0	29.0	
29 Methyl tert-butyl ether	73	4.361	4.342	0.019	88	641342	5.00	4.76	
30 trans-1,2-Dichloroethene	96	4.367	4.355	0.012	98	288966	5.00	5.29	
31 Hexane	57	4.794	4.781	0.013	91	421458	5.00	5.89	
32 1,1-Dichloroethane	63	5.025	5.013	0.012	96	501504	5.00	5.36	
35 Isopropyl ether	45	5.092	5.080	0.012	93	762097	5.00	4.96	
36 2-Chloro-1,3-butadiene	53	5.135	5.123	0.012	89	417803	5.00	5.34	
37 Tert-butyl ethyl ether	59	5.635	5.617	0.018	97	747528	5.00	5.09	
38 2-Butanone (MEK)	43	5.824	5.812	0.012	99	737234	62.6	62.1	
39 cis-1,2-Dichloroethene	96	5.867	5.854	0.013	80	392633	5.00	6.46	
40 2,2-Dichloropropane	77	5.879	5.867	0.012	86	464655	5.00	5.51	
43 Propionitrile	54	5.909	5.897	0.012	98	116808	37.5	37.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
45 Methacrylonitrile	67	6.129	6.116	0.013	90	478811	37.5	38.6	
46 Chlorobromomethane	128	6.196	6.190	0.006	87	142286	5.00	5.15	
47 Tetrahydrofuran	71	6.208	6.196	0.012	74	85760	25.0	22.0	
48 Chloroform	83	6.348	6.342	0.006	93	517179	5.00	5.35	
\$ 49 Dibromofluoromethane (Surr)	113	6.562	6.555	0.007	94	467731	10.0	9.95	
50 1,1,1-Trichloroethane	97	6.574	6.568	0.006	97	507831	5.00	5.63	
51 Cyclohexane	56	6.677	6.671	0.006	88	513343	5.00	6.00	
53 1,1-Dichloropropene	75	6.787	6.781	0.006	96	416275	5.00	5.79	
54 Carbon tetrachloride	117	6.793	6.781	0.012	98	450990	5.00	5.61	
55 Isobutyl alcohol	41	6.958	6.939	0.019	94	95314	125.1	109.5	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.019	7.007	0.012	95	91396	10.0	9.81	
57 Benzene	78	7.049	7.043	0.006	96	1178335	5.00	5.45	
58 1,2-Dichloroethane	62	7.122	7.110	0.012	97	277250	5.00	4.73	
60 Tert-amyl methyl ether	73	7.250	7.244	0.006	99	713582	5.00	5.26	
* 61 Fluorobenzene (IS)	96	7.458	7.452	0.006	98	1829460	10.0	10.0	
62 n-Heptane	43	7.476	7.470	0.006	86	418296	5.00	6.09	
63 n-Butanol	56	7.848	7.836	0.012	88	200223	250.2	299.4	
64 Trichloroethene	95	7.939	7.933	0.006	96	381027	5.00	6.34	
65 Methylcyclohexane	83	8.250	8.244	0.006	91	586867	5.00	6.05	
66 1,2-Dichloropropane	63	8.269	8.262	0.007	97	282836	5.00	5.30	
67 Methyl methacrylate	69	8.366	8.360	0.006	91	125548	5.00	5.14	
68 1,4-Dioxane	88	8.378	8.366	0.012	32	22418	125.1	157.8	
69 Dibromomethane	93	8.378	8.372	0.006	91	133000	5.00	4.97	
71 Dichlorobromomethane	83	8.616	8.610	0.006	99	339547	5.00	4.89	
72 2-Nitropropane	41	8.884	8.878	0.006	99	31241	5.00	3.91	
75 1-Bromo-2-chloroethane	63	9.012	9.006	0.006	98	255740	5.00	4.70	
76 cis-1,3-Dichloropropene	75	9.177	9.171	0.006	97	401768	5.00	4.82	
77 4-Methyl-2-pentanone (MIBK)	43	9.360	9.354	0.006	95	1965270	62.6	61.7	
\$ 78 Toluene-d8 (Surr)	98	9.500	9.494	0.006	92	1882396	10.0	9.84	
79 Toluene	92	9.579	9.573	0.006	99	791786	5.00	5.25	
97 trans-1,3-Dichloropropene	75	9.848	9.841	0.007	91	335333	5.00	4.71	
99 Ethyl methacrylate	69	9.915	9.908	0.007	88	270274	5.00	4.59	
100 1,1,2-Trichloroethane	97	10.049	10.049	0.000	90	204399	5.00	4.80	
101 Tetrachloroethene	166	10.140	10.140	0.000	97	710102	5.00	9.03	
102 1,3-Dichloropropane	76	10.213	10.213	0.000	88	336158	5.00	4.99	
103 2-Hexanone	43	10.274	10.268	0.006	95	1378135	62.6	61.1	
105 Chlorodibromomethane	129	10.433	10.433	0.000	90	253521	5.00	4.57	
106 Ethylene Dibromide	107	10.549	10.542	0.007	98	194474	5.00	4.84	
* 107 Chlorobenzene-d5 (IS)	117	10.981	10.981	0.000	84	1487222	10.0	10.0	
108 1-Chlorohexane	91	10.994	10.994	0.000	95	450918	5.00	5.14	
109 Chlorobenzene	112	11.012	11.006	0.006	97	882441	5.00	5.00	
111 1,1,1,2-Tetrachloroethane	131	11.097	11.091	0.006	96	315565	5.00	5.02	
112 Ethylbenzene	91	11.097	11.097	0.000	98	1526512	5.00	5.19	
113 m-Xylene & p-Xylene	106	11.213	11.213	0.000	93	1241910	10.0	10.4	
114 o-Xylene	106	11.548	11.542	0.006	95	600435	5.00	5.11	
115 Styrene	104	11.561	11.561	0.000	95	952440	5.00	5.04	
116 Bromoform	173	11.719	11.719	0.000	99	148915	5.00	4.14	
117 Isopropylbenzene	105	11.847	11.847	0.000	95	1620460	5.00	5.32	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.993	11.993	0.000	96	717707	10.0	9.96	
121 1,1,2,2-Tetrachloroethane	83	12.097	12.097	0.000	94	242745	5.00	4.48	
122 Bromobenzene	156	12.109	12.109	0.000	92	382660	5.00	4.89	
123 trans-1,4-Dichloro-2-butene	53	12.121	12.121	0.000	90	184000	25.0	15.3	

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	12.140	12.140	0.000	82	69692	5.00	4.58	
125 N-Propylbenzene	91	12.176	12.176	0.000	99	1800481	5.00	5.20	
126 2-Chlorotoluene	126	12.256	12.256	0.000	98	384133	5.00	5.08	
127 1,3,5-Trimethylbenzene	105	12.317	12.316	0.001	94	1318329	5.00	4.99	
128 4-Chlorotoluene	126	12.347	12.347	0.000	96	389037	5.00	5.02	
129 tert-Butylbenzene	134	12.554	12.554	0.000	93	295235	5.00	4.65	
131 1,2,4-Trimethylbenzene	105	12.603	12.597	0.006	96	1340683	5.00	4.94	
132 sec-Butylbenzene	105	12.725	12.719	0.006	93	1756853	5.00	5.23	
133 1,3-Dichlorobenzene	146	12.823	12.816	0.007	98	752200	5.00	4.92	
134 4-Isopropyltoluene	119	12.829	12.829	0.000	97	1539984	5.00	5.14	
* 135 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	92	910158	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.896	12.896	0.000	95	748549	5.00	4.96	
137 1,2,3-Trimethylbenzene	120	12.902	12.902	0.000	98	580012	5.00	4.73	
138 Benzyl chloride	126	12.969	12.969	0.000	98	107599	5.00	4.62	
139 n-Butylbenzene	92	13.121	13.121	0.000	97	707074	5.00	5.27	
140 1,2-Dichlorobenzene	146	13.152	13.152	0.000	99	673184	5.00	4.68	
142 1,2-Dibromo-3-Chloropropane	155	13.694	13.694	0.000	92	37153	5.00	4.20	
143 1,3,5-Trichlorobenzene	180	13.822	13.822	0.000	98	552494	5.00	4.81	
144 1,2,4-Trichlorobenzene	180	14.243	14.243	0.000	94	443028	5.00	4.80	
145 Hexachlorobutadiene	225	14.328	14.322	0.006	96	234979	5.00	5.22	
146 Naphthalene	128	14.420	14.420	0.000	96	753055	5.00	4.48	
147 1,2,3-Trichlorobenzene	180	14.560	14.560	0.000	96	360588	5.00	4.67	
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

Reagents:

MSV_LCS_VOC#1_00116	Amount Added: 5.38	Units: uL	
MSV_QC_Gas826_00146	Amount Added: 5.38	Units: uL	
MSV_LCS_EE_00007	Amount Added: 5.38	Units: uL	
MSV_LLcentISS_00007	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X41.D

Injection Date: 30-Jun-2023 01:27:30

Instrument ID: 19930

Operator ID: gaw91131

Lims ID: 410-131835-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

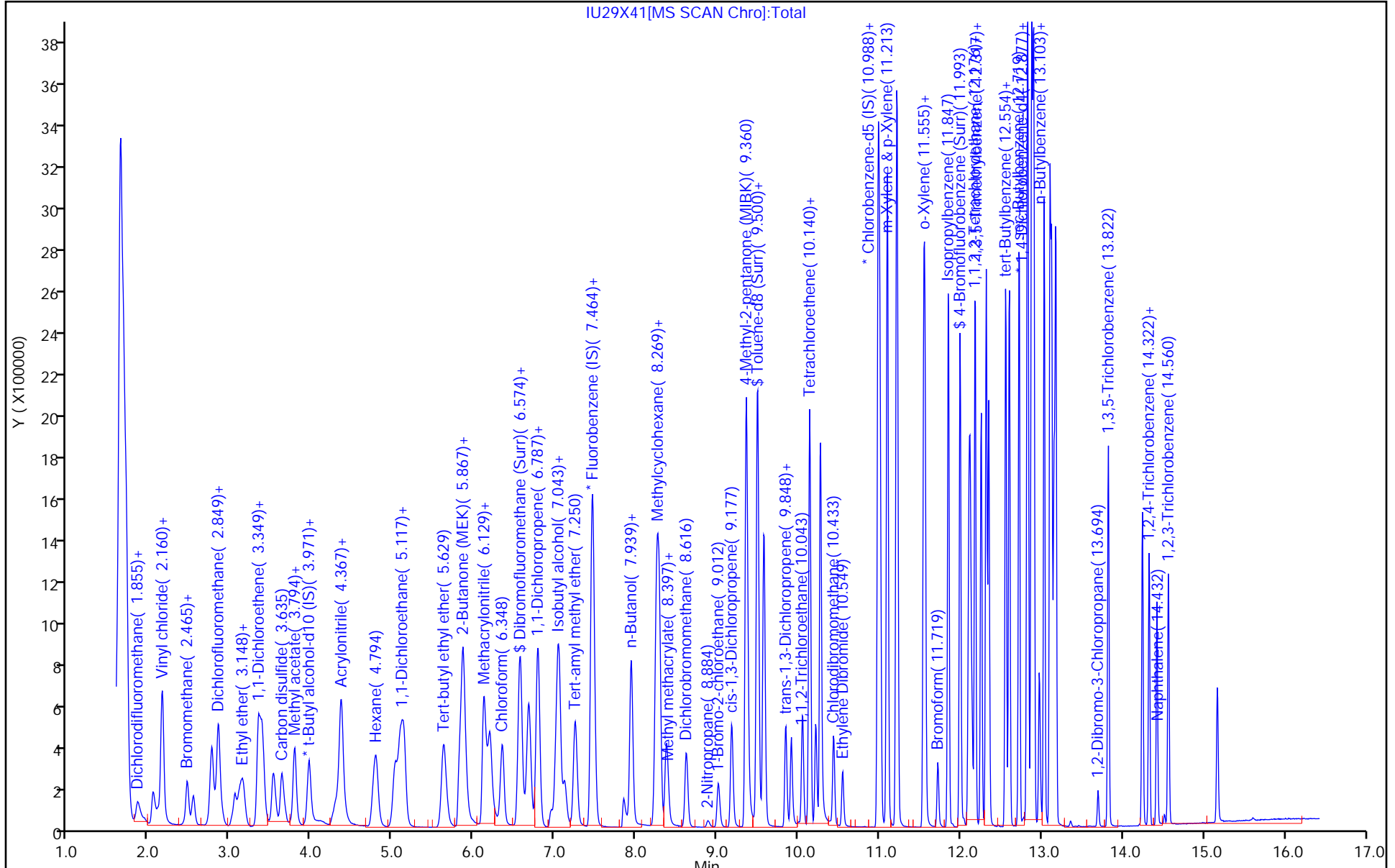
ALS Bottle#: 11

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
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X41.D
 Lims ID: 410-131835-A-6 MS
 Client ID: HD-COD-SW-15-0/1-0 MS
 Sample Type: MS
 Inject. Date: 30-Jun-2023 01:27:30 ALS Bottle#: 11 Worklist Smp#: 12
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0087928-012
 Operator ID: gaw91131 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 30-Jun-2023 14:38:14 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1674

First Level Reviewer: innook Date: 30-Jun-2023 14:41:31

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	9.95	99.54
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	9.81	98.09
\$ 78 Toluene-d8 (Surr)	10.0	9.84	98.45
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.96	99.61

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-131835-1

SDG No.:

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

Lab Sample ID: 410-131835-6 MSD

Matrix: Water

Lab File ID: IU29X42.D

Analysis Method: 8260D

Date Collected: 06/21/2023 11:35

Sample wt/vol: 25 (mL)

Date Analyzed: 06/30/2023 01:48

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.: 392483

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.30		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.93		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	4.99		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.06		0.50	0.080
75-34-3	1,1-Dichloroethane	5.63		0.50	0.10
75-35-4	1,1-Dichloroethene	6.06		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.16		0.50	0.080
107-06-2	1,2-Dichloroethane	5.00		0.50	0.070
78-87-5	1,2-Dichloropropane	5.55		0.50	0.10
78-93-3	2-Butanone (MEK)	58.4		5.0	1.0
591-78-6	2-Hexanone	57.3		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	57.8		5.0	1.0
67-64-1	Acetone	55.4		5.0	1.0
71-43-2	Benzene	5.76		0.50	0.10
74-97-5	Bromochloromethane	5.42		0.50	0.080
75-27-4	Bromodichloromethane	5.15		0.50	0.080
75-25-2	Bromoform	4.42		1.0	0.30
74-83-9	Bromomethane	4.27		0.50	0.10
75-15-0	Carbon disulfide	5.56		1.0	0.10
56-23-5	Carbon tetrachloride	5.91		0.50	0.10
108-90-7	Chlorobenzene	5.25		0.50	0.070
75-00-3	Chloroethane	4.71		0.50	0.10
67-66-3	Chloroform	5.59		0.50	0.090
74-87-3	Chloromethane	4.36		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	6.80		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.19		0.50	0.10
124-48-1	Dibromochloromethane	4.84		0.50	0.080
100-41-4	Ethylbenzene	5.49		0.50	0.080
1634-04-4	Methyl tert-butyl ether	5.16		0.50	0.080
75-09-2	Methylene Chloride	5.40		0.50	0.20
100-42-5	Styrene	5.28		0.50	0.070
127-18-4	Tetrachloroethene	9.58		0.50	0.20
108-88-3	Toluene	5.58		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-131835-1
 Environment Testing, LLC

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 MSD Lab Sample ID: 410-131835-6 MSD
 MSD

Matrix: Water Lab File ID: IU29X42.D

Analysis Method: 8260D Date Collected: 06/21/2023 11:35

Sample wt/vol: 25 (mL) Date Analyzed: 06/30/2023 01:48

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.: 392483 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	5.55		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.02		0.50	0.080
79-01-6	Trichloroethene	6.73		0.50	0.080
75-01-4	Vinyl chloride	4.63		0.50	0.10
1330-20-7	Xylenes, Total	16.4		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)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X42.D
 Lims ID: 410-131835-A-6 MSD
 Client ID: HD-COD-SW-15-0/1-0 MSD
 Sample Type: MSD
 Inject. Date: 30-Jun-2023 01:48:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0087928-013
 Operator ID: gaw91131 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 30-Jun-2023 14:38:14 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1674

First Level Reviewer: innook

Date:

30-Jun-2023 14:42:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.855	1.855	0.000	99	299957	5.00	4.33	
4 Chloromethane	50	2.044	2.038	0.006	99	306911	5.00	4.36	
5 Vinyl chloride	62	2.154	2.148	0.006	73	311594	5.00	4.63	
6 Butadiene	39	2.154	2.148	0.006	89	376946	5.00	5.35	
7 Bromomethane	94	2.465	2.459	0.006	90	224331	5.00	4.27	
8 Chloroethane	64	2.532	2.532	0.000	99	189635	5.00	4.71	
9 Dichlorofluoromethane	67	2.763	2.757	0.006	97	483860	5.00	4.30	
10 Trichlorofluoromethane	101	2.824	2.824	0.000	95	416479	5.00	4.86	
11 Ethyl ether	59	3.050	3.044	0.006	89	150992	5.01	4.27	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.135	3.135	0.000	90	330805	5.00	5.41	
15 1,1-Dichloroethene	96	3.337	3.330	0.006	96	281140	5.00	6.06	
16 Acetone	43	3.367	3.361	0.006	100	371576	62.6	55.4	
17 1,1,2-Trichloro-1,2,2-trifluoro	101	3.385	3.379	0.006	90	315232	5.00	6.40	
18 Iodomethane	142	3.519	3.519	0.000	98	513185	5.00	5.26	
20 Carbon disulfide	76	3.629	3.623	0.006	99	699221	5.00	5.56	
23 Methyl acetate	43	3.769	3.751	0.018	37	128254	5.00	7.76	
24 3-Chloro-1-propene	41	3.782	3.775	0.007	92	385549	5.00	5.35	
25 Methylene Chloride	84	3.964	3.958	0.006	89	264302	5.00	5.40	
* 26 t-Butyl alcohol-d10 (IS)	65	3.977	3.971	0.006	96	140108	50.0	50.0	
27 2-Methyl-2-propanol	59	4.099	4.092	0.007	99	127882	50.0	48.0	
28 Acrylonitrile	53	4.281	4.275	0.006	99	221369	25.0	27.2	
29 Methyl tert-butyl ether	73	4.349	4.342	0.006	94	656409	5.00	5.16	
30 trans-1,2-Dichloroethene	96	4.361	4.355	0.006	98	286804	5.00	5.55	
31 Hexane	57	4.787	4.781	0.006	90	423896	5.00	6.26	
32 1,1-Dichloroethane	63	5.019	5.013	0.006	96	497790	5.00	5.63	
35 Isopropyl ether	45	5.086	5.080	0.006	93	763840	5.00	5.26	
36 2-Chloro-1,3-butadiene	53	5.135	5.123	0.012	89	417861	5.00	5.65	
37 Tert-butyl ethyl ether	59	5.623	5.617	0.006	97	755973	5.00	5.45	
38 2-Butanone (MEK)	43	5.824	5.812	0.012	99	753657	62.6	58.4	
39 cis-1,2-Dichloroethene	96	5.860	5.854	0.006	80	390357	5.00	6.80	
40 2,2-Dichloropropane	77	5.866	5.867	-0.001	85	460485	5.00	5.78	
43 Propionitrile	54	5.909	5.897	0.012	98	128755	37.5	37.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
45 Methacrylonitrile	67	6.123	6.116	0.007	91	492342	37.5	36.5	
46 Chlorobromomethane	128	6.196	6.190	0.006	89	141646	5.00	5.42	
47 Tetrahydrofuran	71	6.202	6.196	0.006	87	99243	25.0	23.4	
48 Chloroform	83	6.348	6.342	0.006	92	510957	5.00	5.59	
\$ 49 Dibromofluoromethane (Surr)	113	6.561	6.555	0.006	95	443276	10.0	9.98	
50 1,1,1-Trichloroethane	97	6.574	6.568	0.006	98	506225	5.00	5.93	
51 Cyclohexane	56	6.677	6.671	0.006	88	517117	5.00	6.40	
53 1,1-Dichloropropene	75	6.787	6.781	0.006	96	411331	5.00	6.05	
54 Carbon tetrachloride	117	6.787	6.781	0.006	95	449506	5.00	5.91	
55 Isobutyl alcohol	41	6.952	6.939	0.013	92	103130	125.1	108.9	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	7.013	7.007	0.006	89	86083	10.0	9.77	
57 Benzene	78	7.043	7.043	0.000	96	1175491	5.00	5.76	
58 1,2-Dichloroethane	62	7.122	7.110	0.012	97	277016	5.00	5.00	
60 Tert-amyl methyl ether	73	7.250	7.244	0.006	99	716281	5.00	5.59	
* 61 Fluorobenzene (IS)	96	7.452	7.452	0.000	98	1729774	10.0	10.0	
62 n-Heptane	43	7.470	7.470	0.000	85	420282	5.00	6.47	
63 n-Butanol	56	7.848	7.836	0.012	88	226559	250.2	311.5	
64 Trichloroethene	95	7.939	7.933	0.006	96	382444	5.00	6.73	
65 Methylcyclohexane	83	8.244	8.244	0.000	89	590610	5.00	6.43	
66 1,2-Dichloropropane	63	8.268	8.262	0.006	97	280178	5.00	5.55	
67 Methyl methacrylate	69	8.366	8.360	0.006	88	126229	5.00	4.75	
68 1,4-Dioxane	88	8.372	8.366	0.006	31	27547	125.1	178.3	
69 Dibromomethane	93	8.378	8.372	0.006	91	134123	5.00	5.30	
71 Dichlorobromomethane	83	8.622	8.610	0.012	99	338056	5.00	5.15	
72 2-Nitropropane	41	8.884	8.878	0.006	98	31560	5.00	3.63	
75 1-Bromo-2-chloroethane	63	9.012	9.006	0.006	98	259062	5.00	5.03	
76 cis-1,3-Dichloropropene	75	9.177	9.171	0.006	97	409157	5.00	5.19	
77 4-Methyl-2-pentanone (MIBK)	43	9.360	9.354	0.006	95	2004818	62.6	57.8	
\$ 78 Toluene-d8 (Surr)	98	9.494	9.494	0.000	93	1775432	10.0	9.87	
79 Toluene	92	9.573	9.573	0.000	98	791634	5.00	5.58	
97 trans-1,3-Dichloropropene	75	9.841	9.841	0.000	91	336088	5.00	5.02	
99 Ethyl methacrylate	69	9.914	9.908	0.006	88	272445	5.00	4.92	
100 1,1,2-Trichloroethane	97	10.049	10.049	0.000	90	202766	5.00	5.06	
101 Tetrachloroethene	166	10.140	10.140	0.000	97	709268	5.00	9.58	
102 1,3-Dichloropropane	76	10.213	10.213	0.000	88	334833	5.00	5.28	
103 2-Hexanone	43	10.274	10.268	0.006	95	1404518	62.6	57.3	
105 Chlorodibromomethane	129	10.433	10.433	0.000	90	252615	5.00	4.84	
106 Ethylene Dibromide	107	10.549	10.542	0.006	100	195086	5.00	5.16	
* 107 Chlorobenzene-d5 (IS)	117	10.981	10.981	0.000	84	1399670	10.0	10.0	
108 1-Chlorohexane	91	10.994	10.994	0.000	95	449762	5.00	5.44	
109 Chlorobenzene	112	11.012	11.006	0.006	97	872530	5.00	5.25	
111 1,1,1,2-Tetrachloroethane	131	11.091	11.091	0.000	96	313839	5.00	5.30	
112 Ethylbenzene	91	11.097	11.097	0.000	98	1519002	5.00	5.49	
113 m-Xylene & p-Xylene	106	11.213	11.213	0.000	93	1235518	10.0	11.0	
114 o-Xylene	106	11.548	11.542	0.006	95	592402	5.00	5.36	
115 Styrene	104	11.561	11.561	-0.001	94	939739	5.00	5.28	
116 Bromoform	173	11.719	11.719	0.000	99	149411	5.00	4.42	
117 Isopropylbenzene	105	11.847	11.847	0.000	95	1614131	5.00	5.63	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.993	11.993	0.000	96	677791	10.0	10.0	
121 1,1,2,2-Tetrachloroethane	83	12.097	12.097	0.000	94	253781	5.00	4.99	
122 Bromobenzene	156	12.109	12.109	0.000	93	384848	5.00	5.24	
123 trans-1,4-Dichloro-2-butene	53	12.121	12.121	0.000	91	194539	25.0	14.9	

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	12.140	12.140	0.000	82	70614	5.00	4.95	
125 N-Propylbenzene	91	12.182	12.176	0.006	98	1782886	5.00	5.48	
126 2-Chlorotoluene	126	12.255	12.256	-0.001	98	377590	5.00	5.32	
127 1,3,5-Trimethylbenzene	105	12.316	12.316	0.000	94	1320370	5.00	5.33	
128 4-Chlorotoluene	126	12.347	12.347	0.000	97	383621	5.00	5.27	
129 tert-Butylbenzene	134	12.560	12.554	0.006	91	294575	5.00	4.95	
131 1,2,4-Trimethylbenzene	105	12.603	12.597	0.006	97	1326721	5.00	5.21	
132 sec-Butylbenzene	105	12.719	12.719	0.000	94	1733401	5.00	5.50	
133 1,3-Dichlorobenzene	146	12.822	12.816	0.006	99	739003	5.00	5.15	
134 4-Isopropyltoluene	119	12.829	12.829	0.000	97	1524250	5.00	5.42	
* 135 1,4-Dichlorobenzene-d4	152	12.877	12.877	0.000	92	854070	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.896	12.896	0.000	96	747047	5.00	5.28	
137 1,2,3-Trimethylbenzene	120	12.902	12.902	0.000	98	575450	5.00	5.00	
138 Benzyl chloride	126	12.969	12.969	0.000	98	107921	5.00	4.94	
139 n-Butylbenzene	92	13.121	13.121	0.000	97	691342	5.00	5.49	
140 1,2-Dichlorobenzene	146	13.152	13.152	0.000	99	674559	5.00	5.00	
142 1,2-Dibromo-3-Chloropropane	155	13.694	13.694	0.000	92	37886	5.00	4.56	
143 1,3,5-Trichlorobenzene	180	13.822	13.822	0.000	98	546086	5.00	5.07	
144 1,2,4-Trichlorobenzene	180	14.243	14.243	0.000	94	437975	5.00	5.06	
145 Hexachlorobutadiene	225	14.322	14.322	0.000	95	232501	5.00	5.51	
146 Naphthalene	128	14.420	14.420	0.000	96	775792	5.00	4.92	
147 1,2,3-Trichlorobenzene	180	14.560	14.560	0.000	96	365976	5.00	5.05	
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

Reagents:

MSV_LCS_VOC#1_00116	Amount Added: 5.38	Units: uL	
MSV_QC_Gas826_00146	Amount Added: 5.38	Units: uL	
MSV_LCS_EE_00007	Amount Added: 5.38	Units: uL	
MSV_LLcentISS_00007	Amount Added: 5.00	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X42.D

Injection Date: 30-Jun-2023 01:48:30

Instrument ID: 19930

Operator ID: gaw91131

Lims ID: 410-131835-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

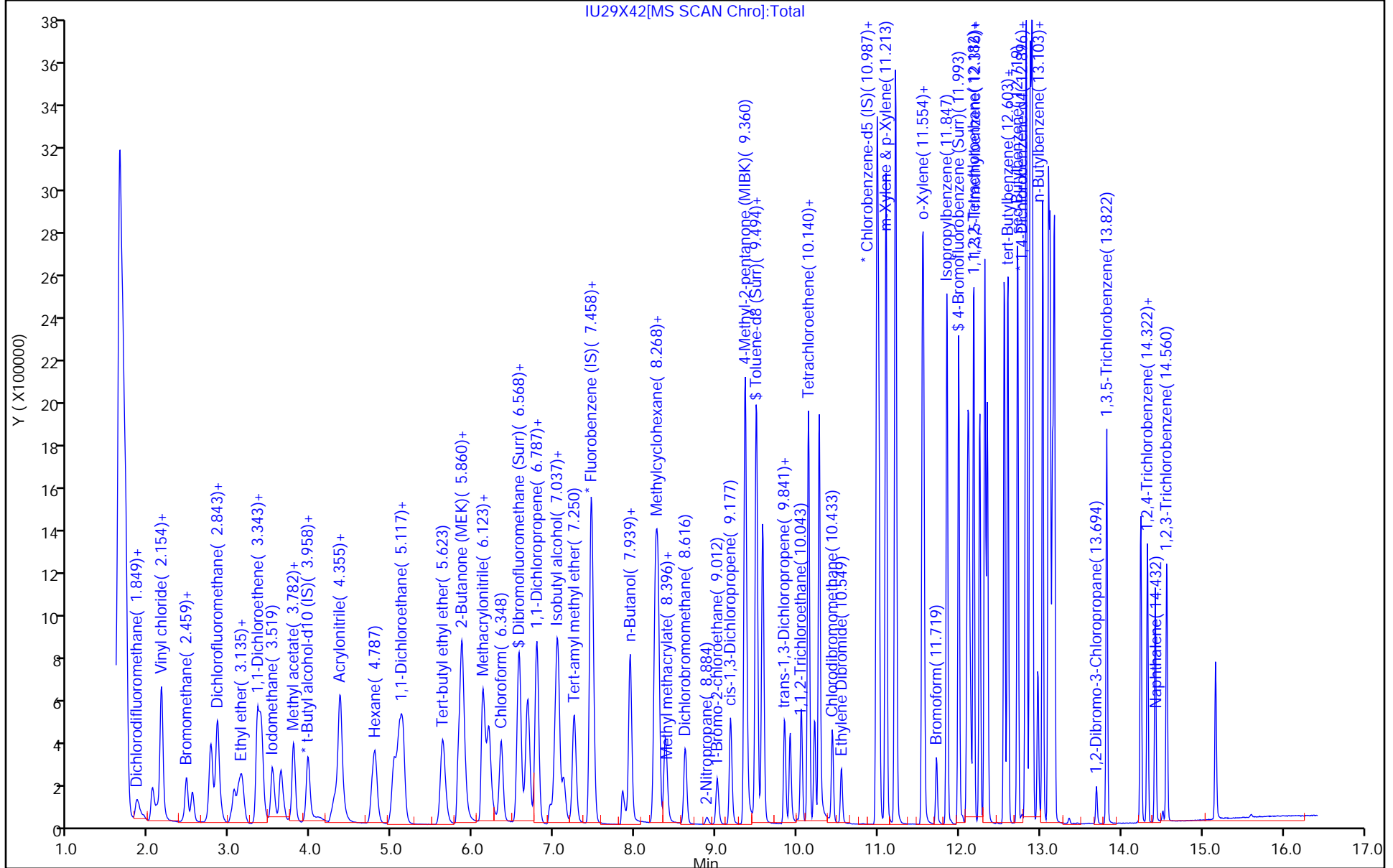
ALS Bottle#: 12

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
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\IU29X42.D
 Lims ID: 410-131835-A-6 MSD
 Client ID: HD-COD-SW-15-0/1-0 MSD
 Sample Type: MSD
 Inject. Date: 30-Jun-2023 01:48:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0087928-013
 Operator ID: gaw91131 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20230629-87928.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 30-Jun-2023 14:38:14 Calib Date: 19-Jun-2023 20:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20230619-86929.b\IU19X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1674

First Level Reviewer: innook

Date: 30-Jun-2023 14:42:06

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	9.98	99.77
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	9.77	97.72
\$ 78 Toluene-d8 (Surr)	10.0	9.87	98.66
\$ 120 4-Bromofluorobenzene (Surr)	10.0	10.0	99.96

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-131835-1

SDG No.: _____

Instrument ID: 16334Start Date: 06/12/2023 20:26Analysis Batch Number: 385635End Date: 06/13/2023 03:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-385635/1		06/12/2023 20:26	1	JU12T01.D	R-624Si1MS 30m 0.25 (mm)
IC 410-385635/3		06/12/2023 21:01	1	JU12X02.D	R-624Si1MS 30m 0.25 (mm)
IC 410-385635/4		06/12/2023 21:23	1	JU12X03.D	R-624Si1MS 30m 0.25 (mm)
IC 410-385635/5		06/12/2023 21:45	1	JU12X04.D	R-624Si1MS 30m 0.25 (mm)
IC 410-385635/6		06/12/2023 22:08	1	JU12X05.D	R-624Si1MS 30m 0.25 (mm)
IC 410-385635/7		06/12/2023 22:30	1	JU12X06.D	R-624Si1MS 30m 0.25 (mm)
IC 410-385635/8		06/12/2023 22:52	1	JU12X07.D	R-624Si1MS 30m 0.25 (mm)
IC 410-385635/9		06/12/2023 23:14	1	JU12X08.D	R-624Si1MS 30m 0.25 (mm)
ICV 410-385635/11		06/12/2023 23:58	1		R-624Si1MS 30m 0.25 (mm)
IC 410-385635/13		06/13/2023 00:42	1	JU12X12.D	R-624Si1MS 30m 0.25 (mm)
IC 410-385635/14		06/13/2023 01:04	1	JU12X13.D	R-624Si1MS 30m 0.25 (mm)
IC 410-385635/15		06/13/2023 01:26	1	JU12X14.D	R-624Si1MS 30m 0.25 (mm)
IC 410-385635/16		06/13/2023 01:48	1	JU12X15.D	R-624Si1MS 30m 0.25 (mm)
IC 410-385635/17		06/13/2023 02:11	1	JU12X16.D	R-624Si1MS 30m 0.25 (mm)
ICIS 410-385635/18		06/13/2023 02:33	1	JU12X17.D	R-624Si1MS 30m 0.25 (mm)
IC 410-385635/19		06/13/2023 02:55	1	JU12X18.D	R-624Si1MS 30m 0.25 (mm)
ICV 410-385635/21		06/13/2023 03:39	1	JU12X20.D	R-624Si1MS 30m 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-131835-1

SDG No.: _____

Instrument ID: 19930Start Date: 06/19/2023 14:12Analysis Batch Number: 388102End Date: 06/19/2023 21:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-388102/1		06/19/2023 14:12	1	IU19T01.D	R-624Si1MS 30m 0.25 (mm)
IC 410-388102/3		06/19/2023 14:49	1	IU19X02.D	R-624Si1MS 30m 0.25 (mm)
IC 410-388102/4		06/19/2023 15:10	1	IU19X03.D	R-624Si1MS 30m 0.25 (mm)
IC 410-388102/5		06/19/2023 15:31	1	IU19X04.D	R-624Si1MS 30m 0.25 (mm)
IC 410-388102/6		06/19/2023 15:52	1	IU19X05.D	R-624Si1MS 30m 0.25 (mm)
IC 410-388102/7		06/19/2023 16:13	1	IU19X06.D	R-624Si1MS 30m 0.25 (mm)
IC 410-388102/8		06/19/2023 16:34	1	IU19X07.D	R-624Si1MS 30m 0.25 (mm)
IC 410-388102/9		06/19/2023 16:55	1	IU19X08.D	R-624Si1MS 30m 0.25 (mm)
ICV 410-388102/11		06/19/2023 17:37	1		R-624Si1MS 30m 0.25 (mm)
IC 410-388102/13		06/19/2023 18:19	1	IU19X12.D	R-624Si1MS 30m 0.25 (mm)
IC 410-388102/14		06/19/2023 18:40	1	IU19X13.D	R-624Si1MS 30m 0.25 (mm)
IC 410-388102/15		06/19/2023 19:01	1	IU19X14.D	R-624Si1MS 30m 0.25 (mm)
IC 410-388102/16		06/19/2023 19:22	1	IU19X15.D	R-624Si1MS 30m 0.25 (mm)
IC 410-388102/17		06/19/2023 19:42	1	IU19X16.D	R-624Si1MS 30m 0.25 (mm)
ICIS 410-388102/18		06/19/2023 20:03	1	IU19X17.D	R-624Si1MS 30m 0.25 (mm)
IC 410-388102/19		06/19/2023 20:25	1	IU19X18.D	R-624Si1MS 30m 0.25 (mm)
ICV 410-388102/21		06/19/2023 21:07	1	IU19X20.D	R-624Si1MS 30m 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-131835-1

SDG No.: _____

Instrument ID: 19930 Start Date: 06/29/2023 21:45

Analysis Batch Number: 392483 End Date: 06/30/2023 07:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-392483/1		06/29/2023 21:45	1	IU29T32.D	R-624Si1MS 30m 0.25 (mm)
CCVIS 410-392483/3		06/29/2023 22:18	1	IU29X32.D	R-624Si1MS 30m 0.25 (mm)
LCS 410-392483/4		06/29/2023 22:39	1	IU29X33.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ		06/29/2023 23:00	1		R-624Si1MS 30m 0.25 (mm)
MB 410-392483/6		06/29/2023 23:21	1	IU29X35.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ		06/29/2023 23:42	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		06/30/2023 00:03	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		06/30/2023 00:24	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		06/30/2023 00:45	1		R-624Si1MS 30m 0.25 (mm)
410-131835-6	HD-COD-SW-15-0/1-0	06/30/2023 01:06	1	IU29X40.D	R-624Si1MS 30m 0.25 (mm)
410-131835-6 MS	HD-COD-SW-15-0/1-0 MS MS	06/30/2023 01:27	1	IU29X41.D	R-624Si1MS 30m 0.25 (mm)
410-131835-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	06/30/2023 01:48	1	IU29X42.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ		06/30/2023 02:30	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		06/30/2023 02:51	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		06/30/2023 03:12	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		06/30/2023 03:54	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		06/30/2023 04:15	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		06/30/2023 04:36	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		06/30/2023 04:57	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		06/30/2023 05:18	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		06/30/2023 05:39	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		06/30/2023 06:01	1		R-624Si1MS 30m 0.25 (mm)
410-131835-2	HD-COD-SW-7-0/1-0	06/30/2023 06:22	1	IU29X55.D	R-624Si1MS 30m 0.25 (mm)
410-131835-3	HD-COD-SW-8-0/1-0	06/30/2023 06:43	1	IU29X56.D	R-624Si1MS 30m 0.25 (mm)
410-131835-4	HD-COD-SW-9-0/1-0	06/30/2023 07:04	1	IU29X57.D	R-624Si1MS 30m 0.25 (mm)
410-131835-5	HD-COD-SW-13-0/1-0	06/30/2023 07:25	1	IU29X58.D	R-624Si1MS 30m 0.25 (mm)
410-131835-7	HD-COD-SW-16-0/1-0	06/30/2023 07:46	1	IU29X59.D	R-624Si1MS 30m 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-131835-1

SDG No.: _____

Instrument ID: 19930 Start Date: 07/02/2023 11:22

Analysis Batch Number: 393012 End Date: 07/02/2023 21:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-393012/1		07/02/2023 11:22	1	IL02T01.D	R-624Si1MS 30m 0.25 (mm)
CCVIS 410-393012/3		07/02/2023 12:04	1	IL02X02.D	R-624Si1MS 30m 0.25 (mm)
LCS 410-393012/4		07/02/2023 12:25	1	IL02X03.D	R-624Si1MS 30m 0.25 (mm)
LCSD 410-393012/5		07/02/2023 12:46	1	IL02X04.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2023 13:06	1		R-624Si1MS 30m 0.25 (mm)
MB 410-393012/7		07/02/2023 13:27	1	IL02X06.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2023 13:49	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2023 14:10	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2023 14:32	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2023 14:53	1		R-624Si1MS 30m 0.25 (mm)
410-131835-8	HD-COD-SW-17-0/1-0	07/02/2023 15:14	1	IL02X11.D	R-624Si1MS 30m 0.25 (mm)
410-131835-8 DL	HD-COD-SW-17-0/1-0 DL	07/02/2023 15:34	10	IL02X12.D	R-624Si1MS 30m 0.25 (mm)
410-131835-9	HD-COD-SW-26-0/1-0	07/02/2023 15:55	1	IL02X13.D	R-624Si1MS 30m 0.25 (mm)
410-131835-10	HD-COD-SW-27-0/1-0	07/02/2023 16:16	1	IL02X14.D	R-624Si1MS 30m 0.25 (mm)
410-131835-11	HD-COD-SW-28-0/1-0	07/02/2023 16:37	1	IL02X15.D	R-624Si1MS 30m 0.25 (mm)
410-131835-12	HD-COD-SW-29-0/1-0	07/02/2023 16:59	1	IL02X16.D	R-624Si1MS 30m 0.25 (mm)
410-131835-13	HD-QC1-0/1-1	07/02/2023 17:20	1	IL02X17.D	R-624Si1MS 30m 0.25 (mm)
410-131835-13 DL	HD-QC1-0/1-1 DL	07/02/2023 17:41	10	IL02X18.D	R-624Si1MS 30m 0.25 (mm)
410-131835-14	HD-QC1-0/1-2	07/02/2023 18:02	1	IL02X19.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2023 18:23	10		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2023 18:44	2		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2023 19:05	10		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2023 19:26	10		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2023 19:46	10		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2023 20:07	10		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2023 20:28	100		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2023 20:49	10		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2023 21:10	2		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/02/2023 21:32	2		R-624Si1MS 30m 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Enviror Job No.: 410-131835-1

SDG No.: _____

Instrument ID: 16334 Start Date: 07/05/2023 09:24

Analysis Batch Number: 393586 End Date: 07/05/2023 20:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-393586/1		07/05/2023 09:24	1	GL05T01.D	R-624Si1MS 30m 0.25 (mm)
CCVIS 410-393586/3		07/05/2023 09:59	1	GL05X02.D	R-624Si1MS 30m 0.25 (mm)
LCS 410-393586/4		07/05/2023 10:21	1	GL05X03.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/05/2023 10:43	1		R-624Si1MS 30m 0.25 (mm)
MB 410-393586/6		07/05/2023 11:05	1	GL05X05.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/05/2023 12:11	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/05/2023 12:33	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/05/2023 12:56	1		R-624Si1MS 30m 0.25 (mm)
410-131835-1	HD-COD-SW-6-0/1-0	07/05/2023 14:02	1	GL05X13.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/05/2023 14:24	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/05/2023 14:46	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/05/2023 15:08	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/05/2023 15:30	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/05/2023 15:52	5		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/05/2023 16:14	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/05/2023 16:36	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/05/2023 16:58	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/05/2023 17:20	10		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/05/2023 17:42	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/05/2023 18:04	5		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/05/2023 18:26	10		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/05/2023 18:48	10		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/05/2023 19:10	10		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/05/2023 19:32	100		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/05/2023 19:54	10		R-624Si1MS 30m 0.25 (mm)
ZZZZZ		07/05/2023 20:16	100		R-624Si1MS 30m 0.25 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-131835-1

SDG No.: _____

Batch Number: 385635 Batch Start Date: 06/12/23 20:26 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 00006	MSV_29_826ISS 00046	MSV_CCV_CYC 00005
BFB 410-385635/1		8260D		1 uL	1 uL				
IC 410-385635/3		8260D		25 mL	25 mL	2692			1.6 uL
IC 410-385635/4		8260D		25 mL	25 mL	2692			4 uL
IC 410-385635/5		8260D		25 mL	25 mL	2692			8 uL
IC 410-385635/6		8260D		25 mL	25 mL	2692			8 uL
IC 410-385635/7		8260D		25 mL	25 mL	2692			8 uL
IC 410-385635/8		8260D		25 mL	25 mL	2692			8 uL
IC 410-385635/9		8260D		25 mL	25 mL	2692			20 uL
IC 410-385635/13		8260D		25 mL	25 mL	2692		1 uL	
IC 410-385635/14		8260D		25 mL	25 mL	2692		1 uL	
IC 410-385635/15		8260D		25 mL	25 mL	2692		1 uL	
IC 410-385635/16		8260D		25 mL	25 mL	2692		1 uL	
IC 410-385635/17		8260D		25 mL	25 mL	2692		1 uL	
ICIS 410-385635/18		8260D		25 mL	25 mL	2692		1 uL	
IC 410-385635/19		8260D		25 mL	25 mL	2692		1 uL	
ICV 410-385635/21		8260D		25 mL	25 mL	2692	12.5 uL	1 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_CCV_V5ACE 00025	MSV_DME 00046	MSV_HP29_ISO 00002	MSV_LCS_ACROL 00117	MSV_LCS_EE 00007	MSV_LCS_Penta 00029
BFB 410-385635/1		8260D							
IC 410-385635/3		8260D		0.2 uL	0.2 uL	1 uL			
IC 410-385635/4		8260D		0.5 uL	0.5 uL	1 uL			
IC 410-385635/5		8260D		1 uL	1 uL	1 uL			
IC 410-385635/6		8260D		1 uL	1 uL	1 uL			
IC 410-385635/7		8260D		1 uL	1 uL	1 uL			
IC 410-385635/8		8260D		1 uL	1 uL	1 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-131835-1

SDG No.: _____

Batch Number: 385635 Batch Start Date: 06/12/23 20:26 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_CCV_V5ACE 00025	MSV_DME 00046	MSV_HP29_ISO 00002	MSV_LCS_ACROL 00117	MSV_LCS_EE 00007	MSV_LCS_Penta 00029
IC 410-385635/9		8260D		2.5 uL	2.5 uL	1 uL			
IC 410-385635/13		8260D							
IC 410-385635/14		8260D							
IC 410-385635/15		8260D							
IC 410-385635/16		8260D							
IC 410-385635/17		8260D							
ICIS 410-385635/18		8260D							
IC 410-385635/19		8260D							
ICV 410-385635/21		8260D					12.5 uL	12.5 uL	12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LCS_VOC#1 00113	MSV_LL_#1_826 00080	MSV_LL_#2_826 00091	MSV_LL_GAS826 00155	MSV_QC_Gas826 00144	MSV_V_BFB 00011
BFB 410-385635/1		8260D							1 uL
IC 410-385635/3		8260D							
IC 410-385635/4		8260D							
IC 410-385635/5		8260D							
IC 410-385635/6		8260D							
IC 410-385635/7		8260D							
IC 410-385635/8		8260D							
IC 410-385635/9		8260D							
IC 410-385635/13		8260D			2 uL	2 uL	2 uL		
IC 410-385635/14		8260D			2 uL	2 uL	2 uL		
IC 410-385635/15		8260D			2 uL	2 uL	2 uL		
IC 410-385635/16		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.: 410-131835-1

SDG No.: _____

Batch Number: 385635 Batch Start Date: 06/12/23 20:26 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LCS_VOC#1 00113	MSV_LL_#1_826 00080	MSV_LL_#2_826 00091	MSV_LL_GAS826 00155	MSV_QC_Gas826 00144	MSV_V_BFB 00011
IC 410-385635/17		8260D			5 uL	5 uL	5 uL		
ICIS 410-385635/18		8260D			10 uL	10 uL	10 uL		
IC 410-385635/19		8260D			25 uL	25 uL	25 uL		
ICV 410-385635/21		8260D		12.5 uL				12.5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_V_SMRV4 00059					
BFB 410-385635/1		8260D							
IC 410-385635/3		8260D		1 uL					
IC 410-385635/4		8260D		2.5 uL					
IC 410-385635/5		8260D		5 uL					
IC 410-385635/6		8260D		5 uL					
IC 410-385635/7		8260D		5 uL					
IC 410-385635/8		8260D		5 uL					
IC 410-385635/9		8260D		12.5 uL					
IC 410-385635/13		8260D							
IC 410-385635/14		8260D							
IC 410-385635/15		8260D							
IC 410-385635/16		8260D							
IC 410-385635/17		8260D							
ICIS 410-385635/18		8260D							
IC 410-385635/19		8260D							
ICV 410-385635/21		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.: 410-131835-1

SDG No.: _____

Batch Number: 385635 Batch Start Date: 06/12/23 20:26 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.: 410-131835-1

SDG No.: _____

Batch Number: 388102 Batch Start Date: 06/19/23 14:12 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 00006	MSV_CCV_CYC 00005	MSV_CCV_V5ACE 00025
BFB 410-388102/1		8260D		1 uL	1 uL				
IC 410-388102/3		8260D		25 mL	25 mL	2692		1.6 uL	0.2 uL
IC 410-388102/4		8260D		25 mL	25 mL	2692		4 uL	0.5 uL
IC 410-388102/5		8260D		25 mL	25 mL	2692		8 uL	1 uL
IC 410-388102/6		8260D		25 mL	25 mL	2692		8 uL	1 uL
IC 410-388102/7		8260D		25 mL	25 mL	2692		8 uL	1 uL
IC 410-388102/8		8260D		25 mL	25 mL	2692		8 uL	1 uL
IC 410-388102/9		8260D		25 mL	25 mL	2692		20 uL	2.5 uL
IC 410-388102/13		8260D		25 mL	25 mL	2692			
IC 410-388102/14		8260D		25 mL	25 mL	2692			
IC 410-388102/15		8260D		25 mL	25 mL	2692			
IC 410-388102/16		8260D		25 mL	25 mL	2692			
IC 410-388102/17		8260D		25 mL	25 mL	2692			
ICIS 410-388102/18		8260D		25 mL	25 mL	2692			
IC 410-388102/19		8260D		25 mL	25 mL	2692			
ICV 410-388102/21		8260D		25 mL	25 mL	2692	12.5 uL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_DME 00046	MSV_LCS_ACROL 00118	MSV_LCS_EE 00007	MSV_LCS_Penta 00029	MSV_LCS_VOC#1 00115	MSV_LL_#1_826 00081
BFB 410-388102/1		8260D							
IC 410-388102/3		8260D		0.2 uL					
IC 410-388102/4		8260D		0.5 uL					
IC 410-388102/5		8260D		1 uL					
IC 410-388102/6		8260D		1 uL					
IC 410-388102/7		8260D		1 uL					
IC 410-388102/8		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.: 410-131835-1

SDG No.: _____

Batch Number: 388102 Batch Start Date: 06/19/23 14:12 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_DME 00046	MSV_LCS_ACROL 00118	MSV_LCS_EE 00007	MSV_LCS_Penta 00029	MSV_LCS_VOC#1 00115	MSV_LL_#1_826 00081
IC 410-388102/9		8260D		2.5 uL					
IC 410-388102/13		8260D							2 uL
IC 410-388102/14		8260D							2 uL
IC 410-388102/15		8260D							2 uL
IC 410-388102/16		8260D							2 uL
IC 410-388102/17		8260D							5 uL
ICIS 410-388102/18		8260D							10 uL
IC 410-388102/19		8260D							25 uL
ICV 410-388102/21		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 00093	MSV_LL_GAS826 00156	MSV_LLcentISO 00006	MSV_LLcentISS 00007	MSV_QC_Gas826 00145	MSV_V_BFB 00012
BFB 410-388102/1		8260D							1 uL
IC 410-388102/3		8260D				5 uL			
IC 410-388102/4		8260D				5 uL			
IC 410-388102/5		8260D				5 uL			
IC 410-388102/6		8260D				5 uL			
IC 410-388102/7		8260D				5 uL			
IC 410-388102/8		8260D				5 uL			
IC 410-388102/9		8260D				5 uL			
IC 410-388102/13		8260D		2 uL	2 uL		5 uL		
IC 410-388102/14		8260D		2 uL	2 uL		5 uL		
IC 410-388102/15		8260D		2 uL	2 uL		5 uL		
IC 410-388102/16		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.: 410-131835-1

SDG No.: _____

Batch Number: 388102 Batch Start Date: 06/19/23 14:12 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LL #2_826 00093	MSV_LL_GAS826 00156	MSV_LLcentISO 00006	MSV_LLcentISS 00007	MSV_QC_Gas826 00145	MSV_V_BFB 00012
IC 410-388102/17		8260D		5 uL	5 uL		5 uL		
ICIS 410-388102/18		8260D		10 uL	10 uL		5 uL		
IC 410-388102/19		8260D		25 uL	25 uL		5 uL		
ICV 410-388102/21		8260D					5 uL	12.5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_V_SMRV4 00059					
BFB 410-388102/1		8260D							
IC 410-388102/3		8260D		1 uL					
IC 410-388102/4		8260D		2.5 uL					
IC 410-388102/5		8260D		5 uL					
IC 410-388102/6		8260D		5 uL					
IC 410-388102/7		8260D		5 uL					
IC 410-388102/8		8260D		5 uL					
IC 410-388102/9		8260D		12.5 uL					
IC 410-388102/13		8260D							
IC 410-388102/14		8260D							
IC 410-388102/15		8260D							
IC 410-388102/16		8260D							
IC 410-388102/17		8260D							
ICIS 410-388102/18		8260D							
IC 410-388102/19		8260D							
ICV 410-388102/21		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.: 410-131835-1

SDG No.: _____

Batch Number: 388102 Batch Start Date: 06/19/23 14:12 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.: 410-131835-1

SDG No.: _____

Batch Number: 392483 Batch Start Date: 06/29/23 21:45 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 410-392483/1		8260D		1 uL	1 uL				
CCVIS 410-392483/3		8260D		25 mL	25 mL				2705
LCS 410-392483/4		8260D		25 mL	25 mL				2705
MB 410-392483/6		8260D		25 mL	25 mL				2705
410-131835-A-6	HD-COD-SW-15-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-131835-A-6 MS	HD-COD-SW-15-0/1-0 MS	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-131835-A-6 MSD	HD-COD-SW-15-0/1-0 MSD	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-131835-A-2	HD-COD-SW-7-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-131835-A-3	HD-COD-SW-8-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-131835-A-4	HD-COD-SW-9-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-131835-A-5	HD-COD-SW-13-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-131835-A-7	HD-COD-SW-16-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LCS_EE 00007	MSV_LCS_VOC#1 00116	MSV_LL_#1_826 00081	MSV_LL_#2_826 00093	MSV_LL_GAS826 00157	MSV_LLcentISS 00007
BFB 410-392483/1		8260D							
CCVIS 410-392483/3		8260D				12.5 uL	12.5 uL	12.5 uL	5 uL
LCS 410-392483/4		8260D		6.25 uL	6.25 uL				5 uL
MB 410-392483/6		8260D							5 uL
410-131835-A-6	HD-COD-SW-15-0/1-0	8260D	T						5 uL
410-131835-A-6 MS	HD-COD-SW-15-0/1-0 MS	8260D	T	5.38 uL	5.38 uL				5 uL
410-131835-A-6 MSD	HD-COD-SW-15-0/1-0 MSD	8260D	T	5.38 uL	5.38 uL				5 uL
410-131835-A-2	HD-COD-SW-7-0/1-0	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.: 410-131835-1

SDG No.: _____

Batch Number: 392483 Batch Start Date: 06/29/23 21:45 Batch Analyst: Walmer, Gavin

Batch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV LCS EE 00007	MSV LCS VOC#1 00116	MSV_LL #1_826 00081	MSV_LL #2_826 00093	MSV_LL GAS826 00157	MSV_LLcentISS 00007
410-131835-A-3	HD-COD-SW-8-0/1-0	8260D	T						5 uL
410-131835-A-4	HD-COD-SW-9-0/1-0	8260D	T						5 uL
410-131835-A-5	HD-COD-SW-13-0/1-0	8260D	T						5 uL
410-131835-A-7	HD-COD-SW-16-0/1-0	8260D	T						5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_QC_Gas826 00146	MSV_V_BFB 00012				
BFB 410-392483/1		8260D			1 uL				
CCVIS 410-392483/3		8260D							
LCS 410-392483/4		8260D		6.25 uL					
MB 410-392483/6		8260D							
410-131835-A-6	HD-COD-SW-15-0/1-0	8260D	T						
410-131835-A-6	HD-COD-SW-15-0/1-0 MS	8260D	T	5.38 uL					
410-131835-A-6	HD-COD-SW-15-0/1-0 MSD	8260D	T	5.38 uL					
410-131835-A-2	HD-COD-SW-7-0/1-0	8260D	T						
410-131835-A-3	HD-COD-SW-8-0/1-0	8260D	T						
410-131835-A-4	HD-COD-SW-9-0/1-0	8260D	T						
410-131835-A-5	HD-COD-SW-13-0/1-0	8260D	T						
410-131835-A-7	HD-COD-SW-16-0/1-0	8260D	T						

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-131835-1

SDG No.: _____

Batch Number: 392483 Batch Start Date: 06/29/23 21:45 Batch Analyst: Walmer, GavinBatch Method: 8260D Batch End Date: _____

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-131835-1

SDG No.: _____

Batch Number: 393012 Batch Start Date: 07/02/23 11:22 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 410-393012/1		8260D		1 uL	1 uL				
CCVIS 410-393012/3		8260D		25 mL	25 mL				2705
LCS 410-393012/4		8260D		25 mL	25 mL				2705
LCSD 410-393012/5		8260D		25 mL	25 mL				2705
MB 410-393012/7		8260D		25 mL	25 mL				2705
410-131835-A-8	HD-COD-SW-17-0/1 -0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-131835-B-8	HD-COD-SW-17-0/1 -0	8260D	T	25 mL	25 mL	<2 SU	N	N	2705
410-131835-A-9	HD-COD-SW-26-0/1 -0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-131835-A-10	HD-COD-SW-27-0/1 -0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-131835-A-11	HD-COD-SW-28-0/1 -0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-131835-A-12	HD-COD-SW-29-0/1 -0	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-131835-A-13	HD-QC1-0/1-1	8260D	T	25 mL	25 mL	<2 SU	N	N	
410-131835-B-13	HD-QC1-0/1-1	8260D	T	25 mL	25 mL	<2 SU	N	N	2705
410-131835-A-14	HD-QC1-0/1-2	8260D	T	25 mL	25 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV LCS_EE 00007	MSV LCS_VOC#1 00116	MSV_LL #1_826 00081	MSV_LL #2_826 00093	MSV_LL GAS826 00157	MSV_LLcentISS 00007
BFB 410-393012/1		8260D							
CCVIS 410-393012/3		8260D				20 uL	20 uL	20 uL	5 uL
LCS 410-393012/4		8260D		6.25 uL	6.25 uL				5 uL
LCSD 410-393012/5		8260D		6.25 uL	6.25 uL				5 uL
MB 410-393012/7		8260D							5 uL
410-131835-A-8	HD-COD-SW-17-0/1 -0	8260D	T						5 uL
410-131835-B-8	HD-COD-SW-17-0/1 -0	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.: 410-131835-1

SDG No.: _____

Batch Number: 393012 Batch Start Date: 07/02/23 11:22 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LCS_EE 00007	MSV_LCS_VOC#1 00116	MSV_LL_#1_826 00081	MSV_LL_#2_826 00093	MSV_LL_GAS826 00157	MSV_LLcentISS 00007
410-131835-A-9	HD-COD-SW-26-0/1 -0	8260D	T						5 uL
410-131835-A-10	HD-COD-SW-27-0/1 -0	8260D	T						5 uL
410-131835-A-11	HD-COD-SW-28-0/1 -0	8260D	T						5 uL
410-131835-A-12	HD-COD-SW-29-0/1 -0	8260D	T						5 uL
410-131835-A-13	HD-QC1-0/1-1	8260D	T						5 uL
410-131835-B-13	HD-QC1-0/1-1	8260D	T						5 uL
410-131835-A-14	HD-QC1-0/1-2	8260D	T						5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_QC_Gas826 00146	MSV_V_BFB 00012				
BFB 410-393012/1		8260D			1 uL				
CCVIS 410-393012/3		8260D							
LCS 410-393012/4		8260D		6.25 uL					
LCSD 410-393012/5		8260D		6.25 uL					
MB 410-393012/7		8260D							
410-131835-A-8	HD-COD-SW-17-0/1 -0	8260D	T						
410-131835-B-8	HD-COD-SW-17-0/1 -0	8260D	T						
410-131835-A-9	HD-COD-SW-26-0/1 -0	8260D	T						
410-131835-A-10	HD-COD-SW-27-0/1 -0	8260D	T						
410-131835-A-11	HD-COD-SW-28-0/1 -0	8260D	T						
410-131835-A-12	HD-COD-SW-29-0/1 -0	8260D	T						
410-131835-A-13	HD-QC1-0/1-1	8260D	T						
410-131835-B-13	HD-QC1-0/1-1	8260D	T						
410-131835-A-14	HD-QC1-0/1-2	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.: 410-131835-1

SDG No.: _____

Batch Number: 393012 Batch Start Date: 07/02/23 11:22 Batch Analyst: Kephart, Kayla

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.: 410-131835-1

SDG No.: _____

Batch Number: 393586 Batch Start Date: 07/05/23 09:24 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 410-393586/1		8260D		1 uL	1 uL				
CCVIS 410-393586/3		8260D		25 mL	25 mL				2705
LCS 410-393586/4		8260D		25 mL	25 mL				2705
MB 410-393586/6		8260D		25 mL	25 mL				2705
410-131835-B-1	HD-COD-SW-6-0/1-0	8260D	T	25 mL	25 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_29_826ISS 00048	MSV_LCS ACROL 00120	MSV_LCS_VOC#1 00117	MSV_LL #1_826 00082	MSV_LL #2_826 00094	MSV_LL GAS826 00158
BFB 410-393586/1		8260D							
CCVIS 410-393586/3		8260D		1 uL			25 uL	25 uL	25 uL
LCS 410-393586/4		8260D		1 uL	12.5 uL	12.5 uL			
MB 410-393586/6		8260D		1 uL					
410-131835-B-1	HD-COD-SW-6-0/1-0	8260D	T	1 uL					

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_QC_Gas826 00147	MSV_V_BFB 00012				
BFB 410-393586/1		8260D			1 uL				
CCVIS 410-393586/3		8260D							
LCS 410-393586/4		8260D		12.5 uL					
MB 410-393586/6		8260D							
410-131835-B-1	HD-COD-SW-6-0/1-0	8260D	T						

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-131835-1

SDG No.: _____

Batch Number: 393586 Batch Start Date: 07/05/23 09:24 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date: _____

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

370472

HARRISBURG Env



410-131835 Chain of Custody

Request/Chain of Custody

1 of 2



Lancaster Laboratories Environmental

Acct. # _____ Group # _____ Sample # _____

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"/> 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								SCR #: _____	
Sampler: Casey Littlefield / Lucas Grimm		PWSID #: N/A		<input type="checkbox"/> Sediment									Preservation Codes	
Phone #: (717) 901-8176 / (717) 756-1246		Quote #:		<input type="checkbox"/> Soil	<input type="checkbox"/> Water	<input type="checkbox"/> Other:							H = HCl T = Thiosulfate	
State where samples were collected: York, PA		For Compliance: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>											N = HNO ₃ B = NaOH	
													S = H ₂ SO ₄ P = H ₃ PO ₄	
													O = Other	
Sample Identification		Collection		<input type="checkbox"/> Grab	<input type="checkbox"/> Composite		Total # of Containers						Remarks	
		Date	Time				Aqueous VOCs via 8260D (low level - 25 ml purge)							
HD-COD-SW-6-0/1-0		6/21/23	1005 th	X			X						All samples preserved on ice	
HD-COD-SW-7-0/1-0			1115 th	X			X							
HD-COD-SW-8-0/1-0			0855 th	X			X							
HD-COD-SW-9-0/1-0			1235 th	X			X							
HD-COD-SW-13-0/1-0			0938 th	X			X							
HD-COD-SW-15-0/1-0			140 th	X			X							
HD-COD-SW-15-0/1-0 MS			140 th	X			X							
HD-COD-SW-15-0/1-0 MSD			140 th	X			X							
HD-COD-SW-16-0/1-0			0955 th	X			X							
HD-COD-SW-17-0/1-0			1005 th	X			X							
Turnaround Time Requested (TAT) (please check): Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>				Relinquished by: <i>[Signature]</i>		Date	Time	Received by: <i>[Signature]</i>		Date	Time			
(Rush TAT is subject to laboratory approval and surcharges.)						6/21/23	1347	6/21/23		1347				
Date results are needed:				Relinquished by: <i>[Signature]</i>		Date	Time	Received by: <i>[Signature]</i>		Date	Time			
Rush results requested by (please check): E-Mail <input checked="" type="checkbox"/> Phone <input type="checkbox"/>						6/22/23	10:36	6/23/23		10:36				
E-mail Address: ON FILE				Relinquished by: <i>[Signature]</i>		Date	Time	Received by: <i>[Signature]</i>		Date	Time			
Phone:						6/22/23	17:12							
Data Package Options (please check if required)				Relinquished by: <i>[Signature]</i>		Date	Time	Received by: <i>[Signature]</i>		Date	Time			
Type I (Validation/non-CLP)	<input type="checkbox"/>	MA MCP	<input type="checkbox"/>											
Type III (Reduced non-CLP)	<input type="checkbox"/>	CT RCP	<input type="checkbox"/>											
Type VI (Raw Data Only)	<input type="checkbox"/>	TX TRRP-13	<input type="checkbox"/>											
NJ DKQP	<input type="checkbox"/>	NYSDEC Category	<input type="checkbox"/> A or <input type="checkbox"/> B											
EDD Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				Relinquished by Commercial Carrier:				Temperature upon receipt <u>Raw 4.0</u> °C						
If yes, format: _____ List				UPS _____ FedEx _____ Other _____				<u>5015 4.1</u>						

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/#: FYNOP Monthly Surface Water		Site ID #: FYNOP, York PA		<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"/> Trip Blank	H						SCR #: _____		
Sampler: Casey Littlefield / Lucas Grimm		PWSID #: N/A		<input type="checkbox"/> Soil	<input type="checkbox"/> Water	<input type="checkbox"/> Other	Aqueous VOCs via 8260D (low level - 25 ml purge)						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 #:		Collection		Total # of Containers							Remarks		
State where samples were collected: York, PA		For Compliance: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		<input type="checkbox"/> Sediment	<input type="checkbox"/> Composite										
Sample Identification		Date	Time	Grab	Composite										
HD-COD-SW-26-0/1-0		6/21/2023	1053	X		3	X								
HD-COD-SW-27-0/1-0			1126	X		3	X								
HD-COD-SW-28-0/1-0			1250	X		3	X								
HD-COD-SW-29-0/1-0			0850	X		3	X								
HD-QC1-0/1-1			1200	X		3	X								
HD-QC1-0/1-2		6/20/2023	-	X		2	X							Trip Blank	
Turnaround Time Requested (TAT) (please check): Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>				Relinquished by: <i>[Signature]</i>			Date	Time	Received by: <i>[Signature]</i>			Date	Time		
(Rush TAT is subject to laboratory approval and surcharges.)							6/21/2023	1347				6/21/23	1347		
Date results are needed:				Relinquished by: <i>[Signature]</i>			Date	Time	Received by:			Date	Time		
Rush results requested by (please check): E-Mail <input checked="" type="checkbox"/> Phone <input type="checkbox"/>							6/23/23	10:36							
E-mail Address: DN-FILE				Relinquished by: <i>[Signature]</i>			Date	Time	Received by:			Date	Time		
Phone:							6/22/23	17:12							
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"/>												
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"/>									6/22/23	17:12		
NJ DKQP	<input type="checkbox"/>	NYSDEC Category	<input type="checkbox"/> A or <input type="checkbox"/> B	Relinquished by Commercial Carrier:						Temperature upon receipt: <u>Raw 4.0</u> °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 _____								

OK

Login Sample Receipt Checklist

Client: Groundwater Sciences Corporation

Job Number: 410-131835-1

Login Number: 131835

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Kanagy, Nicholas

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	

Login Sample Receipt Checklist

Client: Groundwater Sciences Corporation

Job Number: 410-131835-1

Login Number: 131835

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

Creator: Jeremiah, Cory T

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.		
The cooler's custody seal, if present, is intact.		
Sample custody seals, if present, are intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present.		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information.		
Is the Field Sampler's name present on COC?		
There are no discrepancies between the containers received and the COC.		
Samples are received within Holding Time (excluding tests with immediate HTs)		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
Sample Preservation Verified.		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ ($1/4''$).		
Multiphasic samples are not present.		
Samples do not require splitting or compositing.		
Residual Chlorine Checked.		