



ANALYTICAL REPORT

PREPARED FOR

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Generated 06/06/2025

JOB DESCRIPTION

fYNOP, York PA

JOB NUMBER

410-224440-1

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



Generated
06/06/2025

Authorized for release by
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Table of Contents

Cover Page	1
Data Summaries	4
Definitions	4
Case Narrative	5
Detection Summary	6
Client Sample Results	8
Default Detection Limits	23
Surrogate Summary	24
QC Sample Results	25
QC Association	31
Chronicle	32
Certification Summary	35
Method Summary	36
Sample Summary	37
Manual Integration Summary	38
Reagent Traceability	50
COAs	73
Organic Sample Data	189
GC/MS VOA	189
Method 8260D Low Level	189
Method 8260D Low Level QC Summary	190
Method 8260D Low Level Sample Data	209
Standards Data	373
Method 8260D Low Level ICAL Data	373
Method 8260D Low Level CCAL Data	775
Raw QC Data	811
Method 8260D Low Level Tune Data	811
Method 8260D Low Level Blank Data	827
Method 8260D Low Level LCS/LCSD Data	843
Method 8260D Low Level MS/MSD Data	857
Method 8260D Low Level Run Logs	871
Method 8260D Low Level Prep Data	875
Shipping and Receiving Documents	885
Client Chain of Custody	886
Sample Receipt Checklist	888

Definitions/Glossary

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
cn	Refer to Case Narrative for further detail
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.
☼	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
410-224440-1

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

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

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

Receipt

The samples were received on 5/28/2025 5:23 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 3.3°C.

GC/MS VOA

Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 410-652669 recovered outside acceptance criteria, low biased, for Acetone, Chloroethane and Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

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

Detection Summary

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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

Lab Sample ID: 410-224440-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.083	J	0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	0.11	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-224440-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.099	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.11	J	0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	0.13	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-224440-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.11	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.64		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.14	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-224440-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.15	J	0.50	0.090	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.26	J	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.090	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-224440-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.11	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.85		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.14	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-224440-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.35	J	0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.11	J	0.50	0.10	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.18	J	0.50	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.18	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.90		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	5.7		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	1.4		0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-224440-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.65		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.14	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-224440-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	12		0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	2.0		0.50	0.10	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.90		0.50	0.10	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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

Lab Sample ID: 410-224440-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.17	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	2.3		0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	4.4		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene - DL	150		10	4.0	ug/L	20		8260D	Total/NA

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

Lab Sample ID: 410-224440-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.64		0.50	0.090	ug/L	1		8260D	Total/NA
Tetrachloroethene	3.3		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.14	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-224440-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromodichloromethane	0.20	J	0.50	0.080	ug/L	1		8260D	Total/NA
Chloroform	1.4		0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.13	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.61		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.22	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-224440-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.13	J	0.50	0.090	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.26	J	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.11	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-224440-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.092	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.52		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.14	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-224440-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	12		0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	2.1		0.50	0.10	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.92		0.50	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.18	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	2.3		0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	4.6		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene - DL	150		10	4.0	ug/L	20		8260D	Total/NA

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

Lab Sample ID: 410-224440-14

No Detections.

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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

Lab Sample ID: 410-224440-1

Date Collected: 05/27/25 10:38

Matrix: Water

Date Received: 05/28/25 17:23

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			06/04/25 23:05	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/04/25 23:05	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/04/25 23:05	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/04/25 23:05	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/04/25 23:05	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/04/25 23:05	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/04/25 23:05	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/04/25 23:05	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/04/25 23:05	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/04/25 23:05	1
2-Hexanone	ND		5.0	2.0	ug/L			06/04/25 23:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/04/25 23:05	1
Acetone	ND	^c cn	5.0	1.5	ug/L			06/04/25 23:05	1
Benzene	ND		0.50	0.10	ug/L			06/04/25 23:05	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/04/25 23:05	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/04/25 23:05	1
Bromoform	ND		1.0	0.30	ug/L			06/04/25 23:05	1
Bromomethane	ND		0.50	0.10	ug/L			06/04/25 23:05	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/04/25 23:05	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/04/25 23:05	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/04/25 23:05	1
Chloroethane	ND	^c cn	0.50	0.10	ug/L			06/04/25 23:05	1
Chloroform	ND		0.50	0.090	ug/L			06/04/25 23:05	1
Chloromethane	ND	^c cn	0.50	0.10	ug/L			06/04/25 23:05	1
cis-1,2-Dichloroethene	0.083	J	0.50	0.080	ug/L			06/04/25 23:05	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/04/25 23:05	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/04/25 23:05	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/04/25 23:05	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/04/25 23:05	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/04/25 23:05	1
Styrene	ND		0.50	0.070	ug/L			06/04/25 23:05	1
Tetrachloroethene	ND		0.50	0.20	ug/L			06/04/25 23:05	1
Toluene	ND		0.50	0.080	ug/L			06/04/25 23:05	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/04/25 23:05	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/04/25 23:05	1
Trichloroethene	0.11	J	0.50	0.080	ug/L			06/04/25 23:05	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/04/25 23:05	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/04/25 23:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		80 - 120		06/04/25 23:05	1
4-Bromofluorobenzene (Surr)	97		80 - 120		06/04/25 23:05	1
Dibromofluoromethane (Surr)	102		80 - 120		06/04/25 23:05	1
Toluene-d8 (Surr)	99		80 - 120		06/04/25 23:05	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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

Lab Sample ID: 410-224440-2

Date Collected: 05/27/25 11:18

Matrix: Water

Date Received: 05/28/25 17:23

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			06/04/25 23:26	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/04/25 23:26	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/04/25 23:26	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/04/25 23:26	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/04/25 23:26	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/04/25 23:26	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/04/25 23:26	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/04/25 23:26	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/04/25 23:26	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/04/25 23:26	1
2-Hexanone	ND		5.0	2.0	ug/L			06/04/25 23:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/04/25 23:26	1
Acetone	ND	^c cn	5.0	1.5	ug/L			06/04/25 23:26	1
Benzene	ND		0.50	0.10	ug/L			06/04/25 23:26	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/04/25 23:26	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/04/25 23:26	1
Bromoform	ND		1.0	0.30	ug/L			06/04/25 23:26	1
Bromomethane	ND		0.50	0.10	ug/L			06/04/25 23:26	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/04/25 23:26	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/04/25 23:26	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/04/25 23:26	1
Chloroethane	ND	^c cn	0.50	0.10	ug/L			06/04/25 23:26	1
Chloroform	0.099	J	0.50	0.090	ug/L			06/04/25 23:26	1
Chloromethane	ND	^c cn	0.50	0.10	ug/L			06/04/25 23:26	1
cis-1,2-Dichloroethene	0.11	J	0.50	0.080	ug/L			06/04/25 23:26	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/04/25 23:26	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/04/25 23:26	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/04/25 23:26	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/04/25 23:26	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/04/25 23:26	1
Styrene	ND		0.50	0.070	ug/L			06/04/25 23:26	1
Tetrachloroethene	ND		0.50	0.20	ug/L			06/04/25 23:26	1
Toluene	ND		0.50	0.080	ug/L			06/04/25 23:26	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/04/25 23:26	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/04/25 23:26	1
Trichloroethene	0.13	J	0.50	0.080	ug/L			06/04/25 23:26	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/04/25 23:26	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/04/25 23:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		06/04/25 23:26	1
4-Bromofluorobenzene (Surr)	94		80 - 120		06/04/25 23:26	1
Dibromofluoromethane (Surr)	102		80 - 120		06/04/25 23:26	1
Toluene-d8 (Surr)	98		80 - 120		06/04/25 23:26	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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

Lab Sample ID: 410-224440-3

Date Collected: 05/27/25 09:30

Matrix: Water

Date Received: 05/28/25 17:23

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			06/04/25 23:47	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/04/25 23:47	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/04/25 23:47	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/04/25 23:47	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/04/25 23:47	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/04/25 23:47	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/04/25 23:47	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/04/25 23:47	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/04/25 23:47	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/04/25 23:47	1
2-Hexanone	ND		5.0	2.0	ug/L			06/04/25 23:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/04/25 23:47	1
Acetone	ND	^c cn	5.0	1.5	ug/L			06/04/25 23:47	1
Benzene	ND		0.50	0.10	ug/L			06/04/25 23:47	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/04/25 23:47	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/04/25 23:47	1
Bromoform	ND		1.0	0.30	ug/L			06/04/25 23:47	1
Bromomethane	ND		0.50	0.10	ug/L			06/04/25 23:47	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/04/25 23:47	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/04/25 23:47	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/04/25 23:47	1
Chloroethane	ND	^c cn	0.50	0.10	ug/L			06/04/25 23:47	1
Chloroform	ND		0.50	0.090	ug/L			06/04/25 23:47	1
Chloromethane	ND	^c cn	0.50	0.10	ug/L			06/04/25 23:47	1
cis-1,2-Dichloroethene	0.11	J	0.50	0.080	ug/L			06/04/25 23:47	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/04/25 23:47	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/04/25 23:47	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/04/25 23:47	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/04/25 23:47	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/04/25 23:47	1
Styrene	ND		0.50	0.070	ug/L			06/04/25 23:47	1
Tetrachloroethene	0.64		0.50	0.20	ug/L			06/04/25 23:47	1
Toluene	ND		0.50	0.080	ug/L			06/04/25 23:47	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/04/25 23:47	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/04/25 23:47	1
Trichloroethene	0.14	J	0.50	0.080	ug/L			06/04/25 23:47	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/04/25 23:47	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/04/25 23:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		80 - 120		06/04/25 23:47	1
4-Bromofluorobenzene (Surr)	93		80 - 120		06/04/25 23:47	1
Dibromofluoromethane (Surr)	103		80 - 120		06/04/25 23:47	1
Toluene-d8 (Surr)	99		80 - 120		06/04/25 23:47	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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

Lab Sample ID: 410-224440-4

Date Collected: 05/27/25 12:45

Matrix: Water

Date Received: 05/28/25 17:23

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			06/05/25 00:08	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/05/25 00:08	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/05/25 00:08	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/05/25 00:08	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/05/25 00:08	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/05/25 00:08	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/05/25 00:08	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/05/25 00:08	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/05/25 00:08	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/05/25 00:08	1
2-Hexanone	ND		5.0	2.0	ug/L			06/05/25 00:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/05/25 00:08	1
Acetone	ND	^c cn	5.0	1.5	ug/L			06/05/25 00:08	1
Benzene	ND		0.50	0.10	ug/L			06/05/25 00:08	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/05/25 00:08	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/05/25 00:08	1
Bromoform	ND		1.0	0.30	ug/L			06/05/25 00:08	1
Bromomethane	ND		0.50	0.10	ug/L			06/05/25 00:08	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/05/25 00:08	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/05/25 00:08	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/05/25 00:08	1
Chloroethane	ND	^c cn	0.50	0.10	ug/L			06/05/25 00:08	1
Chloroform	0.15	J	0.50	0.090	ug/L			06/05/25 00:08	1
Chloromethane	ND	^c cn	0.50	0.10	ug/L			06/05/25 00:08	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			06/05/25 00:08	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/05/25 00:08	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/05/25 00:08	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/05/25 00:08	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/05/25 00:08	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/05/25 00:08	1
Styrene	ND		0.50	0.070	ug/L			06/05/25 00:08	1
Tetrachloroethene	0.26	J	0.50	0.20	ug/L			06/05/25 00:08	1
Toluene	ND		0.50	0.080	ug/L			06/05/25 00:08	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/05/25 00:08	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/05/25 00:08	1
Trichloroethene	0.090	J	0.50	0.080	ug/L			06/05/25 00:08	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/05/25 00:08	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/05/25 00:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		80 - 120		06/05/25 00:08	1
4-Bromofluorobenzene (Surr)	95		80 - 120		06/05/25 00:08	1
Dibromofluoromethane (Surr)	104		80 - 120		06/05/25 00:08	1
Toluene-d8 (Surr)	99		80 - 120		06/05/25 00:08	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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

Lab Sample ID: 410-224440-5

Date Collected: 05/27/25 09:42

Matrix: Water

Date Received: 05/28/25 17:23

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			06/05/25 00:29	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/05/25 00:29	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/05/25 00:29	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/05/25 00:29	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/05/25 00:29	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/05/25 00:29	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/05/25 00:29	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/05/25 00:29	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/05/25 00:29	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/05/25 00:29	1
2-Hexanone	ND		5.0	2.0	ug/L			06/05/25 00:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/05/25 00:29	1
Acetone	ND	^c cn	5.0	1.5	ug/L			06/05/25 00:29	1
Benzene	ND		0.50	0.10	ug/L			06/05/25 00:29	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/05/25 00:29	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/05/25 00:29	1
Bromoform	ND		1.0	0.30	ug/L			06/05/25 00:29	1
Bromomethane	ND		0.50	0.10	ug/L			06/05/25 00:29	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/05/25 00:29	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/05/25 00:29	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/05/25 00:29	1
Chloroethane	ND	^c cn	0.50	0.10	ug/L			06/05/25 00:29	1
Chloroform	ND		0.50	0.090	ug/L			06/05/25 00:29	1
Chloromethane	ND	^c cn	0.50	0.10	ug/L			06/05/25 00:29	1
cis-1,2-Dichloroethene	0.11	J	0.50	0.080	ug/L			06/05/25 00:29	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/05/25 00:29	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/05/25 00:29	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/05/25 00:29	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/05/25 00:29	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/05/25 00:29	1
Styrene	ND		0.50	0.070	ug/L			06/05/25 00:29	1
Tetrachloroethene	0.85		0.50	0.20	ug/L			06/05/25 00:29	1
Toluene	ND		0.50	0.080	ug/L			06/05/25 00:29	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/05/25 00:29	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/05/25 00:29	1
Trichloroethene	0.14	J	0.50	0.080	ug/L			06/05/25 00:29	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/05/25 00:29	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/05/25 00:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		80 - 120		06/05/25 00:29	1
4-Bromofluorobenzene (Surr)	94		80 - 120		06/05/25 00:29	1
Dibromofluoromethane (Surr)	104		80 - 120		06/05/25 00:29	1
Toluene-d8 (Surr)	98		80 - 120		06/05/25 00:29	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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

Lab Sample ID: 410-224440-6

Date Collected: 05/27/25 11:45

Matrix: Water

Date Received: 05/28/25 17:23

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			06/04/25 21:41	1
1,1,1-Trichloroethane	0.35	J	0.50	0.080	ug/L			06/04/25 21:41	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/04/25 21:41	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/04/25 21:41	1
1,1-Dichloroethane	0.11	J	0.50	0.10	ug/L			06/04/25 21:41	1
1,1-Dichloroethene	0.18	J	0.50	0.10	ug/L			06/04/25 21:41	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/04/25 21:41	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/04/25 21:41	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/04/25 21:41	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/04/25 21:41	1
2-Hexanone	ND		5.0	2.0	ug/L			06/04/25 21:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/04/25 21:41	1
Acetone	ND	^c cn	5.0	1.5	ug/L			06/04/25 21:41	1
Benzene	ND		0.50	0.10	ug/L			06/04/25 21:41	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/04/25 21:41	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/04/25 21:41	1
Bromoform	ND		1.0	0.30	ug/L			06/04/25 21:41	1
Bromomethane	ND		0.50	0.10	ug/L			06/04/25 21:41	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/04/25 21:41	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/04/25 21:41	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/04/25 21:41	1
Chloroethane	ND	^c cn	0.50	0.10	ug/L			06/04/25 21:41	1
Chloroform	0.18	J	0.50	0.090	ug/L			06/04/25 21:41	1
Chloromethane	ND	^c FL cn	0.50	0.10	ug/L			06/04/25 21:41	1
cis-1,2-Dichloroethene	0.90		0.50	0.080	ug/L			06/04/25 21:41	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/04/25 21:41	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/04/25 21:41	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/04/25 21:41	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/04/25 21:41	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/04/25 21:41	1
Styrene	ND		0.50	0.070	ug/L			06/04/25 21:41	1
Tetrachloroethene	5.7		0.50	0.20	ug/L			06/04/25 21:41	1
Toluene	ND		0.50	0.080	ug/L			06/04/25 21:41	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/04/25 21:41	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/04/25 21:41	1
Trichloroethene	1.4		0.50	0.080	ug/L			06/04/25 21:41	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/04/25 21:41	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/04/25 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		80 - 120		06/04/25 21:41	1
4-Bromofluorobenzene (Surr)	92		80 - 120		06/04/25 21:41	1
Dibromofluoromethane (Surr)	103		80 - 120		06/04/25 21:41	1
Toluene-d8 (Surr)	99		80 - 120		06/04/25 21:41	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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

Lab Sample ID: 410-224440-7

Date Collected: 05/27/25 10:12

Matrix: Water

Date Received: 05/28/25 17:23

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			06/05/25 01:20	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/05/25 01:20	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/05/25 01:20	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/05/25 01:20	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/05/25 01:20	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/05/25 01:20	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/05/25 01:20	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/05/25 01:20	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/05/25 01:20	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/05/25 01:20	1
2-Hexanone	ND		5.0	2.0	ug/L			06/05/25 01:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/05/25 01:20	1
Acetone	ND		5.0	1.5	ug/L			06/05/25 01:20	1
Benzene	ND		0.50	0.10	ug/L			06/05/25 01:20	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/05/25 01:20	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/05/25 01:20	1
Bromoform	ND		1.0	0.30	ug/L			06/05/25 01:20	1
Bromomethane	ND		0.50	0.10	ug/L			06/05/25 01:20	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/05/25 01:20	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/05/25 01:20	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/05/25 01:20	1
Chloroethane	ND		0.50	0.10	ug/L			06/05/25 01:20	1
Chloroform	ND		0.50	0.090	ug/L			06/05/25 01:20	1
Chloromethane	ND		0.50	0.10	ug/L			06/05/25 01:20	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			06/05/25 01:20	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/05/25 01:20	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/05/25 01:20	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/05/25 01:20	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/05/25 01:20	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/05/25 01:20	1
Styrene	ND		0.50	0.070	ug/L			06/05/25 01:20	1
Tetrachloroethene	0.65		0.50	0.20	ug/L			06/05/25 01:20	1
Toluene	ND		0.50	0.080	ug/L			06/05/25 01:20	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/05/25 01:20	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/05/25 01:20	1
Trichloroethene	0.14	J	0.50	0.080	ug/L			06/05/25 01:20	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/05/25 01:20	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/05/25 01:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120					06/05/25 01:20	1
4-Bromofluorobenzene (Surr)	93		80 - 120					06/05/25 01:20	1
Dibromofluoromethane (Surr)	103		80 - 120					06/05/25 01:20	1
Toluene-d8 (Surr)	102		80 - 120					06/05/25 01:20	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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

Lab Sample ID: 410-224440-8

Date Collected: 05/27/25 10:18

Matrix: Water

Date Received: 05/28/25 17:23

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			06/05/25 05:09	1
1,1,1-Trichloroethane	12		0.50	0.080	ug/L			06/05/25 05:09	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/05/25 05:09	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/05/25 05:09	1
1,1-Dichloroethane	2.0		0.50	0.10	ug/L			06/05/25 05:09	1
1,1-Dichloroethene	0.90		0.50	0.10	ug/L			06/05/25 05:09	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/05/25 05:09	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/05/25 05:09	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/05/25 05:09	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/05/25 05:09	1
2-Hexanone	ND		5.0	2.0	ug/L			06/05/25 05:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/05/25 05:09	1
Acetone	ND		5.0	1.5	ug/L			06/05/25 05:09	1
Benzene	ND		0.50	0.10	ug/L			06/05/25 05:09	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/05/25 05:09	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/05/25 05:09	1
Bromoform	ND		1.0	0.30	ug/L			06/05/25 05:09	1
Bromomethane	ND		0.50	0.10	ug/L			06/05/25 05:09	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/05/25 05:09	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/05/25 05:09	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/05/25 05:09	1
Chloroethane	ND		0.50	0.10	ug/L			06/05/25 05:09	1
Chloroform	0.17	J	0.50	0.090	ug/L			06/05/25 05:09	1
Chloromethane	ND		0.50	0.10	ug/L			06/05/25 05:09	1
cis-1,2-Dichloroethene	2.3		0.50	0.080	ug/L			06/05/25 05:09	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/05/25 05:09	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/05/25 05:09	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/05/25 05:09	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/05/25 05:09	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/05/25 05:09	1
Styrene	ND		0.50	0.070	ug/L			06/05/25 05:09	1
Toluene	ND		0.50	0.080	ug/L			06/05/25 05:09	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/05/25 05:09	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/05/25 05:09	1
Trichloroethene	4.4		0.50	0.080	ug/L			06/05/25 05:09	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/05/25 05:09	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/05/25 05:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		06/05/25 05:09	1
4-Bromofluorobenzene (Surr)	93		80 - 120		06/05/25 05:09	1
Dibromofluoromethane (Surr)	105		80 - 120		06/05/25 05:09	1
Toluene-d8 (Surr)	101		80 - 120		06/05/25 05:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	150		10	4.0	ug/L			06/05/25 05:30	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		06/05/25 05:30	20

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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

Lab Sample ID: 410-224440-8

Date Collected: 05/27/25 10:18

Matrix: Water

Date Received: 05/28/25 17:23

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		80 - 120		06/05/25 05:30	20
Dibromofluoromethane (Surr)	103		80 - 120		06/05/25 05:30	20
Toluene-d8 (Surr)	104		80 - 120		06/05/25 05:30	20

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

Lab Sample ID: 410-224440-9

Date Collected: 05/27/25 11:00

Matrix: Water

Date Received: 05/28/25 17:23

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			06/05/25 01:41	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/05/25 01:41	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/05/25 01:41	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/05/25 01:41	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/05/25 01:41	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/05/25 01:41	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/05/25 01:41	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/05/25 01:41	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/05/25 01:41	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/05/25 01:41	1
2-Hexanone	ND		5.0	2.0	ug/L			06/05/25 01:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/05/25 01:41	1
Acetone	ND		5.0	1.5	ug/L			06/05/25 01:41	1
Benzene	ND		0.50	0.10	ug/L			06/05/25 01:41	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/05/25 01:41	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/05/25 01:41	1
Bromoform	ND		1.0	0.30	ug/L			06/05/25 01:41	1
Bromomethane	ND		0.50	0.10	ug/L			06/05/25 01:41	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/05/25 01:41	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/05/25 01:41	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/05/25 01:41	1
Chloroethane	ND		0.50	0.10	ug/L			06/05/25 01:41	1
Chloroform	0.64		0.50	0.090	ug/L			06/05/25 01:41	1
Chloromethane	ND		0.50	0.10	ug/L			06/05/25 01:41	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			06/05/25 01:41	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/05/25 01:41	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/05/25 01:41	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/05/25 01:41	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/05/25 01:41	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/05/25 01:41	1
Styrene	ND		0.50	0.070	ug/L			06/05/25 01:41	1
Tetrachloroethene	3.3		0.50	0.20	ug/L			06/05/25 01:41	1
Toluene	ND		0.50	0.080	ug/L			06/05/25 01:41	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/05/25 01:41	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/05/25 01:41	1
Trichloroethene	0.14	J	0.50	0.080	ug/L			06/05/25 01:41	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/05/25 01:41	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/05/25 01:41	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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

Lab Sample ID: 410-224440-9

Date Collected: 05/27/25 11:00

Matrix: Water

Date Received: 05/28/25 17:23

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		06/05/25 01:41	1
4-Bromofluorobenzene (Surr)	94		80 - 120		06/05/25 01:41	1
Dibromofluoromethane (Surr)	102		80 - 120		06/05/25 01:41	1
Toluene-d8 (Surr)	104		80 - 120		06/05/25 01:41	1

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

Lab Sample ID: 410-224440-10

Date Collected: 05/27/25 11:30

Matrix: Water

Date Received: 05/28/25 17:23

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			06/05/25 02:02	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/05/25 02:02	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/05/25 02:02	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/05/25 02:02	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/05/25 02:02	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/05/25 02:02	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/05/25 02:02	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/05/25 02:02	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/05/25 02:02	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/05/25 02:02	1
2-Hexanone	ND		5.0	2.0	ug/L			06/05/25 02:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/05/25 02:02	1
Acetone	ND		5.0	1.5	ug/L			06/05/25 02:02	1
Benzene	ND		0.50	0.10	ug/L			06/05/25 02:02	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/05/25 02:02	1
Bromodichloromethane	0.20	J	0.50	0.080	ug/L			06/05/25 02:02	1
Bromoform	ND		1.0	0.30	ug/L			06/05/25 02:02	1
Bromomethane	ND		0.50	0.10	ug/L			06/05/25 02:02	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/05/25 02:02	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/05/25 02:02	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/05/25 02:02	1
Chloroethane	ND		0.50	0.10	ug/L			06/05/25 02:02	1
Chloroform	1.4		0.50	0.090	ug/L			06/05/25 02:02	1
Chloromethane	ND		0.50	0.10	ug/L			06/05/25 02:02	1
cis-1,2-Dichloroethene	0.13	J	0.50	0.080	ug/L			06/05/25 02:02	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/05/25 02:02	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/05/25 02:02	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/05/25 02:02	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/05/25 02:02	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/05/25 02:02	1
Styrene	ND		0.50	0.070	ug/L			06/05/25 02:02	1
Tetrachloroethene	0.61		0.50	0.20	ug/L			06/05/25 02:02	1
Toluene	ND		0.50	0.080	ug/L			06/05/25 02:02	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/05/25 02:02	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/05/25 02:02	1
Trichloroethene	0.22	J	0.50	0.080	ug/L			06/05/25 02:02	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/05/25 02:02	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/05/25 02:02	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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

Lab Sample ID: 410-224440-10

Date Collected: 05/27/25 11:30

Matrix: Water

Date Received: 05/28/25 17:23

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		06/05/25 02:02	1
4-Bromofluorobenzene (Surr)	93		80 - 120		06/05/25 02:02	1
Dibromofluoromethane (Surr)	104		80 - 120		06/05/25 02:02	1
Toluene-d8 (Surr)	104		80 - 120		06/05/25 02:02	1

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

Lab Sample ID: 410-224440-11

Date Collected: 05/27/25 13:02

Matrix: Water

Date Received: 05/28/25 17:23

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			06/05/25 02:23	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/05/25 02:23	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/05/25 02:23	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/05/25 02:23	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/05/25 02:23	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/05/25 02:23	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/05/25 02:23	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/05/25 02:23	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/05/25 02:23	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/05/25 02:23	1
2-Hexanone	ND		5.0	2.0	ug/L			06/05/25 02:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/05/25 02:23	1
Acetone	ND		5.0	1.5	ug/L			06/05/25 02:23	1
Benzene	ND		0.50	0.10	ug/L			06/05/25 02:23	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/05/25 02:23	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/05/25 02:23	1
Bromoform	ND		1.0	0.30	ug/L			06/05/25 02:23	1
Bromomethane	ND		0.50	0.10	ug/L			06/05/25 02:23	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/05/25 02:23	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/05/25 02:23	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/05/25 02:23	1
Chloroethane	ND		0.50	0.10	ug/L			06/05/25 02:23	1
Chloroform	0.13	J	0.50	0.090	ug/L			06/05/25 02:23	1
Chloromethane	ND		0.50	0.10	ug/L			06/05/25 02:23	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			06/05/25 02:23	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/05/25 02:23	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/05/25 02:23	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/05/25 02:23	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/05/25 02:23	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/05/25 02:23	1
Styrene	ND		0.50	0.070	ug/L			06/05/25 02:23	1
Tetrachloroethene	0.26	J	0.50	0.20	ug/L			06/05/25 02:23	1
Toluene	ND		0.50	0.080	ug/L			06/05/25 02:23	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/05/25 02:23	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/05/25 02:23	1
Trichloroethene	0.11	J	0.50	0.080	ug/L			06/05/25 02:23	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/05/25 02:23	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/05/25 02:23	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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

Lab Sample ID: 410-224440-11

Date Collected: 05/27/25 13:02

Matrix: Water

Date Received: 05/28/25 17:23

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/05/25 02:23	1
4-Bromofluorobenzene (Surr)	91		80 - 120		06/05/25 02:23	1
Dibromofluoromethane (Surr)	104		80 - 120		06/05/25 02:23	1
Toluene-d8 (Surr)	104		80 - 120		06/05/25 02:23	1

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

Lab Sample ID: 410-224440-12

Date Collected: 05/27/25 09:15

Matrix: Water

Date Received: 05/28/25 17:23

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			06/05/25 02:44	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/05/25 02:44	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/05/25 02:44	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/05/25 02:44	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/05/25 02:44	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/05/25 02:44	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/05/25 02:44	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/05/25 02:44	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/05/25 02:44	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/05/25 02:44	1
2-Hexanone	ND		5.0	2.0	ug/L			06/05/25 02:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/05/25 02:44	1
Acetone	ND		5.0	1.5	ug/L			06/05/25 02:44	1
Benzene	ND		0.50	0.10	ug/L			06/05/25 02:44	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/05/25 02:44	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/05/25 02:44	1
Bromoform	ND		1.0	0.30	ug/L			06/05/25 02:44	1
Bromomethane	ND		0.50	0.10	ug/L			06/05/25 02:44	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/05/25 02:44	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/05/25 02:44	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/05/25 02:44	1
Chloroethane	ND		0.50	0.10	ug/L			06/05/25 02:44	1
Chloroform	ND		0.50	0.090	ug/L			06/05/25 02:44	1
Chloromethane	ND		0.50	0.10	ug/L			06/05/25 02:44	1
cis-1,2-Dichloroethene	0.092	J	0.50	0.080	ug/L			06/05/25 02:44	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/05/25 02:44	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/05/25 02:44	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/05/25 02:44	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/05/25 02:44	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/05/25 02:44	1
Styrene	ND		0.50	0.070	ug/L			06/05/25 02:44	1
Tetrachloroethene	0.52		0.50	0.20	ug/L			06/05/25 02:44	1
Toluene	ND		0.50	0.080	ug/L			06/05/25 02:44	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/05/25 02:44	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/05/25 02:44	1
Trichloroethene	0.14	J	0.50	0.080	ug/L			06/05/25 02:44	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/05/25 02:44	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/05/25 02:44	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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

Lab Sample ID: 410-224440-12

Date Collected: 05/27/25 09:15

Matrix: Water

Date Received: 05/28/25 17:23

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/05/25 02:44	1
4-Bromofluorobenzene (Surr)	91		80 - 120		06/05/25 02:44	1
Dibromofluoromethane (Surr)	104		80 - 120		06/05/25 02:44	1
Toluene-d8 (Surr)	104		80 - 120		06/05/25 02:44	1

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

Lab Sample ID: 410-224440-13

Date Collected: 05/27/25 12:00

Matrix: Water

Date Received: 05/28/25 17:23

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			06/05/25 05:50	1
1,1,1-Trichloroethane	12		0.50	0.080	ug/L			06/05/25 05:50	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/05/25 05:50	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/05/25 05:50	1
1,1-Dichloroethane	2.1		0.50	0.10	ug/L			06/05/25 05:50	1
1,1-Dichloroethene	0.92		0.50	0.10	ug/L			06/05/25 05:50	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/05/25 05:50	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/05/25 05:50	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/05/25 05:50	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/05/25 05:50	1
2-Hexanone	ND		5.0	2.0	ug/L			06/05/25 05:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/05/25 05:50	1
Acetone	ND		5.0	1.5	ug/L			06/05/25 05:50	1
Benzene	ND		0.50	0.10	ug/L			06/05/25 05:50	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/05/25 05:50	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/05/25 05:50	1
Bromoform	ND		1.0	0.30	ug/L			06/05/25 05:50	1
Bromomethane	ND		0.50	0.10	ug/L			06/05/25 05:50	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/05/25 05:50	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/05/25 05:50	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/05/25 05:50	1
Chloroethane	ND		0.50	0.10	ug/L			06/05/25 05:50	1
Chloroform	0.18	J	0.50	0.090	ug/L			06/05/25 05:50	1
Chloromethane	ND		0.50	0.10	ug/L			06/05/25 05:50	1
cis-1,2-Dichloroethene	2.3		0.50	0.080	ug/L			06/05/25 05:50	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/05/25 05:50	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/05/25 05:50	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/05/25 05:50	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/05/25 05:50	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/05/25 05:50	1
Styrene	ND		0.50	0.070	ug/L			06/05/25 05:50	1
Toluene	ND		0.50	0.080	ug/L			06/05/25 05:50	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/05/25 05:50	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/05/25 05:50	1
Trichloroethene	4.6		0.50	0.080	ug/L			06/05/25 05:50	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/05/25 05:50	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/05/25 05:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		06/05/25 05:50	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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

Lab Sample ID: 410-224440-13

Date Collected: 05/27/25 12:00

Matrix: Water

Date Received: 05/28/25 17:23

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		80 - 120		06/05/25 05:50	1
Dibromofluoromethane (Surr)	104		80 - 120		06/05/25 05:50	1
Toluene-d8 (Surr)	100		80 - 120		06/05/25 05:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	150		10	4.0	ug/L			06/05/25 06:11	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		06/05/25 06:11	20
4-Bromofluorobenzene (Surr)	92		80 - 120		06/05/25 06:11	20
Dibromofluoromethane (Surr)	103		80 - 120		06/05/25 06:11	20
Toluene-d8 (Surr)	102		80 - 120		06/05/25 06:11	20

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

Lab Sample ID: 410-224440-14

Date Collected: 05/27/25 00:00

Matrix: Water

Date Received: 05/28/25 17:23

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			06/04/25 22:30	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/04/25 22:30	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/04/25 22:30	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/04/25 22:30	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/04/25 22:30	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/04/25 22:30	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/04/25 22:30	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/04/25 22:30	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/04/25 22:30	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/04/25 22:30	1
2-Hexanone	ND		5.0	2.0	ug/L			06/04/25 22:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/04/25 22:30	1
Acetone	ND		5.0	1.5	ug/L			06/04/25 22:30	1
Benzene	ND		0.50	0.10	ug/L			06/04/25 22:30	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/04/25 22:30	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/04/25 22:30	1
Bromoform	ND		1.0	0.30	ug/L			06/04/25 22:30	1
Bromomethane	ND		0.50	0.10	ug/L			06/04/25 22:30	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/04/25 22:30	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/04/25 22:30	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/04/25 22:30	1
Chloroethane	ND		0.50	0.10	ug/L			06/04/25 22:30	1
Chloroform	ND		0.50	0.090	ug/L			06/04/25 22:30	1
Chloromethane	ND		0.50	0.10	ug/L			06/04/25 22:30	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			06/04/25 22:30	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/04/25 22:30	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/04/25 22:30	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/04/25 22:30	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/04/25 22:30	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/04/25 22:30	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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

Lab Sample ID: 410-224440-14

Date Collected: 05/27/25 00:00

Matrix: Water

Date Received: 05/28/25 17:23

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			06/04/25 22:30	1
Tetrachloroethene	ND		0.50	0.20	ug/L			06/04/25 22:30	1
Toluene	ND		0.50	0.080	ug/L			06/04/25 22:30	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/04/25 22:30	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/04/25 22:30	1
Trichloroethene	ND		0.50	0.080	ug/L			06/04/25 22:30	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/04/25 22:30	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/04/25 22:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		06/04/25 22:30	1
4-Bromofluorobenzene (Surr)	93		80 - 120		06/04/25 22:30	1
Dibromofluoromethane (Surr)	104		80 - 120		06/04/25 22:30	1
Toluene-d8 (Surr)	102		80 - 120		06/04/25 22:30	1

Default Detection Limits

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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

Analyte	RL	MDL
1,1,1,2-Tetrachloroethane	0.50 ug/L	0.070 ug/L
1,1,1-Trichloroethane	0.50 ug/L	0.080 ug/L
1,1,2,2-Tetrachloroethane	0.50 ug/L	0.10 ug/L
1,1,2-Trichloroethane	0.50 ug/L	0.080 ug/L
1,1-Dichloroethane	0.50 ug/L	0.10 ug/L
1,1-Dichloroethene	0.50 ug/L	0.10 ug/L
1,2-Dibromoethane (EDB)	0.50 ug/L	0.080 ug/L
1,2-Dichloroethane	0.50 ug/L	0.070 ug/L
1,2-Dichloropropane	0.50 ug/L	0.10 ug/L
2-Butanone (MEK)	5.0 ug/L	1.0 ug/L
2-Hexanone	5.0 ug/L	2.0 ug/L
4-Methyl-2-pentanone (MIBK)	5.0 ug/L	1.0 ug/L
Acetone	5.0 ug/L	1.5 ug/L
Benzene	0.50 ug/L	0.10 ug/L
Bromochloromethane	0.50 ug/L	0.080 ug/L
Bromodichloromethane	0.50 ug/L	0.080 ug/L
Bromoform	1.0 ug/L	0.30 ug/L
Bromomethane	0.50 ug/L	0.10 ug/L
Carbon disulfide	1.0 ug/L	0.10 ug/L
Carbon tetrachloride	0.50 ug/L	0.10 ug/L
Chlorobenzene	0.50 ug/L	0.070 ug/L
Chloroethane	0.50 ug/L	0.10 ug/L
Chloroform	0.50 ug/L	0.090 ug/L
Chloromethane	0.50 ug/L	0.10 ug/L
cis-1,2-Dichloroethene	0.50 ug/L	0.080 ug/L
cis-1,3-Dichloropropene	0.50 ug/L	0.10 ug/L
Dibromochloromethane	0.50 ug/L	0.080 ug/L
Ethylbenzene	0.50 ug/L	0.080 ug/L
Methyl tert-butyl ether	0.50 ug/L	0.080 ug/L
Methylene Chloride	0.50 ug/L	0.20 ug/L
Styrene	0.50 ug/L	0.070 ug/L
Tetrachloroethene	0.50 ug/L	0.20 ug/L
Toluene	0.50 ug/L	0.080 ug/L
trans-1,2-Dichloroethene	0.50 ug/L	0.10 ug/L
trans-1,3-Dichloropropene	0.50 ug/L	0.080 ug/L
Trichloroethene	0.50 ug/L	0.080 ug/L
Vinyl chloride	0.50 ug/L	0.10 ug/L
Xylenes, Total	1.0 ug/L	0.070 ug/L

Surrogate Summary

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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)
410-224440-1	HD-COD-SW-6-0/1-0	109	97	102	99
410-224440-2	HD-COD-SW-7-0/1-0	106	94	102	98
410-224440-3	HD-COD-SW-8-0/1-0	109	93	103	99
410-224440-4	HD-COD-SW-9-0/1-0	107	95	104	99
410-224440-5	HD-COD-SW-13-0/1-0	107	94	104	98
410-224440-6	HD-COD-SW-15-0/1-0	108	92	103	99
410-224440-6 MS	HD-COD-SW-15-0/1-0 MS	102	99	99	103
410-224440-6 MSD	HD-COD-SW-15-0/1-0 MSD	105	99	99	101
410-224440-7	HD-COD-SW-16-0/1-0	106	93	103	102
410-224440-8	HD-COD-SW-17-0/1-0	106	93	105	101
410-224440-8 - DL	HD-COD-SW-17-0/1-0	103	91	103	104
410-224440-9	HD-COD-SW-26-0/1-0	103	94	102	104
410-224440-10	HD-COD-SW-27-0/1-0	103	93	104	104
410-224440-11	HD-COD-SW-28-0/1-0	104	91	104	104
410-224440-12	HD-COD-SW-29-0/1-0	104	91	104	104
410-224440-13	HD-QC1-0/1-1	105	91	104	100
410-224440-13 - DL	HD-QC1-0/1-1	105	92	103	102
410-224440-14	HD-QC1-0/1-2	105	93	104	102
LCS 410-652669/5	Lab Control Sample	103	101	96	103
LCS 410-653082/4	Lab Control Sample	100	96	104	103
MB 410-652669/7	Method Blank	106	95	97	99
MB 410-653082/6	Method Blank	105	98	102	104

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, York PA

Job ID: 410-224440-1

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

Lab Sample ID: MB 410-652669/7

Matrix: Water

Analysis Batch: 652669

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			06/04/25 15:27	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/04/25 15:27	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/04/25 15:27	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/04/25 15:27	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/04/25 15:27	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/04/25 15:27	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/04/25 15:27	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/04/25 15:27	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/04/25 15:27	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/04/25 15:27	1
2-Hexanone	ND		5.0	2.0	ug/L			06/04/25 15:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/04/25 15:27	1
Acetone	ND		5.0	1.5	ug/L			06/04/25 15:27	1
Benzene	ND		0.50	0.10	ug/L			06/04/25 15:27	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/04/25 15:27	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/04/25 15:27	1
Bromoform	ND		1.0	0.30	ug/L			06/04/25 15:27	1
Bromomethane	ND		0.50	0.10	ug/L			06/04/25 15:27	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/04/25 15:27	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/04/25 15:27	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/04/25 15:27	1
Chloroethane	ND		0.50	0.10	ug/L			06/04/25 15:27	1
Chloroform	ND		0.50	0.090	ug/L			06/04/25 15:27	1
Chloromethane	ND		0.50	0.10	ug/L			06/04/25 15:27	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			06/04/25 15:27	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/04/25 15:27	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/04/25 15:27	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/04/25 15:27	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/04/25 15:27	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/04/25 15:27	1
Styrene	ND		0.50	0.070	ug/L			06/04/25 15:27	1
Tetrachloroethene	ND		0.50	0.20	ug/L			06/04/25 15:27	1
Toluene	ND		0.50	0.080	ug/L			06/04/25 15:27	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/04/25 15:27	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/04/25 15:27	1
Trichloroethene	ND		0.50	0.080	ug/L			06/04/25 15:27	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/04/25 15:27	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/04/25 15:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		06/04/25 15:27	1
4-Bromofluorobenzene (Surr)	95		80 - 120		06/04/25 15:27	1
Dibromofluoromethane (Surr)	97		80 - 120		06/04/25 15:27	1
Toluene-d8 (Surr)	99		80 - 120		06/04/25 15:27	1

QC Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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

Lab Sample ID: LCS 410-652669/5

Matrix: Water

Analysis Batch: 652669

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	4.67		ug/L		93	80 - 122
1,1,1-Trichloroethane	5.00	4.52		ug/L		90	78 - 126
1,1,2,2-Tetrachloroethane	5.00	4.21		ug/L		84	75 - 123
1,1,2-Trichloroethane	5.00	4.65		ug/L		93	80 - 120
1,1-Dichloroethane	5.00	4.67		ug/L		93	74 - 120
1,1-Dichloroethene	5.00	5.02		ug/L		100	80 - 131
1,2-Dibromoethane (EDB)	5.00	4.48		ug/L		90	80 - 120
1,2-Dichloroethane	5.00	4.00		ug/L		80	69 - 122
1,2-Dichloropropane	5.00	4.52		ug/L		90	80 - 120
2-Butanone (MEK)	62.5	51.7		ug/L		83	59 - 141
2-Hexanone	62.5	51.2		ug/L		82	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	50.6		ug/L		81	55 - 140
Acetone	62.5	46.4		ug/L		74	60 - 146
Benzene	5.00	4.65		ug/L		93	80 - 120
Bromochloromethane	5.00	4.61		ug/L		92	80 - 133
Bromodichloromethane	5.00	4.32		ug/L		86	80 - 123
Bromoform	5.00	4.60		ug/L		92	75 - 126
Bromomethane	5.00	3.80		ug/L		76	63 - 120
Carbon disulfide	5.00	4.25		ug/L		85	67 - 130
Carbon tetrachloride	5.00	4.53		ug/L		91	64 - 141
Chlorobenzene	5.00	4.76		ug/L		95	80 - 120
Chloroethane	5.00	3.92		ug/L		78	63 - 120
Chloroform	5.00	4.43		ug/L		89	80 - 120
Chloromethane	5.00	3.24		ug/L		65	56 - 124
cis-1,2-Dichloroethene	5.00	5.08		ug/L		102	80 - 122
cis-1,3-Dichloropropene	5.00	4.52		ug/L		90	67 - 121
Dibromochloromethane	5.00	4.48		ug/L		90	80 - 123
Ethylbenzene	5.00	4.80		ug/L		96	80 - 120
Methyl tert-butyl ether	5.00	4.52		ug/L		90	69 - 120
Methylene Chloride	5.00	4.71		ug/L		94	80 - 120
Styrene	5.00	5.34		ug/L		107	80 - 120
Tetrachloroethene	5.00	4.60		ug/L		92	80 - 120
Toluene	5.00	4.89		ug/L		98	80 - 120
trans-1,2-Dichloroethene	5.00	4.94		ug/L		99	80 - 122
trans-1,3-Dichloropropene	5.00	4.68		ug/L		94	61 - 129
Trichloroethene	5.00	4.57		ug/L		91	80 - 120
Vinyl chloride	5.00	4.10		ug/L		82	60 - 125
Xylenes, Total	15.0	15.2		ug/L		101	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	96		80 - 120
Toluene-d8 (Surr)	103		80 - 120

QC Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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

Lab Sample ID: 410-224440-6 MS

Matrix: Water

Analysis Batch: 652669

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

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	ND		5.00	4.45		ug/L		89	80 - 122
1,1,1-Trichloroethane	0.35	J	5.00	4.90		ug/L		91	78 - 126
1,1,2,2-Tetrachloroethane	ND		5.00	3.75		ug/L		75	75 - 123
1,1,2-Trichloroethane	ND		5.00	4.27		ug/L		85	80 - 120
1,1-Dichloroethane	0.11	J	5.00	4.60		ug/L		90	74 - 120
1,1-Dichloroethene	0.18	J	5.00	5.27		ug/L		102	80 - 131
1,2-Dibromoethane (EDB)	ND		5.00	4.10		ug/L		82	80 - 120
1,2-Dichloroethane	ND		5.00	3.84		ug/L		77	69 - 122
1,2-Dichloropropane	ND		5.00	4.18		ug/L		84	80 - 120
2-Butanone (MEK)	ND		62.6	49.7		ug/L		80	59 - 141
2-Hexanone	ND		62.6	49.9		ug/L		80	52 - 140
4-Methyl-2-pentanone (MIBK)	ND		62.6	49.2		ug/L		79	55 - 140
Acetone	ND	^c cn	62.6	41.8		ug/L		67	60 - 146
Benzene	ND		5.00	4.48		ug/L		89	80 - 120
Bromochloromethane	ND		5.00	4.44		ug/L		89	80 - 133
Bromodichloromethane	ND		5.00	4.07		ug/L		81	80 - 123
Bromoform	ND		5.00	4.02		ug/L		80	75 - 126
Bromomethane	ND		5.00	3.93		ug/L		78	63 - 120
Carbon disulfide	ND		5.00	4.25		ug/L		85	67 - 130
Carbon tetrachloride	ND		5.00	4.69		ug/L		94	64 - 141
Chlorobenzene	ND		5.00	4.59		ug/L		92	80 - 120
Chloroethane	ND	^c cn	5.00	4.06		ug/L		81	63 - 120
Chloroform	0.18	J	5.00	4.50		ug/L		86	80 - 120
Chloromethane	ND	^c FL cn	5.00	3.46	FL	ug/L		69	80 - 120
cis-1,2-Dichloroethene	0.90		5.00	5.79		ug/L		98	80 - 122
cis-1,3-Dichloropropene	ND		5.00	4.11		ug/L		82	67 - 121
Dibromochloromethane	ND		5.00	4.14		ug/L		83	80 - 123
Ethylbenzene	ND		5.00	4.63		ug/L		92	80 - 120
Methyl tert-butyl ether	ND		5.00	4.11		ug/L		82	69 - 120
Methylene Chloride	ND		5.00	4.53		ug/L		91	80 - 120
Styrene	ND		5.00	5.00		ug/L		100	80 - 120
Tetrachloroethene	5.7		5.00	10.3		ug/L		91	80 - 120
Toluene	ND		5.00	4.69		ug/L		94	80 - 120
trans-1,2-Dichloroethene	ND		5.00	4.83		ug/L		97	80 - 122
trans-1,3-Dichloropropene	ND		5.00	4.19		ug/L		84	61 - 129
Trichloroethene	1.4		5.00	5.78		ug/L		88	80 - 120
Vinyl chloride	ND		5.00	4.28		ug/L		86	60 - 125
Xylenes, Total	ND		15.0	14.3		ug/L		95	80 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
Toluene-d8 (Surr)	103		80 - 120

QC Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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

Lab Sample ID: 410-224440-6 MSD

Matrix: Water

Analysis Batch: 652669

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

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		5.00	4.54		ug/L		91	80 - 122	2	30
1,1,1-Trichloroethane	0.35	J	5.00	5.01		ug/L		93	78 - 126	2	30
1,1,2,2-Tetrachloroethane	ND		5.00	3.96		ug/L		79	75 - 123	5	30
1,1,2-Trichloroethane	ND		5.00	4.37		ug/L		87	80 - 120	2	30
1,1-Dichloroethane	0.11	J	5.00	4.77		ug/L		93	74 - 120	4	30
1,1-Dichloroethene	0.18	J	5.00	5.33		ug/L		103	80 - 131	1	30
1,2-Dibromoethane (EDB)	ND		5.00	4.22		ug/L		84	80 - 120	3	30
1,2-Dichloroethane	ND		5.00	3.89		ug/L		78	69 - 122	1	30
1,2-Dichloropropane	ND		5.00	4.37		ug/L		87	80 - 120	4	30
2-Butanone (MEK)	ND		62.6	47.9		ug/L		77	59 - 141	4	30
2-Hexanone	ND		62.6	47.1		ug/L		75	52 - 140	6	30
4-Methyl-2-pentanone (MIBK)	ND		62.6	46.8		ug/L		75	55 - 140	5	30
Acetone	ND	^c cn	62.6	41.4		ug/L		66	60 - 146	1	30
Benzene	ND		5.00	4.55		ug/L		91	80 - 120	2	30
Bromochloromethane	ND		5.00	4.44		ug/L		89	80 - 133	0	30
Bromodichloromethane	ND		5.00	4.20		ug/L		84	80 - 123	3	30
Bromoform	ND		5.00	4.19		ug/L		84	75 - 126	4	30
Bromomethane	ND		5.00	3.70		ug/L		74	63 - 120	6	30
Carbon disulfide	ND		5.00	4.31		ug/L		86	67 - 130	1	30
Carbon tetrachloride	ND		5.00	4.83		ug/L		97	64 - 141	3	30
Chlorobenzene	ND		5.00	4.61		ug/L		92	80 - 120	0	30
Chloroethane	ND	^c cn	5.00	3.81		ug/L		76	63 - 120	6	30
Chloroform	0.18	J	5.00	4.56		ug/L		87	80 - 120	1	30
Chloromethane	ND	^c FL cn	5.00	3.40	FL	ug/L		68	80 - 120	2	30
cis-1,2-Dichloroethene	0.90		5.00	5.85		ug/L		99	80 - 122	1	30
cis-1,3-Dichloropropene	ND		5.00	4.25		ug/L		85	67 - 121	4	30
Dibromochloromethane	ND		5.00	4.24		ug/L		85	80 - 123	2	30
Ethylbenzene	ND		5.00	4.67		ug/L		93	80 - 120	1	30
Methyl tert-butyl ether	ND		5.00	4.29		ug/L		86	69 - 120	4	30
Methylene Chloride	ND		5.00	4.64		ug/L		93	80 - 120	2	30
Styrene	ND		5.00	5.09		ug/L		102	80 - 120	2	30
Tetrachloroethene	5.7		5.00	10.3		ug/L		92	80 - 120	0	30
Toluene	ND		5.00	4.77		ug/L		95	80 - 120	2	30
trans-1,2-Dichloroethene	ND		5.00	5.01		ug/L		100	80 - 122	4	30
trans-1,3-Dichloropropene	ND		5.00	4.25		ug/L		85	61 - 129	1	30
Trichloroethene	1.4		5.00	5.94		ug/L		91	80 - 120	3	30
Vinyl chloride	ND		5.00	4.07		ug/L		81	60 - 125	5	30
Xylenes, Total	ND		15.0	14.6		ug/L		97	80 - 120	2	30

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
1,2-Dichloroethane-d4 (Surr)	105		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
Toluene-d8 (Surr)	101		80 - 120

QC Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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

Lab Sample ID: MB 410-653082/6

Matrix: Water

Analysis Batch: 653082

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			06/04/25 22:10	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/04/25 22:10	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/04/25 22:10	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/04/25 22:10	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/04/25 22:10	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/04/25 22:10	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			06/04/25 22:10	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/04/25 22:10	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/04/25 22:10	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			06/04/25 22:10	1
2-Hexanone	ND		5.0	2.0	ug/L			06/04/25 22:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			06/04/25 22:10	1
Acetone	ND		5.0	1.5	ug/L			06/04/25 22:10	1
Benzene	ND		0.50	0.10	ug/L			06/04/25 22:10	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/04/25 22:10	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/04/25 22:10	1
Bromoform	ND		1.0	0.30	ug/L			06/04/25 22:10	1
Bromomethane	ND		0.50	0.10	ug/L			06/04/25 22:10	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/04/25 22:10	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/04/25 22:10	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/04/25 22:10	1
Chloroethane	ND		0.50	0.10	ug/L			06/04/25 22:10	1
Chloroform	ND		0.50	0.090	ug/L			06/04/25 22:10	1
Chloromethane	ND		0.50	0.10	ug/L			06/04/25 22:10	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			06/04/25 22:10	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/04/25 22:10	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/04/25 22:10	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/04/25 22:10	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			06/04/25 22:10	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/04/25 22:10	1
Styrene	ND		0.50	0.070	ug/L			06/04/25 22:10	1
Tetrachloroethene	ND		0.50	0.20	ug/L			06/04/25 22:10	1
Toluene	ND		0.50	0.080	ug/L			06/04/25 22:10	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/04/25 22:10	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/04/25 22:10	1
Trichloroethene	ND		0.50	0.080	ug/L			06/04/25 22:10	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/04/25 22:10	1
Xylenes, Total	ND		1.0	0.070	ug/L			06/04/25 22:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		06/04/25 22:10	1
4-Bromofluorobenzene (Surr)	98		80 - 120		06/04/25 22:10	1
Dibromofluoromethane (Surr)	102		80 - 120		06/04/25 22:10	1
Toluene-d8 (Surr)	104		80 - 120		06/04/25 22:10	1

QC Sample Results

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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

Lab Sample ID: LCS 410-653082/4

Matrix: Water

Analysis Batch: 653082

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	5.32		ug/L		106	80 - 122
1,1,1-Trichloroethane	5.00	5.60		ug/L		112	78 - 126
1,1,2,2-Tetrachloroethane	5.00	5.42		ug/L		108	75 - 123
1,1,2-Trichloroethane	5.00	5.39		ug/L		108	80 - 120
1,1-Dichloroethane	5.00	5.86		ug/L		117	74 - 120
1,1-Dichloroethene	5.00	6.32		ug/L		126	80 - 131
1,2-Dibromoethane (EDB)	5.00	5.34		ug/L		107	80 - 120
1,2-Dichloroethane	5.00	5.51		ug/L		110	69 - 122
1,2-Dichloropropane	5.00	5.84		ug/L		117	80 - 120
2-Butanone (MEK)	62.5	66.3		ug/L		106	59 - 141
2-Hexanone	62.5	59.4		ug/L		95	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	66.7		ug/L		107	55 - 140
Acetone	62.5	54.5		ug/L		87	60 - 146
Benzene	5.00	5.55		ug/L		111	80 - 120
Bromochloromethane	5.00	5.62		ug/L		112	80 - 133
Bromodichloromethane	5.00	5.67		ug/L		113	80 - 123
Bromoform	5.00	5.15		ug/L		103	75 - 126
Bromomethane	5.00	4.67		ug/L		93	63 - 120
Carbon disulfide	5.00	5.32		ug/L		106	67 - 130
Carbon tetrachloride	5.00	5.56		ug/L		111	64 - 141
Chlorobenzene	5.00	5.28		ug/L		106	80 - 120
Chloroethane	5.00	5.20		ug/L		104	63 - 120
Chloroform	5.00	5.59		ug/L		112	80 - 120
Chloromethane	5.00	3.97		ug/L		79	56 - 124
cis-1,2-Dichloroethene	5.00	5.47		ug/L		109	80 - 122
cis-1,3-Dichloropropene	5.00	5.20		ug/L		104	67 - 121
Dibromochloromethane	5.00	5.37		ug/L		107	80 - 123
Ethylbenzene	5.00	5.42		ug/L		108	80 - 120
Methyl tert-butyl ether	5.00	5.06		ug/L		101	69 - 120
Methylene Chloride	5.00	5.81		ug/L		116	80 - 120
Styrene	5.00	5.64		ug/L		113	80 - 120
Tetrachloroethene	5.00	5.16		ug/L		103	80 - 120
Toluene	5.00	5.34		ug/L		107	80 - 120
trans-1,2-Dichloroethene	5.00	5.94		ug/L		119	80 - 122
trans-1,3-Dichloropropene	5.00	5.35		ug/L		107	61 - 129
Trichloroethene	5.00	5.56		ug/L		111	80 - 120
Vinyl chloride	5.00	4.30		ug/L		86	60 - 125
Xylenes, Total	15.0	16.2		ug/L		108	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	104		80 - 120
Toluene-d8 (Surr)	103		80 - 120

QC Association Summary

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

GC/MS VOA

Analysis Batch: 652669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-224440-1	HD-COD-SW-6-0/1-0	Total/NA	Water	8260D	
410-224440-2	HD-COD-SW-7-0/1-0	Total/NA	Water	8260D	
410-224440-3	HD-COD-SW-8-0/1-0	Total/NA	Water	8260D	
410-224440-4	HD-COD-SW-9-0/1-0	Total/NA	Water	8260D	
410-224440-5	HD-COD-SW-13-0/1-0	Total/NA	Water	8260D	
410-224440-6	HD-COD-SW-15-0/1-0	Total/NA	Water	8260D	
MB 410-652669/7	Method Blank	Total/NA	Water	8260D	
LCS 410-652669/5	Lab Control Sample	Total/NA	Water	8260D	
410-224440-6 MS	HD-COD-SW-15-0/1-0 MS	Total/NA	Water	8260D	
410-224440-6 MSD	HD-COD-SW-15-0/1-0 MSD	Total/NA	Water	8260D	

Analysis Batch: 653082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-224440-7	HD-COD-SW-16-0/1-0	Total/NA	Water	8260D	
410-224440-8	HD-COD-SW-17-0/1-0	Total/NA	Water	8260D	
410-224440-8 - DL	HD-COD-SW-17-0/1-0	Total/NA	Water	8260D	
410-224440-9	HD-COD-SW-26-0/1-0	Total/NA	Water	8260D	
410-224440-10	HD-COD-SW-27-0/1-0	Total/NA	Water	8260D	
410-224440-11	HD-COD-SW-28-0/1-0	Total/NA	Water	8260D	
410-224440-12	HD-COD-SW-29-0/1-0	Total/NA	Water	8260D	
410-224440-13	HD-QC1-0/1-1	Total/NA	Water	8260D	
410-224440-13 - DL	HD-QC1-0/1-1	Total/NA	Water	8260D	
410-224440-14	HD-QC1-0/1-2	Total/NA	Water	8260D	
MB 410-653082/6	Method Blank	Total/NA	Water	8260D	
LCS 410-653082/4	Lab Control Sample	Total/NA	Water	8260D	

Lab Chronicle

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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

Lab Sample ID: 410-224440-1

Date Collected: 05/27/25 10:38

Matrix: Water

Date Received: 05/28/25 17:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	652669	N7YK	ELLE	06/04/25 23:05

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

Lab Sample ID: 410-224440-2

Date Collected: 05/27/25 11:18

Matrix: Water

Date Received: 05/28/25 17:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	652669	N7YK	ELLE	06/04/25 23:26

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

Lab Sample ID: 410-224440-3

Date Collected: 05/27/25 09:30

Matrix: Water

Date Received: 05/28/25 17:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	652669	N7YK	ELLE	06/04/25 23:47

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

Lab Sample ID: 410-224440-4

Date Collected: 05/27/25 12:45

Matrix: Water

Date Received: 05/28/25 17:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	652669	N7YK	ELLE	06/05/25 00:08

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

Lab Sample ID: 410-224440-5

Date Collected: 05/27/25 09:42

Matrix: Water

Date Received: 05/28/25 17:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	652669	N7YK	ELLE	06/05/25 00:29

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

Lab Sample ID: 410-224440-6

Date Collected: 05/27/25 11:45

Matrix: Water

Date Received: 05/28/25 17:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	652669	N7YK	ELLE	06/04/25 21:41

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

Lab Sample ID: 410-224440-7

Date Collected: 05/27/25 10:12

Matrix: Water

Date Received: 05/28/25 17:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	653082	JS6E	ELLE	06/05/25 01:20

Lab Chronicle

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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

Lab Sample ID: 410-224440-8

Date Collected: 05/27/25 10:18

Matrix: Water

Date Received: 05/28/25 17:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	653082	JS6E	ELLE	06/05/25 05:09
Total/NA	Analysis	8260D	DL	20	653082	JS6E	ELLE	06/05/25 05:30

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

Lab Sample ID: 410-224440-9

Date Collected: 05/27/25 11:00

Matrix: Water

Date Received: 05/28/25 17:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	653082	JS6E	ELLE	06/05/25 01:41

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

Lab Sample ID: 410-224440-10

Date Collected: 05/27/25 11:30

Matrix: Water

Date Received: 05/28/25 17:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	653082	JS6E	ELLE	06/05/25 02:02

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

Lab Sample ID: 410-224440-11

Date Collected: 05/27/25 13:02

Matrix: Water

Date Received: 05/28/25 17:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	653082	JS6E	ELLE	06/05/25 02:23

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

Lab Sample ID: 410-224440-12

Date Collected: 05/27/25 09:15

Matrix: Water

Date Received: 05/28/25 17:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	653082	JS6E	ELLE	06/05/25 02:44

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

Lab Sample ID: 410-224440-13

Date Collected: 05/27/25 12:00

Matrix: Water

Date Received: 05/28/25 17:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	653082	JS6E	ELLE	06/05/25 05:50
Total/NA	Analysis	8260D	DL	20	653082	JS6E	ELLE	06/05/25 06:11

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

Lab Sample ID: 410-224440-14

Date Collected: 05/27/25 00:00

Matrix: Water

Date Received: 05/28/25 17:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	653082	JS6E	ELLE	06/04/25 22:30

Lab Chronicle

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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, York PA

Job ID: 410-224440-1

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	01-31-26

Method Summary

Client: Groundwater Sciences Corporation
Project/Site: fYNOP, York PA

Job ID: 410-224440-1

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, York PA

Job ID: 410-224440-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-224440-1	HD-COD-SW-6-0/1-0	Water	05/27/25 10:38	05/28/25 17:23
410-224440-2	HD-COD-SW-7-0/1-0	Water	05/27/25 11:18	05/28/25 17:23
410-224440-3	HD-COD-SW-8-0/1-0	Water	05/27/25 09:30	05/28/25 17:23
410-224440-4	HD-COD-SW-9-0/1-0	Water	05/27/25 12:45	05/28/25 17:23
410-224440-5	HD-COD-SW-13-0/1-0	Water	05/27/25 09:42	05/28/25 17:23
410-224440-6	HD-COD-SW-15-0/1-0	Water	05/27/25 11:45	05/28/25 17:23
410-224440-7	HD-COD-SW-16-0/1-0	Water	05/27/25 10:12	05/28/25 17:23
410-224440-8	HD-COD-SW-17-0/1-0	Water	05/27/25 10:18	05/28/25 17:23
410-224440-9	HD-COD-SW-26-0/1-0	Water	05/27/25 11:00	05/28/25 17:23
410-224440-10	HD-COD-SW-27-0/1-0	Water	05/27/25 11:30	05/28/25 17:23
410-224440-11	HD-COD-SW-28-0/1-0	Water	05/27/25 13:02	05/28/25 17:23
410-224440-12	HD-COD-SW-29-0/1-0	Water	05/27/25 09:15	05/28/25 17:23
410-224440-13	HD-QC1-0/1-1	Water	05/27/25 12:00	05/28/25 17:23
410-224440-14	HD-QC1-0/1-2	Water	05/27/25 00:00	05/28/25 17:23

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Instrument ID: 19094

Analysis Batch Number: 623992

Lab Sample ID: IC 410-623992/13

Client Sample ID:

Date Analyzed: 03/31/25 15:52

Lab File ID: HM31X12.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.12	Other	UKEK	04/11/25 08:10
Bromomethane	2.42	Incomplete Integration	N7YK	04/01/25 15:57
Dichlorofluoromethane	2.72	Incomplete Integration	N7YK	04/01/25 15:57
Carbon disulfide	3.56	Incomplete Integration	N7YK	04/01/25 15:58
2-Chloro-1,3-butadiene	5.05	Incomplete Integration	N7YK	04/01/25 15:58
Chloroform	6.26	Incomplete Integration	N7YK	04/01/25 15:58
Carbon tetrachloride	6.70	Incomplete Integration	N7YK	04/01/25 15:59
1,1-Dichloropropene	6.72	Incomplete Integration	N7YK	04/01/25 15:58
Methylcyclohexane	8.19	Incomplete Integration	N7YK	04/01/25 15:59
4-Methyl-2-pentanone (MIBK)	9.34	Other	UKEK	04/11/25 08:29
Tetrachloroethene	10.13	Other	UKEK	04/11/25 08:32
1,3-Dichloropropane	10.21	Other	UKEK	04/11/25 08:32
m&p-Xylene	11.23	Incomplete Integration	N7YK	04/01/25 15:59
n-Butylbenzene	13.16	Incomplete Integration	N7YK	04/01/25 16:00
1,3,5-Trichlorobenzene	13.87	Incomplete Integration	N7YK	04/01/25 16:00

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Instrument ID: 19094

Analysis Batch Number: 623992

Lab Sample ID: IC 410-623992/14

Client Sample ID:

Date Analyzed: 03/31/25 16:13

Lab File ID: HM31X13.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon 123a	3.07	Incomplete Integration	N7YK	04/01/25 16:01
Acrolein	3.22	Incomplete Integration	N7YK	04/01/25 16:02
Acetone	3.45	Incomplete Integration	N7YK	04/01/25 16:02
t-Butyl alcohol	4.02	Incomplete Integration	N7YK	04/01/25 16:02
1,1-Dichloroethane	4.94	Incomplete Integration	N7YK	04/01/25 16:03
cis-1,2-Dichloroethene	5.81	Other	UKEK	04/11/25 08:54
Methacrylonitrile	6.11	Incomplete Integration	N7YK	04/01/25 16:03
Dibromomethane	8.34	Incomplete Integration	N7YK	04/02/25 15:16
2-Nitropropane	8.85	Incomplete Integration	N7YK	04/01/25 16:04
1-Bromo-2-chloroethane	8.99	Incomplete Integration	N7YK	04/01/25 16:04
cis-1,3-Dichloropropene	9.18	Incomplete Integration	N7YK	04/01/25 16:04
trans-1,3-Dichloropropene	9.87	Incomplete Integration	N7YK	04/01/25 16:04
Ethyl methacrylate	9.93	Incomplete Integration	N7YK	04/01/25 16:04
1,1,2-Trichloroethane	10.05	Incomplete Integration	N7YK	04/01/25 16:04
1-Chlorohexane	11.00	Incomplete Integration	N7YK	04/01/25 16:04
n-Butylbenzene	13.15	Incomplete Integration	N7YK	04/01/25 16:05
Naphthalene	14.48	Incomplete Integration	N7YK	04/01/25 16:05

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Instrument ID: 19094

Analysis Batch Number: 623992

Lab Sample ID: IC 410-623992/15

Client Sample ID:

Date Analyzed: 03/31/25 16:34

Lab File ID: HM31X14.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.76	Incomplete Integration	N7YK	04/01/25 16:06
t-Butyl alcohol	3.96	Incomplete Integration	N7YK	04/01/25 16:06
Dibromomethane	8.34	Incomplete Integration	N7YK	04/01/25 16:07
2-Nitropropane	8.84	Incomplete Integration	N7YK	04/01/25 16:07
1-Bromo-2-chloroethane	8.98	Incomplete Integration	N7YK	04/01/25 16:07
cis-1,3-Dichloropropene	9.16	Incomplete Integration	N7YK	04/01/25 16:07
trans-1,3-Dichloropropene	9.84	Incomplete Integration	N7YK	04/01/25 16:07
Ethyl methacrylate	9.92	Incomplete Integration	N7YK	04/01/25 16:07

Lab Sample ID: IC 410-623992/16

Client Sample ID:

Date Analyzed: 03/31/25 16:54

Lab File ID: HM31X15.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Propionitrile	5.92	Other	UKEK	04/11/25 09:46
n-Butanol	8.01	Incomplete Integration	DVW2	04/10/25 10:34

Lab Sample ID: IC 410-623992/17

Client Sample ID:

Date Analyzed: 03/31/25 17:16

Lab File ID: HM31X16.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.41	Incomplete Integration	N7YK	04/01/25 16:13
Methyl acetate	3.73	Incomplete Integration	DVW2	04/10/25 10:10
Acrylonitrile	4.26	Incomplete Integration	DVW2	04/10/25 10:16
Propionitrile	5.89	Other	UKEK	04/11/25 09:46
n-Butanol	7.92	Incomplete Integration	DVW2	04/10/25 10:34
1,4-Dioxane	8.32	Incomplete Integration	N7YK	04/01/25 16:14

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Instrument ID: 19094

Analysis Batch Number: 623992

Lab Sample ID: IC 410-623992/18

Client Sample ID:

Date Analyzed: 03/31/25 17:36

Lab File ID: HM31X17.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.72	Other	UKEK	04/11/25 09:49
t-Butyl alcohol	4.01	Other	UKEK	04/11/25 09:48
Acrylonitrile	4.28	Other	UKEK	04/11/25 09:48
Propionitrile	5.88	Other	UKEK	04/11/25 09:47
n-Butanol	7.83	Incomplete Integration	DVW2	04/10/25 10:34
1,4-Dioxane	8.34	Incomplete Integration	N7YK	04/01/25 16:17

Lab Sample ID: IC 410-623992/19

Client Sample ID:

Date Analyzed: 03/31/25 17:57

Lab File ID: HM31X18.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.68	Incomplete Integration	N7YK	04/01/25 16:18
t-Butyl alcohol	3.97	Incomplete Integration	N7YK	04/02/25 15:26
1,4-Dioxane	8.32	Incomplete Integration	N7YK	04/01/25 16:19

Lab Sample ID: ICIS 410-623992/20

Client Sample ID:

Date Analyzed: 03/31/25 18:18

Lab File ID: HM31X19.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.69	Incomplete Integration	N7YK	04/01/25 16:20
Acrylonitrile	4.22	Other	UKEK	04/11/25 09:53
1,4-Dioxane	8.33	Incomplete Integration	N7YK	04/01/25 16:20

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Instrument ID: 19094

Analysis Batch Number: 623992

Lab Sample ID: IC 410-623992/21

Client Sample ID:

Date Analyzed: 03/31/25 18:38

Lab File ID: HM31X20.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.68	Incomplete Integration	DVW2	04/10/25 10:10
Methylene Chloride	3.89	Other	UKEK	04/11/25 09:37
Acrylonitrile	4.21	Other	UKEK	04/11/25 09:56
1,4-Dioxane	8.33	Incomplete Integration	N7YK	04/01/25 16:22

Lab Sample ID: ICV 410-623992/23

Client Sample ID:

Date Analyzed: 03/31/25 19:20

Lab File ID: HM31X22.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.32	Incomplete Integration	N7YK	04/01/25 16:24

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Instrument ID: 19094

Analysis Batch Number: 653082

Lab Sample ID: CCVIS 410-653082/3

Client Sample ID:

Date Analyzed: 06/04/25 21:08

Lab File ID: HU04X32.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.70	Incomplete Integration	JS6E	06/04/25 21:51
t-Butyl alcohol	3.98	Incomplete Integration	JS6E	06/04/25 21:51
Methyl methacrylate	8.31	Peak assignment corrected	JS6E	06/04/25 21:52
1,4-Dioxane	8.32	Incomplete Integration	JS6E	06/04/25 21:52

Lab Sample ID: 410-224440-7

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

Date Analyzed: 06/05/25 01:20

Lab File ID: HU04X44.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	5.81	Incomplete Integration	FQ4L	06/05/25 13:41
Trichloroethene	7.90	Incomplete Integration	FQ4L	06/05/25 13:41
1,1,1-Trichloroethane		Invalid Compound ID	FQ4L	06/05/25 13:41

Lab Sample ID: 410-224440-9

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

Date Analyzed: 06/05/25 01:41

Lab File ID: HU04X45.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	7.90	Incomplete Integration	FQ4L	06/05/25 13:43

Lab Sample ID: 410-224440-10

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

Date Analyzed: 06/05/25 02:02

Lab File ID: HU04X46.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromodichloromethane	8.59	Incomplete Integration	FQ4L	06/05/25 13:49

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Instrument ID: 19094

Analysis Batch Number: 653082

Lab Sample ID: 410-224440-11

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

Date Analyzed: 06/05/25 02:23

Lab File ID: HU04X47.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	5.79	Incomplete Integration	FQ4L	06/05/25 14:06
Trichloroethene	7.90	Incomplete Integration	FQ4L	06/05/25 14:06

Lab Sample ID: 410-224440-12

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

Date Analyzed: 06/05/25 02:44

Lab File ID: HU04X48.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	7.90	Incomplete Integration	FQ4L	06/05/25 14:07

Lab Sample ID: 410-224440-13

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

Date Analyzed: 06/05/25 05:50

Lab File ID: HU04X57.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2-Trichloroethane		Invalid Compound ID	FQ4L	06/06/25 09:23

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Instrument ID: 19930

Analysis Batch Number: 617959

Lab Sample ID: IC 410-617959/13

Client Sample ID:

Date Analyzed: 03/17/25 19:05

Lab File ID: IM17X12.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.07	Incomplete Integration	K4WN	03/18/25 08:15
Bromomethane	2.40	Incomplete Integration	K4WN	03/18/25 08:15
Trichlorofluoromethane	2.75	Incomplete Integration	K4WN	03/18/25 08:15
cis-1,2-Dichloroethene	5.78	Peak assignment corrected	K4WN	03/18/25 08:15
Trichloroethene	7.84	Incomplete Integration	K4WN	03/18/25 08:15

Lab Sample ID: IC 410-617959/14

Client Sample ID:

Date Analyzed: 03/17/25 19:25

Lab File ID: IM17X13.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Butanone (MEK)	5.84	Incomplete Integration	K4WN	03/18/25 08:17
Propionitrile	5.90	Incomplete Integration	K4WN	03/18/25 08:18
Dibromomethane	8.28	Peak assignment corrected	K4WN	03/18/25 08:16
1,4-Dioxane	8.29	Incomplete Integration	K4WN	03/18/25 08:19
Methyl methacrylate	8.33	Incomplete Integration	K4WN	03/18/25 08:19
Methyl acetate		Invalid Compound ID	K4WN	03/18/25 08:17
Styrene	11.49	Peak assignment corrected	K4WN	03/18/25 08:17
1,1,2,2-Tetrachloroethane	12.01	Peak assignment corrected	K4WN	03/18/25 08:17

Lab Sample ID: IC 410-617959/15

Client Sample ID:

Date Analyzed: 03/17/25 19:46

Lab File ID: IM17X14.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.71	Incomplete Integration	K4WN	03/18/25 08:20
Acrylonitrile	4.26	Incomplete Integration	K4WN	03/18/25 08:21

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Instrument ID: 19930

Analysis Batch Number: 617959

Lab Sample ID: IC 410-617959/16

Client Sample ID:

Date Analyzed: 03/17/25 20:07

Lab File ID: IM17X15.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.69	Incomplete Integration	K4WN	03/18/25 08:22

Lab Sample ID: IC 410-617959/17

Client Sample ID:

Date Analyzed: 03/17/25 20:28

Lab File ID: IM17X16.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.69	Incomplete Integration	K4WN	03/18/25 08:23

Lab Sample ID: IC 410-617959/18

Client Sample ID:

Date Analyzed: 03/17/25 20:49

Lab File ID: IM17X17.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.67	Incomplete Integration	K4WN	03/18/25 08:24
1,4-Dioxane	8.25	Incomplete Integration	K4WN	03/18/25 08:24

Lab Sample ID: ICIS 410-617959/19

Client Sample ID:

Date Analyzed: 03/17/25 21:10

Lab File ID: IM17X18.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.67	Incomplete Integration	K4WN	03/18/25 08:24
1,4-Dioxane	8.25	Incomplete Integration	K4WN	03/18/25 08:25

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Instrument ID: 19930

Analysis Batch Number: 617959

Lab Sample ID: IC 410-617959/20

Client Sample ID:

Date Analyzed: 03/17/25 21:31

Lab File ID: IM17X19.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.67	Incomplete Integration	K4WN	03/18/25 08:25
1,4-Dioxane	8.25	Incomplete Integration	K4WN	03/18/25 08:26

Lab Sample ID: ICV 410-617959/22

Client Sample ID:

Date Analyzed: 03/17/25 22:13

Lab File ID: IM17X21.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.68	Incomplete Integration	K4WN	03/18/25 09:32

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Instrument ID: 19930

Analysis Batch Number: 652669

Lab Sample ID: CCVIS 410-652669/3

Client Sample ID:

Date Analyzed: 06/04/25 13:42

Lab File ID: IU04X12.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.98	Incomplete Integration	N7YK	06/04/25 14:23
Methyl acetate	3.63	Incomplete Integration	N7YK	06/04/25 14:23

Lab Sample ID: 410-224440-6

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

Date Analyzed: 06/04/25 21:41

Lab File ID: IU04X34.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethane	4.87	Peak assignment corrected	FQ4L	06/05/25 13:18
Carbon tetrachloride	6.65	Peak assignment corrected	FQ4L	06/05/25 13:18
1,1,2-Trichloroethane		Invalid Compound ID	FQ4L	06/05/25 13:18

Lab Sample ID: 410-224440-2

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

Date Analyzed: 06/04/25 23:26

Lab File ID: IU04X39.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	5.75	Peak assignment corrected	FQ4L	06/05/25 13:22

Lab Sample ID: 410-224440-3

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

Date Analyzed: 06/04/25 23:47

Lab File ID: IU04X40.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	5.72	Peak assignment corrected	FQ4L	06/05/25 13:22

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Instrument ID: 19930

Analysis Batch Number: 652669

Lab Sample ID: 410-224440-4

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

Date Analyzed: 06/05/25 00:08

Lab File ID: IU04X41.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	5.73	Peak assignment corrected	FQ4L	06/05/25 13:23

Lab Sample ID: 410-224440-5

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

Date Analyzed: 06/05/25 00:29

Lab File ID: IU04X42.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	5.75	Peak assignment corrected	FQ4L	06/05/25 13:23

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_CCV_SIM_00073	03/24/25	03/17/25	Methanol, Lot EH822	10 mL	MSV_CCV_GASES_01047	100 uL	1,2-Dichloro-1,1,2-trifluoroethane	20 ug/mL
							Bromomethane	20 ug/mL
							Butadiene	20 ug/mL
							Chloroethane	20 ug/mL
							Chloromethane	20 ug/mL
							Dichlorodifluoromethane	20 ug/mL
							Dichlorofluoromethane	20 ug/mL
							Trichlorofluoromethane	20 ug/mL
					MSV_V_SIM_00049	100 uL	Vinyl chloride	20 ug/mL
							1,1-Dichloroethene	20 ug/mL
							cis-1,2-Dichloroethene	20 ug/mL
							Tetrachloroethene	20 ug/mL
							Trichloroethene	20 ug/mL
.MSV_CCV_GASES_01047	03/24/25	Restek, Lot A0212054			(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MSV_V_SIM_00049	04/10/25	Restek, Lot A0181588			(Purchased Reagent)		1,1-Dichloroethene	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Trichloroethene	2000 ug/mL
MSV_LCS_VOC#1_00213	04/16/25	03/17/25	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00259	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
					MSV_M_MIX2SEC_00256	1 mL	Trichloroethene	40 ug/mL
							Carbon disulfide	40 ug/mL
					MSV_Q_Ketones_00256	1 mL	Methyl tert-butyl ether	40 ug/mL
							2-Butanone (MEK)	500 ug/mL
							2-Hexanone	500 ug/mL
		4-Methyl-2-pentanone (MIBK)	500 ug/mL					
		Acetone	500 ug/mL					
.MSV_M_MIX1SEC_00259	05/31/27	Restek, Lot A0211284			(Purchased Reagent)		1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00256	05/31/27	Restek, Lot A0212017			(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00256	04/30/27	Restek, Lot A0209876			(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LCS_VOC#1_00214	04/23/25	03/24/25	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00261	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_00258	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00257	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_00261	05/31/27		Restek, Lot A0211284		(Purchased Reagent)	1,1,1,2-Tetrachloroethane	1000 ug/mL	
						1,1,1-Trichloroethane	1000 ug/mL	
						1,1,2,2-Tetrachloroethane	1000 ug/mL	
						1,1,2-Trichloroethane	1000 ug/mL	
						1,1-Dichloroethane	1000 ug/mL	
						1,1-Dichloroethene	1000 ug/mL	
						1,2-Dibromoethane (EDB)	1000 ug/mL	
						1,2-Dichloroethane	1000 ug/mL	
						1,2-Dichloropropane	1000 ug/mL	
						Benzene	1000 ug/mL	
						Bromochloromethane	1000 ug/mL	

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00258	05/31/27		Restek, Lot A0212017		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00257	04/30/27		Restek, Lot A0209876		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LCS_VOC#1_00222	07/02/25	06/02/25	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00271	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MSV_M_MIX2SEC_00276	1 mL	Carbon disulfide	40 ug/mL
					MSV_Q_Ketones_00277	1 mL	Methyl tert-butyl ether	40 ug/mL
							2-Butanone (MEK)	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone (MIBK)	500 ug/mL
Acetone	500 ug/mL							
.MSV_M_MIX1SEC_00271	12/31/27	Restek, Lot A0225025			(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_00276	05/31/28	Restek, Lot A0225702			(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00277	04/30/27	Restek, Lot A0209876			(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LL_#1_826_00162	04/16/25	03/17/25	Methanol, Lot EJ274	1 mL	MSV_CCV_VOC#1_00227	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane (EDB)	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							2-Nitropropane	250 ug/mL
							3-Chloro-1-propene	50 ug/mL
							Acrylonitrile	125 ug/mL
							Benzyl chloride	50 ug/mL
							Carbon disulfide	50 ug/mL
							Cyclohexane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	2500 ug/mL
							Isopropyl ether	50 ug/mL
							Methacrylonitrile	500 ug/mL
							Methyl acetate	50 ug/mL
							Methyl methacrylate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							n-Butanol	4375 ug/mL
							n-Heptane	50 ug/mL
							Propionitrile	1000 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
							Tetrahydrofuran	250 ug/mL
							trans-1,4-Dichloro-2-butene	500 ug/mL
					MSV_CCV_VOC#3_00228	200 uL	Acrolein	2439.54 ug/mL
					MSV_V_VOA2_00281	150 uL	2-Butanone (MEK)	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone (MIBK)	500 ug/mL
							Acetone	500 ug/mL
							1,4-Dioxane	2500 ug/mL
					MSV_MegaMIX#1_00224	1 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_00227	04/16/25	03/17/25	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00224	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
					MSV_MegaMix#2_00227	1 mL	Trichloroethene	1000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluor oethane	1000 ug/mL
							1,2,3-Trimethylbenzene	1000 ug/mL
							1,3,5-Trichlorobenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Nitropropane	5000 ug/mL
							3-Chloro-1-propene	1000 ug/mL
							Acrylonitrile	2500 ug/mL
							Benzyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Hexane	1000 ug/mL
							Iodomethane	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropyl ether	1000 ug/mL
							Methacrylonitrile	2500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl methacrylate	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
							n-Butanol	12500 ug/mL
							n-Heptane	1000 ug/mL
							Propionitrile	5000 ug/mL
							Tert-amyl methyl ether	1000 ug/mL
							Tert-butyl ethyl ether	1000 ug/mL
					Tetrahydrofuran	5000 ug/mL		
					trans-1,4-Dichloro-2-butene	2500 ug/mL		
..MSV_MegaMIX#1_00224	04/16/25	Restek, Lot A0211483			(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

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	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dibromoethane (EDB)	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m-Xylene & p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							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_00227	04/16/25		Restek, Lot A0212010		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	5000 ug/mL
							1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Nitropropane	25000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Acrylonitrile	12500 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Hexane	5000 ug/mL
							Iodomethane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
.MSV_CCV_VOC#3_00228	04/16/25	03/17/25	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00026	0.5 mL	Acrolein	12197.7 ug/mL
					MSV_V_Ketones_00218	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_00026	05/05/25	03/06/25	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00046	8.537 mL	Acrolein	121977 ug/mL
...MSV_VACR_STK_00046	05/05/25	03/06/25	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00039	1.538 g	Acrolein	142880 ug/mL
....MSV_ACROLEIN_00039	08/31/25		Chem Service, Lot 15807600		(Purchased Reagent)		Acrolein	0.929 g/g
..MSV_V_Ketones_00218	04/30/27		Restek, Lot A0210935		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.MSV_V_VOA2_00281	04/16/25	03/17/25	Methanol, Lot EH471	5 mL	MSV_V#2B_00417	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MSV_V#2B_00417	05/31/26	Restek, Lot A0211456			(Purchased Reagent)		1,4-Dioxane	62500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Methacrylonitrile	12500 ug/mL
							n-Butanol	125000 ug/mL
							Propionitrile	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
MSV_LL_#1_826_00163	04/30/25	03/31/25	Methanol, Lot EJ274	1 mL	MSV_CCV_VOC#1_00229	50 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane (EDB)	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m-Xylene & p-Xylene	100 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluor oethane	50 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							2-Nitropropane	250 ug/mL
							3-Chloro-1-propene	50 ug/mL
							Acrylonitrile	125 ug/mL
							Benzyl chloride	50 ug/mL
							Carbon disulfide	50 ug/mL
							Cyclohexane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	2500 ug/mL
							Isopropyl ether	50 ug/mL
							Methacrylonitrile	500 ug/mL
							Methyl acetate	50 ug/mL
							Methyl methacrylate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							n-Butanol	4375 ug/mL
							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_00230	200 uL	Acrolein	2439.54 ug/mL
							2-Butanone (MEK)	500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSV_V_VOA2_00283	150 uL	2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone (MIBK)	500 ug/mL
							Acetone	500 ug/mL
							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_00229	04/30/25	03/31/25	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00228	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,1-Dichloropropene	1000 ug/mL
							1,2,3-Trichlorobenzene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00225	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL
							1,2,3-Trimethylbenzene	1000 ug/mL
							1,3,5-Trichlorobenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Nitropropane	5000 ug/mL
							3-Chloro-1-propene	1000 ug/mL
							Acrylonitrile	2500 ug/mL
							Benzyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Hexane	1000 ug/mL
							Iodomethane	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropyl ether	1000 ug/mL
							Methacrylonitrile	2500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl methacrylate	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
							n-Butanol	12500 ug/mL
							n-Heptane	1000 ug/mL
							Propionitrile	5000 ug/mL
							Tert-amyl methyl ether	1000 ug/mL
							Tert-butyl ethyl ether	1000 ug/mL
							Tetrahydrofuran	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MSV_MegaMIX#1_00228	04/30/25		Restek, Lot A0211483		(Purchased Reagent)		trans-1,4-Dichloro-2-butene	2500 ug/mL
							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-Trichloropropene	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dibromoethane (EDB)	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m-Xylene & p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00225	04/30/25		Restek, Lot A0212010		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluor oethane	5000 ug/mL
							1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Nitropropane	25000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Acrylonitrile	12500 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Hexane	5000 ug/mL
							Iodomethane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
.MSV_CCV_VOC#3_00230	04/30/25	03/31/25	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00026	0.5 mL	Acrolein	12197.7 ug/mL
					MSV_V_Ketones_00221	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_00026	05/05/25	03/06/25	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00046	8.537 mL	Acrolein	121977 ug/mL
...MSV_VACR_STK_00046	05/05/25	03/06/25	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00039	1.538 g	Acrolein	142880 ug/mL
...MSV_ACROLEIN_00039	08/31/25		Chem Service, Lot 15807600		(Purchased Reagent)		Acrolein	0.929 g/g

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MSV_V_Ketones_00221	04/30/27	Restek, Lot A0210935			(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.MSV_V_VOA2_00283	04/30/25	03/31/25	Methanol, Lot EH471	5 mL	MSV_V#2B_00421	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_00421	05/31/26
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_00168	06/28/25	06/04/25	Methanol, Lot EJ274	1 mL	MSV_CCV_VOC#1_00238	50 uL		
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dibromoethane (EDB)	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Methylene Chloride	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Carbon disulfide	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSV_CCV_VOC#3_00239	200 uL	Methyl tert-butyl ether	50 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_CCV_VOC#1_00238	07/02/25	06/02/25	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00234	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00232	1 mL	Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
..MSV_MegaMIX#1_00234	07/02/25		Restek, Lot A0211483		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,2-Dibromoethane (EDB)	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							Benzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00232	07/02/25		Restek, Lot A0212010		(Purchased Reagent)		Carbon disulfide	5000 ug/mL
..MSV_CCv_VOC#3_00239	06/28/25	06/02/25	Methanol, Lot EH471	5 mL	MSV_V_Ketones_00230	1 mL	Methyl tert-butyl ether	5000 ug/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_00230	04/30/27		Restek, Lot A0210935		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LL_#2_826_00172	03/26/25	03/17/25	Methanol, Lot EJ274	1 mL	CCV_ETBR_00008	50 uL	Ethyl bromide	50.0802 ug/mL
					MSV_BCE_00083	25 uL	1-Bromo-2-chloroethane	50 ug/mL
					MSV_CCv_EE_00008	50 uL	Ethyl ether	49.9966 ug/mL
					MSV_V_PentaCL_00055	10 uL	Pentachloroethane	50 ug/mL
..CCV_ETBR_00008	05/06/25	11/06/24	Methanol, Lot EH471	10 mL	MSV_VETBR_STK_00017	0.191 mL	Ethyl bromide	1001.6 ug/mL
..MSV_VETBR_STK_00017	05/06/25	11/06/24	Methanol, Lot EH471	10 mL	MSV_EtBr_00010	0.5244 g	Ethyl bromide	52440 ug/mL
...MSV_EtBr_00010	06/30/25		Chem Service, Lot 13345600		(Purchased Reagent)		Ethyl bromide	1 g/g
..MSV_BCE_00083	04/02/25		Restek, Lot A0201612		(Purchased Reagent)		1-Bromo-2-chloroethane	2000 ug/mL
..MSV_CCv_EE_00008	05/06/25	11/06/24	Methanol, Lot EH471	50 mL	MSV_EE_MISCSK_00015	1.115 mL	Ethyl ether	999.932 ug/mL
..MSV_EE_MISCSK_00015	05/06/25	11/06/24	Methanol, Lot EH471	10 mL	MSV_EE_Neat_00012	0.4484 g	Ethyl ether	44840 ug/mL
...MSV_EE_Neat_00012	06/30/27		Chem Service, Lot 14084700		(Purchased Reagent)		Ethyl ether	1 g/g
..MSV_V_PentaCL_00055	03/26/25		Restek, Lot A0197490		(Purchased Reagent)		Pentachloroethane	5000 ug/mL
MSV_LL_#2_826_00174	04/25/25	03/31/25	Methanol, Lot EJ274	1 mL	CCV_ETBR_00008	50 uL	Ethyl bromide	50.0802 ug/mL
					MSV_BCE_00079	25 uL	1-Bromo-2-chloroethane	50 ug/mL
					MSV_CCv_EE_00008	50 uL	Ethyl ether	49.9966 ug/mL
					MSV_V_PentaCL_00057	10 uL	Pentachloroethane	50 ug/mL
..CCV_ETBR_00008	05/06/25	11/06/24	Methanol, Lot EH471	10 mL	MSV_VETBR_STK_00017	0.191 mL	Ethyl bromide	1001.6 ug/mL
..MSV_VETBR_STK_00017	05/06/25	11/06/24	Methanol, Lot EH471	10 mL	MSV_EtBr_00010	0.5244 g	Ethyl bromide	52440 ug/mL
...MSV_EtBr_00010	06/30/25		Chem Service, Lot 13345600		(Purchased Reagent)		Ethyl bromide	1 g/g
..MSV_BCE_00079	04/30/25		Restek, Lot A0201612		(Purchased Reagent)		1-Bromo-2-chloroethane	2000 ug/mL
..MSV_CCv_EE_00008	05/06/25	11/06/24	Methanol, Lot EH471	50 mL	MSV_EE_MISCSK_00015	1.115 mL	Ethyl ether	999.932 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MSV_EE_MISCSK_00015	05/06/25	11/06/24	Methanol, Lot EH471	10 mL	MSV_EE_Neat_00012	0.4484 g	Ethyl ether	44840 ug/mL
...MSV_EE_Neat_00012	06/30/27		Chem Service, Lot 14084700		(Purchased Reagent)		Ethyl ether	1 g/g
.MSV_V_PentaCL_00057	04/25/25		Restek, Lot A0197490		(Purchased Reagent)		Pentachloroethane	5000 ug/mL
MSV_LL_GAS826_00262	03/24/25	03/17/25	Methanol, Lot EJ274	1 mL	MSV_CCV_GASES_01047	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
.MSV_CCV_GASES_01047	03/24/25		Restek, Lot A0212054		(Purchased Reagent)		Vinyl chloride	50 ug/mL
							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
MSV_LL_GAS826_00264	04/07/25	03/31/25	Methanol, Lot EJ274	1 mL	MSV_CCV_GASES_00998	25 uL	Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
							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
.MSV_CCV_GASES_00998	04/07/25		Restek, Lot A0212054		(Purchased Reagent)		Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							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
MSV_LL_GAS826_00274	06/11/25	06/04/25	Methanol, Lot EJ274	1 mL	MSV_CCV_GASES_01016	25 uL	Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
							Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl chloride	50 ug/mL
.MSV_CCV_GASES_01016	06/11/25	Restek, Lot A0212054			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LLcentISS_00016	09/12/25	03/12/25	Methanol, Lot EJ274	50 mL	MSV_8260_SS_01410	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_00674	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_01410	09/30/29	Restek, Lot A0216253			(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_00674	10/31/26	Restek, Lot A0203141			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_LLcentISS_00017	11/22/25	05/22/25	Methanol, Lot EJ274	50 mL	MSV_Cus826_IS_00739	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_00739	10/31/26	Restek, Lot A0203141			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_LLcentISS_00017	11/22/25	05/22/25	Methanol, Lot EJ274	50 mL	MSV_8260_SS_01455	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.MSV_8260_SS_01455	10/31/29	Restek, Lot A0217887			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
MSV_QC_Gas826_00250	03/24/25	03/17/25	Methanol, Lot EJ274	1 mL	MSV_QC_2K_GAS_00290	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00290	03/24/25	Restek, Lot A0211460			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_QC_Gas826_00252	04/07/25	03/31/25	Methanol, Lot EJ274	1 mL	MSV_QC_2K_GAS_00296	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00296	04/07/25	Restek, Lot A0211460			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_QC_Gas826_00263	06/09/25	06/03/25	Methanol, Lot EJ274	1 mL	MSV_QC_2K_GAS_00303	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00303	06/09/25	Restek, Lot A0211460			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_V_BFB_00018							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Xylenes, Total	
.MSV_VBFB_STK_00013	05/31/25	12/02/24	Methanol, Lot EH471	10 mL	MSV_VBFB_STK_00013	0.09 mL	BFB	50.076 ug/mL
..MSV_4BFB_NEAT_00012	05/31/25	Chem Service, Lot 15267000			MSV_4BFB_NEAT_00012	1.391 g	BFB	139100 ug/mL
					(Purchased Reagent)		BFB	1 g/g
MSV_V_BFB_00019							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Xylenes, Total	
.MSV_VBFB_STK_00014	11/22/25	05/22/25	Methanol, Lot EH471	10 mL	MSV_VBFB_STK_00014	0.246 mL	BFB	49.9183 ug/mL
..MSV_4BFB_NEAT_00013	06/30/29	Chem Service, Lot 16054300			MSV_4BFB_NEAT_00013	0.5073 g	BFB	50730 ug/mL
					(Purchased Reagent)		BFB	1 g/g

Reagent

MSV_8260_SS_01410



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

Catalog No. : 30240 **Lot No.:** A0216253

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

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

Expiration Date : September 30, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,509.0 µg/mL	+/- 140.9447
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,506.3 µg/mL	+/- 140.7903
3	Toluene-d8	2037-26-5	PR-34141	99%	2,514.3 µg/mL	+/- 141.2397
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000268853	99%	2,510.5 µg/mL	+/- 141.0290

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

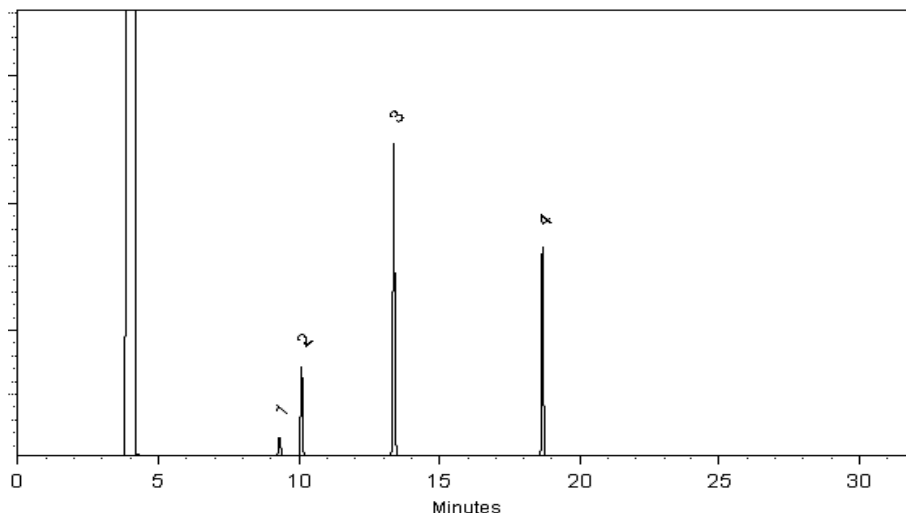
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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

Scott McNeil - Operations Tech I

Date Mixed: 09-Sep-2024

Balance Serial # 1127510105

Brittany Federinko - Operations Tech I

Date Passed: 12-Sep-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_8260_SS_01455



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 30240 **Lot No.:** A0217887

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

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

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,515.3 µg/mL	+/- 141.2958
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,504.3 µg/mL	+/- 140.6779
3	Toluene-d8	2037-26-5	PR-34141	99%	2,513.8 µg/mL	+/- 141.2116
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000268853	99%	2,517.3 µg/mL	+/- 141.4082

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

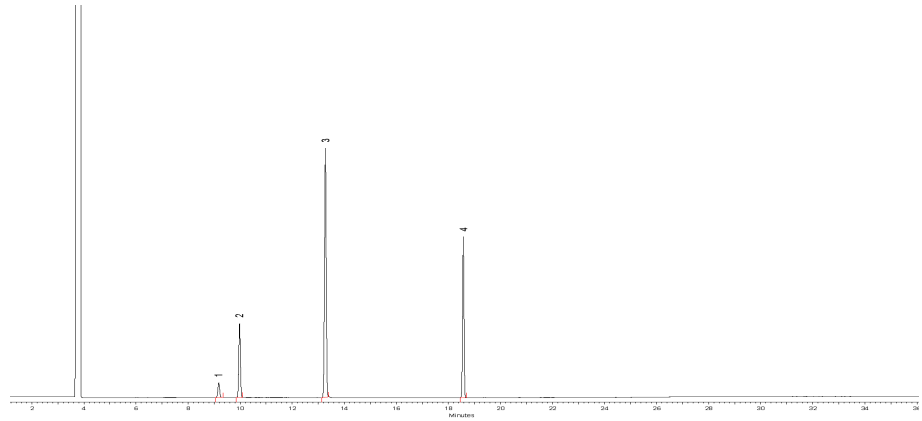
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

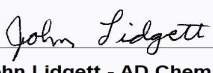


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Richard Zimmerman - Operations Tech I

Date Mixed: 15-Oct-2024

Balance Serial # B251644995


John Lidgett - AD Chemist

Date Passed: 23-Oct-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_BCE_00079



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : 1-Bromo-2-chloroethane Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

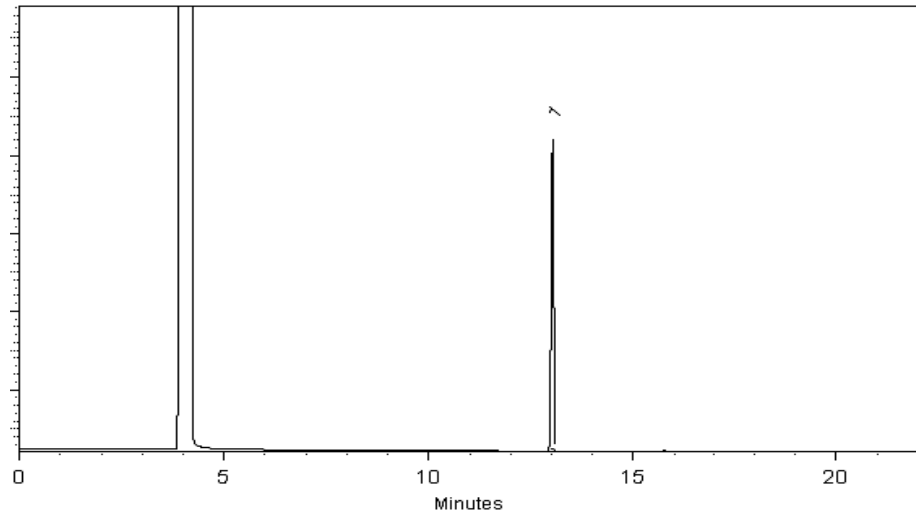
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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

Morgan Craighead - Mix Technician

Date Mixed: 31-Aug-2023

Balance Serial # 1128342314

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Sep-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_BCE_00083



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

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

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

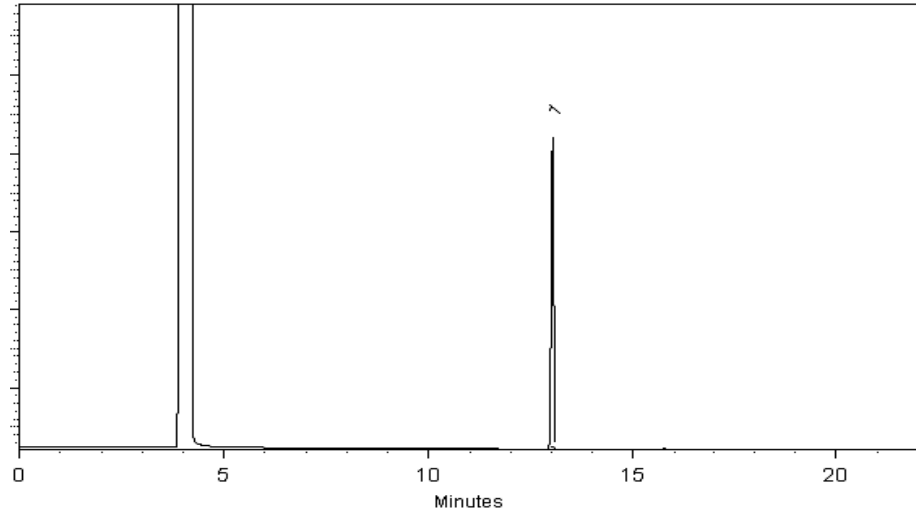
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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

Morgan Craighead - Mix Technician

Date Mixed: 31-Aug-2023

Balance Serial # 1128342314

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Sep-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_CCV_GASES_00998



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577488 **Lot No.:** A0212054

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

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,016.7 µg/mL	+/- 114.0219
2	Chloromethane (methyl chloride)	74-87-3	SHBP8835	99%	2,015.3 µg/mL	+/- 115.0747
3	Vinyl chloride	75-01-4	00015559	99%	2,015.3 µg/mL	+/- 115.4962
4	1,3-Butadiene	106-99-0	00019375	99%	2,020.7 µg/mL	+/- 114.1301
5	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,025.3 µg/mL	+/- 114.3368
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,023.4 µg/mL	+/- 114.7120
7	Dichlorofluoromethane (CFC-21)	75-43-4	14485600	90%	2,019.6 µg/mL	+/- 113.4524
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,020.0 µg/mL	+/- 113.4748
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4	877500	99%	2,021.2 µg/mL	+/- 114.0989

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

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

Tech Tips:

Raw material may contain trace amounts of tert-Butanol.

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

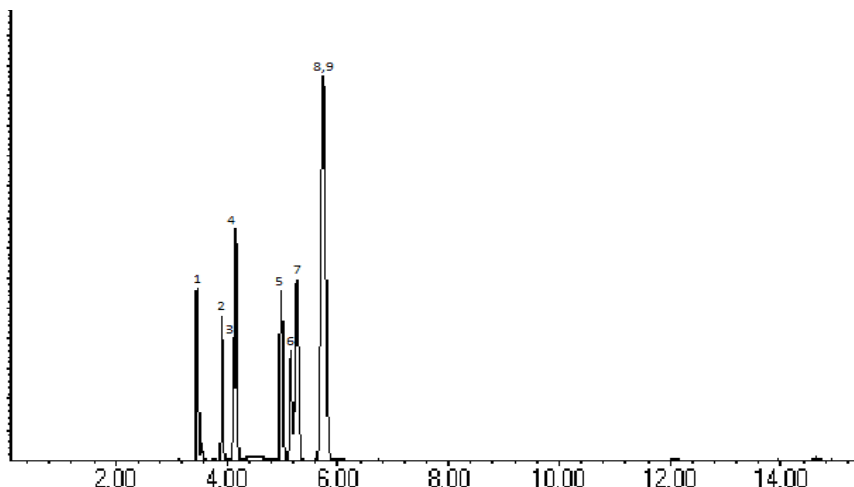
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



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

Brittany Federinko - Operations Tech I

Date Mixed: 28-May-2024

Balance Serial # B251644995

Dillan Murphy - Operations Technician I

Date Passed: 03-Jun-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_CCV_GASES_01016



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Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577488 **Lot No.:** A0212054

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

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,016.7 µg/mL	+/- 114.0219
2	Chloromethane (methyl chloride)	74-87-3	SHBP8835	99%	2,015.3 µg/mL	+/- 115.0747
3	Vinyl chloride	75-01-4	00015559	99%	2,015.3 µg/mL	+/- 115.4962
4	1,3-Butadiene	106-99-0	00019375	99%	2,020.7 µg/mL	+/- 114.1301
5	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,025.3 µg/mL	+/- 114.3368
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,023.4 µg/mL	+/- 114.7120
7	Dichlorofluoromethane (CFC-21)	75-43-4	14485600	90%	2,019.6 µg/mL	+/- 113.4524
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,020.0 µg/mL	+/- 113.4748
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4	877500	99%	2,021.2 µg/mL	+/- 114.0989

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

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

Tech Tips:

Raw material may contain trace amounts of tert-Butanol.

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

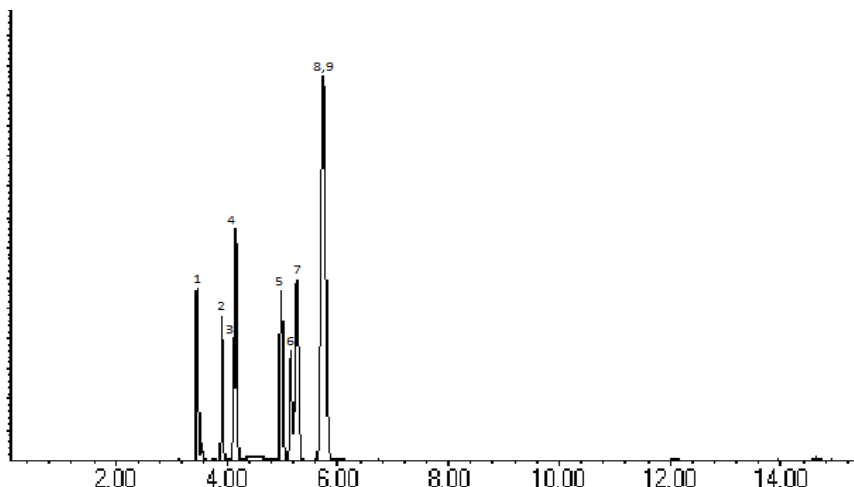
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



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

Brittany Federinko - Operations Tech I

Date Mixed: 28-May-2024

Balance Serial # B251644995

Dillan Murphy - Operations Technician I

Date Passed: 03-Jun-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_CCV_GASES_01047



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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577488 **Lot No.:** A0212054

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

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,016.7 µg/mL	+/- 114.0219
2	Chloromethane (methyl chloride)	74-87-3	SHBP8835	99%	2,015.3 µg/mL	+/- 115.0747
3	Vinyl chloride	75-01-4	00015559	99%	2,015.3 µg/mL	+/- 115.4962
4	1,3-Butadiene	106-99-0	00019375	99%	2,020.7 µg/mL	+/- 114.1301
5	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,025.3 µg/mL	+/- 114.3368
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,023.4 µg/mL	+/- 114.7120
7	Dichlorofluoromethane (CFC-21)	75-43-4	14485600	90%	2,019.6 µg/mL	+/- 113.4524
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,020.0 µg/mL	+/- 113.4748
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4	877500	99%	2,021.2 µg/mL	+/- 114.0989

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

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

Tech Tips:

Raw material may contain trace amounts of tert-Butanol.

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

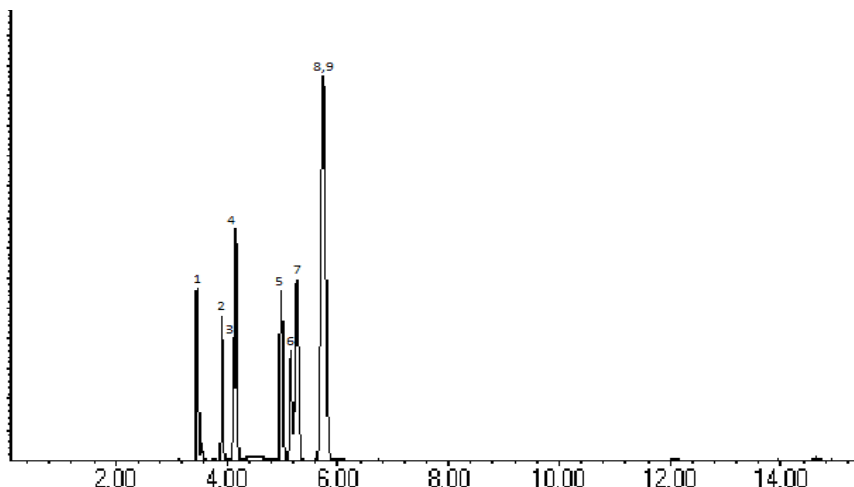
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



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

Brittany Federinko - Operations Tech I

Date Mixed: 28-May-2024

Balance Serial # B251644995

Dillan Murphy - Operations Technician I

Date Passed: 03-Jun-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_Cus826_IS_00674



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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 558267 **Lot No.:** A0203141
Description : Custom 8260A IS Mix
Custom 8260A IS Mix 2,500-12,500µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : October 31, 2026 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

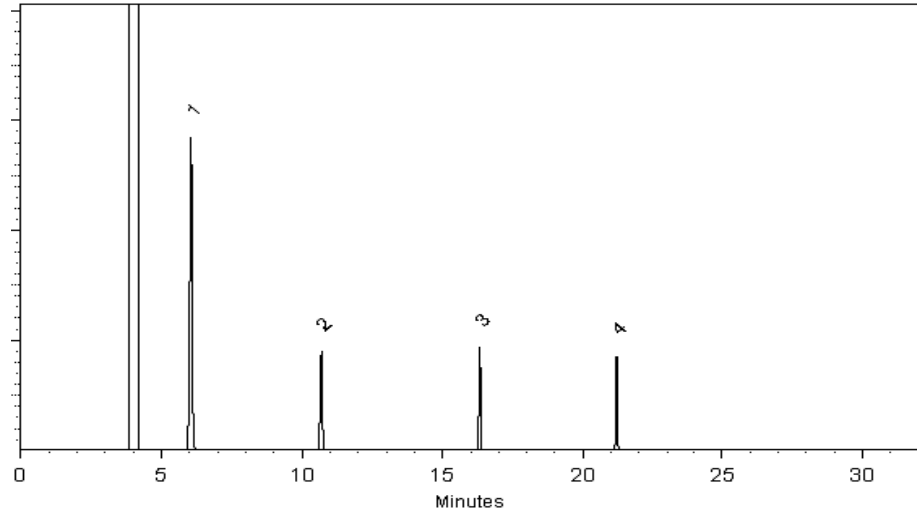
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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


Laith Clemente - Operations Technician I

Date Mixed: 13-Oct-2023

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Oct-2023

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

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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Reagent

MSV_Cus826_IS_00739



110 Benner Circle
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CERTIFIED REFERENCE MATERIAL

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chromatographic plus



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

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

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

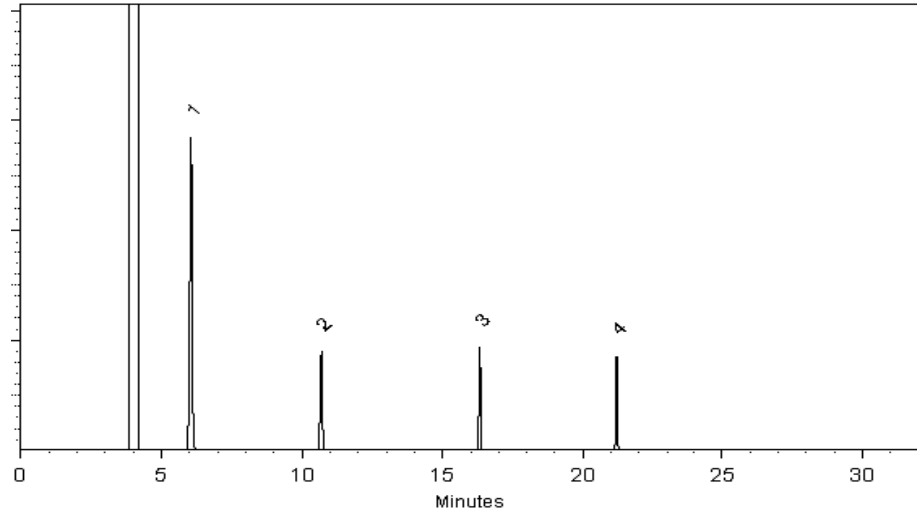
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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


Laith Clemente - Operations Technician I

Date Mixed: 13-Oct-2023

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Oct-2023

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

General Certified Reference Material Notes

Expiration Notes:

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Certified Uncertainty Value Notes:

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_EE_Neat_00012

CERTIFICATE OF ANALYSIS

Ethyl ether

CATALOG NUMBER	N-11897-1G
LOT NUMBER	14084700
DATE CERTIFIED	06/08/22
EXPIRATION DATE	06/30/27
CAS NUMBER	60-29-7
MOLECULAR FORMULA	C ₄ H ₁₀ O
MOLECULAR WEIGHT	74.12
STORAGE	Refrigerator storage (2 - 8 °C)
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

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

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

Certified By:



Kristin R Jones

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



COA Form
Revision 3 (3/2015)

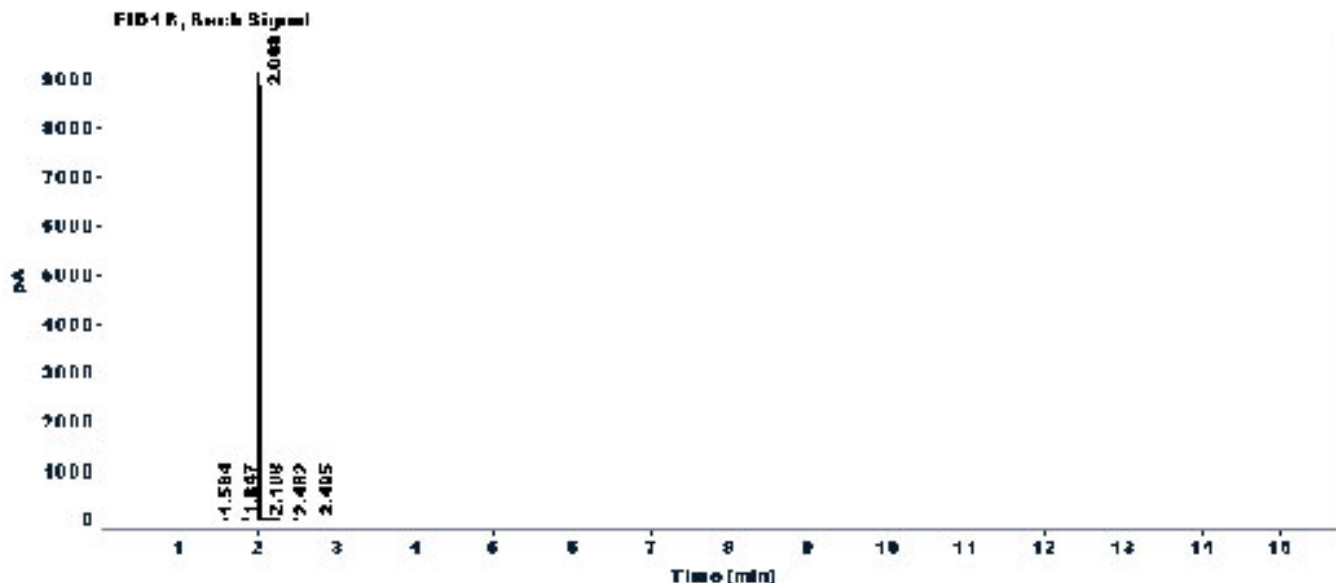
Print Date: 02/02/23

CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2022 DATA\0622\ethyl ether.D
 Sample name: Ethyl ether
 Acq. method: FRANNY-BACK.M
 Instrument: GC3
 Injection date: 6/8/2022 12:35:47 PM
 Column name: RTX-5MS (30m x 0.25mm x 0.5µm)

Location: 205
 Injection Vol: 0.100
 # Of Injections: 1



Signal: FID1 B, Back Signal

RT [min]	Type	Width [min]	Area	Height	Area%
1.584	BB	0.0118	2.2881	3.0236	0.0324
1.847	BB	0.0128	3.4389	4.5659	0.0487
2.008	VB S	0.0123	7054.1309	8866.6377	99.8684
2.108	BB T	0.0124	0.6178	0.7662	0.0087
2.462	BV	0.0173	1.5205	1.4371	0.0215
2.495	VB	0.0170	1.4321	1.3951	0.0203
Sum			7063.4283		

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



Reagent

MSV_EtBr_00010

CERTIFICATE OF ANALYSIS

Ethyl bromide

CATALOG NUMBER	N-11888-1G
LOT NUMBER	13345600
DATE CERTIFIED	06/15/22
EXPIRATION DATE	06/30/25
CAS NUMBER	74-96-4
MOLECULAR FORMULA	C ₂ H ₅ Br
MOLECULAR WEIGHT	108.97
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

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

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

Certified By:

Mary Beth O'Donnell

Mary Beth O'Donnell
CSM/TC

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



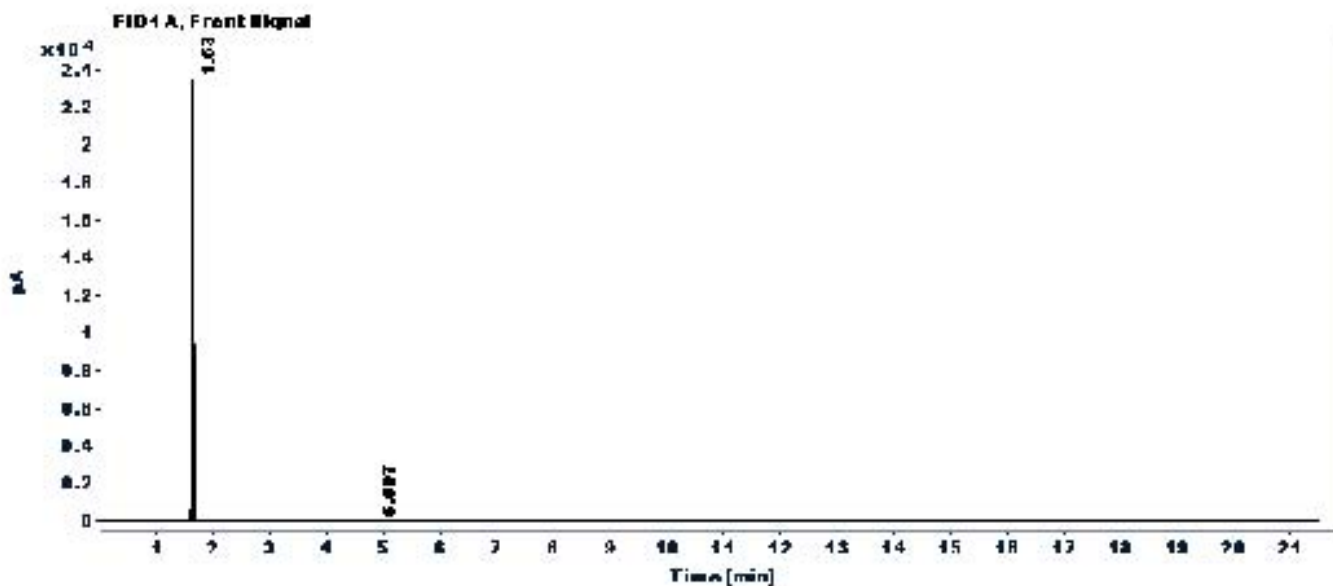
COA Form
Revision 3 (3/2015)

Print Date: 06/17/22

CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\Chem32\1\Data\2022 Data\0622\ethyl bromide.D
Sample name: Ethyl bromide
Acq. method: FRONT MIX.M
Instrument: GC3 **Location:** 103
Injection date: 6/15/2022 2:26:35 PM **Injection Vol:** 0.200
Column name: Rxi-624Sil MS(30m x 0.32mm ID, 1.8um) **# Of Injections:** 1



Signal: FID1 A, Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
1.630	BB S	0.0235	34777.1563	23544.8711	99.8457
5.097	VV R	0.0334	53.7284	24.9837	0.1543
Sum			34830.8846		

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



Reagent

MSV_MegaMIX#1_00224



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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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

Catalog No. : 577486 **Lot No.:** A0211483

Description : Custom VOC MegaMix® #1 Standard

Custom VOC MegaMix® #1 Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,1-dichloroethene	75-35-4	SHBG8609V	99%	5,038.8 µg/mL	+/- 283.8004
2	Methylene chloride (dichloromethane)	75-09-2	231383	99%	5,013.9 µg/mL	+/- 282.3994
3	trans-1,2-Dichloroethene	156-60-5	MKCP9516	99%	5,020.8 µg/mL	+/- 282.7901
4	1,1-Dichloroethane	75-34-3	852900	99%	5,007.1 µg/mL	+/- 282.0157
5	2,2-Dichloropropane	594-20-7	RP231114CTH	99%	5,045.8 µg/mL	+/- 284.2162
6	cis-1,2-Dichloroethene	156-59-2	MKCP7830	99%	5,049.3 µg/mL	+/- 284.4180
7	chloroform	67-66-3	SHBN8469	99%	5,032.5 µg/mL	+/- 283.4484
8	Bromochloromethane	74-97-5	S231117RSR	99%	5,043.2 µg/mL	+/- 284.0707
9	1,1,1-trichloroethane	71-55-6	RD230728RSR	99%	5,043.7 µg/mL	+/- 284.0785
10	1,1-Dichloropropene	563-58-6	S240215ECS	99%	5,045.2 µg/mL	+/- 284.1833
11	carbon tetrachloride	56-23-5	SHBP4875	99%	5,042.8 µg/mL	+/- 284.0292
12	1,2-Dichloroethane	107-06-2	SHBQ5408	99%	5,007.8 µg/mL	+/- 282.0579
13	Benzene	71-43-2	MKCS3357	99%	5,011.2 µg/mL	+/- 282.2682
14	Trichloroethene	79-01-6	SHBQ6161	99%	5,019.9 µg/mL	+/- 282.7408
15	1,2-Dichloropropane	78-87-5	BCBR0882V	99%	5,041.1 µg/mL	+/- 283.9307
16	bromodichloromethane	75-27-4	MKCF8470	99%	5,014.1 µg/mL	+/- 282.4134

17	Dibromomethane	74-95-3	107151T06C	99%	5,019.6	µg/mL	+/-	282.7423
18	cis-1,3-Dichloropropene	10061-01-5	RP231025CTH	99%	5,036.1	µg/mL	+/-	283.6490
19	Toluene	108-88-3	MKCS9989	99%	5,027.9	µg/mL	+/-	283.2117
20	trans-1,3-Dichloropropene	10061-02-6	RP231025CTH-1	98%	5,002.6	µg/mL	+/-	281.7640
21	1,1,2-Trichloroethane	79-00-5	FGB01	99%	5,010.4	µg/mL	+/-	282.2022
22	1,3-Dichloropropane	142-28-9	BCCH5357	99%	5,043.1	µg/mL	+/-	284.0660
23	Tetrachloroethene	127-18-4	SHBQ0051	99%	5,014.8	µg/mL	+/-	282.4522
24	dibromochloromethane	124-48-1	MKCT4871	99%	5,042.3	µg/mL	+/-	283.9976
25	1,2-Dibromoethane (EDB)	106-93-4	BCCH7113	99%	5,041.7	µg/mL	+/-	283.9862
26	Chlorobenzene	108-90-7	SHBN6640	99%	5,013.3	µg/mL	+/-	282.3642
27	1,1,1,2-Tetrachloroethane	630-20-6	TMW GK	99%	5,025.2	µg/mL	+/-	283.0568
28	Ethylbenzene	100-41-4	094632T20F	99%	5,042.0	µg/mL	+/-	284.0050
29	m-Xylene	108-38-3	SHBN6673	99%	5,042.2	µg/mL	+/-	284.0143
30	p-Xylene	106-42-3	SHBP5191	99%	5,038.1	µg/mL	+/-	283.7843
31	o-Xylene	95-47-6	50069309	99%	5,047.2	µg/mL	+/-	284.2960
32	Styrene	100-42-5	MKCQ3390	99%	5,038.9	µg/mL	+/-	283.8313
33	Isopropylbenzene (cumene)	98-82-8	Z20D022	99%	5,022.8	µg/mL	+/-	282.9253
34	bromoform	75-25-2	050494L04R	99%	5,036.9	µg/mL	+/-	283.6948
35	1,1,2,2-Tetrachloroethane	79-34-5	QQJ4I	99%	5,032.5	µg/mL	+/-	283.4484
36	1,2,3-Trichloropropane	96-18-4	Q91-34	98%	5,042.7	µg/mL	+/-	284.0428
37	n-Propylbenzene	103-65-1	095067T18C	99%	5,028.8	µg/mL	+/-	283.2586
38	Bromobenzene	108-86-1	MKCQ7174	99%	5,026.8	µg/mL	+/-	283.1460
39	1,3,5-Trimethylbenzene	108-67-8	BCCH6852	99%	5,023.1	µg/mL	+/-	282.9394
40	2-Chlorotoluene	95-49-8	235783M23T	99%	5,028.7	µg/mL	+/-	283.2539
41	4-Chlorotoluene	106-43-4	BCCG9286	99%	5,043.9	µg/mL	+/-	284.1129
42	tert-Butylbenzene	98-06-6	STBJ1937	99%	5,047.3	µg/mL	+/-	284.3054
43	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	5,046.3	µg/mL	+/-	284.2490
44	sec-Butylbenzene	135-98-8	MKCP2266	99%	5,044.3	µg/mL	+/-	284.1364
45	p-Isopropyltoluene (p-Cymene)	99-87-6	MKCS1827	99%	5,035.8	µg/mL	+/-	283.6576
46	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	5,034.6	µg/mL	+/-	283.5646
47	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	5,015.5	µg/mL	+/-	282.4909
48	n-Butylbenzene	104-51-8	09418JJ	99%	5,034.7	µg/mL	+/-	283.5919
49	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	5,012.9	µg/mL	+/-	282.3466
50	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	5,029.4	µg/mL	+/-	283.2935
51	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	5,042.1	µg/mL	+/-	284.0096
52	Hexachlorobutadiene	87-68-3	X05J	99%	5,023.4	µg/mL	+/-	282.9582

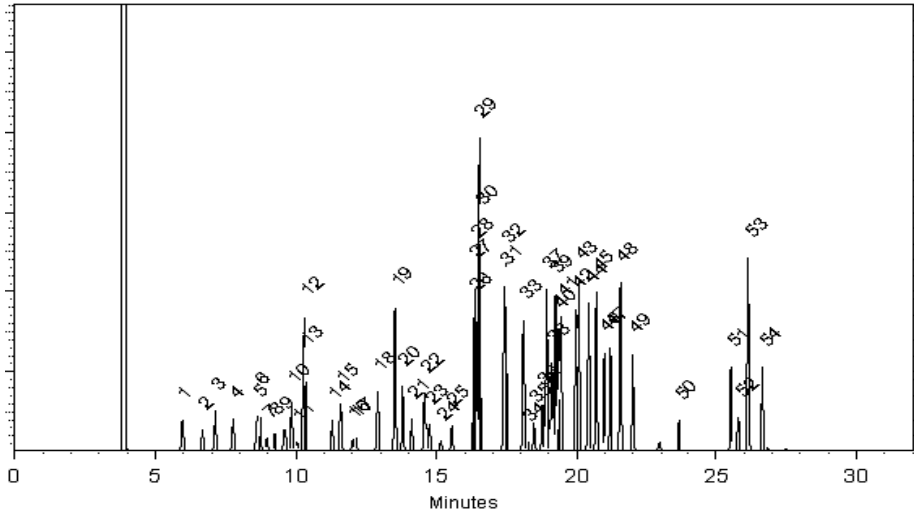
53	Naphthalene	91-20-3	STBL1057	99%	5,008.3	µg/mL	+/- 282.1039
54	1,2,3-Trichlorobenzene	87-61-6	MKBX7627V	99%	5,037.8	µg/mL	+/- 283.7656

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

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

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)
Carrier Gas:
hydrogen-constant pressure 11.0 psi.
Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)
Inj. Temp:
200°C
Det. Temp:
250°C
Det. Type:
FID
Split Vent:
40 ml/min
Inj. Vol
0.2µl



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

Russ Bookhamer
Russ Bookhamer - Operations Technician I

Date Mixed: 15-May-2024 **Balance Serial #** B442140311

Jennifer J. Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 17-May-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMIX#1_00228



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577486 **Lot No.:** A0211483

Description : Custom VOC MegaMix® #1 Standard

Custom VOC MegaMix® #1 Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,1-dichloroethene	75-35-4	SHBG8609V	99%	5,038.8 µg/mL	+/- 283.8004
2	Methylene chloride (dichloromethane)	75-09-2	231383	99%	5,013.9 µg/mL	+/- 282.3994
3	trans-1,2-Dichloroethene	156-60-5	MKCP9516	99%	5,020.8 µg/mL	+/- 282.7901
4	1,1-Dichloroethane	75-34-3	852900	99%	5,007.1 µg/mL	+/- 282.0157
5	2,2-Dichloropropane	594-20-7	RP231114CTH	99%	5,045.8 µg/mL	+/- 284.2162
6	cis-1,2-Dichloroethene	156-59-2	MKCP7830	99%	5,049.3 µg/mL	+/- 284.4180
7	chloroform	67-66-3	SHBN8469	99%	5,032.5 µg/mL	+/- 283.4484
8	Bromochloromethane	74-97-5	S231117RSR	99%	5,043.2 µg/mL	+/- 284.0707
9	1,1,1-trichloroethane	71-55-6	RD230728RSR	99%	5,043.7 µg/mL	+/- 284.0785
10	1,1-Dichloropropene	563-58-6	S240215ECS	99%	5,045.2 µg/mL	+/- 284.1833
11	carbon tetrachloride	56-23-5	SHBP4875	99%	5,042.8 µg/mL	+/- 284.0292
12	1,2-Dichloroethane	107-06-2	SHBQ5408	99%	5,007.8 µg/mL	+/- 282.0579
13	Benzene	71-43-2	MKCS3357	99%	5,011.2 µg/mL	+/- 282.2682
14	Trichloroethene	79-01-6	SHBQ6161	99%	5,019.9 µg/mL	+/- 282.7408
15	1,2-Dichloropropane	78-87-5	BCBR0882V	99%	5,041.1 µg/mL	+/- 283.9307
16	bromodichloromethane	75-27-4	MKCF8470	99%	5,014.1 µg/mL	+/- 282.4134

17	Dibromomethane	74-95-3	107151T06C	99%	5,019.6	µg/mL	+/-	282.7423
18	cis-1,3-Dichloropropene	10061-01-5	RP231025CTH	99%	5,036.1	µg/mL	+/-	283.6490
19	Toluene	108-88-3	MKCS9989	99%	5,027.9	µg/mL	+/-	283.2117
20	trans-1,3-Dichloropropene	10061-02-6	RP231025CTH-1	98%	5,002.6	µg/mL	+/-	281.7640
21	1,1,2-Trichloroethane	79-00-5	FGB01	99%	5,010.4	µg/mL	+/-	282.2022
22	1,3-Dichloropropane	142-28-9	BCCH5357	99%	5,043.1	µg/mL	+/-	284.0660
23	Tetrachloroethene	127-18-4	SHBQ0051	99%	5,014.8	µg/mL	+/-	282.4522
24	dibromochloromethane	124-48-1	MKCT4871	99%	5,042.3	µg/mL	+/-	283.9976
25	1,2-Dibromoethane (EDB)	106-93-4	BCCH7113	99%	5,041.7	µg/mL	+/-	283.9862
26	Chlorobenzene	108-90-7	SHBN6640	99%	5,013.3	µg/mL	+/-	282.3642
27	1,1,1,2-Tetrachloroethane	630-20-6	TMWGK	99%	5,025.2	µg/mL	+/-	283.0568
28	Ethylbenzene	100-41-4	094632T20F	99%	5,042.0	µg/mL	+/-	284.0050
29	m-Xylene	108-38-3	SHBN6673	99%	5,042.2	µg/mL	+/-	284.0143
30	p-Xylene	106-42-3	SHBP5191	99%	5,038.1	µg/mL	+/-	283.7843
31	o-Xylene	95-47-6	50069309	99%	5,047.2	µg/mL	+/-	284.2960
32	Styrene	100-42-5	MKCQ3390	99%	5,038.9	µg/mL	+/-	283.8313
33	Isopropylbenzene (cumene)	98-82-8	Z20D022	99%	5,022.8	µg/mL	+/-	282.9253
34	bromoform	75-25-2	050494L04R	99%	5,036.9	µg/mL	+/-	283.6948
35	1,1,2,2-Tetrachloroethane	79-34-5	QQJ4I	99%	5,032.5	µg/mL	+/-	283.4484
36	1,2,3-Trichloropropane	96-18-4	Q91-34	98%	5,042.7	µg/mL	+/-	284.0428
37	n-Propylbenzene	103-65-1	095067T18C	99%	5,028.8	µg/mL	+/-	283.2586
38	Bromobenzene	108-86-1	MKCQ7174	99%	5,026.8	µg/mL	+/-	283.1460
39	1,3,5-Trimethylbenzene	108-67-8	BCCH6852	99%	5,023.1	µg/mL	+/-	282.9394
40	2-Chlorotoluene	95-49-8	235783M23T	99%	5,028.7	µg/mL	+/-	283.2539
41	4-Chlorotoluene	106-43-4	BCCG9286	99%	5,043.9	µg/mL	+/-	284.1129
42	tert-Butylbenzene	98-06-6	STBJ1937	99%	5,047.3	µg/mL	+/-	284.3054
43	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	5,046.3	µg/mL	+/-	284.2490
44	sec-Butylbenzene	135-98-8	MKCP2266	99%	5,044.3	µg/mL	+/-	284.1364
45	p-Isopropyltoluene (p-Cymene)	99-87-6	MKCS1827	99%	5,035.8	µg/mL	+/-	283.6576
46	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	5,034.6	µg/mL	+/-	283.5646
47	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	5,015.5	µg/mL	+/-	282.4909
48	n-Butylbenzene	104-51-8	09418JJ	99%	5,034.7	µg/mL	+/-	283.5919
49	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	5,012.9	µg/mL	+/-	282.3466
50	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	5,029.4	µg/mL	+/-	283.2935
51	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	5,042.1	µg/mL	+/-	284.0096
52	Hexachlorobutadiene	87-68-3	X05J	99%	5,023.4	µg/mL	+/-	282.9582

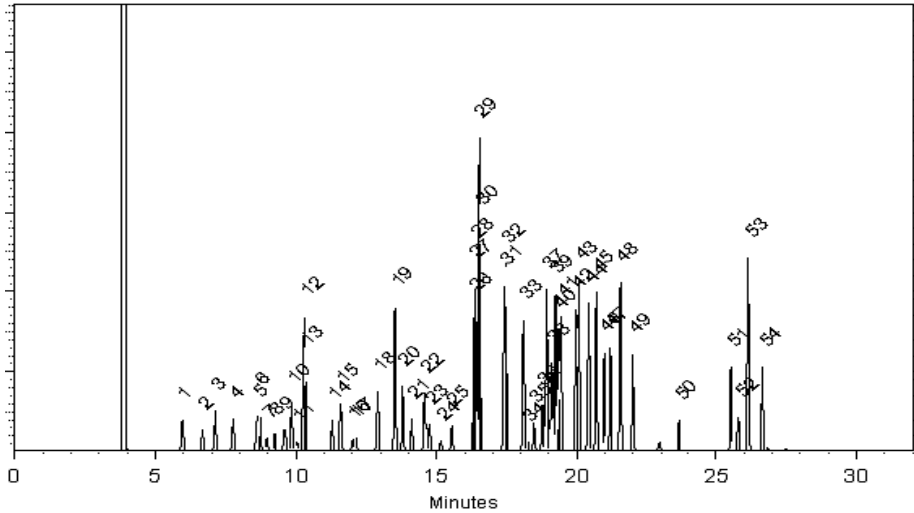
53	Naphthalene	91-20-3	STBL1057	99%	5,008.3	µg/mL	+/- 282.1039
54	1,2,3-Trichlorobenzene	87-61-6	MKBX7627V	99%	5,037.8	µg/mL	+/- 283.7656

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

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

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)
Carrier Gas:
hydrogen-constant pressure 11.0 psi.
Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)
Inj. Temp:
200°C
Det. Temp:
250°C
Det. Type:
FID
Split Vent:
40 ml/min
Inj. Vol
0.2µl



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

Russ Bookhamer
Russ Bookhamer - Operations Technician I

Date Mixed: 15-May-2024 **Balance Serial #** B442140311

Jennifer J. Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 17-May-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMIX#1_00234



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577486 **Lot No.:** A0211483

Description : Custom VOC MegaMix® #1 Standard

Custom VOC MegaMix® #1 Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,1-dichloroethene	75-35-4	SHBG8609V	99%	5,038.8 µg/mL	+/- 283.8004
2	Methylene chloride (dichloromethane)	75-09-2	231383	99%	5,013.9 µg/mL	+/- 282.3994
3	trans-1,2-Dichloroethene	156-60-5	MKCP9516	99%	5,020.8 µg/mL	+/- 282.7901
4	1,1-Dichloroethane	75-34-3	852900	99%	5,007.1 µg/mL	+/- 282.0157
5	2,2-Dichloropropane	594-20-7	RP231114CTH	99%	5,045.8 µg/mL	+/- 284.2162
6	cis-1,2-Dichloroethene	156-59-2	MKCP7830	99%	5,049.3 µg/mL	+/- 284.4180
7	chloroform	67-66-3	SHBN8469	99%	5,032.5 µg/mL	+/- 283.4484
8	Bromochloromethane	74-97-5	S231117RSR	99%	5,043.2 µg/mL	+/- 284.0707
9	1,1,1-trichloroethane	71-55-6	RD230728RSR	99%	5,043.7 µg/mL	+/- 284.0785
10	1,1-Dichloropropene	563-58-6	S240215ECS	99%	5,045.2 µg/mL	+/- 284.1833
11	carbon tetrachloride	56-23-5	SHBP4875	99%	5,042.8 µg/mL	+/- 284.0292
12	1,2-Dichloroethane	107-06-2	SHBQ5408	99%	5,007.8 µg/mL	+/- 282.0579
13	Benzene	71-43-2	MKCS3357	99%	5,011.2 µg/mL	+/- 282.2682
14	Trichloroethene	79-01-6	SHBQ6161	99%	5,019.9 µg/mL	+/- 282.7408
15	1,2-Dichloropropane	78-87-5	BCBR0882V	99%	5,041.1 µg/mL	+/- 283.9307
16	bromodichloromethane	75-27-4	MKCF8470	99%	5,014.1 µg/mL	+/- 282.4134

17	Dibromomethane	74-95-3	107151T06C	99%	5,019.6	µg/mL	+/-	282.7423
18	cis-1,3-Dichloropropene	10061-01-5	RP231025CTH	99%	5,036.1	µg/mL	+/-	283.6490
19	Toluene	108-88-3	MKCS9989	99%	5,027.9	µg/mL	+/-	283.2117
20	trans-1,3-Dichloropropene	10061-02-6	RP231025CTH-1	98%	5,002.6	µg/mL	+/-	281.7640
21	1,1,2-Trichloroethane	79-00-5	FGB01	99%	5,010.4	µg/mL	+/-	282.2022
22	1,3-Dichloropropane	142-28-9	BCCH5357	99%	5,043.1	µg/mL	+/-	284.0660
23	Tetrachloroethene	127-18-4	SHBQ0051	99%	5,014.8	µg/mL	+/-	282.4522
24	dibromochloromethane	124-48-1	MKCT4871	99%	5,042.3	µg/mL	+/-	283.9976
25	1,2-Dibromoethane (EDB)	106-93-4	BCCH7113	99%	5,041.7	µg/mL	+/-	283.9862
26	Chlorobenzene	108-90-7	SHBN6640	99%	5,013.3	µg/mL	+/-	282.3642
27	1,1,1,2-Tetrachloroethane	630-20-6	TMWGK	99%	5,025.2	µg/mL	+/-	283.0568
28	Ethylbenzene	100-41-4	094632T20F	99%	5,042.0	µg/mL	+/-	284.0050
29	m-Xylene	108-38-3	SHBN6673	99%	5,042.2	µg/mL	+/-	284.0143
30	p-Xylene	106-42-3	SHBP5191	99%	5,038.1	µg/mL	+/-	283.7843
31	o-Xylene	95-47-6	50069309	99%	5,047.2	µg/mL	+/-	284.2960
32	Styrene	100-42-5	MKCQ3390	99%	5,038.9	µg/mL	+/-	283.8313
33	Isopropylbenzene (cumene)	98-82-8	Z20D022	99%	5,022.8	µg/mL	+/-	282.9253
34	bromoform	75-25-2	050494L04R	99%	5,036.9	µg/mL	+/-	283.6948
35	1,1,2,2-Tetrachloroethane	79-34-5	QQJ4I	99%	5,032.5	µg/mL	+/-	283.4484
36	1,2,3-Trichloropropane	96-18-4	Q91-34	98%	5,042.7	µg/mL	+/-	284.0428
37	n-Propylbenzene	103-65-1	095067T18C	99%	5,028.8	µg/mL	+/-	283.2586
38	Bromobenzene	108-86-1	MKCQ7174	99%	5,026.8	µg/mL	+/-	283.1460
39	1,3,5-Trimethylbenzene	108-67-8	BCCH6852	99%	5,023.1	µg/mL	+/-	282.9394
40	2-Chlorotoluene	95-49-8	235783M23T	99%	5,028.7	µg/mL	+/-	283.2539
41	4-Chlorotoluene	106-43-4	BCCG9286	99%	5,043.9	µg/mL	+/-	284.1129
42	tert-Butylbenzene	98-06-6	STBJ1937	99%	5,047.3	µg/mL	+/-	284.3054
43	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	5,046.3	µg/mL	+/-	284.2490
44	sec-Butylbenzene	135-98-8	MKCP2266	99%	5,044.3	µg/mL	+/-	284.1364
45	p-Isopropyltoluene (p-Cymene)	99-87-6	MKCS1827	99%	5,035.8	µg/mL	+/-	283.6576
46	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	5,034.6	µg/mL	+/-	283.5646
47	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	5,015.5	µg/mL	+/-	282.4909
48	n-Butylbenzene	104-51-8	09418JJ	99%	5,034.7	µg/mL	+/-	283.5919
49	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	5,012.9	µg/mL	+/-	282.3466
50	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	5,029.4	µg/mL	+/-	283.2935
51	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	5,042.1	µg/mL	+/-	284.0096
52	Hexachlorobutadiene	87-68-3	X05J	99%	5,023.4	µg/mL	+/-	282.9582

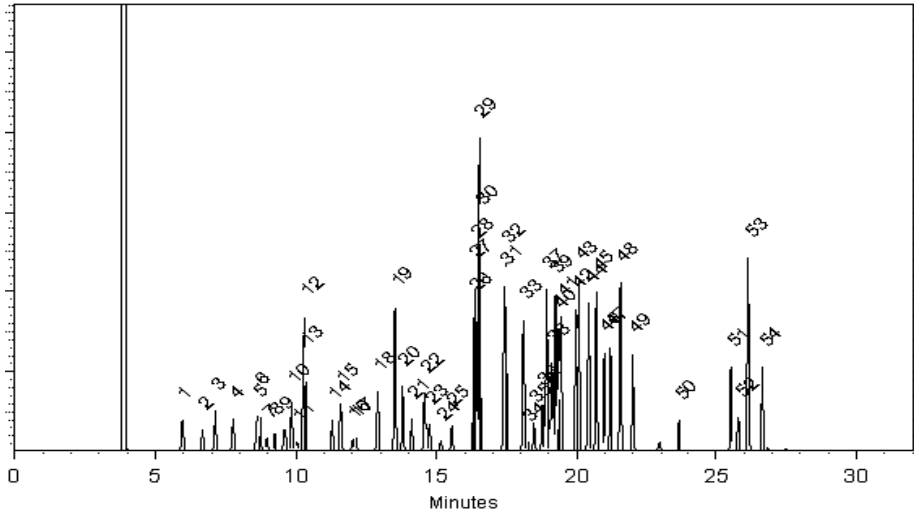
53	Naphthalene	91-20-3	STBL1057	99%	5,008.3	µg/mL	+/- 282.1039
54	1,2,3-Trichlorobenzene	87-61-6	MKBX7627V	99%	5,037.8	µg/mL	+/- 283.7656

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

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

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)
Carrier Gas:
hydrogen-constant pressure 11.0 psi.
Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)
Inj. Temp:
200°C
Det. Temp:
250°C
Det. Type:
FID
Split Vent:
40 ml/min
Inj. Vol
0.2µl



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

Russ Bookhamer
Russ Bookhamer - Operations Technician I

Date Mixed: 15-May-2024 **Balance Serial #** B442140311

Jennifer J. Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 17-May-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMix#2_00225



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577487 **Lot No.:** A0212010

Description : Custom VOC MegaMix® #2 Standard

Custom VOC MegaMix® #2 Standard 5000-62500µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Pentane (C5)	109-66-0	STBK5006	99%	5,041.0 µg/mL	+/- 84.9562
2	2-Propanol (isopropanol)	67-63-0	SHBR1699	99%	25,199.0 µg/mL	+/- 412.0520
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	00009482	99%	5,039.2 µg/mL	+/- 84.9253
4	tert-Butanol (TBA)	75-65-0	SHBQ8002	99%	25,207.0 µg/mL	+/- 412.1828
5	Methyl acetate	79-20-9	SHBP3100	99%	5,037.0 µg/mL	+/- 84.8888
6	Iodomethane (methyl iodide)	74-88-4	RD240405RSR	99%	5,048.3 µg/mL	+/- 85.0798
7	Allyl chloride (3-chloropropene)	107-05-1	RD240221ECS	99%	5,046.7 µg/mL	+/- 85.0517
8	Carbon disulfide	75-15-0	Q30J743	99%	5,036.0 µg/mL	+/- 84.8719
9	Acrylonitrile	107-13-1	MKCN8129	99%	12,598.0 µg/mL	+/- 206.0015
10	Methyl-tert-butyl ether (MTBE)	1634-04-4	SHBQ4873	99%	5,040.7 µg/mL	+/- 84.9506
11	n-Hexane (C6)	110-54-3	102412P22T	99%	5,042.5 µg/mL	+/- 84.9815
12	Diisopropyl ether (DIPE)	108-20-3	STBK8028	99%	5,042.7 µg/mL	+/- 84.9843
13	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	S240508RSR	99%	5,049.7 µg/mL	+/- 85.1023
14	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCT4522	98%	5,049.9 µg/mL	+/- 85.1069
15	Propionitrile	107-12-0	BCCH7430	99%	25,211.0 µg/mL	+/- 412.2482
16	Methacrylonitrile	126-98-7	1012014	99%	12,613.0 µg/mL	+/- 206.2467

17	Isobutanol (2-Methyl-1-propanol)	78-83-1	SHBR1206	99%	63,123.0	µg/mL	+/- 1,032.1821
18	Tetrahydrofuran	109-99-9	SHBQ8516	99%	25,247.0	µg/mL	+/- 412.8369
19	Cyclohexane	110-82-7	MKCS9749	99%	5,046.2	µg/mL	+/- 85.0433
20	1-Butanol	71-36-3	101601K21K	99%	63,110.0	µg/mL	+/- 1,031.9695
21	tert-Amyl methyl ether (TAME)	994-05-8	HMBJ0825	99%	5,038.5	µg/mL	+/- 84.9141
22	n-Heptane (C7)	142-82-5	044743T03G	99%	5,049.2	µg/mL	+/- 85.0938
23	tert-Amyl ethyl ether (TAEE)	919-94-8	IKVYB	97%	5,038.8	µg/mL	+/- 84.9196
24	Methylcyclohexane	108-87-2	SHBN1699	99%	5,044.8	µg/mL	+/- 85.0208
25	Methyl methacrylate	80-62-6	MKCQ2756	99%	5,048.0	µg/mL	+/- 85.0742
26	1,4-Dioxane	123-91-1	SHBQ2407	99%	63,103.0	µg/mL	+/- 1,031.8550
27	2-Nitropropane	79-46-9	BCCB9352	97%	25,238.4	µg/mL	+/- 412.6967
28	Ethyl methacrylate	97-63-2	MKCN6206	97%	5,046.9	µg/mL	+/- 85.0558
29	1-Chlorohexane	544-10-5	BCBS3368V	99%	5,044.5	µg/mL	+/- 85.0152
30	trans-1,4-dichloro-2-butene	110-57-6	RP240130CTH	98%	12,602.8	µg/mL	+/- 206.0799
31	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	5,043.7	µg/mL	+/- 85.0012
32	1,3-Diethylbenzene	141-93-5	BCBZ6270	99%	5,048.3	µg/mL	+/- 85.0798
33	Benzyl chloride	100-44-7	MKCM5986	99%	5,039.8	µg/mL	+/- 84.9365
34	1,4-Diethylbenzene	105-05-5	1135.72-1	99%	5,048.2	µg/mL	+/- 85.0770
35	1,2-Diethylbenzene	135-01-3	BCCG9282	99%	5,049.3	µg/mL	+/- 85.0967
36	1,3,5-Trichlorobenzene	108-70-3	11319AS	99%	5,046.3	µg/mL	+/- 85.0461
37	2-Methylnaphthalene	91-57-6	STBL3028	99%	5,045.0	µg/mL	+/- 85.0236

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 30 psi

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

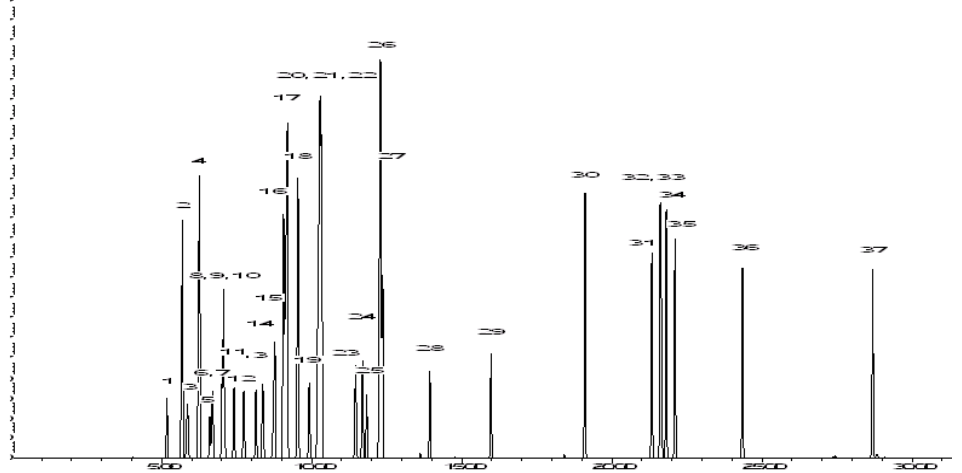
MSD

Split Vent:

25.0 ml/min.

Inj. Vol

1µl



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

Brittany Federinko - Operations Tech I

Date Mixed: 24-May-2024

Balance Serial # B251644995

Marlina Cowan - Operations Tech II ARM QC

Date Passed: 30-May-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMix#2_00227



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577487 **Lot No.:** A0212010

Description : Custom VOC MegaMix® #2 Standard

Custom VOC MegaMix® #2 Standard 5000-62500µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Pentane (C5)	109-66-0	STBK5006	99%	5,041.0 µg/mL	+/- 84.9562
2	2-Propanol (isopropanol)	67-63-0	SHBR1699	99%	25,199.0 µg/mL	+/- 412.0520
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	00009482	99%	5,039.2 µg/mL	+/- 84.9253
4	tert-Butanol (TBA)	75-65-0	SHBQ8002	99%	25,207.0 µg/mL	+/- 412.1828
5	Methyl acetate	79-20-9	SHBP3100	99%	5,037.0 µg/mL	+/- 84.8888
6	Iodomethane (methyl iodide)	74-88-4	RD240405RSR	99%	5,048.3 µg/mL	+/- 85.0798
7	Allyl chloride (3-chloropropene)	107-05-1	RD240221ECS	99%	5,046.7 µg/mL	+/- 85.0517
8	Carbon disulfide	75-15-0	Q30J743	99%	5,036.0 µg/mL	+/- 84.8719
9	Acrylonitrile	107-13-1	MKCN8129	99%	12,598.0 µg/mL	+/- 206.0015
10	Methyl-tert-butyl ether (MTBE)	1634-04-4	SHBQ4873	99%	5,040.7 µg/mL	+/- 84.9506
11	n-Hexane (C6)	110-54-3	102412P22T	99%	5,042.5 µg/mL	+/- 84.9815
12	Diisopropyl ether (DIPE)	108-20-3	STBK8028	99%	5,042.7 µg/mL	+/- 84.9843
13	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	S240508RSR	99%	5,049.7 µg/mL	+/- 85.1023
14	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCT4522	98%	5,049.9 µg/mL	+/- 85.1069
15	Propionitrile	107-12-0	BCCH7430	99%	25,211.0 µg/mL	+/- 412.2482
16	Methacrylonitrile	126-98-7	1012014	99%	12,613.0 µg/mL	+/- 206.2467

17	Isobutanol (2-Methyl-1-propanol)	78-83-1	SHBR1206	99%	63,123.0	µg/mL	+/- 1,032.1821
18	Tetrahydrofuran	109-99-9	SHBQ8516	99%	25,247.0	µg/mL	+/- 412.8369
19	Cyclohexane	110-82-7	MKCS9749	99%	5,046.2	µg/mL	+/- 85.0433
20	1-Butanol	71-36-3	101601K21K	99%	63,110.0	µg/mL	+/- 1,031.9695
21	tert-Amyl methyl ether (TAME)	994-05-8	HMBJ0825	99%	5,038.5	µg/mL	+/- 84.9141
22	n-Heptane (C7)	142-82-5	044743T03G	99%	5,049.2	µg/mL	+/- 85.0938
23	tert-Amyl ethyl ether (TAEE)	919-94-8	IKVYB	97%	5,038.8	µg/mL	+/- 84.9196
24	Methylcyclohexane	108-87-2	SHBN1699	99%	5,044.8	µg/mL	+/- 85.0208
25	Methyl methacrylate	80-62-6	MKCQ2756	99%	5,048.0	µg/mL	+/- 85.0742
26	1,4-Dioxane	123-91-1	SHBQ2407	99%	63,103.0	µg/mL	+/- 1,031.8550
27	2-Nitropropane	79-46-9	BCCB9352	97%	25,238.4	µg/mL	+/- 412.6967
28	Ethyl methacrylate	97-63-2	MKCN6206	97%	5,046.9	µg/mL	+/- 85.0558
29	1-Chlorohexane	544-10-5	BCBS3368V	99%	5,044.5	µg/mL	+/- 85.0152
30	trans-1,4-dichloro-2-butene	110-57-6	RP240130CTH	98%	12,602.8	µg/mL	+/- 206.0799
31	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	5,043.7	µg/mL	+/- 85.0012
32	1,3-Diethylbenzene	141-93-5	BCBZ6270	99%	5,048.3	µg/mL	+/- 85.0798
33	Benzyl chloride	100-44-7	MKCM5986	99%	5,039.8	µg/mL	+/- 84.9365
34	1,4-Diethylbenzene	105-05-5	1135.72-1	99%	5,048.2	µg/mL	+/- 85.0770
35	1,2-Diethylbenzene	135-01-3	BCCG9282	99%	5,049.3	µg/mL	+/- 85.0967
36	1,3,5-Trichlorobenzene	108-70-3	11319AS	99%	5,046.3	µg/mL	+/- 85.0461
37	2-Methylnaphthalene	91-57-6	STBL3028	99%	5,045.0	µg/mL	+/- 85.0236

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 30 psi

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

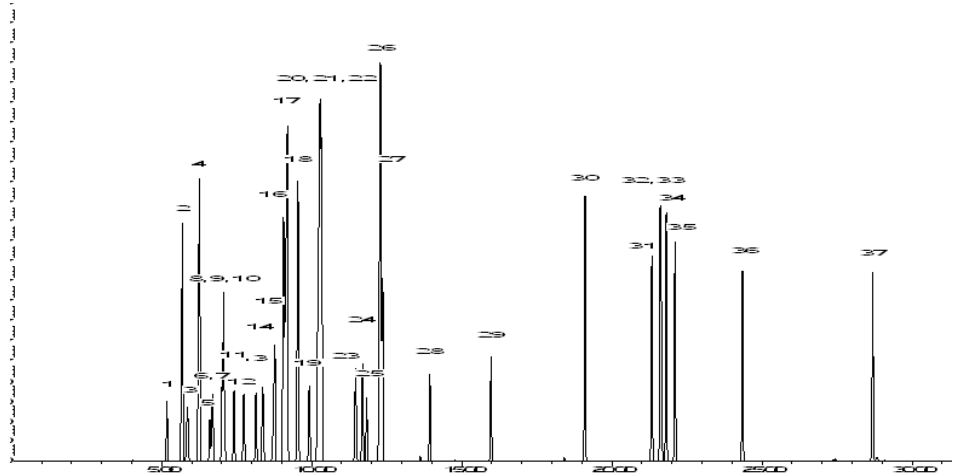
MSD

Split Vent:

25.0 ml/min.

Inj. Vol

1µl



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

Brittany Federinko - Operations Tech I

Date Mixed: 24-May-2024

Balance Serial # B251644995

Marlina Cowan - Operations Tech II ARM QC

Date Passed: 30-May-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMix#2_00232



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577487 **Lot No.:** A0212010

Description : Custom VOC MegaMix® #2 Standard

Custom VOC MegaMix® #2 Standard 5000-62500µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Pentane (C5)	109-66-0	STBK5006	99%	5,041.0 µg/mL	+/- 84.9562
2	2-Propanol (isopropanol)	67-63-0	SHBR1699	99%	25,199.0 µg/mL	+/- 412.0520
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	00009482	99%	5,039.2 µg/mL	+/- 84.9253
4	tert-Butanol (TBA)	75-65-0	SHBQ8002	99%	25,207.0 µg/mL	+/- 412.1828
5	Methyl acetate	79-20-9	SHBP3100	99%	5,037.0 µg/mL	+/- 84.8888
6	Iodomethane (methyl iodide)	74-88-4	RD240405RSR	99%	5,048.3 µg/mL	+/- 85.0798
7	Allyl chloride (3-chloropropene)	107-05-1	RD240221ECS	99%	5,046.7 µg/mL	+/- 85.0517
8	Carbon disulfide	75-15-0	Q30J743	99%	5,036.0 µg/mL	+/- 84.8719
9	Acrylonitrile	107-13-1	MKCN8129	99%	12,598.0 µg/mL	+/- 206.0015
10	Methyl-tert-butyl ether (MTBE)	1634-04-4	SHBQ4873	99%	5,040.7 µg/mL	+/- 84.9506
11	n-Hexane (C6)	110-54-3	102412P22T	99%	5,042.5 µg/mL	+/- 84.9815
12	Diisopropyl ether (DIPE)	108-20-3	STBK8028	99%	5,042.7 µg/mL	+/- 84.9843
13	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	S240508RSR	99%	5,049.7 µg/mL	+/- 85.1023
14	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCT4522	98%	5,049.9 µg/mL	+/- 85.1069
15	Propionitrile	107-12-0	BCCH7430	99%	25,211.0 µg/mL	+/- 412.2482
16	Methacrylonitrile	126-98-7	1012014	99%	12,613.0 µg/mL	+/- 206.2467

17	Isobutanol (2-Methyl-1-propanol)	78-83-1	SHBR1206	99%	63,123.0	µg/mL	+/- 1,032.1821
18	Tetrahydrofuran	109-99-9	SHBQ8516	99%	25,247.0	µg/mL	+/- 412.8369
19	Cyclohexane	110-82-7	MKCS9749	99%	5,046.2	µg/mL	+/- 85.0433
20	1-Butanol	71-36-3	101601K21K	99%	63,110.0	µg/mL	+/- 1,031.9695
21	tert-Amyl methyl ether (TAME)	994-05-8	HMBJ0825	99%	5,038.5	µg/mL	+/- 84.9141
22	n-Heptane (C7)	142-82-5	044743T03G	99%	5,049.2	µg/mL	+/- 85.0938
23	tert-Amyl ethyl ether (TAEE)	919-94-8	IKVYB	97%	5,038.8	µg/mL	+/- 84.9196
24	Methylcyclohexane	108-87-2	SHBN1699	99%	5,044.8	µg/mL	+/- 85.0208
25	Methyl methacrylate	80-62-6	MKCQ2756	99%	5,048.0	µg/mL	+/- 85.0742
26	1,4-Dioxane	123-91-1	SHBQ2407	99%	63,103.0	µg/mL	+/- 1,031.8550
27	2-Nitropropane	79-46-9	BCCB9352	97%	25,238.4	µg/mL	+/- 412.6967
28	Ethyl methacrylate	97-63-2	MKCN6206	97%	5,046.9	µg/mL	+/- 85.0558
29	1-Chlorohexane	544-10-5	BCBS3368V	99%	5,044.5	µg/mL	+/- 85.0152
30	trans-1,4-dichloro-2-butene	110-57-6	RP240130CTH	98%	12,602.8	µg/mL	+/- 206.0799
31	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	5,043.7	µg/mL	+/- 85.0012
32	1,3-Diethylbenzene	141-93-5	BCBZ6270	99%	5,048.3	µg/mL	+/- 85.0798
33	Benzyl chloride	100-44-7	MKCM5986	99%	5,039.8	µg/mL	+/- 84.9365
34	1,4-Diethylbenzene	105-05-5	1135.72-1	99%	5,048.2	µg/mL	+/- 85.0770
35	1,2-Diethylbenzene	135-01-3	BCCG9282	99%	5,049.3	µg/mL	+/- 85.0967
36	1,3,5-Trichlorobenzene	108-70-3	11319AS	99%	5,046.3	µg/mL	+/- 85.0461
37	2-Methylnaphthalene	91-57-6	STBL3028	99%	5,045.0	µg/mL	+/- 85.0236

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 30 psi

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

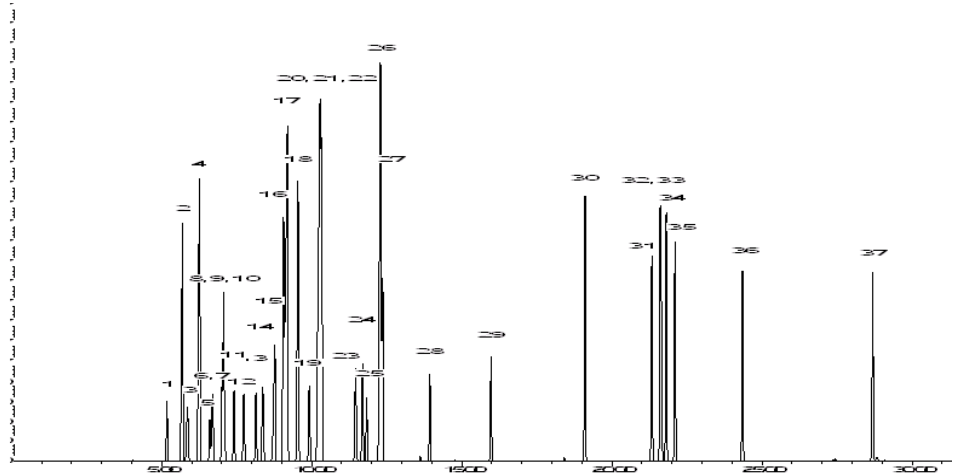
MSD

Split Vent:

25.0 ml/min.

Inj. Vol

1µl



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

Brittany Federinko - Operations Tech I

Date Mixed: 24-May-2024

Balance Serial # B251644995

Marlina Cowan - Operations Tech II ARM QC

Date Passed: 30-May-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_QC_2K_GAS_00290



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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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.:** A0211460

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, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8.SEC	28888	99%	2,002.3 µg/mL	+/- 116.3467
2	Chloromethane (methyl chloride)	74-87-3.SEC	00022694	99%	2,014.2 µg/mL	+/- 117.1824
3	Vinyl chloride	75-01-4 *	00015559	99%	2,009.3 µg/mL	+/- 117.9630
4	1,3-Butadiene	106-99-0.SEC	28539	99%	2,030.2 µg/mL	+/- 117.6986
5	Bromomethane (methyl bromide)	74-83-9 *	00017022	99%	2,017.1 µg/mL	+/- 136.9230
6	Chloroethane (ethyl chloride)	75-00-3.SEC	00021903	99%	2,005.3 µg/mL	+/- 122.7081
7	Dichlorofluoromethane (CFC-21)	75-43-4 *	14485600	90%	2,016.0 µg/mL	+/- 113.2616
8	Trichlorofluoromethane (CFC-11)	75-69-4.SEC	00010739	99%	2,020.0 µg/mL	+/- 113.4863
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4 *	877500	99%	2,005.1 µg/mL	+/- 115.4133

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

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

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

Tech Tips:

Raw material may contain trace amounts of tert-Butanol.

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

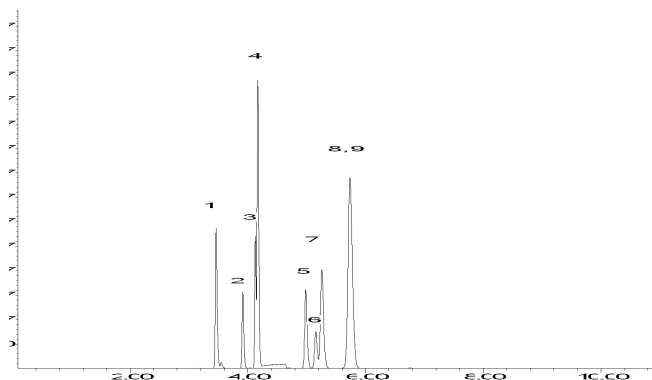
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



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


Matt Fragassi - Mix Technician

Date Mixed: 15-May-2024

Balance Serial # 1127510105


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 22-May-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_QC_2K_GAS_00296



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CERTIFIED REFERENCE MATERIAL

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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.:** A0211460

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, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8.SEC	28888	99%	2,002.3 µg/mL	+/- 116.3467
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3	Vinyl chloride	75-01-4 *	00015559	99%	2,009.3 µg/mL	+/- 117.9630
4	1,3-Butadiene	106-99-0.SEC	28539	99%	2,030.2 µg/mL	+/- 117.6986
5	Bromomethane (methyl bromide)	74-83-9 *	00017022	99%	2,017.1 µg/mL	+/- 136.9230
6	Chloroethane (ethyl chloride)	75-00-3.SEC	00021903	99%	2,005.3 µg/mL	+/- 122.7081
7	Dichlorofluoromethane (CFC-21)	75-43-4 *	14485600	90%	2,016.0 µg/mL	+/- 113.2616
8	Trichlorofluoromethane (CFC-11)	75-69-4.SEC	00010739	99%	2,020.0 µg/mL	+/- 113.4863
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4 *	877500	99%	2,005.1 µg/mL	+/- 115.4133

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

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

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Tech Tips:

Raw material may contain trace amounts of tert-Butanol.

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

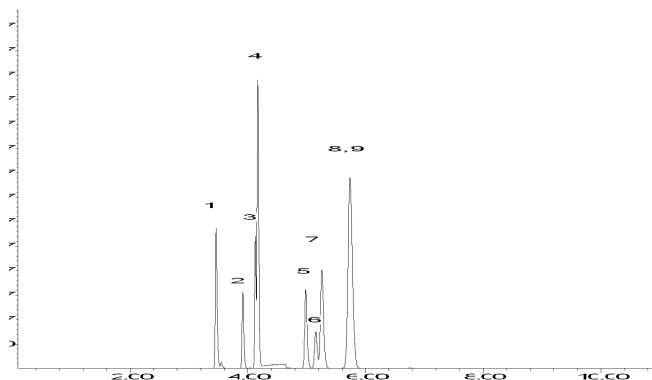
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



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


Matt Fragassi - Mix Technician

Date Mixed: 15-May-2024

Balance Serial # 1127510105


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 22-May-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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Certified Uncertainty Value Notes:

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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

Reagent

MSV_QC_2K_GAS_00303



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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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.:** A0211460

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, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8.SEC	28888	99%	2,002.3 µg/mL	+/- 116.3467
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3	Vinyl chloride	75-01-4 *	00015559	99%	2,009.3 µg/mL	+/- 117.9630
4	1,3-Butadiene	106-99-0.SEC	28539	99%	2,030.2 µg/mL	+/- 117.6986
5	Bromomethane (methyl bromide)	74-83-9 *	00017022	99%	2,017.1 µg/mL	+/- 136.9230
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7	Dichlorofluoromethane (CFC-21)	75-43-4 *	14485600	90%	2,016.0 µg/mL	+/- 113.2616
8	Trichlorofluoromethane (CFC-11)	75-69-4.SEC	00010739	99%	2,020.0 µg/mL	+/- 113.4863
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* Expanded Uncertainty displayed in same units as Grav. Conc.

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

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Tech Tips:

Raw material may contain trace amounts of tert-Butanol.

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

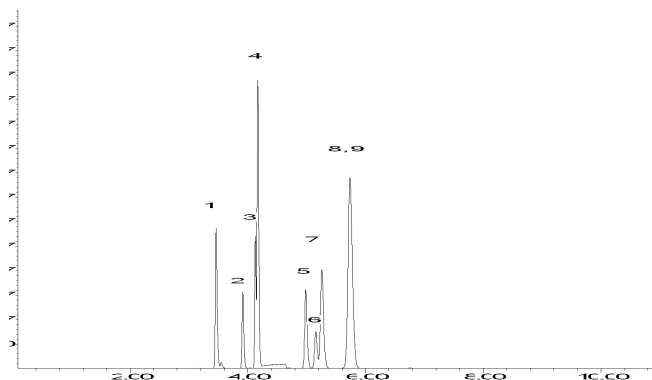
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



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


Matt Fragassi - Mix Technician

Date Mixed: 15-May-2024

Balance Serial # 1127510105


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 22-May-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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

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Manufacturing Notes:

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Handling Notes:

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Reagent

MSV_V#2B_00417



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

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 56734 **Lot No.:** A0211456

Description : Custom V # 2B Standard

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

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

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

Ship: Ambient

Elution Order	Compound	CAS #	Percent Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2-Propanol (isopropanol)	67-63-0	99%	25,027.0 µg/mL	+/- 146.5386 µg/mL
2	tert-Butanol (TBA)	75-65-0	99%	25,028.0 µg/mL	+/- 146.5444 µg/mL
3	Propionitrile	107-12-0	99%	25,017.0 µg/mL	+/- 146.4800 µg/mL
4	Methacrylonitrile	126-98-7	99%	12,514.0 µg/mL	+/- 73.2722 µg/mL
5	Isobutanol (2-Methyl-1-propanol)	78-83-1	99%	62,518.0 µg/mL	+/- 366.0566 µg/mL
6	1-Butanol	71-36-3	99%	125,047.0 µg/mL	+/- 732.1399 µg/mL
7	1,4-Dioxane	123-91-1	99%	62,517.0 µg/mL	+/- 366.0508 µg/mL
8	trans-1,4-dichloro-2-butene	110-57-6	98%	12,522.4 µg/mL	+/- 73.3216 µg/mL
Solvent:	P&T Methanol	67-56-1	99%		

Specific Reference Material Notes:

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

Quality Confirmation Test

Column:

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

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

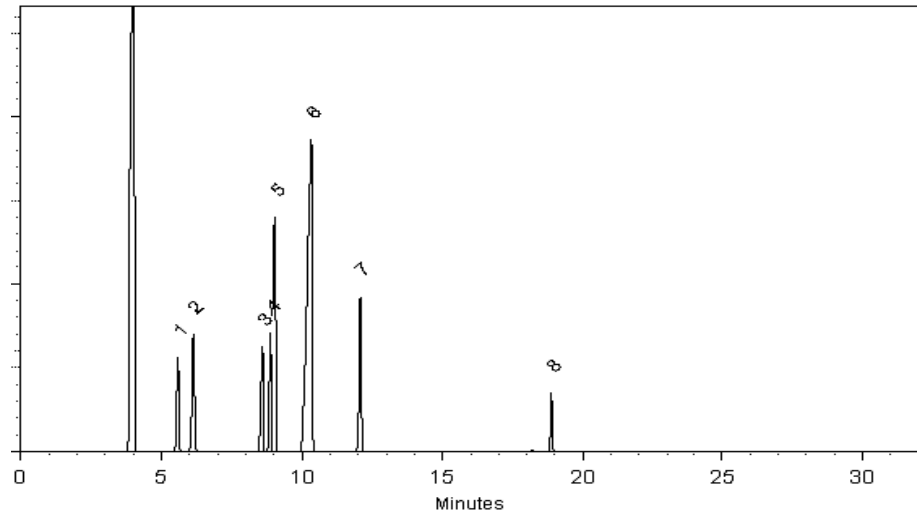
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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


Laith Clemente - Operations Technician I

Date Mixed: 15-May-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 20-May-2024

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

General Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Uncertainty Value Notes:

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V#2B_00421



110 Benner Circle
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Fax: 1-814-353-1309

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Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 56734 **Lot No.:** A0211456

Description : Custom V # 2B Standard

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

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

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

Ship: Ambient

Elution Order	Compound	CAS #	Percent Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2-Propanol (isopropanol)	67-63-0	99%	25,027.0 µg/mL	+/- 146.5386 µg/mL
2	tert-Butanol (TBA)	75-65-0	99%	25,028.0 µg/mL	+/- 146.5444 µg/mL
3	Propionitrile	107-12-0	99%	25,017.0 µg/mL	+/- 146.4800 µg/mL
4	Methacrylonitrile	126-98-7	99%	12,514.0 µg/mL	+/- 73.2722 µg/mL
5	Isobutanol (2-Methyl-1-propanol)	78-83-1	99%	62,518.0 µg/mL	+/- 366.0566 µg/mL
6	1-Butanol	71-36-3	99%	125,047.0 µg/mL	+/- 732.1399 µg/mL
7	1,4-Dioxane	123-91-1	99%	62,517.0 µg/mL	+/- 366.0508 µg/mL
8	trans-1,4-dichloro-2-butene	110-57-6	98%	12,522.4 µg/mL	+/- 73.3216 µg/mL
Solvent:	P&T Methanol	67-56-1	99%		

Specific Reference Material Notes:

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

Quality Confirmation Test

Column:

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

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

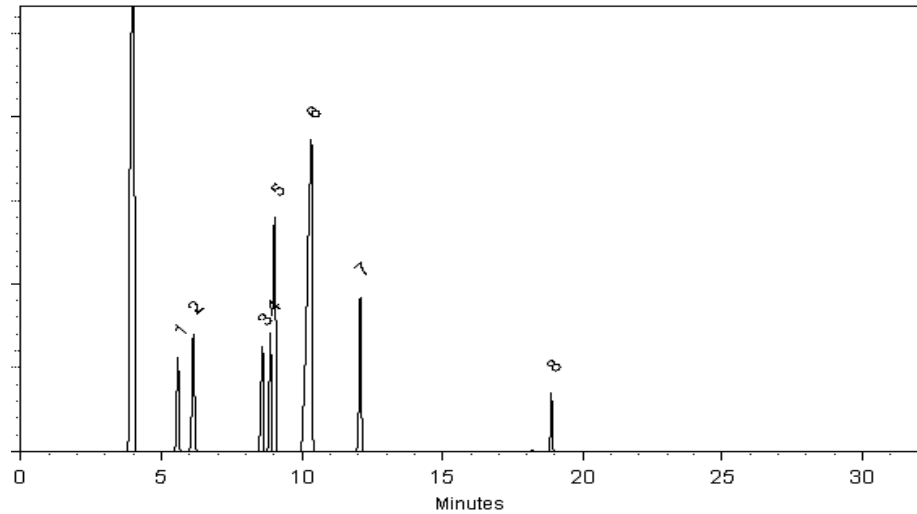
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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


Laith Clemente - Operations Technician I

Date Mixed: 15-May-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 20-May-2024

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

General Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Uncertainty Value Notes:

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_Ketones_00218



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 569721 **Lot No.:** A0210935

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

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

Expiration Date : April 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	12,591.3 µg/mL	+/- 435.1857
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	12,561.0 µg/mL	+/- 434.1373
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	12,580.0 µg/mL	+/- 434.7940
4	2-Hexanone	591-78-6	MKCV1997	99%	12,580.7 µg/mL	+/- 434.8170

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

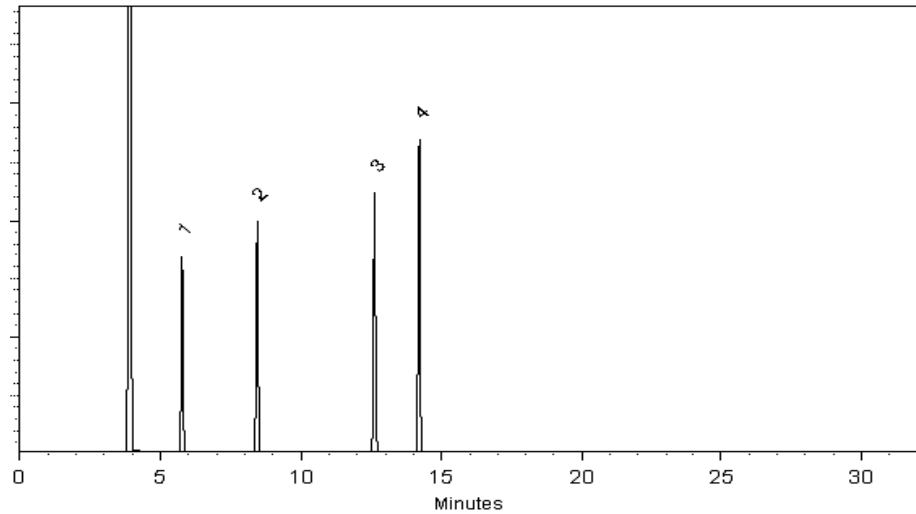
FID

Split Vent:

40 ml/min

Inj. Vol

0.2µl



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

Stacey Wanner - Operations Technician I

Date Mixed: 30-Apr-2024

Balance Serial # B707717271

Dillan Murphy - Operations Technician I

Date Passed: 02-May-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_Ketones_00221



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CERTIFIED REFERENCE MATERIAL

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 569721 **Lot No.:** A0210935

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

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

Expiration Date : April 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	12,591.3 µg/mL	+/- 435.1857
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	12,561.0 µg/mL	+/- 434.1373
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	12,580.0 µg/mL	+/- 434.7940
4	2-Hexanone	591-78-6	MKCV1997	99%	12,580.7 µg/mL	+/- 434.8170

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

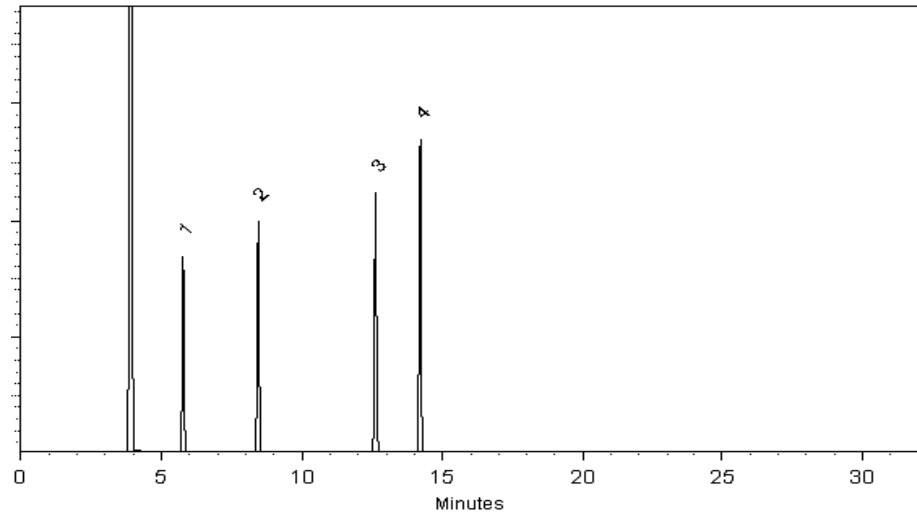
FID

Split Vent:

40 ml/min

Inj. Vol

0.2µl



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

Stacey Wanner - Operations Technician I

Date Mixed: 30-Apr-2024

Balance Serial # B707717271

Dillan Murphy - Operations Technician I

Date Passed: 02-May-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_Ketones_00230



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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 569721 **Lot No.:** A0210935

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

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

Expiration Date : April 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	12,591.3 µg/mL	+/- 435.1857
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	12,561.0 µg/mL	+/- 434.1373
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	12,580.0 µg/mL	+/- 434.7940
4	2-Hexanone	591-78-6	MKCV1997	99%	12,580.7 µg/mL	+/- 434.8170

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

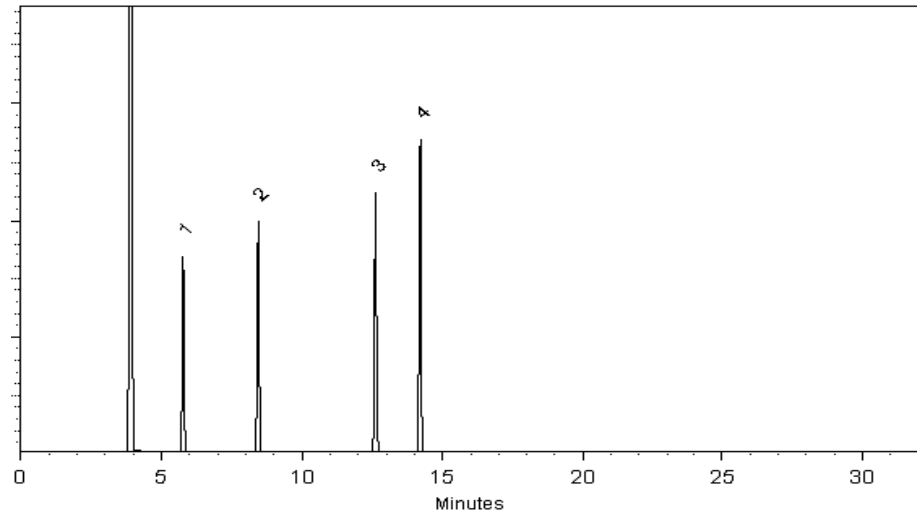
FID

Split Vent:

40 ml/min

Inj. Vol

0.2µl



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

Stacey Wanner - Operations Technician I

Date Mixed: 30-Apr-2024

Balance Serial # B707717271

Dillan Murphy - Operations Technician I

Date Passed: 02-May-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_PentaCL_00055



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577491 **Lot No.:** A0197490

Description : Custom Pentachloroethane Standard

Custom Pentachloroethane Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachloroethane	76-01-7	13550700	97%	5,011.0 µg/mL	+/- 281.5258

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

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

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

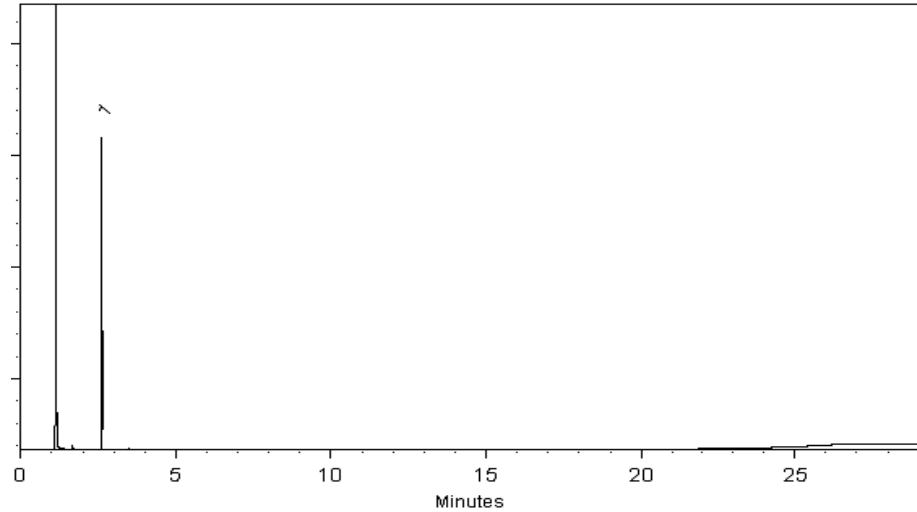
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



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

Nick Yaw - Operations Tech I

Date Mixed: 26-Apr-2023

Balance Serial # B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_PentaCL_00057



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577491 **Lot No.:** A0197490

Description : Custom Pentachloroethane Standard

Custom Pentachloroethane Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachloroethane	76-01-7	13550700	97%	5,011.0 µg/mL	+/- 281.5258

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

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

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

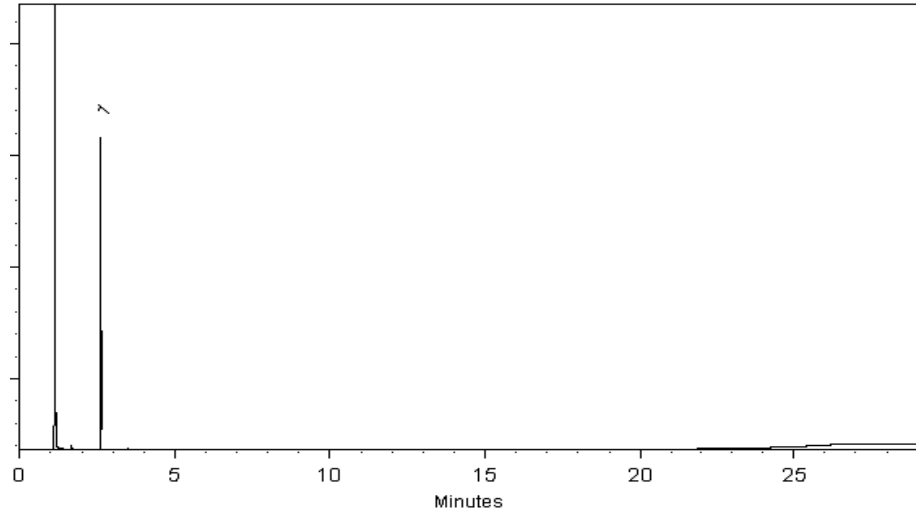
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



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

Nick Yaw - Operations Tech I

Date Mixed: 26-Apr-2023

Balance Serial # B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_SIM_00049



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. : 566863 **Lot No.:** A0181588

Description : Custom SIM 8260C "V" Standard

Custom SIM 8260C "V" Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

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

Expiration Date : February 28, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	1,1-dichloroethene CAS # 75-35-4 (Lot SHBK2437) Purity 99%	2,006.0 µg/mL	+/- 11.9150 µg/mL Gravimetric +/- 112.5008 µg/mL Unstressed +/- 115.1320 µg/mL Stressed
2	cis-1,2-Dichloroethene CAS # 156-59-2 (Lot MKCK1803) Purity 99%	2,010.0 µg/mL	+/- 11.9388 µg/mL Gravimetric +/- 112.7252 µg/mL Unstressed +/- 115.3616 µg/mL Stressed
3	Trichloroethene CAS # 79-01-6 (Lot SHBN3720) Purity 99%	2,016.0 µg/mL	+/- 11.9744 µg/mL Gravimetric +/- 113.0617 µg/mL Unstressed +/- 115.7059 µg/mL Stressed
4	Tetrachloroethene CAS # 127-18-4 (Lot SHBJ7422) Purity 99%	2,002.0 µg/mL	+/- 11.8913 µg/mL Gravimetric +/- 112.2765 µg/mL Unstressed +/- 114.9024 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)

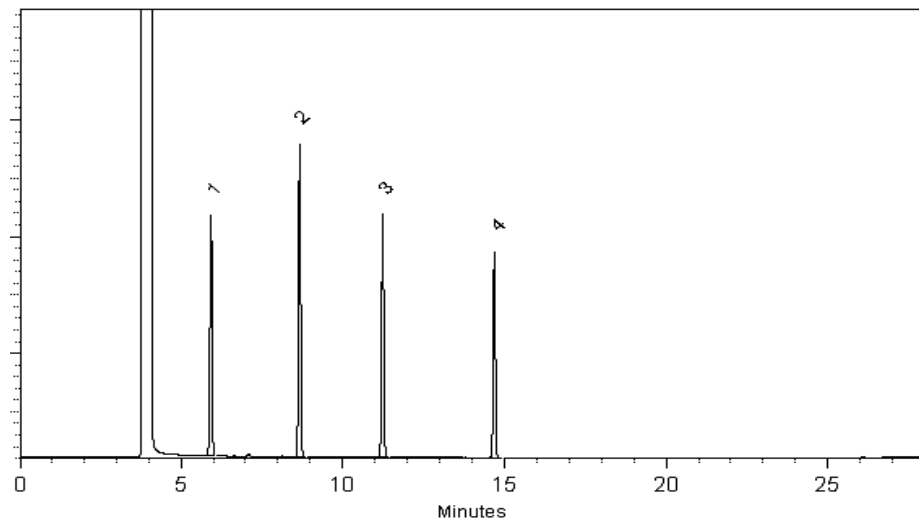
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

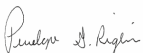
Inj. Temp:
200°C

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.


Penelope Riglin - Operations Tech I

Date Mixed: 09-Feb-2022 **Balance:** B707717271


Fang-Yun Lo - QC Analyst

Date Passed: 17-Feb-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.

Method 8260D Low Level

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

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	410-224440-1	102	109	99	97
HD-COD-SW-7-0/1-0	410-224440-2	102	106	98	94
HD-COD-SW-8-0/1-0	410-224440-3	103	109	99	93
HD-COD-SW-9-0/1-0	410-224440-4	104	107	99	95
HD-COD-SW-13-0/1-0	410-224440-5	104	107	98	94
HD-COD-SW-15-0/1-0	410-224440-6	103	108	99	92
HD-COD-SW-16-0/1-0	410-224440-7	103	106	102	93
HD-COD-SW-17-0/1-0	410-224440-8	105	106	101	93
HD-COD-SW-17-0/1-0 DL	410-224440-8 DL	103	103	104	91
HD-COD-SW-26-0/1-0	410-224440-9	102	103	104	94
HD-COD-SW-27-0/1-0	410-224440-10	104	103	104	93
HD-COD-SW-28-0/1-0	410-224440-11	104	104	104	91
HD-COD-SW-29-0/1-0	410-224440-12	104	104	104	91
HD-QC1-0/1-1	410-224440-13	104	105	100	91
HD-QC1-0/1-1 DL	410-224440-13 DL	103	105	102	92
HD-QC1-0/1-2	410-224440-14	104	105	102	93
	MB 410-652669/7	97	106	99	95
	MB 410-653082/6	102	105	104	98
	LCS 410-652669/5	96	103	103	101
	LCS 410-653082/4	104	100	103	96
HD-COD-SW-15-0/1-0 MS MS	410-224440-6 MS	99	102	103	99
HD-COD-SW-15-0/1-0 MSD MSD	410-224440-6 MSD	99	105	101	99

QC LIMITS

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

80-120
80-120
80-120
80-120

Column to be used to flag recovery values

FORM II 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: IU04X14.D

Lab ID: LCS 410-652669/5

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	80-122	
1,1,1-Trichloroethane	5.00	4.52	90	78-126	
1,1,2,2-Tetrachloroethane	5.00	4.21	84	75-123	
1,1,2-Trichloroethane	5.00	4.65	93	80-120	
1,1-Dichloroethane	5.00	4.67	93	74-120	
1,1-Dichloroethene	5.00	5.02	100	80-131	
1,2-Dibromoethane (EDB)	5.00	4.48	90	80-120	
1,2-Dichloroethane	5.00	4.00	80	69-122	
1,2-Dichloropropane	5.00	4.52	90	80-120	
2-Butanone (MEK)	62.5	51.7	83	59-141	
2-Hexanone	62.5	51.2	82	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	50.6	81	55-140	
Acetone	62.5	46.4	74	60-146	
Benzene	5.00	4.65	93	80-120	
Bromochloromethane	5.00	4.61	92	80-133	
Bromodichloromethane	5.00	4.32	86	80-123	
Bromoform	5.00	4.60	92	75-126	
Bromomethane	5.00	3.80	76	63-120	
Carbon disulfide	5.00	4.25	85	67-130	
Carbon tetrachloride	5.00	4.53	91	64-141	
Chlorobenzene	5.00	4.76	95	80-120	
Chloroethane	5.00	3.92	78	63-120	
Chloroform	5.00	4.43	89	80-120	
Chloromethane	5.00	3.24	65	56-124	
cis-1,2-Dichloroethene	5.00	5.08	102	80-122	
cis-1,3-Dichloropropene	5.00	4.52	90	67-121	
Dibromochloromethane	5.00	4.48	90	80-123	
Ethylbenzene	5.00	4.80	96	80-120	
Methyl tert-butyl ether	5.00	4.52	90	69-120	
Methylene Chloride	5.00	4.71	94	80-120	
Styrene	5.00	5.34	107	80-120	
Tetrachloroethene	5.00	4.60	92	80-120	
Toluene	5.00	4.89	98	80-120	
trans-1,2-Dichloroethene	5.00	4.94	99	80-122	
trans-1,3-Dichloropropene	5.00	4.68	94	61-129	
Trichloroethene	5.00	4.57	91	80-120	
Vinyl chloride	5.00	4.10	82	60-125	
Xylenes, Total	15.0	15.2	101	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.: 410-224440-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: HU04X33.D

Lab ID: LCS 410-653082/4

Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	5.32	106	80-122	
1,1,1-Trichloroethane	5.00	5.60	112	78-126	
1,1,2,2-Tetrachloroethane	5.00	5.42	108	75-123	
1,1,2-Trichloroethane	5.00	5.39	108	80-120	
1,1-Dichloroethane	5.00	5.86	117	74-120	
1,1-Dichloroethene	5.00	6.32	126	80-131	
1,2-Dibromoethane (EDB)	5.00	5.34	107	80-120	
1,2-Dichloroethane	5.00	5.51	110	69-122	
1,2-Dichloropropane	5.00	5.84	117	80-120	
2-Butanone (MEK)	62.5	66.3	106	59-141	
2-Hexanone	62.5	59.4	95	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	66.7	107	55-140	
Acetone	62.5	54.5	87	60-146	
Benzene	5.00	5.55	111	80-120	
Bromochloromethane	5.00	5.62	112	80-133	
Bromodichloromethane	5.00	5.67	113	80-123	
Bromoform	5.00	5.15	103	75-126	
Bromomethane	5.00	4.67	93	63-120	
Carbon disulfide	5.00	5.32	106	67-130	
Carbon tetrachloride	5.00	5.56	111	64-141	
Chlorobenzene	5.00	5.28	106	80-120	
Chloroethane	5.00	5.20	104	63-120	
Chloroform	5.00	5.59	112	80-120	
Chloromethane	5.00	3.97	79	56-124	
cis-1,2-Dichloroethene	5.00	5.47	109	80-122	
cis-1,3-Dichloropropene	5.00	5.20	104	67-121	
Dibromochloromethane	5.00	5.37	107	80-123	
Ethylbenzene	5.00	5.42	108	80-120	
Methyl tert-butyl ether	5.00	5.06	101	69-120	
Methylene Chloride	5.00	5.81	116	80-120	
Styrene	5.00	5.64	113	80-120	
Tetrachloroethene	5.00	5.16	103	80-120	
Toluene	5.00	5.34	107	80-120	
trans-1,2-Dichloroethene	5.00	5.94	119	80-122	
trans-1,3-Dichloropropene	5.00	5.35	107	61-129	
Trichloroethene	5.00	5.56	111	80-120	
Vinyl chloride	5.00	4.30	86	60-125	
Xylenes, Total	15.0	16.2	108	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.: 410-224440-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: IU04X35.D

Lab ID: 410-224440-6 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	4.45	89	80-122	
1,1,1-Trichloroethane	5.00	0.35 J	4.90	91	78-126	
1,1,2,2-Tetrachloroethane	5.00	ND	3.75	75	75-123	
1,1,2-Trichloroethane	5.00	ND	4.27	85	80-120	
1,1-Dichloroethane	5.00	0.11 J	4.60	90	74-120	
1,1-Dichloroethene	5.00	0.18 J	5.27	102	80-131	
1,2-Dibromoethane (EDB)	5.00	ND	4.10	82	80-120	
1,2-Dichloroethane	5.00	ND	3.84	77	69-122	
1,2-Dichloropropane	5.00	ND	4.18	84	80-120	
2-Butanone (MEK)	62.6	ND	49.7	80	59-141	
2-Hexanone	62.6	ND	49.9	80	52-140	
4-Methyl-2-pentanone (MIBK)	62.6	ND	49.2	79	55-140	
Acetone	62.6	ND	41.8	67	60-146	
Benzene	5.00	ND	4.48	89	80-120	
Bromochloromethane	5.00	ND	4.44	89	80-133	
Bromodichloromethane	5.00	ND	4.07	81	80-123	
Bromoform	5.00	ND	4.02	80	75-126	
Bromomethane	5.00	ND	3.93	78	63-120	
Carbon disulfide	5.00	ND	4.25	85	67-130	
Carbon tetrachloride	5.00	ND	4.69	94	64-141	
Chlorobenzene	5.00	ND	4.59	92	80-120	
Chloroethane	5.00	ND	4.06	81	63-120	
Chloroform	5.00	0.18 J	4.50	86	80-120	
Chloromethane	5.00	ND	3.46	69	80-120	FL
cis-1,2-Dichloroethene	5.00	0.90	5.79	98	80-122	
cis-1,3-Dichloropropene	5.00	ND	4.11	82	67-121	
Dibromochloromethane	5.00	ND	4.14	83	80-123	
Ethylbenzene	5.00	ND	4.63	92	80-120	
Methyl tert-butyl ether	5.00	ND	4.11	82	69-120	
Methylene Chloride	5.00	ND	4.53	91	80-120	
Styrene	5.00	ND	5.00	100	80-120	
Tetrachloroethene	5.00	5.7	10.3	91	80-120	
Toluene	5.00	ND	4.69	94	80-120	
trans-1,2-Dichloroethene	5.00	ND	4.83	97	80-122	
trans-1,3-Dichloropropene	5.00	ND	4.19	84	61-129	
Trichloroethene	5.00	1.4	5.78	88	80-120	
Vinyl chloride	5.00	ND	4.28	86	60-125	
Xylenes, Total	15.0	ND	14.3	95	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.: 410-224440-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: IU04X36.D

Lab ID: 410-224440-6 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	4.54	91	2	30	80-122	
1,1,1-Trichloroethane	5.00	5.01	93	2	30	78-126	
1,1,2,2-Tetrachloroethane	5.00	3.96	79	5	30	75-123	
1,1,2-Trichloroethane	5.00	4.37	87	2	30	80-120	
1,1-Dichloroethane	5.00	4.77	93	4	30	74-120	
1,1-Dichloroethene	5.00	5.33	103	1	30	80-131	
1,2-Dibromoethane (EDB)	5.00	4.22	84	3	30	80-120	
1,2-Dichloroethane	5.00	3.89	78	1	30	69-122	
1,2-Dichloropropane	5.00	4.37	87	4	30	80-120	
2-Butanone (MEK)	62.6	47.9	77	4	30	59-141	
2-Hexanone	62.6	47.1	75	6	30	52-140	
4-Methyl-2-pentanone (MIBK)	62.6	46.8	75	5	30	55-140	
Acetone	62.6	41.4	66	1	30	60-146	
Benzene	5.00	4.55	91	2	30	80-120	
Bromochloromethane	5.00	4.44	89	0	30	80-133	
Bromodichloromethane	5.00	4.20	84	3	30	80-123	
Bromoform	5.00	4.19	84	4	30	75-126	
Bromomethane	5.00	3.70	74	6	30	63-120	
Carbon disulfide	5.00	4.31	86	1	30	67-130	
Carbon tetrachloride	5.00	4.83	97	3	30	64-141	
Chlorobenzene	5.00	4.61	92	0	30	80-120	
Chloroethane	5.00	3.81	76	6	30	63-120	
Chloroform	5.00	4.56	87	1	30	80-120	
Chloromethane	5.00	3.40	68	2	30	80-120	FL
cis-1,2-Dichloroethene	5.00	5.85	99	1	30	80-122	
cis-1,3-Dichloropropene	5.00	4.25	85	4	30	67-121	
Dibromochloromethane	5.00	4.24	85	2	30	80-123	
Ethylbenzene	5.00	4.67	93	1	30	80-120	
Methyl tert-butyl ether	5.00	4.29	86	4	30	69-120	
Methylene Chloride	5.00	4.64	93	2	30	80-120	
Styrene	5.00	5.09	102	2	30	80-120	
Tetrachloroethene	5.00	10.3	92	0	30	80-120	
Toluene	5.00	4.77	95	2	30	80-120	
trans-1,2-Dichloroethene	5.00	5.01	100	4	30	80-122	
trans-1,3-Dichloropropene	5.00	4.25	85	1	30	61-129	
Trichloroethene	5.00	5.94	91	3	30	80-120	
Vinyl chloride	5.00	4.07	81	5	30	60-125	
Xylenes, Total	15.0	14.6	97	2	30	80-120	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1
Environment Testing, LLC

SDG No.: _____

Lab File ID: copy_IU04X17.D Lab Sample ID: MB 410-652669/7

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

Instrument ID: 19930 Date Analyzed: 06/04/2025 15:27

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 410-652669/5	IU04X14.D	06/04/2025 14:24
HD-COD-SW-15-0/1-0	410-224440-6	IU04X34.D	06/04/2025 21:41
HD-COD-SW-15-0/1-0 MS MS	410-224440-6 MS	IU04X35.D	06/04/2025 22:02
HD-COD-SW-15-0/1-0 MSD MSD	410-224440-6 MSD	IU04X36.D	06/04/2025 22:23
HD-COD-SW-6-0/1-0	410-224440-1	IU04X38.D	06/04/2025 23:05
HD-COD-SW-7-0/1-0	410-224440-2	IU04X39.D	06/04/2025 23:26
HD-COD-SW-8-0/1-0	410-224440-3	IU04X40.D	06/04/2025 23:47
HD-COD-SW-9-0/1-0	410-224440-4	IU04X41.D	06/05/2025 00:08
HD-COD-SW-13-0/1-0	410-224440-5	IU04X42.D	06/05/2025 00:29

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

Lab File ID: HU04X35.D

Lab Sample ID: MB 410-653082/6

Matrix: Water

Heated Purge: (Y/N) N

Instrument ID: 19094

Date Analyzed: 06/04/2025 22:10

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 410-653082/4	HU04X33.D	06/04/2025 21:28
HD-QC1-0/1-2	410-224440-14	HU04X36.D	06/04/2025 22:30
HD-COD-SW-16-0/1-0	410-224440-7	HU04X44.D	06/05/2025 01:20
HD-COD-SW-26-0/1-0	410-224440-9	HU04X45.D	06/05/2025 01:41
HD-COD-SW-27-0/1-0	410-224440-10	HU04X46.D	06/05/2025 02:02
HD-COD-SW-28-0/1-0	410-224440-11	HU04X47.D	06/05/2025 02:23
HD-COD-SW-29-0/1-0	410-224440-12	HU04X48.D	06/05/2025 02:44
HD-COD-SW-17-0/1-0	410-224440-8	HU04X55.D	06/05/2025 05:09
HD-COD-SW-17-0/1-0 DL	410-224440-8 DL	HU04X56.D	06/05/2025 05:30
HD-QC1-0/1-1	410-224440-13	HU04X57.D	06/05/2025 05:50
HD-QC1-0/1-1 DL	410-224440-13 DL	HU04X58.D	06/05/2025 06:11

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

Lab File ID: HM31T01.D

BFB Injection Date: 03/31/2025

Instrument ID: 19094

BFB Injection Time: 15:05

Analysis Batch No.: 623992

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.0
75	30.0 - 60.0 % of mass 95	47.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.8
173	Less than 2.0 % of mass 174	0.4 (0.5) 1
174	Greater than 50% of mass 95	78.4
175	5.0 - 9.0 % of mass 174	6.0 (7.6) 1
176	95.0 - 101.0 % of mass 174	75.6 (96.4) 1
177	5.0 - 9.0 % of mass 176	5.3 (7.0) 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 410-623992/13	HM31X12.D	03/31/2025	15:52
	IC 410-623992/14	HM31X13.D	03/31/2025	16:13
	IC 410-623992/15	HM31X14.D	03/31/2025	16:34
	IC 410-623992/16	HM31X15.D	03/31/2025	16:54
	IC 410-623992/17	HM31X16.D	03/31/2025	17:16
	IC 410-623992/18	HM31X17.D	03/31/2025	17:36
	IC 410-623992/19	HM31X18.D	03/31/2025	17:57
	ICIS 410-623992/20	HM31X19.D	03/31/2025	18:18
	IC 410-623992/21	HM31X20.D	03/31/2025	18:38
	ICV 410-623992/23	HM31X22.D	03/31/2025	19:20

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

Lab File ID: HU04T31.D

BFB Injection Date: 06/04/2025

Instrument ID: 19094

BFB Injection Time: 20:34

Analysis Batch No.: 653082

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	16.3
75	30.0 - 60.0 % of mass 95	48.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.1
173	Less than 2.0 % of mass 174	0.7 (0.8) 1
174	Greater than 50% of mass 95	82.7
175	5.0 - 9.0 % of mass 174	6.3 (7.6) 1
176	95.0 - 101.0 % of mass 174	82.5 (99.8) 1
177	5.0 - 9.0 % of mass 176	5.6 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-653082/3	HU04X32.D	06/04/2025	21:08
	LCS 410-653082/4	HU04X33.D	06/04/2025	21:28
	MB 410-653082/6	HU04X35.D	06/04/2025	22:10
HD-QC1-0/1-2	410-224440-14	HU04X36.D	06/04/2025	22:30
HD-COD-SW-16-0/1-0	410-224440-7	HU04X44.D	06/05/2025	1:20
HD-COD-SW-26-0/1-0	410-224440-9	HU04X45.D	06/05/2025	1:41
HD-COD-SW-27-0/1-0	410-224440-10	HU04X46.D	06/05/2025	2:02
HD-COD-SW-28-0/1-0	410-224440-11	HU04X47.D	06/05/2025	2:23
HD-COD-SW-29-0/1-0	410-224440-12	HU04X48.D	06/05/2025	2:44
HD-COD-SW-17-0/1-0	410-224440-8	HU04X55.D	06/05/2025	5:09
HD-COD-SW-17-0/1-0 DL	410-224440-8 DL	HU04X56.D	06/05/2025	5:30
HD-QC1-0/1-1	410-224440-13	HU04X57.D	06/05/2025	5:50
HD-QC1-0/1-1 DL	410-224440-13 DL	HU04X58.D	06/05/2025	6:11

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

Lab File ID: IM17T01.D

BFB Injection Date: 03/17/2025

Instrument ID: 19930

BFB Injection Time: 15:00

Analysis Batch No.: 617959

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.8
75	30.0 - 60.0 % of mass 95	50.8
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	0.9 (1.1) 1
174	Greater than 50% of mass 95	85.1
175	5.0 - 9.0 % of mass 174	6.5 (7.7) 1
176	95.0 - 101.0 % of mass 174	83.7 (98.4) 1
177	5.0 - 9.0 % of mass 176	5.6 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-617959/13	IM17X12.D	03/17/2025	19:05
	IC 410-617959/14	IM17X13.D	03/17/2025	19:25
	IC 410-617959/15	IM17X14.D	03/17/2025	19:46
	IC 410-617959/16	IM17X15.D	03/17/2025	20:07
	IC 410-617959/17	IM17X16.D	03/17/2025	20:28
	IC 410-617959/18	IM17X17.D	03/17/2025	20:49
	ICIS 410-617959/19	IM17X18.D	03/17/2025	21:10
	IC 410-617959/20	IM17X19.D	03/17/2025	21:31
	ICV 410-617959/22	IM17X21.D	03/17/2025	22:13

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

Lab File ID: IU04T05.D

BFB Injection Date: 06/04/2025

Instrument ID: 19930

BFB Injection Time: 12:51

Analysis Batch No.: 652669

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	15.4
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	6.8
173	Less than 2.0 % of mass 174	0.3 (0.3) 1
174	Greater than 50% of mass 95	87.1
175	5.0 - 9.0 % of mass 174	6.6 (7.6) 1
176	95.0 - 101.0 % of mass 174	85.4 (98.1) 1
177	5.0 - 9.0 % of mass 176	5.6 (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 410-652669/3	IU04X12.D	06/04/2025	13:42
	LCS 410-652669/5	IU04X14.D	06/04/2025	14:24
	MB 410-652669/7	copy_IU04X17.D	06/04/2025	15:27
HD-COD-SW-15-0/1-0	410-224440-6	IU04X34.D	06/04/2025	21:41
HD-COD-SW-15-0/1-0 MS MS	410-224440-6 MS	IU04X35.D	06/04/2025	22:02
HD-COD-SW-15-0/1-0 MSD MSD	410-224440-6 MSD	IU04X36.D	06/04/2025	22:23
HD-COD-SW-6-0/1-0	410-224440-1	IU04X38.D	06/04/2025	23:05
HD-COD-SW-7-0/1-0	410-224440-2	IU04X39.D	06/04/2025	23:26
HD-COD-SW-8-0/1-0	410-224440-3	IU04X40.D	06/04/2025	23:47
HD-COD-SW-9-0/1-0	410-224440-4	IU04X41.D	06/05/2025	0:08
HD-COD-SW-13-0/1-0	410-224440-5	IU04X42.D	06/05/2025	0:29

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1
 Environment Testing, LLC

SDG No.: _____

Sample No.: ICIS 410-623992/20 Date Analyzed: 03/31/2025 18:18

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

Lab File ID (Standard): HM31X19.D Heated Purge: (Y/N) N

Calibration ID: 71644

	TBA _d 10		FB		CBZ _d 5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	42040	3.91	2055680	7.39	1458607	10.98	
UPPER LIMIT	84080	4.41	4111360	7.89	2917214	11.48	
LOWER LIMIT	21020	3.41	1027840	6.89	729304	10.48	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-623992/23		58699	3.90	2000681	7.39	1436438	10.98
CCVIS 410-653082/3		59674	3.88	2028232	7.39	1494578	10.98

TBA_d10 = t-Butyl alcohol-d₁₀ (IS)

FB = Fluorobenzene (IS)

CBZ_d5 = Chlorobenzene-d₅ (IS)

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

RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1
 Environment Testing, LLC

SDG No.: _____

Sample No.: ICIS 410-623992/20 Date Analyzed: 03/31/2025 18:18

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

Lab File ID (Standard): HM31X19.D Heated Purge: (Y/N) N

Calibration ID: 71644

	DCBd4					
	AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT	791747	12.89				
UPPER LIMIT	1583494	13.39				
LOWER LIMIT	395874	12.39				
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 410-623992/23		771991	12.89			
CCVIS 410-653082/3		804825	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.: 410-224440-1
Environment Testing, LLC

SDG No.: _____

Sample No.: CCVIS 410-653082/3 Date Analyzed: 06/04/2025 21:08

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

Lab File ID (Standard): HU04X32.D Heated Purge: (Y/N) N

Calibration ID: 71644

	TBA _{d10}		FB		CBZ _{d5}	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	59674	3.88	2028232	7.39	1494578	10.98
UPPER LIMIT	119348	4.38	4056464	7.89	2989156	11.48
LOWER LIMIT	29837	3.38	1014116	6.89	747289	10.48
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 410-653082/4			60596	3.92	2037962	7.39
MB 410-653082/6			55989	3.90	1981573	7.38
410-224440-14	HD-QC1-0/1-2		62122	3.90	2004351	7.38
410-224440-7	HD-COD-SW-16-0/1-0		65249	3.90	1981040	7.39
410-224440-9	HD-COD-SW-26-0/1-0		53585	3.89	1947913	7.39
410-224440-10	HD-COD-SW-27-0/1-0		55731	3.90	1940641	7.38
410-224440-11	HD-COD-SW-28-0/1-0		53467	3.90	1943003	7.38
410-224440-12	HD-COD-SW-29-0/1-0		58300	3.90	1941080	7.39
410-224440-8	HD-COD-SW-17-0/1-0		54363	3.88	1954417	7.38
410-224440-8 DL	HD-COD-SW-17-0/1-0 DL		46177	3.91	1885913	7.38
410-224440-13	HD-QC1-0/1-1		41691	3.92	1922143	7.39
410-224440-13 DL	HD-QC1-0/1-1 DL		51905	3.89	1944595	7.38

TBA_{d10} = t-Butyl alcohol-d₁₀ (IS)

FB = Fluorobenzene (IS)

CBZ_{d5} = Chlorobenzene-d₅ (IS)

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

RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII

Job No.: 410-224440-1

Sample No.: CCVIS 410-653082/3

Date Analyzed: 06/04/2025 21:08

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

Heated Purge: (Y/N) N

Calibration ID: 71644

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		804825	12.88				
UPPER LIMIT		1609650	13.38				
LOWER LIMIT		402413	12.38				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-653082/4		783543	12.88				
MB 410-653082/6		731828	12.89				
410-224440-14	HD-QC1-0/1-2	743361	12.89				
410-224440-7	HD-COD-SW-16-0/1-0	735915	12.88				
410-224440-9	HD-COD-SW-26-0/1-0	704669	12.89				
410-224440-10	HD-COD-SW-27-0/1-0	705881	12.89				
410-224440-11	HD-COD-SW-28-0/1-0	702038	12.89				
410-224440-12	HD-COD-SW-29-0/1-0	715846	12.88				
410-224440-8	HD-COD-SW-17-0/1-0	720984	12.89				
410-224440-8 DL	HD-COD-SW-17-0/1-0 DL	683602	12.89				
410-224440-13	HD-QC1-0/1-1	687962	12.89				
410-224440-13 DL	HD-QC1-0/1-1 DL	702183	12.88				

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = $\pm$ 0.5 minutes of internal standard RT

```
# Column used to flag values outside QC limits
```


FORM VIII

Job No.: 410-224440-1

Sample No.: ICIS 410-617959/19

Date Analyzed: 03/17/2025 21:10

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

Heated Purge: (Y/N) N

Calibration ID: 70829

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		197604	3.87	2528151	7.34	1899624	10.89
UPPER LIMIT		395208	4.37	5056302	7.84	3799248	11.39
LOWER LIMIT		98802	3.37	1264076	6.84	949812	10.39
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-617959/22		214127	3.89	2573554	7.35	1940455	10.89
CCVIS 410-652669/3		203544	3.83	2487629	7.32	1892354	10.90

TBAd10 = t-Butyl alcohol-d10 (IS)

FB = Fluorobenzene (IS)

CBZd5 = Chlorobenzene-d5 (IS)

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

RT Limit = ± 0.5 minutes of internal standard RT

```
# Column used to flag values outside QC limits
```

FORM VIII

Job No.: 410-224440-1

Sample No.: ICIS 410-617959/19

Date Analyzed: 03/17/2025 21:10

GC Column: R-624SilMS 30m

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration ID: 70829

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		1112211	12.79				
UPPER LIMIT		2224422	13.29				
LOWER LIMIT		556106	12.29				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-617959/22		1127957	12.79				
CCVIS 410-652669/3		1118273	12.81				

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = $\pm$ 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.: 410-224440-1
 Environment Testing, LLC

SDG No.: _____

Sample No.: CCVIS 410-652669/3 Date Analyzed: 06/04/2025 13:42

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

Lab File ID (Standard): IU04X12.D Heated Purge: (Y/N) N

Calibration ID: 70829

	TBA _d 10		FB		CBZ _d 5	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	203544	3.83	2487629	7.32	1892354	10.90
UPPER LIMIT	407088	4.33	4975258	7.82	3784708	11.40
LOWER LIMIT	101772	3.33	1243815	6.82	946177	10.40
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 410-652669/5		193251	3.84	2472481	7.32	1825963 10.90
MB 410-652669/7		204211	3.86	2429192	7.32	1844330 10.91
410-224440-6	HD-COD-SW-15-0/1-0	156802	3.83	2110642	7.32	1609615 10.90
410-224440-6 MS	HD-COD-SW-15-0/1-0 MS MS	165681	3.84	2295941	7.32	1713770 10.90
410-224440-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	179955	3.86	2283477	7.32	1707119 10.90
410-224440-1	HD-COD-SW-6-0/1-0	155830	3.85	2105822	7.32	1631950 10.91
410-224440-2	HD-COD-SW-7-0/1-0	137429	3.84	1845272	7.32	1413144 10.91
410-224440-3	HD-COD-SW-8-0/1-0	151937	3.86	2119947	7.32	1651648 10.90
410-224440-4	HD-COD-SW-9-0/1-0	153564	3.83	2065960	7.32	1597021 10.90
410-224440-5	HD-COD-SW-13-0/1-0	145576	3.84	2043764	7.32	1574505 10.90

TBA_d10 = t-Butyl alcohol-d₁₀ (IS)

FB = Fluorobenzene (IS)

CBZ_d5 = Chlorobenzene-d₅ (IS)

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

RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII

Job No.: 410-224440-1

Sample No.: CCVIS 410-652669/3

Date Analyzed: 06/04/2025 13:42

Instrument ID: 19930

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

Lab File ID (Standard): IU04X12.D

Heated Purge: (Y/N) N

Calibration ID: 70829

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		1118273	12.81				
UPPER LIMIT		2236546	13.31				
LOWER LIMIT		559137	12.31				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-652669/5		1069195	12.81				
MB 410-652669/7		1013370	12.82				
410-224440-6	HD-COD-SW-15-0/1-0	890954	12.81				
410-224440-6 MS	HD-COD-SW-15-0/1-0 MS MS	1016590	12.81				
410-224440-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	1000757	12.81				
410-224440-1	HD-COD-SW-6-0/1-0	920526	12.81				
410-224440-2	HD-COD-SW-7-0/1-0	784383	12.82				
410-224440-3	HD-COD-SW-8-0/1-0	914026	12.81				
410-224440-4	HD-COD-SW-9-0/1-0	889382	12.81				
410-224440-5	HD-COD-SW-13-0/1-0	860017	12.81				

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = $\pm$ 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.: 410-224440-1

SDG No.:

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

Lab Sample ID: 410-224440-1

Matrix: Water

Lab File ID: IU04X38.D

Analysis Method: 8260D

Date Collected: 05/27/2025 10:38

Sample wt/vol: 25 (mL)

Date Analyzed: 06/04/2025 23:05

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.: 652669

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

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	^c cn	5.0	1.5
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	^c cn	0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND	^c cn	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.083	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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-6-0/1-0 Lab Sample ID: 410-224440-1

Matrix: Water Lab File ID: IU04X38.D

Analysis Method: 8260D Date Collected: 05/27/2025 10:38

Sample wt/vol: 25 (mL) Date Analyzed: 06/04/2025 23:05

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.: 652669 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 19930

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	0.11	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		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\19930\20250604-149239.b\U04X38.D
 Lims ID: 410-224440-A-1
 Client ID: HD-COD-SW-6-0/1-0
 Sample Type: Client
 Inject. Date: 04-Jun-2025 23:05:30 ALS Bottle#: 28 Worklist Smp#: 28
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0149239-028
 Operator ID: ecr105096 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-Jun-2025 13:20:39 Calib Date: 17-Mar-2025 21:31:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 13:22:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50	1.989	1.983	0.006	94	3419	0.0324	
5 Vinyl chloride	62		2.093				ND	
7 Bromomethane	94		2.392				ND	
8 Chloroethane	64		2.453				ND	7
15 1,1-Dichloroethene	96		3.227				ND	
16 Acetone	43	3.312	3.245	0.067	54	9320	0.9107	
20 Carbon disulfide	76		3.507				ND	7
25 Methylene Chloride	84		3.818				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.849	3.830	0.019	23	155830	50.0	
29 Methyl tert-butyl ether	73		4.190				ND	
30 trans-1,2-Dichloroethene	96		4.202				ND	
32 1,1-Dichloroethane	63		4.855				ND	
38 2-Butanone (MEK)	43		5.665				ND	
39 cis-1,2-Dichloroethene	96	5.738	5.702	0.036	78	6077	0.0832	
46 Chlorobromomethane	128		6.043				ND	
48 Chloroform	83	6.214	6.196	0.018	90	7024	0.0548	
\$ 49 Dibromofluoromethane (Surr)	113	6.427	6.415	0.012	94	529659	10.2	
50 1,1,1-Trichloroethane	97		6.427				ND	
54 Carbon tetrachloride	117		6.641				ND	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.879	6.872	0.006	62	115102	10.9	
57 Benzene	78		6.903				ND	
58 1,2-Dichloroethane	62		6.982				ND	
* 61 Fluorobenzene (IS)	96	7.324	7.317	0.007	99	2105822	10.0	
64 Trichloroethene	95	7.842	7.805	0.037	95	8838	0.1147	
66 1,2-Dichloropropane	63		8.140				ND	
71 Dichlorobromomethane	83		8.494				ND	
76 cis-1,3-Dichloropropene	75		9.061				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.244				ND	7
\$ 78 Toluene-d8 (Surr)	98	9.390	9.384	0.006	93	2138833	9.95	
79 Toluene	92	9.482	9.469	0.013	80	6708	0.0354	
97 trans-1,3-Dichloropropene	75		9.744				ND	
100 1,1,2-Trichloroethane	97		9.957				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.061	10.049	0.012	85	3429	0.0372	
103 2-Hexanone	43		10.183				ND	
105 Chlorodibromomethane	129		10.347				ND	
106 Ethylene Dibromide	107		10.457				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.908	10.902	0.006	84	1631950	10.0	
109 Chlorobenzene	112		10.933				ND	
111 1,1,1,2-Tetrachloroethane	131		11.018				ND	
112 Ethylbenzene	91		11.024				ND	
113 m-Xylene & p-Xylene	106		11.140				ND	7
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.475				ND	
115 Styrene	104		11.493				ND	
116 Bromoform	173		11.652				ND	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	93	760224	9.66	
121 1,1,2,2-Tetrachloroethane	83		12.030				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.810	12.810	0.000	94	920526	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_LLcentISS_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 05-Jun-2025 13:22:04

Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\IU04X38.D

Injection Date: 04-Jun-2025 23:05:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: 410-224440-A-1

Lab Sample ID: 410-224440-1

Worklist Smp#: 28

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

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

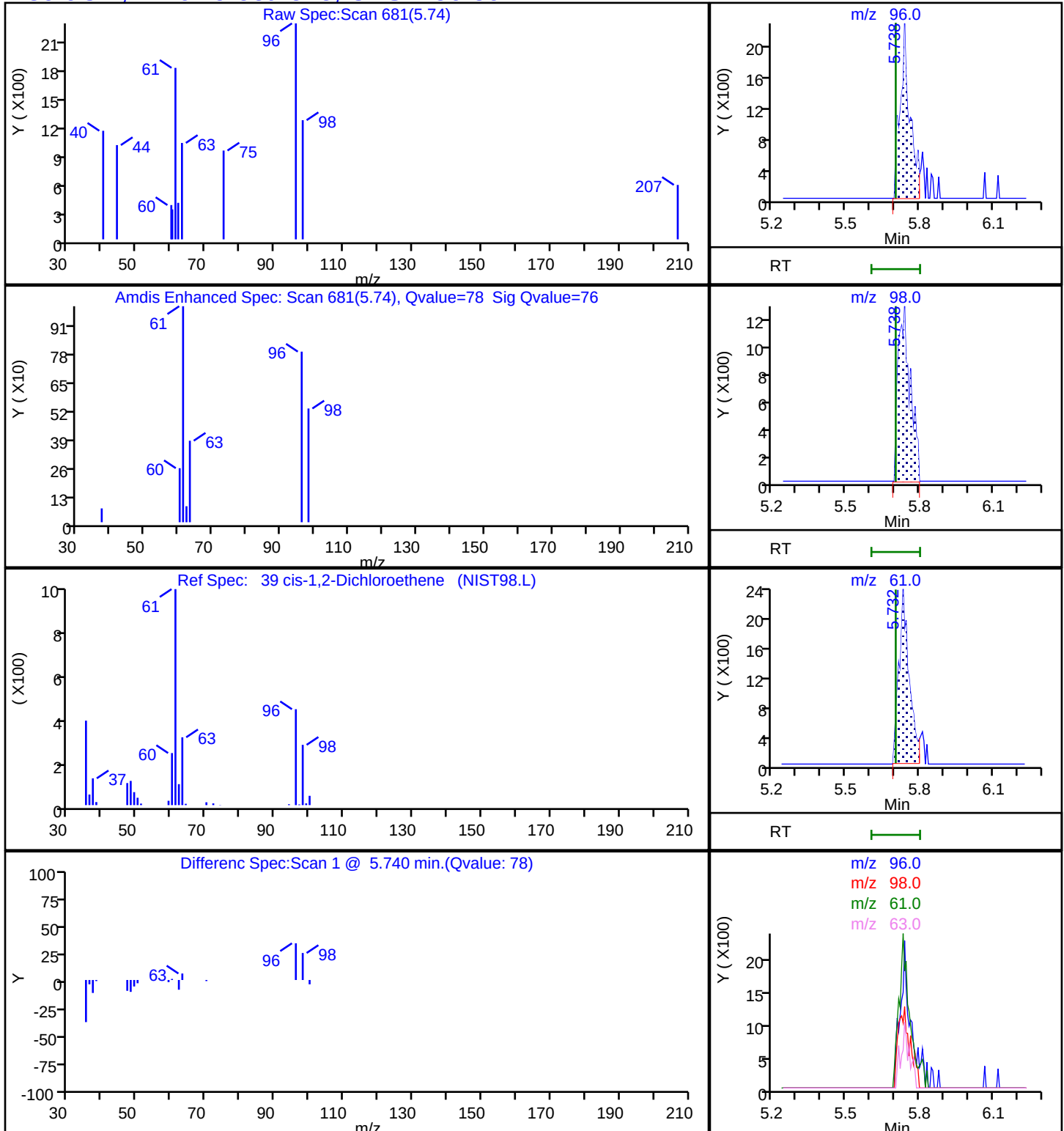
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Lims ID: 410-224440-A-1
Client ID: HD-COD-SW-6-0/1-0
Sample Type: Client
Inject. Date: 04-Jun-2025 23:05:30 ALS Bottle#: 28 Worklist Smp#: 28
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149239-028
Operator ID: ecr105096 Instrument ID: 19930
Method: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 05-Jun-2025 13:20:39 Calib Date: 17-Mar-2025 21:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 13:22:03

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	10.2	101.82
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.9	109.12
\$ 78 Toluene-d8 (Surr)	10.0	9.95	99.48
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.66	96.55

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\IU04X38.D
Injection Date: 04-Jun-2025 23:05:30 Instrument ID: 19930
Lims ID: 410-224440-A-1 Lab Sample ID: 410-224440-1
Client ID: HD-COD-SW-6-0/1-0
Operator ID: ecr105096 ALS Bottle#: 28 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\20250604-149239.b\IU04X38.D

Injection Date: 04-Jun-2025 23:05:30

Instrument ID: 19930

Lims ID: 410-224440-A-1

Lab Sample ID: 410-224440-1

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

Operator ID: ecr105096

ALS Bottle#: 28

Worklist Smp#: 28

Purge Vol: 25.000 mL

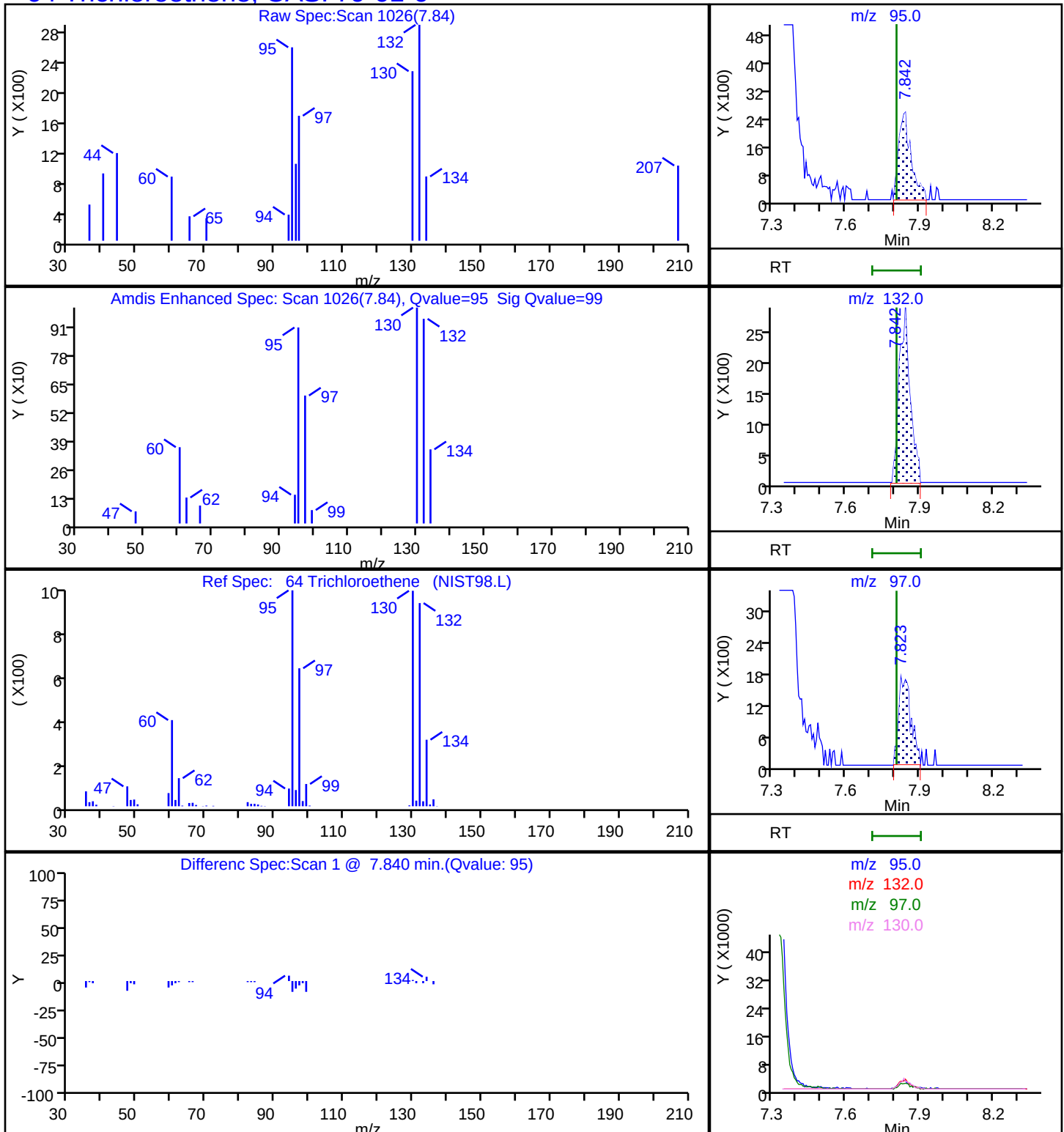
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

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.: 410-224440-1

SDG No.:

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

Lab Sample ID: 410-224440-2

Matrix: Water

Lab File ID: IU04X39.D

Analysis Method: 8260D

Date Collected: 05/27/2025 11:18

Sample wt/vol: 25 (mL)

Date Analyzed: 06/04/2025 23:26

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.: 652669

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

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	^c cn	5.0	1.5
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	^c cn	0.50	0.10
67-66-3	Chloroform	0.099	J	0.50	0.090
74-87-3	Chloromethane	ND	^c cn	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.11	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-7-0/1-0 Lab Sample ID: 410-224440-2

Matrix: Water Lab File ID: IU04X39.D

Analysis Method: 8260D Date Collected: 05/27/2025 11:18

Sample wt/vol: 25 (mL) Date Analyzed: 06/04/2025 23:26

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.: 652669 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 19930

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
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	0.13	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		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\20250604-149239.b\U04X39.D
 Lims ID: 410-224440-A-2
 Client ID: HD-COD-SW-7-0/1-0
 Sample Type: Client
 Inject. Date: 04-Jun-2025 23:26:30 ALS Bottle#: 29 Worklist Smp#: 29
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0149239-029
 Operator ID: ecr105096 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-Jun-2025 13:22:35 Calib Date: 17-Mar-2025 21:31:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 13:22:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		1.983				ND	
5 Vinyl chloride	62		2.093				ND	
7 Bromomethane	94		2.392				ND	
8 Chloroethane	64		2.453				ND	7
15 1,1-Dichloroethene	96		3.227				ND	
16 Acetone	43	3.294	3.245	0.049	60	10096	1.12	
20 Carbon disulfide	76	3.519	3.507	0.012	94	8883	0.0533	
25 Methylene Chloride	84		3.818				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.842	3.830	0.012	22	137429	50.0	
29 Methyl tert-butyl ether	73		4.190				ND	
30 trans-1,2-Dichloroethene	96		4.202				ND	
32 1,1-Dichloroethane	63		4.855				ND	
38 2-Butanone (MEK)	43		5.665				ND	7
39 cis-1,2-Dichloroethene	96	5.745	5.702	0.043	77	6789	0.1060	a
46 Chlorobromomethane	128		6.043				ND	
48 Chloroform	83	6.220	6.196	0.024	92	11063	0.0986	
\$ 49 Dibromofluoromethane (Surr)	113	6.427	6.415	0.012	94	465485	10.2	
50 1,1,1-Trichloroethane	97		6.427				ND	
54 Carbon tetrachloride	117		6.641				ND	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.878	6.872	0.006	62	97826	10.6	
57 Benzene	78		6.903				ND	
58 1,2-Dichloroethane	62		6.982				ND	
* 61 Fluorobenzene (IS)	96	7.324	7.317	0.007	99	1845272	10.0	
64 Trichloroethene	95	7.836	7.805	0.031	95	8963	0.1328	
66 1,2-Dichloropropane	63		8.140				ND	
71 Dichlorobromomethane	83		8.494				ND	
76 cis-1,3-Dichloropropene	75		9.061				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.244				ND	7
\$ 78 Toluene-d8 (Surr)	98	9.390	9.384	0.006	93	1822542	9.79	
79 Toluene	92	9.488	9.469	0.019	97	6538	0.0399	
97 trans-1,3-Dichloropropene	75		9.744				ND	
100 1,1,2-Trichloroethane	97		9.957				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.067	10.049	0.018	85	5704	0.0714	
103 2-Hexanone	43		10.183				ND	
105 Chlorodibromomethane	129		10.347				ND	
106 Ethylene Dibromide	107		10.457				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.908	10.902	0.006	84	1413144	10.0	
109 Chlorobenzene	112		10.933				ND	
111 1,1,1,2-Tetrachloroethane	131		11.018				ND	
112 Ethylbenzene	91		11.024				ND	
113 m-Xylene & p-Xylene	106		11.140				ND	7
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.475				ND	
115 Styrene	104		11.493				ND	
116 Bromoform	173		11.652				ND	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	93	638380	9.36	
121 1,1,2,2-Tetrachloroethane	83		12.030				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.816	12.810	0.006	93	784383	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

MSV_LLcentISS_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 05-Jun-2025 13:22:36

Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\IU04X39.D

Injection Date: 04-Jun-2025 23:26:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: 410-224440-A-2

Lab Sample ID: 410-224440-2

Worklist Smp#: 29

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

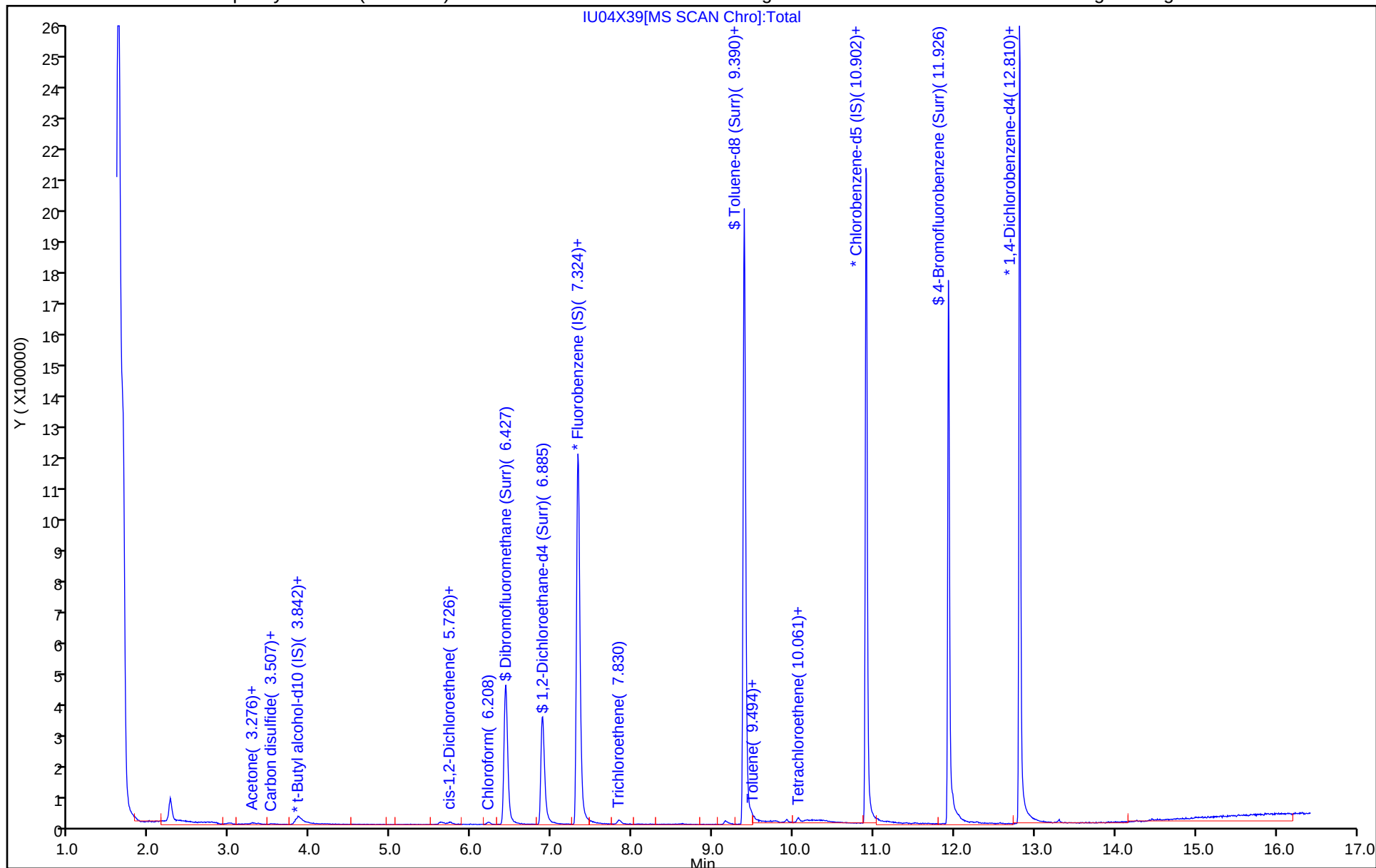
ALS Bottle#: 29

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\20250604-149239.b\IU04X39.D
Lims ID: 410-224440-A-2
Client ID: HD-COD-SW-7-0/1-0
Sample Type: Client
Inject. Date: 04-Jun-2025 23:26:30 ALS Bottle#: 29 Worklist Smp#: 29
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149239-029
Operator ID: ecr105096 Instrument ID: 19930
Method: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 05-Jun-2025 13:22:35 Calib Date: 17-Mar-2025 21:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 13:22:35

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	10.2	102.12
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.6	105.84
\$ 78 Toluene-d8 (Surr)	10.0	9.79	97.90
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.36	93.63

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\IU04X39.D

Injection Date: 04-Jun-2025 23:26:30

Instrument ID: 19930

Lims ID: 410-224440-A-2

Lab Sample ID: 410-224440-2

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

Operator ID: ecr105096

ALS Bottle#: 29

Worklist Smp#: 29

Purge Vol: 25.000 mL

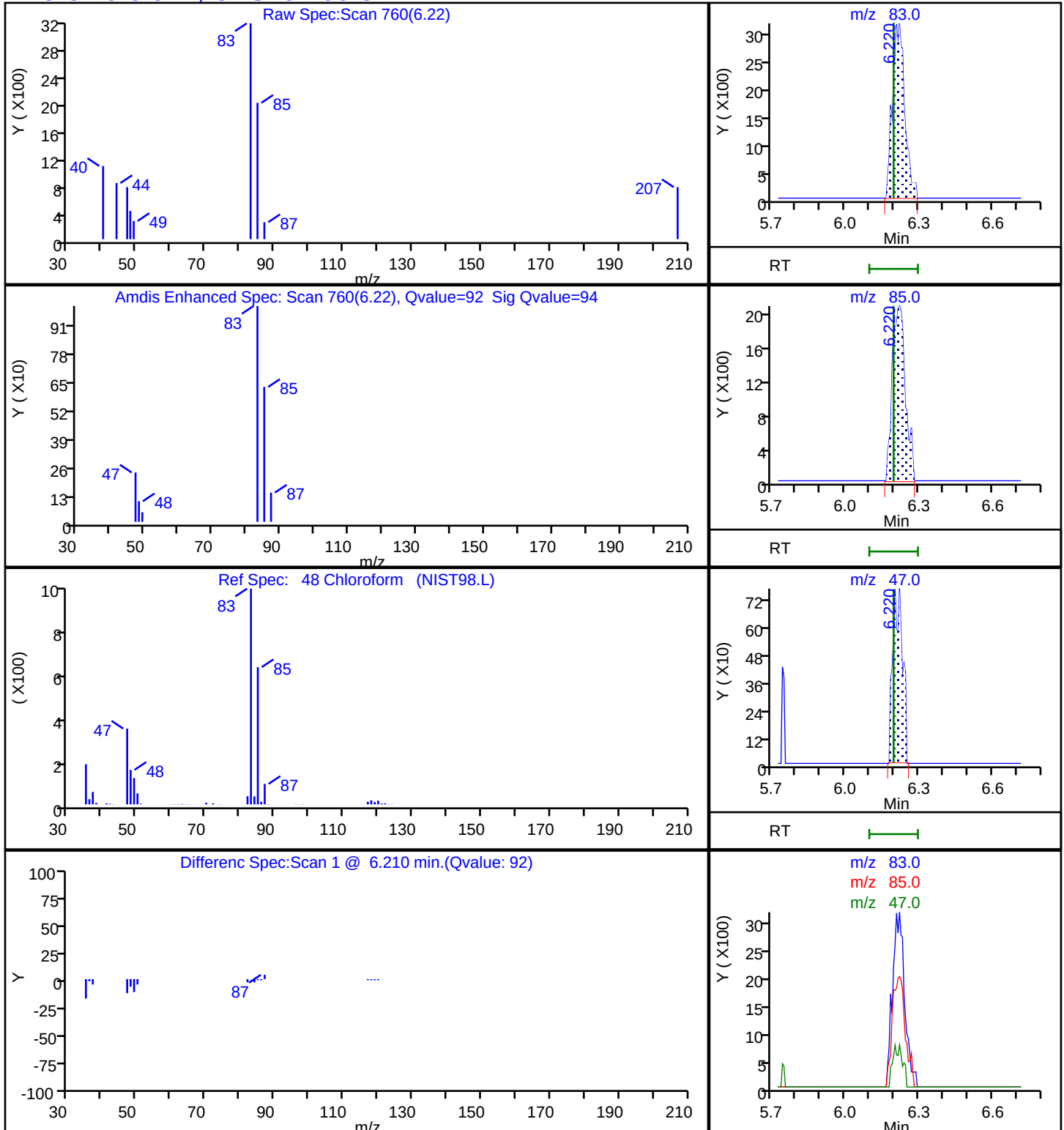
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 100m

MS Quad

48 Chloroform, CAS: 67-66-3

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\U04X39.D

Injection Date: 04-Jun-2025 23:26:30

Instrument ID: 19930

Lims ID: 410-224440-A-2

Lab Sample ID: 410-224440-2

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

Operator ID: ecr105096

ALS Bottle#: 29

Worklist Smp#: 29

Purge Vol: 25.000 mL

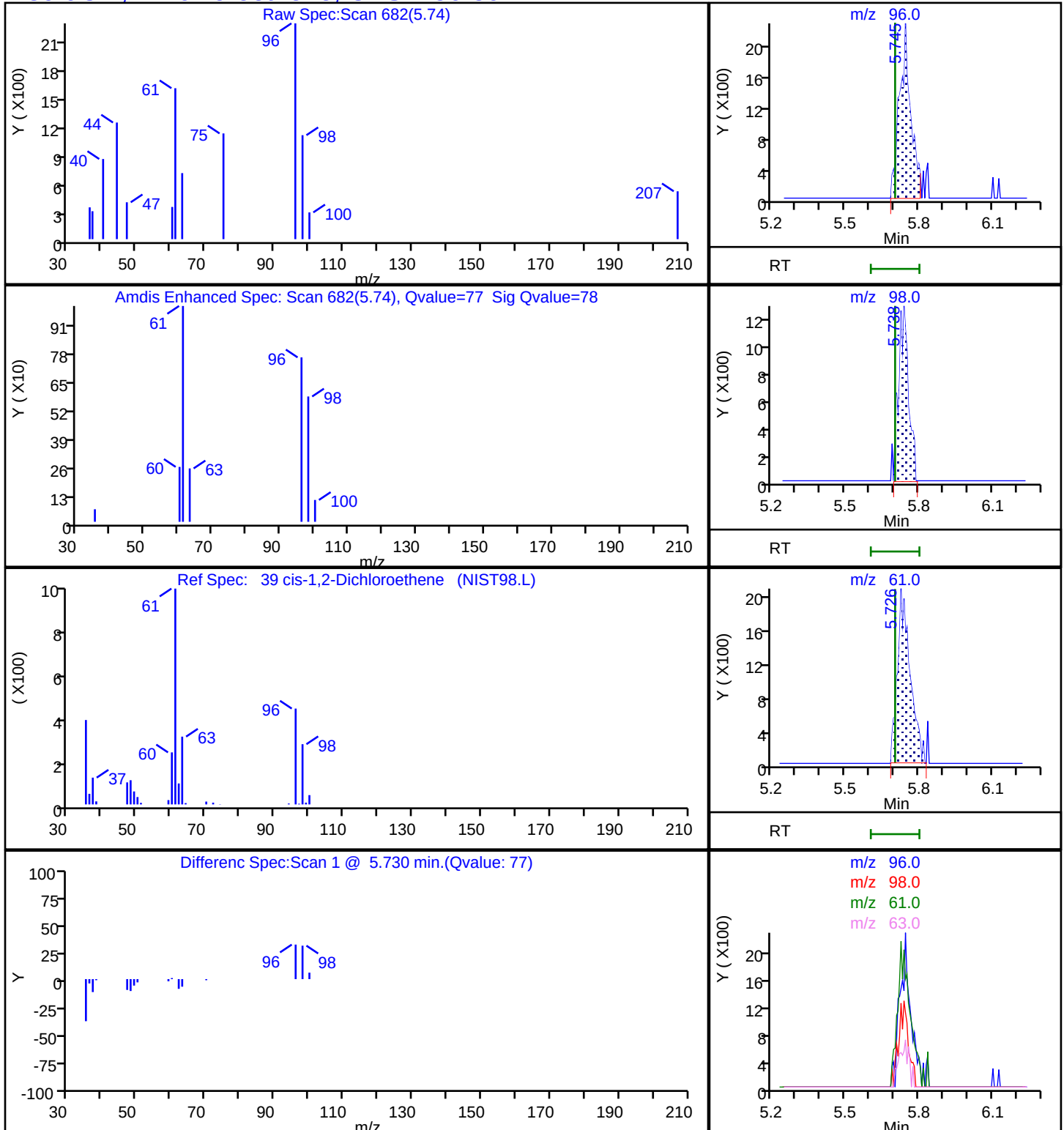
Dil. Factor: 1.0000

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\20250604-149239.b\IU04X39.D

Injection Date: 04-Jun-2025 23:26:30

Instrument ID: 19930

Lims ID: 410-224440-A-2

Lab Sample ID: 410-224440-2

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

Operator ID: ecr105096

ALS Bottle#: 29

Worklist Smp#: 29

Purge Vol: 25.000 mL

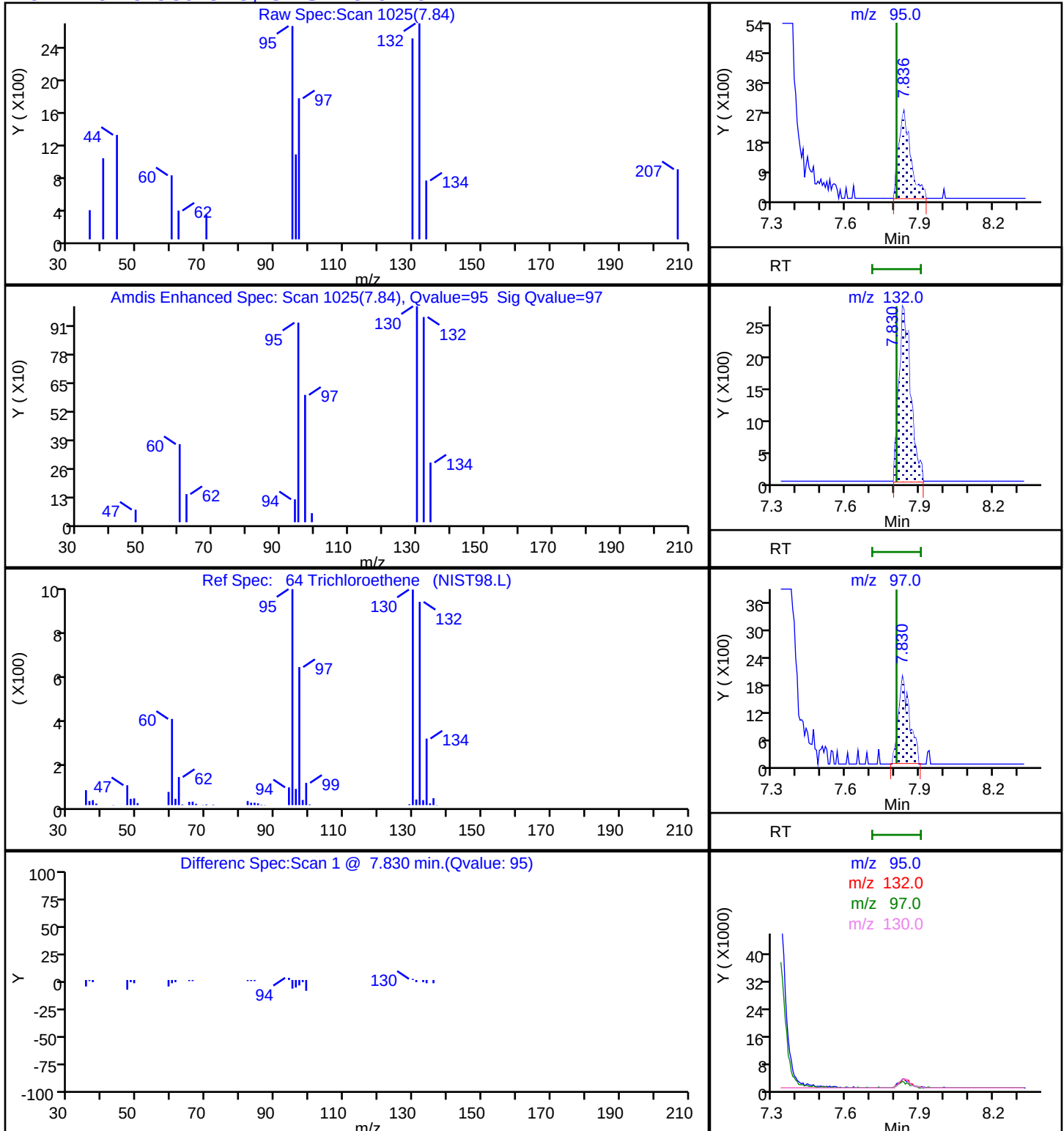
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

64 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

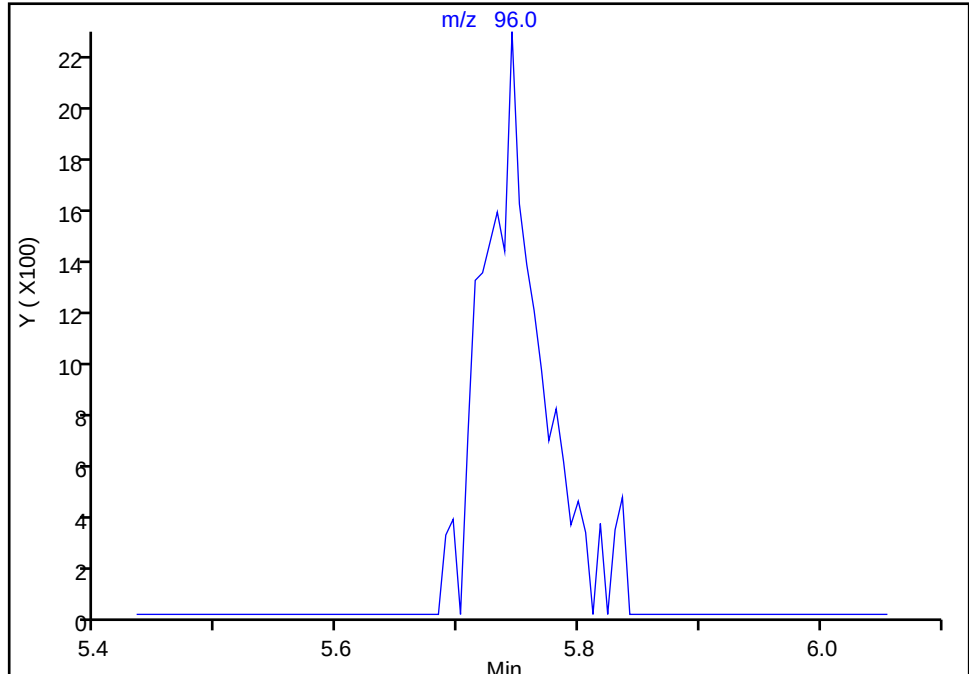
Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\IU04X39.D
Injection Date: 04-Jun-2025 23:26:30 Instrument ID: 19930
Lims ID: 410-224440-A-2 Lab Sample ID: 410-224440-2
Client ID: HD-COD-SW-7-0/1-0
Operator ID: ecr105096 ALS Bottle#: 29 Worklist Smp#: 29
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

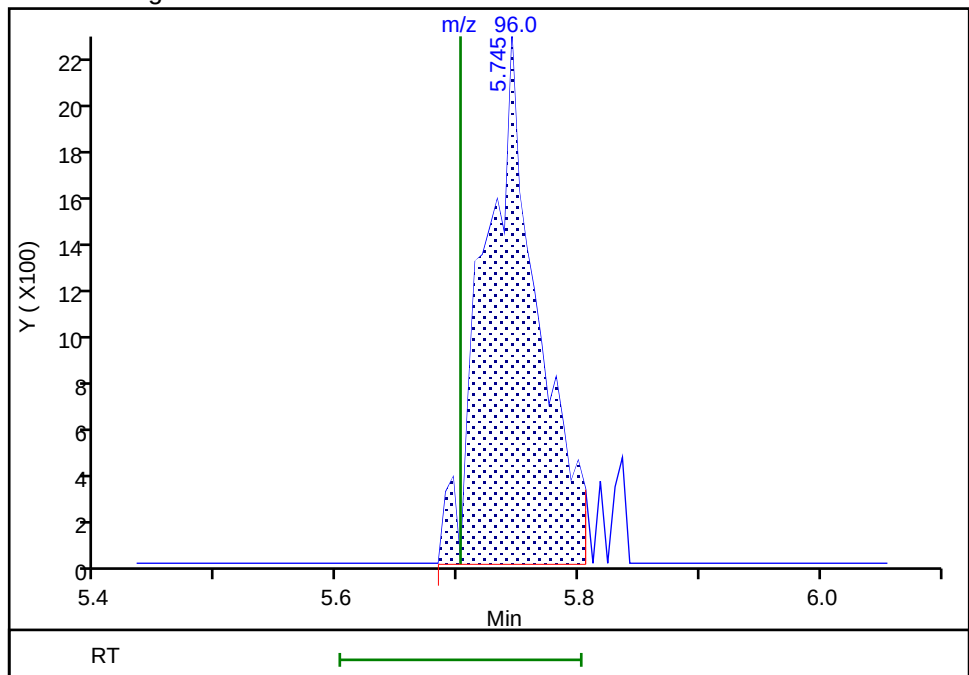
Not Detected
Expected RT: 5.70

Processing Integration Results



RT: 5.74
Area: 6789
Amount: 0.106045
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 05-Jun-2025 13:22:19 07:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

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

Lab Sample ID: 410-224440-3

Matrix: Water

Lab File ID: IU04X40.D

Analysis Method: 8260D

Date Collected: 05/27/2025 09:30

Sample wt/vol: 25 (mL)

Date Analyzed: 06/04/2025 23:47

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 652669

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

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	^c cn	5.0	1.5
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	^c cn	0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND	^c cn	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.11	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.64		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-8-0/1-0 Lab Sample ID: 410-224440-3

Matrix: Water Lab File ID: IU04X40.D

Analysis Method: 8260D Date Collected: 05/27/2025 09:30

Sample wt/vol: 25 (mL) Date Analyzed: 06/04/2025 23:47

Soil Aliquot Vol: _____ Dilution Factor: 1

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

Purge Volume: 25.0 (mL) Heated Purge: (Y/N) N pH: _____

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

Analysis Batch No.: 652669 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 19930

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
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	0.14	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)	109		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\U04X40.D
 Lims ID: 410-224440-A-3
 Client ID: HD-COD-SW-8-0/1-0
 Sample Type: Client
 Inject. Date: 04-Jun-2025 23:47:30 ALS Bottle#: 30 Worklist Smp#: 30
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0149239-030
 Operator ID: ecr105096 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-Jun-2025 13:23:12 Calib Date: 17-Mar-2025 21:31:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 13:23:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50	1.983	1.983	0.000	83	3274	0.0308	
5 Vinyl chloride	62		2.093				ND	
7 Bromomethane	94		2.392				ND	
8 Chloroethane	64		2.453				ND	7
15 1,1-Dichloroethene	96		3.227				ND	7
16 Acetone	43	3.306	3.245	0.061	56	9899	0.99	
20 Carbon disulfide	76		3.507				ND	7
25 Methylene Chloride	84		3.818				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.855	3.830	0.025	23	151937	50.0	
29 Methyl tert-butyl ether	73		4.190				ND	
30 trans-1,2-Dichloroethene	96		4.202				ND	
32 1,1-Dichloroethane	63		4.855				ND	
38 2-Butanone (MEK)	43		5.665				ND	
39 cis-1,2-Dichloroethene	96	5.720	5.702	0.018	76	7730	0.1051	a
46 Chlorobromomethane	128		6.043				ND	
48 Chloroform	83	6.226	6.196	0.030	91	7347	0.0570	
\$ 49 Dibromofluoromethane (Surr)	113	6.427	6.415	0.012	94	539246	10.3	
50 1,1,1-Trichloroethane	97	6.440	6.427	0.013	56	4787	0.0434	
54 Carbon tetrachloride	117		6.641				ND	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.879	6.872	0.007	62	116056	10.9	
57 Benzene	78		6.903				ND	
58 1,2-Dichloroethane	62		6.982				ND	
* 61 Fluorobenzene (IS)	96	7.324	7.317	0.007	99	2119947	10.0	
64 Trichloroethene	95	7.836	7.805	0.031	87	11058	0.1426	
66 1,2-Dichloropropane	63		8.140				ND	
71 Dichlorobromomethane	83		8.494				ND	
76 cis-1,3-Dichloropropene	75		9.061				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.244				ND	7
\$ 78 Toluene-d8 (Surr)	98	9.390	9.384	0.006	93	2156241	9.91	
79 Toluene	92	9.482	9.469	0.013	96	6892	0.0360	
97 trans-1,3-Dichloropropene	75		9.744				ND	
100 1,1,2-Trichloroethane	97		9.957				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.055	10.049	0.006	96	60026	0.6431	
103 2-Hexanone	43		10.183				ND	
105 Chlorodibromomethane	129		10.347				ND	
106 Ethylene Dibromide	107		10.457				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.902	10.902	0.000	84	1651648	10.0	
109 Chlorobenzene	112		10.933				ND	
111 1,1,1,2-Tetrachloroethane	131		11.018				ND	
112 Ethylbenzene	91		11.024				ND	
113 m-Xylene & p-Xylene	106		11.140				ND	7
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.475				ND	
115 Styrene	104		11.493				ND	
116 Bromoform	173		11.652				ND	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	93	743393	9.33	
121 1,1,2,2-Tetrachloroethane	83		12.030				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.810	12.810	0.000	94	914026	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

MSV_LLcentISS_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 05-Jun-2025 13:23:13

Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\IU04X40.D

Injection Date: 04-Jun-2025 23:47:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: 410-224440-A-3

Lab Sample ID: 410-224440-3

Worklist Smp#: 30

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 30

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\20250604-149239.b\IU04X40.D
Lims ID: 410-224440-A-3
Client ID: HD-COD-SW-8-0/1-0
Sample Type: Client
Inject. Date: 04-Jun-2025 23:47:30 ALS Bottle#: 30 Worklist Smp#: 30
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149239-030
Operator ID: ecr105096 Instrument ID: 19930
Method: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 05-Jun-2025 13:23:12 Calib Date: 17-Mar-2025 21:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 13:23:12

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	10.3	102.97
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.9	109.29
\$ 78 Toluene-d8 (Surr)	10.0	9.91	99.10
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.33	93.29

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\IU04X40.D

Injection Date: 04-Jun-2025 23:47:30

Instrument ID: 19930

Lims ID: 410-224440-A-3

Lab Sample ID: 410-224440-3

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

Operator ID: ecr105096

ALS Bottle#: 30

Worklist Smp#: 30

Purge Vol: 25.000 mL

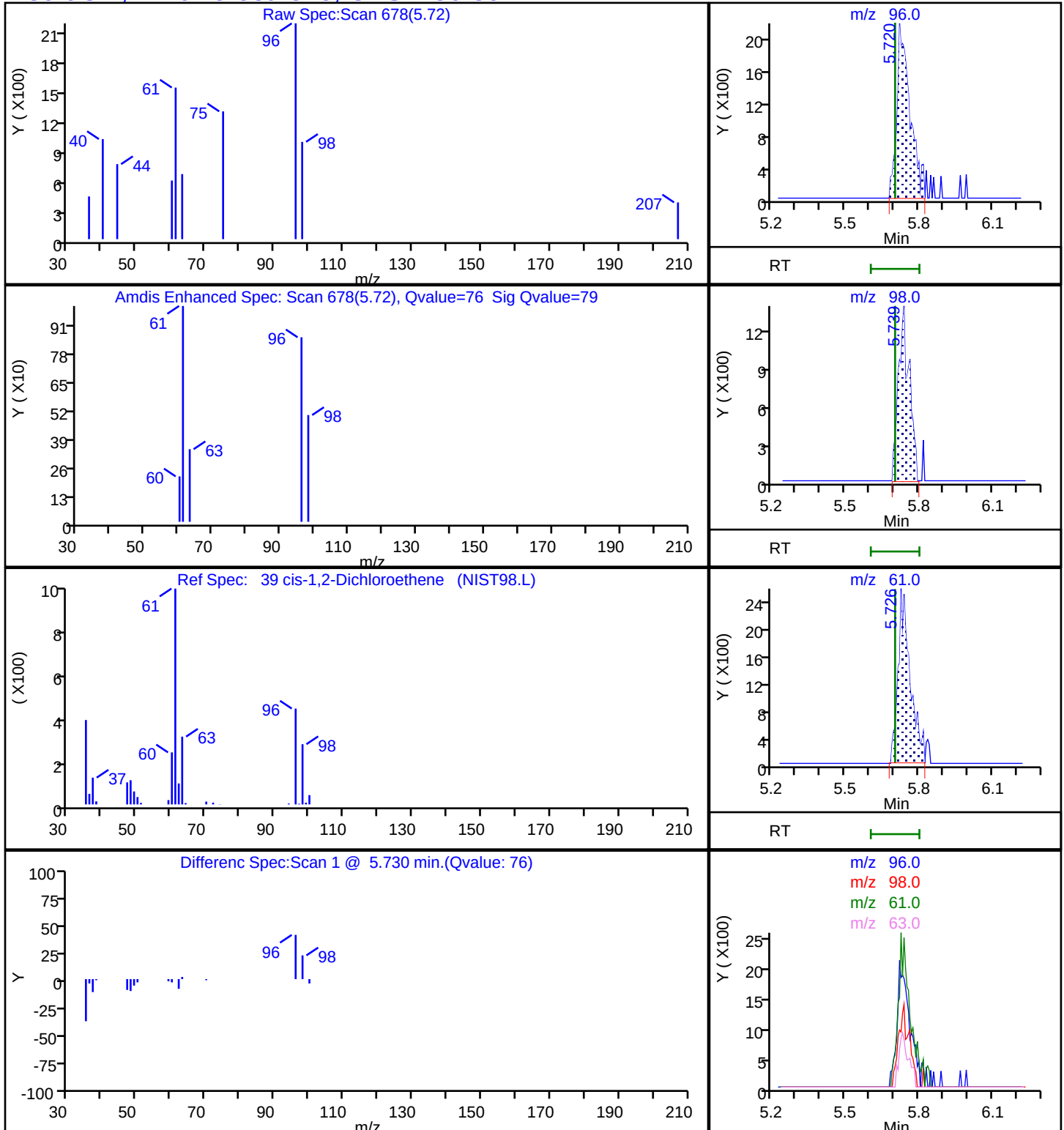
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

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

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\U04X40.D

Injection Date: 04-Jun-2025 23:47:30

Instrument ID: 19930

Lims ID: 410-224440-A-3

Lab Sample ID: 410-224440-3

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

Operator ID: ecr105096

ALS Bottle#: 30

Worklist Smp#: 30

Purge Vol: 25.000 mL

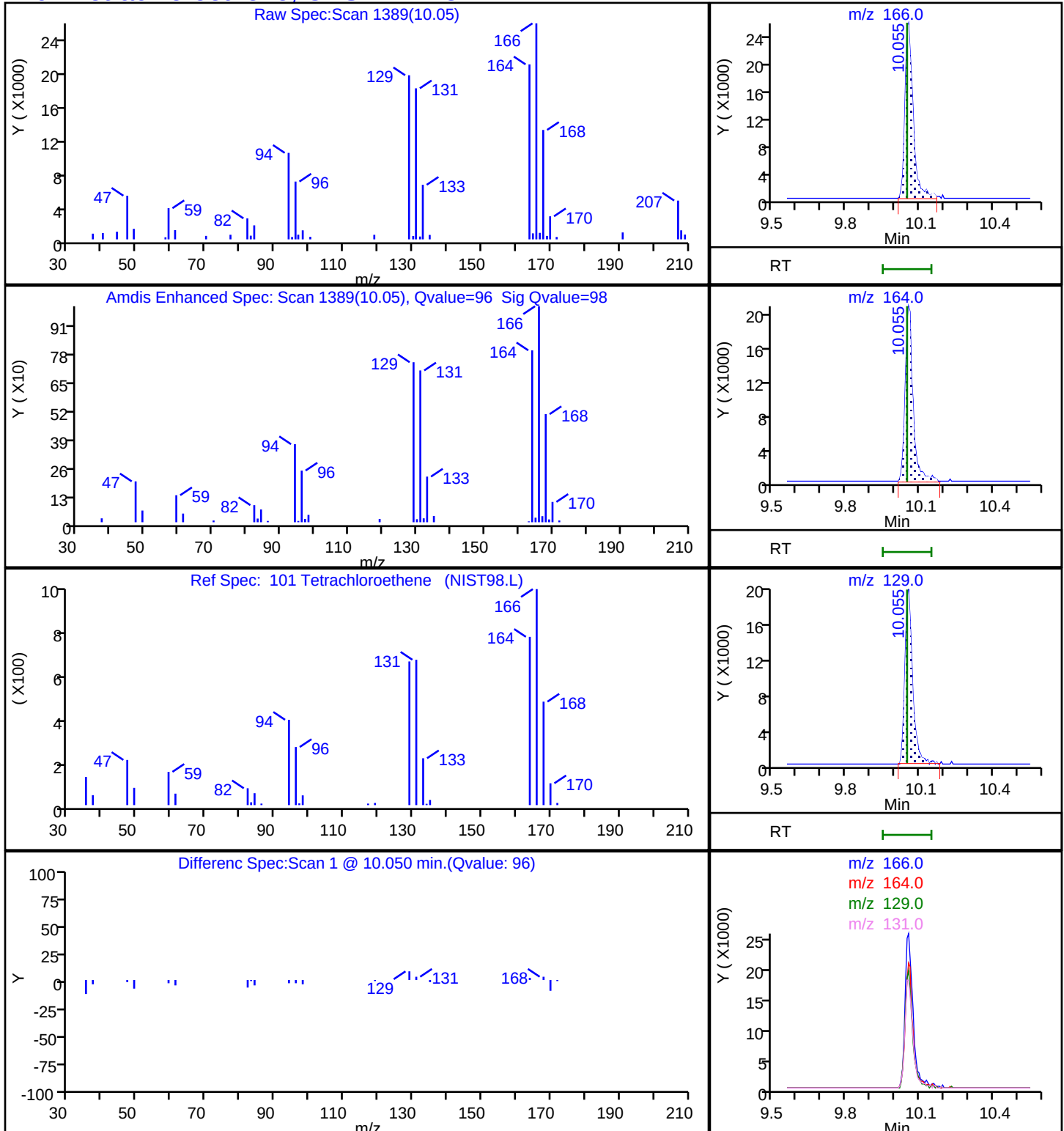
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

101 Tetrachloroethene, CAS: 127-18-4

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\U04X40.D

Injection Date: 04-Jun-2025 23:47:30

Instrument ID: 19930

Lims ID: 410-224440-A-3

Lab Sample ID: 410-224440-3

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

Operator ID: ecr105096

ALS Bottle#: 30

Worklist Smp#: 30

Purge Vol: 25.000 mL

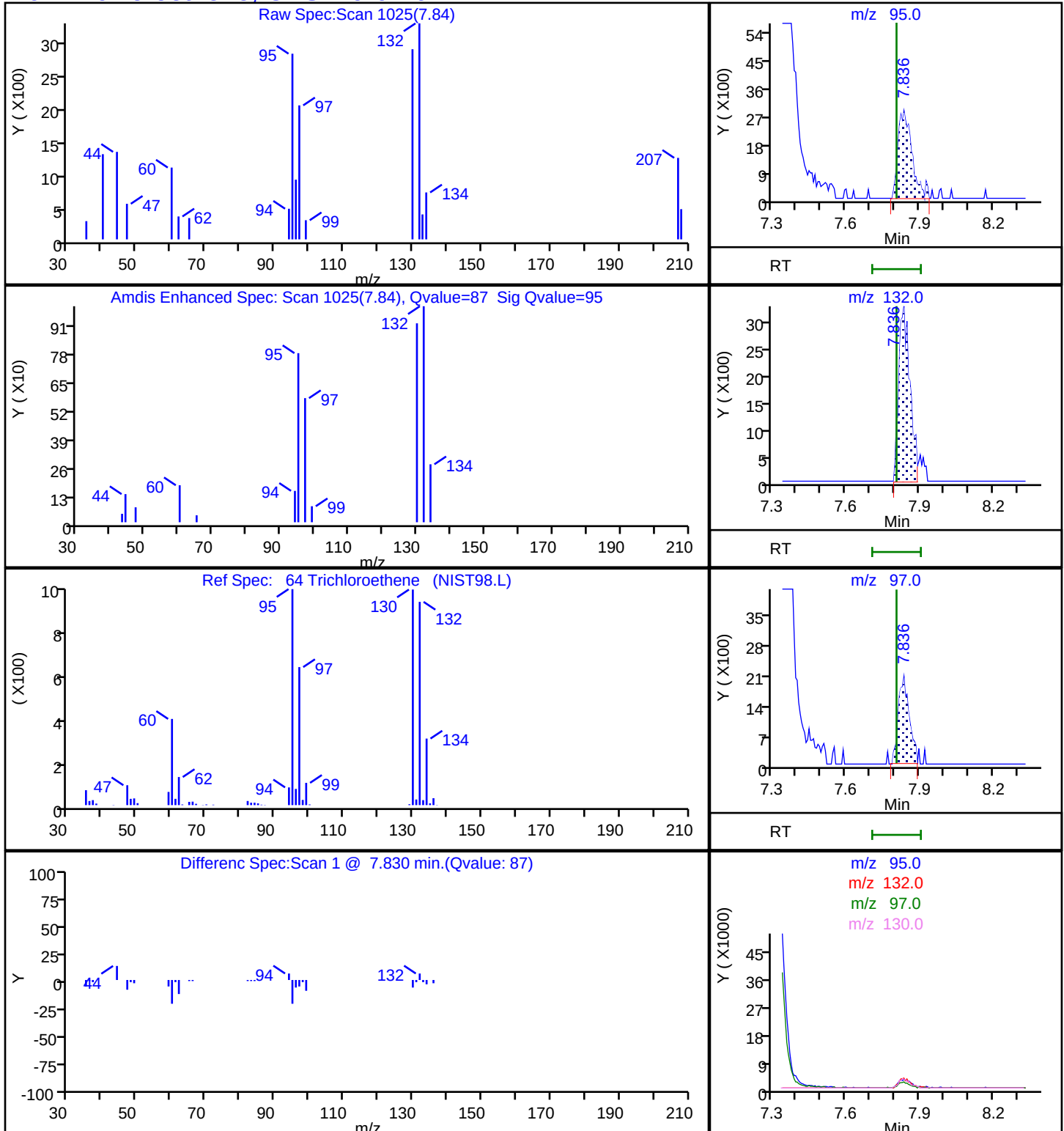
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

64 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

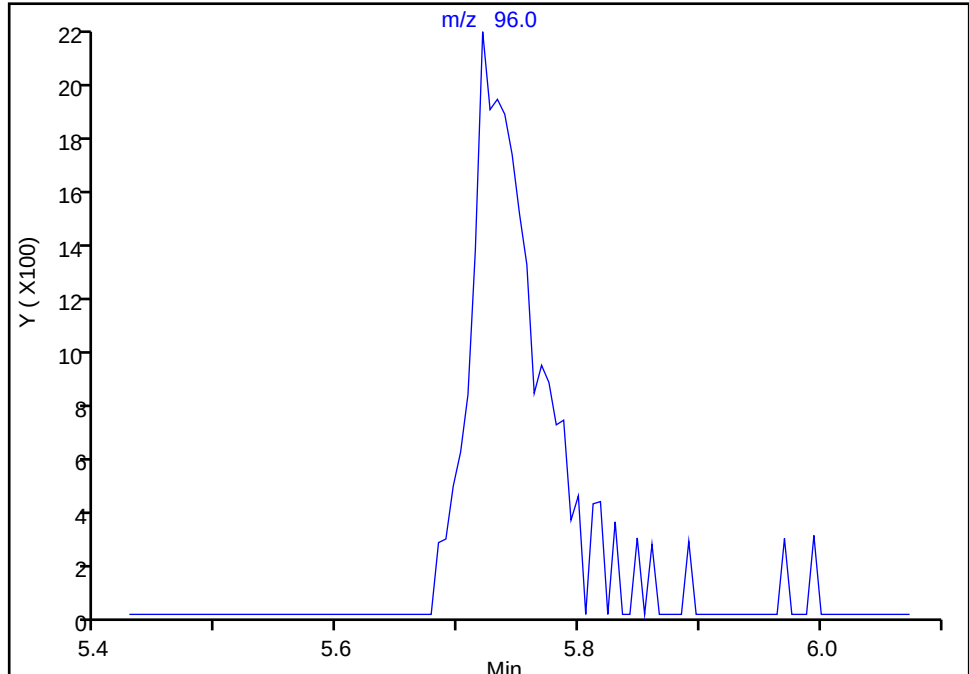
Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\U04X40.D
Injection Date: 04-Jun-2025 23:47:30 Instrument ID: 19930
Lims ID: 410-224440-A-3 Lab Sample ID: 410-224440-3
Client ID: HD-COD-SW-8-0/1-0
Operator ID: ecr105096 ALS Bottle#: 30 Worklist Smp#: 30
Purge Vol: 25.000 mL Dil. Factor: 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

Signal: 1

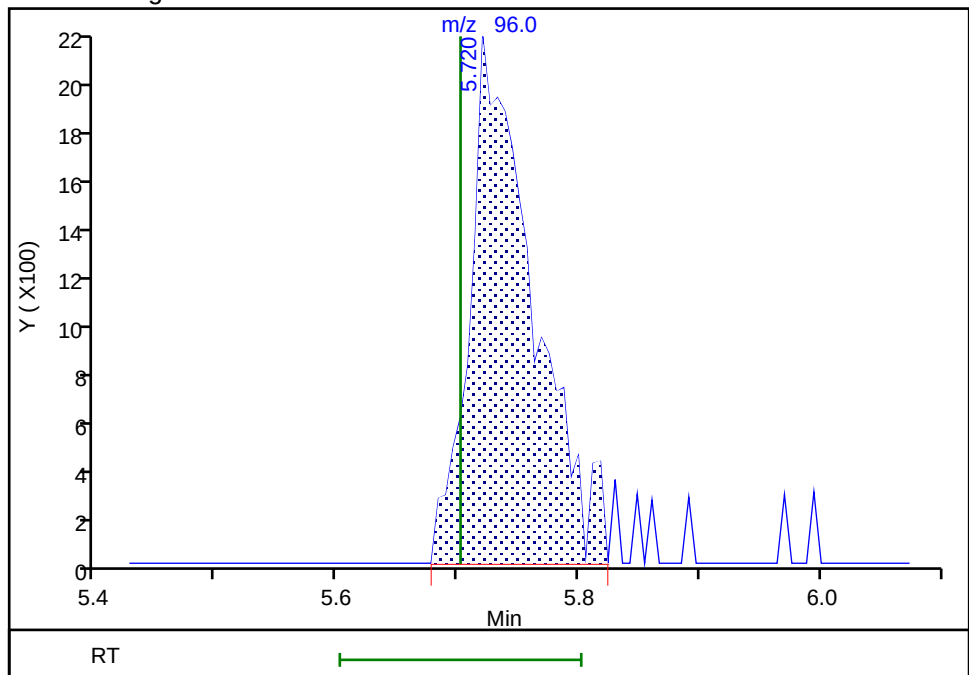
Not Detected
Expected RT: 5.70

Processing Integration Results



RT: 5.72
Area: 7730
Amount: 0.105099
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 05-Jun-2025 13:22:54 07:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

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

Lab Sample ID: 410-224440-4

Matrix: Water

Lab File ID: IU04X41.D

Analysis Method: 8260D

Date Collected: 05/27/2025 12:45

Sample wt/vol: 25 (mL)

Date Analyzed: 06/05/2025 00:08

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 652669

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

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	^c cn	5.0	1.5
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	^c cn	0.50	0.10
67-66-3	Chloroform	0.15	J	0.50	0.090
74-87-3	Chloromethane	ND	^c cn	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.26	J	0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-9-0/1-0 Lab Sample ID: 410-224440-4

Matrix: Water Lab File ID: IU04X41.D

Analysis Method: 8260D Date Collected: 05/27/2025 12:45

Sample wt/vol: 25 (mL) Date Analyzed: 06/05/2025 00:08

Soil Aliquot Vol: _____ Dilution Factor: 1

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

Purge Volume: 25.0 (mL) Heated Purge: (Y/N) N pH: _____

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

Analysis Batch No.: 652669 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 19930

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
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	0.090	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		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\20250604-149239.b\U04X41.D
 Lims ID: 410-224440-A-4
 Client ID: HD-COD-SW-9-0/1-0
 Sample Type: Client
 Inject. Date: 05-Jun-2025 00:08:30 ALS Bottle#: 31 Worklist Smp#: 31
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0149239-031
 Operator ID: ecr105096 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-Jun-2025 13:23:42 Calib Date: 17-Mar-2025 21:31:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 13:23:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		1.983				ND	7
5 Vinyl chloride	62		2.093				ND	
7 Bromomethane	94		2.392				ND	
8 Chloroethane	64		2.453				ND	
15 1,1-Dichloroethene	96		3.227				ND	7
16 Acetone	43	3.306	3.245	0.061	61	12240	1.21	
20 Carbon disulfide	76	3.513	3.507	0.006	94	7130	0.0382	
25 Methylene Chloride	84		3.818				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.830	3.830	0.000	23	153564	50.0	
29 Methyl tert-butyl ether	73		4.190				ND	
30 trans-1,2-Dichloroethene	96		4.202				ND	
32 1,1-Dichloroethane	63		4.855				ND	
38 2-Butanone (MEK)	43		5.665				ND	
39 cis-1,2-Dichloroethene	96	5.732	5.702	0.030	17	5100	0.0712	a
46 Chlorobromomethane	128		6.043				ND	
48 Chloroform	83	6.208	6.196	0.012	89	18591	0.1479	
\$ 49 Dibromofluoromethane (Surr)	113	6.421	6.415	0.006	94	532762	10.4	
50 1,1,1-Trichloroethane	97		6.427				ND	7
54 Carbon tetrachloride	117		6.641				ND	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.879	6.872	0.007	62	110303	10.7	
57 Benzene	78		6.903				ND	
58 1,2-Dichloroethane	62		6.982				ND	
* 61 Fluorobenzene (IS)	96	7.318	7.317	0.001	99	2065960	10.0	
64 Trichloroethene	95	7.830	7.805	0.025	94	6780	0.0897	
66 1,2-Dichloropropane	63		8.140				ND	
71 Dichlorobromomethane	83		8.494				ND	7
76 cis-1,3-Dichloropropene	75		9.061				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.244				ND	7
\$ 78 Toluene-d8 (Surr)	98	9.384	9.384	0.000	93	2081393	9.89	
79 Toluene	92	9.482	9.469	0.013	98	12943	0.0698	
97 trans-1,3-Dichloropropene	75		9.744				ND	
100 1,1,2-Trichloroethane	97		9.957				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.055	10.049	0.006	97	23045	0.2553	
103 2-Hexanone	43		10.183				ND	7
105 Chlorodibromomethane	129		10.347				ND	
106 Ethylene Dibromide	107		10.457				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.902	10.902	0.000	84	1597021	10.0	
109 Chlorobenzene	112		10.933				ND	
111 1,1,1,2-Tetrachloroethane	131		11.018				ND	
112 Ethylbenzene	91		11.024				ND	
113 m-Xylene & p-Xylene	106		11.140				ND	7
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.475				ND	
115 Styrene	104		11.493				ND	
116 Bromoform	173		11.652				ND	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	93	728888	9.46	
121 1,1,2,2-Tetrachloroethane	83		12.030				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.810	12.810	0.000	94	889382	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

MSV_LLcentISS_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 05-Jun-2025 13:23:43

Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\IU04X41.D

Injection Date: 05-Jun-2025 00:08:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: 410-224440-A-4

Lab Sample ID: 410-224440-4

Worklist Smp#: 31

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

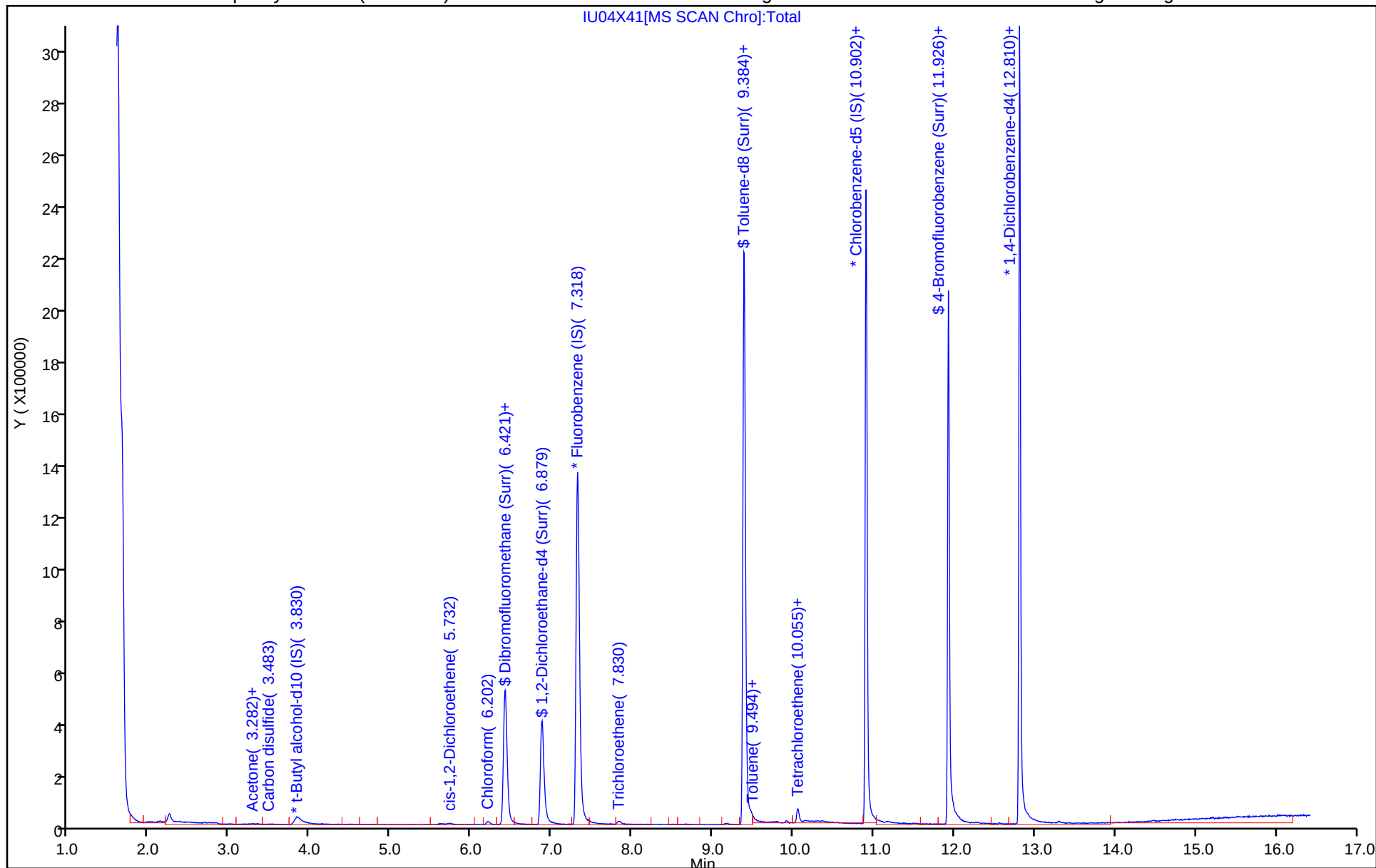
ALS Bottle#: 31

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\20250604-149239.b\IU04X41.D
Lims ID: 410-224440-A-4
Client ID: HD-COD-SW-9-0/1-0
Sample Type: Client
Inject. Date: 05-Jun-2025 00:08:30 ALS Bottle#: 31 Worklist Smp#: 31
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149239-031
Operator ID: ecr105096 Instrument ID: 19930
Method: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 05-Jun-2025 13:23:42 Calib Date: 17-Mar-2025 21:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 13:23:42

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	10.4	104.40
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.7	106.59
\$ 78 Toluene-d8 (Surr)	10.0	9.89	98.93
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.46	94.60

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\U04X41.D

Injection Date: 05-Jun-2025 00:08:30

Instrument ID: 19930

Lims ID: 410-224440-A-4

Lab Sample ID: 410-224440-4

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

Operator ID: ecr105096

ALS Bottle#: 31

Worklist Smp#: 31

Purge Vol: 25.000 mL

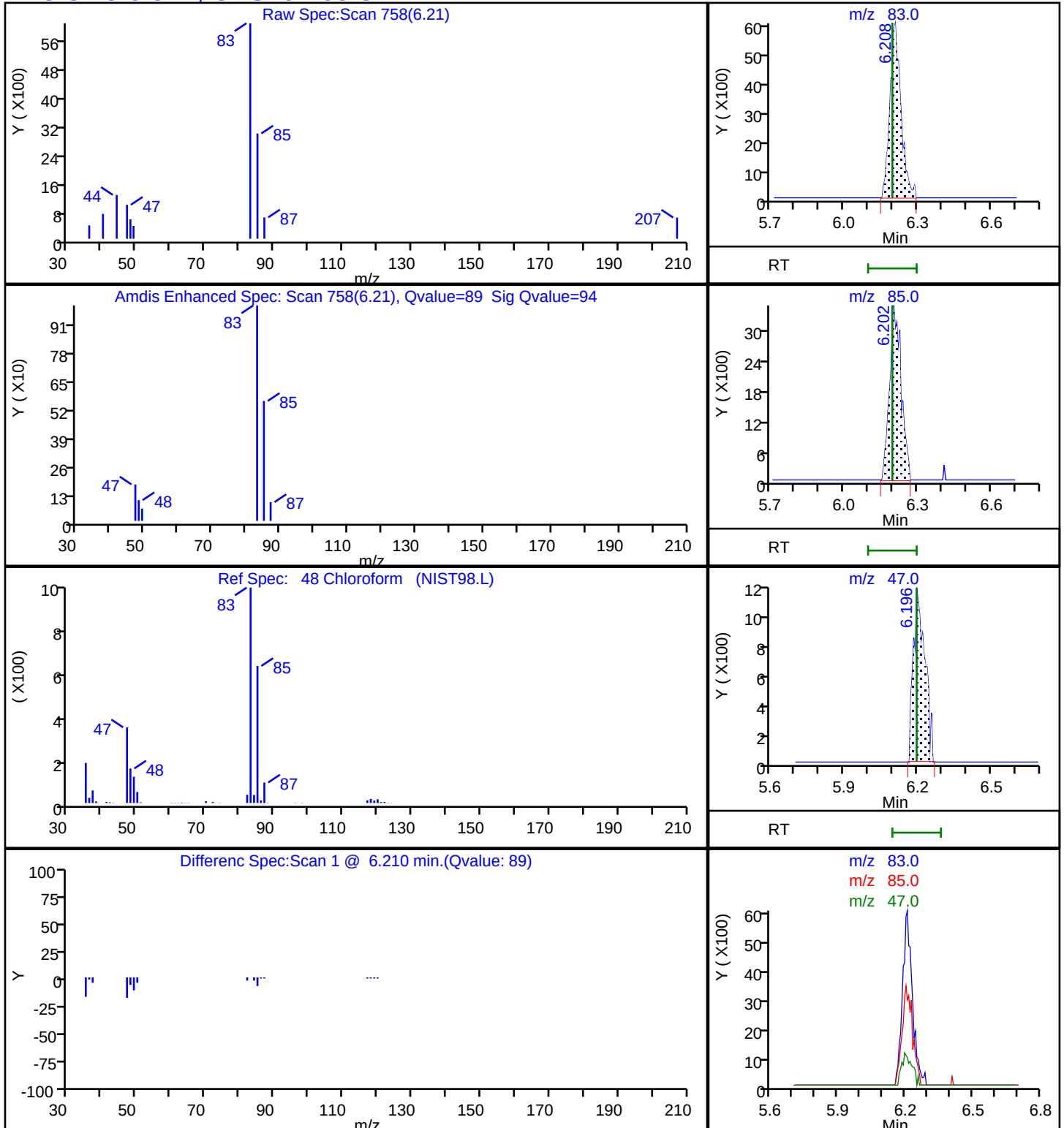
Dil. Factor: 1.0000

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\U04X41.D

Injection Date: 05-Jun-2025 00:08:30

Instrument ID: 19930

Lims ID: 410-224440-A-4

Lab Sample ID: 410-224440-4

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

Operator ID: ecr105096

ALS Bottle#: 31

Worklist Smp#: 31

Purge Vol: 25.000 mL

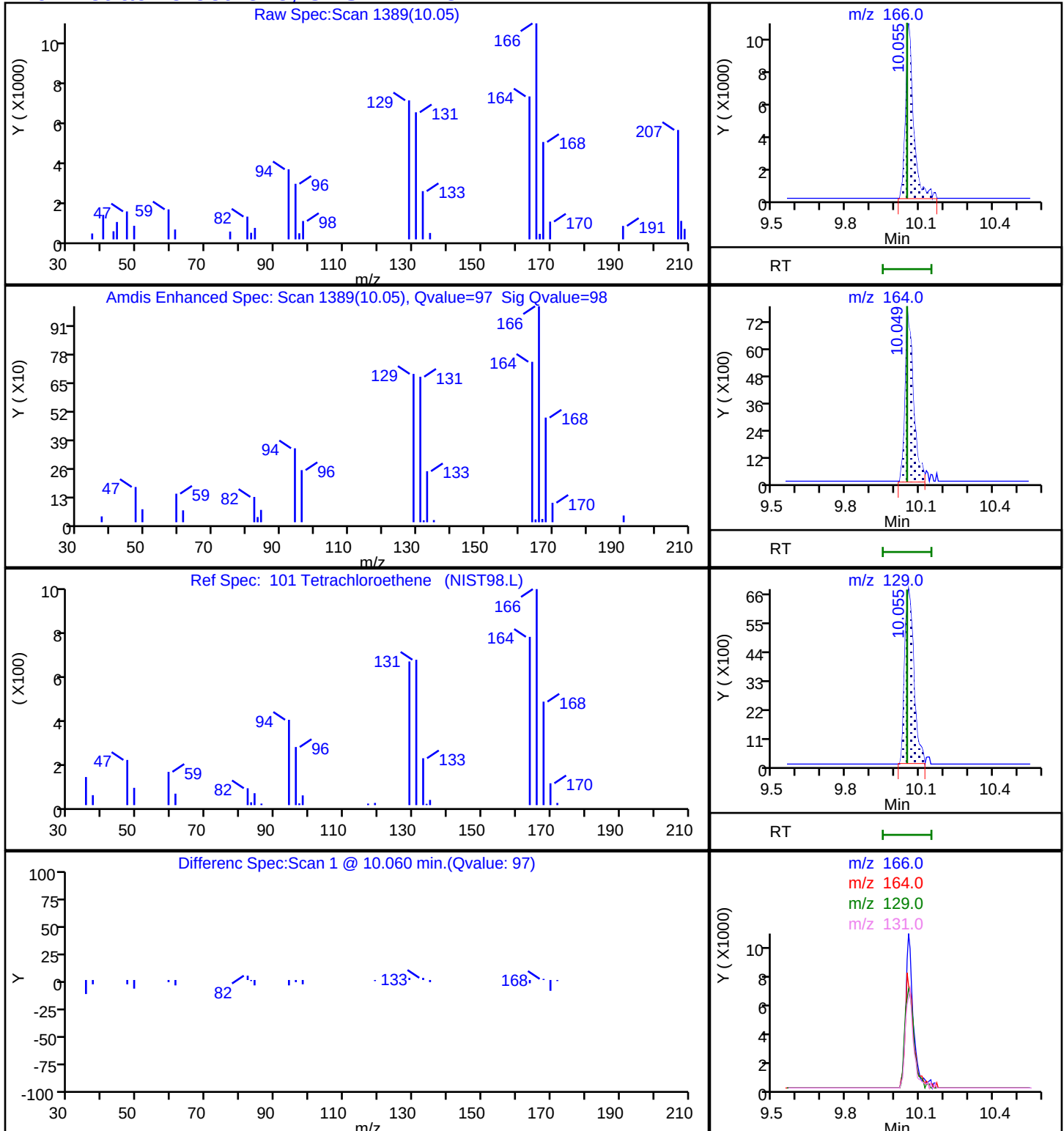
Dil. Factor: 1.0000

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\20250604-149239.b\U04X41.D

Injection Date: 05-Jun-2025 00:08:30

Instrument ID: 19930

Lims ID: 410-224440-A-4

Lab Sample ID: 410-224440-4

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

Operator ID: ecr105096

ALS Bottle#: 31

Worklist Smp#: 31

Purge Vol: 25.000 mL

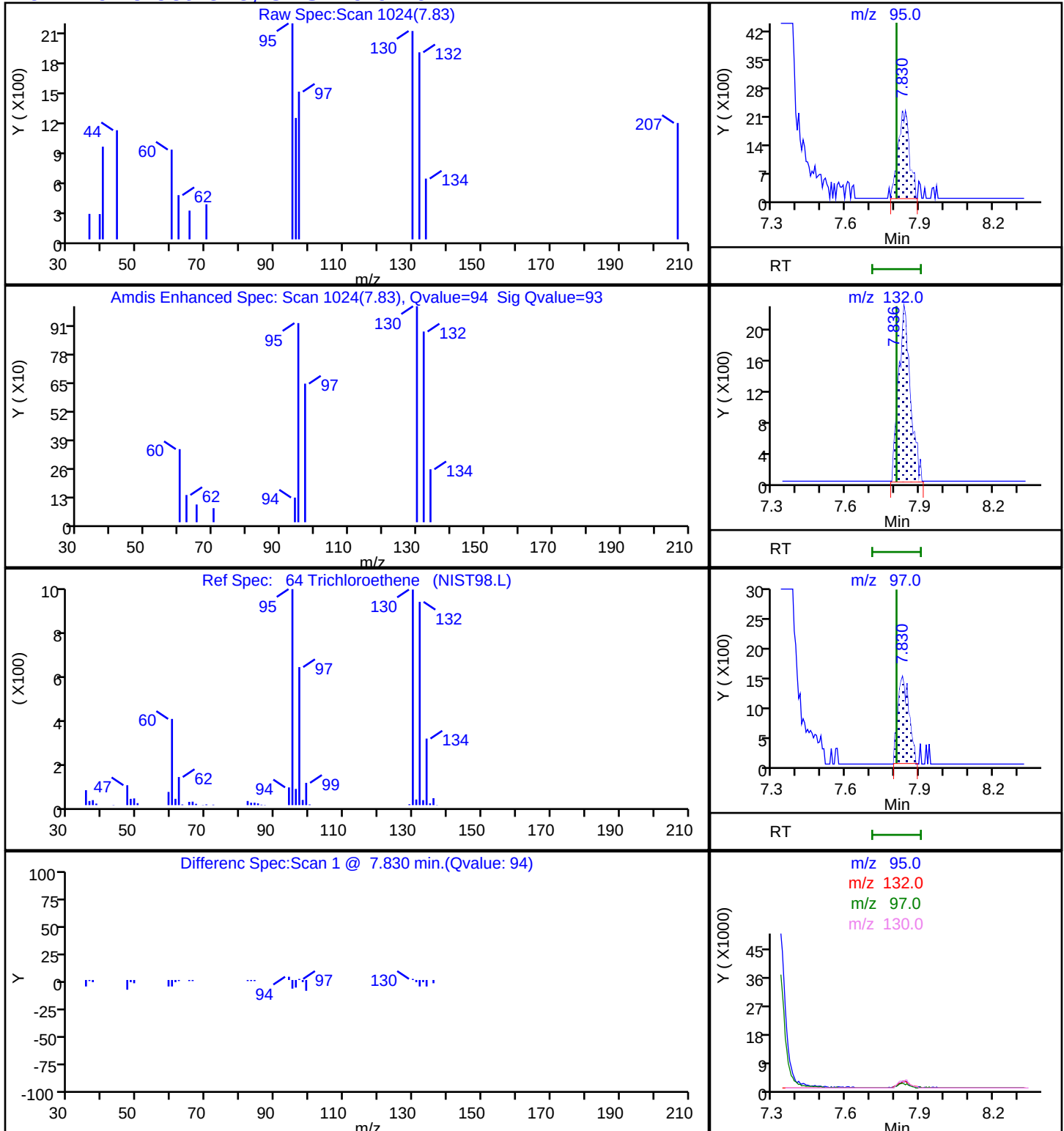
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

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

MS Quad

64 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

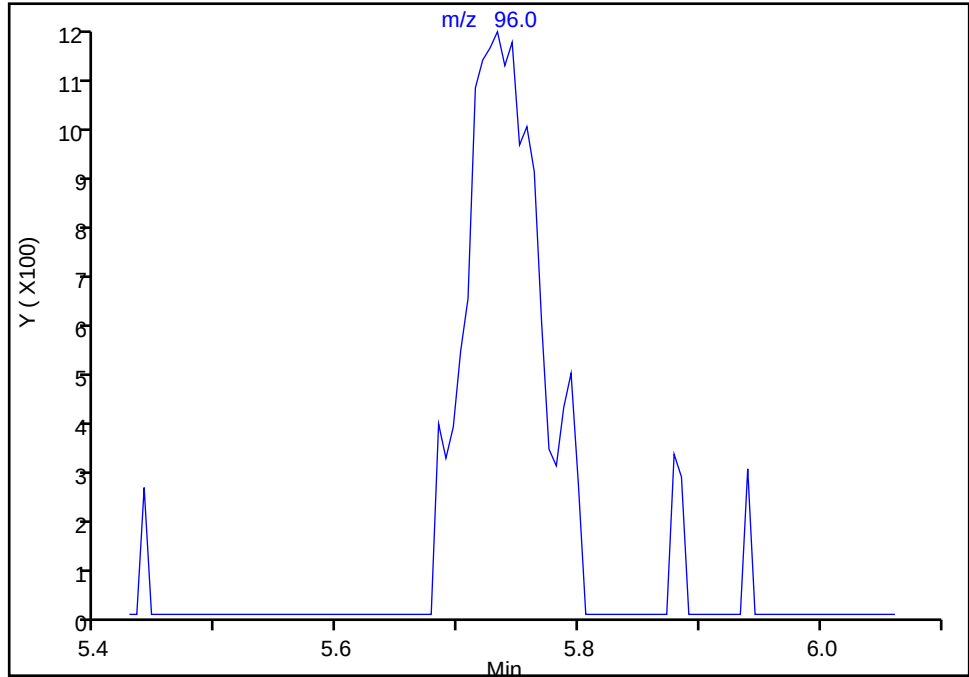
Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\IU04X41.D
Injection Date: 05-Jun-2025 00:08:30 Instrument ID: 19930
Lims ID: 410-224440-A-4 Lab Sample ID: 410-224440-4
Client ID: HD-COD-SW-9-0/1-0
Operator ID: ecr105096 ALS Bottle#: 31 Worklist Smp#: 31
Purge Vol: 25.000 mL Dil. Factor: 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

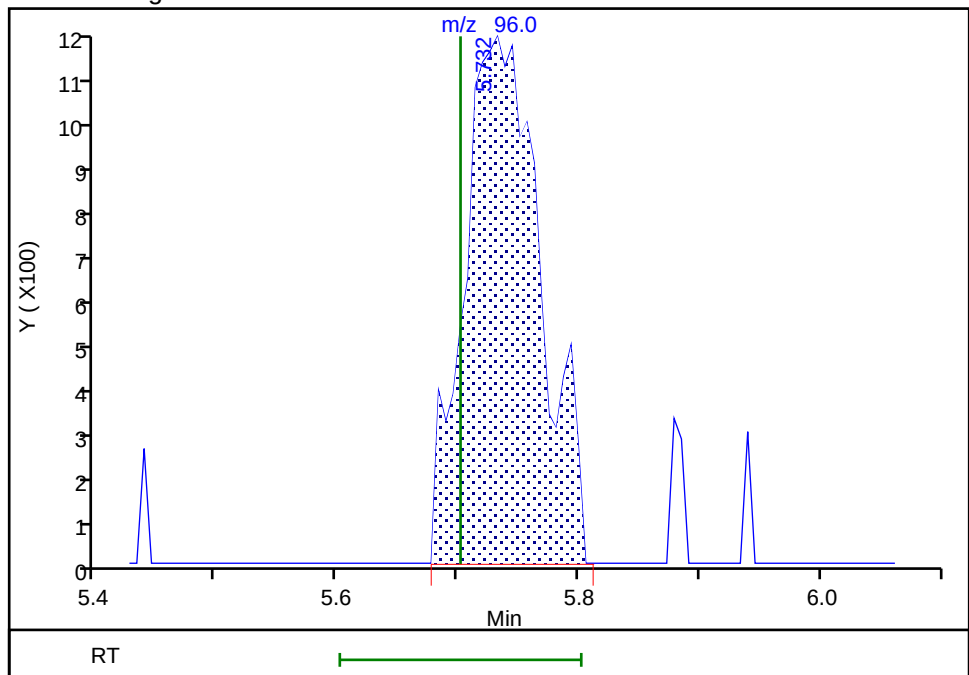
Not Detected
Expected RT: 5.70

Processing Integration Results



Manual Integration Results

RT: 5.73
Area: 5100
Amount: 0.071153
Amount Units: ug/l



Reviewer: FQ4L, 05-Jun-2025 13:23:29 07:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

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

Lab Sample ID: 410-224440-5

Matrix: Water

Lab File ID: IU04X42.D

Analysis Method: 8260D

Date Collected: 05/27/2025 09:42

Sample wt/vol: 25 (mL)

Date Analyzed: 06/05/2025 00:29

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.: 652669

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

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	^c cn	5.0	1.5
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	^c cn	0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND	^c cn	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.11	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.85		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-13-0/1-0 Lab Sample ID: 410-224440-5

Matrix: Water Lab File ID: IU04X42.D

Analysis Method: 8260D Date Collected: 05/27/2025 09:42

Sample wt/vol: 25 (mL) Date Analyzed: 06/05/2025 00:29

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.: 652669 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 19930

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
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	0.14	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		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\20250604-149239.b\U04X42.D
 Lims ID: 410-224440-A-5
 Client ID: HD-COD-SW-13-0/1-0
 Sample Type: Client
 Inject. Date: 05-Jun-2025 00:29:30 ALS Bottle#: 32 Worklist Smp#: 32
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0149239-032
 Operator ID: ecr105096 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-Jun-2025 13:24:14 Calib Date: 17-Mar-2025 21:31:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 13:24:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		1.983				ND	7
5 Vinyl chloride	62		2.093				ND	7
7 Bromomethane	94		2.392				ND	
8 Chloroethane	64		2.453				ND	7
15 1,1-Dichloroethene	96		3.227				ND	
16 Acetone	43	3.294	3.245	0.049	63	10068	1.05	
20 Carbon disulfide	76	3.513	3.507	0.006	94	10986	0.0595	
25 Methylene Chloride	84		3.818				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.836	3.830	0.006	22	145576	50.0	
29 Methyl tert-butyl ether	73		4.190				ND	
30 trans-1,2-Dichloroethene	96		4.202				ND	
32 1,1-Dichloroethane	63		4.855				ND	
38 2-Butanone (MEK)	43		5.665				ND	7
39 cis-1,2-Dichloroethene	96	5.745	5.702	0.042	75	7492	0.1057	a
46 Chlorobromomethane	128		6.043				ND	
48 Chloroform	83	6.208	6.196	0.012	90	6621	0.0533	
\$ 49 Dibromofluoromethane (Surr)	113	6.421	6.415	0.006	94	523860	10.4	
50 1,1,1-Trichloroethane	97	6.433	6.427	0.006	47	7746	0.0728	
54 Carbon tetrachloride	117		6.641				ND	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.872	6.872	0.000	62	109953	10.7	
57 Benzene	78		6.903				ND	7
58 1,2-Dichloroethane	62		6.982				ND	
* 61 Fluorobenzene (IS)	96	7.317	7.317	0.000	99	2043764	10.0	
64 Trichloroethene	95	7.836	7.805	0.031	93	10355	0.1385	
66 1,2-Dichloropropane	63		8.140				ND	
71 Dichlorobromomethane	83		8.494				ND	
76 cis-1,3-Dichloropropene	75		9.061				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.244				ND	7
\$ 78 Toluene-d8 (Surr)	98	9.384	9.384	0.000	93	2036297	9.82	
79 Toluene	92	9.475	9.469	0.006	94	8220	0.0450	
97 trans-1,3-Dichloropropene	75		9.744				ND	
100 1,1,2-Trichloroethane	97		9.957				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 Tetrachloroethene	166	10.049	10.049	0.000	97	75656	0.8503	
103 2-Hexanone	43		10.183				ND	
105 Chlorodibromomethane	129		10.347				ND	
106 Ethylene Dibromide	107		10.457				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.902	10.902	0.000	84	1574505	10.0	
109 Chlorobenzene	112		10.933				ND	
111 1,1,1,2-Tetrachloroethane	131		11.018				ND	
112 Ethylbenzene	91		11.024				ND	7
113 m-Xylene & p-Xylene	106		11.140				ND	7
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.475				ND	
115 Styrene	104		11.493				ND	
116 Bromoform	173		11.652				ND	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	93	713304	9.39	
121 1,1,2,2-Tetrachloroethane	83		12.030				ND	
* 135 1,4-Dichlorobenzene-d4	152	12.810	12.810	0.000	94	860017	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

MSV_LLcentISS_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 05-Jun-2025 13:24:15

Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\IU04X42.D

Injection Date: 05-Jun-2025 00:29:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: 410-224440-A-5

Lab Sample ID: 410-224440-5

Worklist Smp#: 32

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

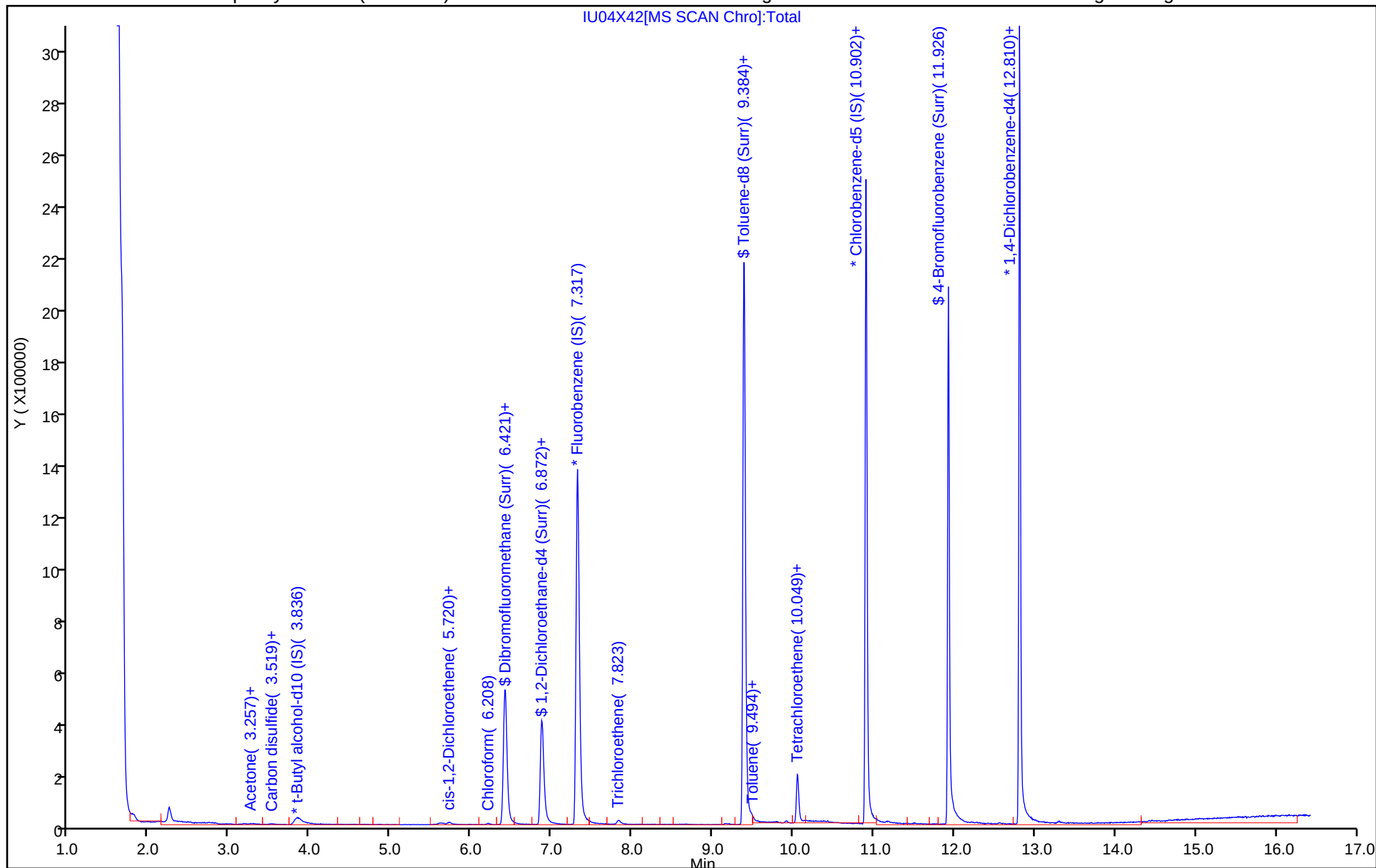
ALS Bottle#: 32

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\20250604-149239.b\IU04X42.D
Lims ID: 410-224440-A-5
Client ID: HD-COD-SW-13-0/1-0
Sample Type: Client
Inject. Date: 05-Jun-2025 00:29:30 ALS Bottle#: 32 Worklist Smp#: 32
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149239-032
Operator ID: ecr105096 Instrument ID: 19930
Method: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 05-Jun-2025 13:24:14 Calib Date: 17-Mar-2025 21:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 13:24:14

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	10.4	103.77
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.7	107.40
\$ 78 Toluene-d8 (Surr)	10.0	9.82	98.17
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.39	93.90

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\U04X42.D

Injection Date: 05-Jun-2025 00:29:30

Instrument ID: 19930

Lims ID: 410-224440-A-5

Lab Sample ID: 410-224440-5

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

Operator ID: ecr105096

ALS Bottle#: 32

Worklist Smp#: 32

Purge Vol: 25.000 mL

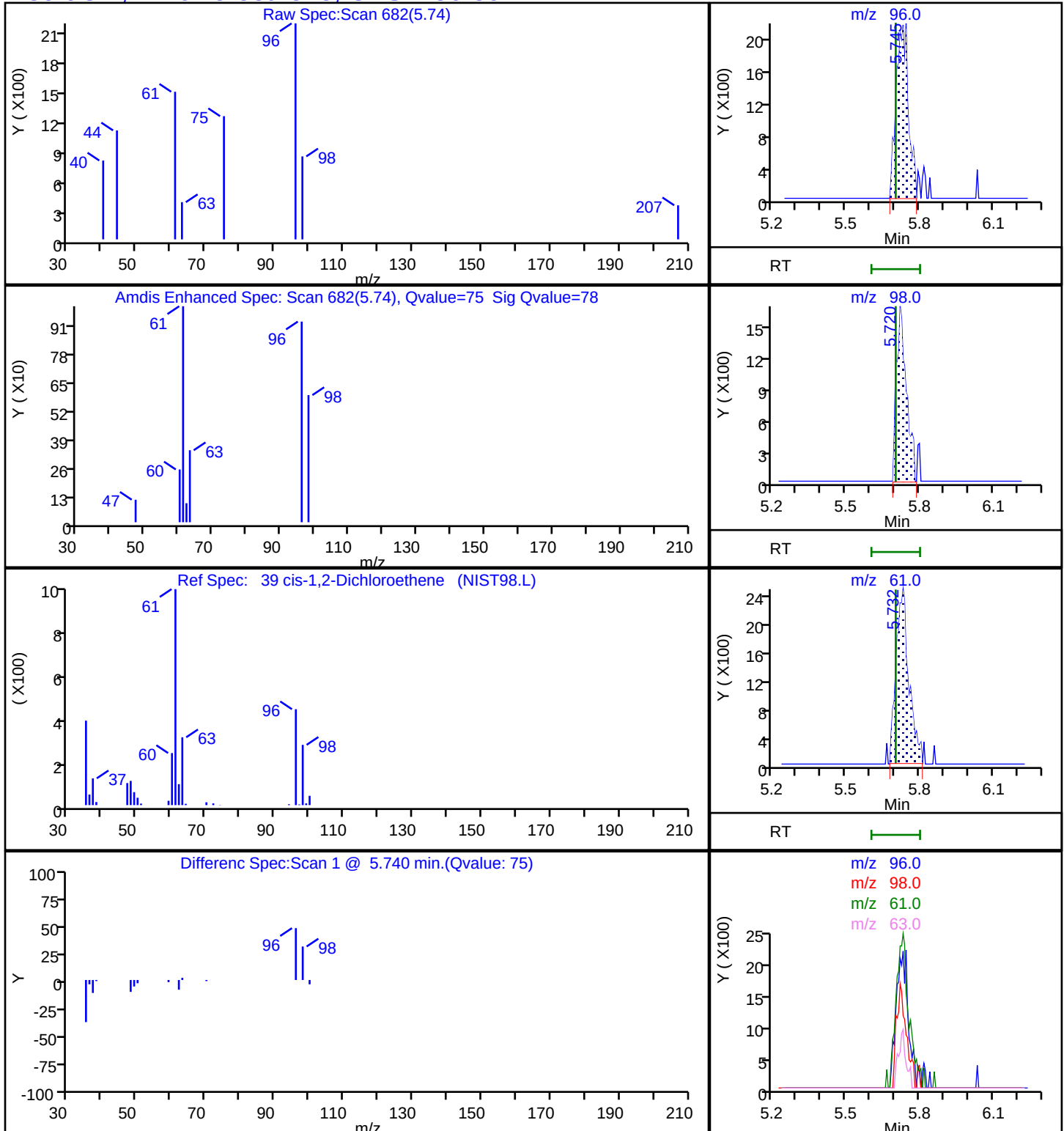
Dil. Factor: 1.0000

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\20250604-149239.b\U04X42.D

Injection Date: 05-Jun-2025 00:29:30

Instrument ID: 19930

Lims ID: 410-224440-A-5

Lab Sample ID: 410-224440-5

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

Operator ID: ecr105096

ALS Bottle#: 32

Worklist Smp#: 32

Purge Vol: 25.000 mL

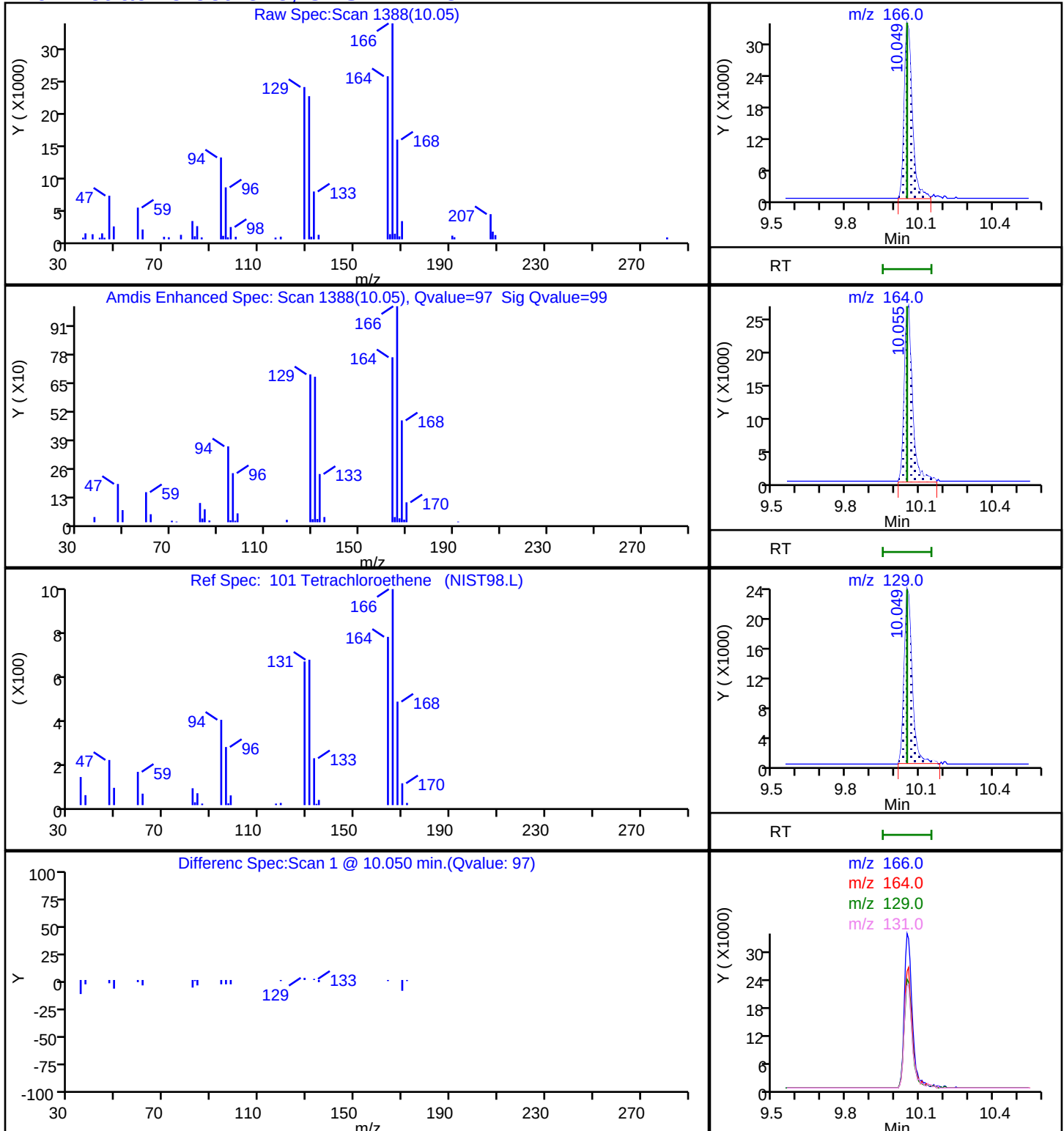
Dil. Factor: 1.0000

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\20250604-149239.b\U04X42.D

Injection Date: 05-Jun-2025 00:29:30

Instrument ID: 19930

Lims ID: 410-224440-A-5

Lab Sample ID: 410-224440-5

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

Operator ID: ecr105096

ALS Bottle#: 32

Worklist Smp#: 32

Purge Vol: 25.000 mL

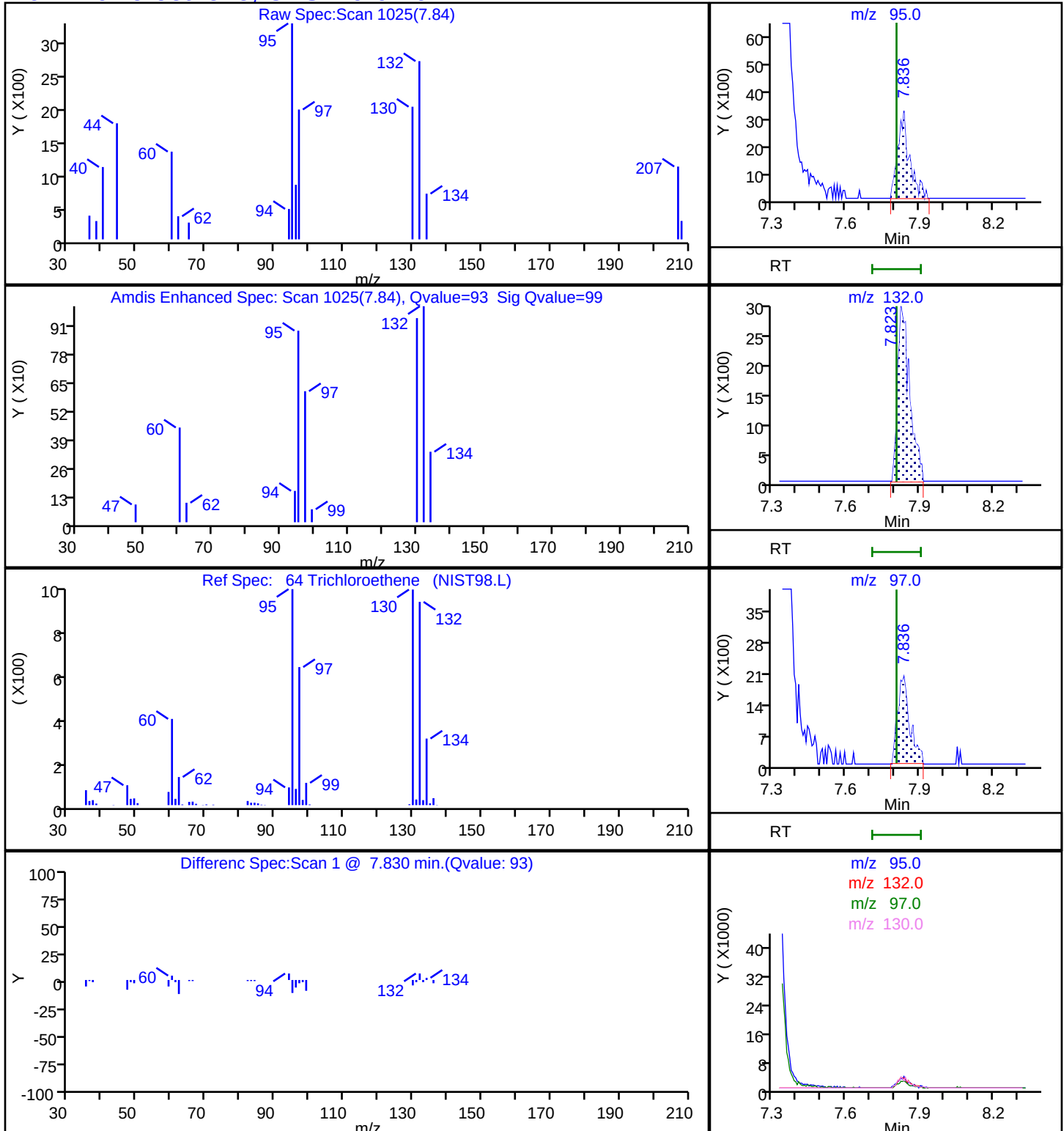
Dil. Factor: 1.0000

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\20250604-149239.b\IU04X42.D				
Injection Date:	05-Jun-2025 00:29:30	Instrument ID:	19930		
Lims ID:	410-224440-A-5	Lab Sample ID:	410-224440-5		
Client ID:	HD-COD-SW-13-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	32	Worklist Smp#:	32
Purge Vol:	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		

Signal: 1

Not Detected
Expected RT: 5.70

A chromatogram plot with the y-axis labeled 'Y (X100)' ranging from 0 to 22 and the x-axis labeled 'Min' ranging from 5.4 to 6.0. A single, sharp, prominent peak is visible at approximately 5.7 minutes, reaching a height of about 22. The peak is labeled 'm/z 96.0' in blue text. The baseline is stable at approximately 0.5 units throughout the rest of the run.

RT: 5.74
Area: 7492
Amount: 0.105660
Amount Units: ug/l

Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

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

Lab Sample ID: 410-224440-6

Matrix: Water

Lab File ID: IU04X34.D

Analysis Method: 8260D

Date Collected: 05/27/2025 11:45

Sample wt/vol: 25 (mL)

Date Analyzed: 06/04/2025 21:41

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 652669

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

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	0.35	J	0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	0.11	J	0.50	0.10
75-35-4	1,1-Dichloroethene	0.18	J	0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND	^c cn	5.0	1.5
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	^c cn	0.50	0.10
67-66-3	Chloroform	0.18	J	0.50	0.090
74-87-3	Chloromethane	ND	^c FL cn	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.90		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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-15-0/1-0 Lab Sample ID: 410-224440-6

Matrix: Water Lab File ID: IU04X34.D

Analysis Method: 8260D Date Collected: 05/27/2025 11:45

Sample wt/vol: 25 (mL) Date Analyzed: 06/04/2025 21:41

Soil Aliquot Vol: _____ Dilution Factor: 1

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

Purge Volume: 25.0 (mL) Heated Purge: (Y/N) N pH: _____

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

Analysis Batch No.: 652669 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 19930

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	5.7		0.50	0.20
108-88-3	Toluene	ND		0.50	0.080
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	1.4		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		80-120
460-00-4	4-Bromofluorobenzene (Surr)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\U04X34.D
 Lims ID: 410-224440-A-6
 Client ID: HD-COD-SW-15-0/1-0
 Sample Type: Client
 Inject. Date: 04-Jun-2025 21:41:30 ALS Bottle#: 24 Worklist Smp#: 24
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0149239-024
 Operator ID: ecr105096 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-Jun-2025 13:18:56 Calib Date: 17-Mar-2025 21:31:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 13:18:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85		1.806				ND	
2 Chlorodifluoromethane	51		1.812				ND	
3 Dimethyl ether	45		1.873				ND	
4 Chloromethane	50		1.983				ND	
6 Butadiene	39		2.087				ND	7
5 Vinyl chloride	62		2.093				ND	
7 Bromomethane	94		2.392				ND	
8 Chloroethane	64		2.453				ND	7
9 Dichlorofluoromethane	67		2.684				ND	
10 Trichlorofluoromethane	101		2.745				ND	
11 Ethyl ether	59		2.940				ND	
13 1,2-Dichloro-1,1,2-trifluoroetha	67		3.032				ND	
14 Acrolein	56		3.093				ND	
15 1,1-Dichloroethene	96	3.233	3.227	0.006	96	10906	0.1846	
16 Acetone	43		3.245				ND	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.269				ND	
T 12 Ethanol TIC	45		3.288				ND	7
18 Iodomethane	142		3.410				ND	
19 Ethyl bromide	108		3.428				ND	
20 Carbon disulfide	76		3.507				ND	7
23 Methyl acetate	43		3.629				ND	
24 3-Chloro-1-propene	41		3.654				ND	
21 Acetonitrile	41		3.666				ND	
25 Methylene Chloride	84		3.818				ND	
* 26 t-Butyl alcohol-d10 (IS)	65	3.830	3.830	0.000	22	156802	50.0	
27 2-Methyl-2-propanol	59		3.940				ND	
T 22 Acetonitrile TIC	41		4.001				ND	
28 Acrylonitrile	53		4.135				ND	
29 Methyl tert-butyl ether	73		4.190				ND	7
30 trans-1,2-Dichloroethene	96		4.202				ND	7
31 Hexane	57		4.623				ND	
32 1,1-Dichloroethane	63	4.873	4.855	0.019	94	13641	0.1083	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
33 Vinyl acetate	43		4.915				ND	
35 Isopropyl ether	45		4.922				ND	
36 2-Chloro-1,3-butadiene	53		4.970				ND	
T 34 Vinyl acetate (TIC)	43		5.336				ND	
37 Tert-butyl ethyl ether	59		5.464				ND	
38 2-Butanone (MEK)	43		5.665				ND	
39 cis-1,2-Dichloroethene	96	5.720	5.702	0.018	76	66224	0.9044	
40 2,2-Dichloropropane	77		5.720				ND	
43 Propionitrile	54		5.757				ND	
42 Ethyl acetate	43		5.799				ND	
45 Methacrylonitrile	67		5.970				ND	
46 Chlorobromomethane	128		6.043				ND	
47 Tetrahydrofuran	71		6.049				ND	
S 41 1,2-Dichloroethene, Total	100				0		0.9044	
48 Chloroform	83	6.220	6.196	0.024	92	22987	0.1790	
44 Methyl acrylate	55		6.220				ND	
\$ 49 Dibromofluoromethane (Surr)	113	6.421	6.415	0.006	94	538476	10.3	
50 1,1,1-Trichloroethane	97	6.421	6.427	-0.006	38	38524	0.3504	
51 Cyclohexane	56		6.525				ND	
54 Carbon tetrachloride	117	6.653	6.641	0.012	62	3206	0.0333	a
53 1,1-Dichloropropene	75		6.641				ND	
55 Isobutyl alcohol	41		6.805				ND	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.884	6.872	0.012	62	114103	10.8	
57 Benzene	78		6.903				ND	
58 1,2-Dichloroethane	62		6.982				ND	
52 1-Chlorobutane	56		7.019				ND	
59 Isopropyl acetate	43		7.031				ND	
60 Tert-amyl methyl ether	73		7.110				ND	
* 61 Fluorobenzene (IS)	96	7.323	7.317	0.006	99	2110642	10.0	
62 n-Heptane	43		7.342				ND	
63 n-Butanol	56		7.708				ND	
64 Trichloroethene	95	7.817	7.805	0.012	95	105764	1.37	
65 Methylcyclohexane	83		8.116				ND	
66 1,2-Dichloropropane	63		8.140				ND	
67 Methyl methacrylate	69		8.238				ND	
68 1,4-Dioxane	88		8.244				ND	
69 Dibromomethane	93		8.250				ND	
70 n-Propyl acetate	43		8.342				ND	
71 Dichlorobromomethane	83		8.494				ND	7
72 2-Nitropropane	41		8.762				ND	
73 2-Chloroethyl vinyl ether	63		8.878				ND	
75 1-Bromo-2-chloroethane	63		8.890				ND	
76 cis-1,3-Dichloropropene	75		9.061				ND	
74 Chloroacetonitrile	75		9.226				ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.244				ND	7
\$ 78 Toluene-d8 (Surr)	98	9.390	9.384	0.006	93	2104042	9.92	
79 Toluene	92		9.469				ND	7
97 trans-1,3-Dichloropropene	75		9.744				ND	
99 Ethyl methacrylate	69		9.817				ND	
100 1,1,2-Trichloroethane	97		9.957				ND	U
T 82 Epichlorohydrin TIC	57	9.384	10.000	-0.616	20	1275	0.006041	
T 81 Monochloroacetic acid TIC	50	9.475	10.000	-0.525	1	696	0.003298	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
T 83 2,3-Dibromopropene TIC	119	10.048	10.000	0.048	1	4525	0.0214	
T 85 2,3-Dibromo-1-propanol TIC	57	9.384	10.000	-0.616	1	1275	0.006041	
T 84 3-Chloro-1,2-propanediol TIC	43	10.018	10.000	0.018	1	98	0.000464	
T 224 Methyl acrylate TIC	55	9.384	10.000	-0.616	5	6571	0.0311	
T 86 2-Bromoethanol TIC	45	10.341	10.000	0.341	1	122	0.000578	
T 91 Epibromohydrin TIC	57		10.000				ND	
T 80 Chloroacetaldehyde TIC	50	9.475	10.000	-0.525	1	696	0.003298	
T 93 Nitrobenzene TIC	77	10.000	10.000	0.000	1	372	0.001762	
T 89 Ethylene oxide TIC	43	10.018	10.000	0.018	1	98	0.000464	
T 90 Vinyl bromide TIC	106	11.158	10.000	1.158	1	98	0.000464	
T 92 2-Bromo-3-chloropropene TIC	75	10.231	10.000	0.231	1	302	0.001431	
T 88 Isopropyl alcohol TIC	45	10.341	10.000	0.341	1	122	0.000578	
T 94 Hexachloroethane TIC	117	10.042	10.000	0.042	11	3726	0.0177	
T 95 Decamethylcyclotetrasiloxane TIC	71	10.146	10.000	0.146	1	243	0.001151	
T 96 Octamethylcyclotetrasiloxane TIC	78	11.981	10.000	1.981	83	22582	0.1070	
T 87 2-Chloroethanol TIC	44	10.018	10.000	0.018	1	845	0.004004	
101 Tetrachloroethene	166	10.048	10.049	-0.001	97	518675	5.70	
S 98 1,3-Dichloropropene, Total	100		10.060				ND	7
102 1,3-Dichloropropane	76		10.128				ND	
103 2-Hexanone	43		10.183				ND	
104 n-Butyl acetate	43		10.305				ND	
105 Chlorodibromomethane	129		10.347				ND	
106 Ethylene Dibromide	107		10.457				ND	
* 107 Chlorobenzene-d5 (IS)	117	10.902	10.902	0.000	85	1609615	10.0	
108 1-Chlorohexane	91		10.920				ND	7
109 Chlorobenzene	112		10.933				ND	
111 1,1,1,2-Tetrachloroethane	131		11.018				ND	
112 Ethylbenzene	91		11.024				ND	
113 m-Xylene & p-Xylene	106		11.140				ND	7
S 110 Xylenes, Total	106		11.245				ND	7
114 o-Xylene	106		11.475				ND	
115 Styrene	104		11.493				ND	
116 Bromoform	173		11.652				ND	
117 Isopropylbenzene	105		11.780				ND	
118 cis-1,4-Dichloro-2-butene	88		11.804				ND	
119 Cyclohexanone	55		11.829				ND	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	93	712871	9.18	
121 1,1,2,2-Tetrachloroethane	83		12.030				ND	
122 Bromobenzene	156		12.042				ND	
123 trans-1,4-Dichloro-2-butene	53		12.054				ND	
124 1,2,3-Trichloropropane	110		12.073				ND	
125 N-Propylbenzene	91		12.115				ND	
126 2-Chlorotoluene	126		12.188				ND	
127 1,3,5-Trimethylbenzene	105		12.249				ND	
128 4-Chlorotoluene	126		12.280				ND	
129 tert-Butylbenzene	134		12.493				ND	
130 Pentachloroethane	167		12.524				ND	
131 1,2,4-Trimethylbenzene	105		12.536				ND	7
132 sec-Butylbenzene	105		12.658				ND	
133 1,3-Dichlorobenzene	146		12.755				ND	
134 4-Isopropyltoluene	119		12.768				ND	7
* 135 1,4-Dichlorobenzene-d4	152	12.810	12.810	0.000	94	890954	10.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
136 1,4-Dichlorobenzene	146		12.829				ND	
137 1,2,3-Trimethylbenzene	120		12.841				ND	7
138 Benzyl chloride	126		12.908				ND	
139 n-Butylbenzene	92		13.060				ND	
140 1,2-Dichlorobenzene	146		13.091				ND	
141 Hexachloroethane	117		13.542				ND	
142 1,2-Dibromo-3-Chloropropane	155		13.633				ND	
143 1,3,5-Trichlorobenzene	180		13.761				ND	
144 1,2,4-Trichlorobenzene	180		14.182				ND	
145 Hexachlorobutadiene	225		14.267				ND	
146 Naphthalene	128		14.359				ND	
147 1,2,3-Trichlorobenzene	180		14.499				ND	
148 Dodecane	57		0.000				ND	
155 2-Methylnaphthalene	142		0.000				ND	
154 1,1-Dichloro-1-fluoroethane	1		0.000				ND	
153 1-Bromo-3-Chloropropane	1		0.000				ND	
152 n-Decane	57		0.000				ND	
151 1,1-Dichloroacetone	1		0.000				ND	
226 C4-C10	1		0.000				ND	
227 sec-Butyl Alcohol TIC	1		0.000				ND	
157 t-Amyl alcohol	1		0.000				ND	
156 p-Diethylbenzene	1		0.000				ND	
228 1,1,1,2-Tetrafluoroethane TIC	1		0.000				ND	
231 C6-C10	1		0.000				ND	
232 Dimethylformamide TIC	1		0.000				ND	
233 3-Pentanone TIC	1		0.000				ND	
234 Isooctane TIC	1		0.000				ND	
235 C7-C12	1		0.000				ND	
158 Methylal	1		0.000				ND	
236 C5-C12	1		0.000				ND	
229 C6-C12	1		0.000				ND	
230 Gasoline (Unleaded)	1		0.000				ND	
159 tert-Butyl Formate	1		0.000				ND	
223 1,1,2-Trifluoroethane TIC	1		0.000				ND	
164 1-Chloropropane	1		0.000				ND	
221 1,1,1-Trichloro-2,2,2-trifluoroethane	1		0.000				ND	
163 Propene oxide	1		0.000				ND	
162 Chlorotrifluoroethene	1		0.000				ND	
222 Vinyl Fluoride TIC	1		0.000				ND	
225 1,1-Dichloro-1-fluoroethane TIC	1		0.000				ND	
218 Fluoromethane TIC	1		0.000				ND	
160 2-Bromo-1-chloropropane	1		0.000				ND	
219 1,1,1-Trifluoro-2,2-dichloroethane	1		0.000				ND	
220 1,2-Dichlorofluoroethane TIC	1		0.000				ND	
213 Chlorofluoromethane TIC	1		0.000				ND	
216 Ethyl ether TIC	1		0.000				ND	
217 Freon 115 TIC	1		0.000				ND	
165 Isopropyl alcohol	45		0.000				ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	
149 2-Chloro-1,1,1-Trifluoroethane	1		0.000				ND	
161 Pentane	43		0.000				ND	
237 C4-C12	1		0.000				ND	

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\IU04X34.D

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
214 Dichloro-1,1,2,2-tetrafluoroetha1			0.000				ND	
215 1-Chloro-1,1-difluoroethane TIC1			0.000				ND	
166 Ethanol	45		3.269				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSV_LLcentISS_00017

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\IU04X34.D

Injection Date: 04-Jun-2025 21:41:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: 410-224440-A-6

Lab Sample ID: 410-224440-6

Worklist Smp#: 24

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

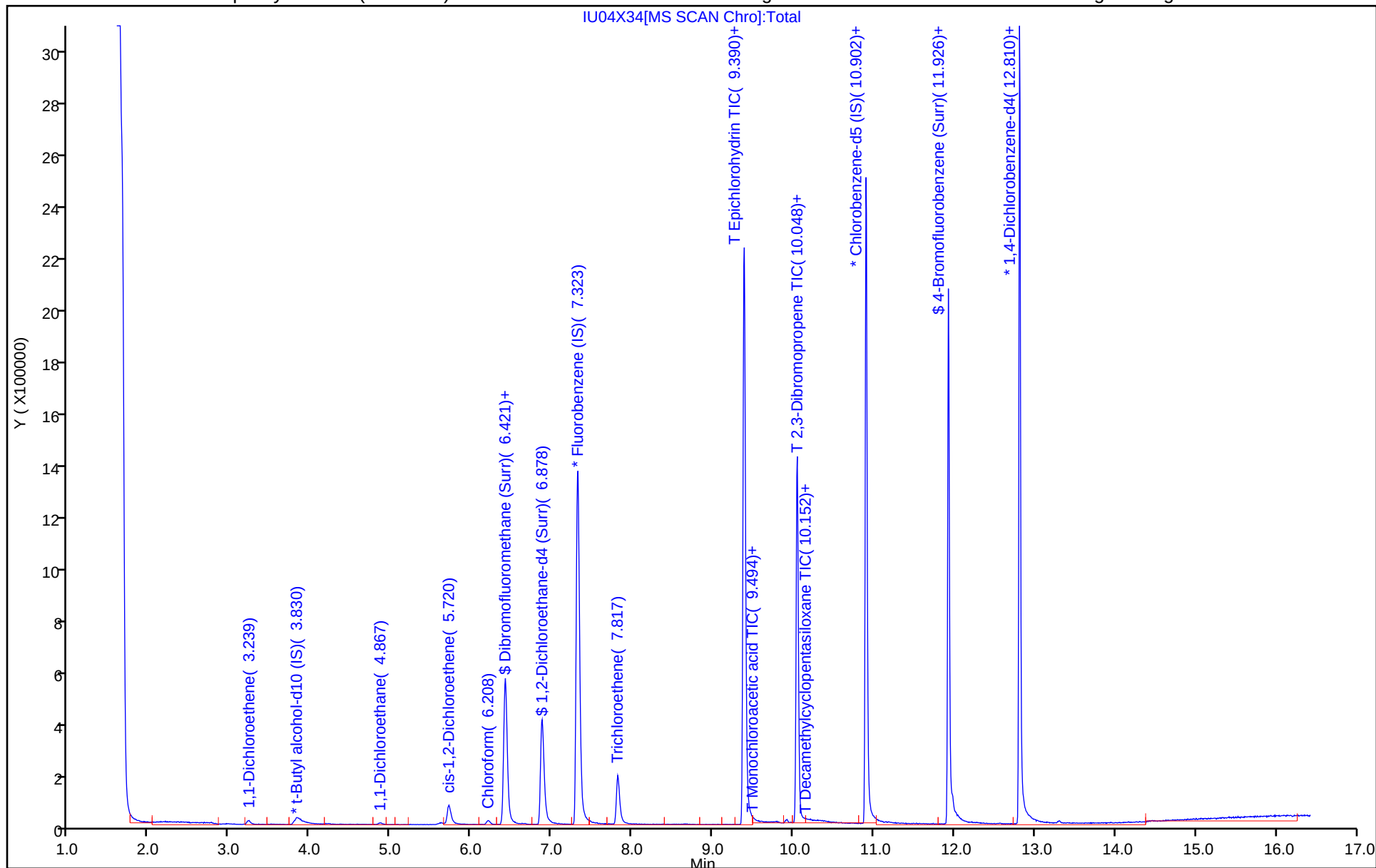
ALS Bottle#: 24

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\20250604-149239.b\IU04X34.D
Lims ID: 410-224440-A-6
Client ID: HD-COD-SW-15-0/1-0
Sample Type: Client
Inject. Date: 04-Jun-2025 21:41:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149239-024
Operator ID: ecr105096 Instrument ID: 19930
Method: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 05-Jun-2025 13:18:56 Calib Date: 17-Mar-2025 21:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 13:18:56

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	10.3	103.28
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.8	107.93
\$ 78 Toluene-d8 (Surr)	10.0	9.92	99.22
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.18	91.79

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\IU04X34.D

Injection Date: 04-Jun-2025 21:41:30

Instrument ID: 19930

Lims ID: 410-224440-A-6

Lab Sample ID: 410-224440-6

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

Operator ID: ecr105096

ALS Bottle#: 24

Worklist Smp#: 24

Purge Vol: 25.000 mL

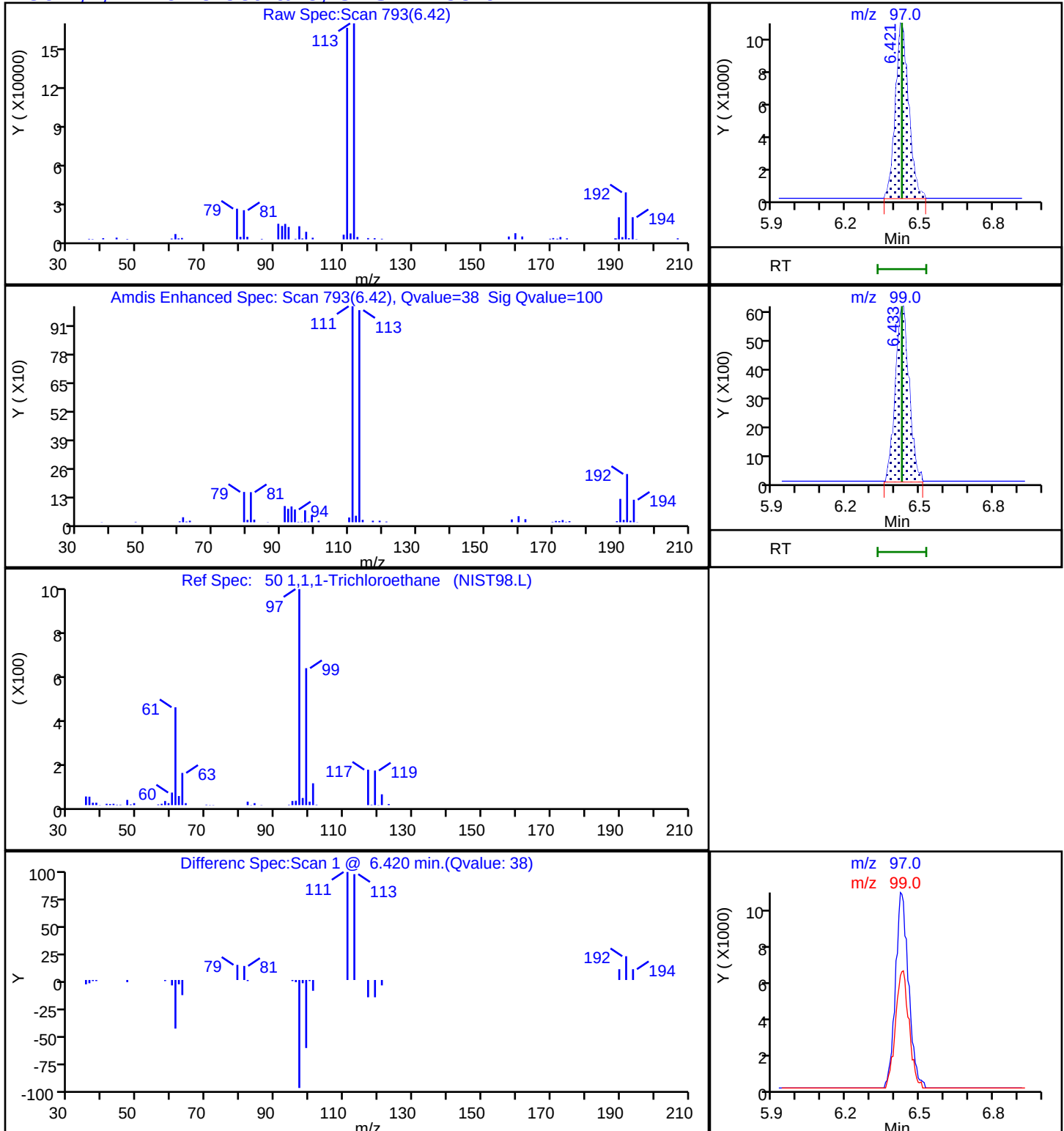
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

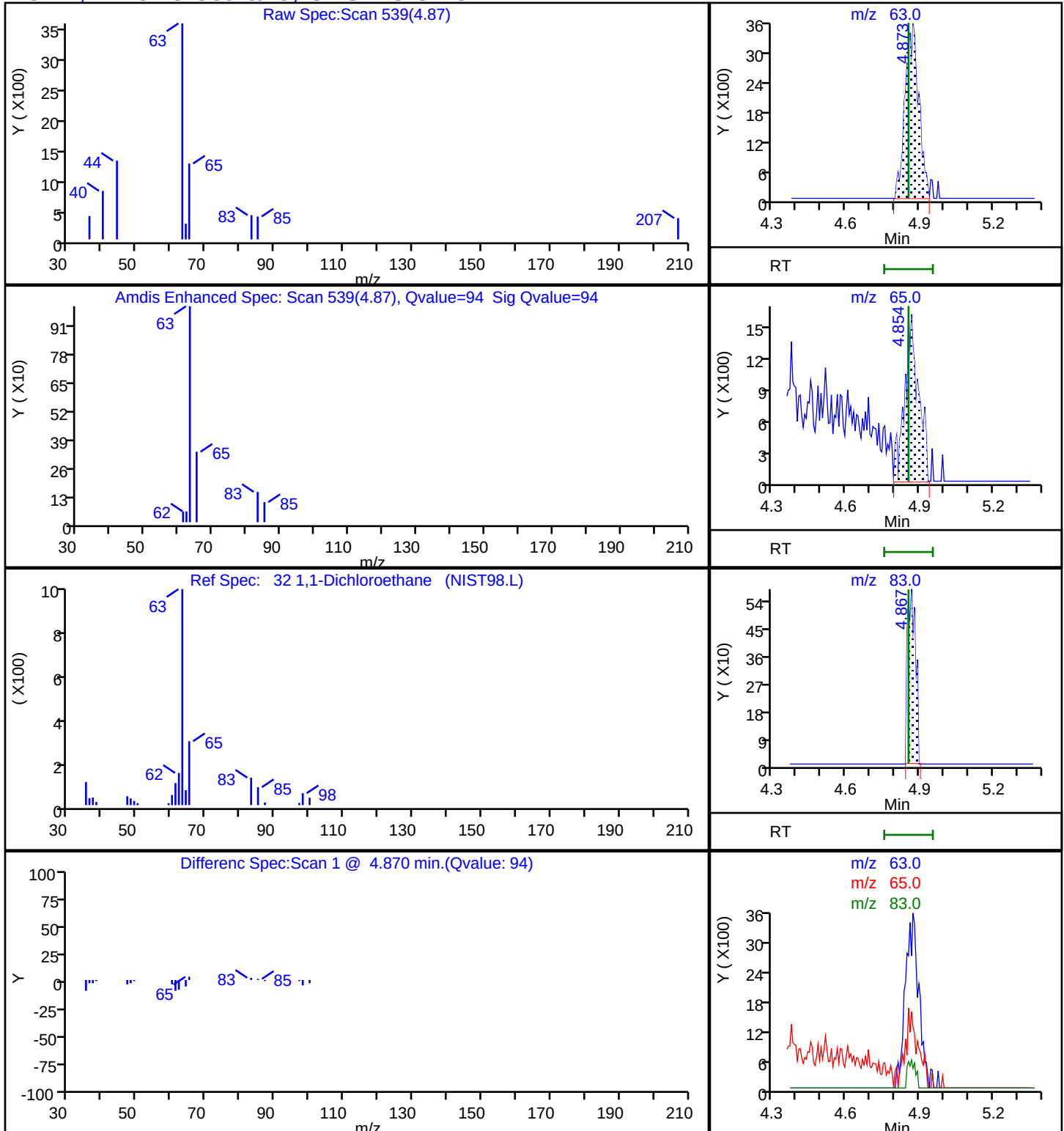
Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

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

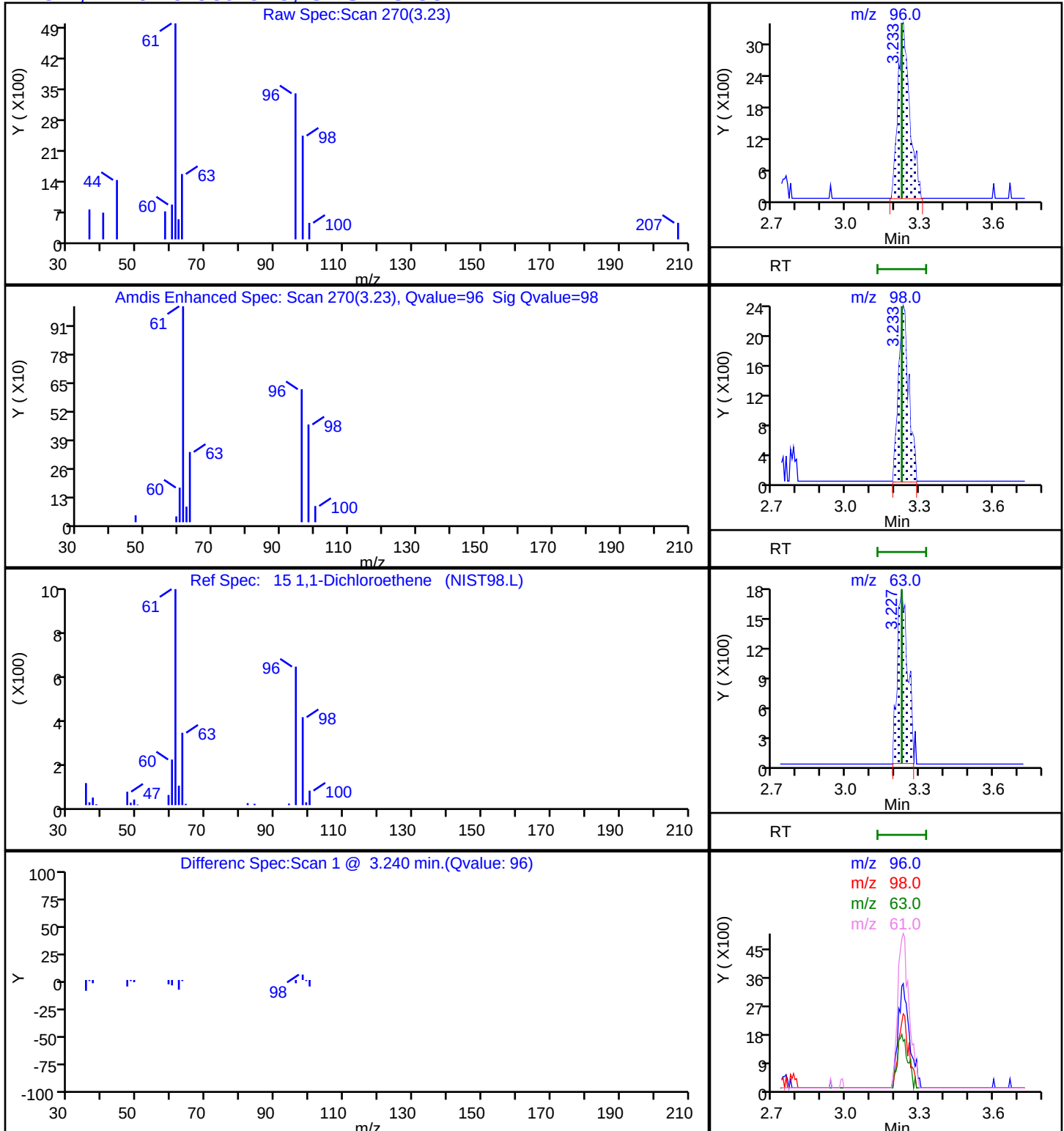
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\U04X34.D
Injection Date: 04-Jun-2025 21:41:30 Instrument ID: 19930
Lims ID: 410-224440-A-6 Lab Sample ID: 410-224440-6
Client ID: HD-COD-SW-15-0/1-0
Operator ID: ecr105096 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 25.000 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

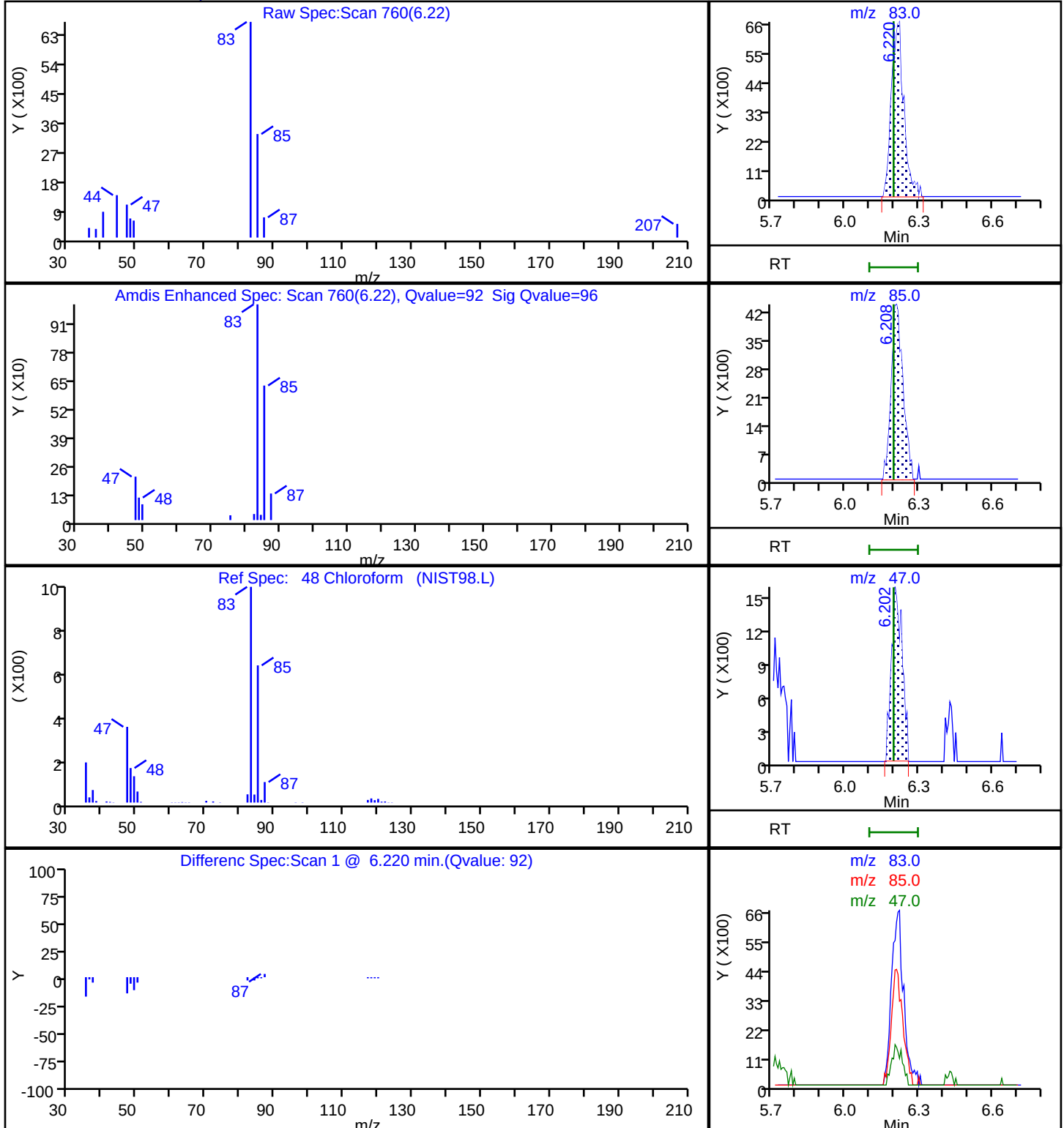
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\U04X34.D
Injection Date: 04-Jun-2025 21:41:30 Instrument ID: 19930
Lims ID: 410-224440-A-6 Lab Sample ID: 410-224440-6
Client ID: HD-COD-SW-15-0/1-0
Operator ID: ecr105096 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 25.000 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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\U04X34.D
Injection Date: 04-Jun-2025 21:41:30 Instrument ID: 19930
Lims ID: 410-224440-A-6 Lab Sample ID: 410-224440-6
Client ID: HD-COD-SW-15-0/1-0
Operator ID: ecr105096 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 25.000 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\20250604-149239.b\U04X34.D

Injection Date: 04-Jun-2025 21:41:30

Instrument ID: 19930

Lims ID: 410-224440-A-6

Lab Sample ID: 410-224440-6

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

Operator ID: ecr105096

ALS Bottle#: 24

Worklist Smp#: 24

Purge Vol: 25.000 mL

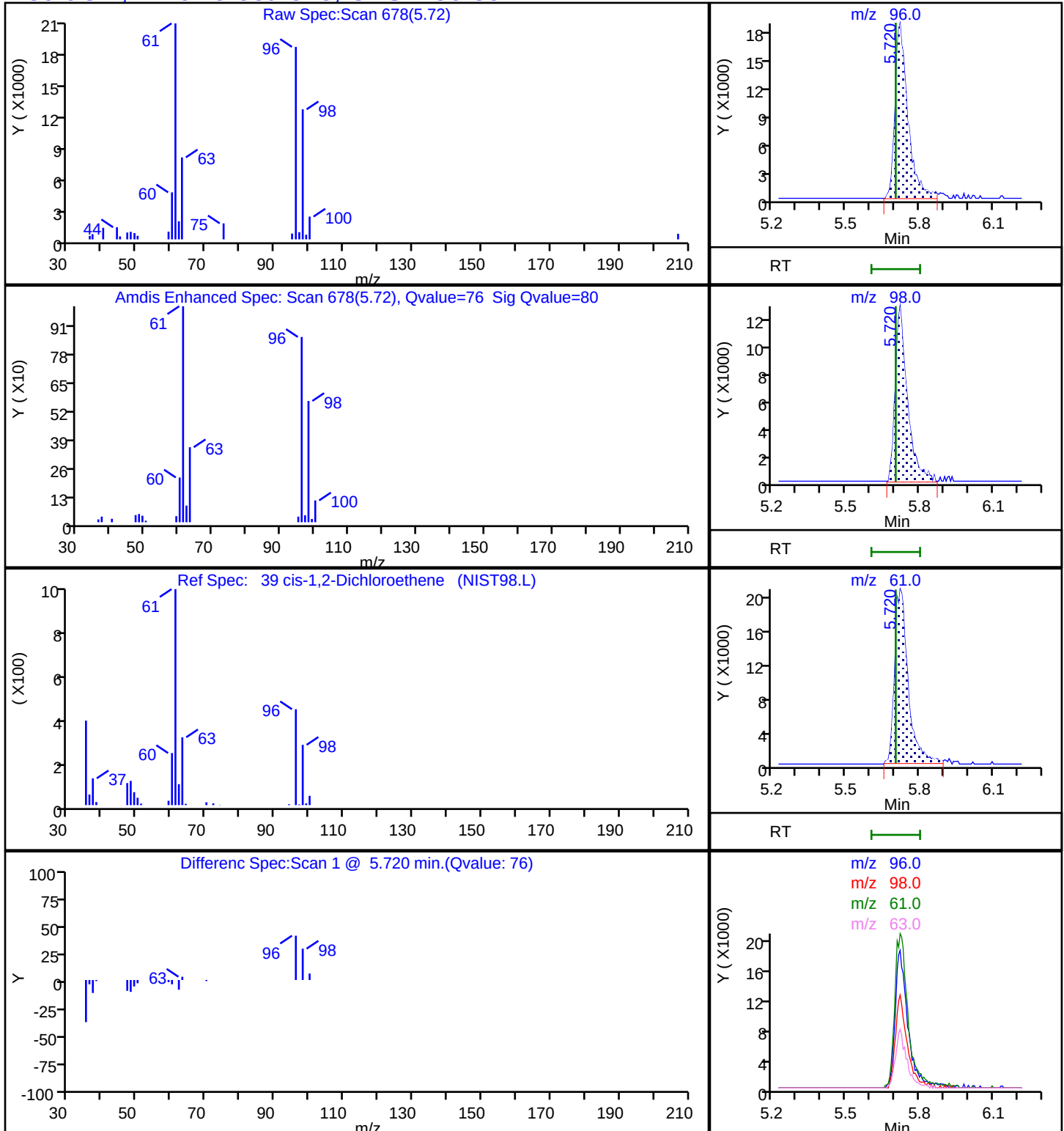
Dil. Factor: 1.0000

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\20250604-149239.b\U04X34.D

Injection Date: 04-Jun-2025 21:41:30

Instrument ID: 19930

Lims ID: 410-224440-A-6

Lab Sample ID: 410-224440-6

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

Operator ID: ecr105096

ALS Bottle#: 24

Worklist Smp#: 24

Purge Vol: 25.000 mL

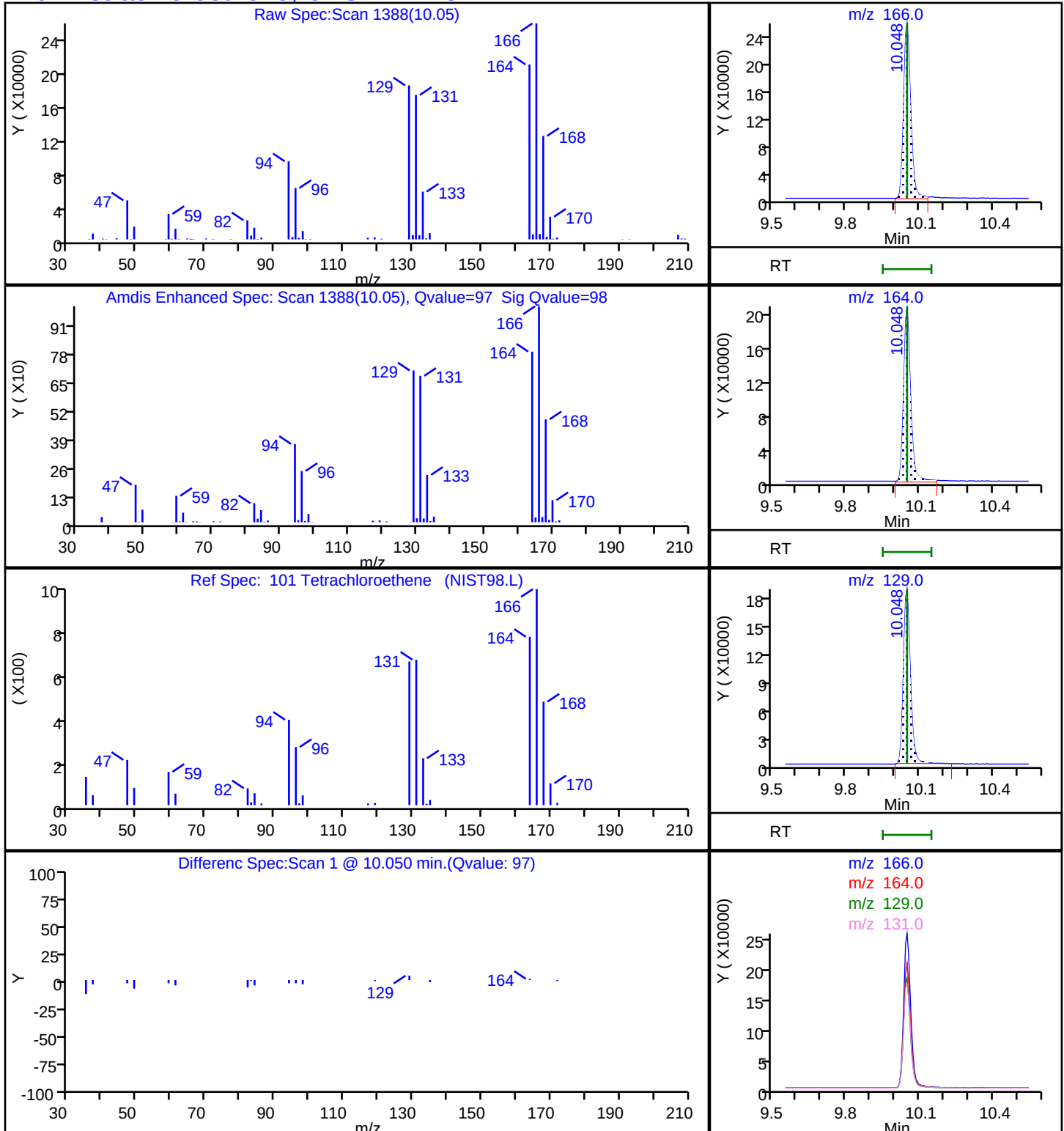
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

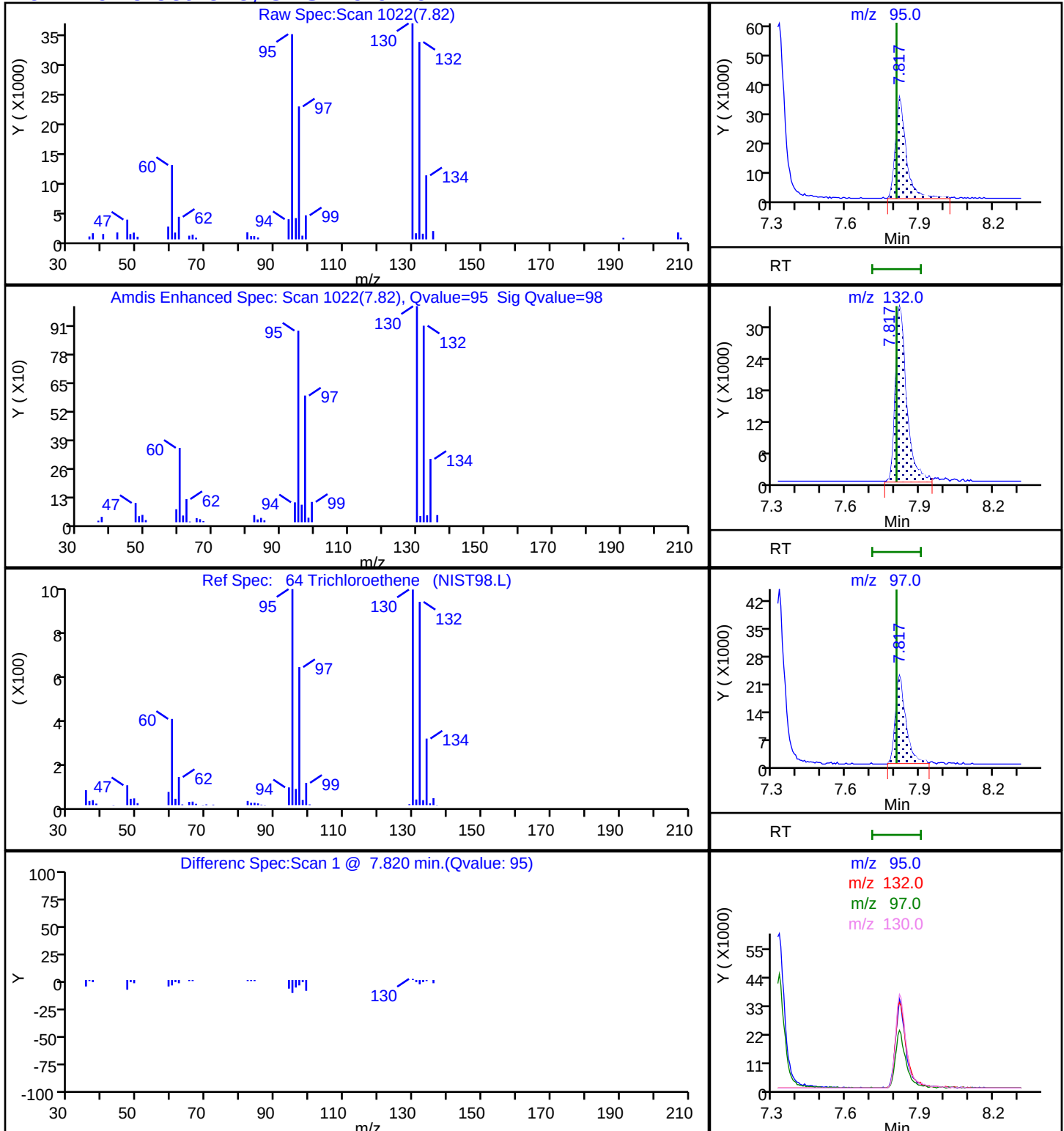
Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

101 Tetrachloroethene, CAS: 127-18-4

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\IU04X34.D
Injection Date: 04-Jun-2025 21:41:30 Instrument ID: 19930
Lims ID: 410-224440-A-6 Lab Sample ID: 410-224440-6
Client ID: HD-COD-SW-15-0/1-0
Operator ID: ecr105096 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 25.000 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\20250604-149239.b\IU04X34.D

Injection Date: 04-Jun-2025 21:41:30

Instrument ID: 19930

Lims ID: 410-224440-A-6

Lab Sample ID: 410-224440-6

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

Operator ID: ecr105096

ALS Bottle#:

24

Worklist Smp#: 24

Purge Vol: 25.000 mL

Dil. Factor:

1.0000

Method: 8260 25ml HP31

Limit Group:

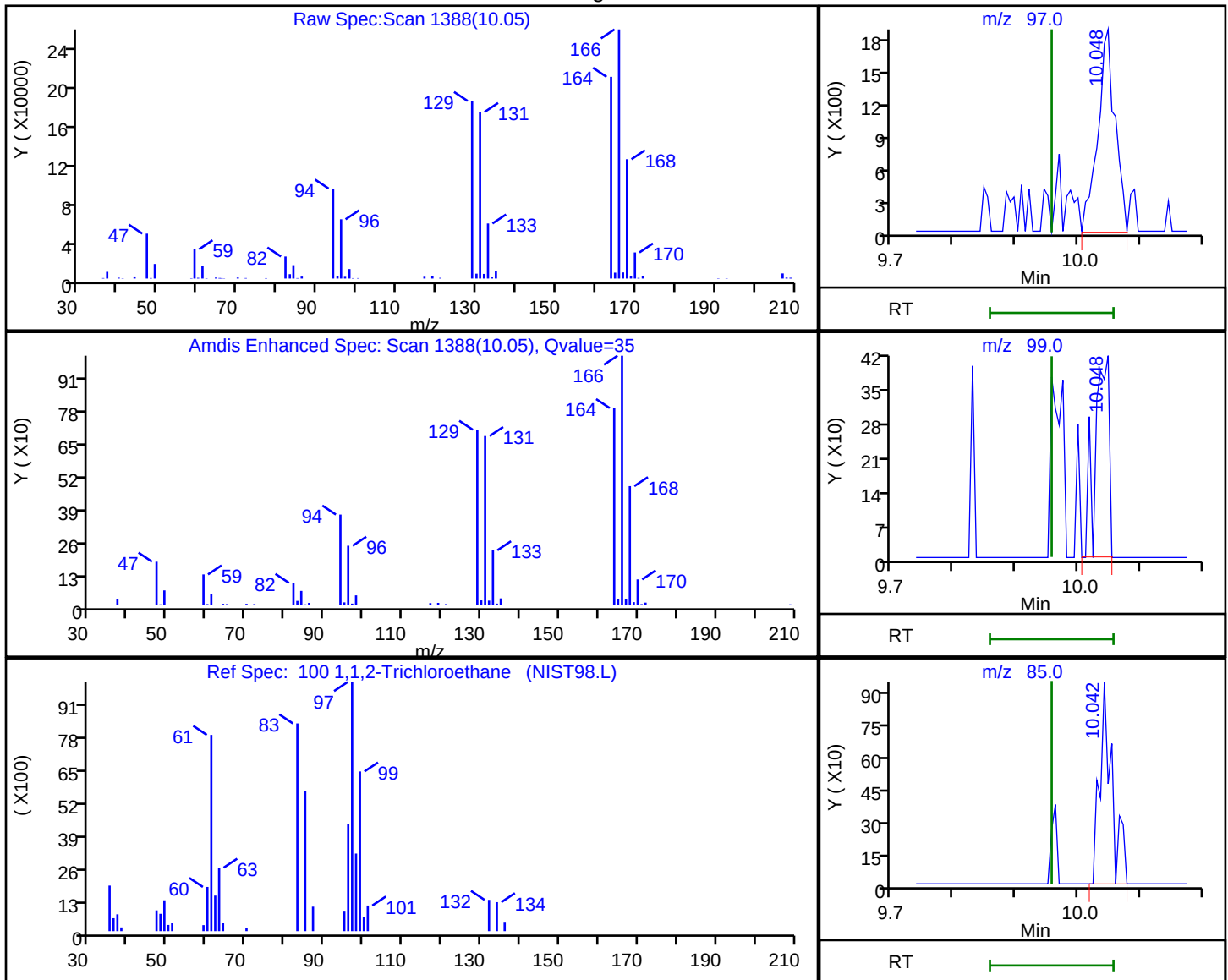
MSV - 8260C_D

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

MS Quad

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

Processing Results



RT	Mass	Response	Amount
10.05	97.00	3476	0.062347
10.05	99.00	654	
10.04	85.00	1300	
10.05	83.00	8073	

Reviewer: FQ4L, 05-Jun-2025 13:18:44 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

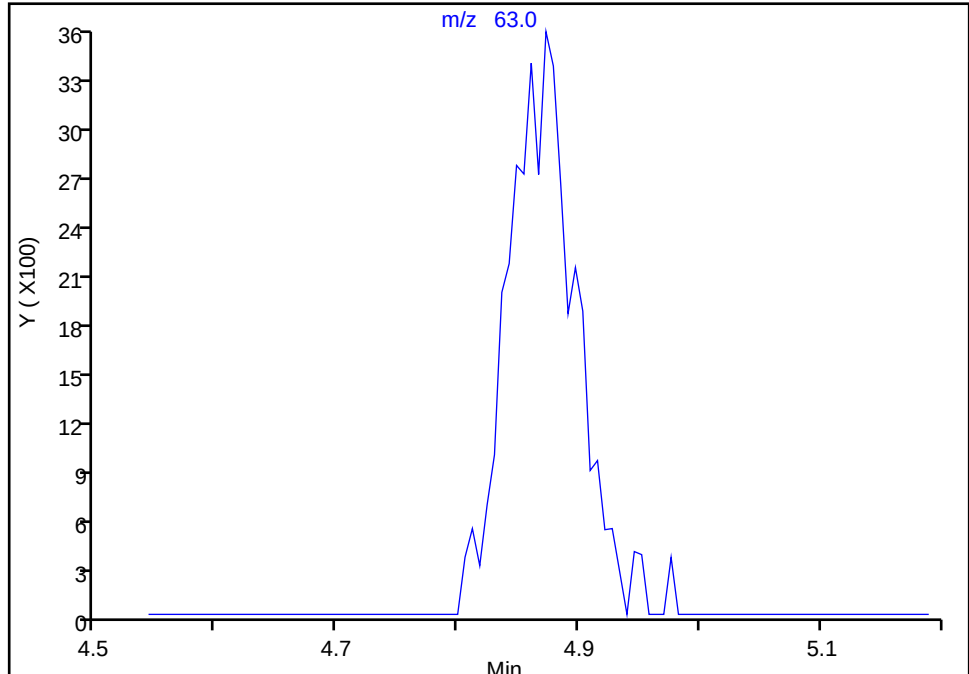
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Injection Date: 04-Jun-2025 21:41:30 Instrument ID: 19930
Lims ID: 410-224440-A-6 Lab Sample ID: 410-224440-6
Client ID: HD-COD-SW-15-0/1-0
Operator ID: ecr105096 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 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

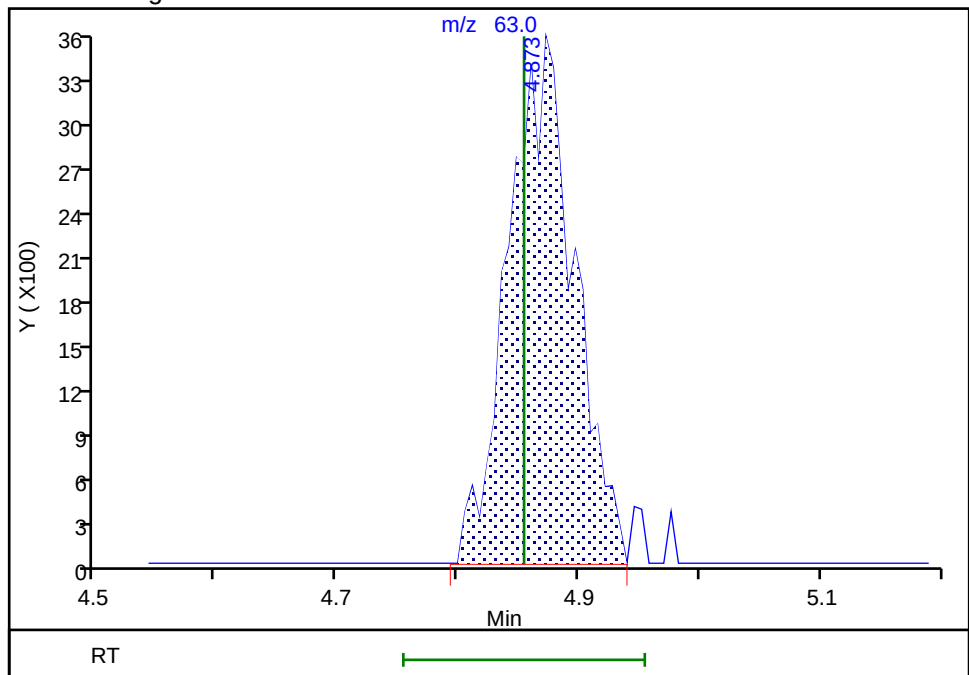
Not Detected
Expected RT: 4.85

Processing Integration Results



RT: 4.87
Area: 13641
Amount: 0.108290
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 05-Jun-2025 13:18:18 07:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

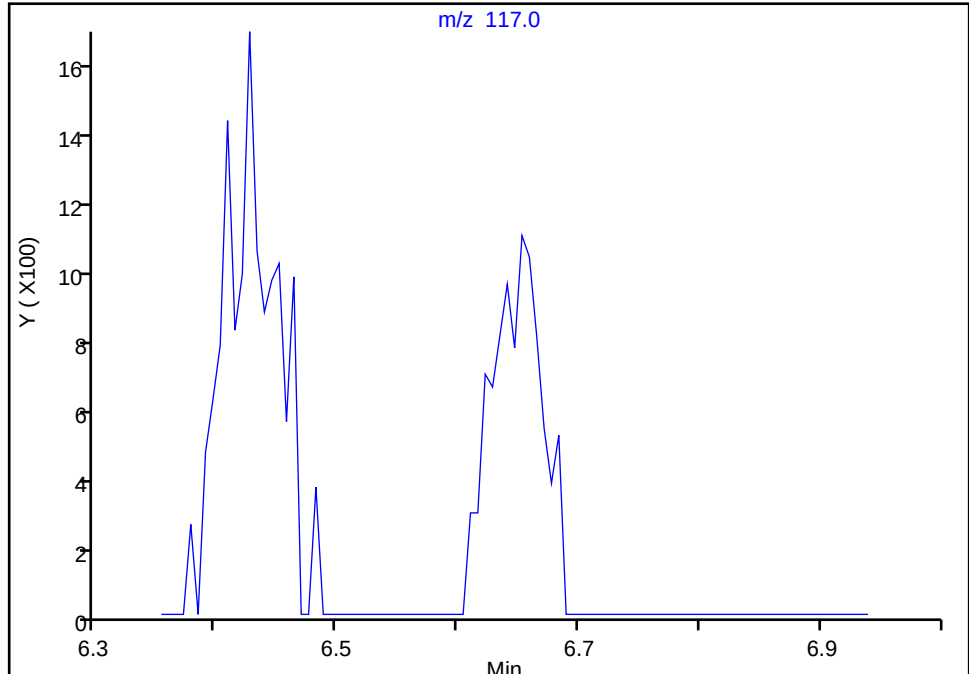
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Injection Date: 04-Jun-2025 21:41:30 Instrument ID: 19930
Lims ID: 410-224440-A-6 Lab Sample ID: 410-224440-6
Client ID: HD-COD-SW-15-0/1-0
Operator ID: ecr105096 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 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

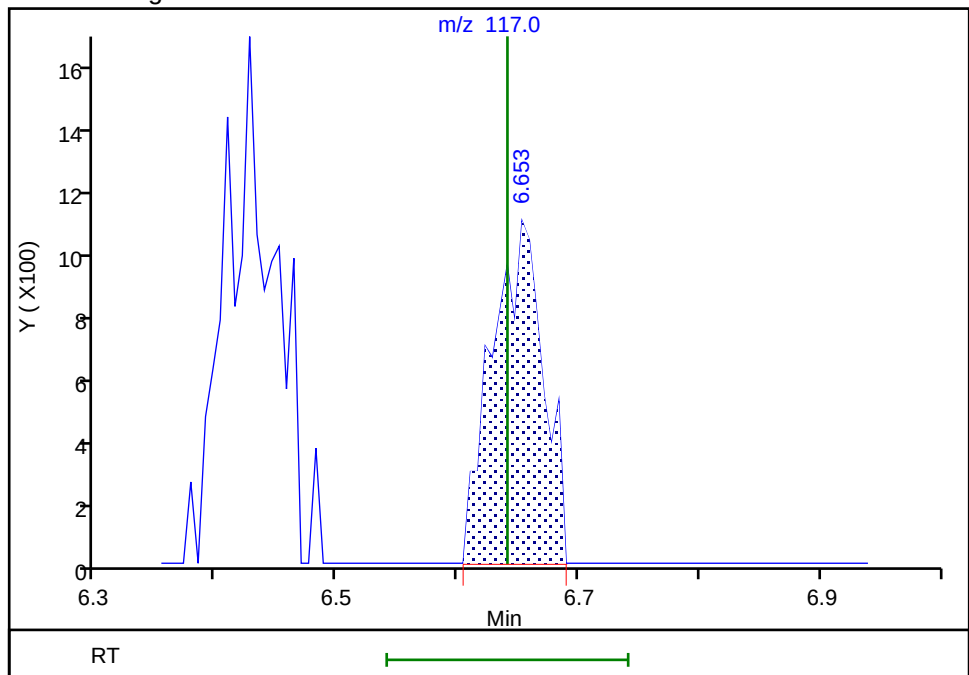
Not Detected
Expected RT: 6.64

Processing Integration Results



RT: 6.65
Area: 3206
Amount: 0.033272
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 05-Jun-2025 13:18:36 07:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

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

Lab Sample ID: 410-224440-7

Matrix: Water

Lab File ID: HU04X44.D

Analysis Method: 8260D

Date Collected: 05/27/2025 10:12

Sample wt/vol: 25 (mL)

Date Analyzed: 06/05/2025 01:20

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.: 653082

Units: ug/L

Preparation Batch No.:

Instrument ID: 19094

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	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.65		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-224440-1
SDG No.:	
Client Sample ID: HD-COD-SW-16-0/1-0	Lab Sample ID: 410-224440-7
Matrix: Water	Lab File ID: HU04X44.D
Analysis Method: 8260D	Date Collected: 05/27/2025 10:12
Sample wt/vol: 25 (mL)	Date Analyzed: 06/05/2025 01:20
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.: 653082	Units: ug/L
Preparation Batch No.:	Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
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	0.14	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X44.D
 Lims ID: 410-224440-A-7
 Client ID: HD-COD-SW-16-0/1-0
 Sample Type: Client
 Inject. Date: 05-Jun-2025 01:20:30 ALS Bottle#: 14 Worklist Smp#: 15
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0149342-015
 Operator ID: gaw91131 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-Jun-2025 13:41:41 Calib Date: 31-Mar-2025 18:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 13:41:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.032	2.038	-0.006	26	3371	0.0363	
6 Vinyl chloride	62		2.148				ND	
9 Bromomethane	94		2.465				ND	
10 Chloroethane	64		2.514				ND	
17 1,1-Dichloroethene	96		3.288				ND	
19 Acetone	43		3.288				ND	
23 Carbon disulfide	76		3.568				ND	7
* 28 t-Butyl alcohol-d10 (IS)	65	3.897	3.879	0.018	98	65249	50.0	
27 Methylene Chloride	84		3.885				ND	
32 Methyl tert-butyl ether	73		4.257				ND	
33 trans-1,2-Dichloroethene	96		4.281				ND	
36 1,1-Dichloroethane	63		4.928				ND	
41 2-Butanone (MEK)	43		5.739				ND	
42 cis-1,2-Dichloroethene	96	5.806	5.775	0.031	1	4846	0.0790	M
48 Chlorobromomethane	128		6.104				ND	
50 Chloroform	83	6.269	6.263	0.006	88	6143	0.0641	
\$ 52 Dibromofluoromethane (Surr)	113	6.476	6.476	0.000	93	444439	10.3	
53 1,1,1-Trichloroethane	97		6.494				ND	U
56 Carbon tetrachloride	117		6.714				ND	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.946	6.940	0.006	46	81051	10.6	
59 Benzene	78		6.970				ND	7
60 1,2-Dichloroethane	62		7.043				ND	
* 64 Fluorobenzene (IS)	96	7.385	7.385	0.000	99	1981040	10.0	
68 Trichloroethene	95	7.903	7.878	0.025	90	8384	0.1378	M
70 1,2-Dichloropropane	63		8.208				ND	
76 Dichlorobromomethane	83		8.561				ND	
80 cis-1,3-Dichloropropene	75		9.134				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.311				ND	
\$ 83 Toluene-d8 (Surr)	98	9.457	9.457	0.000	94	1993921	10.2	
84 Toluene	92	9.555	9.543	0.012	96	5917	0.0386	
85 trans-1,3-Dichloropropene	75		9.817				ND	
106 1,1,2-Trichloroethane	97		10.024				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.122	10.116	0.006	95	45973	0.6483	
109 2-Hexanone	43		10.250				ND	
111 Chlorodibromomethane	129		10.414				ND	
112 Ethylene Dibromide	107		10.530				ND	
* 113 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	86	1443850	10.0	
115 Chlorobenzene	112		11.000				ND	
116 1,1,1,2-Tetrachloroethane	131		11.085				ND	
117 Ethylbenzene	91		11.091				ND	7
119 m-Xylene & p-Xylene	106		11.207				ND	7
S 118 Xylenes, Total	106		11.245				ND	7
120 o-Xylene	106		11.542				ND	7
121 Styrene	104		11.561				ND	
122 Bromoform	173		11.719				ND	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.000	11.993	0.007	92	665453	9.31	
127 1,1,2,2-Tetrachloroethane	83		12.097				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.883	12.883	0.000	95	735915	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

MSV_LLcentISS_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 05-Jun-2025 13:41:41

Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X44.D

Injection Date: 05-Jun-2025 01:20:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: 410-224440-A-7

Lab Sample ID: 410-224440-7

Worklist Smp#: 15

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

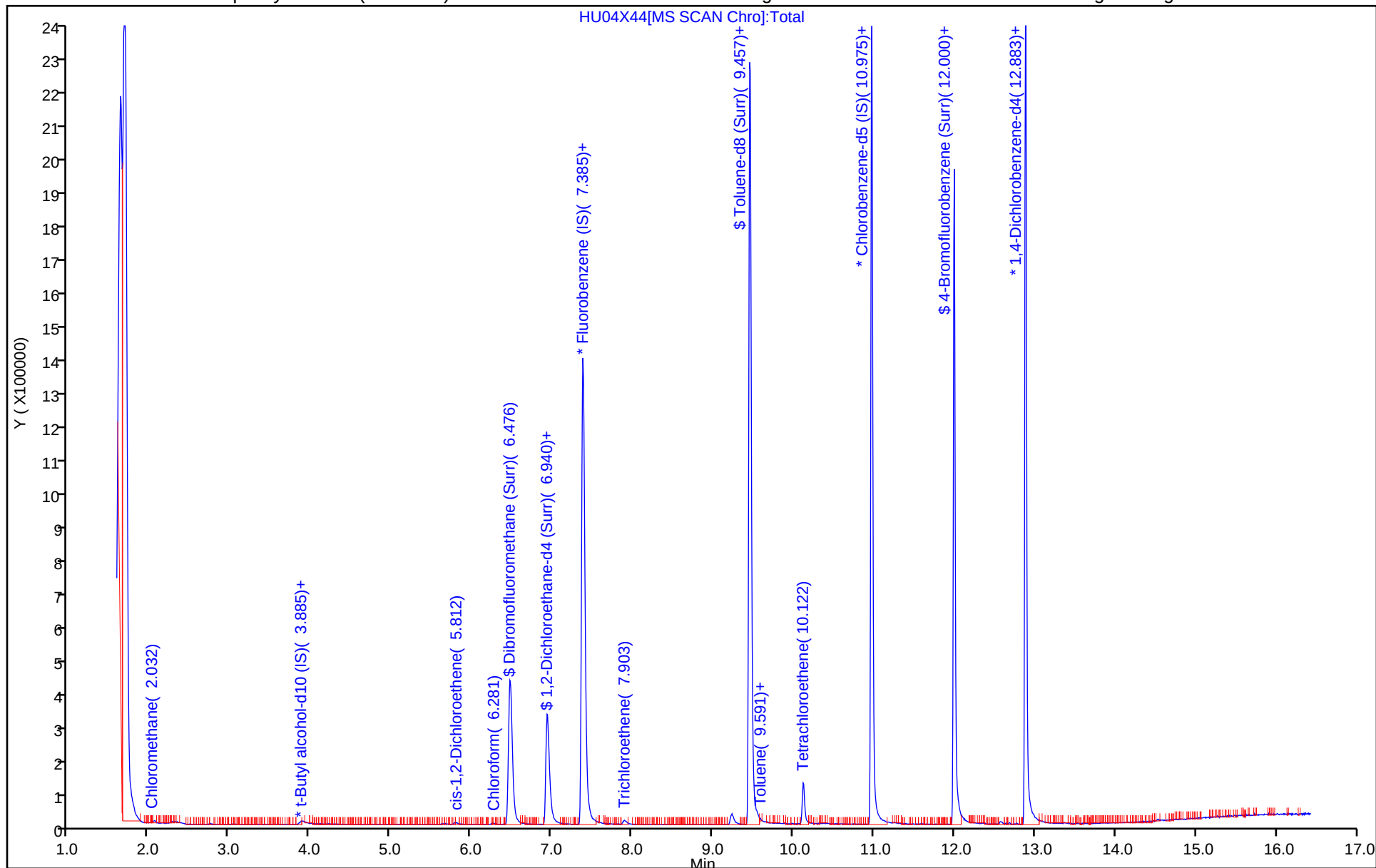
ALS Bottle#: 14

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X44.D
Lims ID: 410-224440-A-7
Client ID: HD-COD-SW-16-0/1-0
Sample Type: Client
Inject. Date: 05-Jun-2025 01:20:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149342-015
Operator ID: gaw91131 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 05-Jun-2025 13:41:41 Calib Date: 31-Mar-2025 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 13:41:41

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.3	103.30
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.6	106.39
\$ 83 Toluene-d8 (Surr)	10.0	10.2	102.07
\$ 126 4-Bromofluorobenzene (Surr)	10.0	9.31	93.07

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X44.D

Injection Date: 05-Jun-2025 01:20:30

Instrument ID: 19094

Lims ID: 410-224440-A-7

Lab Sample ID: 410-224440-7

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

Operator ID: gaw91131

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 25.000 mL

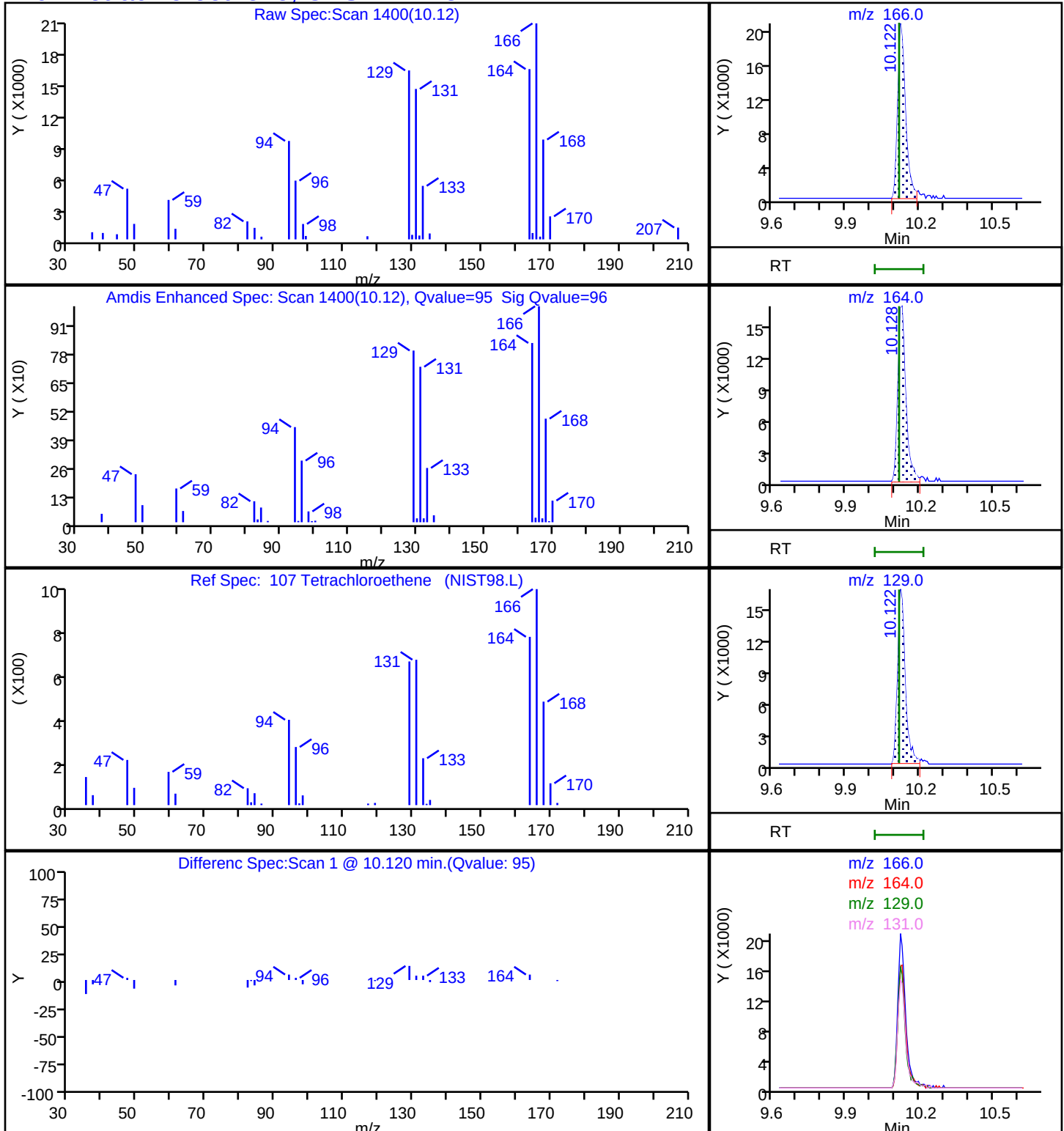
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

107 Tetrachloroethene, CAS: 127-18-4

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X44.D

Injection Date: 05-Jun-2025 01:20:30

Instrument ID: 19094

Lims ID: 410-224440-A-7

Lab Sample ID: 410-224440-7

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

Operator ID: gaw91131

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 25.000 mL

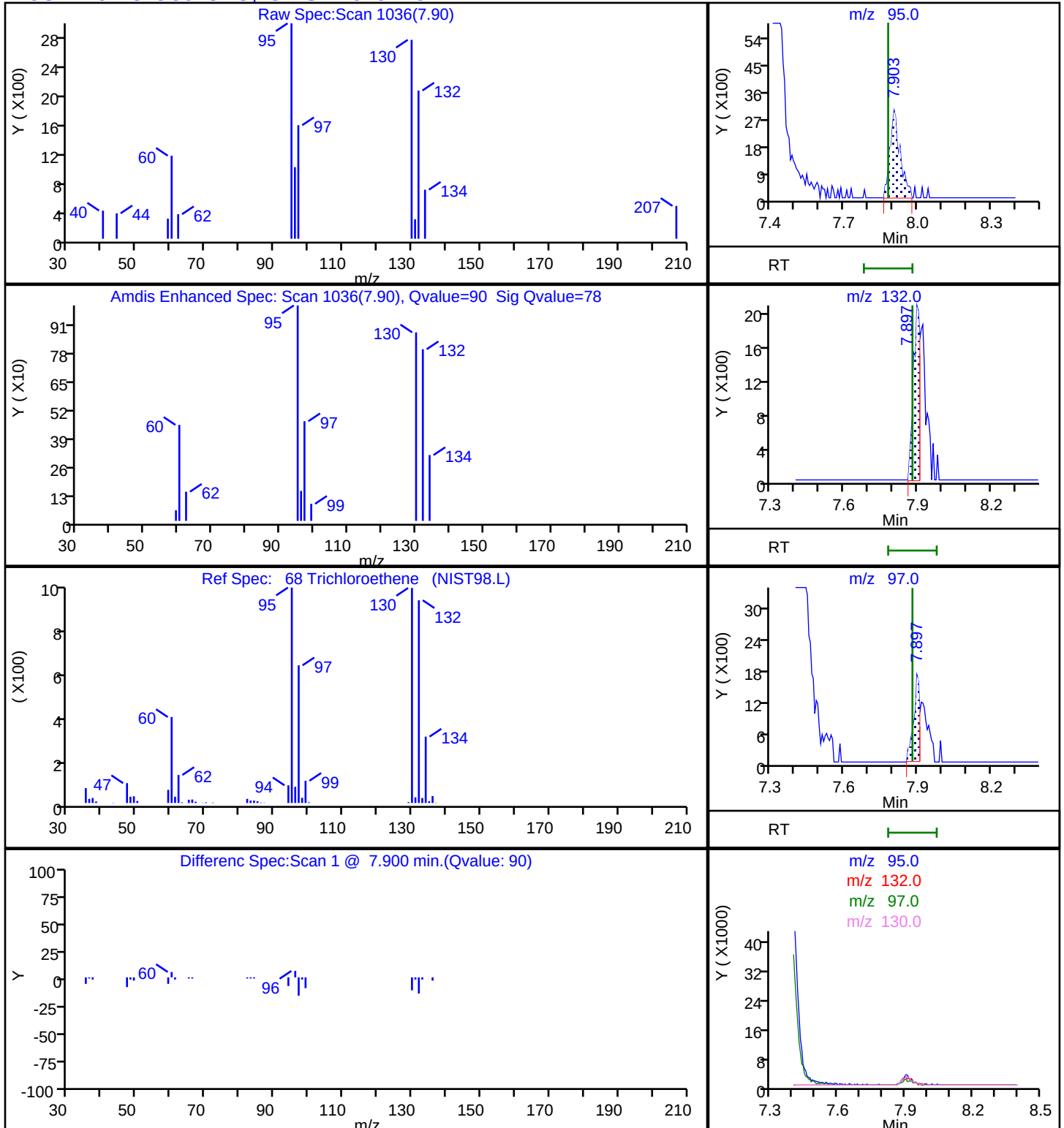
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 100m

MS Quad

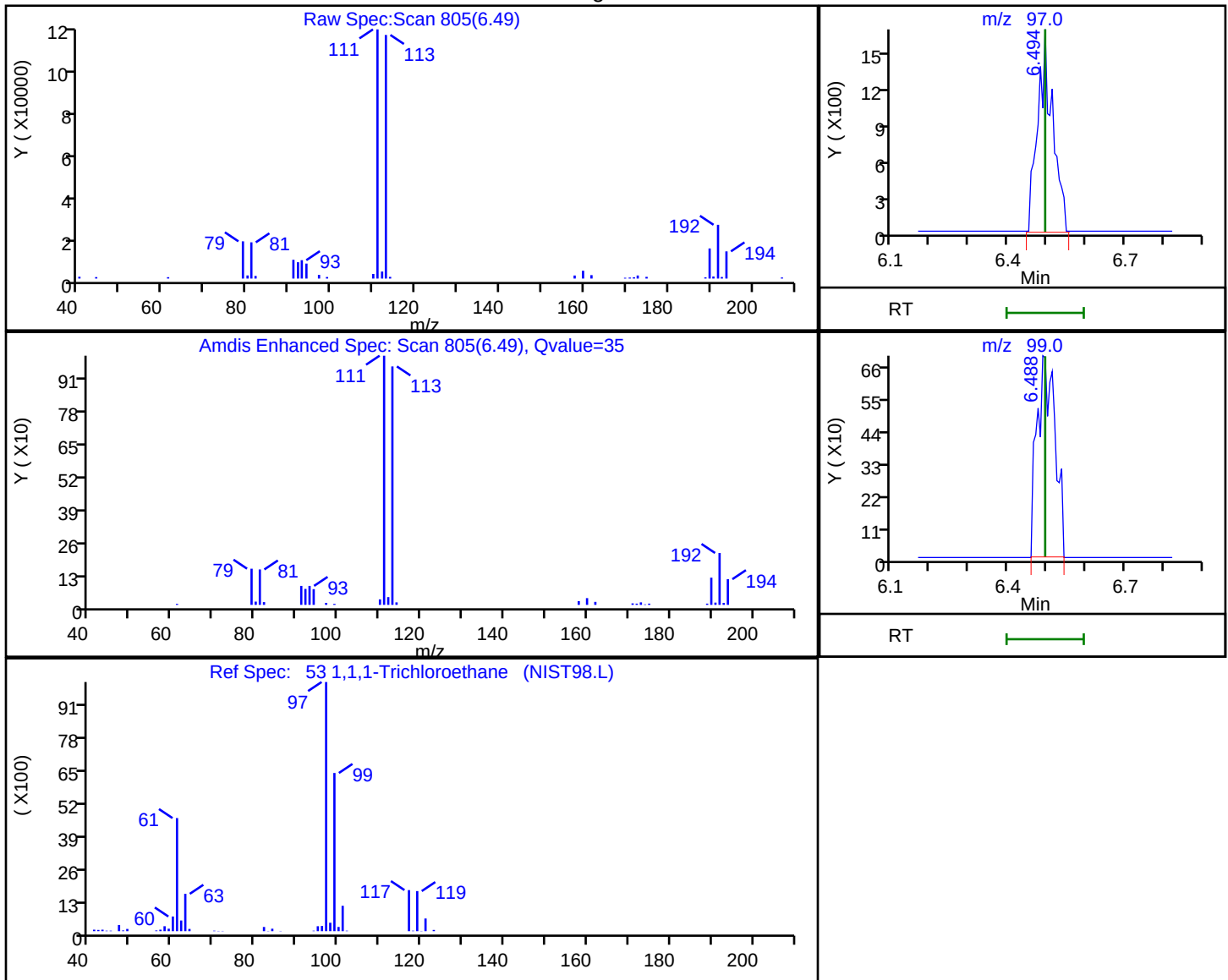
68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X44.D
Injection Date: 05-Jun-2025 01:20:30 Instrument ID: 19094
Lims ID: 410-224440-A-7 Lab Sample ID: 410-224440-7
Client ID: HD-COD-SW-16-0/1-0
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

53 1,1,1-Trichloroethane, CAS: 71-55-6

Processing Results



RT	Mass	Response	Amount
6.49	97.00	4338	0.049996
6.49	99.00	2259	

Reviewer: FQ4L, 05-Jun-2025 13:41:20 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

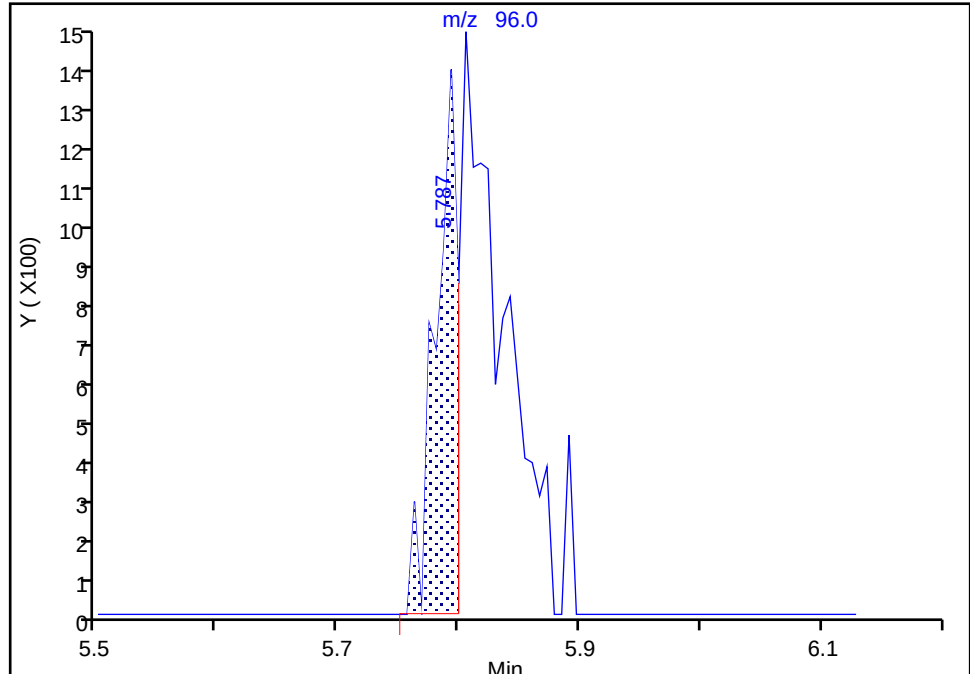
Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X44.D
Injection Date: 05-Jun-2025 01:20:30 Instrument ID: 19094
Lims ID: 410-224440-A-7 Lab Sample ID: 410-224440-7
Client ID: HD-COD-SW-16-0/1-0
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

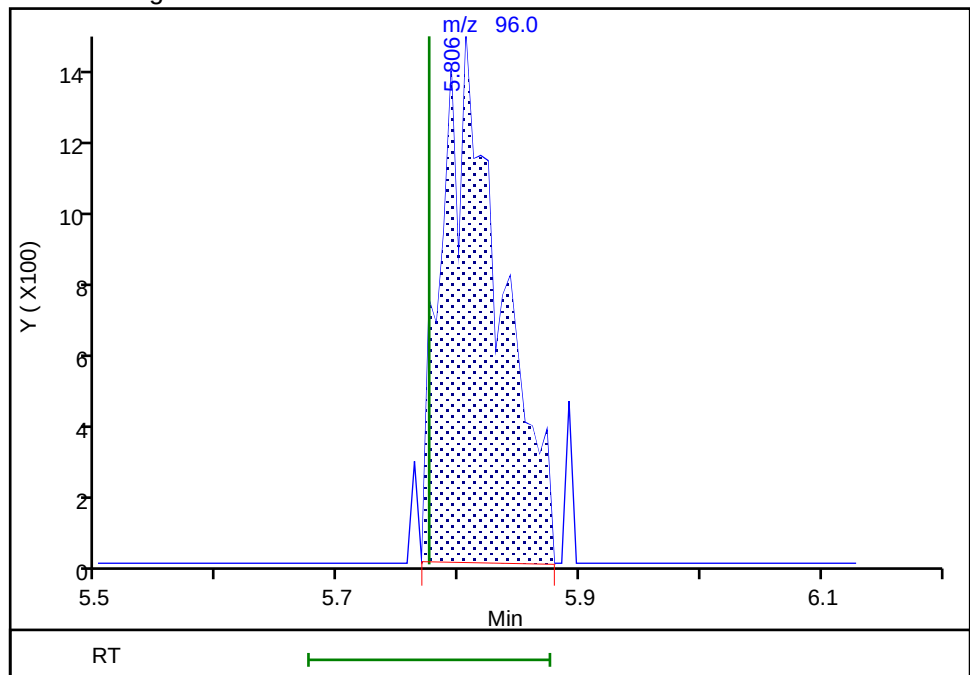
RT: 5.79
Area: 1723
Amount: 0.028084
Amount Units: ug/l

Processing Integration Results



RT: 5.81
Area: 4846
Amount: 0.078986
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 05-Jun-2025 13:41:15 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

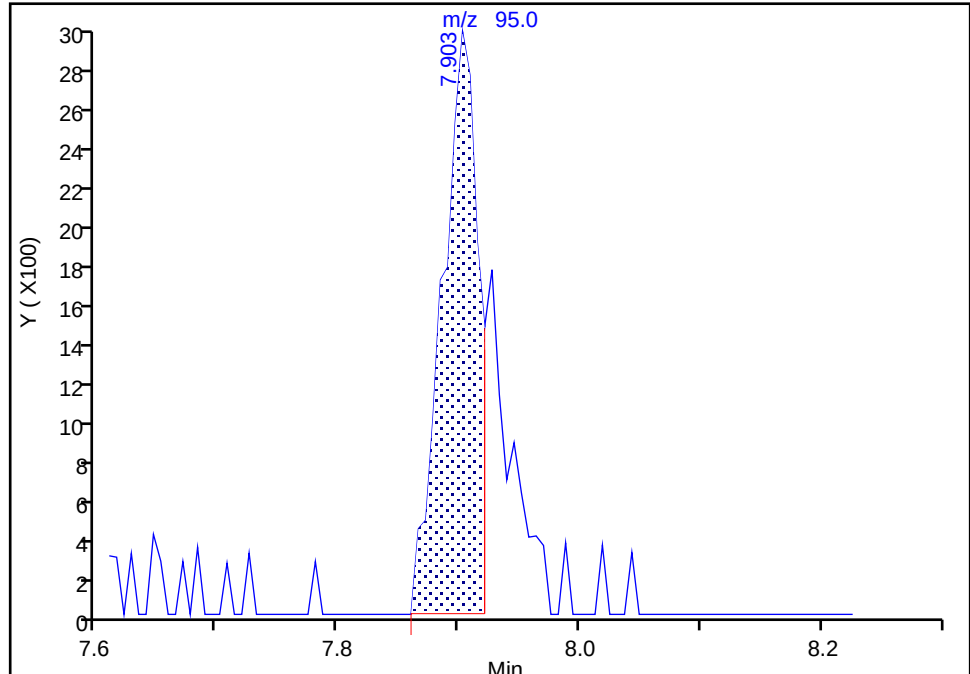
Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X44.D
Injection Date: 05-Jun-2025 01:20:30 Instrument ID: 19094
Lims ID: 410-224440-A-7 Lab Sample ID: 410-224440-7
Client ID: HD-COD-SW-16-0/1-0
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 Trichloroethene, CAS: 79-01-6

Signal: 1

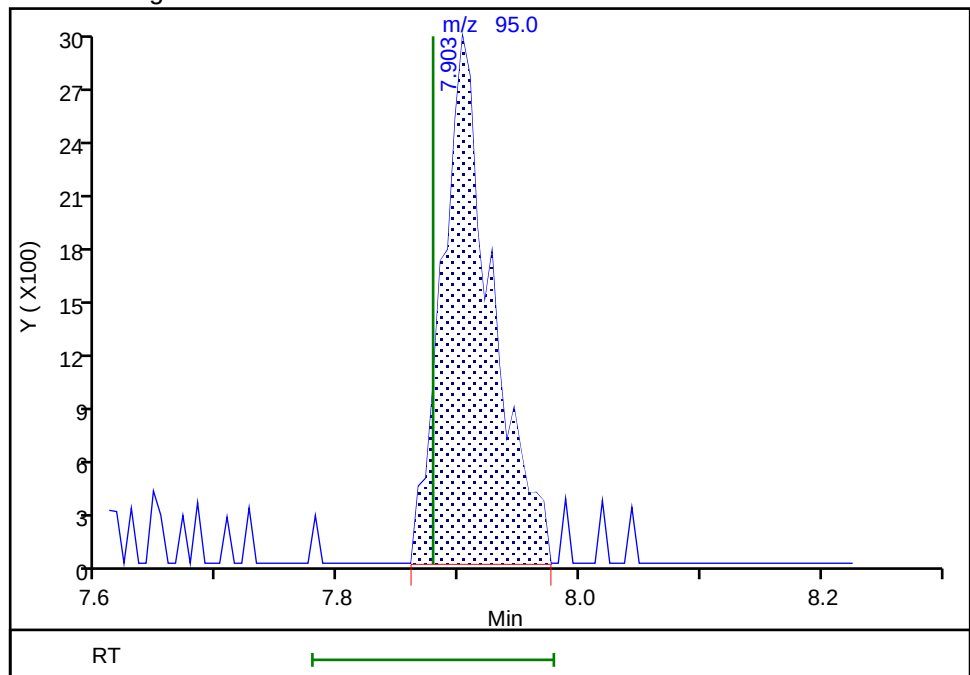
RT: 7.90
Area: 6143
Amount: 0.101003
Amount Units: ug/l

Processing Integration Results



RT: 7.90
Area: 8384
Amount: 0.137849
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 05-Jun-2025 13:41:28 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

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

Lab Sample ID: 410-224440-8

Matrix: Water

Lab File ID: HU04X55.D

Analysis Method: 8260D

Date Collected: 05/27/2025 10:18

Sample wt/vol: 25 (mL)

Date Analyzed: 06/05/2025 05:09

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 653082

Units: ug/L

Preparation Batch No.:

Instrument ID: 19094

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	12		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	2.0		0.50	0.10
75-35-4	1,1-Dichloroethene	0.90		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	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.17	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	2.3		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
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.: 410-224440-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-17-0/1-0 Lab Sample ID: 410-224440-8

Matrix: Water Lab File ID: HU04X55.D

Analysis Method: 8260D Date Collected: 05/27/2025 10:18

Sample wt/vol: 25 (mL) Date Analyzed: 06/05/2025 05:09

Soil Aliquot Vol: _____ Dilution Factor: 1

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

Purge Volume: 25.0 (mL) Heated Purge: (Y/N) N pH: _____

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

Analysis Batch No.: 653082 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 19094

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	4.4		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X55.D
 Lims ID: 410-224440-A-8
 Client ID: HD-COD-SW-17-0/1-0
 Sample Type: Client
 Inject. Date: 05-Jun-2025 05:09:30 ALS Bottle#: 25 Worklist Smp#: 26
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0149342-026
 Operator ID: gaw91131 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Jun-2025 09:16:31 Calib Date: 31-Mar-2025 18:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1645

First Level Reviewer: FQ4L

Date: 06-Jun-2025 09:21:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.038				ND	
6 Vinyl chloride	62		2.148				ND	7
9 Bromomethane	94		2.465				ND	
10 Chloroethane	64		2.514				ND	
17 1,1-Dichloroethene	96	3.282	3.288	-0.006	96	40767	0.9000	
19 Acetone	43		3.288				ND	
23 Carbon disulfide	76		3.568				ND	7
* 28 t-Butyl alcohol-d10 (IS)	65	3.879	3.879	0.000	94	54363	50.0	
27 Methylene Chloride	84		3.885				ND	
32 Methyl tert-butyl ether	73		4.257				ND	7
33 trans-1,2-Dichloroethene	96	4.287	4.281	0.006	16	1768	0.0348	
36 1,1-Dichloroethane	63	4.928	4.928	0.000	96	204756	2.02	
41 2-Butanone (MEK)	43		5.739				ND	
42 cis-1,2-Dichloroethene	96	5.775	5.775	0.000	80	137871	2.28	
48 Chlorobromomethane	128		6.104				ND	
50 Chloroform	83	6.269	6.263	0.006	92	16450	0.1740	
\$ 52 Dibromofluoromethane (Surr)	113	6.470	6.476	-0.006	94	443918	10.5	
53 1,1,1-Trichloroethane	97	6.482	6.494	-0.012	98	1015419	11.9	
56 Carbon tetrachloride	117		6.714				ND	7
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.939	6.940	-0.001	47	79617	10.6	
59 Benzene	78		6.970				ND	7
60 1,2-Dichloroethane	62		7.043				ND	
* 64 Fluorobenzene (IS)	96	7.384	7.385	-0.001	99	1954417	10.0	
68 Trichloroethene	95	7.878	7.878	0.000	99	266632	4.44	
70 1,2-Dichloropropane	63		8.208				ND	
76 Dichlorobromomethane	83		8.561				ND	
80 cis-1,3-Dichloropropene	75		9.134				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.311				ND	
\$ 83 Toluene-d8 (Surr)	98	9.457	9.457	0.000	94	1961700	10.1	
84 Toluene	92		9.543				ND	7
85 trans-1,3-Dichloropropene	75		9.817				ND	
106 1,1,2-Trichloroethane	97		10.024				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.116	10.116	0.000	98	13377966	190.1	E
109 2-Hexanone	43		10.250				ND	
111 Chlorodibromomethane	129		10.414				ND	7
112 Ethylene Dibromide	107		10.530				ND	
* 113 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	86	1432987	10.0	
115 Chlorobenzene	112		11.000				ND	7
116 1,1,1,2-Tetrachloroethane	131		11.085				ND	
117 Ethylbenzene	91		11.091				ND	7
119 m-Xylene & p-Xylene	106		11.207				ND	
S 118 Xylenes, Total	106		11.245				ND	7
120 o-Xylene	106		11.542				ND	
121 Styrene	104		11.561				ND	
122 Bromoform	173		11.719				ND	
\$ 126 4-Bromofluorobenzene (Surr)	95	11.999	11.993	0.006	91	657501	9.27	
127 1,1,2,2-Tetrachloroethane	83		12.097				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.889	12.883	0.006	95	720984	10.0	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Reagents:

MSV_LLcentISS_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 06-Jun-2025 09:21:48

Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X55.D

Injection Date: 05-Jun-2025 05:09:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: 410-224440-A-8

Lab Sample ID: 410-224440-8

Worklist Smp#: 26

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

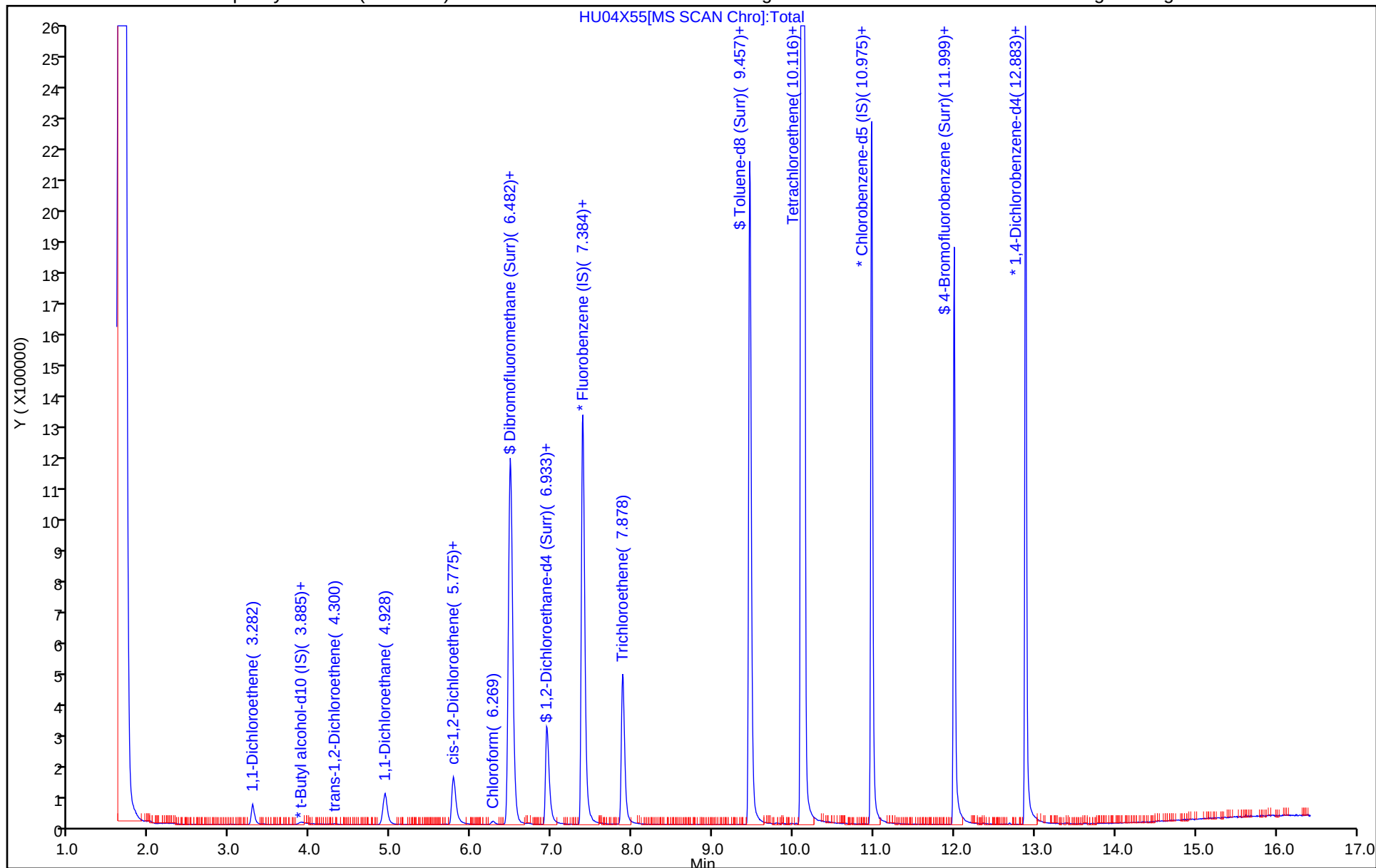
ALS Bottle#: 25

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X55.D
Lims ID: 410-224440-A-8
Client ID: HD-COD-SW-17-0/1-0
Sample Type: Client
Inject. Date: 05-Jun-2025 05:09:30 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149342-026
Operator ID: gaw91131 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:16:31 Calib Date: 31-Mar-2025 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: FQ4L

Date: 06-Jun-2025 09:21:47

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.5	104.58
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.6	105.93
\$ 83 Toluene-d8 (Surr)	10.0	10.1	101.18
\$ 126 4-Bromofluorobenzene (Surr)	10.0	9.27	92.65

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X55.D

Injection Date: 05-Jun-2025 05:09:30

Instrument ID: 19094

Lims ID: 410-224440-A-8

Lab Sample ID: 410-224440-8

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

Operator ID: gaw91131

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 25.000 mL

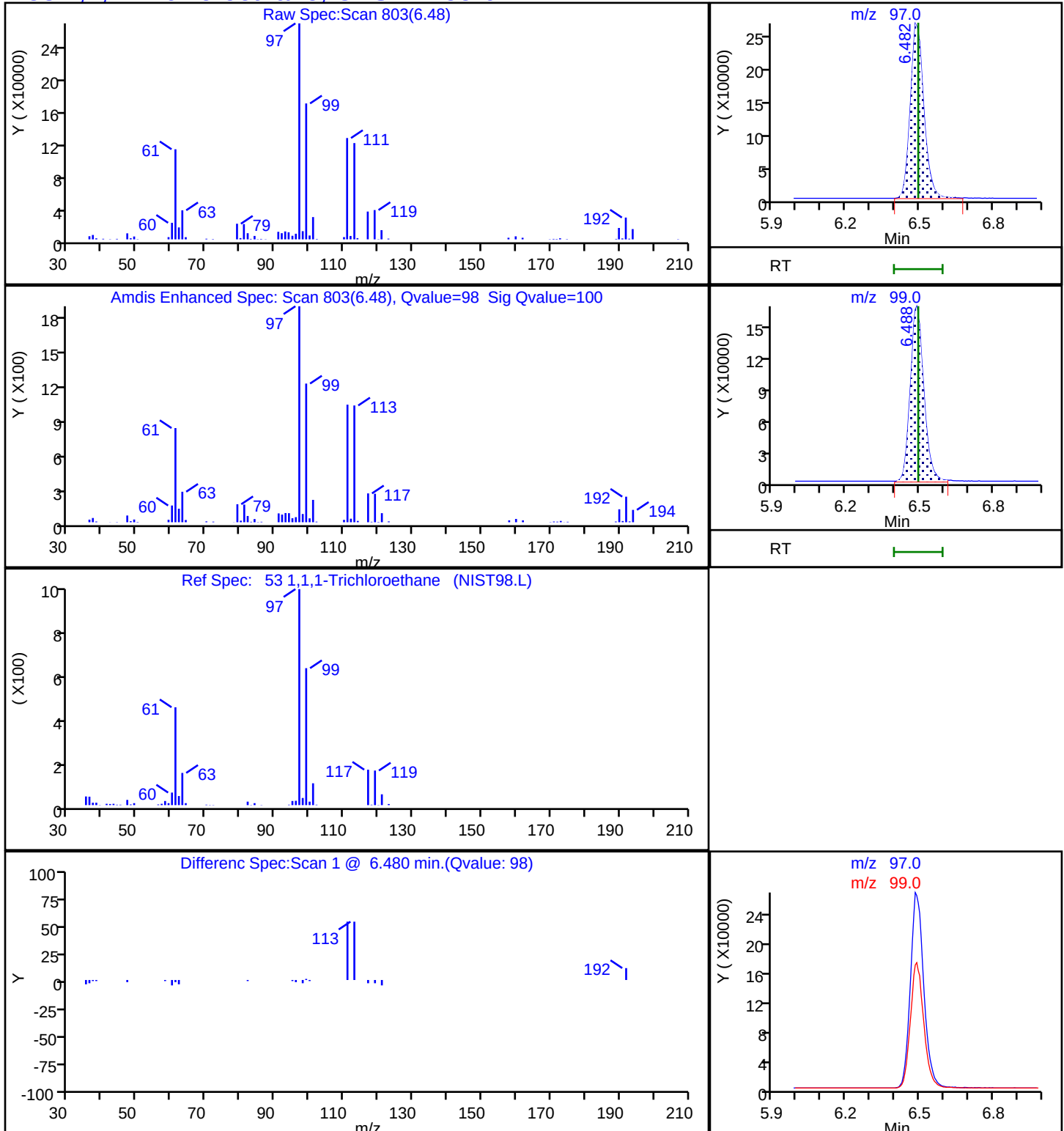
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

53 1,1,1-Trichloroethane, CAS: 71-55-6

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X55.D

Injection Date: 05-Jun-2025 05:09:30

Instrument ID: 19094

Lims ID: 410-224440-A-8

Lab Sample ID: 410-224440-8

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

Operator ID: gaw91131

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 25.000 mL

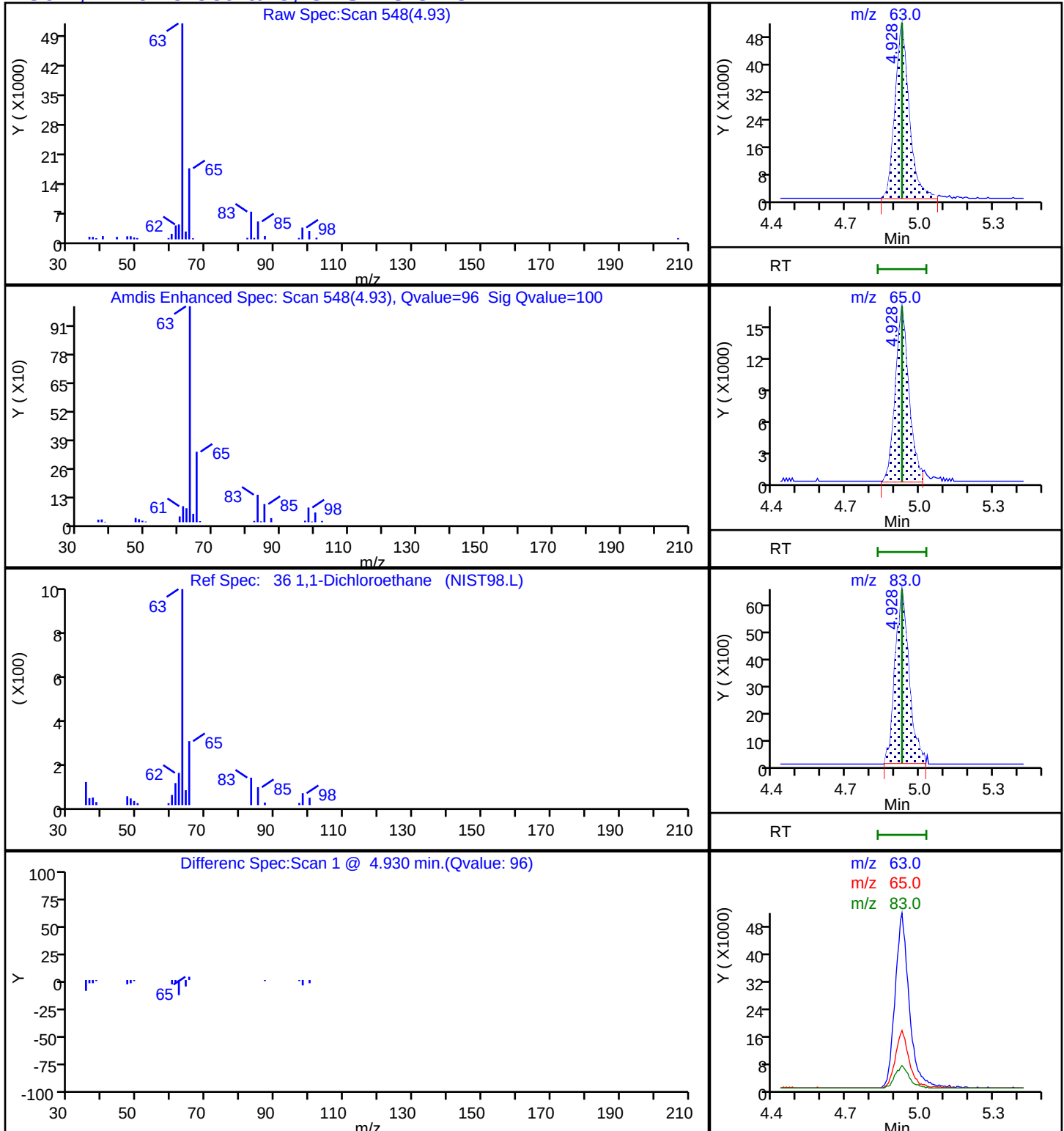
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 100m

MS Quad

36 1,1-Dichloroethane, CAS: 75-34-3

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X55.D

Injection Date: 05-Jun-2025 05:09:30

Instrument ID: 19094

Lims ID: 410-224440-A-8

Lab Sample ID: 410-224440-8

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

Operator ID: gaw91131

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 25.000 mL

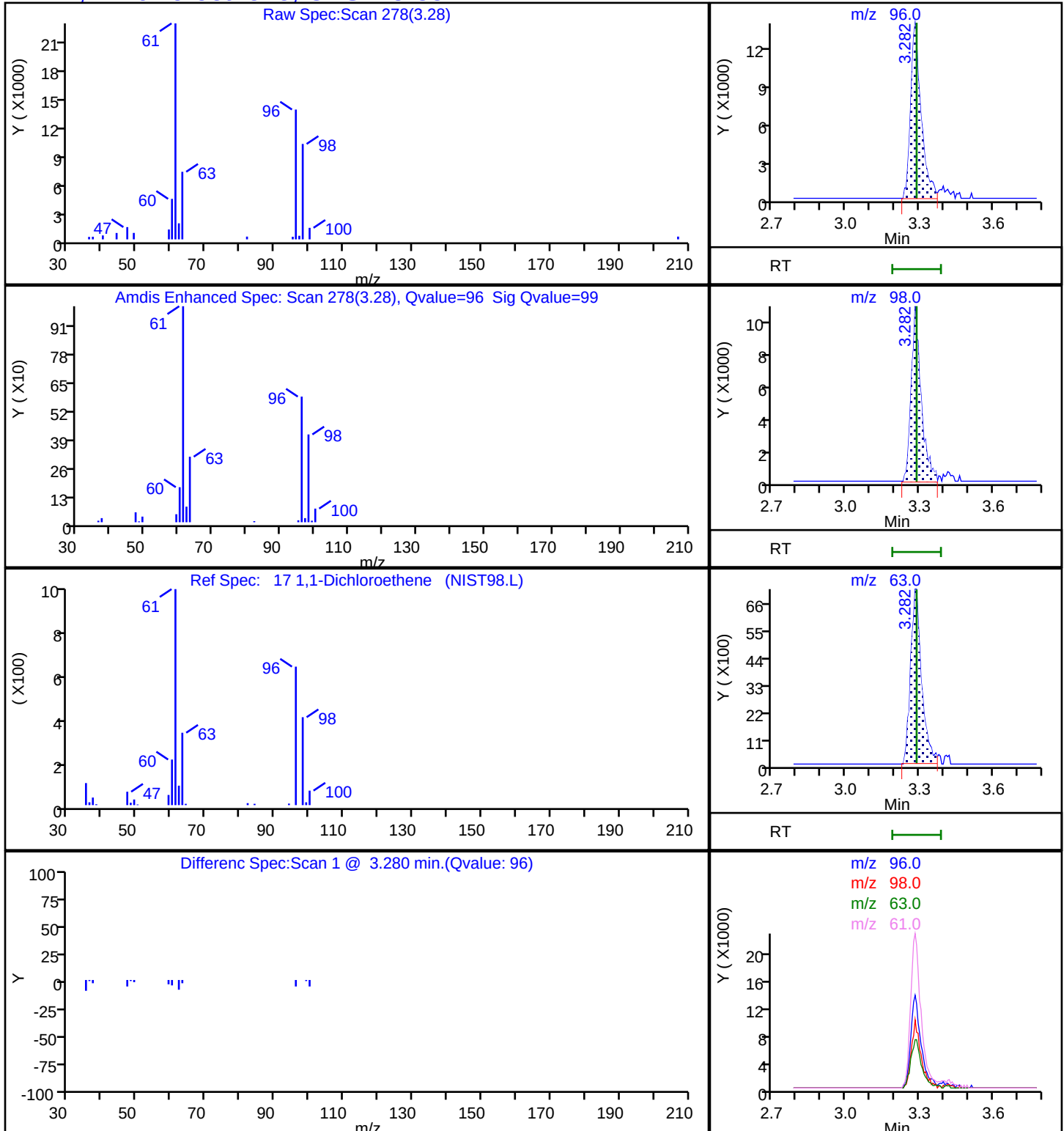
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

17 1,1-Dichloroethene, CAS: 75-35-4

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X55.D

Injection Date: 05-Jun-2025 05:09:30

Instrument ID: 19094

Lims ID: 410-224440-A-8

Lab Sample ID: 410-224440-8

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

Operator ID: gaw91131

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 25.000 mL

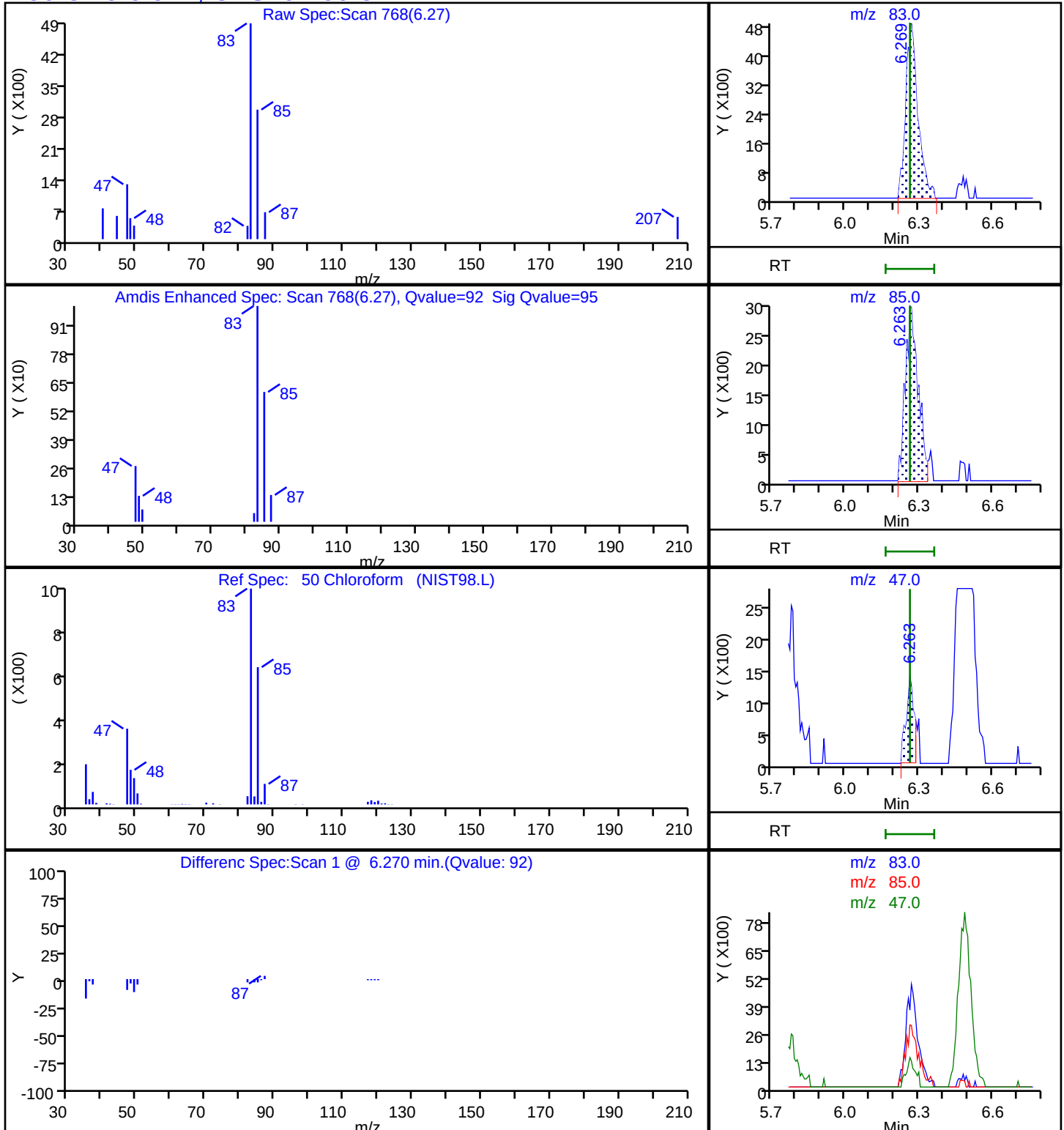
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

50 Chloroform, CAS: 67-66-3

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X55.D

Injection Date: 05-Jun-2025 05:09:30

Instrument ID: 19094

Lims ID: 410-224440-A-8

Lab Sample ID: 410-224440-8

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

Operator ID: gaw91131

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 25.000 mL

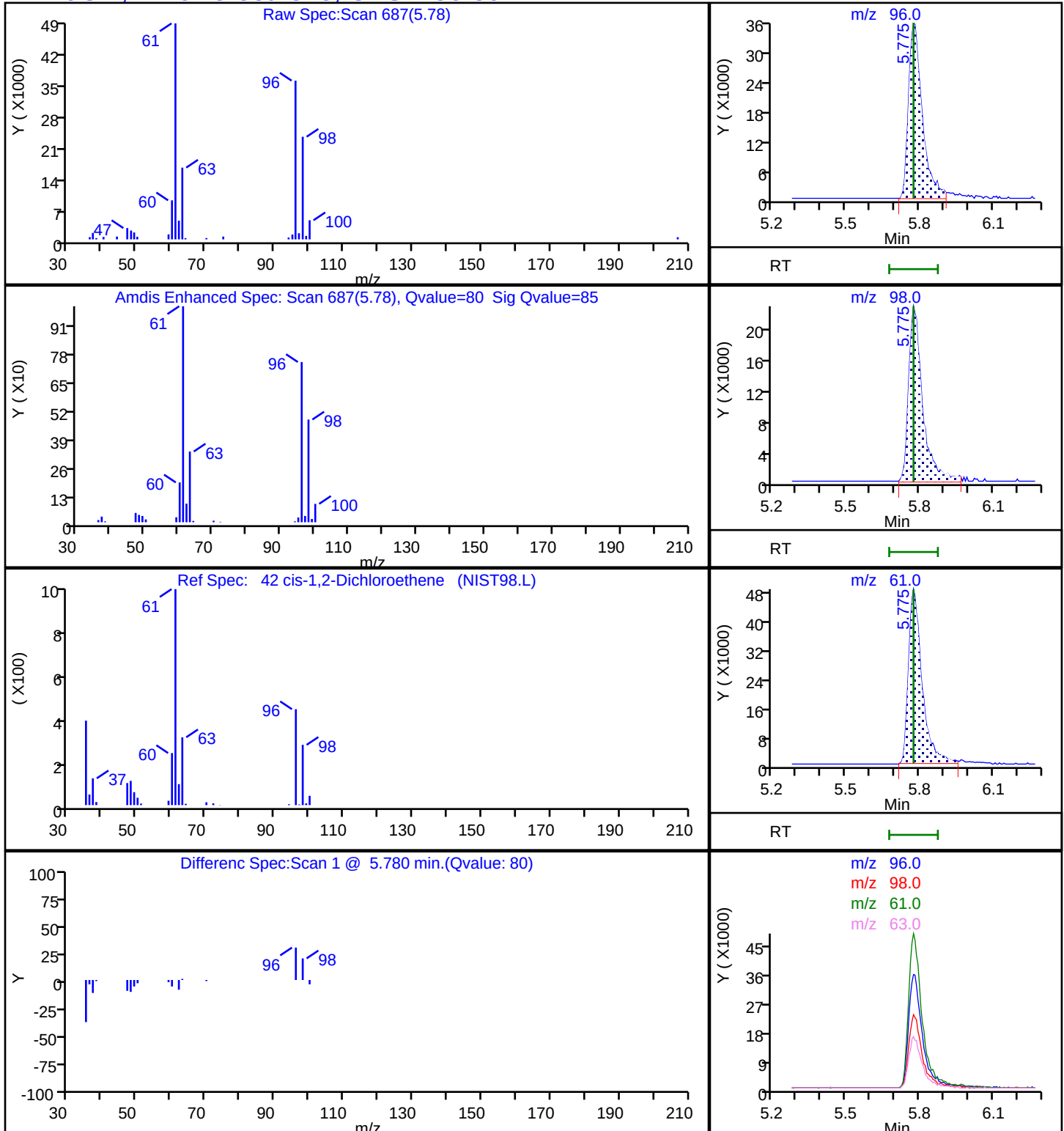
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 100m

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X55.D

Injection Date: 05-Jun-2025 05:09:30

Instrument ID: 19094

Lims ID: 410-224440-A-8

Lab Sample ID: 410-224440-8

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

Operator ID: gaw91131

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 25.000 mL

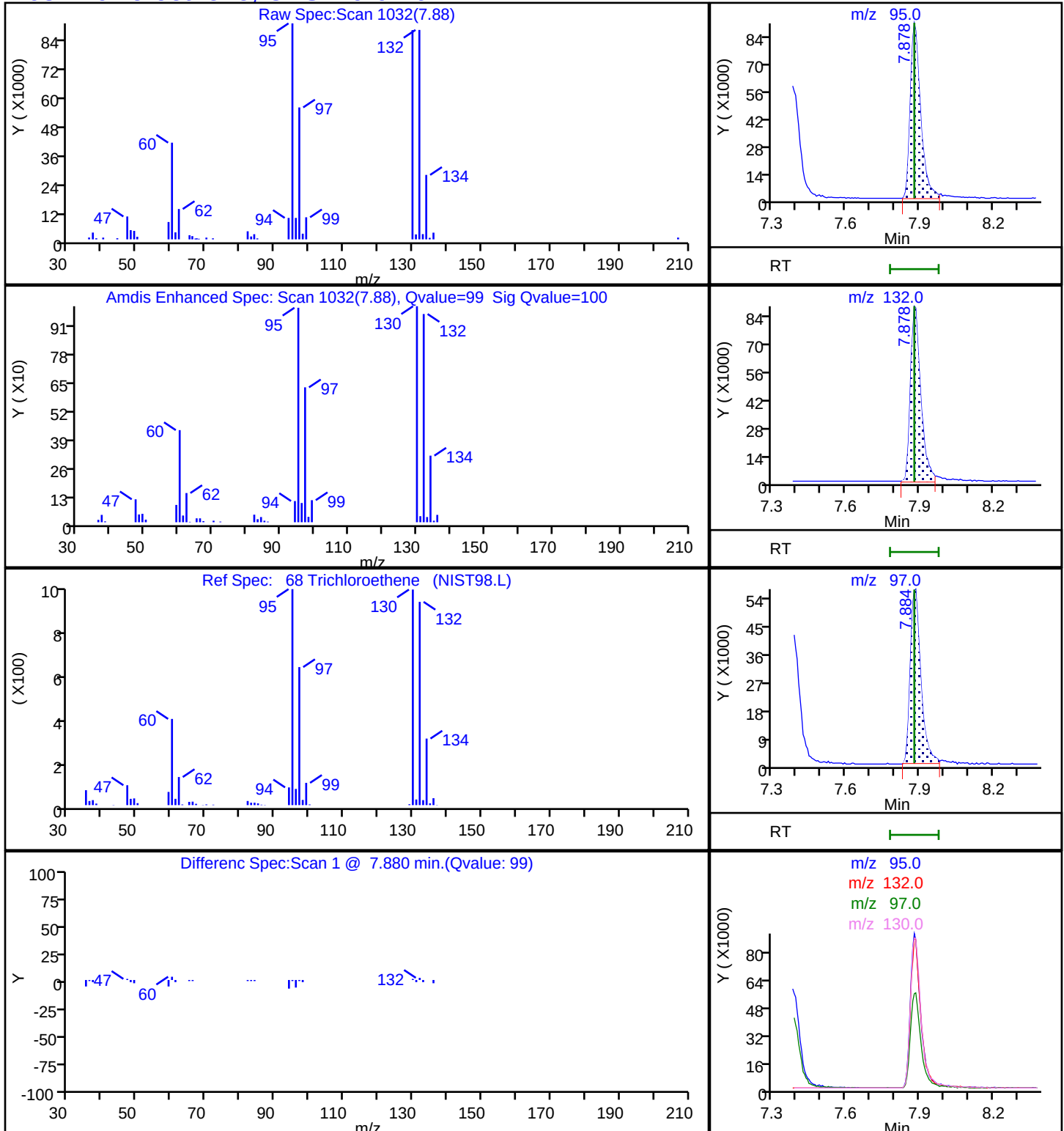
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

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.: 410-224440-1

SDG No.:

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

Lab Sample ID: 410-224440-8 DL

Matrix: Water

Lab File ID: HU04X56.D

Analysis Method: 8260D

Date Collected: 05/27/2025 10:18

Sample wt/vol: 25 (mL)

Date Analyzed: 06/05/2025 05:30

Soil Aliquot Vol:

Dilution Factor: 20

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.: 653082

Units: ug/L

Preparation Batch No.:

Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	150		10	4.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	91		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		80-120
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X56.D
 Lims ID: 410-224440-B-8 DL
 Client ID: HD-COD-SW-17-0/1-0
 Sample Type: Client
 Inject. Date: 05-Jun-2025 05:30:30 ALS Bottle#: 26 Worklist Smp#: 27
 Purge Vol: 25.000 mL Dil. Factor: 20.0000
 Sample Info: 410-0149342-027
 Operator ID: gaw91131 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Jun-2025 09:22:37 Calib Date: 31-Mar-2025 18:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1645

First Level Reviewer: FQ4L

Date: 06-Jun-2025 09:22:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.038				ND	
6 Vinyl chloride	62		2.148				ND	
9 Bromomethane	94		2.465				ND	
10 Chloroethane	64		2.514				ND	
17 1,1-Dichloroethene	96	3.294	3.288	0.006	27	1631	0.0373	
19 Acetone	43		3.288				ND	
23 Carbon disulfide	76		3.568				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.909	3.879	0.030	96	46177	50.0	
27 Methylene Chloride	84		3.885				ND	
32 Methyl tert-butyl ether	73		4.257				ND	
33 trans-1,2-Dichloroethene	96		4.281				ND	
36 1,1-Dichloroethane	63	4.964	4.928	0.036	1	8224	0.0840	
41 2-Butanone (MEK)	43		5.739				ND	
42 cis-1,2-Dichloroethene	96	5.811	5.775	0.036	77	5663	0.0970	
48 Chlorobromomethane	128		6.104				ND	
50 Chloroform	83	6.269	6.263	0.006	93	28539	0.3128	
\$ 52 Dibromofluoromethane (Surr)	113	6.482	6.476	0.006	93	422370	10.3	
53 1,1,1-Trichloroethane	97	6.500	6.494	0.006	39	39971	0.4839	
56 Carbon tetrachloride	117		6.714				ND	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.945	6.940	0.005	47	74500	10.3	
59 Benzene	78		6.970				ND	
60 1,2-Dichloroethane	62		7.043				ND	
* 64 Fluorobenzene (IS)	96	7.384	7.385	-0.001	99	1885913	10.0	
68 Trichloroethene	95	7.903	7.878	0.025	95	11143	0.1925	M
70 1,2-Dichloropropane	63		8.208				ND	
76 Dichlorobromomethane	83		8.561				ND	
80 cis-1,3-Dichloropropene	75		9.134				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.311				ND	
\$ 83 Toluene-d8 (Surr)	98	9.457	9.457	0.000	94	1897167	10.4	
84 Toluene	92		9.543				ND	
85 trans-1,3-Dichloropropene	75		9.817				ND	
106 1,1,2-Trichloroethane	97		10.024				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.116	10.116	0.000	98	494246	7.45	
109 2-Hexanone	43		10.250				ND	
111 Chlorodibromomethane	129		10.414				ND	7
112 Ethylene Dibromide	107		10.530				ND	
* 113 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	86	1351543	10.0	
115 Chlorobenzene	112		11.000				ND	
116 1,1,1,2-Tetrachloroethane	131		11.085				ND	
117 Ethylbenzene	91		11.091				ND	
119 m-Xylene & p-Xylene	106		11.207				ND	
S 118 Xylenes, Total	106		11.245				ND	7
120 o-Xylene	106		11.542				ND	
121 Styrene	104		11.561				ND	
122 Bromoform	173		11.719				ND	
\$ 126 4-Bromofluorobenzene (Surr)	95	11.999	11.993	0.006	91	609802	9.11	
127 1,1,2,2-Tetrachloroethane	83		12.097				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.889	12.883	0.006	95	683602	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

MSV_LLcentISS_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 06-Jun-2025 09:22:38

Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X56.D

Injection Date: 05-Jun-2025 05:30:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: 410-224440-B-8 DL

Lab Sample ID: 410-224440-8

Worklist Smp#: 27

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

Purge Vol: 25.000 mL

Dil. Factor: 20.0000

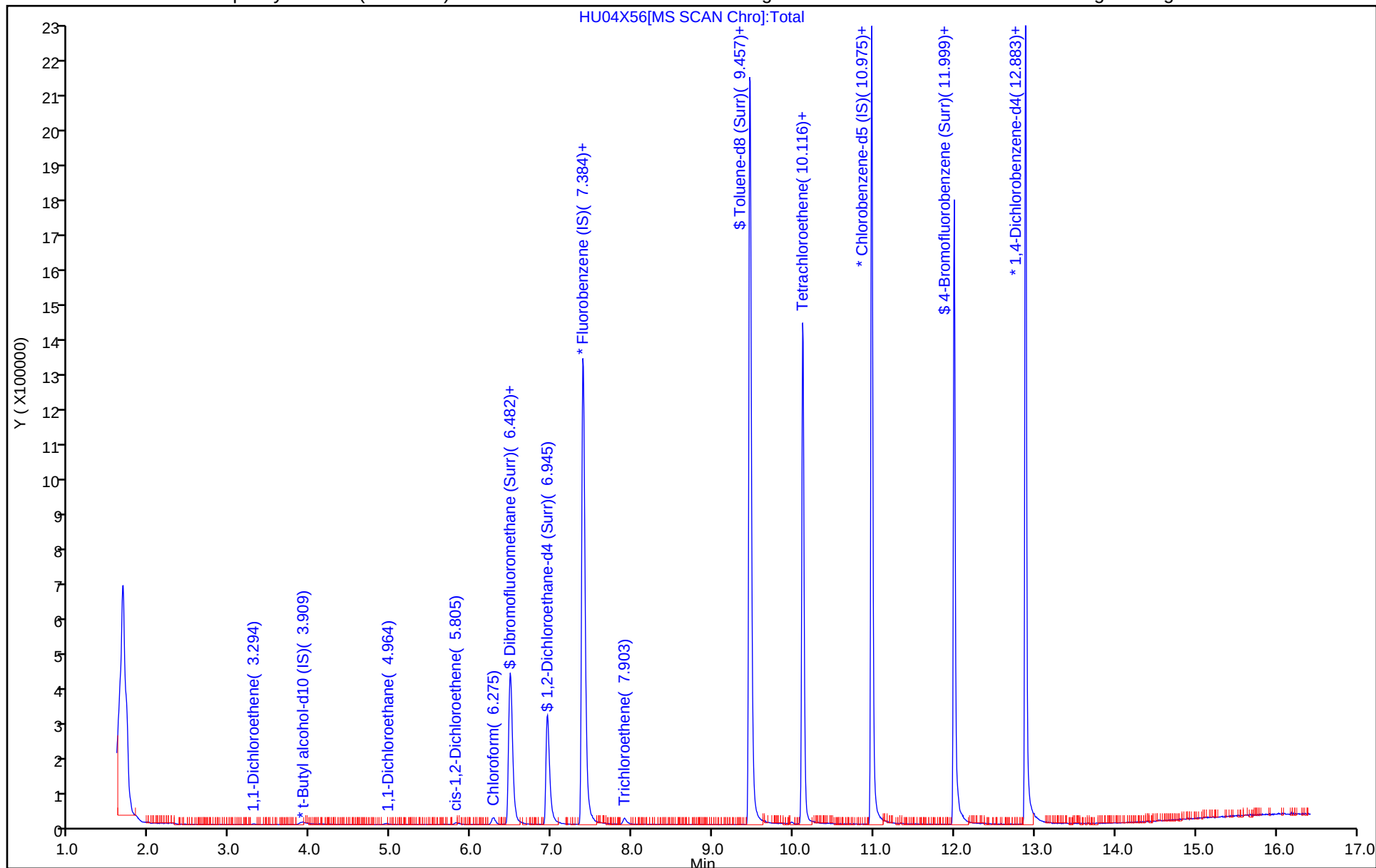
ALS Bottle#: 26

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X56.D
Lims ID: 410-224440-B-8 DL
Client ID: HD-COD-SW-17-0/1-0
Sample Type: Client
Inject. Date: 05-Jun-2025 05:30:30 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 25.000 mL Dil. Factor: 20.0000
Sample Info: 410-0149342-027
Operator ID: gaw91131 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:22:37 Calib Date: 31-Mar-2025 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: FQ4L

Date: 06-Jun-2025 09:22:37

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.3	103.12
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.3	102.72
\$ 83 Toluene-d8 (Surr)	10.0	10.4	103.75
\$ 126 4-Bromofluorobenzene (Surr)	10.0	9.11	91.11

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X56.D

Injection Date: 05-Jun-2025 05:30:30

Instrument ID: 19094

Lims ID: 410-224440-B-8 DL

Lab Sample ID: 410-224440-8

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

Operator ID: gaw91131

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 25.000 mL

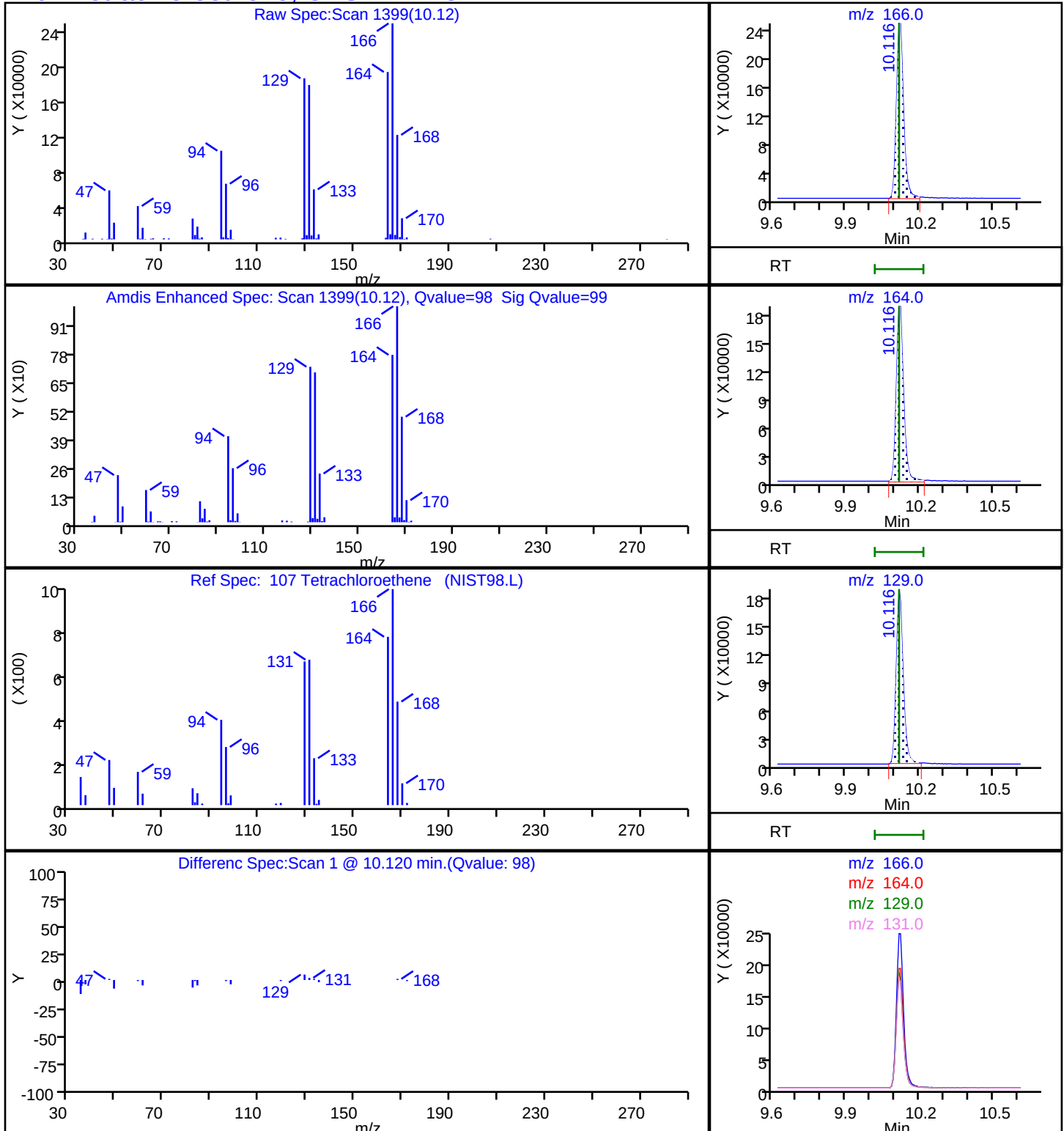
Dil. Factor: 20.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

107 Tetrachloroethene, CAS: 127-18-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

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

Lab Sample ID: 410-224440-9

Matrix: Water

Lab File ID: HU04X45.D

Analysis Method: 8260D

Date Collected: 05/27/2025 11:00

Sample wt/vol: 25 (mL)

Date Analyzed: 06/05/2025 01:41

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 653082

Units: ug/L

Preparation Batch No.:

Instrument ID: 19094

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	1.5
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	0.64		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	3.3		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-26-0/1-0 Lab Sample ID: 410-224440-9

Matrix: Water Lab File ID: HU04X45.D

Analysis Method: 8260D Date Collected: 05/27/2025 11:00

Sample wt/vol: 25 (mL) Date Analyzed: 06/05/2025 01:41

Soil Aliquot Vol: _____ Dilution Factor: 1

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

Purge Volume: 25.0 (mL) Heated Purge: (Y/N) N pH: _____

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

Analysis Batch No.: 653082 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
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	0.14	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)	103		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)	104		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X45.D
 Lims ID: 410-224440-A-9
 Client ID: HD-COD-SW-26-0/1-0
 Sample Type: Client
 Inject. Date: 05-Jun-2025 01:41:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0149342-016
 Operator ID: gaw91131 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-Jun-2025 13:43:59 Calib Date: 31-Mar-2025 18:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 13:43:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.038				ND	7
6 Vinyl chloride	62		2.148				ND	
9 Bromomethane	94		2.465				ND	
10 Chloroethane	64		2.514				ND	
17 1,1-Dichloroethene	96	3.288	3.288	0.000	92	3924	0.0869	
19 Acetone	43		3.288				ND	
23 Carbon disulfide	76		3.568				ND	7
* 28 t-Butyl alcohol-d10 (IS)	65	3.891	3.879	0.012	96	53585	50.0	
27 Methylene Chloride	84		3.885				ND	
32 Methyl tert-butyl ether	73		4.257				ND	
33 trans-1,2-Dichloroethene	96		4.281				ND	
36 1,1-Dichloroethane	63		4.928				ND	7
41 2-Butanone (MEK)	43		5.739				ND	
42 cis-1,2-Dichloroethene	96	5.824	5.775	0.049	1	1624	0.0269	
48 Chlorobromomethane	128		6.104				ND	
50 Chloroform	83	6.275	6.263	0.012	93	59959	0.6363	
\$ 52 Dibromofluoromethane (Surr)	113	6.482	6.476	0.006	94	431199	10.2	
53 1,1,1-Trichloroethane	97		6.494				ND	7
56 Carbon tetrachloride	117		6.714				ND	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.939	6.940	-0.001	46	76954	10.3	
59 Benzene	78		6.970				ND	7
60 1,2-Dichloroethane	62		7.043				ND	
* 64 Fluorobenzene (IS)	96	7.385	7.385	0.000	99	1947913	10.0	
68 Trichloroethene	95	7.903	7.878	0.025	94	8306	0.1389	M
70 1,2-Dichloropropane	63		8.208				ND	
76 Dichlorobromomethane	83		8.561				ND	7
80 cis-1,3-Dichloropropene	75		9.134				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.311				ND	
\$ 83 Toluene-d8 (Surr)	98	9.457	9.457	0.000	94	1947474	10.4	
84 Toluene	92	9.549	9.543	0.006	98	4741	0.0324	
85 trans-1,3-Dichloropropene	75		9.817				ND	
106 1,1,2-Trichloroethane	97		10.024				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.122	10.116	0.006	97	222638	3.29	
109 2-Hexanone	43		10.250				ND	
111 Chlorodibromomethane	129		10.414				ND	
112 Ethylene Dibromide	107		10.530				ND	
* 113 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	86	1378515	10.0	
115 Chlorobenzene	112		11.000				ND	7
116 1,1,1,2-Tetrachloroethane	131		11.085				ND	
117 Ethylbenzene	91		11.091				ND	7
119 m-Xylene & p-Xylene	106		11.207				ND	7
S 118 Xylenes, Total	106		11.245				ND	7
120 o-Xylene	106		11.542				ND	7
121 Styrene	104		11.561				ND	
122 Bromoform	173		11.719				ND	
\$ 126 4-Bromofluorobenzene (Surr)	95	11.999	11.993	0.006	91	644285	9.44	
127 1,1,2,2-Tetrachloroethane	83		12.097				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.890	12.883	0.007	95	704669	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_LLcentISS_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 05-Jun-2025 13:44:00

Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X45.D

Injection Date: 05-Jun-2025 01:41:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: 410-224440-A-9

Lab Sample ID: 410-224440-9

Worklist Smp#: 16

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

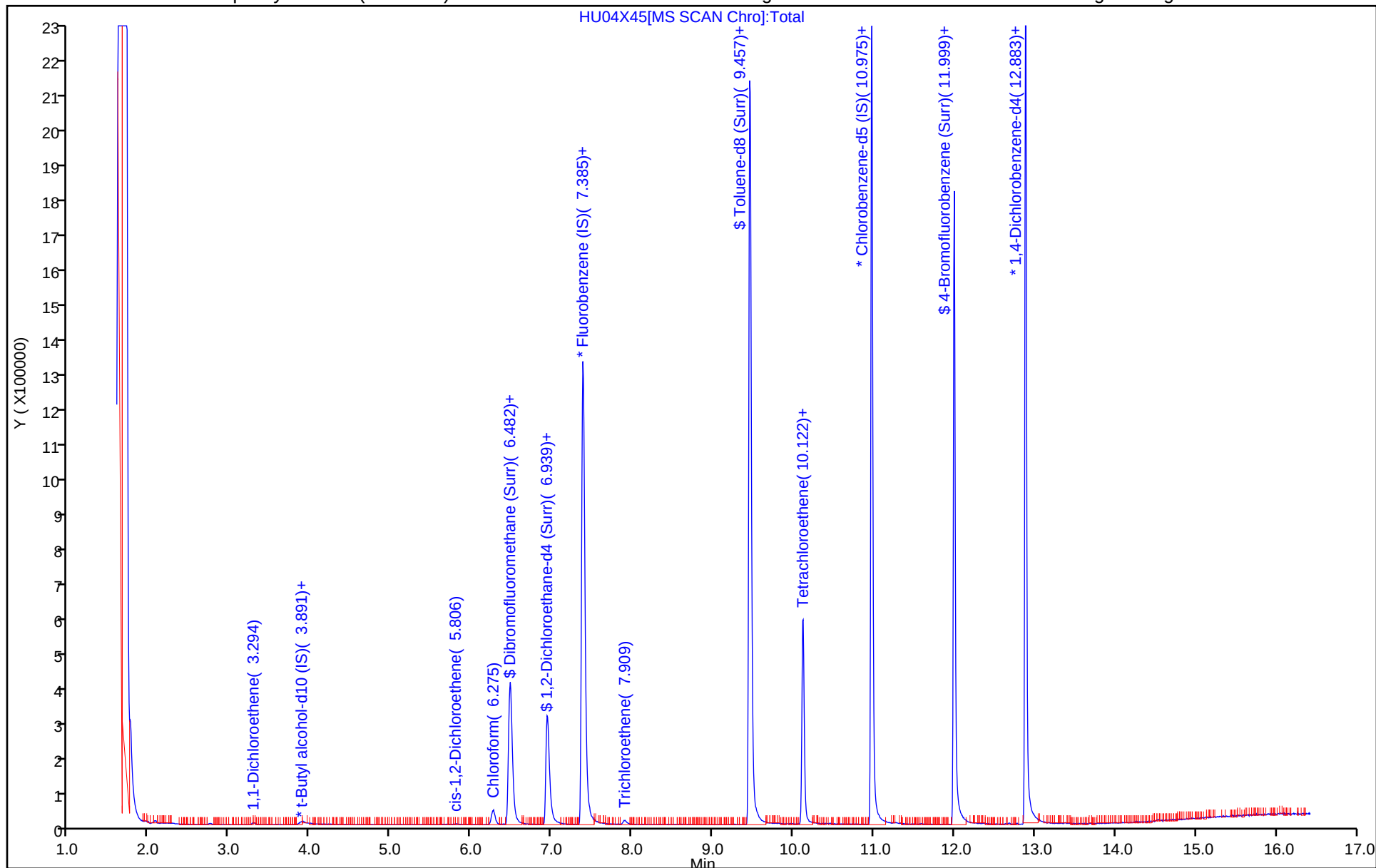
ALS Bottle#: 15

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X45.D
Lims ID: 410-224440-A-9
Client ID: HD-COD-SW-26-0/1-0
Sample Type: Client
Inject. Date: 05-Jun-2025 01:41:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149342-016
Operator ID: gaw91131 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 05-Jun-2025 13:43:59 Calib Date: 31-Mar-2025 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 13:43:59

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.2	101.92
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.3	102.73
\$ 83 Toluene-d8 (Surr)	10.0	10.4	104.42
\$ 126 4-Bromofluorobenzene (Surr)	10.0	9.44	94.38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X45.D

Injection Date: 05-Jun-2025 01:41:30

Instrument ID: 19094

Lims ID: 410-224440-A-9

Lab Sample ID: 410-224440-9

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

Operator ID: gaw91131

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

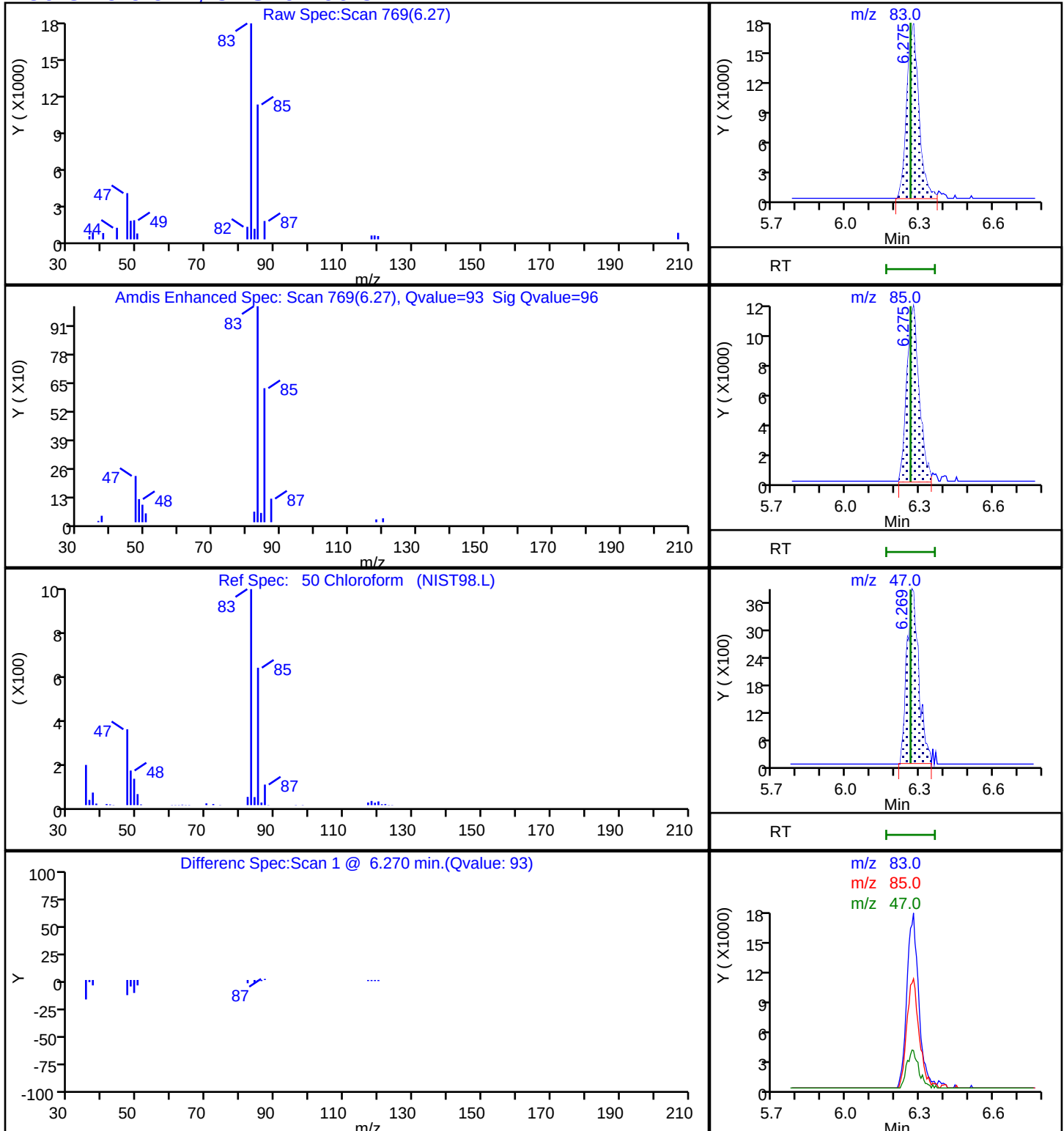
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 100m

MS Quad

50 Chloroform, CAS: 67-66-3

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X45.D

Injection Date: 05-Jun-2025 01:41:30

Instrument ID: 19094

Lims ID: 410-224440-A-9

Lab Sample ID: 410-224440-9

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

Operator ID: gaw91131

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

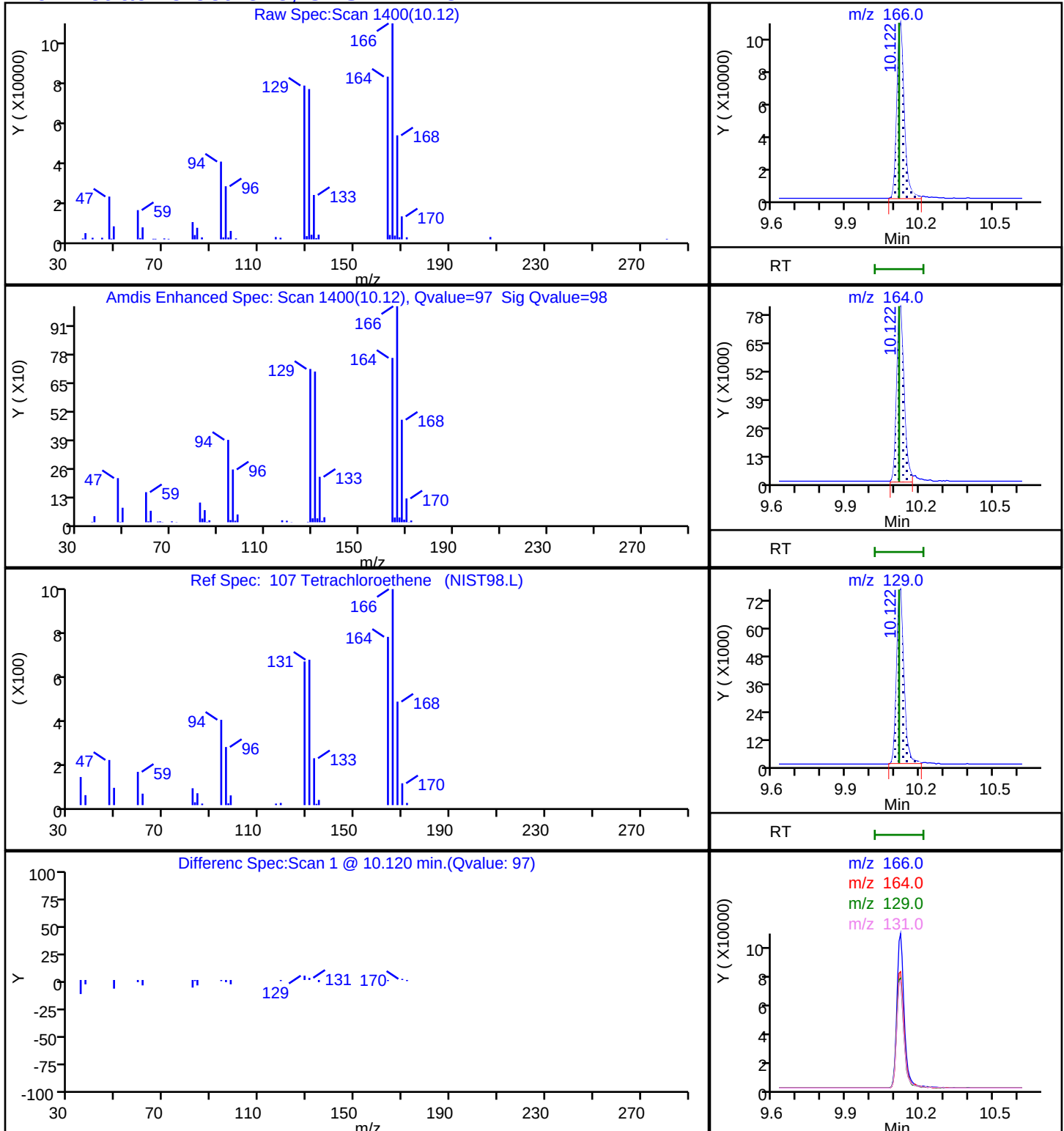
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

107 Tetrachloroethene, CAS: 127-18-4

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X45.D

Injection Date: 05-Jun-2025 01:41:30

Instrument ID: 19094

Lims ID: 410-224440-A-9

Lab Sample ID: 410-224440-9

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

Operator ID: gaw91131

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

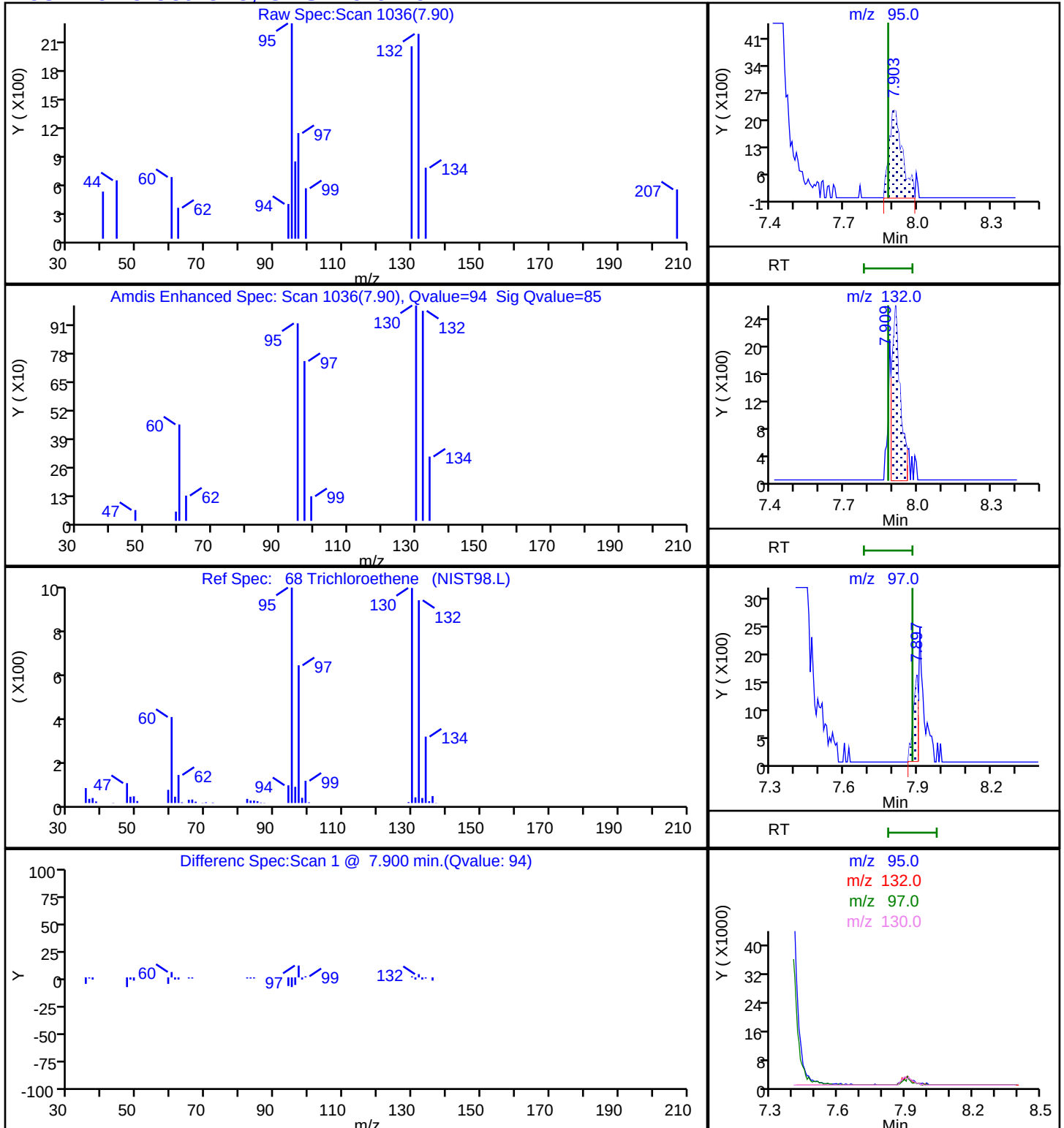
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

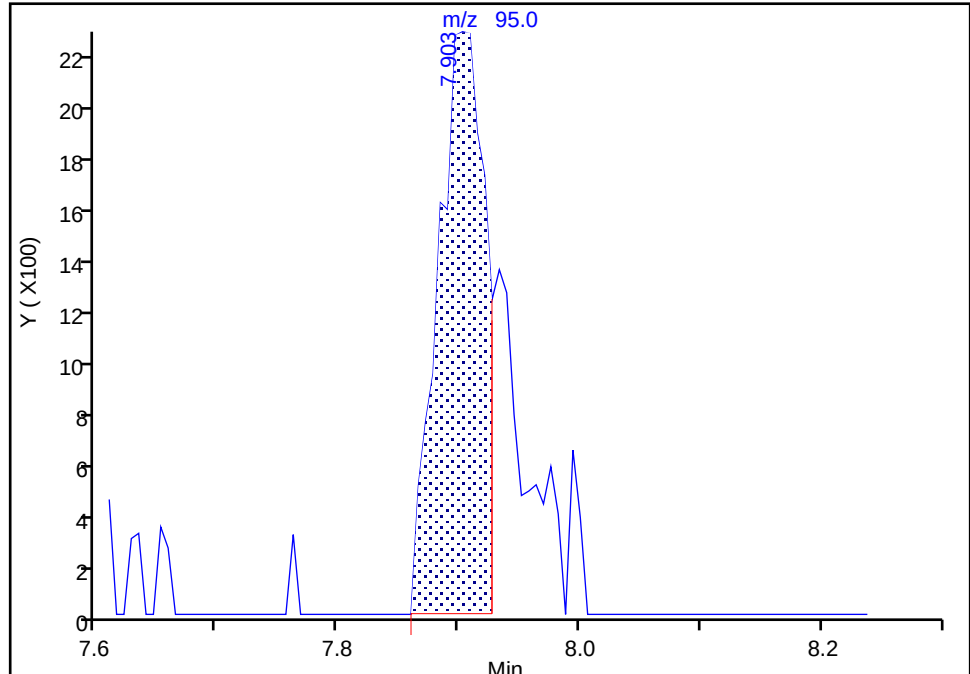
Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X45.D
Injection Date: 05-Jun-2025 01:41:30 Instrument ID: 19094
Lims ID: 410-224440-A-9 Lab Sample ID: 410-224440-9
Client ID: HD-COD-SW-26-0/1-0
Operator ID: gaw91131 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 Trichloroethene, CAS: 79-01-6

Signal: 1

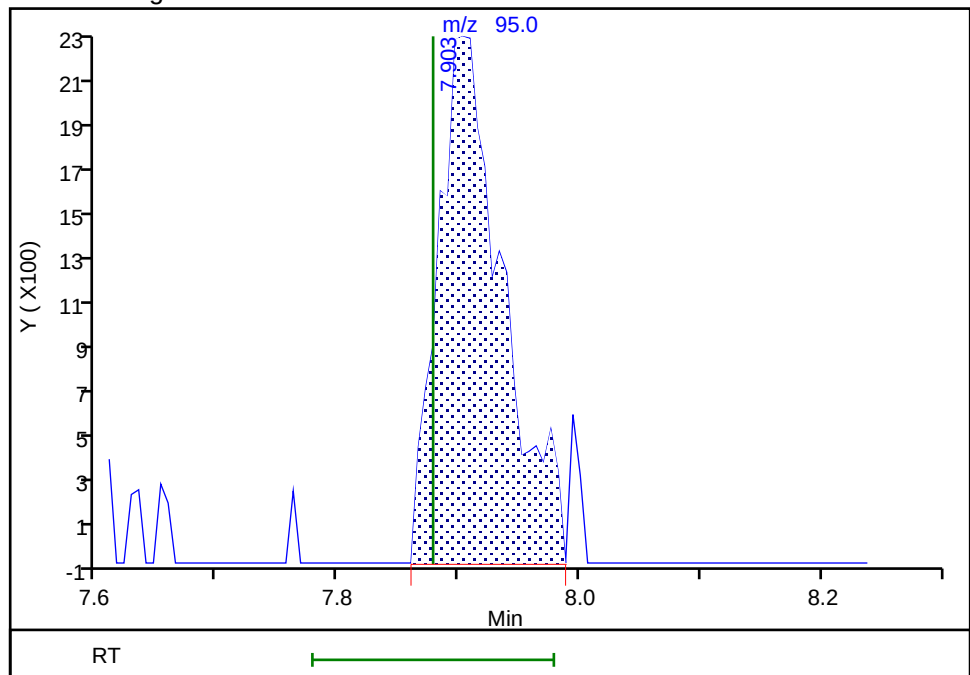
RT: 7.90
Area: 6076
Amount: 0.101600
Amount Units: ug/l

Processing Integration Results



RT: 7.90
Area: 8306
Amount: 0.138889
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 05-Jun-2025 13:43:48 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

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

Lab Sample ID: 410-224440-10

Matrix: Water

Lab File ID: HU04X46.D

Analysis Method: 8260D

Date Collected: 05/27/2025 11:30

Sample wt/vol: 25 (mL)

Date Analyzed: 06/05/2025 02:02

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.: 653082

Units: ug/L

Preparation Batch No.:

Instrument ID: 19094

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	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	0.20	J	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	1.4		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.13	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.61		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-27-0/1-0 Lab Sample ID: 410-224440-10

Matrix: Water Lab File ID: HU04X46.D

Analysis Method: 8260D Date Collected: 05/27/2025 11:30

Sample wt/vol: 25 (mL) Date Analyzed: 06/05/2025 02:02

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.: 653082 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
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)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		80-120
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X46.D
 Lims ID: 410-224440-A-10
 Client ID: HD-COD-SW-27-0/1-0
 Sample Type: Client
 Inject. Date: 05-Jun-2025 02:02:30 ALS Bottle#: 16 Worklist Smp#: 17
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0149342-017
 Operator ID: gaw91131 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-Jun-2025 13:49:29 Calib Date: 31-Mar-2025 18:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 13:49:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.038				ND	7
6 Vinyl chloride	62		2.148				ND	
9 Bromomethane	94		2.465				ND	
10 Chloroethane	64		2.514				ND	
17 1,1-Dichloroethene	96		3.288				ND	7
19 Acetone	43		3.288				ND	
23 Carbon disulfide	76		3.568				ND	7
* 28 t-Butyl alcohol-d10 (IS)	65	3.903	3.879	0.024	97	55731	50.0	
27 Methylene Chloride	84		3.885				ND	
32 Methyl tert-butyl ether	73		4.257				ND	
33 trans-1,2-Dichloroethene	96		4.281				ND	
36 1,1-Dichloroethane	63		4.928				ND	7
41 2-Butanone (MEK)	43		5.739				ND	
42 cis-1,2-Dichloroethene	96	5.812	5.775	0.037	79	7998	0.1331	
48 Chlorobromomethane	128		6.104				ND	
50 Chloroform	83	6.257	6.263	-0.006	93	129777	1.38	
\$ 52 Dibromofluoromethane (Surr)	113	6.476	6.476	0.000	94	438269	10.4	
53 1,1,1-Trichloroethane	97		6.494				ND	7
56 Carbon tetrachloride	117		6.714				ND	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.939	6.940	-0.001	46	76564	10.3	
59 Benzene	78		6.970				ND	7
60 1,2-Dichloroethane	62		7.043				ND	
* 64 Fluorobenzene (IS)	96	7.384	7.385	-0.001	99	1940641	10.0	
68 Trichloroethene	95	7.897	7.878	0.019	98	12992	0.2181	
70 1,2-Dichloropropane	63		8.208				ND	
76 Dichlorobromomethane	83	8.585	8.561	0.024	94	12402	0.1996	M
80 cis-1,3-Dichloropropene	75		9.134				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.311				ND	
\$ 83 Toluene-d8 (Surr)	98	9.457	9.457	0.000	94	1955027	10.4	
84 Toluene	92	9.543	9.543	0.000	95	6680	0.0453	
85 trans-1,3-Dichloropropene	75		9.817				ND	
106 1,1,2-Trichloroethane	97		10.024				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.122	10.116	0.006	97	41849	0.6138	
109 2-Hexanone	43		10.250				ND	
111 Chlorodibromomethane	129		10.414				ND	7
112 Ethylene Dibromide	107		10.530				ND	
* 113 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	87	1388142	10.0	
115 Chlorobenzene	112		11.000				ND	
116 1,1,1,2-Tetrachloroethane	131		11.085				ND	
117 Ethylbenzene	91		11.091				ND	7
119 m-Xylene & p-Xylene	106		11.207				ND	7
S 118 Xylenes, Total	106		11.245				ND	7
120 o-Xylene	106		11.542				ND	7
121 Styrene	104		11.561				ND	
122 Bromoform	173		11.719				ND	
\$ 126 4-Bromofluorobenzene (Surr)	95	11.999	11.993	0.006	91	637884	9.28	
127 1,1,2,2-Tetrachloroethane	83		12.097				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.889	12.883	0.006	95	705881	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_LLcentISS_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 05-Jun-2025 13:49:30

Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X46.D

Injection Date: 05-Jun-2025 02:02:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: 410-224440-A-10

Lab Sample ID: 410-224440-10

Worklist Smp#: 17

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

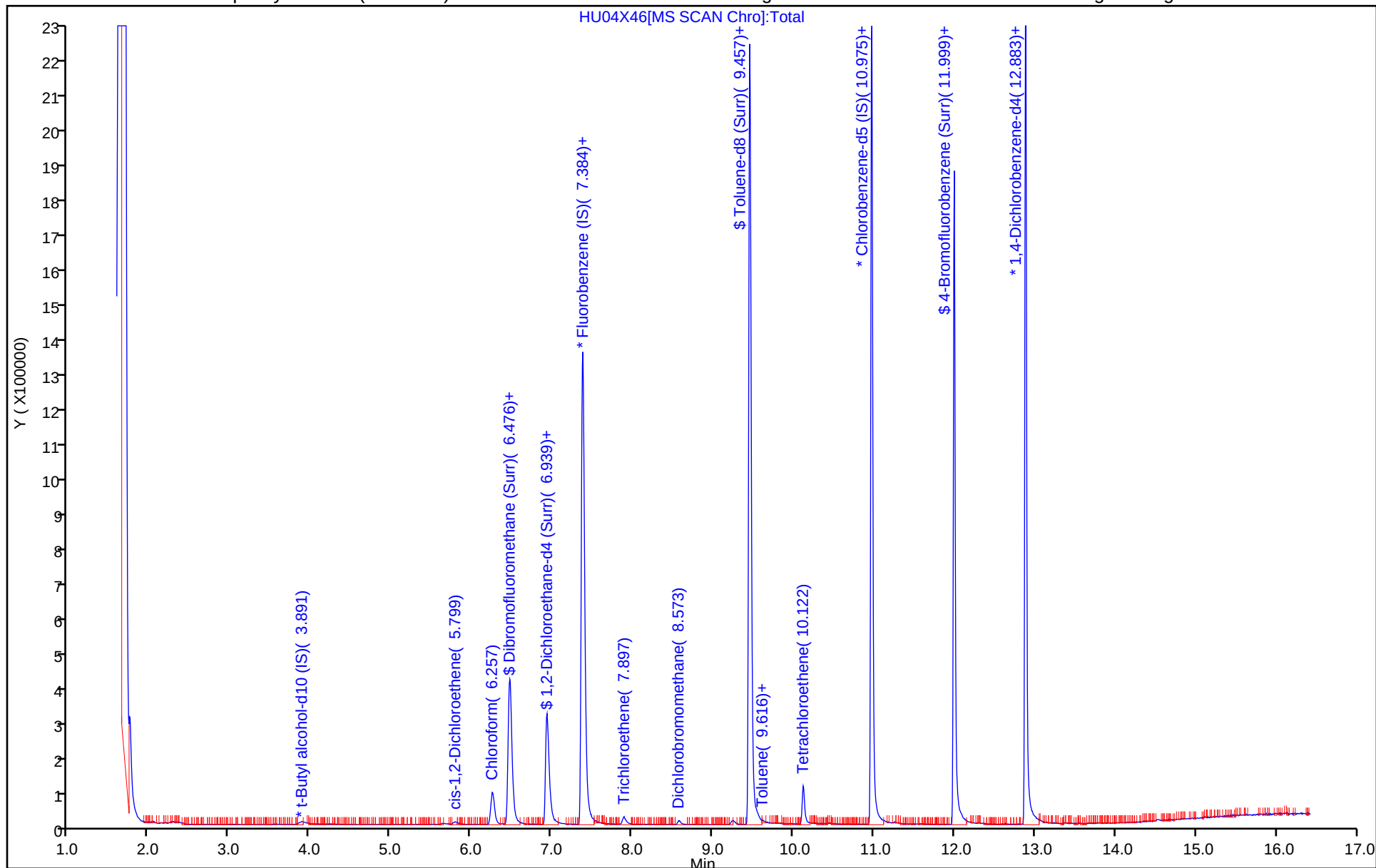
ALS Bottle#: 16

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X46.D
Lims ID: 410-224440-A-10
Client ID: HD-COD-SW-27-0/1-0
Sample Type: Client
Inject. Date: 05-Jun-2025 02:02:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149342-017
Operator ID: gaw91131 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 05-Jun-2025 13:49:29 Calib Date: 31-Mar-2025 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 13:49:29

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.4	103.98
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.3	102.59
\$ 83 Toluene-d8 (Surr)	10.0	10.4	104.10
\$ 126 4-Bromofluorobenzene (Surr)	10.0	9.28	92.79

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X46.D

Injection Date: 05-Jun-2025 02:02:30

Instrument ID: 19094

Lims ID: 410-224440-A-10

Lab Sample ID: 410-224440-10

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

Operator ID: gaw91131

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

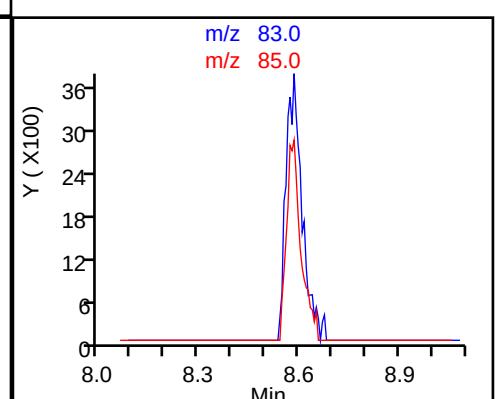
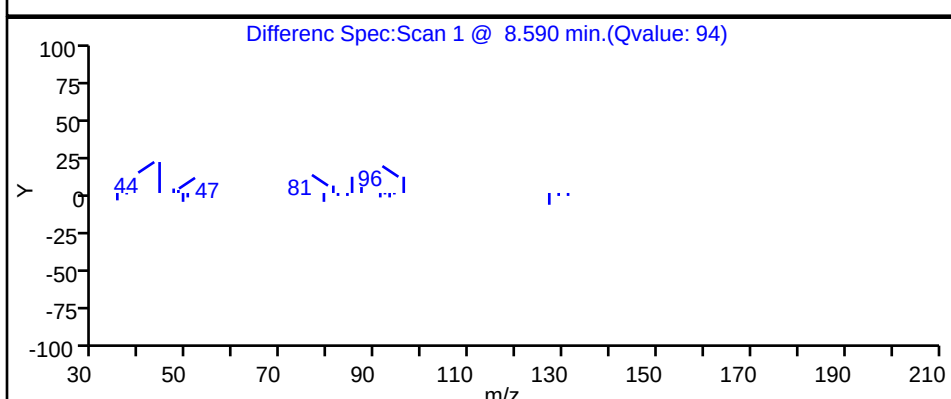
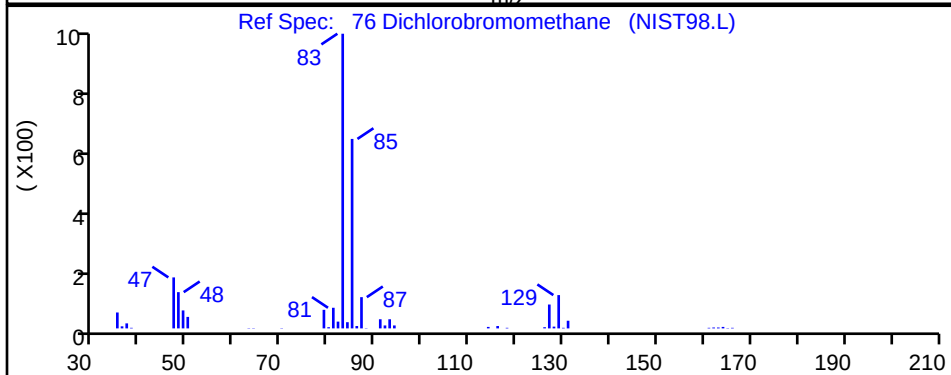
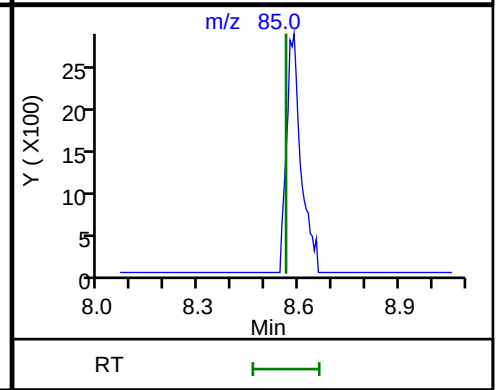
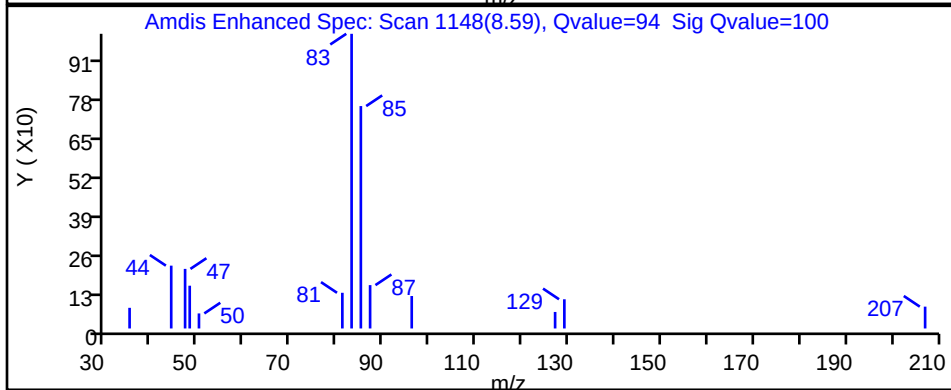
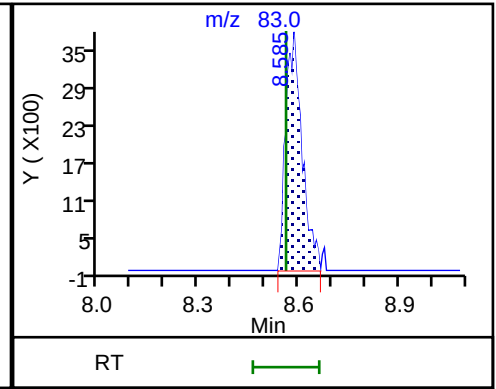
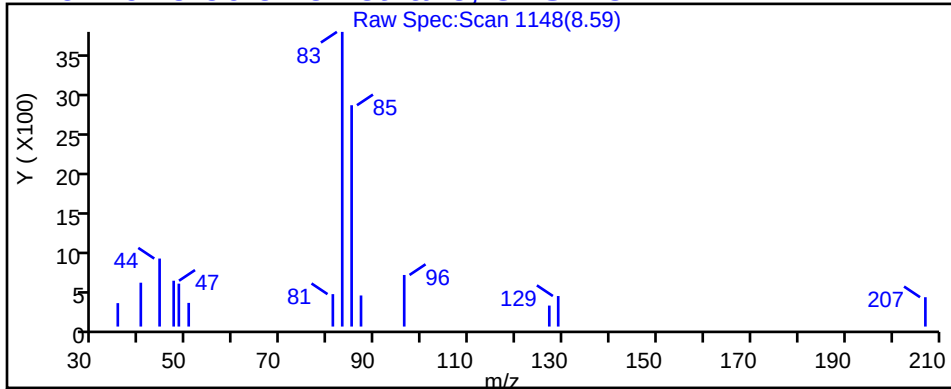
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

76 Dichlorobromomethane, CAS: 75-27-4

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X46.D

Injection Date: 05-Jun-2025 02:02:30

Instrument ID: 19094

Lims ID: 410-224440-A-10

Lab Sample ID: 410-224440-10

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

Operator ID: gaw91131

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

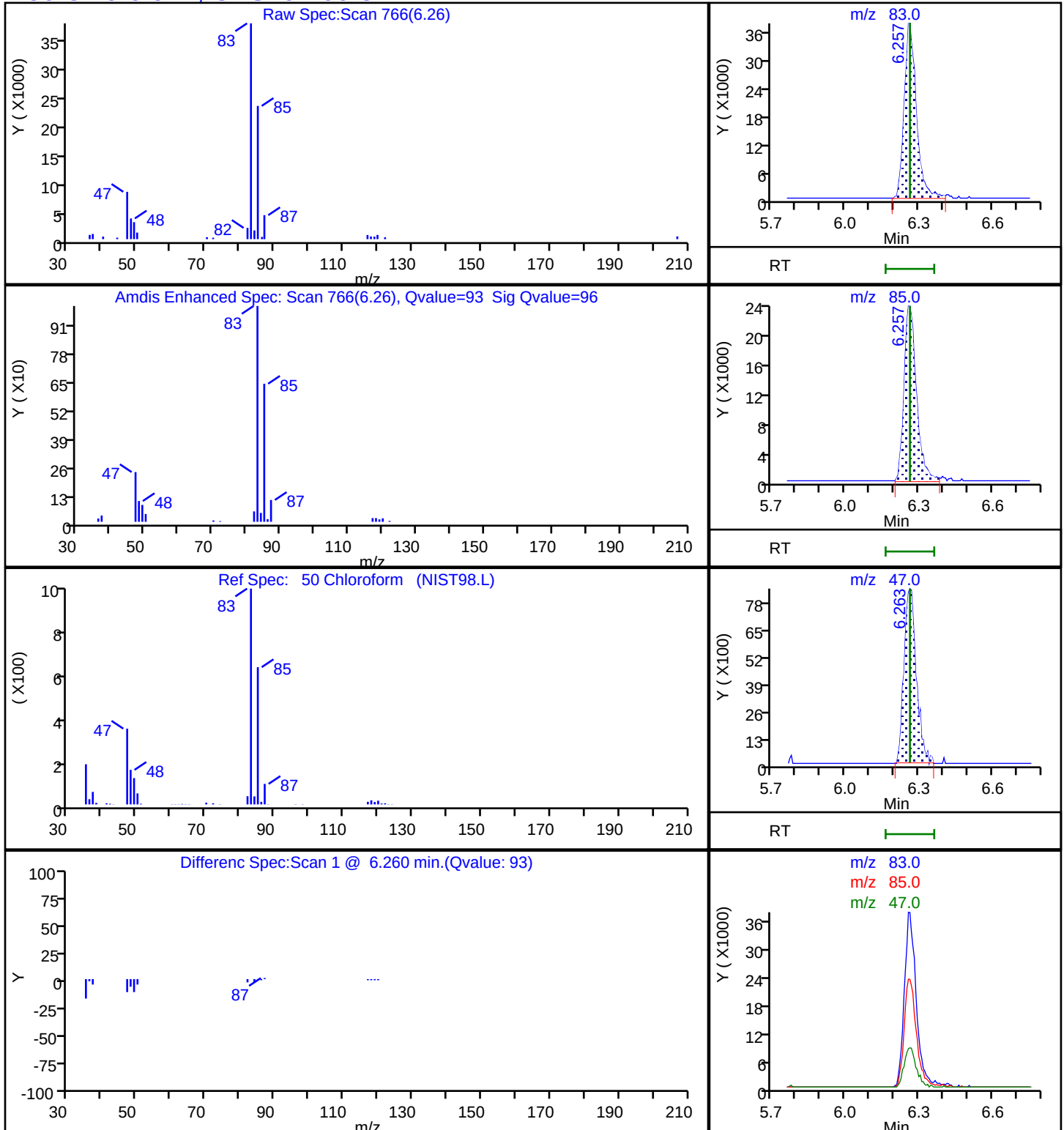
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

50 Chloroform, CAS: 67-66-3

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X46.D

Injection Date: 05-Jun-2025 02:02:30

Instrument ID: 19094

Lims ID: 410-224440-A-10

Lab Sample ID: 410-224440-10

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

Operator ID: gaw91131

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

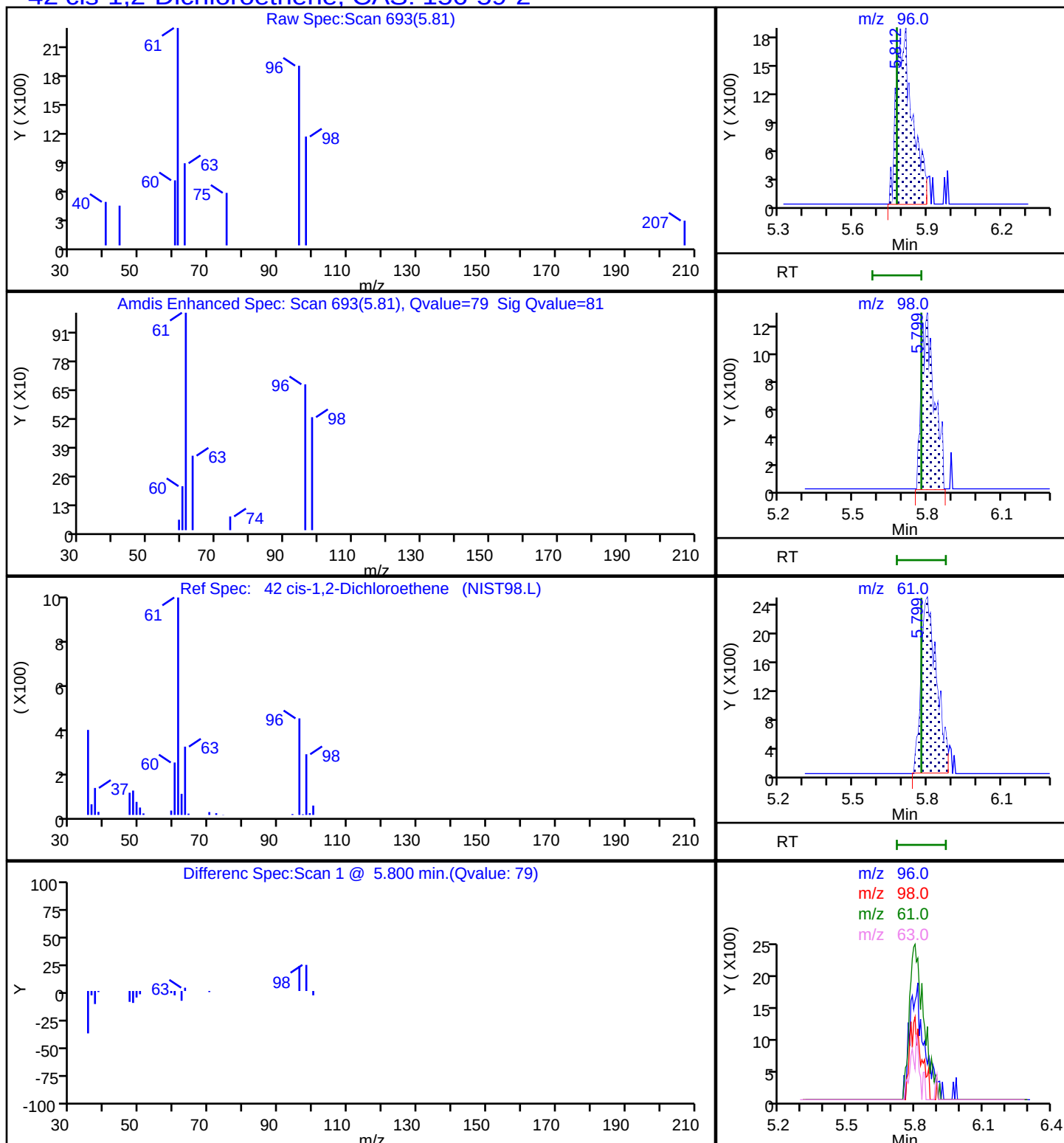
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 100m

MS Quad

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

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X46.D

Injection Date: 05-Jun-2025 02:02:30

Instrument ID: 19094

Lims ID: 410-224440-A-10

Lab Sample ID: 410-224440-10

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

Operator ID: gaw91131

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

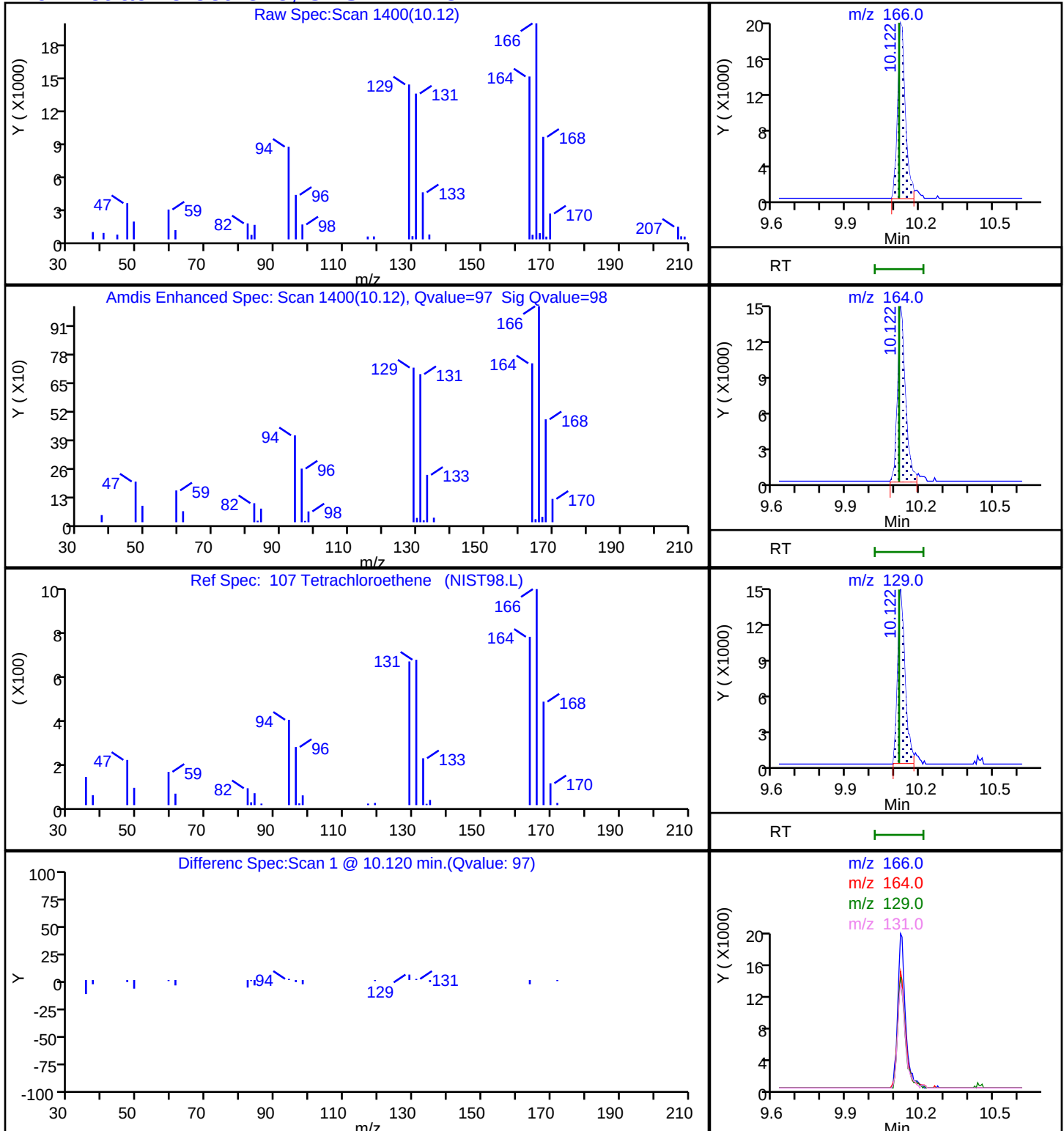
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

107 Tetrachloroethene, CAS: 127-18-4

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X46.D

Injection Date: 05-Jun-2025 02:02:30

Instrument ID: 19094

Lims ID: 410-224440-A-10

Lab Sample ID: 410-224440-10

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

Operator ID: gaw91131

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

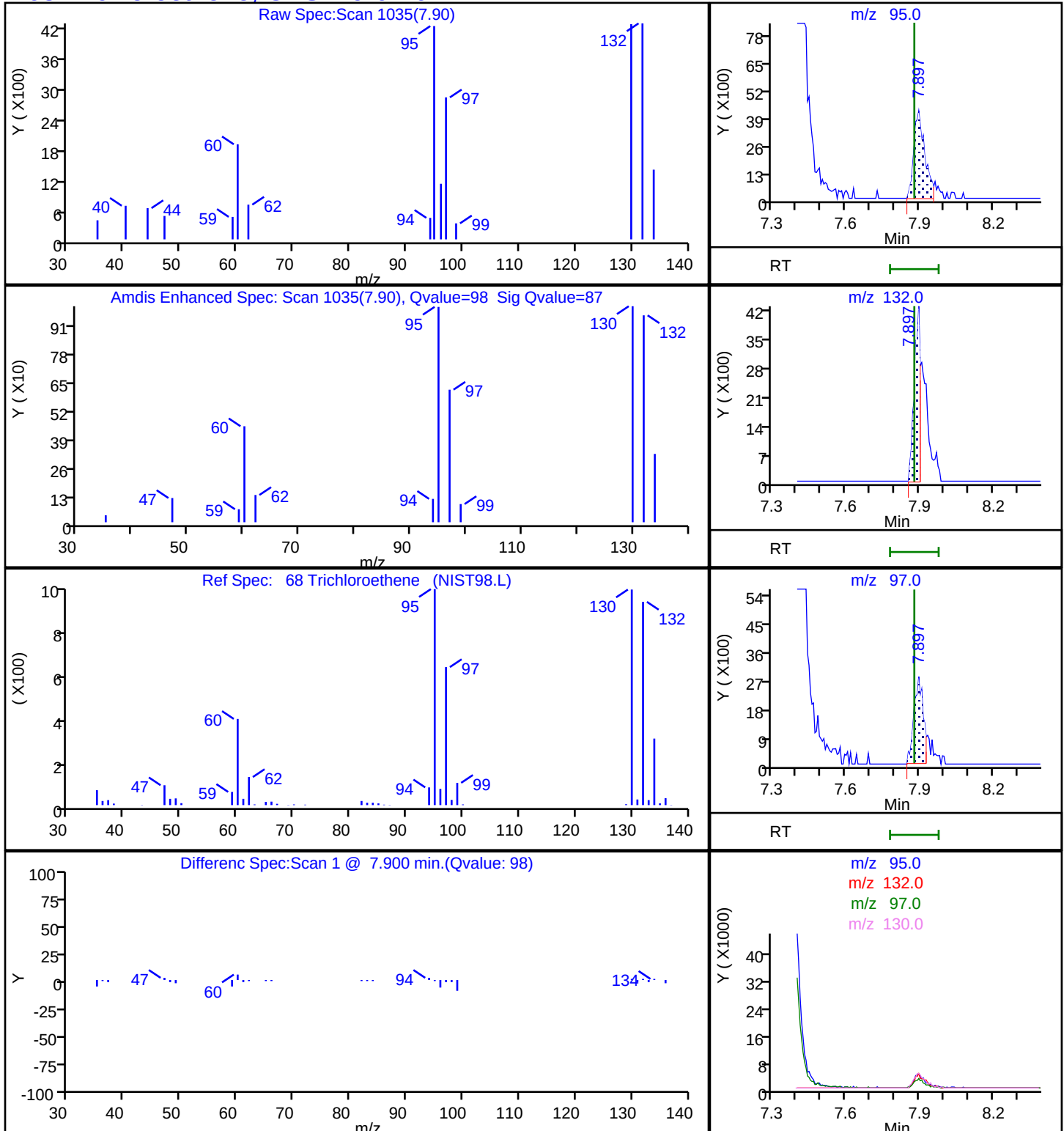
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 150m

MS Quad

68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

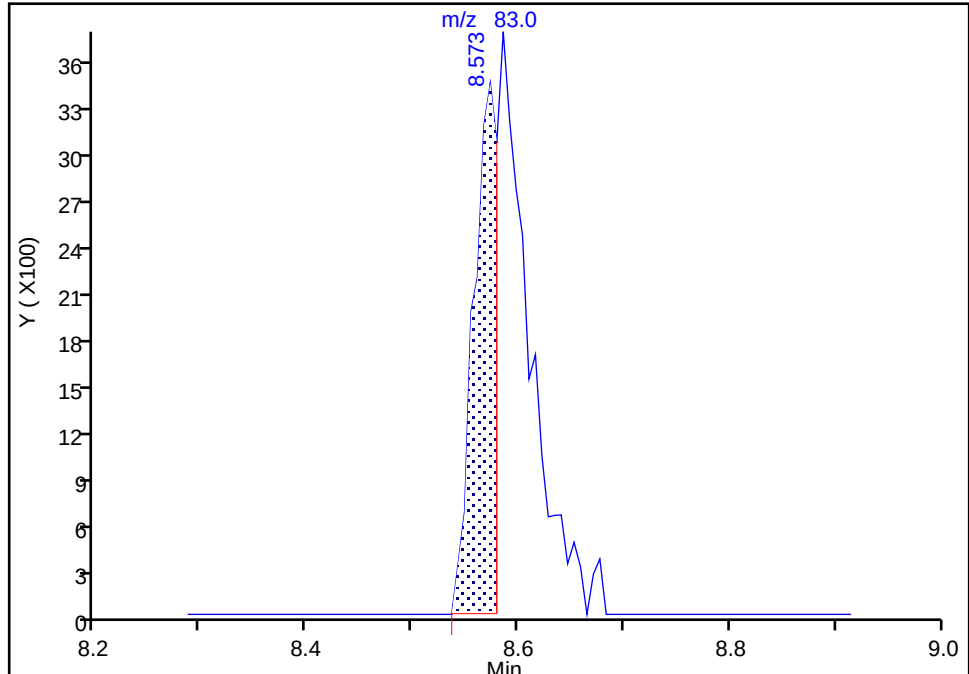
Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X46.D
Injection Date: 05-Jun-2025 02:02:30 Instrument ID: 19094
Lims ID: 410-224440-A-10 Lab Sample ID: 410-224440-10
Client ID: HD-COD-SW-27-0/1-0
Operator ID: gaw91131 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

76 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

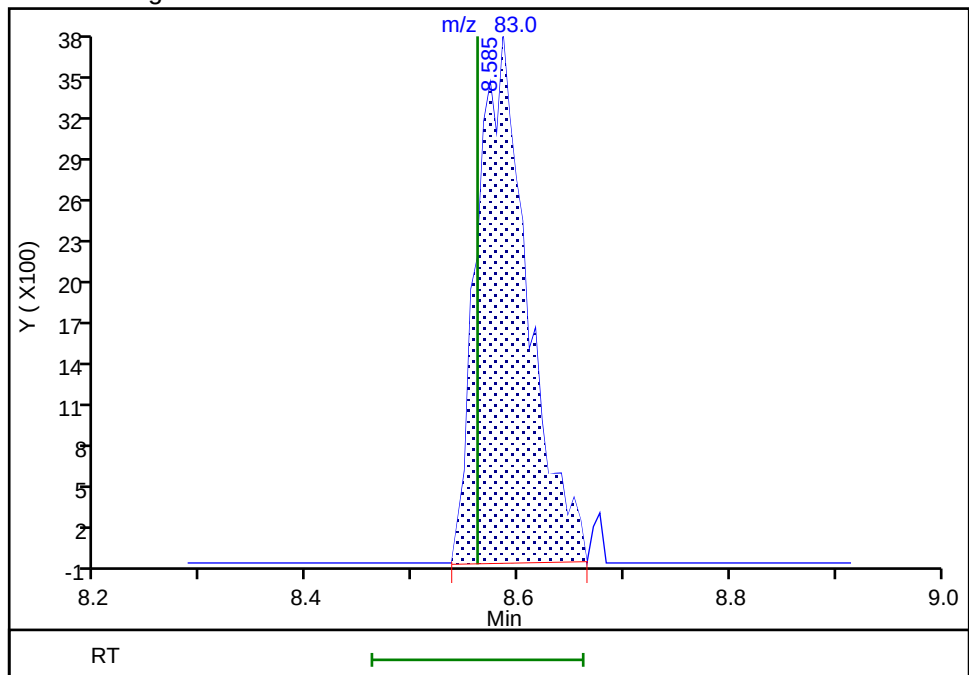
RT: 8.57
Area: 5364
Amount: 0.086345
Amount Units: ug/l

Processing Integration Results



RT: 8.59
Area: 12402
Amount: 0.199638
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 05-Jun-2025 13:49:13 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

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

Lab Sample ID: 410-224440-11

Matrix: Water

Lab File ID: HU04X47.D

Analysis Method: 8260D

Date Collected: 05/27/2025 13:02

Sample wt/vol: 25 (mL)

Date Analyzed: 06/05/2025 02:23

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 653082

Units: ug/L

Preparation Batch No.:

Instrument ID: 19094

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	1.5
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	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.26	J	0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-28-0/1-0 Lab Sample ID: 410-224440-11

Matrix: Water Lab File ID: HU04X47.D

Analysis Method: 8260D Date Collected: 05/27/2025 13:02

Sample wt/vol: 25 (mL) Date Analyzed: 06/05/2025 02:23

Soil Aliquot Vol: _____ Dilution Factor: 1

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

Purge Volume: 25.0 (mL) Heated Purge: (Y/N) N pH: _____

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

Analysis Batch No.: 653082 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	0.11	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	91		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		80-120
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X47.D
 Lims ID: 410-224440-A-11
 Client ID: HD-COD-SW-28-0/1-0
 Sample Type: Client
 Inject. Date: 05-Jun-2025 02:23:30 ALS Bottle#: 17 Worklist Smp#: 18
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0149342-018
 Operator ID: gaw91131 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-Jun-2025 14:06:48 Calib Date: 31-Mar-2025 18:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 14:06:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.038				ND	7
6 Vinyl chloride	62		2.148				ND	
9 Bromomethane	94		2.465				ND	
10 Chloroethane	64		2.514				ND	
17 1,1-Dichloroethene	96		3.288				ND	
19 Acetone	43		3.288				ND	
23 Carbon disulfide	76		3.568				ND	7
* 28 t-Butyl alcohol-d10 (IS)	65	3.897	3.879	0.018	96	53467	50.0	
27 Methylene Chloride	84		3.885				ND	
32 Methyl tert-butyl ether	73		4.257				ND	
33 trans-1,2-Dichloroethene	96		4.281				ND	
36 1,1-Dichloroethane	63		4.928				ND	
41 2-Butanone (MEK)	43		5.739				ND	
42 cis-1,2-Dichloroethene	96	5.793	5.775	0.018	1	4230	0.0703	M
48 Chlorobromomethane	128		6.104				ND	
50 Chloroform	83	6.263	6.263	0.000	92	11809	0.1256	
\$ 52 Dibromofluoromethane (Surr)	113	6.470	6.476	-0.006	94	439718	10.4	
53 1,1,1-Trichloroethane	97		6.494				ND	7
56 Carbon tetrachloride	117		6.714				ND	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.939	6.940	-0.001	47	77674	10.4	
59 Benzene	78		6.970				ND	7
60 1,2-Dichloroethane	62		7.043				ND	
* 64 Fluorobenzene (IS)	96	7.384	7.385	-0.001	99	1943003	10.0	
68 Trichloroethene	95	7.903	7.878	0.025	89	6707	0.1124	M
70 1,2-Dichloropropane	63		8.208				ND	
76 Dichlorobromomethane	83		8.561				ND	7
80 cis-1,3-Dichloropropene	75		9.134				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.311				ND	
\$ 83 Toluene-d8 (Surr)	98	9.457	9.457	0.000	94	1955492	10.4	
84 Toluene	92	9.555	9.543	0.012	95	11557	0.0780	
85 trans-1,3-Dichloropropene	75		9.817				ND	
106 1,1,2-Trichloroethane	97		10.024				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.128	10.116	0.012	95	18064	0.2635	
109 2-Hexanone	43		10.250				ND	
111 Chlorodibromomethane	129		10.414				ND	
112 Ethylene Dibromide	107		10.530				ND	
* 113 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	86	1395832	10.0	
115 Chlorobenzene	112		11.000				ND	
116 1,1,1,2-Tetrachloroethane	131		11.085				ND	
117 Ethylbenzene	91		11.091				ND	7
119 m-Xylene & p-Xylene	106		11.207				ND	7
S 118 Xylenes, Total	106		11.245				ND	7
120 o-Xylene	106		11.542				ND	7
121 Styrene	104		11.561				ND	
122 Bromoform	173		11.719				ND	
\$ 126 4-Bromofluorobenzene (Surr)	95	11.999	11.993	0.006	92	629455	9.11	
127 1,1,2,2-Tetrachloroethane	83		12.097				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.889	12.883	0.006	95	702038	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_LLcentISS_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 05-Jun-2025 14:06:49

Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X47.D

Injection Date: 05-Jun-2025 02:23:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: 410-224440-A-11

Lab Sample ID: 410-224440-11

Worklist Smp#: 18

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

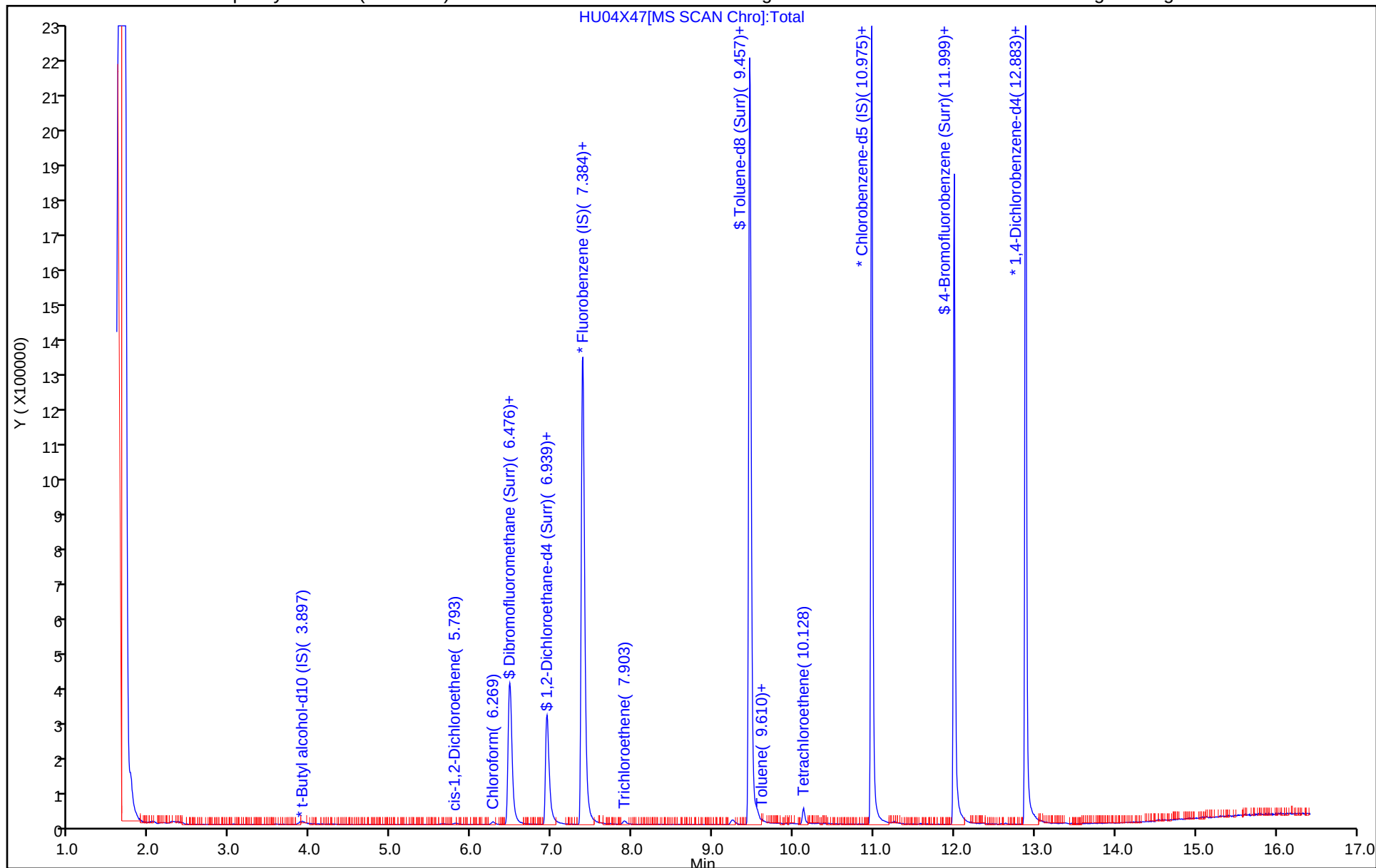
ALS Bottle#: 17

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X47.D
Lims ID: 410-224440-A-11
Client ID: HD-COD-SW-28-0/1-0
Sample Type: Client
Inject. Date: 05-Jun-2025 02:23:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149342-018
Operator ID: gaw91131 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 05-Jun-2025 14:06:48 Calib Date: 31-Mar-2025 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 14:06:48

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.4	104.20
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.4	103.95
\$ 83 Toluene-d8 (Surr)	10.0	10.4	103.55
\$ 126 4-Bromofluorobenzene (Surr)	10.0	9.11	91.06

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X47.D

Injection Date: 05-Jun-2025 02:23:30

Instrument ID: 19094

Lims ID: 410-224440-A-11

Lab Sample ID: 410-224440-11

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

Operator ID: gaw91131

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

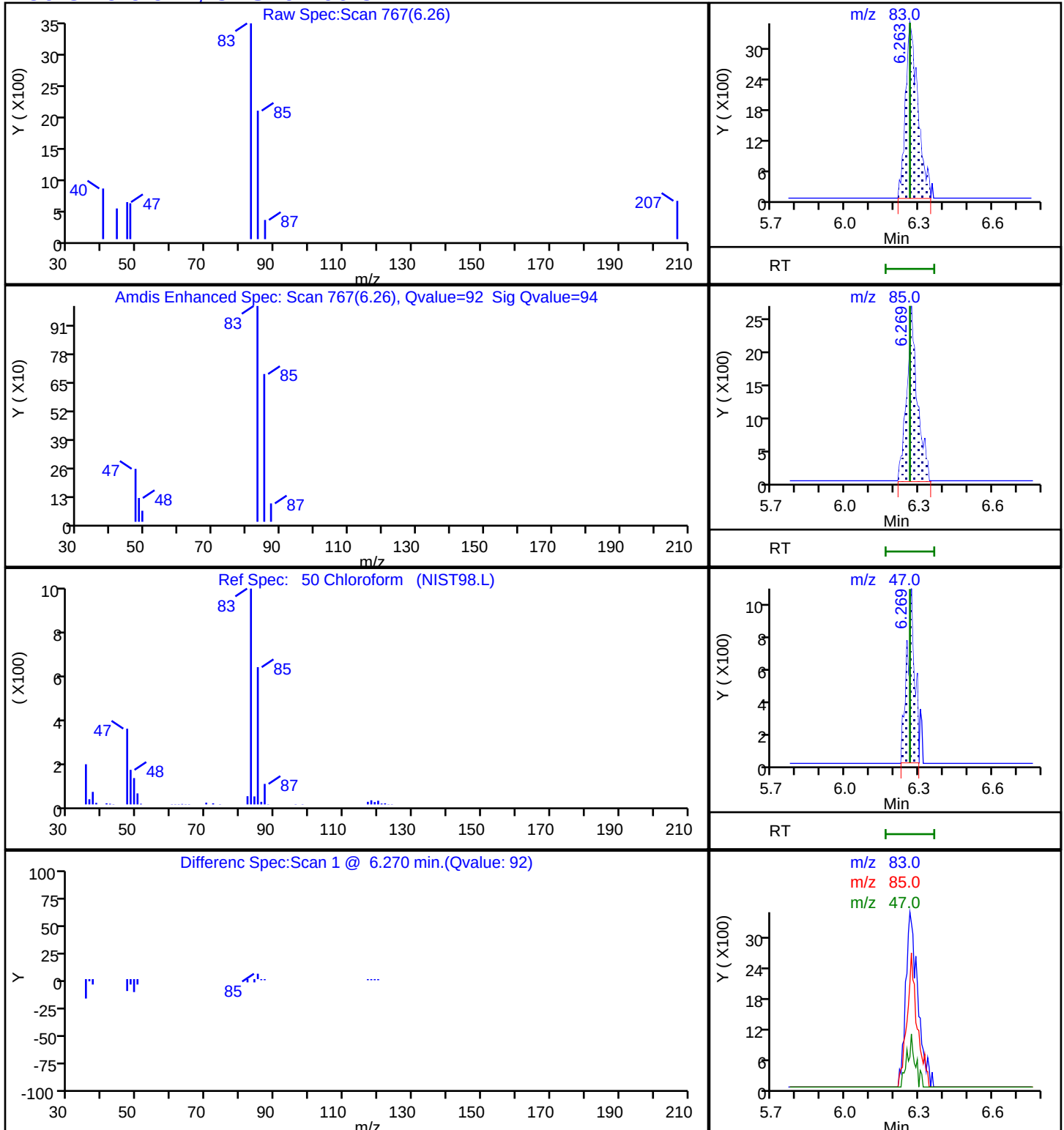
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

50 Chloroform, CAS: 67-66-3

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X47.D

Injection Date: 05-Jun-2025 02:23:30

Instrument ID: 19094

Lims ID: 410-224440-A-11

Lab Sample ID: 410-224440-11

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

Operator ID: gaw91131

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

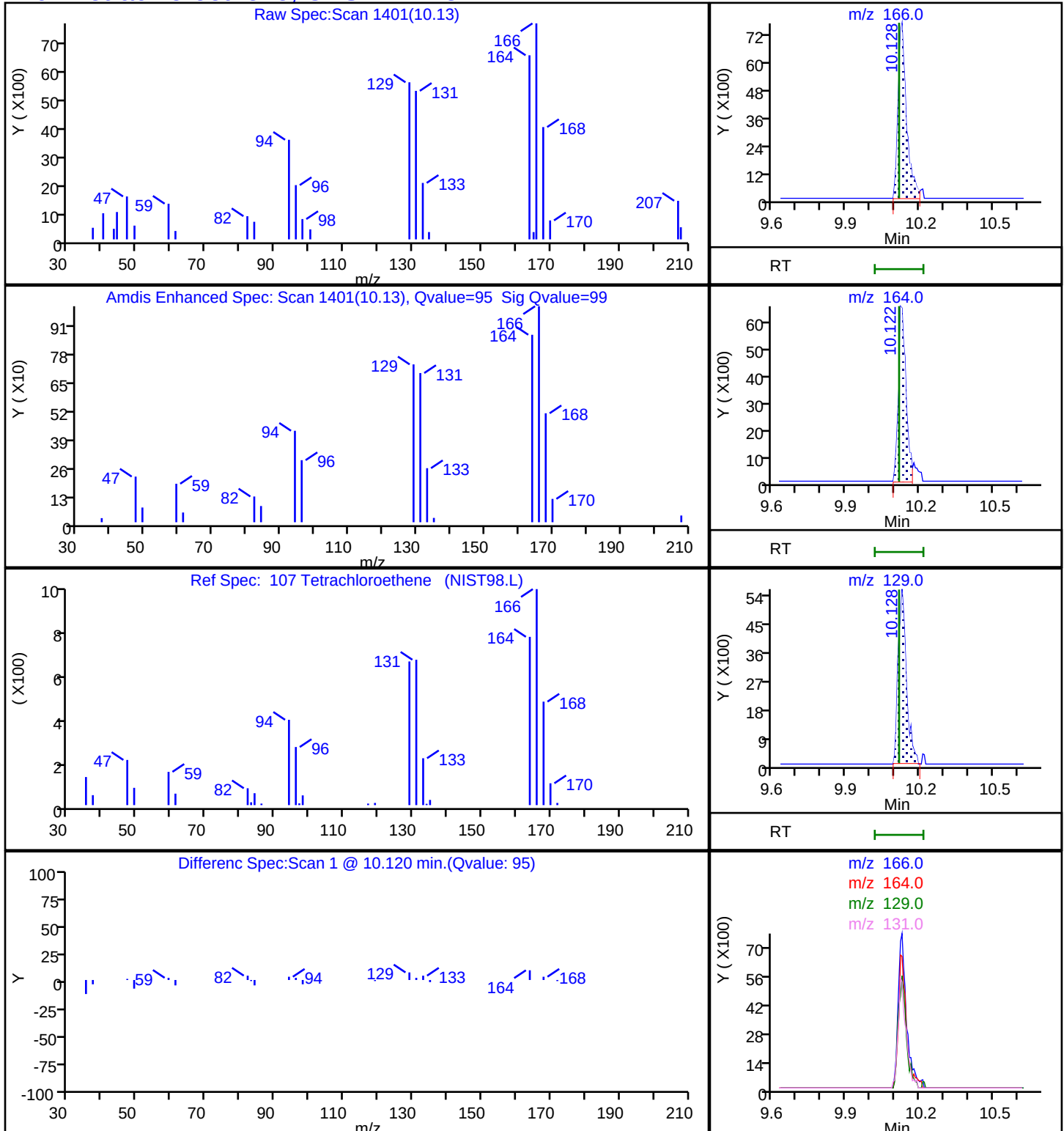
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

107 Tetrachloroethene, CAS: 127-18-4

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X47.D

Injection Date: 05-Jun-2025 02:23:30

Instrument ID: 19094

Lims ID: 410-224440-A-11

Lab Sample ID: 410-224440-11

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

Operator ID: gaw91131

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

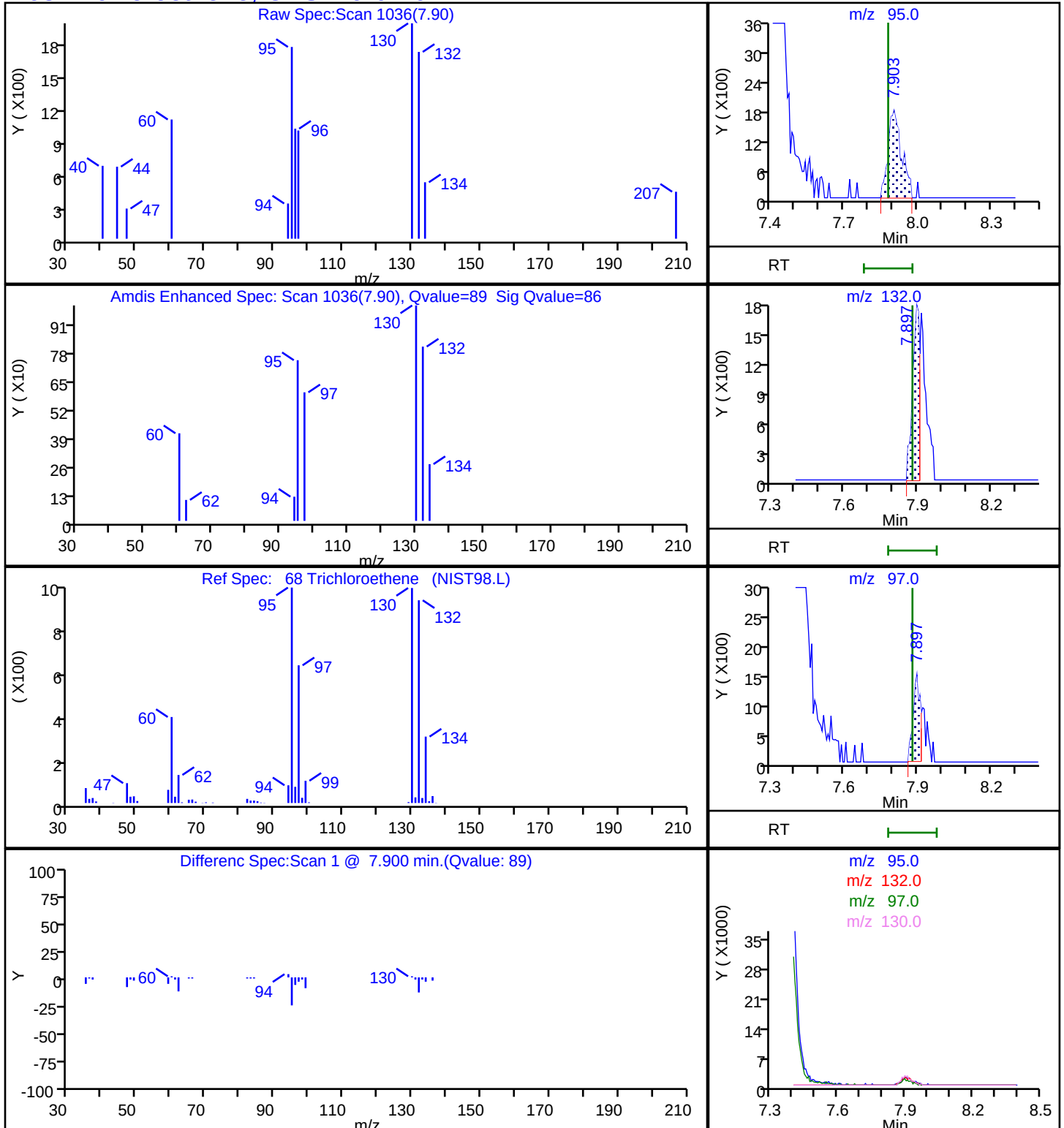
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 100m

MS Quad

68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

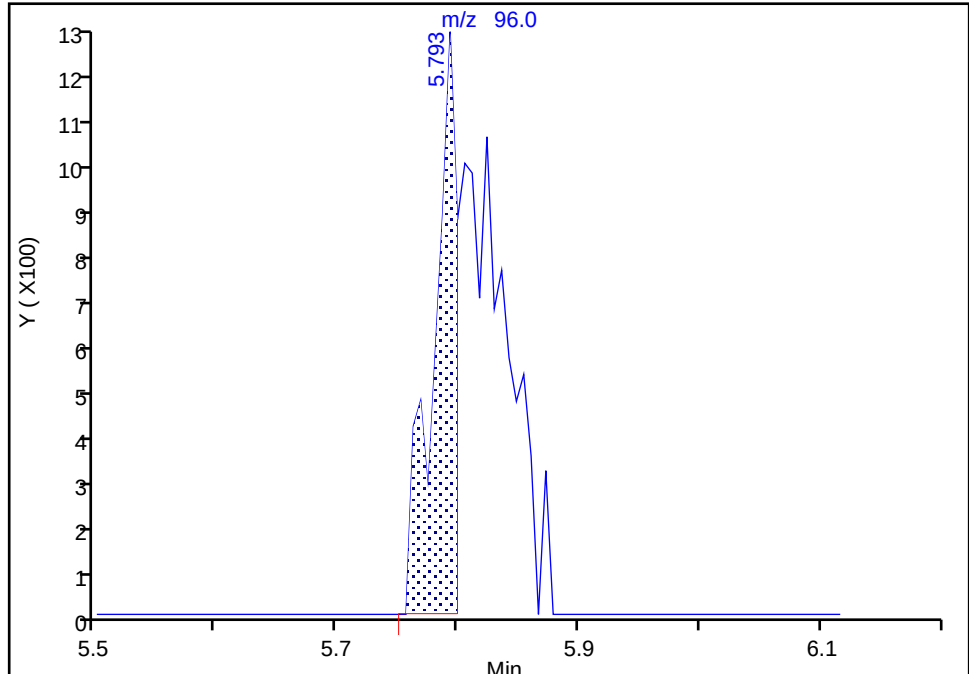
Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X47.D
Injection Date: 05-Jun-2025 02:23:30 Instrument ID: 19094
Lims ID: 410-224440-A-11 Lab Sample ID: 410-224440-11
Client ID: HD-COD-SW-28-0/1-0
Operator ID: gaw91131 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

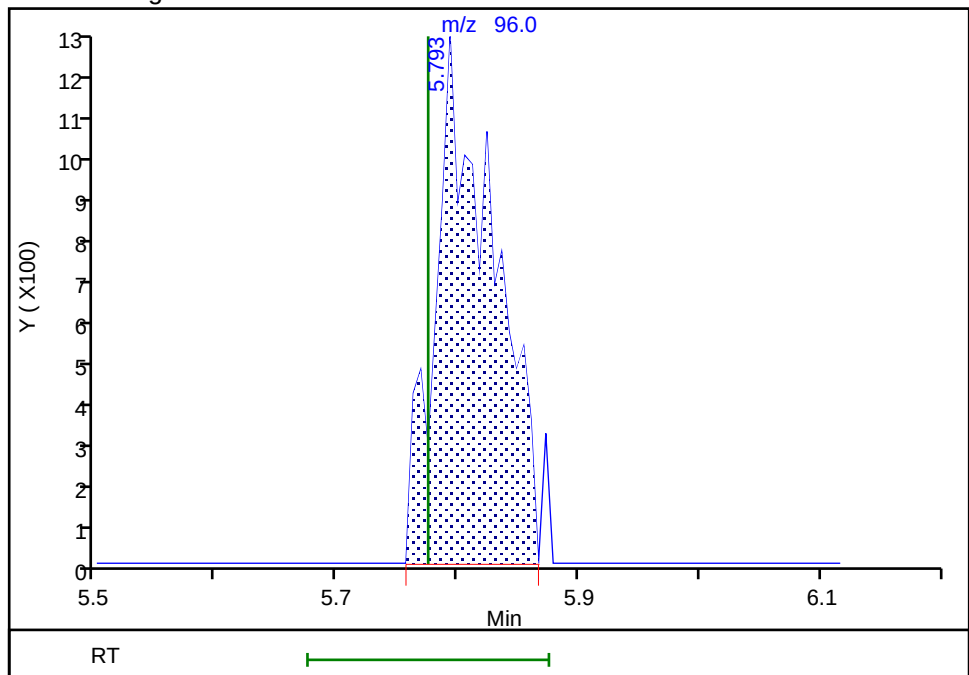
RT: 5.79
Area: 1710
Amount: 0.028417
Amount Units: ug/l

Processing Integration Results



RT: 5.79
Area: 4230
Amount: 0.070295
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 05-Jun-2025 14:06:25 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

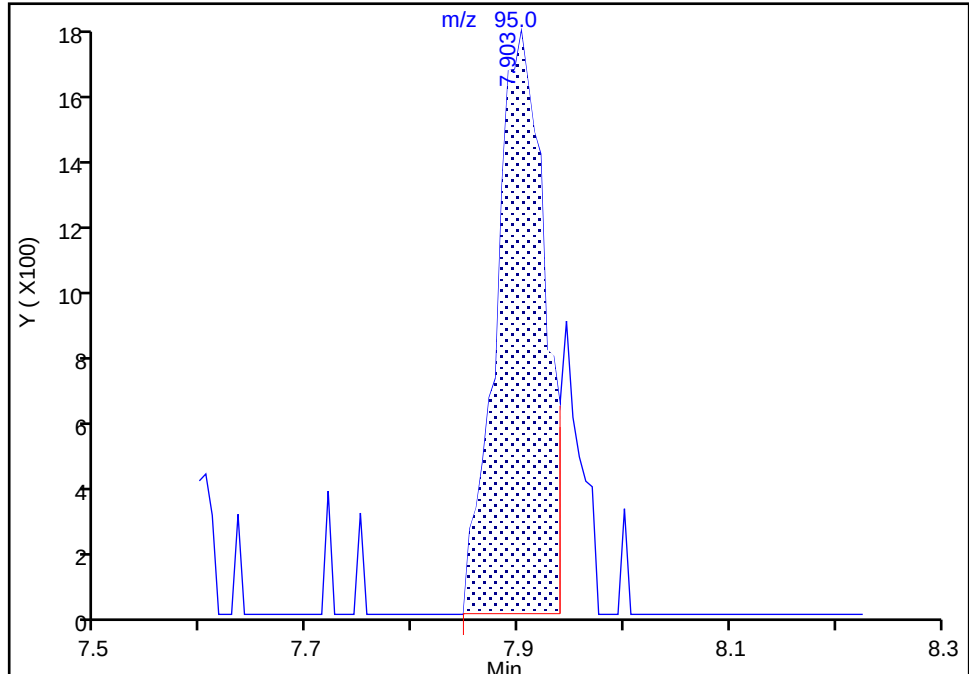
Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X47.D
Injection Date: 05-Jun-2025 02:23:30 Instrument ID: 19094
Lims ID: 410-224440-A-11 Lab Sample ID: 410-224440-11
Client ID: HD-COD-SW-28-0/1-0
Operator ID: gaw91131 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 Trichloroethene, CAS: 79-01-6

Signal: 1

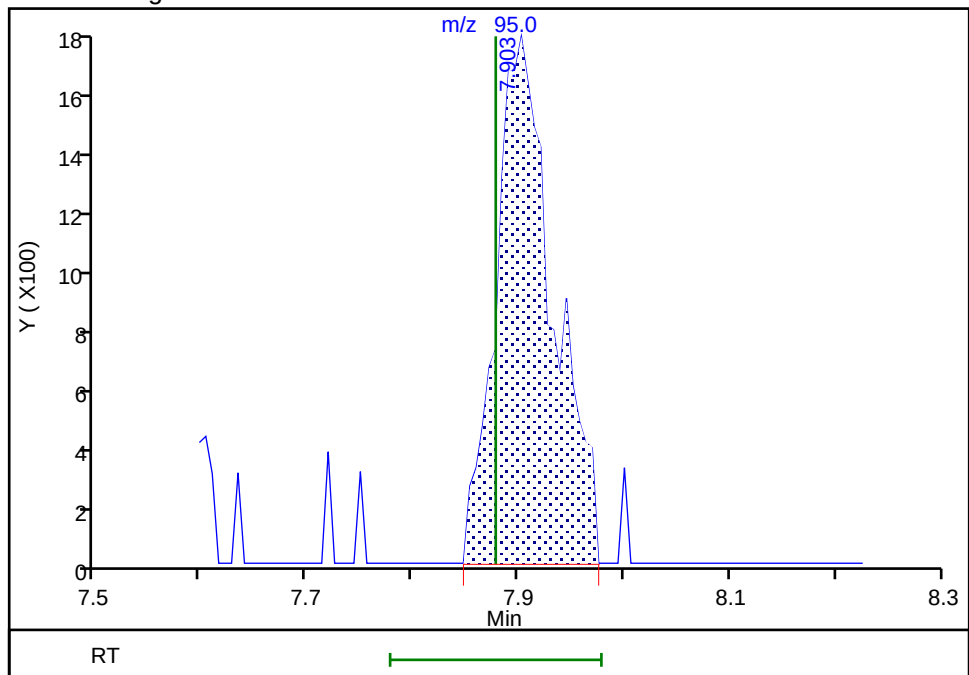
RT: 7.90
Area: 5693
Amount: 0.095437
Amount Units: ug/l

Processing Integration Results



RT: 7.90
Area: 6707
Amount: 0.112435
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 05-Jun-2025 14:06:37 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

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

Lab Sample ID: 410-224440-12

Matrix: Water

Lab File ID: HU04X48.D

Analysis Method: 8260D

Date Collected: 05/27/2025 09:15

Sample wt/vol: 25 (mL)

Date Analyzed: 06/05/2025 02:44

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 653082

Units: ug/L

Preparation Batch No.:

Instrument ID: 19094

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	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.092	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	0.52		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-29-0/1-0 Lab Sample ID: 410-224440-12

Matrix: Water Lab File ID: HU04X48.D

Analysis Method: 8260D Date Collected: 05/27/2025 09:15

Sample wt/vol: 25 (mL) Date Analyzed: 06/05/2025 02:44

Soil Aliquot Vol: _____ Dilution Factor: 1

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

Purge Volume: 25.0 (mL) Heated Purge: (Y/N) N pH: _____

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

Analysis Batch No.: 653082 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
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	0.14	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)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	91		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		80-120
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X48.D
 Lims ID: 410-224440-A-12
 Client ID: HD-COD-SW-29-0/1-0
 Sample Type: Client
 Inject. Date: 05-Jun-2025 02:44:30 ALS Bottle#: 18 Worklist Smp#: 19
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0149342-019
 Operator ID: gaw91131 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-Jun-2025 14:07:34 Calib Date: 31-Mar-2025 18:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 14:07:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.038				ND	7
6 Vinyl chloride	62		2.148				ND	
9 Bromomethane	94		2.465				ND	
10 Chloroethane	64		2.514				ND	
17 1,1-Dichloroethene	96		3.288				ND	
19 Acetone	43		3.288				ND	
23 Carbon disulfide	76		3.568				ND	7
* 28 t-Butyl alcohol-d10 (IS)	65	3.904	3.879	0.025	95	58300	50.0	
27 Methylene Chloride	84		3.885				ND	
32 Methyl tert-butyl ether	73		4.257				ND	
33 trans-1,2-Dichloroethene	96		4.281				ND	
36 1,1-Dichloroethane	63		4.928				ND	7
41 2-Butanone (MEK)	43		5.739				ND	
42 cis-1,2-Dichloroethene	96	5.800	5.775	0.025	77	5517	0.0918	
48 Chlorobromomethane	128		6.104				ND	
50 Chloroform	83	6.281	6.263	0.018	88	5860	0.0624	
\$ 52 Dibromofluoromethane (Surr)	113	6.482	6.476	0.006	94	436924	10.4	
53 1,1,1-Trichloroethane	97		6.494				ND	7
56 Carbon tetrachloride	117		6.714				ND	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.946	6.940	0.006	47	77918	10.4	
59 Benzene	78		6.970				ND	7
60 1,2-Dichloroethane	62		7.043				ND	
* 64 Fluorobenzene (IS)	96	7.391	7.385	0.006	99	1941080	10.0	
68 Trichloroethene	95	7.897	7.878	0.019	91	8627	0.1448	M
70 1,2-Dichloropropane	63		8.208				ND	
76 Dichlorobromomethane	83		8.561				ND	
80 cis-1,3-Dichloropropene	75		9.134				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.311				ND	
\$ 83 Toluene-d8 (Surr)	98	9.457	9.457	0.000	94	1945936	10.4	
84 Toluene	92	9.543	9.543	0.000	96	5563	0.0378	
85 trans-1,3-Dichloropropene	75		9.817				ND	
106 1,1,2-Trichloroethane	97		10.024				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.128	10.116	0.012	98	35184	0.5162	
109 2-Hexanone	43		10.250				ND	
111 Chlorodibromomethane	129		10.414				ND	
112 Ethylene Dibromide	107		10.530				ND	
* 113 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	86	1387846	10.0	
115 Chlorobenzene	112		11.000				ND	
116 1,1,1,2-Tetrachloroethane	131		11.085				ND	
117 Ethylbenzene	91		11.091				ND	7
119 m-Xylene & p-Xylene	106		11.207				ND	7
S 118 Xylenes, Total	106		11.245				ND	7
120 o-Xylene	106		11.542				ND	7
121 Styrene	104		11.561				ND	
122 Bromoform	173		11.719				ND	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.000	11.993	0.007	92	628748	9.15	
127 1,1,2,2-Tetrachloroethane	83		12.097				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.884	12.883	0.001	95	715846	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_LLcentISS_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 05-Jun-2025 14:07:34

Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X48.D

Injection Date: 05-Jun-2025 02:44:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: 410-224440-A-12

Lab Sample ID: 410-224440-12

Worklist Smp#: 19

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

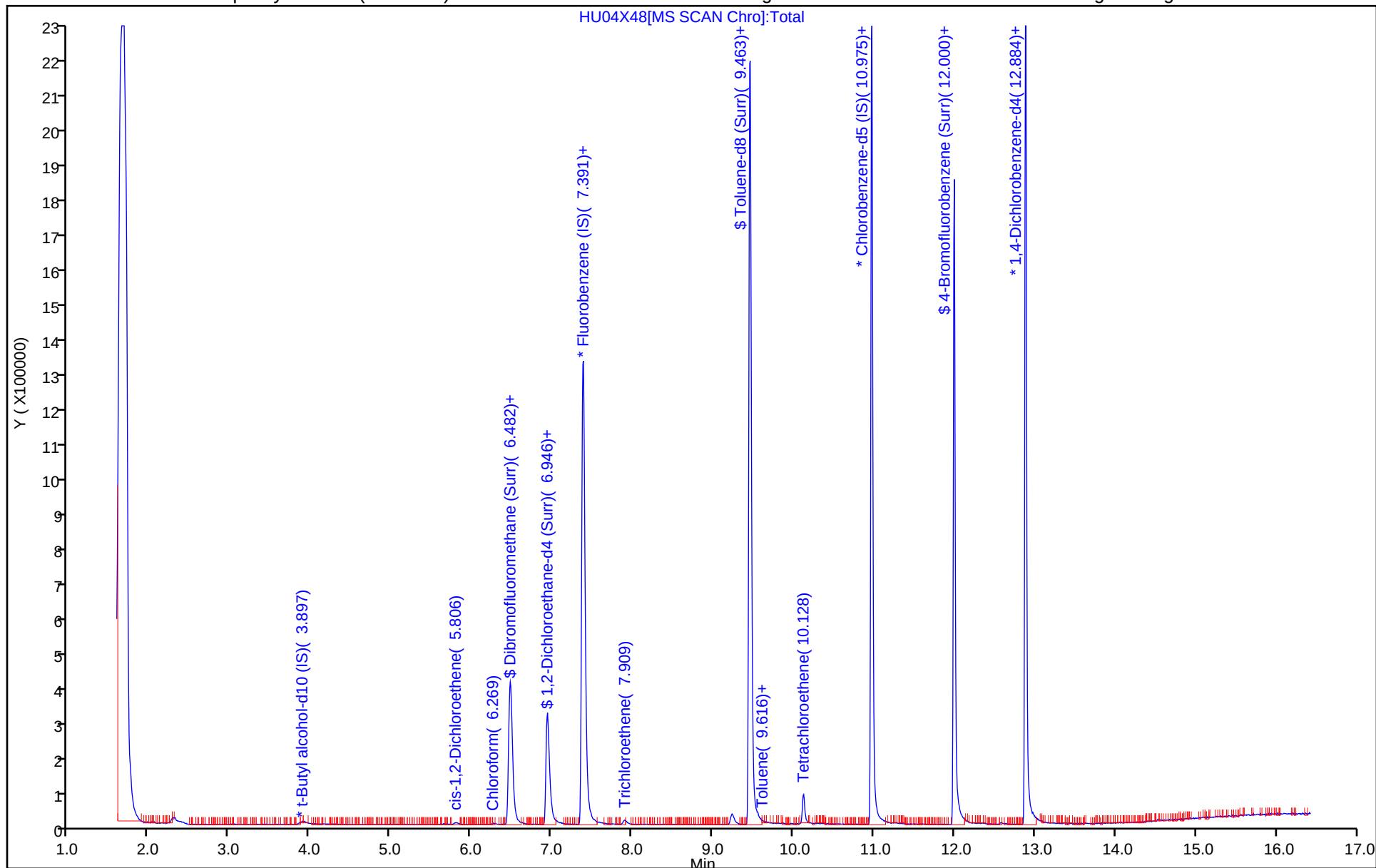
ALS Bottle#: 18

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X48.D
Lims ID: 410-224440-A-12
Client ID: HD-COD-SW-29-0/1-0
Sample Type: Client
Inject. Date: 05-Jun-2025 02:44:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149342-019
Operator ID: gaw91131 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 05-Jun-2025 14:07:34 Calib Date: 31-Mar-2025 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 14:07:34

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.4	103.64
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.4	104.38
\$ 83 Toluene-d8 (Surr)	10.0	10.4	103.63
\$ 126 4-Bromofluorobenzene (Surr)	10.0	9.15	91.48

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X48.D

Injection Date: 05-Jun-2025 02:44:30

Instrument ID: 19094

Lims ID: 410-224440-A-12

Lab Sample ID: 410-224440-12

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

Operator ID: gaw91131

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 25.000 mL

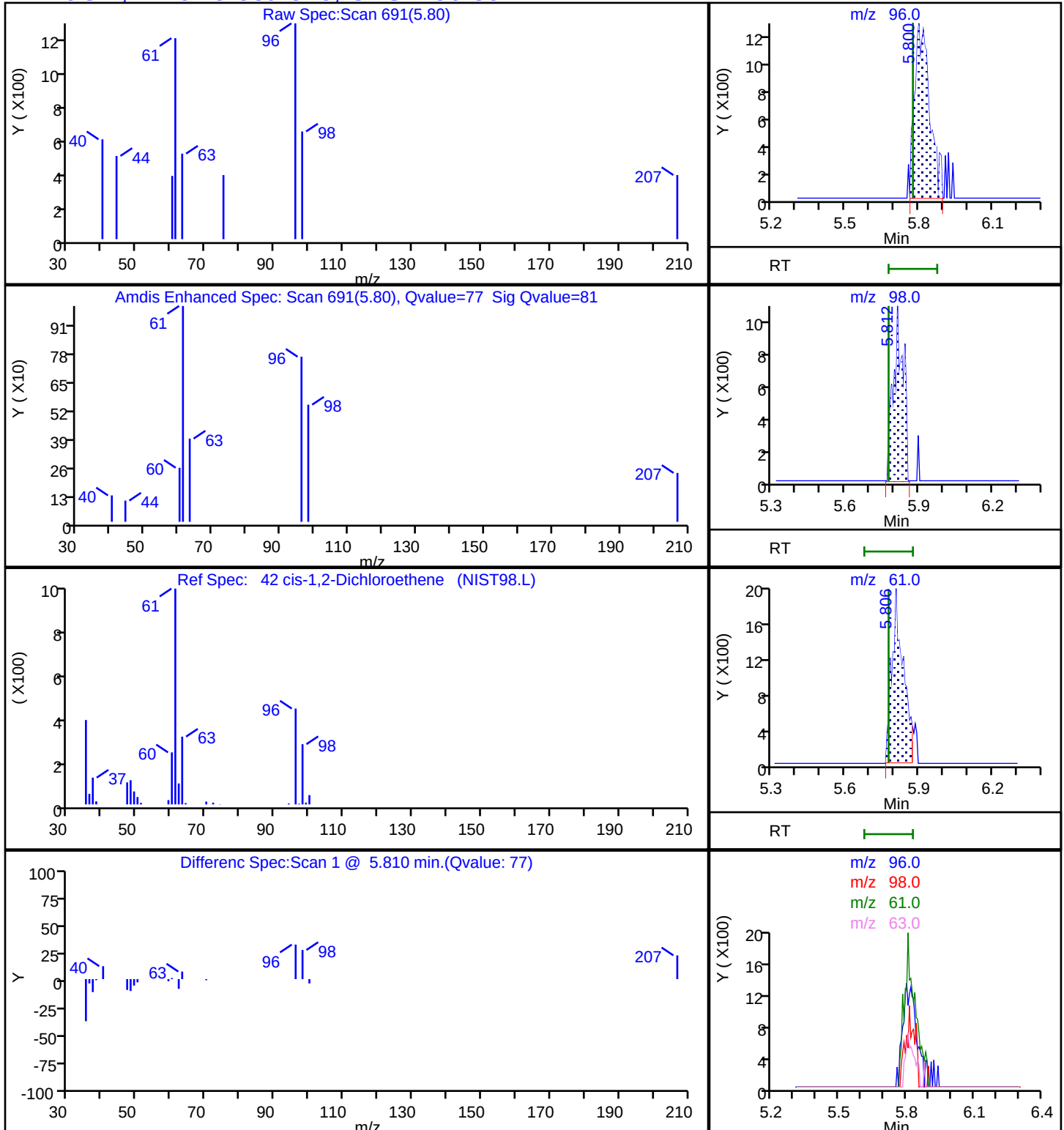
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 100m

MS Quad

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

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X48.D

Injection Date: 05-Jun-2025 02:44:30

Instrument ID: 19094

Lims ID: 410-224440-A-12

Lab Sample ID: 410-224440-12

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

Operator ID: gaw91131

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 25.000 mL

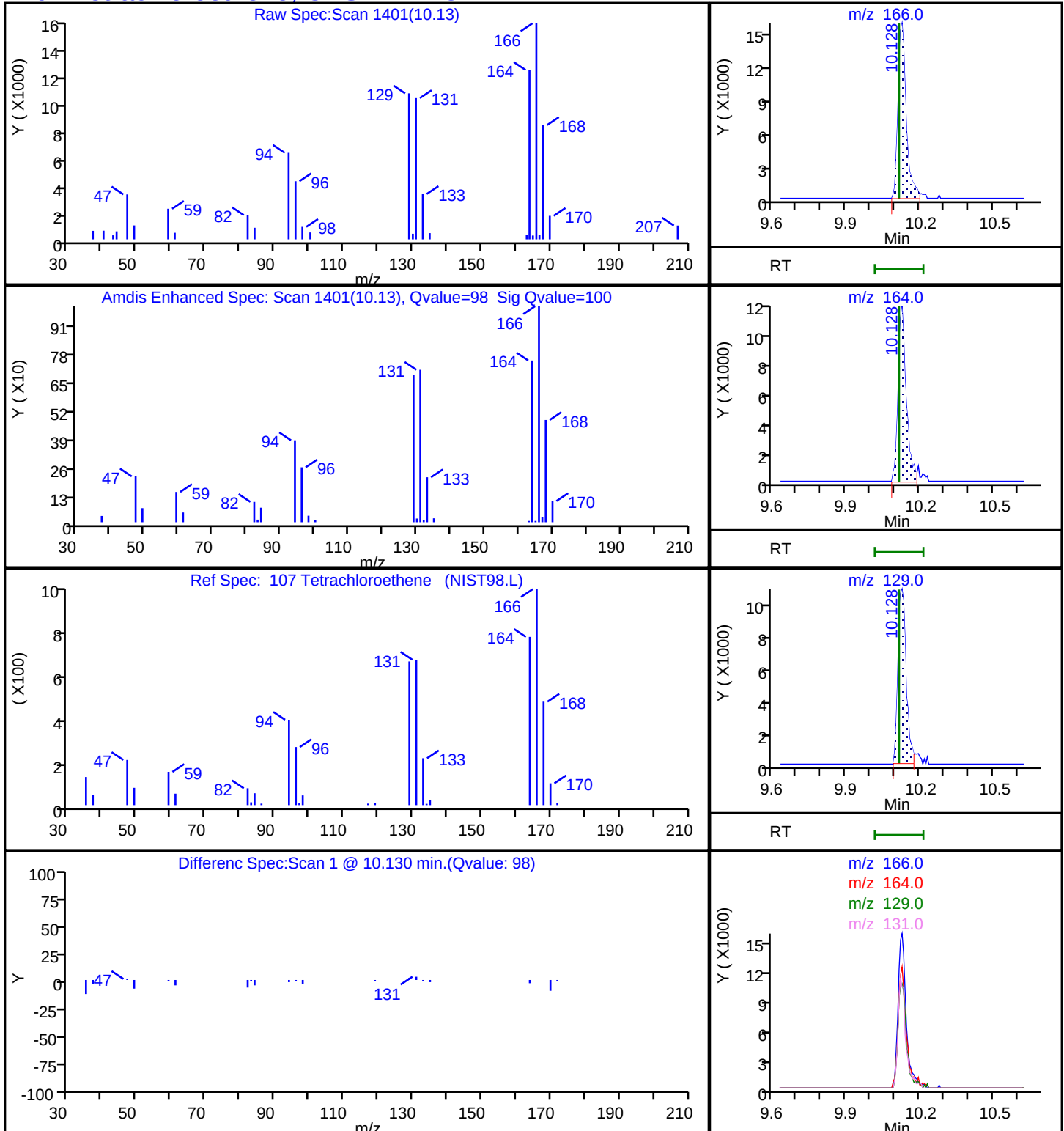
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

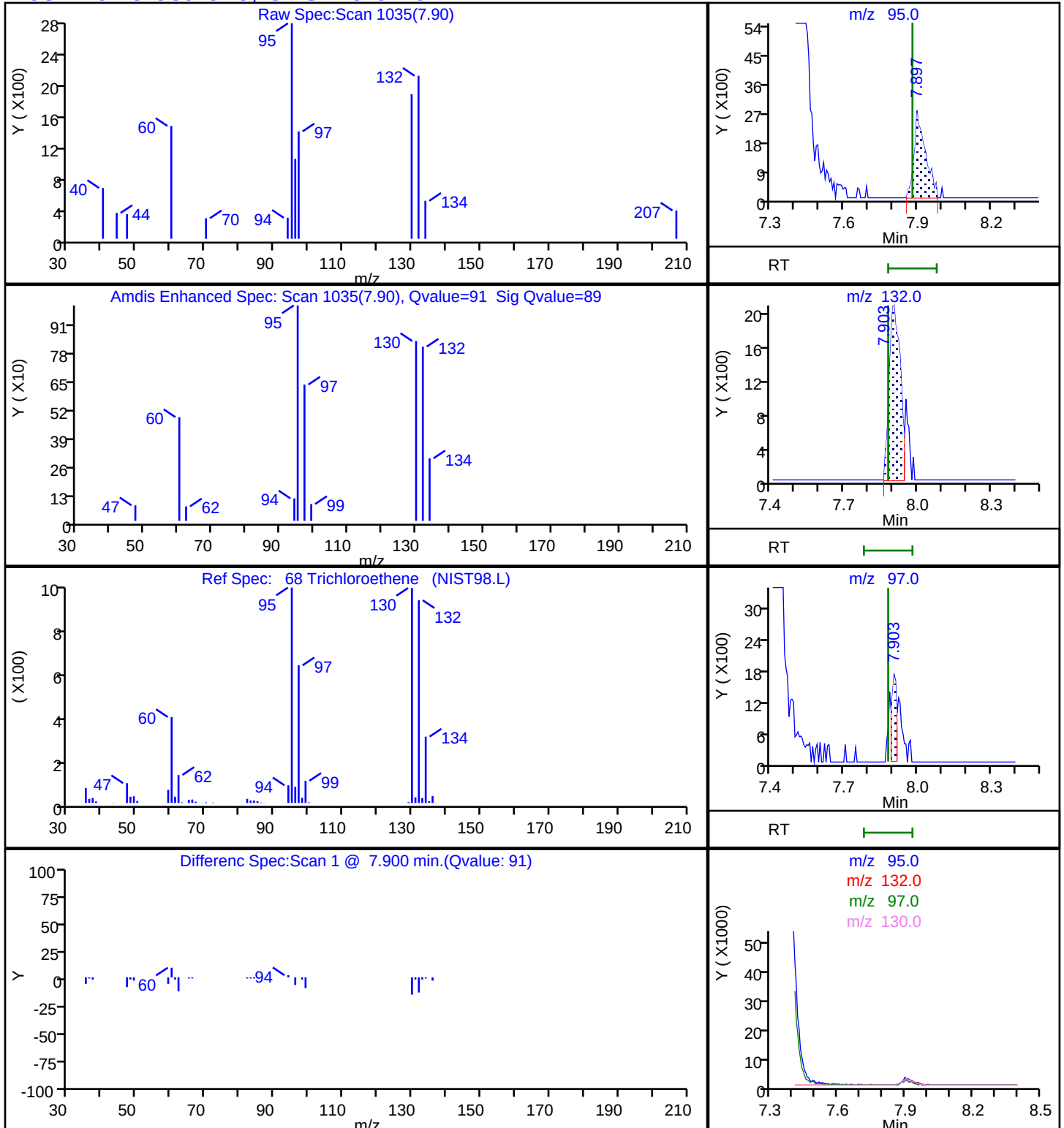
Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

107 Tetrachloroethene, CAS: 127-18-4

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X48.D
Injection Date: 05-Jun-2025 02:44:30 Instrument ID: 19094
Lims ID: 410-224440-A-12 Lab Sample ID: 410-224440-12
Client ID: HD-COD-SW-29-0/1-0
Operator ID: gaw91131 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

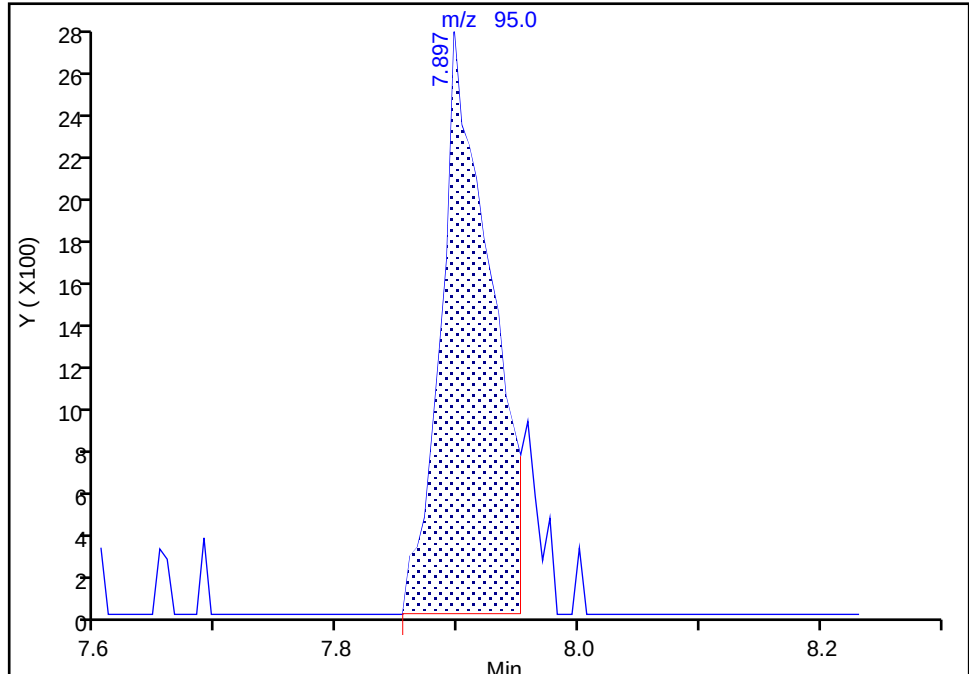
Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X48.D
Injection Date: 05-Jun-2025 02:44:30 Instrument ID: 19094
Lims ID: 410-224440-A-12 Lab Sample ID: 410-224440-12
Client ID: HD-COD-SW-29-0/1-0
Operator ID: gaw91131 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 Trichloroethene, CAS: 79-01-6

Signal: 1

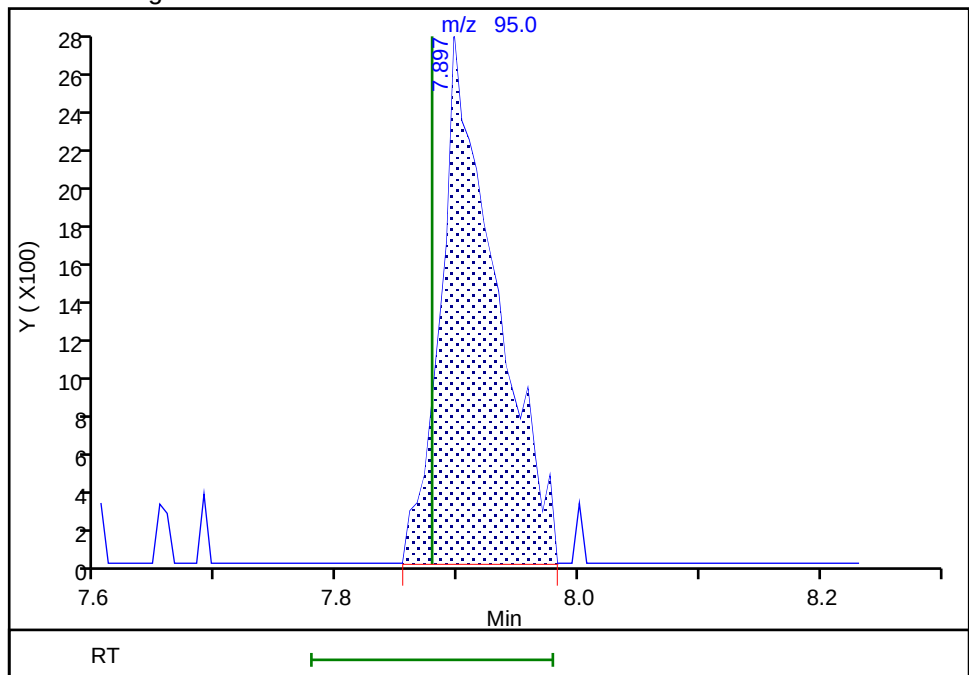
RT: 7.90
Area: 7842
Amount: 0.131592
Amount Units: ug/l

Processing Integration Results



RT: 7.90
Area: 8627
Amount: 0.144765
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 05-Jun-2025 14:07:22 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

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

Lab Sample ID: 410-224440-13

Matrix: Water

Lab File ID: HU04X57.D

Analysis Method: 8260D

Date Collected: 05/27/2025 12:00

Sample wt/vol: 25 (mL)

Date Analyzed: 06/05/2025 05:50

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.: 653082

Units: ug/L

Preparation Batch No.:

Instrument ID: 19094

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	12		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	2.1		0.50	0.10
75-35-4	1,1-Dichloroethene	0.92		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	1.5
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	0.18	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	2.3		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
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.: 410-224440-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-QC1-0/1-1 Lab Sample ID: 410-224440-13

Matrix: Water Lab File ID: HU04X57.D

Analysis Method: 8260D Date Collected: 05/27/2025 12:00

Sample wt/vol: 25 (mL) Date Analyzed: 06/05/2025 05:50

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.: 653082 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 19094

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	4.6		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	91		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X57.D
 Lims ID: 410-224440-A-13
 Client ID: HD-QC1-0/1-1
 Sample Type: Client
 Inject. Date: 05-Jun-2025 05:50:30 ALS Bottle#: 27 Worklist Smp#: 28
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0149342-028
 Operator ID: gaw91131 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Jun-2025 09:23:16 Calib Date: 31-Mar-2025 18:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1645

First Level Reviewer: FQ4L

Date: 06-Jun-2025 09:23:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.038				ND	
6 Vinyl chloride	62		2.148				ND	
9 Bromomethane	94		2.465				ND	
10 Chloroethane	64		2.514				ND	
17 1,1-Dichloroethene	96	3.294	3.288	0.006	96	41110	0.9228	
19 Acetone	43		3.288				ND	
23 Carbon disulfide	76		3.568				ND	7
* 28 t-Butyl alcohol-d10 (IS)	65	3.922	3.879	0.043	76	41691	50.0	
27 Methylene Chloride	84		3.885				ND	
32 Methyl tert-butyl ether	73		4.257				ND	7
33 trans-1,2-Dichloroethene	96	4.324	4.281	0.043	49	2329	0.0467	
36 1,1-Dichloroethane	63	4.940	4.928	0.012	97	204703	2.05	
41 2-Butanone (MEK)	43		5.739				ND	
42 cis-1,2-Dichloroethene	96	5.781	5.775	0.006	81	138332	2.32	
48 Chlorobromomethane	128		6.104				ND	
50 Chloroform	83	6.281	6.263	0.018	90	16725	0.1799	
\$ 52 Dibromofluoromethane (Surr)	113	6.476	6.476	0.000	94	433550	10.4	
53 1,1,1-Trichloroethane	97	6.494	6.494	0.000	99	1004410	11.9	
56 Carbon tetrachloride	117		6.714				ND	7
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.946	6.940	0.006	47	77444	10.5	
59 Benzene	78		6.970				ND	7
60 1,2-Dichloroethane	62		7.043				ND	
* 64 Fluorobenzene (IS)	96	7.391	7.385	0.006	99	1922143	10.0	
68 Trichloroethene	95	7.884	7.878	0.006	99	270478	4.58	
70 1,2-Dichloropropane	63		8.208				ND	
76 Dichlorobromomethane	83		8.561				ND	
80 cis-1,3-Dichloropropene	75		9.134				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.311				ND	
\$ 83 Toluene-d8 (Surr)	98	9.463	9.457	0.006	94	1915786	9.98	
84 Toluene	92		9.543				ND	7
85 trans-1,3-Dichloropropene	75		9.817				ND	
106 1,1,2-Trichloroethane	97		10.024				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.116	10.116	0.000	98	13271181	190.4	E
109 2-Hexanone	43		10.250				ND	
111 Chlorodibromomethane	129		10.414				ND	7
112 Ethylene Dibromide	107		10.530				ND	
* 113 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	86	1418808	10.0	
115 Chlorobenzene	112		11.000				ND	7
116 1,1,1,2-Tetrachloroethane	131		11.085				ND	
117 Ethylbenzene	91		11.091				ND	
119 m-Xylene & p-Xylene	106		11.207				ND	
S 118 Xylenes, Total	106		11.245				ND	7
120 o-Xylene	106		11.542				ND	
121 Styrene	104		11.561				ND	
122 Bromoform	173		11.719				ND	
\$ 126 4-Bromofluorobenzene (Surr)	95	11.999	11.993	0.006	91	640559	9.12	
127 1,1,2,2-Tetrachloroethane	83		12.097				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.889	12.883	0.006	95	687962	10.0	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_LLcentISS_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 06-Jun-2025 09:23:17

Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X57.D

Injection Date: 05-Jun-2025 05:50:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: 410-224440-A-13

Lab Sample ID: 410-224440-13

Worklist Smp#: 28

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

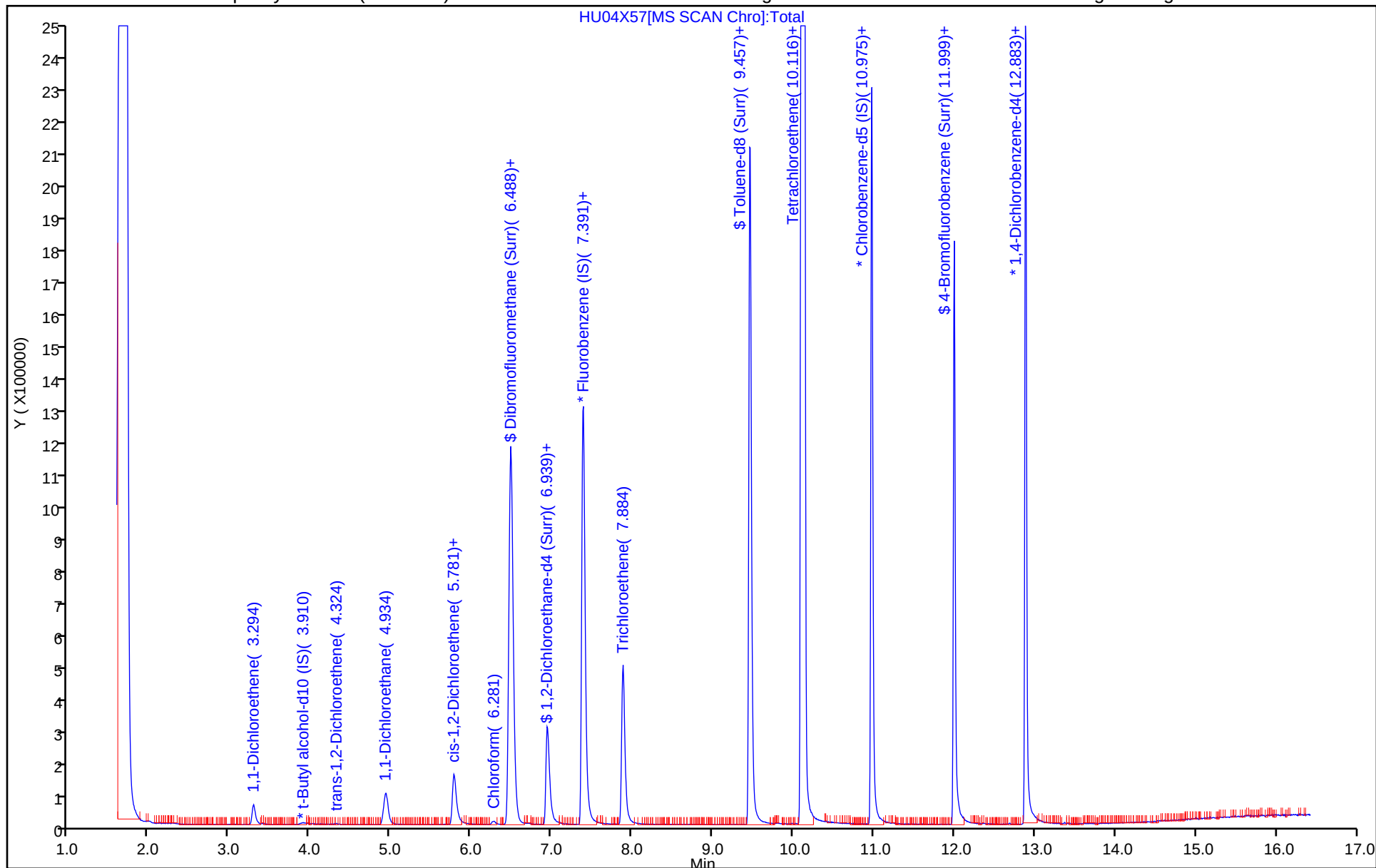
ALS Bottle#: 27

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X57.D
Lims ID: 410-224440-A-13
Client ID: HD-QC1-0/1-1
Sample Type: Client
Inject. Date: 05-Jun-2025 05:50:30 ALS Bottle#: 27 Worklist Smp#: 28
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149342-028
Operator ID: gaw91131 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:23:16 Calib Date: 31-Mar-2025 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: FQ4L

Date: 06-Jun-2025 09:23:16

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.4	103.85
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.5	104.77
\$ 83 Toluene-d8 (Surr)	10.0	9.98	99.80
\$ 126 4-Bromofluorobenzene (Surr)	10.0	9.12	91.17

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X57.D

Injection Date: 05-Jun-2025 05:50:30

Instrument ID: 19094

Lims ID: 410-224440-A-13

Lab Sample ID: 410-224440-13

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

Operator ID: gaw91131

ALS Bottle#: 27

Worklist Smp#: 28

Purge Vol: 25.000 mL

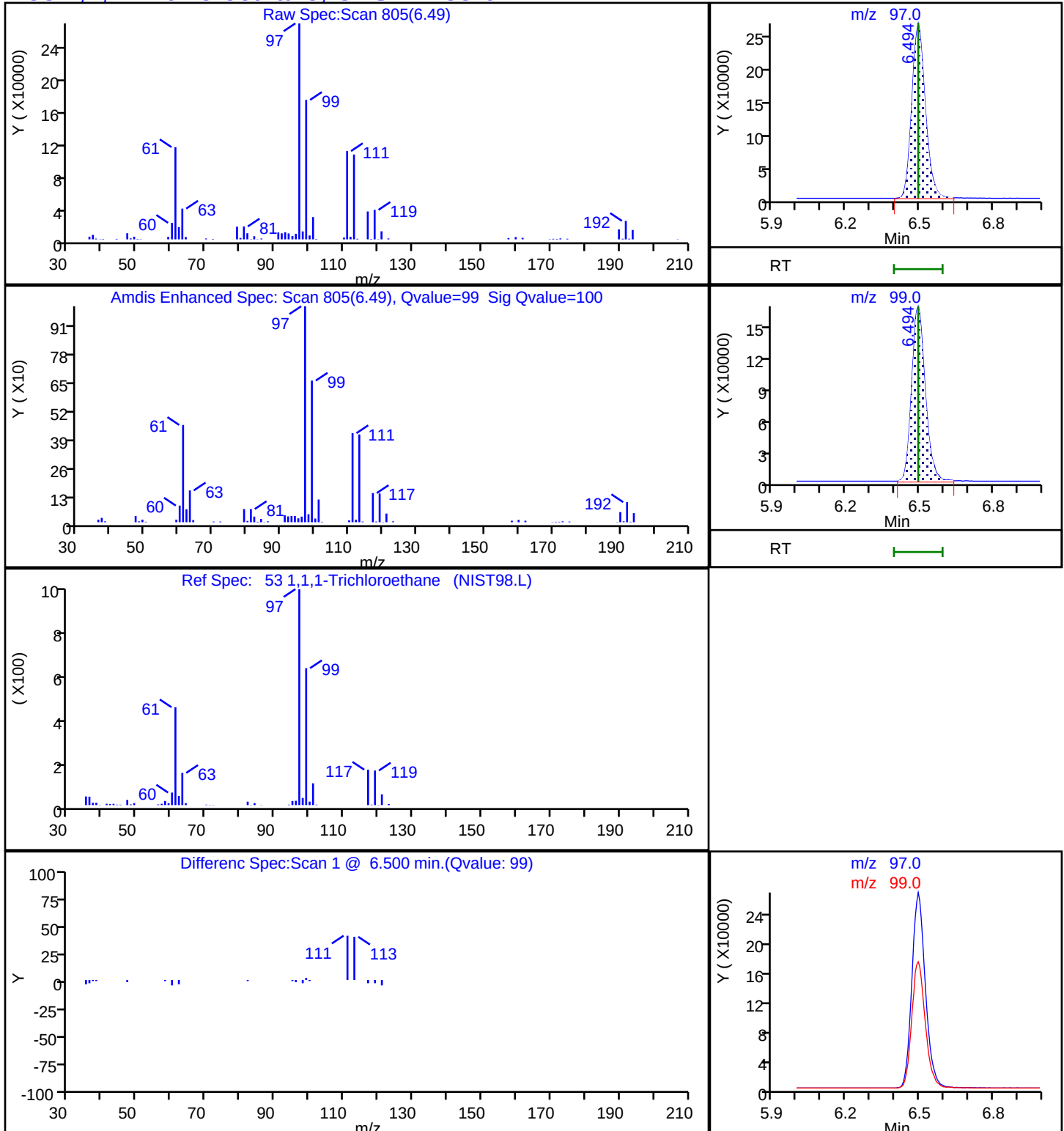
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

53 1,1,1-Trichloroethane, CAS: 71-55-6

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X57.D

Injection Date: 05-Jun-2025 05:50:30

Instrument ID: 19094

Lims ID: 410-224440-A-13

Lab Sample ID: 410-224440-13

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

Operator ID: gaw91131

ALS Bottle#: 27

Worklist Smp#: 28

Purge Vol: 25.000 mL

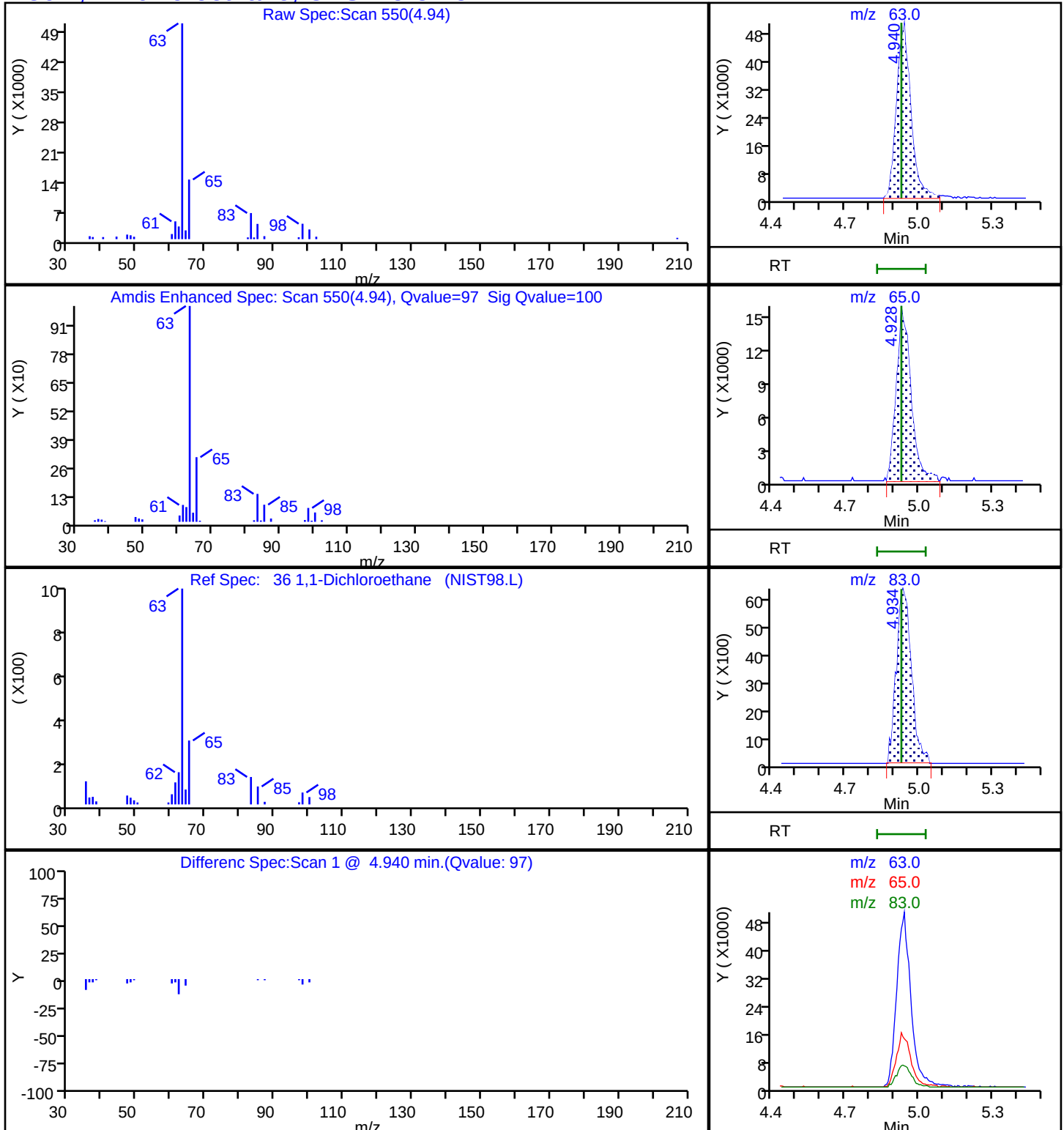
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

36 1,1-Dichloroethane, CAS: 75-34-3

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X57.D

Injection Date: 05-Jun-2025 05:50:30

Instrument ID: 19094

Lims ID: 410-224440-A-13

Lab Sample ID: 410-224440-13

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

Operator ID: gaw91131

ALS Bottle#: 27

Worklist Smp#: 28

Purge Vol: 25.000 mL

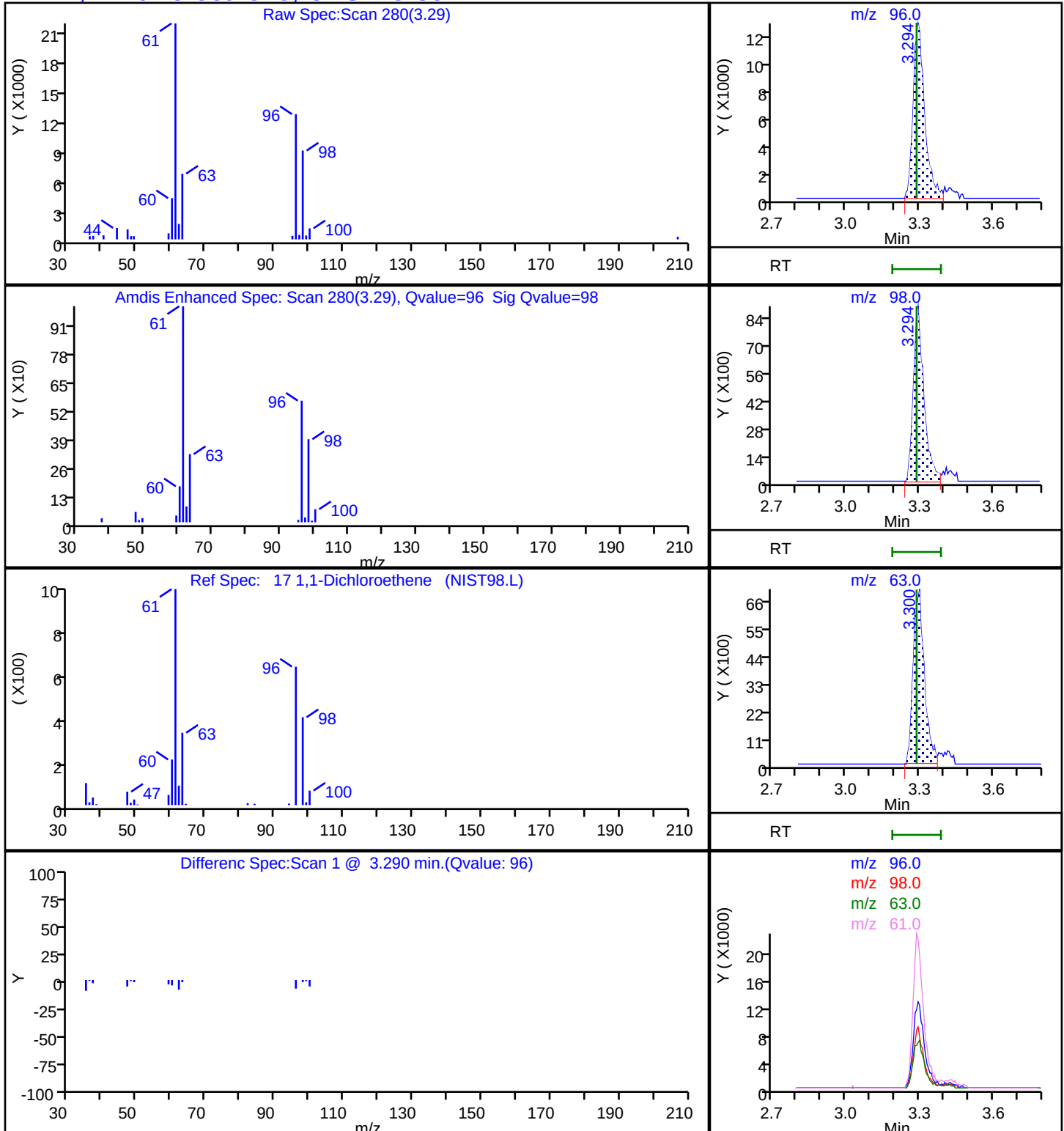
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

17 1,1-Dichloroethene, CAS: 75-35-4

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X57.D

Injection Date: 05-Jun-2025 05:50:30

Instrument ID: 19094

Lims ID: 410-224440-A-13

Lab Sample ID: 410-224440-13

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

Operator ID: gaw91131

ALS Bottle#: 27

Worklist Smp#: 28

Purge Vol: 25.000 mL

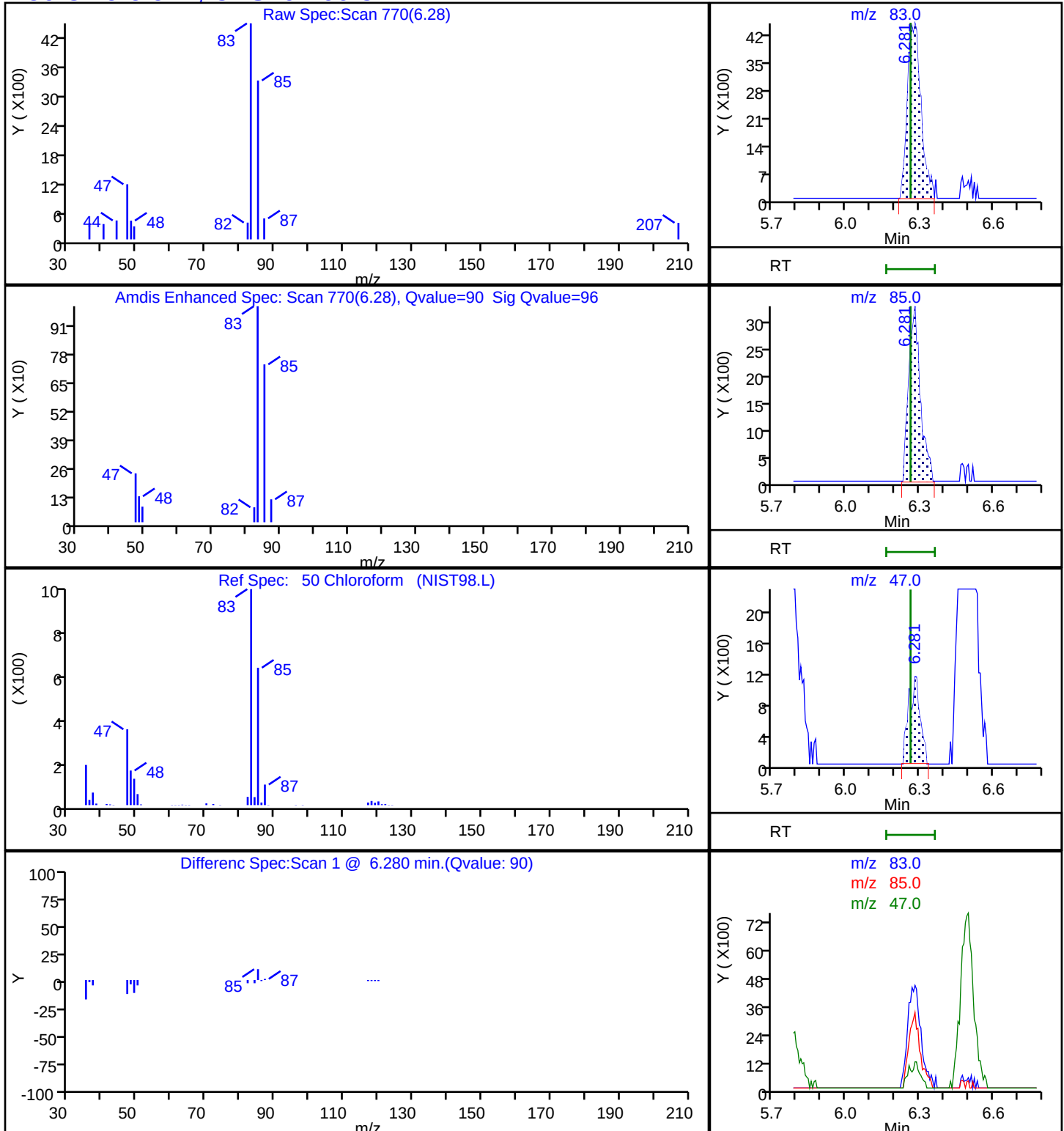
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

50 Chloroform, CAS: 67-66-3

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X57.D

Injection Date: 05-Jun-2025 05:50:30

Instrument ID: 19094

Lims ID: 410-224440-A-13

Lab Sample ID: 410-224440-13

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

Operator ID: gaw91131

ALS Bottle#: 27

Worklist Smp#: 28

Purge Vol: 25.000 mL

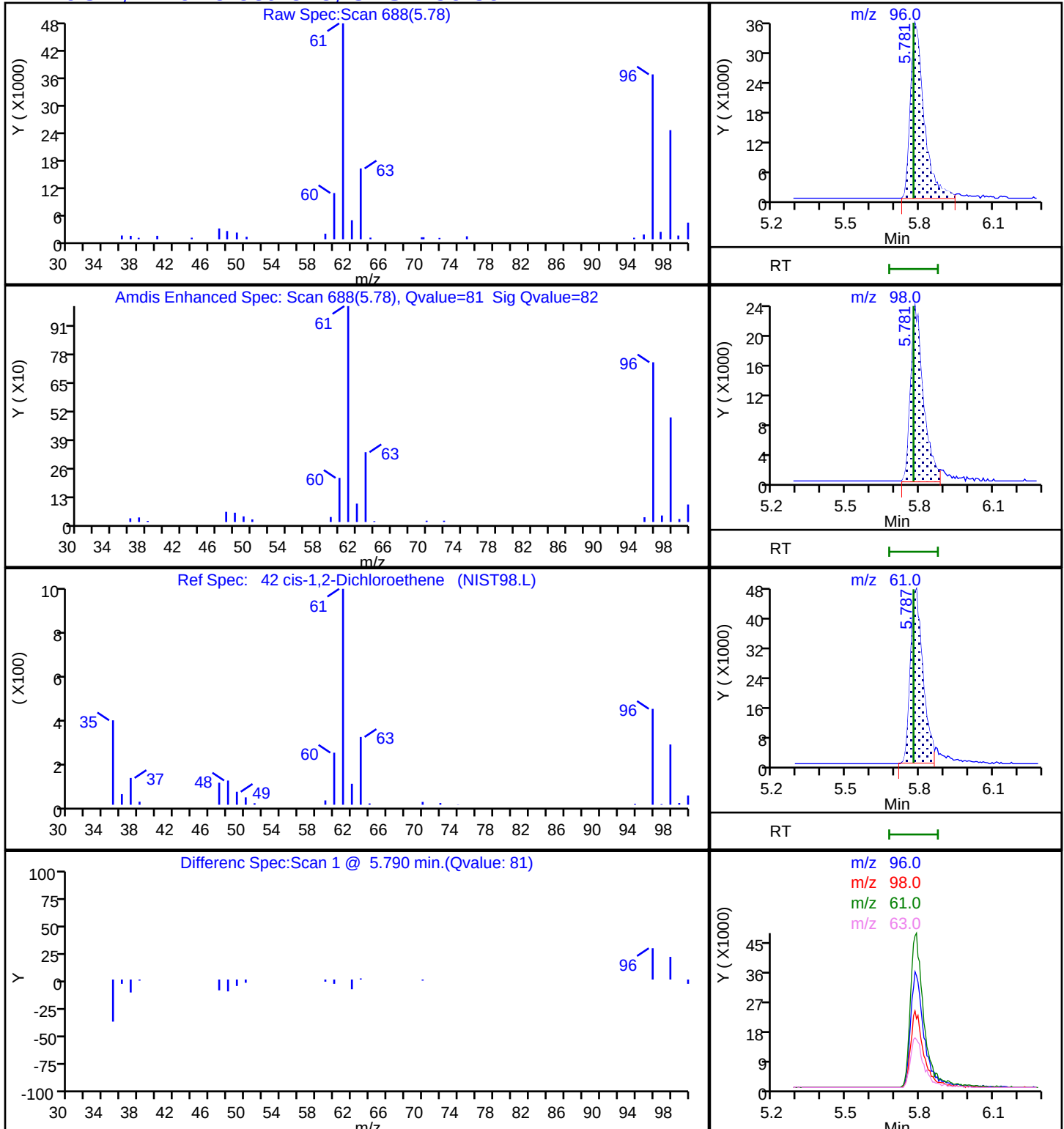
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X57.D

Injection Date: 05-Jun-2025 05:50:30

Instrument ID: 19094

Lims ID: 410-224440-A-13

Lab Sample ID: 410-224440-13

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

Operator ID: gaw91131

ALS Bottle#: 27

Worklist Smp#: 28

Purge Vol: 25.000 mL

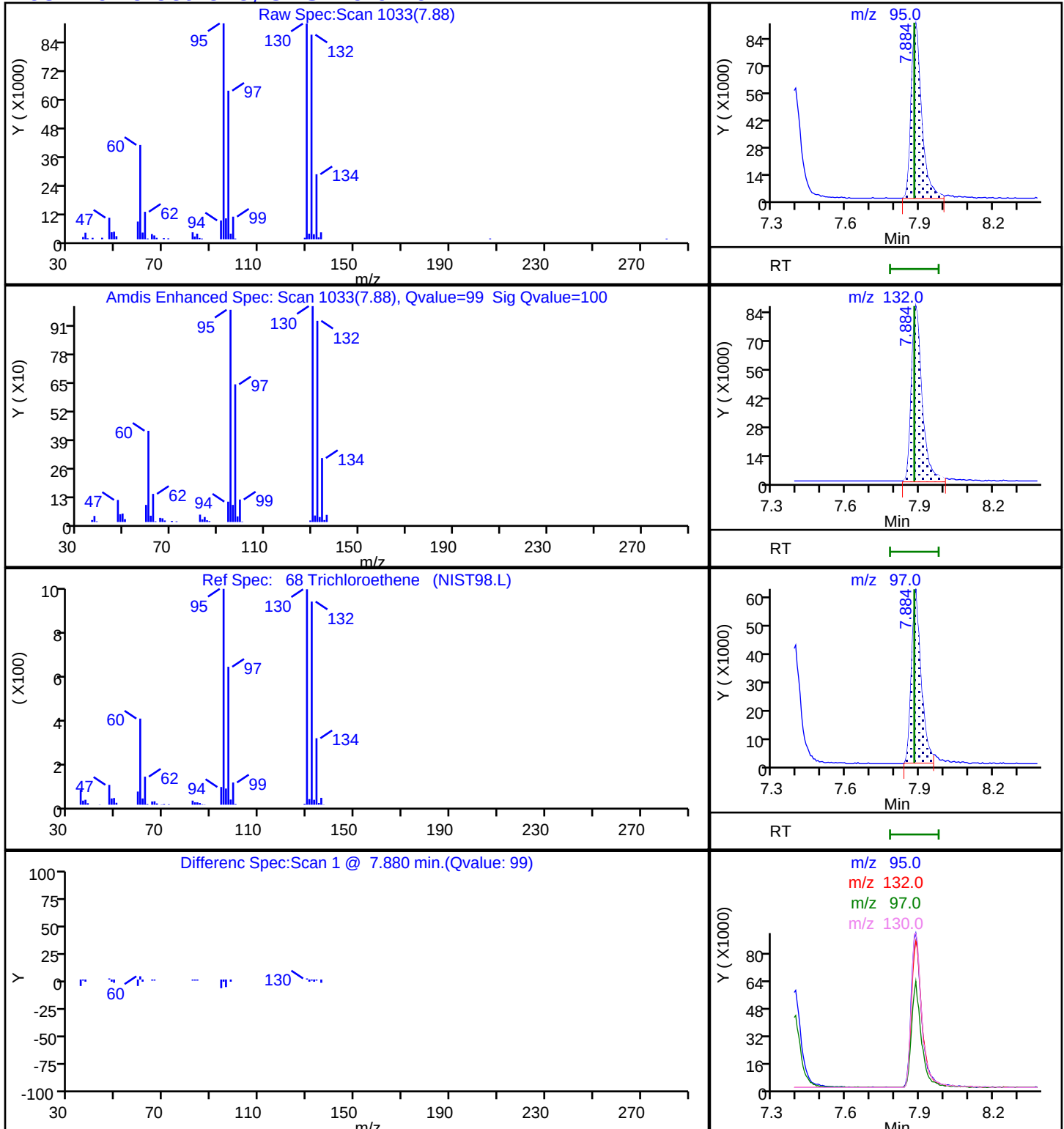
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

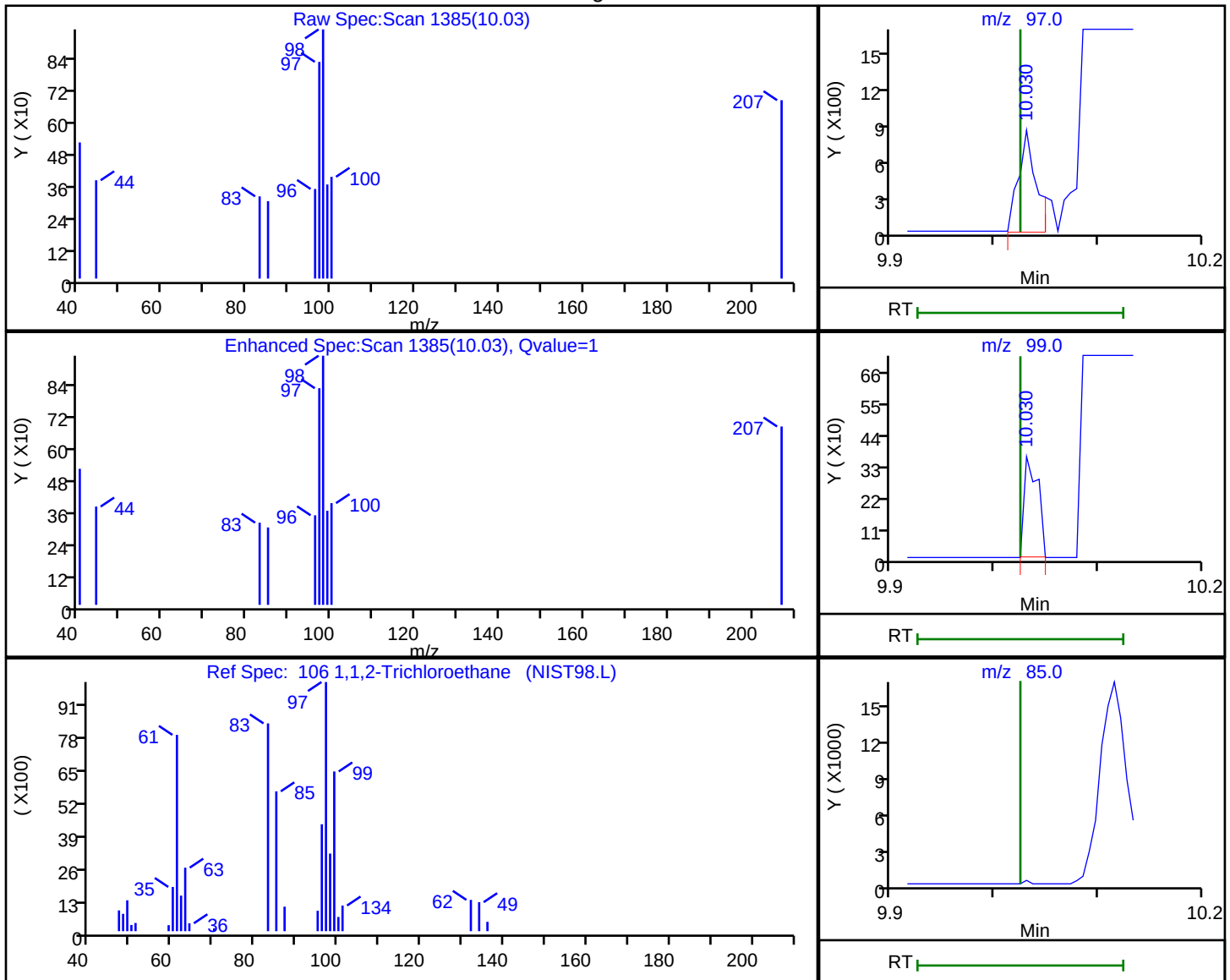
68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X57.D
Injection Date: 05-Jun-2025 05:50:30 Instrument ID: 19094
Lims ID: 410-224440-A-13 Lab Sample ID: 410-224440-13
Client ID: HD-QC1-0/1-1
Operator ID: gaw91131 ALS Bottle#: 27 Worklist Smp#: 28
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

106 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
10.03	97.00	975	0.030186
10.03	99.00	329	
10.02	85.00	0	
10.03	83.00	222	

Reviewer: FQ4L, 06-Jun-2025 09:23:06 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.: 410-224440-1

SDG No.:

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

Lab Sample ID: 410-224440-13 DL

Matrix: Water

Lab File ID: HU04X58.D

Analysis Method: 8260D

Date Collected: 05/27/2025 12:00

Sample wt/vol: 25 (mL)

Date Analyzed: 06/05/2025 06:11

Soil Aliquot Vol:

Dilution Factor: 20

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.: 653082

Units: ug/L

Preparation Batch No.:

Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	150		10	4.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X58.D
 Lims ID: 410-224440-B-13 DL
 Client ID: HD-QC1-0/1-1
 Sample Type: Client
 Inject. Date: 05-Jun-2025 06:11:30 ALS Bottle#: 28 Worklist Smp#: 29
 Purge Vol: 25.000 mL Dil. Factor: 20.0000
 Sample Info: 410-0149342-029
 Operator ID: gaw91131 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Jun-2025 09:24:04 Calib Date: 31-Mar-2025 18:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1645

First Level Reviewer: FQ4L

Date: 06-Jun-2025 09:24:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.038				ND	
6 Vinyl chloride	62		2.148				ND	
9 Bromomethane	94		2.465				ND	
10 Chloroethane	64		2.514				ND	
17 1,1-Dichloroethene	96	3.282	3.288	-0.006	43	1554	0.0345	
19 Acetone	43		3.288				ND	
23 Carbon disulfide	76		3.568				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.885	3.879	0.006	98	51905	50.0	
27 Methylene Chloride	84		3.885				ND	
32 Methyl tert-butyl ether	73		4.257				ND	
33 trans-1,2-Dichloroethene	96		4.281				ND	
36 1,1-Dichloroethane	63	4.928	4.928	0.000	1	8689	0.0861	
41 2-Butanone (MEK)	43		5.739				ND	
42 cis-1,2-Dichloroethene	96	5.799	5.775	0.024	78	5008	0.0832	
48 Chlorobromomethane	128		6.104				ND	
50 Chloroform	83	6.269	6.263	0.006	93	50843	0.5405	
\$ 52 Dibromofluoromethane (Surr)	113	6.482	6.476	0.006	94	435204	10.3	
53 1,1,1-Trichloroethane	97	6.488	6.494	-0.006	62	39839	0.4678	
56 Carbon tetrachloride	117		6.714				ND	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.933	6.940	-0.007	46	78241	10.5	
59 Benzene	78		6.970				ND	
60 1,2-Dichloroethane	62		7.043				ND	
* 64 Fluorobenzene (IS)	96	7.384	7.385	-0.001	99	1944595	10.0	
68 Trichloroethene	95	7.897	7.878	0.019	95	11759	0.1970	M
70 1,2-Dichloropropane	63		8.208				ND	
76 Dichlorobromomethane	83		8.561				ND	
80 cis-1,3-Dichloropropene	75		9.134				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.311				ND	
\$ 83 Toluene-d8 (Surr)	98	9.457	9.457	0.000	94	1941750	10.2	
84 Toluene	92		9.543				ND	
85 trans-1,3-Dichloropropene	75		9.817				ND	
106 1,1,2-Trichloroethane	97		10.024				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.116	10.116	0.000	98	512183	7.42	
109 2-Hexanone	43		10.250				ND	
111 Chlorodibromomethane	129		10.414				ND	7
112 Ethylene Dibromide	107		10.530				ND	
* 113 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	87	1405047	10.0	
115 Chlorobenzene	112		11.000				ND	
116 1,1,1,2-Tetrachloroethane	131		11.085				ND	
117 Ethylbenzene	91		11.091				ND	
119 m-Xylene & p-Xylene	106		11.207				ND	
S 118 Xylenes, Total	106		11.245				ND	7
120 o-Xylene	106		11.542				ND	
121 Styrene	104		11.561				ND	
122 Bromoform	173		11.719				ND	
\$ 126 4-Bromofluorobenzene (Surr)	95	11.999	11.993	0.006	91	640781	9.21	
127 1,1,2,2-Tetrachloroethane	83		12.097				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.883	12.883	0.000	95	702183	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

MSV_LLcentISS_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 06-Jun-2025 09:24:05

Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X58.D

Injection Date: 05-Jun-2025 06:11:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: 410-224440-B-13 DL

Lab Sample ID: 410-224440-13

Worklist Smp#: 29

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

Purge Vol: 25.000 mL

Dil. Factor: 20.0000

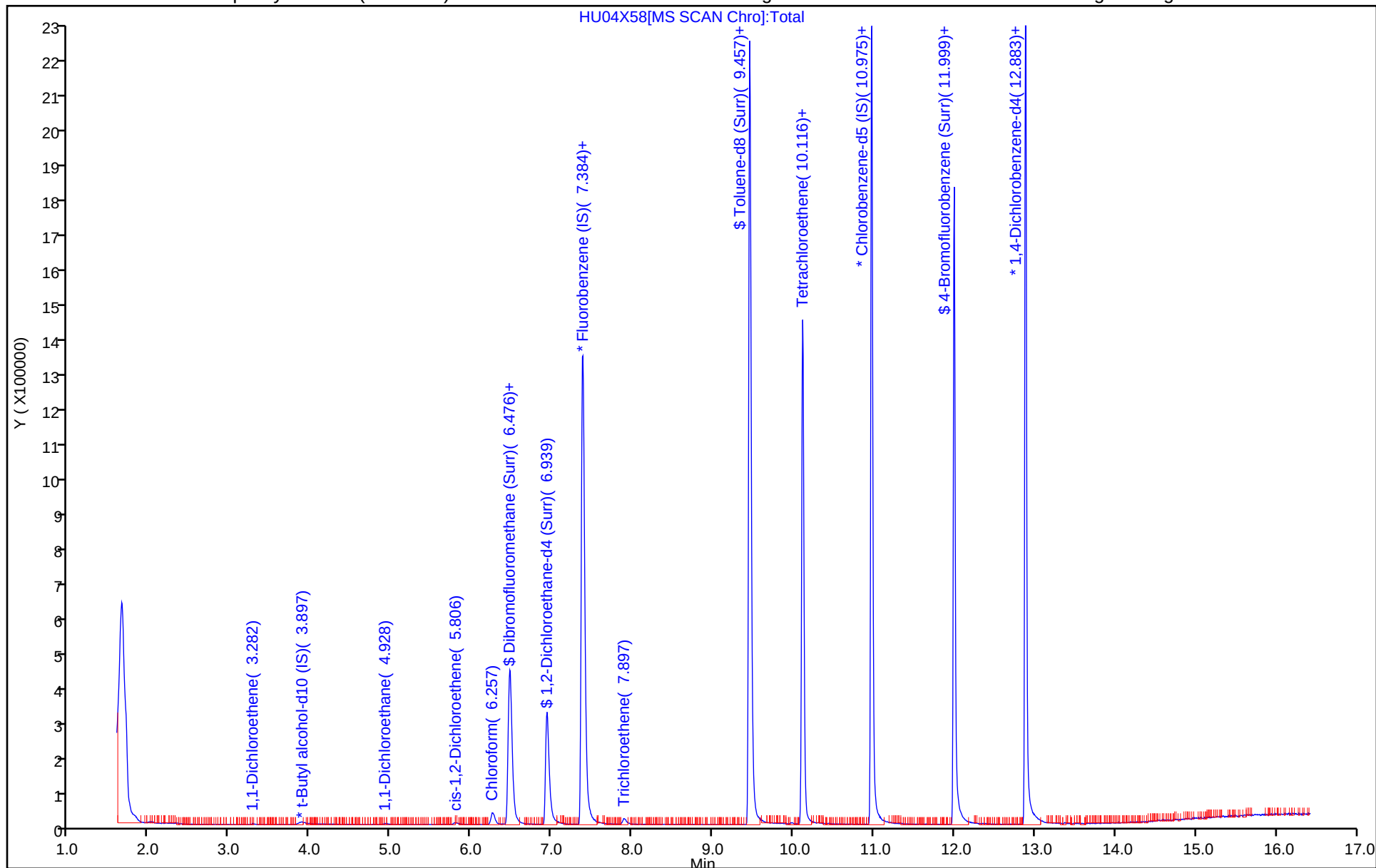
ALS Bottle#: 28

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

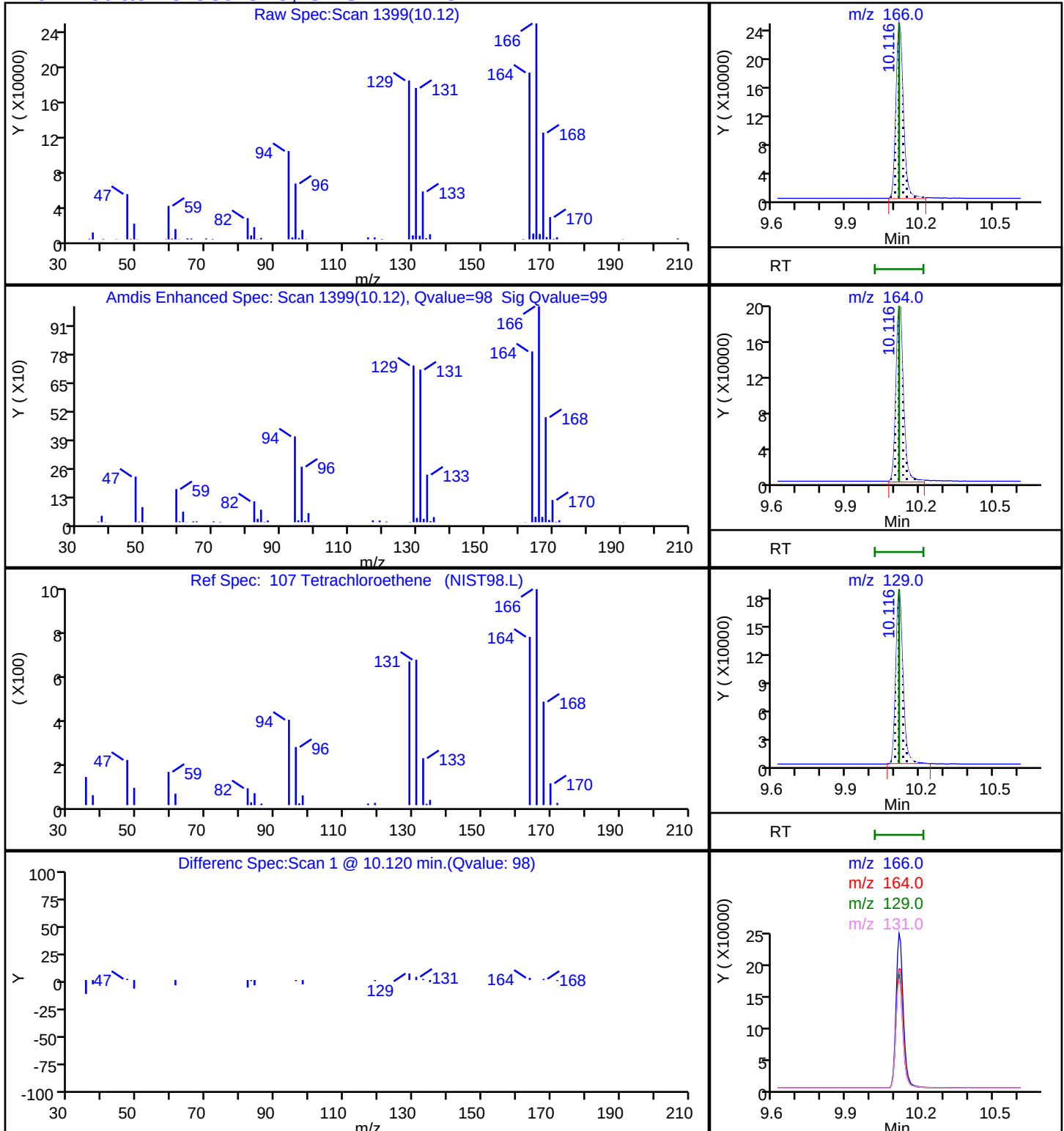
Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X58.D
Lims ID: 410-224440-B-13 DL
Client ID: HD-QC1-0/1-1
Sample Type: Client
Inject. Date: 05-Jun-2025 06:11:30 ALS Bottle#: 28 Worklist Smp#: 29
Purge Vol: 25.000 mL Dil. Factor: 20.0000
Sample Info: 410-0149342-029
Operator ID: gaw91131 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:24:04 Calib Date: 31-Mar-2025 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: FQ4L

Date: 06-Jun-2025 09:24:04

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.3	103.04
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.5	104.63
\$ 83 Toluene-d8 (Surr)	10.0	10.2	102.15
\$ 126 4-Bromofluorobenzene (Surr)	10.0	9.21	92.09

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X58.D
Injection Date: 05-Jun-2025 06:11:30 Instrument ID: 19094
Lims ID: 410-224440-B-13 DL Lab Sample ID: 410-224440-13
Client ID: HD-QC1-0/1-1
Operator ID: gaw91131 ALS Bottle#: 28 Worklist Smp#: 29
Purge Vol: 25.000 mL Dil. Factor: 20.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

107 Tetrachloroethene, CAS: 127-18-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

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

Lab Sample ID: 410-224440-14

Matrix: Water

Lab File ID: HU04X36.D

Analysis Method: 8260D

Date Collected: 05/27/2025 00:00

Sample wt/vol: 25 (mL)

Date Analyzed: 06/04/2025 22:30

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 653082

Units: ug/L

Preparation Batch No.:

Instrument ID: 19094

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	1.5
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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-QC1-0/1-2 Lab Sample ID: 410-224440-14

Matrix: Water Lab File ID: HU04X36.D

Analysis Method: 8260D Date Collected: 05/27/2025 00:00

Sample wt/vol: 25 (mL) Date Analyzed: 06/04/2025 22:30

Soil Aliquot Vol: _____ Dilution Factor: 1

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

Purge Volume: 25.0 (mL) Heated Purge: (Y/N) N pH: _____

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

Analysis Batch No.: 653082 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	ND		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X36.D
 Lims ID: 410-224440-A-14
 Client ID: HD-QC1-0/1-2
 Sample Type: Client
 Inject. Date: 04-Jun-2025 22:30:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0149342-007
 Operator ID: gaw91131 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-Jun-2025 22:35:36 Calib Date: 31-Mar-2025 18:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 11:51:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.038				ND	
6 Vinyl chloride	62		2.148				ND	
9 Bromomethane	94		2.465				ND	
10 Chloroethane	64		2.514				ND	
17 1,1-Dichloroethene	96		3.288				ND	
19 Acetone	43		3.288				ND	
23 Carbon disulfide	76		3.568				ND	7
* 28 t-Butyl alcohol-d10 (IS)	65	3.903	3.879	0.024	98	62122	50.0	
27 Methylene Chloride	84		3.885				ND	
32 Methyl tert-butyl ether	73		4.257				ND	
33 trans-1,2-Dichloroethene	96		4.281				ND	
36 1,1-Dichloroethane	63		4.928				ND	
41 2-Butanone (MEK)	43		5.739				ND	
42 cis-1,2-Dichloroethene	96		5.775				ND	
48 Chlorobromomethane	128		6.104				ND	
50 Chloroform	83		6.263				ND	
\$ 52 Dibromofluoromethane (Surr)	113	6.476	6.476	0.000	94	451328	10.4	
53 1,1,1-Trichloroethane	97		6.494				ND	
56 Carbon tetrachloride	117		6.714				ND	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.933	6.940	-0.007	47	81091	10.5	
59 Benzene	78		6.970				ND	7
60 1,2-Dichloroethane	62		7.043				ND	
* 64 Fluorobenzene (IS)	96	7.384	7.385	-0.001	99	2004351	10.0	
68 Trichloroethene	95		7.878				ND	
70 1,2-Dichloropropane	63		8.208				ND	
76 Dichlorobromomethane	83		8.561				ND	
80 cis-1,3-Dichloropropene	75		9.134				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.311				ND	
\$ 83 Toluene-d8 (Surr)	98	9.457	9.457	0.000	94	2015766	10.2	
84 Toluene	92	9.542	9.543	-0.001	98	4309	0.0278	
85 trans-1,3-Dichloropropene	75		9.817				ND	
106 1,1,2-Trichloroethane	97		10.024				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166		10.116				ND	
109 2-Hexanone	43		10.250				ND	
111 Chlorodibromomethane	129		10.414				ND	
112 Ethylene Dibromide	107		10.530				ND	
* 113 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	87	1460514	10.0	
115 Chlorobenzene	112		11.000				ND	7
116 1,1,1,2-Tetrachloroethane	131		11.085				ND	
117 Ethylbenzene	91		11.091				ND	
119 m-Xylene & p-Xylene	106		11.207				ND	
S 118 Xylenes, Total	106		11.245				ND	7
120 o-Xylene	106		11.542				ND	
121 Styrene	104		11.561				ND	
122 Bromoform	173		11.719				ND	
\$ 126 4-Bromofluorobenzene (Surr)	95	11.999	11.993	0.006	92	675445	9.34	
127 1,1,2,2-Tetrachloroethane	83		12.097				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.889	12.883	0.006	95	743361	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_LLcentISS_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 05-Jun-2025 11:51:48

Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X36.D

Injection Date: 04-Jun-2025 22:30:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: 410-224440-A-14

Lab Sample ID: 410-224440-14

Worklist Smp#: 7

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

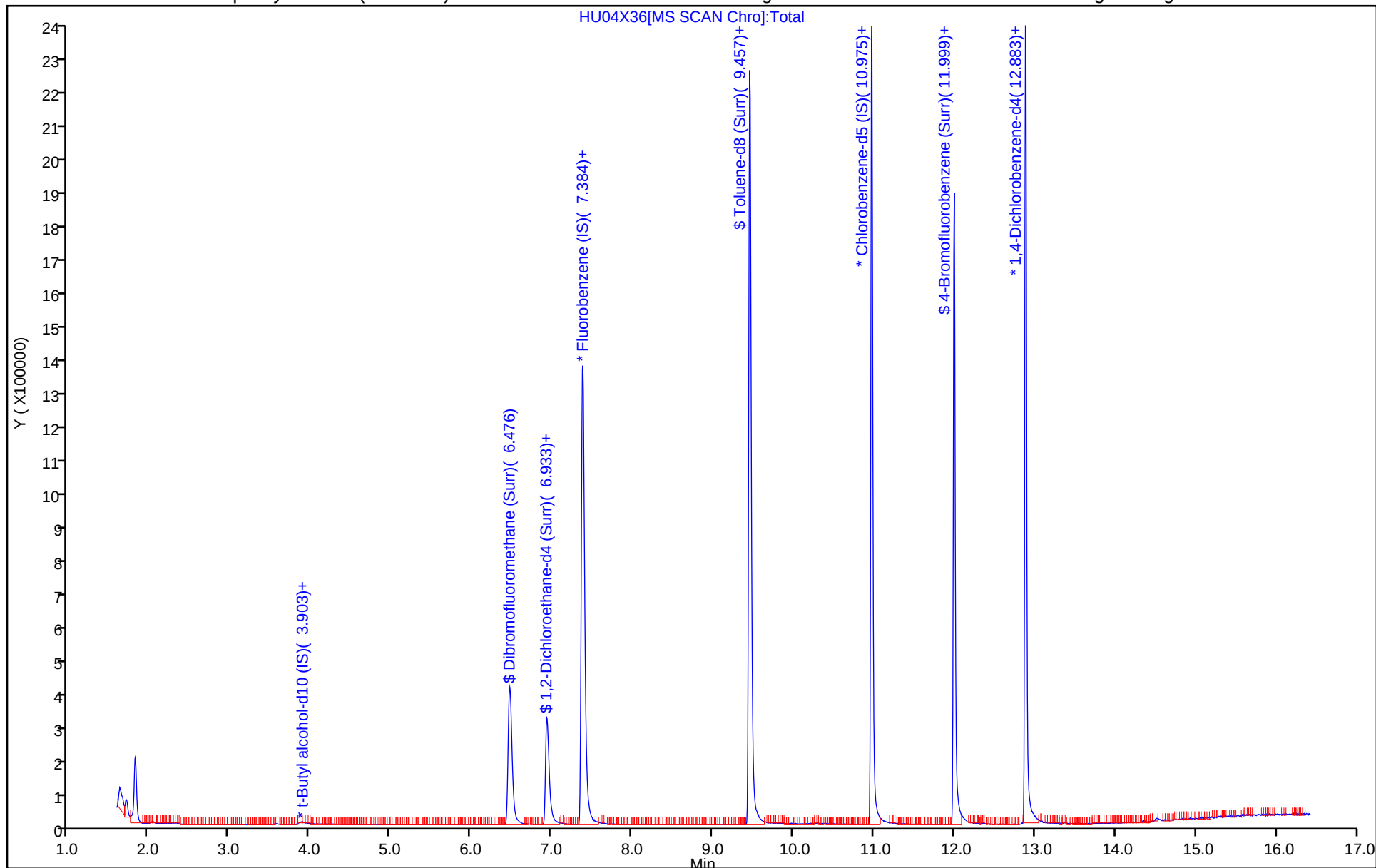
ALS Bottle#: 6

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X36.D
Lims ID: 410-224440-A-14
Client ID: HD-QC1-0/1-2
Sample Type: Client
Inject. Date: 04-Jun-2025 22:30:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149342-007
Operator ID: gaw91131 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 04-Jun-2025 22:35:36 Calib Date: 31-Mar-2025 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 11:51:47

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.4	103.68
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.5	105.20
\$ 83 Toluene-d8 (Surr)	10.0	10.2	102.01
\$ 126 4-Bromofluorobenzene (Surr)	10.0	9.34	93.39

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 623992
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 15:52 Calibration End Date: 03/31/2025 18:38 Calibration ID: 71644

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-623992/13	HM31X12.D
Level 2	IC 410-623992/14	HM31X13.D
Level 3	IC 410-623992/15	HM31X14.D
Level 4	IC 410-623992/16	HM31X15.D
Level 5	IC 410-623992/17	HM31X16.D
Level 6	IC 410-623992/18	HM31X17.D
Level 7	IC 410-623992/19	HM31X18.D
Level 8	ICIS 410-623992/20	HM31X19.D
Level 9	IC 410-623992/21	HM31X20.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	LVL 8	LVL 9													
Dichlorodifluoromethane	0.1853 0.3348	0.3384 0.3471	0.3799 0.3331	0.3655 0.3419	0.3623	Ave		0.332 0			0.1000	17.2		20.0			
Chloromethane	0.6302 0.4102	0.5661 0.4239	0.5071 0.4018	0.4288 0.4069	0.4484	Ave		0.469 3			0.1000	17.3		20.0			
1,3-Butadiene	++++ 0.4029	0.4564 0.4093	0.4426 0.4078	0.4462 0.4067	0.4253	Ave		0.424 6				5.0		20.0			
Vinyl chloride	0.3711 0.4076	0.4422 0.3995	0.4343 0.3910	0.4207 0.4064	0.4094	Ave		0.409 1			0.1000	5.3		20.0			
Bromomethane	++++ 0.2712	0.3144 0.2622	0.2791 0.2625	0.2909 0.2683	0.2817	Ave		0.278 8			0.1000	6.3		20.0			
Chloroethane	0.1558 0.2422	0.2436 0.2346	0.2450 0.2338	0.2395 0.2341	0.2427	Ave		0.230 1			0.1000	12.3		20.0			
Dichlorofluoromethane	0.7903 0.6198	0.7270 0.6100	0.6524 0.6124	0.6531 0.6177	0.6278	Ave		0.656 7			0.1000	9.4		20.0			
Trichlorofluoromethane	++++ 0.4716	0.4829 0.4801	0.5037 0.4697	0.4967 0.4834	0.4887	Ave		0.484 6			0.1000	2.4		20.0			
Ethyl ether	++++ 0.1779	0.1234 0.1738	0.1600 0.1736	0.1728 0.1731	0.1807	Ave		0.166 9				11.1		20.0			
Freon 123a	0.2426 0.3691	0.4093 0.3608	0.3895 0.3577	0.3823 0.3708	0.3669	Ave		0.361 0				13.1		20.0			
Acrolein	++++ 3.4408	2.6904 3.5404	3.3494 4.2621	3.6732 3.2602	3.5621	Ave		3.472 3				12.6		20.0			
1,1-Dichloroethene	0.1693 0.2369	0.2637 0.2322	0.2410 0.2306	0.2497 0.2339	0.2287	Ave		0.231 8			0.1000	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
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 623992
 Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 15:52 Calibration End Date: 03/31/2025 18:38 Calibration ID: 71644

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 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Freon 113	++++ 0.2646	0.2225 0.2609	0.2594 0.2604	0.2741 0.2637	0.2422	Ave		0.256 0			0.1000	6.3		20.0			
Acetone	++++ 3.4570	4.8593 3.1872	3.3118 3.5850	3.8099 3.4267	3.7494	Ave		3.673 3			0.1000	14.2		20.0			
Methyl iodide	0.3164 0.4599	0.4557 0.4560	0.4654 0.4558	0.4877 0.4498	0.4607	Ave		0.445 3				11.1		20.0			
Ethyl bromide	++++ 0.2154	0.2055 0.2140	0.2208 0.2204	0.2144 0.2143	0.2162	Ave		0.215 1				2.2		20.0			
Carbon disulfide	0.9008 0.7009	0.8162 0.7057	0.7301 0.7019	0.7419 0.7102	0.6844	Ave		0.743 6			0.1000	9.5		20.0			
Methyl acetate	++++ 6.7757	++++ 9.4580	++++ 13.201	4.2406 11.940	8.4175	Lin	-5.63 3	12.31 4			0.1000				0.9950		0.9900
Allyl chloride	0.5215 0.4560	0.5627 0.4479	0.5032 0.4545	0.4981 0.4527	0.4617	Ave		0.484 3				8.2		20.0			
Methylene Chloride	0.1581 0.2509	0.2627 0.2504	0.2617 0.2464	0.2729 0.2416	0.2485	Ave		0.243 7			0.1000	13.8		20.0			
t-Butyl alcohol	++++ 0.9146	++++ 1.0194	0.8519 1.0647	1.2347 0.9371	1.1125	Ave		1.019 3				12.8		20.0			
Acrylonitrile	++++ 4.3680	++++ 4.7289	++++ 6.4279	0.7597 6.3700	3.9563	Lin	-10.1 1	6.540 7							0.9980		0.9900
Methyl tert-butyl ether	++++ 0.5398	0.5759 0.5163	0.5303 0.5056	0.5736 0.5177	0.5530	Ave		0.539 0			0.1000	4.9		20.0			
trans-1,2-Dichloroethene	0.1838 0.2686	0.2798 0.2643	0.2591 0.2685	0.2794 0.2693	0.2637	Ave		0.259 6			0.1000	11.3		20.0			
n-Hexane	++++ 0.4047	0.3743 0.4066	0.3777 0.4050	0.4047 0.4101	0.3523	Ave		0.391 9				5.4		20.0			
1,1-Dichloroethane	0.3986 0.5250	0.5815 0.5264	0.5279 0.5264	0.5489 0.5221	0.5128	Ave		0.518 9			0.2000	9.5		20.0			
di-Isopropyl ether	0.6845 0.9175	0.9375 0.9072	0.9080 0.9094	0.9597 0.9172	0.9189	Ave		0.895 5				9.0		20.0			
2-Chloro-1,3-butadiene	++++ 0.4500	0.4647 0.4601	0.4484 0.4629	0.4638 0.4716	0.4229	Ave		0.455 6				3.3		20.0			
Ethyl t-butyl ether	0.6906 0.7984	0.8492 0.7754	0.8240 0.7697	0.8684 0.7741	0.8003	Ave		0.794 4				6.5		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 623992
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 15:52 Calibration End Date: 03/31/2025 18:38 Calibration ID: 71644

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 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2-Butanone (MEK)	+++++ 6.0243	+++++ 6.6519	+++++ 8.8938	5.1531 8.1963	6.2081	Ave		6.935 7			0.1000	18.9		20.0			
cis-1,2-Dichloroethene	+++++ 0.3051	0.3461 0.2986	0.2910 0.3040	0.3239 0.3019	0.3070	Ave		0.309 7			0.1000	5.6		20.0			
2,2-Dichloropropane	0.3044 0.4473	0.4463 0.4461	0.4561 0.4411	0.4705 0.4475	0.4286	Ave		0.432 0				11.4		20.0			
Propionitrile	+++++ 1.4591	+++++ 1.6866	+++++ 1.9062	1.3758 1.9997	1.4518	Ave		1.646 5				15.8		20.0			
Methacrylonitrile	+++++ 7.1410	+++++ 8.2101	+++++ 11.168	7.7494 9.8791	7.1277	Lin	-25.6 1	10.12 3							0.9950		0.9900
Bromochloromethane	+++++ 0.1143	0.0602 0.1128	0.1065 0.1099	0.1212 0.1098	0.1168	Ave		0.106 4				18.1		20.0			
Tetrahydrofuran	+++++ 1.7923	+++++ 2.0988	1.2216 2.6978	1.7345 2.4452	1.9415	Lin1	-1.89 5	2.469 0							0.9930		0.9900
Chloroform	0.3464 0.4968	0.5321 0.4900	0.4874 0.4888	0.5286 0.4943	0.4896	Ave		0.483 8			0.2000	11.2		20.0			
1,1,1-Trichloroethane	0.2932 0.4431	0.5180 0.4442	0.4541 0.4448	0.4674 0.4502	0.4268	Ave		0.438 0			0.1000	13.7		20.0			
Cyclohexane	0.2970 0.5343	0.5492 0.5290	0.5439 0.5265	0.5567 0.5342	0.4897	Ave		0.506 7			0.1000	16.0		20.0			
1,1-Dichloropropene	0.3373 0.4185	0.4636 0.4274	0.4217 0.4245	0.4334 0.4381	0.4022	Ave		0.418 5				8.3		20.0			
Carbon tetrachloride	+++++ 0.3949	0.3621 0.3965	0.3841 0.3992	0.3914 0.4128	0.3707	Ave		0.388 9			0.1000	4.2		20.0			
Isobutyl alcohol	+++++ 0.3420	+++++ 0.3672	0.2812 0.3789	0.3001 0.3705	0.3544	Ave		0.342 1				10.9		20.0			
Benzene	1.1039 1.1950	1.2285 1.1878	1.2147 1.2031	1.2795 1.2108	1.1950	Ave		1.202 0			0.5000	3.8		20.0			
1,2-Dichloroethane	+++++ 0.2586	0.2071 0.2521	0.2643 0.2518	0.2683 0.2573	0.2569	Ave		0.252 1			0.1000	7.5		20.0			
t-Amyl methyl ether	0.5355 0.6451	0.7257 0.6230	0.6321 0.6134	0.6663 0.6329	0.6451	Ave		0.635 5				7.9		20.0			
n-Heptane	0.3622 0.3836	0.3840 0.3985	0.3706 0.3972	0.3452 0.4105	0.2989	Ave		0.372 3				9.1		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.: 410-224440-1 Analy Batch No.: 623992
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 15:52 Calibration End Date: 03/31/2025 18:38 Calibration ID: 71644

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 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
n-Butanol	+++++ 0.2206	+++++ 0.2679	+++++ 0.2443	0.1273 0.2539	0.1830	Lin	-4.46 5	0.255 7							0.9990		0.9900
Trichloroethene	+++++ 0.3037	0.3128 0.3076	0.3042 0.3121	0.3073 0.3135	0.2949	Ave		0.307 n			0.2000	2.0		20.0			
Methylcyclohexane	0.2696 0.5370	0.5221 0.5411	0.5320 0.5360	0.5239 0.5511	0.4693	Ave		0.498 n			0.1000	17.8		20.0			
1,2-Dichloropropane	0.1728 0.3016	0.2989 0.2994	0.3103 0.3018	0.3131 0.3075	0.2993	Ave		0.289 4			0.1000	15.2		20.0			
Methyl methacrylate	+++++ 14.651	+++++ 16.344	+++++ 24.508	14.718 20.994	12.935	Lin	-6.73 1	21.64 7							0.9910		0.9900
1,4-Dioxane	+++++ 0.0559	+++++ 0.0543	+++++ 0.0511	+++++ 0.0472	0.0350	Ave		0.048 7			0.0050	17.1		20.0			
Dibromomethane	+++++ 0.1141	0.0799 0.1112	0.1084 0.1111	0.1145 0.1148	0.1144	Ave		0.108 5				10.9		20.0			
Bromodichloromethane	0.2293 0.3276	0.3289 0.3312	0.3153 0.3364	0.3395 0.3425	0.3302	Ave		0.320 1			0.2000	10.9		20.0			
2-Nitropropane	+++++ 4.2211	6.6145 4.4677	6.5103 5.8512	4.8123 5.3738	4.3572	Ave		5.276 n				18.2		20.0			
1-Bromo-2-chloroethane	+++++ 0.2536	0.2147 0.2528	0.2483 0.2601	0.2527 0.2581	0.2565	Ave		0.249 6				5.8		20.0			
cis-1,3-Dichloropropene	+++++ 0.4146	0.3991 0.4164	0.3943 0.4240	0.3977 0.4311	0.4076	Ave		0.410 6			0.2000	3.2		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 19.135	+++++ 20.156	18.855 27.199	20.104 24.334	20.004	Ave		21.39 8			0.1000	14.7		20.0			
Toluene	0.9490 1.0642	1.1294 1.0536	1.0876 1.0631	1.0949 1.0749	1.0339	Ave		1.061 2			0.4000	4.7		20.0			
trans-1,3-Dichloropropene	+++++ 0.4306	0.3022 0.4429	0.3784 0.4544	0.4204 0.4678	0.4181	Ave		0.414 4			0.1000	12.7		20.0			
Ethyl methacrylate	+++++ 0.3267	0.1648 0.3278	0.2715 0.3249	0.3001 0.3393	0.2916	Ave		0.293 3				19.3		20.0			
1,1,2-Trichloroethane	+++++ 0.2309	0.2250 0.2244	0.2182 0.2242	0.2392 0.2306	0.2288	Ave		0.227 7			0.1000	2.7		20.0			
Tetrachloroethene	0.5077 0.4772	0.5550 0.4840	0.4666 0.4898	0.4811 0.4970	0.4620	Ave		0.491 2			0.2000	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 Job No.: 410-224440-1 Analy Batch No.: 623992
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 15:52 Calibration End Date: 03/31/2025 18:38 Calibration ID: 71644

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 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,3-Dichloropropane	++++ 0.4291	0.3813 0.4168	0.3750 0.4174	0.4231 0.4230	0.4150	Ave		0.410 1				4.9		20.0			
2-Hexanone	++++ 12.264	++++ 13.348	8.0967 18.121	10.800 16.345	12.338	Lin1	-27.0 6	16.46 2			0.1000				0.9910		0.9900
Dibromochloromethane	0.1768 0.3004	0.2912 0.3017	0.2647 0.3018	0.2991 0.3128	0.2883	Ave		0.281 9				14.8		20.0			
1,2-Dibromoethane (EDB)	++++ 0.2171	0.1603 0.2169	0.1988 0.2136	0.2141 0.2201	0.2092	Ave		0.206 3			0.1000	9.6		20.0			
1-Chlorohexane	++++ 0.5979	0.9603 0.6112	0.6545 0.6220	0.6044 0.6290	0.5575	Ave		0.654 6				19.3		20.0			
Chlorobenzene	1.0255 1.1326	1.2125 1.1210	1.1393 1.1353	1.1776 1.1483	1.1030	Ave		1.132 8			0.5000	4.5		20.0			
1,1,1,2-Tetrachloroethane	0.2953 0.3919	0.3357 0.3816	0.3909 0.3854	0.3924 0.4015	0.3837	Ave		0.373 2				9.3		20.0			
Ethylbenzene	1.8275 2.0747	2.2015 2.0752	2.0205 2.1310	2.1321 2.1693	2.0398	Ave		2.074 6			0.1000	5.3		20.0			
m&p-Xylene	0.6632 0.7977	0.7569 0.7909	0.7612 0.8097	0.8148 0.8271	0.7744	Ave		0.777 3			0.1000	6.3		20.0			
o-Xylene	0.6241 0.7659	0.6694 0.7635	0.7435 0.7780	0.8024 0.7905	0.7479	Ave		0.742 8			0.3000	7.9		20.0			
Styrene	0.7945 1.1992	1.0479 1.2179	1.1118 1.2516	1.1914 1.2747	1.1636	Ave		1.139 2			0.3000	12.9		20.0			
Bromoform	++++ 0.1677	0.1055 0.1669	0.1377 0.1659	0.1678 0.1769	0.1594	Ave		0.156 0			0.1000	15.0		20.0			
Isopropylbenzene	1.6332 1.7913	1.8358 1.8002	1.7540 1.8582	1.8565 1.8749	1.7365	Ave		1.793 4			0.1000	4.3		20.0			
1,1,2,2-Tetrachloroethane	++++ 0.5200	++++ 0.5058	++++ 0.4716	0.5345 0.5006	0.5242	Ave		0.491 9			0.3000	10.3		20.0			
Bromobenzene	0.7338 0.8463	0.7726 0.8168	0.8076 0.8145	0.8638 0.8265	0.8162	Ave		0.810 9				4.7		20.0			
trans-1,4-Dichloro-2-butene	++++ 7.2434	++++ 7.8330	++++ 11.028	7.7169 9.9066	7.2008	Ave		8.488 1				18.8		20.0			
1,2,3-Trichloropropane	++++ 0.1306	0.0866 0.1257	0.1173 0.1140	0.1326 0.1229	0.1281	Ave		0.119 7				12.4		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 623992
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 15:52 Calibration End Date: 03/31/2025 18:38 Calibration ID: 71644

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 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
N-Propylbenzene	3.7697 4.4867	4.3674 4.4954	4.2050 4.5770	4.3599 4.6236	4.1473	Ave		4.336 9				6.1		20.0			
2-Chlorotoluene	0.6383 0.8976	0.9283 0.8896	0.8688 0.8830	0.8933 0.9067	0.8717	Ave		0.864 1				10.0		20.0			
1,3,5-Trimethylbenzene	2.3479 3.1237	3.1158 3.1299	2.9530 3.1981	3.2275 3.2654	3.0077	Ave		3.041 0				9.1		20.0			
4-Chlorotoluene	++++ 0.8860	0.8337 0.9073	0.8715 0.9048	0.8711 0.9197	0.8865	Ave		0.885 1				3.1		20.0			
tert-Butylbenzene	0.4856 0.7210	0.6716 0.7242	0.6919 0.7304	0.7047 0.7415	0.6814	Ave		0.683 6				11.4		20.0			
Pentachloroethane	0.4298 0.5113	0.4625 0.5190	0.4559 0.5419	0.4842 0.5550	0.5167	Ave		0.497 4				8.4		20.0			
1,2,4-Trimethylbenzene	2.6741 3.2162	3.1420 3.1591	3.0266 3.2465	3.1954 3.3300	3.0348	Ave		3.113 8				6.1		20.0			
sec-Butylbenzene	3.2868 3.8568	3.7086 3.9619	3.5749 4.0521	3.8150 4.1069	3.5965	Ave		3.773 3				6.9		20.0			
1,3-Dichlorobenzene	1.3599 1.6316	1.5948 1.6516	1.5386 1.6596	1.6411 1.7211	1.5652	Ave		1.595 9			0.6000	6.5		20.0			
p-Isopropyltoluene	2.5860 3.3184	2.8647 3.4286	3.0716 3.5234	3.2643 3.6194	3.1242	Ave		3.200 1				10.3		20.0			
1,4-Dichlorobenzene	1.8448 1.6390	1.8334 1.6303	1.5969 1.6450	1.7537 1.6941	1.6368	Ave		1.697 1			0.5000	5.4		20.0			
1,2,3-Trimethylbenzene	1.5630 1.4137	1.3588 1.3923	1.3983 1.4062	1.4374 1.4412	1.3312	Ave		1.415 8				4.6		20.0			
Benzyl chloride	++++ 0.2072	++++ 0.2085	0.1716 0.1970	0.1782 0.2131	0.1934	Ave		0.195 6				8.1		20.0			
n-Butylbenzene	1.2173 1.5052	1.3303 1.6028	1.1410 1.6777	1.3863 1.7542	1.3668	Ave		1.442 4				14.4		20.0			
1,2-Dichlorobenzene	1.0122 1.4483	1.3641 1.4074	1.3781 1.4138	1.5106 1.4696	1.4068	Ave		1.379 0			0.4000	10.5		20.0			
1,2-Dibromo-3-Chloropropane	++++ 0.0634	++++ 0.0632	0.0292 0.0558	0.0512 0.0646	0.0613	Lin2	-0.00 7	0.064 0			0.0500				0.9950		0.9900
1,3,5-Trichlorobenzene	0.9113 1.2053	1.0581 1.2334	1.0646 1.2775	1.1311 1.3349	1.1471	Ave		1.151 5				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
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 623992
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 15:52 Calibration End Date: 03/31/2025 18:38 Calibration ID: 71644

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 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,2,4-Trichlorobenzene	0.4977 0.9306	0.7307 0.9721	0.8258 1.0012	0.8929 1.0480	0.8645	Ave		0.862 6			0.2000	19.4		20.0			
Hexachlorobutadiene	++++ 0.4062	0.4087 0.4337	0.3489 0.4578	0.3985 0.4965	0.3589	Ave		0.413 6				11.8		20.0			
Naphthalene	++++ 1.4826	1.2629 1.4841	1.1912 1.4203	1.3194 1.5109	1.3895	Ave		1.382 6				8.3		20.0			
1,2,3-Trichlorobenzene	0.6847 0.8051	0.6638 0.8036	0.6452 0.8170	0.7490 0.8465	0.7454	Ave		0.751 1				9.7		20.0			
Dibromofluoromethane (Surr)	0.2159 0.2164	0.2174 0.2182	0.2153 0.2151	0.2195 0.2160	0.2209	Ave		0.217 2				0.9		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0387 0.0389	0.0389 0.0391	0.0378 0.0380	0.0386 0.0378	0.0383	Ave		0.038 5				1.3		20.0			
Toluene-d8 (Surr)	1.3428 1.3572	1.3485 1.3570	1.3409 1.3652	1.3468 1.3562	1.3619	Ave		1.353 0				0.6		20.0			
4-Bromofluorobenzene (Surr)	0.4953 0.4965	0.4965 0.4951	0.4890 0.4929	0.4991 0.4983	0.4943	Ave		0.495 2				0.6		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 623992
Environment Testing, LLC

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 15:52 Calibration End Date: 03/31/2025 18:38 Calibration ID: 71644

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-623992/13	HM31X12.D
Level 2	IC 410-623992/14	HM31X13.D
Level 3	IC 410-623992/15	HM31X14.D
Level 4	IC 410-623992/16	HM31X15.D
Level 5	IC 410-623992/17	HM31X16.D
Level 6	IC 410-623992/18	HM31X17.D
Level 7	IC 410-623992/19	HM31X18.D
Level 8	ICIS 410-623992/20	HM31X19.D
Level 9	IC 410-623992/21	HM31X20.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Dichlorodifluoromethane	FB	Ave	728 136393	3992 358196	15352 684822	36910 1816726	72799	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Chloromethane	FB	Ave	2476 167072	6677 437415	20496 825996	43310 2161862	90109	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
1,3-Butadiene	FB	Ave	++++ 164104	5384 422391	17886 838276	45061 2160964	85474	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Vinyl chloride	FB	Ave	1458 166041	5216 412199	17554 803735	42493 2159447	82274	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Bromomethane	FB	Ave	++++ 110452	3708 270574	11280 539560	29377 1425463	56620	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Chloroethane	FB	Ave	612 98650	2874 242113	9902 480520	24185 1243904	48775	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Dichlorofluoromethane	FB	Ave	3105 252470	8575 629396	26365 1258835	65964 3282329	126158	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Trichlorofluoromethane	FB	Ave	++++ 192097	5696 495457	20359 965453	50165 2568839	98214	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Ethyl ether	FB	Ave	++++ 72449	1456 179311	6464 356906	17447 919504	36308	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.000
Freon 123a	FB	Ave	953 150349	4828 372262	15743 735418	38612 1970457	73739	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Acrolein	TBA d10	Ave	++++ 443372	10927 1073332	36066 1748458	111531 4249542	217891	++++ 97.6	2.93 244	9.76 488	24.4 1220	48.8
1,1-Dichloroethene	FB	Ave	665 96491	3110 239637	9738 474094	25221 1242808	45970	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Freon 113	FB	Ave	++++ 107791	2625 269240	10483 535287	27678 1401381	48672	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

Analy Batch No.: 623992

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 15:52 Calibration End Date: 03/31/2025 18:38 Calibration ID: 71644

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Acetone	TBA01	Ave	++++ 91302	4045 198038	7309 301424	23710 915437	47006	++++ 20.0	0.600 50.0	2.00 100	5.00 250	10.0
Methyl iodide	FB	Ave	1243 187338	5375 470589	18810 936883	49252 2390067	92574	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Ethyl bromide	FB	Ave	++++ 87871	2428 221176	8936 453735	21688 1140749	43524	++++ 2.00	0.0601 5.01	0.200 10.0	0.501 25.0	1.00
Carbon disulfide	FB	Ave	3539 285486	9628 728169	29505 1442928	74928 3773894	137547	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Methyl acetate	TBA01	Lin	++++ 17895	++++ 58768	++++ 110992	2639 318970	10553	++++ 2.00	++++ 5.00	++++ 10.0	0.500 25.0	1.00
Allyl chloride	FB	Ave	2049 185757	6637 462200	20336 934273	50301 2405398	92791	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Methylene Chloride	FB	Ave	621 102190	3099 258365	10577 506569	27565 1283561	49931	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
t-Butyl alcohol	TBA01	Ave	++++ 48312	++++ 126686	3760 179047	15367 500668	27896	++++ 40.0	++++ 100	4.00 200	10.0 500	20.0
Acrylonitrile	TBA01	Lin	++++ 28840	++++ 73458	++++ 135115	1182 425436	12400	++++ 5.00	++++ 12.5	++++ 25.0	1.25 62.5	2.50
Methyl tert-butyl ether	FB	Ave	++++ 219886	6793 532777	21433 1039257	57929 2750917	111127	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
trans-1,2-Dichloroethene	FB	Ave	722 109427	3300 272734	10470 552036	28213 1431144	53002	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
n-Hexane	FB	Ave	++++ 164844	4415 419580	15265 832592	40876 2179243	70794	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
1,1-Dichloroethane	FB	Ave	1566 213861	6859 543197	21337 1082044	55440 2774130	103058	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
di-Isopropyl ether	FB	Ave	2689 373726	11058 936172	36695 1869370	96920 4873821	184660	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
2-Chloro-1,3-butadiene	FB	Ave	++++ 183306	5481 474718	18123 951627	46842 2506048	84992	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Ethyl t-butyl ether	FB	Ave	2713 325196	10017 800084	33301 1582202	87709 4113367	160821	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
2-Butanone (MEK)	TBA01	Ave	++++ 159105	++++ 413320	++++ 747791	32069 2189644	77831	++++ 20.0	++++ 50.0	++++ 100	5.00 250	10.0
cis-1,2-Dichloroethene	FB	Ave	++++ 124277	4082 308170	11760 624945	32713 1604222	61691	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

Analy Batch No.: 623992

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 15:52 Calibration End Date: 03/31/2025 18:38 Calibration ID: 71644

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2,2-Dichloropropane	FB	Ave	1196 182207	5265 460293	18433 906807	47516 2378090	86126	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Propionitrile	TBAd1 0	Ave	++++ 77073	++++ 209596	++++ 320549	17124 1068421	36402	++++ 40.0	++++ 100	++++ 200	10.0 500	20.0
Methacrylonitrile	TBAd1 0	Lin	++++ 188597	++++ 510141	++++ 939001	48226 2639198	89360	++++ 20.0	++++ 50.0	++++ 100	5.00 250	10.0
Bromochloromethane	FB	Ave	++++ 46551	710 116433	4306 225958	12240 583204	23464	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Tetrahydrofuran	TBAd1 0	Lin1	++++ 23668	++++ 65206	1348 113415	5397 326622	12170	++++ 10.0	++++ 25.0	1.00 50.0	2.50 125	5.00
Chloroform	FB	Ave	1361 202361	6276 505612	19697 1004861	53382 2626503	98398	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
1,1,1-Trichloroethane	FB	Ave	1152 180500	6110 458327	18354 914274	47209 2392335	85774	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Cyclohexane	FB	Ave	1167 217619	6478 545908	21980 1082353	56222 2838389	98404	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
1,1-Dichloropropene	FB	Ave	1325 170477	5469 441004	17042 872697	43771 2327796	80823	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Carbon tetrachloride	FB	Ave	++++ 160856	4271 409159	15522 820643	39525 2193314	74493	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Isobutyl alcohol	TBAd1 0	Ave	++++ 45165	++++ 114092	3103 159298	9339 494957	22216	++++ 100	++++ 250	10.0 500	25.0 1250	50.0
Benzene	FB	Ave	4337 486750	14491 1225660	49092 2473254	129223 6433627	240158	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
1,2-Dichloroethane	FB	Ave	++++ 105345	2443 260178	10681 517655	27093 1367284	51635	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
t-Amyl methyl ether	FB	Ave	2104 262765	8560 642861	25548 1260937	67292 3362992	129644	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
n-Heptane	FB	Ave	1423 156250	4529 411161	14976 816417	34859 2181076	60070	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
n-Butanol	TBAd1 0	Lin	++++ 50969	++++ 145645	++++ 179700	6930 593492	20079	++++ 175	++++ 438	++++ 875	43.8 2188	87.5
Trichloroethene	FB	Ave	++++ 123692	3690 317432	12293 641479	31039 1665996	59260	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Methylcyclohexane	FB	Ave	1059 218733	6158 558368	21501 1101781	52911 2928143	94307	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

Analy Batch No.: 623992

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 15:52 Calibration End Date: 03/31/2025 18:38 Calibration ID: 71644

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,2-Dichloropropane	FB	Ave	679 122864	3526 308924	12539 620370	31620 1633980	60147	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Methyl methacrylate	TBAd1 0	Lin	++++ 38693	++++ 101557	++++ 206061	9159 560851	16217	++++ 2.00	++++ 5.00	++++ 10.0	0.500 25.0	1.00
1,4-Dioxane	TBAd1 0	Ave	++++ 7381	++++ 16855	++++ 21492	++++ 63092	2194	++++ 100	++++ 250	++++ 500	++++ 1250	50.0
Dibromomethane	FB	Ave	++++ 46457	942 114777	4381 228407	11565 609917	22986	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Bromodichloromethane	FB	Ave	901 133432	3880 341735	12743 691544	34291 1820151	66360	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
2-Nitropropane	TBAd1 0	Ave	++++ 55740	2753 138803	7184 245985	14974 717809	27313	++++ 10.0	0.300 25.0	1.00 50.0	2.50 125	5.00
1-Bromo-2-chloroethane	FB	Ave	++++ 103306	2532 260837	10034 534769	25518 1371435	51555	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
cis-1,3-Dichloropropene	FB	Ave	++++ 168861	4708 429709	15935 871613	40167 2290634	81920	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
4-Methyl-2-pentanone (MIBK)	TBAd1 0	Ave	++++ 505353	++++ 1252416	41612 2286851	125111 6500745	250793	++++ 20.0	++++ 50.0	2.00 100	5.00 250	10.0
Toluene	CBZd5	Ave	2667 305902	9499 773252	31315 1550629	79203 4060259	147969	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
trans-1,3-Dichloropropene	CBZd5	Ave	++++ 123784	2542 325015	10896 662842	30411 1766910	59835	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Ethyl methacrylate	CBZd5	Ave	++++ 93906	1386 240594	7817 473893	21711 1281420	41731	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
1,1,2-Trichloroethane	CBZd5	Ave	++++ 66363	1892 164707	6284 327008	17301 870847	32744	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Tetrachloroethene	CBZd5	Ave	1427 137177	4668 355210	13434 714372	34802 1877143	66124	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
1,3-Dichloropropane	CBZd5	Ave	++++ 123353	3207 305862	10797 608829	30609 1597825	59396	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
2-Hexanone	TBAd1 0	Lin1	++++ 323909	++++ 829389	17869 1523596	67212 4366466	154685	++++ 20.0	++++ 50.0	2.00 100	5.00 250	10.0
Dibromochloromethane	CBZd5	Ave	497 86335	2449 221442	7621 440242	21635 1181335	41259	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
1,2-Dibromoethane (EDB)	CBZd5	Ave	++++ 62403	1348 159148	5723 311584	15489 831238	29943	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

Analy Batch No.: 623992

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 15:52 Calibration End Date: 03/31/2025 18:38 Calibration ID: 71644

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1-Chlorohexane	CBZd5	Ave	++++ 171870	8077 448562	18845 907212	43721 2375866	79790	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Chlorobenzene	CBZd5	Ave	2882 325561	10198 822690	32803 1655938	85184 4337493	157864	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
1,1,1,2-Tetrachloroethane	CBZd5	Ave	830 112635	2823 280042	11254 562207	28384 1516707	54915	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Ethylbenzene	CBZd5	Ave	5136 596351	18516 1522973	58178 3108222	154225 8193836	291925	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
m&p-Xylene	CBZd5	Ave	3728 458577	12732 1160849	43832 2362025	117872 6248331	221657	0.0400 4.00	0.120 10.0	0.400 20.0	1.00 50.0	2.00
o-Xylene	CBZd5	Ave	1754 220158	5630 560346	21407 1134829	58043 2985695	107032	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Styrene	CBZd5	Ave	2233 344681	8813 893775	32013 1825564	86179 4814851	166528	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Bromoform	CBZd5	Ave	++++ 48203	887 122492	3964 241935	12140 668052	22818	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Isopropylbenzene	CBZd5	Ave	4590 514898	15440 1321148	50504 2710322	134290 7082025	248518	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
1,1,2,2-Tetrachloroethane	DCBd4	Ave	++++ 78902	++++ 197822	++++ 373408	20554 1038664	40032	++++ 2.00	++++ 5.00	++++ 10.0	0.500 25.0	1.00
Bromobenzene	DCBd4	Ave	1091 128408	3480 319438	12357 644886	33220 1714753	62336	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
trans-1,4-Dichloro-2-butene	TBA d1 0	Ave	++++ 191300	++++ 486711	++++ 927237	48024 2646536	90277	++++ 20.0	++++ 50.0	++++ 100	5.00 250	10.0
1,2,3-Trichloropropane	DCBd4	Ave	++++ 19822	390 49170	1794 90244	5101 255060	9786	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
N-Propylbenzene	DCBd4	Ave	5605 680732	19671 1758073	64338 3623808	167663 9592666	316726	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
2-Chlorotoluene	DCBd4	Ave	949 136193	4181 347917	13293 699144	34351 1881131	66573	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
1,3,5-Trimethylbenzene	DCBd4	Ave	3491 473939	14034 1224047	45181 2532050	124116 6774756	229697	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
4-Chlorotoluene	DCBd4	Ave	++++ 134434	3755 354816	13334 716408	33499 1908151	67700	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
tert-Butylbenzene	DCBd4	Ave	722 109393	3025 283217	10587 578253	27099 1538331	52042	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Pentachloroethane	DCBd4	Ave	639 77575	2083 202988	6976 429014	18622 1151466	39464	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
1,2,4-Trimethylbenzene	DCBd4	Ave	3976	14152	46308	122882	231770	0.0200	0.0600	0.200	0.500	1.00

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 623992
Environment Testing, LLC

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 15:52 Calibration End Date: 03/31/2025 18:38 Calibration ID: 71644

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			487969	1235453	2570379	6908702		2.00	5.00	10.0	25.0	
sec-Butylbenzene	DCBd4	Ave	4887 585161	16704 1549419	54697 3208232	146710 8520663	274663	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
1,3-Dichlorobenzene	DCBd4	Ave	2022 247555	7183 645894	23541 1313952	63109 3570672	119536	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
p-Isopropyltoluene	DCBd4	Ave	3845 503484	12903 1340867	46996 2789673	125533 7509078	238594	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
1,4-Dichlorobenzene	DCBd4	Ave	2743 248676	8258 637565	24433 1302458	67441 3514732	125003	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
1,2,3-Trimethylbenzene	DCBd4	Ave	2324 214497	6120 544501	21394 1113366	55278 2990137	101660	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Benzyl chloride	DCBd4	Ave	++++ 31430	++++ 81539	2626 155958	6851 442180	14772	++++ 2.00	++++ 5.00	0.200 10.0	0.500 25.0	1.00
n-Butylbenzene	DCBd4	Ave	1810 228370	5992 626827	17458 1328334	53310 3639340	104384	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
1,2-Dichlorobenzene	DCBd4	Ave	1505 219740	6144 550420	21085 1119367	58090 3049079	107438	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
1,2-Dibromo-3-Chloropropane	DCBd4	Lin2	++++ 9614	++++ 24721	447 44187	1969 134066	4678	++++ 2.00	++++ 5.00	0.200 10.0	0.500 25.0	1.00
1,3,5-Trichlorobenzene	DCBd4	Ave	1355 182874	4766 482372	16288 1011421	43496 2769597	87602	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
1,2,4-Trichlorobenzene	DCBd4	Ave	740 141195	3291 380176	12635 792689	34338 2174379	66023	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Hexachlorobutadiene	DCBd4	Ave	++++ 61624	1841 169599	5339 362428	15325 1030024	27410	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Naphthalene	DCBd4	Ave	++++ 224942	5688 580390	18225 1124483	50738 3134737	106113	++++ 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
1,2,3-Trichlorobenzene	DCBd4	Ave	1018 122159	2990 314285	9871 646826	28805 1756332	56924	0.0200 2.00	0.0600 5.00	0.200 10.0	0.500 25.0	1.00
Dibromofluoromethane (Surr)	FB	Ave	424105 440700	427379 450365	435083 442094	443393 459135	443941	10.0 10.0	10.0 10.0	10.0 10.0	10.0 10.0	10.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	76012 79229	76413 80687	76292 78187	77906 80434	77051	10.0 10.0	10.0 10.0	10.0 10.0	10.0 10.0	10.0
Toluene-d8 (Surr)	CBZd5	Ave	1886966 1950607	1890264 1991811	1930506 1991289	1948431 2049064	1949110	10.0 10.0	10.0 10.0	10.0 10.0	10.0 10.0	10.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	695978 713534	695917 726673	704022 718905	722114 752933	707488	10.0 10.0	10.0 10.0	10.0 10.0	10.0 10.0	10.0

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

Analy Batch No.: 623992

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 15:52 Calibration End Date: 03/31/2025 18:38 Calibration ID: 71644

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc ² ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 623992
Environment Testing, LLC

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 15:52 Calibration End Date: 03/31/2025 18:38 Calibration ID: 71644

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-623992/13	HM31X12.D
Level 2	IC 410-623992/14	HM31X13.D
Level 3	IC 410-623992/15	HM31X14.D
Level 4	IC 410-623992/16	HM31X15.D
Level 5	IC 410-623992/17	HM31X16.D
Level 6	IC 410-623992/18	HM31X17.D
Level 7	IC 410-623992/19	HM31X18.D
Level 8	ICIS 410-623992/20	HM31X19.D
Level 9	IC 410-623992/21	HM31X20.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #	LVL 9 #				LVL 7	LVL 8	LVL 9			
Dichlorodifluoromethane	-44.2	1.9	14.4	10.1	9.1	0.8	50	30	30	30	30	30
	4.5	0.3	3.0				30	30	30			
Chloromethane	34.3	20.6	8.1	-8.6	-4.4	-12.6	50	30	30	30	30	30
	-9.7	-14.4	-13.3				30	30	30			
1,3-Butadiene	+++++	7.5	4.2	5.1	0.2	-5.1		50	30	30	30	30
	-3.6	-4.0	-4.2				30	30	30			
Vinyl chloride	-9.3	8.1	6.2	2.8	0.1	-0.4	50	30	30	30	30	30
	-2.4	-4.4	-0.7				30	30	30			
Bromomethane	+++++	12.8	0.1	4.3	1.1	-2.7		50	30	30	30	30
	-5.9	-5.8	-3.8				30	30	30			
Chloroethane	-32.3	5.9	6.5	4.1	5.5	5.2	50	30	30	30	30	30
	2.0	1.6	1.7				30	30	30			
Dichlorofluoromethane	20.3	10.7	-0.7	-0.5	-4.4	-5.6	50	30	30	30	30	30
	-7.1	-6.8	-5.9				30	30	30			
Trichlorofluoromethane	+++++	-0.4	3.9	2.5	0.8	-2.7		50	30	30	30	30
	-0.9	-3.1	-0.2				30	30	30			
Ethyl ether	+++++	-26.0	-4.2	3.5	8.3	6.6		50	30	30	30	30
	4.1	4.0	3.7				30	30	30			
Freon 123a	-32.8	13.4	7.9	5.9	1.6	2.2	50	30	30	30	30	30
	-0.1	-0.9	2.7				30	30	30			
Acrolein	+++++	-22.5	-3.5	5.8	2.6	-0.9		50	30	30	30	30
	2.0	22.7	-6.1				30	30	30			
1,1-Dichloroethene	-27.0	13.8	4.0	7.7	-1.3	2.2	50	30	30	30	30	30
	0.2	-0.5	0.9				30	30	30			
Freon 113	+++++	-13.1	1.3	7.1	-5.4	3.4		50	30	30	30	30
	1.9	1.7	3.0				30	30	30			
Acetone	+++++	32.3	-9.8	3.7	2.1	-5.9		50	30	30	30	30
	-13.2	-2.4	-6.7				30	30	30			

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 623992
Environment Testing, LLC

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 15:52 Calibration End Date: 03/31/2025 18:38 Calibration ID: 71644

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
Methyl iodide	-28.9 2.4	2.3 2.4	4.5 1.0	9.5	3.5	3.3	50 30	30 30	30 30	30	30	30
Ethyl bromide	++++ -0.5	-4.5 2.4	2.6 -0.4	-0.3	0.5	0.1	30 30	50 30	30 30	30	30	30
Carbon disulfide	21.1 -5.1	9.8 -5.6	-1.8 -4.5	-0.2	-8.0	-5.7	50 30	30 30	30 30	30	30	30
Methyl acetate	++++ -14.0	++++ 11.8	++++ -1.2	25.9	14.1	-22.1	30 30	30 30	30 30	50	30	30
Allyl chloride	7.7 -7.5	16.2 -6.1	3.9 -6.5	2.8	-4.7	-5.8	50 30	30 30	30 30	30	30	30
Methylene Chloride	-35.1 2.7	7.8 1.1	7.4 -0.9	12.0	2.0	3.0	50 30	30 30	30 30	30	30	30
t-Butyl alcohol	++++ 0.0	++++ 4.5	-16.4 -8.1	21.1	9.2	-10.3	30 30	30 30	50 30	30	30	30
Acrylonitrile	++++ -15.3	++++ 4.5	++++ -0.1	35.3	22.3	-2.3	30 30	30 30	30 30	50	30	30
Methyl tert-butyl ether	++++ -4.2	6.8 -6.2	-1.6 -4.0	6.4	2.6	0.1	30 30	50 30	30 30	30	30	30
trans-1,2-Dichloroethene	-29.2 1.8	7.8 3.4	-0.2 3.7	7.6	1.6	3.5	50 30	30 30	30 30	30	30	30
n-Hexane	++++ 3.7	-4.5 3.3	-3.6 4.6	3.3	-10.1	3.3	30 30	50 30	30 30	30	30	30
1,1-Dichloroethane	-23.2 1.5	12.1 1.4	1.8 0.6	5.8	-1.2	1.2	50 30	30 30	30 30	30	30	30
di-Isopropyl ether	-23.6 1.3	4.7 1.5	1.4 2.4	7.2	2.6	2.5	50 30	30 30	30 30	30	30	30
2-Chloro-1,3-butadiene	++++ 1.0	2.0 1.6	-1.6 3.5	1.8	-7.2	-1.2	30 30	50 30	30 30	30	30	30
Ethyl t-butyl ether	-13.1 -2.4	6.9 -3.1	3.7 -2.6	9.3	0.7	0.5	50 30	30 30	30 30	30	30	30
2-Butanone (MEK)	++++ -4.1	++++ 28.2	++++ 18.2	-25.7	-10.5	-13.1	30 30	30 30	30 30	50	30	30
cis-1,2-Dichloroethene	++++ -3.6	11.7 -1.8	-6.0 -2.5	4.6	-0.9	-1.5	30 30	50 30	30 30	30	30	30
2,2-Dichloropropane	-29.5 3.3	3.3 2.1	5.6 3.6	8.9	-0.8	3.5	50 30	30 30	30 30	30	30	30
Propionitrile	++++ 2.4	++++ 15.8	++++ 21.4	-16.4	-11.8	-11.4	30 30	30 30	30 30	50	30	30
Methacrylonitrile	++++ -13.8	++++ 12.9	++++ -1.4	27.1	-4.3	-16.8	30 30	30 30	30 30	50	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 623992
Environment Testing, LLC

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 15:52 Calibration End Date: 03/31/2025 18:38 Calibration ID: 71644

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
Bromochloromethane	++++ 6.0	-43.4 3.3	0.1 3.1	13.9	9.7	7.4	30	50 30	30 30	30	30	30
Tetrahydrofuran	++++ -11.9	++++ 10.8	26.2 -0.3	1.0	-6.0	-19.7	30	50 30	30 30	30	30	30
Chloroform	-28.4 1.3	10.0 1.0	0.7 2.2	9.3	1.2	2.7	50 30	30 30	30 30	30	30	30
1,1,1-Trichloroethane	-33.1 1.4	18.3 1.5	3.7 2.8	6.7	-2.6	1.2	50 30	30 30	30 30	30	30	30
Cyclohexane	-41.4 4.4	8.4 3.9	7.3 5.4	9.9	-3.4	5.4	50 30	30 30	30 30	30	30	30
1,1-Dichloropropene	-19.4 2.1	10.8 1.4	0.8 4.7	3.6	-3.9	0.0	50 30	30 30	30 30	30	30	30
Carbon tetrachloride	++++ 1.9	-6.9 2.6	-1.3 6.1	0.6	-4.7	1.5	30	50 30	30 30	30	30	30
Isobutyl alcohol	++++ 7.4	++++ 10.8	-17.8 8.3	-12.3	3.6	0.0	30	50 30	30 30	30	30	30
Benzene	-8.2 -1.2	2.2 0.1	1.1 0.7	6.4	-0.6	-0.6	50 30	30 30	30 30	30	30	30
1,2-Dichloroethane	++++ 0.0	-17.8 -0.1	4.8 2.1	6.4	1.9	2.6	30	50 30	30 30	30	30	30
t-Amyl methyl ether	-15.7 -2.0	14.2 -3.5	-0.5 -0.4	4.9	1.5	1.5	50 30	30 30	30 30	30	30	30
n-Heptane	-2.7 7.0	3.1 6.7	-0.5 10.3	-7.3	-19.7	3.0	50 30	30 30	30 30	30	30	30
n-Butanol	++++ 8.8	++++ -2.5	++++ 0.1	-10.3	-8.5	-3.8	30	50 30	30 30	50	30	30
Trichloroethene	++++ 0.2	1.9 1.6	-0.9 2.1	0.1	-4.0	-1.1	30	50 30	30 30	30	30	30
Methylcyclohexane	-45.9 8.7	4.8 7.6	6.8 10.7	5.2	-5.8	7.8	50 30	30 30	30 30	30	30	30
1,2-Dichloropropane	-40.3 3.4	3.3 4.3	7.2 6.3	8.2	3.4	4.2	50 30	30 30	30 30	30	30	30
Methyl methacrylate	++++ -18.3	++++ 16.3	++++ -1.8	30.2	-9.2	-16.8	30	50 30	30 30	50	30	30
1,4-Dioxane	++++ 11.4	++++ 5.0	++++ -3.0	++++	-28.1	14.8	30	50 30	30 30		50	30
Dibromomethane	++++ 2.5	-26.4 2.4	-0.1 5.8	5.5	5.4	5.1	30	50 30	30 30	30	30	30
Bromodichloromethane	-28.4 3.5	2.8 5.1	-1.5 7.0	6.1	3.2	2.3	50 30	30 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 Job No.: 410-224440-1 Analy Batch No.: 623992
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 15:52 Calibration End Date: 03/31/2025 18:38 Calibration ID: 71644

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
2-Nitropropane	++++ -15.3	25.4 10.9	23.4 1.9	-8.8	-17.4	-20.0	30	50 30	30 30	30	30	30
1-Bromo-2-chloroethane	++++ 1.3	-14.0 4.2	-0.5 3.4	1.2	2.8	1.6	30	50 30	30 30	30	30	30
cis-1,3-Dichloropropene	++++ 1.4	-2.8 3.3	-4.0 5.0	-3.1	-0.7	1.0	30	50 30	30 30	30	30	30
4-Methyl-2-pentanone (MIBK)	++++ -5.8	++++ 27.1	-11.9 13.7	-6.0	-6.5	-10.6	30	50 30	30 30	30	30	30
Toluene	-10.6 -0.7	6.4 0.2	2.5 1.3	3.2	-2.6	0.3	50 30	30 30	30 30	30	30	30
trans-1,3-Dichloropropene	++++ 6.9	-27.1 9.7	-8.7 12.9	1.5	0.9	3.9	30	50 30	30 30	30	30	30
Ethyl methacrylate	++++ 11.8	-43.8 10.8	-7.4 15.7	2.3	-0.6	11.4	30	50 30	30 30	30	30	30
1,1,2-Trichloroethane	++++ -1.4	-1.2 -1.5	-4.1 1.3	5.1	0.5	1.4	30	50 30	30 30	30	30	30
Tetrachloroethene	3.4 -1.5	13.0 -0.3	-5.0 1.2	-2.0	-5.9	-2.8	50 30	30 30	30 30	30	30	30
1,3-Dichloropropane	++++ 1.6	-7.0 1.8	-8.6 3.1	3.2	1.2	4.6	30	50 30	30 30	30	30	30
2-Hexanone	++++ -15.6	++++ 11.7	31.4 -0.1	-1.5	-8.6	-17.3	30	50 30	30 30	30	30	30
Dibromochloromethane	-37.3 7.1	3.3 7.1	-6.1 11.0	6.1	2.3	6.6	50 30	30 30	30 30	30	30	30
1,2-Dibromoethane (EDB)	++++ 5.1	-22.3 3.6	-3.6 6.7	3.8	1.4	5.3	30	50 30	30 30	30	30	30
1-Chlorohexane	++++ -6.6	46.7 -5.0	0.0 -3.9	-7.7	-14.8	-8.7	30	50 30	30 30	30	30	30
Chlorobenzene	-9.5 -1.0	7.0 0.2	0.6 1.4	4.0	-2.6	0.0	50 30	30 30	30 30	30	30	30
1,1,1,2-Tetrachloroethane	-20.9 2.3	-10.0 3.3	4.7 7.6	5.2	2.8	5.0	50 30	30 30	30 30	30	30	30
Ethylbenzene	-11.9 0.0	6.1 2.7	-2.6 4.6	2.8	-1.7	0.0	50 30	30 30	30 30	30	30	30
m&p-Xylene	-14.7 1.7	-2.6 4.2	-2.1 6.4	4.8	-0.4	2.6	50 30	30 30	30 30	30	30	30
o-Xylene	-16.0 2.8	-9.9 4.7	0.1 6.4	8.0	0.7	3.1	50 30	30 30	30 30	30	30	30
Styrene	-30.3 6.9	-8.0 9.9	-2.4 11.9	4.6	2.1	5.3	50 30	30 30	30 30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

Analy Batch No.: 623992

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 15:52 Calibration End Date: 03/31/2025 18:38 Calibration ID: 71644

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
Bromoform	++++ 7.0	-32.4 6.3	-11.7 13.4	7.6	2.2	7.5	30	50 30	30 30	30	30	30
Isopropylbenzene	-8.9 0.4	2.4 3.6	-2.2 4.5	3.5	-3.2	-0.1	50 30	30 30	30 30	30	30	30
1,1,2,2-Tetrachloroethane	++++ 2.8	++++ -4.1	++++ 1.8	8.6	6.6	5.7	30	30	30	50	30	30
Bromobenzene	-9.5 0.7	-4.7 0.4	-0.4 1.9	6.5	0.7	4.4	50 30	30 30	30 30	30	30	30
trans-1,4-Dichloro-2-butene	++++ -7.7	++++ 29.9	++++ 16.7	-9.1	-15.2	-14.7	30	30	30	50	30	30
1,2,3-Trichloropropane	++++ 5.0	-27.7 -4.8	-2.1 2.7	10.8	7.0	9.1	30	50 30	30 30	30	30	30
N-Propylbenzene	-13.1 3.7	0.7 5.5	-3.0 6.6	0.5	-4.4	3.5	50 30	30 30	30 30	30	30	30
2-Chlorotoluene	-26.1 2.9	7.4 2.2	0.5 4.9	3.4	0.9	3.9	50 30	30 30	30 30	30	30	30
1,3,5-Trimethylbenzene	-22.8 2.9	2.5 5.2	-2.9 7.4	6.1	-1.1	2.7	50 30	30 30	30 30	30	30	30
4-Chlorotoluene	++++ 2.5	-5.8 2.2	-1.5 3.9	-1.6	0.2	0.1	30	50 30	30 30	30	30	30
tert-Butylbenzene	-29.0 5.9	-1.8 6.8	1.2 8.5	3.1	-0.3	5.5	50 30	30 30	30 30	30	30	30
Pentachloroethane	-13.6 4.4	-7.0 8.9	-8.3 11.6	-2.6	3.9	2.8	50 30	30 30	30 30	30	30	30
1,2,4-Trimethylbenzene	-14.1 1.5	0.9 4.3	-2.8 6.9	2.6	-2.5	3.3	50 30	30 30	30 30	30	30	30
sec-Butylbenzene	-12.9 5.0	-1.7 7.4	-5.3 8.8	1.1	-4.7	2.2	50 30	30 30	30 30	30	30	30
1,3-Dichlorobenzene	-14.8 3.5	-0.1 4.0	-3.6 7.8	2.8	-1.9	2.2	50 30	30 30	30 30	30	30	30
p-Isopropyltoluene	-19.2 7.1	-10.5 10.1	-4.0 13.1	2.0	-2.4	3.7	50 30	30 30	30 30	30	30	30
1,4-Dichlorobenzene	8.7 -3.9	8.0 -3.1	-5.9 -0.2	3.3	-3.6	-3.4	50 30	30 30	30 30	30	30	30
1,2,3-Trimethylbenzene	10.4 -1.7	-4.0 -0.7	-1.2 1.8	1.5	-6.0	-0.1	50 30	30 30	30 30	30	30	30
Benzyl chloride	++++ 6.6	++++ 0.7	-12.2 9.0	-8.9	-1.1	5.9	30	30	50 30	30	30	30
n-Butylbenzene	-15.6 11.1	-7.8 16.3	-20.9 21.6	-3.9	-5.2	4.4	50 30	30 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 Job No.: 410-224440-1 Analy Batch No.: 623992
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 15:52 Calibration End Date: 03/31/2025 18:38 Calibration ID: 71644

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #	LVL 9 #				LVL 7	LVL 8	LVL 9			
1,2-Dichlorobenzene	-26.6 2.1	-1.1 2.5	-0.1 6.6	9.5	2.0	5.0	50 30	30 30	30 30	30	30	30
1,2-Dibromo-3-Chloropropane	++++ 0.8	++++ -11.8	-1.9 1.4	1.0	6.2	4.2	 30	 30	50 30	30	30	30
1,3,5-Trichlorobenzene	-20.9 7.1	-8.1 10.9	-7.5 15.9	-1.8	-0.4	4.7	50 30	30 30	30 30	30	30	30
1,2,4-Trichlorobenzene	-42.3 12.7	-15.3 16.1	-4.3 21.5	3.5	0.2	7.9	50 30	30 30	30 30	30	30	30
Hexachlorobutadiene	++++ 4.8	-1.2 10.7	-15.6 20.0	-3.7	-13.2	-1.8	 30	50 30	30 30	30	30	30
Naphthalene	++++ 7.3	-8.7 2.7	-13.8 9.3	-4.6	0.5	7.2	 30	50 30	30 30	30	30	30
1,2,3-Trichlorobenzene	-8.9 7.0	-11.6 8.8	-14.1 12.7	-0.3	-0.8	7.2	50 30	30 30	30 30	30	30	30
Dibromofluoromethane (Surr)	-0.6 0.5	0.1 -1.0	-0.9 -0.5	1.1	1.7	-0.4	50 30	30 30	30 30	30	30	30
1,2-Dichloroethane-d4 (Surr)	0.6 1.7	1.1 -1.1	-1.8 -1.6	0.3	-0.3	1.2	50 30	30 30	30 30	30	30	30
Toluene-d8 (Surr)	-0.7 0.3	-0.3 0.9	-0.9 0.2	-0.5	0.7	0.3	50 30	30 30	30 30	30	30	30
4-Bromofluorobenzene (Surr)	0.0 0.0	0.3 -0.5	-1.3 0.6	0.8	-0.2	0.3	50 30	30 30	30 30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X12.D
 Lims ID: IC std1 0.02
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 31-Mar-2025 15:52:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0142485-013
 Misc. Info.: IC STD1 0.02
 Operator ID: ecr105096 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 12-Apr-2025 07:04:09 Calib Date: 31-Mar-2025 18:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1648

First Level Reviewer: N7YK

Date: 01-Apr-2025 16:01:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.861	1.843	0.018	33	728	0.0200	0.0112	
5 Chloromethane	50	2.032	2.032	0.000	34	2476	0.0200	0.0269	
7 Butadiene	39	2.117	2.129	-0.012	37	3723	0.0200	0.0446	M
6 Vinyl chloride	62	2.129	2.142	-0.013	1	1458	0.0200	0.0181	
9 Bromomethane	94	2.416	2.422	-0.006	1	539	0.0200	0.009843	M
10 Chloroethane	64	2.495	2.501	-0.006	1	612	0.0200	0.0135	
11 Dichlorofluoromethane	67	2.715	2.721	-0.006	3	3105	0.0200	0.0241	M
12 Trichlorofluoromethane	101		2.812				ND	ND	
14 Ethyl ether	59		3.001				ND	ND	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.062	3.080	-0.018	1	953	0.0200	0.0134	
16 Acrolein	56		3.160				ND	ND	
17 1,1-Dichloroethene	96	3.269	3.288	-0.019	1	665	0.0200	0.0146	
19 Acetone	43		3.312				ND	ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.324				ND	ND	
21 Iodomethane	142	3.458	3.471	-0.013	46	1243	0.0200	0.0142	
22 Ethyl bromide	108	3.489	3.495	-0.006	1	343	0.0200	0.008117	
23 Carbon disulfide	76	3.556	3.574	-0.018	94	3539	0.0200	0.0242	M
24 Methyl acetate	43		3.690				ND	ND	
26 3-Chloro-1-propene	41	3.714	3.721	-0.007	1	2049	0.0200	0.0215	
27 Methylene Chloride	84	3.873	3.885	-0.012	33	621	0.0200	0.0130	
* 28 t-Butyl alcohol-d10 (IS)	65	3.909	3.910	-0.001	97	67983	50.0	50.0	
29 2-Methyl-2-propanol	59		4.019				ND	ND	
31 Acrylonitrile	53		4.221				ND	ND	
32 Methyl tert-butyl ether	73	4.275	4.269	0.006	1	1153	0.0200	0.0109	
33 trans-1,2-Dichloroethene	96	4.287	4.281	0.006	1	722	0.0200	0.0142	
34 Hexane	57	4.702	4.696	0.006	1	512	0.0200	0.006650	
36 1,1-Dichloroethane	63	4.903	4.928	-0.025	1	1566	0.0200	0.0154	
37 Isopropyl ether	45	4.989	4.989	0.000	22	2689	0.0200	0.0153	
38 2-Chloro-1,3-butadiene	53	5.050	5.037	0.013	1	853	0.0200	0.009532	M
40 Tert-butyl ethyl ether	59	5.543	5.537	0.006	7	2713	0.0200	0.0174	

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		5.732				ND	ND	
42 cis-1,2-Dichloroethene	96	5.769	5.769	0.000	1	254	0.0200	0.004175	
43 2,2-Dichloropropane	77	5.769	5.787	-0.018	1	1196	0.0200	0.0141	
44 Propionitrile	54		5.836				ND	ND	
47 Methacrylonitrile	67		6.031				ND	ND	
48 Chlorobromomethane	128		6.098				ND	ND	
49 Tetrahydrofuran	71		6.123				ND	ND	
S 46 1,2-Dichloroethene, Total	100				0			0.0183	
50 Chloroform	83	6.263	6.257	0.006	1	1361	0.0200	0.0143	M
\$ 52 Dibromofluoromethane (Surr)	113	6.470	6.476	-0.006	94	424105	10.0	9.94	
53 1,1,1-Trichloroethane	97	6.488	6.494	-0.006	35	1152	0.0200	0.0134	
54 Cyclohexane	56	6.610	6.598	0.012	1	1167	0.0200	0.0117	
55 1,1-Dichloropropene	75	6.720	6.708	0.012	1	1325	0.0200	0.0161	M
56 Carbon tetrachloride	117	6.702	6.714	-0.012	1	469	0.0200	0.006139	M
57 Isobutyl alcohol	41		6.866				ND	ND	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.933	6.933	0.000	47	76012	10.0	10.1	
59 Benzene	78	6.988	6.970	0.018	41	4337	0.0200	0.0184	
60 1,2-Dichloroethane	62	7.049	7.043	0.006	1	452	0.0200	0.009129	
63 Tert-amyl methyl ether	73	7.177	7.177	0.000	1	2104	0.0200	0.0169	
* 64 Fluorobenzene (IS)	96	7.384	7.385	-0.001	99	1964341	10.0	10.0	
65 n-Heptane	43	7.409	7.409	0.000	36	1423	0.0200	0.0195	
67 n-Butanol	56		7.793				ND	ND	
68 Trichloroethene	95	7.878	7.878	0.000	1	139	0.0200	0.002305	
69 Methylcyclohexane	83	8.189	8.195	-0.006	1	1059	0.0200	0.0108	M
70 1,2-Dichloropropane	63	8.232	8.208	0.024	57	679	0.0200	0.0119	
71 2-ethoxy-2-methyl butane	87	8.232	8.232	0.000	84	1419	0.0200	0.0166	
72 Methyl methacrylate	69		8.311				ND	ND	
74 Dibromomethane	93		8.323				ND	ND	
73 1,4-Dioxane	88		8.329				ND	ND	
76 Dichlorobromomethane	83	8.567	8.561	0.006	1	901	0.0200	0.0143	
77 2-Nitropropane	41	8.854	8.835	0.019	14	101	0.1000	0.0141	
79 1-Bromo-2-chloroethane	63		8.963				ND	ND	
80 cis-1,3-Dichloropropene	75	9.165	9.134	0.031	1	487	0.0200	0.006038	
82 4-Methyl-2-pentanone (MIBK)	43	9.341	9.317	0.024	13	3672	0.2000	0.1262	M
\$ 83 Toluene-d8 (Surr)	98	9.457	9.463	-0.006	94	1886966	10.0	9.93	
84 Toluene	92	9.549	9.543	0.006	96	2667	0.0200	0.0179	
85 trans-1,3-Dichloropropene	75		9.817				ND	ND	
104 Ethyl methacrylate	69		9.890				ND	ND	
106 1,1,2-Trichloroethane	97	10.030	10.030	0.000	1	126	0.0200	0.003939	
S 105 1,3-Dichloropropene, Total	100				0			0.006038	
107 Tetrachloroethene	166	10.128	10.116	0.012	87	1427	0.0200	0.0207	M
108 1,3-Dichloropropane	76	10.207	10.195	0.012	1	449	0.0200	0.007791	M
109 2-Hexanone	43		10.250				ND	ND	
111 Chlorodibromomethane	129	10.433	10.414	0.019	1	497	0.0200	0.0125	
112 Ethylene Dibromide	107		10.530				ND	ND	
* 113 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	86	1405222	10.0	10.0	
114 1-Chlorohexane	91	10.975	10.987	-0.012	33	3009	0.0200	0.0327	
115 Chlorobenzene	112	11.006	11.000	0.006	83	2882	0.0200	0.0181	
116 1,1,1,2-Tetrachloroethane	131	11.097	11.091	0.006	1	830	0.0200	0.0158	
117 Ethylbenzene	91	11.103	11.091	0.012	95	5136	0.0200	0.0176	
119 m-Xylene & p-Xylene	106	11.231	11.213	0.018	95	3728	0.0400	0.0341	M
S 118 Xylenes, Total	106				0			0.0509	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 o-Xylene	106	11.560	11.548	0.012	90	1754	0.0200	0.0168	
121 Styrene	104	11.621	11.561	0.060	88	2233	0.0200	0.0139	
122 Bromoform	173		11.719				ND	ND	
123 Isopropylbenzene	105	11.853	11.853	0.000	92	4590	0.0200	0.0182	
\$ 126 4-Bromofluorobenzene (Surr)	95	11.999	11.999	0.000	90	695978	10.0	10.0	
127 1,1,2,2-Tetrachloroethane	83		12.103				ND	ND	
128 Bromobenzene	156	12.121	12.115	0.006	91	1091	0.0200	0.0181	
129 trans-1,4-Dichloro-2-butene	53	12.152	12.128	0.024	1	113	0.2000	0.009791	
130 1,2,3-Trichloropropane	110		12.146				ND	ND	
131 N-Propylbenzene	91	12.207	12.188	0.019	98	5605	0.0200	0.0174	
132 2-Chlorotoluene	126	12.274	12.262	0.012	93	949	0.0200	0.0148	
133 1,3,5-Trimethylbenzene	105	12.329	12.323	0.006	93	3491	0.0200	0.0154	
134 4-Chlorotoluene	126	12.377	12.353	0.024	1	446	0.0200	0.006778	
135 tert-Butylbenzene	134	12.566	12.566	0.000	89	722	0.0200	0.0142	
136 Pentachloroethane	167	12.603	12.597	0.006	1	639	0.0200	0.0173	
137 1,2,4-Trimethylbenzene	105	12.627	12.609	0.018	92	3976	0.0200	0.0172	
138 sec-Butylbenzene	105	12.743	12.731	0.012	92	4887	0.0200	0.0174	
139 1,3-Dichlorobenzene	146	12.847	12.829	0.018	76	2022	0.0200	0.0170	
140 4-Isopropyltoluene	119	12.847	12.841	0.006	91	3845	0.0200	0.0162	
* 141 1,4-Dichlorobenzene-d4	152	12.889	12.890	-0.001	95	743425	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.908	12.908	0.000	48	2743	0.0200	0.0217	
143 1,2,3-Trimethylbenzene	120	12.920	12.914	0.006	90	2324	0.0200	0.0221	
144 Benzyl chloride	126		12.981				ND	ND	
145 p-Diethylbenzene	119	13.133	13.115	0.018	87	2024	0.0200	0.0148	
146 n-Butylbenzene	92	13.164	13.133	0.031	47	1810	0.0200	0.0169	M
147 1,2-Dichlorobenzene	146	13.188	13.164	0.024	5	1505	0.0200	0.0147	
149 1,2-Dibromo-3-Chloropropane	155		13.713				ND	ND	
150 1,3,5-Trichlorobenzene	180	13.865	13.841	0.024	62	1355	0.0200	0.0158	M
151 1,2,4-Trichlorobenzene	180	14.310	14.261	0.049	1	740	0.0200	0.0115	
152 Hexachlorobutadiene	225	14.346	14.347	-0.001	84	1408	0.0200	0.0458	
153 Naphthalene	128	14.487	14.438	0.049	1	845	0.0200	0.008221	
154 1,2,3-Trichlorobenzene	180	14.609	14.584	0.025	1	1018	0.0200	0.0182	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_GAS826_00264

Amount Added: 0.40

Units: uL

MSV_LL_#1_826_00163

Amount Added: 0.40

Units: uL

MSV_LL_#2_826_00174

Amount Added: 0.40

Units: uL

MSV_LLcentISS_00016

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 12-Apr-2025 07:04:09

Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X12.D

Injection Date: 31-Mar-2025 15:52:30

Instrument ID: 19094

Operator ID: ecr105096

Lims ID: IC std1 0.02

Worklist Smp#: 13

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

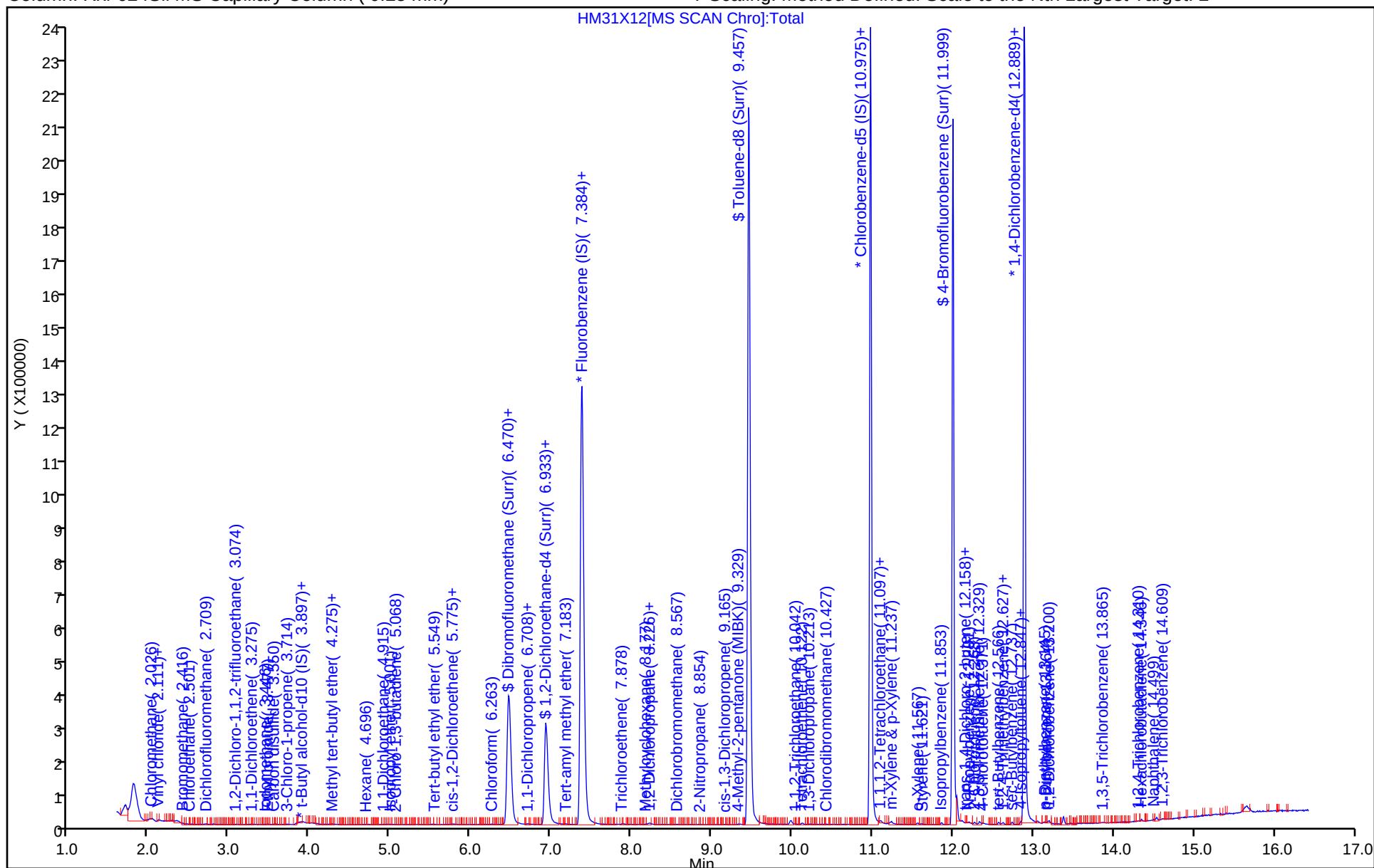
ALS Bottle#: 12

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

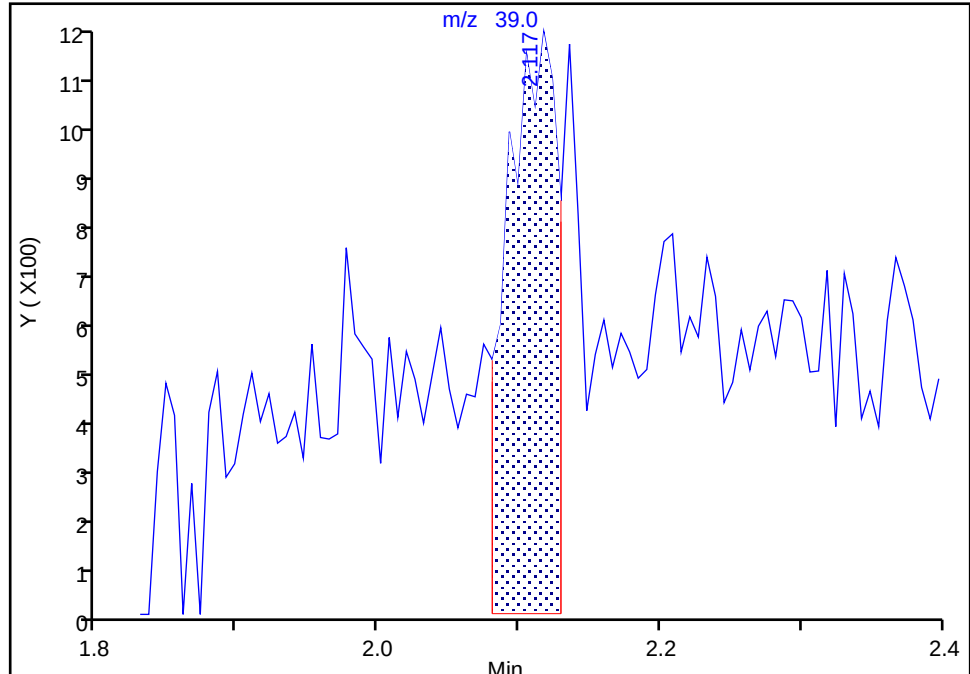
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Injection Date: 31-Mar-2025 15:52:30 Instrument ID: 19094
Lims ID: IC std1 0.02
Client ID:
Operator ID: ecr105096 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

7 Butadiene, CAS: 106-99-0

Signal: 1

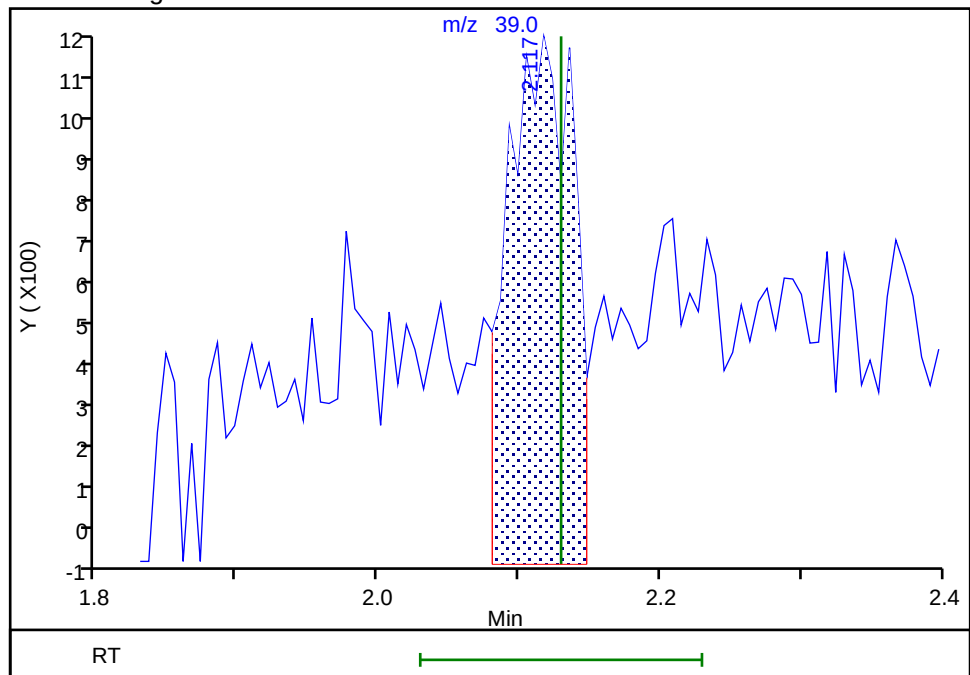
RT: 2.12
Area: 2873
Amount: 0.012919
Amount Units: ug/l

Processing Integration Results



RT: 2.12
Area: 3723
Amount: 0.044632
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 11-Apr-2025 08:10:17 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Other

Eurofins Lancaster Laboratories Environment Testing, LLC

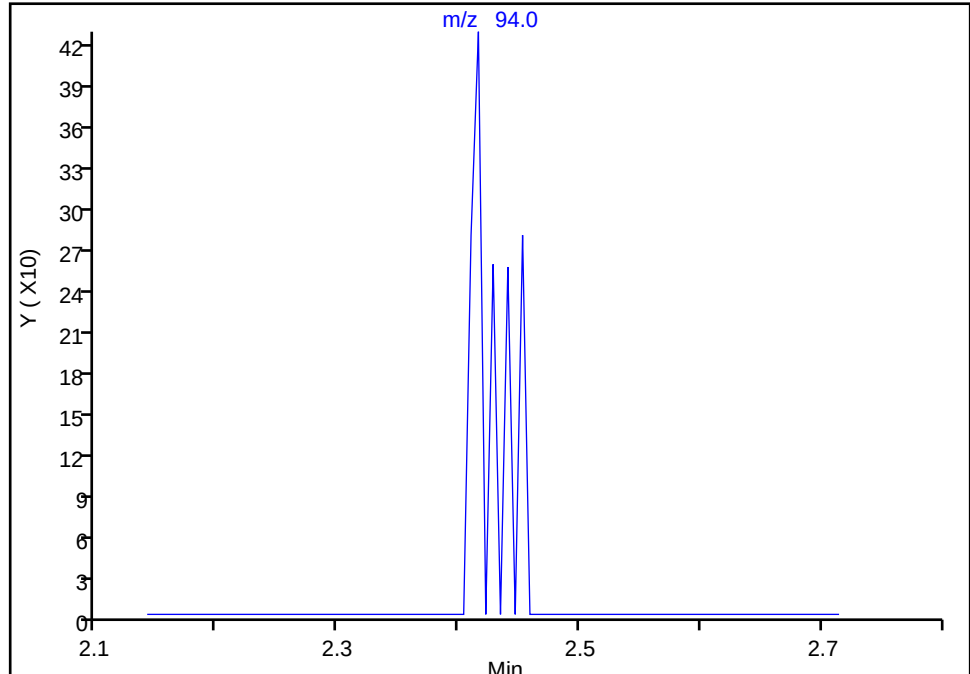
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Injection Date: 31-Mar-2025 15:52:30 Instrument ID: 19094
Lims ID: IC std1 0.02
Client ID:
Operator ID: ecr105096 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

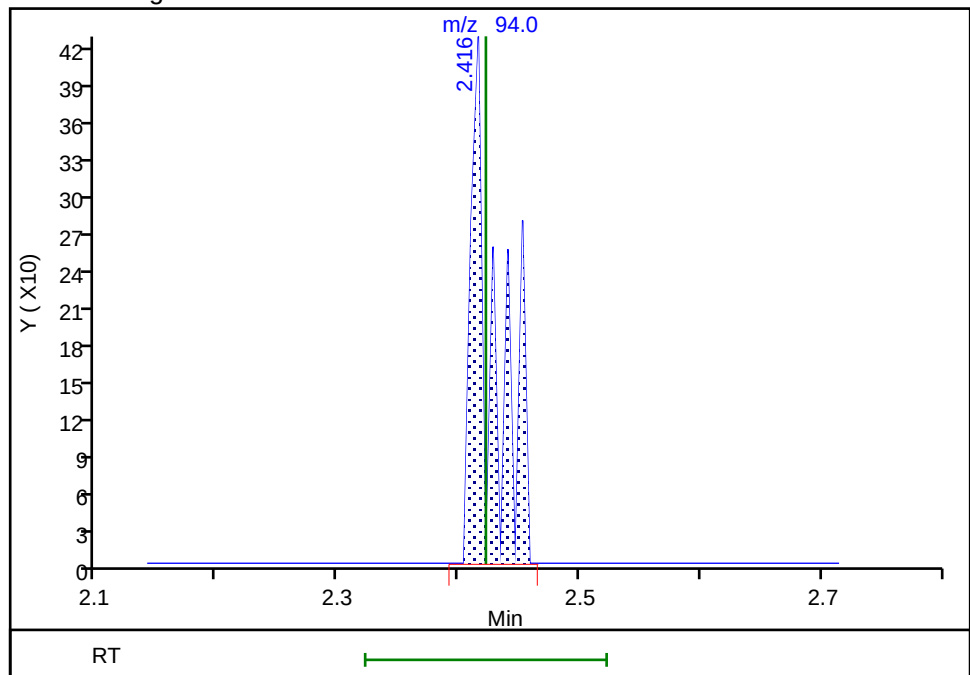
Not Detected
Expected RT: 2.42

Processing Integration Results



RT: 2.42
Area: 539
Amount: 0.009843
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 15:57:30 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

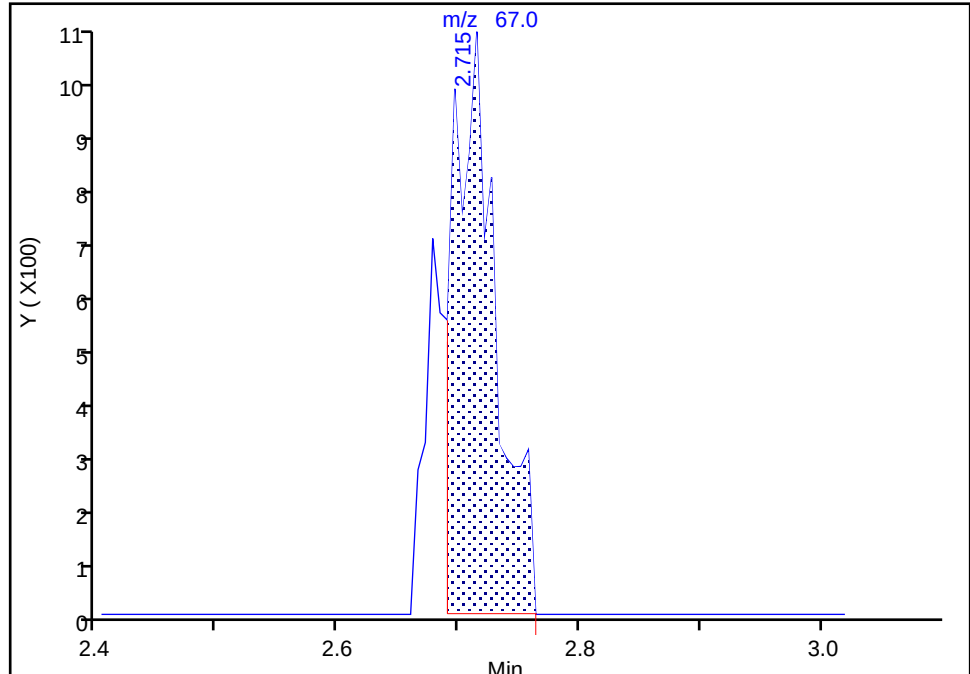
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Injection Date: 31-Mar-2025 15:52:30 Instrument ID: 19094
Lims ID: IC std1 0.02
Client ID:
Operator ID: ecr105096 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

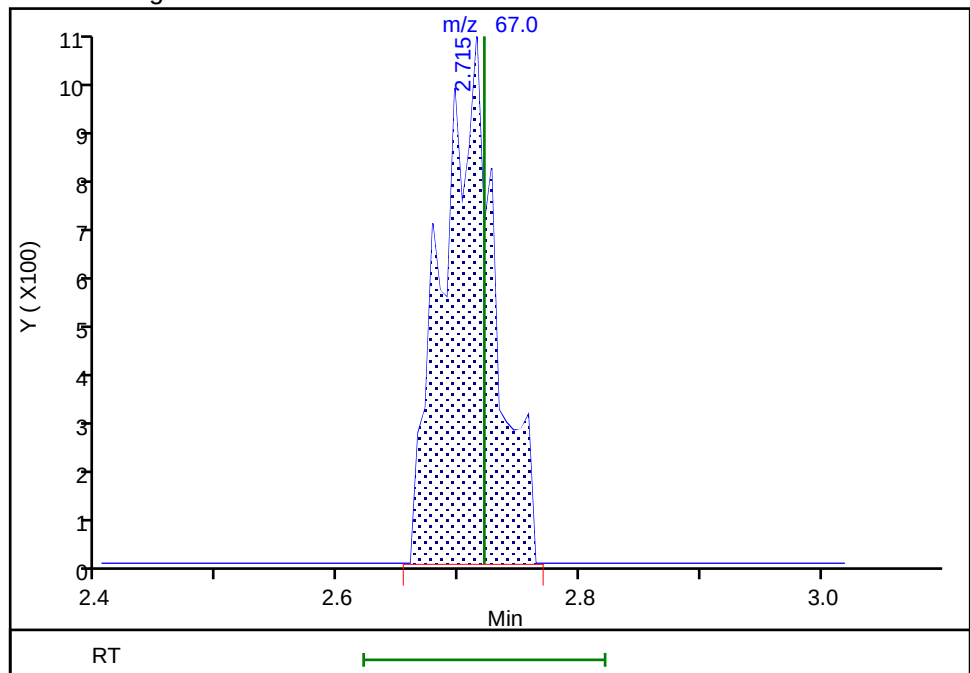
RT: 2.71
Area: 2469
Amount: 0.019678
Amount Units: ug/l

Processing Integration Results



RT: 2.71
Area: 3105
Amount: 0.024070
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 15:57:51 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

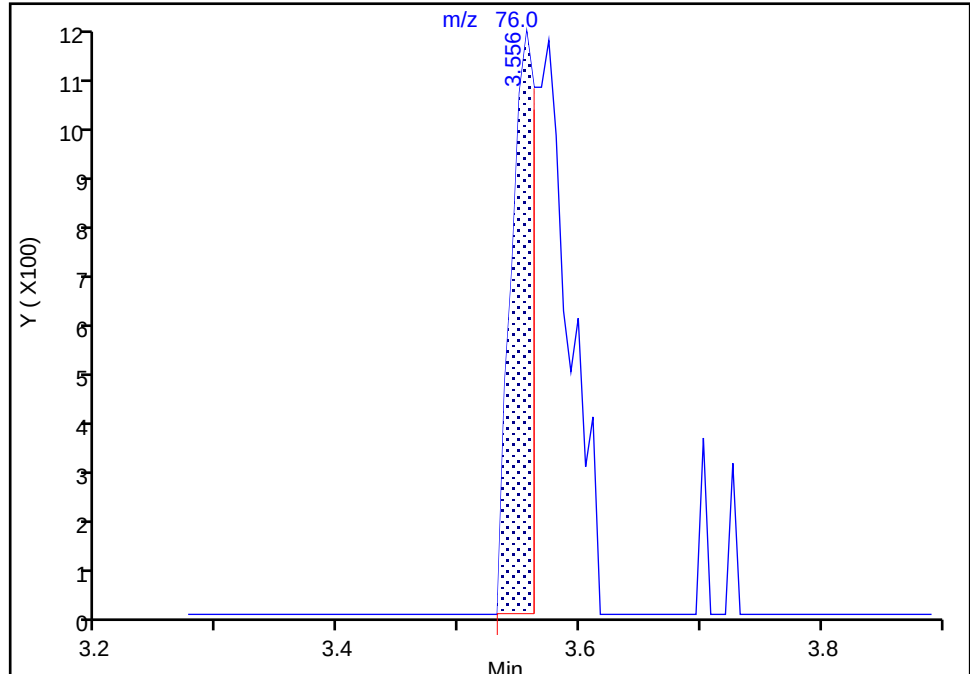
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Injection Date: 31-Mar-2025 15:52:30 Instrument ID: 19094
Lims ID: IC std1 0.02
Client ID:
Operator ID: ecr105096 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Carbon disulfide, CAS: 75-15-0

Signal: 1

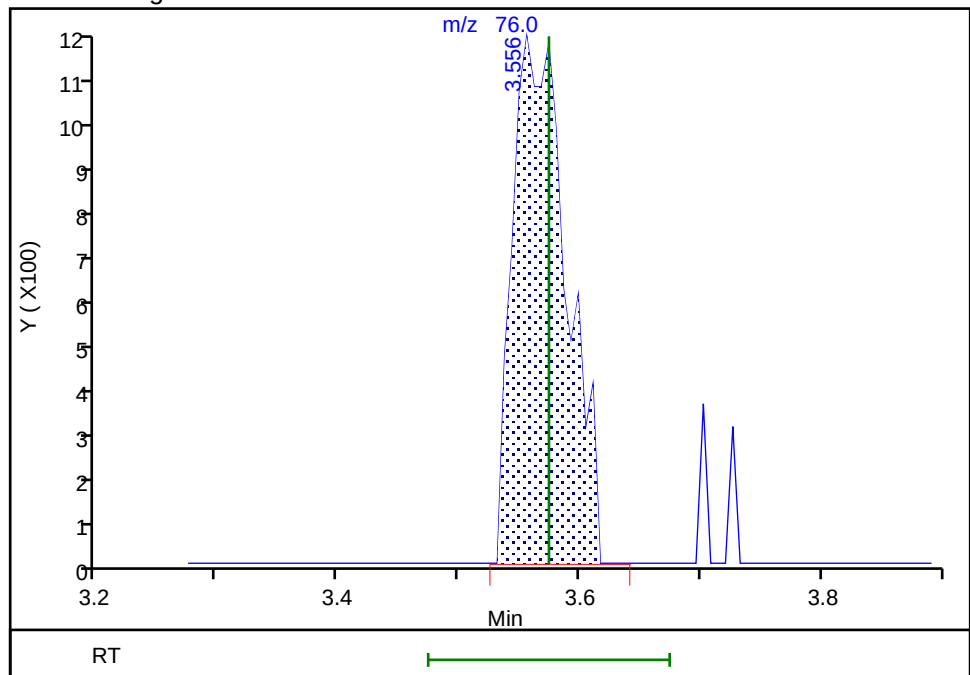
RT: 3.56
Area: 1570
Amount: 0.011619
Amount Units: ug/l

Processing Integration Results



RT: 3.56
Area: 3539
Amount: 0.024229
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 15:58:10 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

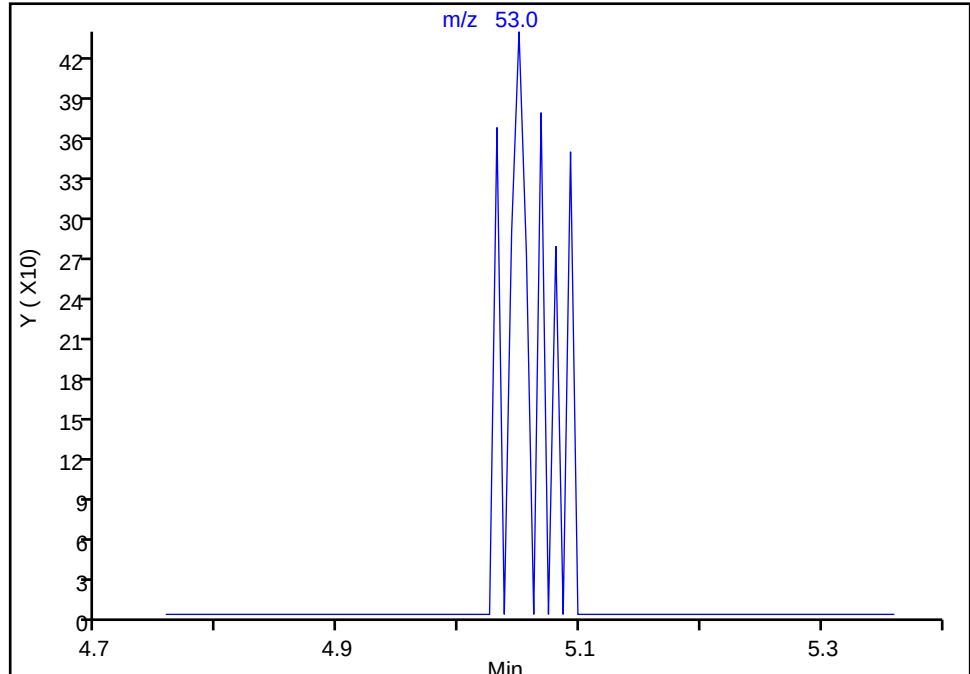
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Injection Date: 31-Mar-2025 15:52:30 Instrument ID: 19094
Lims ID: IC std1 0.02
Client ID:
Operator ID: ecr105096 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

38 2-Chloro-1,3-butadiene, CAS: 126-99-8

Signal: 1

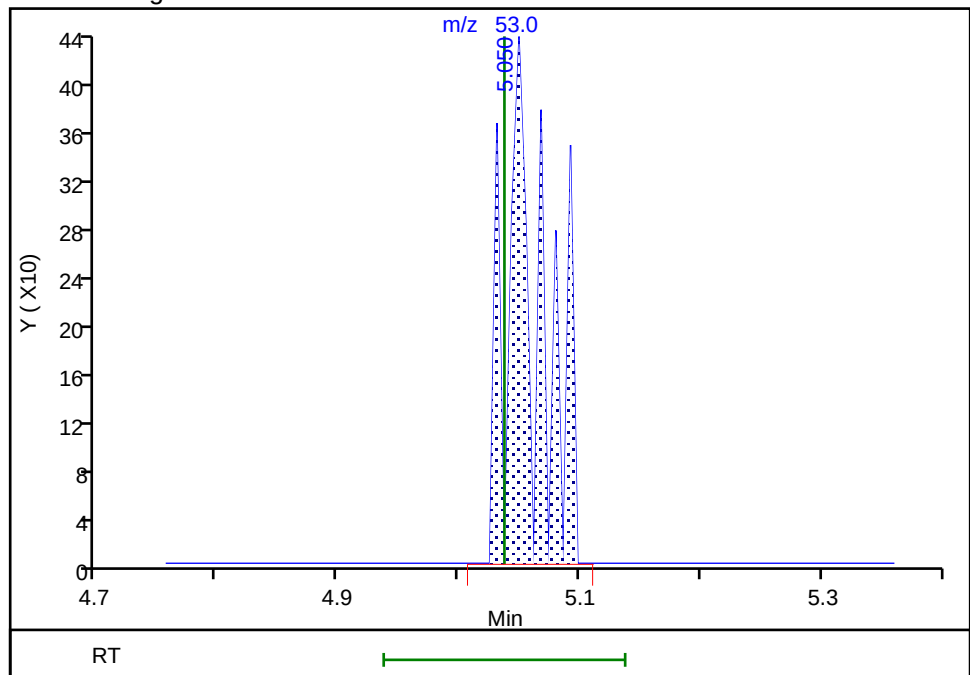
Not Detected
Expected RT: 5.04

Processing Integration Results



RT: 5.05
Area: 853
Amount: 0.009532
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 15:58:29 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

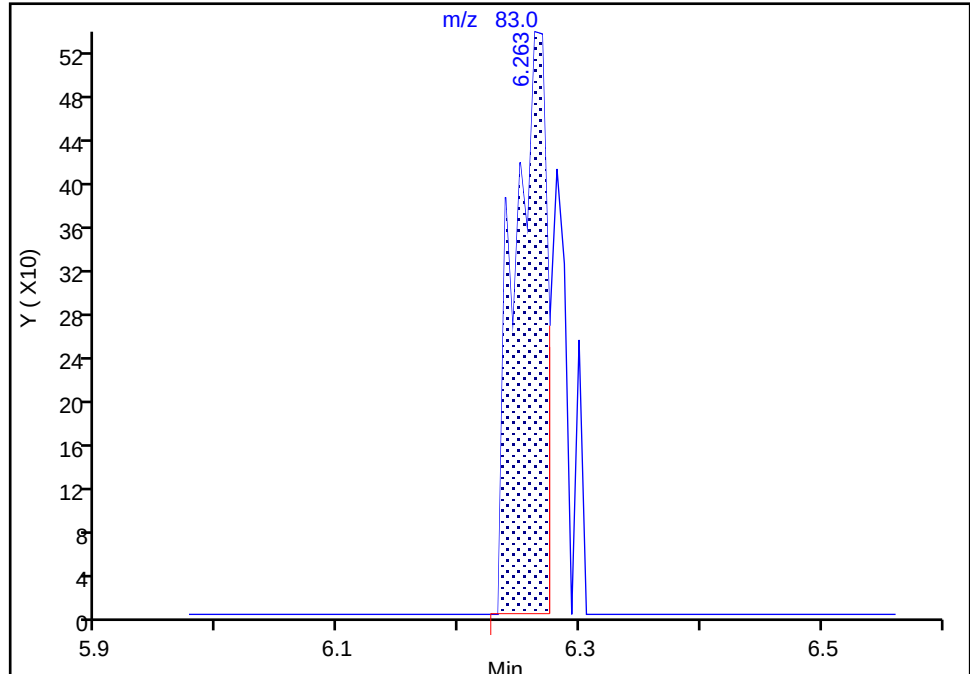
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Lims ID: IC std1 0.02
Client ID:
Operator ID: ecr105096 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

50 Chloroform, CAS: 67-66-3

Signal: 1

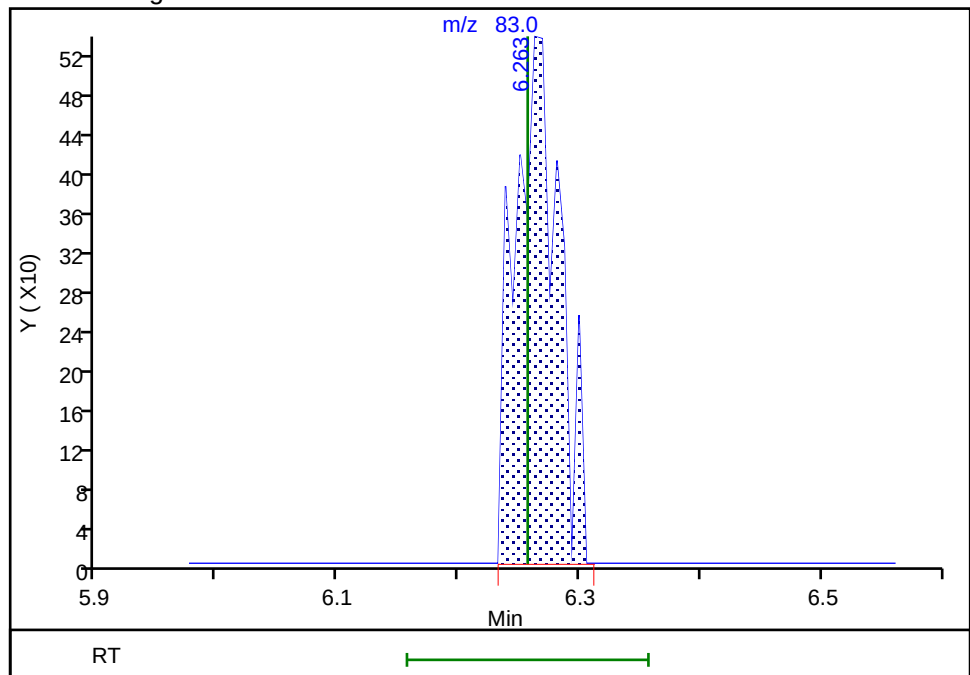
RT: 6.26
Area: 1001
Amount: 0.010760
Amount Units: ug/l

Processing Integration Results



RT: 6.26
Area: 1361
Amount: 0.014322
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 15:58:46 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

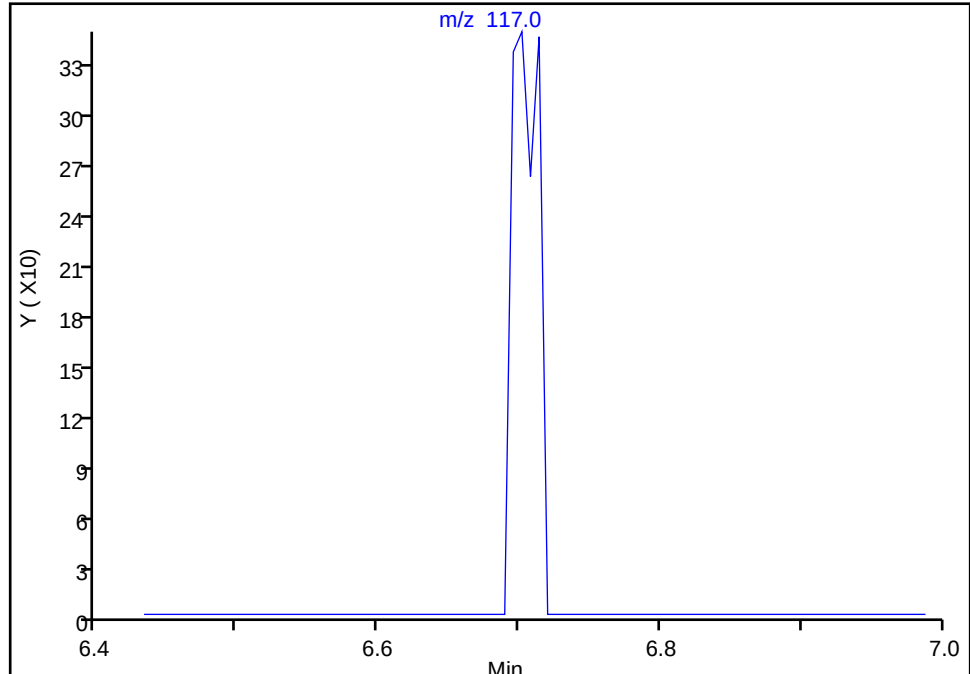
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Injection Date: 31-Mar-2025 15:52:30 Instrument ID: 19094
Lims ID: IC std1 0.02
Client ID:
Operator ID: ecr105096 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

56 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

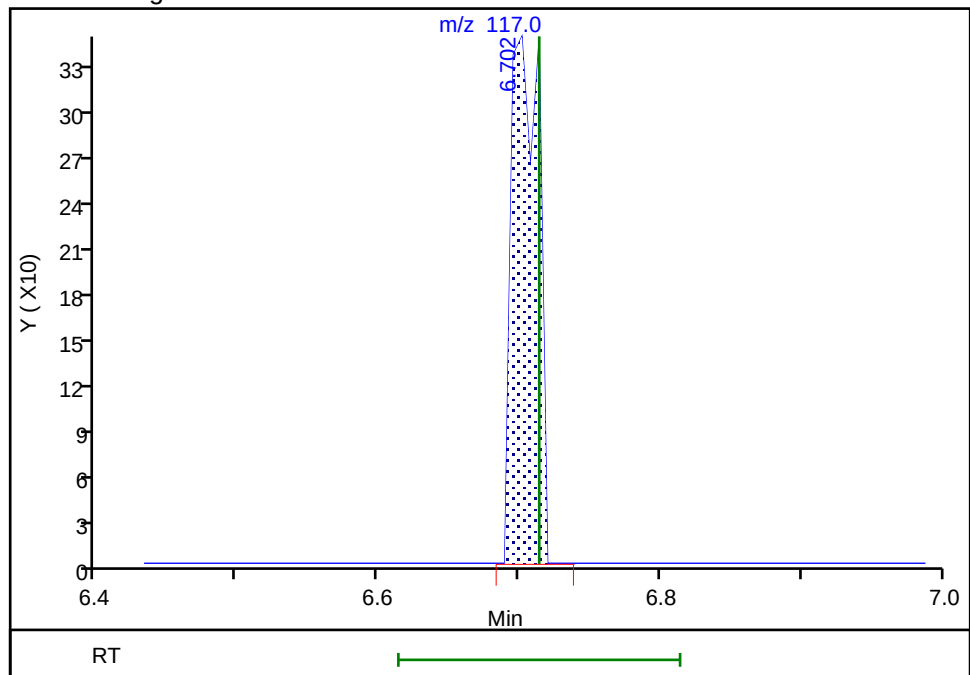
Not Detected
Expected RT: 6.71

Processing Integration Results



RT: 6.70
Area: 469
Amount: 0.006139
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 15:59:02 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

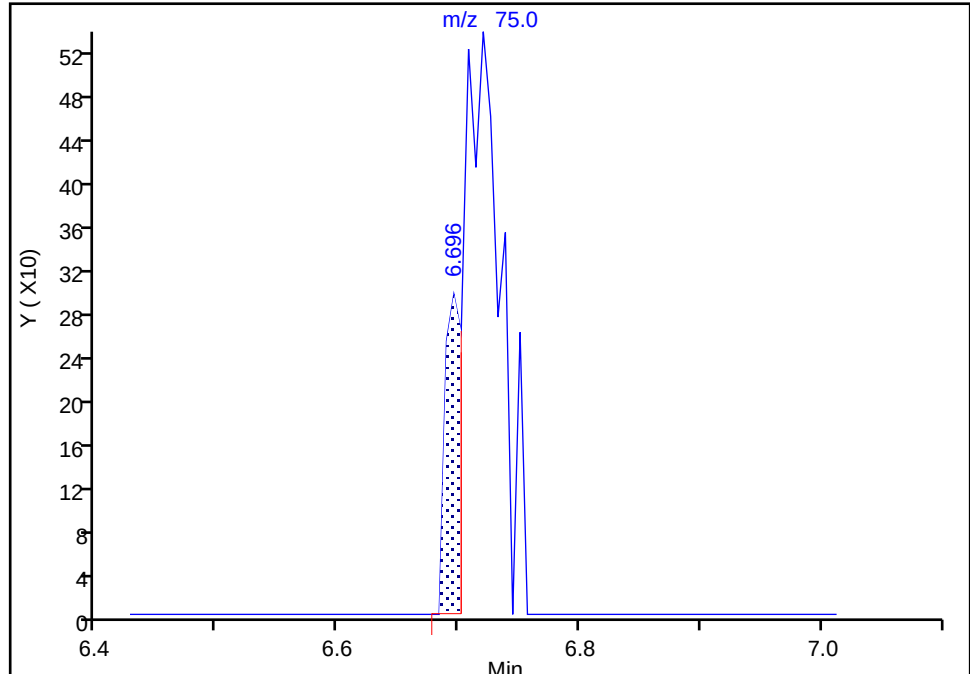
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Lims ID: IC std1 0.02
Client ID:
Operator ID: ecr105096 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

55 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

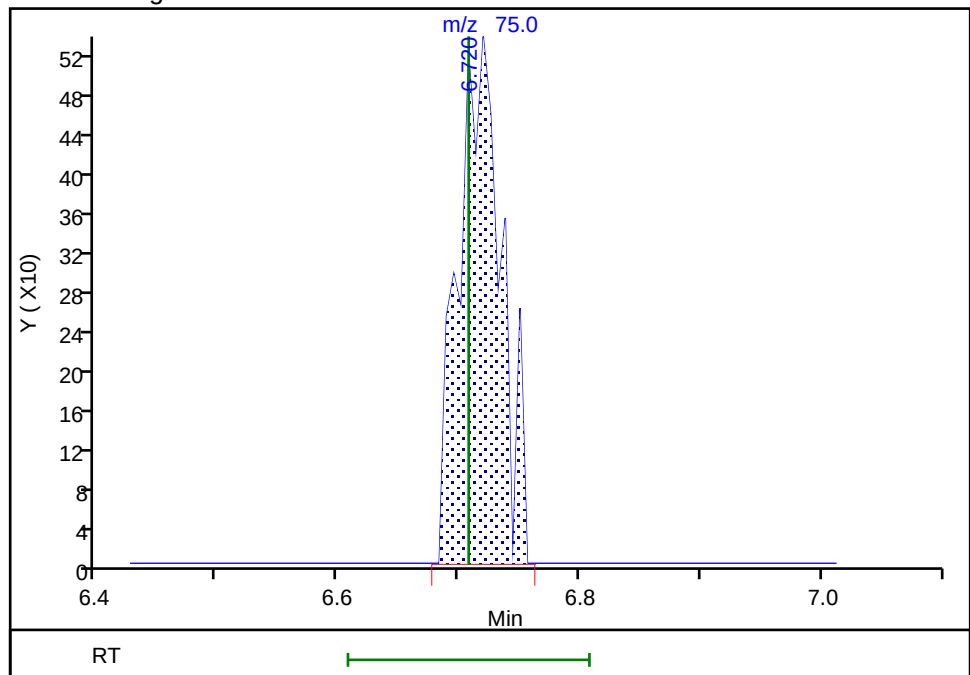
RT: 6.70
Area: 295
Amount: 0.015439
Amount Units: ug/l

Processing Integration Results



RT: 6.72
Area: 1325
Amount: 0.016117
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 15:58:55 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

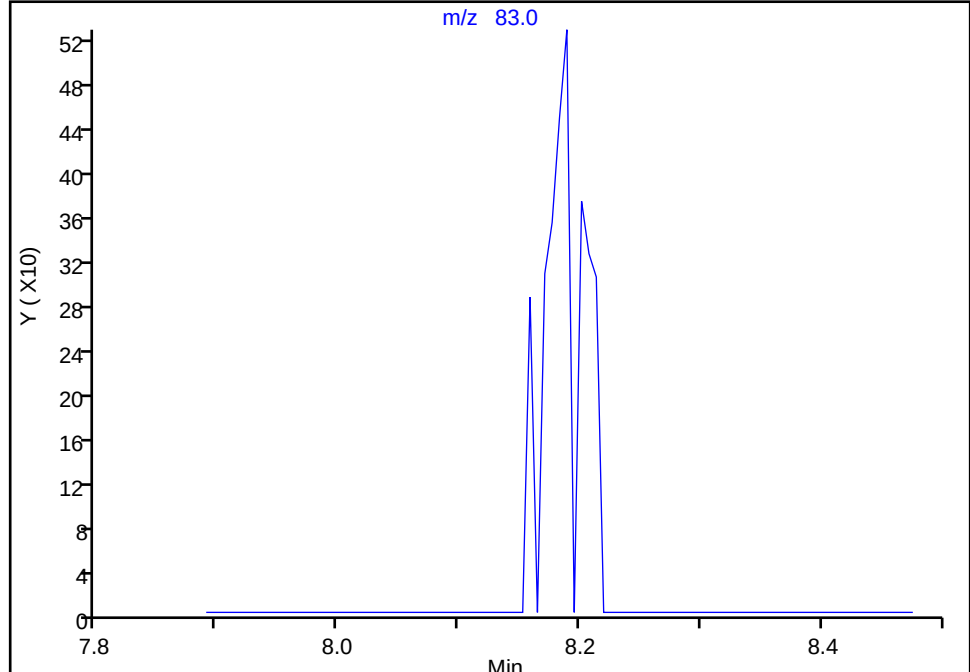
Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X12.D
Injection Date: 31-Mar-2025 15:52:30 Instrument ID: 19094
Lims ID: IC std1 0.02
Client ID:
Operator ID: ecr105096 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

69 Methylcyclohexane, CAS: 108-87-2

Signal: 1

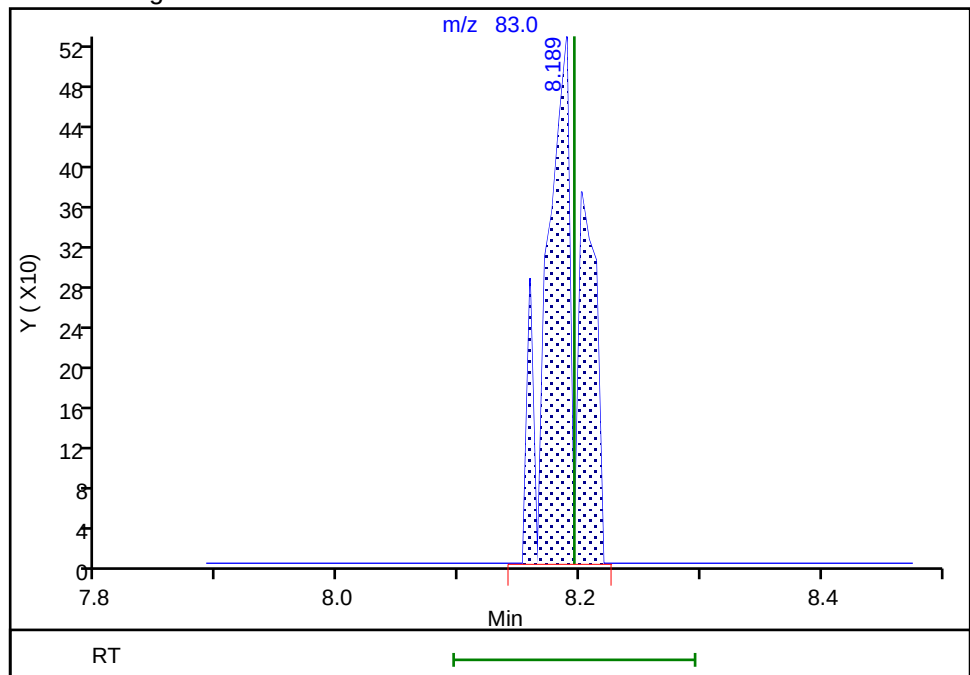
Not Detected
Expected RT: 8.20

Processing Integration Results



RT: 8.19
Area: 1059
Amount: 0.010826
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 15:59:17 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

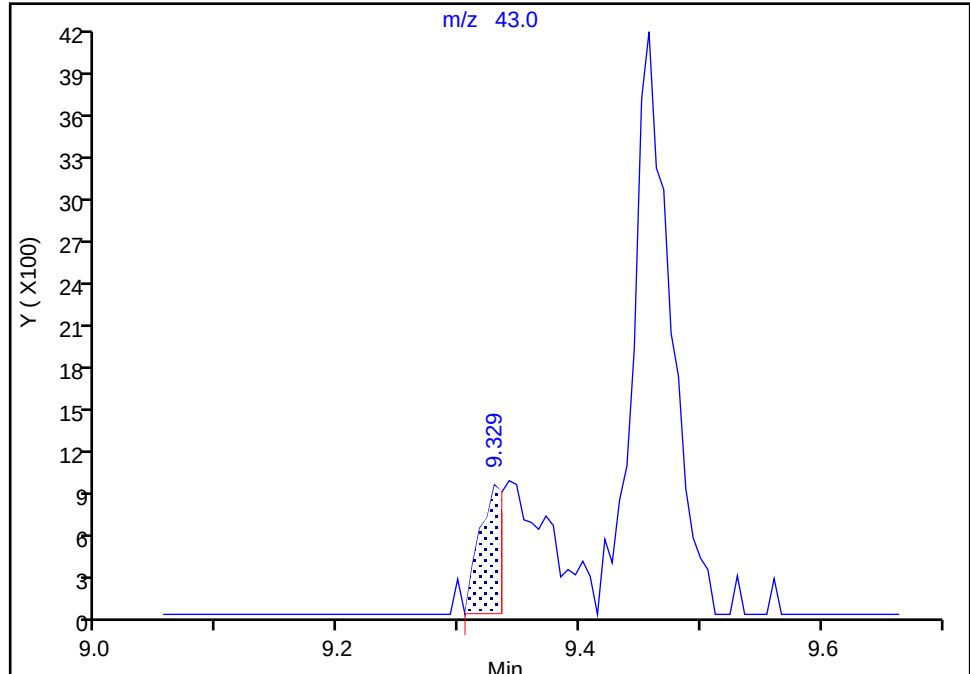
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Injection Date: 31-Mar-2025 15:52:30 Instrument ID: 19094
Lims ID: IC std1 0.02
Client ID:
Operator ID: ecr105096 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

82 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

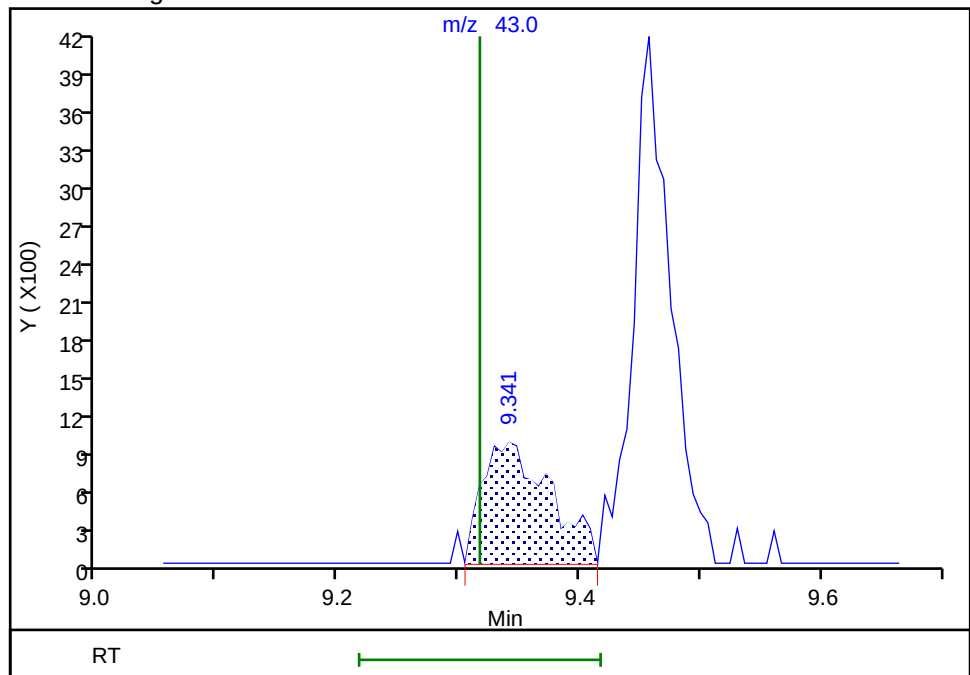
RT: 9.33
Area: 1251
Amount: 0.049278
Amount Units: ug/l

Processing Integration Results



RT: 9.34
Area: 3672
Amount: 0.126212
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 11-Apr-2025 08:29:28 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Other

Eurofins Lancaster Laboratories Environment Testing, LLC

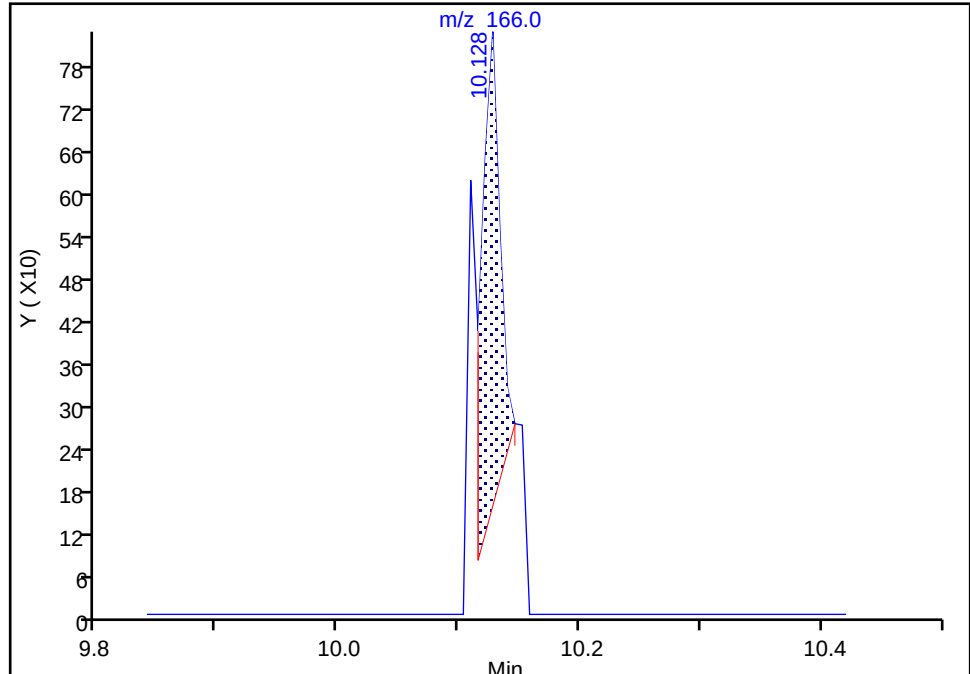
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Injection Date: 31-Mar-2025 15:52:30 Instrument ID: 19094
Lims ID: IC std1 0.02
Client ID:
Operator ID: ecr105096 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

107 Tetrachloroethene, CAS: 127-18-4

Signal: 1

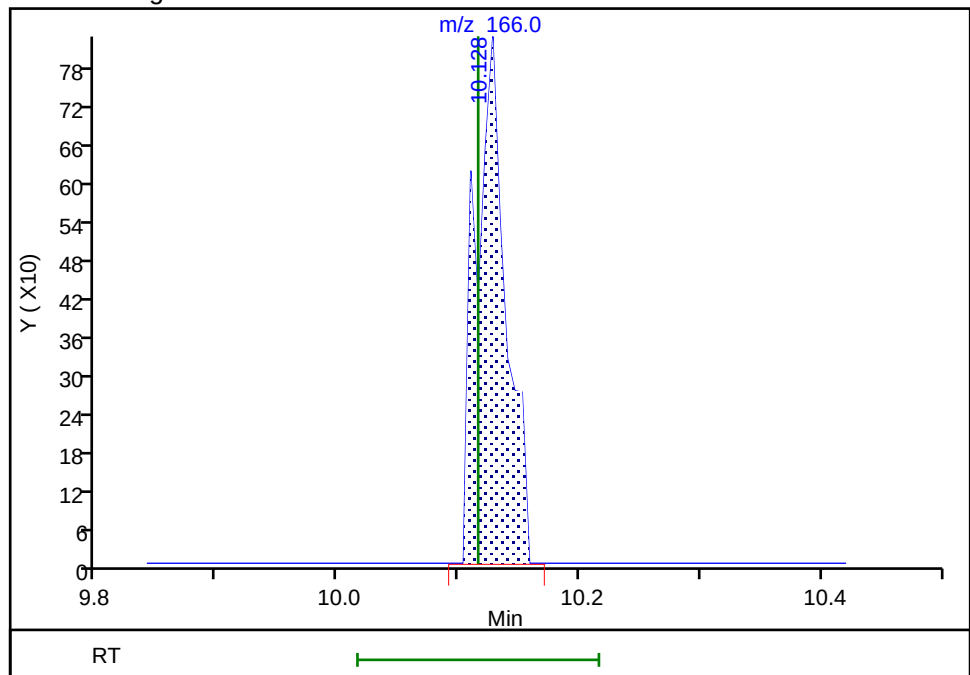
RT: 10.13
Area: 721
Amount: 0.011076
Amount Units: ug/l

Processing Integration Results



RT: 10.13
Area: 1427
Amount: 0.020675
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 11-Apr-2025 08:32:22 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Other

Eurofins Lancaster Laboratories Environment Testing, LLC

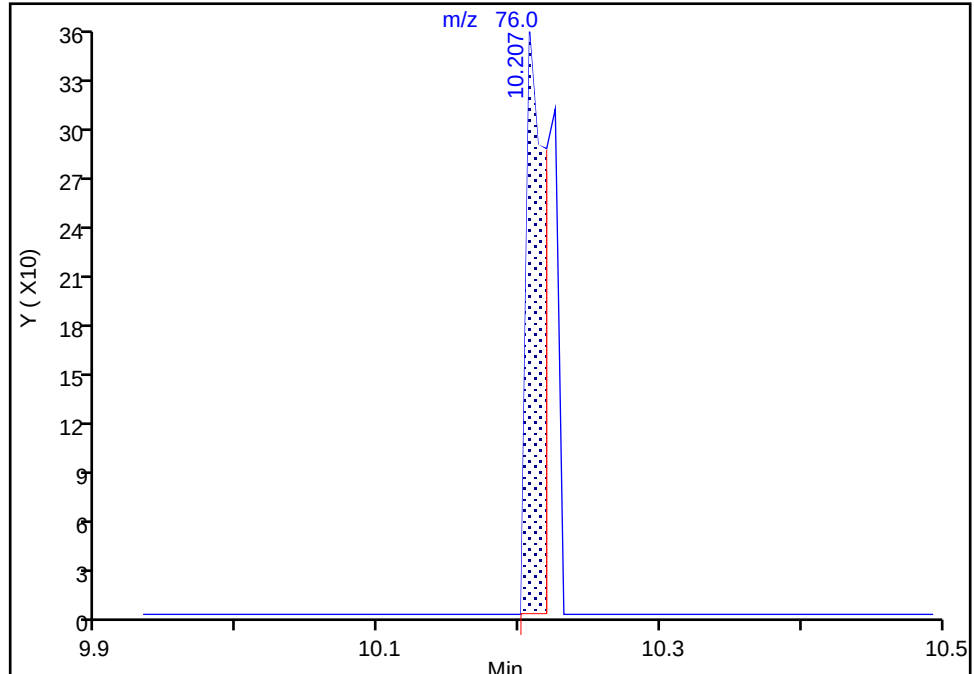
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Injection Date: 31-Mar-2025 15:52:30 Instrument ID: 19094
Lims ID: IC std1 0.02
Client ID:
Operator ID: ecr105096 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

108 1,3-Dichloropropane, CAS: 142-28-9

Signal: 1

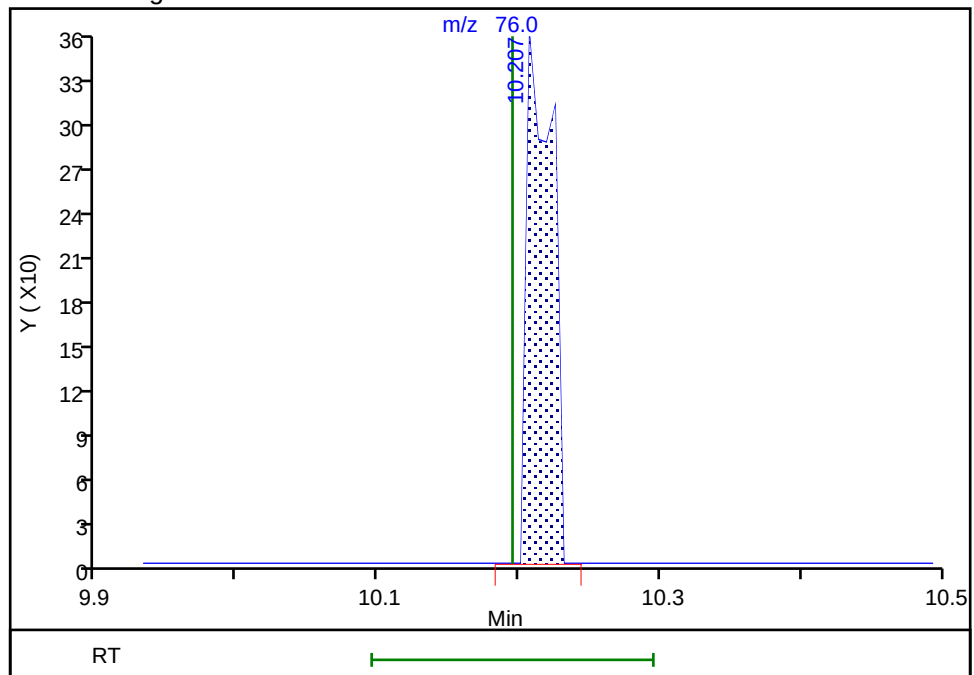
RT: 10.21
Area: 337
Amount: 0.019289
Amount Units: ug/l

Processing Integration Results



RT: 10.21
Area: 449
Amount: 0.007791
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 11-Apr-2025 08:32:49 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Other

Eurofins Lancaster Laboratories Environment Testing, LLC

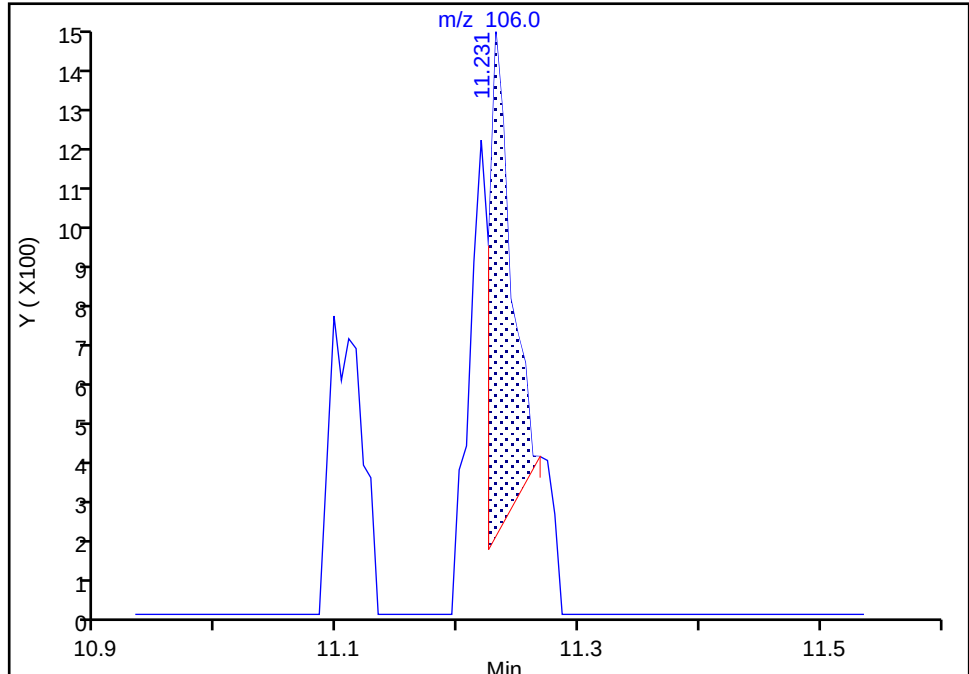
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Injection Date: 31-Mar-2025 15:52:30 Instrument ID: 19094
Lims ID: IC std1 0.02
Client ID:
Operator ID: ecr105096 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

119 m-Xylene & p-Xylene, CAS: 179601-23-1

Signal: 1

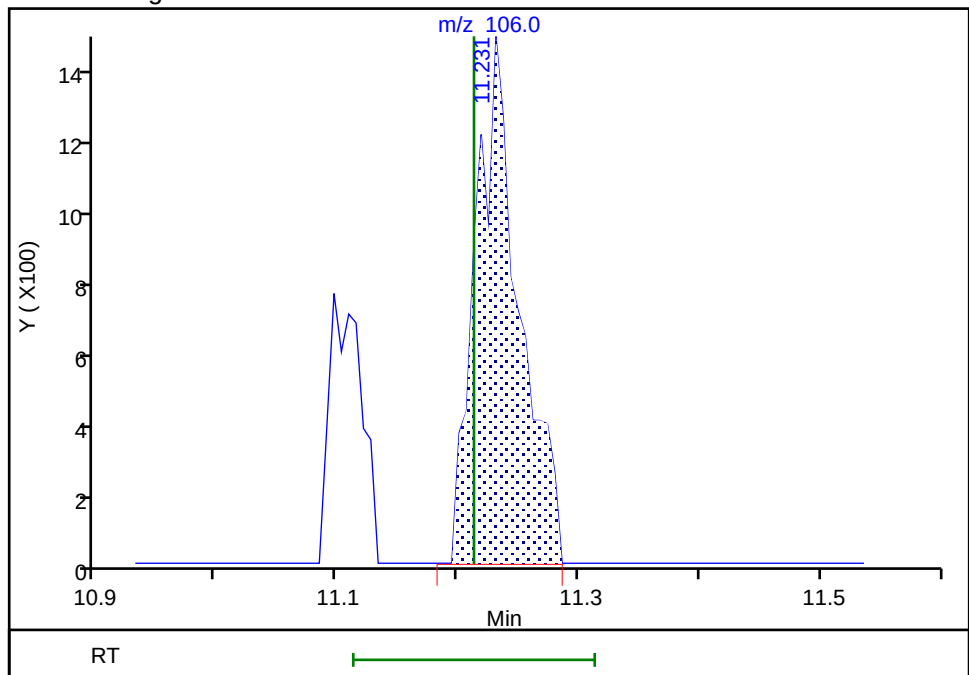
RT: 11.23
Area: 1597
Amount: 0.038352
Amount Units: ug/l

Processing Integration Results



RT: 11.23
Area: 3728
Amount: 0.034130
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 15:59:43 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

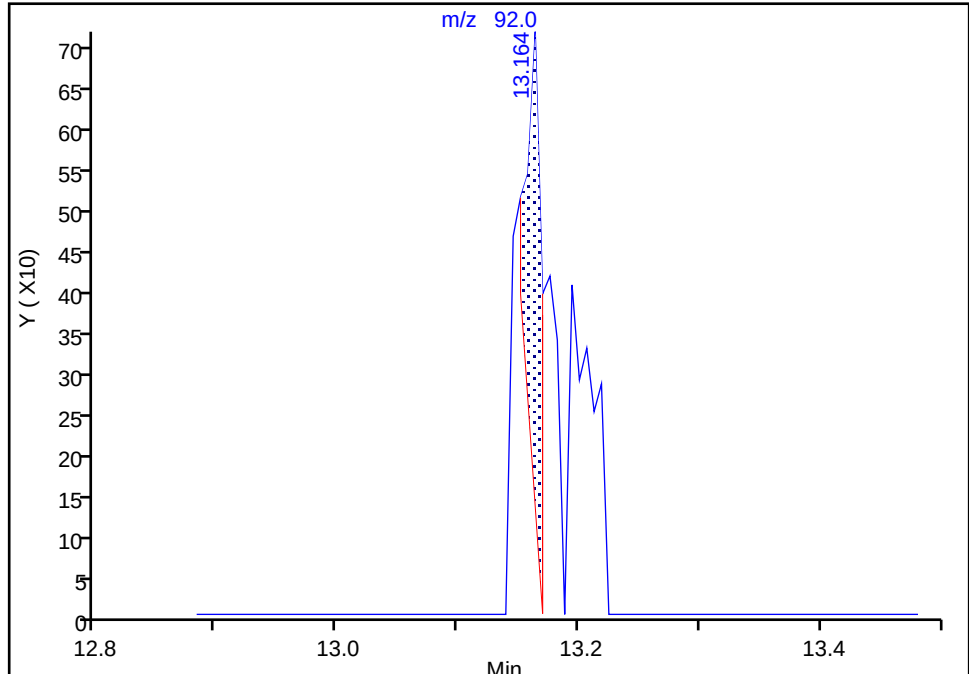
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Injection Date: 31-Mar-2025 15:52:30 Instrument ID: 19094
Lims ID: IC std1 0.02
Client ID:
Operator ID: ecr105096 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

146 n-Butylbenzene, CAS: 104-51-8

Signal: 1

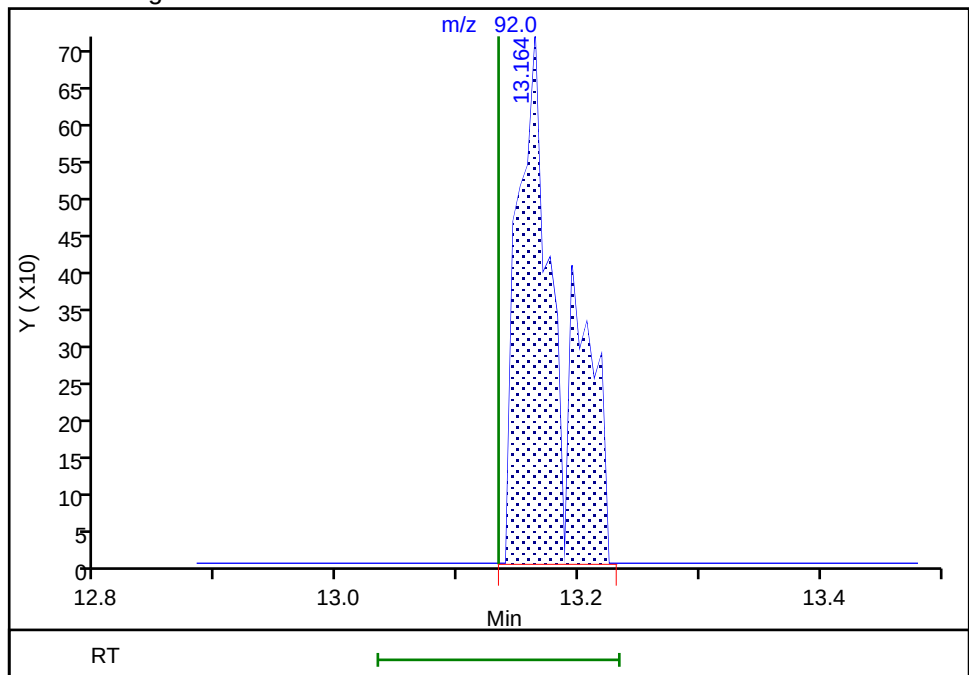
RT: 13.16
Area: 505
Amount: 0.005156
Amount Units: ug/l

Processing Integration Results



RT: 13.16
Area: 1810
Amount: 0.016879
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:00:37 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

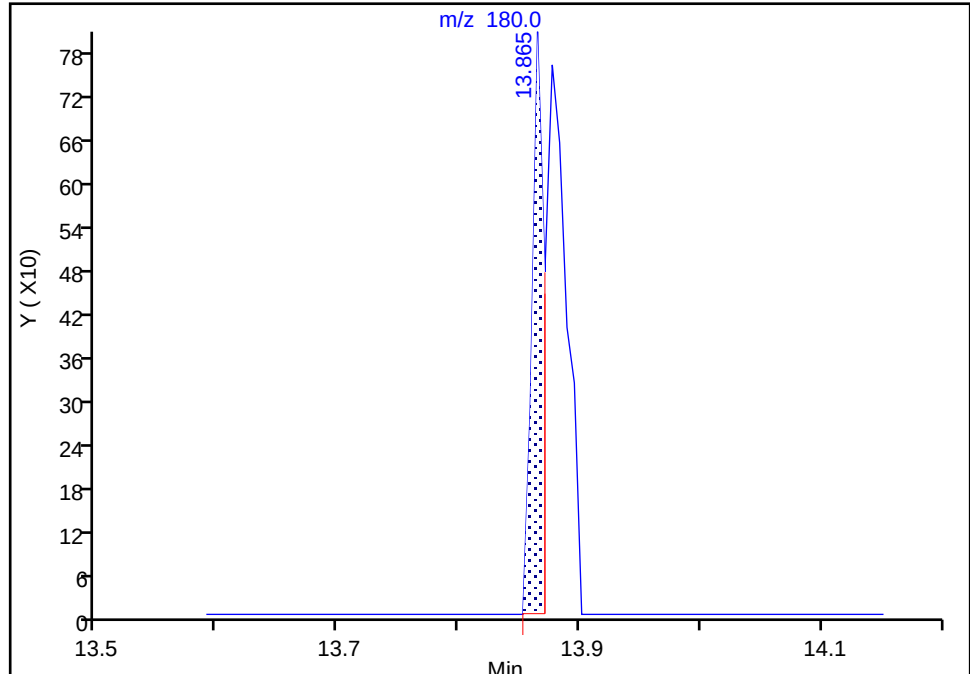
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X12.D
Injection Date: 31-Mar-2025 15:52:30 Instrument ID: 19094
Lims ID: IC std1 0.02
Client ID:
Operator ID: ecr105096 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

150 1,3,5-Trichlorobenzene, CAS: 108-70-3
Signal: 1

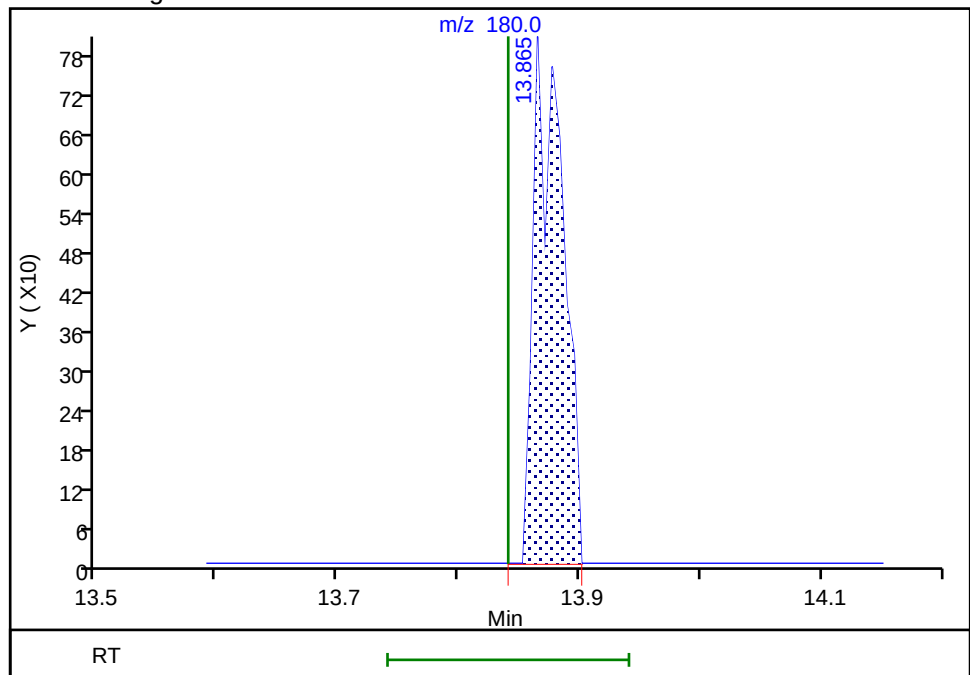
RT: 13.86
Area: 573
Amount: 0.019652
Amount Units: ug/l

Processing Integration Results



RT: 13.86
Area: 1355
Amount: 0.015829
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:00:46 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X13.D
 Lims ID: IC std2 0.06
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 31-Mar-2025 16:13:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0142485-014
 Misc. Info.: IC STD2 0.06
 Operator ID: ecr105096 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 12-Apr-2025 07:04:21 Calib Date: 31-Mar-2025 18:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1648

First Level Reviewer: N7YK

Date: 01-Apr-2025 16:05:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.843	1.843	0.000	89	3992	0.0600	0.0612	
5 Chloromethane	50	2.038	2.032	0.006	96	6677	0.0600	0.0724	
7 Butadiene	39	2.129	2.129	0.000	90	5384	0.0600	0.0645	
6 Vinyl chloride	62	2.136	2.142	-0.006	75	5216	0.0600	0.0648	
9 Bromomethane	94	2.422	2.422	0.000	1	3708	0.0600	0.0677	
10 Chloroethane	64	2.495	2.501	-0.006	83	2874	0.0600	0.0635	
11 Dichlorofluoromethane	67	2.727	2.721	0.006	95	8575	0.0600	0.0664	
12 Trichlorofluoromethane	101	2.745	2.812	-0.067	49	5696	0.0600	0.0598	
14 Ethyl ether	59	3.020	3.001	0.019	80	1456	0.0600	0.0444	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.074	3.080	-0.006	41	4828	0.0600	0.0680	M
16 Acrolein	56	3.221	3.160	0.061	66	10927	2.93	2.27	M
17 1,1-Dichloroethene	96	3.288	3.288	0.000	94	3110	0.0600	0.0683	
19 Acetone	43	3.452	3.312	0.140	3	4045	0.6000	0.7937	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.330	3.324	0.006	62	2625	0.0600	0.0522	
21 Iodomethane	142	3.471	3.471	0.000	95	5375	0.0600	0.0614	
22 Ethyl bromide	108	3.495	3.495	0.000	29	2428	0.0601	0.0574	
23 Carbon disulfide	76	3.574	3.574	0.000	99	9628	0.0600	0.0659	
24 Methyl acetate	43		3.690				ND	ND	
26 3-Chloro-1-propene	41	3.727	3.721	0.006	90	6637	0.0600	0.0697	
27 Methylene Chloride	84	3.904	3.885	0.019	51	3099	0.0600	0.0647	
* 28 t-Butyl alcohol-d10 (IS)	65	3.922	3.910	0.012	97	69368	50.0	50.0	
29 2-Methyl-2-propanol	59	4.019	4.019	0.000	1	321	1.20	0.2270	M
31 Acrylonitrile	53		4.221				ND	ND	
32 Methyl tert-butyl ether	73	4.269	4.269	0.000	62	6793	0.0600	0.0641	
33 trans-1,2-Dichloroethene	96	4.300	4.281	0.019	95	3300	0.0600	0.0647	
34 Hexane	57	4.684	4.696	-0.012	86	4415	0.0600	0.0573	
36 1,1-Dichloroethane	63	4.940	4.928	0.012	88	6859	0.0600	0.0672	M
37 Isopropyl ether	45	5.001	4.989	0.012	94	11058	0.0600	0.0628	
38 2-Chloro-1,3-butadiene	53	5.074	5.037	0.037	83	5481	0.0600	0.0612	
40 Tert-butyl ethyl ether	59	5.537	5.537	0.000	93	10017	0.0600	0.0641	

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		5.732				ND	ND	
42 cis-1,2-Dichloroethene	96	5.812	5.769	0.043	82	4082	0.0600	0.0670	M
43 2,2-Dichloropropane	77	5.775	5.787	-0.012	66	5265	0.0600	0.0620	
44 Propionitrile	54		5.836				ND	ND	
47 Methacrylonitrile	67	6.110	6.031	0.079	79	3490	0.6000	2.78	M
48 Chlorobromomethane	128	6.129	6.098	0.031	82	710	0.0600	0.0339	
49 Tetrahydrofuran	71		6.123				ND	ND	
S 46 1,2-Dichloroethene, Total	100				0			0.1317	
50 Chloroform	83	6.269	6.257	0.012	86	6276	0.0600	0.0660	
\$ 52 Dibromofluoromethane (Surr)	113	6.476	6.476	0.000	94	427379	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.501	6.494	0.007	44	6110	0.0600	0.0710	
54 Cyclohexane	56	6.592	6.598	-0.006	50	6478	0.0600	0.0650	
55 1,1-Dichloropropene	75	6.726	6.708	0.018	91	5469	0.0600	0.0665	
56 Carbon tetrachloride	117	6.720	6.714	0.006	79	4271	0.0600	0.0559	
57 Isobutyl alcohol	41		6.866				ND	ND	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.940	6.933	0.007	77	76413	10.0	10.1	
59 Benzene	78	6.982	6.970	0.012	91	14491	0.0600	0.0613	
60 1,2-Dichloroethane	62	7.055	7.043	0.012	9	2443	0.0600	0.0493	
63 Tert-amyl methyl ether	73	7.171	7.177	-0.006	89	8560	0.0600	0.0685	
* 64 Fluorobenzene (IS)	96	7.385	7.385	0.000	99	1965958	10.0	10.0	
65 n-Heptane	43	7.409	7.409	0.000	68	4529	0.0600	0.0619	
67 n-Butanol	56		7.793				ND	ND	
68 Trichloroethene	95	7.891	7.878	0.013	94	3690	0.0600	0.0611	
69 Methylcyclohexane	83	8.201	8.195	0.006	93	6158	0.0600	0.0629	
70 1,2-Dichloropropane	63	8.214	8.208	0.006	88	3526	0.0600	0.0620	
71 2-ethoxy-2-methyl butane	87	8.238	8.232	0.006	89	5337	0.0600	0.0623	
72 Methyl methacrylate	69		8.311				ND	ND	
74 Dibromomethane	93	8.342	8.323	0.019	25	942	0.0600	0.0441	M
73 1,4-Dioxane	88		8.329				ND	ND	
76 Dichlorobromomethane	83	8.579	8.561	0.018	92	3880	0.0600	0.0617	
77 2-Nitropropane	41	8.854	8.835	0.019	37	2753	0.3000	0.3761	M
79 1-Bromo-2-chloroethane	63	8.994	8.963	0.031	1	2532	0.0600	0.0516	M
80 cis-1,3-Dichloropropene	75	9.177	9.134	0.043	92	4708	0.0600	0.0583	M
82 4-Methyl-2-pentanone (MIBK)	43	9.335	9.317	0.018	96	11368	0.6000	0.3829	
\$ 83 Toluene-d8 (Surr)	98	9.463	9.463	0.000	94	1890264	10.0	9.97	
84 Toluene	92	9.549	9.543	0.006	95	9499	0.0600	0.0639	
85 trans-1,3-Dichloropropene	75	9.866	9.817	0.049	82	2542	0.0600	0.0438	M
104 Ethyl methacrylate	69	9.927	9.890	0.037	32	1386	0.0600	0.0337	M
106 1,1,2-Trichloroethane	97	10.049	10.030	0.019	86	1892	0.0600	0.0593	M
S 105 1,3-Dichloropropene, Total	100				0			0.1021	
107 Tetrachloroethene	166	10.128	10.116	0.012	95	4668	0.0600	0.0678	
108 1,3-Dichloropropane	76	10.213	10.195	0.018	88	3207	0.0600	0.0558	
109 2-Hexanone	43	10.311	10.250	0.061	1	1250	0.6000	1.70	
111 Chlorodibromomethane	129	10.427	10.414	0.013	81	2449	0.0600	0.0620	
112 Ethylene Dibromide	107	10.561	10.530	0.031	95	1348	0.0600	0.0466	
* 113 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	86	1401748	10.0	10.0	
114 1-Chlorohexane	91	11.000	10.987	0.013	53	8077	0.0600	0.0880	M
115 Chlorobenzene	112	11.006	11.000	0.006	93	10198	0.0600	0.0642	
116 1,1,1,2-Tetrachloroethane	131	11.091	11.091	0.000	39	2823	0.0600	0.0540	
117 Ethylbenzene	91	11.103	11.091	0.012	99	18516	0.0600	0.0637	
119 m-Xylene & p-Xylene	106	11.225	11.213	0.012	99	12732	0.1200	0.1169	
S 118 Xylenes, Total	106				0			0.1709	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 o-Xylene	106	11.554	11.548	0.006	96	5630	0.0600	0.0541	
121 Styrene	104	11.585	11.561	0.024	91	8813	0.0600	0.0552	
122 Bromoform	173	11.731	11.719	0.012	89	887	0.0600	0.0406	
123 Isopropylbenzene	105	11.859	11.853	0.006	96	15440	0.0600	0.0614	
\$ 126 4-Bromofluorobenzene (Surr)	95	11.999	11.999	0.000	90	695917	10.0	10.0	
127 1,1,2,2-Tetrachloroethane	83		12.103				ND	ND	
128 Bromobenzene	156	12.115	12.115	0.000	91	3480	0.0600	0.0572	
129 trans-1,4-Dichloro-2-butene	53	12.152	12.128	0.024	76	3715	0.6000	0.3155	
130 1,2,3-Trichloropropane	110	12.158	12.146	0.012	71	390	0.0600	0.0434	
131 N-Propylbenzene	91	12.195	12.188	0.007	99	19671	0.0600	0.0604	
132 2-Chlorotoluene	126	12.268	12.262	0.006	97	4181	0.0600	0.0645	
133 1,3,5-Trimethylbenzene	105	12.329	12.323	0.006	94	14034	0.0600	0.0615	
134 4-Chlorotoluene	126	12.371	12.353	0.018	97	3755	0.0600	0.0565	
135 tert-Butylbenzene	134	12.573	12.566	0.007	93	3025	0.0600	0.0589	
136 Pentachloroethane	167	12.603	12.597	0.006	76	2083	0.0600	0.0558	
137 1,2,4-Trimethylbenzene	105	12.621	12.609	0.012	95	14152	0.0600	0.0605	
138 sec-Butylbenzene	105	12.737	12.731	0.006	93	16704	0.0600	0.0590	
139 1,3-Dichlorobenzene	146	12.841	12.829	0.012	95	7183	0.0600	0.0600	
140 4-Isopropyltoluene	119	12.847	12.841	0.006	96	12903	0.0600	0.0537	
* 141 1,4-Dichlorobenzene-d4	152	12.890	12.890	0.000	95	750682	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.908	12.908	0.000	85	8258	0.0600	0.0648	
143 1,2,3-Trimethylbenzene	120	12.920	12.914	0.006	96	6120	0.0600	0.0576	
144 Benzyl chloride	126	12.999	12.981	0.018	1	227	0.0600	0.0155	
145 p-Diethylbenzene	119	13.127	13.115	0.012	92	7098	0.0600	0.0514	
146 n-Butylbenzene	92	13.146	13.133	0.013	86	5992	0.0600	0.0553	M
147 1,2-Dichlorobenzene	146	13.176	13.164	0.012	92	6144	0.0600	0.0594	
149 1,2-Dibromo-3-Chloropropane	155		13.713				ND	ND	
150 1,3,5-Trichlorobenzene	180	13.865	13.841	0.024	94	4766	0.0600	0.0551	
151 1,2,4-Trichlorobenzene	180	14.286	14.261	0.025	88	3291	0.0600	0.0508	
152 Hexachlorobutadiene	225	14.347	14.347	0.000	88	1841	0.0600	0.0593	
153 Naphthalene	128	14.475	14.438	0.037	90	5688	0.0600	0.0548	M
154 1,2,3-Trichlorobenzene	180	14.603	14.584	0.019	93	2990	0.0600	0.0530	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_GAS826_00264

Amount Added: 1.20

Units: uL

MSV_LL_#1_826_00163

Amount Added: 1.20

Units: uL

MSV_LL_#2_826_00174

Amount Added: 1.20

Units: uL

MSV_LLcentISS_00016

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 12-Apr-2025 07:04:22

Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X13.D

Injection Date: 31-Mar-2025 16:13:30

Instrument ID: 19094

Operator ID: ecr105096

Lims ID: IC std2 0.06

Worklist Smp#: 14

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

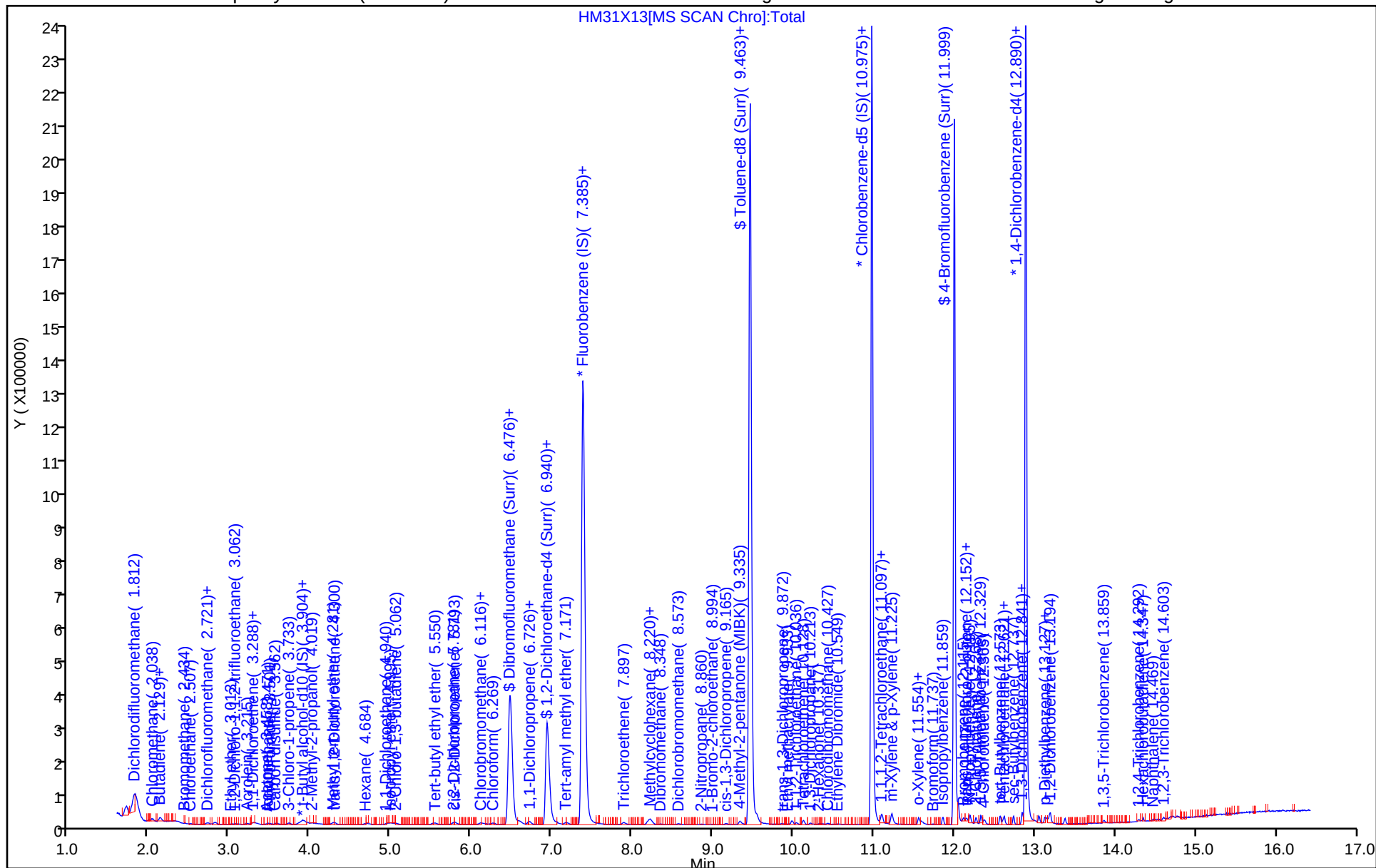
ALS Bottle#: 13

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

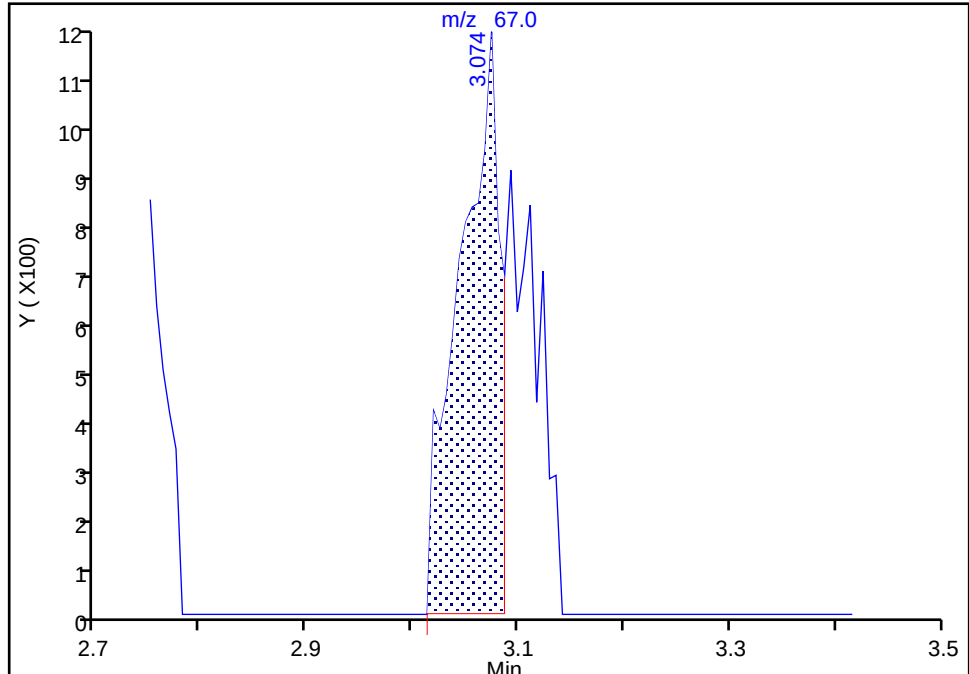
Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X13.D
Injection Date: 31-Mar-2025 16:13:30 Instrument ID: 19094
Lims ID: IC std2 0.06
Client ID:
Operator ID: ecr105096 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

15 1,2-Dichloro-1,1,2-trifluoroetha, CAS: 354-23-4

Signal: 1

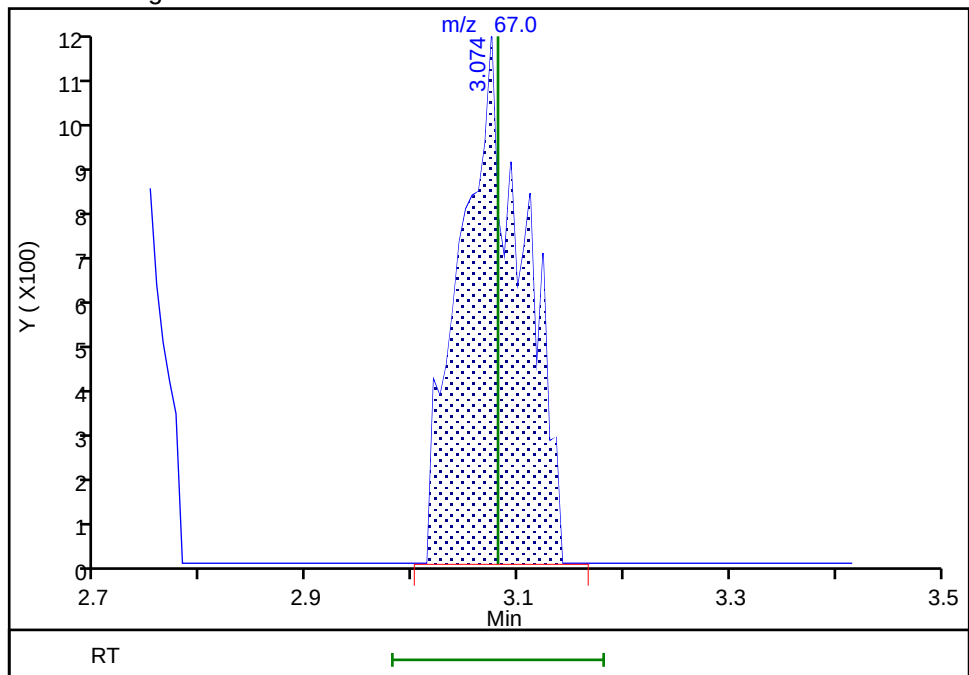
RT: 3.07
Area: 3110
Amount: 0.045876
Amount Units: ug/l

Processing Integration Results



RT: 3.07
Area: 4828
Amount: 0.068025
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:01:58 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

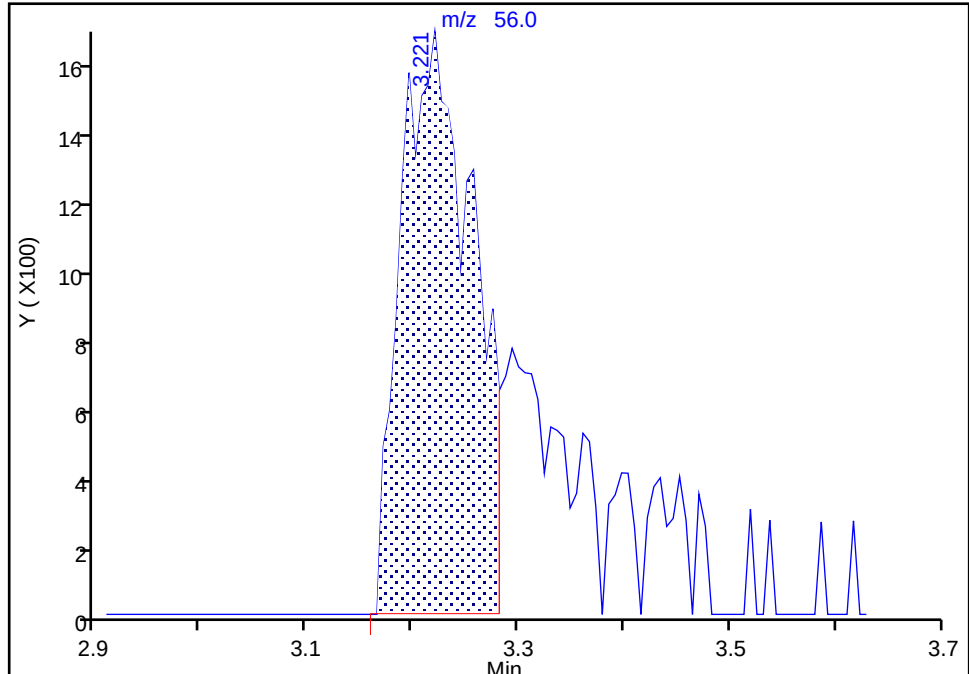
Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X13.D
Injection Date: 31-Mar-2025 16:13:30 Instrument ID: 19094
Lims ID: IC std2 0.06
Client ID:
Operator ID: ecr105096 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

16 Acrolein, CAS: 107-02-8

Signal: 1

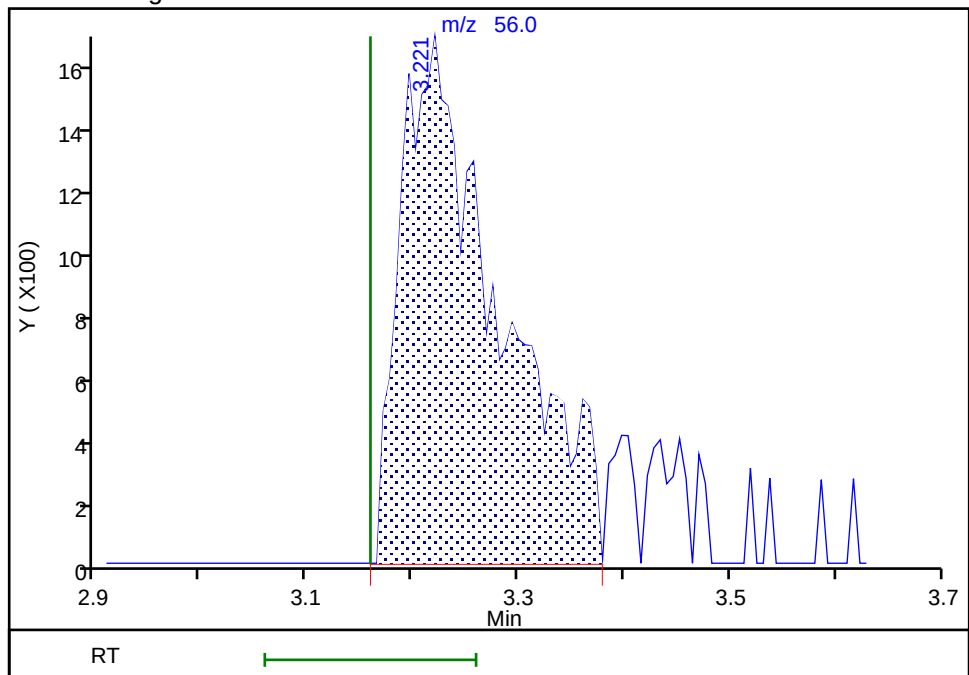
RT: 3.22
Area: 7953
Amount: 1.695594
Amount Units: ug/l

Processing Integration Results



RT: 3.22
Area: 10927
Amount: 2.268245
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:02:05 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

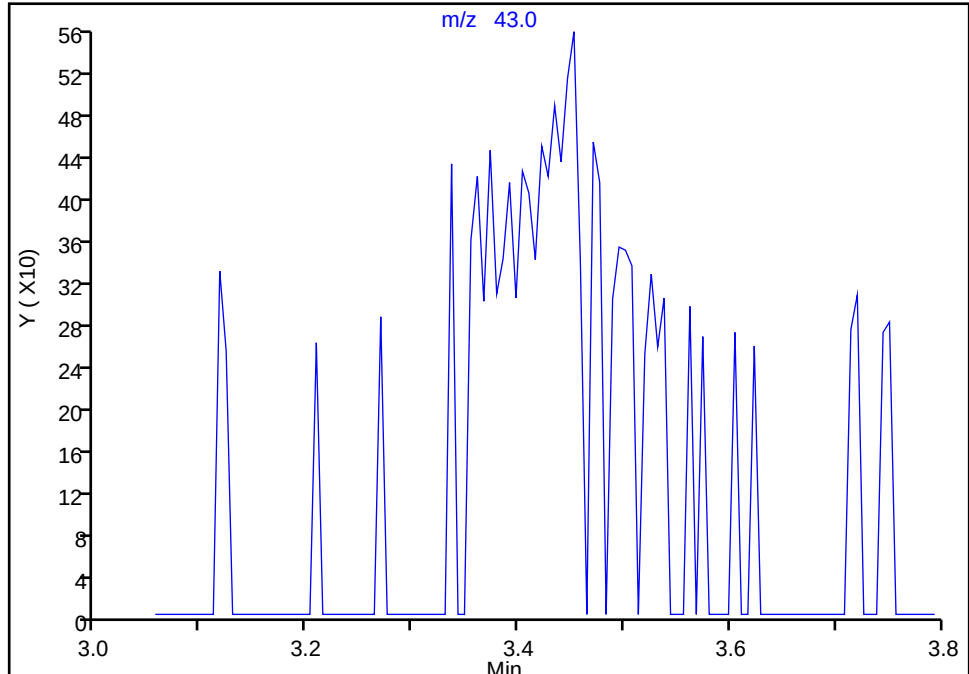
Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X13.D
Injection Date: 31-Mar-2025 16:13:30 Instrument ID: 19094
Lims ID: IC std2 0.06
Client ID:
Operator ID: ecr105096 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

19 Acetone, CAS: 67-64-1

Signal: 1

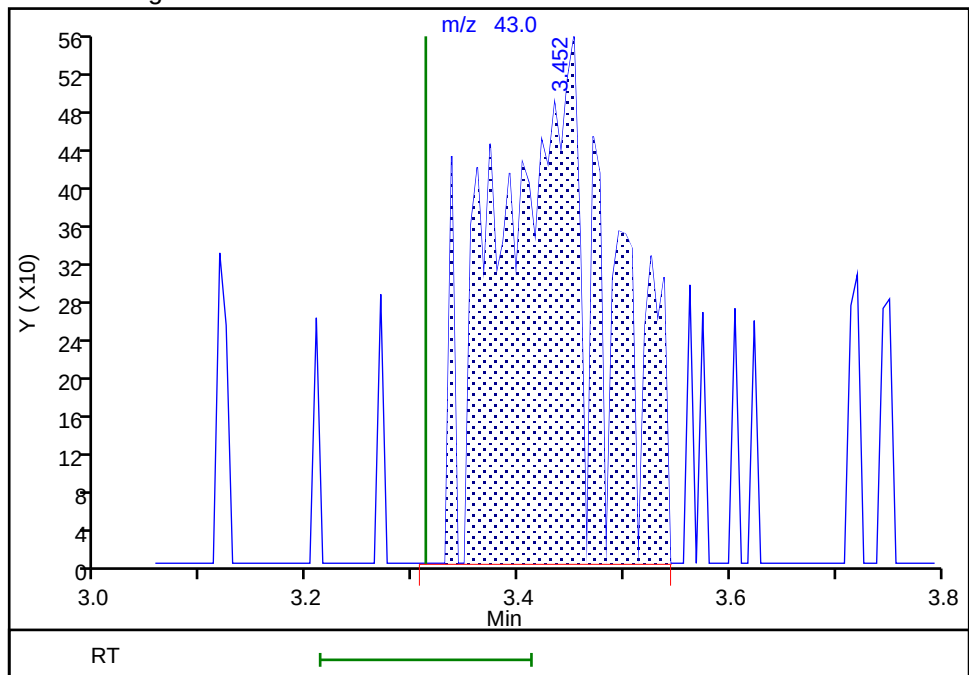
Not Detected
Expected RT: 3.31

Processing Integration Results



Manual Integration Results

RT: 3.45
Area: 4045
Amount: 0.793732
Amount Units: ug/l



Reviewer: N7YK, 01-Apr-2025 16:02:18 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

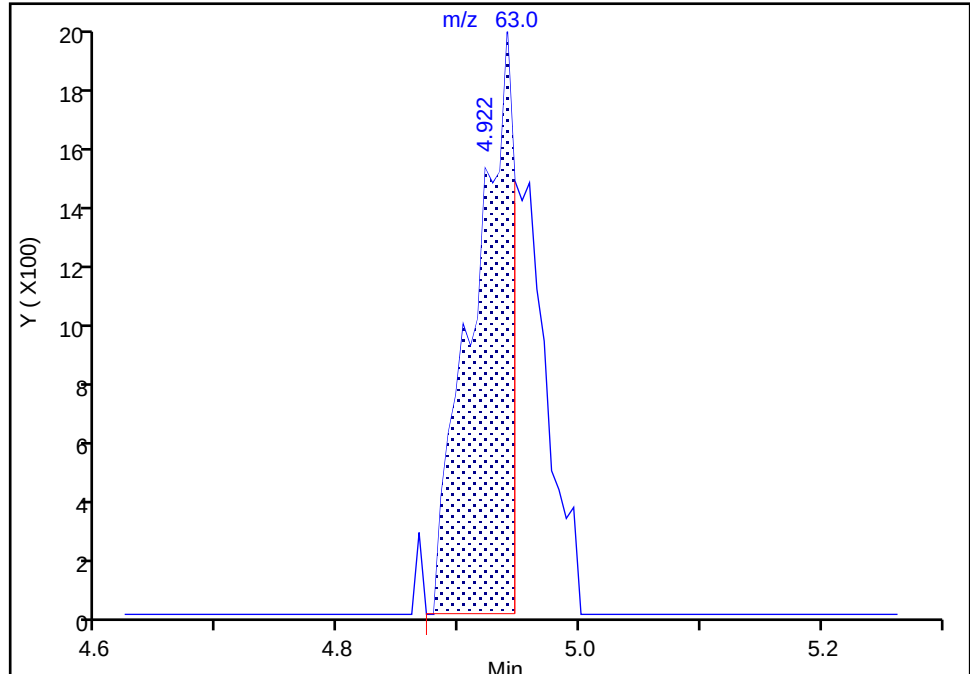
Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X13.D
Injection Date: 31-Mar-2025 16:13:30 Instrument ID: 19094
Lims ID: IC std2 0.06
Client ID:
Operator ID: ecr105096 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

36 1,1-Dichloroethane, CAS: 75-34-3

Signal: 1

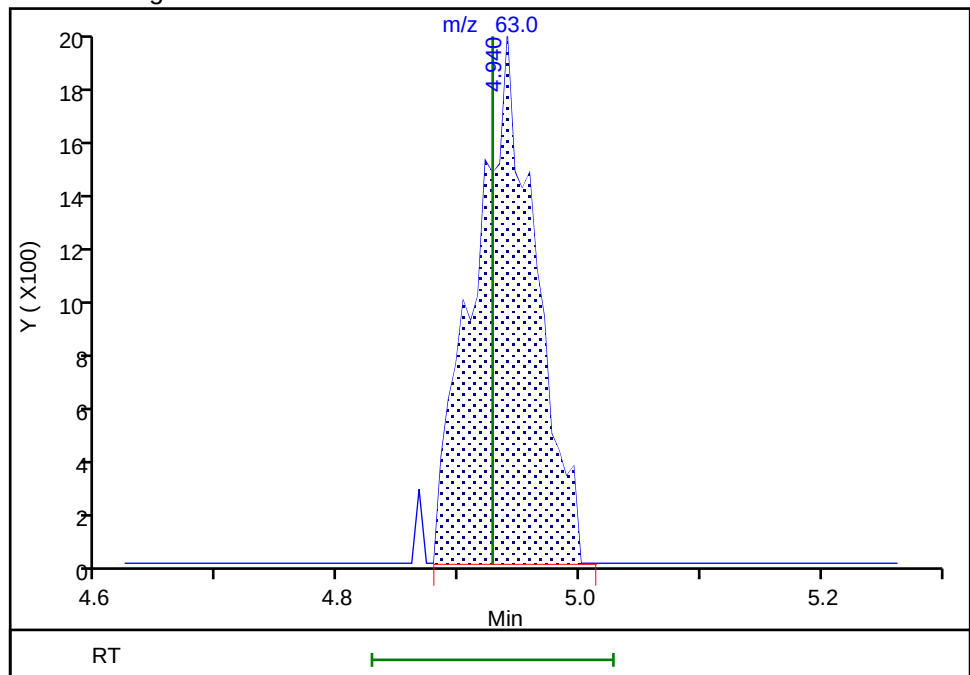
RT: 4.92
Area: 4523
Amount: 0.046305
Amount Units: ug/l

Processing Integration Results



RT: 4.94
Area: 6859
Amount: 0.067242
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:03:18 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

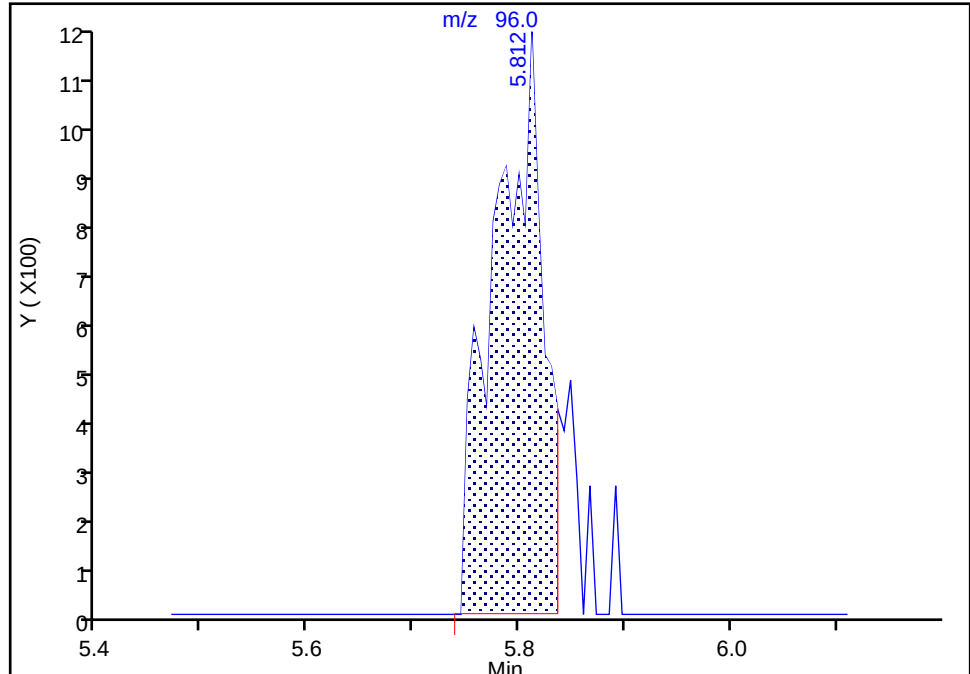
Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X13.D
Injection Date: 31-Mar-2025 16:13:30 Instrument ID: 19094
Lims ID: IC std2 0.06
Client ID:
Operator ID: ecr105096 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

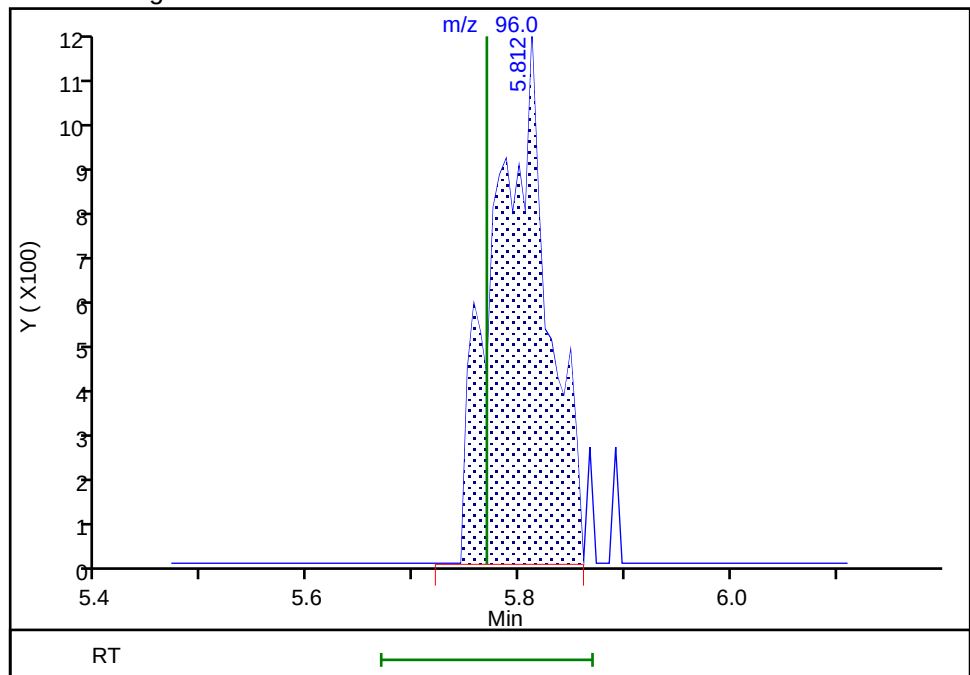
RT: 5.81
Area: 3686
Amount: 0.061371
Amount Units: ug/l

Processing Integration Results



RT: 5.81
Area: 4082
Amount: 0.067044
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 11-Apr-2025 08:54:08 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Other

Eurofins Lancaster Laboratories Environment Testing, LLC

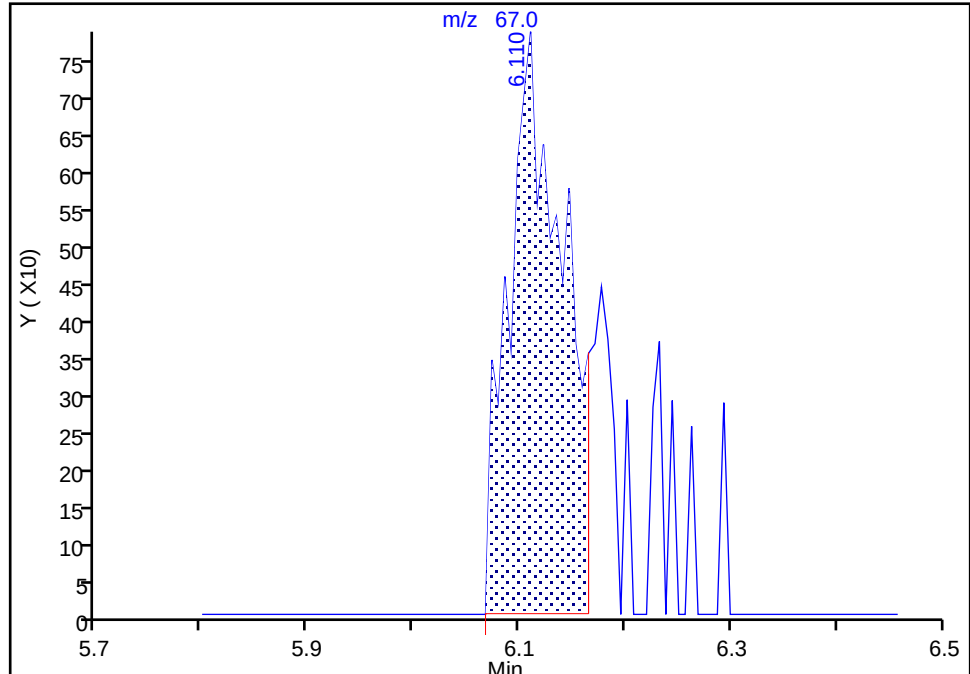
Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X13.D
Injection Date: 31-Mar-2025 16:13:30 Instrument ID: 19094
Lims ID: IC std2 0.06
Client ID:
Operator ID: ecr105096 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

47 Methacrylonitrile, CAS: 126-98-7

Signal: 1

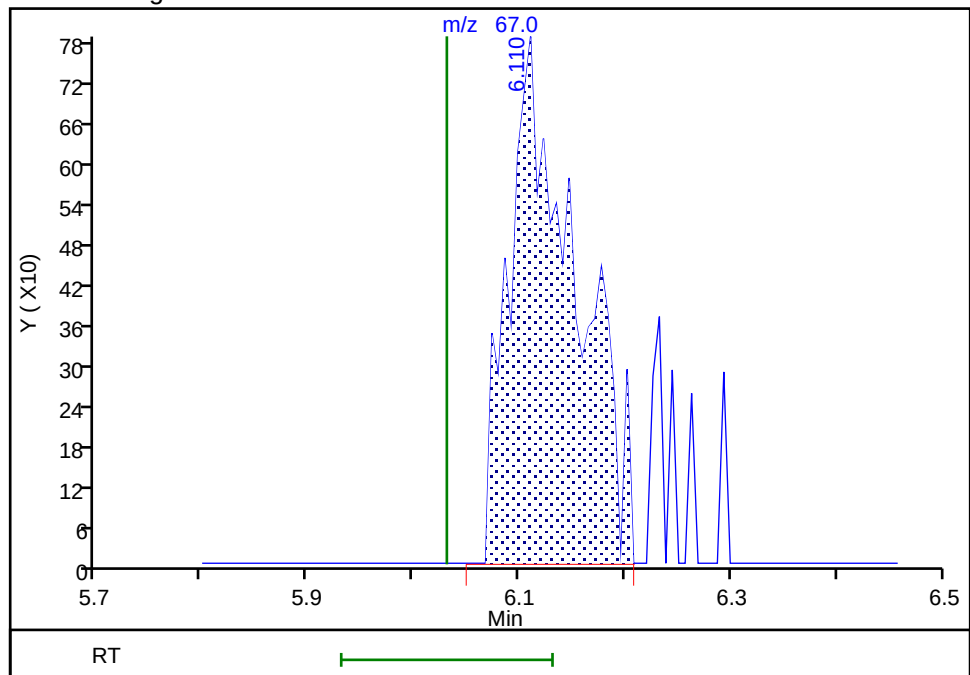
RT: 6.11
Area: 2859
Amount: 0.273326
Amount Units: ug/l

Processing Integration Results



RT: 6.11
Area: 3490
Amount: 2.778220
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:03:33 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

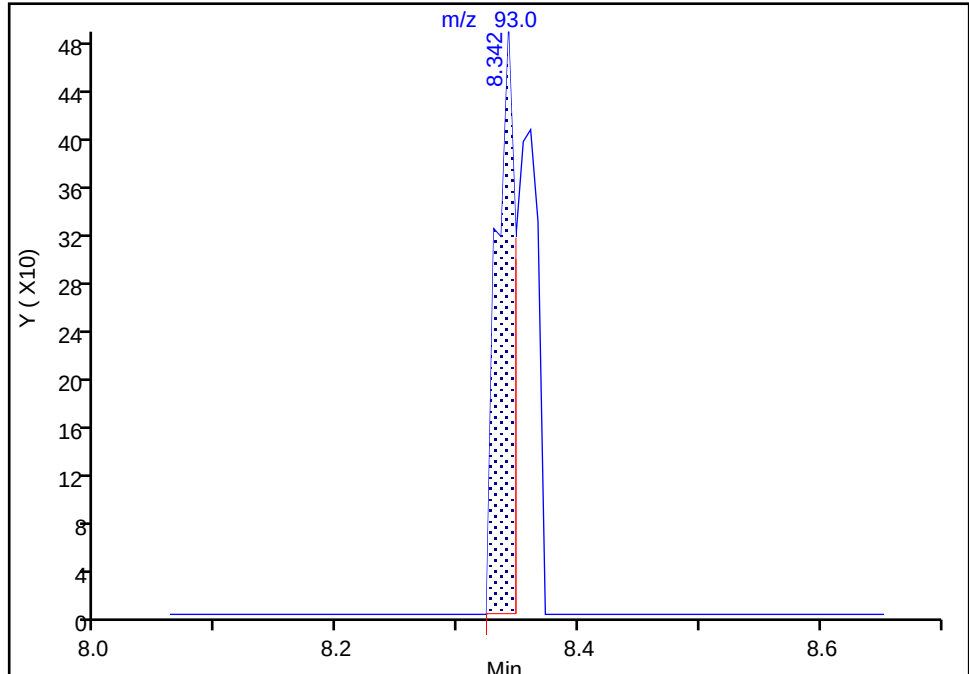
Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X13.D
Injection Date: 31-Mar-2025 16:13:30 Instrument ID: 19094
Lims ID: IC std2 0.06
Client ID:
Operator ID: ecr105096 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

74 Dibromomethane, CAS: 74-95-3

Signal: 1

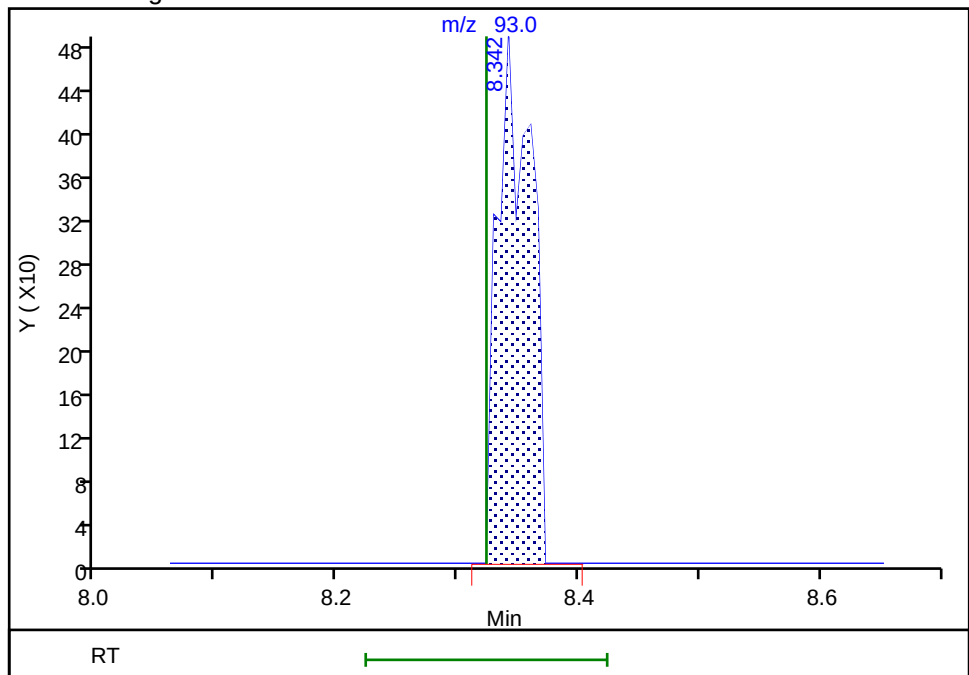
RT: 8.34
Area: 528
Amount: 0.079890
Amount Units: ug/l

Processing Integration Results



RT: 8.34
Area: 942
Amount: 0.044145
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 02-Apr-2025 15:16:25 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

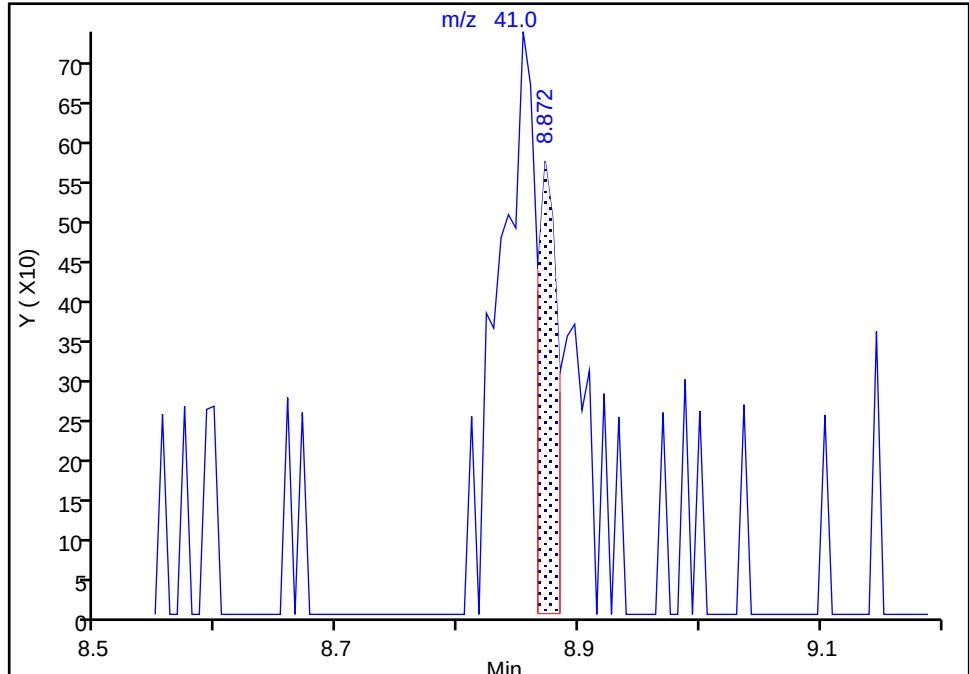
Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X13.D
Injection Date: 31-Mar-2025 16:13:30 Instrument ID: 19094
Lims ID: IC std2 0.06
Client ID:
Operator ID: ecr105096 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

77 2-Nitropropane, CAS: 79-46-9

Signal: 1

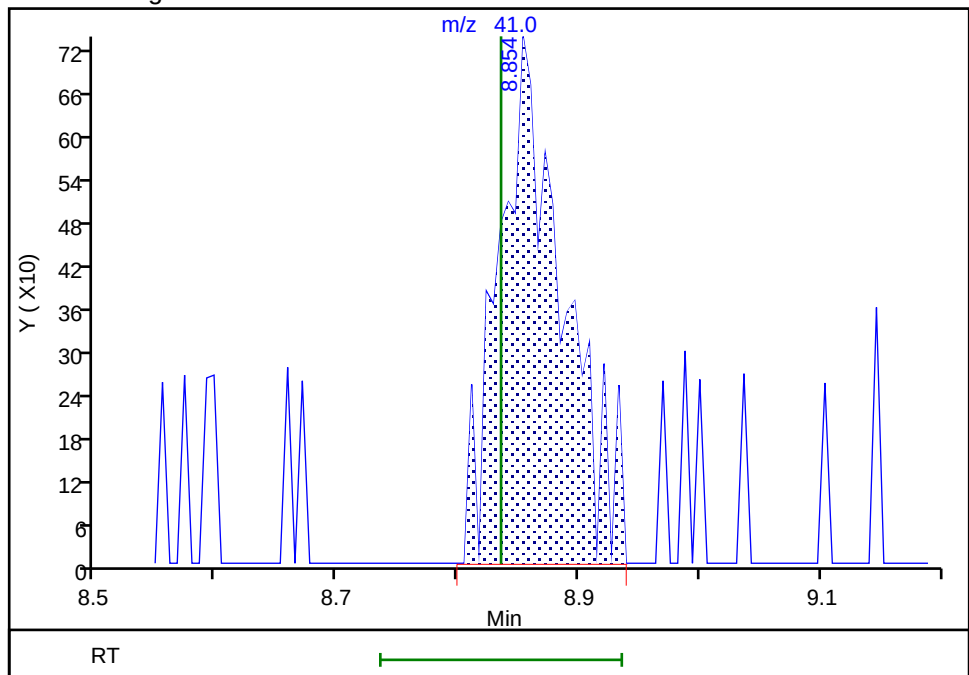
RT: 8.87
Area: 668
Amount: 0.127137
Amount Units: ug/l

Processing Integration Results



RT: 8.85
Area: 2753
Amount: 0.376107
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:04:01 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

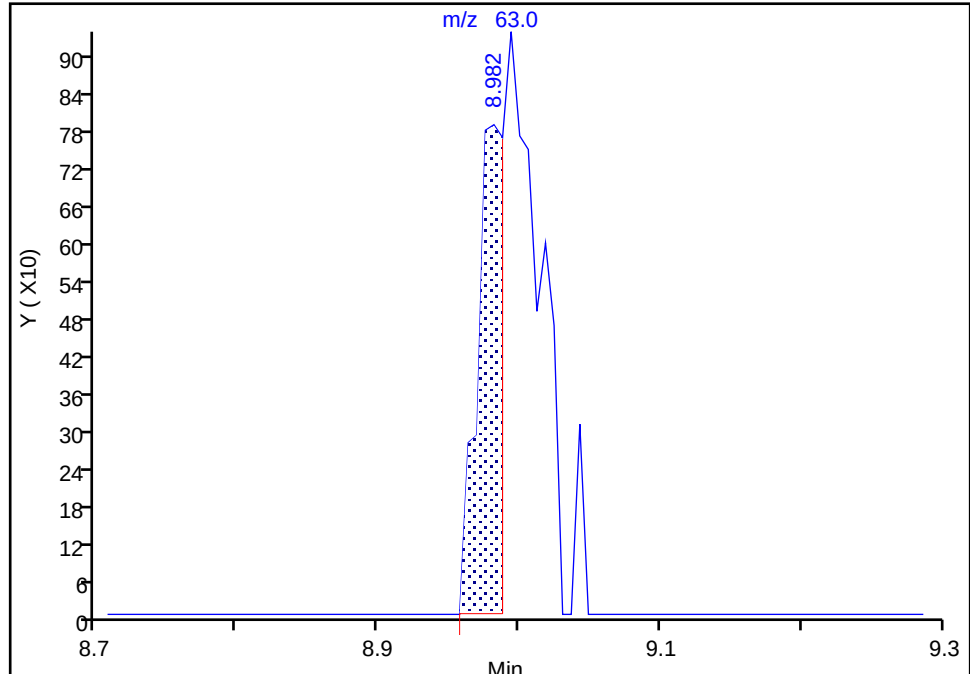
Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X13.D
Injection Date: 31-Mar-2025 16:13:30 Instrument ID: 19094
Lims ID: IC std2 0.06
Client ID:
Operator ID: ecr105096 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

79 1-Bromo-2-chloroethane, CAS: 107-04-0

Signal: 1

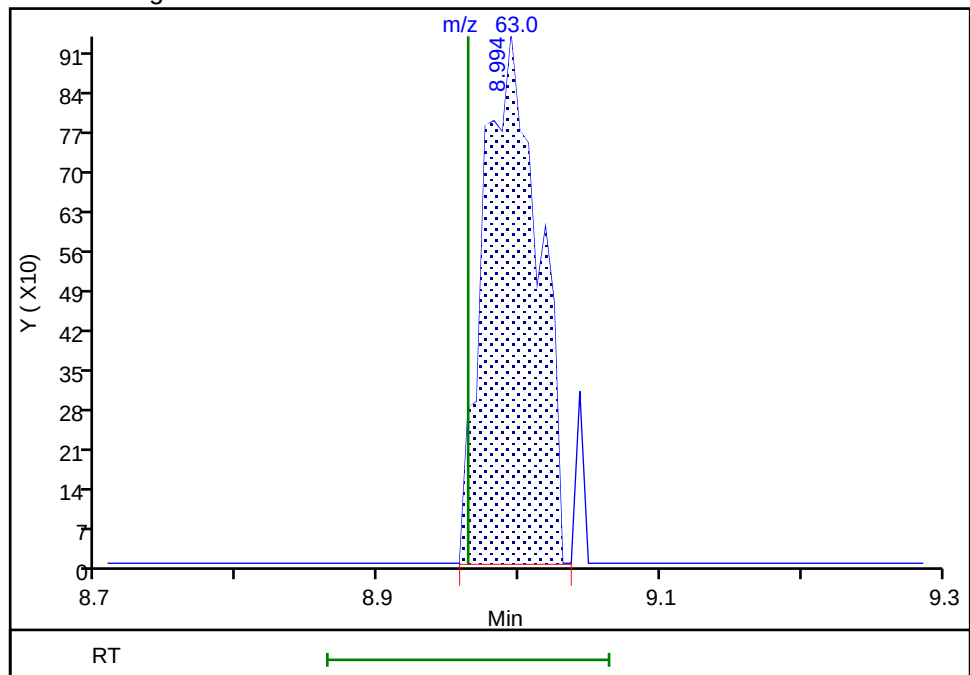
RT: 8.98
Area: 1063
Amount: 0.046362
Amount Units: ug/l

Processing Integration Results



RT: 8.99
Area: 2532
Amount: 0.051600
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:04:06 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

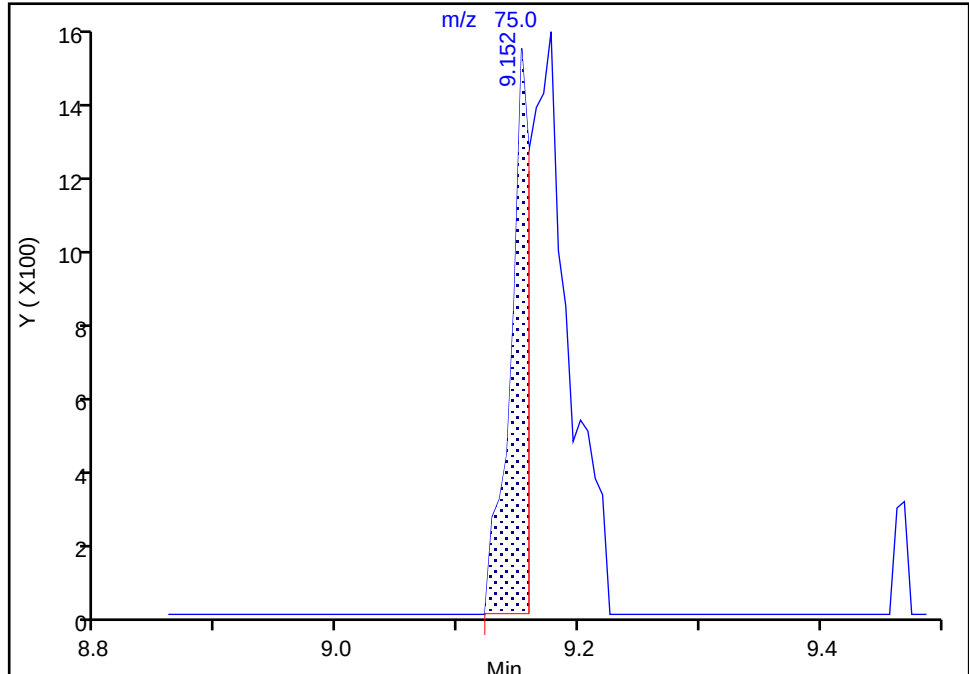
Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X13.D
Injection Date: 31-Mar-2025 16:13:30 Instrument ID: 19094
Lims ID: IC std2 0.06
Client ID:
Operator ID: ecr105096 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

80 cis-1,3-Dichloropropene, CAS: 10061-01-5

Signal: 1

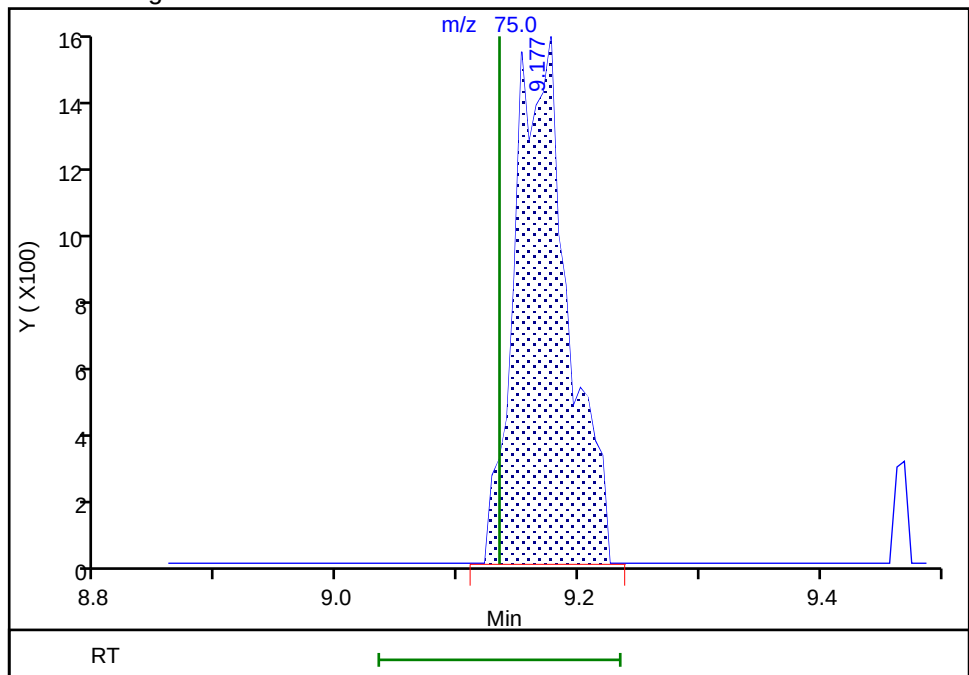
RT: 9.15
Area: 1684
Amount: 0.042476
Amount Units: ug/l

Processing Integration Results



RT: 9.18
Area: 4708
Amount: 0.058323
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:04:11 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

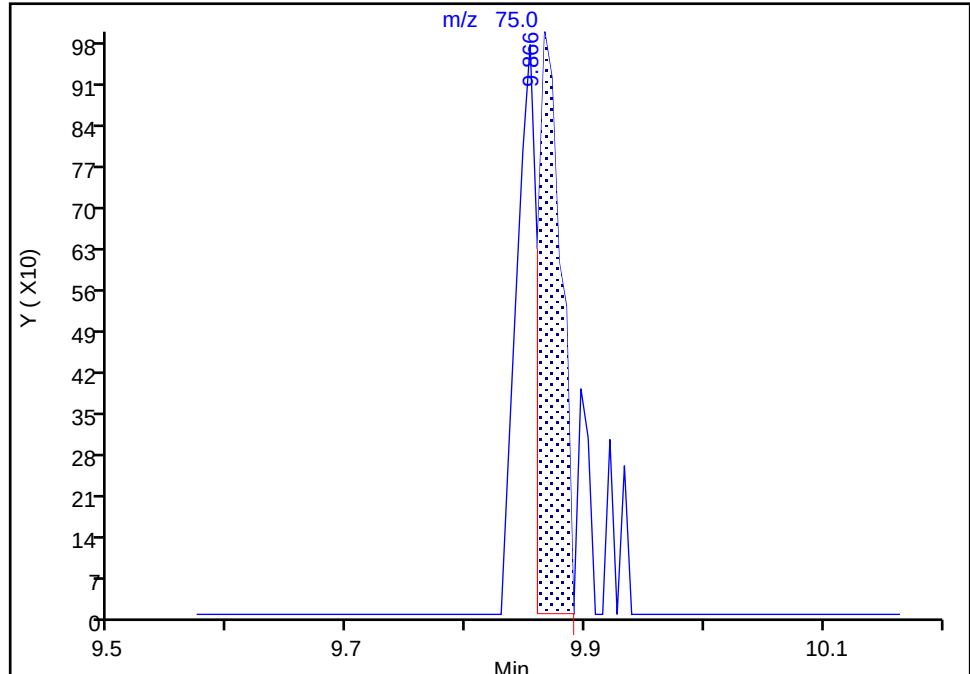
Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X13.D
Injection Date: 31-Mar-2025 16:13:30 Instrument ID: 19094
Lims ID: IC std2 0.06
Client ID:
Operator ID: ecr105096 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

85 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

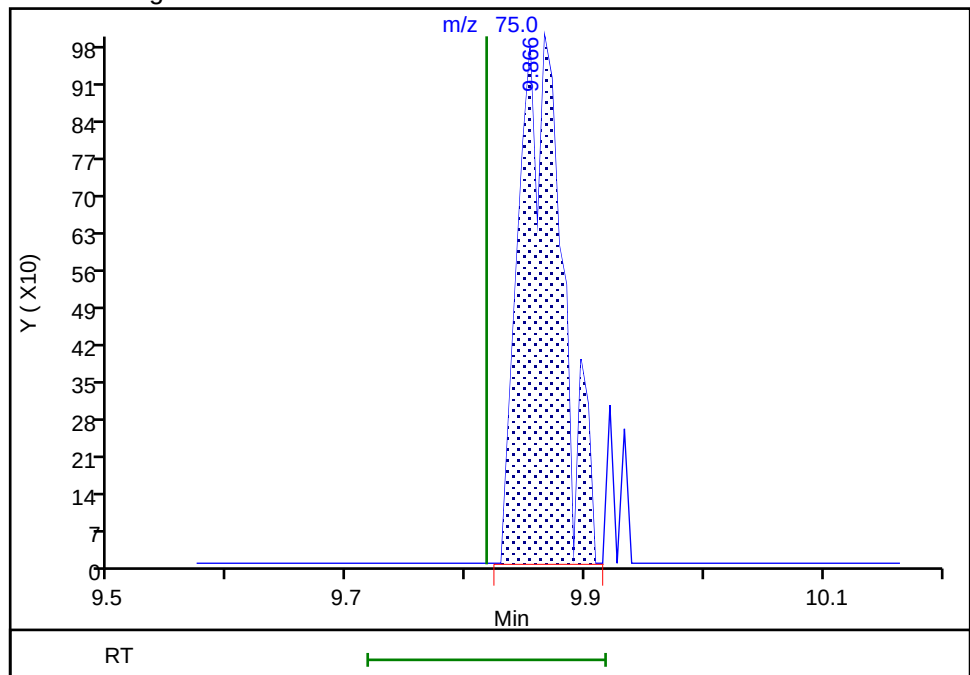
RT: 9.87
Area: 1346
Amount: 0.061247
Amount Units: ug/l

Processing Integration Results



RT: 9.87
Area: 2542
Amount: 0.043765
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:04:18 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

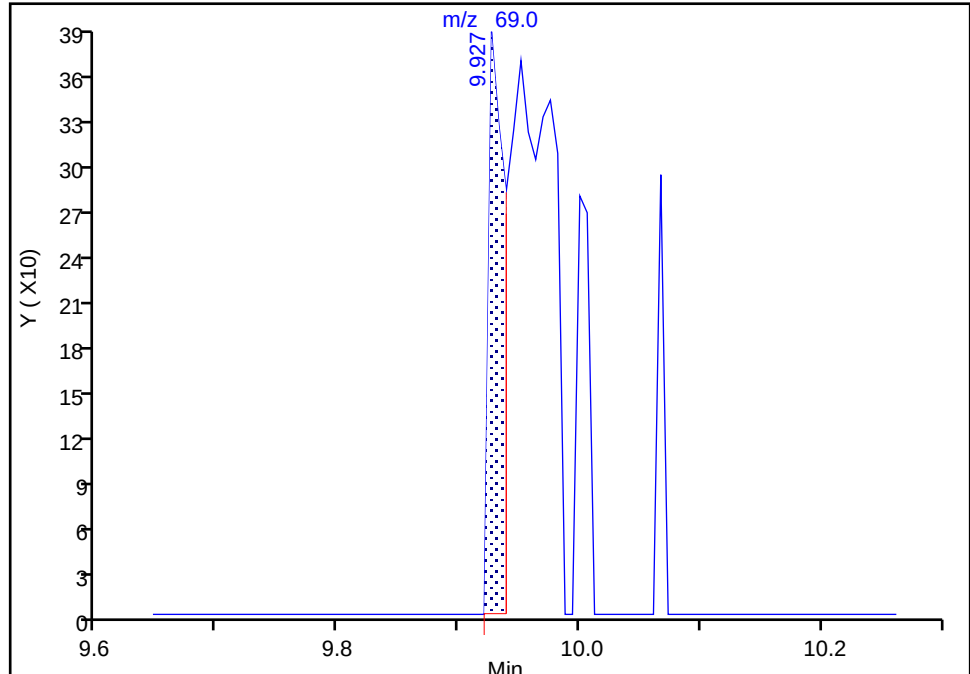
Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X13.D
Injection Date: 31-Mar-2025 16:13:30 Instrument ID: 19094
Lims ID: IC std2 0.06
Client ID:
Operator ID: ecr105096 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

104 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

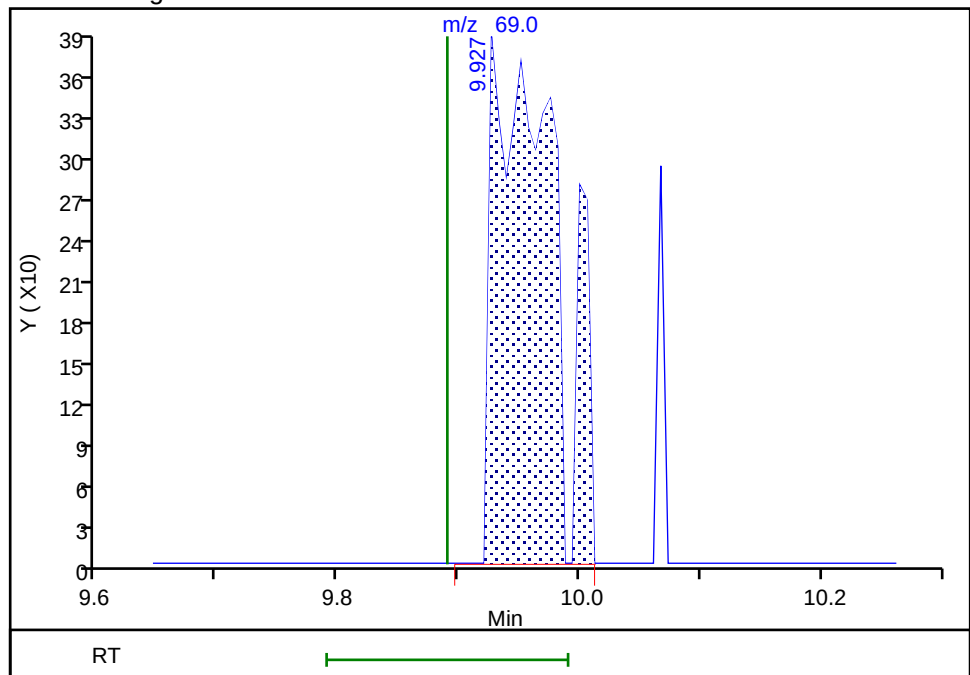
RT: 9.93
Area: 359
Amount: 0.062846
Amount Units: ug/l

Processing Integration Results



RT: 9.93
Area: 1386
Amount: 0.033708
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:04:24 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

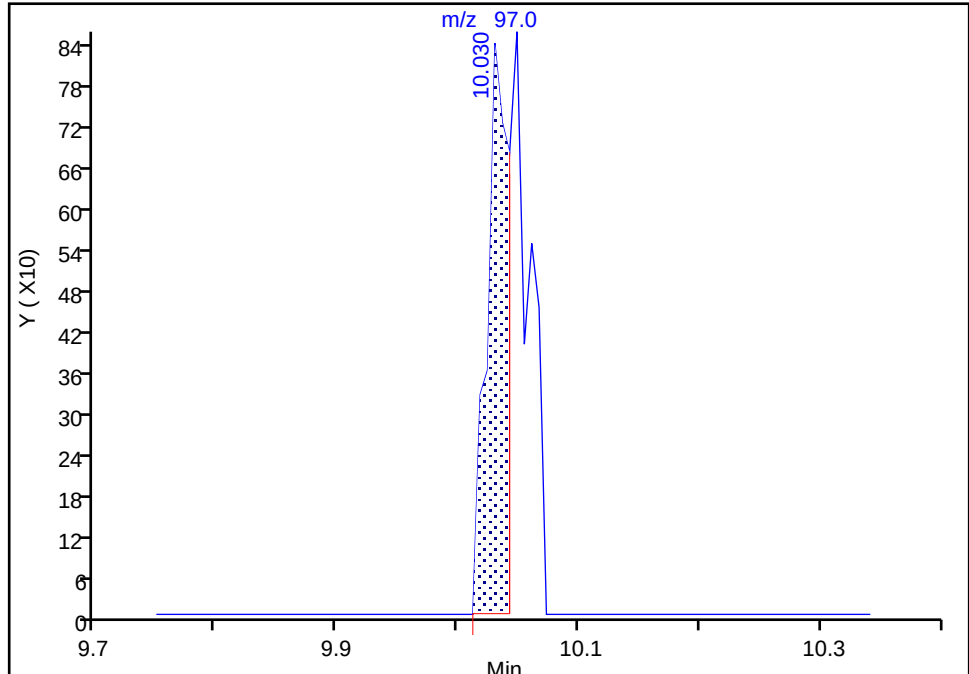
Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X13.D
Injection Date: 31-Mar-2025 16:13:30 Instrument ID: 19094
Lims ID: IC std2 0.06
Client ID:
Operator ID: ecr105096 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

106 1,1,2-Trichloroethane, CAS: 79-00-5

Signal: 1

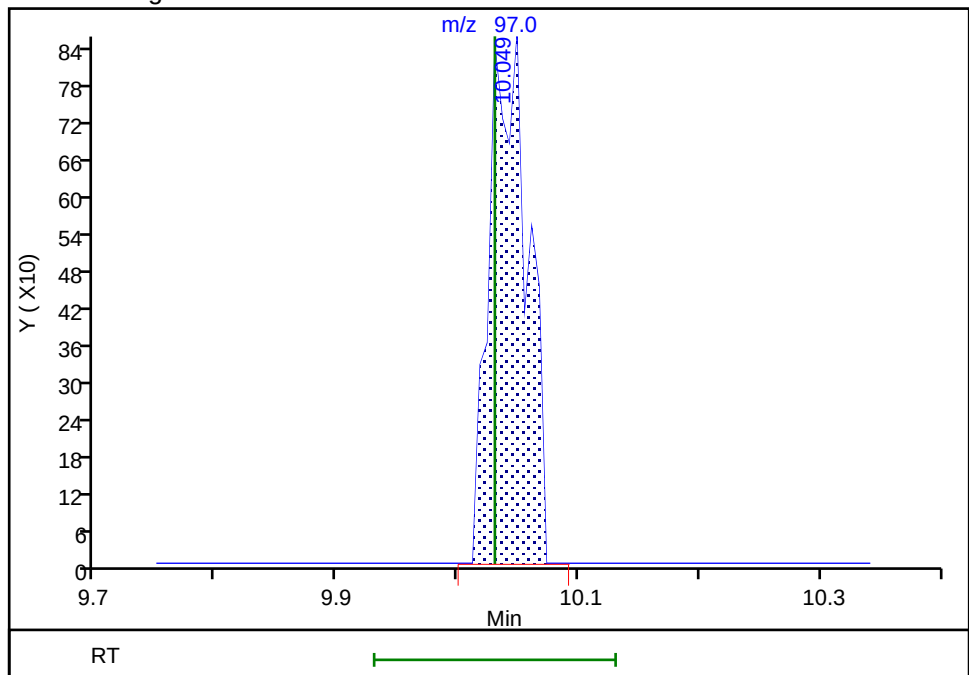
RT: 10.03
Area: 1069
Amount: 0.050296
Amount Units: ug/l

Processing Integration Results



RT: 10.05
Area: 1892
Amount: 0.059289
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:04:31 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

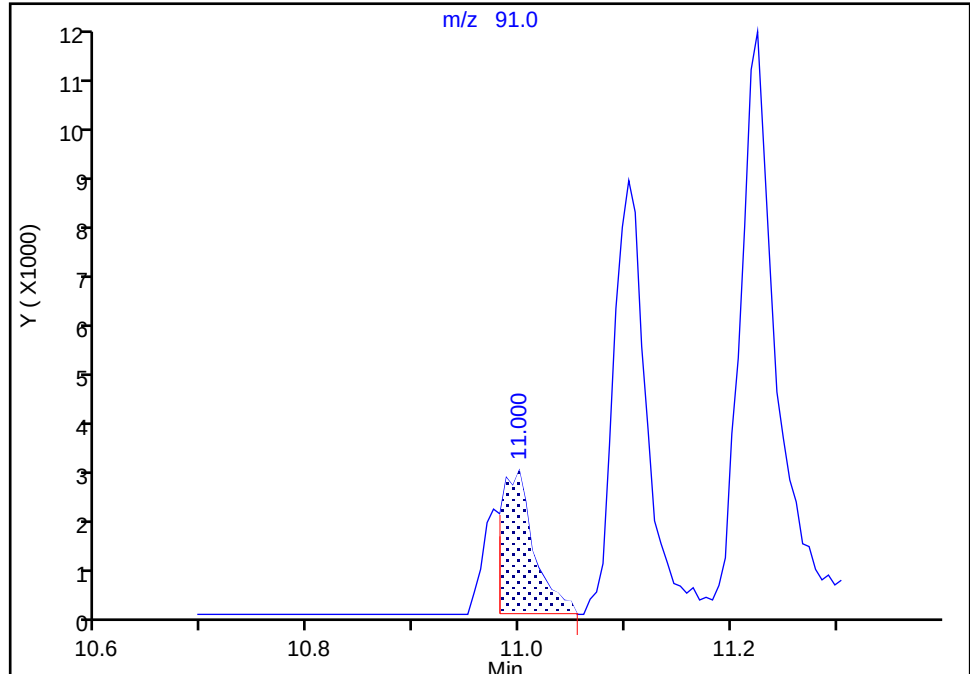
Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X13.D
Injection Date: 31-Mar-2025 16:13:30 Instrument ID: 19094
Lims ID: IC std2 0.06
Client ID:
Operator ID: ecr105096 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

114 1-Chlorohexane, CAS: 544-10-5

Signal: 1

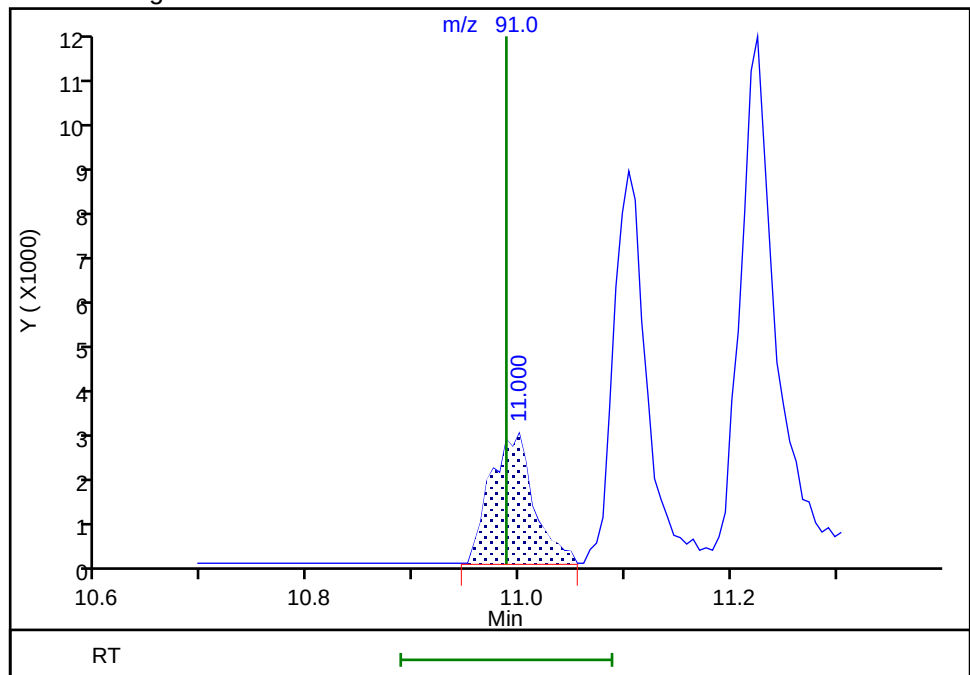
RT: 11.00
Area: 6147
Amount: 0.057828
Amount Units: ug/l

Processing Integration Results



RT: 11.00
Area: 8077
Amount: 0.088023
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:04:50 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

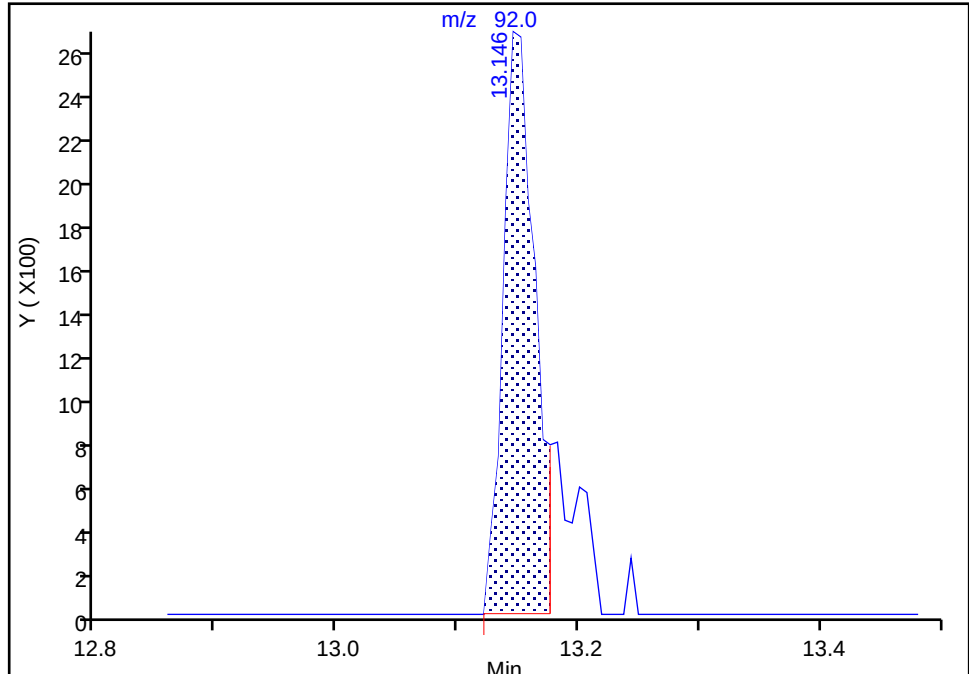
Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X13.D
Injection Date: 31-Mar-2025 16:13:30 Instrument ID: 19094
Lims ID: IC std2 0.06
Client ID:
Operator ID: ecr105096 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

146 n-Butylbenzene, CAS: 104-51-8

Signal: 1

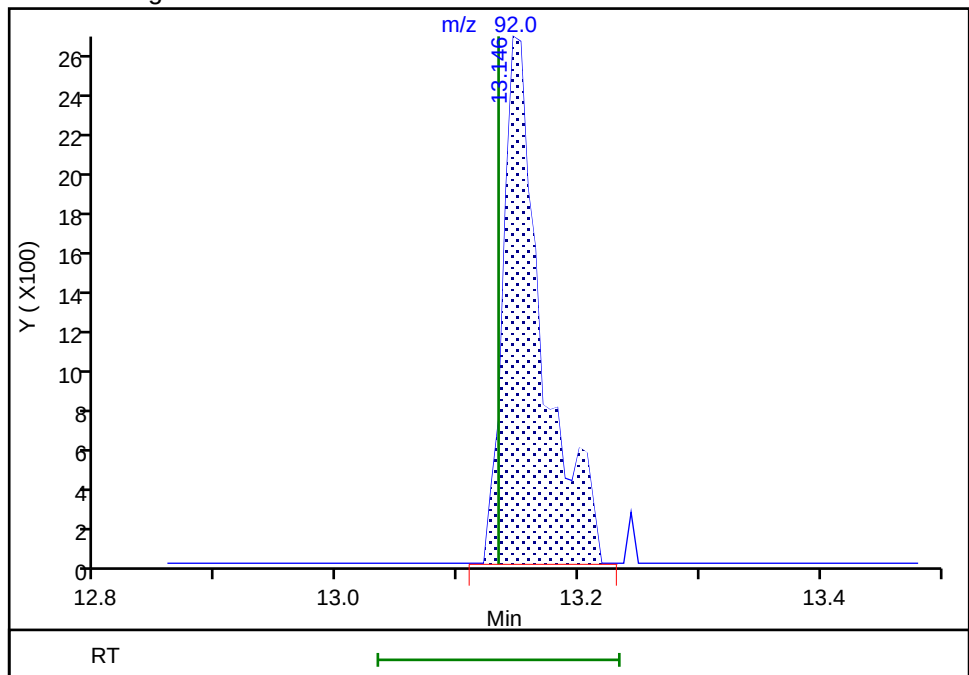
RT: 13.15
Area: 4880
Amount: 0.045943
Amount Units: ug/l

Processing Integration Results



RT: 13.15
Area: 5992
Amount: 0.055339
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:05:20 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

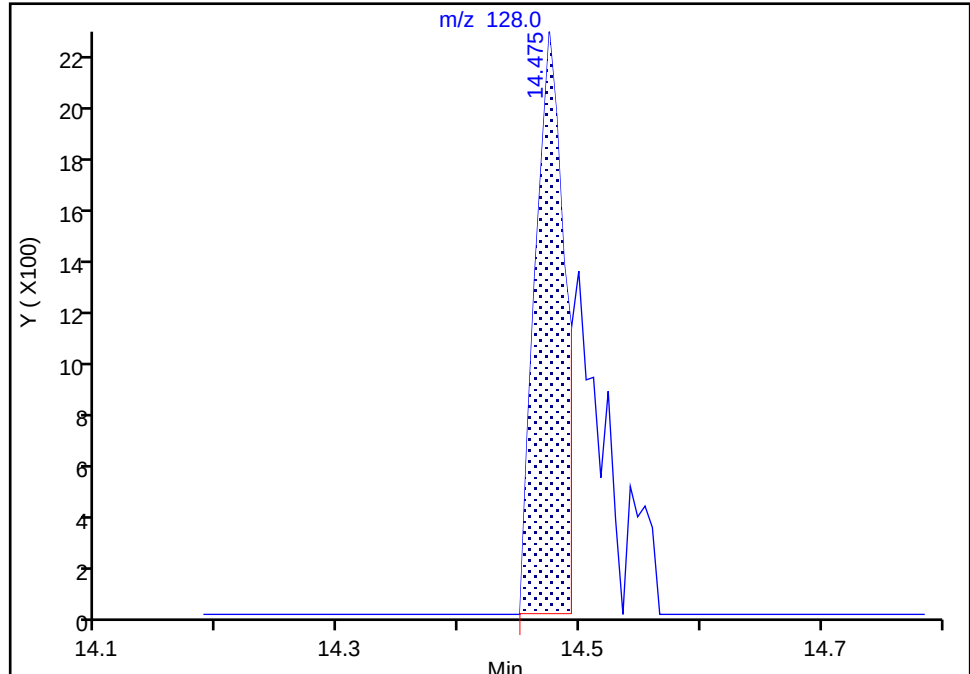
Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X13.D
Injection Date: 31-Mar-2025 16:13:30 Instrument ID: 19094
Lims ID: IC std2 0.06
Client ID:
Operator ID: ecr105096 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

153 Naphthalene, CAS: 91-20-3

Signal: 1

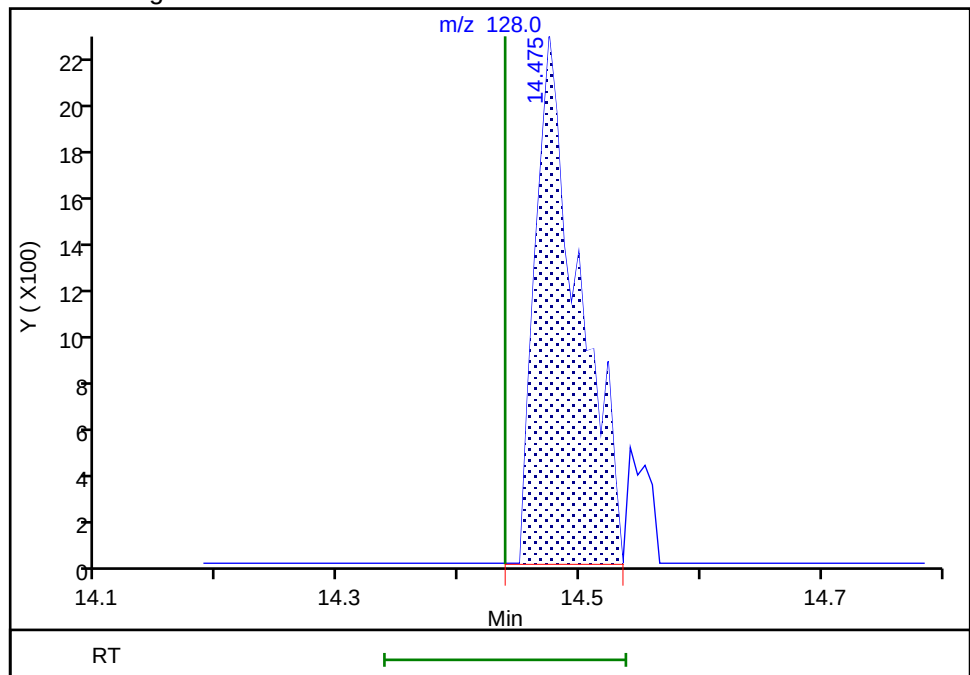
RT: 14.47
Area: 3868
Amount: 0.049931
Amount Units: ug/l

Processing Integration Results



RT: 14.47
Area: 5688
Amount: 0.054804
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:05:32 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X14.D
 Lims ID: IC std3 0.2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 31-Mar-2025 16:34:30 ALS Bottle#: 14 Worklist Smp#: 15
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0142485-015
 Misc. Info.: IC STD3 0.2
 Operator ID: ecr105096 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 12-Apr-2025 07:04:35 Calib Date: 31-Mar-2025 18:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1648

First Level Reviewer: N7YK

Date: 01-Apr-2025 16:08:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.843	1.843	0.000	98	15352	0.2000	0.2288	
5 Chloromethane	50	2.026	2.032	-0.006	98	20496	0.2000	0.2161	
7 Butadiene	39	2.123	2.129	-0.006	93	17886	0.2000	0.2084	
6 Vinyl chloride	62	2.129	2.142	-0.013	83	17554	0.2000	0.2123	
9 Bromomethane	94	2.422	2.422	0.000	79	11280	0.2000	0.2002	
10 Chloroethane	64	2.495	2.501	-0.006	98	9902	0.2000	0.2129	
11 Dichlorofluoromethane	67	2.715	2.721	-0.007	96	26365	0.2000	0.1987	
12 Trichlorofluoromethane	101	2.800	2.812	-0.012	51	20359	0.2000	0.2079	
14 Ethyl ether	59	3.001	3.001	0.000	89	6464	0.2000	0.1917	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.068	3.080	-0.012	91	15743	0.2000	0.2158	
16 Acrolein	56	3.172	3.160	0.012	98	36066	9.76	9.41	
17 1,1-Dichloroethene	96	3.275	3.288	-0.013	98	9738	0.2000	0.2079	
19 Acetone	43	3.330	3.312	0.018	20	7309	2.00	1.80	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.312	3.324	-0.012	46	10483	0.2000	0.2027	
21 Iodomethane	142	3.464	3.471	-0.007	98	18810	0.2000	0.2091	
22 Ethyl bromide	108	3.483	3.495	-0.012	50	8936	0.2003	0.2056	
23 Carbon disulfide	76	3.568	3.574	-0.006	98	29505	0.2000	0.1964	
24 Methyl acetate	43	3.763	3.690	0.073	30	2899	0.2000	0.6708	M
26 3-Chloro-1-propene	41	3.727	3.721	0.005	90	20336	0.2000	0.2078	
27 Methylene Chloride	84	3.891	3.885	0.006	91	10577	0.2000	0.2148	
* 28 t-Butyl alcohol-d10 (IS)	65	3.891	3.910	-0.019	91	55174	50.0	50.0	
29 2-Methyl-2-propanol	59	3.964	4.019	-0.055	28	3760	4.00	3.34	M
31 Acrylonitrile	53		4.221				ND	ND	
32 Methyl tert-butyl ether	73	4.257	4.269	-0.012	91	21433	0.2000	0.1968	
33 trans-1,2-Dichloroethene	96	4.281	4.281	0.000	96	10470	0.2000	0.1996	
34 Hexane	57	4.678	4.696	-0.018	93	15265	0.2000	0.1927	
36 1,1-Dichloroethane	63	4.927	4.928	-0.001	95	21337	0.2000	0.2035	
37 Isopropyl ether	45	4.982	4.989	-0.007	96	36695	0.2000	0.2028	
38 2-Chloro-1,3-butadiene	53	5.043	5.037	0.006	82	18123	0.2000	0.1969	
40 Tert-butyl ethyl ether	59	5.525	5.537	-0.012	98	33301	0.2000	0.2074	

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		5.732				ND	ND	
42 cis-1,2-Dichloroethene	96	5.775	5.769	0.006	82	11760	0.2000	0.1879	
43 2,2-Dichloropropane	77	5.781	5.787	-0.006	72	18433	0.2000	0.2112	
44 Propionitrile	54		5.836				ND	ND	
47 Methacrylonitrile	67	6.068	6.031	0.037	92	12373	2.00	3.64	
48 Chlorobromomethane	128	6.110	6.098	0.012	91	4306	0.2000	0.2002	
49 Tetrahydrofuran	71	6.128	6.123	0.005	41	1348	1.00	1.26	
S 46 1,2-Dichloroethene, Total	100				0			0.3875	
50 Chloroform	83	6.257	6.257	-0.001	93	19697	0.2000	0.2015	
\$ 52 Dibromofluoromethane (Surr)	113	6.470	6.476	-0.006	94	435083	10.0	9.91	
53 1,1,1-Trichloroethane	97	6.488	6.494	-0.006	66	18354	0.2000	0.2074	
54 Cyclohexane	56	6.592	6.598	-0.006	91	21980	0.2000	0.2147	
55 1,1-Dichloropropene	75	6.714	6.708	0.006	94	17042	0.2000	0.2015	
56 Carbon tetrachloride	117	6.714	6.714	0.000	88	15522	0.2000	0.1975	
57 Isobutyl alcohol	41	6.909	6.866	0.043	31	3103	10.0	8.22	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.933	6.933	0.000	80	76292	10.0	9.82	
59 Benzene	78	6.970	6.970	0.000	95	49092	0.2000	0.2021	
60 1,2-Dichloroethane	62	7.049	7.043	0.006	94	10681	0.2000	0.2097	
63 Tert-amyl methyl ether	73	7.183	7.177	0.006	98	25548	0.2000	0.1990	
* 64 Fluorobenzene (IS)	96	7.378	7.385	-0.007	99	2020747	10.0	10.0	
65 n-Heptane	43	7.409	7.409	0.000	91	14976	0.2000	0.1991	
67 n-Butanol	56		7.793				ND	ND	
68 Trichloroethene	95	7.890	7.878	0.012	96	12293	0.2000	0.1981	
69 Methylcyclohexane	83	8.195	8.195	0.000	93	21501	0.2000	0.2137	
70 1,2-Dichloropropane	63	8.207	8.208	-0.001	73	12539	0.2000	0.2144	
71 2-ethoxy-2-methyl butane	87	8.238	8.232	0.006	89	17071	0.2000	0.1938	
72 Methyl methacrylate	69	8.372	8.311	0.061	36	1991	0.2000	0.3943	
74 Dibromomethane	93	8.335	8.323	0.012	92	4381	0.2000	0.1997	M
73 1,4-Dioxane	88	8.232	8.329	-0.097	28	781	10.0	14.5	
76 Dichlorobromomethane	83	8.573	8.561	0.012	97	12743	0.2000	0.1970	
77 2-Nitropropane	41	8.841	8.835	0.006	97	7184	1.00	1.23	M
79 1-Bromo-2-chloroethane	63	8.982	8.963	0.019	94	10034	0.2000	0.1989	M
80 cis-1,3-Dichloropropene	75	9.158	9.134	0.024	96	15935	0.2000	0.1921	M
82 4-Methyl-2-pentanone (MIBK)	43	9.323	9.317	0.006	96	41612	2.00	1.76	
\$ 83 Toluene-d8 (Surr)	98	9.457	9.463	-0.006	94	1930506	10.0	9.91	
84 Toluene	92	9.542	9.543	-0.001	97	31315	0.2000	0.2050	
85 trans-1,3-Dichloropropene	75	9.841	9.817	0.024	95	10896	0.2000	0.1827	M
104 Ethyl methacrylate	69	9.920	9.890	0.030	88	7817	0.2000	0.1851	M
106 1,1,2-Trichloroethane	97	10.042	10.030	0.012	87	6284	0.2000	0.1917	
S 105 1,3-Dichloropropene, Total	100				0			0.3747	
107 Tetrachloroethene	166	10.122	10.116	0.006	97	13434	0.2000	0.1900	
108 1,3-Dichloropropane	76	10.213	10.195	0.018	91	10797	0.2000	0.1829	
109 2-Hexanone	43	10.286	10.250	0.036	97	17869	2.00	2.63	
111 Chlorodibromomethane	129	10.426	10.414	0.012	92	7621	0.2000	0.1878	
112 Ethylene Dibromide	107	10.542	10.530	0.012	95	5723	0.2000	0.1927	
* 113 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	86	1439661	10.0	10.0	
114 1-Chlorohexane	91	10.993	10.987	0.006	98	18845	0.2000	0.2000	
115 Chlorobenzene	112	10.999	11.000	-0.001	97	32803	0.2000	0.2011	
116 1,1,1,2-Tetrachloroethane	131	11.085	11.091	-0.006	93	11254	0.2000	0.2095	
117 Ethylbenzene	91	11.097	11.091	0.006	98	58178	0.2000	0.1948	
119 m-Xylene & p-Xylene	106	11.219	11.213	0.006	100	43832	0.4000	0.3917	
S 118 Xylenes, Total	106				0			0.5919	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 o-Xylene	106	11.548	11.548	0.000	97	21407	0.2000	0.2002	
121 Styrene	104	11.579	11.561	0.018	95	32013	0.2000	0.1952	
122 Bromoform	173	11.731	11.719	0.012	93	3964	0.2000	0.1765	
123 Isopropylbenzene	105	11.859	11.853	0.006	95	50504	0.2000	0.1956	
\$ 126 4-Bromofluorobenzene (Surr)	95	11.999	11.999	0.000	91	704022	10.0	9.87	
127 1,1,2,2-Tetrachloroethane	83		12.103				ND	ND	
128 Bromobenzene	156	12.115	12.115	0.000	95	12357	0.2000	0.1992	
129 trans-1,4-Dichloro-2-butene	53	12.140	12.128	0.012	91	16272	2.00	1.74	
130 1,2,3-Trichloropropane	110	12.152	12.146	0.006	73	1794	0.2000	0.1958	
131 N-Propylbenzene	91	12.188	12.188	0.000	99	64338	0.2000	0.1939	
132 2-Chlorotoluene	126	12.268	12.262	0.006	96	13293	0.2000	0.2011	
133 1,3,5-Trimethylbenzene	105	12.328	12.323	0.005	94	45181	0.2000	0.1942	
134 4-Chlorotoluene	126	12.365	12.353	0.012	96	13334	0.2000	0.1969	
135 tert-Butylbenzene	134	12.566	12.566	0.000	93	10587	0.2000	0.2024	
136 Pentachloroethane	167	12.603	12.597	0.006	80	6976	0.2000	0.1833	
137 1,2,4-Trimethylbenzene	105	12.615	12.609	0.006	97	46308	0.2000	0.1944	
138 sec-Butylbenzene	105	12.737	12.731	0.006	94	54697	0.2000	0.1895	
139 1,3-Dichlorobenzene	146	12.841	12.829	0.012	97	23541	0.2000	0.1928	
140 4-Isopropyltoluene	119	12.847	12.841	0.006	97	46996	0.2000	0.1920	
* 141 1,4-Dichlorobenzene-d4	152	12.889	12.890	-0.001	95	765014	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.908	12.908	0.000	93	24433	0.2000	0.1882	
143 1,2,3-Trimethylbenzene	120	12.920	12.914	0.006	98	21394	0.2000	0.1975	
144 Benzyl chloride	126	12.993	12.981	0.012	98	2626	0.2000	0.1755	
145 p-Diethylbenzene	119	13.121	13.115	0.006	94	25911	0.2000	0.1841	
146 n-Butylbenzene	92	13.139	13.133	0.006	97	17458	0.2000	0.1582	
147 1,2-Dichlorobenzene	146	13.170	13.164	0.006	97	21085	0.2000	0.1999	
149 1,2-Dibromo-3-Chloropropane	155	13.725	13.713	0.012	77	447	0.2000	0.1963	
150 1,3,5-Trichlorobenzene	180	13.853	13.841	0.012	97	16288	0.2000	0.1849	
151 1,2,4-Trichlorobenzene	180	14.273	14.261	0.012	91	12635	0.2000	0.1915	
152 Hexachlorobutadiene	225	14.346	14.347	-0.001	94	5339	0.2000	0.1687	
153 Naphthalene	128	14.462	14.438	0.024	96	18225	0.2000	0.1723	
154 1,2,3-Trichlorobenzene	180	14.590	14.584	0.006	93	9871	0.2000	0.1718	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00163

Amount Added: 2.00

Units: uL

MSV_LL_GAS826_00264

Amount Added: 2.00

Units: uL

MSV_LL_#2_826_00174

Amount Added: 2.00

Units: uL

MSV_LLcentISS_00016

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 12-Apr-2025 07:04:36

Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X14.D

Injection Date: 31-Mar-2025 16:34:30

Instrument ID: 19094

Operator ID: ecr105096

Lims ID: IC std3 0.2

Worklist Smp#: 15

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

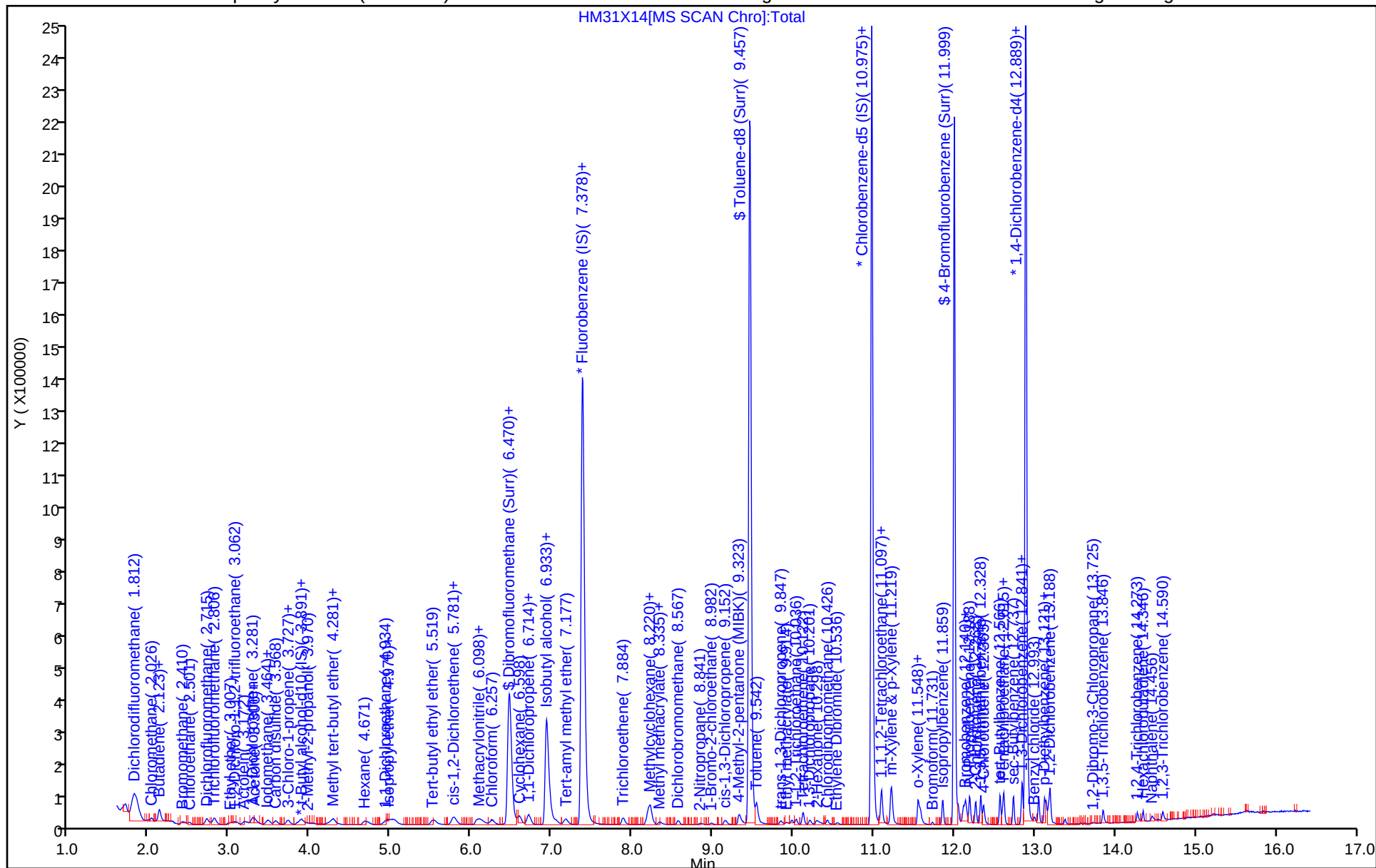
ALS Bottle#: 14

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

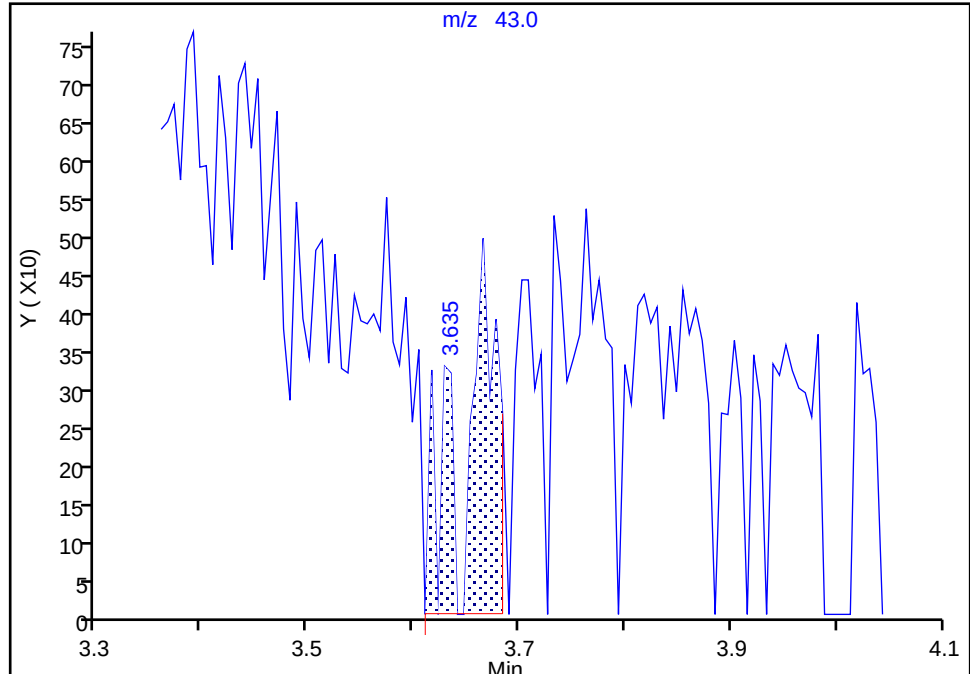
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Lims ID: IC std3 0.2
Client ID:
Operator ID: ecr105096 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

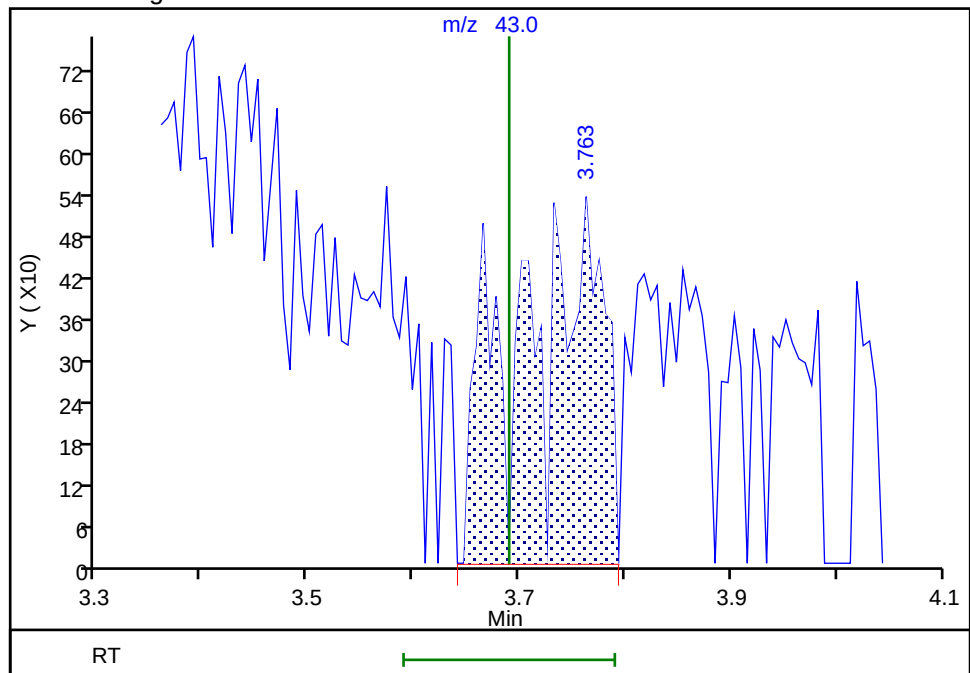
RT: 3.64
Area: 1090
Amount: 0.116639
Amount Units: ug/l

Processing Integration Results



RT: 3.76
Area: 2899
Amount: 0.670764
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:06:31 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

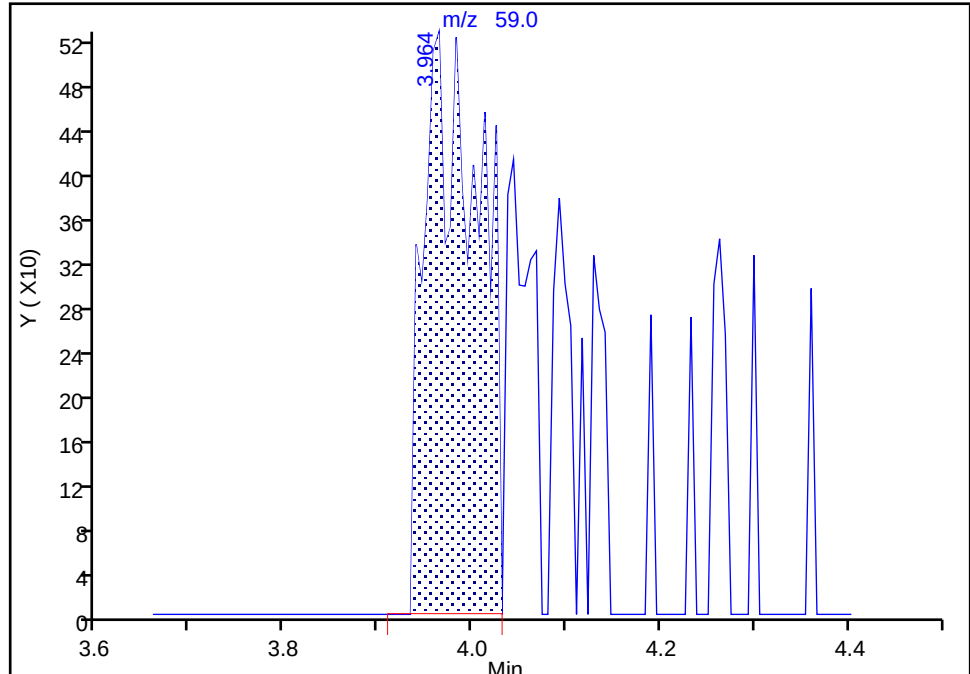
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Lims ID: IC std3 0.2
Client ID:
Operator ID: ecr105096 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

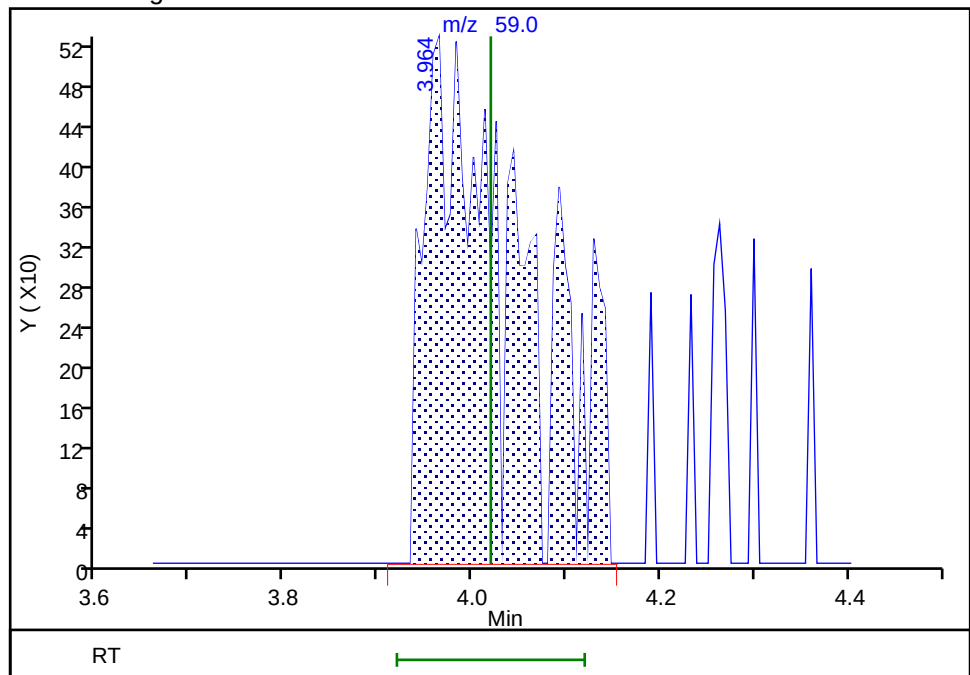
RT: 3.96
Area: 2155
Amount: 2.283836
Amount Units: ug/l

Processing Integration Results



RT: 3.96
Area: 3760
Amount: 3.342972
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:06:43 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

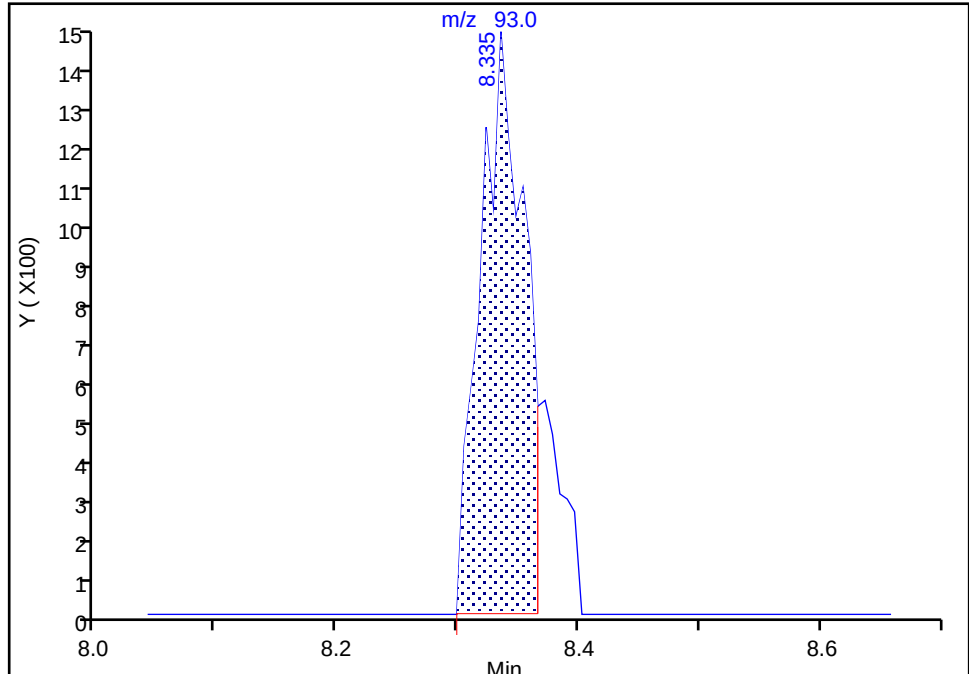
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Lims ID: IC std3 0.2
Client ID:
Operator ID: ecr105096 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

74 Dibromomethane, CAS: 74-95-3

Signal: 1

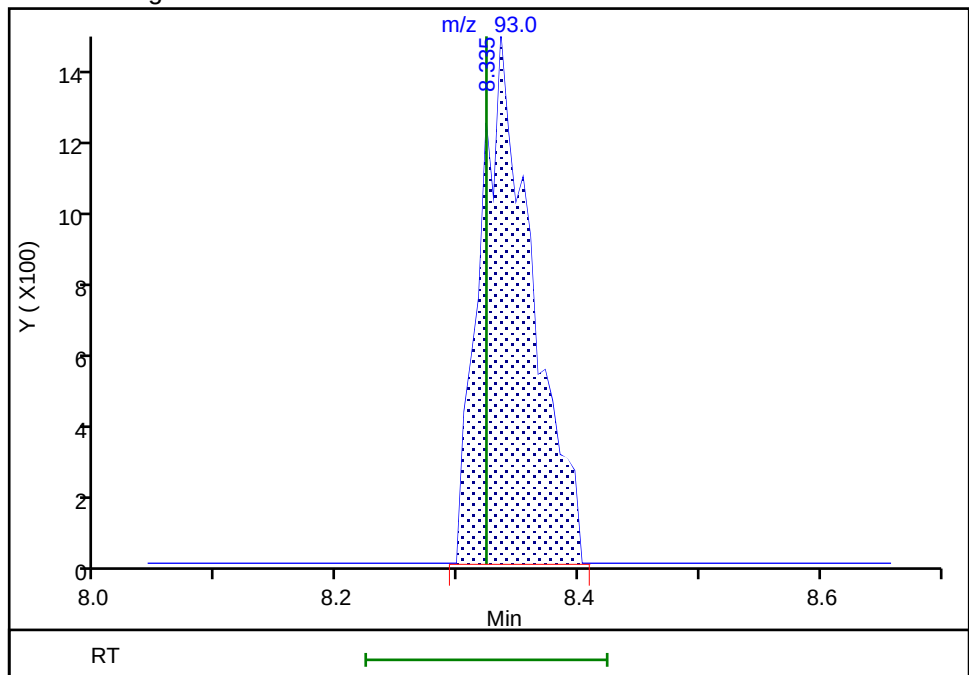
RT: 8.34
Area: 3708
Amount: 0.221826
Amount Units: ug/l

Processing Integration Results



RT: 8.34
Area: 4381
Amount: 0.199741
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:07:26 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

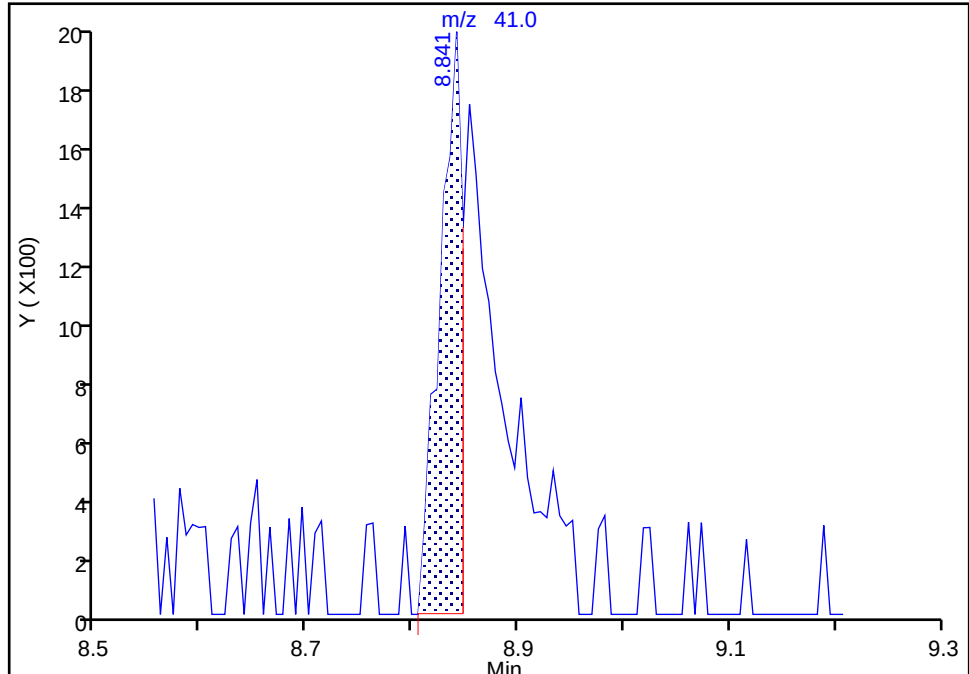
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Injection Date: 31-Mar-2025 16:34:30 Instrument ID: 19094
Lims ID: IC std3 0.2
Client ID:
Operator ID: ecr105096 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

77 2-Nitropropane, CAS: 79-46-9

Signal: 1

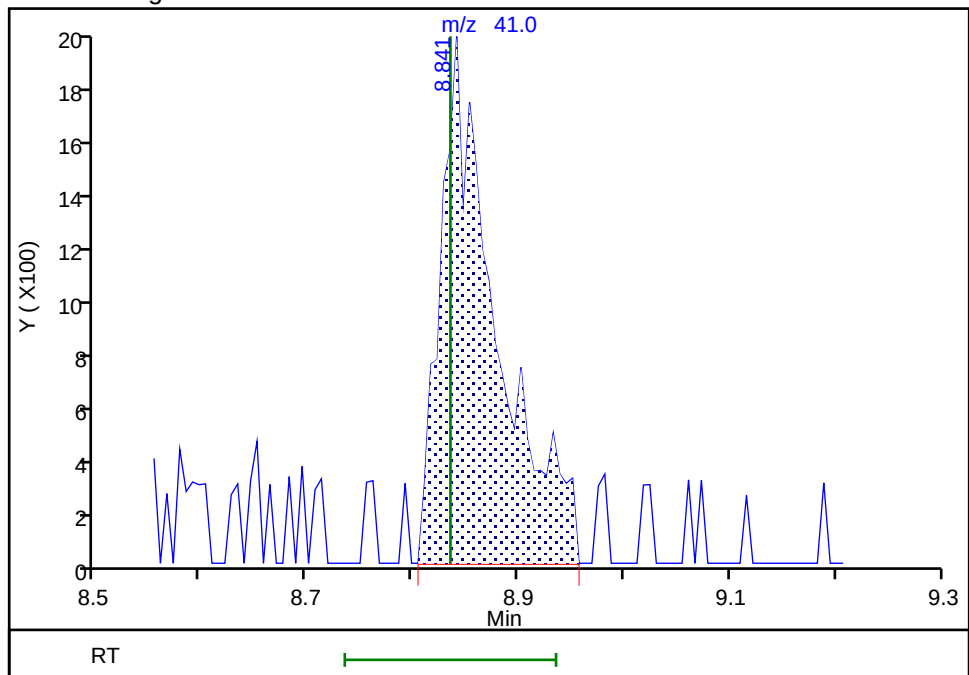
RT: 8.84
Area: 2928
Amount: 0.610855
Amount Units: ug/l

Processing Integration Results



RT: 8.84
Area: 7184
Amount: 1.233945
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:07:32 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

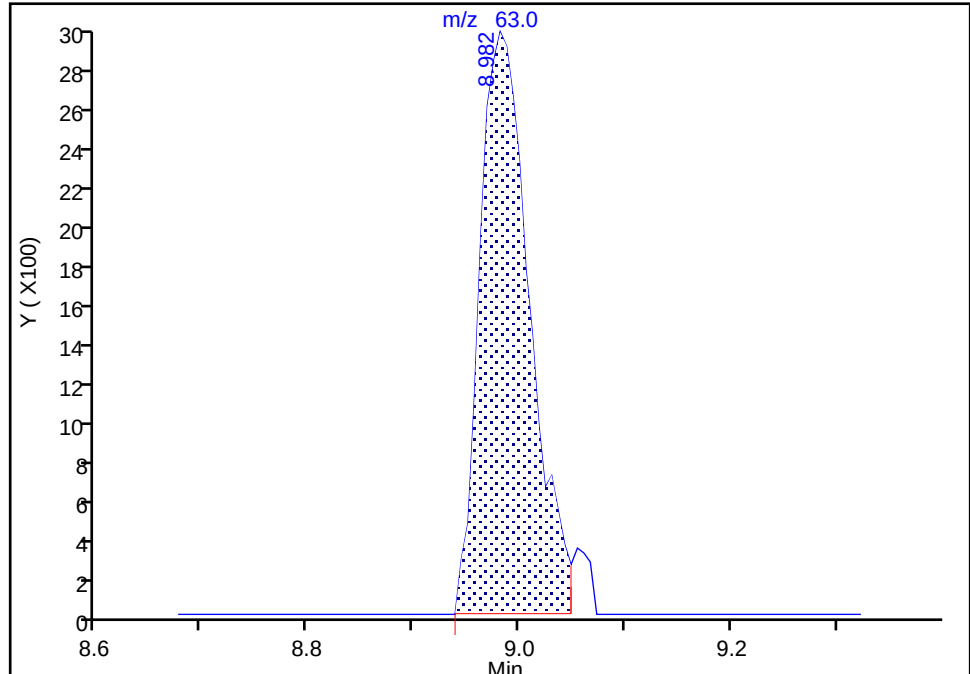
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Injection Date: 31-Mar-2025 16:34:30 Instrument ID: 19094
Lims ID: IC std3 0.2
Client ID:
Operator ID: ecr105096 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

79 1-Bromo-2-chloroethane, CAS: 107-04-0

Signal: 1

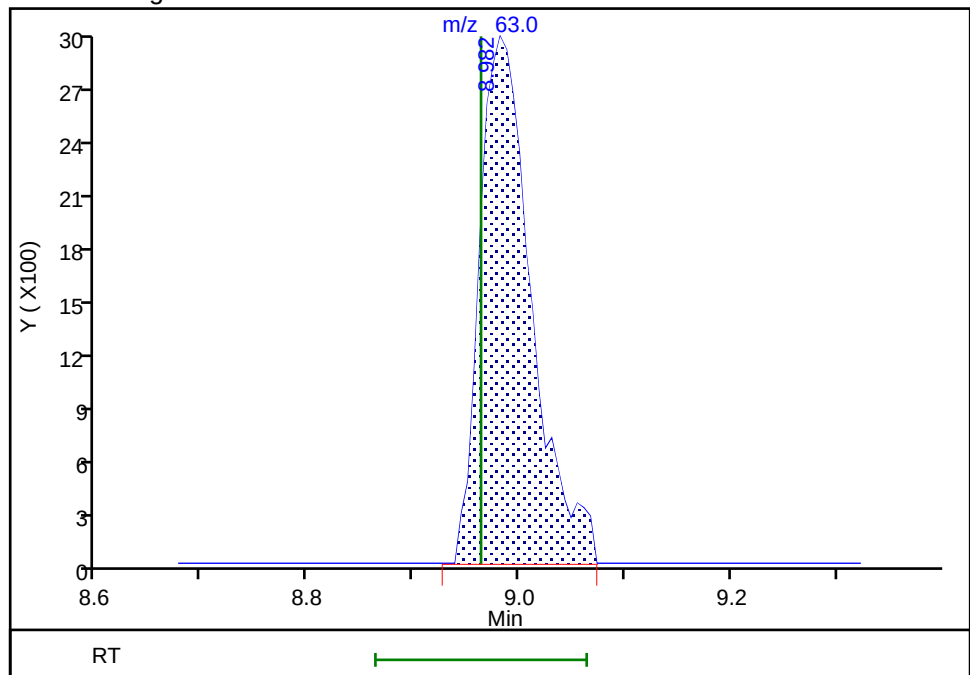
RT: 8.98
Area: 9701
Amount: 0.193135
Amount Units: ug/l

Processing Integration Results



RT: 8.98
Area: 10034
Amount: 0.198941
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:07:40 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

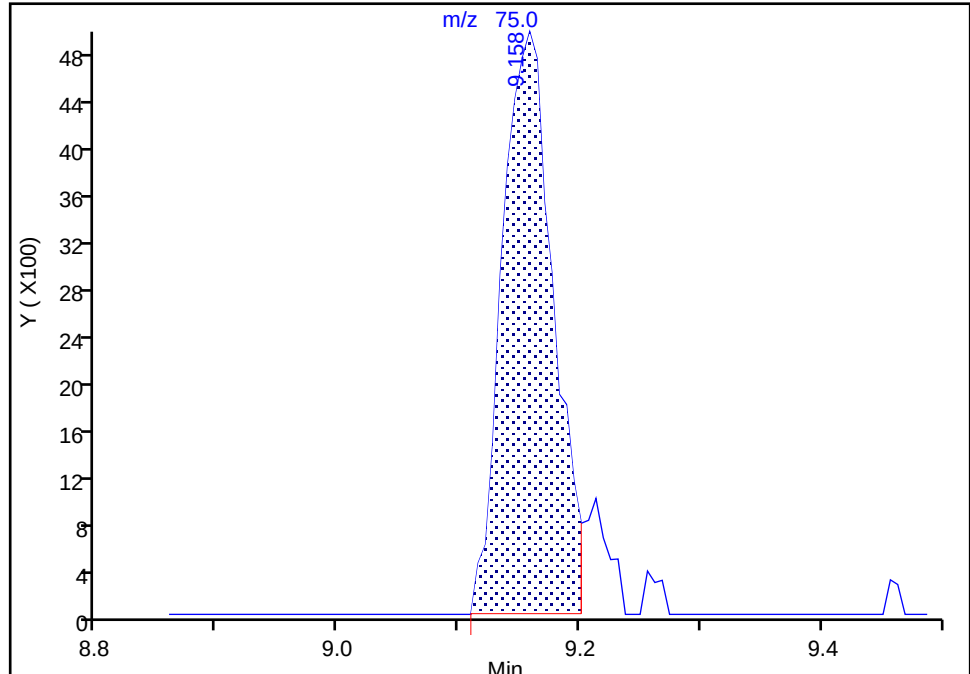
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Lims ID: IC std3 0.2
Client ID:
Operator ID: ecr105096 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

80 cis-1,3-Dichloropropene, CAS: 10061-01-5

Signal: 1

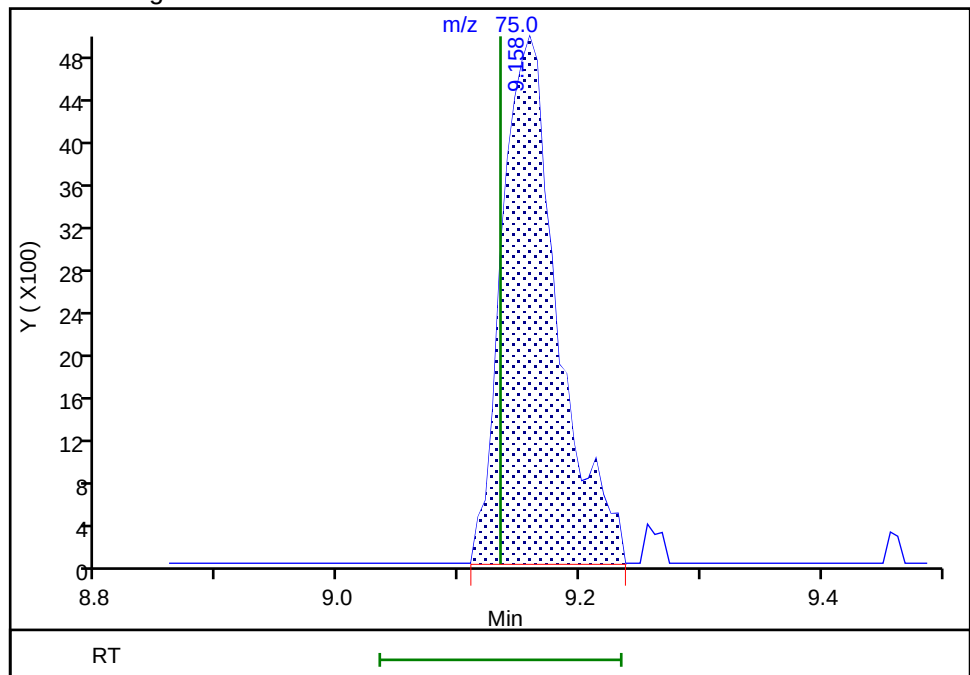
RT: 9.16
Area: 14695
Amount: 0.185485
Amount Units: ug/l

Processing Integration Results



RT: 9.16
Area: 15935
Amount: 0.192051
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:07:45 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

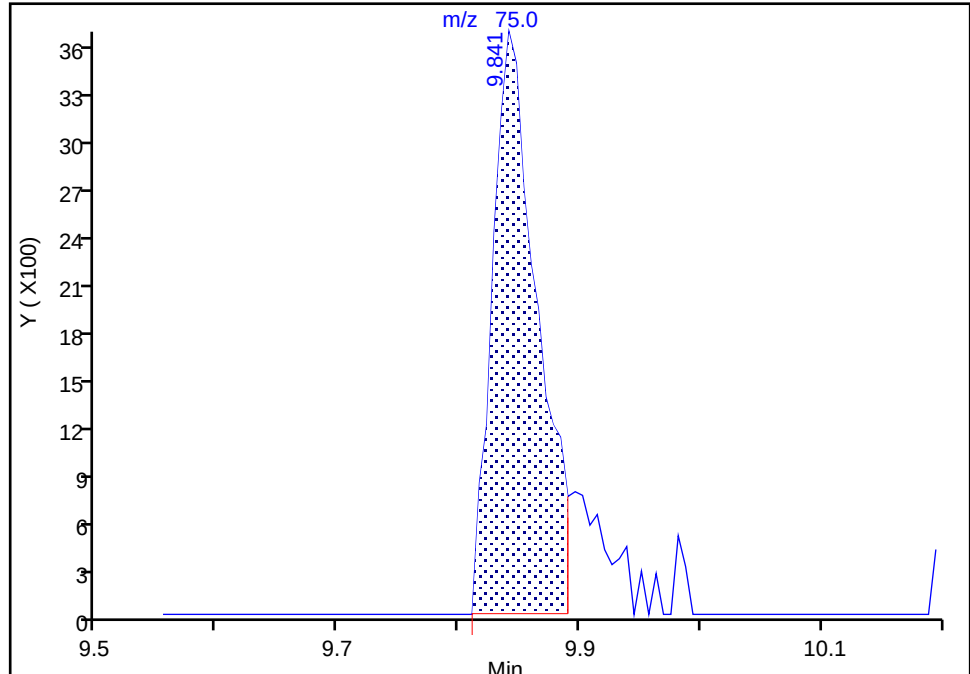
Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X14.D
Injection Date: 31-Mar-2025 16:34:30 Instrument ID: 19094
Lims ID: IC std3 0.2
Client ID:
Operator ID: ecr105096 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

85 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

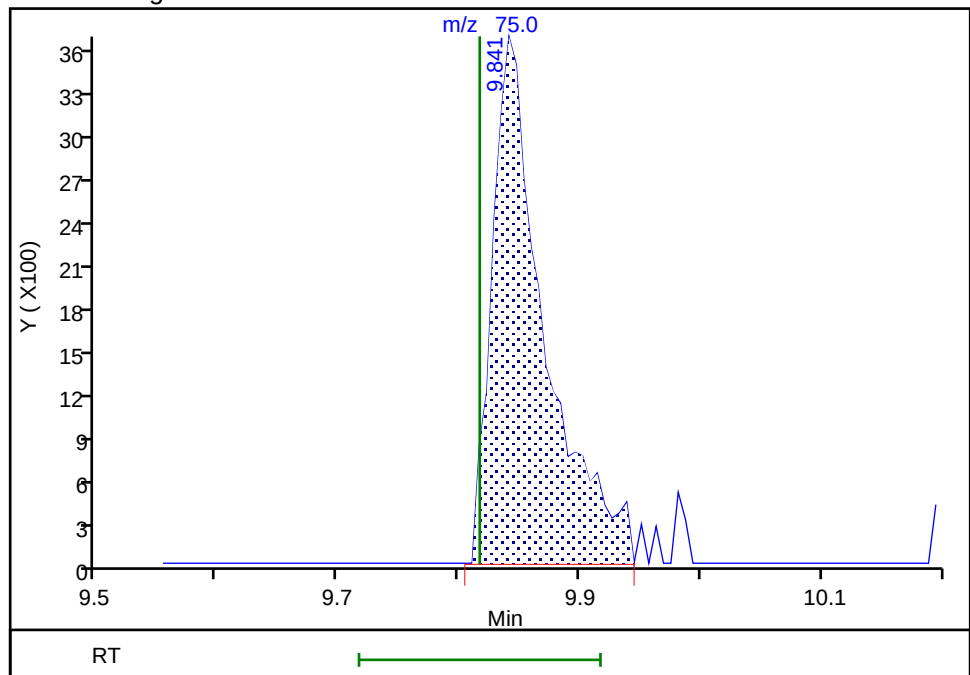
RT: 9.84
Area: 9377
Amount: 0.159732
Amount Units: ug/l

Processing Integration Results



RT: 9.84
Area: 10896
Amount: 0.182653
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:07:53 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

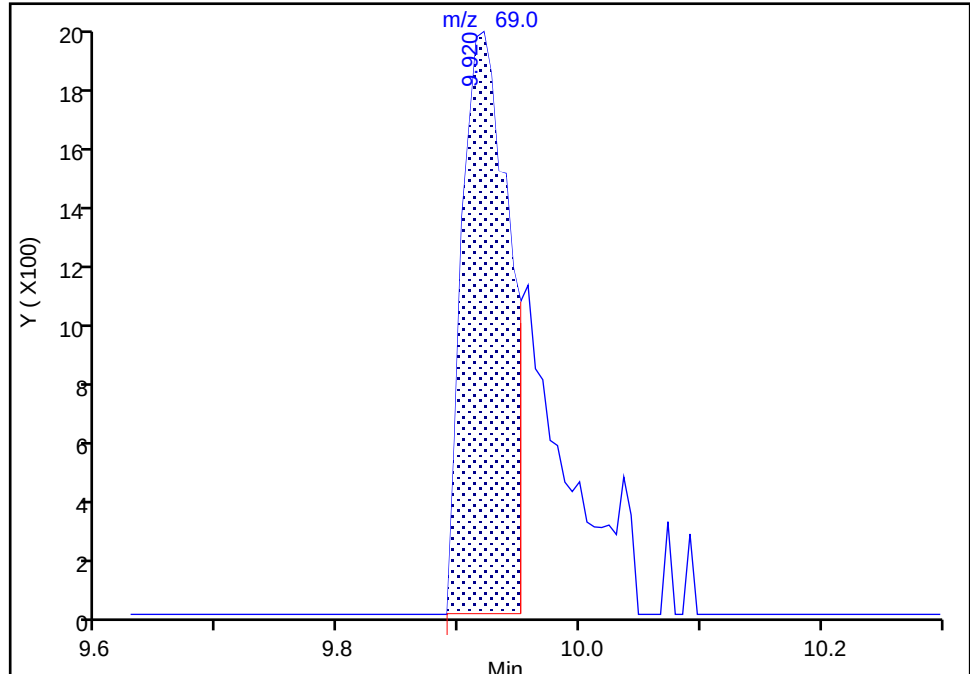
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Injection Date: 31-Mar-2025 16:34:30 Instrument ID: 19094
Lims ID: IC std3 0.2
Client ID:
Operator ID: ecr105096 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

104 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

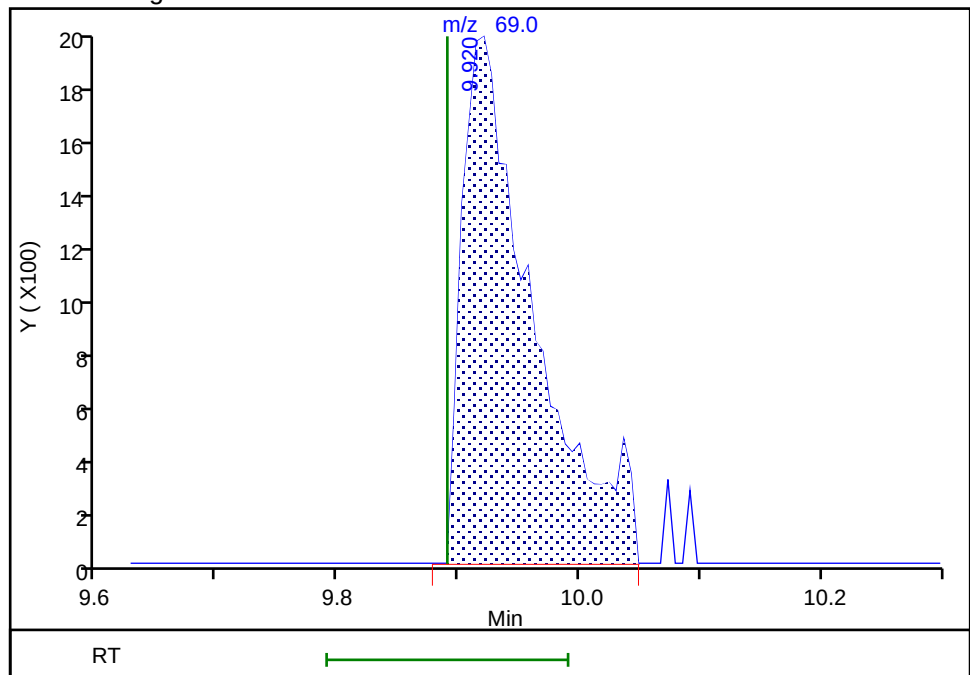
RT: 9.92
Area: 5162
Amount: 0.156650
Amount Units: ug/l

Processing Integration Results



RT: 9.92
Area: 7817
Amount: 0.185103
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:07:58 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X15.D
 Lims ID: IC std4 0.5
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 31-Mar-2025 16:54:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0142485-016
 Misc. Info.: IC STD4 0.5
 Operator ID: ecr105096 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 12-Apr-2025 07:04:50 Calib Date: 31-Mar-2025 18:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1648

First Level Reviewer: N7YK

Date: 01-Apr-2025 16:11:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.843	1.843	0.000	99	36910	0.5000	0.5503	
5 Chloromethane	50	2.038	2.032	0.006	99	43310	0.5000	0.4569	
7 Butadiene	39	2.129	2.129	0.000	92	45061	0.5000	0.5253	
6 Vinyl chloride	62	2.142	2.142	0.000	98	42493	0.5000	0.5142	
9 Bromomethane	94	2.428	2.422	0.006	91	29377	0.5000	0.5217	
10 Chloroethane	64	2.507	2.501	0.006	100	24185	0.5000	0.5203	
11 Dichlorofluoromethane	67	2.721	2.721	0.000	97	65964	0.5000	0.4973	
12 Trichlorofluoromethane	101	2.824	2.812	0.012	49	50165	0.5000	0.5125	
14 Ethyl ether	59	2.995	3.001	-0.006	73	17447	0.5000	0.5175	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.087	3.080	0.007	93	38612	0.5000	0.5295	
16 Acrolein	56	3.178	3.160	0.018	98	111531	24.4	25.8	
17 1,1-Dichloroethene	96	3.294	3.288	0.006	98	25221	0.5000	0.5387	
19 Acetone	43	3.367	3.312	0.055	75	23710	5.00	5.19	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.318	3.324	-0.006	93	27678	0.5000	0.5353	
21 Iodomethane	142	3.477	3.471	0.006	98	49252	0.5000	0.5476	
22 Ethyl bromide	108	3.495	3.495	0.000	97	21688	0.5008	0.4991	
23 Carbon disulfide	76	3.574	3.574	0.000	99	74928	0.5000	0.4989	
24 Methyl acetate	43	3.721	3.690	0.031	22	2639	0.5000	0.6296	
26 3-Chloro-1-propene	41	3.721	3.721	0.000	91	50301	0.5000	0.5142	
27 Methylene Chloride	84	3.891	3.885	0.006	93	27565	0.5000	0.5600	
* 28 t-Butyl alcohol-d10 (IS)	65	3.922	3.910	0.012	93	62232	50.0	50.0	
29 2-Methyl-2-propanol	59	4.031	4.019	0.012	54	15367	10.0	12.1	
31 Acrylonitrile	53	4.324	4.221	0.104	1	1182	1.25	1.69	
32 Methyl tert-butyl ether	73	4.275	4.269	0.006	94	57929	0.5000	0.5321	
33 trans-1,2-Dichloroethene	96	4.288	4.281	0.007	98	28213	0.5000	0.5380	
34 Hexane	57	4.690	4.696	-0.006	93	40876	0.5000	0.5163	
36 1,1-Dichloroethane	63	4.928	4.928	0.000	96	55440	0.5000	0.5290	
37 Isopropyl ether	45	4.995	4.989	0.006	96	96920	0.5000	0.5358	
38 2-Chloro-1,3-butadiene	53	5.050	5.037	0.013	91	46842	0.5000	0.5091	
40 Tert-butyl ethyl ether	59	5.531	5.537	-0.006	99	87709	0.5000	0.5466	

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	5.787	5.732	0.055	52	32069	5.00	3.71	
42 cis-1,2-Dichloroethene	96	5.769	5.769	0.000	83	32713	0.5000	0.5229	
43 2,2-Dichloropropane	77	5.787	5.787	0.000	71	47516	0.5000	0.5445	
44 Propionitrile	54	5.915	5.836	0.079	29	17124	10.0	8.36	M
47 Methacrylonitrile	67	6.055	6.031	0.024	92	48226	5.00	6.36	
48 Chlorobromomethane	128	6.110	6.098	0.012	95	12240	0.5000	0.5693	
49 Tetrahydrofuran	71	6.153	6.123	0.030	55	5397	2.50	2.52	
S 46 1,2-Dichloroethene, Total	100				0			1.06	
50 Chloroform	83	6.263	6.257	0.006	93	53382	0.5000	0.5463	
\$ 52 Dibromofluoromethane (Surr)	113	6.476	6.476	0.000	94	443393	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.488	6.494	-0.006	97	47209	0.5000	0.5336	
54 Cyclohexane	56	6.598	6.598	0.000	92	56222	0.5000	0.5493	
55 1,1-Dichloropropene	75	6.720	6.708	0.012	95	43771	0.5000	0.5178	
56 Carbon tetrachloride	117	6.714	6.714	0.000	86	39525	0.5000	0.5031	
57 Isobutyl alcohol	41	6.903	6.866	0.037	31	9339	25.0	21.9	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.939	6.933	0.006	81	77906	10.0	10.0	
59 Benzene	78	6.976	6.970	0.006	95	129223	0.5000	0.5322	
60 1,2-Dichloroethane	62	7.049	7.043	0.006	96	27093	0.5000	0.5321	
63 Tert-amyl methyl ether	73	7.177	7.177	0.000	98	67292	0.5000	0.5243	
* 64 Fluorobenzene (IS)	96	7.385	7.385	-0.001	99	2019903	10.0	10.0	
65 n-Heptane	43	7.409	7.409	0.000	86	34859	0.5000	0.4636	
67 n-Butanol	56	8.006	7.793	0.213	31	6930	43.8	39.2	M
68 Trichloroethene	95	7.884	7.878	0.006	98	31039	0.5000	0.5005	
69 Methylcyclohexane	83	8.189	8.195	-0.006	93	52911	0.5000	0.5260	
70 1,2-Dichloropropane	63	8.220	8.208	0.012	96	31620	0.5000	0.5409	
71 2-ethoxy-2-methyl butane	87	8.232	8.232	0.000	92	46511	0.5000	0.5281	
72 Methyl methacrylate	69	8.342	8.311	0.031	64	9159	0.5000	0.6509	
74 Dibromomethane	93	8.329	8.323	0.006	95	11565	0.5000	0.5275	
73 1,4-Dioxane	88	8.238	8.329	-0.091	28	2387	25.0	39.4	
76 Dichlorobromomethane	83	8.567	8.561	0.006	98	34291	0.5000	0.5303	
77 2-Nitropropane	41	8.848	8.835	0.013	97	14974	2.50	2.28	
79 1-Bromo-2-chloroethane	63	8.976	8.963	0.013	98	25518	0.5000	0.5061	
80 cis-1,3-Dichloropropene	75	9.152	9.134	0.018	96	40167	0.5000	0.4843	
82 4-Methyl-2-pentanone (MIBK)	43	9.323	9.317	0.006	97	125111	5.00	4.70	
\$ 83 Toluene-d8 (Surr)	98	9.463	9.463	0.000	93	1948431	10.0	9.95	
84 Toluene	92	9.543	9.543	0.000	98	79203	0.5000	0.5159	
85 trans-1,3-Dichloropropene	75	9.829	9.817	0.012	93	30411	0.5000	0.5073	
104 Ethyl methacrylate	69	9.902	9.890	0.012	89	21711	0.5000	0.5116	
106 1,1,2-Trichloroethane	97	10.030	10.030	0.000	89	17301	0.5000	0.5253	
S 105 1,3-Dichloropropene, Total	100				0			0.99	
107 Tetrachloroethene	166	10.122	10.116	0.006	97	34802	0.5000	0.4898	
108 1,3-Dichloropropane	76	10.201	10.195	0.006	92	30609	0.5000	0.5159	
109 2-Hexanone	43	10.268	10.250	0.018	96	67212	5.00	4.92	
111 Chlorodibromomethane	129	10.420	10.414	0.006	90	21635	0.5000	0.5306	
112 Ethylene Dibromide	107	10.536	10.530	0.006	98	15489	0.5000	0.5191	
* 113 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	86	1446725	10.0	10.0	
114 1-Chlorohexane	91	10.994	10.987	0.007	97	43721	0.5000	0.4617	
115 Chlorobenzene	112	11.006	11.000	0.006	95	85184	0.5000	0.5198	
116 1,1,1,2-Tetrachloroethane	131	11.091	11.091	0.000	95	28384	0.5000	0.5258	
117 Ethylbenzene	91	11.097	11.091	0.006	99	154225	0.5000	0.5138	
119 m-Xylene & p-Xylene	106	11.219	11.213	0.006	100	117872	1.00	1.05	
S 118 Xylenes, Total	106				0			1.59	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 o-Xylene	106	11.548	11.548	0.000	97	58043	0.5000	0.5401	
121 Styrene	104	11.567	11.561	0.006	94	86179	0.5000	0.5229	
122 Bromoform	173	11.725	11.719	0.006	96	12140	0.5000	0.5380	
123 Isopropylbenzene	105	11.853	11.853	0.000	96	134290	0.5000	0.5176	
\$ 126 4-Bromofluorobenzene (Surr)	95	11.999	11.999	0.000	90	722114	10.0	10.1	
127 1,1,2,2-Tetrachloroethane	83	12.103	12.103	0.000	92	20554	0.5000	0.5432	
128 Bromobenzene	156	12.115	12.115	0.000	94	33220	0.5000	0.5326	
129 trans-1,4-Dichloro-2-butene	53	12.134	12.128	0.006	94	48024	5.00	4.55	
130 1,2,3-Trichloropropane	110	12.152	12.146	0.006	75	5101	0.5000	0.5539	
131 N-Propylbenzene	91	12.188	12.188	0.000	99	167663	0.5000	0.5026	
132 2-Chlorotoluene	126	12.262	12.262	0.000	96	34351	0.5000	0.5168	
133 1,3,5-Trimethylbenzene	105	12.329	12.323	0.006	94	124116	0.5000	0.5307	
134 4-Chlorotoluene	126	12.359	12.353	0.006	98	33499	0.5000	0.4921	
135 tert-Butylbenzene	134	12.566	12.566	0.000	93	27099	0.5000	0.5154	
136 Pentachloroethane	167	12.597	12.597	0.000	87	18622	0.5000	0.4868	
137 1,2,4-Trimethylbenzene	105	12.615	12.609	0.006	97	122882	0.5000	0.5131	
138 sec-Butylbenzene	105	12.731	12.731	0.000	94	146710	0.5000	0.5055	
139 1,3-Dichlorobenzene	146	12.835	12.829	0.006	98	63109	0.5000	0.5141	
140 4-Isopropyltoluene	119	12.847	12.841	0.006	97	125533	0.5000	0.5100	
* 141 1,4-Dichlorobenzene-d4	152	12.890	12.890	0.000	95	769122	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.908	12.908	0.000	96	67441	0.5000	0.5167	
143 1,2,3-Trimethylbenzene	120	12.920	12.914	0.006	99	55278	0.5000	0.5076	
144 Benzyl chloride	126	12.993	12.981	0.012	99	6851	0.5000	0.4555	
145 p-Diethylbenzene	119	13.121	13.115	0.006	95	70974	0.5000	0.5017	
146 n-Butylbenzene	92	13.139	13.133	0.006	98	53310	0.5000	0.4805	
147 1,2-Dichlorobenzene	146	13.170	13.164	0.006	98	58090	0.5000	0.5477	
149 1,2-Dibromo-3-Chloropropane	155	13.719	13.713	0.006	81	1969	0.5000	0.5049	
150 1,3,5-Trichlorobenzene	180	13.847	13.841	0.006	97	43496	0.5000	0.4911	
151 1,2,4-Trichlorobenzene	180	14.267	14.261	0.006	93	34338	0.5000	0.5176	
152 Hexachlorobutadiene	225	14.347	14.347	0.000	95	15325	0.5000	0.4817	
153 Naphthalene	128	14.450	14.438	0.012	96	50738	0.5000	0.4771	
154 1,2,3-Trichlorobenzene	180	14.584	14.584	0.000	95	28805	0.5000	0.4986	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00163

Amount Added: 2.00

Units: uL

MSV_LL_GAS826_00264

Amount Added: 2.00

Units: uL

MSV_LL_#2_826_00174

Amount Added: 2.00

Units: uL

MSV_LLcentISS_00016

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 12-Apr-2025 07:04:51

Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X15.D

Injection Date: 31-Mar-2025 16:54:30

Instrument ID: 19094

Operator ID: ecr105096

Lims ID: IC std4 0.5

Worklist Smp#: 16

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

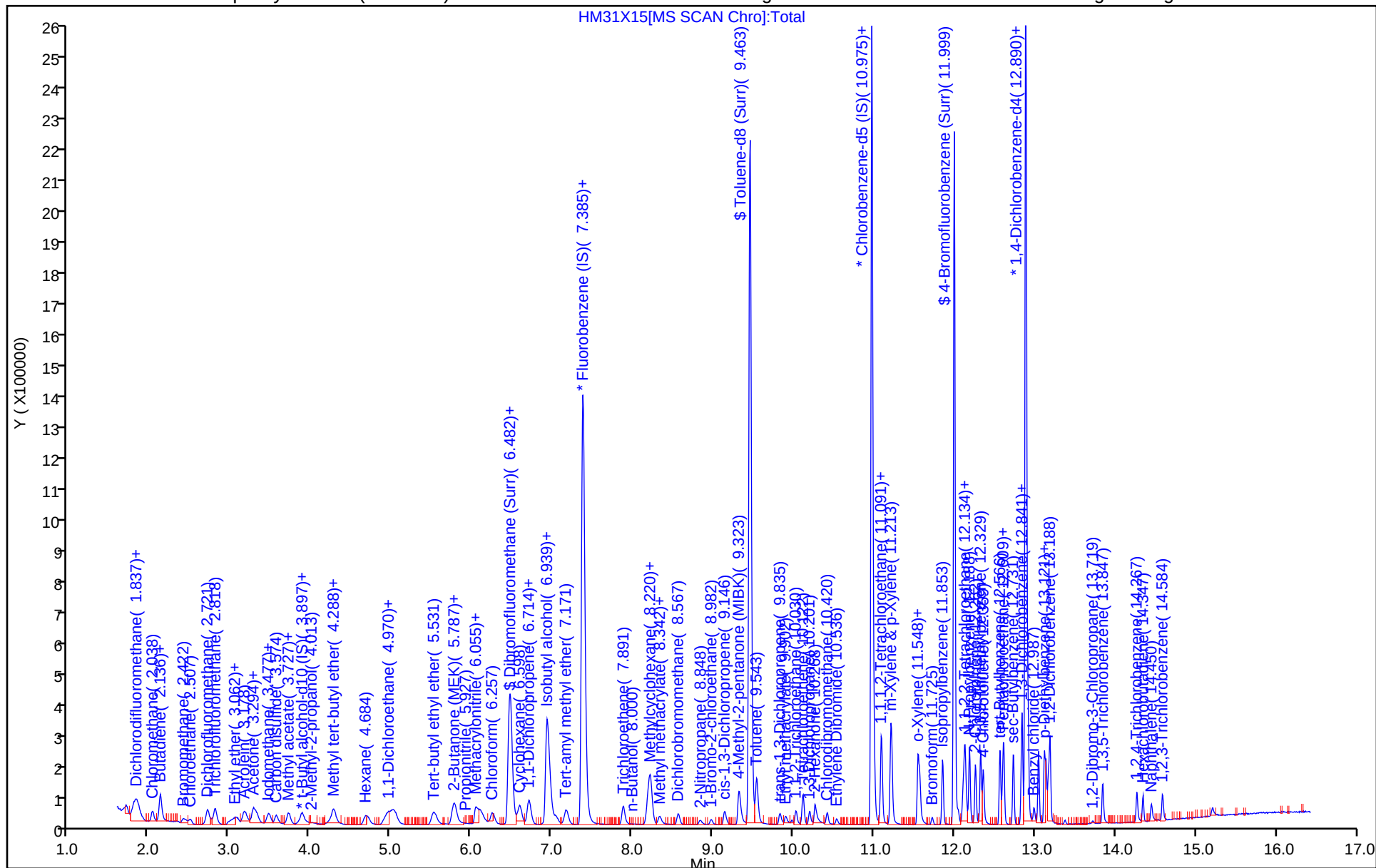
ALS Bottle#: 15

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

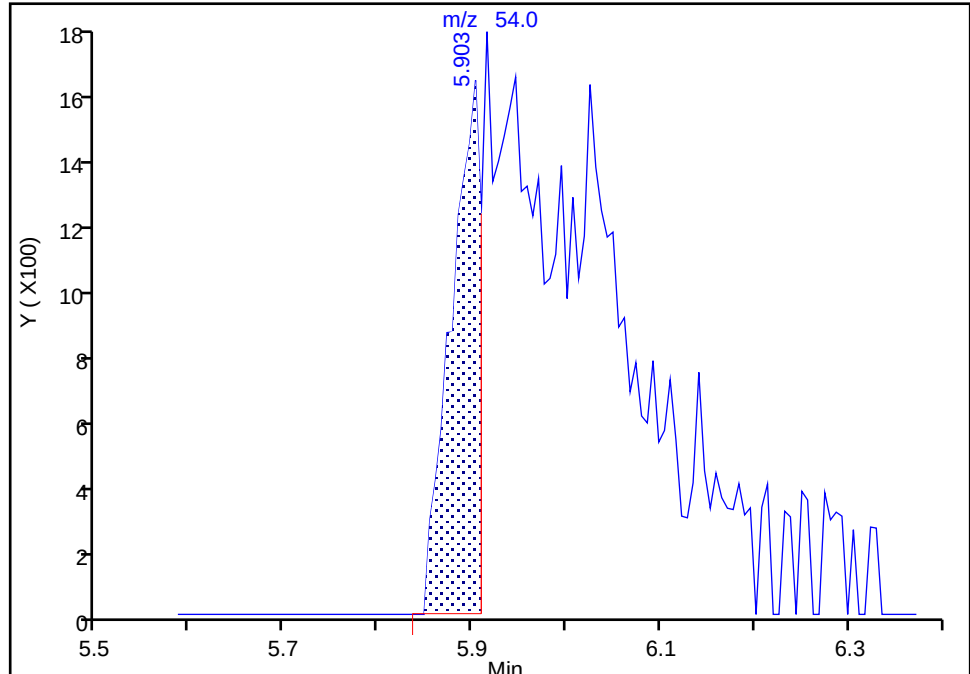
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Injection Date: 31-Mar-2025 16:54:30 Instrument ID: 19094
Lims ID: IC std4 0.5
Client ID:
Operator ID: ecr105096 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

44 Propionitrile, CAS: 107-12-0

Signal: 1

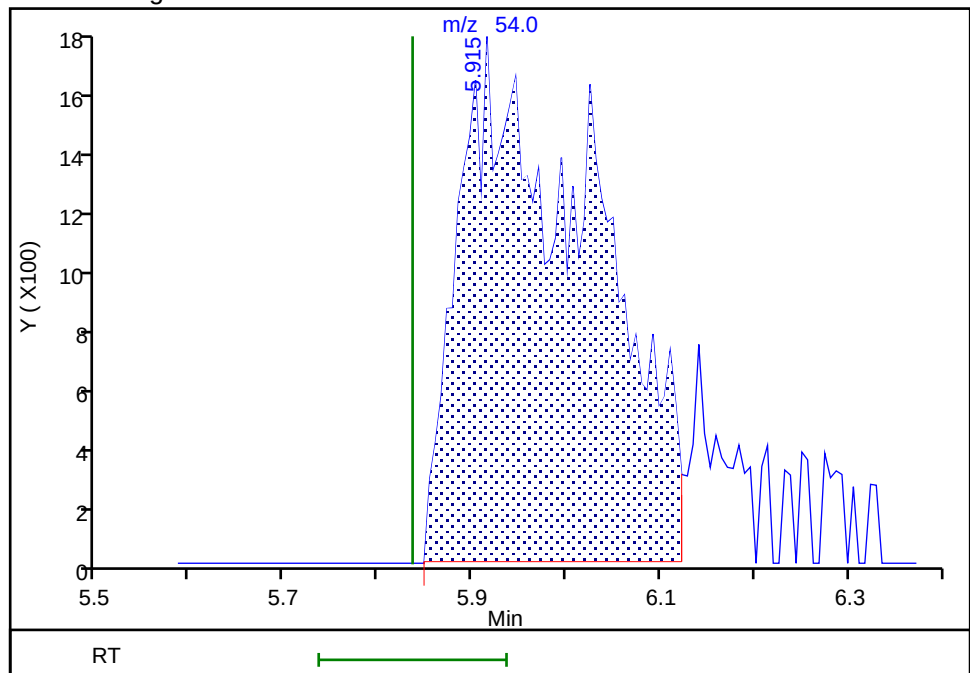
RT: 5.90
Area: 3565
Amount: 2.433242
Amount Units: ug/l

Processing Integration Results



RT: 5.92
Area: 17124
Amount: 8.355845
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 11-Apr-2025 09:46:46 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Other

Eurofins Lancaster Laboratories Environment Testing, LLC

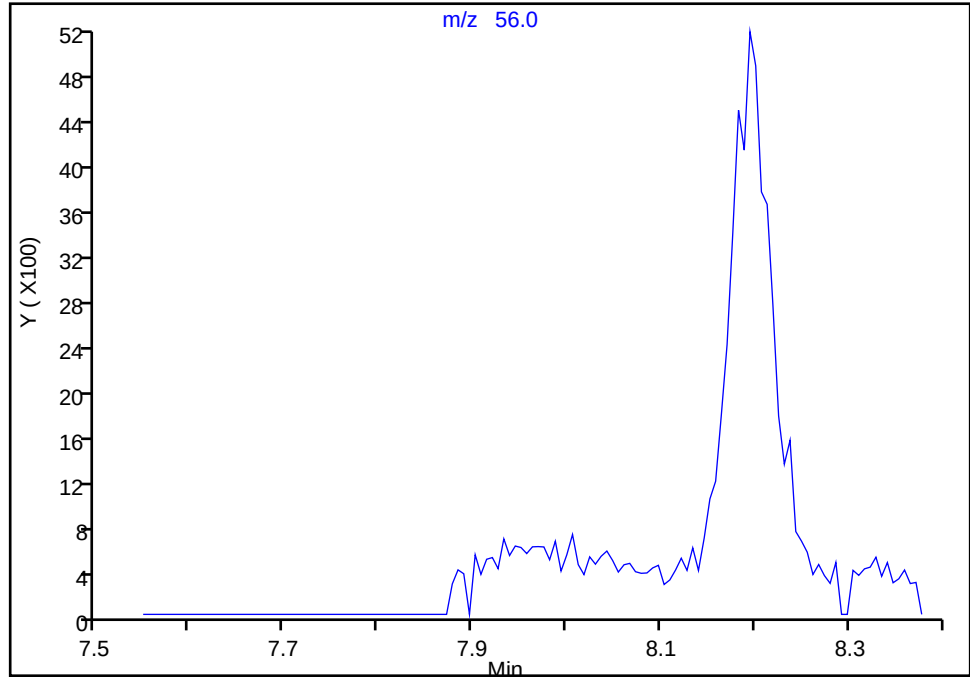
Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X15.D
Injection Date: 31-Mar-2025 16:54:30 Instrument ID: 19094
Lims ID: IC std4 0.5
Client ID:
Operator ID: ecr105096 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

67 n-Butanol, CAS: 71-36-3

Signal: 1

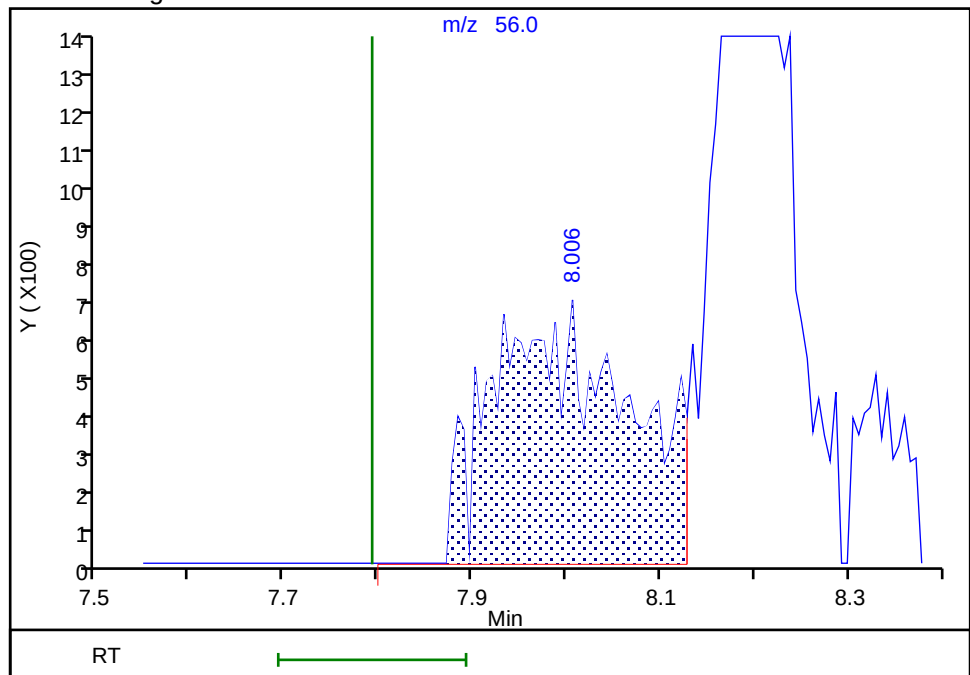
Not Detected
Expected RT: 7.79

Processing Integration Results



RT: 8.01
Area: 6930
Amount: 39.235226
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 10-Apr-2025 10:34:52 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X16.D
 Lims ID: IC std5 1
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 31-Mar-2025 17:16:30 ALS Bottle#: 16 Worklist Smp#: 17
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0142485-017
 Misc. Info.: IC STD5 1
 Operator ID: ecr105096 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 12-Apr-2025 07:05:05 Calib Date: 31-Mar-2025 18:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1648

First Level Reviewer: N7YK

Date: 01-Apr-2025 16:15:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.843	1.843	0.000	99	72799	1.00	1.09	
5 Chloromethane	50	2.026	2.032	-0.006	98	90109	1.00	0.9555	
7 Butadiene	39	2.123	2.129	-0.006	94	85474	1.00	1.00	
6 Vinyl chloride	62	2.135	2.142	-0.007	98	82274	1.00	1.00	
9 Bromomethane	94	2.410	2.422	-0.012	90	56620	1.00	1.01	M
10 Chloroethane	64	2.495	2.501	-0.006	99	48775	1.00	1.05	
11 Dichlorofluoromethane	67	2.708	2.721	-0.013	97	126158	1.00	0.9559	
12 Trichlorofluoromethane	101	2.800	2.812	-0.012	56	98214	1.00	1.01	
14 Ethyl ether	59	3.001	3.001	0.000	92	36308	1.00	1.08	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.068	3.080	-0.012	93	73739	1.00	1.02	
16 Acrolein	56	3.160	3.160	0.000	99	217891	48.8	50.1	
17 1,1-Dichloroethene	96	3.282	3.288	-0.006	98	45970	1.00	0.9869	
19 Acetone	43	3.336	3.312	0.024	56	47006	10.0	10.2	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.324	3.324	0.000	86	48672	1.00	0.9461	
21 Iodomethane	142	3.458	3.471	-0.013	98	92574	1.00	1.03	
22 Ethyl bromide	108	3.483	3.495	-0.012	98	43524	1.00	1.01	
23 Carbon disulfide	76	3.562	3.574	-0.012	99	137547	1.00	0.9205	
24 Methyl acetate	43	3.733	3.690	0.043	45	10553	1.00	1.14	M
26 3-Chloro-1-propene	41	3.714	3.721	-0.007	93	92791	1.00	0.9535	
27 Methylene Chloride	84	3.885	3.885	0.000	94	49931	1.00	1.02	
* 28 t-Butyl alcohol-d10 (IS)	65	3.916	3.910	0.006	70	62685	50.0	50.0	
29 2-Methyl-2-propanol	59	4.031	4.019	0.012	83	27896	20.0	21.8	
31 Acrylonitrile	53	4.263	4.221	0.043	21	12400	2.50	3.06	M
32 Methyl tert-butyl ether	73	4.245	4.269	-0.024	96	111127	1.00	1.03	
33 trans-1,2-Dichloroethene	96	4.275	4.281	-0.006	98	53002	1.00	1.02	
34 Hexane	57	4.678	4.696	-0.018	93	70794	1.00	0.8988	
36 1,1-Dichloroethane	63	4.928	4.928	0.000	96	103058	1.00	0.9884	
37 Isopropyl ether	45	4.989	4.989	0.000	98	184660	1.00	1.03	
38 2-Chloro-1,3-butadiene	53	5.043	5.037	0.006	91	84992	1.00	0.9284	
40 Tert-butyl ethyl ether	59	5.519	5.537	-0.018	98	160821	1.00	1.01	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.763	5.732	0.031	62	77831	10.0	8.95	
42 cis-1,2-Dichloroethene	96	5.775	5.769	0.006	83	61691	1.00	0.99	
43 2,2-Dichloropropane	77	5.787	5.787	0.000	77	86126	1.00	0.99	
44 Propionitrile	54	5.891	5.836	0.055	98	36402	20.0	17.6	M
47 Methacrylonitrile	67	6.043	6.031	0.012	92	89360	10.0	9.57	
48 Chlorobromomethane	128	6.104	6.098	0.006	96	23464	1.00	1.10	
49 Tetrahydrofuran	71	6.135	6.123	0.012	86	12170	5.00	4.70	
S 46 1,2-Dichloroethene, Total	100				0			2.01	
50 Chloroform	83	6.257	6.257	0.000	93	98398	1.00	1.01	
\$ 52 Dibromofluoromethane (Surr)	113	6.470	6.476	-0.006	94	443941	10.0	10.2	
53 1,1,1-Trichloroethane	97	6.488	6.494	-0.006	98	85774	1.00	0.9745	
54 Cyclohexane	56	6.598	6.598	0.000	91	98404	1.00	0.9664	
55 1,1-Dichloropropene	75	6.708	6.708	0.000	96	80823	1.00	0.9610	
56 Carbon tetrachloride	117	6.708	6.714	-0.006	87	74493	1.00	0.9530	
57 Isobutyl alcohol	41	6.878	6.866	0.012	91	22216	50.0	51.8	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.933	6.933	0.000	81	77051	10.0	9.97	
59 Benzene	78	6.970	6.970	0.000	96	240158	1.00	0.99	
60 1,2-Dichloroethane	62	7.043	7.043	0.000	97	51635	1.00	1.02	
63 Tert-amyl methyl ether	73	7.171	7.177	-0.006	98	129644	1.00	1.02	
* 64 Fluorobenzene (IS)	96	7.384	7.385	-0.001	98	2009620	10.0	10.0	
65 n-Heptane	43	7.409	7.409	0.000	94	60070	1.00	0.8029	
67 n-Butanol	56	7.915	7.793	0.122	22	20079	87.5	80.1	M
68 Trichloroethene	95	7.878	7.878	0.000	99	59260	1.00	0.9605	
69 Methylcyclohexane	83	8.189	8.195	-0.006	93	94307	1.00	0.9423	
70 1,2-Dichloropropane	63	8.214	8.208	0.006	97	60147	1.00	1.03	
71 2-ethoxy-2-methyl butane	87	8.226	8.232	-0.006	93	88874	1.00	1.01	
72 Methyl methacrylate	69	8.329	8.311	0.018	78	16217	1.00	0.9085	
74 Dibromomethane	93	8.329	8.323	0.006	92	22986	1.00	1.05	
73 1,4-Dioxane	88	8.323	8.329	-0.006	28	2194	50.0	35.9	M
76 Dichlorobromomethane	83	8.567	8.561	0.006	98	66360	1.00	1.03	
77 2-Nitropropane	41	8.835	8.835	0.000	99	27313	5.00	4.13	
79 1-Bromo-2-chloroethane	63	8.969	8.963	0.006	98	51555	1.00	1.03	
80 cis-1,3-Dichloropropene	75	9.140	9.134	0.006	95	81920	1.00	0.99	
82 4-Methyl-2-pentanone (MIBK)	43	9.323	9.317	0.006	97	250793	10.0	9.35	
\$ 83 Toluene-d8 (Surr)	98	9.463	9.463	0.000	93	1949110	10.0	10.1	
84 Toluene	92	9.543	9.543	-0.001	98	147969	1.00	0.9743	
85 trans-1,3-Dichloropropene	75	9.829	9.817	0.012	94	59835	1.00	1.01	
104 Ethyl methacrylate	69	9.896	9.890	0.006	91	41731	1.00	0.99	
106 1,1,2-Trichloroethane	97	10.030	10.030	0.000	91	32744	1.00	1.01	
S 105 1,3-Dichloropropene, Total	100				0			2.00	
107 Tetrachloroethene	166	10.122	10.116	0.006	98	66124	1.00	0.9407	
108 1,3-Dichloropropane	76	10.201	10.195	0.006	91	59396	1.00	1.01	
109 2-Hexanone	43	10.262	10.250	0.012	98	154685	10.0	9.14	
111 Chlorodibromomethane	129	10.420	10.414	0.006	90	41259	1.00	1.02	
112 Ethylene Dibromide	107	10.536	10.530	0.006	100	29943	1.00	1.01	
* 113 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	86	1431171	10.0	10.0	
114 1-Chlorohexane	91	10.993	10.987	0.006	99	79790	1.00	0.8517	
115 Chlorobenzene	112	11.006	11.000	0.006	94	157864	1.00	0.9737	
116 1,1,1,2-Tetrachloroethane	131	11.091	11.091	0.000	94	54915	1.00	1.03	
117 Ethylbenzene	91	11.097	11.091	0.006	99	291925	1.00	0.9832	
119 m-Xylene & p-Xylene	106	11.213	11.213	0.000	100	221657	2.00	1.99	
S 118 Xylenes, Total	106				0			3.00	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 o-Xylene	106	11.548	11.548	0.000	97	107032	1.00	1.01	
121 Styrene	104	11.567	11.561	0.005	95	166528	1.00	1.02	
122 Bromoform	173	11.725	11.719	0.006	96	22818	1.00	1.02	
123 Isopropylbenzene	105	11.853	11.853	0.000	96	248518	1.00	0.9683	
\$ 126 4-Bromofluorobenzene (Surr)	95	11.999	11.999	0.000	91	707488	10.0	9.98	
127 1,1,2,2-Tetrachloroethane	83	12.103	12.103	0.000	93	40032	1.00	1.07	
128 Bromobenzene	156	12.115	12.115	0.000	97	62336	1.00	1.01	
129 trans-1,4-Dichloro-2-butene	53	12.127	12.128	-0.001	93	90277	10.0	8.48	
130 1,2,3-Trichloropropane	110	12.152	12.146	0.006	79	9786	1.00	1.07	
131 N-Propylbenzene	91	12.188	12.188	0.000	99	316726	1.00	0.9563	
132 2-Chlorotoluene	126	12.261	12.262	-0.001	97	66573	1.00	1.01	
133 1,3,5-Trimethylbenzene	105	12.329	12.323	0.006	94	229697	1.00	0.9890	
134 4-Chlorotoluene	126	12.359	12.353	0.006	97	67700	1.00	1.00	
135 tert-Butylbenzene	134	12.566	12.566	0.000	93	52042	1.00	1.00	
136 Pentachloroethane	167	12.597	12.597	0.000	86	39464	1.00	1.04	
137 1,2,4-Trimethylbenzene	105	12.615	12.609	0.006	97	231770	1.00	0.9746	
138 sec-Butylbenzene	105	12.731	12.731	0.000	94	274663	1.00	0.9531	
139 1,3-Dichlorobenzene	146	12.835	12.829	0.006	98	119536	1.00	0.9808	
140 4-Isopropyltoluene	119	12.847	12.841	0.006	97	238594	1.00	0.9763	
* 141 1,4-Dichlorobenzene-d4	152	12.889	12.890	-0.001	95	763700	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.908	12.908	0.000	95	125003	1.00	0.9645	
143 1,2,3-Trimethylbenzene	120	12.914	12.914	0.000	97	101660	1.00	0.9402	
144 Benzyl chloride	126	12.987	12.981	0.006	99	14772	1.00	0.9891	
145 p-Diethylbenzene	119	13.121	13.115	0.006	95	139617	1.00	0.99	
146 n-Butylbenzene	92	13.139	13.133	0.006	97	104384	1.00	0.9476	
147 1,2-Dichlorobenzene	146	13.170	13.164	0.006	98	107438	1.00	1.02	
149 1,2-Dibromo-3-Chloropropane	155	13.719	13.713	0.006	85	4678	1.00	1.06	
150 1,3,5-Trichlorobenzene	180	13.840	13.841	-0.001	98	87602	1.00	1.00	
151 1,2,4-Trichlorobenzene	180	14.267	14.261	0.006	94	66023	1.00	1.00	
152 Hexachlorobutadiene	225	14.346	14.347	-0.001	96	27410	1.00	0.8677	
153 Naphthalene	128	14.444	14.438	0.006	97	106113	1.00	1.00	
154 1,2,3-Trichlorobenzene	180	14.584	14.584	0.000	96	56924	1.00	0.99	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00163

Amount Added: 2.00

Units: uL

MSV_LL_GAS826_00264

Amount Added: 2.00

Units: uL

MSV_LL_#2_826_00174

Amount Added: 2.00

Units: uL

MSV_LLcentISS_00016

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 12-Apr-2025 07:05:06

Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X16.D

Injection Date: 31-Mar-2025 17:16:30

Instrument ID: 19094

Operator ID: ecr105096

Lims ID: IC std5 1

Worklist Smp#: 17

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

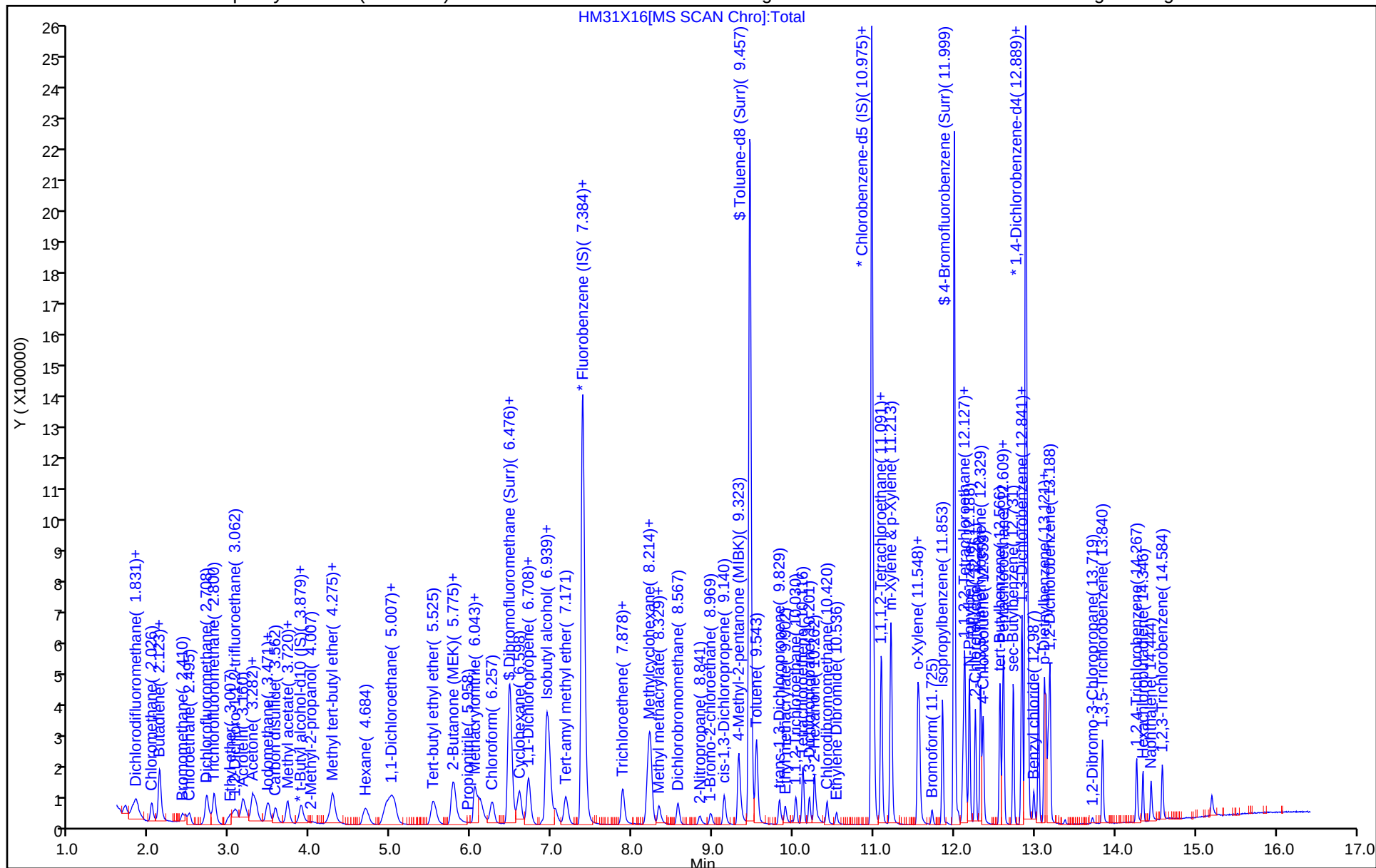
ALS Bottle#: 16

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

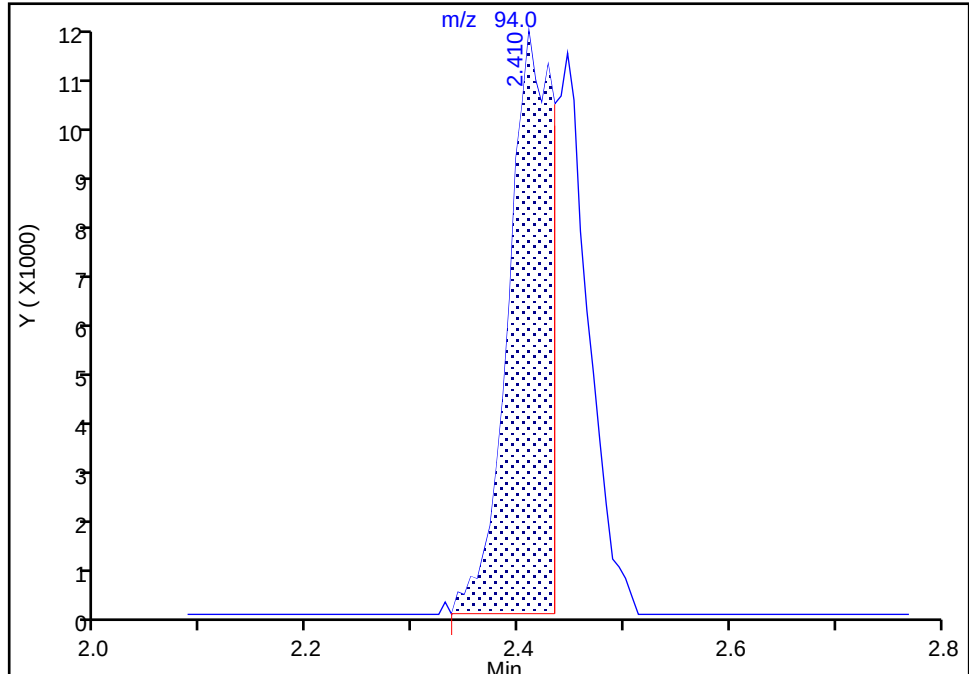
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Injection Date: 31-Mar-2025 17:16:30 Instrument ID: 19094
Lims ID: IC std5 1
Client ID:
Operator ID: ecr105096 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

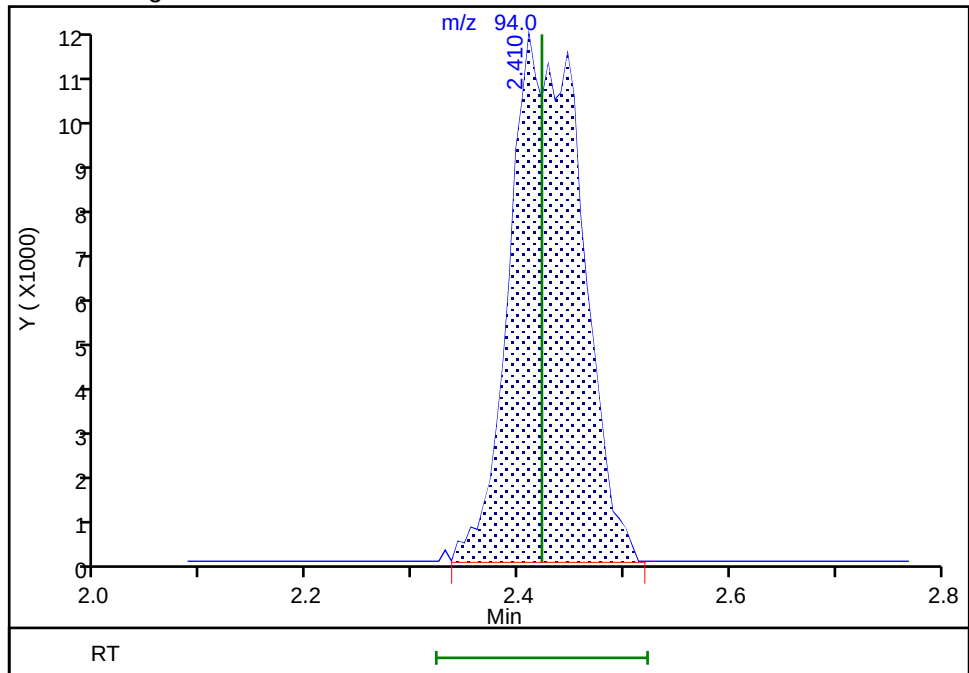
RT: 2.41
Area: 34440
Amount: 0.683371
Amount Units: ug/l

Processing Integration Results



RT: 2.41
Area: 56620
Amount: 1.010658
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:13:01 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

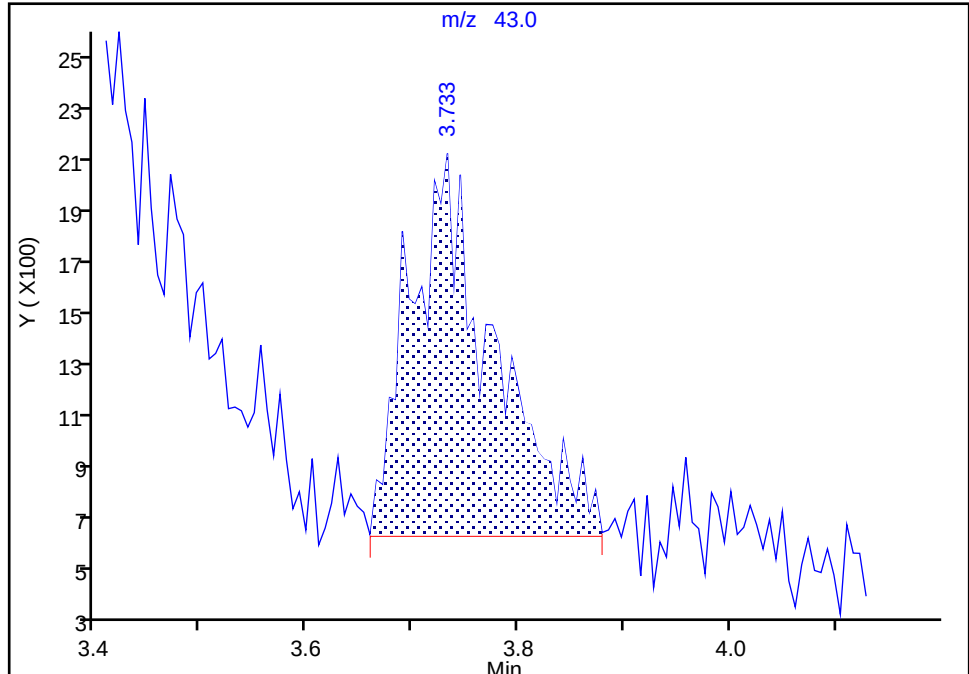
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Injection Date: 31-Mar-2025 17:16:30 Instrument ID: 19094
Lims ID: IC std5 1
Client ID:
Operator ID: ecr105096 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

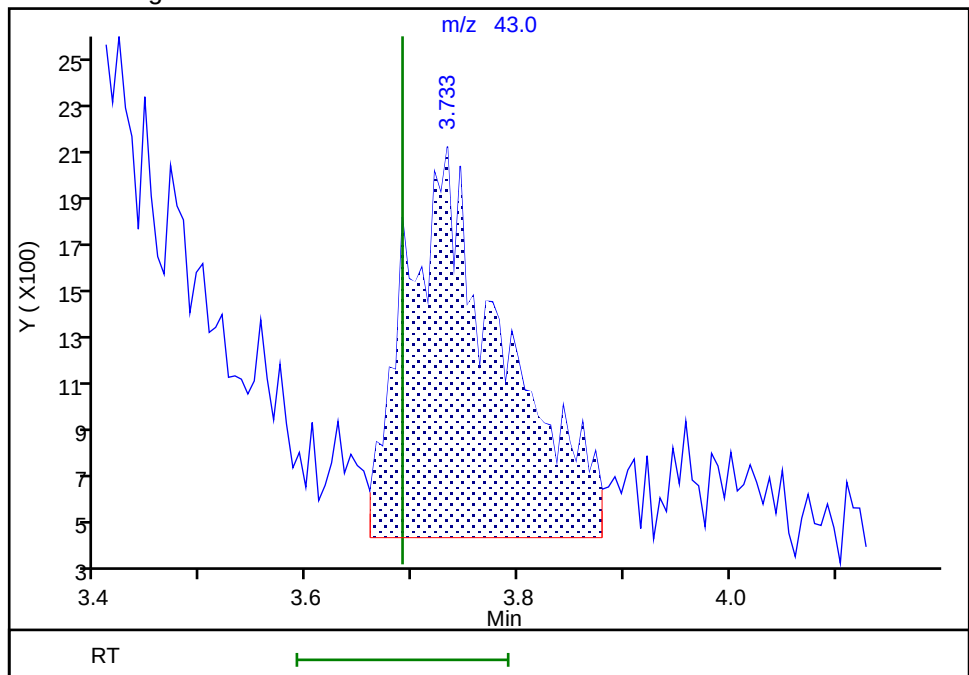
RT: 3.73
Area: 7900
Amount: 0.672213
Amount Units: ug/l

Processing Integration Results



RT: 3.73
Area: 10553
Amount: 1.140972
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 10-Apr-2025 10:10:21 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

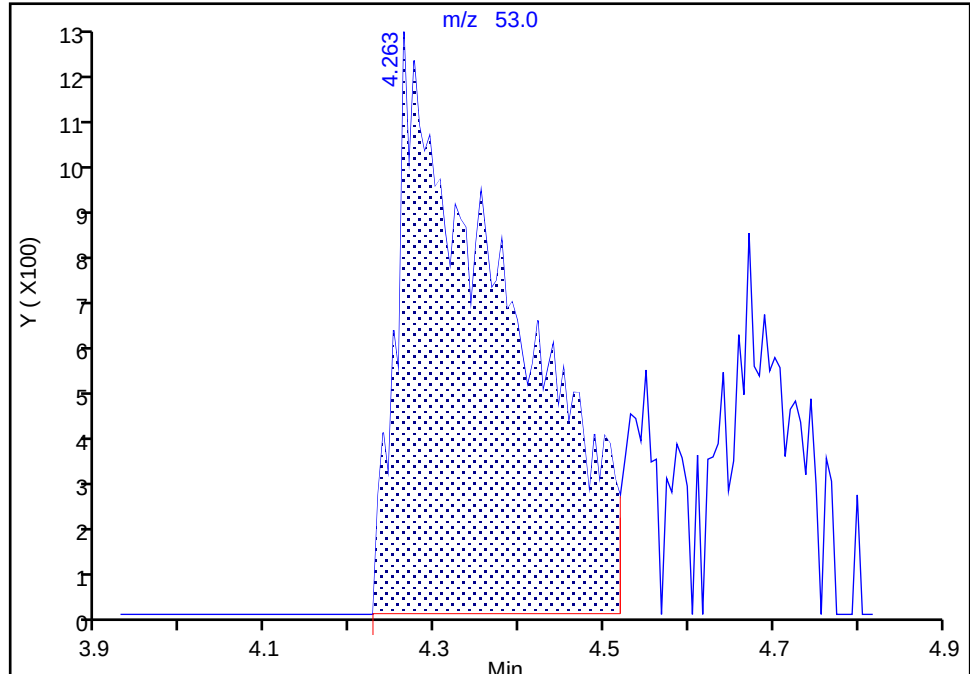
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Injection Date: 31-Mar-2025 17:16:30 Instrument ID: 19094
Lims ID: IC std5 1
Client ID:
Operator ID: ecr105096 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

31 Acrylonitrile, CAS: 107-13-1

Signal: 1

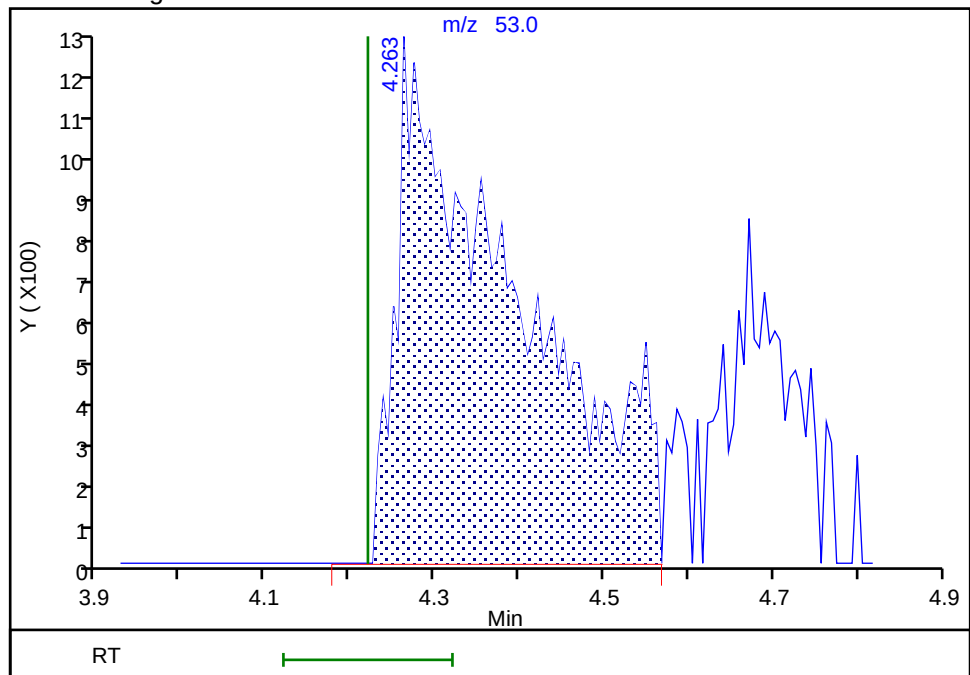
RT: 4.26
Area: 11377
Amount: 2.132417
Amount Units: ug/l

Processing Integration Results



RT: 4.26
Area: 12400
Amount: 3.058629
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 10-Apr-2025 10:16:34 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

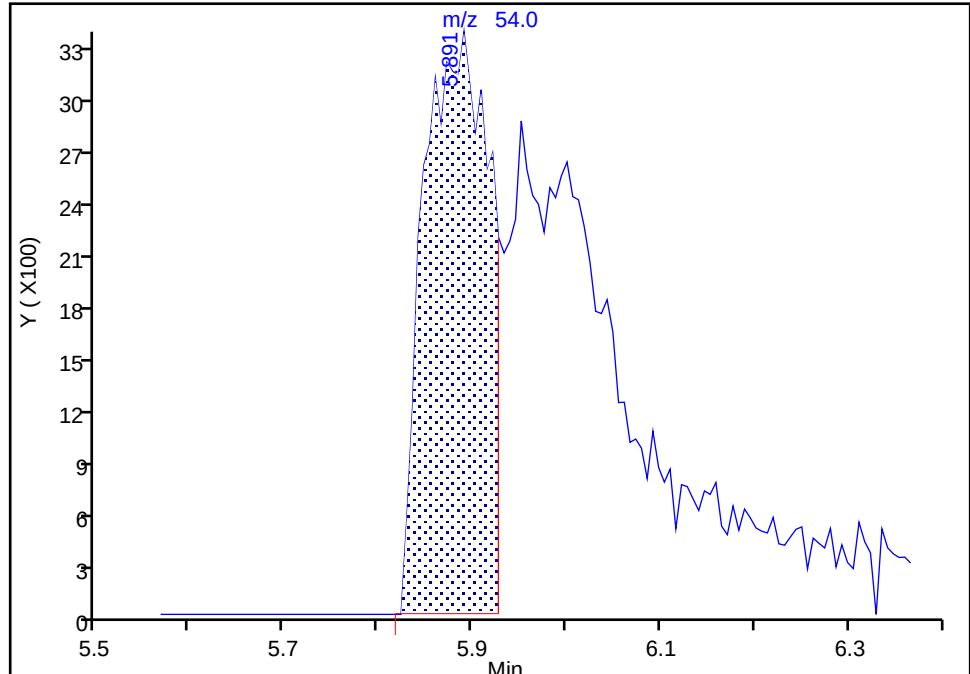
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Injection Date: 31-Mar-2025 17:16:30 Instrument ID: 19094
Lims ID: IC std5 1
Client ID:
Operator ID: ecr105096 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

44 Propionitrile, CAS: 107-12-0

Signal: 1

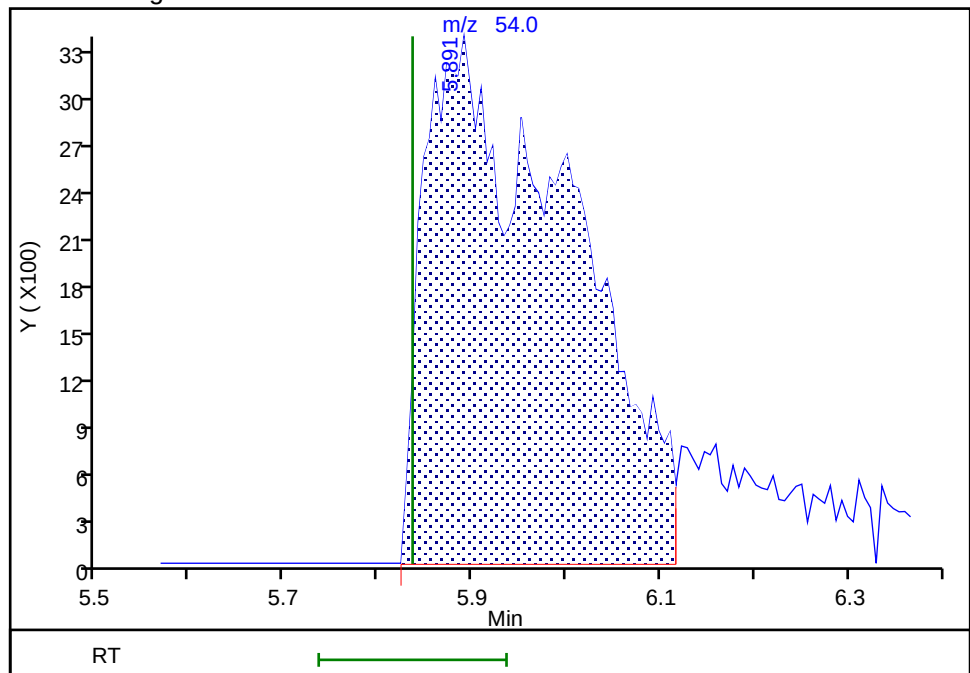
RT: 5.89
Area: 16190
Amount: 15.140333
Amount Units: ug/l

Processing Integration Results



RT: 5.89
Area: 36402
Amount: 17.634393
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 11-Apr-2025 09:46:15 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Other

Eurofins Lancaster Laboratories Environment Testing, LLC

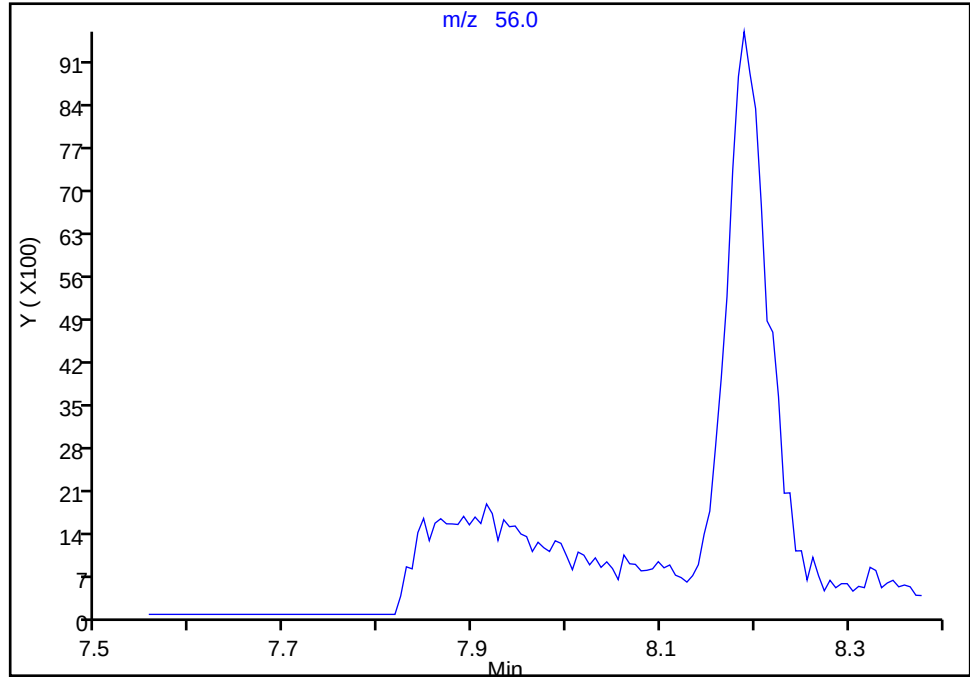
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Injection Date: 31-Mar-2025 17:16:30 Instrument ID: 19094
Lims ID: IC std5 1
Client ID:
Operator ID: ecr105096 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

67 n-Butanol, CAS: 71-36-3

Signal: 1

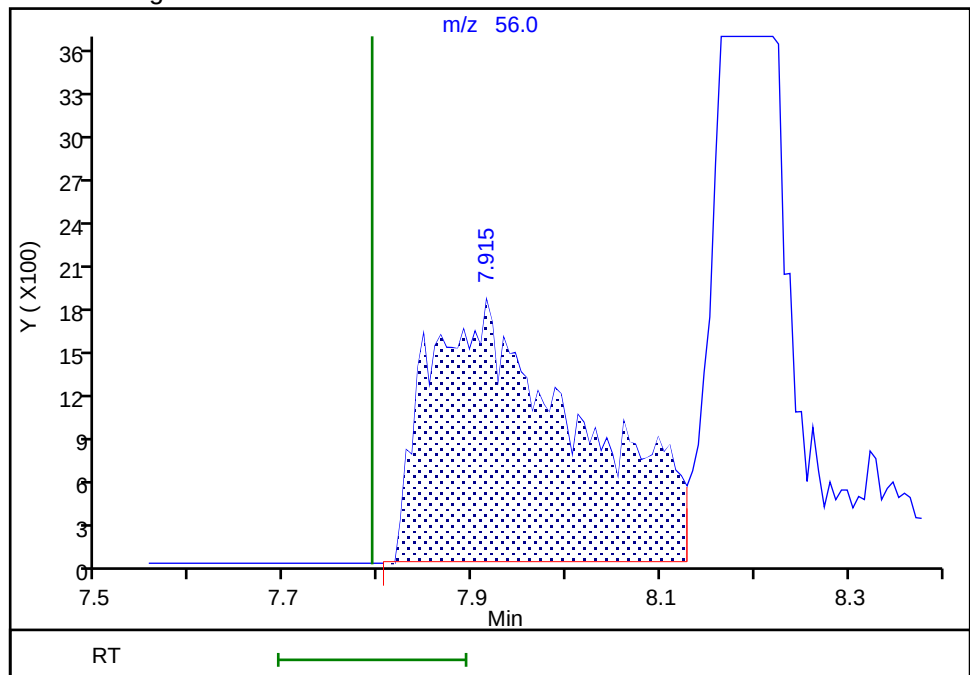
Not Detected
Expected RT: 7.79

Processing Integration Results



RT: 7.91
Area: 20079
Amount: 80.094111
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 10-Apr-2025 10:34:16 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

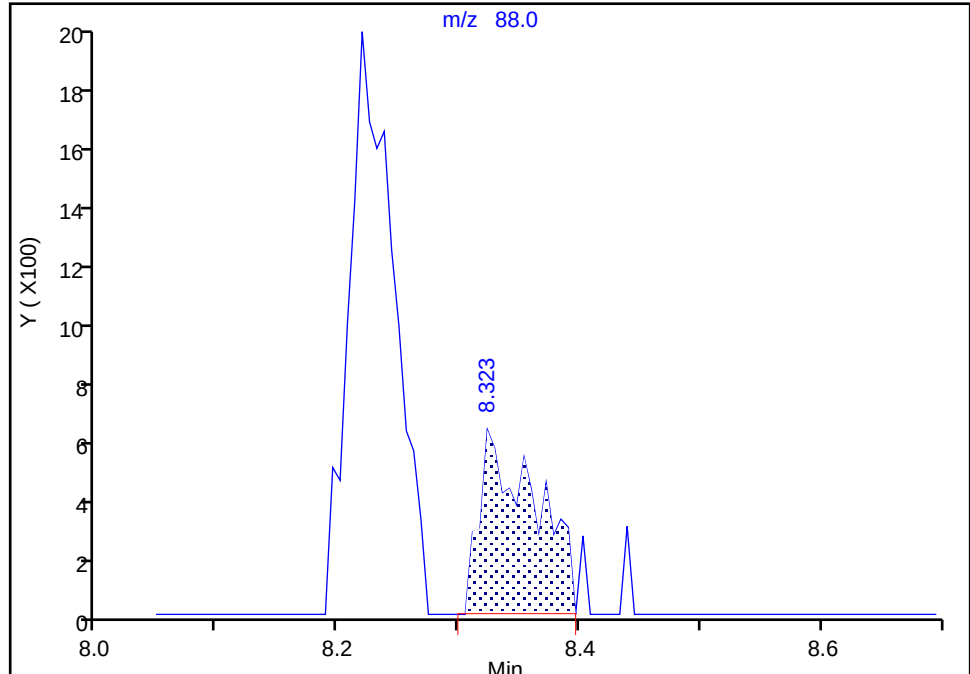
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Injection Date: 31-Mar-2025 17:16:30 Instrument ID: 19094
Lims ID: IC std5 1
Client ID:
Operator ID: ecr105096 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

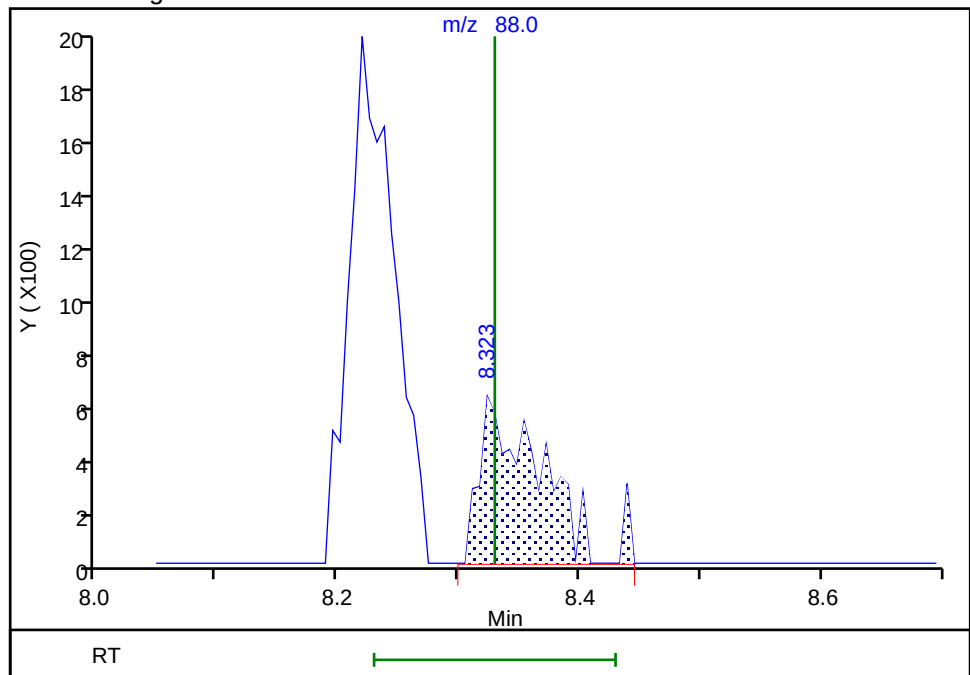
RT: 8.32
Area: 1990
Amount: 20.462548
Amount Units: ug/l

Processing Integration Results



RT: 8.32
Area: 2194
Amount: 35.934238
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:14:28 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X17.D
 Lims ID: IC std6 2
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 31-Mar-2025 17:36:30 ALS Bottle#: 17 Worklist Smp#: 18
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0142485-018
 Misc. Info.: IC STD6 2
 Operator ID: ecr105096 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 12-Apr-2025 07:05:21 Calib Date: 31-Mar-2025 18:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1648

First Level Reviewer: N7YK

Date: 01-Apr-2025 16:17:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.849	1.849	0.000	99	136393	2.00	2.02	
5 Chloromethane	50	2.032	2.032	0.000	99	167072	2.00	1.75	
7 Butadiene	39	2.129	2.129	0.000	91	164104	2.00	1.90	
6 Vinyl chloride	62	2.142	2.142	0.000	98	166041	2.00	1.99	
9 Bromomethane	94	2.428	2.428	0.000	91	110452	2.00	1.95	
10 Chloroethane	64	2.501	2.501	0.000	99	98650	2.00	2.10	
11 Dichlorofluoromethane	67	2.715	2.715	0.000	97	252470	2.00	1.89	
12 Trichlorofluoromethane	101	2.806	2.806	0.000	51	192097	2.00	1.95	
14 Ethyl ether	59	2.995	2.995	0.000	93	72449	2.00	2.13	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.068	3.068	0.000	95	150349	2.00	2.04	
16 Acrolein	56	3.166	3.166	0.000	100	443372	97.6	96.7	
17 1,1-Dichloroethene	96	3.282	3.282	0.000	97	96491	2.00	2.04	
19 Acetone	43	3.330	3.330	0.000	49	91302	20.0	18.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.324	3.324	0.000	92	107791	2.00	2.07	
21 Iodomethane	142	3.465	3.465	0.000	99	187338	2.00	2.07	
22 Ethyl bromide	108	3.489	3.489	0.000	98	87871	2.00	2.01	
23 Carbon disulfide	76	3.568	3.568	0.000	99	285486	2.00	1.89	
24 Methyl acetate	43	3.721	3.721	0.000	23	17895	2.00	1.56	M
26 3-Chloro-1-propene	41	3.721	3.721	0.000	92	185757	2.00	1.88	
27 Methylene Chloride	84	3.891	3.891	0.000	94	102190	2.00	2.06	
* 28 t-Butyl alcohol-d10 (IS)	65	3.885	3.885	0.000	33	66026	50.0	50.0	
29 2-Methyl-2-propanol	59	4.007	4.007	0.000	83	48312	40.0	35.9	M
31 Acrylonitrile	53	4.282	4.282	0.000	23	28840	5.00	4.89	M
32 Methyl tert-butyl ether	73	4.263	4.263	0.000	96	219886	2.00	2.00	
33 trans-1,2-Dichloroethene	96	4.275	4.275	0.000	98	109427	2.00	2.07	
34 Hexane	57	4.696	4.696	0.000	92	164844	2.00	2.07	
36 1,1-Dichloroethane	63	4.928	4.928	0.000	96	213861	2.00	2.02	
37 Isopropyl ether	45	4.995	4.995	0.000	96	373726	2.00	2.05	
38 2-Chloro-1,3-butadiene	53	5.044	5.044	0.000	92	183306	2.00	1.98	
40 Tert-butyl ethyl ether	59	5.531	5.531	0.000	98	325196	2.00	2.01	

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	5.757	5.757	0.000	100	159105	20.0	17.4	
42 cis-1,2-Dichloroethene	96	5.769	5.769	0.000	84	124277	2.00	1.97	
43 2,2-Dichloropropane	77	5.781	5.781	0.000	86	182207	2.00	2.07	
44 Propionitrile	54	5.879	5.879	0.000	97	77073	40.0	35.4	M
47 Methacrylonitrile	67	6.037	6.037	0.000	92	188597	20.0	16.6	
48 Chlorobromomethane	128	6.098	6.098	0.000	95	46551	2.00	2.15	
49 Tetrahydrofuran	71	6.135	6.135	0.000	84	23668	10.0	8.03	
S 46 1,2-Dichloroethene, Total	100				0			4.04	
50 Chloroform	83	6.257	6.257	0.000	94	202361	2.00	2.05	
\$ 52 Dibromofluoromethane (Surr)	113	6.476	6.476	0.000	94	440700	10.0	9.96	
53 1,1,1-Trichloroethane	97	6.488	6.488	0.000	98	180500	2.00	2.02	
54 Cyclohexane	56	6.598	6.598	0.000	91	217619	2.00	2.11	
55 1,1-Dichloropropene	75	6.708	6.708	0.000	96	170477	2.00	2.00	
56 Carbon tetrachloride	117	6.714	6.714	0.000	94	160856	2.00	2.03	
57 Isobutyl alcohol	41	6.879	6.879	0.000	93	45165	100.0	100.0	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.940	6.940	0.000	87	79229	10.0	10.1	
59 Benzene	78	6.970	6.970	0.000	97	486750	2.00	1.99	
60 1,2-Dichloroethane	62	7.043	7.043	0.000	97	105345	2.00	2.05	
63 Tert-amyl methyl ether	73	7.171	7.171	0.000	99	262765	2.00	2.03	
* 64 Fluorobenzene (IS)	96	7.385	7.385	0.000	99	2036656	10.0	10.0	
65 n-Heptane	43	7.409	7.409	0.000	95	156250	2.00	2.06	
67 n-Butanol	56	7.830	7.830	0.000	24	50969	175.0	168.4	M
68 Trichloroethene	95	7.878	7.878	0.000	98	123692	2.00	1.98	
69 Methylcyclohexane	83	8.195	8.195	0.000	92	218733	2.00	2.16	
70 1,2-Dichloropropane	63	8.214	8.214	0.000	96	122864	2.00	2.08	
71 2-ethoxy-2-methyl butane	87	8.232	8.232	0.000	92	182276	2.00	2.05	
72 Methyl methacrylate	69	8.323	8.323	0.000	87	38693	2.00	1.66	
74 Dibromomethane	93	8.323	8.323	0.000	95	46457	2.00	2.10	
73 1,4-Dioxane	88	8.342	8.342	0.000	28	7381	100.0	114.8	M
76 Dichlorobromomethane	83	8.567	8.567	0.000	99	133432	2.00	2.05	
77 2-Nitropropane	41	8.835	8.835	0.000	98	55740	10.0	8.00	
79 1-Bromo-2-chloroethane	63	8.970	8.970	0.000	98	103306	2.00	2.03	
80 cis-1,3-Dichloropropene	75	9.140	9.140	0.000	96	168861	2.00	2.02	
82 4-Methyl-2-pentanone (MIBK)	43	9.317	9.317	0.000	97	505353	20.0	17.9	
\$ 83 Toluene-d8 (Surr)	98	9.457	9.457	0.000	94	1950607	10.0	10.0	
84 Toluene	92	9.543	9.543	0.000	98	305902	2.00	2.01	
85 trans-1,3-Dichloropropene	75	9.823	9.823	0.000	93	123784	2.00	2.08	
104 Ethyl methacrylate	69	9.896	9.896	0.000	90	93906	2.00	2.23	
106 1,1,2-Trichloroethane	97	10.030	10.030	0.000	90	66363	2.00	2.03	
S 105 1,3-Dichloropropene, Total	100				0			4.10	
107 Tetrachloroethene	166	10.116	10.116	0.000	98	137177	2.00	1.94	
108 1,3-Dichloropropane	76	10.195	10.195	0.000	90	123353	2.00	2.09	
109 2-Hexanone	43	10.262	10.262	0.000	97	323909	20.0	16.5	
111 Chlorodibromomethane	129	10.421	10.421	0.000	90	86335	2.00	2.13	
112 Ethylene Dibromide	107	10.536	10.536	0.000	99	62403	2.00	2.11	
* 113 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	86	1437185	10.0	10.0	
114 1-Chlorohexane	91	10.988	10.988	0.000	98	171870	2.00	1.83	
115 Chlorobenzene	112	11.000	11.000	0.000	95	325561	2.00	2.00	
116 1,1,1,2-Tetrachloroethane	131	11.091	11.091	0.000	96	112635	2.00	2.10	
117 Ethylbenzene	91	11.091	11.091	0.000	99	596351	2.00	2.00	
119 m-Xylene & p-Xylene	106	11.213	11.213	0.000	100	458577	4.00	4.10	
S 118 Xylenes, Total	106				0			6.17	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 o-Xylene	106	11.548	11.548	0.000	97	220158	2.00	2.06	
121 Styrene	104	11.567	11.567	0.000	95	344681	2.00	2.11	
122 Bromoform	173	11.725	11.725	0.000	97	48203	2.00	2.15	
123 Isopropylbenzene	105	11.853	11.853	0.000	96	514898	2.00	2.00	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.000	12.000	0.000	91	713534	10.0	10.0	
127 1,1,2,2-Tetrachloroethane	83	12.103	12.103	0.000	93	78902	2.00	2.11	
128 Bromobenzene	156	12.115	12.115	0.000	96	128408	2.00	2.09	
129 trans-1,4-Dichloro-2-butene	53	12.128	12.128	0.000	91	191300	20.0	17.1	
130 1,2,3-Trichloropropane	110	12.146	12.146	0.000	79	19822	2.00	2.18	
131 N-Propylbenzene	91	12.189	12.189	0.000	99	680732	2.00	2.07	
132 2-Chlorotoluene	126	12.262	12.262	0.000	96	136193	2.00	2.08	
133 1,3,5-Trimethylbenzene	105	12.329	12.329	0.000	94	473939	2.00	2.05	
134 4-Chlorotoluene	126	12.359	12.359	0.000	98	134434	2.00	2.00	
135 tert-Butylbenzene	134	12.566	12.566	0.000	94	109393	2.00	2.11	
136 Pentachloroethane	167	12.597	12.597	0.000	89	77575	2.00	2.06	
137 1,2,4-Trimethylbenzene	105	12.609	12.609	0.000	97	487969	2.00	2.07	
138 sec-Butylbenzene	105	12.731	12.731	0.000	94	585161	2.00	2.04	
139 1,3-Dichlorobenzene	146	12.835	12.835	0.000	98	247555	2.00	2.04	
140 4-Isopropyltoluene	119	12.841	12.841	0.000	97	503484	2.00	2.07	
* 141 1,4-Dichlorobenzene-d4	152	12.890	12.890	0.000	95	758619	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.908	12.908	0.000	96	248676	2.00	1.93	
143 1,2,3-Trimethylbenzene	120	12.914	12.914	0.000	97	214497	2.00	2.00	
144 Benzyl chloride	126	12.987	12.987	0.000	99	31430	2.00	2.12	
145 p-Diethylbenzene	119	13.115	13.115	0.000	95	297343	2.00	2.13	
146 n-Butylbenzene	92	13.140	13.140	0.000	98	228370	2.00	2.09	
147 1,2-Dichlorobenzene	146	13.164	13.164	0.000	98	219740	2.00	2.10	
149 1,2-Dibromo-3-Chloropropane	155	13.719	13.719	0.000	83	9614	2.00	2.08	
150 1,3,5-Trichlorobenzene	180	13.841	13.841	0.000	98	182874	2.00	2.09	
151 1,2,4-Trichlorobenzene	180	14.261	14.261	0.000	94	141195	2.00	2.16	
152 Hexachlorobutadiene	225	14.347	14.347	0.000	95	61624	2.00	1.96	
153 Naphthalene	128	14.444	14.444	0.000	97	224942	2.00	2.14	
154 1,2,3-Trichlorobenzene	180	14.584	14.584	0.000	96	122159	2.00	2.14	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00163

Amount Added: 2.00

Units: uL

MSV_LL_GAS826_00264

Amount Added: 2.00

Units: uL

MSV_LL_#2_826_00174

Amount Added: 2.00

Units: uL

MSV_LLcentISS_00016

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 12-Apr-2025 07:05:21

Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X17.D

Injection Date: 31-Mar-2025 17:36:30

Instrument ID: 19094

Operator ID: ecr105096

Lims ID: IC std6 2

Worklist Smp#: 18

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

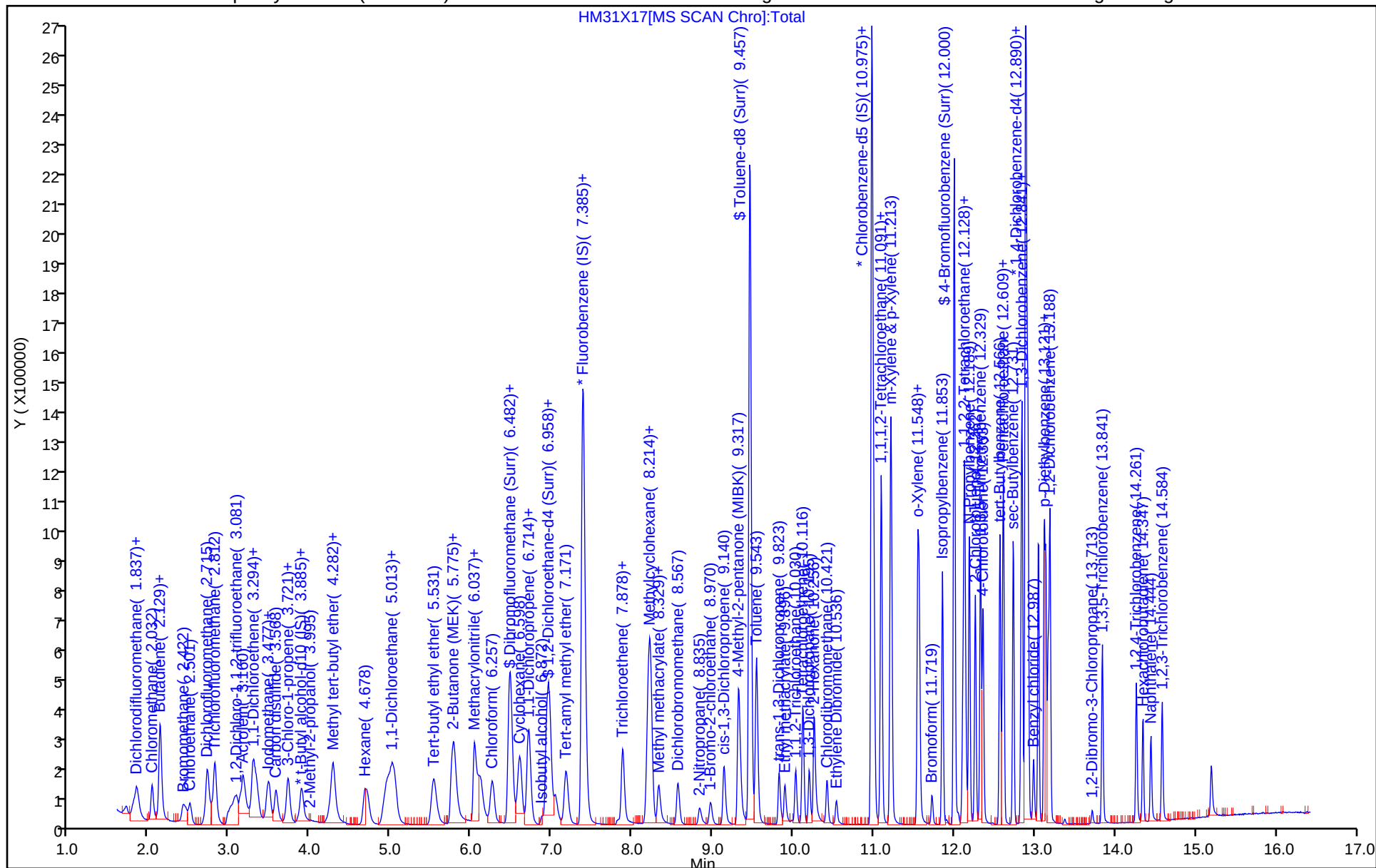
ALS Bottle#: 17

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

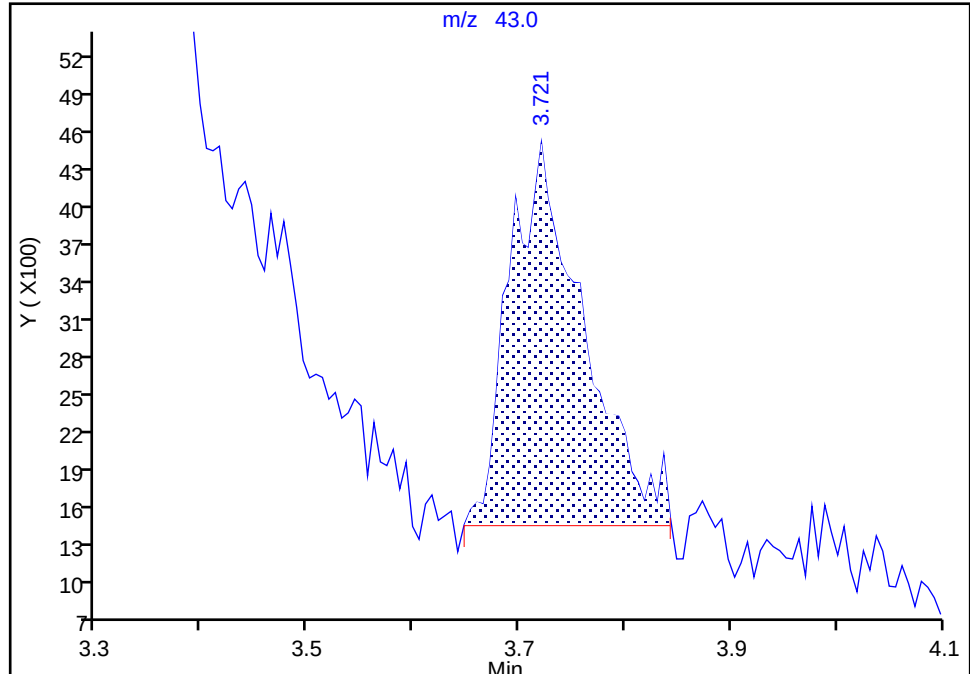
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Injection Date: 31-Mar-2025 17:36:30 Instrument ID: 19094
Lims ID: IC std6 2
Client ID:
Operator ID: ecr105096 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

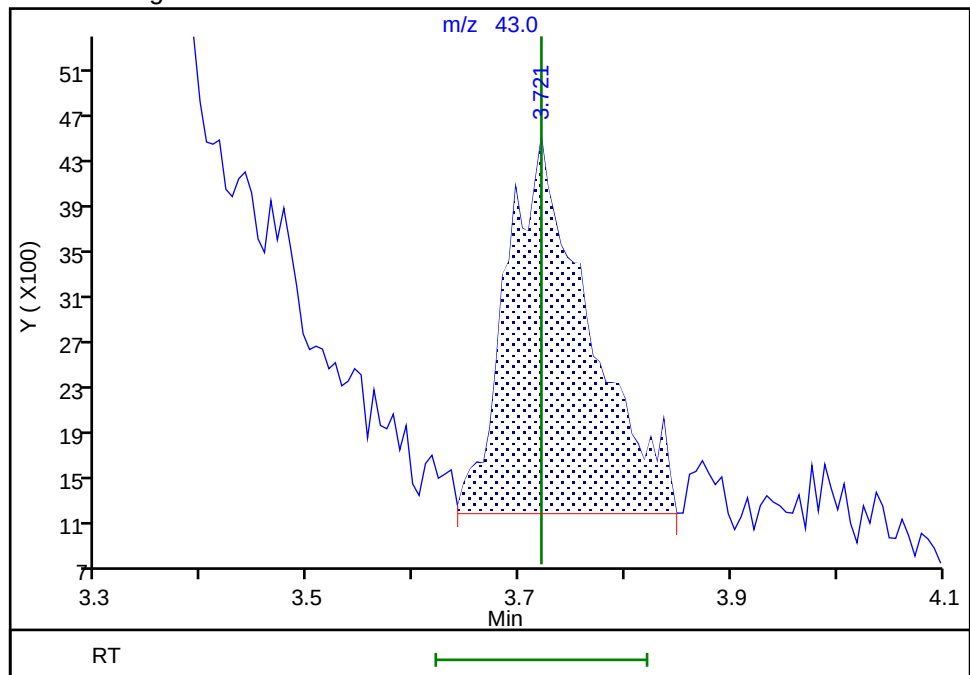
RT: 3.72
Area: 14647
Amount: 1.150638
Amount Units: ug/l

Processing Integration Results



RT: 3.72
Area: 17895
Amount: 1.557881
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 11-Apr-2025 09:49:07 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Other

Eurofins Lancaster Laboratories Environment Testing, LLC

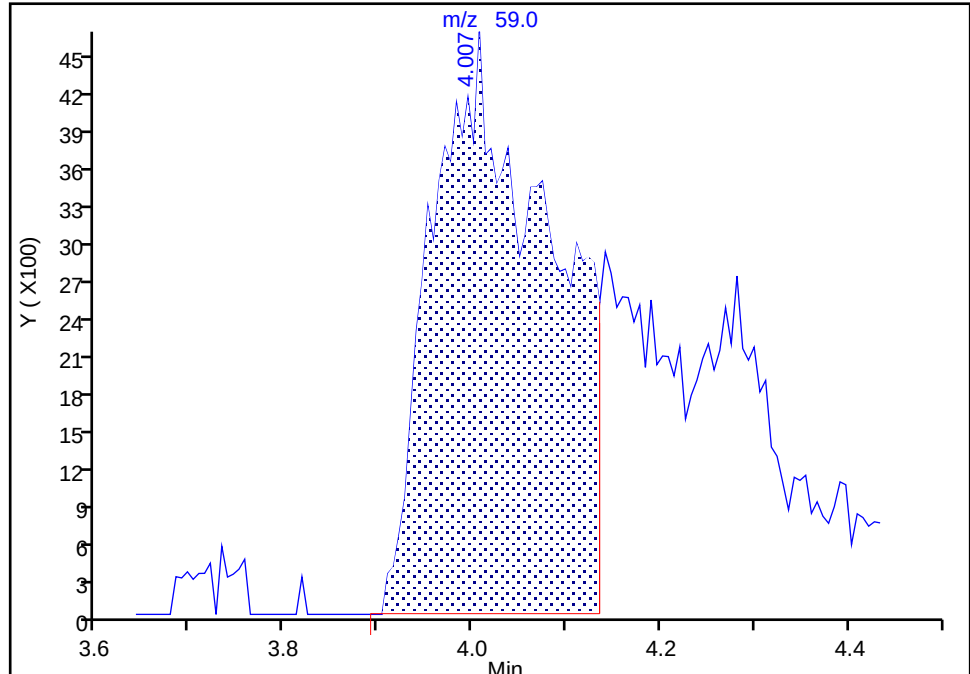
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Injection Date: 31-Mar-2025 17:36:30 Instrument ID: 19094
Lims ID: IC std6 2
Client ID:
Operator ID: ecr105096 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

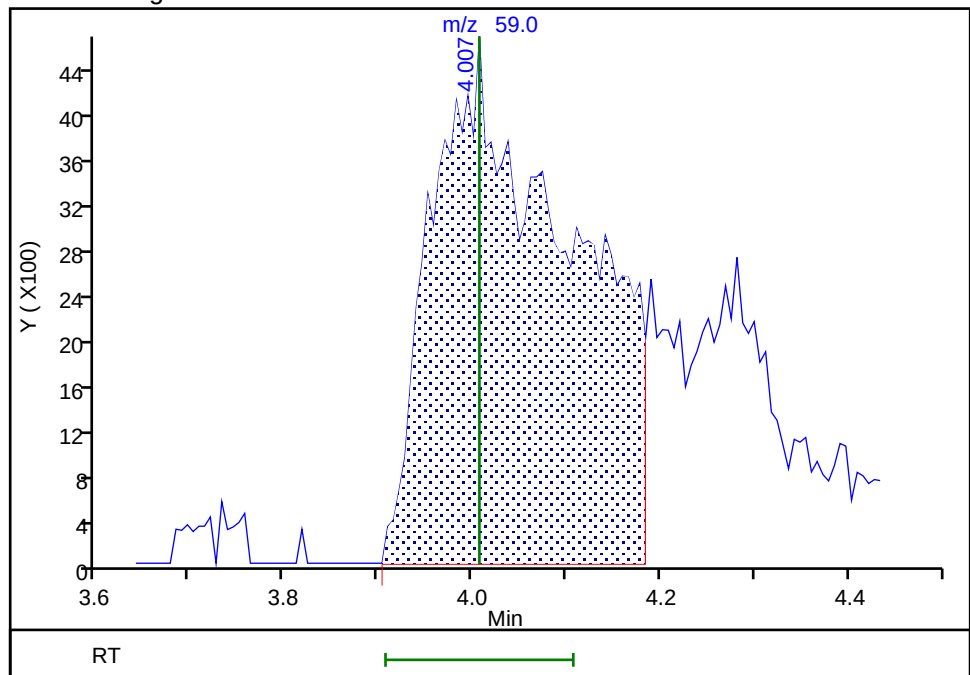
RT: 4.01
Area: 41000
Amount: 34.230128
Amount Units: ug/l

Processing Integration Results



RT: 4.01
Area: 48312
Amount: 35.893799
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 11-Apr-2025 09:48:16 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Other

Eurofins Lancaster Laboratories Environment Testing, LLC

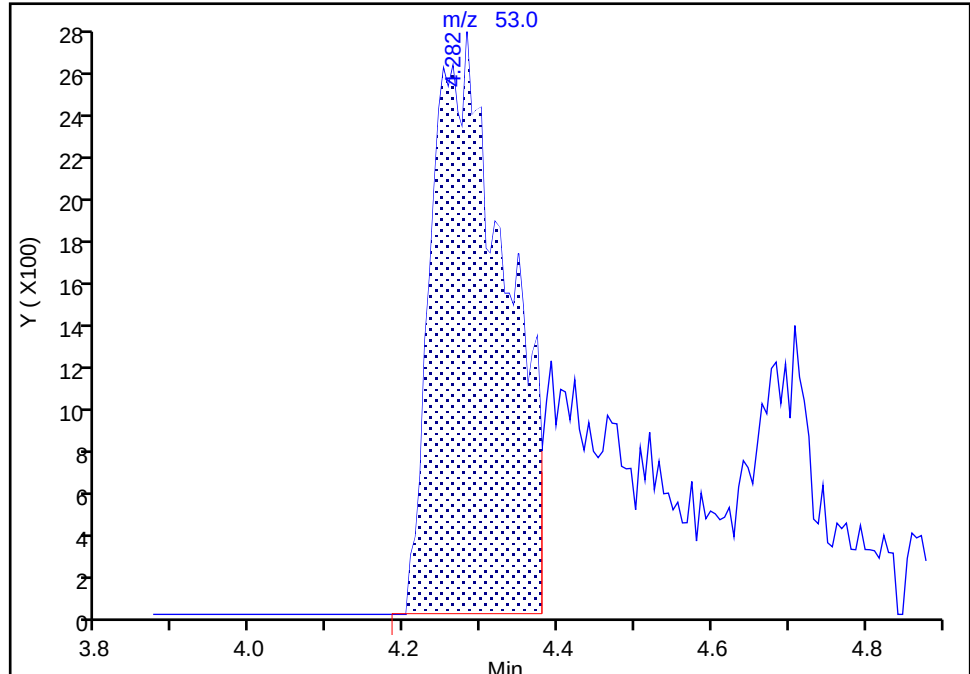
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Injection Date: 31-Mar-2025 17:36:30 Instrument ID: 19094
Lims ID: IC std6 2
Client ID:
Operator ID: ecr105096 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

31 Acrylonitrile, CAS: 107-13-1

Signal: 1

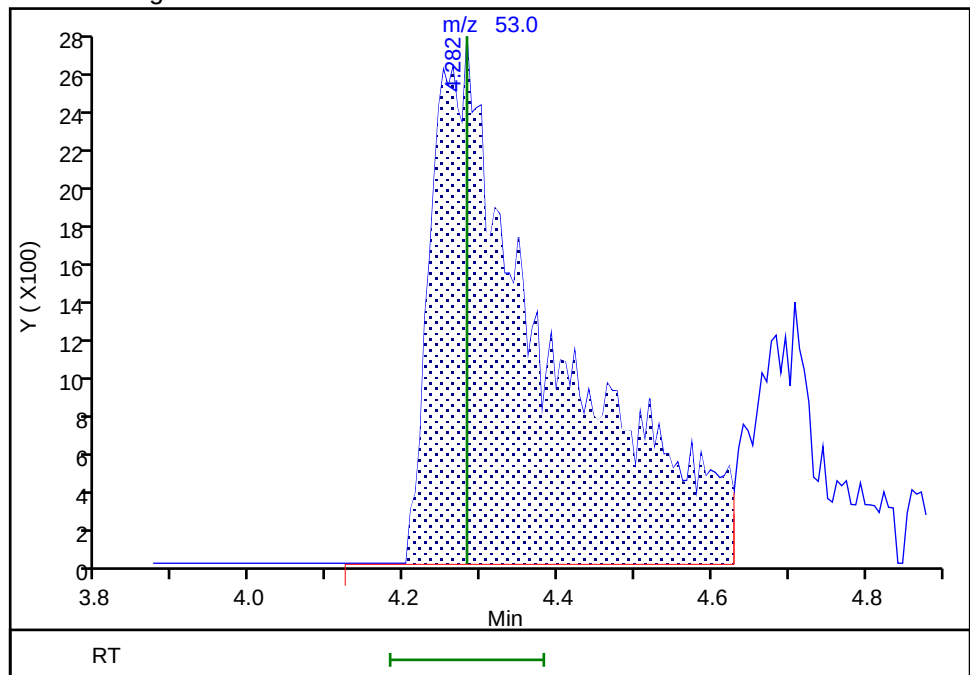
RT: 4.28
Area: 18299
Amount: 3.207075
Amount Units: ug/l

Processing Integration Results



RT: 4.28
Area: 28840
Amount: 4.885516
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 11-Apr-2025 09:48:38 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Other

Eurofins Lancaster Laboratories Environment Testing, LLC

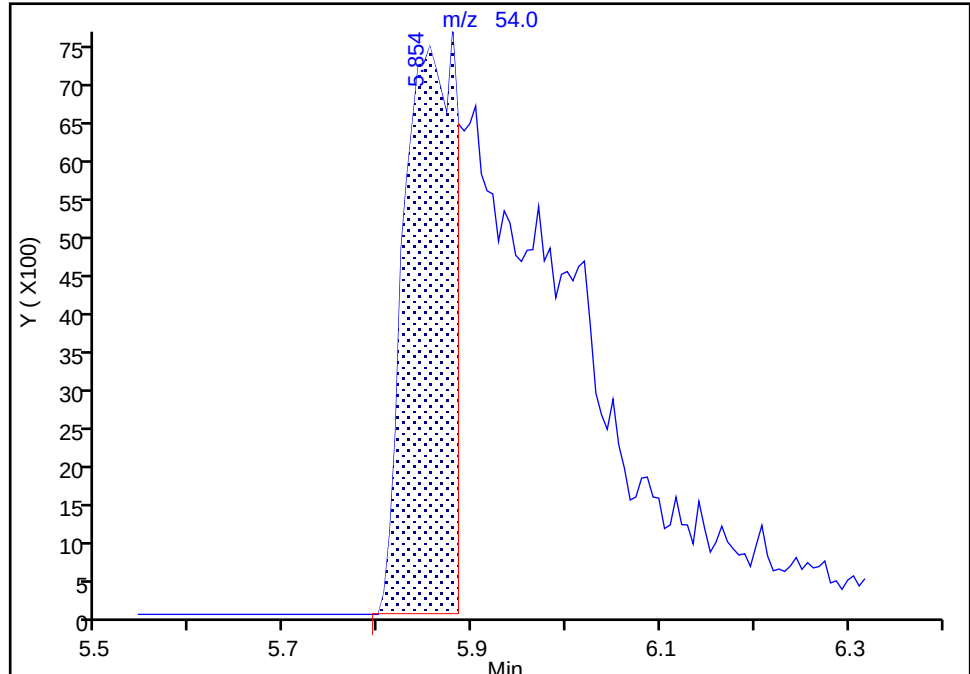
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Injection Date: 31-Mar-2025 17:36:30 Instrument ID: 19094
Lims ID: IC std6 2
Client ID:
Operator ID: ecr105096 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

44 Propionitrile, CAS: 107-12-0

Signal: 1

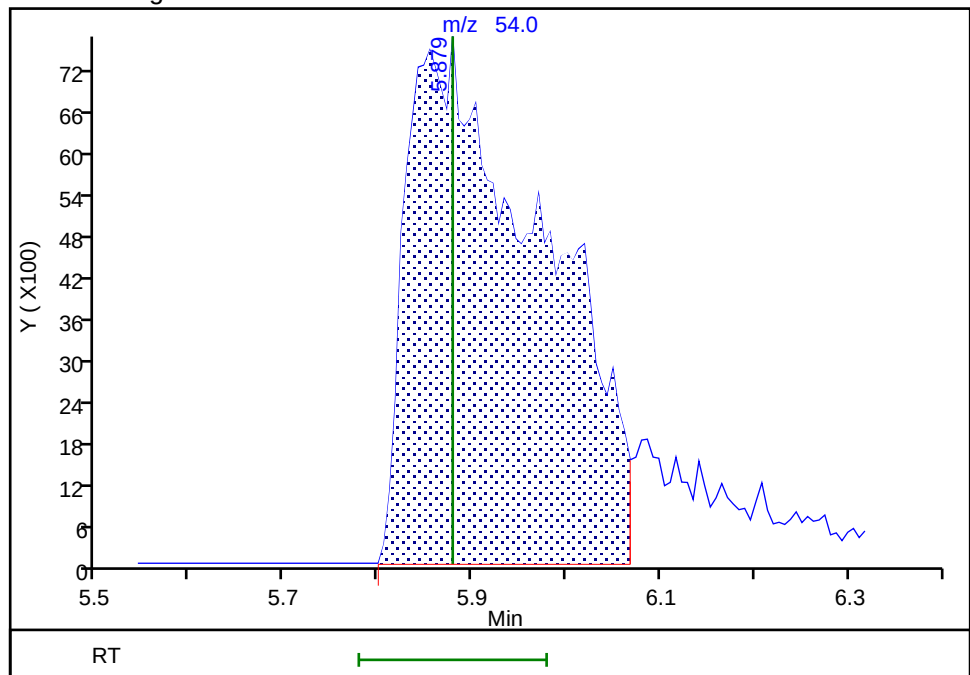
RT: 5.85
Area: 28433
Amount: 16.736687
Amount Units: ug/l

Processing Integration Results



RT: 5.88
Area: 77073
Amount: 35.447545
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 11-Apr-2025 09:47:40 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Other

Eurofins Lancaster Laboratories Environment Testing, LLC

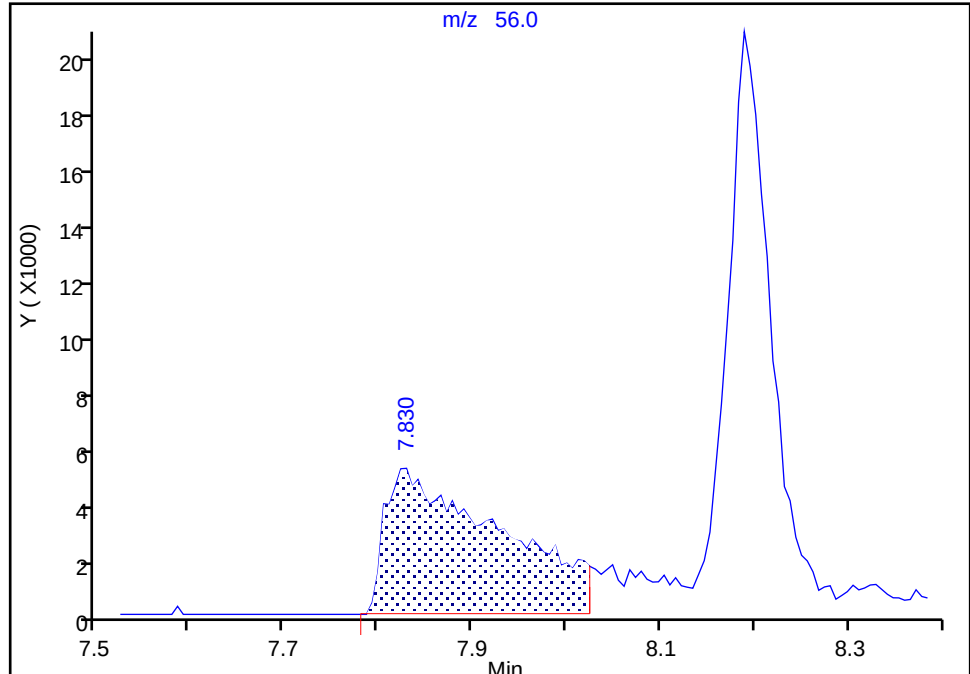
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Injection Date: 31-Mar-2025 17:36:30 Instrument ID: 19094
Lims ID: IC std6 2
Client ID:
Operator ID: ecr105096 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

67 n-Butanol, CAS: 71-36-3

Signal: 1

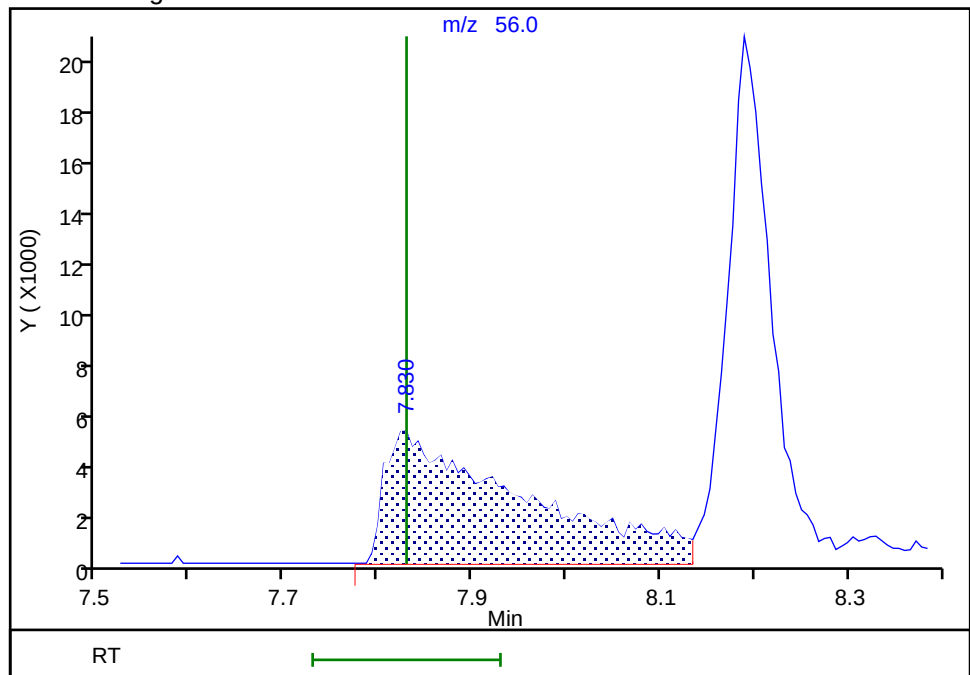
RT: 7.83
Area: 42853
Amount: 156.3822
Amount Units: ug/l

Processing Integration Results



RT: 7.83
Area: 50969
Amount: 168.4055
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 10-Apr-2025 10:34:00 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

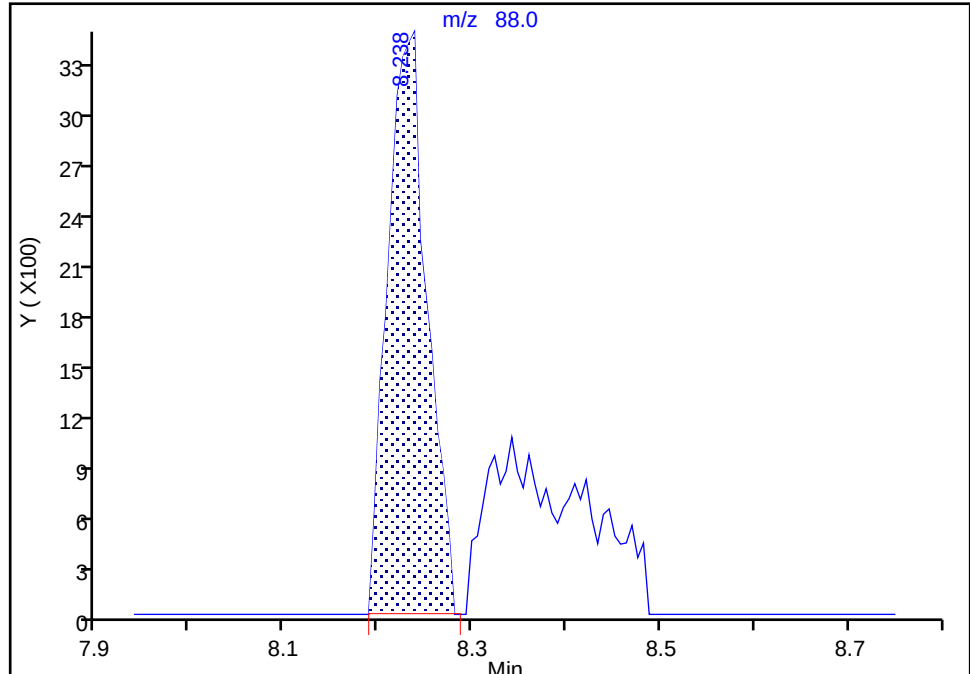
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Injection Date: 31-Mar-2025 17:36:30 Instrument ID: 19094
Lims ID: IC std6 2
Client ID:
Operator ID: ecr105096 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

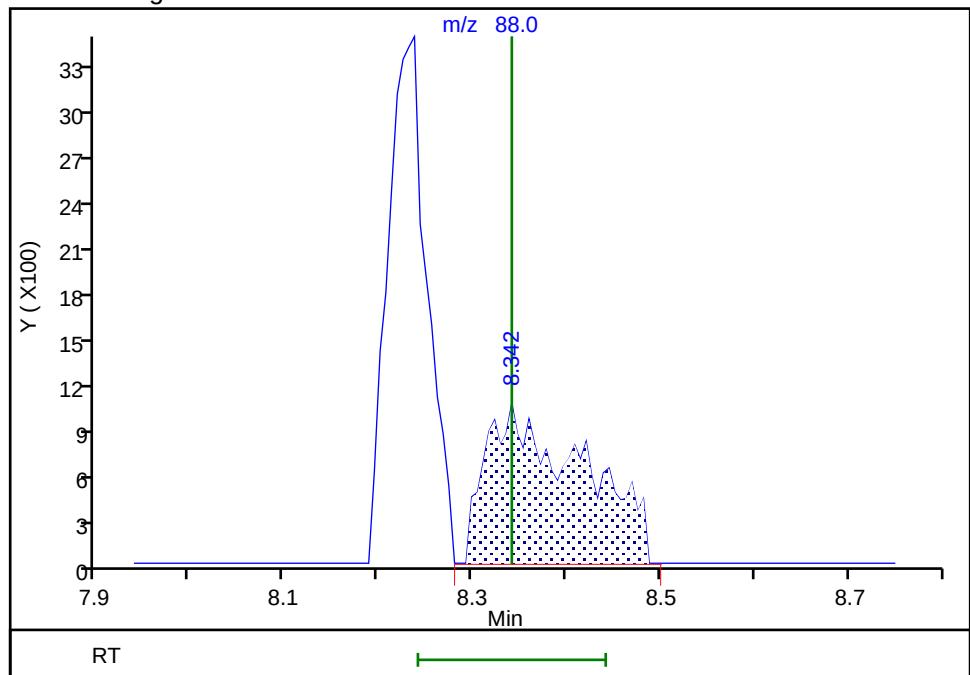
RT: 8.24
Area: 10052
Amount: 81.827348
Amount Units: ug/l

Processing Integration Results



RT: 8.34
Area: 7381
Amount: 114.7719
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:17:23 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X18.D
 Lims ID: IC std7 5
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 31-Mar-2025 17:57:30 ALS Bottle#: 18 Worklist Smp#: 19
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0142485-019
 Misc. Info.: IC STD7 5
 Operator ID: ecr105096 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 12-Apr-2025 07:05:34 Calib Date: 31-Mar-2025 18:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1648

First Level Reviewer: N7YK

Date: 01-Apr-2025 16:19:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.843	1.849	-0.006	99	358196	5.00	5.23	
5 Chloromethane	50	2.026	2.032	-0.006	99	437415	5.00	4.52	
7 Butadiene	39	2.123	2.129	-0.006	91	422391	5.00	4.82	
6 Vinyl chloride	62	2.135	2.142	-0.007	98	412199	5.00	4.88	
9 Bromomethane	94	2.416	2.428	-0.012	90	270574	5.00	4.70	
10 Chloroethane	64	2.501	2.501	0.000	100	242113	5.00	5.10	
11 Dichlorofluoromethane	67	2.708	2.715	-0.007	97	629396	5.00	4.64	
12 Trichlorofluoromethane	101	2.806	2.806	0.000	51	495457	5.00	4.95	
14 Ethyl ether	59	2.995	2.995	0.000	93	179311	5.00	5.21	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.068	3.068	0.000	96	372262	5.00	5.00	
16 Acrolein	56	3.153	3.166	-0.013	99	1073332	244.0	248.7	
17 1,1-Dichloroethene	96	3.281	3.282	-0.001	97	239637	5.00	5.01	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.324	3.324	0.000	93	269240	5.00	5.10	
19 Acetone	43	3.294	3.330	-0.036	36	198038	50.0	43.4	
21 Iodomethane	142	3.458	3.465	-0.007	98	470589	5.00	5.12	
22 Ethyl bromide	108	3.483	3.489	-0.006	99	221176	5.01	4.98	
23 Carbon disulfide	76	3.562	3.568	-0.006	99	728169	5.00	4.75	
24 Methyl acetate	43	3.684	3.721	-0.037	96	58768	5.00	4.30	M
26 3-Chloro-1-propene	41	3.714	3.721	-0.007	93	462200	5.00	4.62	
* 28 t-Butyl alcohol-d10 (IS)	65	3.940	3.885	0.055	97	62136	50.0	50.0	
27 Methylene Chloride	84	3.885	3.891	-0.006	94	258365	5.00	5.14	
29 2-Methyl-2-propanol	59	3.970	4.007	-0.037	97	126686	100.0	100.0	M
32 Methyl tert-butyl ether	73	4.257	4.263	-0.006	96	532777	5.00	4.79	
33 trans-1,2-Dichloroethene	96	4.269	4.275	-0.006	98	272734	5.00	5.09	
31 Acrylonitrile	53	4.239	4.282	-0.043	95	73458	12.5	10.6	
34 Hexane	57	4.684	4.696	-0.012	92	419580	5.00	5.19	
36 1,1-Dichloroethane	63	4.928	4.928	0.000	96	543197	5.00	5.07	
37 Isopropyl ether	45	4.982	4.995	-0.013	95	936172	5.00	5.07	
38 2-Chloro-1,3-butadiene	53	5.031	5.044	-0.013	91	474718	5.00	5.05	
40 Tert-butyl ethyl ether	59	5.525	5.531	-0.006	98	800084	5.00	4.88	

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	5.732	5.757	-0.025	100	413320	50.0	48.0	
42 cis-1,2-Dichloroethene	96	5.769	5.769	0.000	83	308170	5.00	4.82	
43 2,2-Dichloropropane	77	5.787	5.781	0.006	86	460293	5.00	5.16	
44 Propionitrile	54	5.818	5.879	-0.061	98	209596	100.0	102.4	
47 Methacrylonitrile	67	6.025	6.037	-0.012	92	510141	50.0	43.1	
48 Chlorobromomethane	128	6.098	6.098	0.000	96	116433	5.00	5.30	
49 Tetrahydrofuran	71	6.122	6.135	-0.013	80	65206	25.0	22.0	
S 46 1,2-Dichloroethene, Total	100				0			9.91	
50 Chloroform	83	6.257	6.257	-0.001	93	505612	5.00	5.06	
\$ 52 Dibromofluoromethane (Surr)	113	6.470	6.476	-0.006	94	450365	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.494	6.488	0.006	99	458327	5.00	5.07	
54 Cyclohexane	56	6.592	6.598	-0.006	91	545908	5.00	5.22	
55 1,1-Dichloropropene	75	6.702	6.708	-0.006	97	441004	5.00	5.11	
56 Carbon tetrachloride	117	6.708	6.714	-0.006	97	409159	5.00	5.10	
57 Isobutyl alcohol	41	6.866	6.879	-0.013	94	114092	250.0	268.4	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.933	6.940	-0.007	81	80687	10.0	10.2	
59 Benzene	78	6.964	6.970	-0.006	97	1225660	5.00	4.94	
60 1,2-Dichloroethane	62	7.043	7.043	0.000	97	260178	5.00	5.00	
63 Tert-amyl methyl ether	73	7.177	7.171	0.006	99	642861	5.00	4.90	
* 64 Fluorobenzene (IS)	96	7.384	7.385	-0.001	98	2063762	10.0	10.0	
65 n-Heptane	43	7.403	7.409	-0.006	93	411161	5.00	5.35	
67 n-Butanol	56	7.793	7.830	-0.037	87	145645	437.5	475.8	
68 Trichloroethene	95	7.872	7.878	-0.006	99	317432	5.00	5.01	
69 Methylcyclohexane	83	8.189	8.195	-0.006	93	558368	5.00	5.43	
70 1,2-Dichloropropane	63	8.207	8.214	-0.007	97	308924	5.00	5.17	
71 2-ethoxy-2-methyl butane	87	8.226	8.232	-0.006	91	450720	5.00	5.01	
72 Methyl methacrylate	69	8.311	8.323	-0.012	93	101557	5.00	4.09	
74 Dibromomethane	93	8.323	8.323	0.000	97	114777	5.00	5.12	
73 1,4-Dioxane	88	8.317	8.342	-0.025	31	16855	250.0	278.5	M
76 Dichlorobromomethane	83	8.567	8.567	0.000	99	341735	5.00	5.17	
77 2-Nitropropane	41	8.829	8.835	-0.006	98	138803	25.0	21.2	
79 1-Bromo-2-chloroethane	63	8.963	8.970	-0.007	98	260837	5.00	5.06	
80 cis-1,3-Dichloropropene	75	9.134	9.140	-0.006	96	429709	5.00	5.07	
82 4-Methyl-2-pentanone (MIBK)	43	9.317	9.317	0.000	97	1252416	50.0	47.1	
\$ 83 Toluene-d8 (Surr)	98	9.463	9.457	0.006	94	1991811	10.0	10.0	
84 Toluene	92	9.542	9.543	-0.001	98	773252	5.00	4.96	
85 trans-1,3-Dichloropropene	75	9.817	9.823	-0.006	93	325015	5.00	5.34	
104 Ethyl methacrylate	69	9.890	9.896	-0.006	89	240594	5.00	5.59	
106 1,1,2-Trichloroethane	97	10.030	10.030	0.000	91	164707	5.00	4.93	
S 105 1,3-Dichloropropene, Total	100				0			10.4	
107 Tetrachloroethene	166	10.116	10.116	0.000	98	355210	5.00	4.93	
108 1,3-Dichloropropane	76	10.195	10.195	0.000	91	305862	5.00	5.08	
109 2-Hexanone	43	10.256	10.262	-0.006	98	829389	50.0	42.2	
111 Chlorodibromomethane	129	10.420	10.421	-0.001	90	221442	5.00	5.35	
112 Ethylene Dibromide	107	10.530	10.536	-0.006	98	159148	5.00	5.26	
* 113 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	86	1467773	10.0	10.0	
114 1-Chlorohexane	91	10.987	10.988	-0.001	98	448562	5.00	4.67	
115 Chlorobenzene	112	10.999	11.000	-0.001	94	822690	5.00	4.95	
116 1,1,1,2-Tetrachloroethane	131	11.085	11.091	-0.006	97	280042	5.00	5.11	
117 Ethylbenzene	91	11.091	11.091	0.000	99	1522973	5.00	5.00	
119 m-Xylene & p-Xylene	106	11.213	11.213	0.000	100	1160849	10.0	10.2	
S 118 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 o-Xylene	106	11.548	11.548	0.000	97	560346	5.00	5.14	
121 Styrene	104	11.560	11.567	-0.007	95	893775	5.00	5.35	
122 Bromoform	173	11.719	11.725	-0.006	97	122492	5.00	5.35	
123 Isopropylbenzene	105	11.853	11.853	0.000	96	1321148	5.00	5.02	
\$ 126 4-Bromofluorobenzene (Surr)	95	11.999	12.000	-0.001	91	726673	10.0	10.0	
127 1,1,2,2-Tetrachloroethane	83	12.103	12.103	0.000	92	197822	5.00	5.14	
128 Bromobenzene	156	12.115	12.115	0.000	95	319438	5.00	5.04	
129 trans-1,4-Dichloro-2-butene	53	12.127	12.128	-0.001	91	486711	50.0	46.1	
130 1,2,3-Trichloropropane	110	12.146	12.146	0.000	78	49170	5.00	5.25	
131 N-Propylbenzene	91	12.188	12.189	0.000	99	1758073	5.00	5.18	
132 2-Chlorotoluene	126	12.261	12.262	-0.001	96	347917	5.00	5.15	
133 1,3,5-Trimethylbenzene	105	12.328	12.329	-0.001	94	1224047	5.00	5.15	
134 4-Chlorotoluene	126	12.353	12.359	-0.006	98	354816	5.00	5.13	
135 tert-Butylbenzene	134	12.566	12.566	0.000	93	283217	5.00	5.30	
136 Pentachloroethane	167	12.597	12.597	0.000	95	202988	5.00	5.22	
137 1,2,4-Trimethylbenzene	105	12.609	12.609	0.000	97	1235453	5.00	5.07	
138 sec-Butylbenzene	105	12.731	12.731	0.000	94	1549419	5.00	5.25	
139 1,3-Dichlorobenzene	146	12.828	12.835	-0.007	98	645894	5.00	5.17	
140 4-Isopropyltoluene	119	12.841	12.841	0.000	97	1340867	5.00	5.36	
* 141 1,4-Dichlorobenzene-d4	152	12.889	12.890	-0.001	94	782167	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.908	12.908	0.000	94	637565	5.00	4.80	
143 1,2,3-Trimethylbenzene	120	12.914	12.914	0.000	99	544501	5.00	4.92	
144 Benzyl chloride	126	12.981	12.987	-0.006	99	81539	5.00	5.33	
145 p-Diethylbenzene	119	13.115	13.115	0.000	95	791318	5.00	5.50	
146 n-Butylbenzene	92	13.139	13.140	-0.001	98	626827	5.00	5.56	
147 1,2-Dichlorobenzene	146	13.164	13.164	0.000	98	550420	5.00	5.10	
149 1,2-Dibromo-3-Chloropropane	155	13.712	13.719	-0.007	86	24721	5.00	5.04	
150 1,3,5-Trichlorobenzene	180	13.840	13.841	-0.001	98	482372	5.00	5.36	
151 1,2,4-Trichlorobenzene	180	14.261	14.261	0.000	94	380176	5.00	5.63	
152 Hexachlorobutadiene	225	14.346	14.347	-0.001	95	169599	5.00	5.24	
153 Naphthalene	128	14.444	14.444	0.000	97	580390	5.00	5.37	
154 1,2,3-Trichlorobenzene	180	14.584	14.584	0.000	96	314285	5.00	5.35	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00163

Amount Added: 5.00

Units: uL

MSV_LL_GAS826_00264

Amount Added: 5.00

Units: uL

MSV_LL_#2_826_00174

Amount Added: 5.00

Units: uL

MSV_LLcentISS_00016

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 12-Apr-2025 07:05:35

Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X18.D

Injection Date: 31-Mar-2025 17:57:30

Instrument ID: 19094

Operator ID: ecr105096

Lims ID: IC std7 5

Worklist Smp#: 19

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

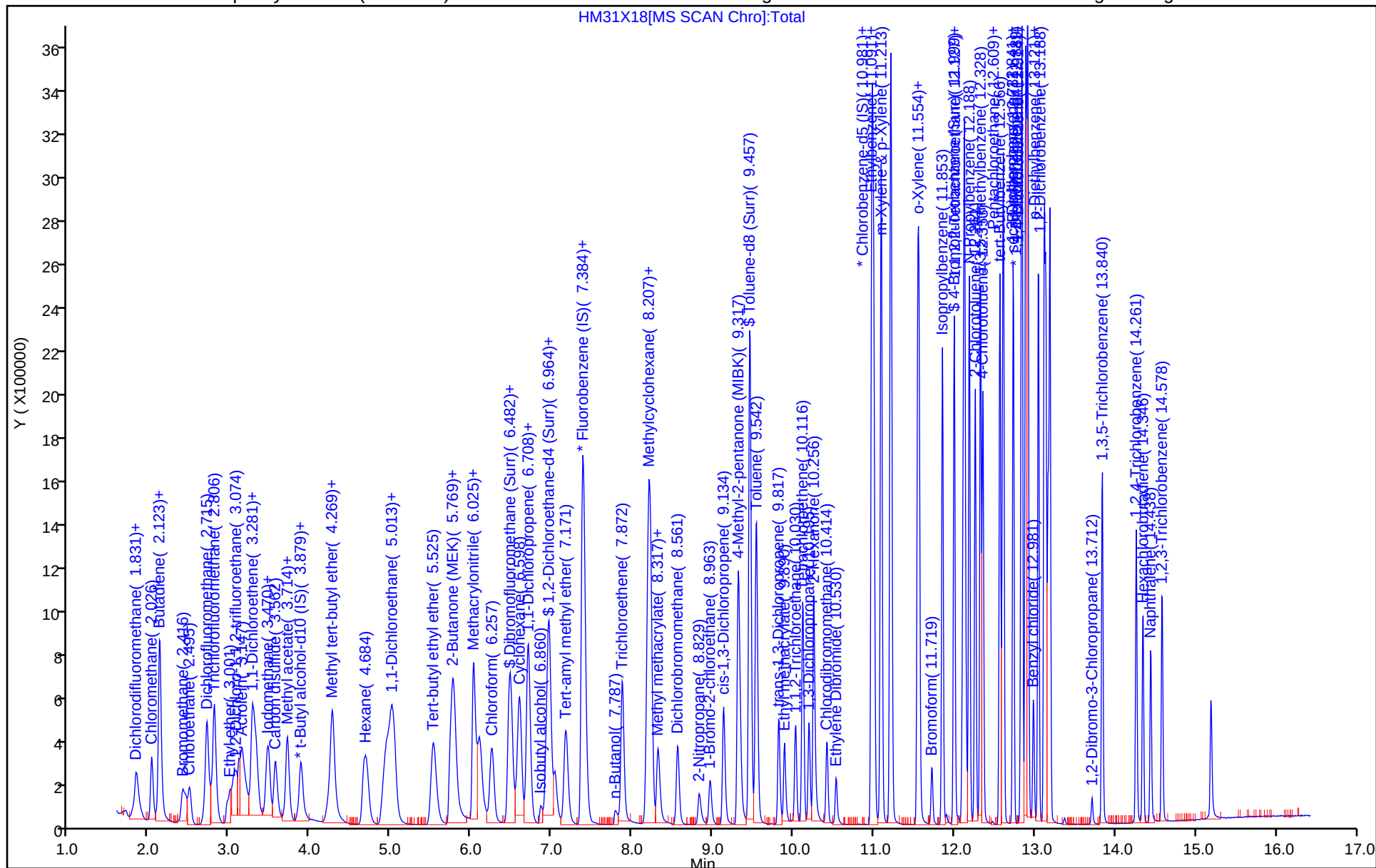
ALS Bottle#: 18

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

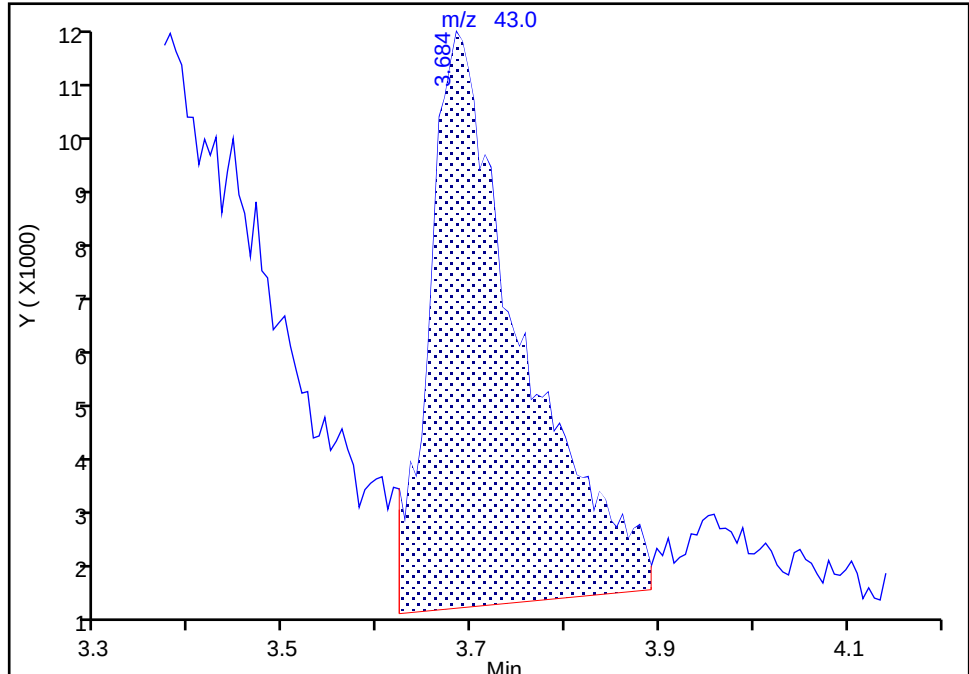
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Injection Date: 31-Mar-2025 17:57:30 Instrument ID: 19094
Lims ID: IC std7 5
Client ID:
Operator ID: ecr105096 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

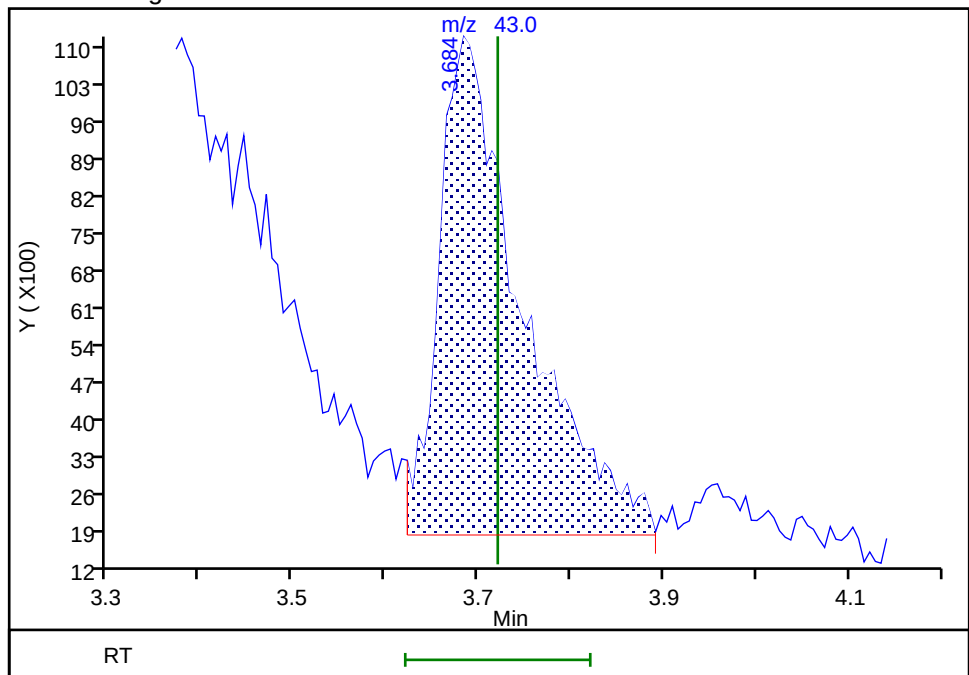
RT: 3.68
Area: 68266
Amount: 5.550812
Amount Units: ug/l

Processing Integration Results



RT: 3.68
Area: 58768
Amount: 4.297621
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:18:27 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

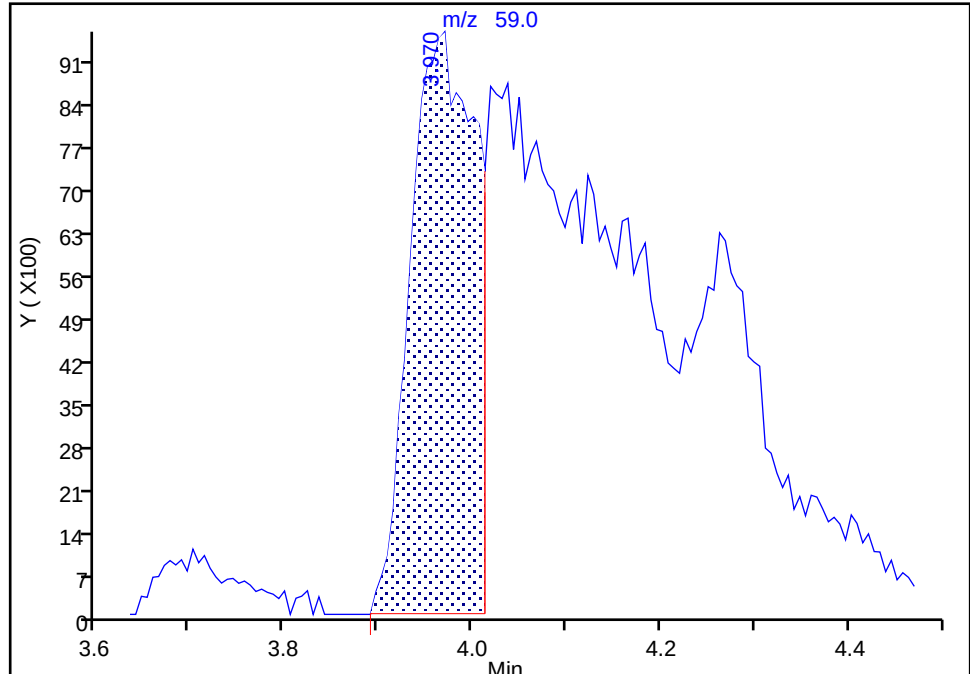
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Injection Date: 31-Mar-2025 17:57:30 Instrument ID: 19094
Lims ID: IC std7 5
Client ID:
Operator ID: ecr105096 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

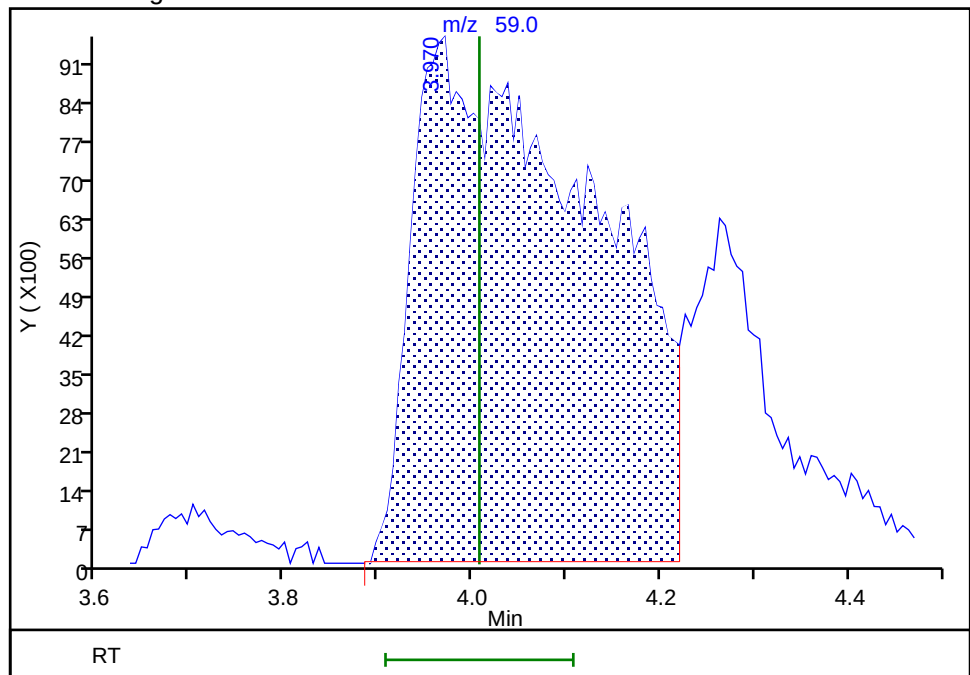
RT: 3.97
Area: 46264
Amount: 40.163434
Amount Units: ug/l

Processing Integration Results



RT: 3.97
Area: 126686
Amount: 100.0149
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 02-Apr-2025 15:26:09 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

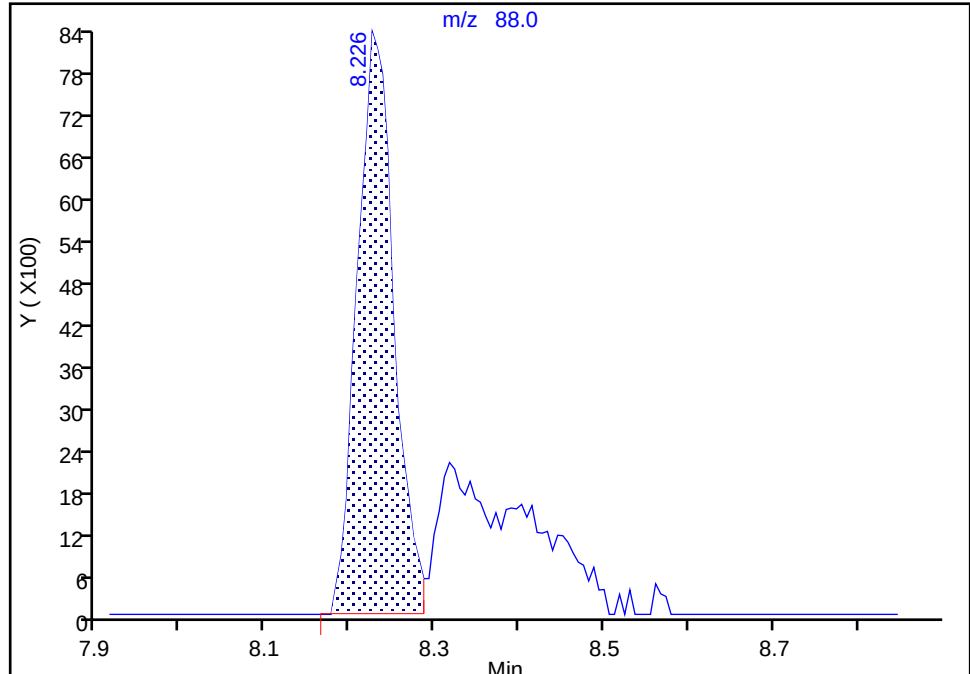
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Injection Date: 31-Mar-2025 17:57:30 Instrument ID: 19094
Lims ID: IC std7 5
Client ID:
Operator ID: ecr105096 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

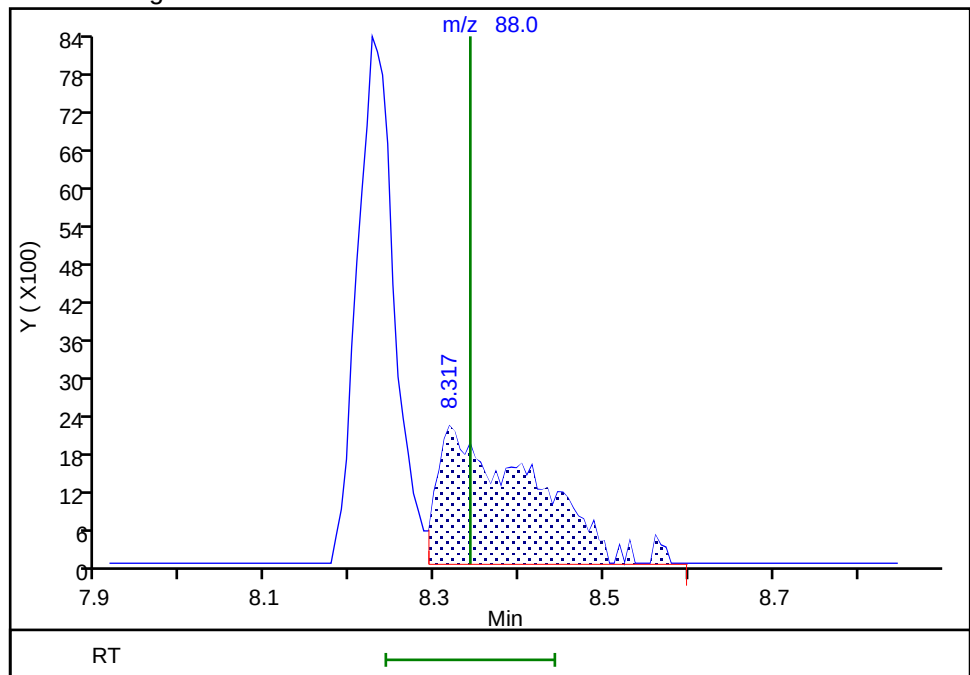
RT: 8.23
Area: 25171
Amount: 219.0979
Amount Units: ug/l

Processing Integration Results



RT: 8.32
Area: 16855
Amount: 278.4972
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:19:09 -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\19094\20250331-142485.b\HM31X19.D
 Lims ID: ICIS 10
 Client ID:
 Sample Type: ICIS Calib Level: 8
 Inject. Date: 31-Mar-2025 18:18:30 ALS Bottle#: 19 Worklist Smp#: 20
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0142485-020
 Misc. Info.: IC STD8 5
 Operator ID: ecr105096 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 12-Apr-2025 07:05:48 Calib Date: 31-Mar-2025 18:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1648

First Level Reviewer: N7YK

Date: 01-Apr-2025 16:21:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.843	1.843	0.000	99	684822	10.0	10.0	
5 Chloromethane	50	2.032	2.032	0.000	99	825996	10.0	8.56	
7 Butadiene	39	2.129	2.129	0.000	91	838276	10.0	9.60	
6 Vinyl chloride	62	2.142	2.142	0.000	98	803735	10.0	9.56	
9 Bromomethane	94	2.422	2.422	0.000	90	539560	10.0	9.42	
10 Chloroethane	64	2.501	2.501	0.000	100	480520	10.0	10.2	
11 Dichlorofluoromethane	67	2.721	2.721	0.000	97	1258835	10.0	9.32	
12 Trichlorofluoromethane	101	2.812	2.812	0.000	52	965453	10.0	9.69	
14 Ethyl ether	59	3.001	3.001	0.000	92	356906	10.0	10.4	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.080	3.080	0.000	94	735418	10.0	9.91	
16 Acrolein	56	3.160	3.160	0.000	100	1748458	487.9	598.9	
17 1,1-Dichloroethene	96	3.288	3.288	0.000	97	474094	10.0	9.95	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.324	3.324	0.000	93	535287	10.0	10.2	
19 Acetone	43	3.312	3.312	0.000	40	301424	100.0	97.6	
21 Iodomethane	142	3.471	3.471	0.000	98	936883	10.0	10.2	
22 Ethyl bromide	108	3.495	3.495	0.000	98	453735	10.0	10.3	
23 Carbon disulfide	76	3.574	3.574	0.000	99	1442928	10.0	9.44	
24 Methyl acetate	43	3.690	3.690	0.000	97	110992	10.0	11.2	M
26 3-Chloro-1-propene	41	3.721	3.721	0.000	93	934273	10.0	9.39	
* 28 t-Butyl alcohol-d10 (IS)	65	3.910	3.910	0.000	28	42040	50.0	50.0	
27 Methylene Chloride	84	3.885	3.885	0.000	94	506569	10.0	10.1	
29 2-Methyl-2-propanol	59	4.019	4.019	0.000	95	179047	200.0	208.9	
32 Methyl tert-butyl ether	73	4.269	4.269	0.000	96	1039257	10.0	9.38	
33 trans-1,2-Dichloroethene	96	4.281	4.281	0.000	99	552036	10.0	10.3	
31 Acrylonitrile	53	4.221	4.221	0.000	98	135115	25.0	26.1	M
34 Hexane	57	4.696	4.696	0.000	92	832592	10.0	10.3	
36 1,1-Dichloroethane	63	4.928	4.928	0.000	96	1082044	10.0	10.1	
37 Isopropyl ether	45	4.989	4.989	0.000	95	1869370	10.0	10.2	
38 2-Chloro-1,3-butadiene	53	5.037	5.037	0.000	91	951627	10.0	10.2	
40 Tert-butyl ethyl ether	59	5.537	5.537	0.000	99	1582202	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
41 2-Butanone (MEK)	43	5.732	5.732	0.000	100	747791	100.0	128.2	
42 cis-1,2-Dichloroethene	96	5.769	5.769	0.000	83	624945	10.0	9.82	
43 2,2-Dichloropropane	77	5.787	5.787	0.000	87	906807	10.0	10.2	
44 Propionitrile	54	5.836	5.836	0.000	99	320549	200.0	231.5	
47 Methacrylonitrile	67	6.031	6.031	0.000	92	939001	100.0	112.9	
48 Chlorobromomethane	128	6.098	6.098	0.000	97	225958	10.0	10.3	
49 Tetrahydrofuran	71	6.123	6.123	0.000	81	113415	50.0	55.4	
50 Chloroform	83	6.257	6.257	0.000	93	1004861	10.0	10.1	
\$ 52 Dibromofluoromethane (Surr)	113	6.476	6.476	0.000	93	442094	10.0	9.90	
53 1,1,1-Trichloroethane	97	6.494	6.494	0.000	99	914274	10.0	10.2	
54 Cyclohexane	56	6.598	6.598	0.000	91	1082353	10.0	10.4	
55 1,1-Dichloropropene	75	6.708	6.708	0.000	97	872697	10.0	10.1	
56 Carbon tetrachloride	117	6.714	6.714	0.000	96	820643	10.0	10.3	
57 Isobutyl alcohol	41	6.866	6.866	0.000	95	159298	500.0	553.9	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.933	6.933	0.000	83	78187	10.0	9.89	
59 Benzene	78	6.970	6.970	0.000	96	2473254	10.0	10.0	
60 1,2-Dichloroethane	62	7.043	7.043	0.000	97	517655	10.0	10.0	
63 Tert-amyl methyl ether	73	7.177	7.177	0.000	98	1260937	10.0	9.65	
* 64 Fluorobenzene (IS)	96	7.385	7.385	0.000	99	2055680	10.0	10.0	
65 n-Heptane	43	7.409	7.409	0.000	92	816417	10.0	10.7	
67 n-Butanol	56	7.793	7.793	0.000	89	179700	875.0	853.3	
68 Trichloroethene	95	7.878	7.878	0.000	99	641479	10.0	10.2	
69 Methylcyclohexane	83	8.195	8.195	0.000	93	1101781	10.0	10.8	
70 1,2-Dichloropropane	63	8.208	8.208	0.000	87	620370	10.0	10.4	
71 2-ethoxy-2-methyl butane	87	8.232	8.232	0.000	92	916075	10.0	10.2	
72 Methyl methacrylate	69	8.311	8.311	0.000	90	206061	10.0	11.6	
74 Dibromomethane	93	8.323	8.323	0.000	96	228407	10.0	10.2	
73 1,4-Dioxane	88	8.329	8.329	0.000	28	21492	500.0	524.9	M
76 Dichlorobromomethane	83	8.561	8.561	0.000	99	691544	10.0	10.5	
77 2-Nitropropane	41	8.835	8.835	0.000	98	245985	50.0	55.5	
79 1-Bromo-2-chloroethane	63	8.963	8.963	0.000	99	534769	10.0	10.4	
80 cis-1,3-Dichloropropene	75	9.134	9.134	0.000	96	871613	10.0	10.3	
82 4-Methyl-2-pentanone (MIBK)	43	9.317	9.317	0.000	97	2286851	100.0	127.1	
\$ 83 Toluene-d8 (Surr)	98	9.463	9.463	0.000	93	1991289	10.0	10.1	
84 Toluene	92	9.543	9.543	0.000	98	1550629	10.0	10.0	
85 trans-1,3-Dichloropropene	75	9.817	9.817	0.000	93	662842	10.0	11.0	
104 Ethyl methacrylate	69	9.890	9.890	0.000	90	473893	10.0	11.1	
106 1,1,2-Trichloroethane	97	10.030	10.030	0.000	91	327008	10.0	9.85	
107 Tetrachloroethene	166	10.116	10.116	0.000	98	714372	10.0	9.97	
108 1,3-Dichloropropane	76	10.195	10.195	0.000	90	608829	10.0	10.2	
109 2-Hexanone	43	10.250	10.250	0.000	97	1523596	100.0	111.7	
111 Chlorodibromomethane	129	10.414	10.414	0.000	90	440242	10.0	10.7	
112 Ethylene Dibromide	107	10.530	10.530	0.000	99	311584	10.0	10.4	
* 113 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	86	1458607	10.0	10.0	
114 1-Chlorohexane	91	10.987	10.987	0.000	98	907212	10.0	9.50	
115 Chlorobenzene	112	11.000	11.000	0.000	94	1655938	10.0	10.0	
116 1,1,1,2-Tetrachloroethane	131	11.091	11.091	0.000	96	562207	10.0	10.3	
117 Ethylbenzene	91	11.091	11.091	0.000	99	3108222	10.0	10.3	
119 m-Xylene & p-Xylene	106	11.213	11.213	0.000	100	2362025	20.0	20.8	
120 o-Xylene	106	11.548	11.548	0.000	97	1134829	10.0	10.5	
121 Styrene	104	11.561	11.561	0.000	94	1825564	10.0	11.0	
122 Bromoform	173	11.719	11.719	0.000	98	241935	10.0	10.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 Isopropylbenzene	105	11.853	11.853	0.000	96	2710322	10.0	10.4	
\$ 126 4-Bromofluorobenzene (Surr)	95	11.999	11.999	0.000	91	718905	10.0	9.95	
127 1,1,2,2-Tetrachloroethane	83	12.103	12.103	0.000	92	373408	10.0	9.59	
128 Bromobenzene	156	12.115	12.115	0.000	95	644886	10.0	10.0	
129 trans-1,4-Dichloro-2-butene	53	12.128	12.128	0.000	90	927237	100.0	129.9	
130 1,2,3-Trichloropropane	110	12.146	12.146	0.000	79	90244	10.0	9.52	
131 N-Propylbenzene	91	12.188	12.188	0.000	99	3623808	10.0	10.6	
132 2-Chlorotoluene	126	12.262	12.262	0.000	96	699144	10.0	10.2	
133 1,3,5-Trimethylbenzene	105	12.323	12.323	0.000	94	2532050	10.0	10.5	
134 4-Chlorotoluene	126	12.353	12.353	0.000	98	716408	10.0	10.2	
135 tert-Butylbenzene	134	12.566	12.566	0.000	93	578253	10.0	10.7	
136 Pentachloroethane	167	12.597	12.597	0.000	92	429014	10.0	10.9	
137 1,2,4-Trimethylbenzene	105	12.609	12.609	0.000	97	2570379	10.0	10.4	
138 sec-Butylbenzene	105	12.731	12.731	0.000	94	3208232	10.0	10.7	
139 1,3-Dichlorobenzene	146	12.829	12.829	0.000	98	1313952	10.0	10.4	
140 4-Isopropyltoluene	119	12.841	12.841	0.000	97	2789673	10.0	11.0	
* 141 1,4-Dichlorobenzene-d4	152	12.890	12.890	0.000	94	791747	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.908	12.908	0.000	93	1302458	10.0	9.69	
143 1,2,3-Trimethylbenzene	120	12.914	12.914	0.000	99	1113366	10.0	9.93	
144 Benzyl chloride	126	12.981	12.981	0.000	99	155958	10.0	10.1	
145 p-Diethylbenzene	119	13.115	13.115	0.000	94	1655484	10.0	11.4	
146 n-Butylbenzene	92	13.133	13.133	0.000	97	1328334	10.0	11.6	
147 1,2-Dichlorobenzene	146	13.164	13.164	0.000	98	1119367	10.0	10.3	
149 1,2-Dibromo-3-Chloropropane	155	13.713	13.713	0.000	87	44187	10.0	8.82	
150 1,3,5-Trichlorobenzene	180	13.841	13.841	0.000	98	1011421	10.0	11.1	
151 1,2,4-Trichlorobenzene	180	14.261	14.261	0.000	94	792689	10.0	11.6	
152 Hexachlorobutadiene	225	14.347	14.347	0.000	96	362428	10.0	11.1	
153 Naphthalene	128	14.438	14.438	0.000	97	1124483	10.0	10.3	
154 1,2,3-Trichlorobenzene	180	14.584	14.584	0.000	96	646826	10.0	10.9	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00163	Amount Added: 10.00	Units: uL	
MSV_LL_GAS826_00264	Amount Added: 10.00	Units: uL	
MSV_LL_#2_826_00174	Amount Added: 10.00	Units: uL	
MSV_LLcentISS_00016	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 12-Apr-2025 07:05:48

Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X19.D

Injection Date: 31-Mar-2025 18:18:30

Instrument ID: 19094

Operator ID: ecr105096

Lims ID: ICIS 10

Worklist Smp#: 20

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

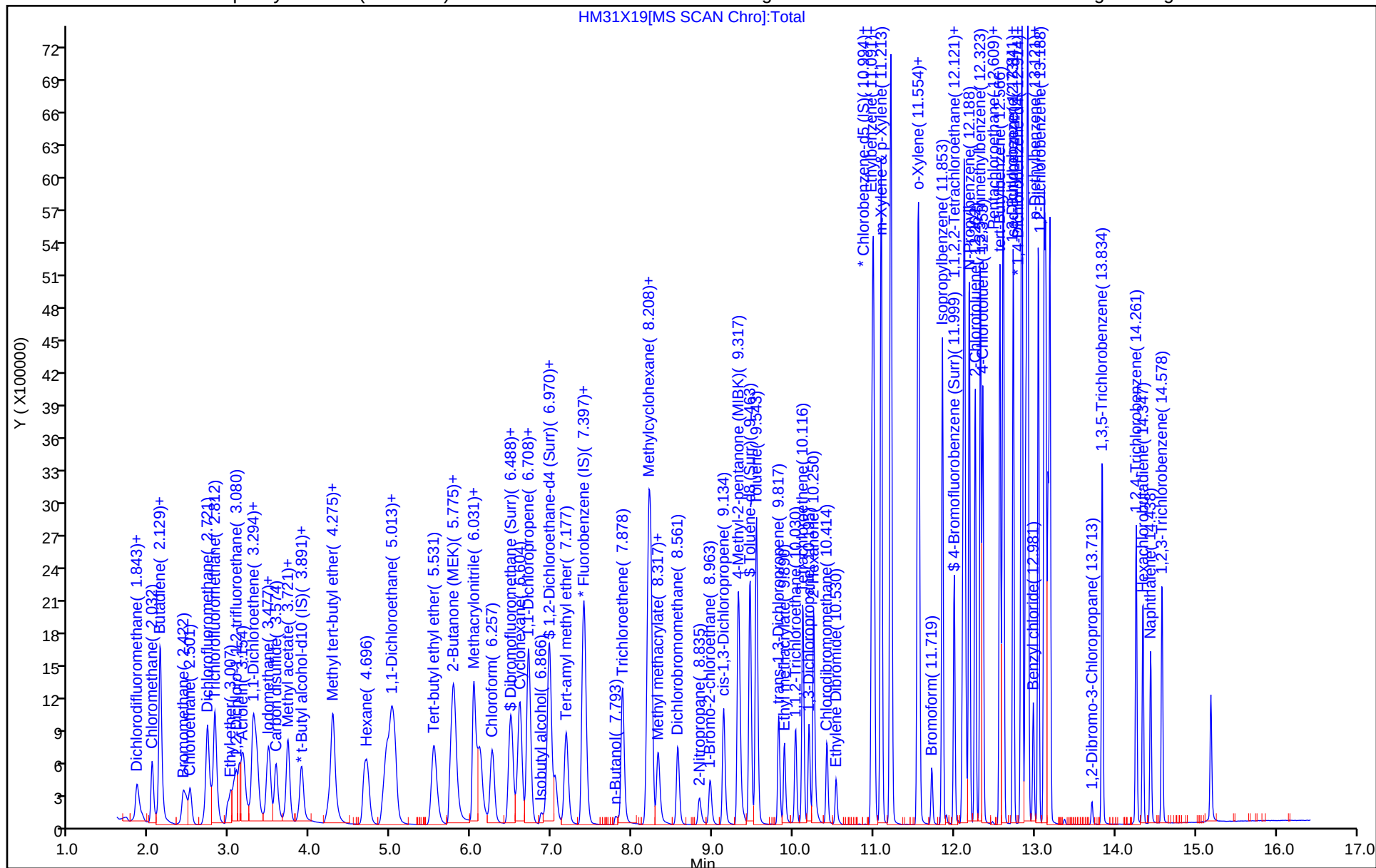
ALS Bottle#: 19

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

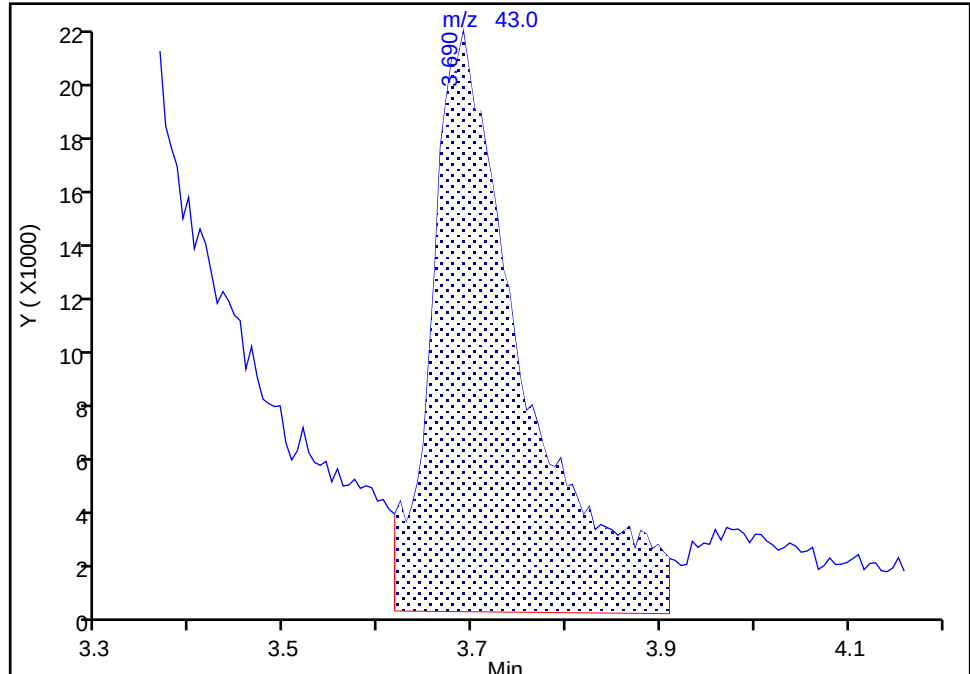
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Injection Date: 31-Mar-2025 18:18:30 Instrument ID: 19094
Lims ID: ICIS 10
Client ID:
Operator ID: ecr105096 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

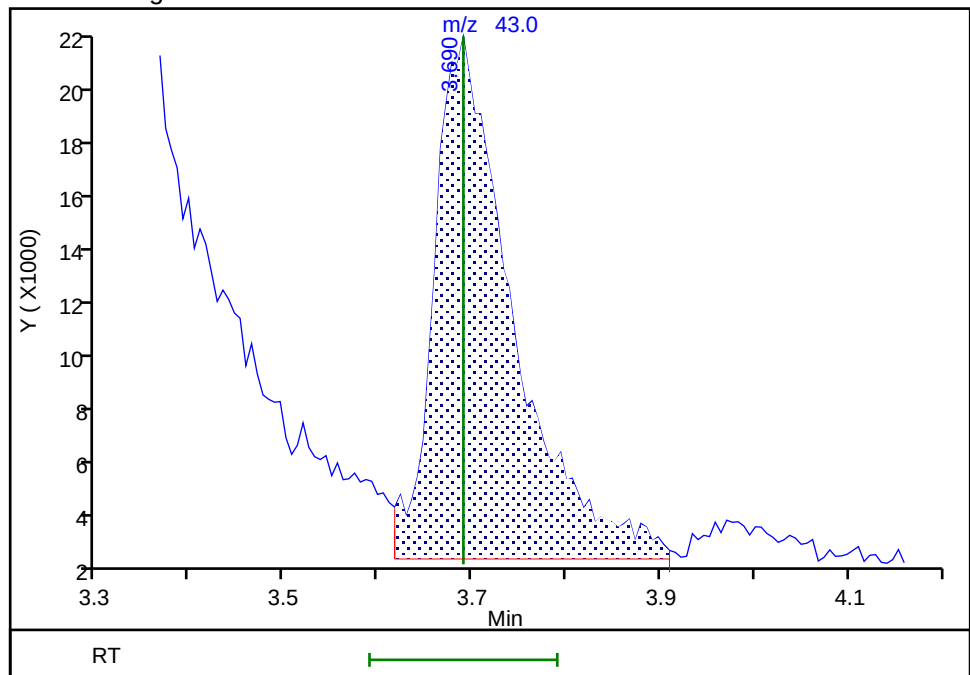
RT: 3.69
Area: 140386
Amount: 17.252290
Amount Units: ug/l

Processing Integration Results



RT: 3.69
Area: 110992
Amount: 11.177177
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:20:09 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

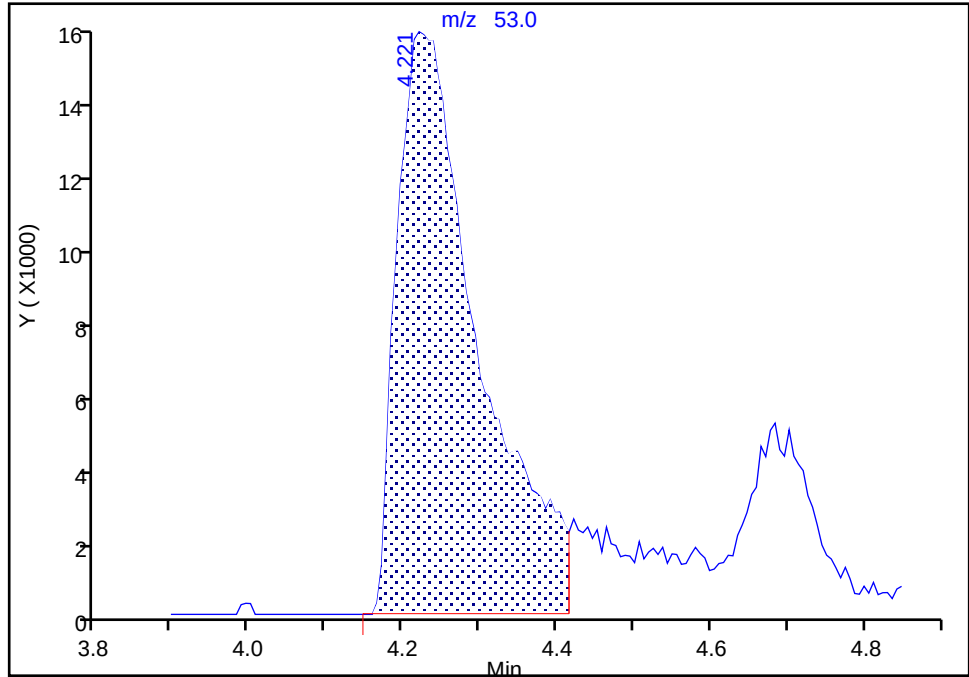
Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X19.D
Injection Date: 31-Mar-2025 18:18:30 Instrument ID: 19094
Lims ID: ICIS 10
Client ID:
Operator ID: ecr105096 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

31 Acrylonitrile, CAS: 107-13-1

Signal: 1

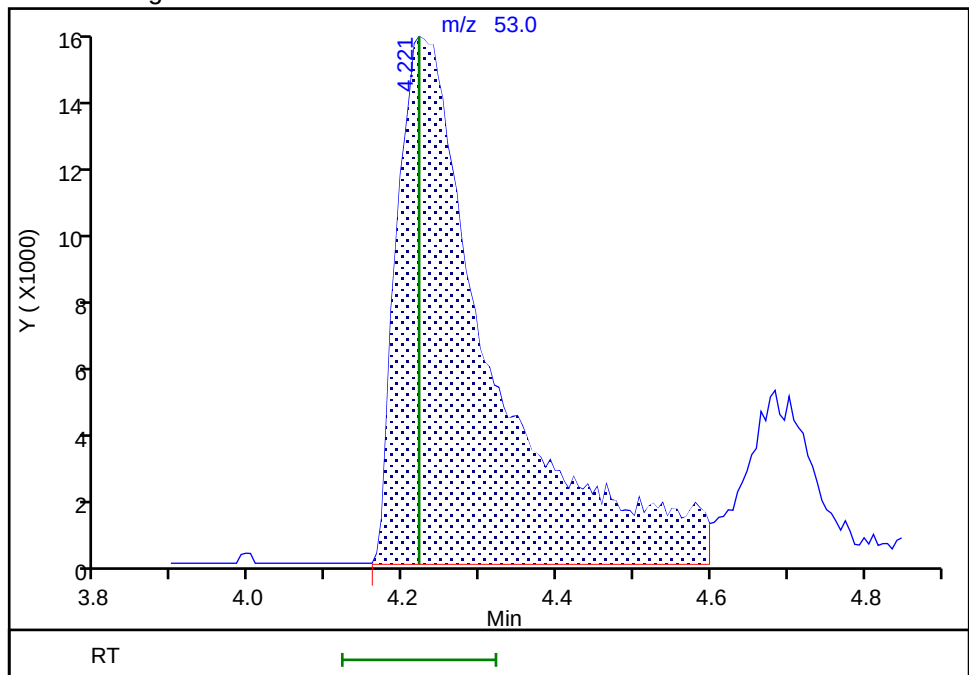
RT: 4.22
Area: 115739
Amount: 29.920761
Amount Units: ug/l

Processing Integration Results



RT: 4.22
Area: 135115
Amount: 26.115333
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 11-Apr-2025 09:53:38 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Other

Eurofins Lancaster Laboratories Environment Testing, LLC

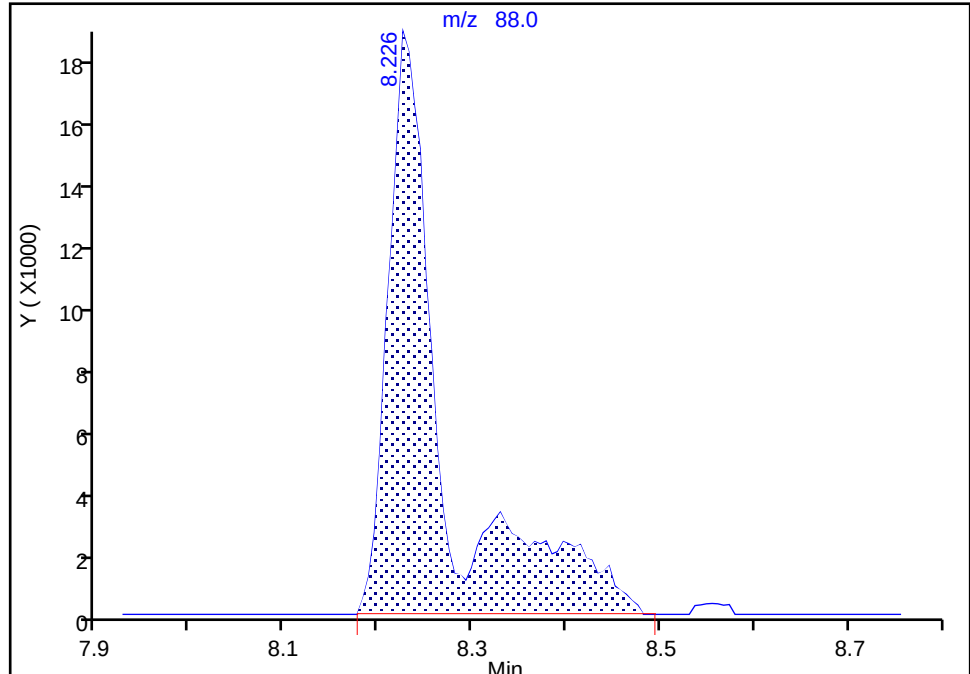
Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X19.D
Injection Date: 31-Mar-2025 18:18:30 Instrument ID: 19094
Lims ID: ICIS 10
Client ID:
Operator ID: ecr105096 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

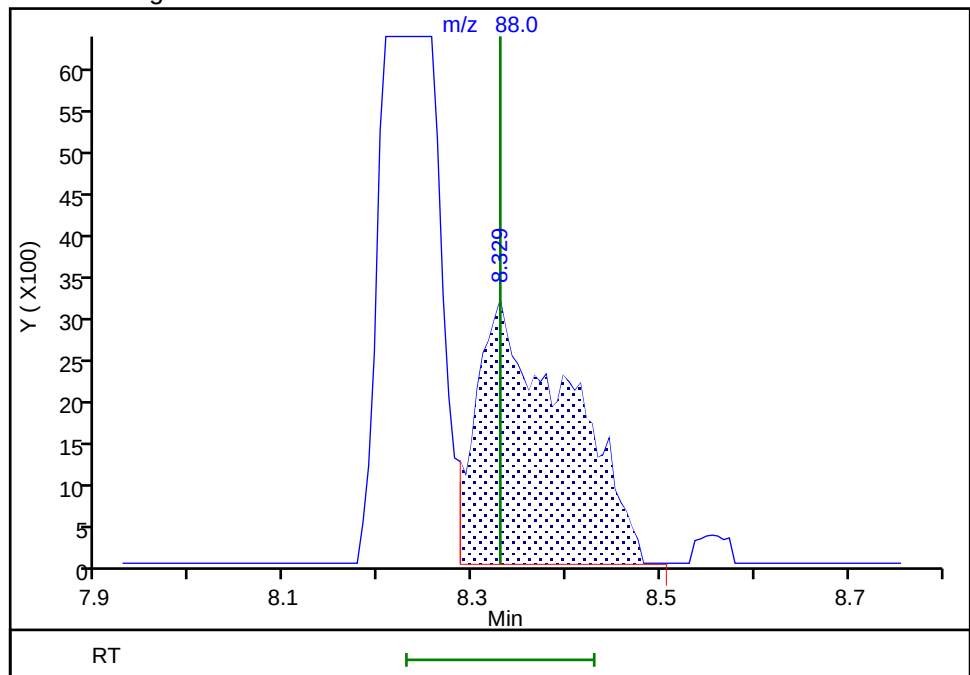
RT: 8.23
Area: 72886
Amount: 983.5787
Amount Units: ug/l

Processing Integration Results



RT: 8.33
Area: 21492
Amount: 524.8674
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:20:51 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
 Lims ID: IC std9 25
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 31-Mar-2025 18:38:30 ALS Bottle#: 20 Worklist Smp#: 21
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0142485-021
 Misc. Info.: IC STD9 25
 Operator ID: ecr105096 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 12-Apr-2025 07:06:01 Calib Date: 31-Mar-2025 18:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1648

First Level Reviewer: UKEK

Date: 12-Apr-2025 06:58:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.843	1.843	0.000	99	1816726	25.0	25.7	
5 Chloromethane	50	2.032	2.032	0.000	99	2161862	25.0	21.7	
7 Butadiene	39	2.129	2.129	0.000	92	2160964	25.0	23.9	
6 Vinyl chloride	62	2.142	2.142	0.000	98	2159447	25.0	24.8	
9 Bromomethane	94	2.422	2.422	0.000	90	1425463	25.0	24.1	
10 Chloroethane	64	2.507	2.501	0.006	100	1243904	25.0	25.4	
11 Dichlorofluoromethane	67	2.721	2.721	0.000	97	3282329	25.0	23.5	
12 Trichlorofluoromethane	101	2.812	2.812	0.000	98	2568839	25.0	24.9	
14 Ethyl ether	59	3.001	3.001	0.000	92	919504	25.0	25.9	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.081	3.080	0.000	94	1970457	25.0	25.7	
16 Acrolein	56	3.154	3.160	-0.006	99	4249542	1219.8	1145.3	
17 1,1-Dichloroethene	96	3.288	3.288	0.000	98	1242808	25.0	25.2	
19 Acetone	43	3.306	3.312	-0.006	44	915437	250.0	233.2	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.330	3.324	0.006	94	1401381	25.0	25.8	
21 Iodomethane	142	3.465	3.471	-0.006	98	2390067	25.0	25.3	
22 Ethyl bromide	108	3.489	3.495	-0.006	98	1140749	25.0	24.9	
23 Carbon disulfide	76	3.574	3.574	0.000	99	3773894	25.0	23.9	
24 Methyl acetate	43	3.684	3.690	-0.006	96	318970	25.0	24.7	M
26 3-Chloro-1-propene	41	3.721	3.721	0.000	93	2405398	25.0	23.4	
27 Methylene Chloride	84	3.885	3.885	0.000	94	1283561	25.0	24.8	M
* 28 t-Butyl alcohol-d10 (IS)	65	3.879	3.910	-0.031	29	53430	50.0	50.0	
29 2-Methyl-2-propanol	59	4.013	4.019	-0.006	98	500668	500.0	459.7	
31 Acrylonitrile	53	4.208	4.221	-0.012	98	425436	62.5	62.4	M
32 Methyl tert-butyl ether	73	4.269	4.269	0.000	95	2750917	25.0	24.0	
33 trans-1,2-Dichloroethene	96	4.275	4.281	-0.006	98	1431144	25.0	25.9	
34 Hexane	57	4.690	4.696	-0.006	92	2179243	25.0	26.2	
36 1,1-Dichloroethane	63	4.928	4.928	0.000	96	2774130	25.0	25.2	
37 Isopropyl ether	45	4.995	4.989	0.006	95	4873821	25.0	25.6	
38 2-Chloro-1,3-butadiene	53	5.037	5.037	0.000	91	2506048	25.0	25.9	
40 Tert-butyl ethyl ether	59	5.537	5.537	0.000	98	4113367	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
41 2-Butanone (MEK)	43	5.726	5.732	-0.006	100	2189644	250.0	295.4	
42 cis-1,2-Dichloroethene	96	5.769	5.769	0.000	83	1604222	25.0	24.4	
43 2,2-Dichloropropane	77	5.787	5.787	0.000	90	2378090	25.0	25.9	
44 Propionitrile	54	5.806	5.836	-0.030	99	1068421	500.0	607.2	
47 Methacrylonitrile	67	6.025	6.031	-0.006	92	2639198	250.0	246.5	
48 Chlorobromomethane	128	6.104	6.098	0.006	97	583204	25.0	25.8	
49 Tetrahydrofuran	71	6.116	6.123	-0.007	86	326622	125.0	124.6	
S 46 1,2-Dichloroethene, Total	100				0			50.3	
50 Chloroform	83	6.257	6.257	0.000	93	2626503	25.0	25.5	
\$ 52 Dibromofluoromethane (Surr)	113	6.476	6.476	0.000	94	459135	10.0	9.95	
53 1,1,1-Trichloroethane	97	6.501	6.494	0.007	99	2392335	25.0	25.7	
54 Cyclohexane	56	6.604	6.598	0.006	91	2838389	25.0	26.4	
55 1,1-Dichloropropene	75	6.708	6.708	0.000	98	2327796	25.0	26.2	
56 Carbon tetrachloride	117	6.714	6.714	0.000	97	2193314	25.0	26.5	
57 Isobutyl alcohol	41	6.866	6.866	0.000	95	494957	1250.0	1354.1	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.933	6.933	0.000	94	80434	10.0	9.84	
59 Benzene	78	6.970	6.970	0.000	96	6433627	25.0	25.2	
60 1,2-Dichloroethane	62	7.043	7.043	0.000	97	1367284	25.0	25.5	
63 Tert-amyl methyl ether	73	7.177	7.177	0.000	98	3362992	25.0	24.9	
* 64 Fluorobenzene (IS)	96	7.385	7.385	0.000	99	2125436	10.0	10.0	
65 n-Heptane	43	7.409	7.409	0.000	93	2181076	25.0	27.6	
67 n-Butanol	56	7.775	7.793	-0.018	89	593492	2187.5	2189.4	
68 Trichloroethene	95	7.878	7.878	0.000	99	1665996	25.0	25.5	
69 Methylcyclohexane	83	8.195	8.195	0.000	93	2928143	25.0	27.7	
70 1,2-Dichloropropane	63	8.208	8.208	0.000	98	1633980	25.0	26.6	
71 2-ethoxy-2-methyl butane	87	8.232	8.232	0.000	92	2419820	25.0	26.1	
72 Methyl methacrylate	69	8.305	8.311	-0.006	91	560851	25.0	24.6	
74 Dibromomethane	93	8.323	8.323	0.000	96	609917	25.0	26.4	
73 1,4-Dioxane	88	8.329	8.329	0.000	28	63092	1250.0	1212.3	M
76 Dichlorobromomethane	83	8.561	8.561	0.000	99	1820151	25.0	26.8	
77 2-Nitropropane	41	8.829	8.835	-0.006	98	717809	125.0	127.3	
79 1-Bromo-2-chloroethane	63	8.964	8.963	0.001	98	1371435	25.0	25.9	
80 cis-1,3-Dichloropropene	75	9.134	9.134	0.000	96	2290634	25.0	26.2	
82 4-Methyl-2-pentanone (MIBK)	43	9.317	9.317	0.000	97	6500745	250.0	284.3	
\$ 83 Toluene-d8 (Surr)	98	9.463	9.463	0.000	93	2049064	10.0	10.0	
84 Toluene	92	9.543	9.543	0.000	98	4060259	25.0	25.3	
85 trans-1,3-Dichloropropene	75	9.817	9.817	0.000	93	1766910	25.0	28.2	
104 Ethyl methacrylate	69	9.884	9.890	-0.006	90	1281420	25.0	28.9	
106 1,1,2-Trichloroethane	97	10.030	10.030	0.000	90	870847	25.0	25.3	
S 105 1,3-Dichloropropene, Total	100				0			54.5	
107 Tetrachloroethene	166	10.116	10.116	0.000	98	1877143	25.0	25.3	
108 1,3-Dichloropropane	76	10.195	10.195	0.000	90	1597825	25.0	25.8	
109 2-Hexanone	43	10.250	10.250	0.000	97	4366466	250.0	249.9	
111 Chlorodibromomethane	129	10.414	10.414	0.000	90	1181335	25.0	27.7	
112 Ethylene Dibromide	107	10.530	10.530	0.000	99	831238	25.0	26.7	
* 113 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	85	1510883	10.0	10.0	
114 1-Chlorohexane	91	10.988	10.987	0.001	98	2375866	25.0	24.0	
115 Chlorobenzene	112	11.000	11.000	0.000	96	4337493	25.0	25.3	
116 1,1,1,2-Tetrachloroethane	131	11.091	11.091	0.000	96	1516707	25.0	26.9	
117 Ethylbenzene	91	11.091	11.091	0.000	98	8193836	25.0	26.1	
119 m-Xylene & p-Xylene	106	11.213	11.213	0.000	100	6248331	50.0	53.2	
S 118 Xylenes, Total	106				0			79.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 o-Xylene	106	11.548	11.548	0.000	97	2985695	25.0	26.6	
121 Styrene	104	11.561	11.561	0.000	95	4814851	25.0	28.0	
122 Bromoform	173	11.719	11.719	0.000	98	668052	25.0	28.3	
123 Isopropylbenzene	105	11.853	11.853	0.000	96	7082025	25.0	26.1	
\$ 126 4-Bromofluorobenzene (Surr)	95	11.999	11.999	0.000	91	752933	10.0	10.1	
127 1,1,2,2-Tetrachloroethane	83	12.103	12.103	0.000	92	1038664	25.0	25.4	
128 Bromobenzene	156	12.109	12.115	-0.006	95	1714753	25.0	25.5	
129 trans-1,4-Dichloro-2-butene	53	12.128	12.128	0.000	89	2646536	250.0	291.8	
130 1,2,3-Trichloropropane	110	12.146	12.146	0.000	79	255060	25.0	25.7	
131 N-Propylbenzene	91	12.188	12.188	0.000	99	9592666	25.0	26.7	
132 2-Chlorotoluene	126	12.262	12.262	0.000	96	1881131	25.0	26.2	
133 1,3,5-Trimethylbenzene	105	12.329	12.323	0.006	94	6774756	25.0	26.8	
134 4-Chlorotoluene	126	12.353	12.353	0.000	98	1908151	25.0	26.0	
135 tert-Butylbenzene	134	12.566	12.566	0.000	93	1538331	25.0	27.1	
136 Pentachloroethane	167	12.597	12.597	0.000	95	1151466	25.0	27.9	
137 1,2,4-Trimethylbenzene	105	12.609	12.609	0.000	98	6908702	25.0	26.7	
138 sec-Butylbenzene	105	12.731	12.731	0.000	96	8520663	25.0	27.2	
139 1,3-Dichlorobenzene	146	12.829	12.829	0.000	98	3570672	25.0	27.0	
140 4-Isopropyltoluene	119	12.841	12.841	0.000	97	7509078	25.0	28.3	
* 141 1,4-Dichlorobenzene-d4	152	12.890	12.890	0.000	94	829879	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.908	12.908	0.000	94	3514732	25.0	25.0	
143 1,2,3-Trimethylbenzene	120	12.914	12.914	0.000	99	2990137	25.0	25.4	
144 Benzyl chloride	126	12.981	12.981	0.000	99	442180	25.0	27.2	
145 p-Diethylbenzene	119	13.115	13.115	0.000	95	4513158	25.0	29.6	
146 n-Butylbenzene	92	13.133	13.133	0.000	97	3639340	25.0	30.4	
147 1,2-Dichlorobenzene	146	13.164	13.164	0.000	98	3049079	25.0	26.6	
149 1,2-Dibromo-3-Chloropropane	155	13.713	13.713	0.000	96	134066	25.0	25.3	
150 1,3,5-Trichlorobenzene	180	13.841	13.841	0.000	98	2769597	25.0	29.0	
151 1,2,4-Trichlorobenzene	180	14.261	14.261	0.000	94	2174379	25.0	30.4	
152 Hexachlorobutadiene	225	14.347	14.347	0.000	95	1030024	25.0	30.0	
153 Naphthalene	128	14.438	14.438	0.000	97	3134737	25.0	27.3	
154 1,2,3-Trichlorobenzene	180	14.578	14.584	-0.006	95	1756332	25.0	28.2	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00163

Amount Added: 25.00

Units: uL

MSV_LL_GAS826_00264

Amount Added: 25.00

Units: uL

MSV_LL_#2_826_00174

Amount Added: 25.00

Units: uL

MSV_LLcentISS_00016

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 12-Apr-2025 07:06:01

Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D

Injection Date: 31-Mar-2025 18:38:30

Instrument ID: 19094

Operator ID: ecr105096

Lims ID: IC std9 25

Worklist Smp#: 21

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

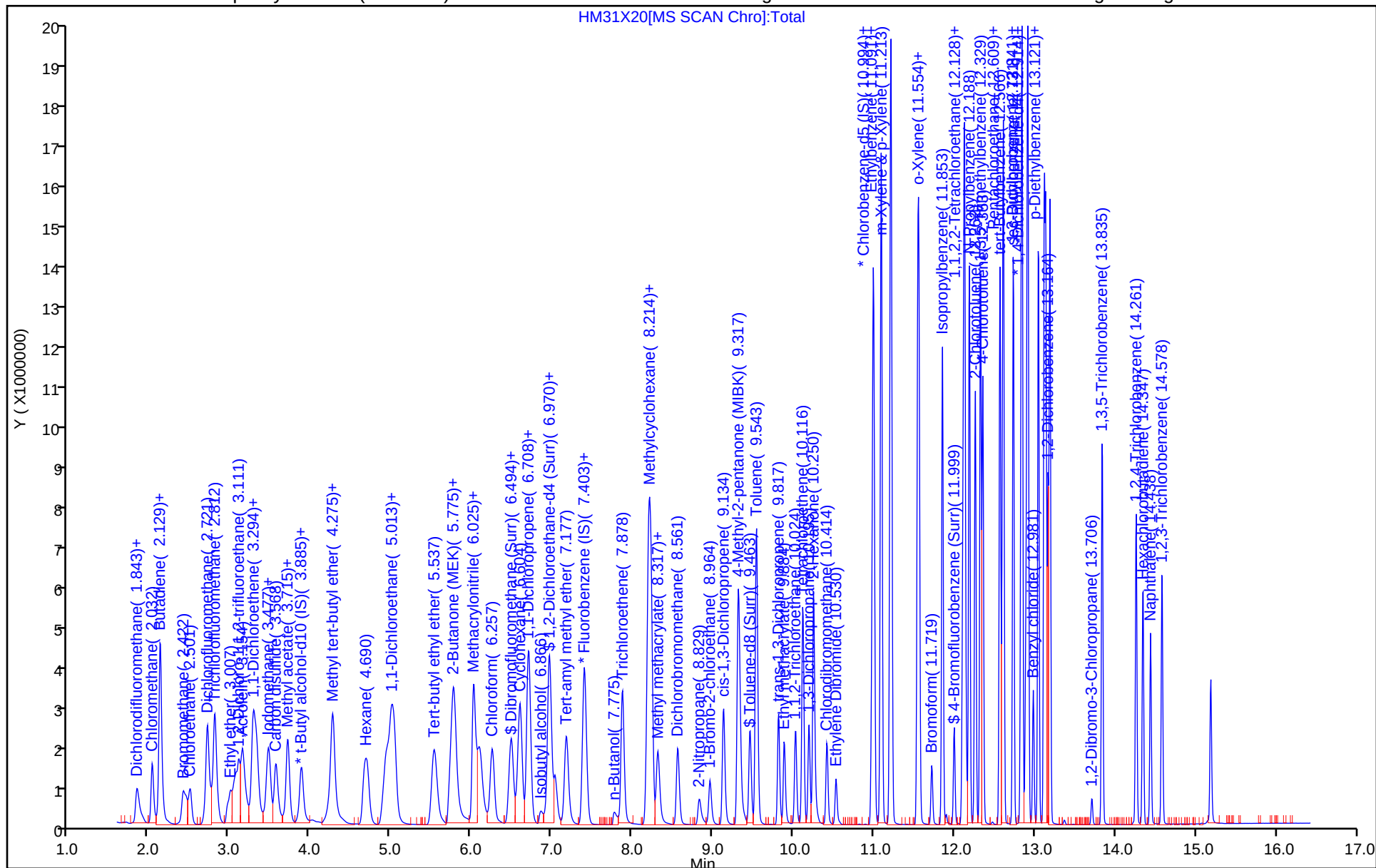
ALS Bottle#: 20

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

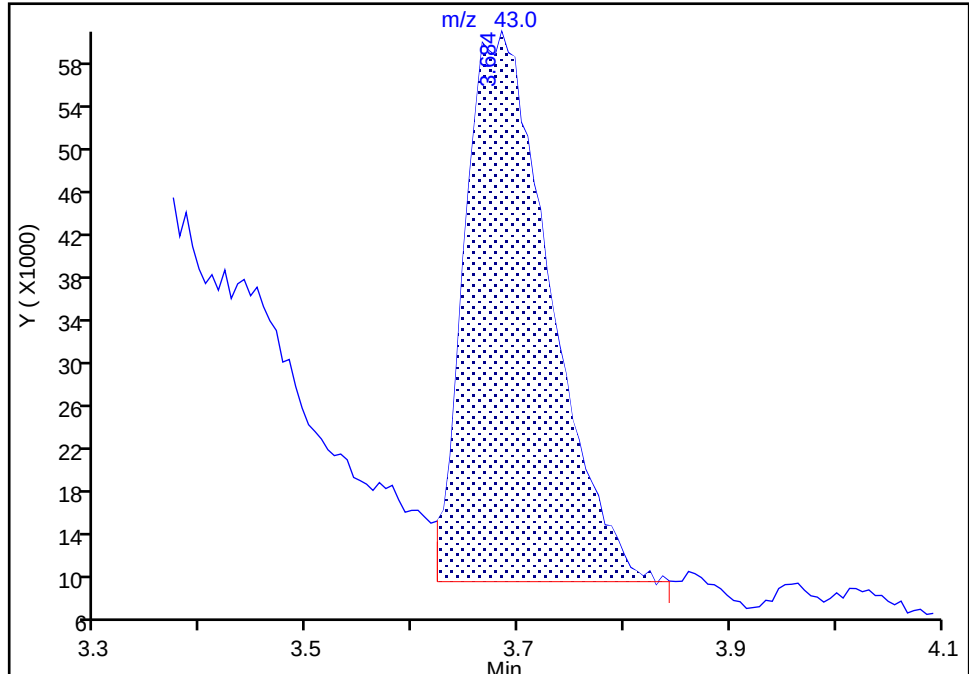
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Injection Date: 31-Mar-2025 18:38:30 Instrument ID: 19094
Lims ID: IC std9 25
Client ID:
Operator ID: ecr105096 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

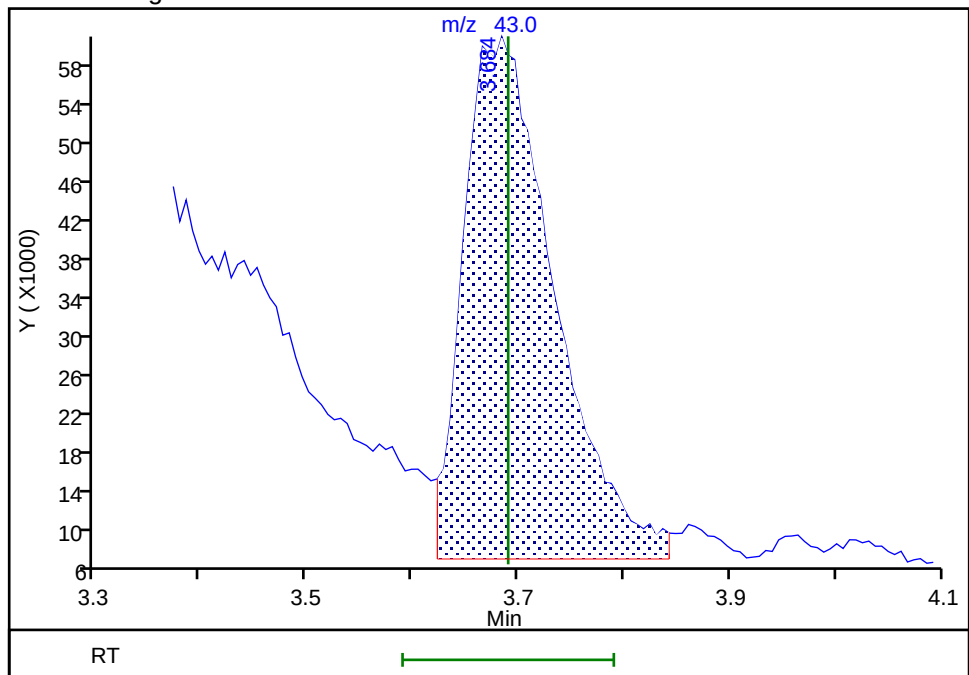
RT: 3.68
Area: 282412
Amount: 28.793465
Amount Units: ug/l

Processing Integration Results



RT: 3.68
Area: 318970
Amount: 24.696744
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 10-Apr-2025 10:10:04 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

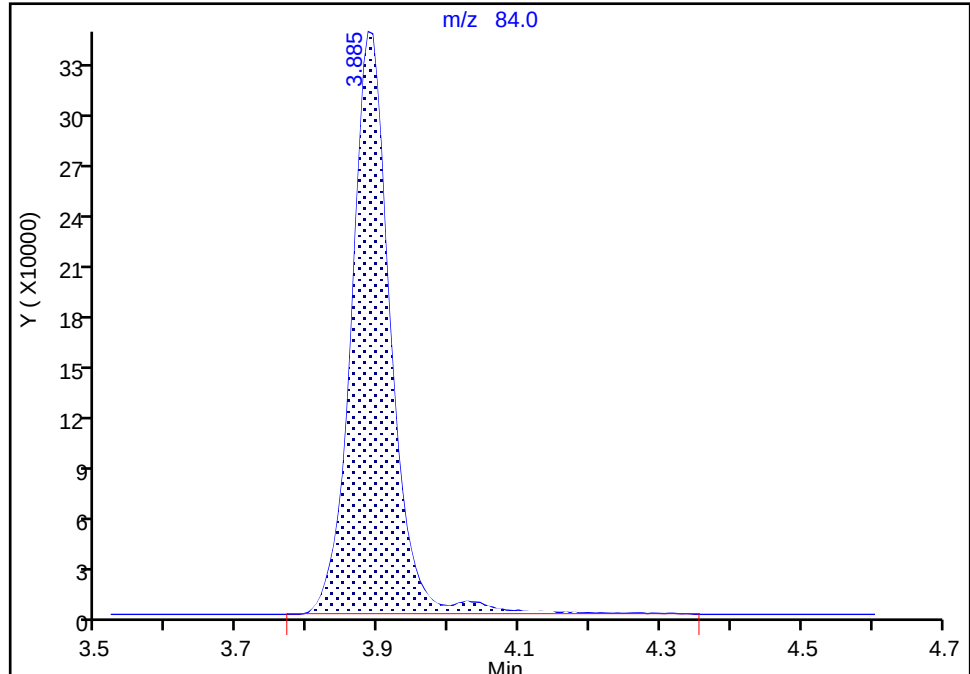
Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
Injection Date: 31-Mar-2025 18:38:30 Instrument ID: 19094
Lims ID: IC std9 25
Client ID:
Operator ID: ecr105096 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

27 Methylene Chloride, CAS: 75-09-2

Signal: 1

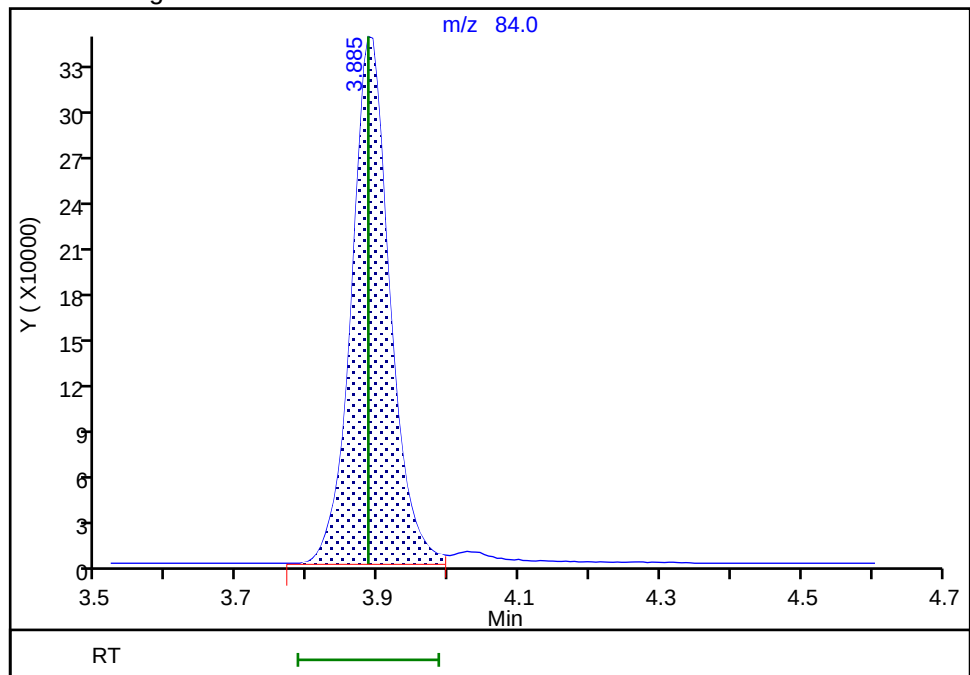
RT: 3.89
Area: 1327734
Amount: 25.538548
Amount Units: ug/l

Processing Integration Results



RT: 3.89
Area: 1283561
Amount: 24.782478
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 11-Apr-2025 09:37:15 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Other

Eurofins Lancaster Laboratories Environment Testing, LLC

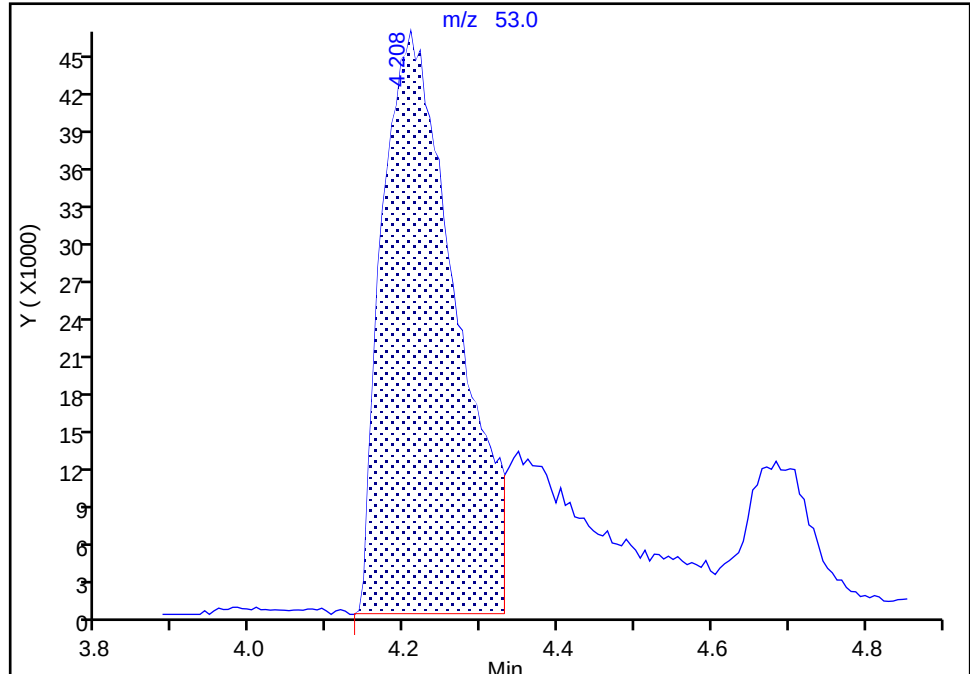
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Injection Date: 31-Mar-2025 18:38:30 Instrument ID: 19094
Lims ID: IC std9 25
Client ID:
Operator ID: ecr105096 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

31 Acrylonitrile, CAS: 107-13-1

Signal: 1

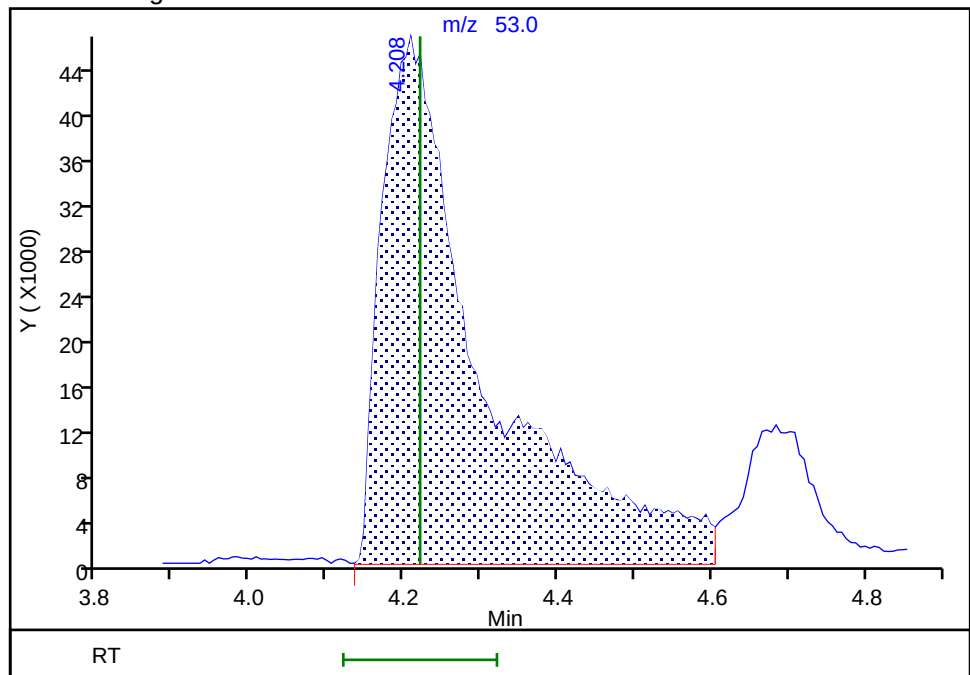
RT: 4.21
Area: 310007
Amount: 61.212227
Amount Units: ug/l

Processing Integration Results



RT: 4.21
Area: 425436
Amount: 62.415090
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 11-Apr-2025 09:56:54 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Other

Eurofins Lancaster Laboratories Environment Testing, LLC

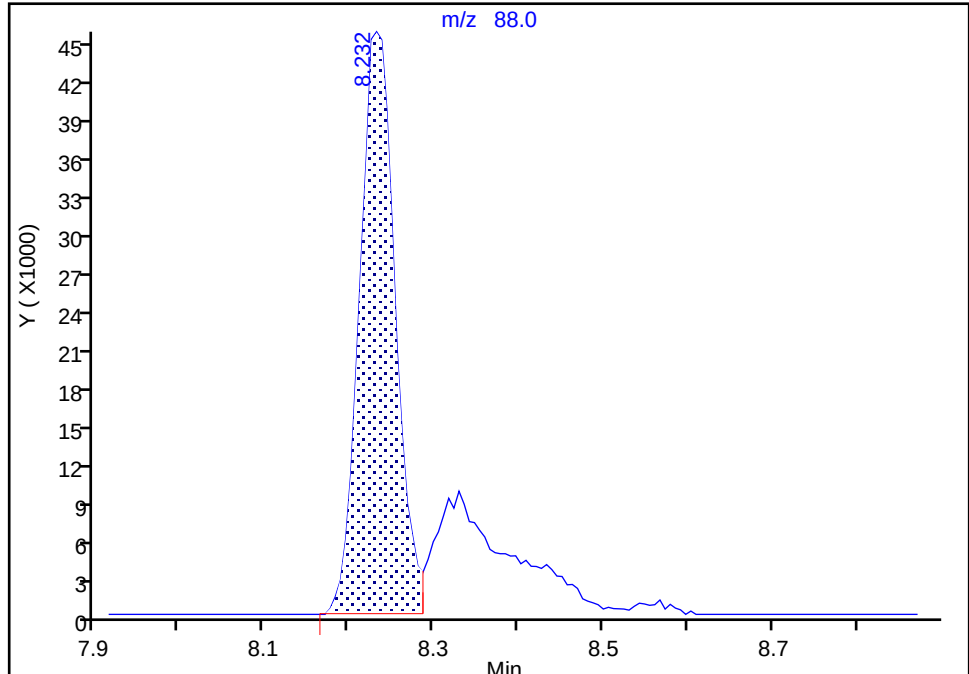
Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
Injection Date: 31-Mar-2025 18:38:30 Instrument ID: 19094
Lims ID: IC std9 25
Client ID:
Operator ID: ecr105096 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

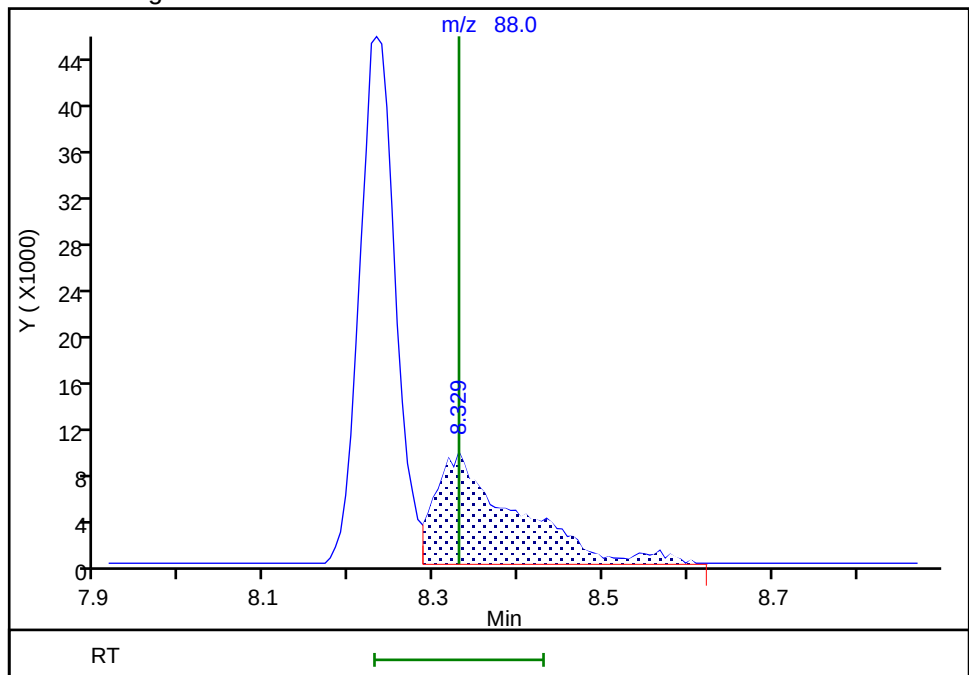
RT: 8.23
Area: 134547
Amount: 2043.1077
Amount Units: ug/l

Processing Integration Results



RT: 8.33
Area: 63092
Amount: 1212.3404
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:22:39 -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

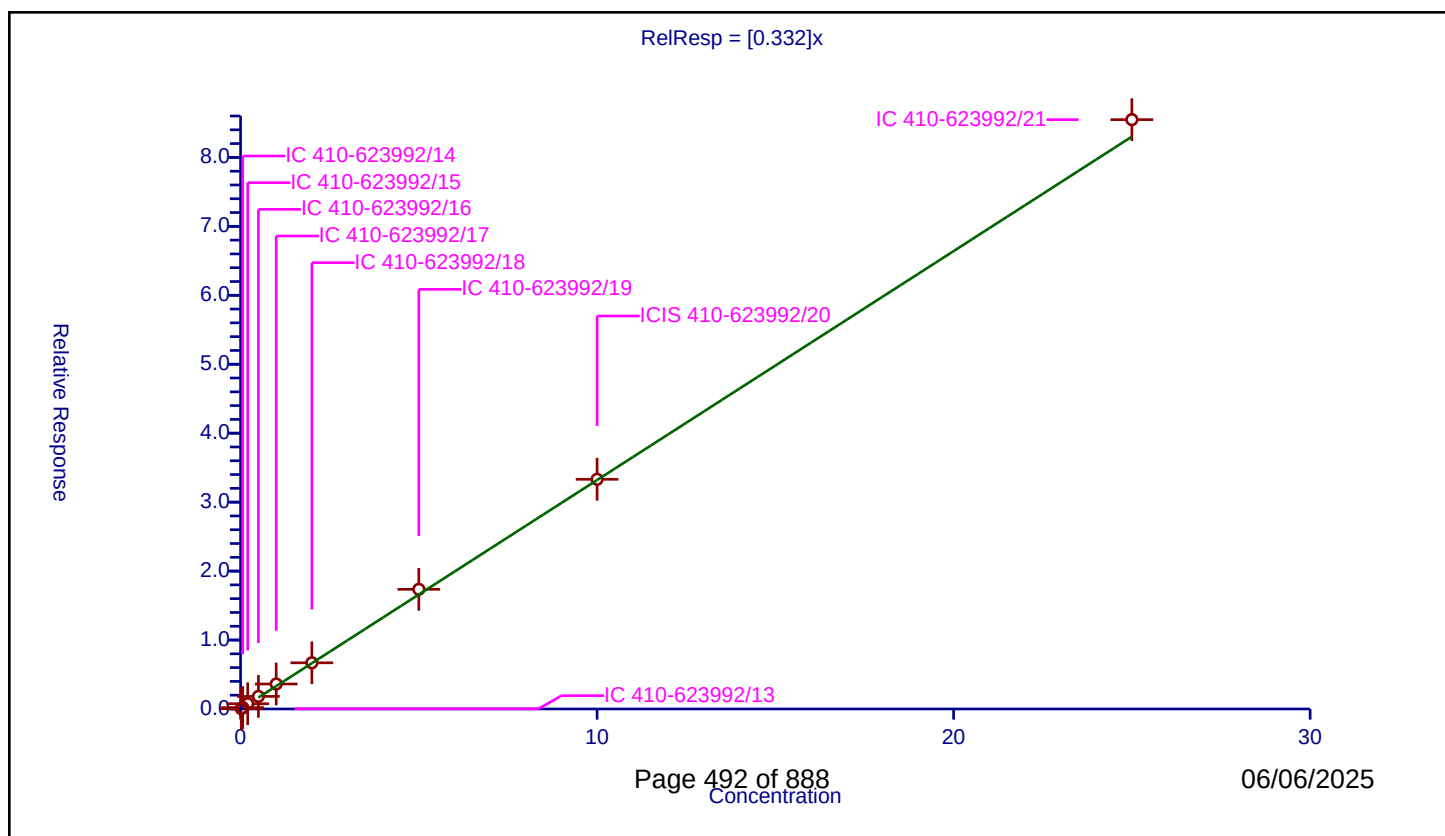
Curve Coefficients

Intercept: 0
Slope: 0.332

Error Coefficients

Relative Standard Deviation: 17.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.003706	10.0	1964341.0	0.185304	Y
2	IC 410-623992/14	0.06	0.020306	10.0	1965958.0	0.338427	Y
3	IC 410-623992/15	0.2	0.075972	10.0	2020747.0	0.37986	Y
4	IC 410-623992/16	0.5	0.182732	10.0	2019903.0	0.365463	Y
5	IC 410-623992/17	1.0	0.362253	10.0	2009620.0	0.362253	Y
6	IC 410-623992/18	2.0	0.669691	10.0	2036656.0	0.334845	Y
7	IC 410-623992/19	5.0	1.735646	10.0	2063762.0	0.347129	Y
8	ICIS 410-623992/20	10.0	3.331365	10.0	2055680.0	0.333136	Y
9	IC 410-623992/21	25.0	8.547545	10.0	2125436.0	0.341902	Y



Calibration

/ Chloromethane

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

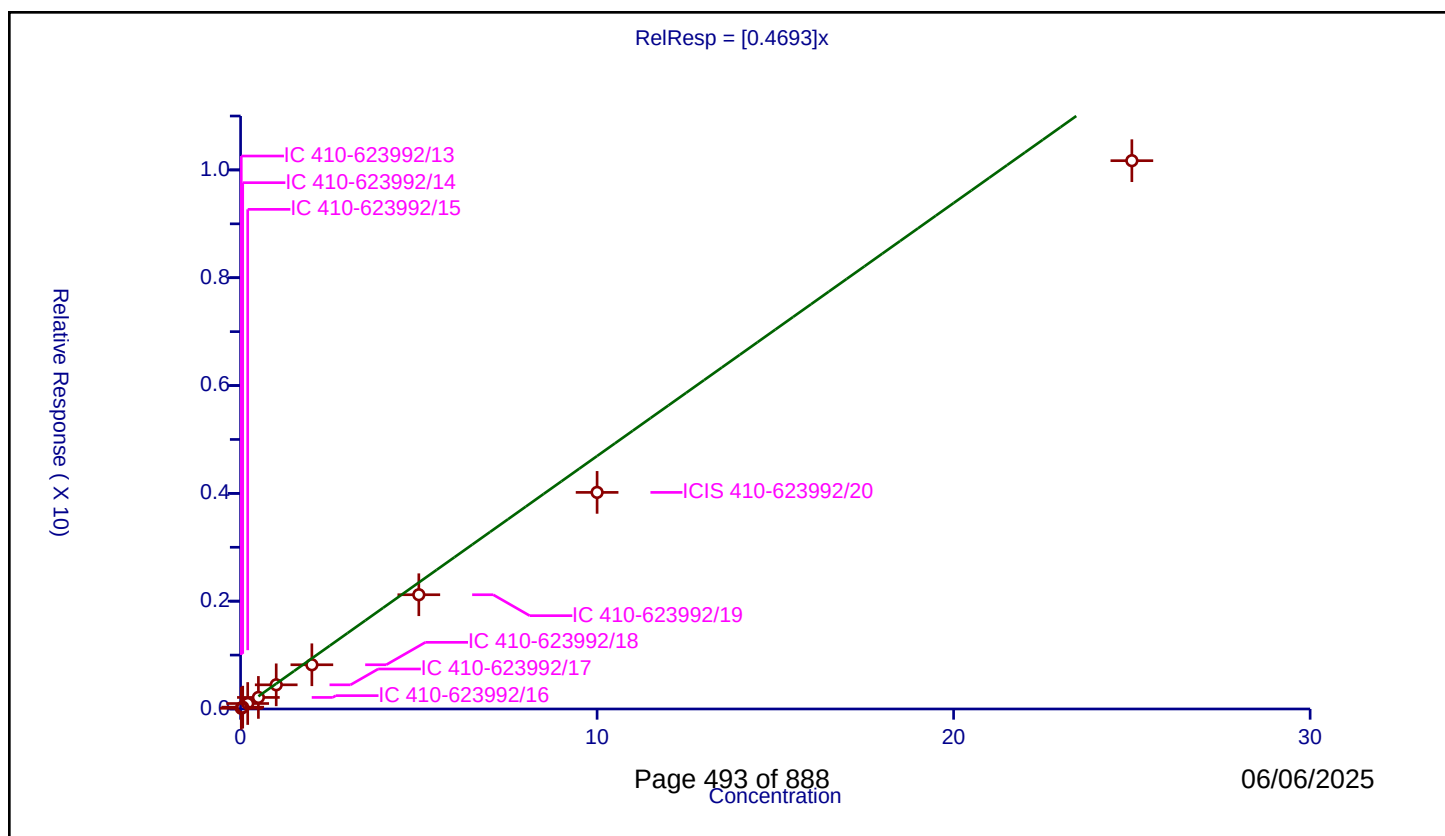
Curve Coefficients

Intercept: 0
Slope: 0.4693

Error Coefficients

Relative Standard Deviation: 17.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.012605	10.0	1964341.0	0.630237	Y
2	IC 410-623992/14	0.06	0.033963	10.0	1965958.0	0.566051	Y
3	IC 410-623992/15	0.2	0.101428	10.0	2020747.0	0.507139	Y
4	IC 410-623992/16	0.5	0.214416	10.0	2019903.0	0.428832	Y
5	IC 410-623992/17	1.0	0.448388	10.0	2009620.0	0.448388	Y
6	IC 410-623992/18	2.0	0.820325	10.0	2036656.0	0.410163	Y
7	IC 410-623992/19	5.0	2.119503	10.0	2063762.0	0.423901	Y
8	ICIS 410-623992/20	10.0	4.018116	10.0	2055680.0	0.401812	Y
9	IC 410-623992/21	25.0	10.171381	10.0	2125436.0	0.406855	Y



Calibration

/ Butadiene

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

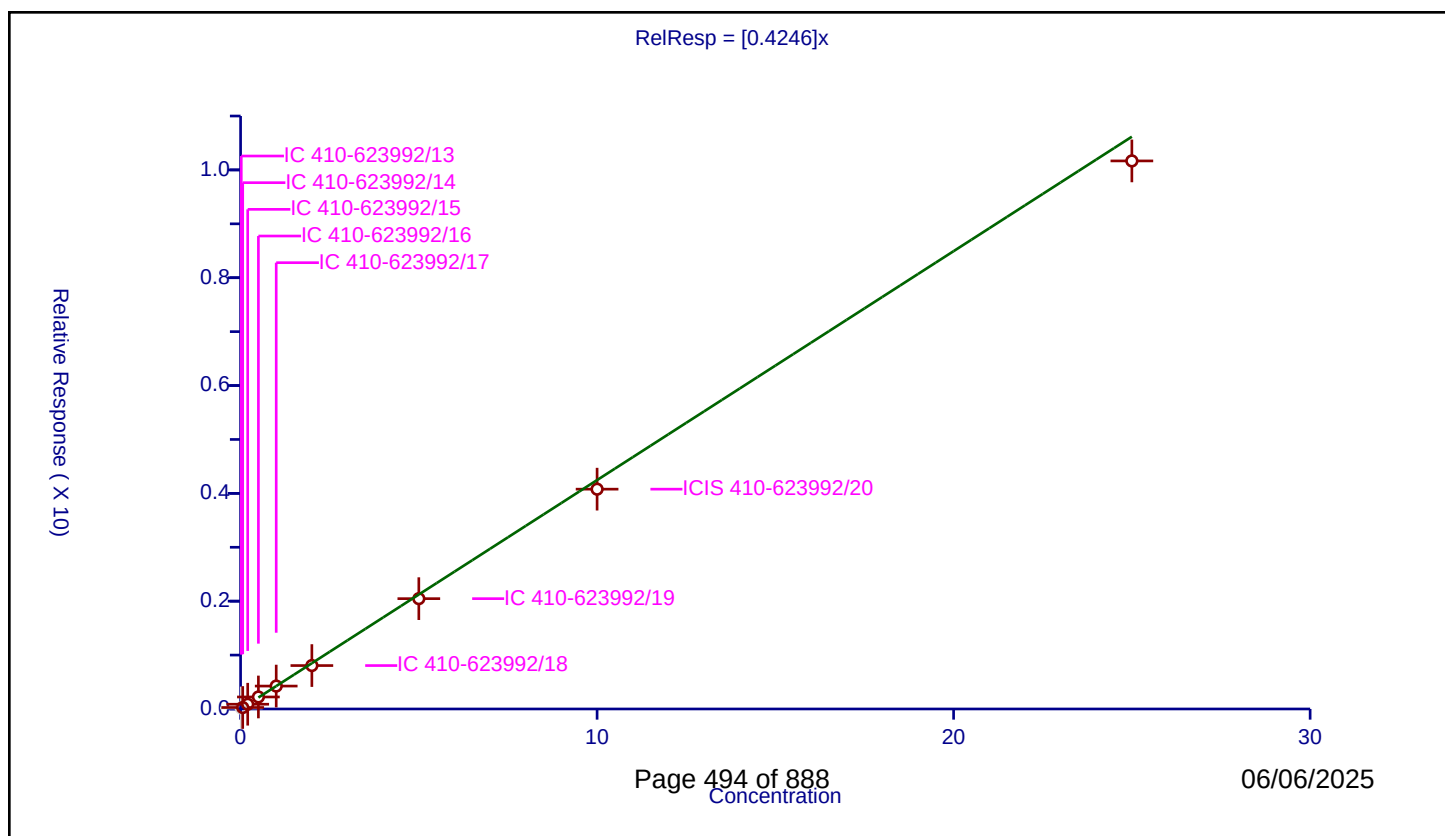
Curve Coefficients

Intercept: 0
Slope: 0.4246

Error Coefficients

Relative Standard Deviation: 5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.018953	10.0	1964341.0	0.947646	N
2	IC 410-623992/14	0.06	0.027386	10.0	1965958.0	0.456436	Y
3	IC 410-623992/15	0.2	0.088512	10.0	2020747.0	0.442559	Y
4	IC 410-623992/16	0.5	0.223085	10.0	2019903.0	0.44617	Y
5	IC 410-623992/17	1.0	0.425324	10.0	2009620.0	0.425324	Y
6	IC 410-623992/18	2.0	0.805752	10.0	2036656.0	0.402876	Y
7	IC 410-623992/19	5.0	2.046704	10.0	2063762.0	0.409341	Y
8	ICIS 410-623992/20	10.0	4.077853	10.0	2055680.0	0.407785	Y
9	IC 410-623992/21	25.0	10.167156	10.0	2125436.0	0.406686	Y



Calibration

/ Vinyl chloride

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

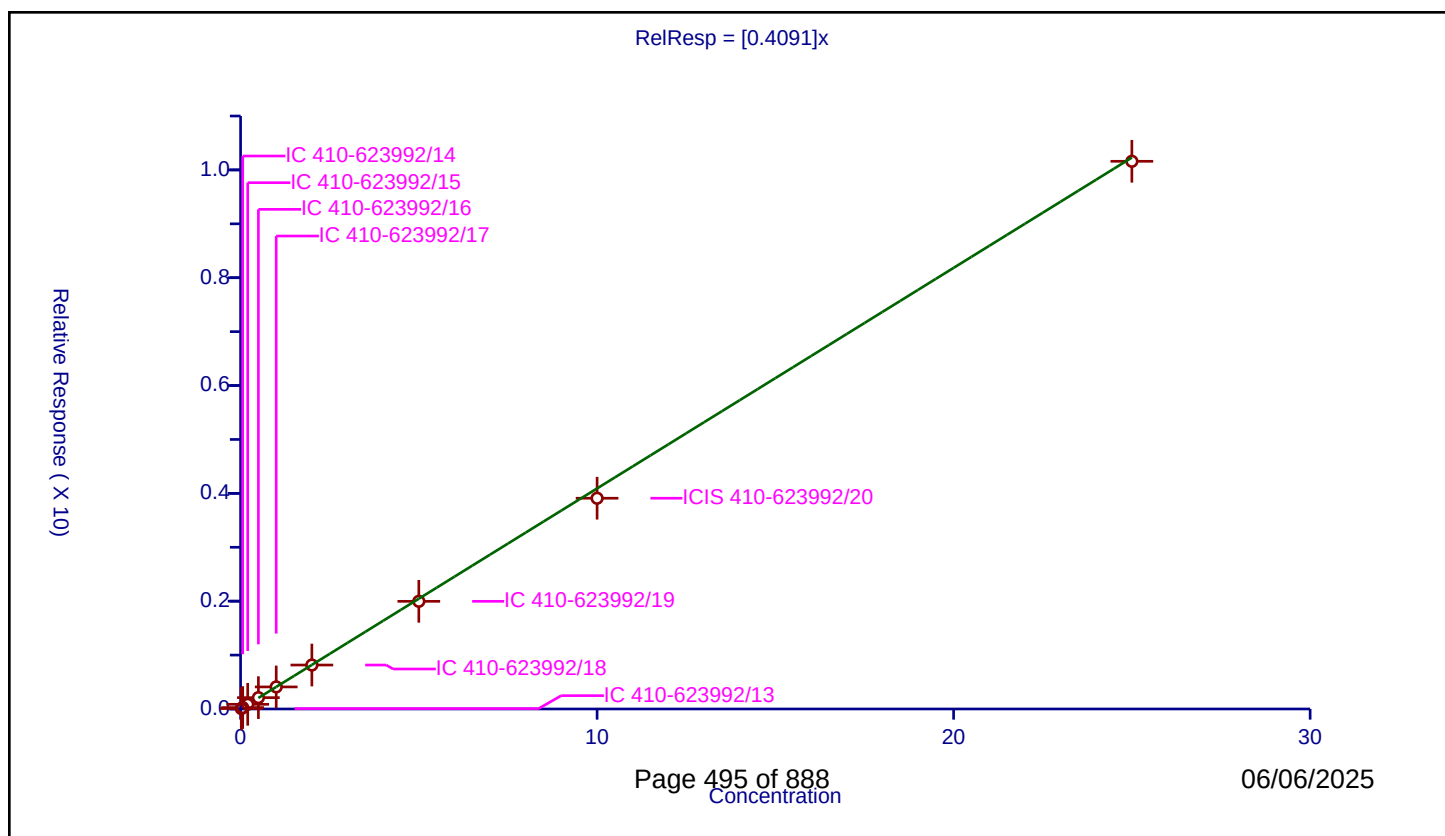
Curve Coefficients

Intercept: 0
Slope: 0.4091

Error Coefficients

Relative Standard Deviation: 5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.007422	10.0	1964341.0	0.371117	Y
2	IC 410-623992/14	0.06	0.026532	10.0	1965958.0	0.442193	Y
3	IC 410-623992/15	0.2	0.086869	10.0	2020747.0	0.434344	Y
4	IC 410-623992/16	0.5	0.210371	10.0	2019903.0	0.420743	Y
5	IC 410-623992/17	1.0	0.409401	10.0	2009620.0	0.409401	Y
6	IC 410-623992/18	2.0	0.815263	10.0	2036656.0	0.407631	Y
7	IC 410-623992/19	5.0	1.997318	10.0	2063762.0	0.399464	Y
8	ICIS 410-623992/20	10.0	3.909825	10.0	2055680.0	0.390983	Y
9	IC 410-623992/21	25.0	10.160019	10.0	2125436.0	0.406401	Y



Calibration

/ Bromomethane

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

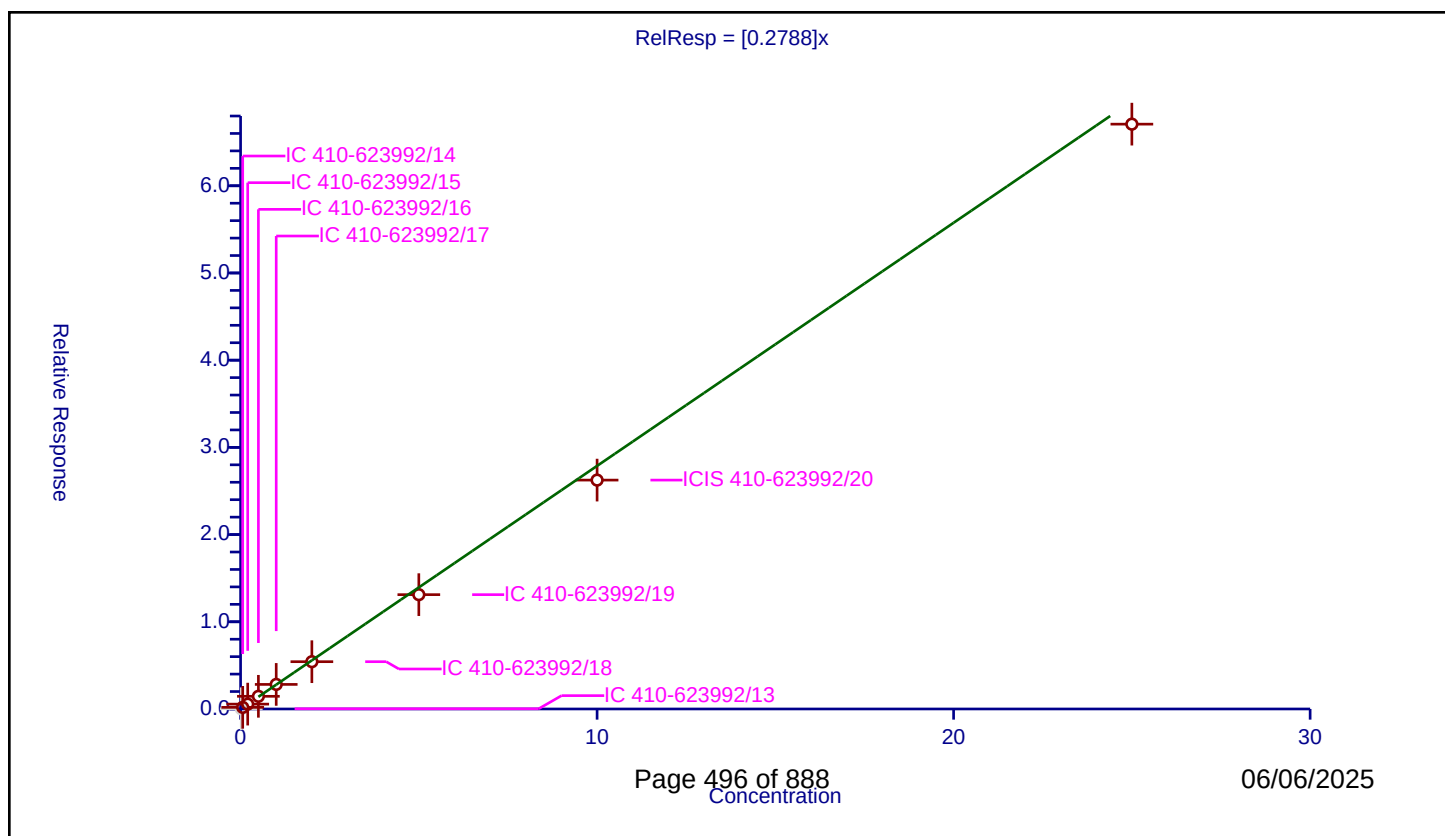
Curve Coefficients

Intercept: 0
Slope: 0.2788

Error Coefficients

Relative Standard Deviation: 6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.002744	10.0	1964341.0	0.137196	N
2	IC 410-623992/14	0.06	0.018861	10.0	1965958.0	0.314351	Y
3	IC 410-623992/15	0.2	0.055821	10.0	2020747.0	0.279105	Y
4	IC 410-623992/16	0.5	0.145438	10.0	2019903.0	0.290875	Y
5	IC 410-623992/17	1.0	0.281745	10.0	2009620.0	0.281745	Y
6	IC 410-623992/18	2.0	0.54232	10.0	2036656.0	0.27116	Y
7	IC 410-623992/19	5.0	1.311072	10.0	2063762.0	0.262214	Y
8	ICIS 410-623992/20	10.0	2.624728	10.0	2055680.0	0.262473	Y
9	IC 410-623992/21	25.0	6.706685	10.0	2125436.0	0.268267	Y



Calibration

/ Chloroethane

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

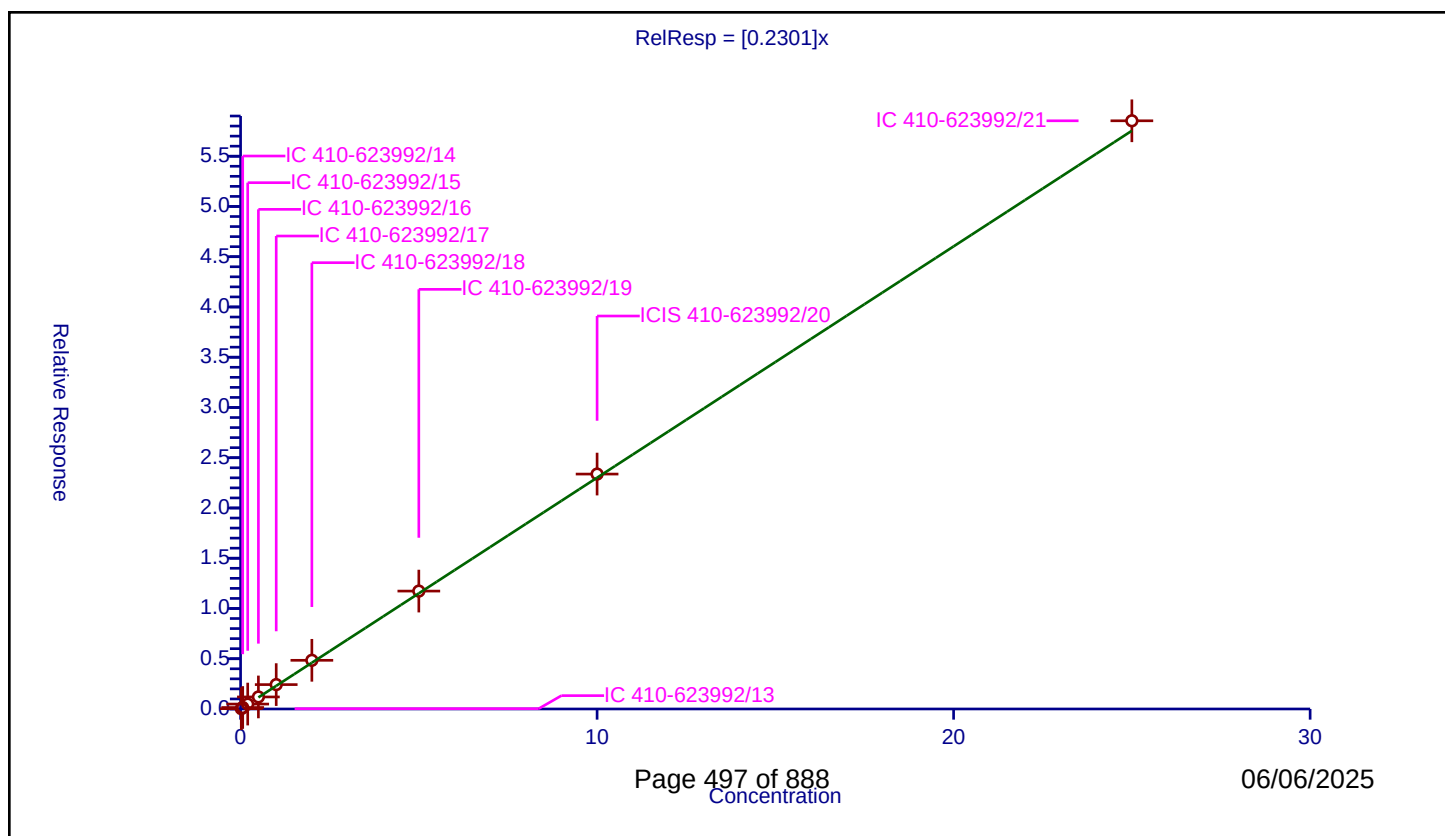
Curve Coefficients

Intercept: 0
Slope: 0.2301

Error Coefficients

Relative Standard Deviation: 12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.003116	10.0	1964341.0	0.155777	Y
2	IC 410-623992/14	0.06	0.014619	10.0	1965958.0	0.243647	Y
3	IC 410-623992/15	0.2	0.049002	10.0	2020747.0	0.245008	Y
4	IC 410-623992/16	0.5	0.119733	10.0	2019903.0	0.239467	Y
5	IC 410-623992/17	1.0	0.242708	10.0	2009620.0	0.242708	Y
6	IC 410-623992/18	2.0	0.484372	10.0	2036656.0	0.242186	Y
7	IC 410-623992/19	5.0	1.173163	10.0	2063762.0	0.234633	Y
8	ICIS 410-623992/20	10.0	2.337523	10.0	2055680.0	0.233752	Y
9	IC 410-623992/21	25.0	5.852465	10.0	2125436.0	0.234099	Y



Calibration

/ Dichlorofluoromethane

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

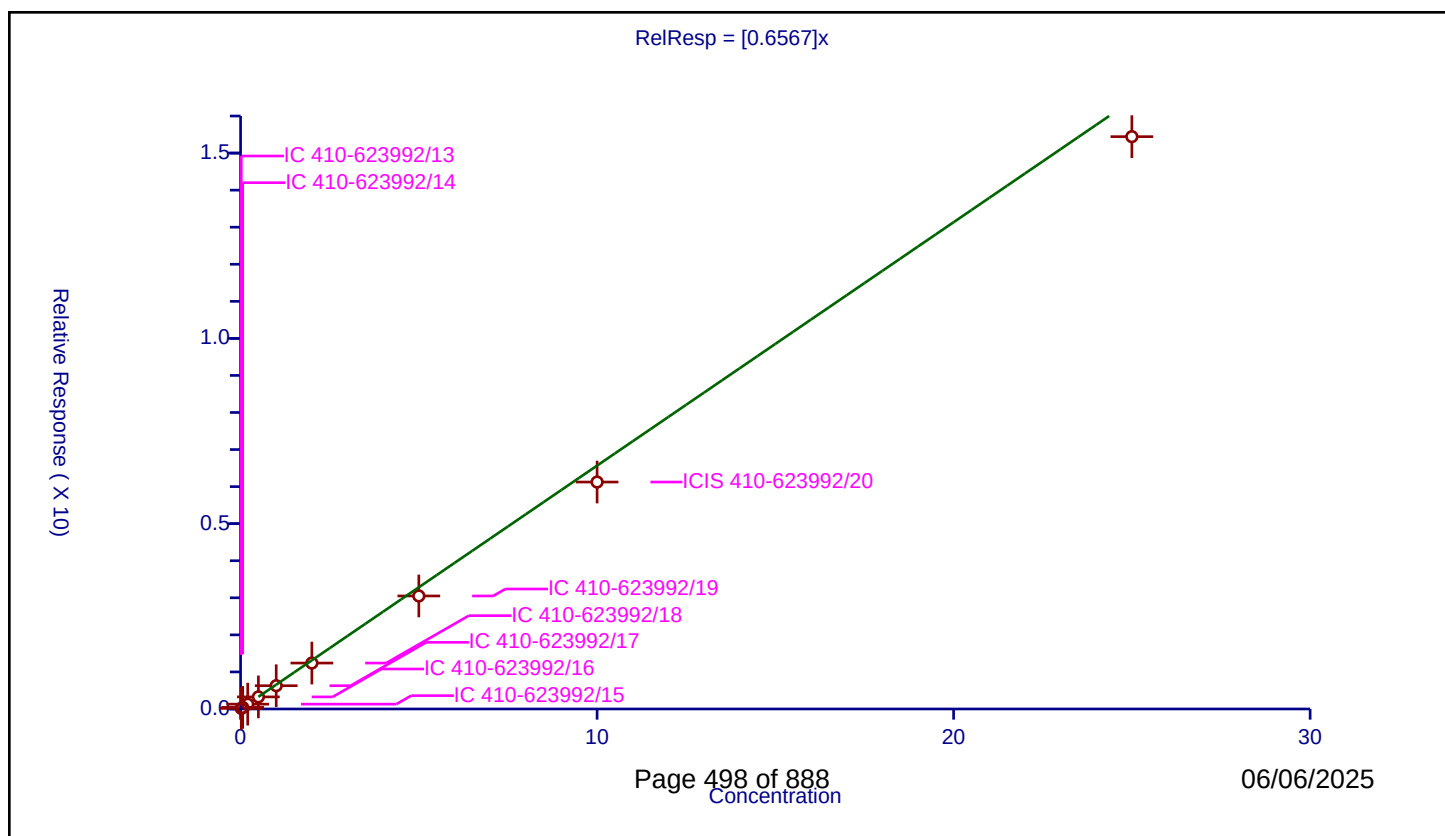
Curve Coefficients

Intercept: 0
Slope: 0.6567

Error Coefficients

Relative Standard Deviation: 9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.015807	10.0	1964341.0	0.790341	Y
2	IC 410-623992/14	0.06	0.043617	10.0	1965958.0	0.726957	Y
3	IC 410-623992/15	0.2	0.130472	10.0	2020747.0	0.652358	Y
4	IC 410-623992/16	0.5	0.32657	10.0	2019903.0	0.65314	Y
5	IC 410-623992/17	1.0	0.62777	10.0	2009620.0	0.62777	Y
6	IC 410-623992/18	2.0	1.23963	10.0	2036656.0	0.619815	Y
7	IC 410-623992/19	5.0	3.049751	10.0	2063762.0	0.60995	Y
8	ICIS 410-623992/20	10.0	6.123691	10.0	2055680.0	0.612369	Y
9	IC 410-623992/21	25.0	15.443086	10.0	2125436.0	0.617723	Y



Calibration

/ Trichlorofluoromethane

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

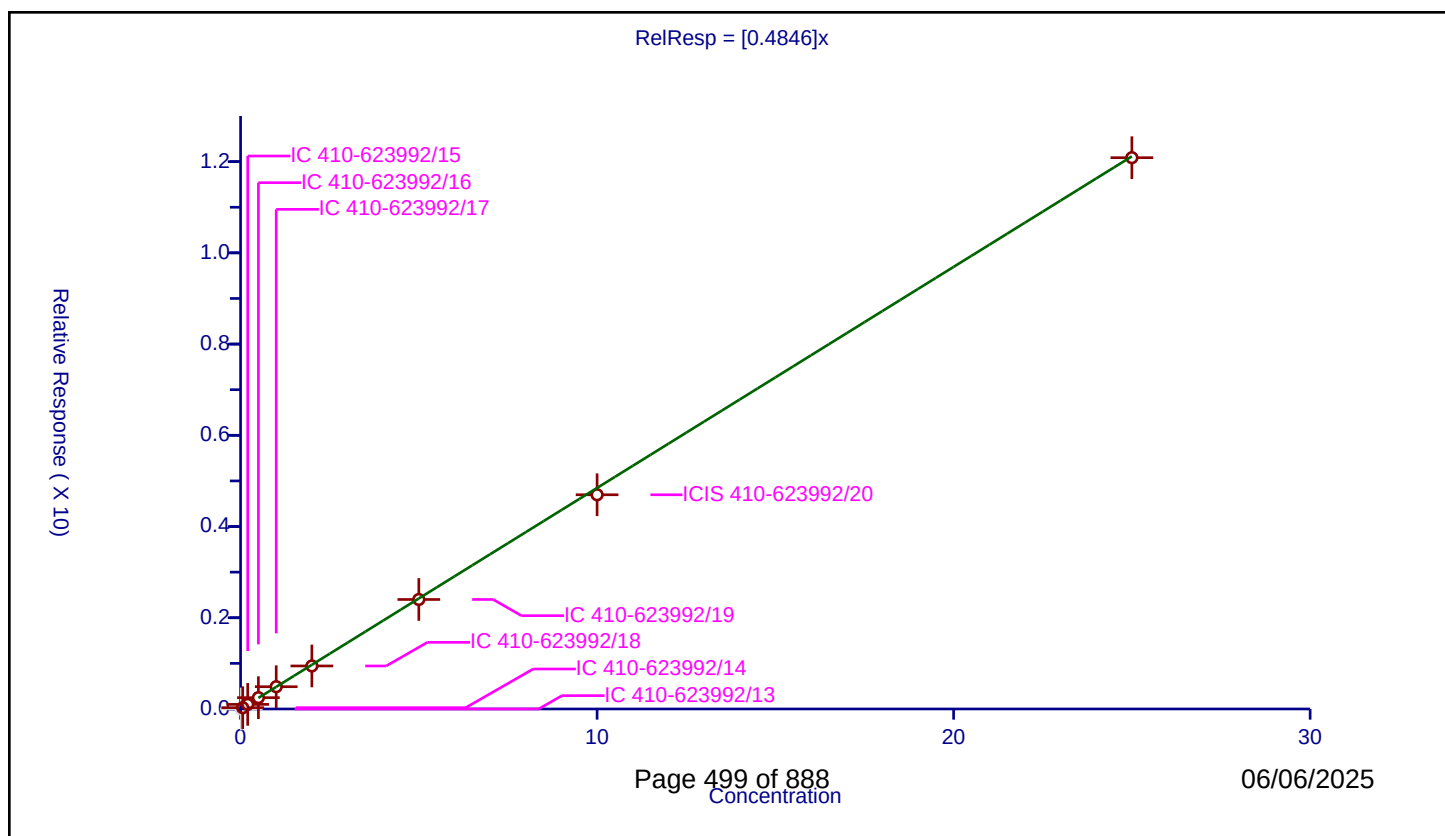
Curve Coefficients

Intercept: 0
Slope: 0.4846

Error Coefficients

Relative Standard Deviation: 2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.0	10.0	1964341.0	0.0	N
2	IC 410-623992/14	0.06	0.028973	10.0	1965958.0	0.482886	Y
3	IC 410-623992/15	0.2	0.10075	10.0	2020747.0	0.503749	Y
4	IC 410-623992/16	0.5	0.248354	10.0	2019903.0	0.496707	Y
5	IC 410-623992/17	1.0	0.488719	10.0	2009620.0	0.488719	Y
6	IC 410-623992/18	2.0	0.943198	10.0	2036656.0	0.471599	Y
7	IC 410-623992/19	5.0	2.400747	10.0	2063762.0	0.480149	Y
8	ICIS 410-623992/20	10.0	4.696514	10.0	2055680.0	0.469651	Y
9	IC 410-623992/21	25.0	12.086174	10.0	2125436.0	0.483447	Y



Calibration

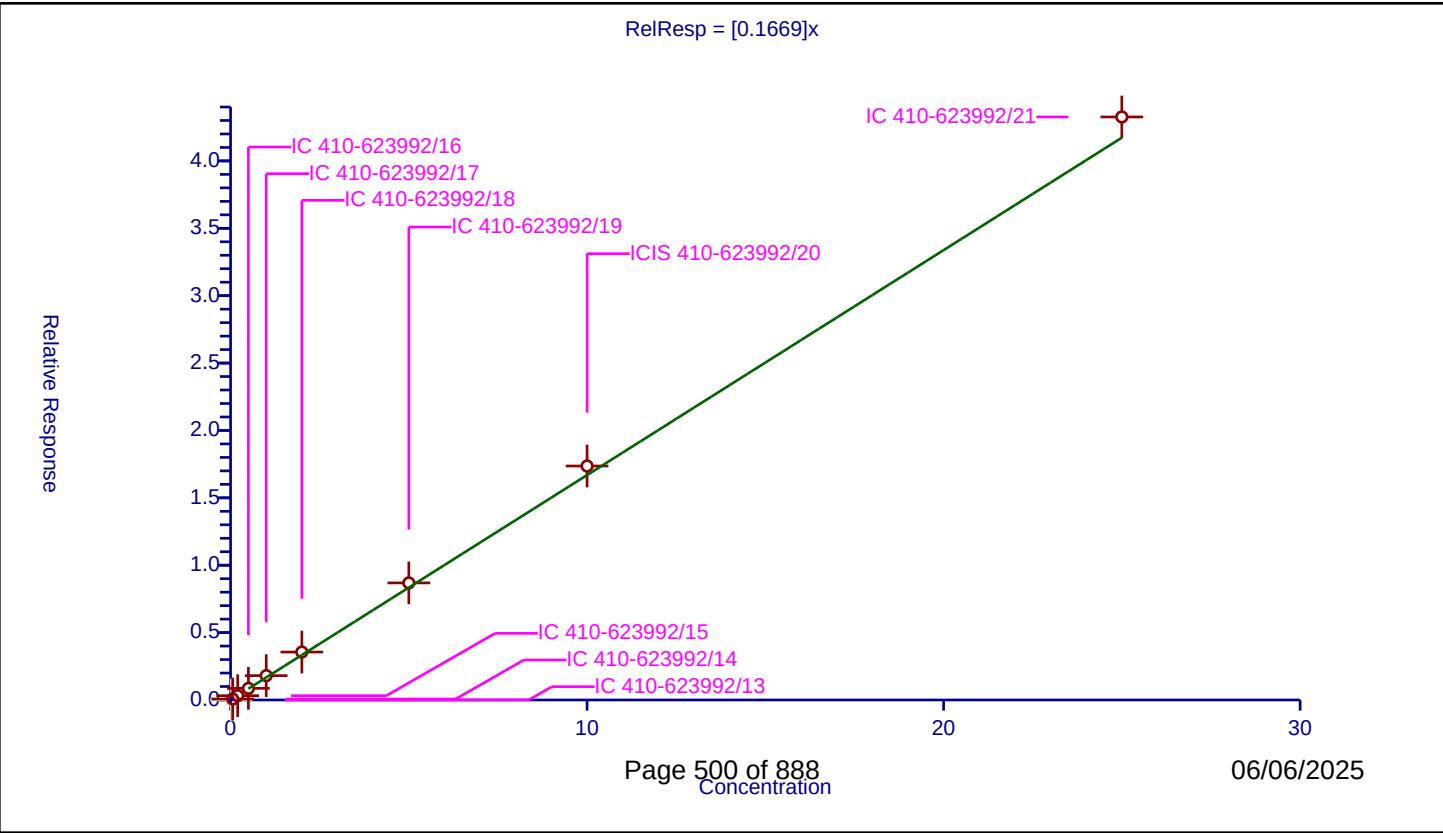
/ Ethyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.1669
Error Coefficients	

Relative Standard Deviation: 11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.019999	0.0	10.0	1964341.0	0.0	N
2	IC 410-623992/14	0.059996	0.007406	10.0	1965958.0	0.123443	Y
3	IC 410-623992/15	0.199986	0.031988	10.0	2020747.0	0.159952	Y
4	IC 410-623992/16	0.499966	0.086375	10.0	2019903.0	0.172763	Y
5	IC 410-623992/17	0.999932	0.180671	10.0	2009620.0	0.180683	Y
6	IC 410-623992/18	1.999864	0.355725	10.0	2036656.0	0.177875	Y
7	IC 410-623992/19	4.99966	0.868855	10.0	2063762.0	0.173783	Y
8	ICIS 410-623992/20	9.99932	1.736194	10.0	2055680.0	0.173631	Y
9	IC 410-623992/21	24.9983	4.32619	10.0	2125436.0	0.173059	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

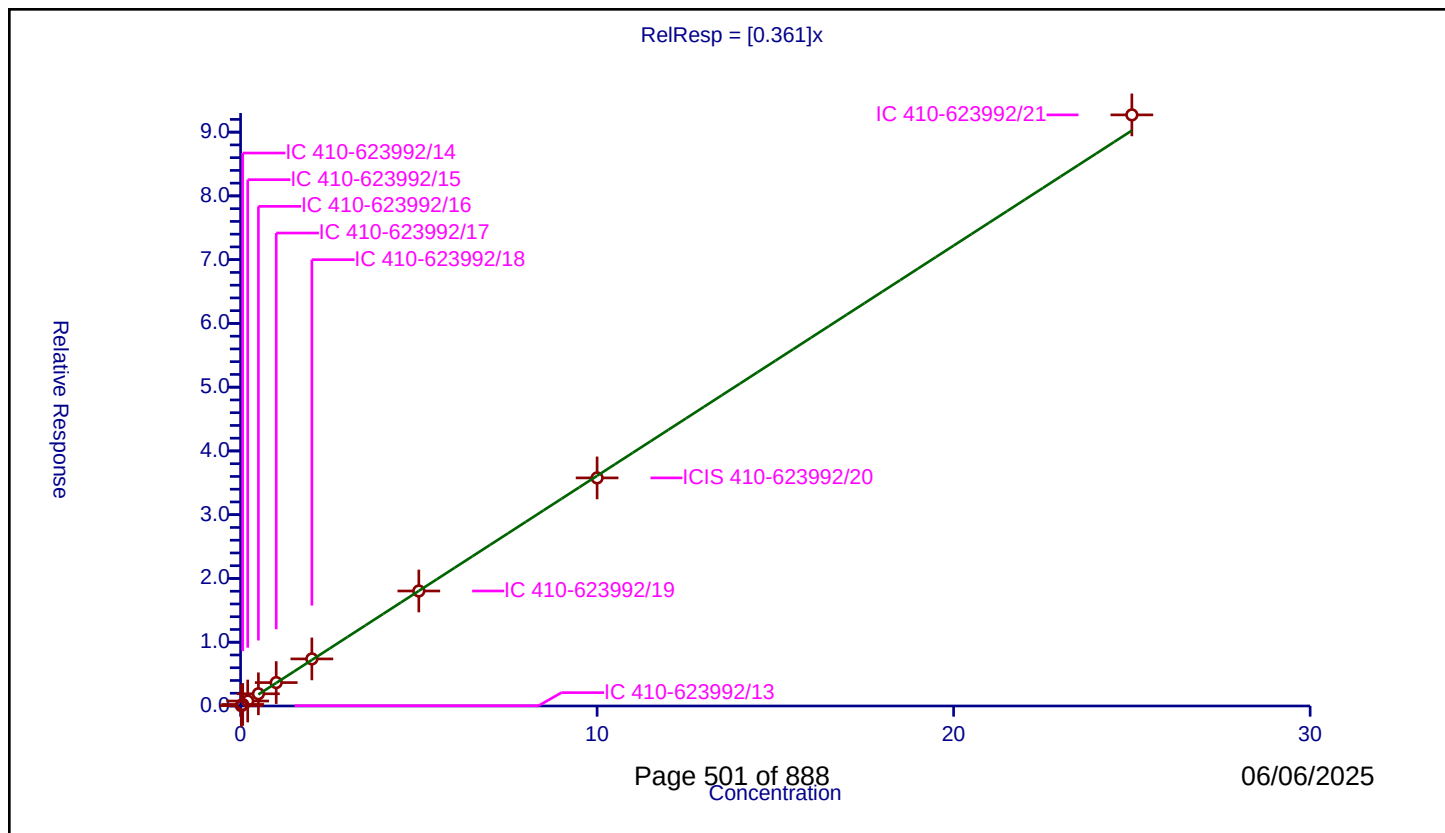
Curve Coefficients

Intercept: 0
Slope: 0.361

Error Coefficients

Relative Standard Deviation: 13.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.004851	10.0	1964341.0	0.242575	Y
2	IC 410-623992/14	0.06	0.024558	10.0	1965958.0	0.4093	Y
3	IC 410-623992/15	0.2	0.077907	10.0	2020747.0	0.389534	Y
4	IC 410-623992/16	0.5	0.191158	10.0	2019903.0	0.382315	Y
5	IC 410-623992/17	1.0	0.36693	10.0	2009620.0	0.36693	Y
6	IC 410-623992/18	2.0	0.738215	10.0	2036656.0	0.369107	Y
7	IC 410-623992/19	5.0	1.803803	10.0	2063762.0	0.360761	Y
8	ICIS 410-623992/20	10.0	3.577493	10.0	2055680.0	0.357749	Y
9	IC 410-623992/21	25.0	9.270837	10.0	2125436.0	0.370833	Y



Calibration

/ Acrolein

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

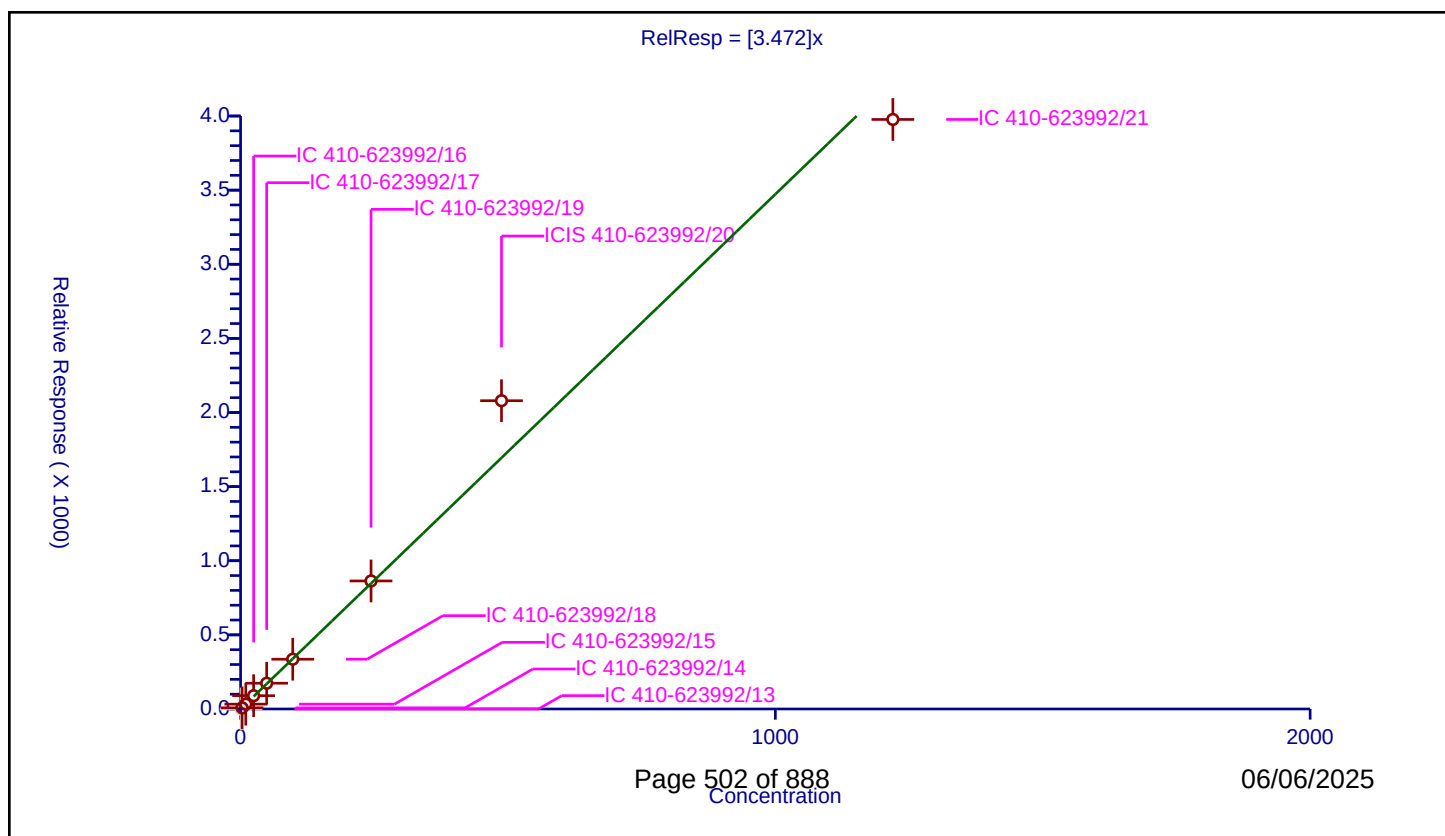
Curve Coefficients

Intercept: 0
Slope: 3.472

Error Coefficients

Relative Standard Deviation: 12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.975815	0.0	50.0	67983.0	0.0	N
2	IC 410-623992/14	2.927444	7.87611	50.0	69368.0	2.690439	Y
3	IC 410-623992/15	9.758146	32.683873	50.0	55174.0	3.349394	Y
4	IC 410-623992/16	24.395365	89.609044	50.0	62232.0	3.673199	Y
5	IC 410-623992/17	48.790731	173.798357	50.0	62685.0	3.562118	Y
6	IC 410-623992/18	97.581461	335.755611	50.0	66026.0	3.440773	Y
7	IC 410-623992/19	243.953653	863.695764	50.0	62136.0	3.540409	Y
8	ICIS 410-623992/20	487.907307	2079.517127	50.0	42040.0	4.262115	Y
9	IC 410-623992/21	1219.768267	3976.737788	50.0	53430.0	3.26024	Y



Calibration

/ 1,1-Dichloroethene

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

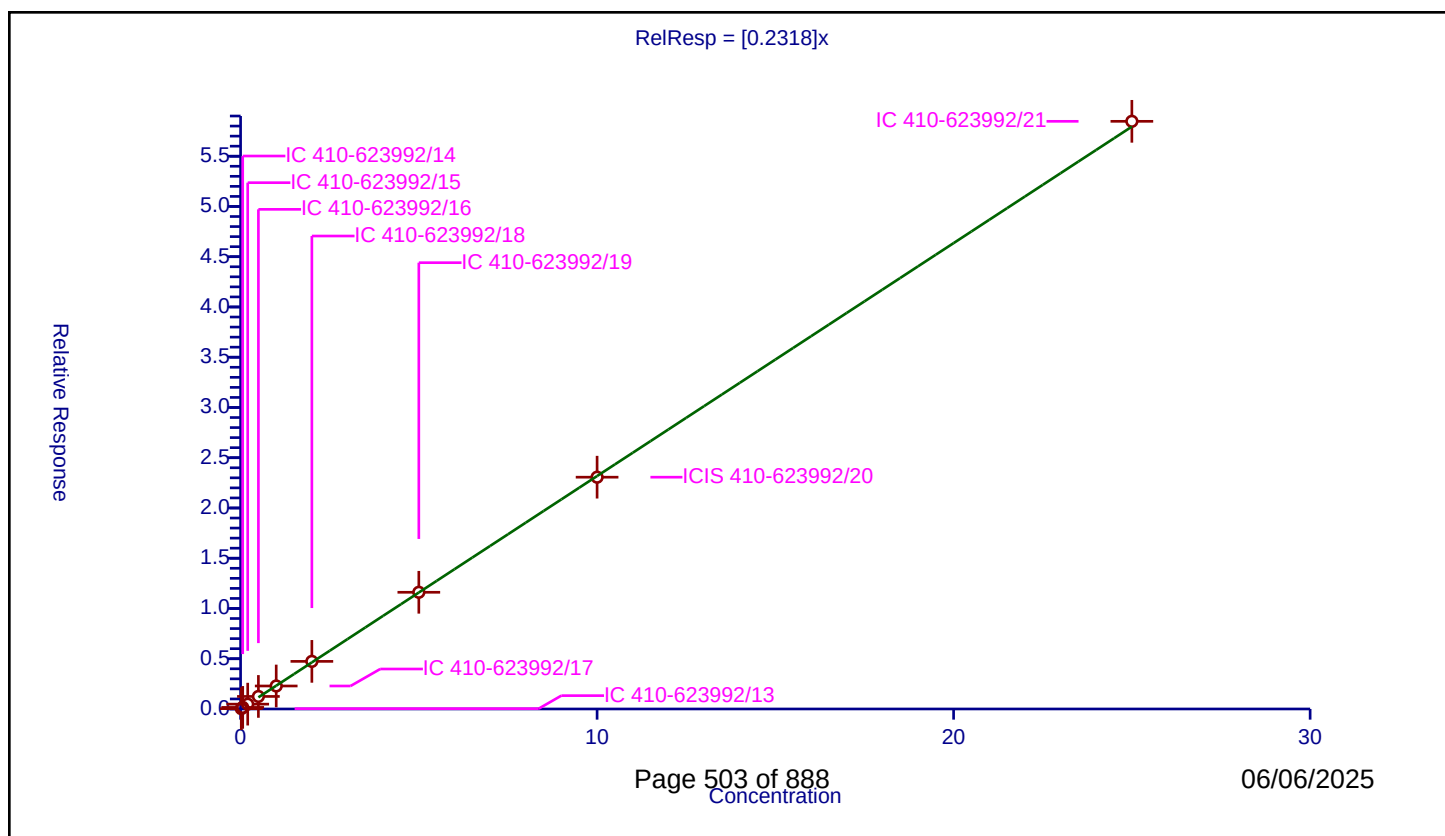
Curve Coefficients

Intercept: 0
Slope: 0.2318

Error Coefficients

Relative Standard Deviation: 11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.003385	10.0	1964341.0	0.169268	Y
2	IC 410-623992/14	0.06	0.015819	10.0	1965958.0	0.263654	Y
3	IC 410-623992/15	0.2	0.04819	10.0	2020747.0	0.24095	Y
4	IC 410-623992/16	0.5	0.124862	10.0	2019903.0	0.249725	Y
5	IC 410-623992/17	1.0	0.22875	10.0	2009620.0	0.22875	Y
6	IC 410-623992/18	2.0	0.473772	10.0	2036656.0	0.236886	Y
7	IC 410-623992/19	5.0	1.161166	10.0	2063762.0	0.232233	Y
8	ICIS 410-623992/20	10.0	2.306264	10.0	2055680.0	0.230626	Y
9	IC 410-623992/21	25.0	5.847309	10.0	2125436.0	0.233892	Y



Calibration

/ Acetone

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

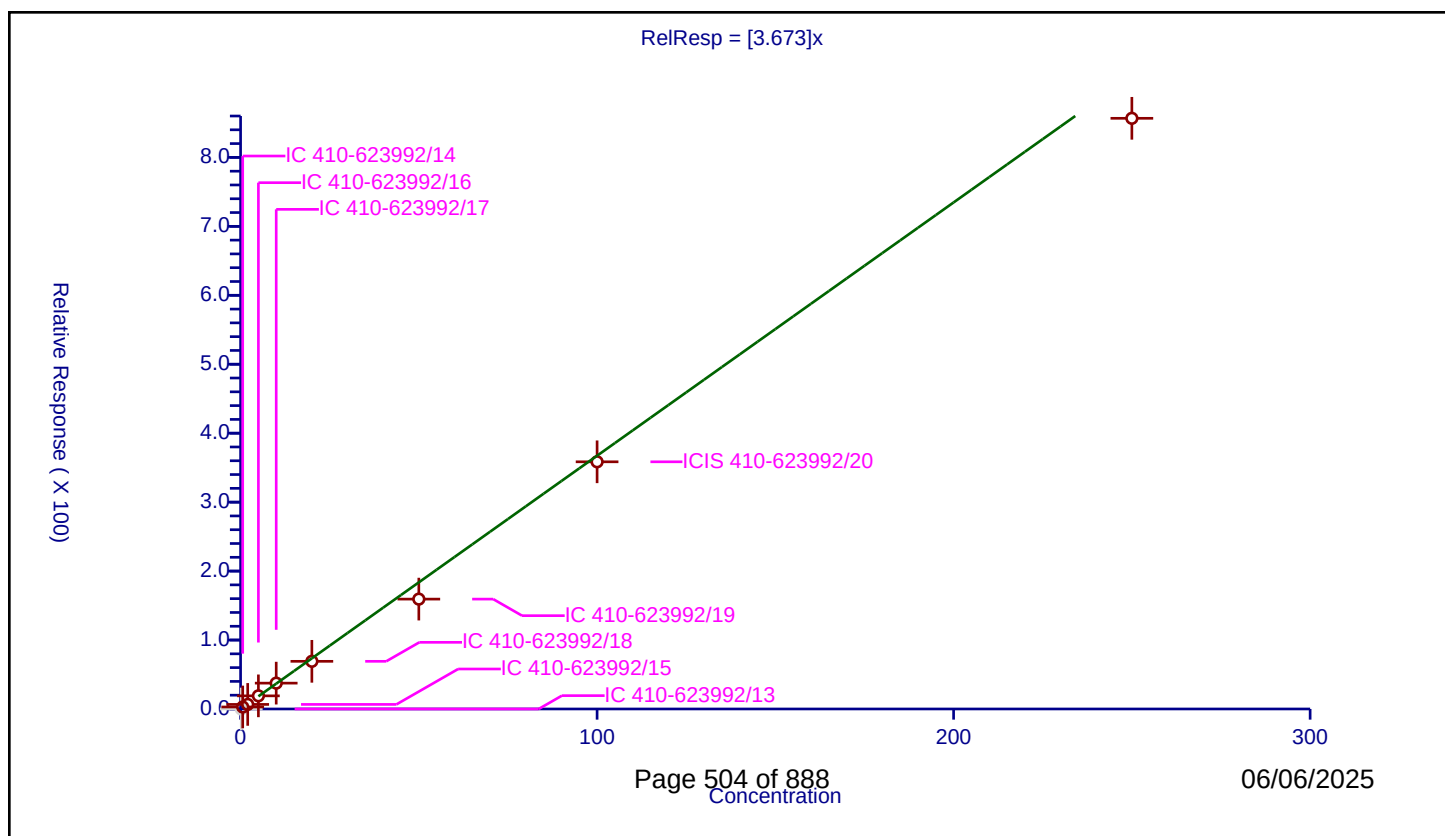
Curve Coefficients

Intercept: 0
Slope: 3.673

Error Coefficients

Relative Standard Deviation: 14.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.2	0.0	50.0	67983.0	0.0	N
2	IC 410-623992/14	0.6	2.91561	50.0	69368.0	4.859349	Y
3	IC 410-623992/15	2.0	6.623591	50.0	55174.0	3.311795	Y
4	IC 410-623992/16	5.0	19.049685	50.0	62232.0	3.809937	Y
5	IC 410-623992/17	10.0	37.493818	50.0	62685.0	3.749382	Y
6	IC 410-623992/18	20.0	69.140944	50.0	66026.0	3.457047	Y
7	IC 410-623992/19	50.0	159.358504	50.0	62136.0	3.18717	Y
8	ICIS 410-623992/20	100.0	358.49667	50.0	42040.0	3.584967	Y
9	IC 410-623992/21	250.0	856.669474	50.0	53430.0	3.426678	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

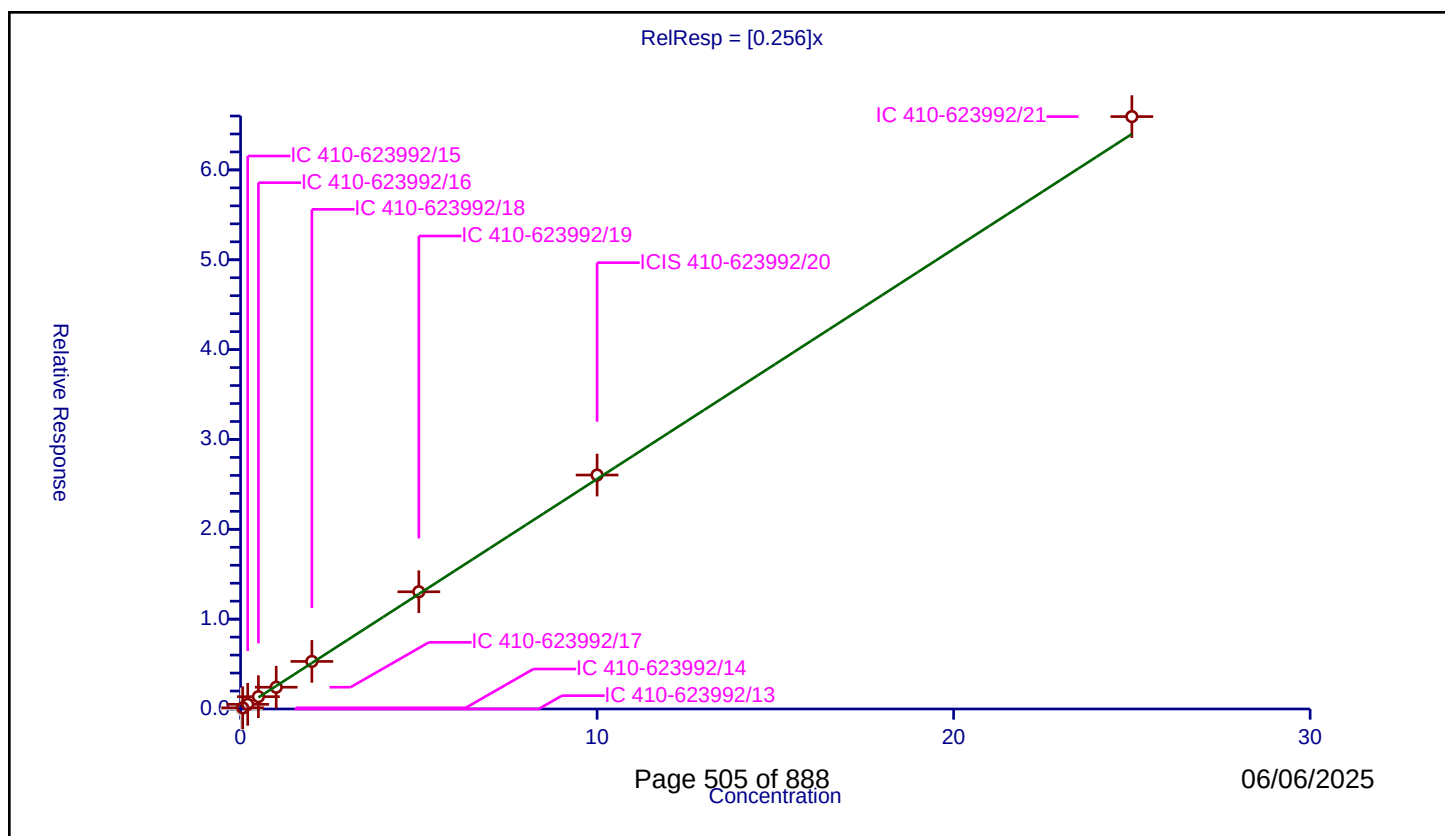
Curve Coefficients

Intercept: 0
Slope: 0.256

Error Coefficients

Relative Standard Deviation: 6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.0	10.0	1964341.0	0.0	N
2	IC 410-623992/14	0.06	0.013352	10.0	1965958.0	0.222538	Y
3	IC 410-623992/15	0.2	0.051877	10.0	2020747.0	0.259384	Y
4	IC 410-623992/16	0.5	0.137026	10.0	2019903.0	0.274053	Y
5	IC 410-623992/17	1.0	0.242195	10.0	2009620.0	0.242195	Y
6	IC 410-623992/18	2.0	0.529255	10.0	2036656.0	0.264627	Y
7	IC 410-623992/19	5.0	1.304608	10.0	2063762.0	0.260922	Y
8	ICIS 410-623992/20	10.0	2.603941	10.0	2055680.0	0.260394	Y
9	IC 410-623992/21	25.0	6.593381	10.0	2125436.0	0.263735	Y



Calibration

/ Iodomethane

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

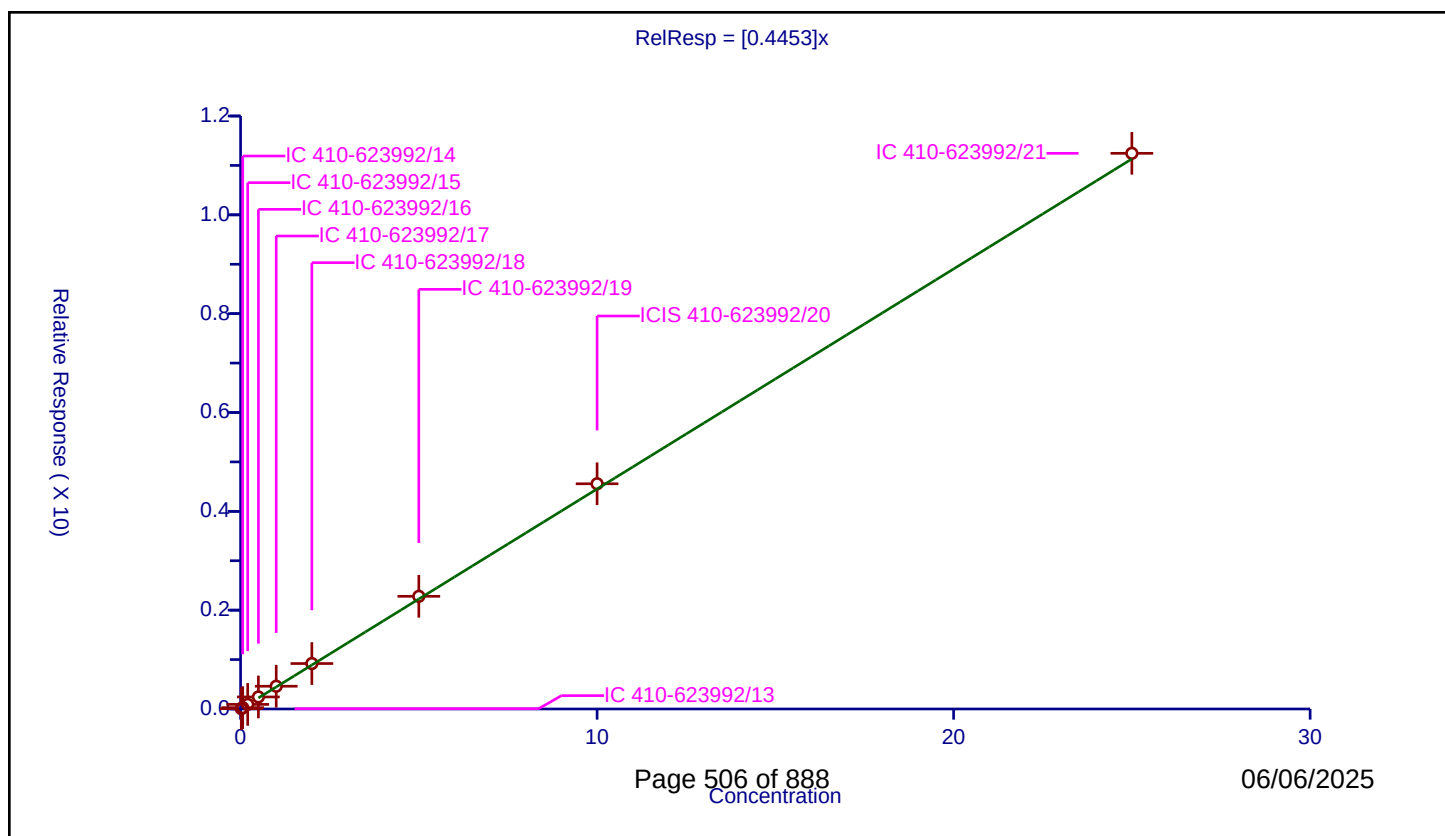
Curve Coefficients

Intercept: 0
Slope: 0.4453

Error Coefficients

Relative Standard Deviation: 11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.006328	10.0	1964341.0	0.316391	Y
2	IC 410-623992/14	0.06	0.02734	10.0	1965958.0	0.455673	Y
3	IC 410-623992/15	0.2	0.093084	10.0	2020747.0	0.465422	Y
4	IC 410-623992/16	0.5	0.243833	10.0	2019903.0	0.487667	Y
5	IC 410-623992/17	1.0	0.460654	10.0	2009620.0	0.460654	Y
6	IC 410-623992/18	2.0	0.919831	10.0	2036656.0	0.459916	Y
7	IC 410-623992/19	5.0	2.280248	10.0	2063762.0	0.45605	Y
8	ICIS 410-623992/20	10.0	4.557533	10.0	2055680.0	0.455753	Y
9	IC 410-623992/21	25.0	11.245067	10.0	2125436.0	0.449803	Y



Calibration

/ Ethyl bromide

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

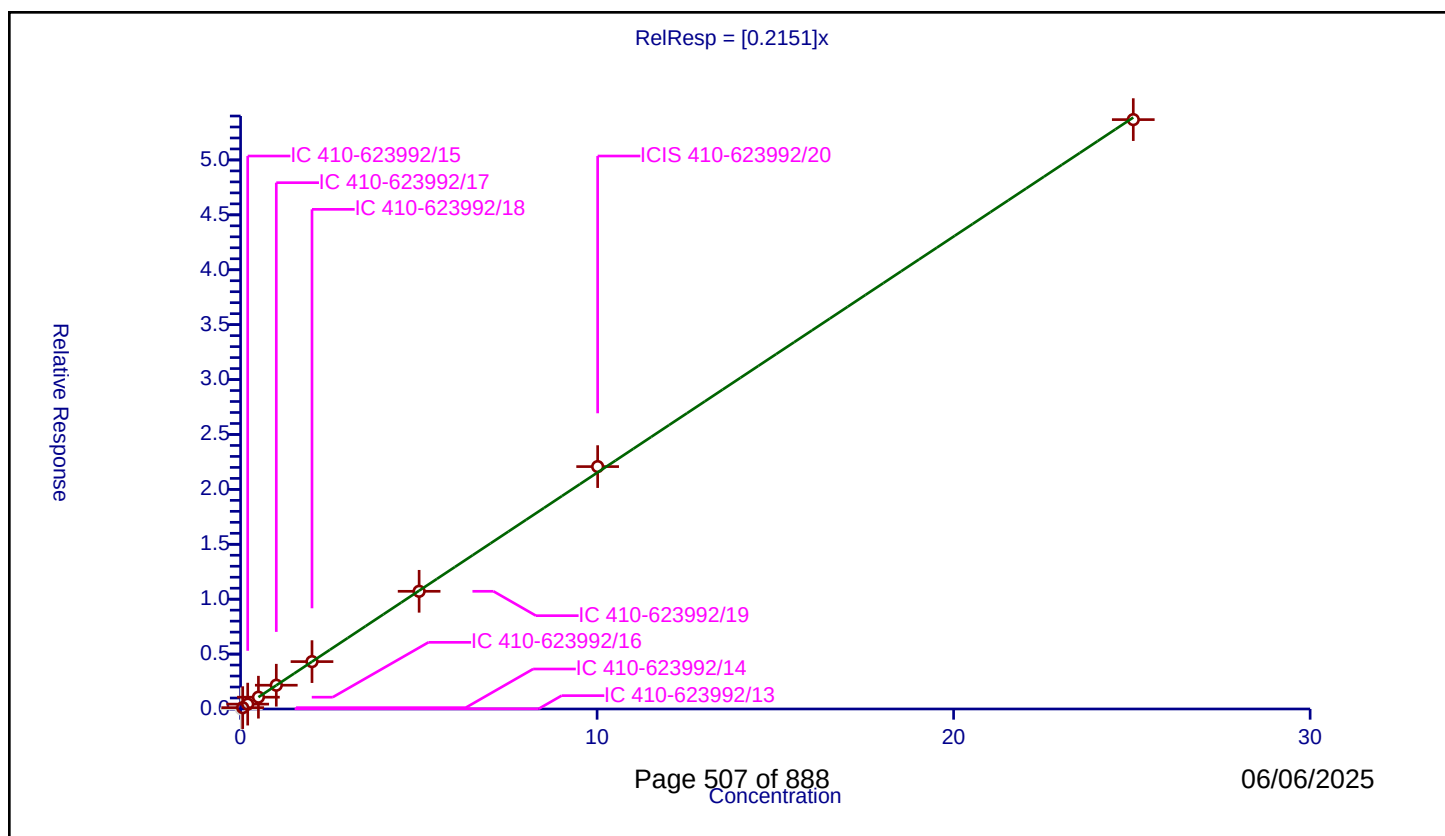
Curve Coefficients

Intercept: 0
 Slope: 0.2151

Error Coefficients

Relative Standard Deviation: 2.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.020032	0.001746	10.0	1964341.0	0.087167	N
2	IC 410-623992/14	0.060096	0.01235	10.0	1965958.0	0.205507	Y
3	IC 410-623992/15	0.200321	0.044221	10.0	2020747.0	0.220752	Y
4	IC 410-623992/16	0.500802	0.107371	10.0	2019903.0	0.214399	Y
5	IC 410-623992/17	1.001604	0.216578	10.0	2009620.0	0.216231	Y
6	IC 410-623992/18	2.003208	0.431447	10.0	2036656.0	0.215378	Y
7	IC 410-623992/19	5.00802	1.071713	10.0	2063762.0	0.213999	Y
8	ICIS 410-623992/20	10.01604	2.207226	10.0	2055680.0	0.220369	Y
9	IC 410-623992/21	25.0401	5.367129	10.0	2125436.0	0.214341	Y



Calibration

/ Carbon disulfide

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

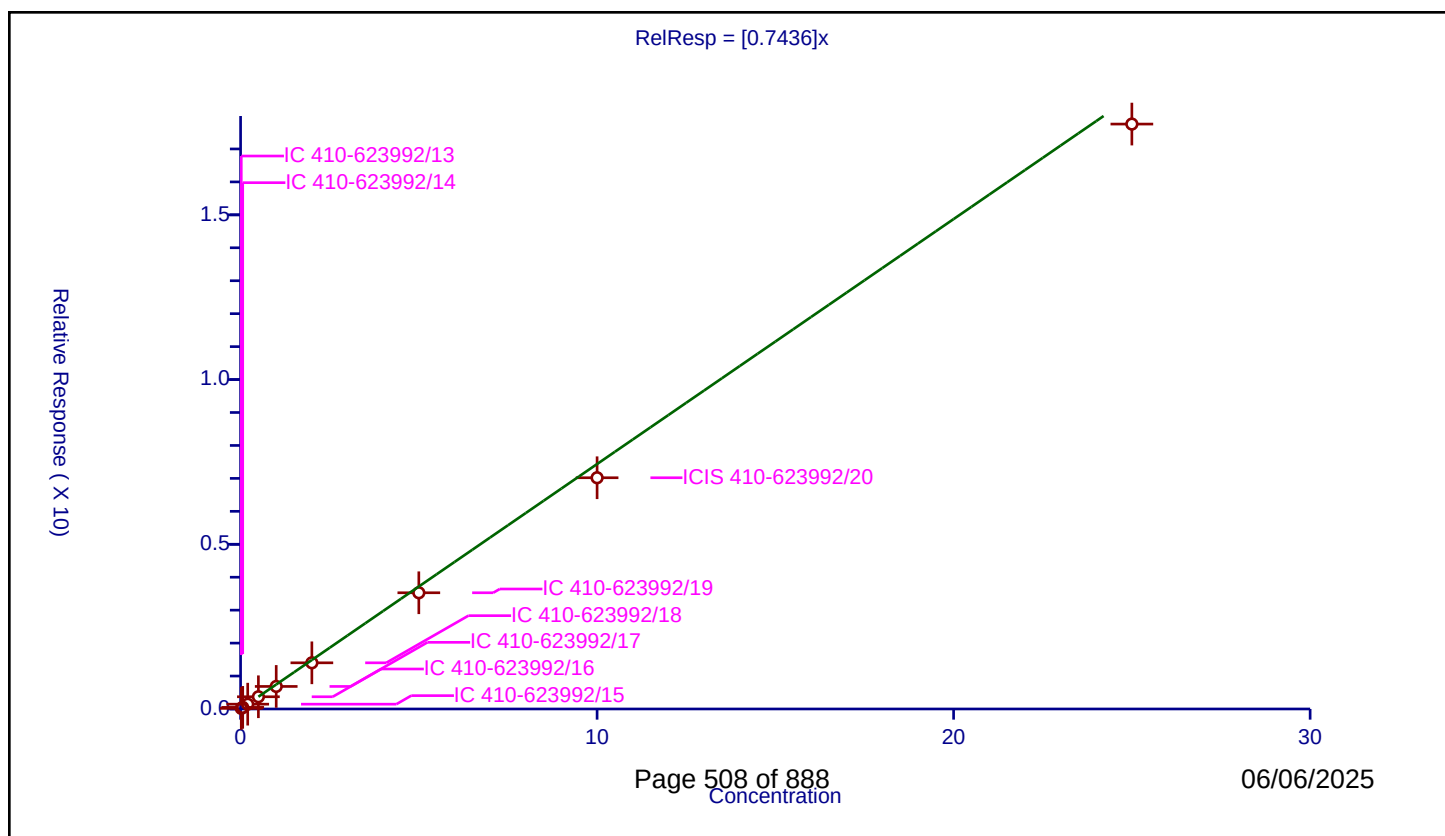
Curve Coefficients

Intercept: 0
Slope: 0.7436

Error Coefficients

Relative Standard Deviation: 9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.018016	10.0	1964341.0	0.900811	Y
2	IC 410-623992/14	0.06	0.048974	10.0	1965958.0	0.816226	Y
3	IC 410-623992/15	0.2	0.14601	10.0	2020747.0	0.730052	Y
4	IC 410-623992/16	0.5	0.370949	10.0	2019903.0	0.741897	Y
5	IC 410-623992/17	1.0	0.684443	10.0	2009620.0	0.684443	Y
6	IC 410-623992/18	2.0	1.401739	10.0	2036656.0	0.700869	Y
7	IC 410-623992/19	5.0	3.528357	10.0	2063762.0	0.705671	Y
8	ICIS 410-623992/20	10.0	7.019225	10.0	2055680.0	0.701922	Y
9	IC 410-623992/21	25.0	17.755858	10.0	2125436.0	0.710234	Y



Calibration

/ Methyl acetate

Curve Type: Linear
Weighting: None
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

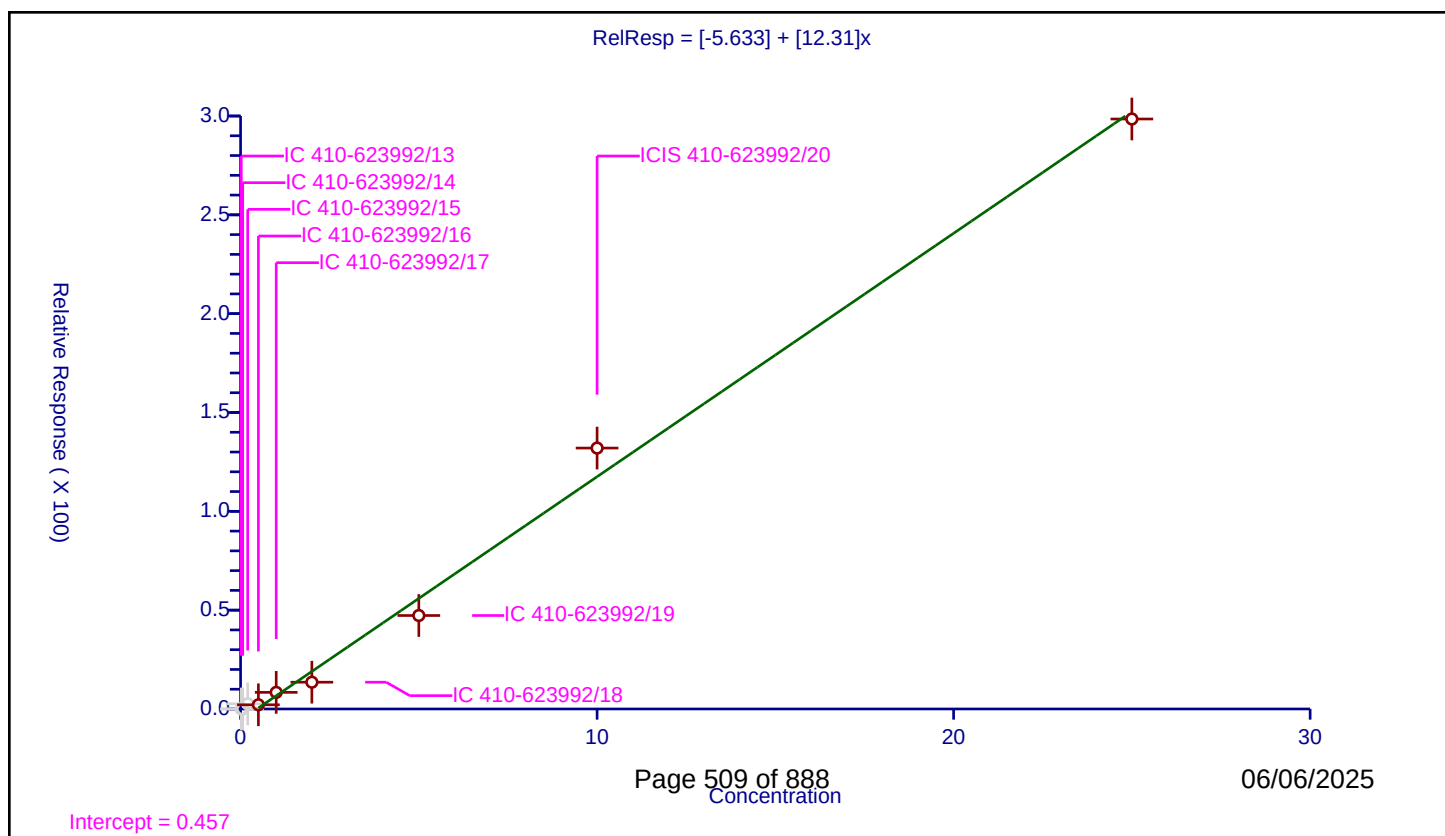
Curve Coefficients

Intercept: -5.633
Slope: 12.31

Error Coefficients

Relative Standard Deviation: 20.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.0	50.0	67983.0	0.0	N
2	IC 410-623992/14	0.06	0.0	50.0	69368.0	0.0	N
3	IC 410-623992/15	0.2	2.627143	50.0	55174.0	13.135716	N
4	IC 410-623992/16	0.5	2.120292	50.0	62232.0	4.240584	Y
5	IC 410-623992/17	1.0	8.417484	50.0	62685.0	8.417484	Y
6	IC 410-623992/18	2.0	13.55148	50.0	66026.0	6.77574	Y
7	IC 410-623992/19	5.0	47.289816	50.0	62136.0	9.457963	Y
8	ICIS 410-623992/20	10.0	132.007612	50.0	42040.0	13.200761	Y
9	IC 410-623992/21	25.0	298.493356	50.0	53430.0	11.939734	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

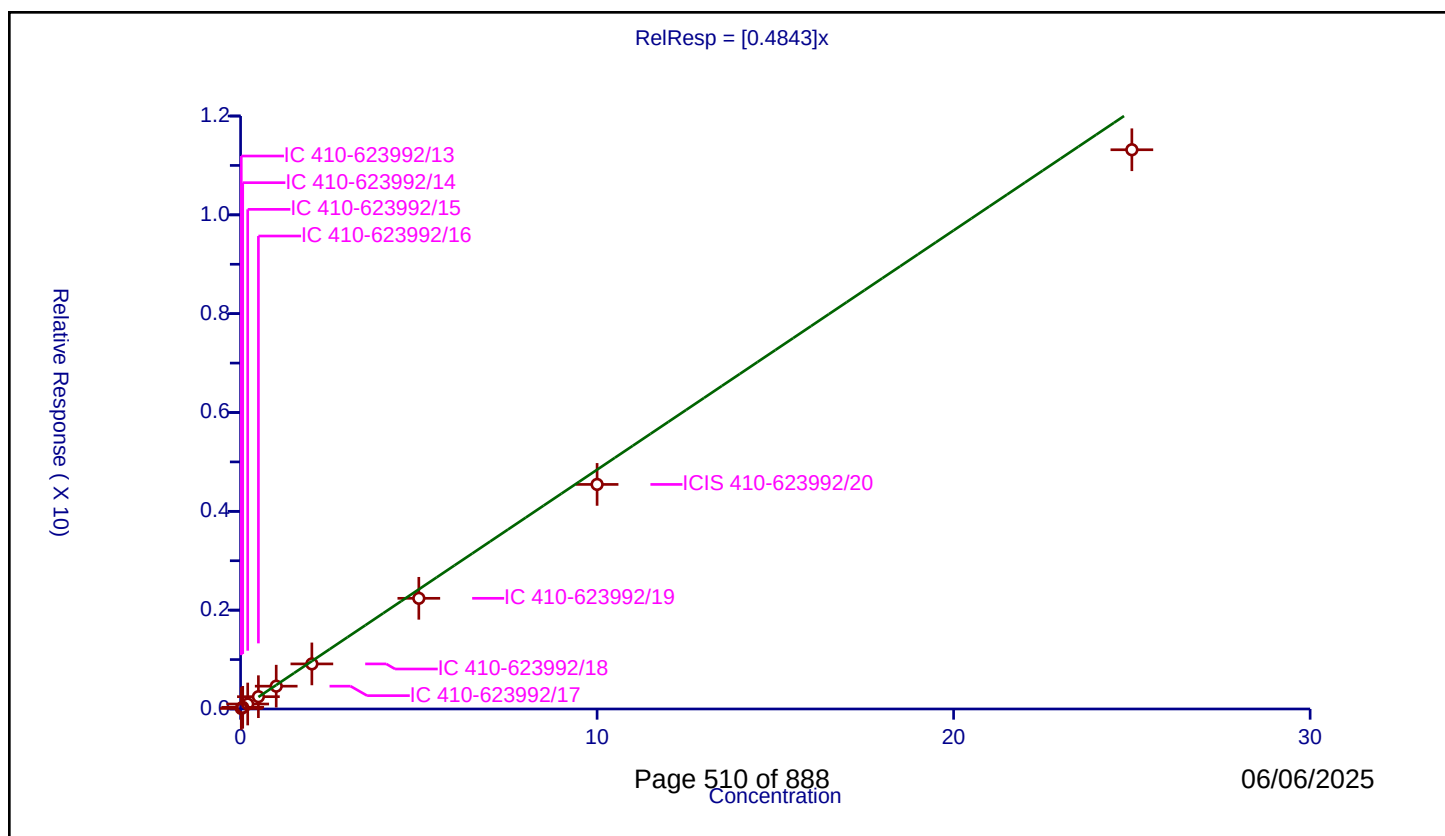
Curve Coefficients

Intercept: 0
Slope: 0.4843

Error Coefficients

Relative Standard Deviation: 8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.010431	10.0	1964341.0	0.521549	Y
2	IC 410-623992/14	0.06	0.03376	10.0	1965958.0	0.56266	Y
3	IC 410-623992/15	0.2	0.100636	10.0	2020747.0	0.50318	Y
4	IC 410-623992/16	0.5	0.249027	10.0	2019903.0	0.498054	Y
5	IC 410-623992/17	1.0	0.461734	10.0	2009620.0	0.461734	Y
6	IC 410-623992/18	2.0	0.912069	10.0	2036656.0	0.456034	Y
7	IC 410-623992/19	5.0	2.239599	10.0	2063762.0	0.44792	Y
8	ICIS 410-623992/20	10.0	4.544837	10.0	2055680.0	0.454484	Y
9	IC 410-623992/21	25.0	11.317198	10.0	2125436.0	0.452688	Y



Calibration

/ Methylene Chloride

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

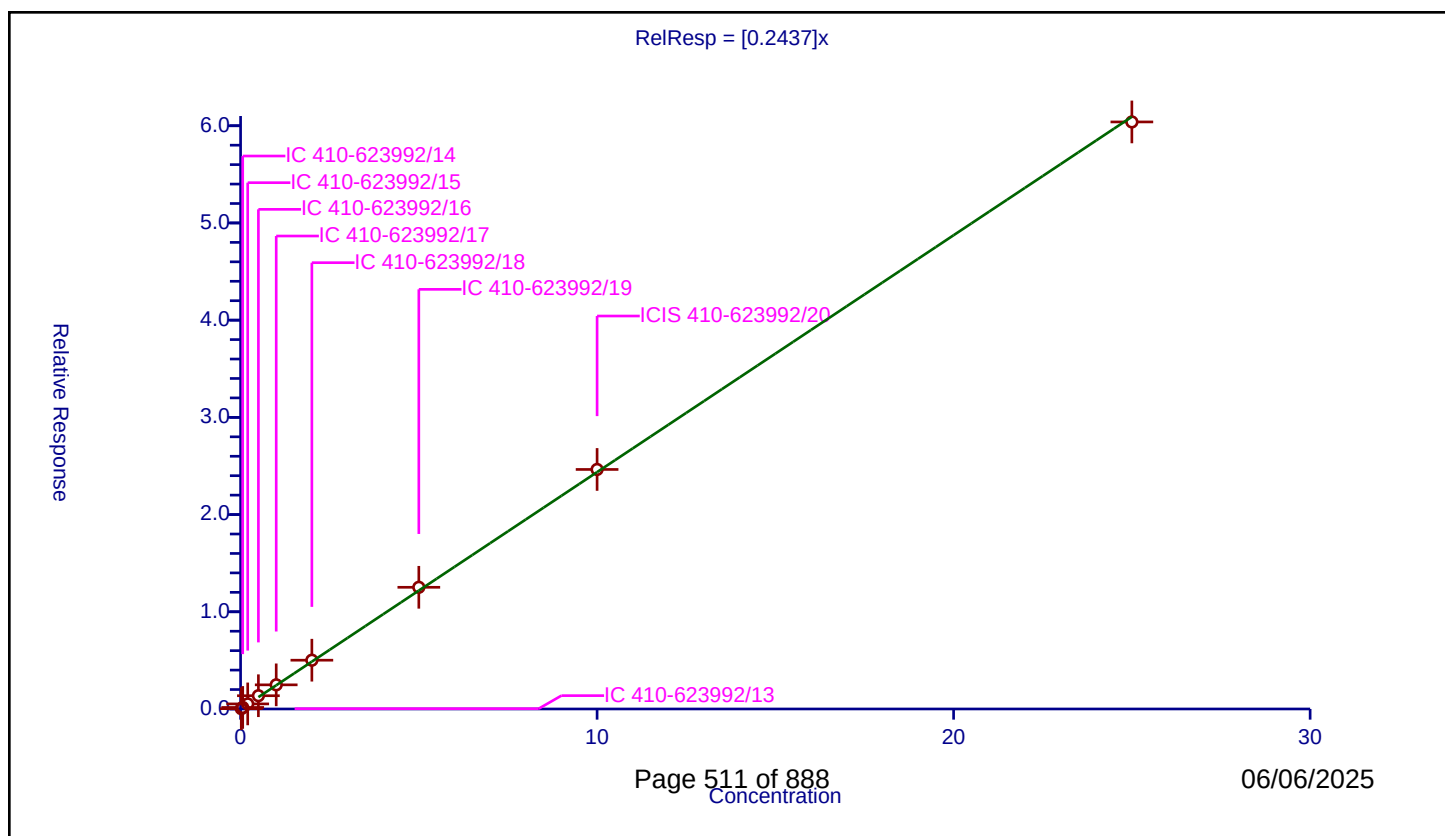
Curve Coefficients

Intercept: 0
Slope: 0.2437

Error Coefficients

Relative Standard Deviation: 13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.003161	10.0	1964341.0	0.158068	Y
2	IC 410-623992/14	0.06	0.015763	10.0	1965958.0	0.262722	Y
3	IC 410-623992/15	0.2	0.052342	10.0	2020747.0	0.26171	Y
4	IC 410-623992/16	0.5	0.136467	10.0	2019903.0	0.272934	Y
5	IC 410-623992/17	1.0	0.24846	10.0	2009620.0	0.24846	Y
6	IC 410-623992/18	2.0	0.501754	10.0	2036656.0	0.250877	Y
7	IC 410-623992/19	5.0	1.251913	10.0	2063762.0	0.250383	Y
8	ICIS 410-623992/20	10.0	2.464241	10.0	2055680.0	0.246424	Y
9	IC 410-623992/21	25.0	6.039048	10.0	2125436.0	0.241562	Y



Calibration

/ 2-Methyl-2-propanol

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

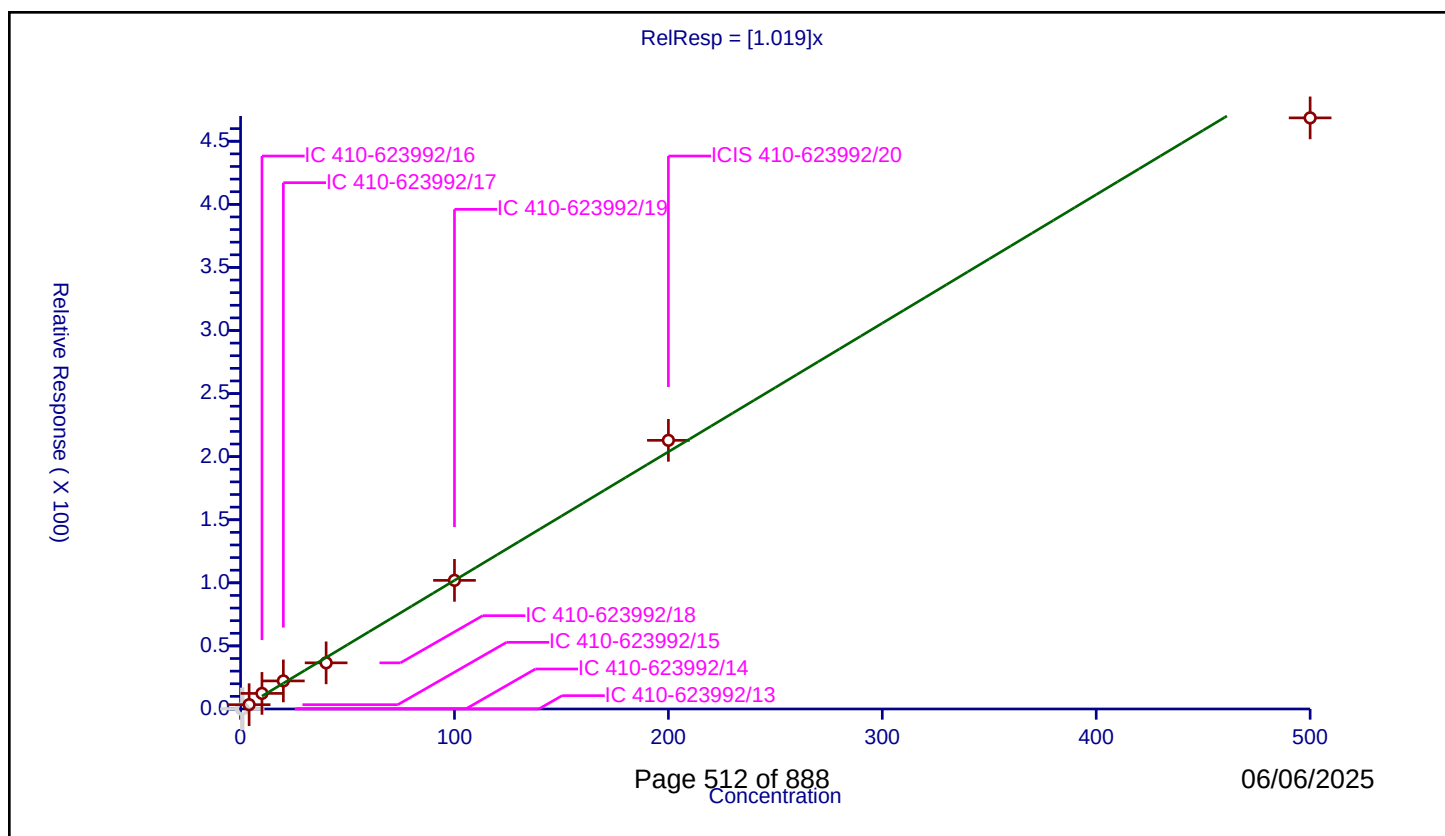
Curve Coefficients

Intercept: 0
Slope: 1.019

Error Coefficients

Relative Standard Deviation: 12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.4	0.0	50.0	67983.0	0.0	N
2	IC 410-623992/14	1.2	0.231375	50.0	69368.0	0.192812	N
3	IC 410-623992/15	4.0	3.407402	50.0	55174.0	0.851851	Y
4	IC 410-623992/16	10.0	12.346542	50.0	62232.0	1.234654	Y
5	IC 410-623992/17	20.0	22.250937	50.0	62685.0	1.112547	Y
6	IC 410-623992/18	40.0	36.585587	50.0	66026.0	0.91464	Y
7	IC 410-623992/19	100.0	101.942513	50.0	62136.0	1.019425	Y
8	ICIS 410-623992/20	200.0	212.948382	50.0	42040.0	1.064742	Y
9	IC 410-623992/21	500.0	468.527045	50.0	53430.0	0.937054	Y



Calibration

/ Acrylonitrile

Curve Type: Linear
Weighting: None
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

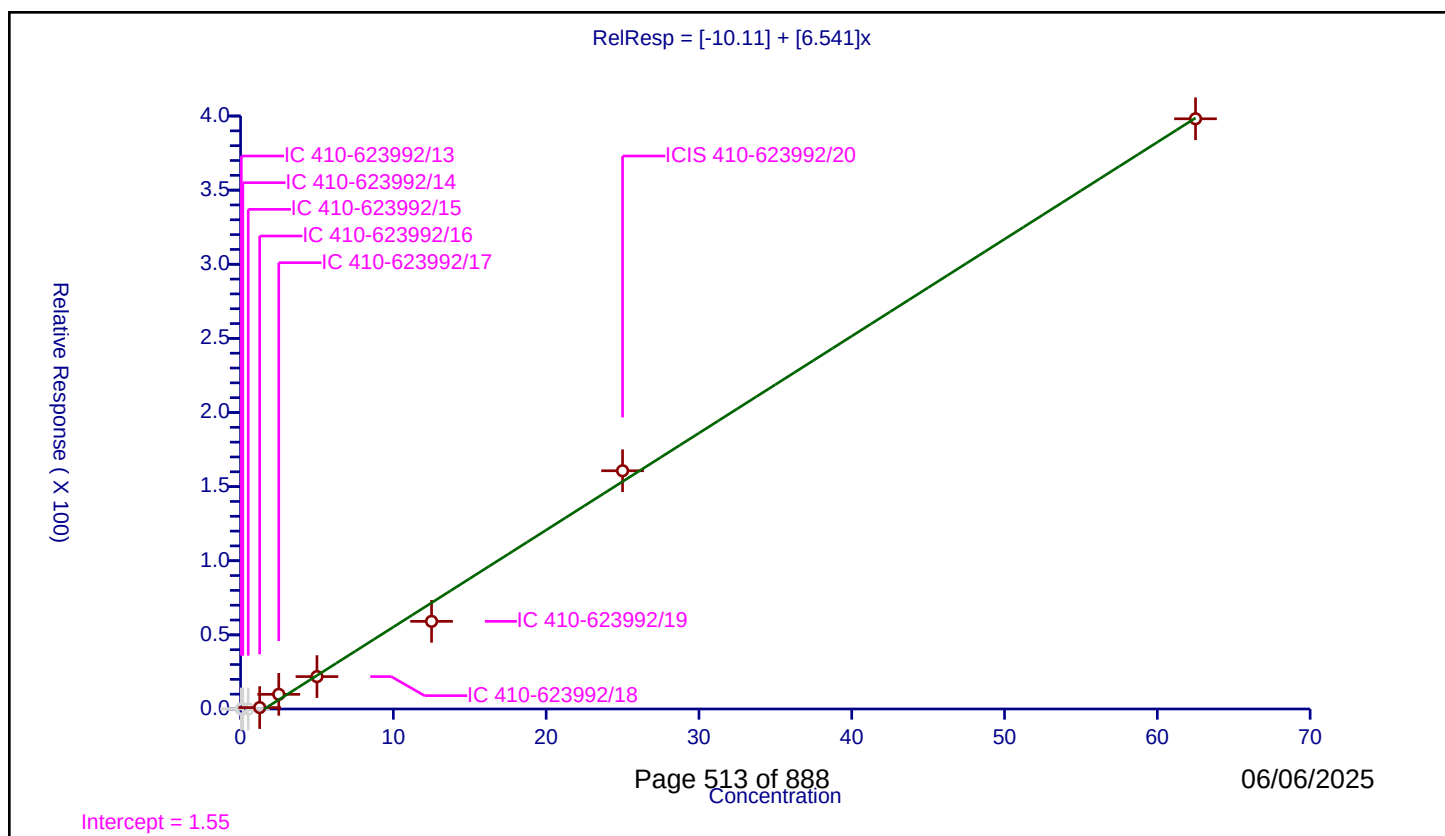
Curve Coefficients

Intercept: -10.11
Slope: 6.541

Error Coefficients

Relative Standard Deviation: 22.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.05	0.0	50.0	67983.0	0.0	N
2	IC 410-623992/14	0.15	0.0	50.0	69368.0	0.0	N
3	IC 410-623992/15	0.5	0.0	50.0	55174.0	0.0	N
4	IC 410-623992/16	1.25	0.949672	50.0	62232.0	0.759738	Y
5	IC 410-623992/17	2.5	9.890723	50.0	62685.0	3.956289	Y
6	IC 410-623992/18	5.0	21.839881	50.0	66026.0	4.367976	Y
7	IC 410-623992/19	12.5	59.11066	50.0	62136.0	4.728853	Y
8	ICIS 410-623992/20	25.0	160.698145	50.0	42040.0	6.427926	Y
9	IC 410-623992/21	62.5	398.124649	50.0	53430.0	6.369994	Y



Calibration

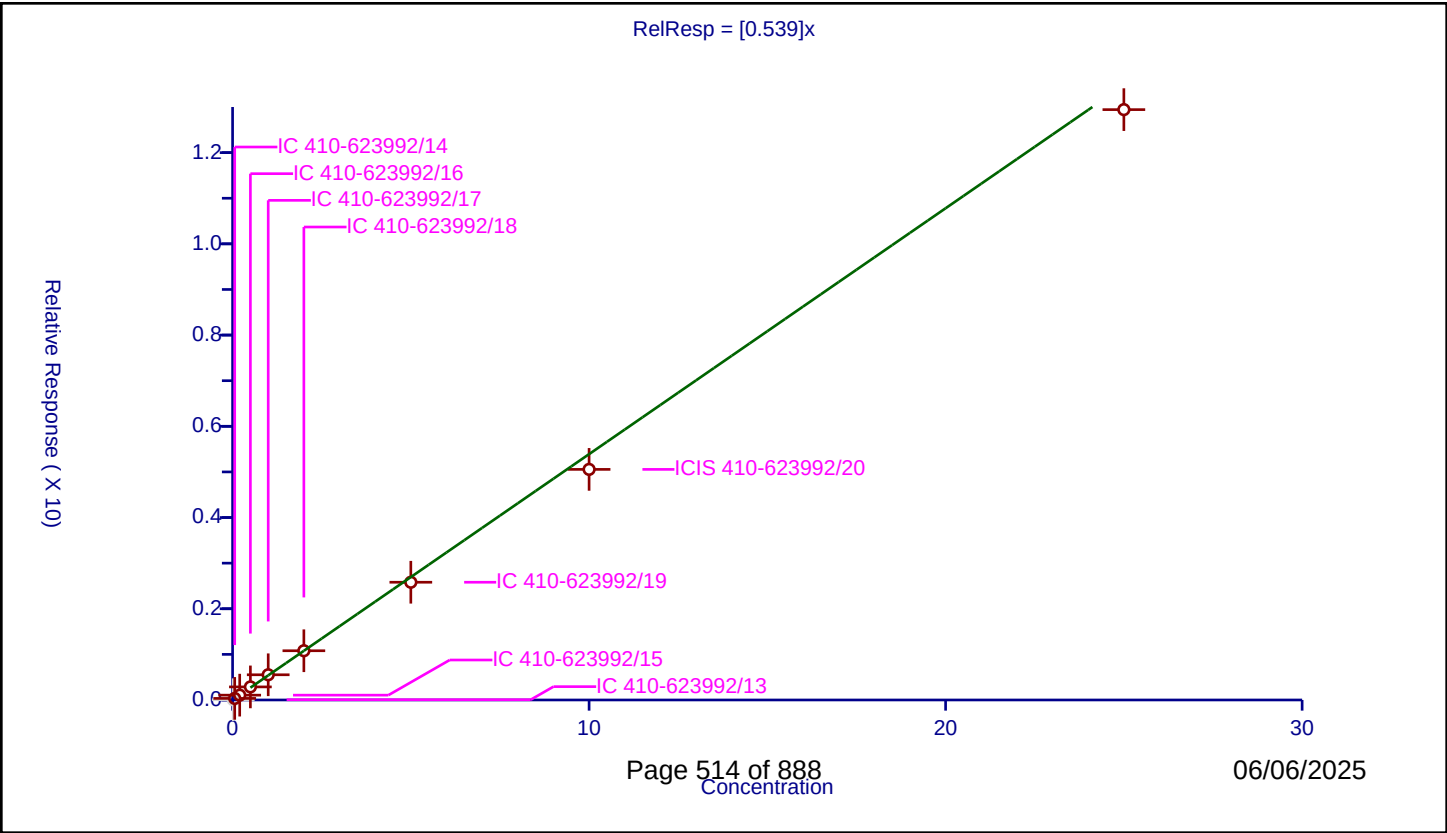
/ Methyl tert-butyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.539
Error Coefficients	

Relative Standard Deviation: 4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.00587	10.0	1964341.0	0.293483	N
2	IC 410-623992/14	0.06	0.034553	10.0	1965958.0	0.575885	Y
3	IC 410-623992/15	0.2	0.106065	10.0	2020747.0	0.530324	Y
4	IC 410-623992/16	0.5	0.286791	10.0	2019903.0	0.573582	Y
5	IC 410-623992/17	1.0	0.552975	10.0	2009620.0	0.552975	Y
6	IC 410-623992/18	2.0	1.079642	10.0	2036656.0	0.539821	Y
7	IC 410-623992/19	5.0	2.581582	10.0	2063762.0	0.516316	Y
8	ICIS 410-623992/20	10.0	5.055539	10.0	2055680.0	0.505554	Y
9	IC 410-623992/21	25.0	12.942836	10.0	2125436.0	0.517713	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

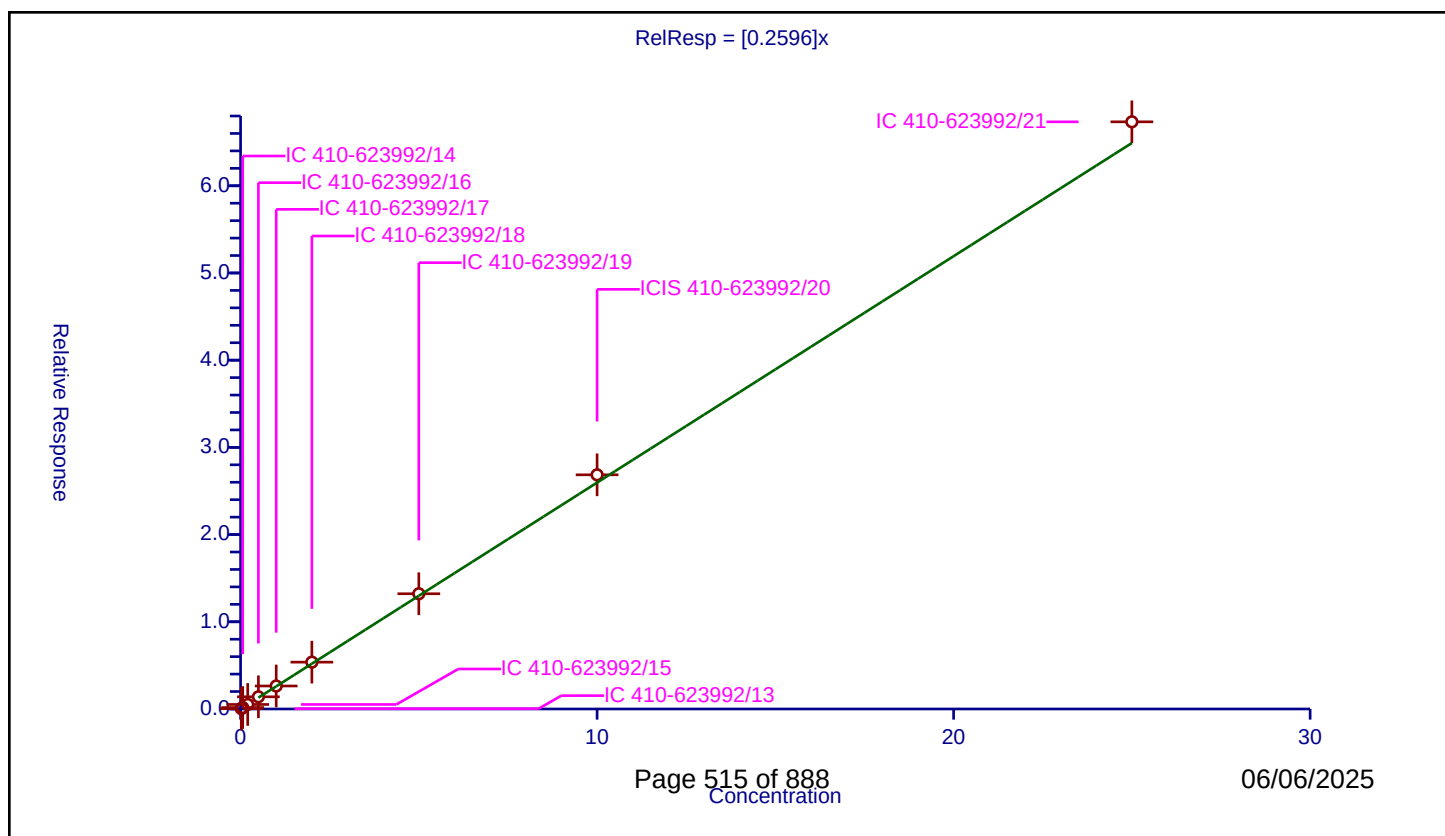
Curve Coefficients

Intercept: 0
Slope: 0.2596

Error Coefficients

Relative Standard Deviation: 11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.003676	10.0	1964341.0	0.183777	Y
2	IC 410-623992/14	0.06	0.016786	10.0	1965958.0	0.279762	Y
3	IC 410-623992/15	0.2	0.051813	10.0	2020747.0	0.259063	Y
4	IC 410-623992/16	0.5	0.139675	10.0	2019903.0	0.27935	Y
5	IC 410-623992/17	1.0	0.263741	10.0	2009620.0	0.263741	Y
6	IC 410-623992/18	2.0	0.537288	10.0	2036656.0	0.268644	Y
7	IC 410-623992/19	5.0	1.321538	10.0	2063762.0	0.264308	Y
8	ICIS 410-623992/20	10.0	2.685418	10.0	2055680.0	0.268542	Y
9	IC 410-623992/21	25.0	6.733414	10.0	2125436.0	0.269337	Y



Calibration

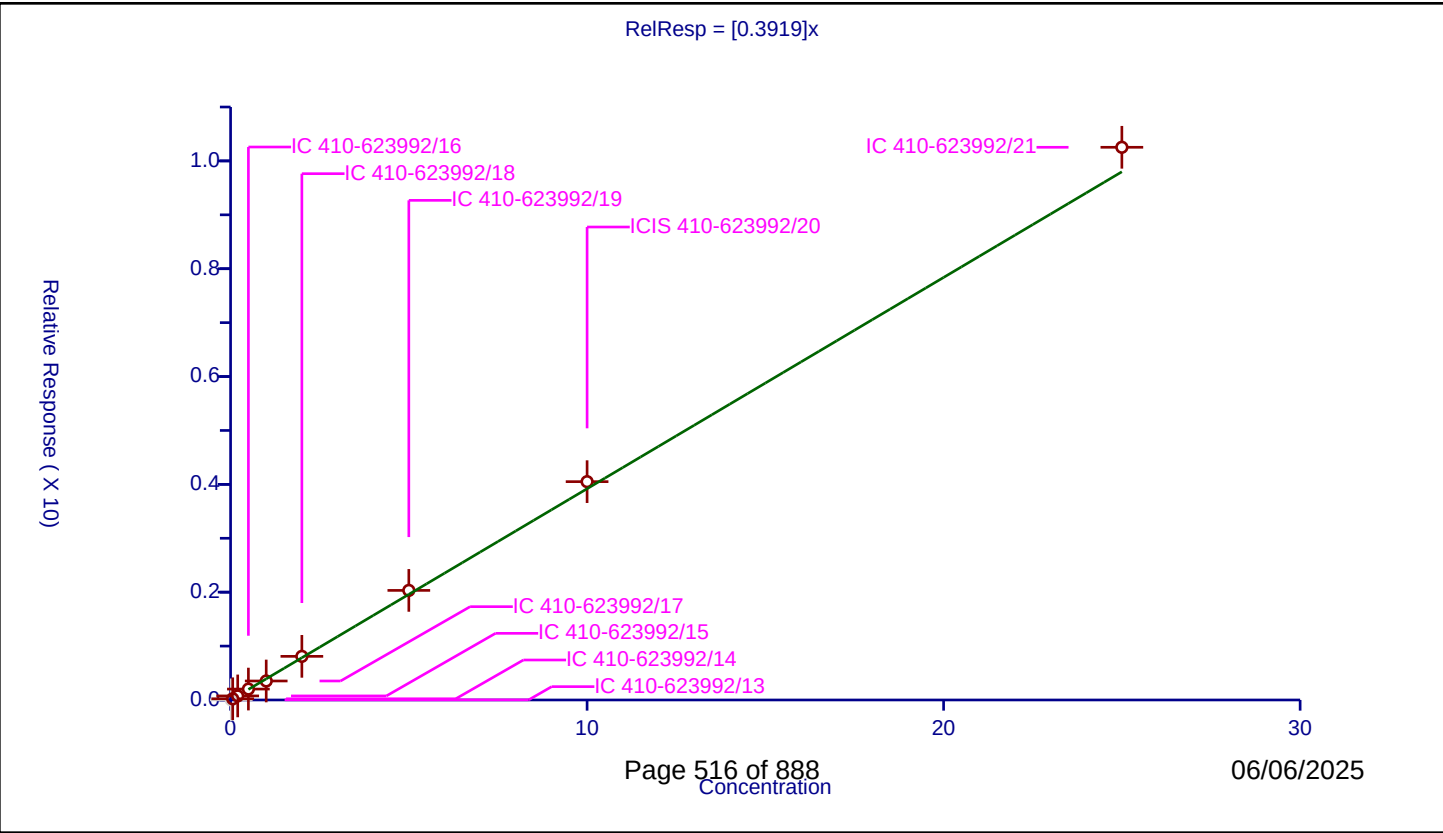
/ Hexane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3919
Error Coefficients	

Relative Standard Deviation: 5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.002606	10.0	1964341.0	0.130324	N
2	IC 410-623992/14	0.06	0.022457	10.0	1965958.0	0.374287	Y
3	IC 410-623992/15	0.2	0.075541	10.0	2020747.0	0.377707	Y
4	IC 410-623992/16	0.5	0.202366	10.0	2019903.0	0.404732	Y
5	IC 410-623992/17	1.0	0.352276	10.0	2009620.0	0.352276	Y
6	IC 410-623992/18	2.0	0.809386	10.0	2036656.0	0.404693	Y
7	IC 410-623992/19	5.0	2.033083	10.0	2063762.0	0.406617	Y
8	ICIS 410-623992/20	10.0	4.050202	10.0	2055680.0	0.40502	Y
9	IC 410-623992/21	25.0	10.253157	10.0	2125436.0	0.410126	Y



Calibration

/ 1,1-Dichloroethane

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

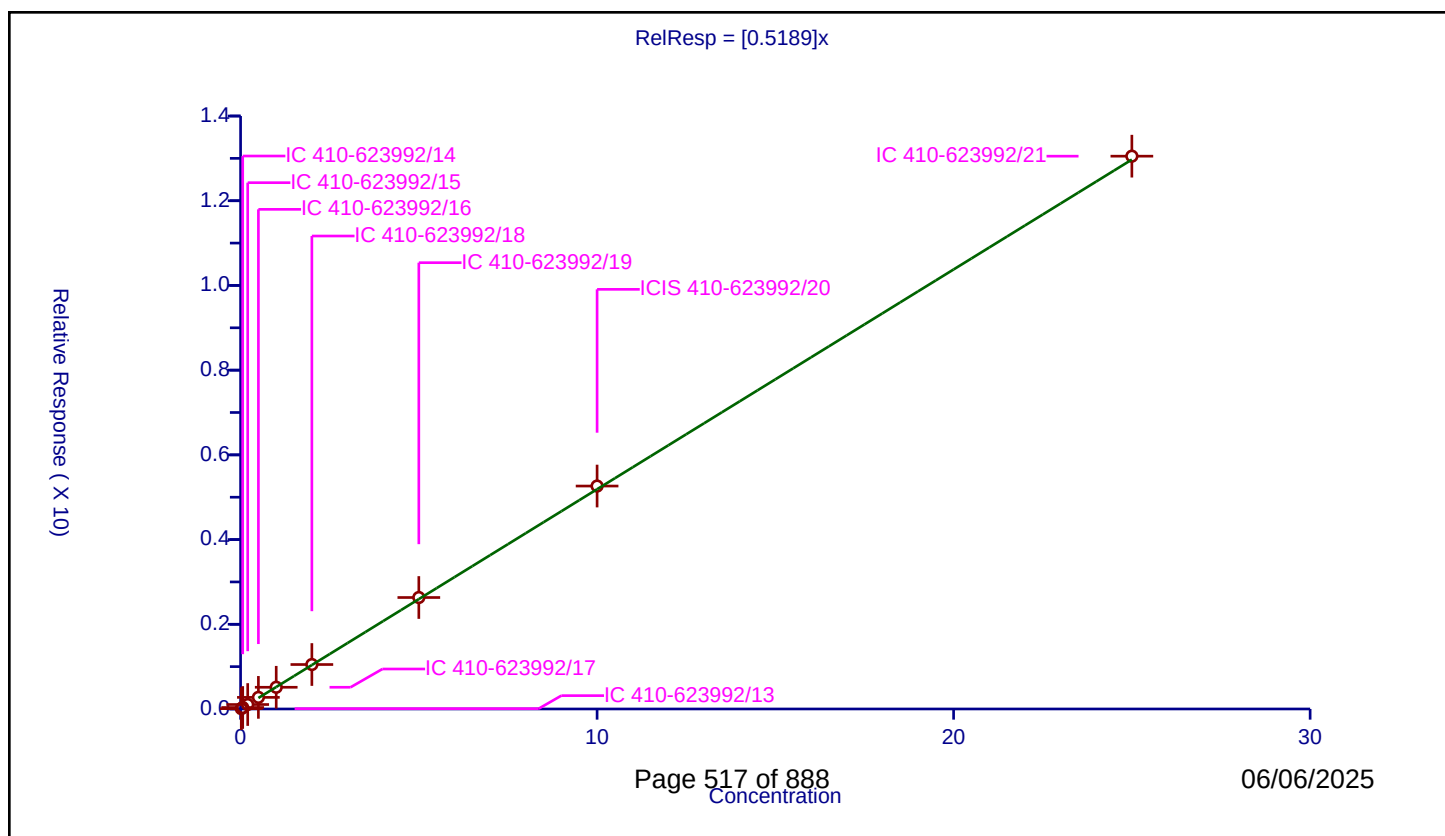
Curve Coefficients

Intercept: 0
Slope: 0.5189

Error Coefficients

Relative Standard Deviation: 9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.007972	10.0	1964341.0	0.398607	Y
2	IC 410-623992/14	0.06	0.034889	10.0	1965958.0	0.581481	Y
3	IC 410-623992/15	0.2	0.10559	10.0	2020747.0	0.527948	Y
4	IC 410-623992/16	0.5	0.274469	10.0	2019903.0	0.548937	Y
5	IC 410-623992/17	1.0	0.512823	10.0	2009620.0	0.512823	Y
6	IC 410-623992/18	2.0	1.05006	10.0	2036656.0	0.52503	Y
7	IC 410-623992/19	5.0	2.632072	10.0	2063762.0	0.526414	Y
8	ICIS 410-623992/20	10.0	5.263679	10.0	2055680.0	0.526368	Y
9	IC 410-623992/21	25.0	13.052051	10.0	2125436.0	0.522082	Y



Calibration

/ Isopropyl ether

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

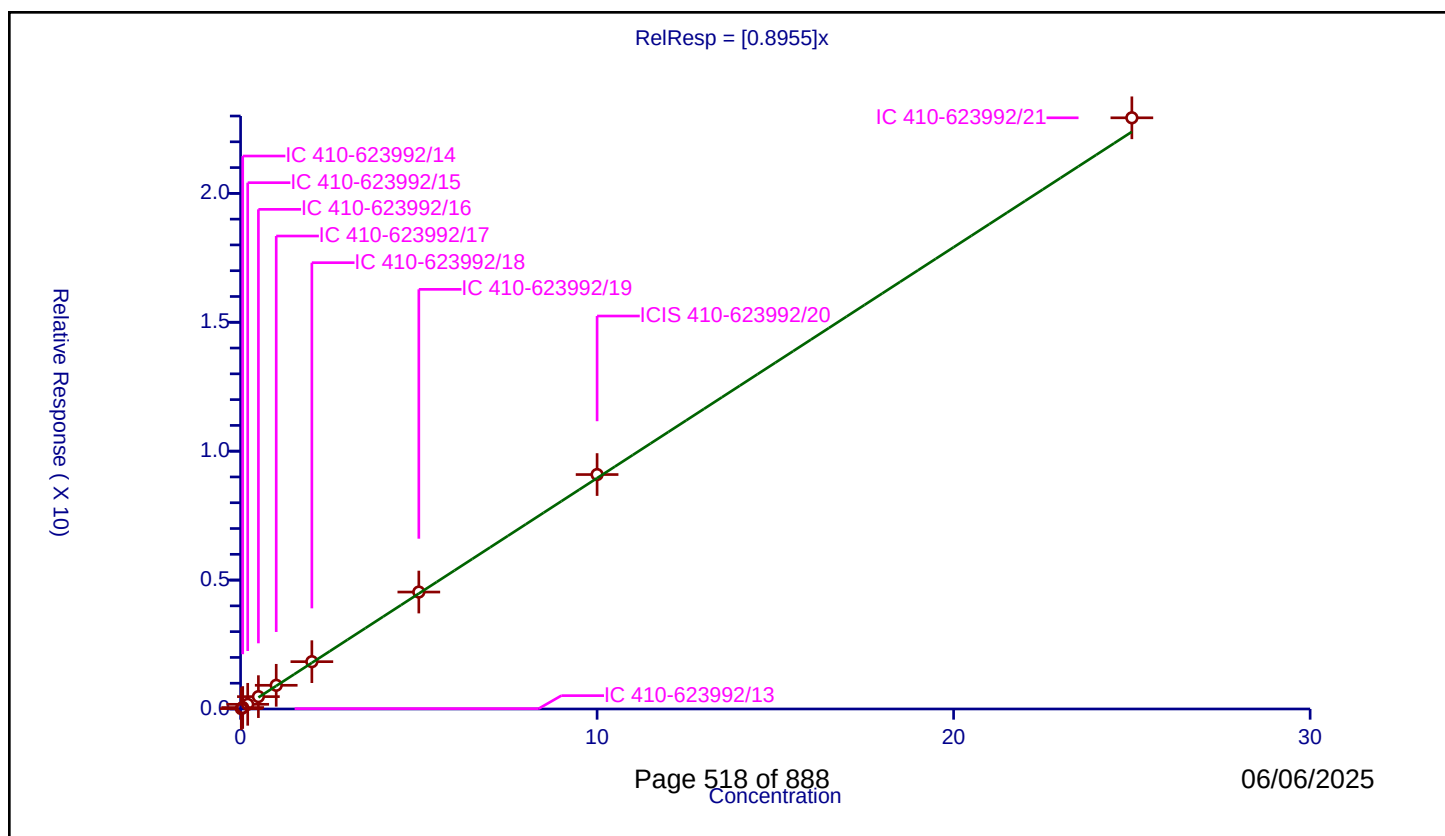
Curve Coefficients

Intercept: 0
Slope: 0.8955

Error Coefficients

Relative Standard Deviation: 9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.013689	10.0	1964341.0	0.684453	Y
2	IC 410-623992/14	0.06	0.056247	10.0	1965958.0	0.937456	Y
3	IC 410-623992/15	0.2	0.181591	10.0	2020747.0	0.907956	Y
4	IC 410-623992/16	0.5	0.479825	10.0	2019903.0	0.95965	Y
5	IC 410-623992/17	1.0	0.91888	10.0	2009620.0	0.91888	Y
6	IC 410-623992/18	2.0	1.834998	10.0	2036656.0	0.917499	Y
7	IC 410-623992/19	5.0	4.53624	10.0	2063762.0	0.907248	Y
8	ICIS 410-623992/20	10.0	9.093682	10.0	2055680.0	0.909368	Y
9	IC 410-623992/21	25.0	22.930923	10.0	2125436.0	0.917237	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

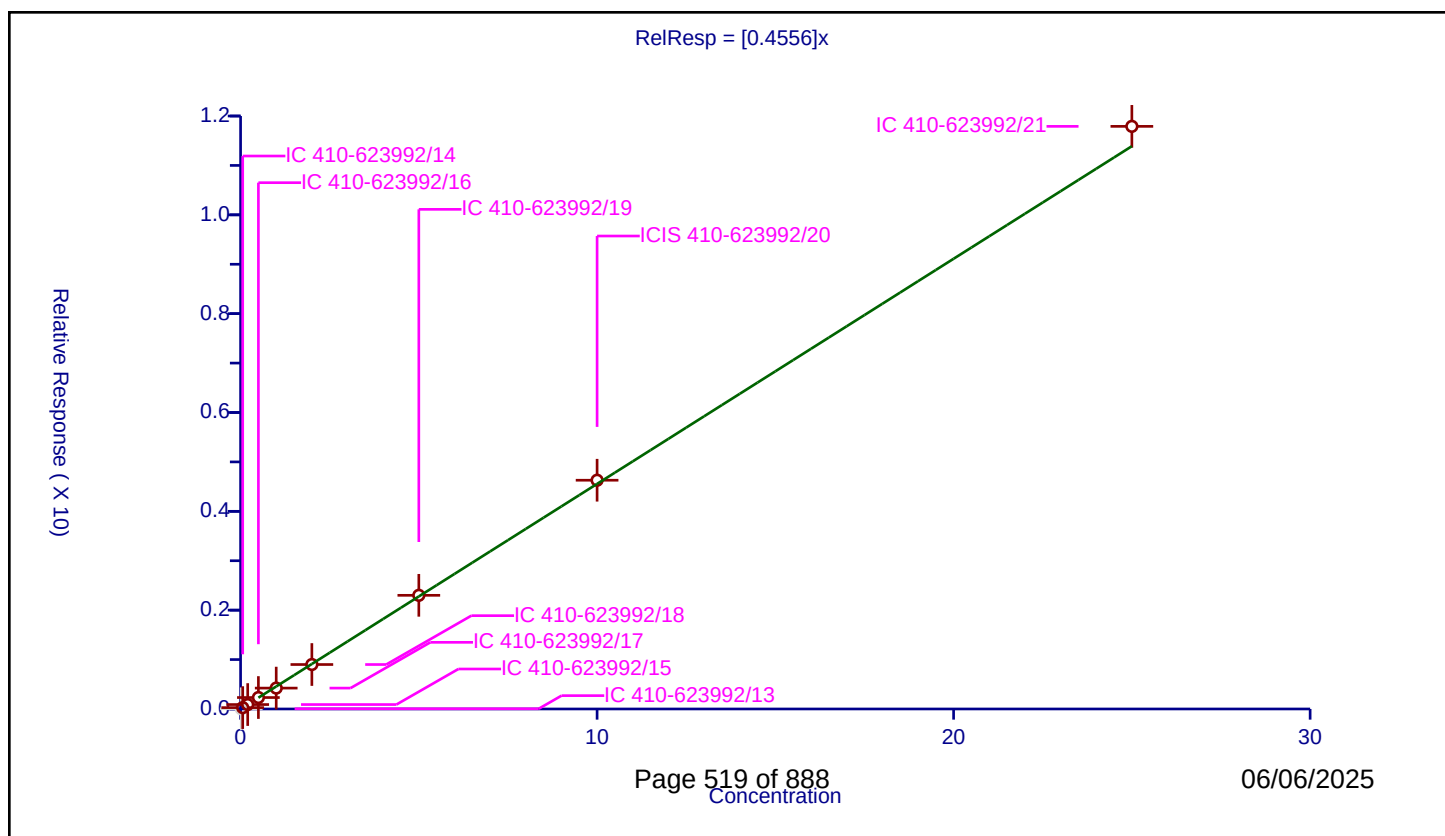
Curve Coefficients

Intercept: 0
Slope: 0.4556

Error Coefficients

Relative Standard Deviation: 3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.004342	10.0	1964341.0	0.217121	N
2	IC 410-623992/14	0.06	0.02788	10.0	1965958.0	0.464659	Y
3	IC 410-623992/15	0.2	0.089685	10.0	2020747.0	0.448423	Y
4	IC 410-623992/16	0.5	0.231902	10.0	2019903.0	0.463804	Y
5	IC 410-623992/17	1.0	0.422926	10.0	2009620.0	0.422926	Y
6	IC 410-623992/18	2.0	0.900034	10.0	2036656.0	0.450017	Y
7	IC 410-623992/19	5.0	2.300256	10.0	2063762.0	0.460051	Y
8	ICIS 410-623992/20	10.0	4.629256	10.0	2055680.0	0.462926	Y
9	IC 410-623992/21	25.0	11.790748	10.0	2125436.0	0.47163	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

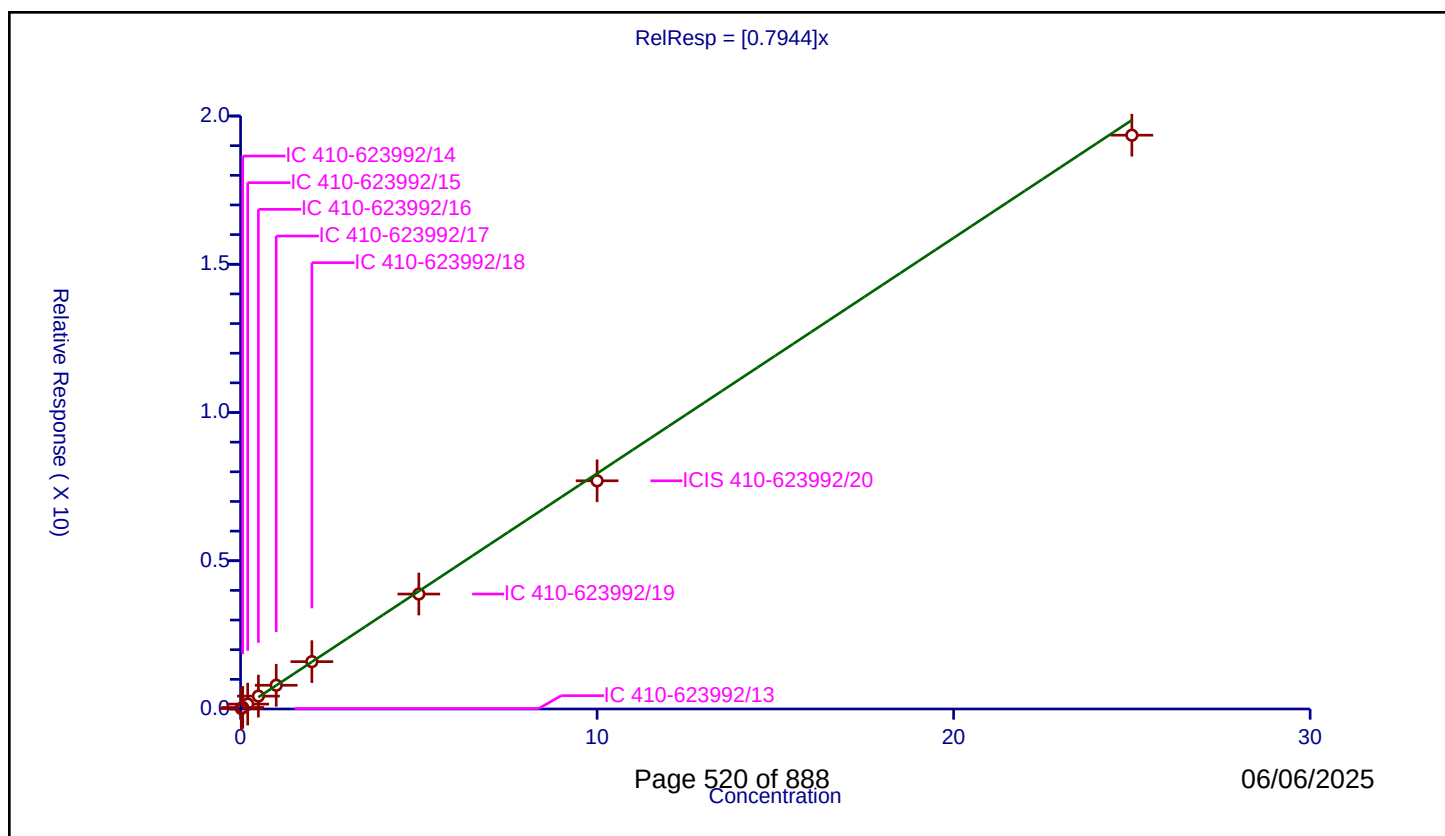
Curve Coefficients

Intercept: 0
Slope: 0.7944

Error Coefficients

Relative Standard Deviation: 6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.013811	10.0	1964341.0	0.690562	Y
2	IC 410-623992/14	0.06	0.050952	10.0	1965958.0	0.849204	Y
3	IC 410-623992/15	0.2	0.164795	10.0	2020747.0	0.823977	Y
4	IC 410-623992/16	0.5	0.434224	10.0	2019903.0	0.868448	Y
5	IC 410-623992/17	1.0	0.800256	10.0	2009620.0	0.800256	Y
6	IC 410-623992/18	2.0	1.596715	10.0	2036656.0	0.798358	Y
7	IC 410-623992/19	5.0	3.876823	10.0	2063762.0	0.775365	Y
8	ICIS 410-623992/20	10.0	7.696733	10.0	2055680.0	0.769673	Y
9	IC 410-623992/21	25.0	19.35305	10.0	2125436.0	0.774122	Y



Calibration

/ 2-Butanone (MEK)

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

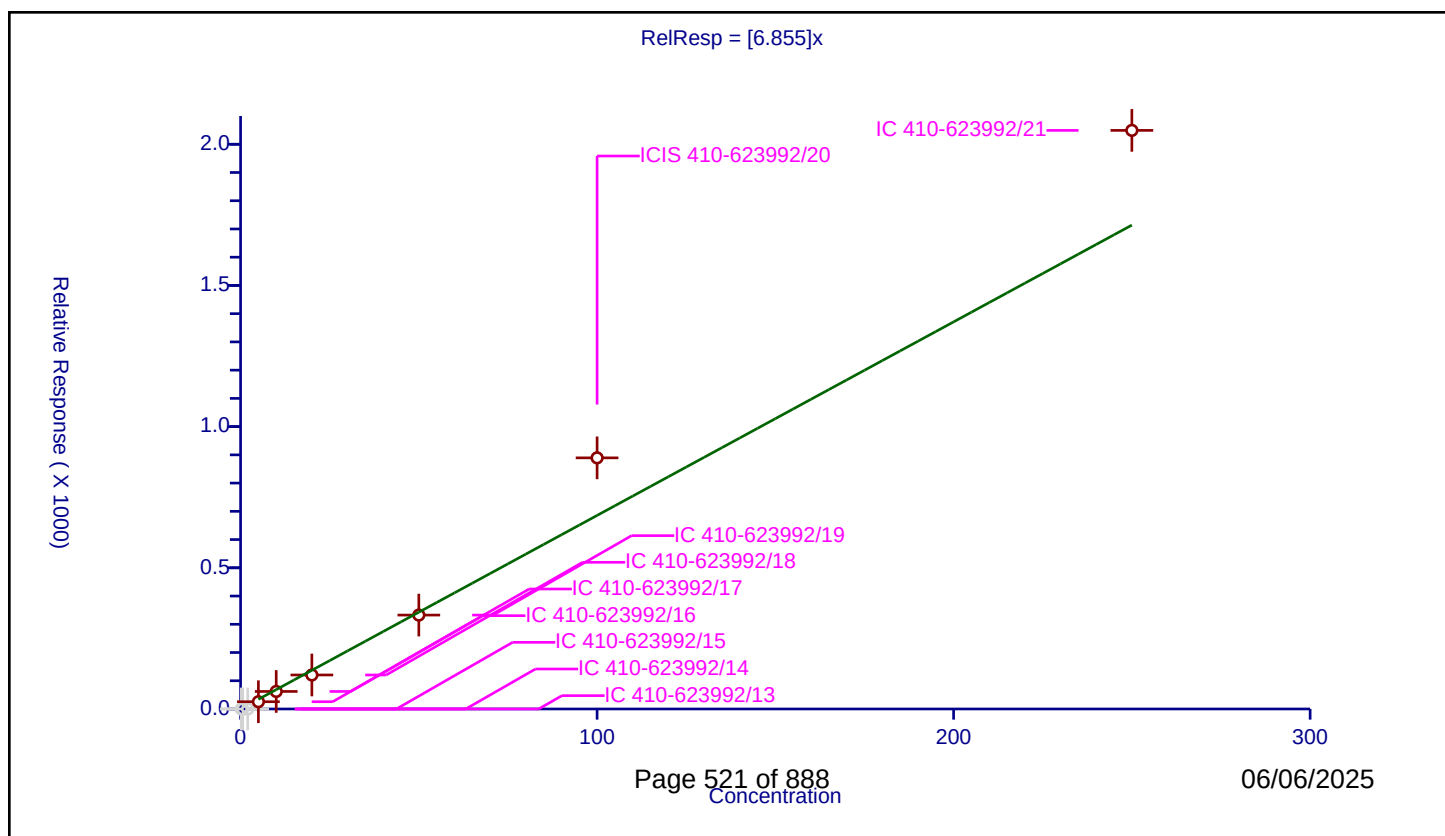
Curve Coefficients

Intercept: 0
 Slope: 6.855

Error Coefficients

Relative Standard Deviation: 20.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.2	0.0	50.0	67983.0	0.0	N
2	IC 410-623992/14	0.6	0.0	50.0	69368.0	0.0	N
3	IC 410-623992/15	2.0	0.0	50.0	55174.0	0.0	N
4	IC 410-623992/16	5.0	25.765683	50.0	62232.0	5.153137	Y
5	IC 410-623992/17	10.0	62.08104	50.0	62685.0	6.208104	Y
6	IC 410-623992/18	20.0	120.486626	50.0	66026.0	6.024331	Y
7	IC 410-623992/19	50.0	332.593022	50.0	62136.0	6.65186	Y
8	ICIS 410-623992/20	100.0	889.380352	50.0	42040.0	8.893804	Y
9	IC 410-623992/21	250.0	2049.077297	50.0	53430.0	8.196309	Y



Calibration

/ 2,2-Dichloropropane

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

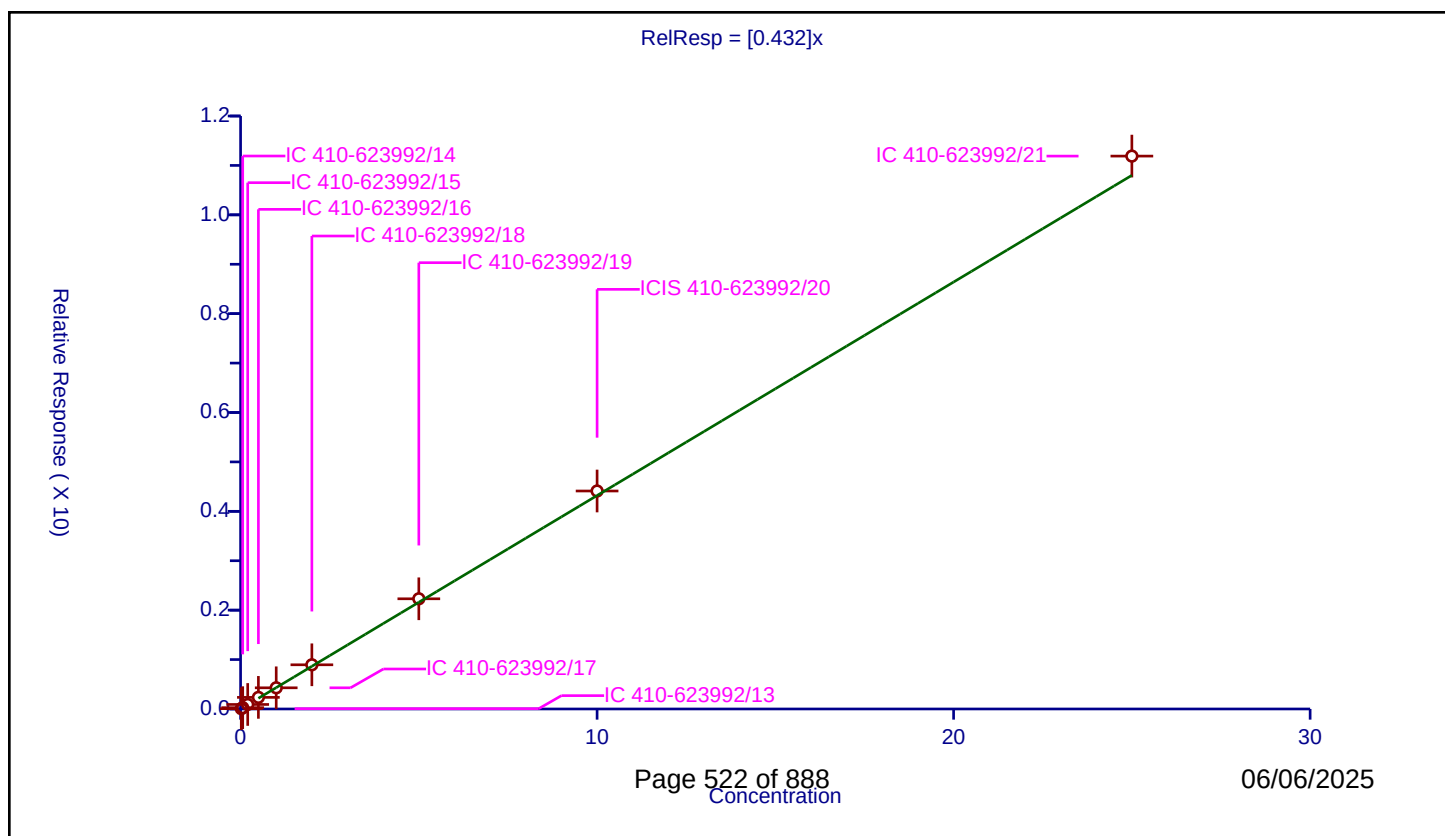
Curve Coefficients

Intercept: 0
Slope: 0.432

Error Coefficients

Relative Standard Deviation: 11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.006089	10.0	1964341.0	0.304428	Y
2	IC 410-623992/14	0.06	0.026781	10.0	1965958.0	0.446347	Y
3	IC 410-623992/15	0.2	0.091219	10.0	2020747.0	0.456094	Y
4	IC 410-623992/16	0.5	0.235239	10.0	2019903.0	0.470478	Y
5	IC 410-623992/17	1.0	0.428569	10.0	2009620.0	0.428569	Y
6	IC 410-623992/18	2.0	0.894638	10.0	2036656.0	0.447319	Y
7	IC 410-623992/19	5.0	2.230359	10.0	2063762.0	0.446072	Y
8	ICIS 410-623992/20	10.0	4.411226	10.0	2055680.0	0.441123	Y
9	IC 410-623992/21	25.0	11.188716	10.0	2125436.0	0.447549	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

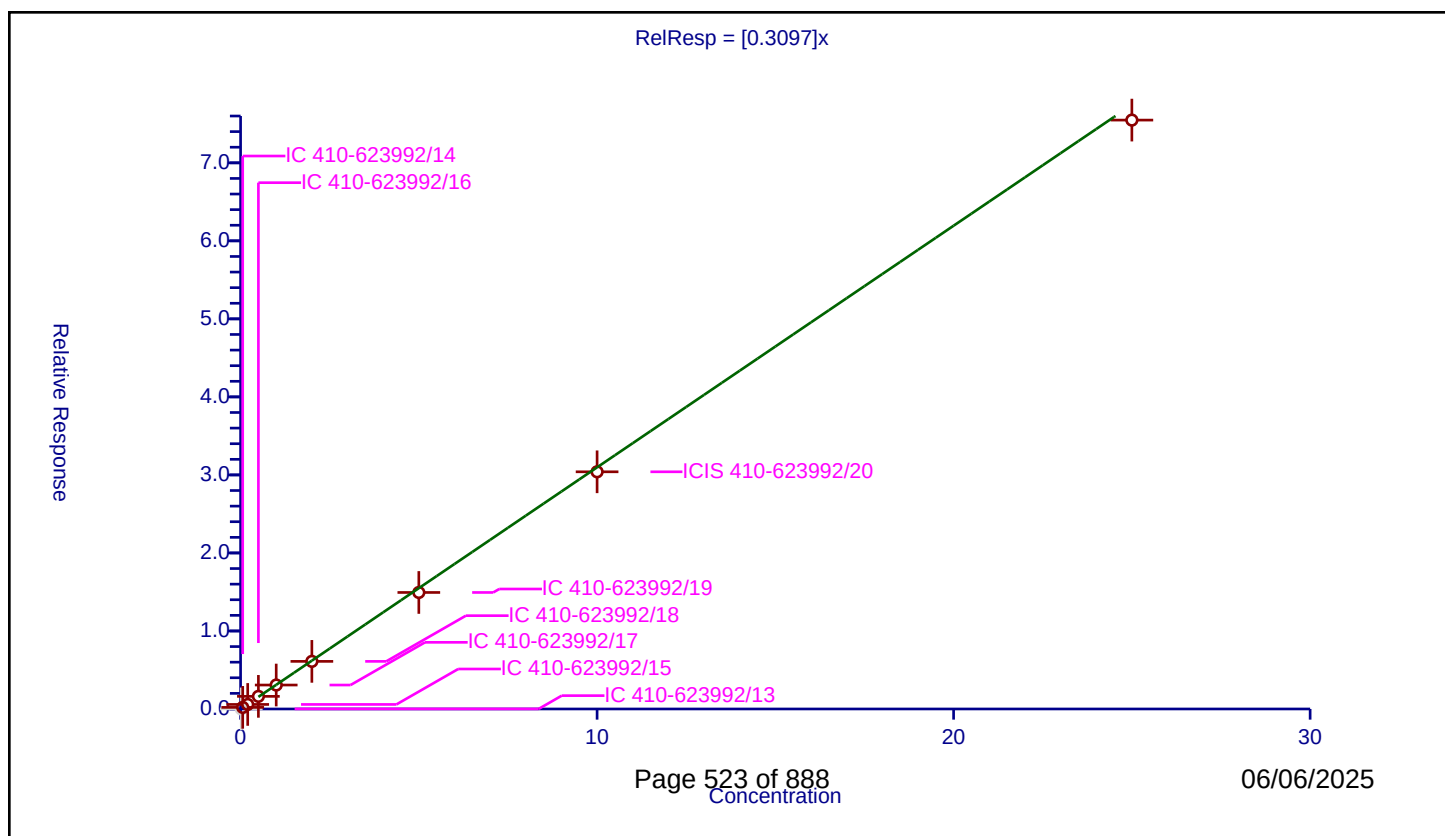
Curve Coefficients

Intercept: 0
Slope: 0.3097

Error Coefficients

Relative Standard Deviation: 5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.001293	10.0	1964341.0	0.064653	N
2	IC 410-623992/14	0.06	0.020763	10.0	1965958.0	0.346057	Y
3	IC 410-623992/15	0.2	0.058196	10.0	2020747.0	0.290982	Y
4	IC 410-623992/16	0.5	0.161953	10.0	2019903.0	0.323907	Y
5	IC 410-623992/17	1.0	0.306978	10.0	2009620.0	0.306978	Y
6	IC 410-623992/18	2.0	0.610201	10.0	2036656.0	0.305101	Y
7	IC 410-623992/19	5.0	1.493244	10.0	2063762.0	0.298649	Y
8	ICIS 410-623992/20	10.0	3.040089	10.0	2055680.0	0.304009	Y
9	IC 410-623992/21	25.0	7.547731	10.0	2125436.0	0.301909	Y



Calibration

/ Propionitrile

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

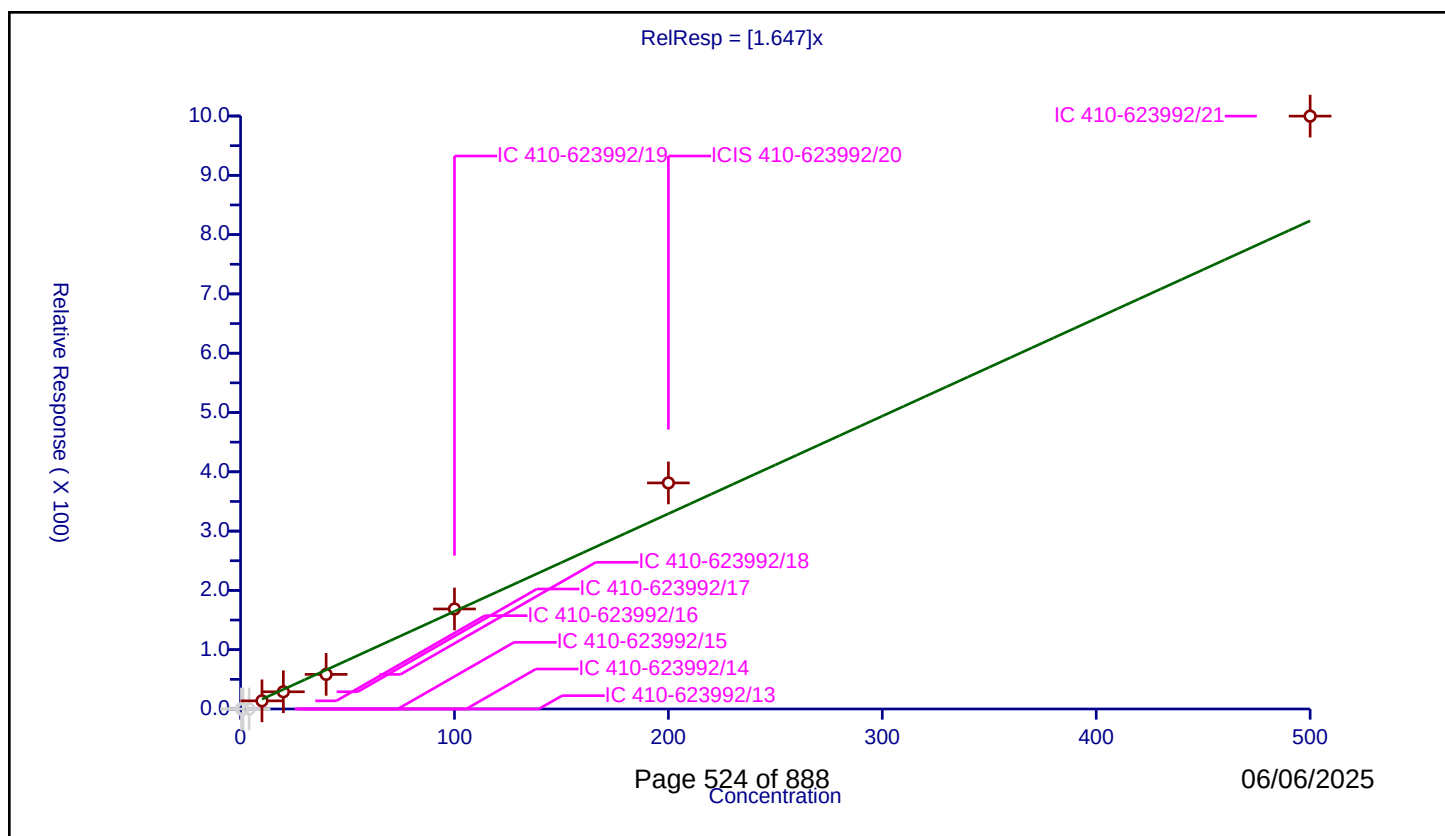
Curve Coefficients

Intercept: 0
Slope: 1.647

Error Coefficients

Relative Standard Deviation: 15.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.4	0.0	50.0	67983.0	0.0	N
2	IC 410-623992/14	1.2	0.0	50.0	69368.0	0.0	N
3	IC 410-623992/15	4.0	0.0	50.0	55174.0	0.0	N
4	IC 410-623992/16	10.0	13.758195	50.0	62232.0	1.37582	Y
5	IC 410-623992/17	20.0	29.035654	50.0	62685.0	1.451783	Y
6	IC 410-623992/18	40.0	58.365644	50.0	66026.0	1.459141	Y
7	IC 410-623992/19	100.0	168.65907	50.0	62136.0	1.686591	Y
8	ICIS 410-623992/20	200.0	381.242864	50.0	42040.0	1.906214	Y
9	IC 410-623992/21	500.0	999.832491	50.0	53430.0	1.999665	Y



Calibration

/ Methacrylonitrile

Curve Type: Linear
Weighting: None
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

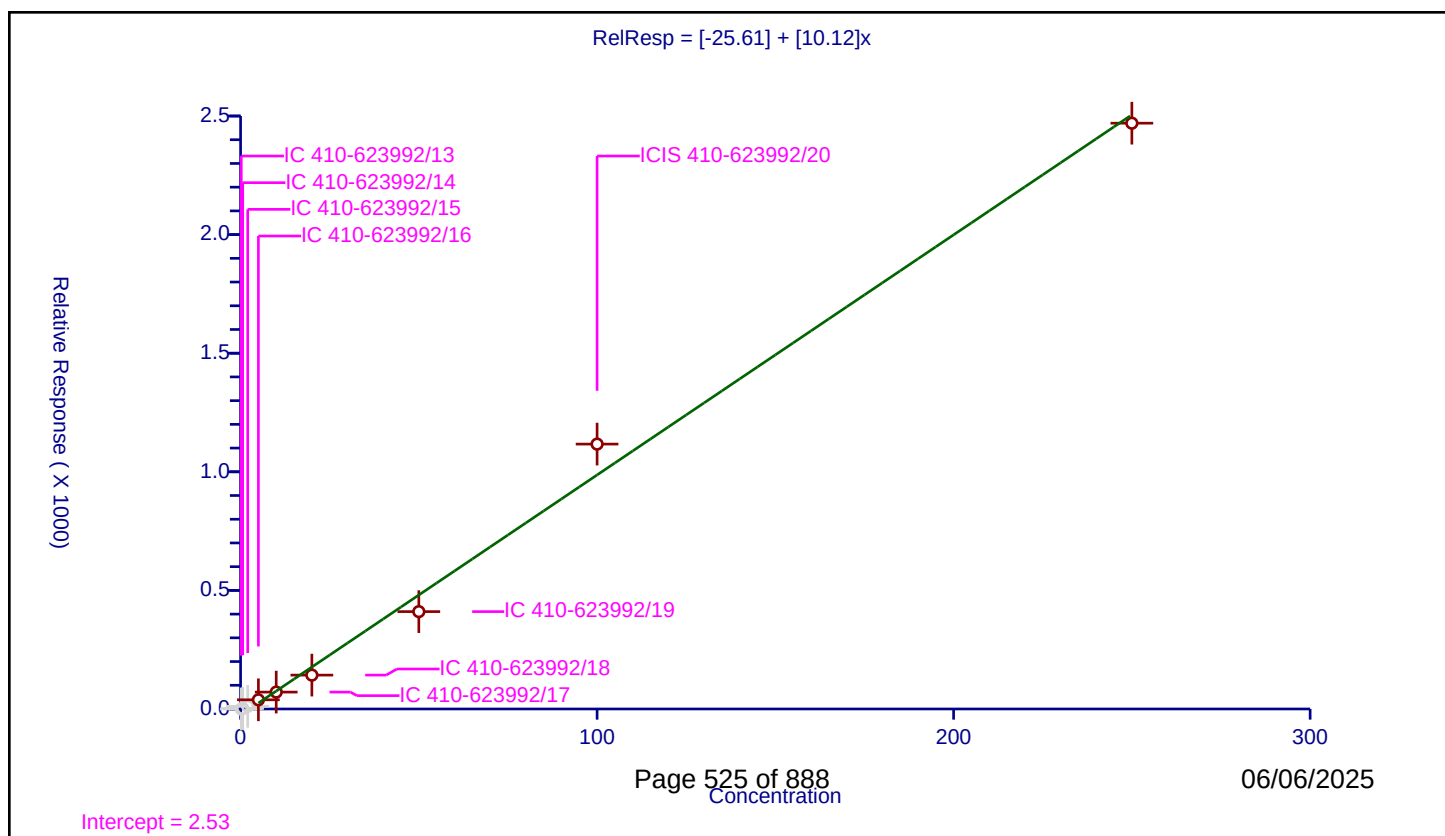
Curve Coefficients

Intercept: -25.61
Slope: 10.12

Error Coefficients

Relative Standard Deviation: 18.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.2	0.0	50.0	67983.0	0.0	N
2	IC 410-623992/14	0.6	2.515569	50.0	69368.0	4.192615	N
3	IC 410-623992/15	2.0	11.212709	50.0	55174.0	5.606354	N
4	IC 410-623992/16	5.0	38.746947	50.0	62232.0	7.749389	Y
5	IC 410-623992/17	10.0	71.27702	50.0	62685.0	7.127702	Y
6	IC 410-623992/18	20.0	142.820253	50.0	66026.0	7.141013	Y
7	IC 410-623992/19	50.0	410.503573	50.0	62136.0	8.210071	Y
8	ICIS 410-623992/20	100.0	1116.794719	50.0	42040.0	11.167947	Y
9	IC 410-623992/21	250.0	2469.771664	50.0	53430.0	9.879087	Y



Calibration

/ Chlorobromomethane

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

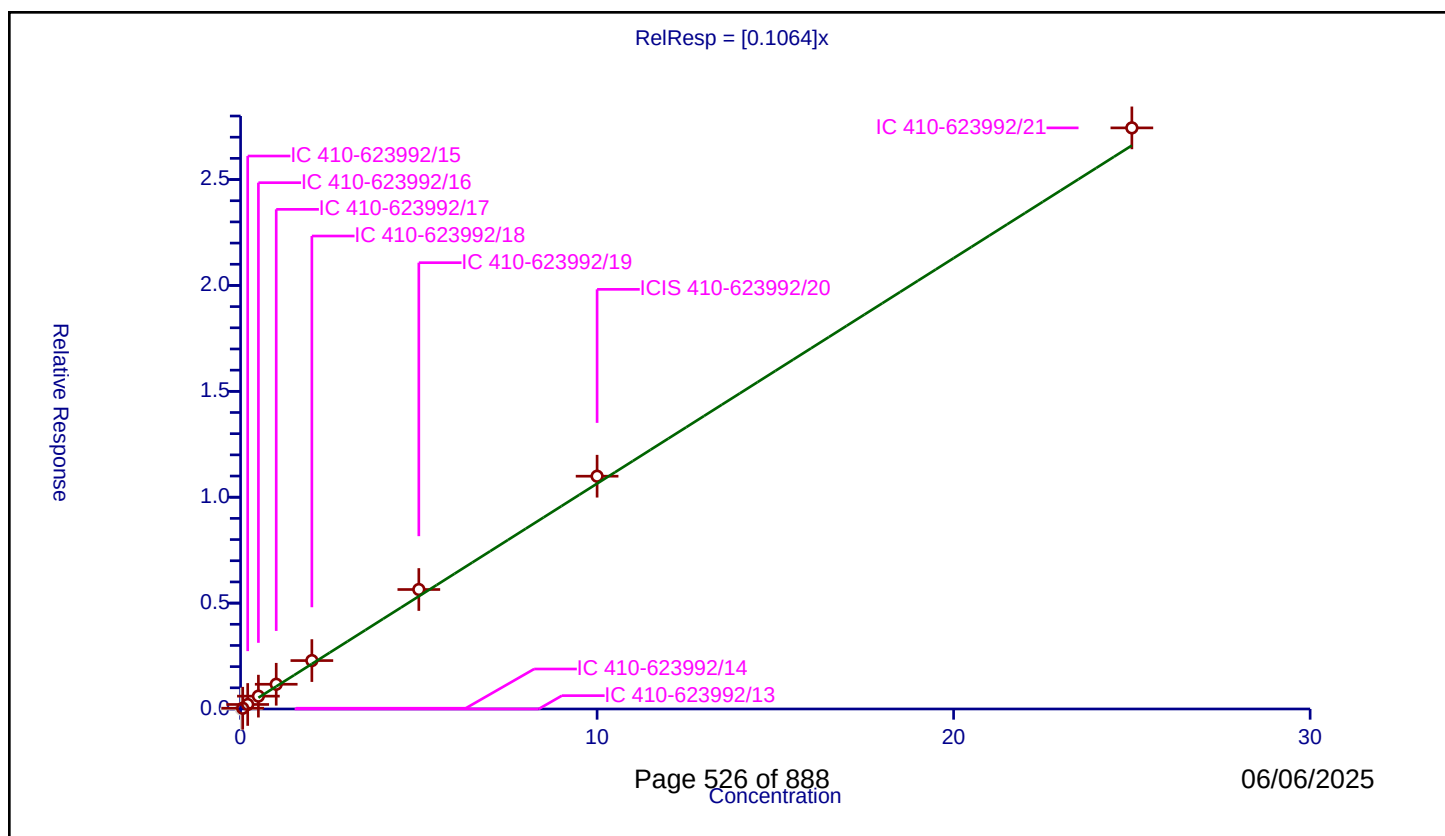
Curve Coefficients

Intercept: 0
Slope: 0.1064

Error Coefficients

Relative Standard Deviation: 18.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.0	10.0	1964341.0	0.0	N
2	IC 410-623992/14	0.06	0.003611	10.0	1965958.0	0.060191	Y
3	IC 410-623992/15	0.2	0.021309	10.0	2020747.0	0.106545	Y
4	IC 410-623992/16	0.5	0.060597	10.0	2019903.0	0.121194	Y
5	IC 410-623992/17	1.0	0.116758	10.0	2009620.0	0.116758	Y
6	IC 410-623992/18	2.0	0.228566	10.0	2036656.0	0.114283	Y
7	IC 410-623992/19	5.0	0.564178	10.0	2063762.0	0.112836	Y
8	ICIS 410-623992/20	10.0	1.099189	10.0	2055680.0	0.109919	Y
9	IC 410-623992/21	25.0	2.743926	10.0	2125436.0	0.109757	Y



Calibration

/ Tetrahydrofuran

Curve Type: Linear
Weighting: Conc
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

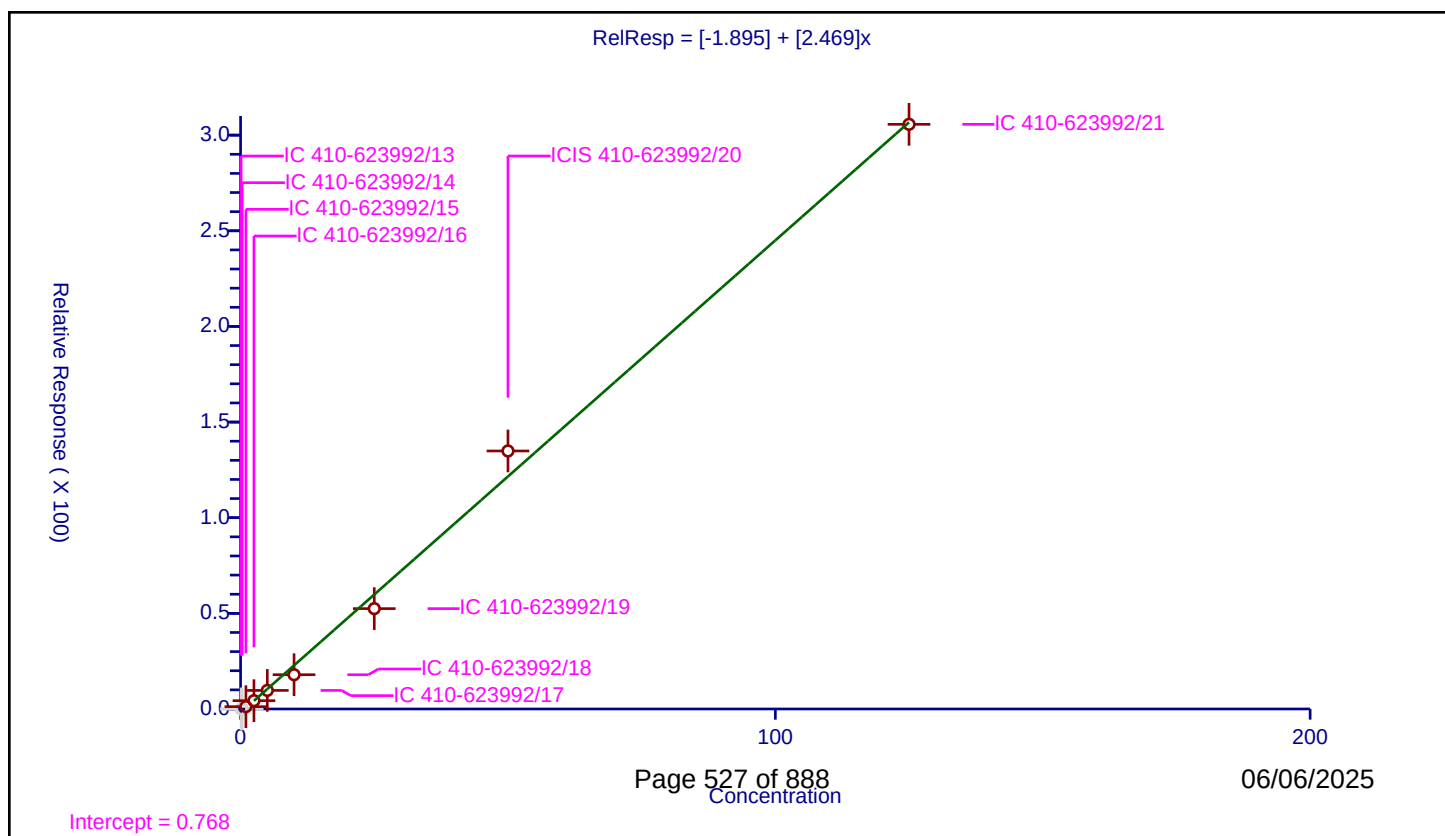
Curve Coefficients

Intercept: -1.895
Slope: 2.469

Error Coefficients

Relative Standard Deviation: 16.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.1	0.0	50.0	67983.0	0.0	N
2	IC 410-623992/14	0.3	0.0	50.0	69368.0	0.0	N
3	IC 410-623992/15	1.0	1.22159	50.0	55174.0	1.22159	Y
4	IC 410-623992/16	2.5	4.336194	50.0	62232.0	1.734477	Y
5	IC 410-623992/17	5.0	9.707266	50.0	62685.0	1.941453	Y
6	IC 410-623992/18	10.0	17.923242	50.0	66026.0	1.792324	Y
7	IC 410-623992/19	25.0	52.470388	50.0	62136.0	2.098816	Y
8	ICIS 410-623992/20	50.0	134.889391	50.0	42040.0	2.697788	Y
9	IC 410-623992/21	125.0	305.654127	50.0	53430.0	2.445233	Y



Calibration

/ Chloroform

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

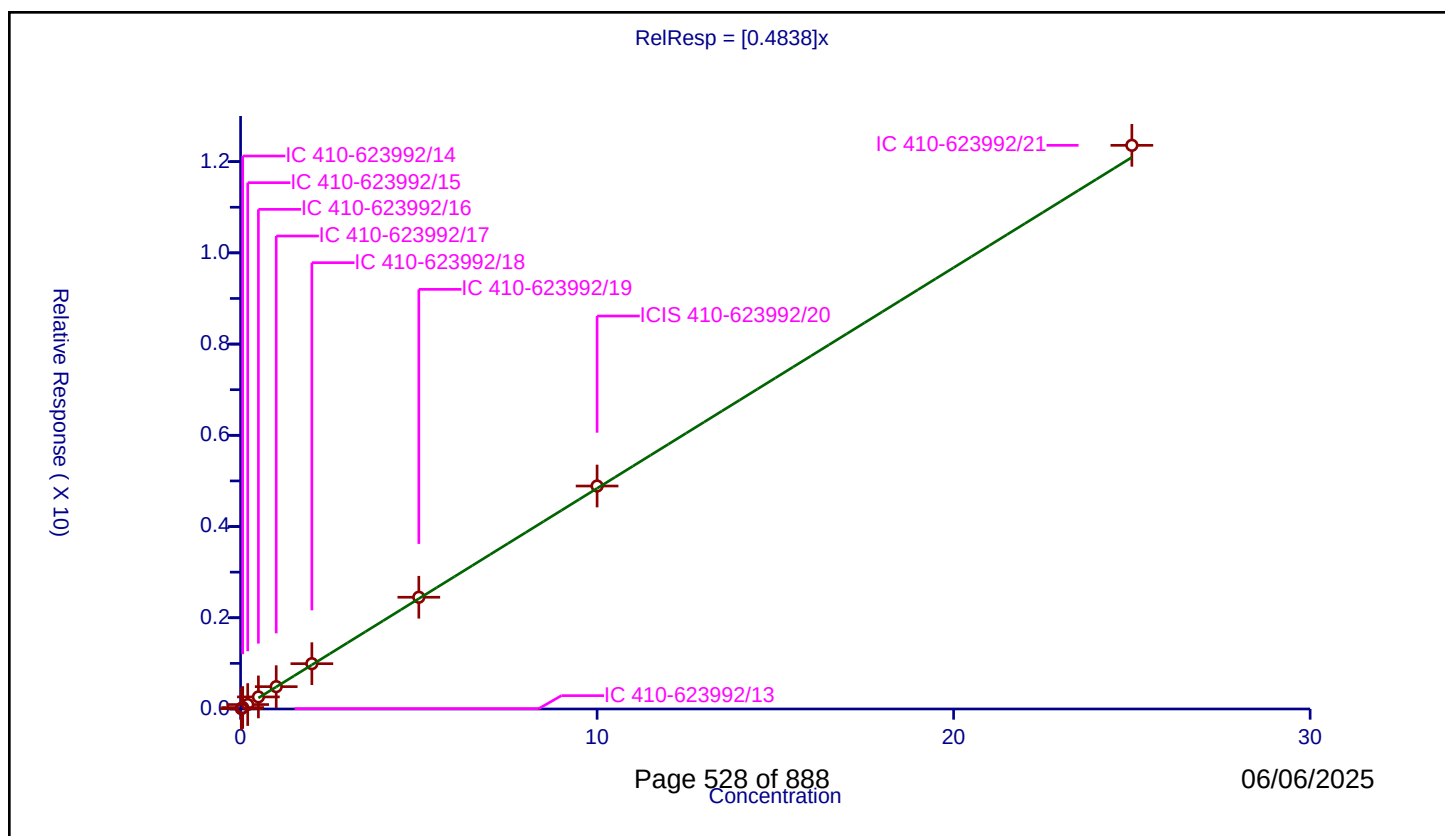
Curve Coefficients

Intercept: 0
Slope: 0.4838

Error Coefficients

Relative Standard Deviation: 11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.006929	10.0	1964341.0	0.346427	Y
2	IC 410-623992/14	0.06	0.031923	10.0	1965958.0	0.532056	Y
3	IC 410-623992/15	0.2	0.097474	10.0	2020747.0	0.487369	Y
4	IC 410-623992/16	0.5	0.26428	10.0	2019903.0	0.52856	Y
5	IC 410-623992/17	1.0	0.489635	10.0	2009620.0	0.489635	Y
6	IC 410-623992/18	2.0	0.993594	10.0	2036656.0	0.496797	Y
7	IC 410-623992/19	5.0	2.449953	10.0	2063762.0	0.489991	Y
8	ICIS 410-623992/20	10.0	4.888217	10.0	2055680.0	0.488822	Y
9	IC 410-623992/21	25.0	12.357479	10.0	2125436.0	0.494299	Y



Calibration

/ Dibromofluoromethane (Surr)

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

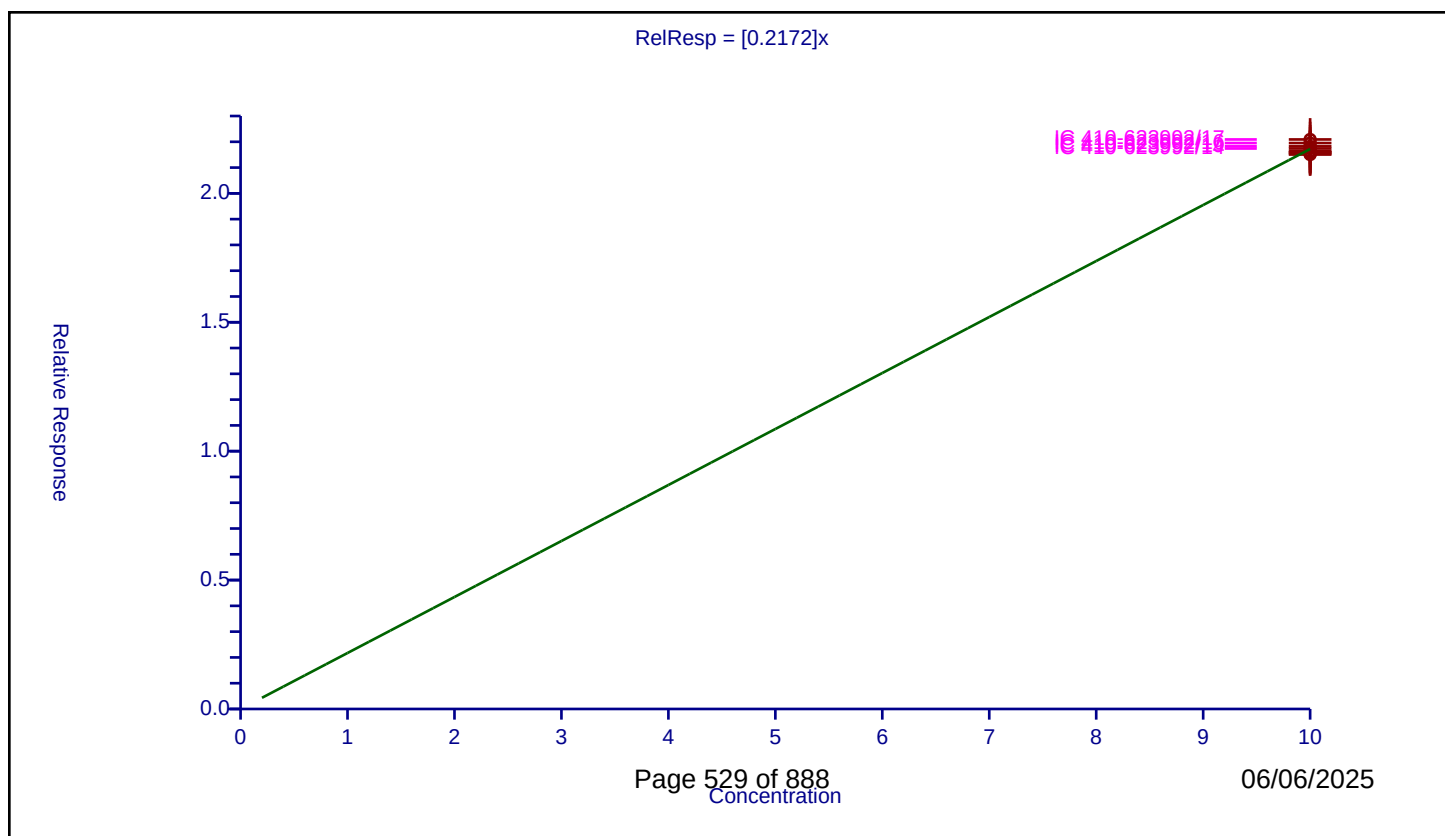
Curve Coefficients

Intercept: 0
 Slope: 0.2172

Error Coefficients

Relative Standard Deviation: 0.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	10.0	2.159019	10.0	1964341.0	0.215902	Y
2	IC 410-623992/14	10.0	2.173897	10.0	1965958.0	0.21739	Y
3	IC 410-623992/15	10.0	2.15308	10.0	2020747.0	0.215308	Y
4	IC 410-623992/16	10.0	2.19512	10.0	2019903.0	0.219512	Y
5	IC 410-623992/17	10.0	2.209079	10.0	2009620.0	0.220908	Y
6	IC 410-623992/18	10.0	2.163841	10.0	2036656.0	0.216384	Y
7	IC 410-623992/19	10.0	2.182253	10.0	2063762.0	0.218225	Y
8	ICIS 410-623992/20	10.0	2.150597	10.0	2055680.0	0.21506	Y
9	IC 410-623992/21	10.0	2.160192	10.0	2125436.0	0.216019	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

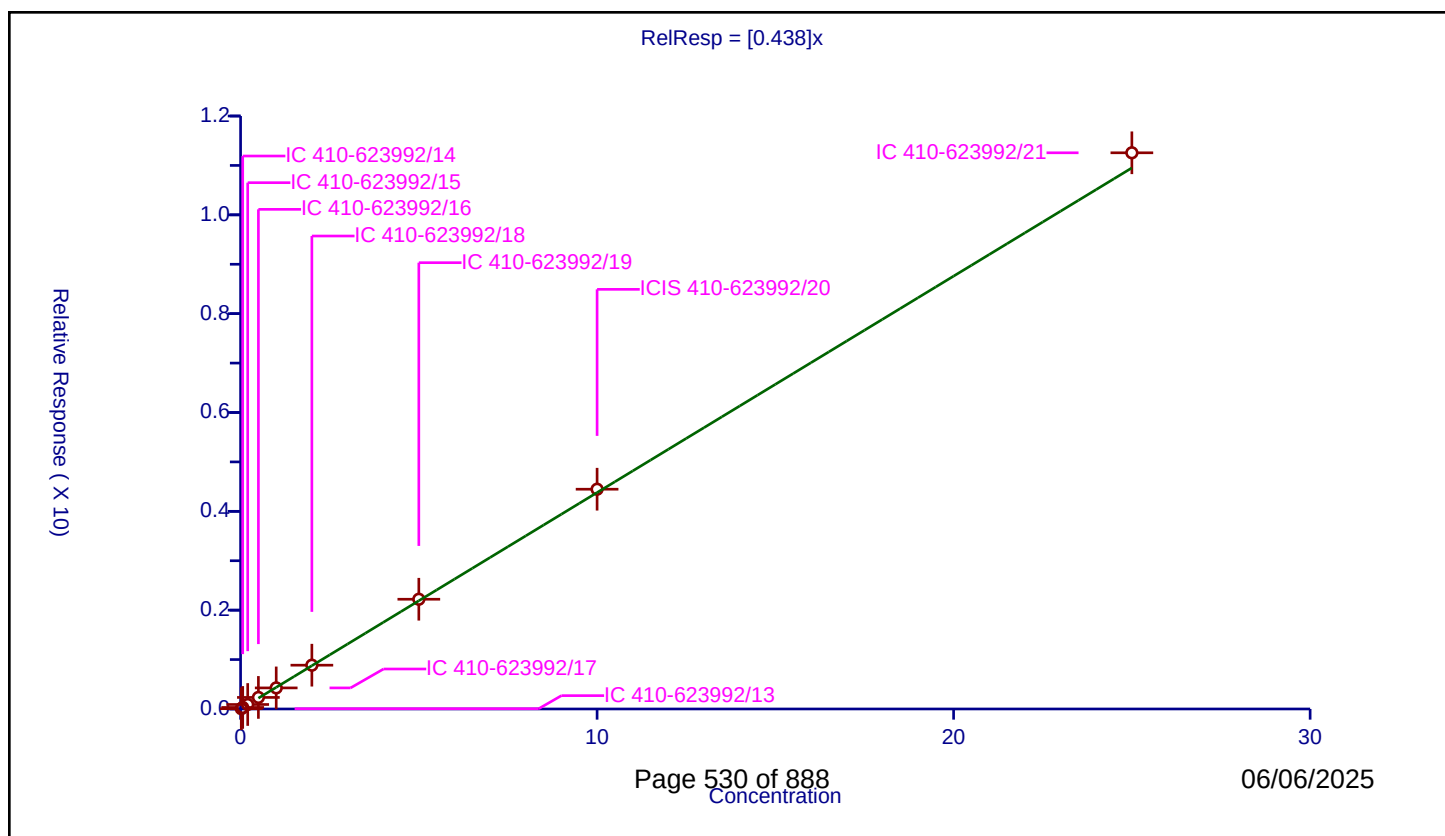
Curve Coefficients

Intercept: 0
Slope: 0.438

Error Coefficients

Relative Standard Deviation: 13.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.005865	10.0	1964341.0	0.293228	Y
2	IC 410-623992/14	0.06	0.031079	10.0	1965958.0	0.517983	Y
3	IC 410-623992/15	0.2	0.090828	10.0	2020747.0	0.454139	Y
4	IC 410-623992/16	0.5	0.233719	10.0	2019903.0	0.467438	Y
5	IC 410-623992/17	1.0	0.426817	10.0	2009620.0	0.426817	Y
6	IC 410-623992/18	2.0	0.886257	10.0	2036656.0	0.443128	Y
7	IC 410-623992/19	5.0	2.220833	10.0	2063762.0	0.444167	Y
8	ICIS 410-623992/20	10.0	4.44755	10.0	2055680.0	0.444755	Y
9	IC 410-623992/21	25.0	11.255738	10.0	2125436.0	0.45023	Y



Calibration

/ Cyclohexane

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

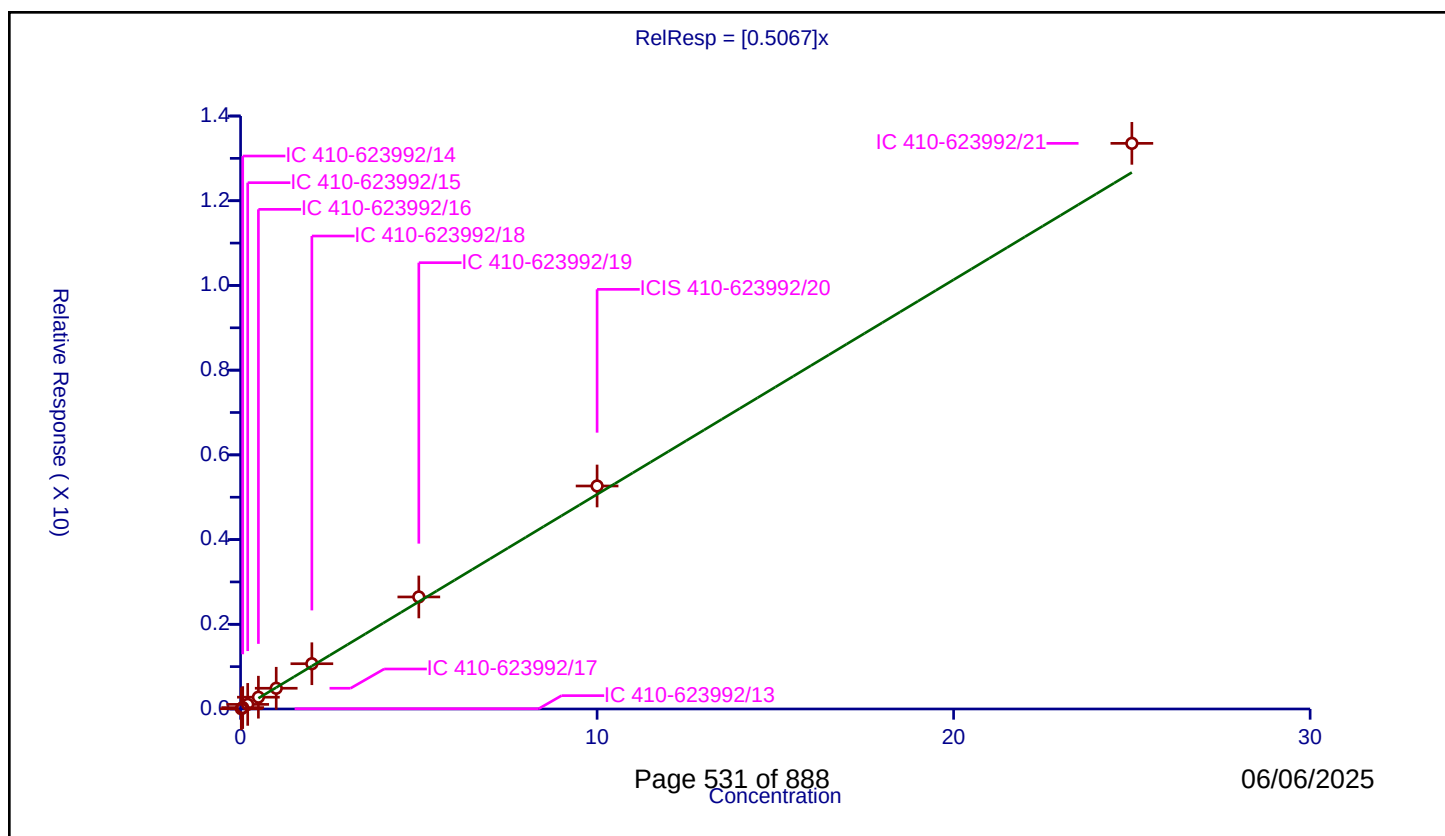
Curve Coefficients

Intercept: 0
Slope: 0.5067

Error Coefficients

Relative Standard Deviation: 16.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.005941	10.0	1964341.0	0.297046	Y
2	IC 410-623992/14	0.06	0.032951	10.0	1965958.0	0.549181	Y
3	IC 410-623992/15	0.2	0.108772	10.0	2020747.0	0.543858	Y
4	IC 410-623992/16	0.5	0.27834	10.0	2019903.0	0.55668	Y
5	IC 410-623992/17	1.0	0.489665	10.0	2009620.0	0.489665	Y
6	IC 410-623992/18	2.0	1.068511	10.0	2036656.0	0.534256	Y
7	IC 410-623992/19	5.0	2.645208	10.0	2063762.0	0.529042	Y
8	ICIS 410-623992/20	10.0	5.265182	10.0	2055680.0	0.526518	Y
9	IC 410-623992/21	25.0	13.354385	10.0	2125436.0	0.534175	Y



Calibration

/ 1,1-Dichloropropene

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

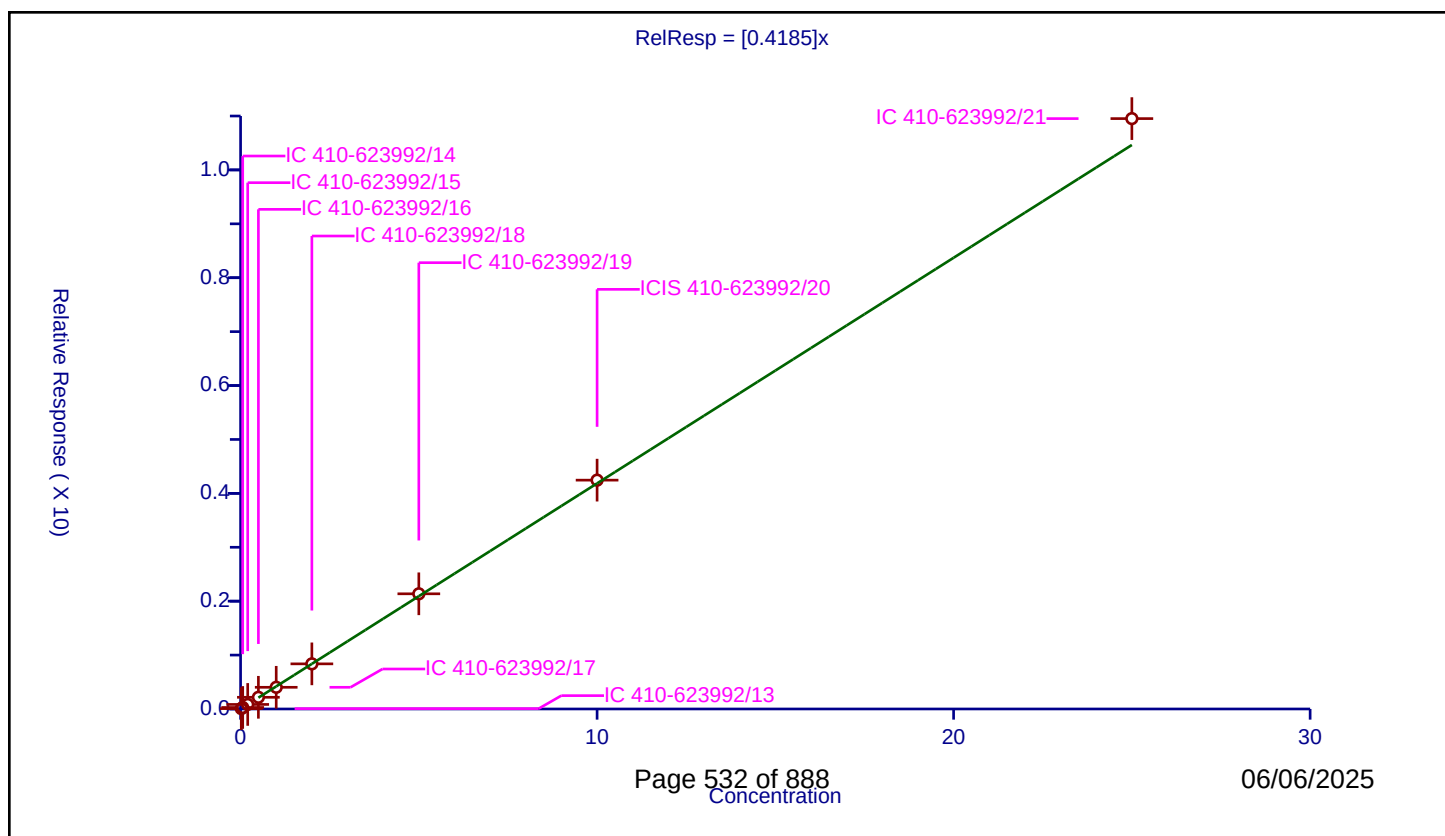
Curve Coefficients

Intercept: 0
Slope: 0.4185

Error Coefficients

Relative Standard Deviation: 8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.006745	10.0	1964341.0	0.337263	Y
2	IC 410-623992/14	0.06	0.027818	10.0	1965958.0	0.463642	Y
3	IC 410-623992/15	0.2	0.084335	10.0	2020747.0	0.421676	Y
4	IC 410-623992/16	0.5	0.216699	10.0	2019903.0	0.433397	Y
5	IC 410-623992/17	1.0	0.402181	10.0	2009620.0	0.402181	Y
6	IC 410-623992/18	2.0	0.837044	10.0	2036656.0	0.418522	Y
7	IC 410-623992/19	5.0	2.136894	10.0	2063762.0	0.427379	Y
8	ICIS 410-623992/20	10.0	4.245296	10.0	2055680.0	0.42453	Y
9	IC 410-623992/21	25.0	10.952087	10.0	2125436.0	0.438083	Y



Calibration

/ Carbon tetrachloride

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

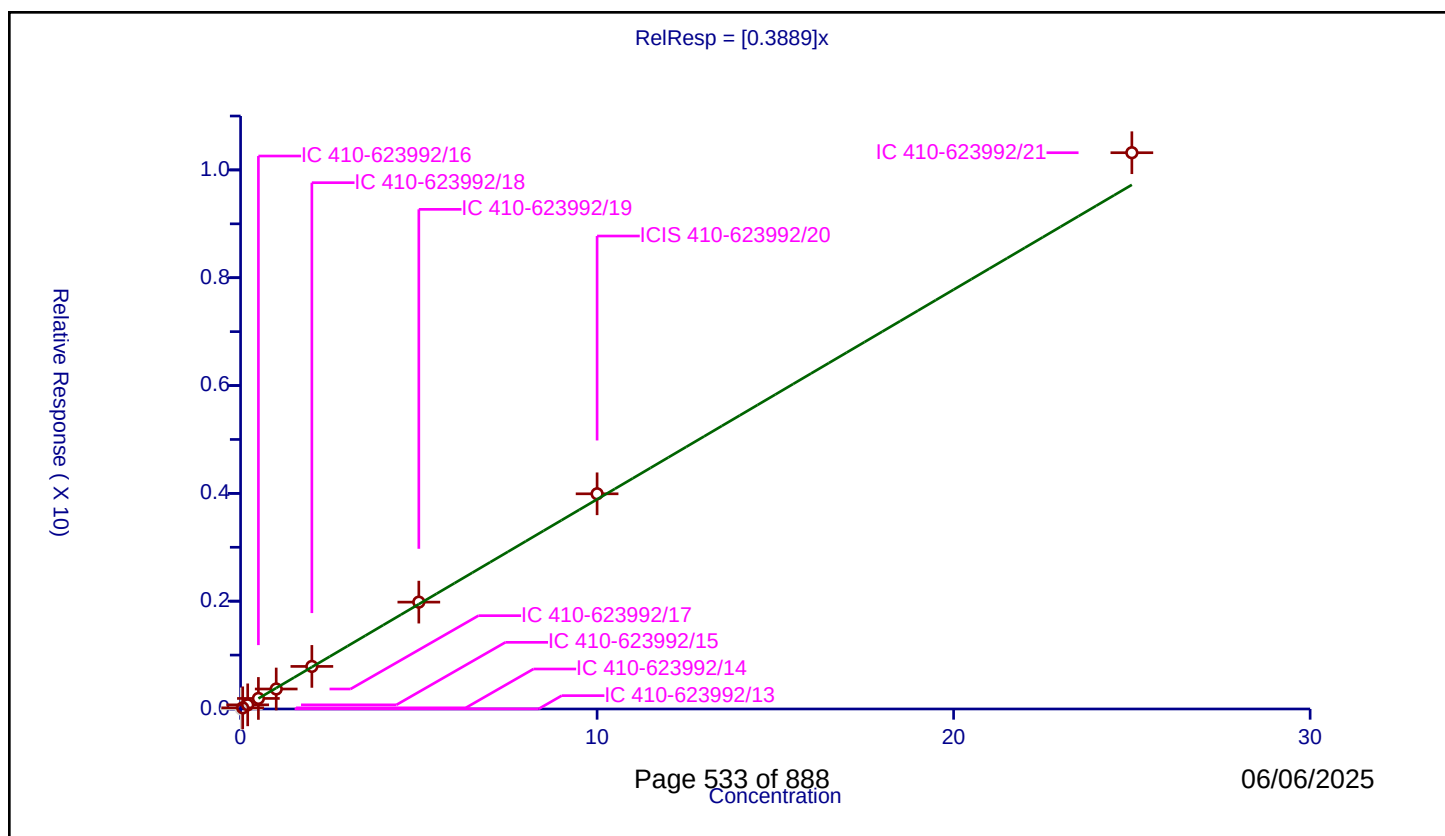
Curve Coefficients

Intercept: 0
Slope: 0.3889

Error Coefficients

Relative Standard Deviation: 4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.002388	10.0	1964341.0	0.119378	N
2	IC 410-623992/14	0.06	0.021725	10.0	1965958.0	0.36208	Y
3	IC 410-623992/15	0.2	0.076813	10.0	2020747.0	0.384066	Y
4	IC 410-623992/16	0.5	0.195678	10.0	2019903.0	0.391355	Y
5	IC 410-623992/17	1.0	0.370682	10.0	2009620.0	0.370682	Y
6	IC 410-623992/18	2.0	0.789804	10.0	2036656.0	0.394902	Y
7	IC 410-623992/19	5.0	1.982588	10.0	2063762.0	0.396518	Y
8	ICIS 410-623992/20	10.0	3.992076	10.0	2055680.0	0.399208	Y
9	IC 410-623992/21	25.0	10.31936	10.0	2125436.0	0.412774	Y



Calibration

/ Isobutyl alcohol

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

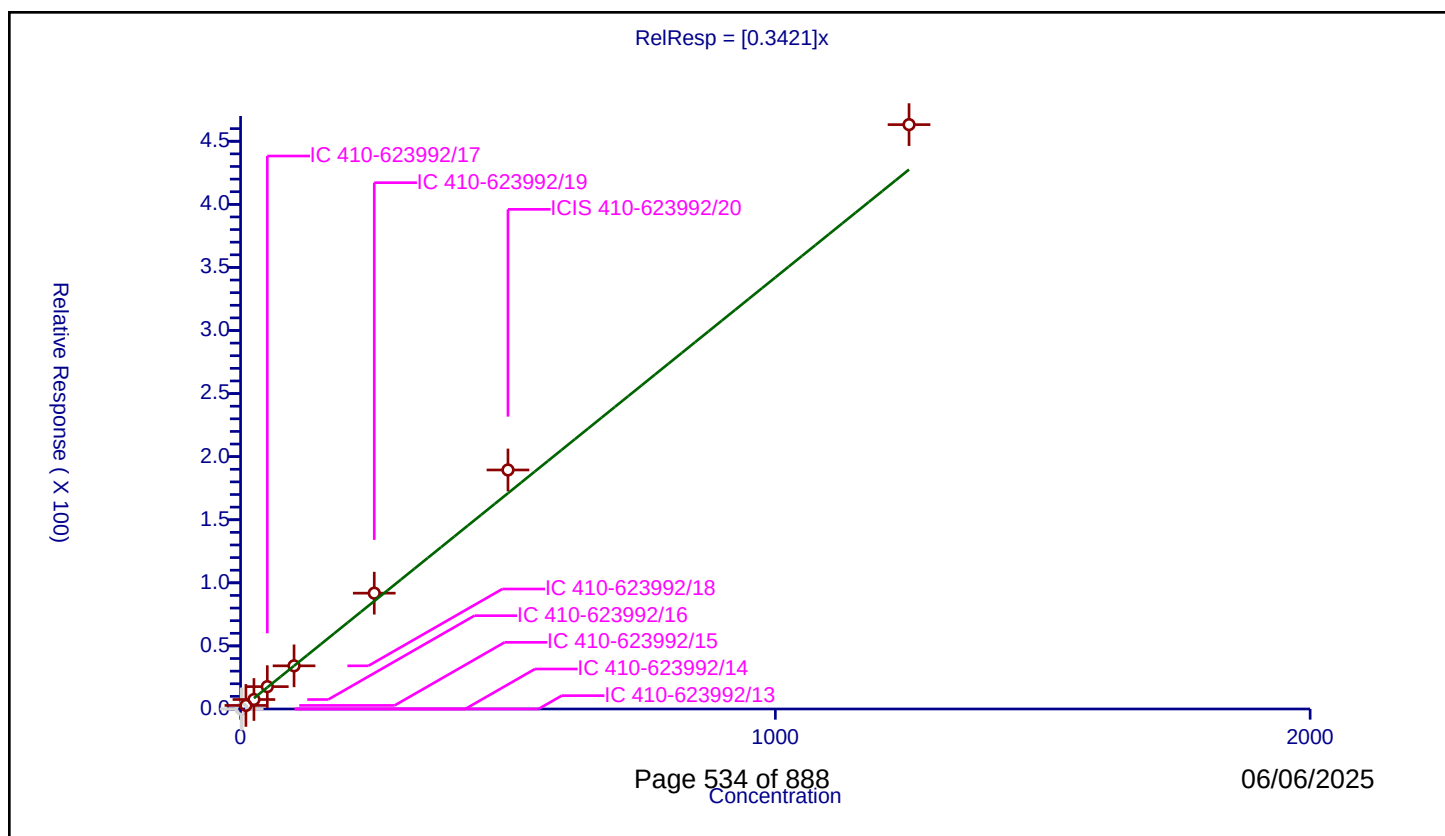
Curve Coefficients

Intercept: 0
 Slope: 0.3421

Error Coefficients

Relative Standard Deviation: 10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	1.0	0.0	50.0	67983.0	0.0	N
2	IC 410-623992/14	3.0	0.0	50.0	69368.0	0.0	N
3	IC 410-623992/15	10.0	2.812013	50.0	55174.0	0.281201	Y
4	IC 410-623992/16	25.0	7.503374	50.0	62232.0	0.300135	Y
5	IC 410-623992/17	50.0	17.720348	50.0	62685.0	0.354407	Y
6	IC 410-623992/18	100.0	34.202435	50.0	66026.0	0.342024	Y
7	IC 410-623992/19	250.0	91.808291	50.0	62136.0	0.367233	Y
8	ICIS 410-623992/20	500.0	189.460038	50.0	42040.0	0.37892	Y
9	IC 410-623992/21	1250.0	463.182669	50.0	53430.0	0.370546	Y



Calibration

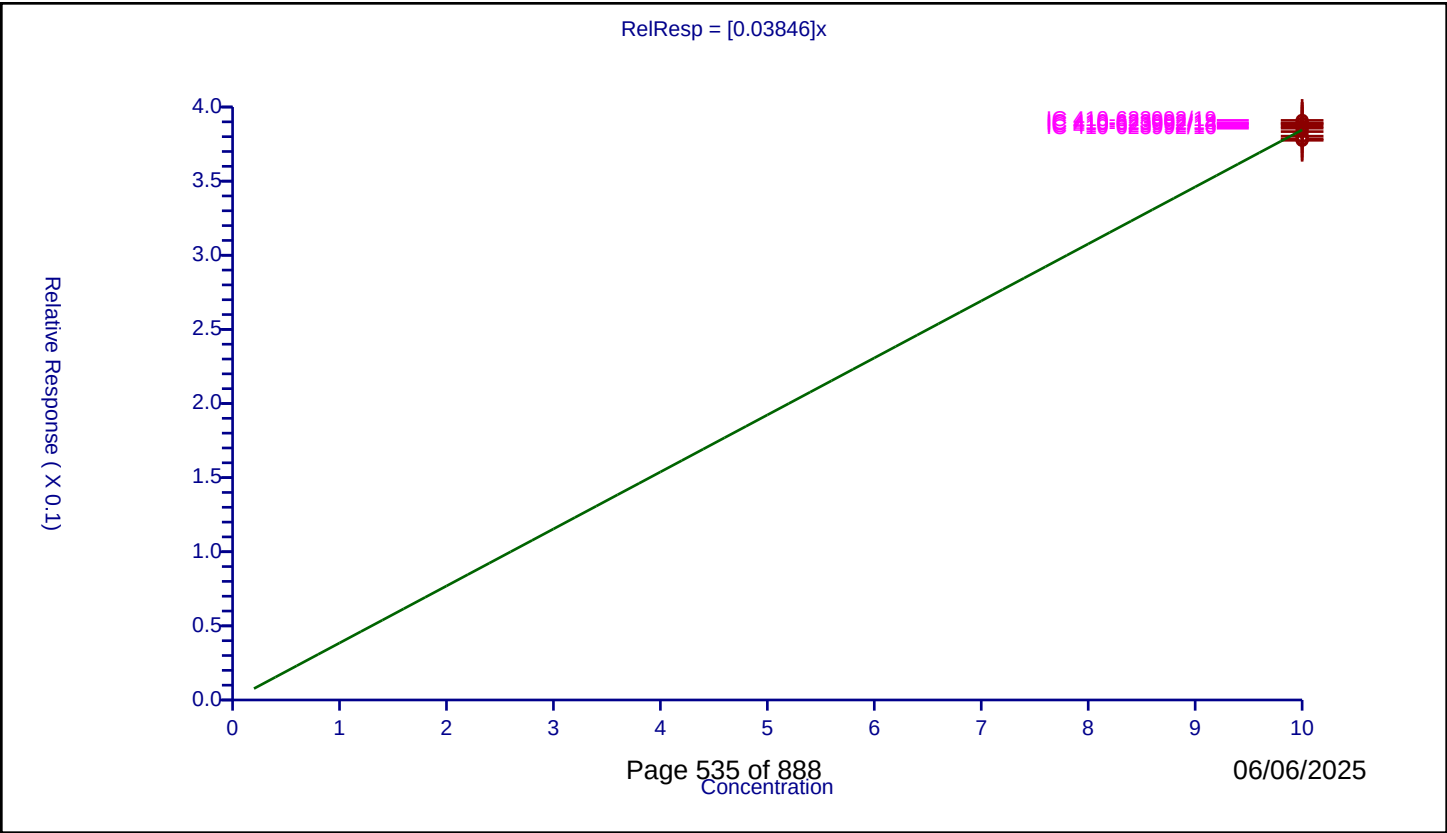
/ 1,2-Dichloroethane-d4 (Surr)

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

Curve Coefficients	
Intercept:	0
Slope:	0.03846

Error Coefficients	
Relative Standard Deviation:	1.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	10.0	0.386959	10.0	1964341.0	0.038696	Y
2	IC 410-623992/14	10.0	0.388681	10.0	1965958.0	0.038868	Y
3	IC 410-623992/15	10.0	0.377544	10.0	2020747.0	0.037754	Y
4	IC 410-623992/16	10.0	0.385692	10.0	2019903.0	0.038569	Y
5	IC 410-623992/17	10.0	0.383411	10.0	2009620.0	0.038341	Y
6	IC 410-623992/18	10.0	0.389015	10.0	2036656.0	0.038902	Y
7	IC 410-623992/19	10.0	0.39097	10.0	2063762.0	0.039097	Y
8	ICIS 410-623992/20	10.0	0.380346	10.0	2055680.0	0.038035	Y
9	IC 410-623992/21	10.0	0.378435	10.0	2125436.0	0.037844	Y



Calibration

/ Benzene

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

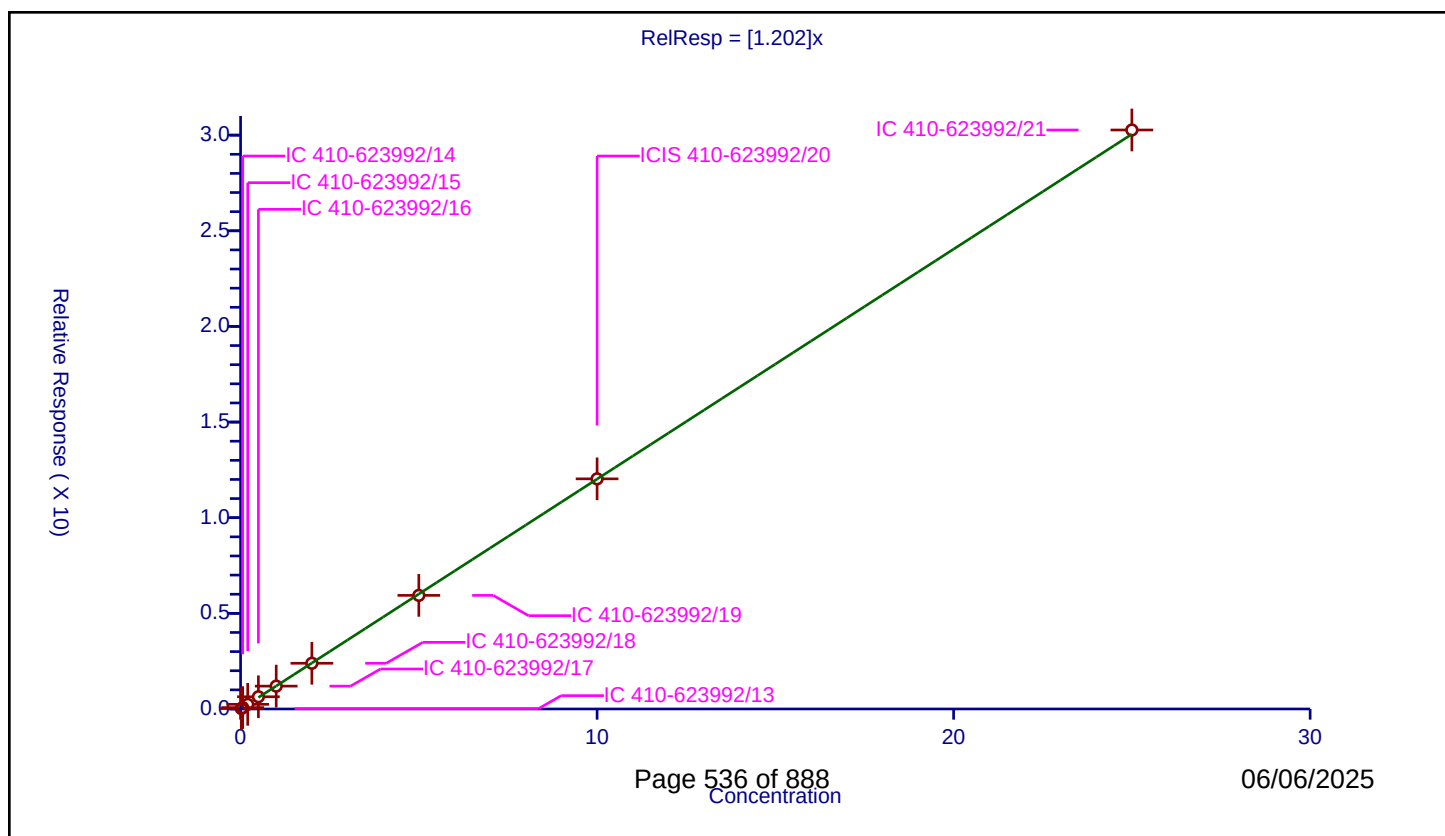
Curve Coefficients

Intercept: 0
Slope: 1.202

Error Coefficients

Relative Standard Deviation: 3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.022079	10.0	1964341.0	1.103933	Y
2	IC 410-623992/14	0.06	0.07371	10.0	1965958.0	1.228494	Y
3	IC 410-623992/15	0.2	0.24294	10.0	2020747.0	1.214699	Y
4	IC 410-623992/16	0.5	0.639749	10.0	2019903.0	1.279497	Y
5	IC 410-623992/17	1.0	1.195042	10.0	2009620.0	1.195042	Y
6	IC 410-623992/18	2.0	2.389947	10.0	2036656.0	1.194974	Y
7	IC 410-623992/19	5.0	5.93896	10.0	2063762.0	1.187792	Y
8	ICIS 410-623992/20	10.0	12.031318	10.0	2055680.0	1.203132	Y
9	IC 410-623992/21	25.0	30.269681	10.0	2125436.0	1.210787	Y



Calibration

/ 1,2-Dichloroethane

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

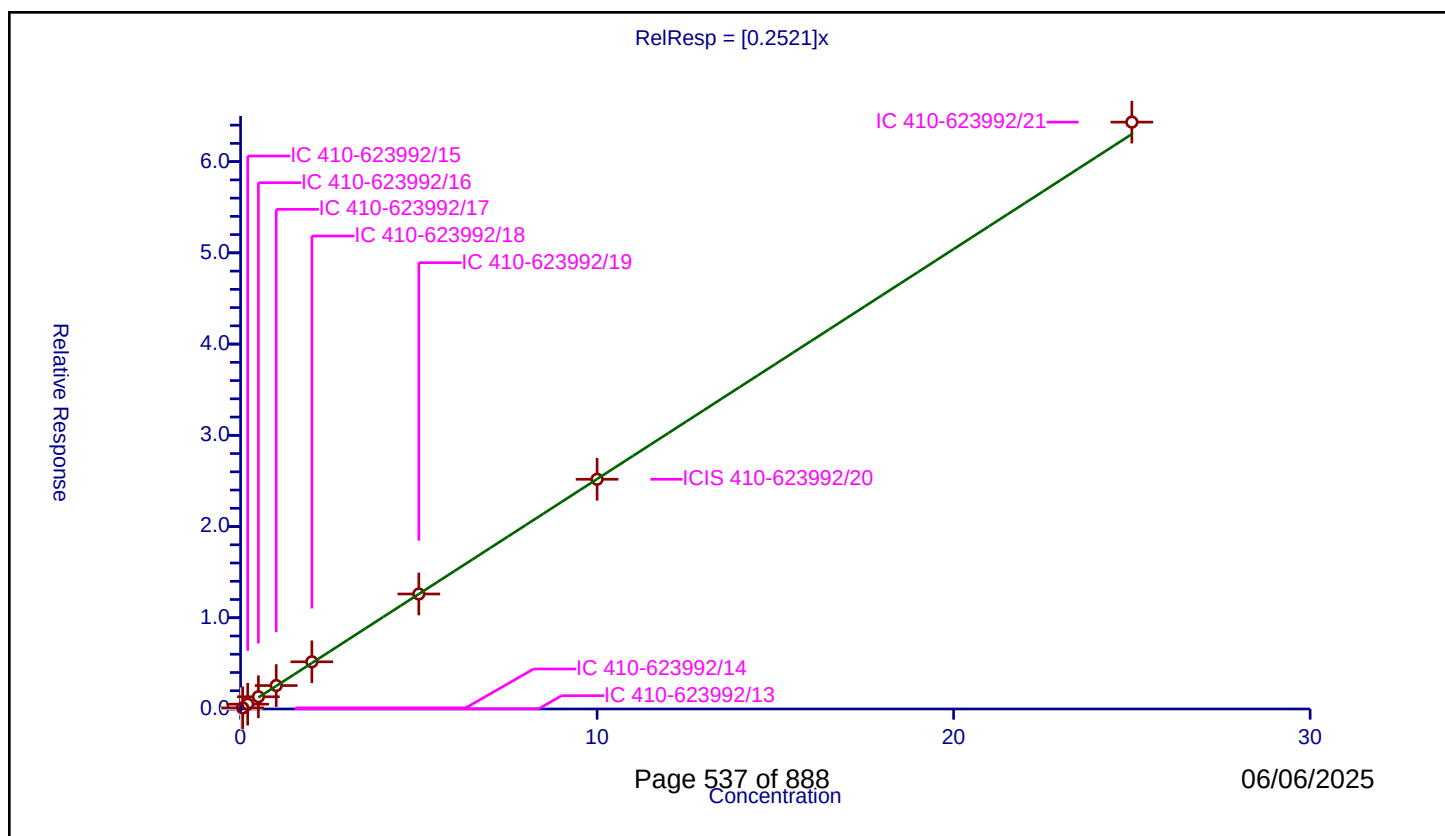
Curve Coefficients

Intercept: 0
Slope: 0.2521

Error Coefficients

Relative Standard Deviation: 7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.002301	10.0	1964341.0	0.115051	N
2	IC 410-623992/14	0.06	0.012427	10.0	1965958.0	0.207109	Y
3	IC 410-623992/15	0.2	0.052857	10.0	2020747.0	0.264283	Y
4	IC 410-623992/16	0.5	0.13413	10.0	2019903.0	0.26826	Y
5	IC 410-623992/17	1.0	0.256939	10.0	2009620.0	0.256939	Y
6	IC 410-623992/18	2.0	0.517245	10.0	2036656.0	0.258622	Y
7	IC 410-623992/19	5.0	1.260698	10.0	2063762.0	0.25214	Y
8	ICIS 410-623992/20	10.0	2.518169	10.0	2055680.0	0.251817	Y
9	IC 410-623992/21	25.0	6.432958	10.0	2125436.0	0.257318	Y



Calibration

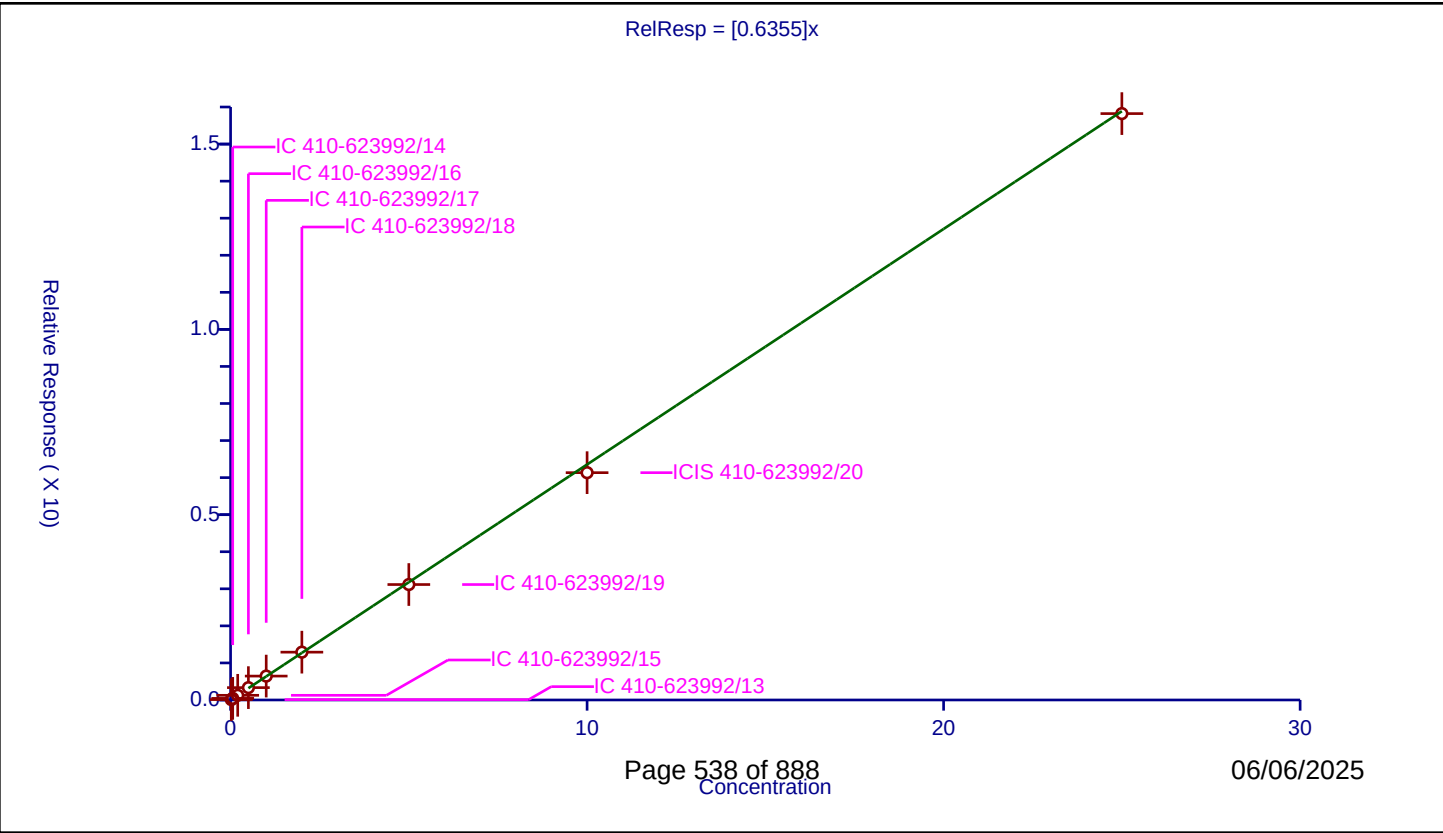
/ Tert-amyl methyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.6355
Error Coefficients	

Relative Standard Deviation: 7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.010711	10.0	1964341.0	0.535549	Y
2	IC 410-623992/14	0.06	0.043541	10.0	1965958.0	0.725685	Y
3	IC 410-623992/15	0.2	0.126428	10.0	2020747.0	0.632142	Y
4	IC 410-623992/16	0.5	0.333145	10.0	2019903.0	0.666289	Y
5	IC 410-623992/17	1.0	0.645117	10.0	2009620.0	0.645117	Y
6	IC 410-623992/18	2.0	1.290179	10.0	2036656.0	0.645089	Y
7	IC 410-623992/19	5.0	3.114996	10.0	2063762.0	0.622999	Y
8	ICIS 410-623992/20	10.0	6.133917	10.0	2055680.0	0.613392	Y
9	IC 410-623992/21	25.0	15.822598	10.0	2125436.0	0.632904	Y



Calibration

/ n-Heptane

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

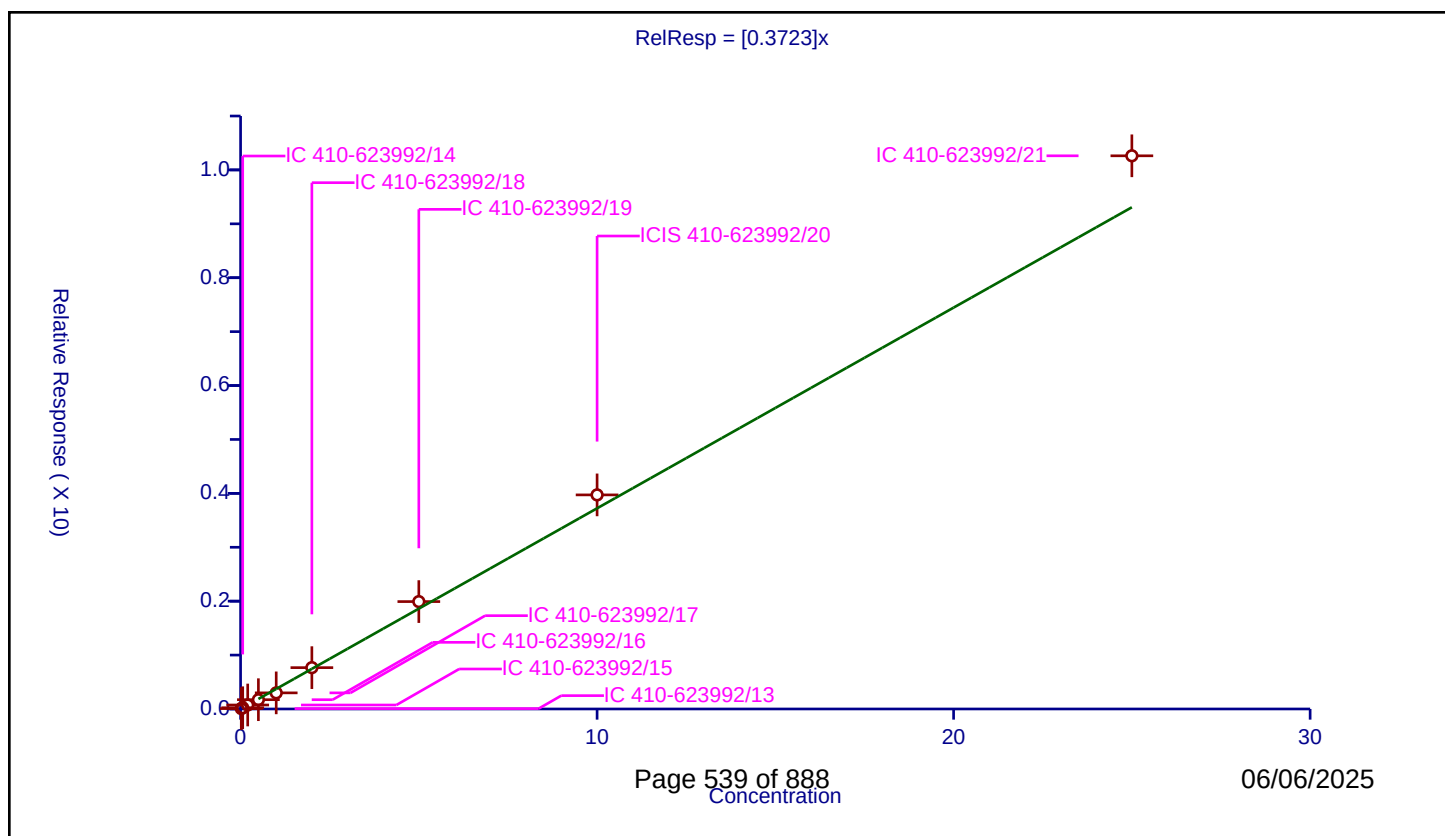
Curve Coefficients

Intercept: 0
Slope: 0.3723

Error Coefficients

Relative Standard Deviation: 9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.007244	10.0	1964341.0	0.362208	Y
2	IC 410-623992/14	0.06	0.023037	10.0	1965958.0	0.383952	Y
3	IC 410-623992/15	0.2	0.074111	10.0	2020747.0	0.370556	Y
4	IC 410-623992/16	0.5	0.172578	10.0	2019903.0	0.345155	Y
5	IC 410-623992/17	1.0	0.298912	10.0	2009620.0	0.298912	Y
6	IC 410-623992/18	2.0	0.767189	10.0	2036656.0	0.383594	Y
7	IC 410-623992/19	5.0	1.992289	10.0	2063762.0	0.398458	Y
8	ICIS 410-623992/20	10.0	3.971518	10.0	2055680.0	0.397152	Y
9	IC 410-623992/21	25.0	10.261782	10.0	2125436.0	0.410471	Y



Calibration

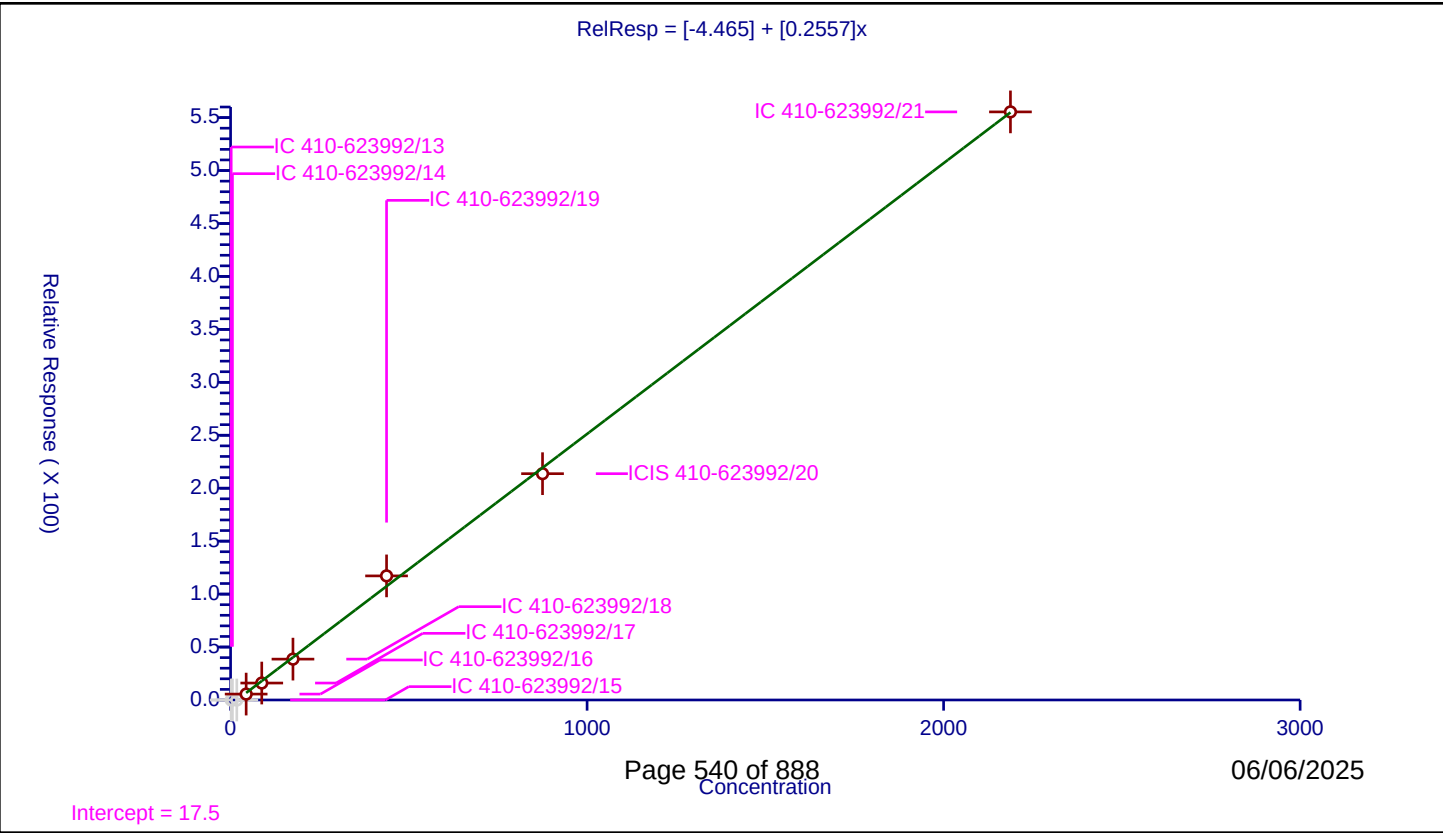
/ n-Butanol

Curve Type: Linear
Weighting: None
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	-4.465
Slope:	0.2557
Error Coefficients	

Relative Standard Deviation: 8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	1.75	0.0	50.0	67983.0	0.0	N
2	IC 410-623992/14	5.25	0.0	50.0	69368.0	0.0	N
3	IC 410-623992/15	17.5	0.0	50.0	55174.0	0.0	N
4	IC 410-623992/16	43.75	5.567875	50.0	62232.0	0.127266	Y
5	IC 410-623992/17	87.5	16.015793	50.0	62685.0	0.183038	Y
6	IC 410-623992/18	175.0	38.597674	50.0	66026.0	0.220558	Y
7	IC 410-623992/19	437.5	117.198564	50.0	62136.0	0.267882	Y
8	ICIS 410-623992/20	875.0	213.725024	50.0	42040.0	0.244257	Y
9	IC 410-623992/21	2187.5	555.392102	50.0	53430.0	0.253894	Y



Calibration

/ Trichloroethene

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

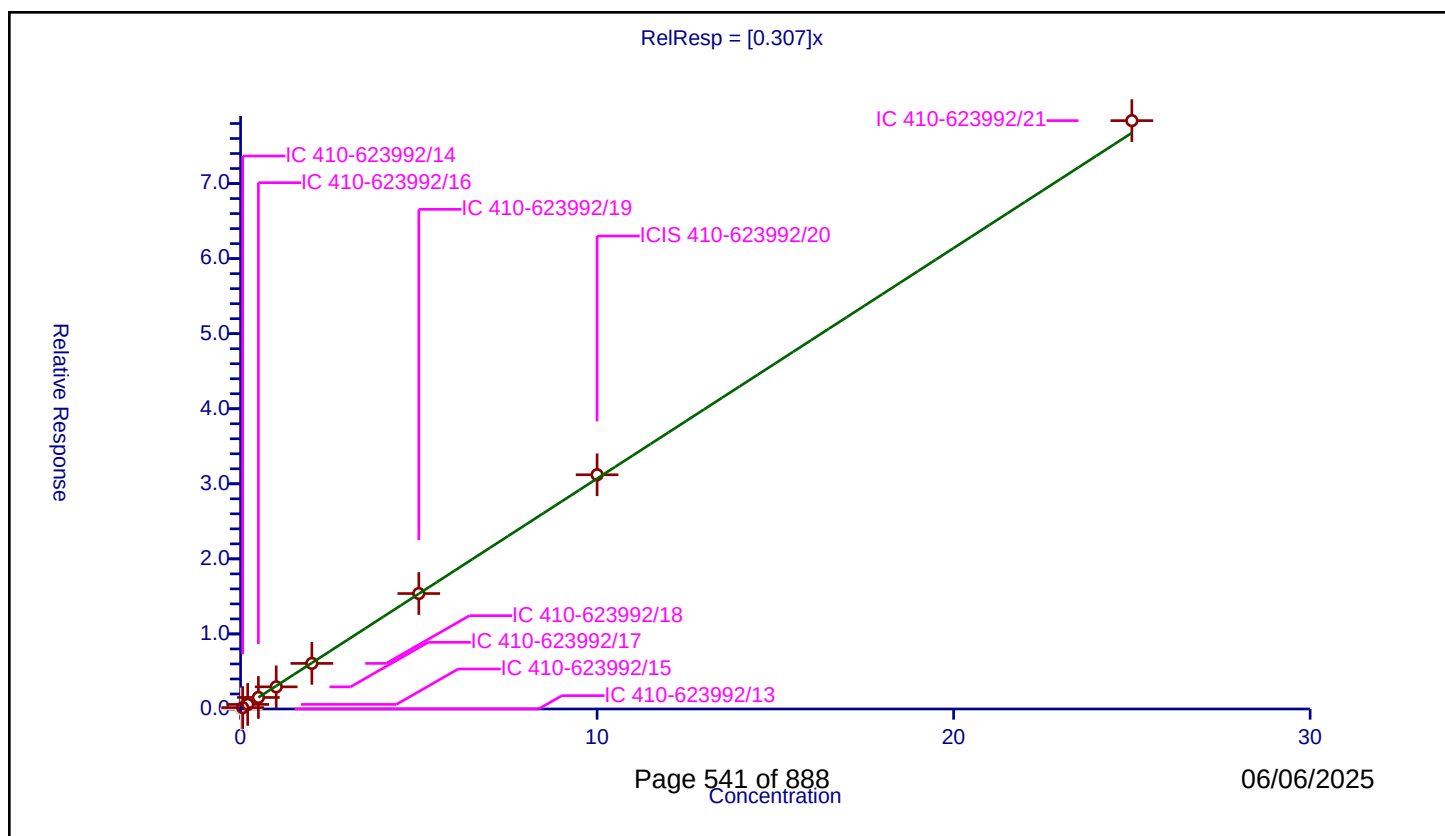
Curve Coefficients

Intercept: 0
Slope: 0.307

Error Coefficients

Relative Standard Deviation: 2.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.000708	10.0	1964341.0	0.035381	N
2	IC 410-623992/14	0.06	0.018769	10.0	1965958.0	0.312825	Y
3	IC 410-623992/15	0.2	0.060834	10.0	2020747.0	0.30417	Y
4	IC 410-623992/16	0.5	0.153666	10.0	2019903.0	0.307332	Y
5	IC 410-623992/17	1.0	0.294882	10.0	2009620.0	0.294882	Y
6	IC 410-623992/18	2.0	0.607329	10.0	2036656.0	0.303664	Y
7	IC 410-623992/19	5.0	1.538123	10.0	2063762.0	0.307625	Y
8	ICIS 410-623992/20	10.0	3.12052	10.0	2055680.0	0.312052	Y
9	IC 410-623992/21	25.0	7.838373	10.0	2125436.0	0.313535	Y



Calibration

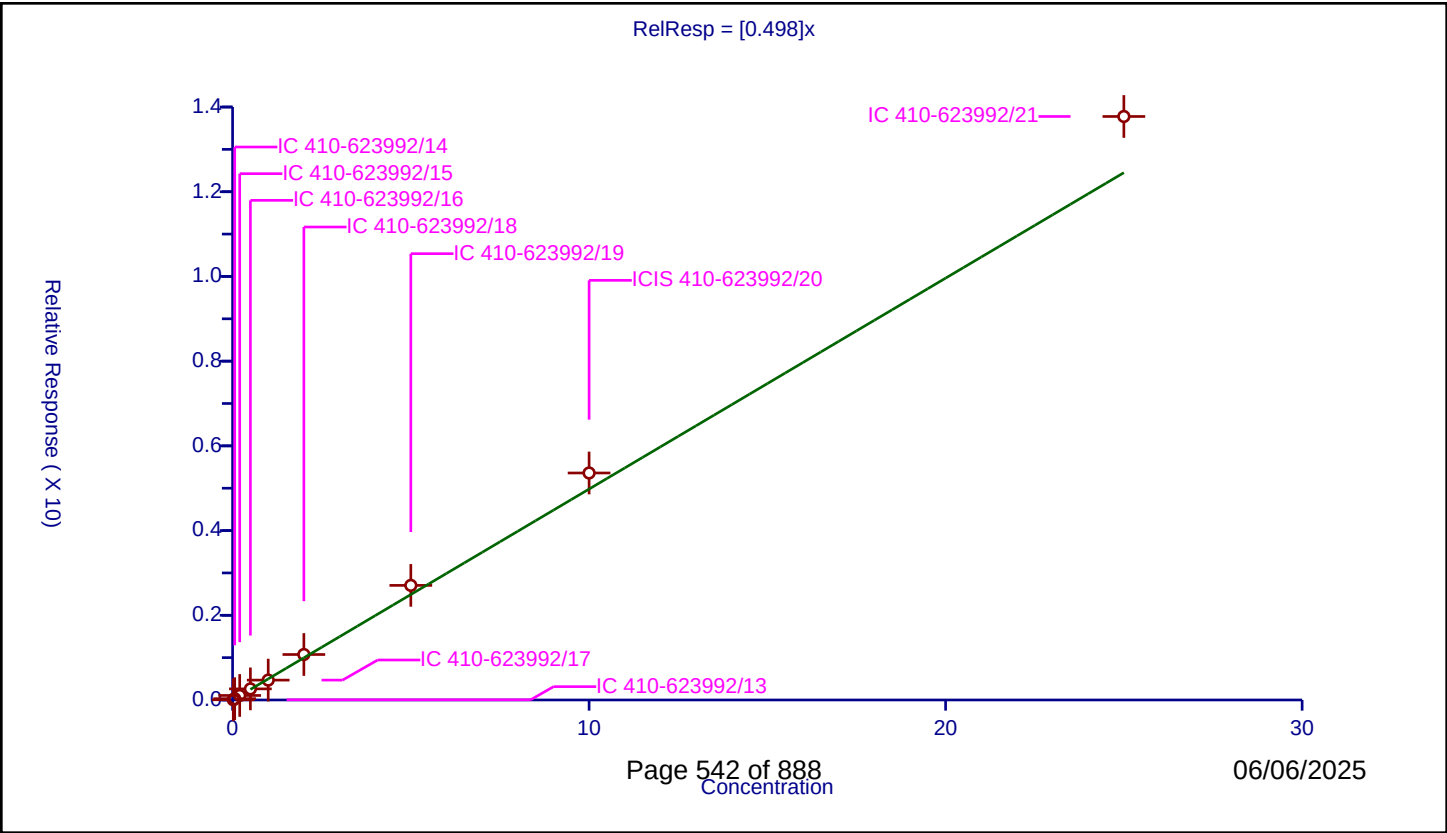
/ Methylcyclohexane

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

Curve Coefficients	
Intercept:	0
Slope:	0.498
Error Coefficients	

Relative Standard Deviation: 17.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.005391	10.0	1964341.0	0.269556	Y
2	IC 410-623992/14	0.06	0.031323	10.0	1965958.0	0.522053	Y
3	IC 410-623992/15	0.2	0.106401	10.0	2020747.0	0.532006	Y
4	IC 410-623992/16	0.5	0.261948	10.0	2019903.0	0.523896	Y
5	IC 410-623992/17	1.0	0.469278	10.0	2009620.0	0.469278	Y
6	IC 410-623992/18	2.0	1.073981	10.0	2036656.0	0.536991	Y
7	IC 410-623992/19	5.0	2.705583	10.0	2063762.0	0.541117	Y
8	ICIS 410-623992/20	10.0	5.359691	10.0	2055680.0	0.535969	Y
9	IC 410-623992/21	25.0	13.77667	10.0	2125436.0	0.551067	Y



Calibration

/ 1,2-Dichloropropane

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

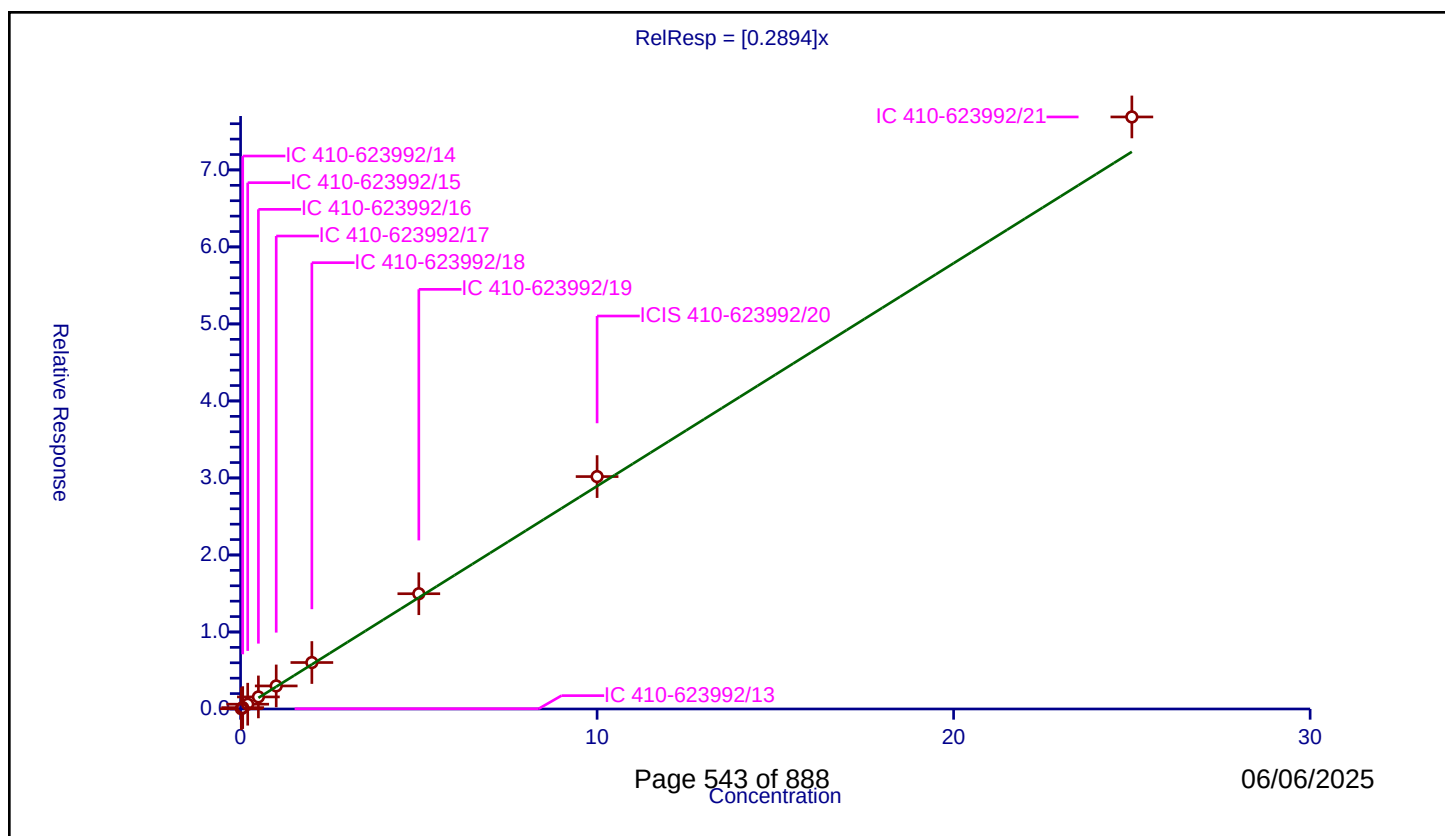
Curve Coefficients

Intercept: 0
Slope: 0.2894

Error Coefficients

Relative Standard Deviation: 15.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.003457	10.0	1964341.0	0.172831	Y
2	IC 410-623992/14	0.06	0.017935	10.0	1965958.0	0.298921	Y
3	IC 410-623992/15	0.2	0.062051	10.0	2020747.0	0.310257	Y
4	IC 410-623992/16	0.5	0.156542	10.0	2019903.0	0.313084	Y
5	IC 410-623992/17	1.0	0.299295	10.0	2009620.0	0.299295	Y
6	IC 410-623992/18	2.0	0.603263	10.0	2036656.0	0.301632	Y
7	IC 410-623992/19	5.0	1.496897	10.0	2063762.0	0.299379	Y
8	ICIS 410-623992/20	10.0	3.017834	10.0	2055680.0	0.301783	Y
9	IC 410-623992/21	25.0	7.68774	10.0	2125436.0	0.30751	Y



Calibration

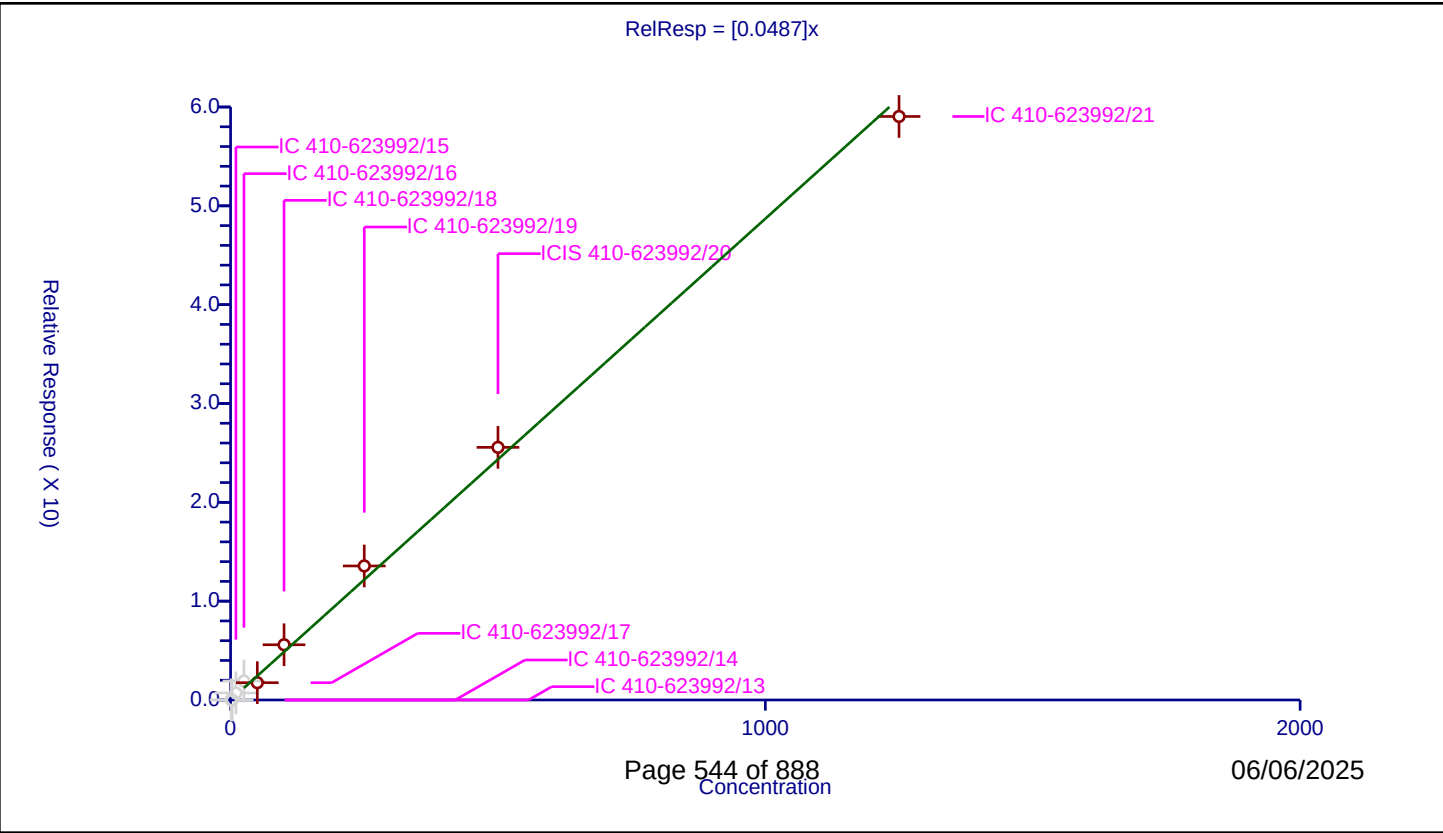
/ 1,4-Dioxane

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

Curve Coefficients	
Intercept:	0
Slope:	0.0487
Error Coefficients	

Relative Standard Deviation: 17.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	1.0	0.0	50.0	67983.0	0.0	N
2	IC 410-623992/14	3.0	0.0	50.0	69368.0	0.0	N
3	IC 410-623992/15	10.0	0.707761	50.0	55174.0	0.070776	N
4	IC 410-623992/16	25.0	1.917824	50.0	62232.0	0.076713	N
5	IC 410-623992/17	50.0	1.75002	50.0	62685.0	0.035	Y
6	IC 410-623992/18	100.0	5.589465	50.0	66026.0	0.055895	Y
7	IC 410-623992/19	250.0	13.562991	50.0	62136.0	0.054252	Y
8	ICIS 410-623992/20	500.0	25.56137	50.0	42040.0	0.051123	Y
9	IC 410-623992/21	1250.0	59.041737	50.0	53430.0	0.047233	Y



Calibration

/ Methyl methacrylate

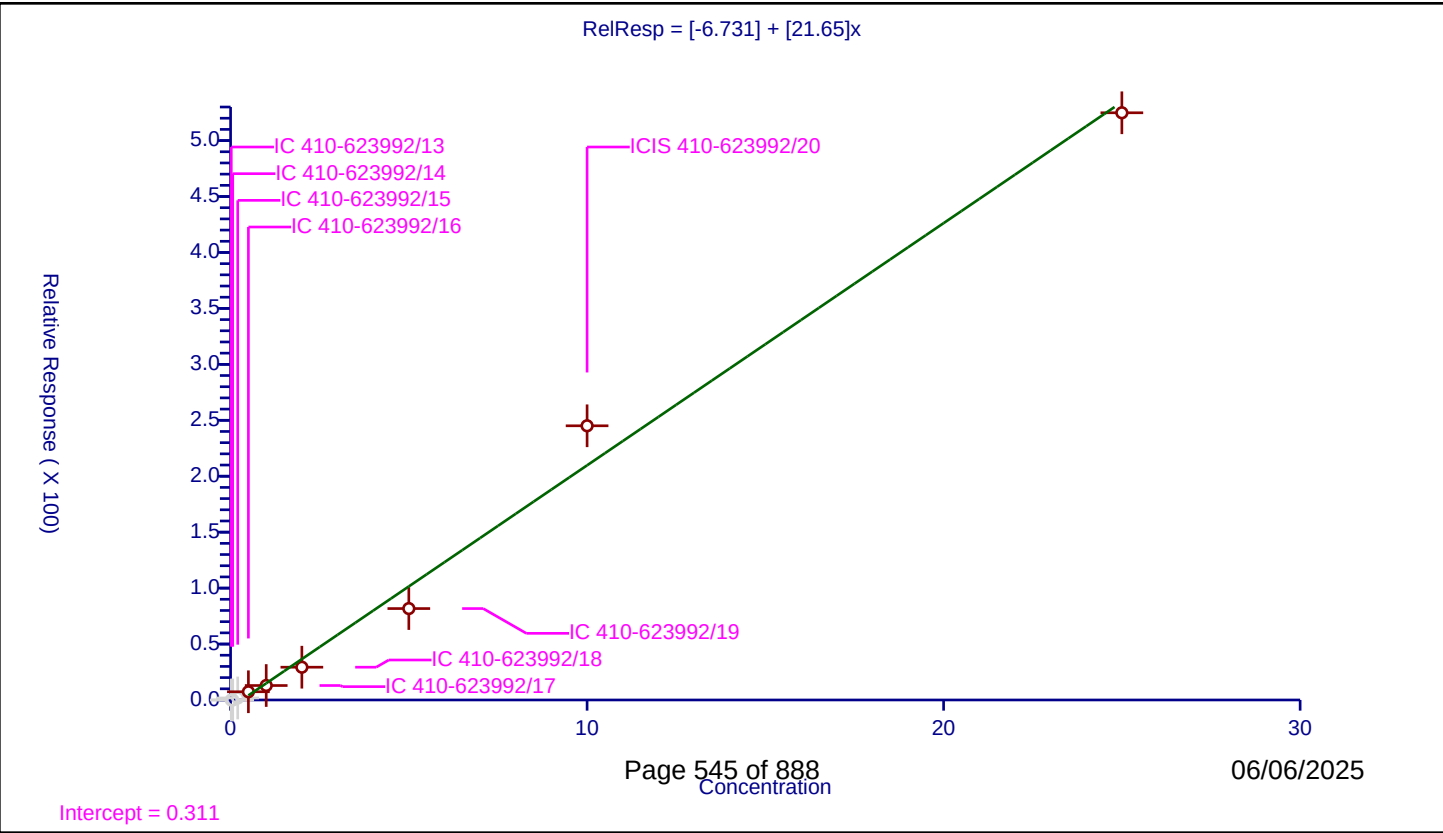
Curve Type: Linear
Weighting: None
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	-6.731
Slope:	21.65

Error Coefficients	
--------------------	--

Relative Standard Deviation: 21.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.0	50.0	67983.0	0.0	N
2	IC 410-623992/14	0.06	0.0	50.0	69368.0	0.0	N
3	IC 410-623992/15	0.2	1.804292	50.0	55174.0	9.021459	N
4	IC 410-623992/16	0.5	7.358754	50.0	62232.0	14.717509	Y
5	IC 410-623992/17	1.0	12.935311	50.0	62685.0	12.935311	Y
6	IC 410-623992/18	2.0	29.301336	50.0	66026.0	14.650668	Y
7	IC 410-623992/19	5.0	81.721546	50.0	62136.0	16.344309	Y
8	ICIS 410-623992/20	10.0	245.077307	50.0	42040.0	24.507731	Y
9	IC 410-623992/21	25.0	524.846528	50.0	53430.0	20.993861	Y



Calibration

/ Dibromomethane

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

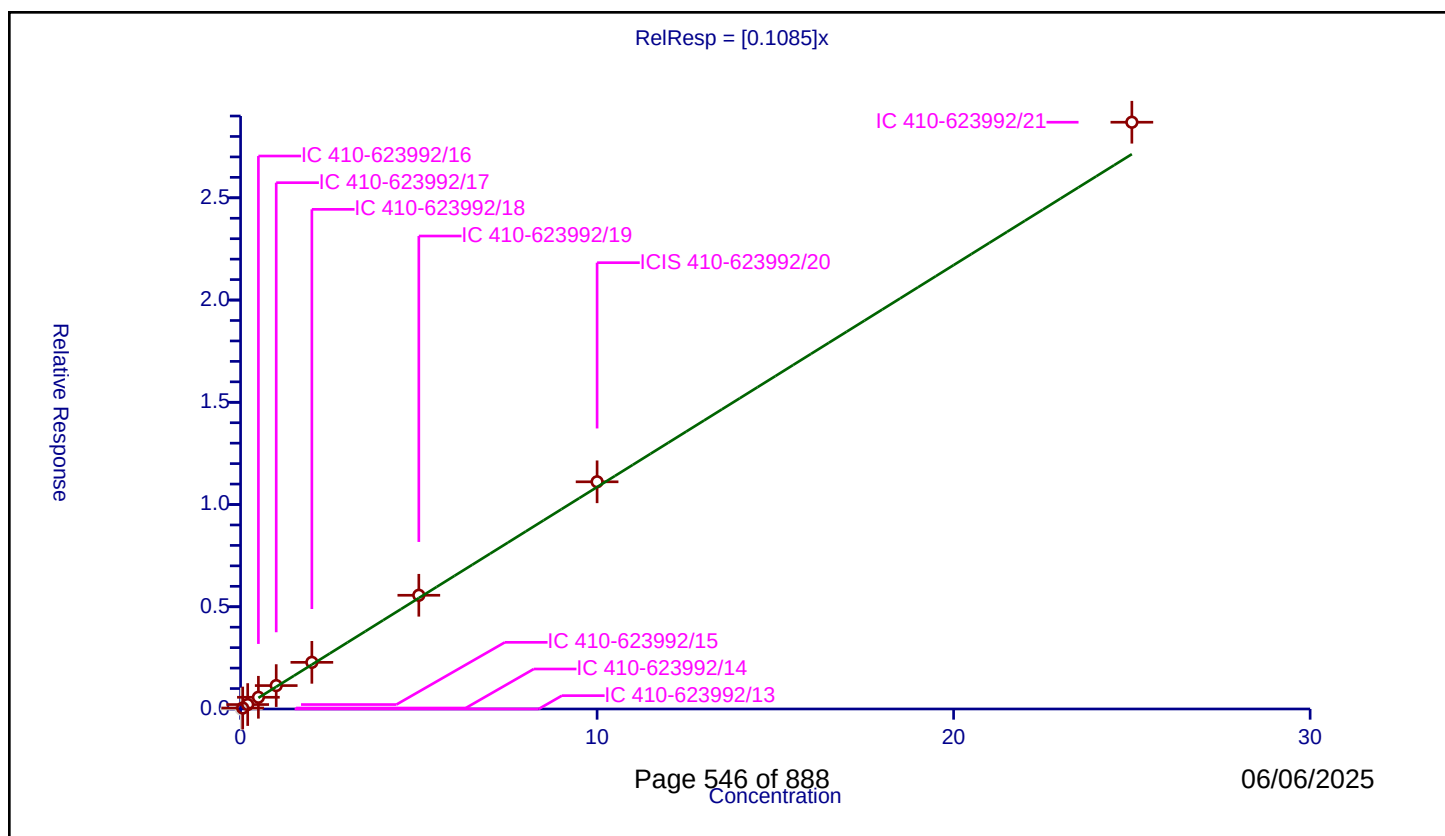
Curve Coefficients

Intercept: 0
Slope: 0.1085

Error Coefficients

Relative Standard Deviation: 10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.0	10.0	1964341.0	0.0	N
2	IC 410-623992/14	0.06	0.004792	10.0	1965958.0	0.079859	Y
3	IC 410-623992/15	0.2	0.02168	10.0	2020747.0	0.108401	Y
4	IC 410-623992/16	0.5	0.057255	10.0	2019903.0	0.11451	Y
5	IC 410-623992/17	1.0	0.11438	10.0	2009620.0	0.11438	Y
6	IC 410-623992/18	2.0	0.228104	10.0	2036656.0	0.114052	Y
7	IC 410-623992/19	5.0	0.556154	10.0	2063762.0	0.111231	Y
8	ICIS 410-623992/20	10.0	1.111102	10.0	2055680.0	0.11111	Y
9	IC 410-623992/21	25.0	2.869609	10.0	2125436.0	0.114784	Y



Calibration

/ Dichlorobromomethane

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

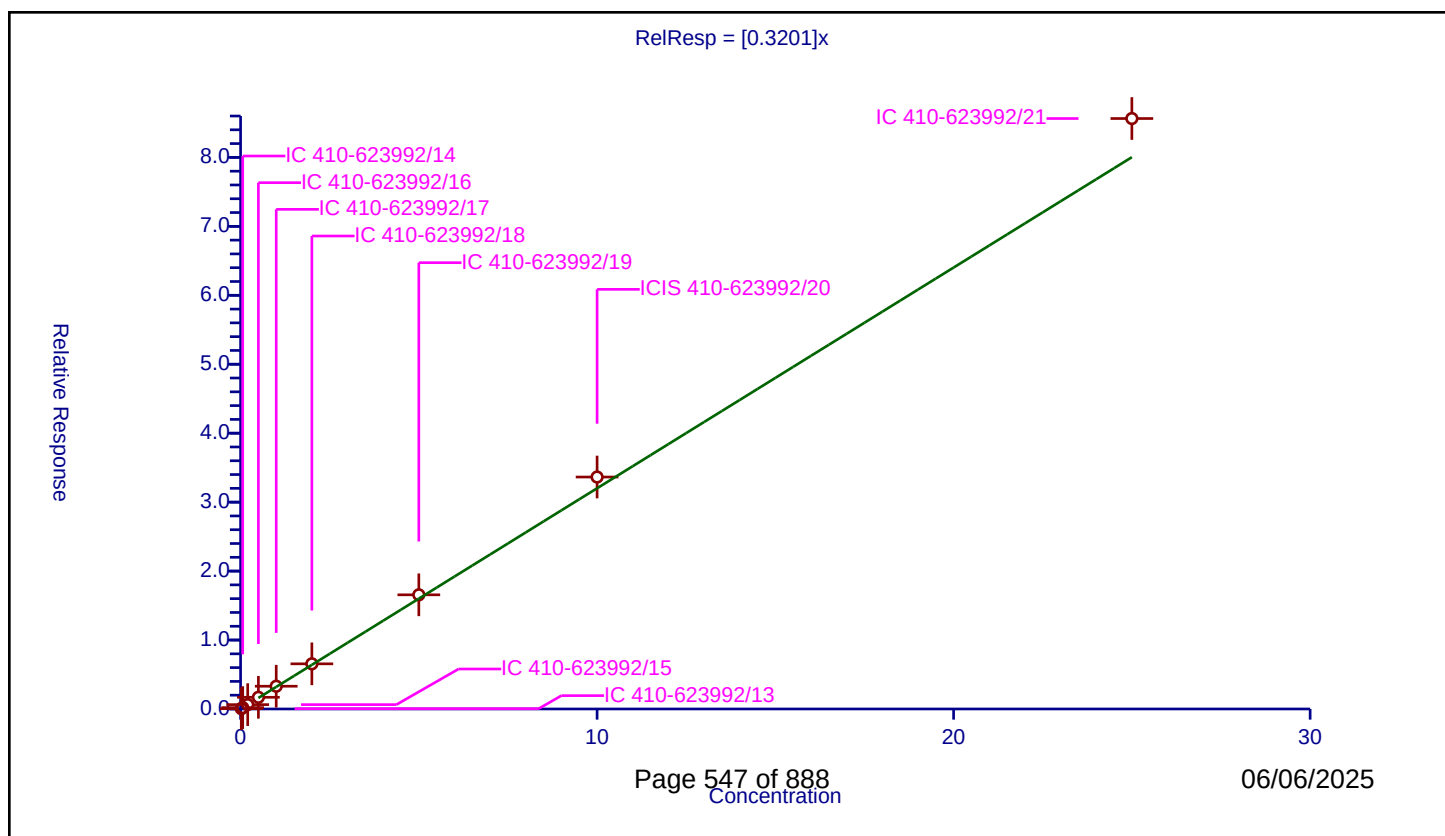
Curve Coefficients

Intercept: 0
Slope: 0.3201

Error Coefficients

Relative Standard Deviation: 10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.004587	10.0	1964341.0	0.229339	Y
2	IC 410-623992/14	0.06	0.019736	10.0	1965958.0	0.328932	Y
3	IC 410-623992/15	0.2	0.063061	10.0	2020747.0	0.315304	Y
4	IC 410-623992/16	0.5	0.169766	10.0	2019903.0	0.339531	Y
5	IC 410-623992/17	1.0	0.330212	10.0	2009620.0	0.330212	Y
6	IC 410-623992/18	2.0	0.655152	10.0	2036656.0	0.327576	Y
7	IC 410-623992/19	5.0	1.655884	10.0	2063762.0	0.331177	Y
8	ICIS 410-623992/20	10.0	3.364064	10.0	2055680.0	0.336406	Y
9	IC 410-623992/21	25.0	8.563659	10.0	2125436.0	0.342546	Y



Calibration

/ 2-Nitropropane

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

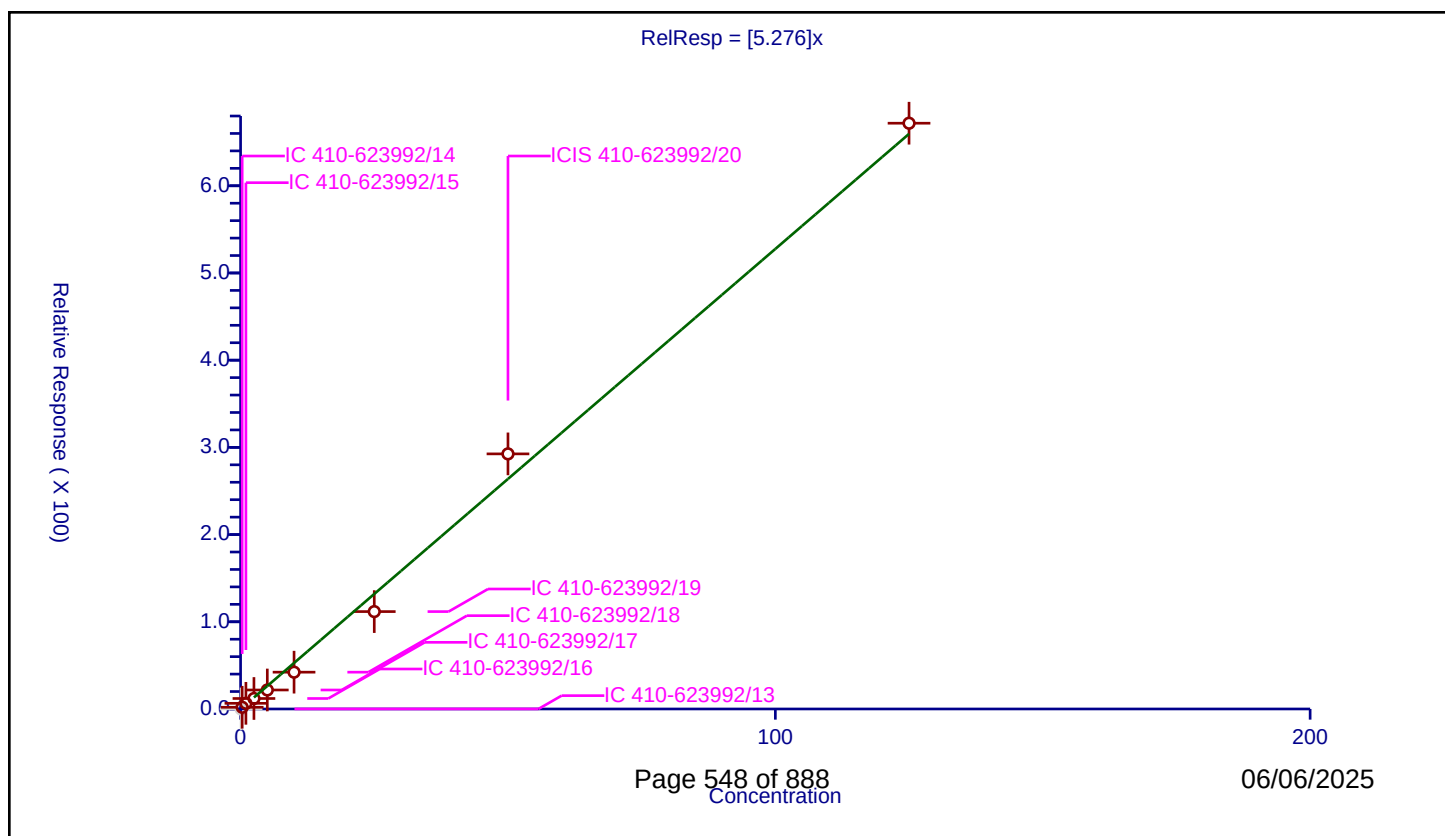
Curve Coefficients

Intercept: 0
Slope: 5.276

Error Coefficients

Relative Standard Deviation: 18.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.1	0.074283	50.0	67983.0	0.742833	N
2	IC 410-623992/14	0.3	1.984344	50.0	69368.0	6.614481	Y
3	IC 410-623992/15	1.0	6.510313	50.0	55174.0	6.510313	Y
4	IC 410-623992/16	2.5	12.030788	50.0	62232.0	4.812315	Y
5	IC 410-623992/17	5.0	21.785914	50.0	62685.0	4.357183	Y
6	IC 410-623992/18	10.0	42.210644	50.0	66026.0	4.221064	Y
7	IC 410-623992/19	25.0	111.692899	50.0	62136.0	4.467716	Y
8	ICIS 410-623992/20	50.0	292.560657	50.0	42040.0	5.851213	Y
9	IC 410-623992/21	125.0	671.72843	50.0	53430.0	5.373827	Y



Calibration

/ 1-Bromo-2-chloroethane

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

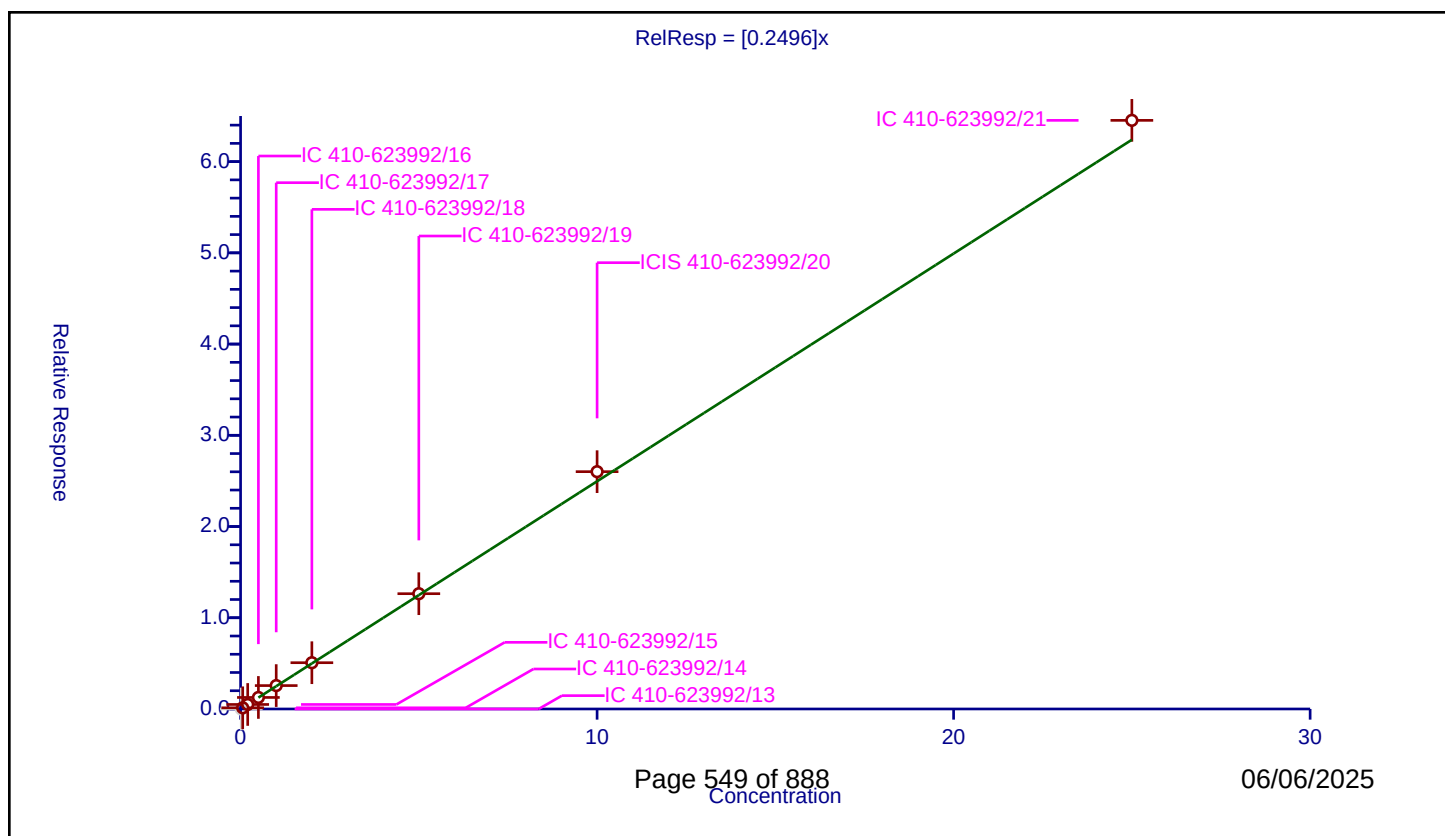
Curve Coefficients

Intercept: 0
Slope: 0.2496

Error Coefficients

Relative Standard Deviation: 5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.0	10.0	1964341.0	0.0	N
2	IC 410-623992/14	0.06	0.012879	10.0	1965958.0	0.214654	Y
3	IC 410-623992/15	0.2	0.049655	10.0	2020747.0	0.248275	Y
4	IC 410-623992/16	0.5	0.126333	10.0	2019903.0	0.252666	Y
5	IC 410-623992/17	1.0	0.256541	10.0	2009620.0	0.256541	Y
6	IC 410-623992/18	2.0	0.507233	10.0	2036656.0	0.253617	Y
7	IC 410-623992/19	5.0	1.263891	10.0	2063762.0	0.252778	Y
8	ICIS 410-623992/20	10.0	2.601421	10.0	2055680.0	0.260142	Y
9	IC 410-623992/21	25.0	6.452488	10.0	2125436.0	0.2581	Y



Calibration

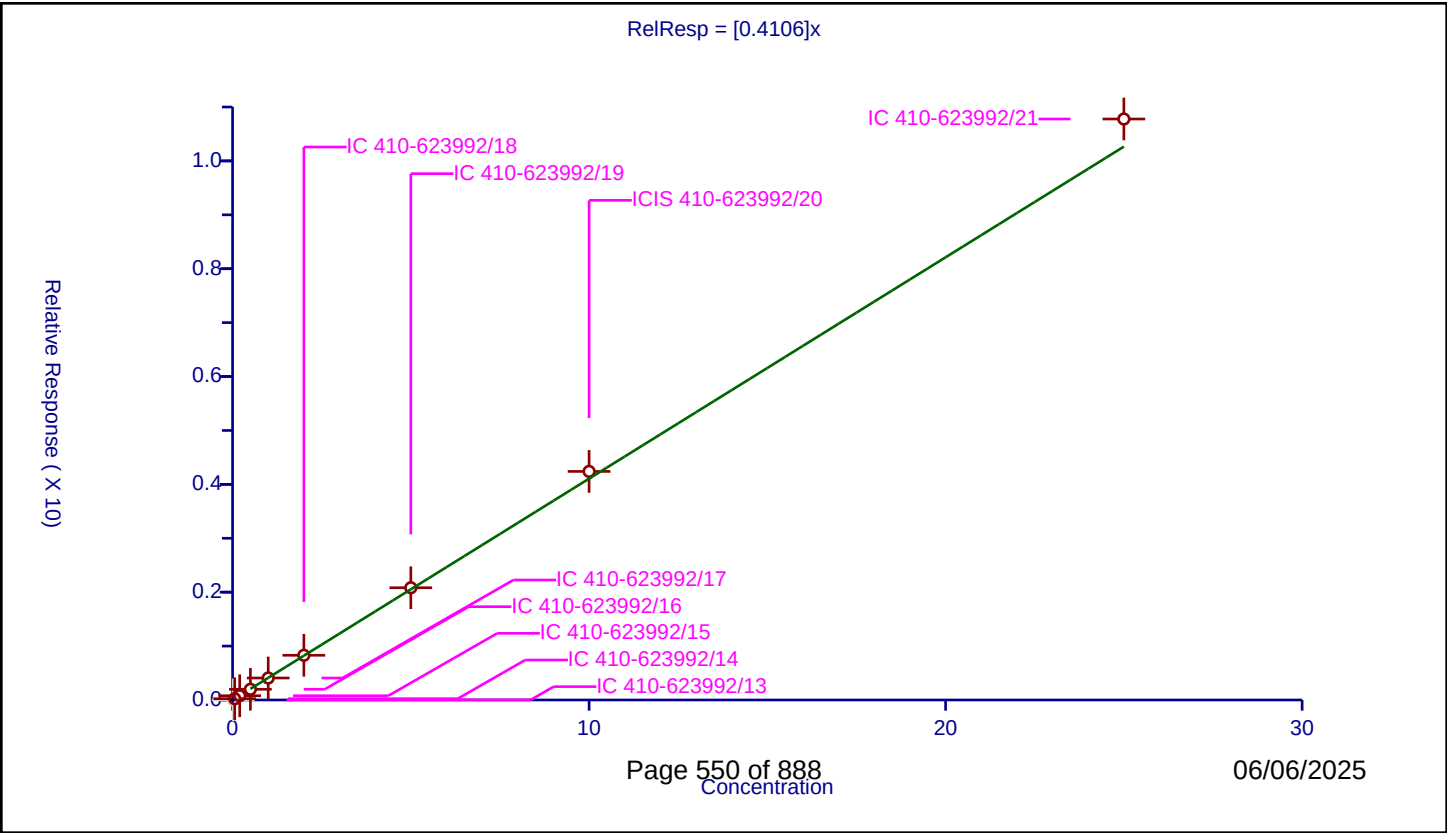
/ cis-1,3-Dichloropropene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4106
Error Coefficients	

Relative Standard Deviation: 3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.002479	10.0	1964341.0	0.12396	N
2	IC 410-623992/14	0.06	0.023948	10.0	1965958.0	0.399127	Y
3	IC 410-623992/15	0.2	0.078857	10.0	2020747.0	0.394285	Y
4	IC 410-623992/16	0.5	0.198856	10.0	2019903.0	0.397712	Y
5	IC 410-623992/17	1.0	0.407639	10.0	2009620.0	0.407639	Y
6	IC 410-623992/18	2.0	0.829109	10.0	2036656.0	0.414555	Y
7	IC 410-623992/19	5.0	2.082164	10.0	2063762.0	0.416433	Y
8	ICIS 410-623992/20	10.0	4.240023	10.0	2055680.0	0.424002	Y
9	IC 410-623992/21	25.0	10.777243	10.0	2125436.0	0.43109	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

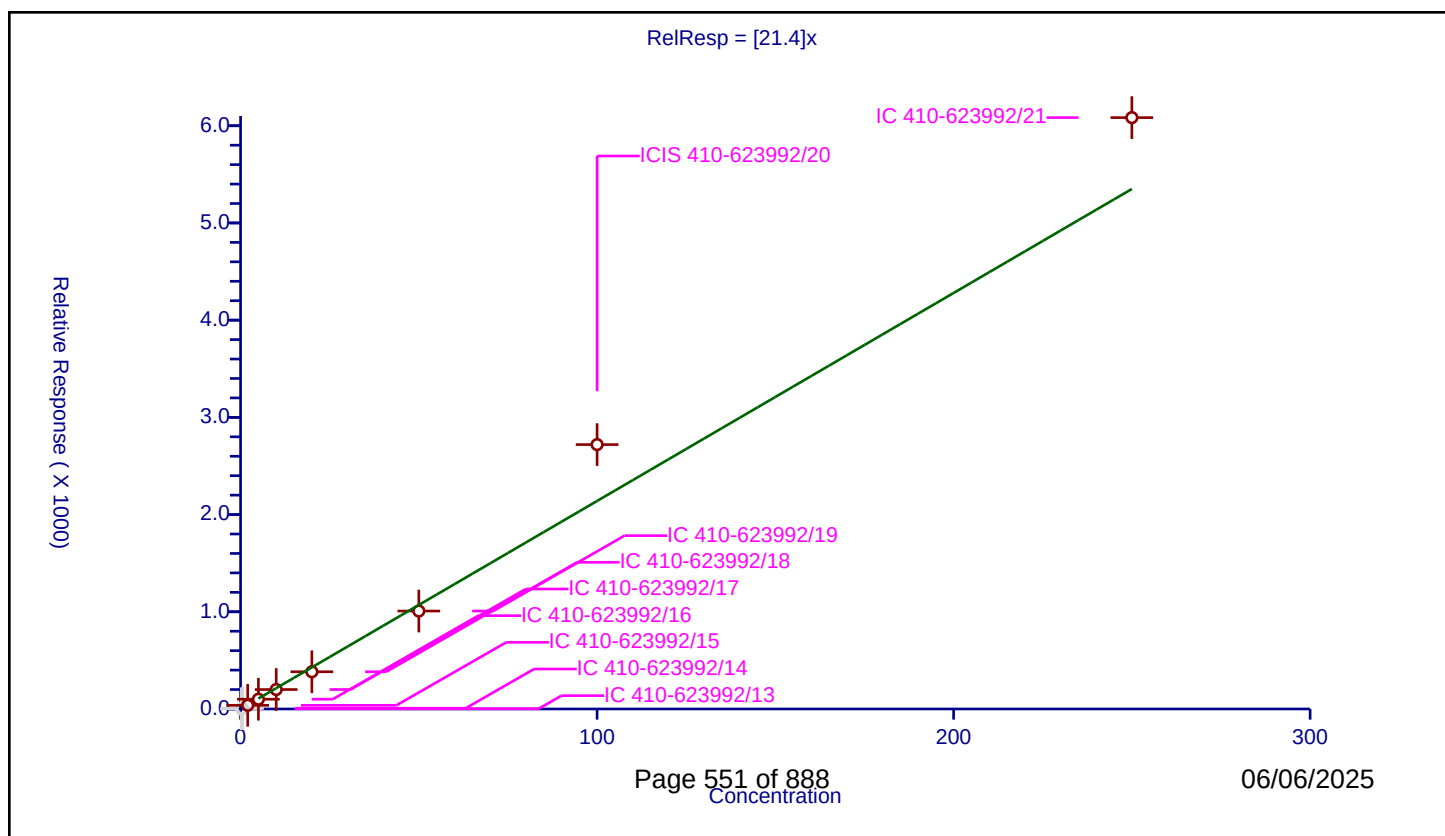
Curve Coefficients

Intercept: 0
Slope: 21.4

Error Coefficients

Relative Standard Deviation: 14.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.2	2.700675	50.0	67983.0	13.503376	N
2	IC 410-623992/14	0.6	8.19398	50.0	69368.0	13.656633	N
3	IC 410-623992/15	2.0	37.709791	50.0	55174.0	18.854895	Y
4	IC 410-623992/16	5.0	100.519829	50.0	62232.0	20.103966	Y
5	IC 410-623992/17	10.0	200.042275	50.0	62685.0	20.004227	Y
6	IC 410-623992/18	20.0	382.692424	50.0	66026.0	19.134621	Y
7	IC 410-623992/19	50.0	1007.80224	50.0	62136.0	20.156045	Y
8	ICIS 410-623992/20	100.0	2719.851332	50.0	42040.0	27.198513	Y
9	IC 410-623992/21	250.0	6083.422235	50.0	53430.0	24.333689	Y



Calibration

/ Toluene-d8 (Surr)

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

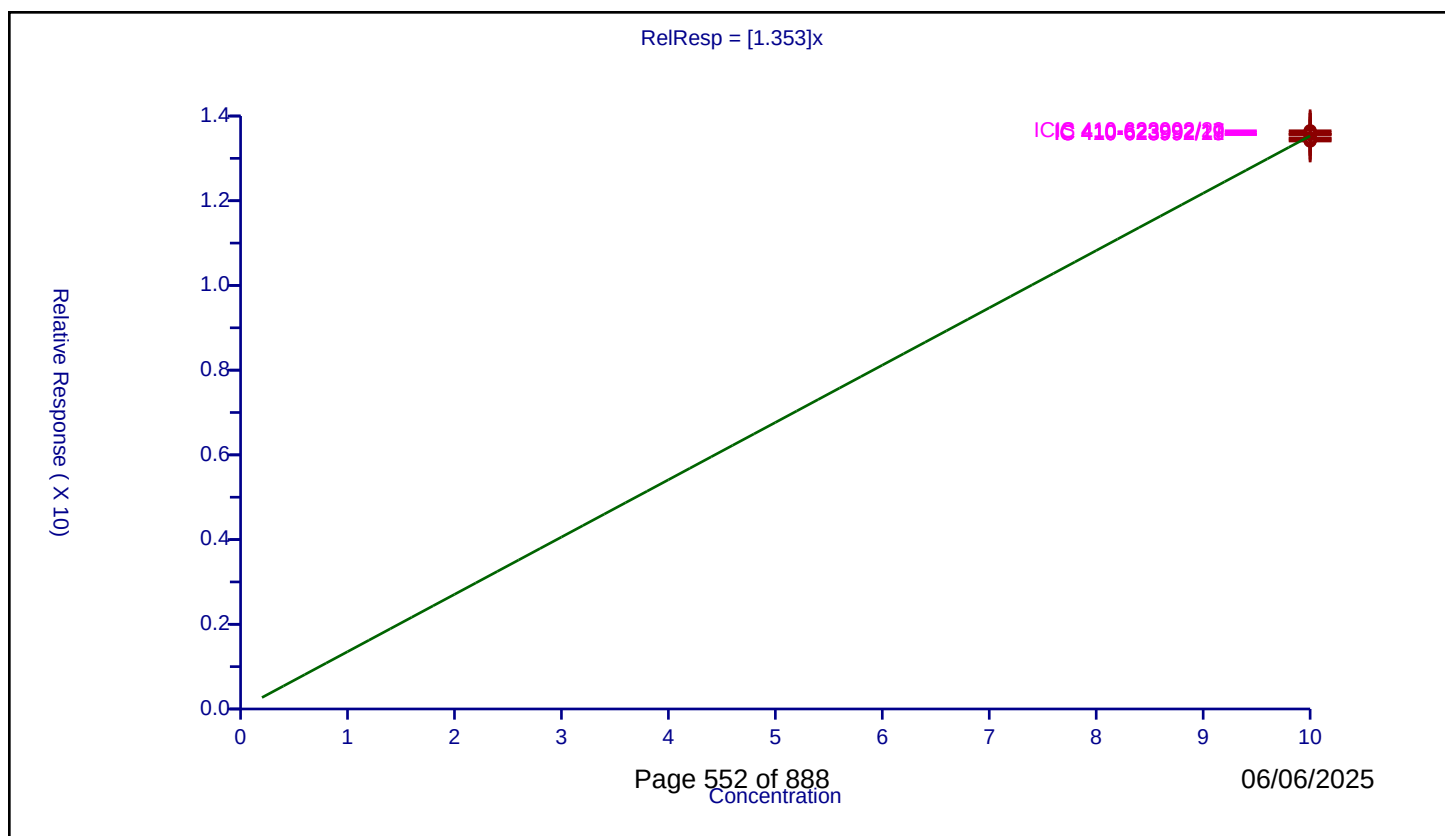
Curve Coefficients

Intercept: 0
 Slope: 1.353

Error Coefficients

Relative Standard Deviation: 0.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/21	10.0	13.56203	10.0	1510883.0	1.356203	Y
2	ICIS 410-623992/20	10.0	13.651991	10.0	1458607.0	1.365199	Y
3	IC 410-623992/19	10.0	13.570293	10.0	1467773.0	1.357029	Y
4	IC 410-623992/18	10.0	13.572414	10.0	1437185.0	1.357241	Y
5	IC 410-623992/17	10.0	13.618988	10.0	1431171.0	1.361899	Y
6	IC 410-623992/16	10.0	13.467874	10.0	1446725.0	1.346787	Y
7	IC 410-623992/15	10.0	13.409448	10.0	1439661.0	1.340945	Y
8	IC 410-623992/14	10.0	13.485049	10.0	1401748.0	1.348505	Y
9	IC 410-623992/13	10.0	13.428241	10.0	1405222.0	1.342824	Y



Calibration

/ Toluene

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

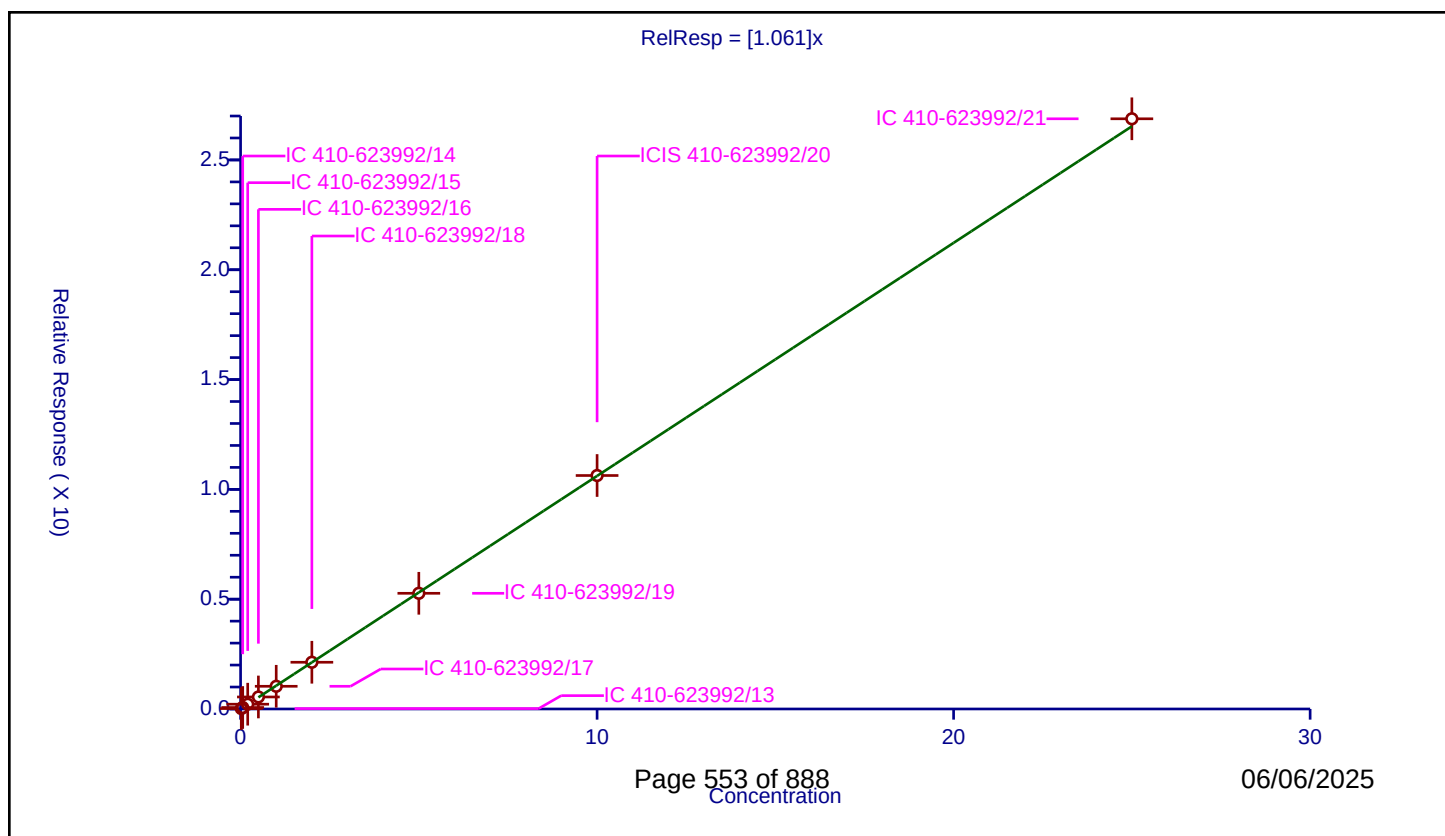
Curve Coefficients

Intercept: 0
Slope: 1.061

Error Coefficients

Relative Standard Deviation: 4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.018979	10.0	1405222.0	0.94896	Y
2	IC 410-623992/14	0.06	0.067765	10.0	1401748.0	1.129423	Y
3	IC 410-623992/15	0.2	0.217516	10.0	1439661.0	1.087582	Y
4	IC 410-623992/16	0.5	0.547464	10.0	1446725.0	1.094928	Y
5	IC 410-623992/17	1.0	1.033902	10.0	1431171.0	1.033902	Y
6	IC 410-623992/18	2.0	2.12848	10.0	1437185.0	1.06424	Y
7	IC 410-623992/19	5.0	5.268199	10.0	1467773.0	1.05364	Y
8	ICIS 410-623992/20	10.0	10.63089	10.0	1458607.0	1.063089	Y
9	IC 410-623992/21	25.0	26.873418	10.0	1510883.0	1.074937	Y



Calibration

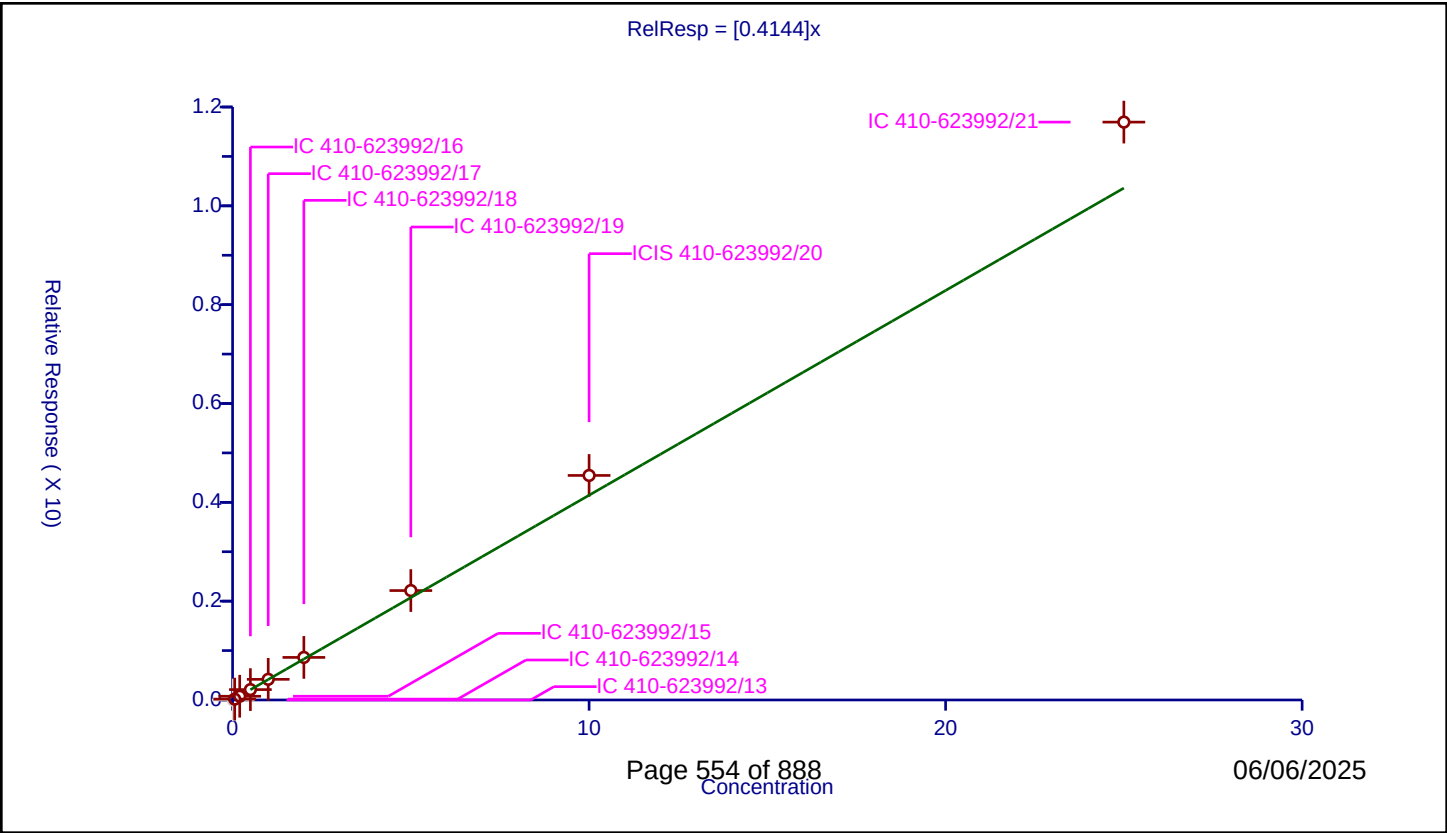
/ trans-1,3-Dichloropropene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4144
Error Coefficients	

Relative Standard Deviation: 12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.0	10.0	1405222.0	0.0	N
2	IC 410-623992/14	0.06	0.018135	10.0	1401748.0	0.302242	Y
3	IC 410-623992/15	0.2	0.075684	10.0	1439661.0	0.378422	Y
4	IC 410-623992/16	0.5	0.210206	10.0	1446725.0	0.420412	Y
5	IC 410-623992/17	1.0	0.418084	10.0	1431171.0	0.418084	Y
6	IC 410-623992/18	2.0	0.861295	10.0	1437185.0	0.430647	Y
7	IC 410-623992/19	5.0	2.214341	10.0	1467773.0	0.442868	Y
8	ICIS 410-623992/20	10.0	4.54435	10.0	1458607.0	0.454435	Y
9	IC 410-623992/21	25.0	11.694552	10.0	1510883.0	0.467782	Y



Calibration

/ Ethyl methacrylate

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

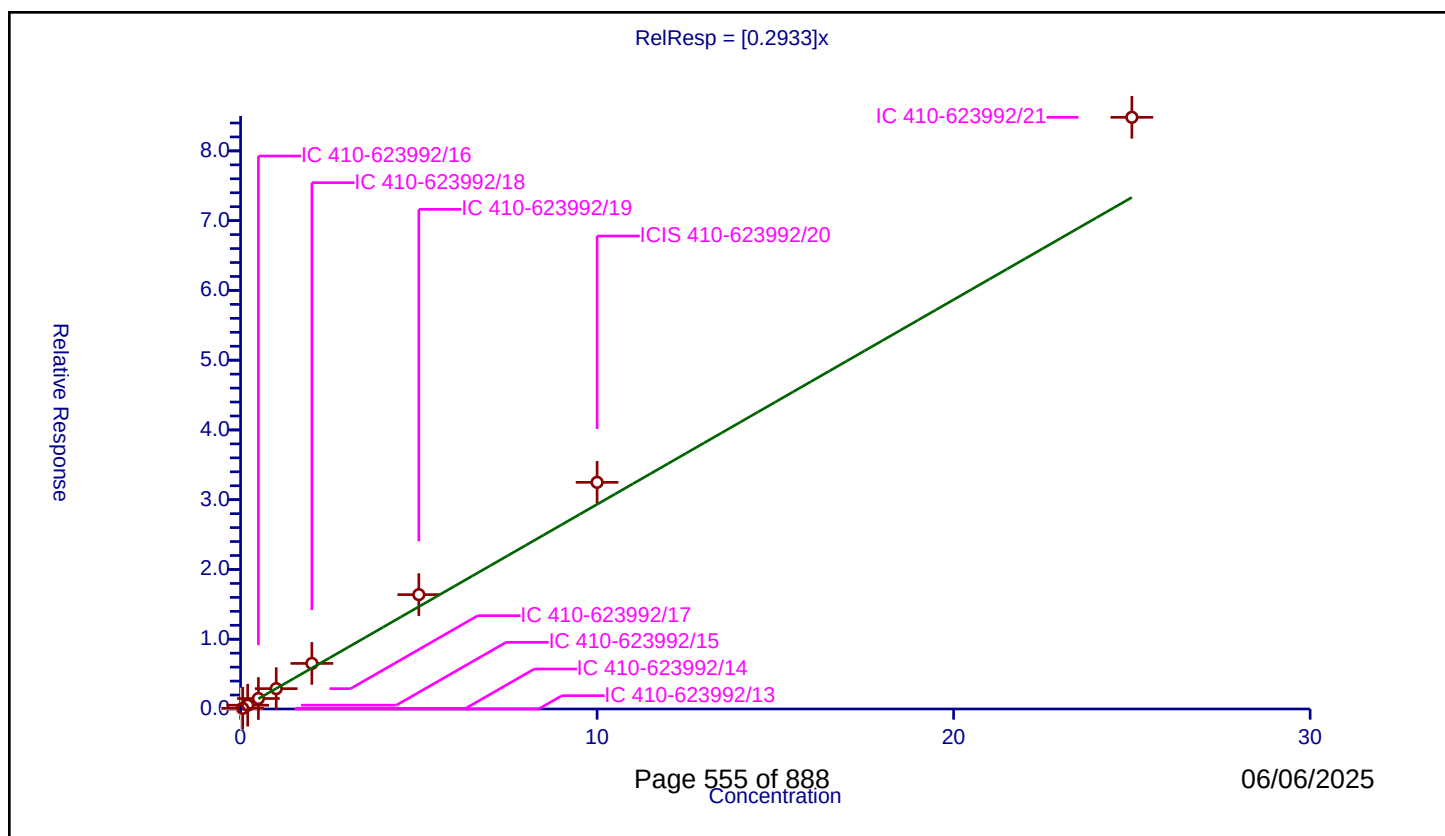
Curve Coefficients

Intercept: 0
Slope: 0.2933

Error Coefficients

Relative Standard Deviation: 19.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.0	10.0	1405222.0	0.0	N
2	IC 410-623992/14	0.06	0.009888	10.0	1401748.0	0.164794	Y
3	IC 410-623992/15	0.2	0.054298	10.0	1439661.0	0.271488	Y
4	IC 410-623992/16	0.5	0.15007	10.0	1446725.0	0.30014	Y
5	IC 410-623992/17	1.0	0.291586	10.0	1431171.0	0.291586	Y
6	IC 410-623992/18	2.0	0.653402	10.0	1437185.0	0.326701	Y
7	IC 410-623992/19	5.0	1.639177	10.0	1467773.0	0.327835	Y
8	ICIS 410-623992/20	10.0	3.248942	10.0	1458607.0	0.324894	Y
9	IC 410-623992/21	25.0	8.481266	10.0	1510883.0	0.339251	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

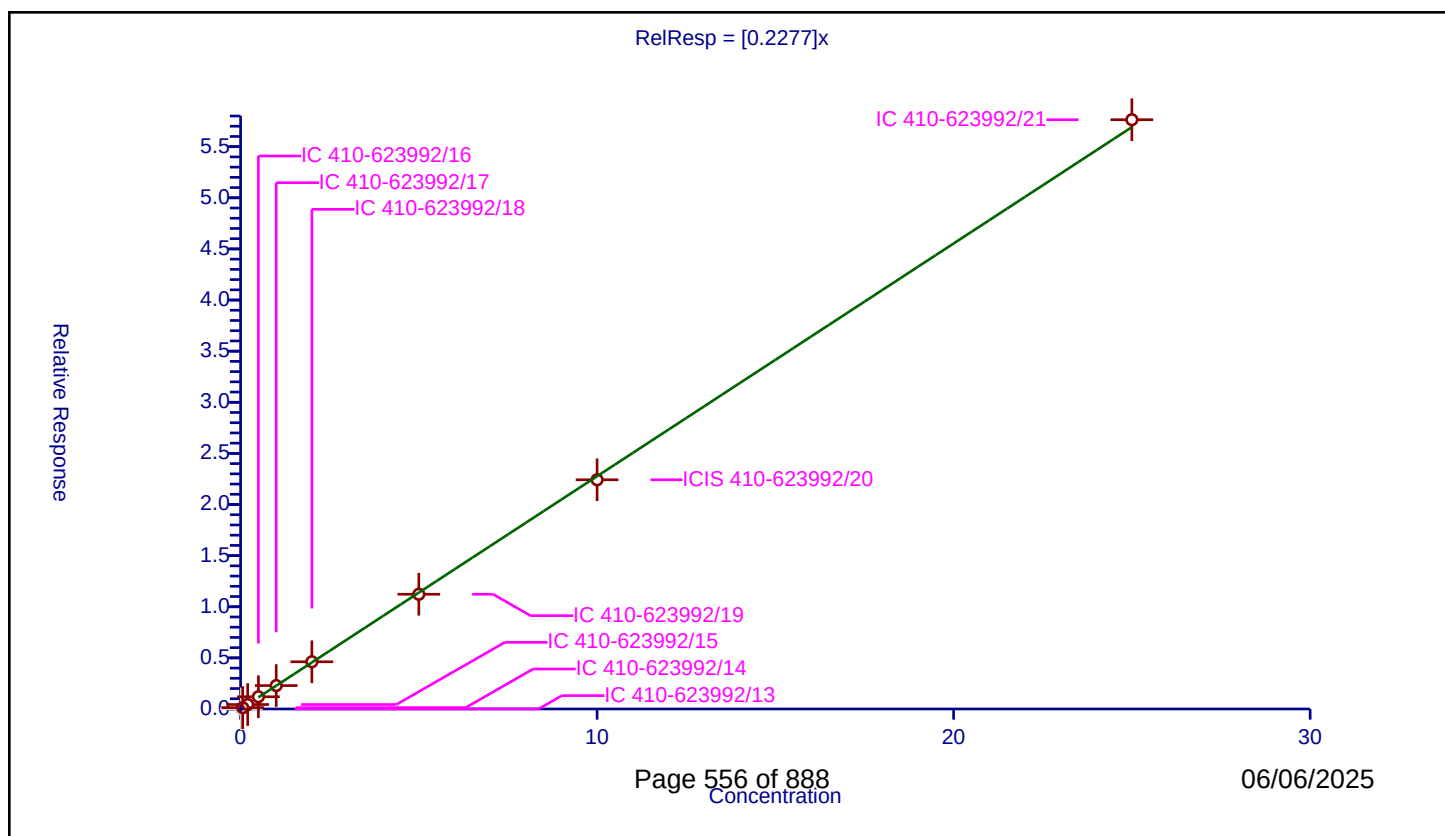
Curve Coefficients

Intercept: 0
Slope: 0.2277

Error Coefficients

Relative Standard Deviation: 2.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.000897	10.0	1405222.0	0.044833	N
2	IC 410-623992/14	0.06	0.013497	10.0	1401748.0	0.224957	Y
3	IC 410-623992/15	0.2	0.043649	10.0	1439661.0	0.218246	Y
4	IC 410-623992/16	0.5	0.119587	10.0	1446725.0	0.239175	Y
5	IC 410-623992/17	1.0	0.228792	10.0	1431171.0	0.228792	Y
6	IC 410-623992/18	2.0	0.461757	10.0	1437185.0	0.230878	Y
7	IC 410-623992/19	5.0	1.122156	10.0	1467773.0	0.224431	Y
8	ICIS 410-623992/20	10.0	2.24192	10.0	1458607.0	0.224192	Y
9	IC 410-623992/21	25.0	5.763828	10.0	1510883.0	0.230553	Y



Calibration

/ Tetrachloroethene

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

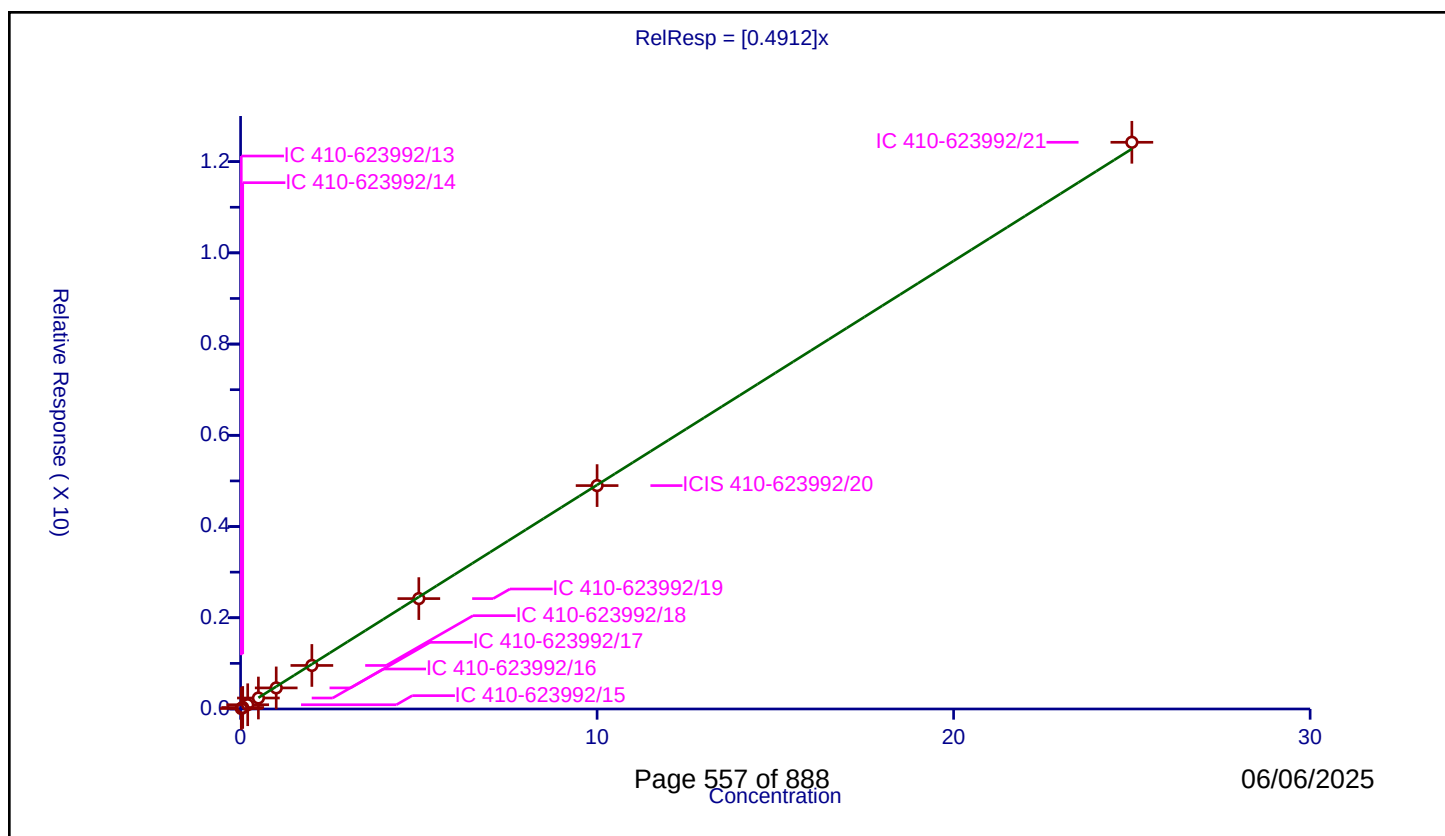
Curve Coefficients

Intercept: 0
Slope: 0.4912

Error Coefficients

Relative Standard Deviation: 5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.010155	10.0	1405222.0	0.507749	Y
2	IC 410-623992/14	0.06	0.033301	10.0	1401748.0	0.555021	Y
3	IC 410-623992/15	0.2	0.093314	10.0	1439661.0	0.466568	Y
4	IC 410-623992/16	0.5	0.240557	10.0	1446725.0	0.481114	Y
5	IC 410-623992/17	1.0	0.462027	10.0	1431171.0	0.462027	Y
6	IC 410-623992/18	2.0	0.954484	10.0	1437185.0	0.477242	Y
7	IC 410-623992/19	5.0	2.420061	10.0	1467773.0	0.484012	Y
8	ICIS 410-623992/20	10.0	4.897632	10.0	1458607.0	0.489763	Y
9	IC 410-623992/21	25.0	12.424145	10.0	1510883.0	0.496966	Y



Calibration

/ 1,3-Dichloropropane

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

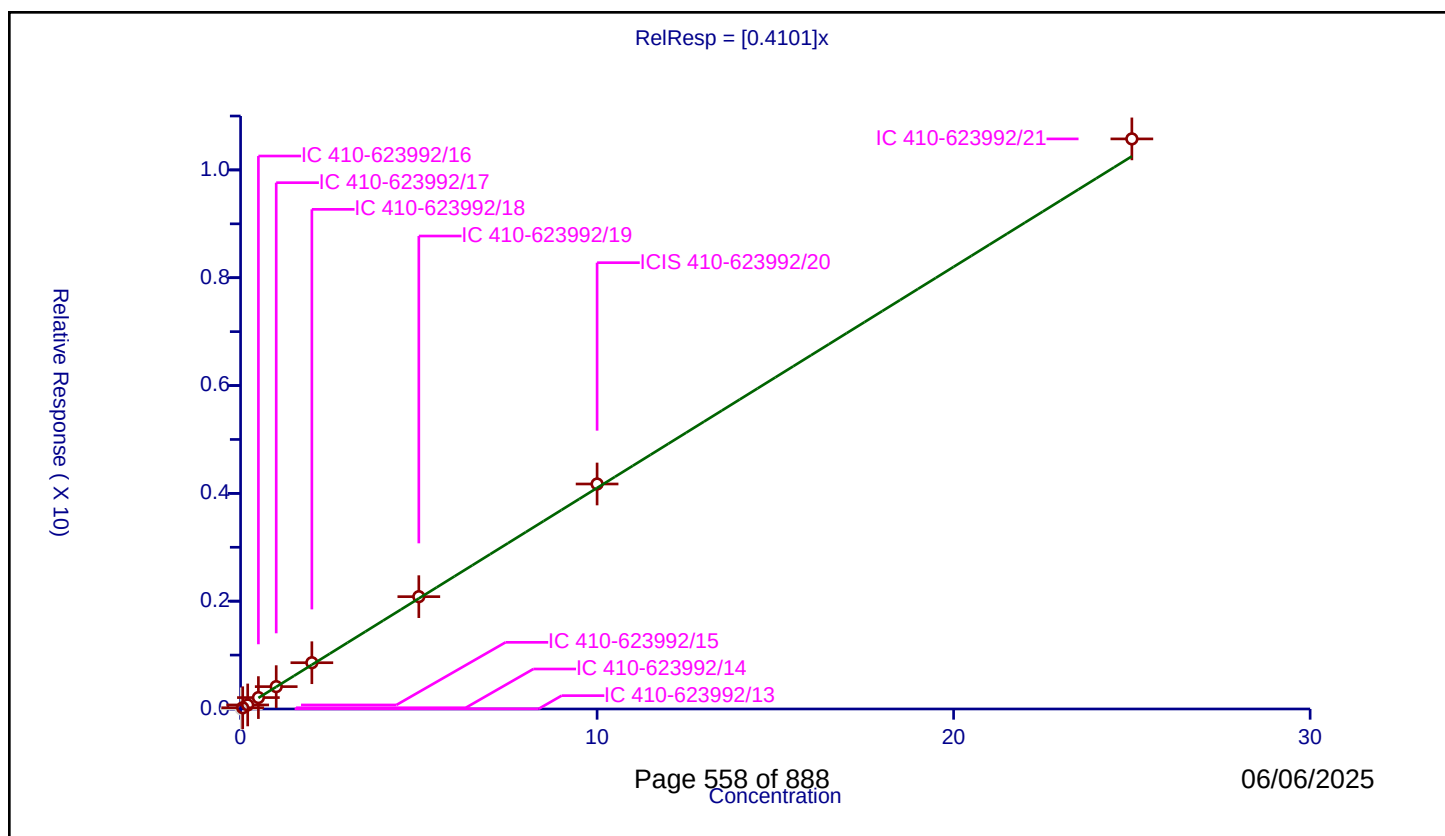
Curve Coefficients

Intercept: 0
Slope: 0.4101

Error Coefficients

Relative Standard Deviation: 4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.003195	10.0	1405222.0	0.159761	N
2	IC 410-623992/14	0.06	0.022879	10.0	1401748.0	0.38131	Y
3	IC 410-623992/15	0.2	0.074997	10.0	1439661.0	0.374984	Y
4	IC 410-623992/16	0.5	0.211574	10.0	1446725.0	0.423149	Y
5	IC 410-623992/17	1.0	0.415017	10.0	1431171.0	0.415017	Y
6	IC 410-623992/18	2.0	0.858296	10.0	1437185.0	0.429148	Y
7	IC 410-623992/19	5.0	2.083851	10.0	1467773.0	0.41677	Y
8	ICIS 410-623992/20	10.0	4.174044	10.0	1458607.0	0.417404	Y
9	IC 410-623992/21	25.0	10.575438	10.0	1510883.0	0.423018	Y



Calibration

/ 2-Hexanone

Curve Type: Linear
Weighting: Conc
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

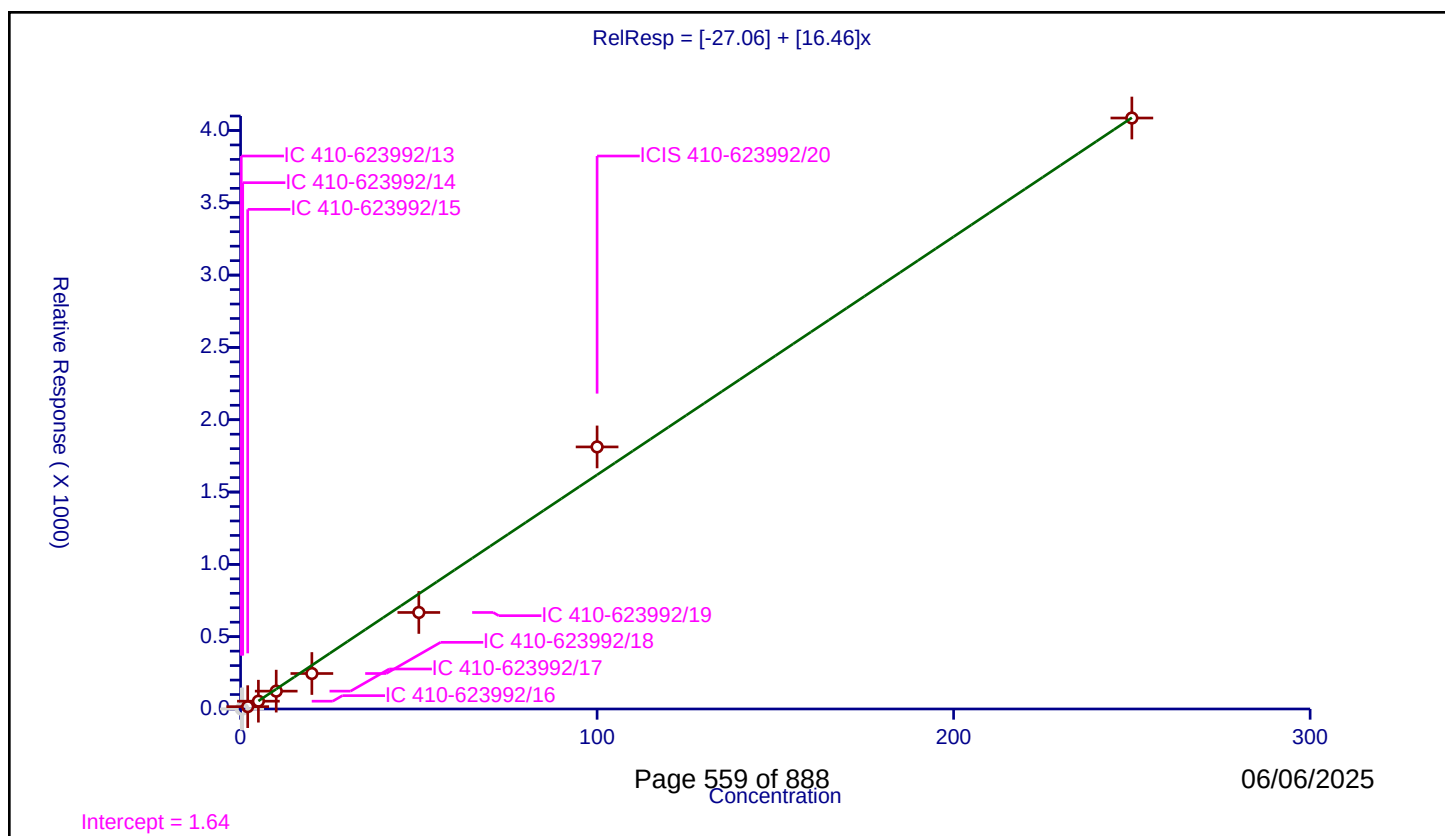
Curve Coefficients

Intercept: -27.06
Slope: 16.46

Error Coefficients

Relative Standard Deviation: 18.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.2	0.0	50.0	67983.0	0.0	N
2	IC 410-623992/14	0.6	0.900992	50.0	69368.0	1.501653	N
3	IC 410-623992/15	2.0	16.193316	50.0	55174.0	8.096658	Y
4	IC 410-623992/16	5.0	54.001157	50.0	62232.0	10.800231	Y
5	IC 410-623992/17	10.0	123.382787	50.0	62685.0	12.338279	Y
6	IC 410-623992/18	20.0	245.288977	50.0	66026.0	12.264449	Y
7	IC 410-623992/19	50.0	667.398127	50.0	62136.0	13.347963	Y
8	ICIS 410-623992/20	100.0	1812.078972	50.0	42040.0	18.12079	Y
9	IC 410-623992/21	250.0	4086.155718	50.0	53430.0	16.344623	Y



Calibration

/ Chlorodibromomethane

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

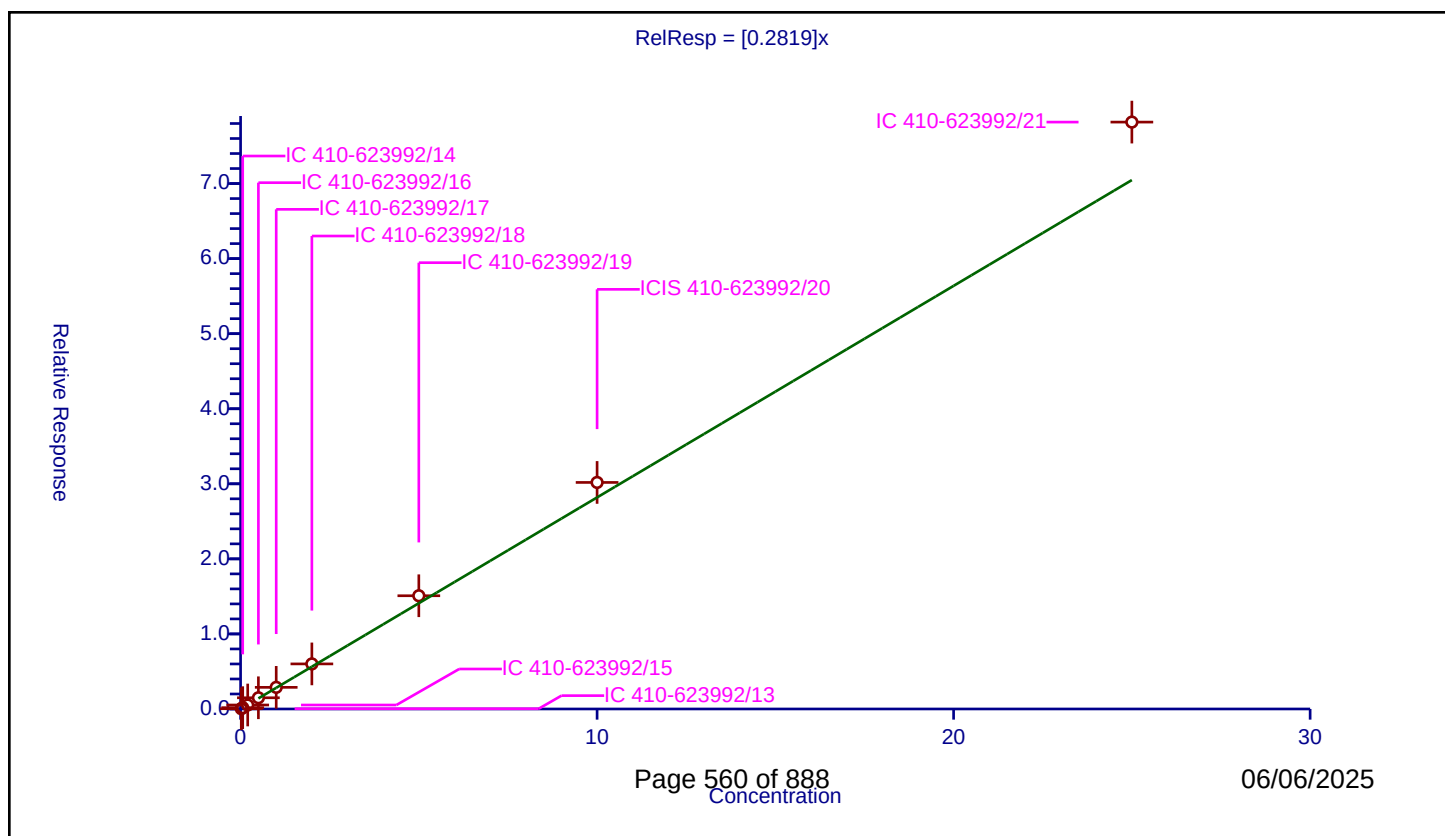
Curve Coefficients

Intercept: 0
Slope: 0.2819

Error Coefficients

Relative Standard Deviation: 14.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.003537	10.0	1405222.0	0.17684	Y
2	IC 410-623992/14	0.06	0.017471	10.0	1401748.0	0.291184	Y
3	IC 410-623992/15	0.2	0.052936	10.0	1439661.0	0.26468	Y
4	IC 410-623992/16	0.5	0.149545	10.0	1446725.0	0.299089	Y
5	IC 410-623992/17	1.0	0.288288	10.0	1431171.0	0.288288	Y
6	IC 410-623992/18	2.0	0.600723	10.0	1437185.0	0.300361	Y
7	IC 410-623992/19	5.0	1.508694	10.0	1467773.0	0.301739	Y
8	ICIS 410-623992/20	10.0	3.018236	10.0	1458607.0	0.301824	Y
9	IC 410-623992/21	25.0	7.818838	10.0	1510883.0	0.312754	Y



Calibration

/ Ethylene Dibromide

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

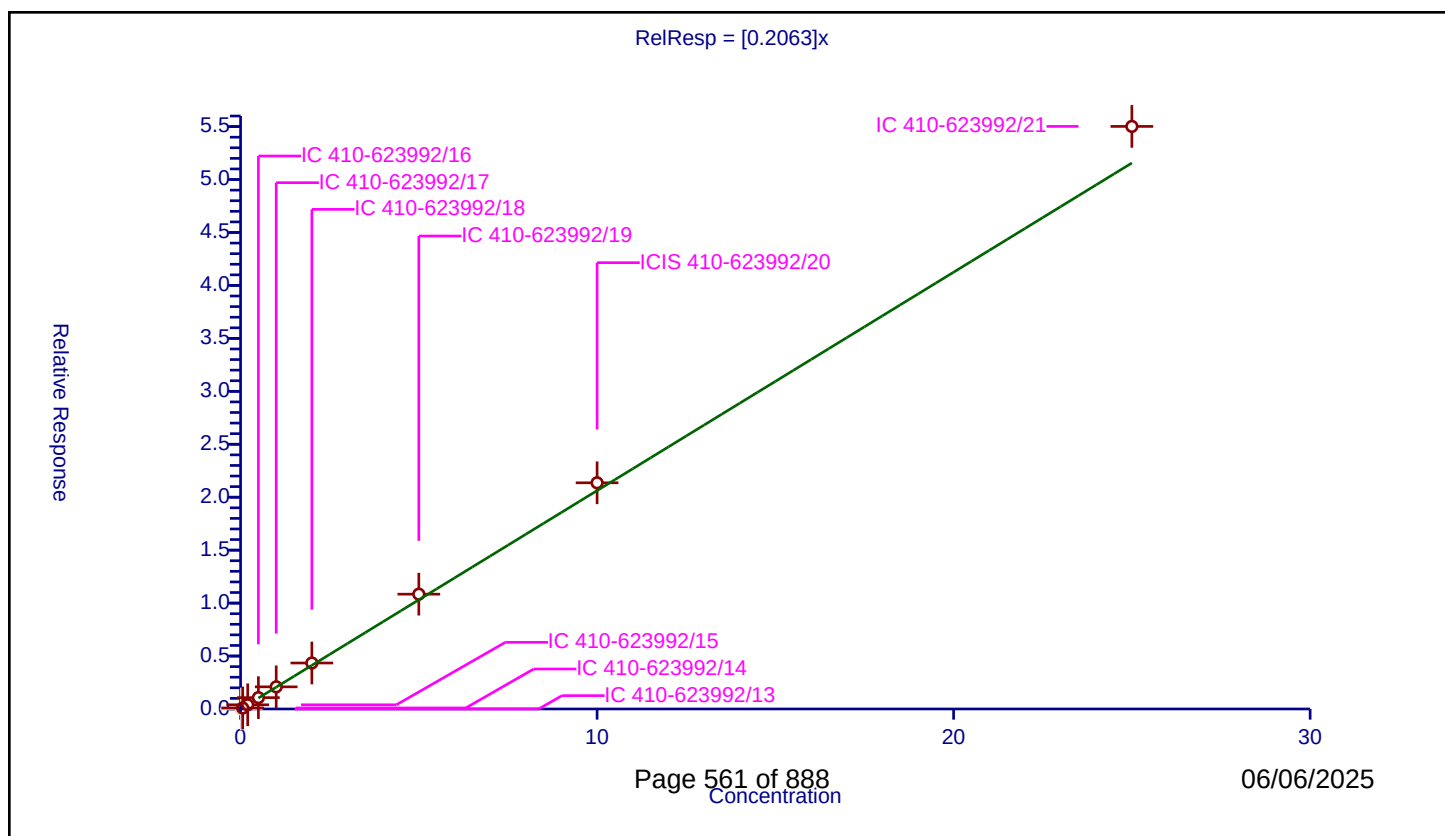
Curve Coefficients

Intercept: 0
Slope: 0.2063

Error Coefficients

Relative Standard Deviation: 9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.0	10.0	1405222.0	0.0	N
2	IC 410-623992/14	0.06	0.009617	10.0	1401748.0	0.160276	Y
3	IC 410-623992/15	0.2	0.039752	10.0	1439661.0	0.198762	Y
4	IC 410-623992/16	0.5	0.107063	10.0	1446725.0	0.214125	Y
5	IC 410-623992/17	1.0	0.20922	10.0	1431171.0	0.20922	Y
6	IC 410-623992/18	2.0	0.434203	10.0	1437185.0	0.217101	Y
7	IC 410-623992/19	5.0	1.084282	10.0	1467773.0	0.216856	Y
8	ICIS 410-623992/20	10.0	2.136175	10.0	1458607.0	0.213618	Y
9	IC 410-623992/21	25.0	5.50167	10.0	1510883.0	0.220067	Y



Calibration

/ 1-Chlorohexane

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

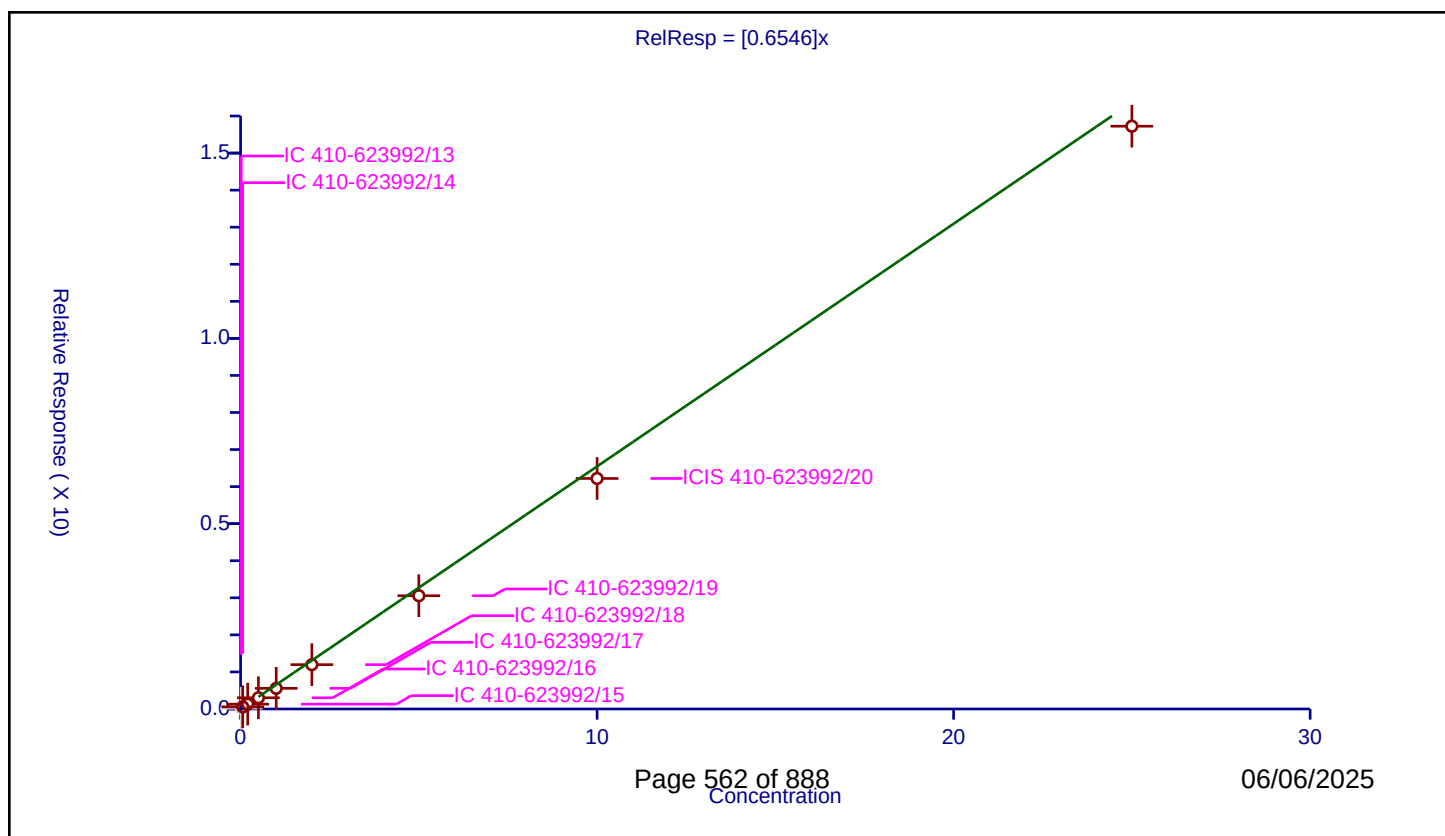
Curve Coefficients

Intercept: 0
Slope: 0.6546

Error Coefficients

Relative Standard Deviation: 19.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.021413	10.0	1405222.0	1.070649	N
2	IC 410-623992/14	0.06	0.057621	10.0	1401748.0	0.960349	Y
3	IC 410-623992/15	0.2	0.130899	10.0	1439661.0	0.654494	Y
4	IC 410-623992/16	0.5	0.302207	10.0	1446725.0	0.604413	Y
5	IC 410-623992/17	1.0	0.557515	10.0	1431171.0	0.557515	Y
6	IC 410-623992/18	2.0	1.195879	10.0	1437185.0	0.59794	Y
7	IC 410-623992/19	5.0	3.056072	10.0	1467773.0	0.611214	Y
8	ICIS 410-623992/20	10.0	6.219715	10.0	1458607.0	0.621972	Y
9	IC 410-623992/21	25.0	15.725016	10.0	1510883.0	0.629001	Y



Calibration

/ Chlorobenzene

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

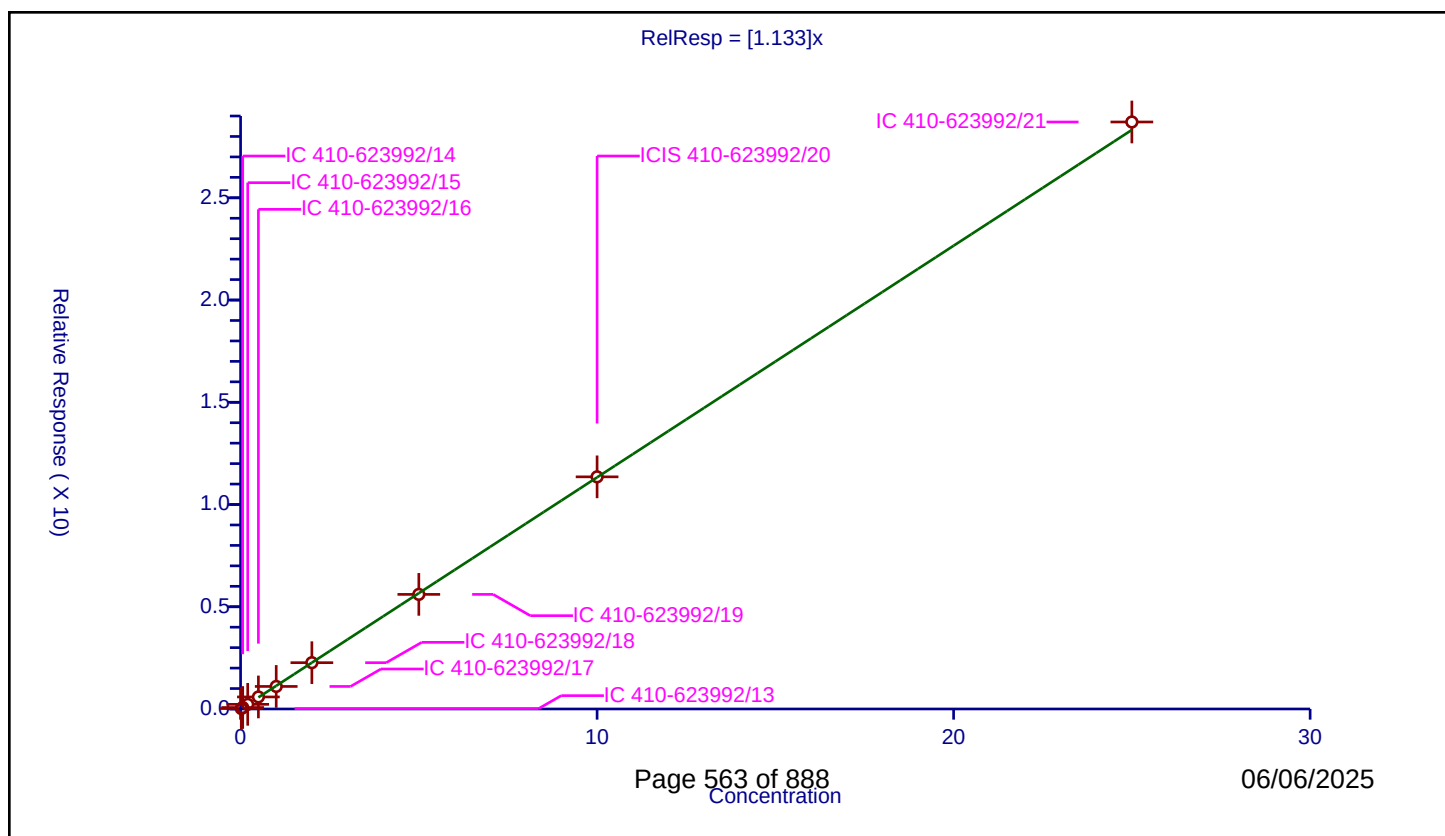
Curve Coefficients

Intercept: 0
 Slope: 1.133

Error Coefficients

Relative Standard Deviation: 4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.020509	10.0	1405222.0	1.025461	Y
2	IC 410-623992/14	0.06	0.072752	10.0	1401748.0	1.212534	Y
3	IC 410-623992/15	0.2	0.227852	10.0	1439661.0	1.139261	Y
4	IC 410-623992/16	0.5	0.588806	10.0	1446725.0	1.177612	Y
5	IC 410-623992/17	1.0	1.103041	10.0	1431171.0	1.103041	Y
6	IC 410-623992/18	2.0	2.265269	10.0	1437185.0	1.132634	Y
7	IC 410-623992/19	5.0	5.605022	10.0	1467773.0	1.121004	Y
8	ICIS 410-623992/20	10.0	11.352873	10.0	1458607.0	1.135287	Y
9	IC 410-623992/21	25.0	28.708331	10.0	1510883.0	1.148333	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

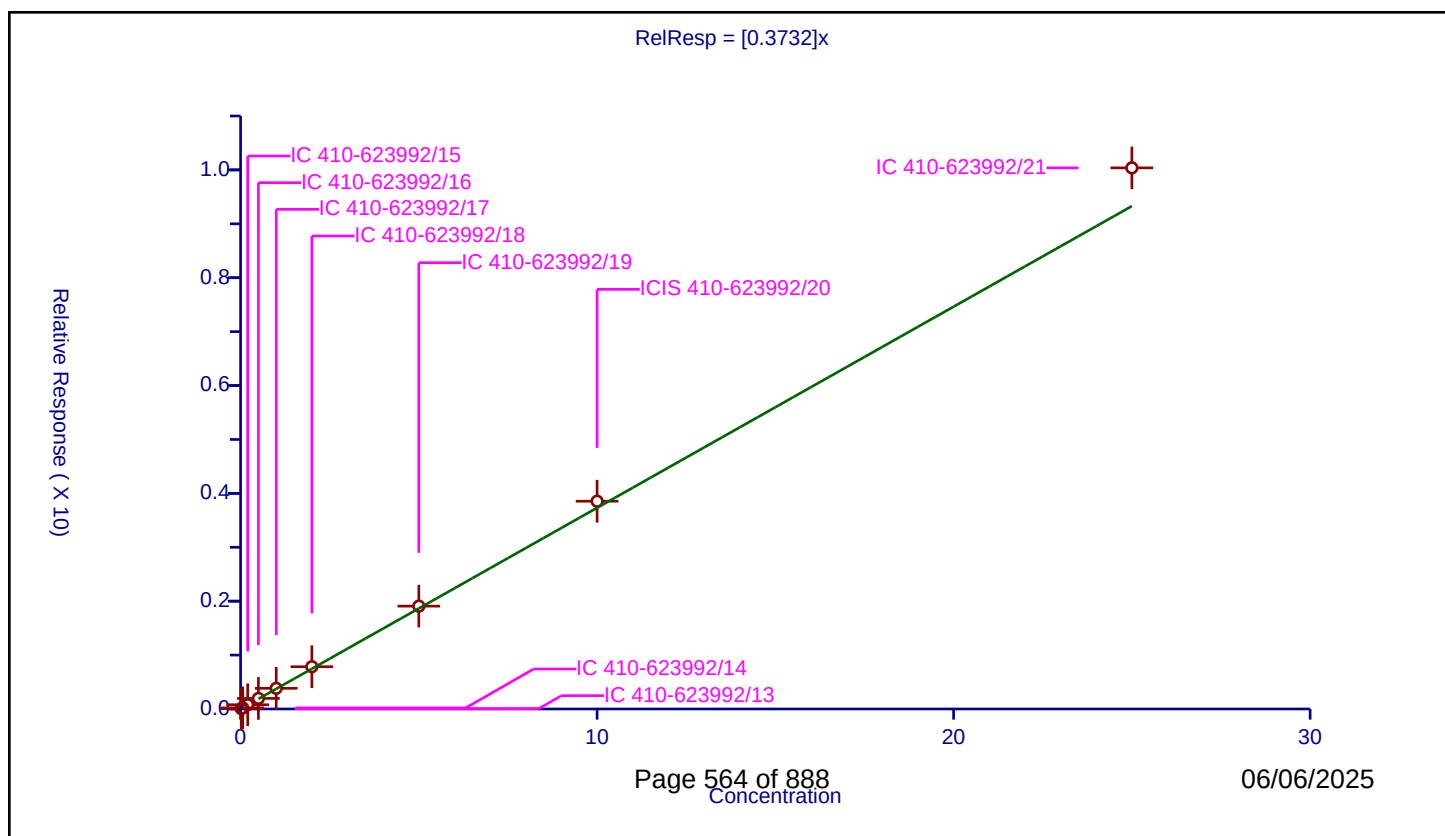
Curve Coefficients

Intercept: 0
Slope: 0.3732

Error Coefficients

Relative Standard Deviation: 9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.005907	10.0	1405222.0	0.295327	Y
2	IC 410-623992/14	0.06	0.020139	10.0	1401748.0	0.335652	Y
3	IC 410-623992/15	0.2	0.078171	10.0	1439661.0	0.390856	Y
4	IC 410-623992/16	0.5	0.196195	10.0	1446725.0	0.39239	Y
5	IC 410-623992/17	1.0	0.383707	10.0	1431171.0	0.383707	Y
6	IC 410-623992/18	2.0	0.78372	10.0	1437185.0	0.39186	Y
7	IC 410-623992/19	5.0	1.907938	10.0	1467773.0	0.381588	Y
8	ICIS 410-623992/20	10.0	3.85441	10.0	1458607.0	0.385441	Y
9	IC 410-623992/21	25.0	10.038547	10.0	1510883.0	0.401542	Y



Calibration

/ Ethylbenzene

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

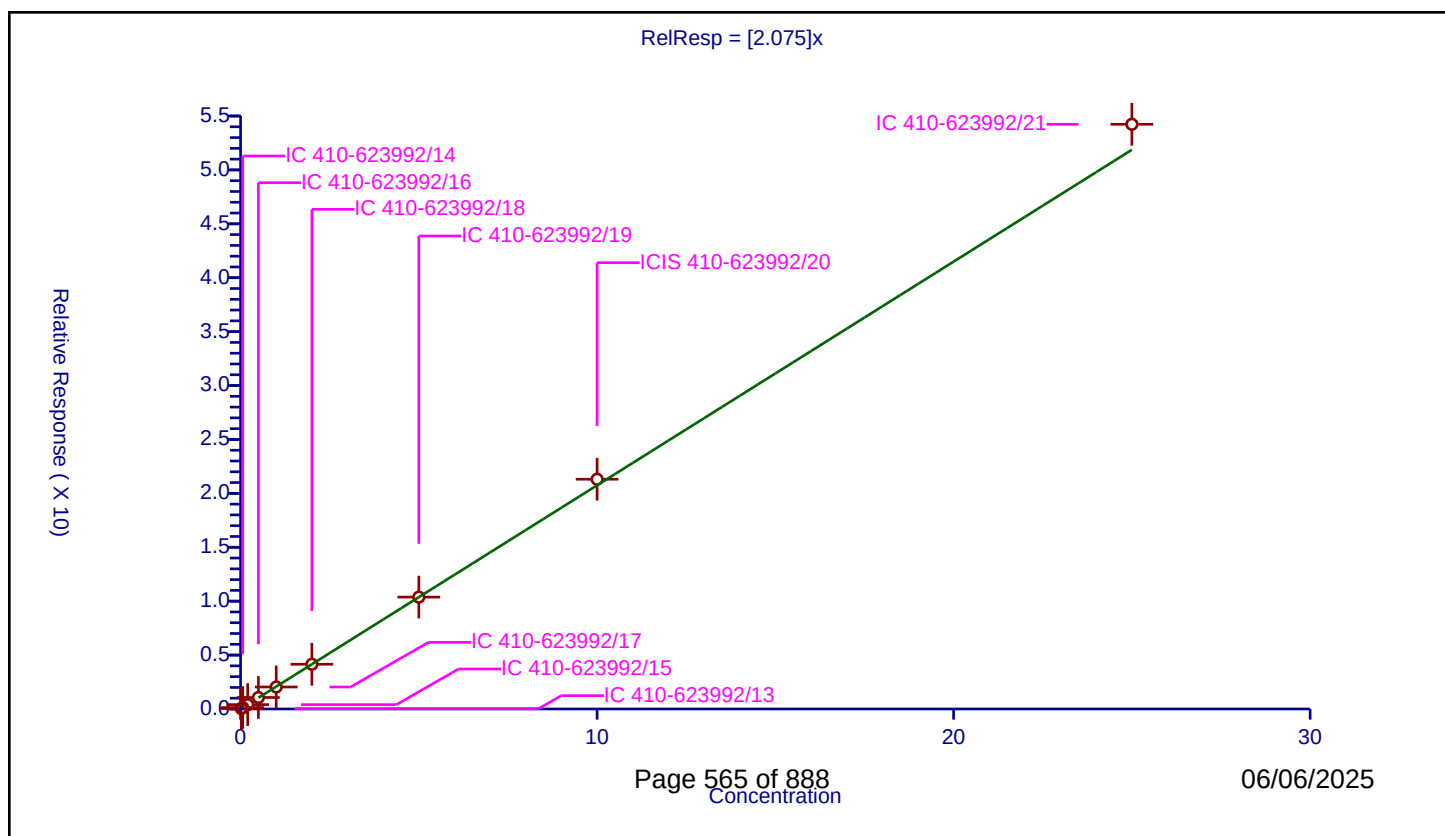
Curve Coefficients

Intercept: 0
Slope: 2.075

Error Coefficients

Relative Standard Deviation: 5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.036549	10.0	1405222.0	1.827469	Y
2	IC 410-623992/14	0.06	0.132092	10.0	1401748.0	2.201537	Y
3	IC 410-623992/15	0.2	0.404109	10.0	1439661.0	2.020545	Y
4	IC 410-623992/16	0.5	1.066028	10.0	1446725.0	2.132057	Y
5	IC 410-623992/17	1.0	2.039763	10.0	1431171.0	2.039763	Y
6	IC 410-623992/18	2.0	4.149438	10.0	1437185.0	2.074719	Y
7	IC 410-623992/19	5.0	10.37608	10.0	1467773.0	2.075216	Y
8	ICIS 410-623992/20	10.0	21.309523	10.0	1458607.0	2.130952	Y
9	IC 410-623992/21	25.0	54.232101	10.0	1510883.0	2.169284	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

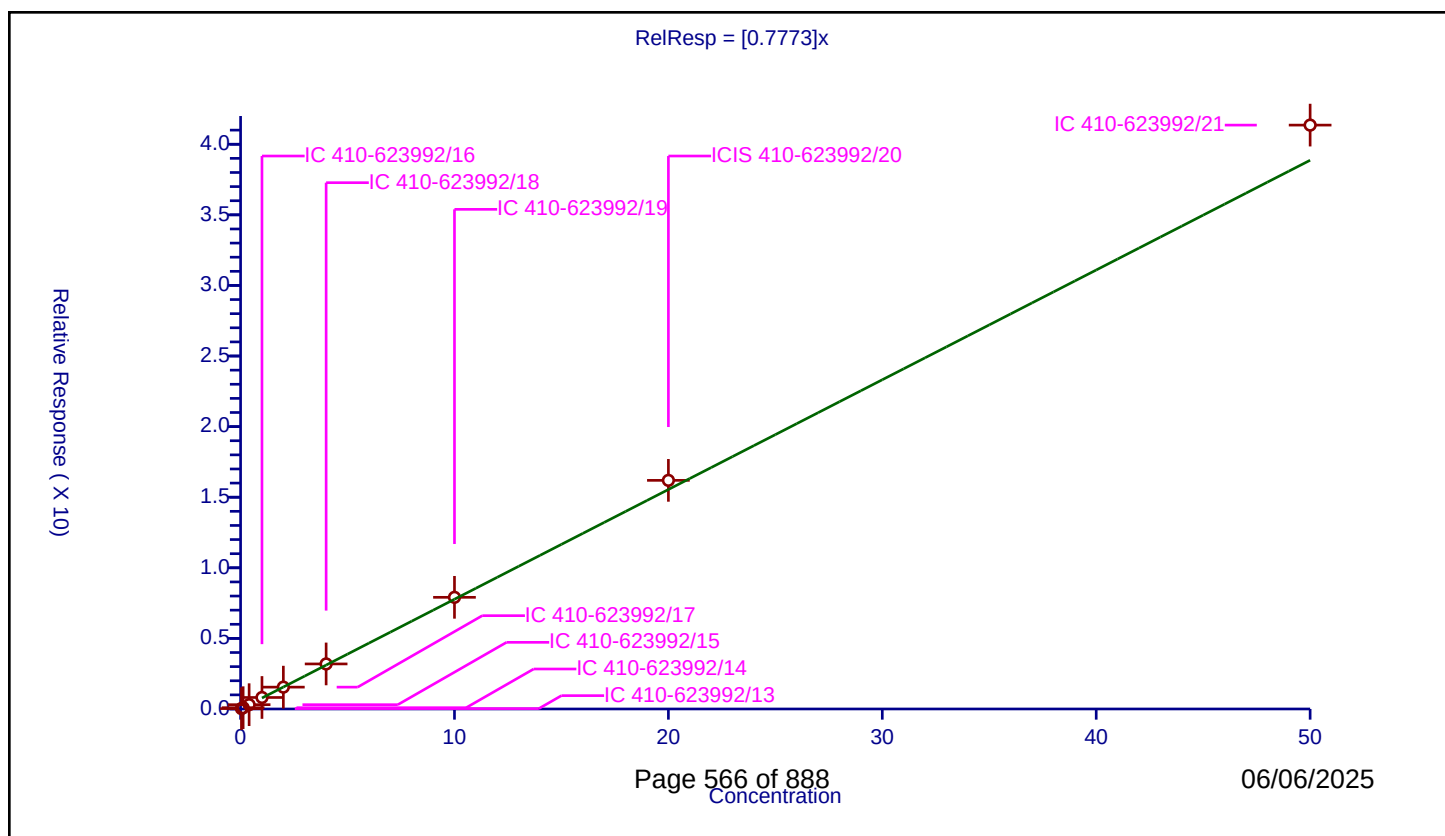
Curve Coefficients

Intercept: 0
Slope: 0.7773

Error Coefficients

Relative Standard Deviation: 6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.04	0.02653	10.0	1405222.0	0.66324	Y
2	IC 410-623992/14	0.12	0.090829	10.0	1401748.0	0.756912	Y
3	IC 410-623992/15	0.4	0.304461	10.0	1439661.0	0.761151	Y
4	IC 410-623992/16	1.0	0.814751	10.0	1446725.0	0.814751	Y
5	IC 410-623992/17	2.0	1.548781	10.0	1431171.0	0.77439	Y
6	IC 410-623992/18	4.0	3.1908	10.0	1437185.0	0.7977	Y
7	IC 410-623992/19	10.0	7.908914	10.0	1467773.0	0.790891	Y
8	ICIS 410-623992/20	20.0	16.193704	10.0	1458607.0	0.809685	Y
9	IC 410-623992/21	50.0	41.355492	10.0	1510883.0	0.82711	Y



Calibration

/ o-Xylene

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

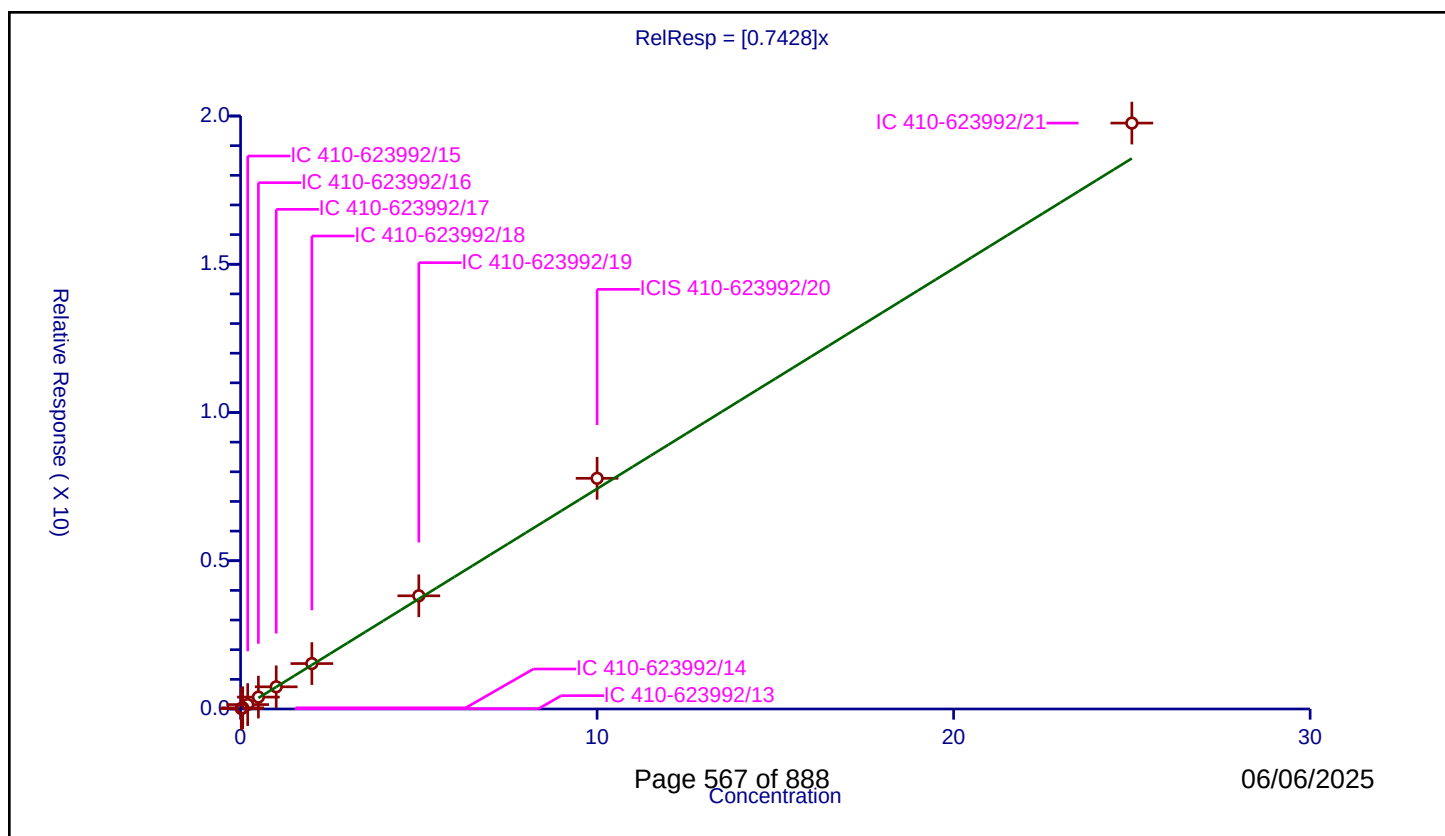
Curve Coefficients

Intercept: 0
Slope: 0.7428

Error Coefficients

Relative Standard Deviation: 7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.012482	10.0	1405222.0	0.624101	Y
2	IC 410-623992/14	0.06	0.040164	10.0	1401748.0	0.669402	Y
3	IC 410-623992/15	0.2	0.148695	10.0	1439661.0	0.743474	Y
4	IC 410-623992/16	0.5	0.401203	10.0	1446725.0	0.802405	Y
5	IC 410-623992/17	1.0	0.747863	10.0	1431171.0	0.747863	Y
6	IC 410-623992/18	2.0	1.53187	10.0	1437185.0	0.765935	Y
7	IC 410-623992/19	5.0	3.817661	10.0	1467773.0	0.763532	Y
8	ICIS 410-623992/20	10.0	7.780225	10.0	1458607.0	0.778022	Y
9	IC 410-623992/21	25.0	19.761259	10.0	1510883.0	0.79045	Y



Calibration

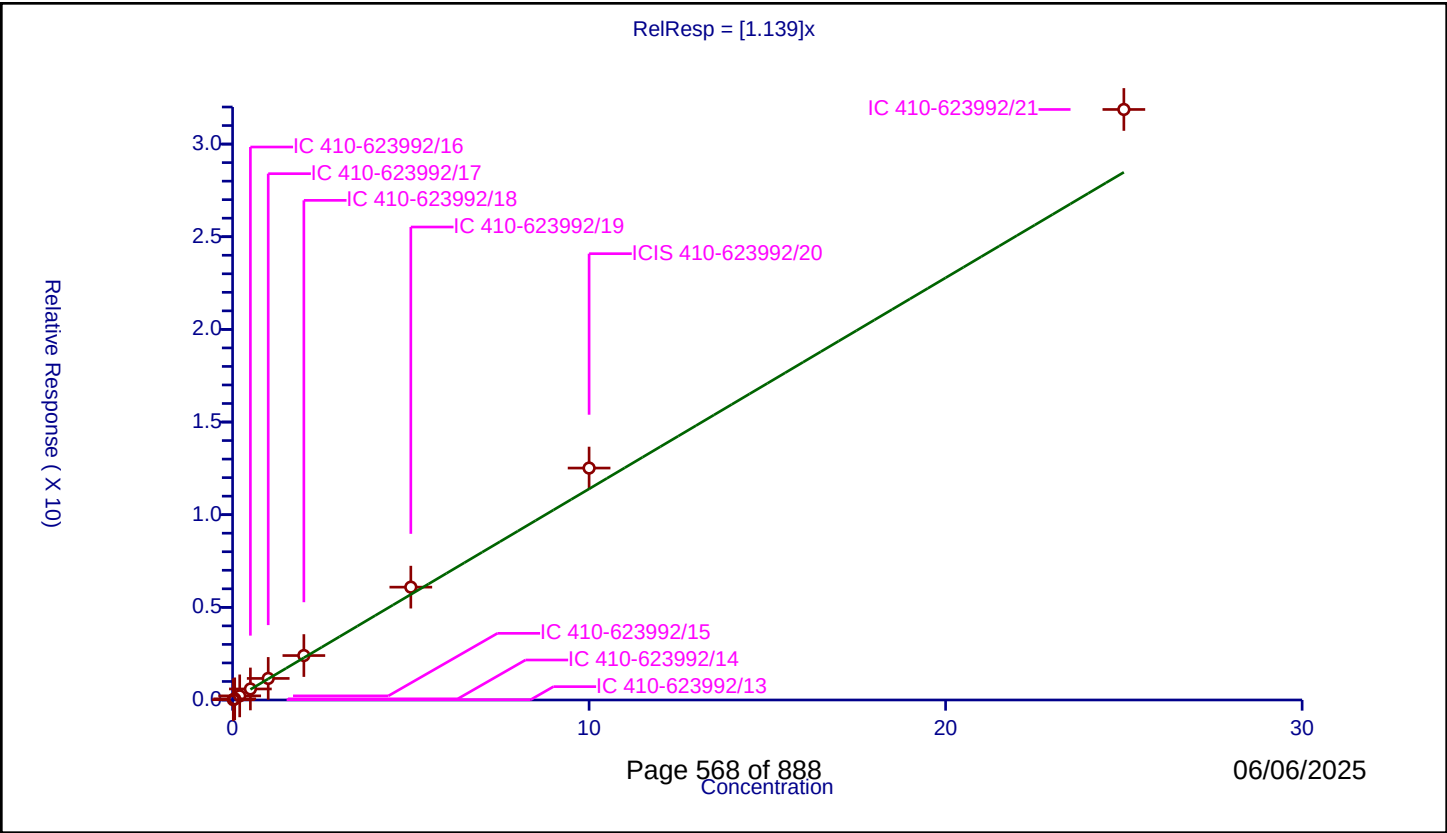
/ Styrene

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

Curve Coefficients	
Intercept:	0
Slope:	1.139
Error Coefficients	

Relative Standard Deviation: 12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.015891	10.0	1405222.0	0.794536	Y
2	IC 410-623992/14	0.06	0.062872	10.0	1401748.0	1.047858	Y
3	IC 410-623992/15	0.2	0.222365	10.0	1439661.0	1.111824	Y
4	IC 410-623992/16	0.5	0.595683	10.0	1446725.0	1.191367	Y
5	IC 410-623992/17	1.0	1.163579	10.0	1431171.0	1.163579	Y
6	IC 410-623992/18	2.0	2.398306	10.0	1437185.0	1.199153	Y
7	IC 410-623992/19	5.0	6.089327	10.0	1467773.0	1.217865	Y
8	ICIS 410-623992/20	10.0	12.515804	10.0	1458607.0	1.25158	Y
9	IC 410-623992/21	25.0	31.867795	10.0	1510883.0	1.274712	Y



Calibration

/ Bromoform

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

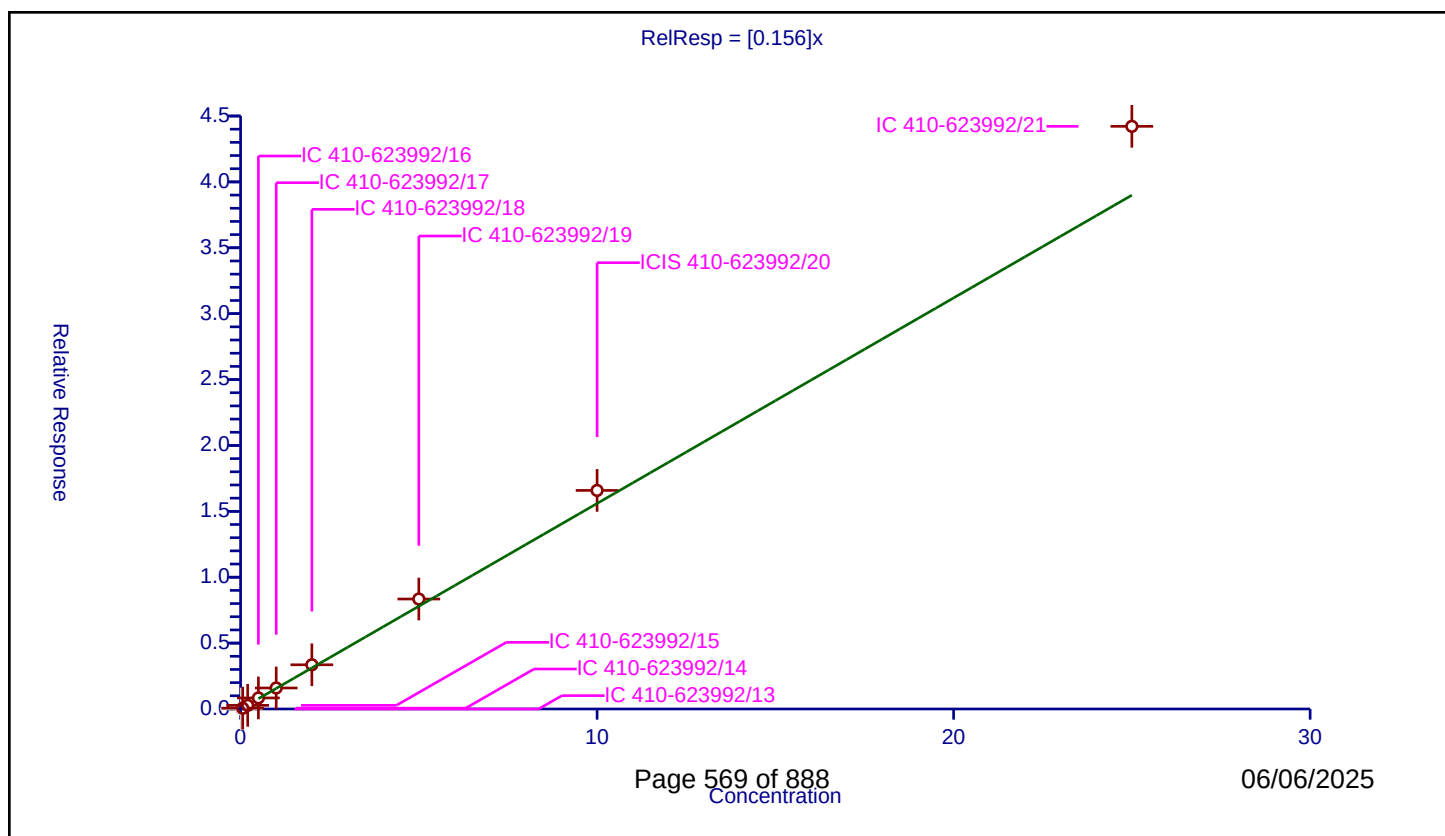
Curve Coefficients

Intercept: 0
Slope: 0.156

Error Coefficients

Relative Standard Deviation: 15.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.0	10.0	1405222.0	0.0	N
2	IC 410-623992/14	0.06	0.006328	10.0	1401748.0	0.105464	Y
3	IC 410-623992/15	0.2	0.027534	10.0	1439661.0	0.137671	Y
4	IC 410-623992/16	0.5	0.083914	10.0	1446725.0	0.167827	Y
5	IC 410-623992/17	1.0	0.159436	10.0	1431171.0	0.159436	Y
6	IC 410-623992/18	2.0	0.335399	10.0	1437185.0	0.167699	Y
7	IC 410-623992/19	5.0	0.834543	10.0	1467773.0	0.166909	Y
8	ICIS 410-623992/20	10.0	1.658672	10.0	1458607.0	0.165867	Y
9	IC 410-623992/21	25.0	4.4216	10.0	1510883.0	0.176864	Y



Calibration

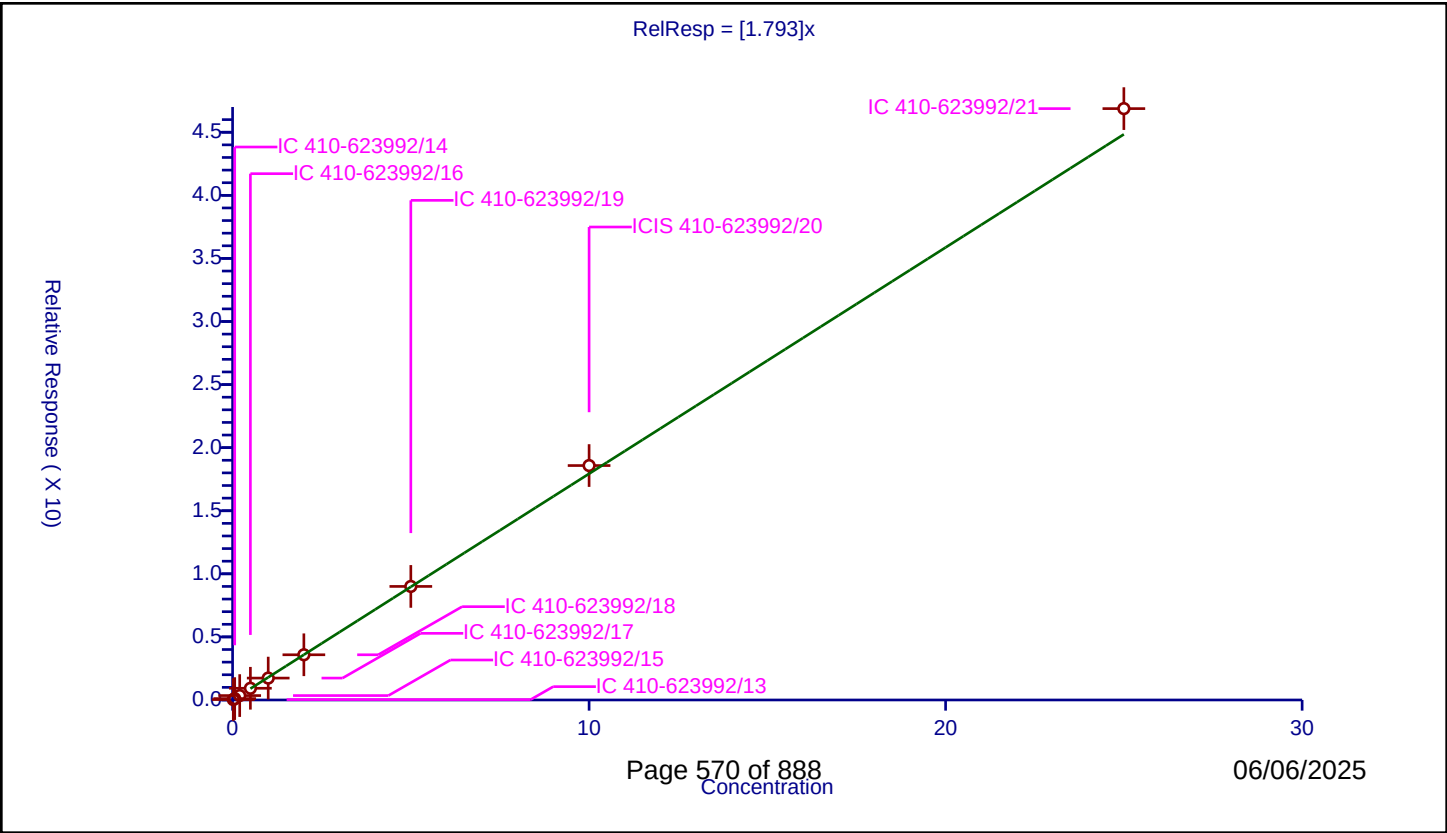
/ Isopropylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.793
Error Coefficients	

Relative Standard Deviation: 4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.032664	10.0	1405222.0	1.633194	Y
2	IC 410-623992/14	0.06	0.110148	10.0	1401748.0	1.835803	Y
3	IC 410-623992/15	0.2	0.350805	10.0	1439661.0	1.754024	Y
4	IC 410-623992/16	0.5	0.928234	10.0	1446725.0	1.856469	Y
5	IC 410-623992/17	1.0	1.736466	10.0	1431171.0	1.736466	Y
6	IC 410-623992/18	2.0	3.582684	10.0	1437185.0	1.791342	Y
7	IC 410-623992/19	5.0	9.001038	10.0	1467773.0	1.800208	Y
8	ICIS 410-623992/20	10.0	18.581578	10.0	1458607.0	1.858158	Y
9	IC 410-623992/21	25.0	46.873418	10.0	1510883.0	1.874937	Y



Calibration

/ 4-Bromofluorobenzene (Surr)

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

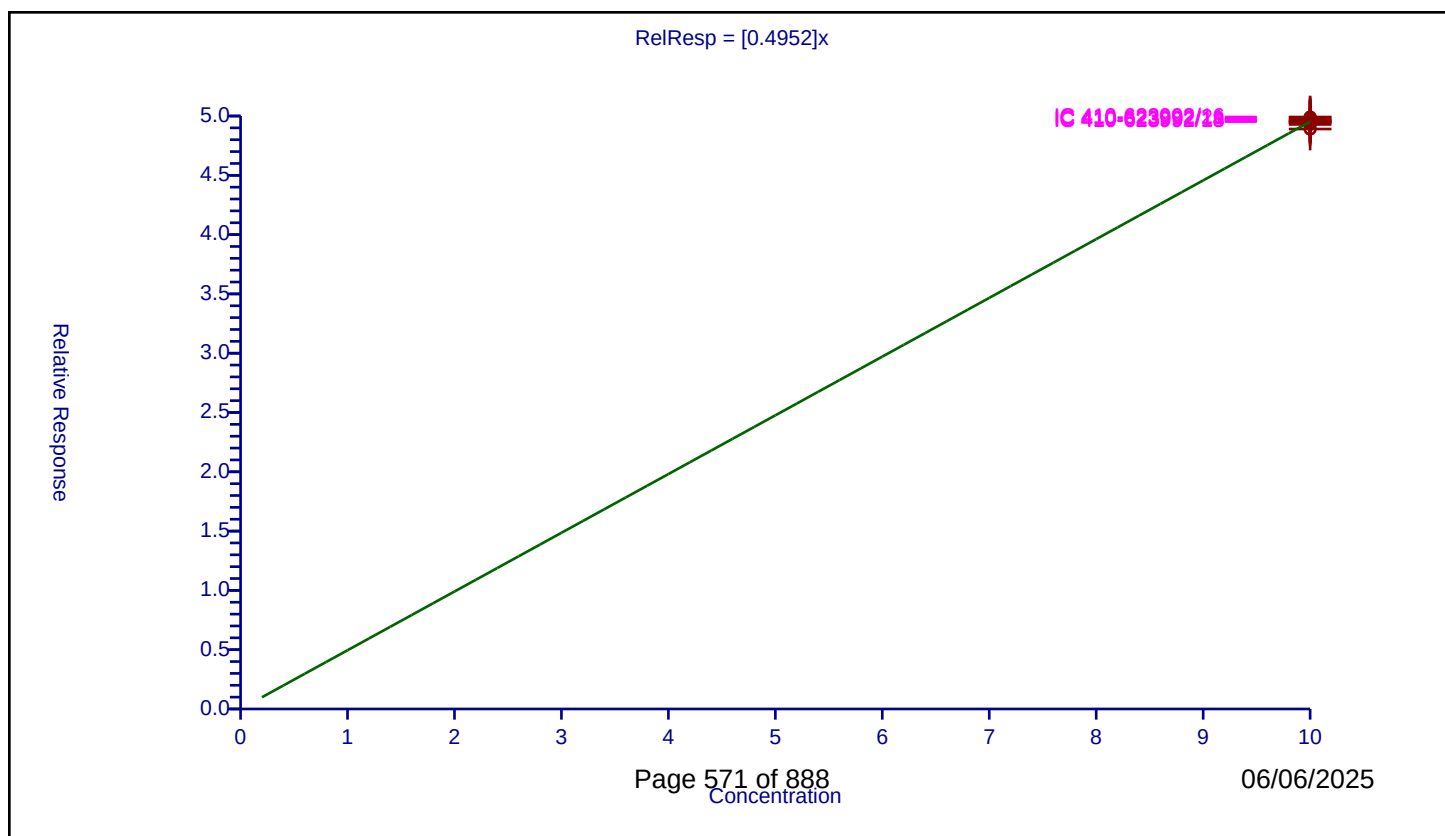
Curve Coefficients

Intercept: 0
Slope: 0.4952

Error Coefficients

Relative Standard Deviation: 0.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/21	10.0	4.983397	10.0	1510883.0	0.49834	Y
2	ICIS 410-623992/20	10.0	4.928709	10.0	1458607.0	0.492871	Y
3	IC 410-623992/19	10.0	4.950854	10.0	1467773.0	0.495085	Y
4	IC 410-623992/18	10.0	4.964803	10.0	1437185.0	0.49648	Y
5	IC 410-623992/17	10.0	4.94342	10.0	1431171.0	0.494342	Y
6	IC 410-623992/16	10.0	4.99137	10.0	1446725.0	0.499137	Y
7	IC 410-623992/15	10.0	4.890193	10.0	1439661.0	0.489019	Y
8	IC 410-623992/14	10.0	4.964637	10.0	1401748.0	0.496464	Y
9	IC 410-623992/13	10.0	4.952797	10.0	1405222.0	0.49528	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

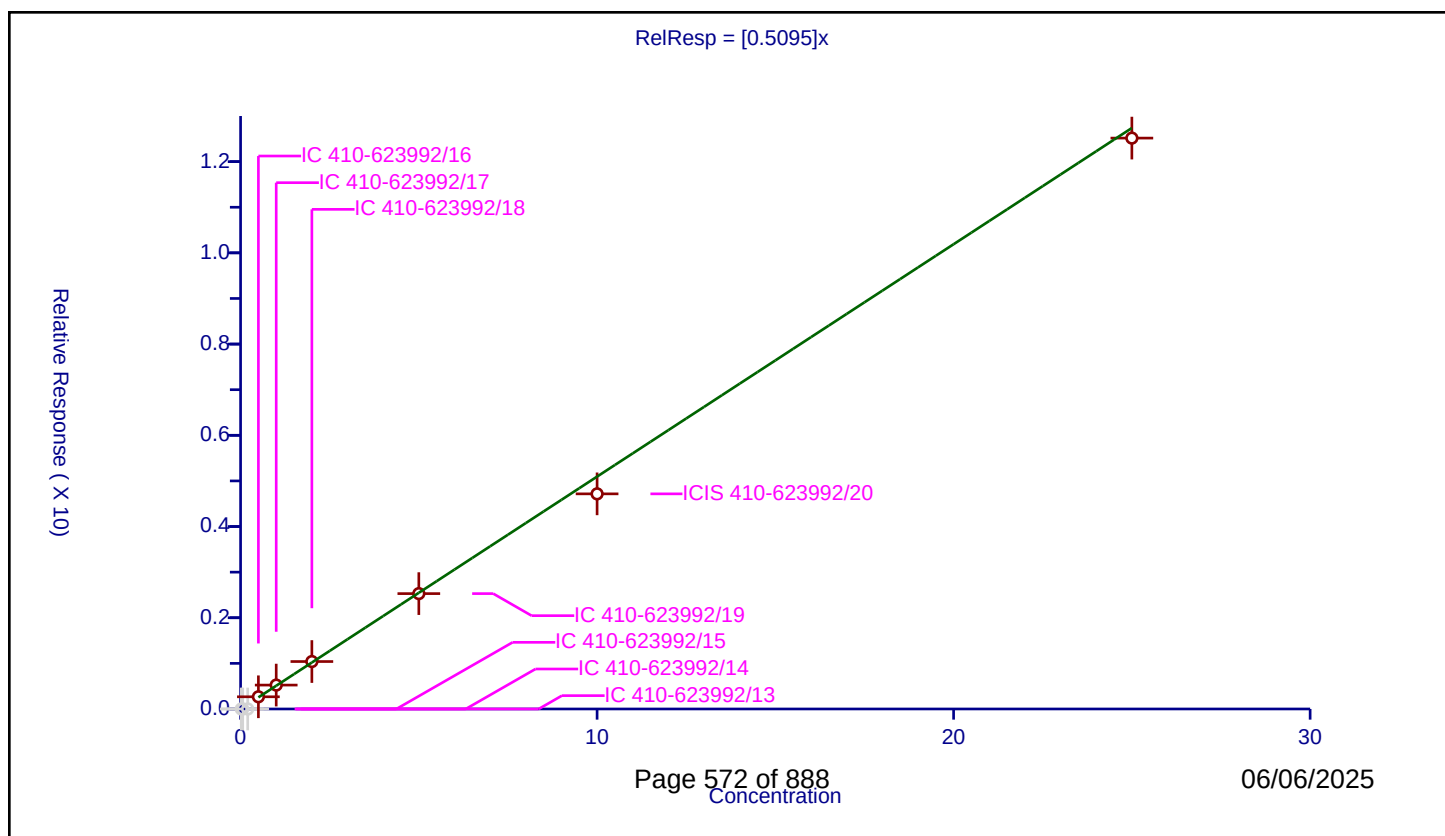
Curve Coefficients

Intercept: 0
Slope: 0.5095

Error Coefficients

Relative Standard Deviation: 4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.0	10.0	743425.0	0.0	N
2	IC 410-623992/14	0.06	0.0	10.0	750682.0	0.0	N
3	IC 410-623992/15	0.2	0.0	10.0	765014.0	0.0	N
4	IC 410-623992/16	0.5	0.26724	10.0	769122.0	0.53448	Y
5	IC 410-623992/17	1.0	0.524185	10.0	763700.0	0.524185	Y
6	IC 410-623992/18	2.0	1.040074	10.0	758619.0	0.520037	Y
7	IC 410-623992/19	5.0	2.529153	10.0	782167.0	0.505831	Y
8	ICIS 410-623992/20	10.0	4.716254	10.0	791747.0	0.471625	Y
9	IC 410-623992/21	25.0	12.515849	10.0	829879.0	0.500634	Y



Calibration

/ Bromobenzene

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

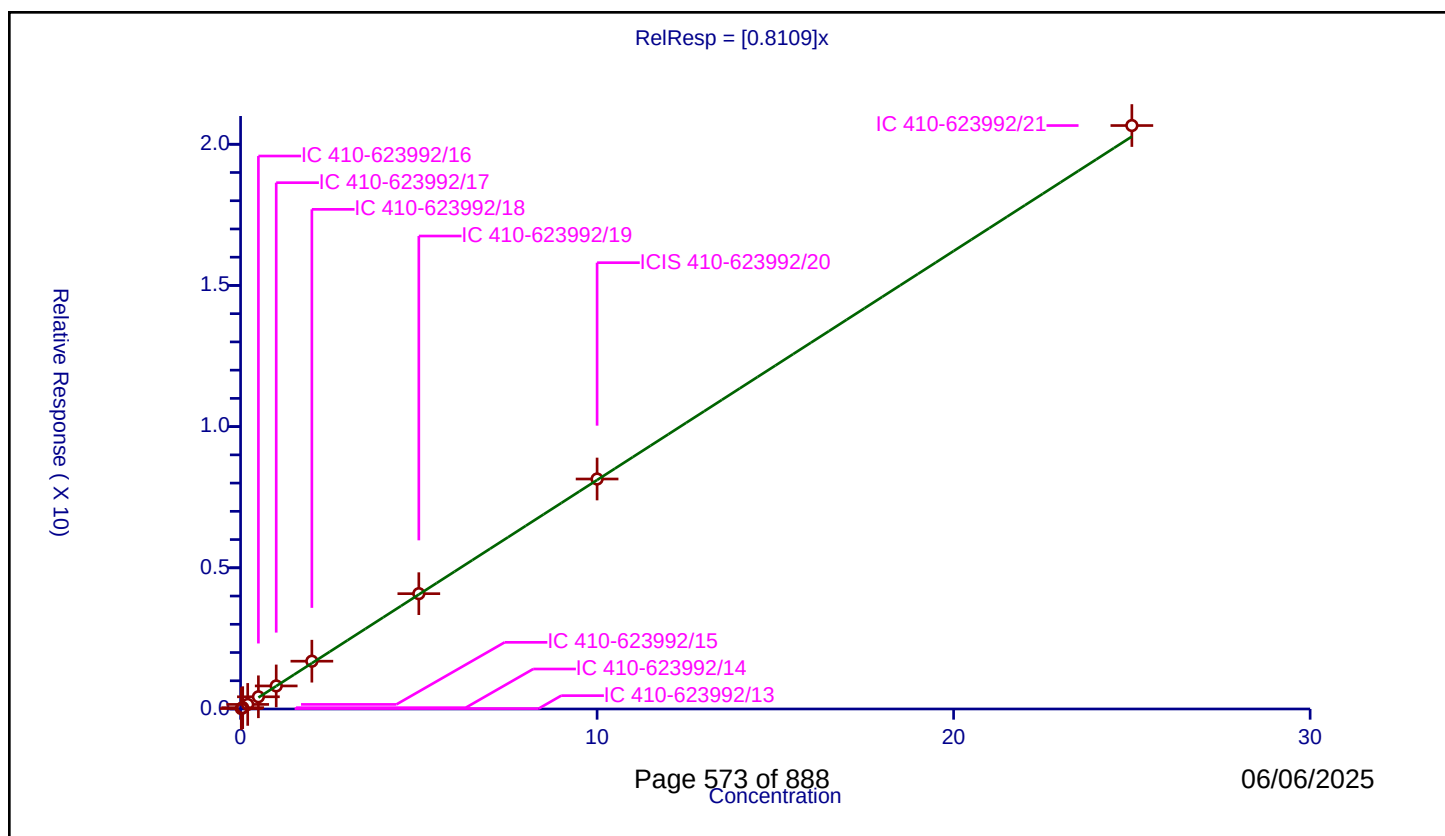
Curve Coefficients

Intercept: 0
Slope: 0.8109

Error Coefficients

Relative Standard Deviation: 4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.014675	10.0	743425.0	0.733766	Y
2	IC 410-623992/14	0.06	0.046358	10.0	750682.0	0.772631	Y
3	IC 410-623992/15	0.2	0.161526	10.0	765014.0	0.807632	Y
4	IC 410-623992/16	0.5	0.431921	10.0	769122.0	0.863842	Y
5	IC 410-623992/17	1.0	0.816237	10.0	763700.0	0.816237	Y
6	IC 410-623992/18	2.0	1.692655	10.0	758619.0	0.846327	Y
7	IC 410-623992/19	5.0	4.084013	10.0	782167.0	0.816803	Y
8	ICIS 410-623992/20	10.0	8.145102	10.0	791747.0	0.81451	Y
9	IC 410-623992/21	25.0	20.662687	10.0	829879.0	0.826507	Y



Calibration

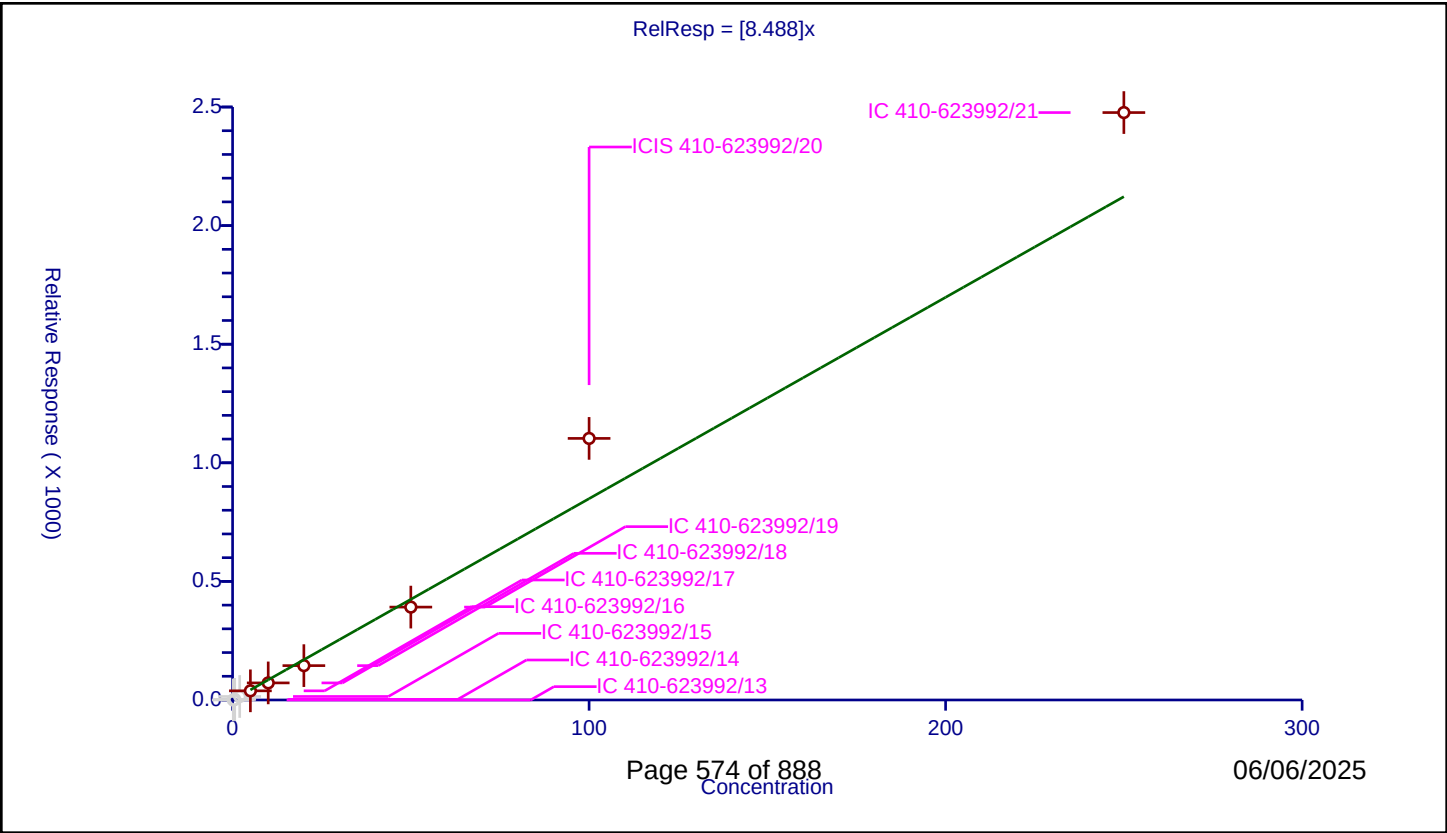
/ trans-1,4-Dichloro-2-butene

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

Curve Coefficients	
Intercept:	0
Slope:	8.488
Error Coefficients	

Relative Standard Deviation: 18.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.2	0.083109	50.0	67983.0	0.415545	N
2	IC 410-623992/14	0.6	2.677748	50.0	69368.0	4.462913	N
3	IC 410-623992/15	2.0	14.746076	50.0	55174.0	7.373038	N
4	IC 410-623992/16	5.0	38.584651	50.0	62232.0	7.71693	Y
5	IC 410-623992/17	10.0	72.008455	50.0	62685.0	7.200845	Y
6	IC 410-623992/18	20.0	144.867174	50.0	66026.0	7.243359	Y
7	IC 410-623992/19	50.0	391.649768	50.0	62136.0	7.832995	Y
8	ICIS 410-623992/20	100.0	1102.803283	50.0	42040.0	11.028033	Y
9	IC 410-623992/21	250.0	2476.638593	50.0	53430.0	9.906554	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

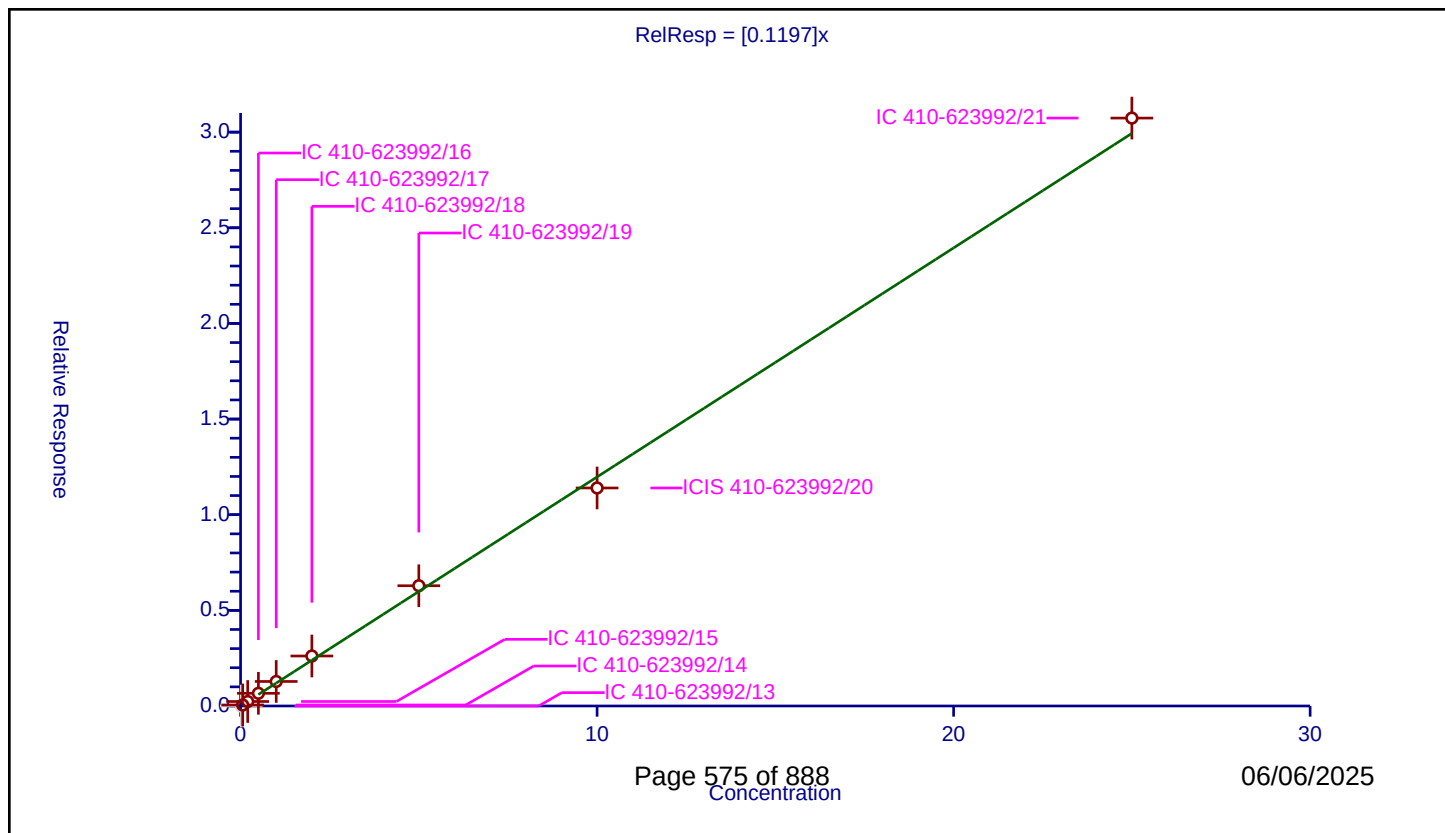
Curve Coefficients

Intercept: 0
 Slope: 0.1197

Error Coefficients

Relative Standard Deviation: 12.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.0	10.0	743425.0	0.0	N
2	IC 410-623992/14	0.06	0.005195	10.0	750682.0	0.086588	Y
3	IC 410-623992/15	0.2	0.023451	10.0	765014.0	0.117253	Y
4	IC 410-623992/16	0.5	0.066322	10.0	769122.0	0.132645	Y
5	IC 410-623992/17	1.0	0.128139	10.0	763700.0	0.128139	Y
6	IC 410-623992/18	2.0	0.261291	10.0	758619.0	0.130645	Y
7	IC 410-623992/19	5.0	0.628638	10.0	782167.0	0.125728	Y
8	ICIS 410-623992/20	10.0	1.139809	10.0	791747.0	0.113981	Y
9	IC 410-623992/21	25.0	3.07346	10.0	829879.0	0.122938	Y



Calibration

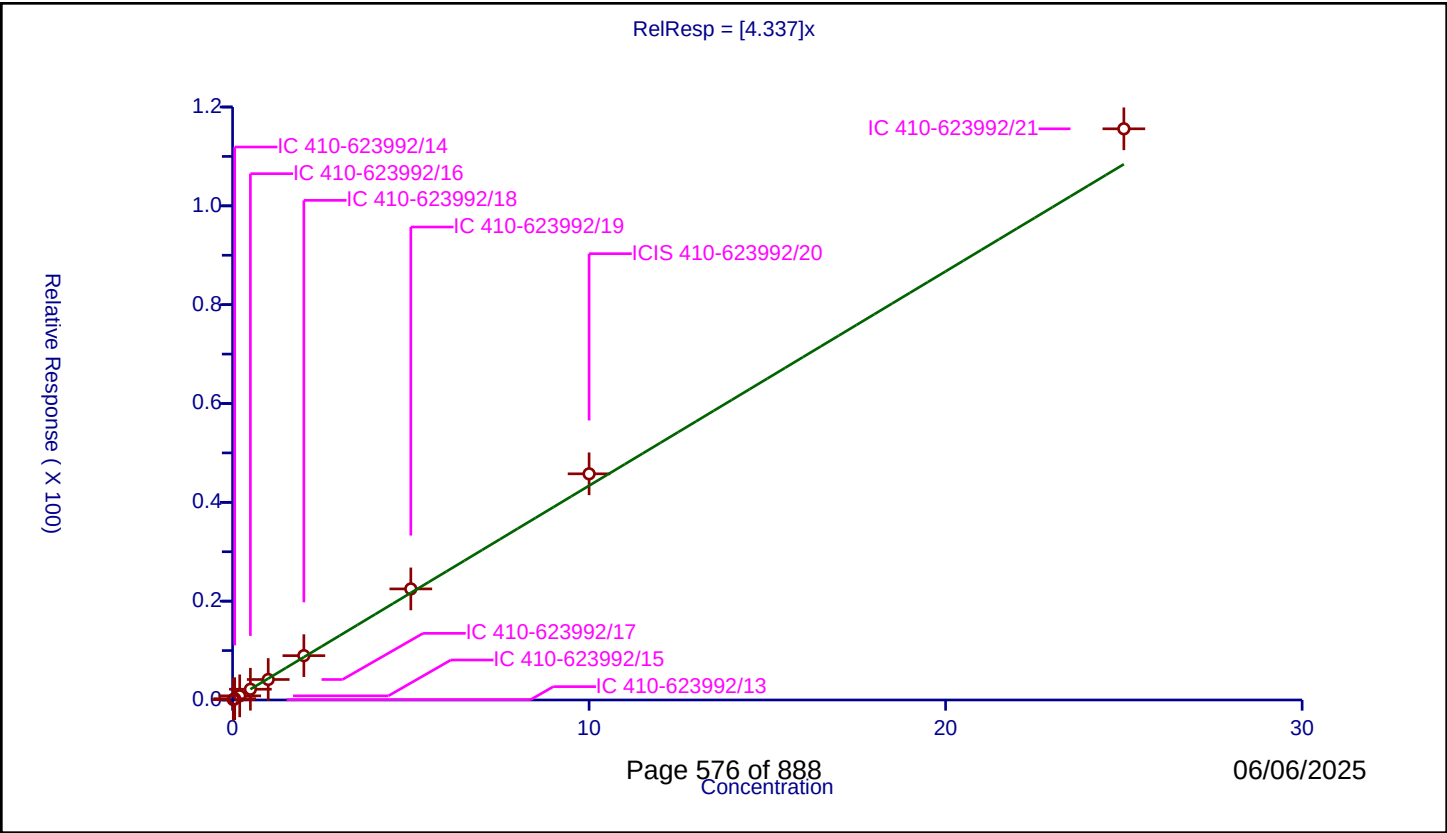
/ N-Propylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	4.337
Error Coefficients	

Relative Standard Deviation: 6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.075394	10.0	743425.0	3.769714	Y
2	IC 410-623992/14	0.06	0.262042	10.0	750682.0	4.367362	Y
3	IC 410-623992/15	0.2	0.841004	10.0	765014.0	4.205021	Y
4	IC 410-623992/16	0.5	2.179927	10.0	769122.0	4.359854	Y
5	IC 410-623992/17	1.0	4.147257	10.0	763700.0	4.147257	Y
6	IC 410-623992/18	2.0	8.973305	10.0	758619.0	4.486653	Y
7	IC 410-623992/19	5.0	22.476952	10.0	782167.0	4.49539	Y
8	ICIS 410-623992/20	10.0	45.769772	10.0	791747.0	4.576977	Y
9	IC 410-623992/21	25.0	115.59114	10.0	829879.0	4.623646	Y



Calibration

/ 2-Chlorotoluene

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

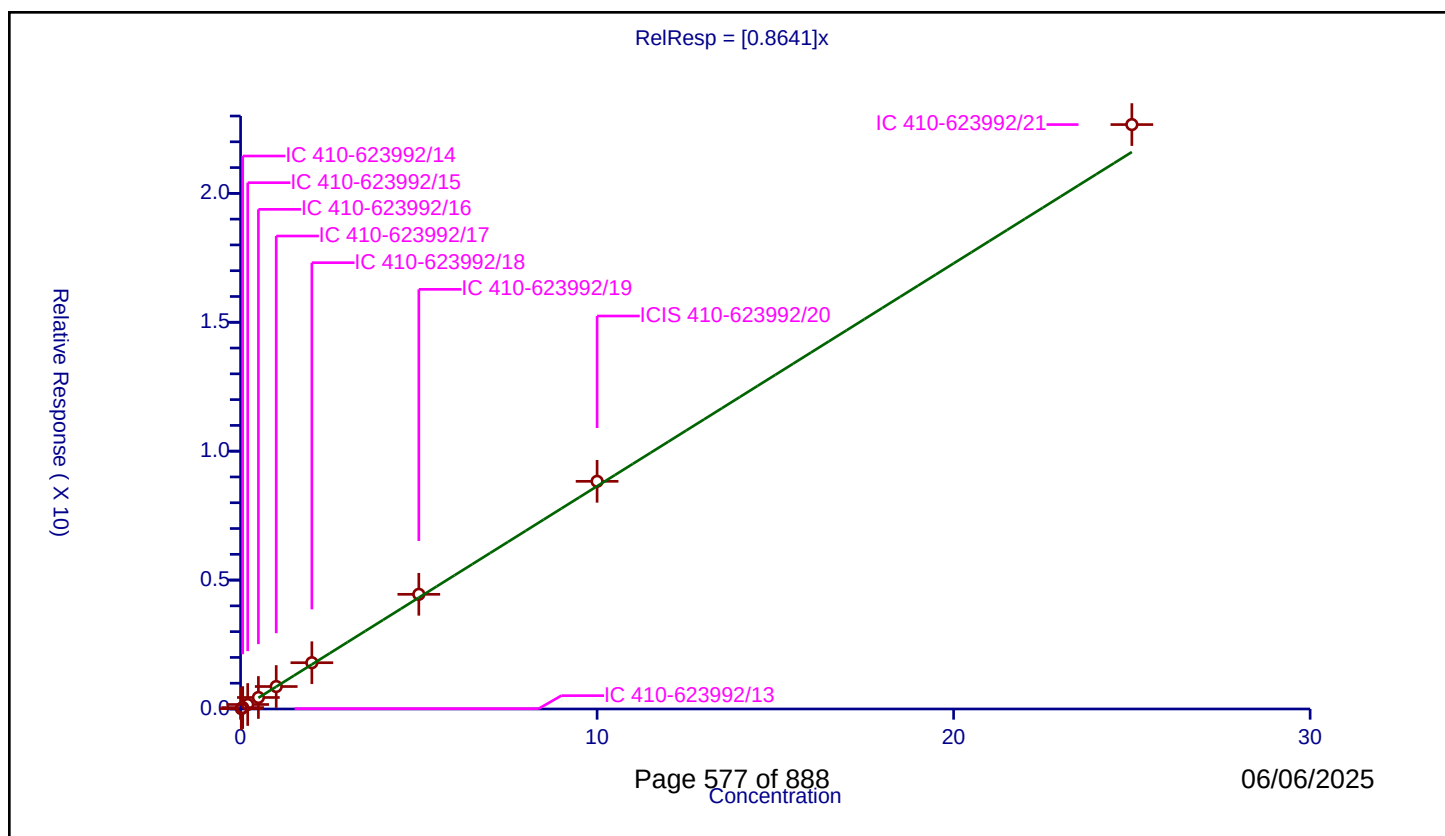
Curve Coefficients

Intercept: 0
 Slope: 0.8641

Error Coefficients

Relative Standard Deviation: 10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.012765	10.0	743425.0	0.638262	Y
2	IC 410-623992/14	0.06	0.055696	10.0	750682.0	0.928267	Y
3	IC 410-623992/15	0.2	0.173762	10.0	765014.0	0.868808	Y
4	IC 410-623992/16	0.5	0.446626	10.0	769122.0	0.893252	Y
5	IC 410-623992/17	1.0	0.871717	10.0	763700.0	0.871717	Y
6	IC 410-623992/18	2.0	1.795275	10.0	758619.0	0.897638	Y
7	IC 410-623992/19	5.0	4.448117	10.0	782167.0	0.889623	Y
8	ICIS 410-623992/20	10.0	8.830397	10.0	791747.0	0.88304	Y
9	IC 410-623992/21	25.0	22.667533	10.0	829879.0	0.906701	Y



Calibration

/ 1,3,5-Trimethylbenzene

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

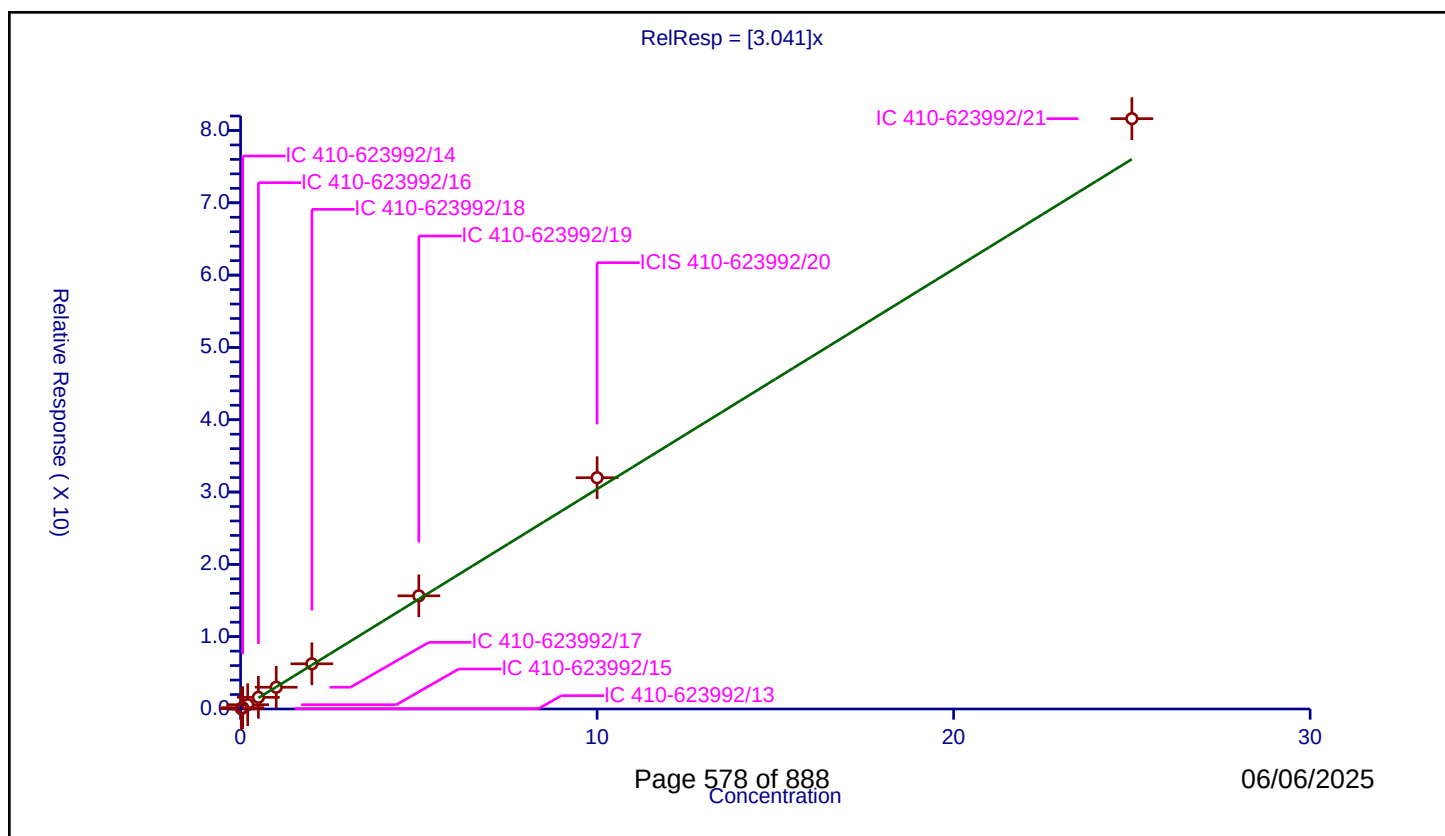
Curve Coefficients

Intercept: 0
Slope: 3.041

Error Coefficients

Relative Standard Deviation: 9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.046958	10.0	743425.0	2.347917	Y
2	IC 410-623992/14	0.06	0.18695	10.0	750682.0	3.115833	Y
3	IC 410-623992/15	0.2	0.59059	10.0	765014.0	2.952952	Y
4	IC 410-623992/16	0.5	1.613736	10.0	769122.0	3.227472	Y
5	IC 410-623992/17	1.0	3.007686	10.0	763700.0	3.007686	Y
6	IC 410-623992/18	2.0	6.247392	10.0	758619.0	3.123696	Y
7	IC 410-623992/19	5.0	15.649433	10.0	782167.0	3.129887	Y
8	ICIS 410-623992/20	10.0	31.980544	10.0	791747.0	3.198054	Y
9	IC 410-623992/21	25.0	81.635467	10.0	829879.0	3.265419	Y



Calibration

/ 4-Chlorotoluene

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

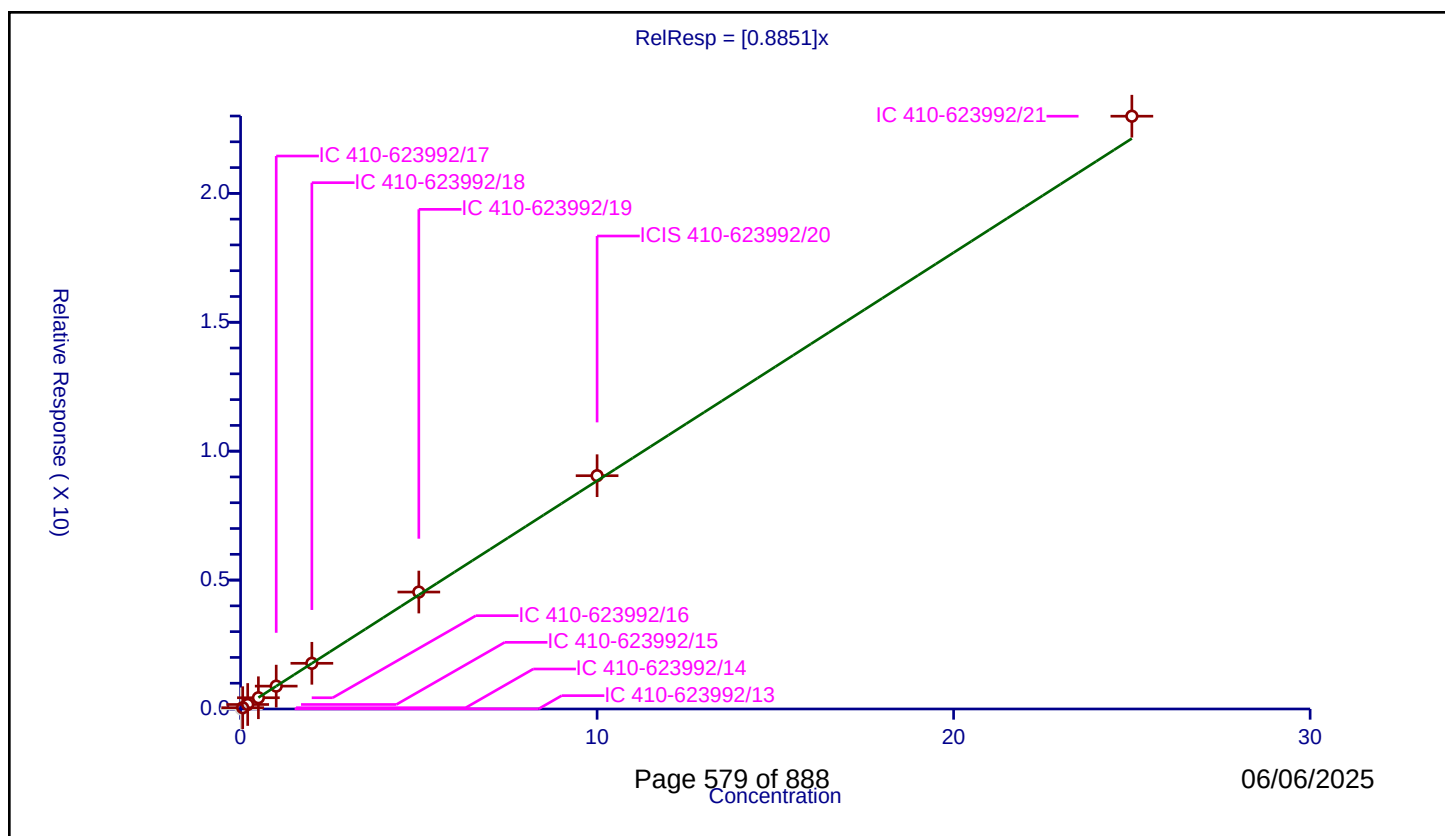
Curve Coefficients

Intercept: 0
Slope: 0.8851

Error Coefficients

Relative Standard Deviation: 3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.005999	10.0	743425.0	0.299963	N
2	IC 410-623992/14	0.06	0.050021	10.0	750682.0	0.833686	Y
3	IC 410-623992/15	0.2	0.174297	10.0	765014.0	0.871487	Y
4	IC 410-623992/16	0.5	0.435549	10.0	769122.0	0.871097	Y
5	IC 410-623992/17	1.0	0.886474	10.0	763700.0	0.886474	Y
6	IC 410-623992/18	2.0	1.772088	10.0	758619.0	0.886044	Y
7	IC 410-623992/19	5.0	4.53632	10.0	782167.0	0.907264	Y
8	ICIS 410-623992/20	10.0	9.048446	10.0	791747.0	0.904845	Y
9	IC 410-623992/21	25.0	22.993123	10.0	829879.0	0.919725	Y



Calibration

/ tert-Butylbenzene

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

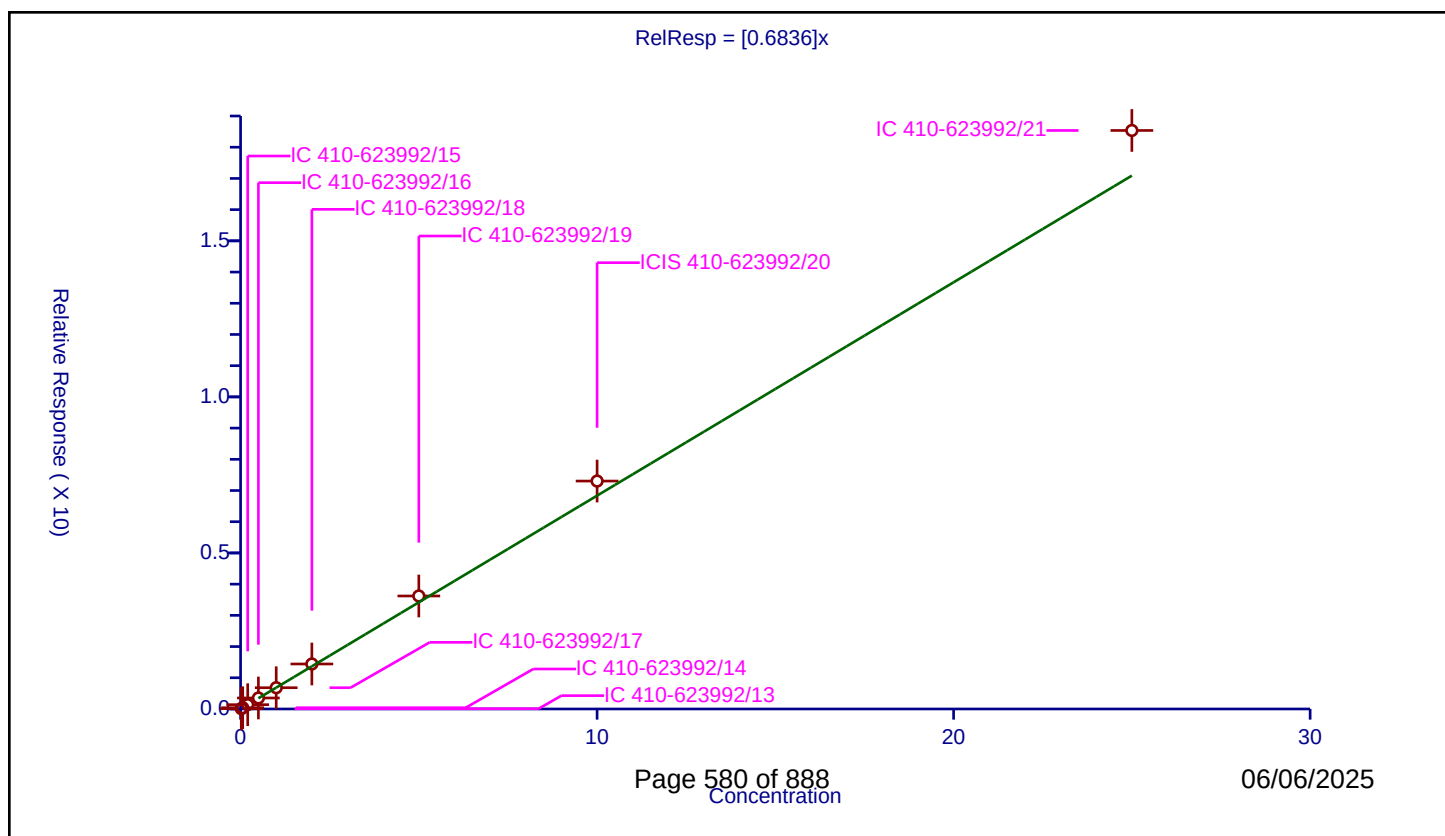
Curve Coefficients

Intercept: 0
Slope: 0.6836

Error Coefficients

Relative Standard Deviation: 11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.009712	10.0	743425.0	0.48559	Y
2	IC 410-623992/14	0.06	0.040297	10.0	750682.0	0.671612	Y
3	IC 410-623992/15	0.2	0.13839	10.0	765014.0	0.691948	Y
4	IC 410-623992/16	0.5	0.352337	10.0	769122.0	0.704674	Y
5	IC 410-623992/17	1.0	0.681446	10.0	763700.0	0.681446	Y
6	IC 410-623992/18	2.0	1.442002	10.0	758619.0	0.721001	Y
7	IC 410-623992/19	5.0	3.620928	10.0	782167.0	0.724186	Y
8	ICIS 410-623992/20	10.0	7.303507	10.0	791747.0	0.730351	Y
9	IC 410-623992/21	25.0	18.536811	10.0	829879.0	0.741472	Y



Calibration

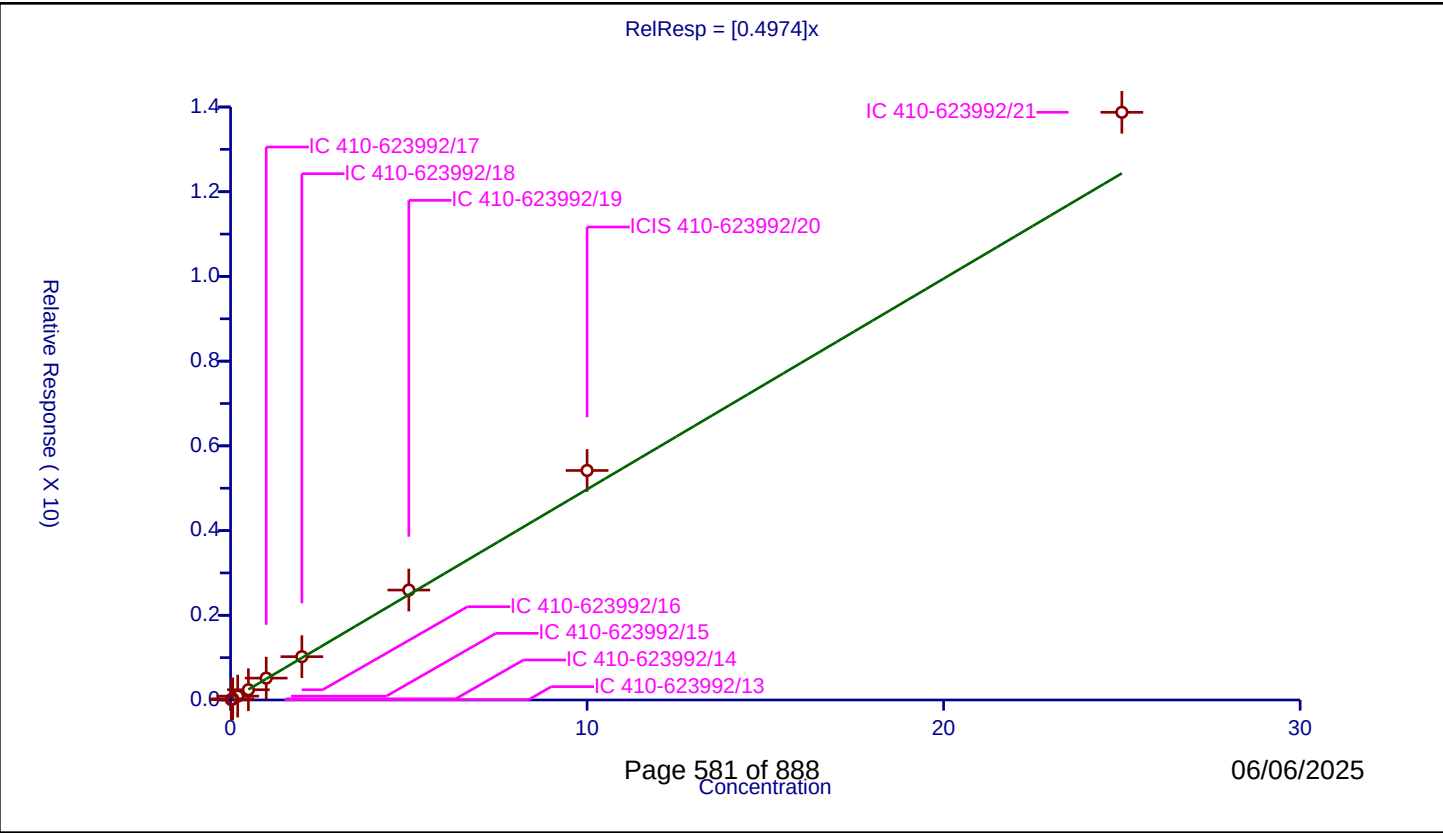
/ Pentachloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4974
Error Coefficients	

Relative Standard Deviation: 8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.008595	10.0	743425.0	0.429768	Y
2	IC 410-623992/14	0.06	0.027748	10.0	750682.0	0.462468	Y
3	IC 410-623992/15	0.2	0.091188	10.0	765014.0	0.455939	Y
4	IC 410-623992/16	0.5	0.24212	10.0	769122.0	0.48424	Y
5	IC 410-623992/17	1.0	0.516747	10.0	763700.0	0.516747	Y
6	IC 410-623992/18	2.0	1.022582	10.0	758619.0	0.511291	Y
7	IC 410-623992/19	5.0	2.5952	10.0	782167.0	0.51904	Y
8	ICIS 410-623992/20	10.0	5.418574	10.0	791747.0	0.541857	Y
9	IC 410-623992/21	25.0	13.875107	10.0	829879.0	0.555004	Y



Calibration

/ 1,2,4-Trimethylbenzene

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

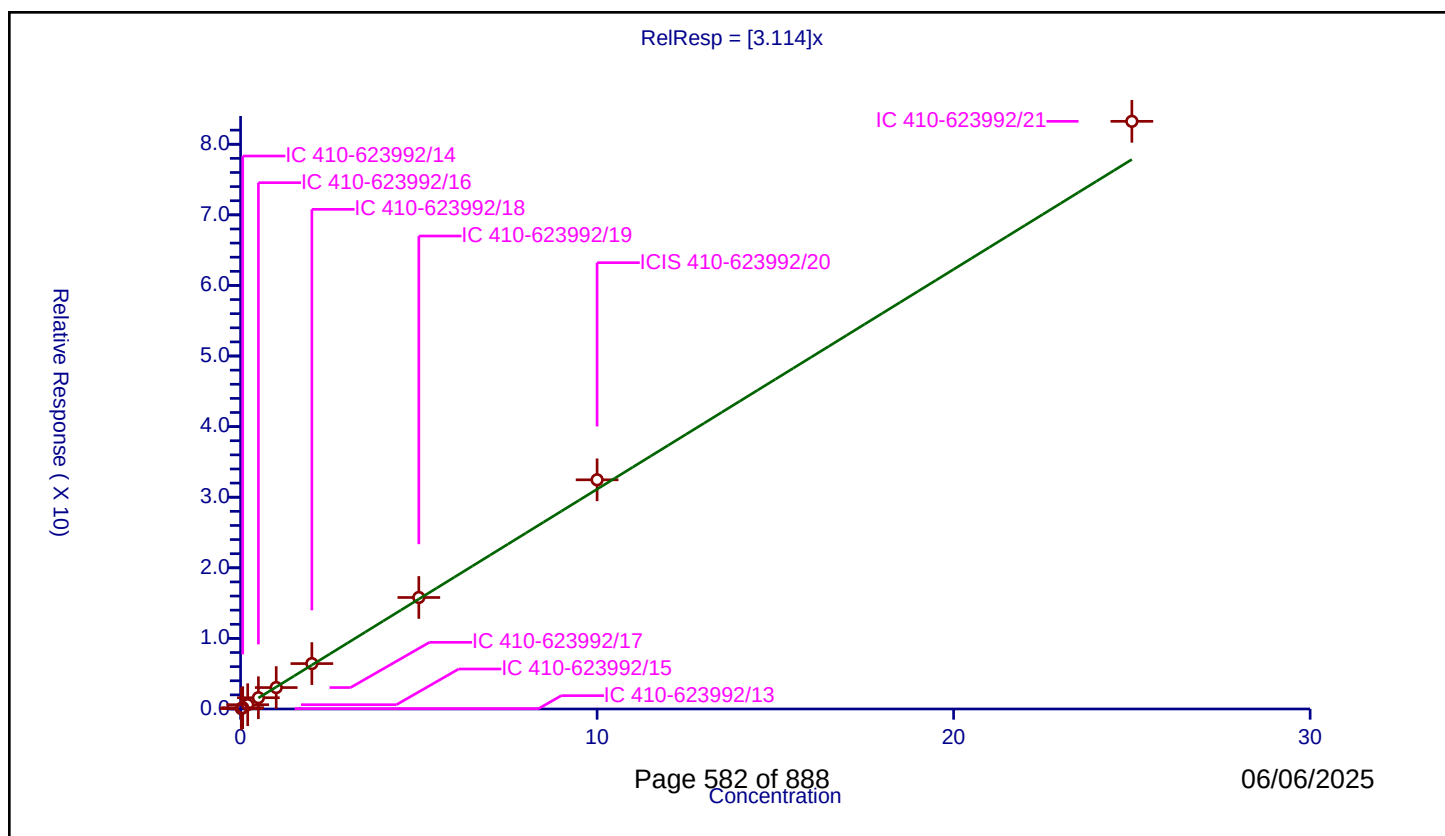
Curve Coefficients

Intercept: 0
Slope: 3.114

Error Coefficients

Relative Standard Deviation: 6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.053482	10.0	743425.0	2.67411	Y
2	IC 410-623992/14	0.06	0.188522	10.0	750682.0	3.142032	Y
3	IC 410-623992/15	0.2	0.605322	10.0	765014.0	3.026611	Y
4	IC 410-623992/16	0.5	1.597692	10.0	769122.0	3.195384	Y
5	IC 410-623992/17	1.0	3.03483	10.0	763700.0	3.03483	Y
6	IC 410-623992/18	2.0	6.432333	10.0	758619.0	3.216166	Y
7	IC 410-623992/19	5.0	15.795259	10.0	782167.0	3.159052	Y
8	ICIS 410-623992/20	10.0	32.464651	10.0	791747.0	3.246465	Y
9	IC 410-623992/21	25.0	83.24951	10.0	829879.0	3.32998	Y



Calibration

/ sec-Butylbenzene

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

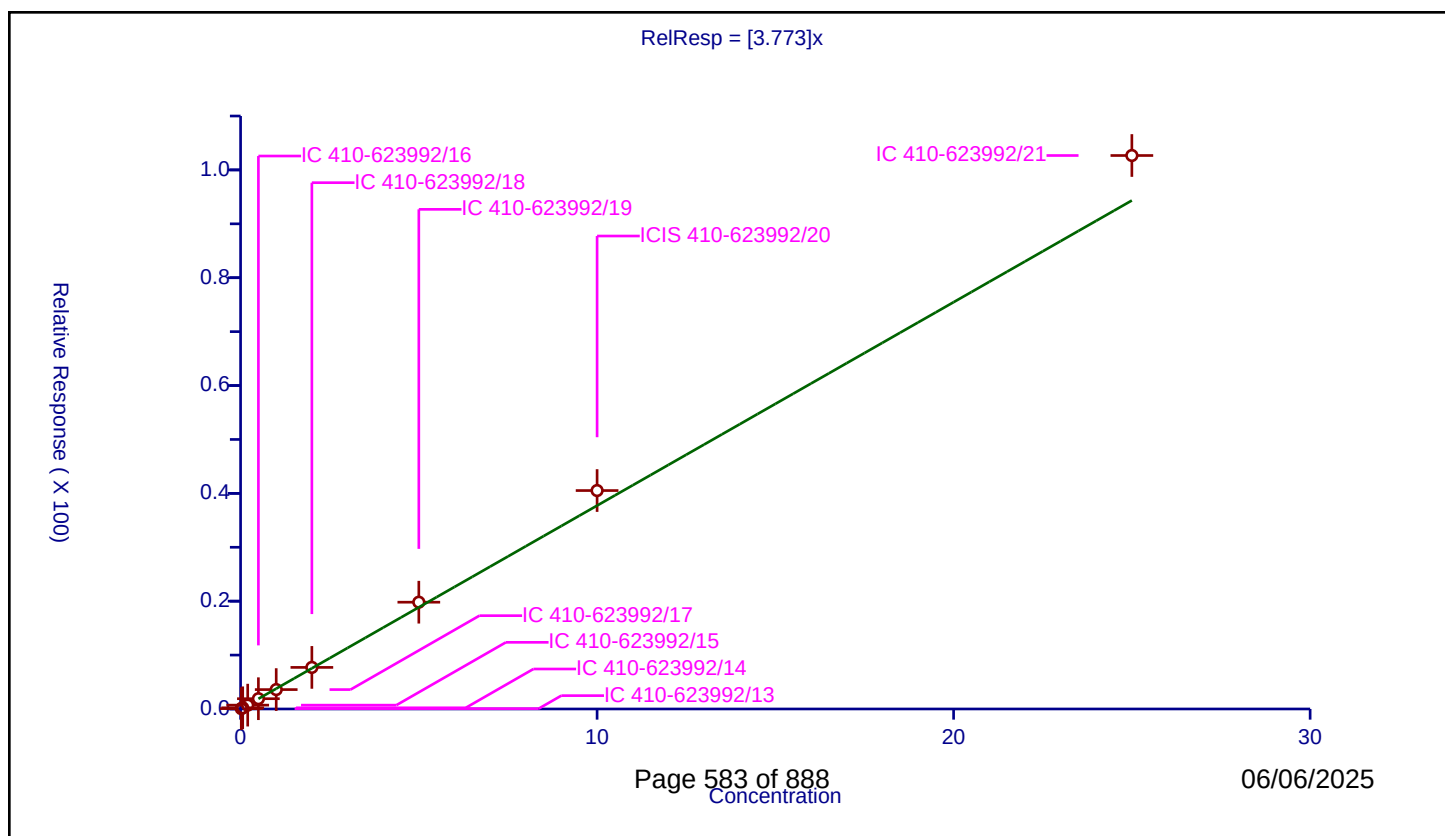
Curve Coefficients

Intercept: 0
Slope: 3.773

Error Coefficients

Relative Standard Deviation: 6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.065736	10.0	743425.0	3.286814	Y
2	IC 410-623992/14	0.06	0.222518	10.0	750682.0	3.708628	Y
3	IC 410-623992/15	0.2	0.71498	10.0	765014.0	3.574902	Y
4	IC 410-623992/16	0.5	1.9075	10.0	769122.0	3.814999	Y
5	IC 410-623992/17	1.0	3.596478	10.0	763700.0	3.596478	Y
6	IC 410-623992/18	2.0	7.713503	10.0	758619.0	3.856752	Y
7	IC 410-623992/19	5.0	19.809312	10.0	782167.0	3.961862	Y
8	ICIS 410-623992/20	10.0	40.520924	10.0	791747.0	4.052092	Y
9	IC 410-623992/21	25.0	102.673558	10.0	829879.0	4.106942	Y



Calibration

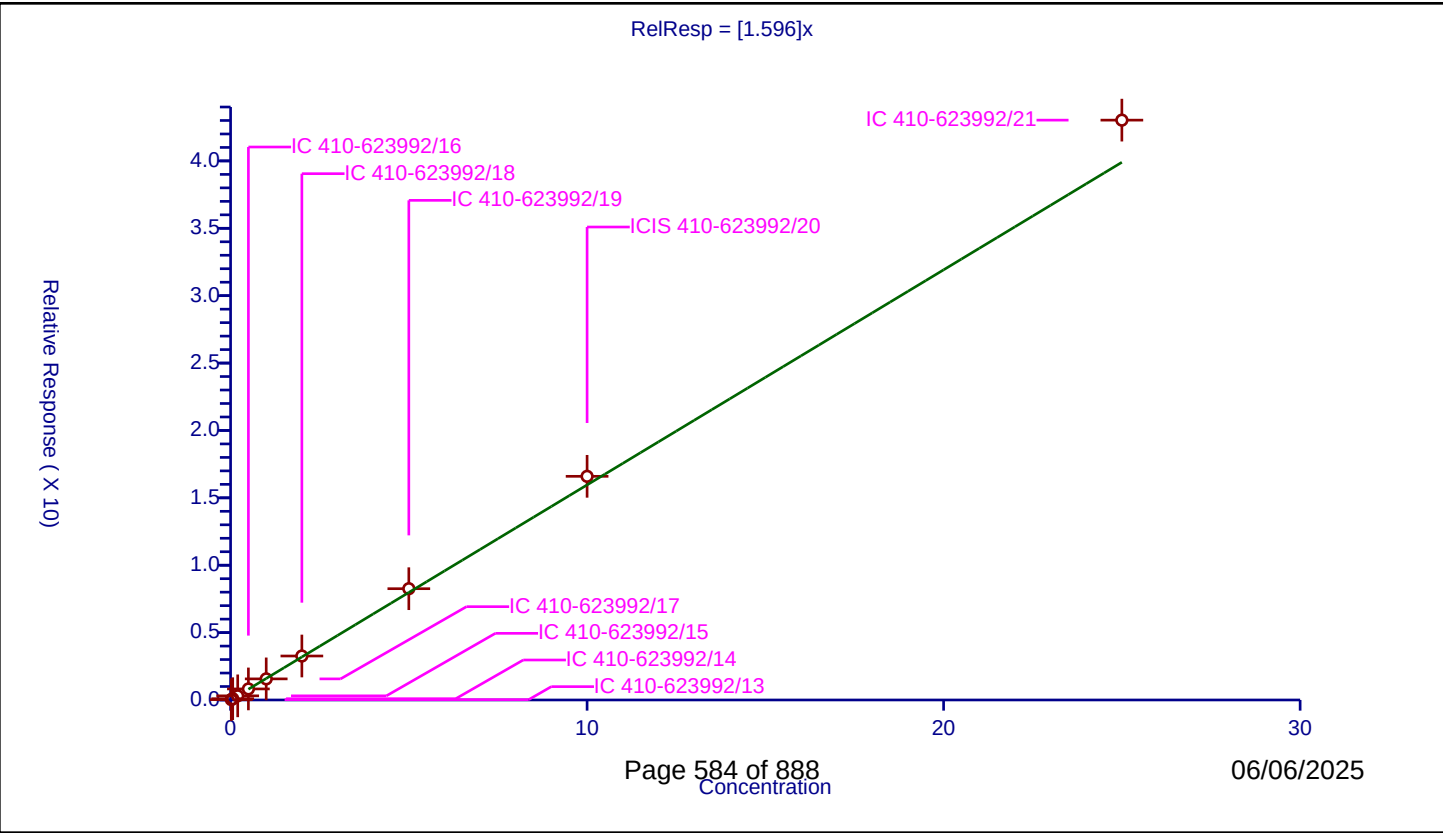
/ 1,3-Dichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.596
Error Coefficients	

Relative Standard Deviation: 6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.027198	10.0	743425.0	1.359922	Y
2	IC 410-623992/14	0.06	0.095686	10.0	750682.0	1.594772	Y
3	IC 410-623992/15	0.2	0.30772	10.0	765014.0	1.538599	Y
4	IC 410-623992/16	0.5	0.820533	10.0	769122.0	1.641066	Y
5	IC 410-623992/17	1.0	1.565222	10.0	763700.0	1.565222	Y
6	IC 410-623992/18	2.0	3.263232	10.0	758619.0	1.631616	Y
7	IC 410-623992/19	5.0	8.257751	10.0	782167.0	1.65155	Y
8	ICIS 410-623992/20	10.0	16.595604	10.0	791747.0	1.65956	Y
9	IC 410-623992/21	25.0	43.026417	10.0	829879.0	1.721057	Y



Calibration

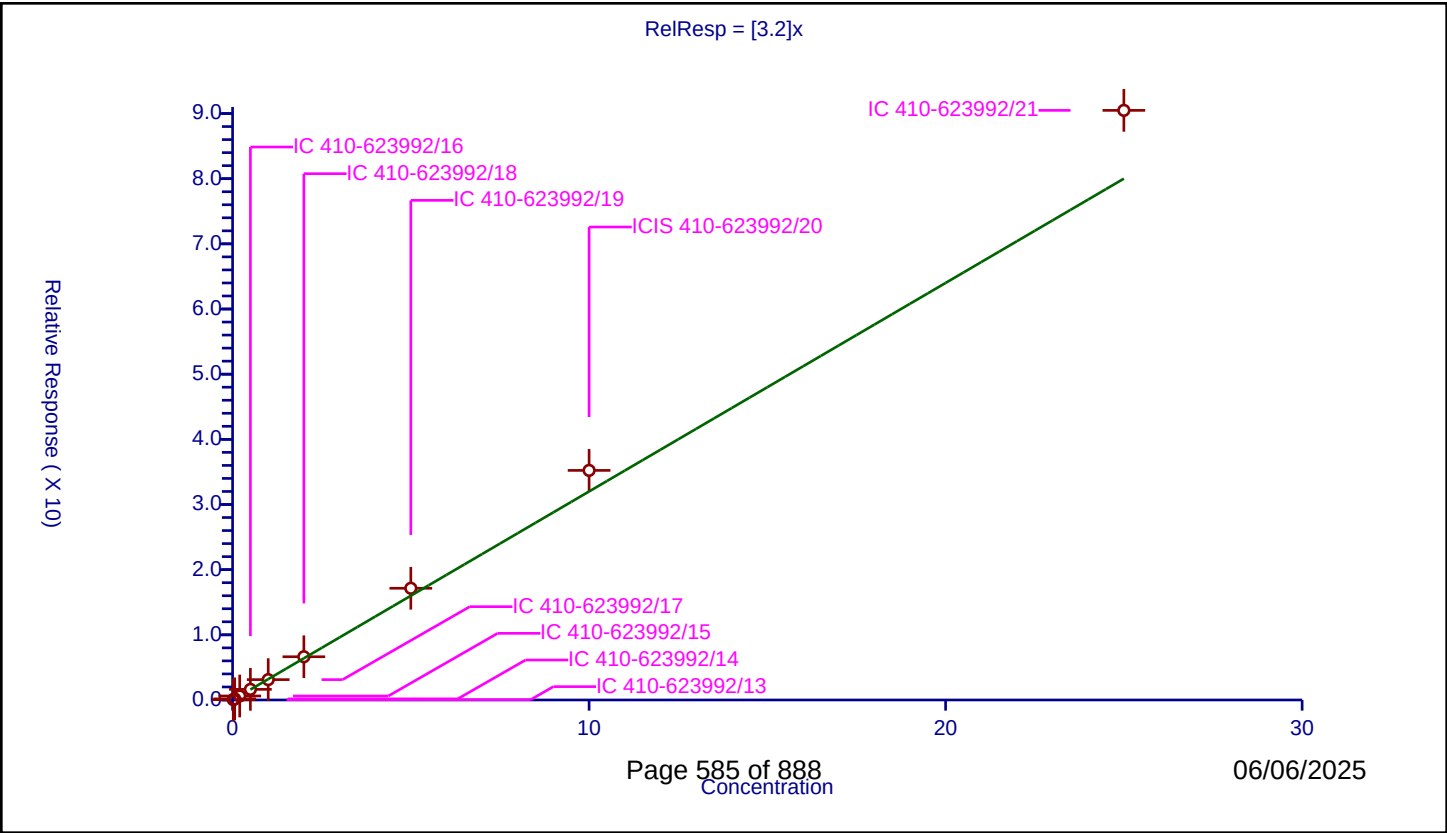
/ 4-Isopropyltoluene

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

Curve Coefficients	
Intercept:	0
Slope:	3.2
Error Coefficients	

Relative Standard Deviation: 10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.05172	10.0	743425.0	2.586004	Y
2	IC 410-623992/14	0.06	0.171884	10.0	750682.0	2.864728	Y
3	IC 410-623992/15	0.2	0.614316	10.0	765014.0	3.071578	Y
4	IC 410-623992/16	0.5	1.63216	10.0	769122.0	3.26432	Y
5	IC 410-623992/17	1.0	3.124185	10.0	763700.0	3.124185	Y
6	IC 410-623992/18	2.0	6.636849	10.0	758619.0	3.318425	Y
7	IC 410-623992/19	5.0	17.142976	10.0	782167.0	3.428595	Y
8	ICIS 410-623992/20	10.0	35.234399	10.0	791747.0	3.52344	Y
9	IC 410-623992/21	25.0	90.48401	10.0	829879.0	3.61936	Y



Calibration

/ 1,4-Dichlorobenzene

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

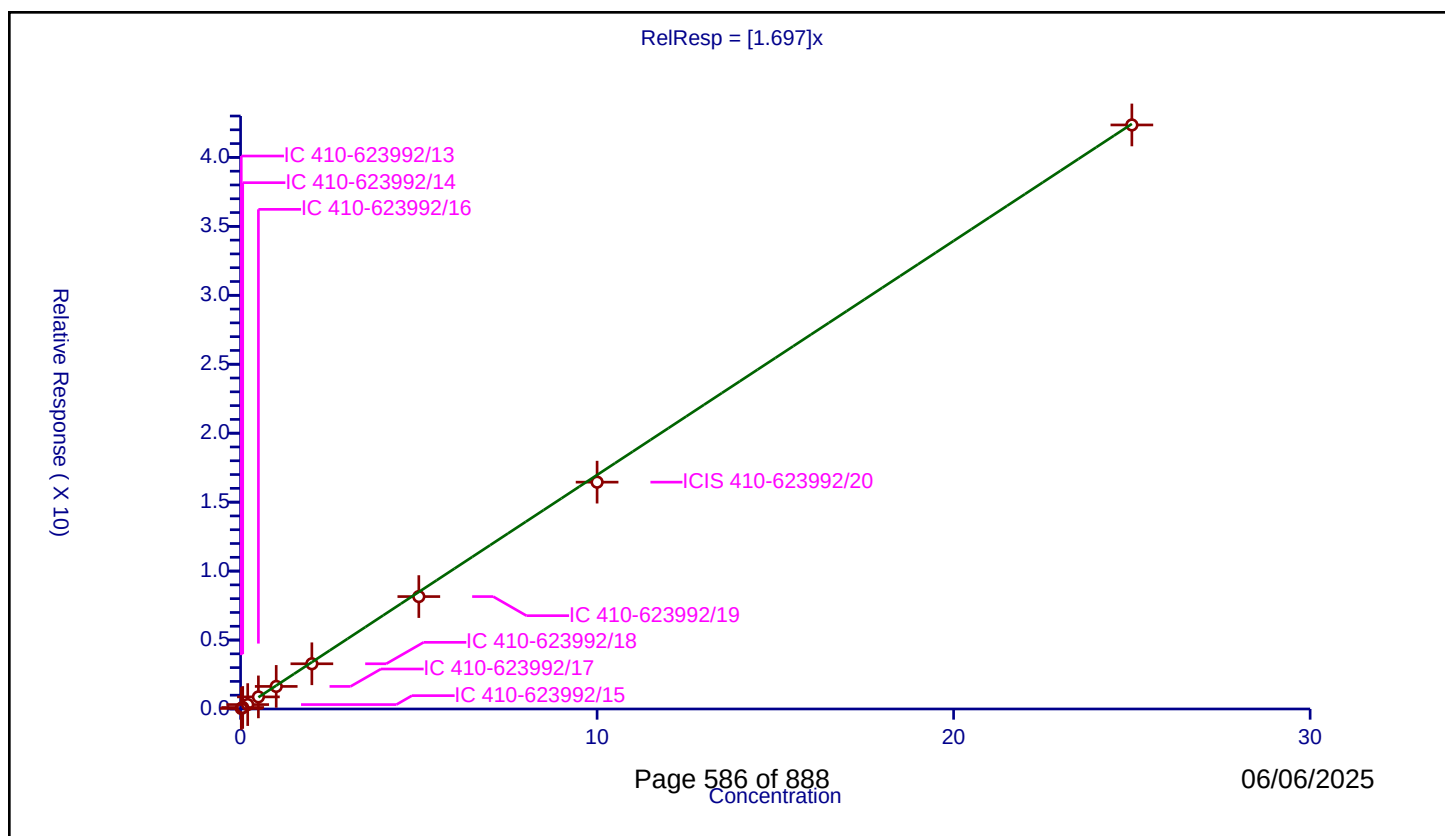
Curve Coefficients

Intercept: 0
Slope: 1.697

Error Coefficients

Relative Standard Deviation: 5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.036897	10.0	743425.0	1.84484	Y
2	IC 410-623992/14	0.06	0.110007	10.0	750682.0	1.833444	Y
3	IC 410-623992/15	0.2	0.31938	10.0	765014.0	1.596899	Y
4	IC 410-623992/16	0.5	0.876857	10.0	769122.0	1.753714	Y
5	IC 410-623992/17	1.0	1.636808	10.0	763700.0	1.636808	Y
6	IC 410-623992/18	2.0	3.278009	10.0	758619.0	1.639005	Y
7	IC 410-623992/19	5.0	8.151264	10.0	782167.0	1.630253	Y
8	ICIS 410-623992/20	10.0	16.450432	10.0	791747.0	1.645043	Y
9	IC 410-623992/21	25.0	42.352343	10.0	829879.0	1.694094	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

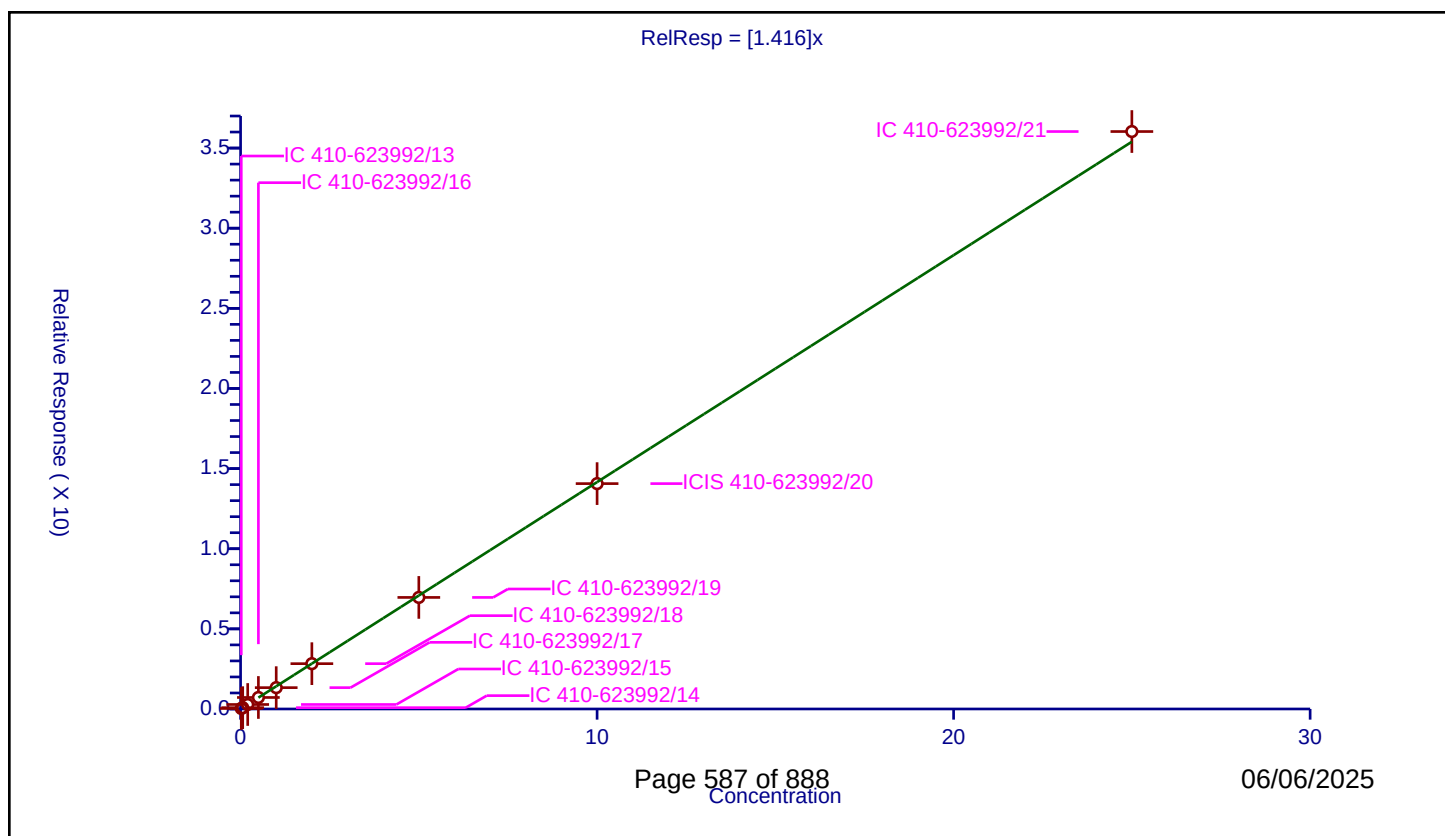
Curve Coefficients

Intercept: 0
Slope: 1.416

Error Coefficients

Relative Standard Deviation: 4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.031261	10.0	743425.0	1.563036	Y
2	IC 410-623992/14	0.06	0.081526	10.0	750682.0	1.358764	Y
3	IC 410-623992/15	0.2	0.279655	10.0	765014.0	1.398275	Y
4	IC 410-623992/16	0.5	0.718716	10.0	769122.0	1.437431	Y
5	IC 410-623992/17	1.0	1.331151	10.0	763700.0	1.331151	Y
6	IC 410-623992/18	2.0	2.827467	10.0	758619.0	1.413733	Y
7	IC 410-623992/19	5.0	6.961442	10.0	782167.0	1.392288	Y
8	ICIS 410-623992/20	10.0	14.062144	10.0	791747.0	1.406214	Y
9	IC 410-623992/21	25.0	36.031	10.0	829879.0	1.44124	Y



Calibration

/ Benzyl chloride

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

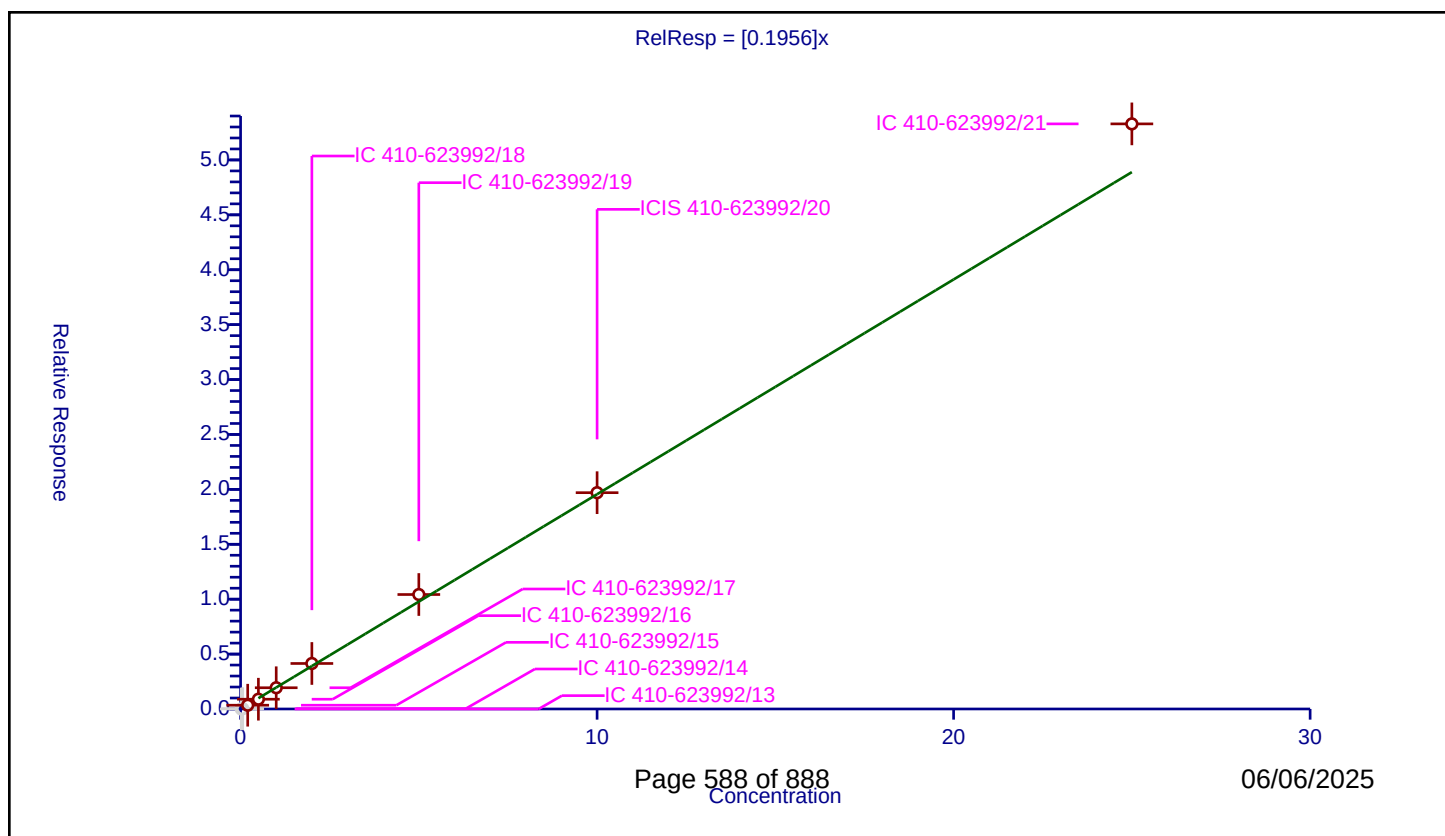
Curve Coefficients

Intercept: 0
Slope: 0.1956

Error Coefficients

Relative Standard Deviation: 8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.0	10.0	743425.0	0.0	N
2	IC 410-623992/14	0.06	0.003024	10.0	750682.0	0.050399	N
3	IC 410-623992/15	0.2	0.034326	10.0	765014.0	0.171631	Y
4	IC 410-623992/16	0.5	0.089076	10.0	769122.0	0.178151	Y
5	IC 410-623992/17	1.0	0.193427	10.0	763700.0	0.193427	Y
6	IC 410-623992/18	2.0	0.414305	10.0	758619.0	0.207153	Y
7	IC 410-623992/19	5.0	1.042476	10.0	782167.0	0.208495	Y
8	ICIS 410-623992/20	10.0	1.969796	10.0	791747.0	0.19698	Y
9	IC 410-623992/21	25.0	5.328247	10.0	829879.0	0.21313	Y



Calibration

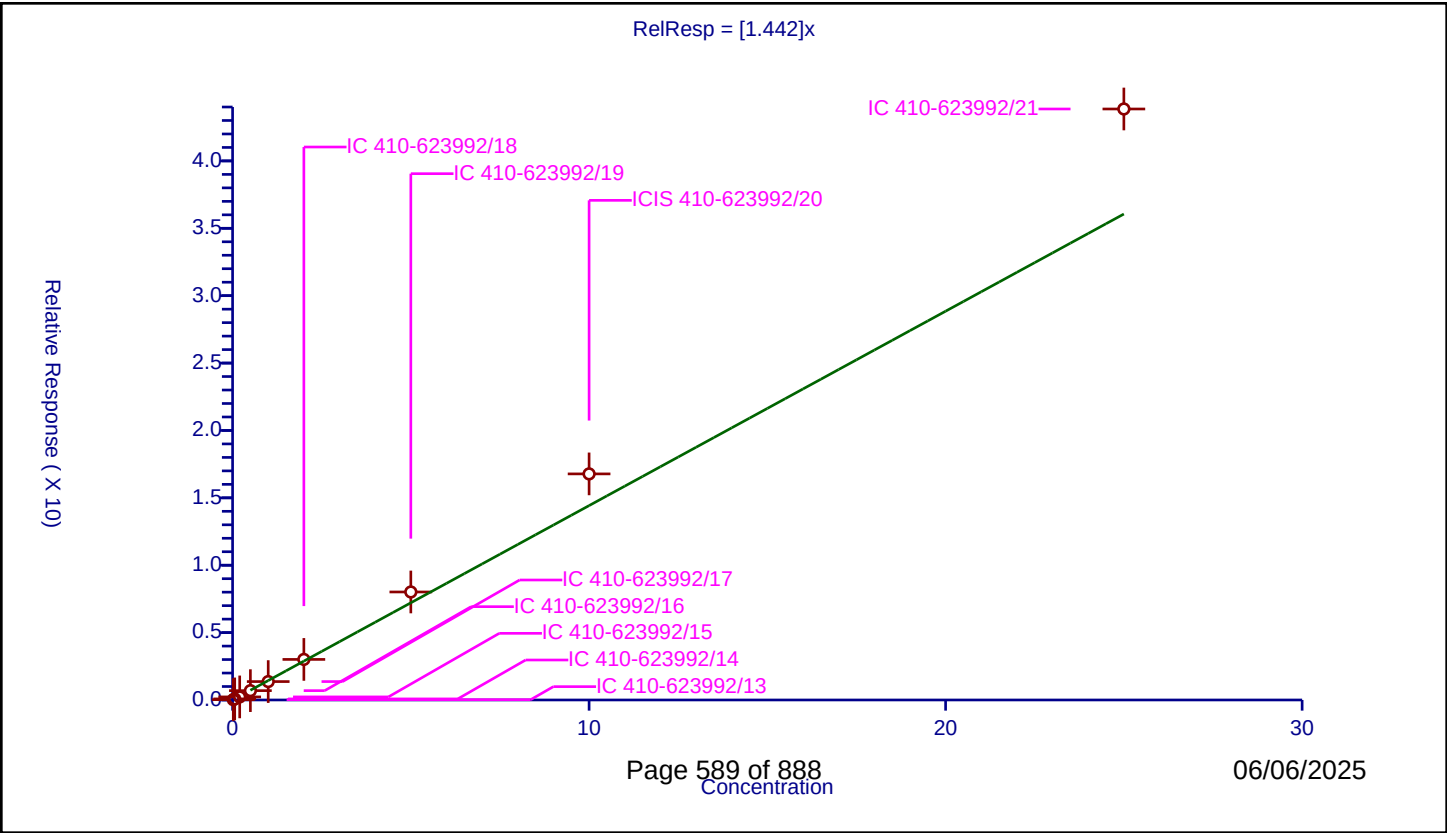
/ n-Butylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.442
Error Coefficients	

Relative Standard Deviation: 14.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.024347	10.0	743425.0	1.217339	Y
2	IC 410-623992/14	0.06	0.079821	10.0	750682.0	1.330346	Y
3	IC 410-623992/15	0.2	0.228205	10.0	765014.0	1.141025	Y
4	IC 410-623992/16	0.5	0.693128	10.0	769122.0	1.386256	Y
5	IC 410-623992/17	1.0	1.366819	10.0	763700.0	1.366819	Y
6	IC 410-623992/18	2.0	3.010339	10.0	758619.0	1.505169	Y
7	IC 410-623992/19	5.0	8.013979	10.0	782167.0	1.602796	Y
8	ICIS 410-623992/20	10.0	16.777253	10.0	791747.0	1.677725	Y
9	IC 410-623992/21	25.0	43.853863	10.0	829879.0	1.754155	Y



Calibration

/ 1,2-Dichlorobenzene

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

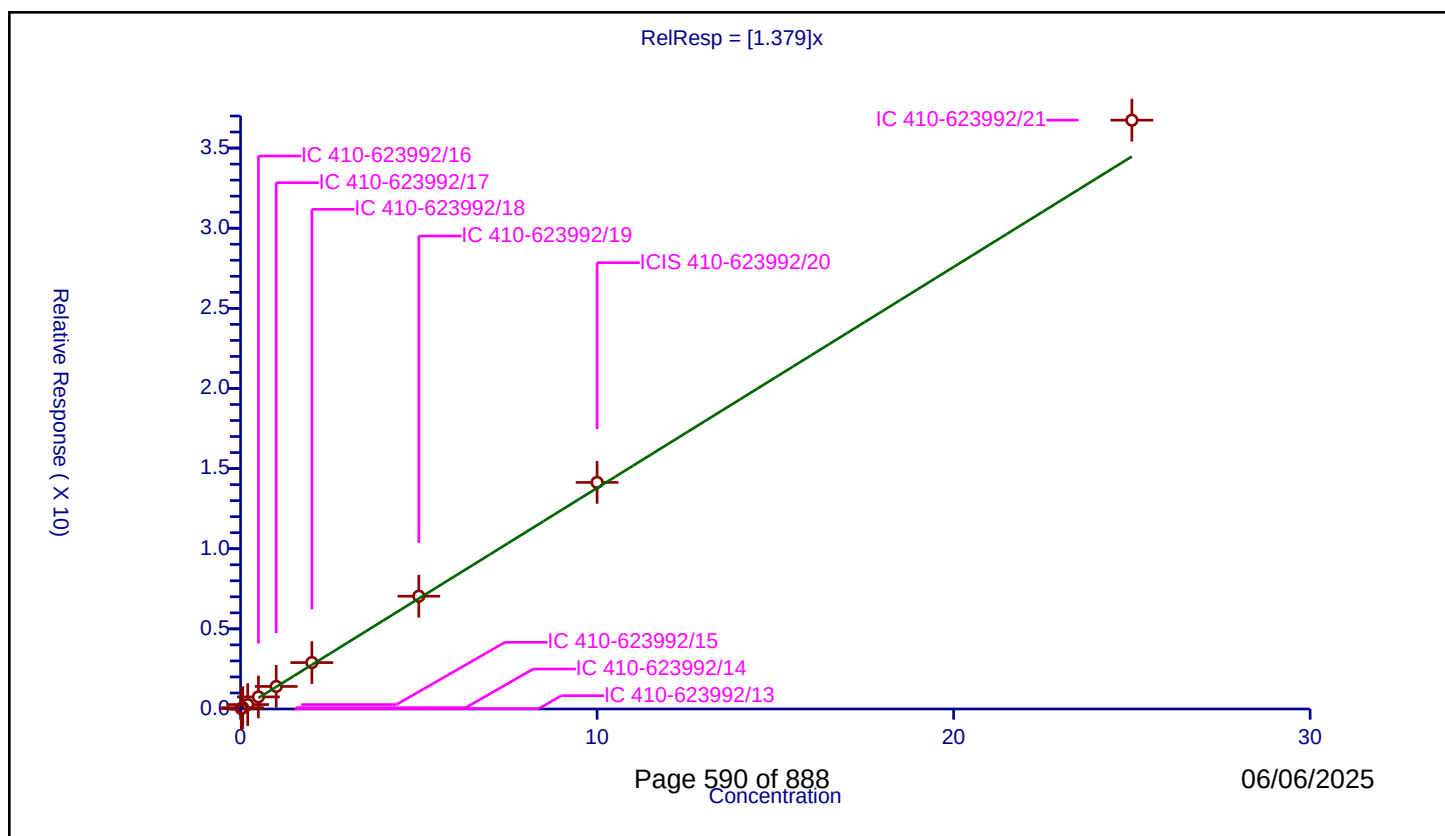
Curve Coefficients

Intercept: 0
Slope: 1.379

Error Coefficients

Relative Standard Deviation: 10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.020244	10.0	743425.0	1.012207	Y
2	IC 410-623992/14	0.06	0.081846	10.0	750682.0	1.364093	Y
3	IC 410-623992/15	0.2	0.275616	10.0	765014.0	1.378079	Y
4	IC 410-623992/16	0.5	0.755277	10.0	769122.0	1.510554	Y
5	IC 410-623992/17	1.0	1.406809	10.0	763700.0	1.406809	Y
6	IC 410-623992/18	2.0	2.896579	10.0	758619.0	1.44829	Y
7	IC 410-623992/19	5.0	7.037116	10.0	782167.0	1.407423	Y
8	ICIS 410-623992/20	10.0	14.137938	10.0	791747.0	1.413794	Y
9	IC 410-623992/21	25.0	36.741248	10.0	829879.0	1.46965	Y



Calibration

/ 1,2-Dibromo-3-Chloropropane

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

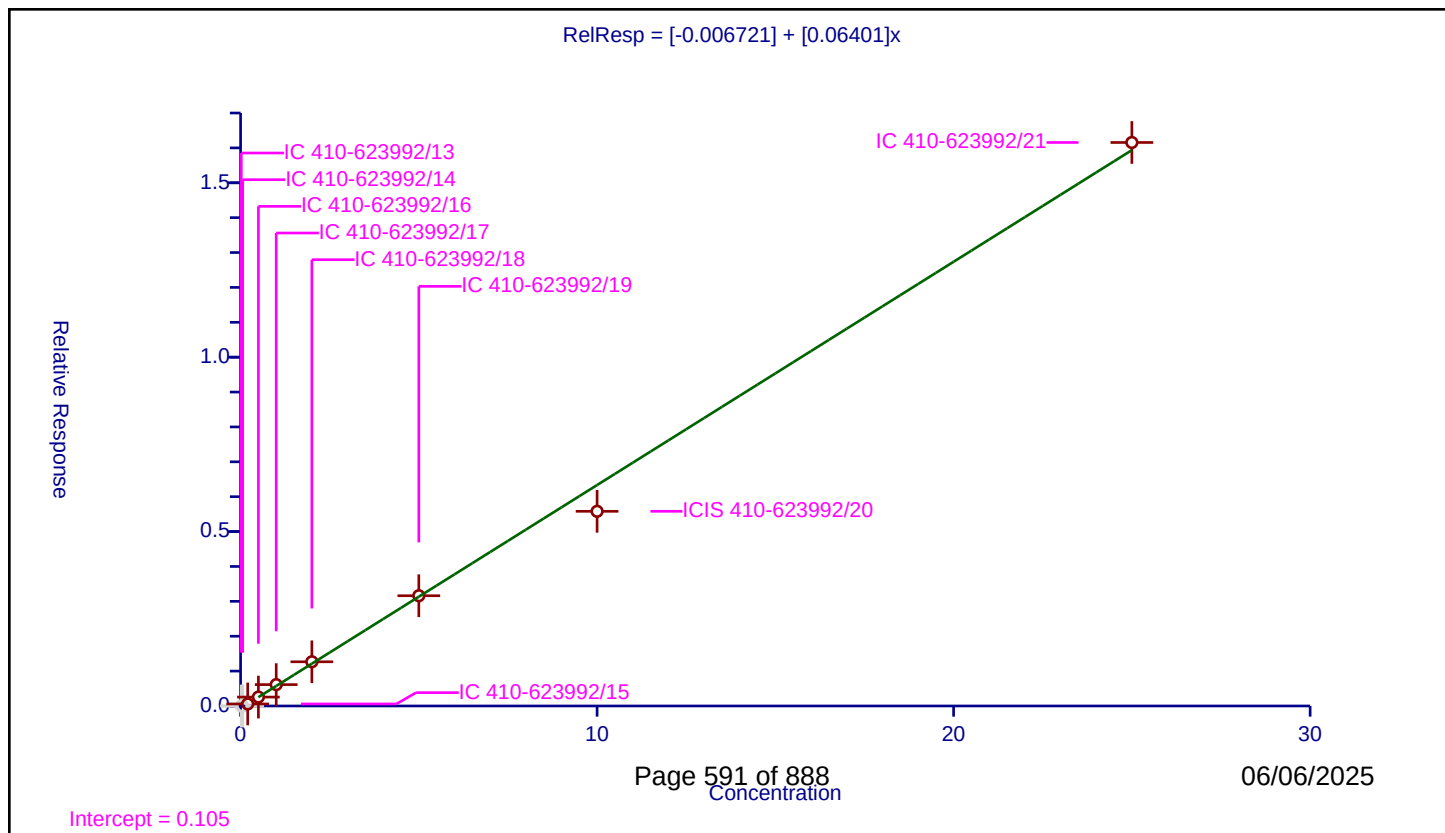
Curve Coefficients

Intercept: -0.006721
 Slope: 0.06401

Error Coefficients

Relative Standard Deviation: 6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.0	10.0	743425.0	0.0	N
2	IC 410-623992/14	0.06	0.0	10.0	750682.0	0.0	N
3	IC 410-623992/15	0.2	0.005843	10.0	765014.0	0.029215	Y
4	IC 410-623992/16	0.5	0.025601	10.0	769122.0	0.051201	Y
5	IC 410-623992/17	1.0	0.061254	10.0	763700.0	0.061254	Y
6	IC 410-623992/18	2.0	0.12673	10.0	758619.0	0.063365	Y
7	IC 410-623992/19	5.0	0.316058	10.0	782167.0	0.063212	Y
8	ICIS 410-623992/20	10.0	0.558095	10.0	791747.0	0.055809	Y
9	IC 410-623992/21	25.0	1.615489	10.0	829879.0	0.06462	Y



Calibration

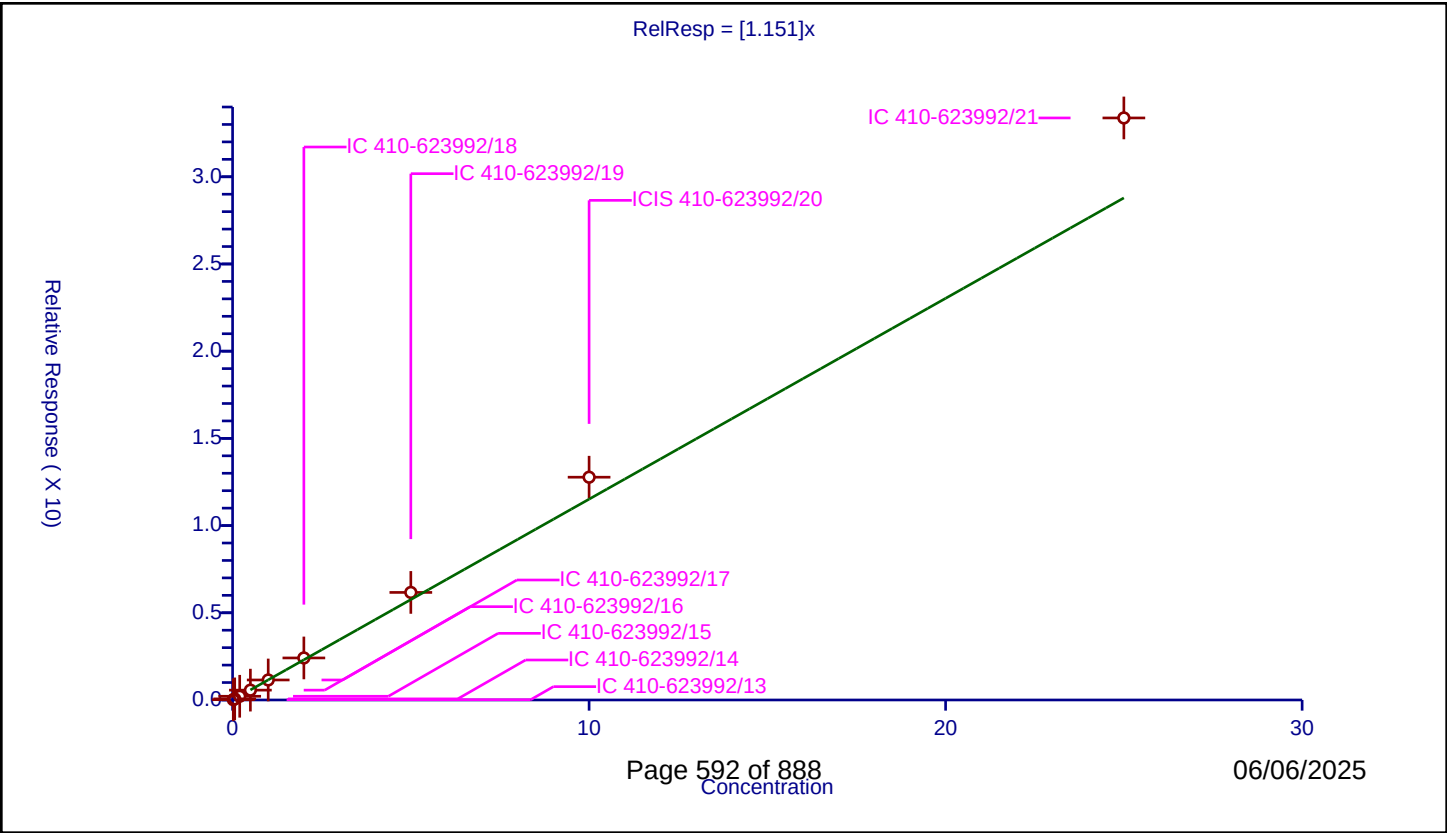
/ 1,3,5-Trichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.151

Error Coefficients	
Relative Standard Deviation:	
	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.018226	10.0	743425.0	0.911323	Y
2	IC 410-623992/14	0.06	0.063489	10.0	750682.0	1.058149	Y
3	IC 410-623992/15	0.2	0.212911	10.0	765014.0	1.064556	Y
4	IC 410-623992/16	0.5	0.565528	10.0	769122.0	1.131056	Y
5	IC 410-623992/17	1.0	1.147073	10.0	763700.0	1.147073	Y
6	IC 410-623992/18	2.0	2.410617	10.0	758619.0	1.205309	Y
7	IC 410-623992/19	5.0	6.167123	10.0	782167.0	1.233425	Y
8	ICIS 410-623992/20	10.0	12.774548	10.0	791747.0	1.277455	Y
9	IC 410-623992/21	25.0	33.373504	10.0	829879.0	1.33494	Y



Calibration

/ 1,2,4-Trichlorobenzene

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

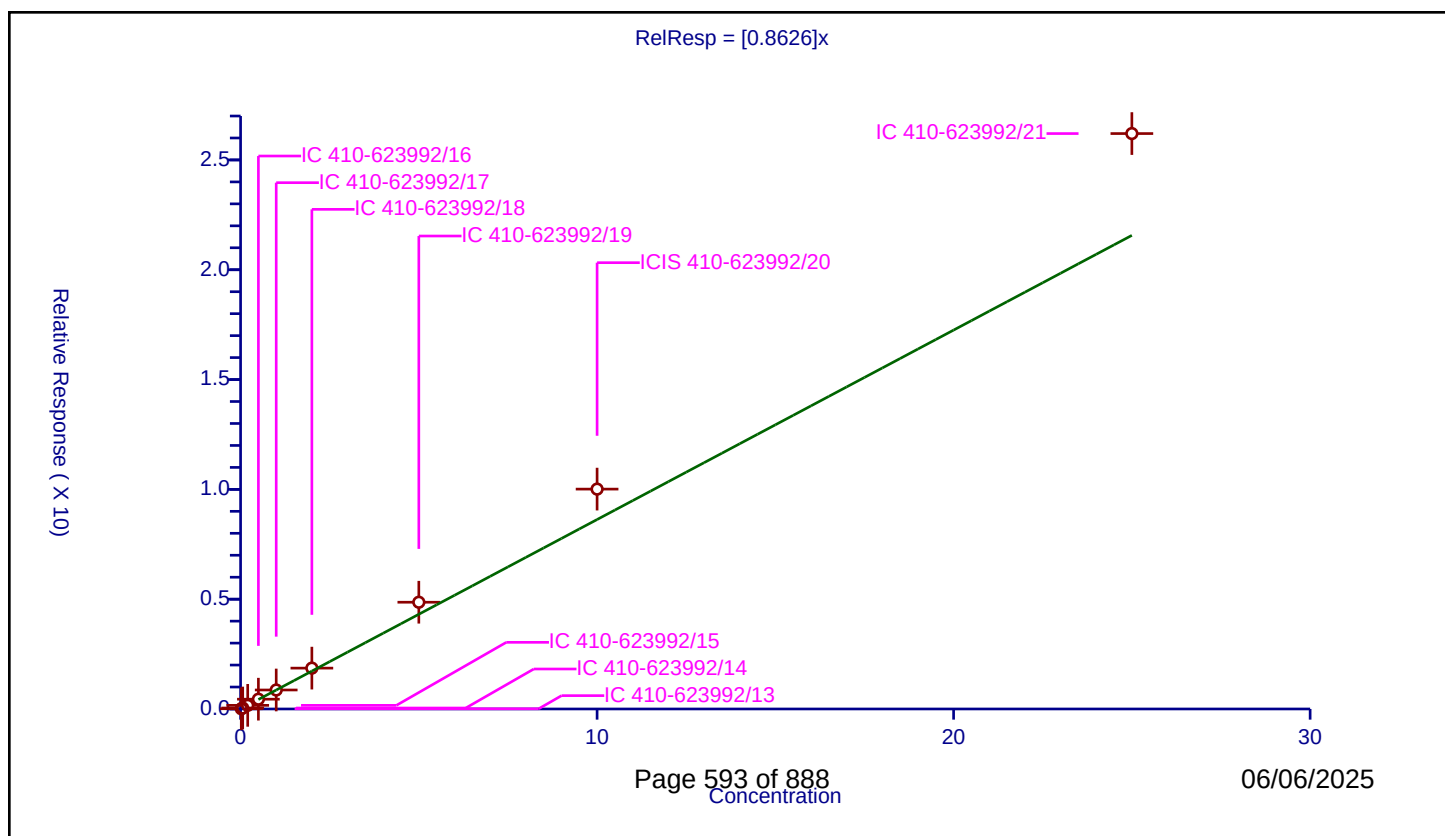
Curve Coefficients

Intercept: 0
Slope: 0.8626

Error Coefficients

Relative Standard Deviation: 19.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.009954	10.0	743425.0	0.497696	Y
2	IC 410-623992/14	0.06	0.04384	10.0	750682.0	0.730669	Y
3	IC 410-623992/15	0.2	0.16516	10.0	765014.0	0.825802	Y
4	IC 410-623992/16	0.5	0.446457	10.0	769122.0	0.892914	Y
5	IC 410-623992/17	1.0	0.864515	10.0	763700.0	0.864515	Y
6	IC 410-623992/18	2.0	1.861211	10.0	758619.0	0.930605	Y
7	IC 410-623992/19	5.0	4.860548	10.0	782167.0	0.97211	Y
8	ICIS 410-623992/20	10.0	10.011898	10.0	791747.0	1.00119	Y
9	IC 410-623992/21	25.0	26.201157	10.0	829879.0	1.048046	Y



Calibration

/ Hexachlorobutadiene

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

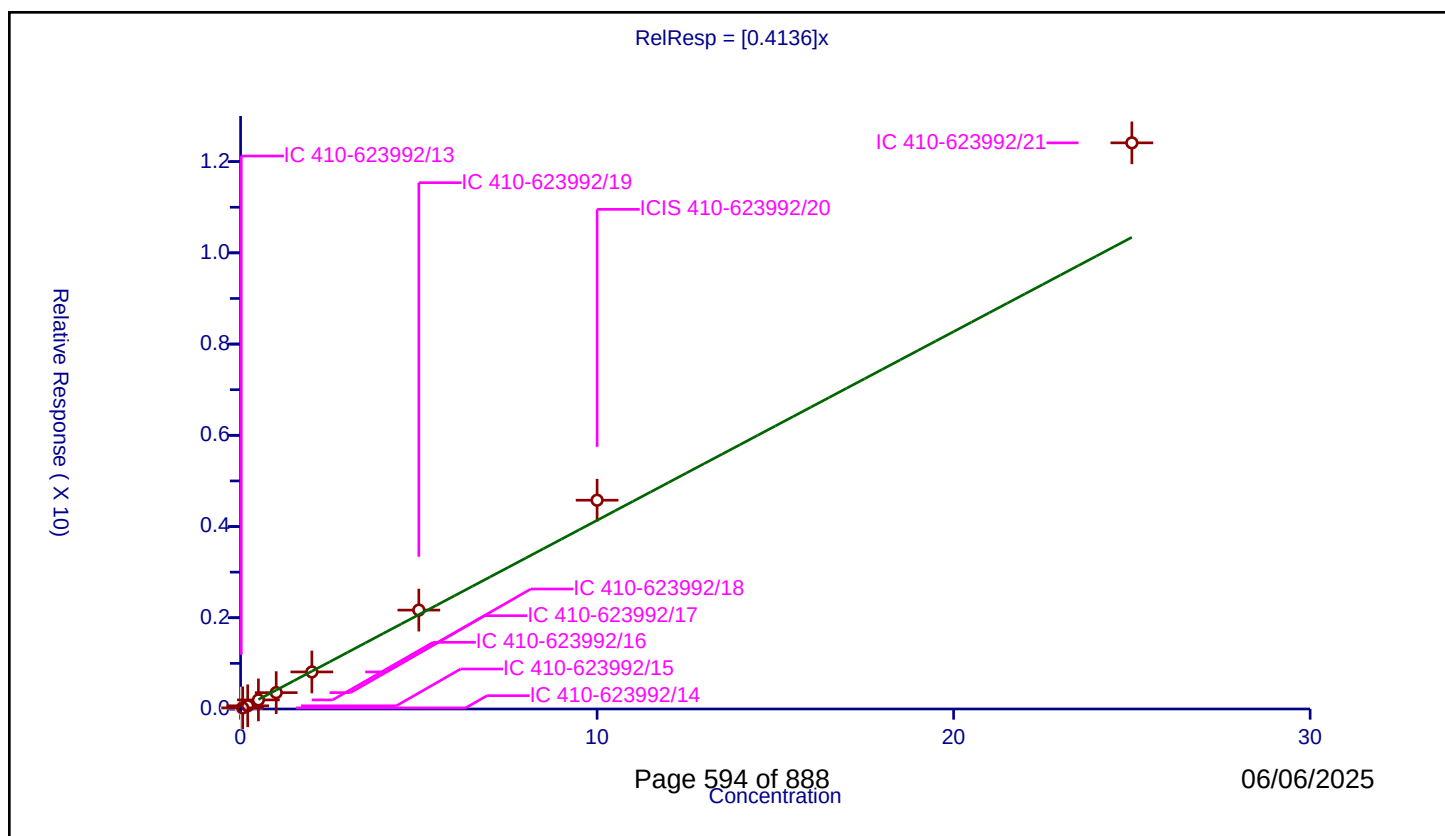
Curve Coefficients

Intercept: 0
Slope: 0.4136

Error Coefficients

Relative Standard Deviation: 11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.018939	10.0	743425.0	0.946968	N
2	IC 410-623992/14	0.06	0.024524	10.0	750682.0	0.408739	Y
3	IC 410-623992/15	0.2	0.06979	10.0	765014.0	0.348948	Y
4	IC 410-623992/16	0.5	0.199253	10.0	769122.0	0.398506	Y
5	IC 410-623992/17	1.0	0.358911	10.0	763700.0	0.358911	Y
6	IC 410-623992/18	2.0	0.812318	10.0	758619.0	0.406159	Y
7	IC 410-623992/19	5.0	2.168322	10.0	782167.0	0.433664	Y
8	ICIS 410-623992/20	10.0	4.577573	10.0	791747.0	0.457757	Y
9	IC 410-623992/21	25.0	12.411737	10.0	829879.0	0.496469	Y

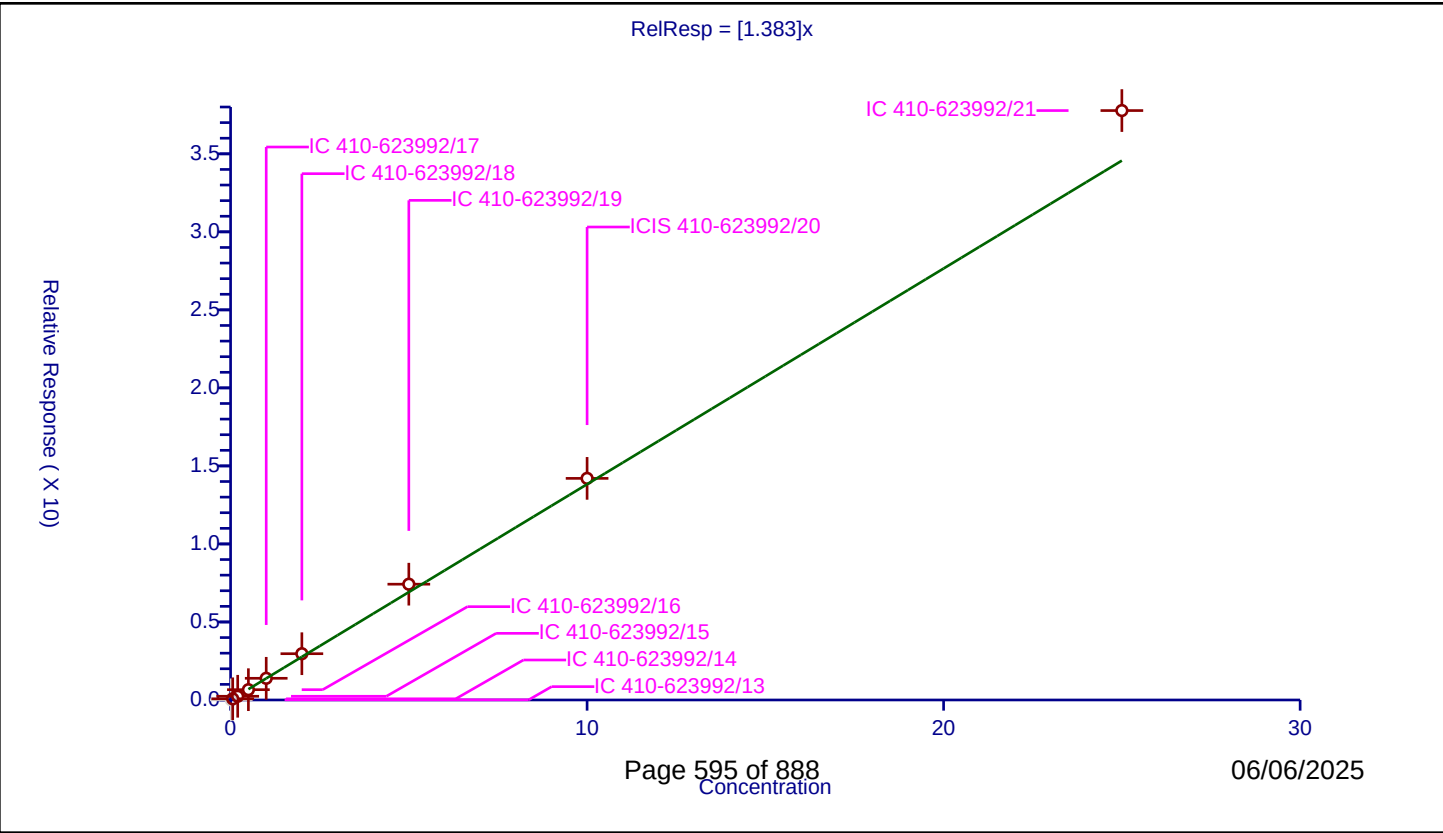


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.383

Error Coefficients	
Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.011366	10.0	743425.0	0.568316	N
2	IC 410-623992/14	0.06	0.075771	10.0	750682.0	1.262852	Y
3	IC 410-623992/15	0.2	0.238231	10.0	765014.0	1.191155	Y
4	IC 410-623992/16	0.5	0.659687	10.0	769122.0	1.319375	Y
5	IC 410-623992/17	1.0	1.389459	10.0	763700.0	1.389459	Y
6	IC 410-623992/18	2.0	2.965151	10.0	758619.0	1.482576	Y
7	IC 410-623992/19	5.0	7.420282	10.0	782167.0	1.484056	Y
8	ICIS 410-623992/20	10.0	14.202555	10.0	791747.0	1.420255	Y
9	IC 410-623992/21	25.0	37.773422	10.0	829879.0	1.510937	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

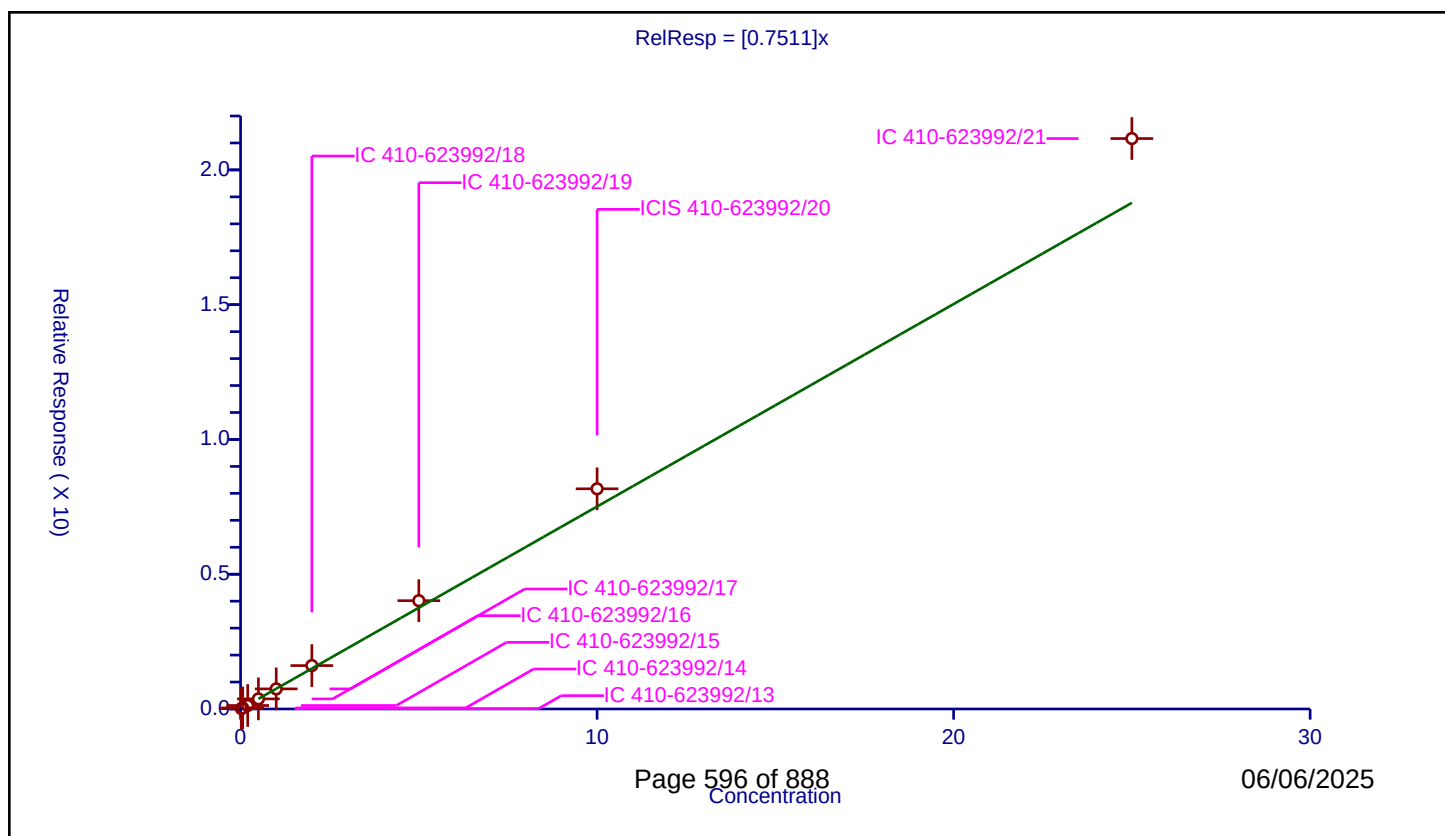
Curve Coefficients

Intercept: 0
Slope: 0.7511

Error Coefficients

Relative Standard Deviation: 9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-623992/13	0.02	0.013693	10.0	743425.0	0.684669	Y
2	IC 410-623992/14	0.06	0.03983	10.0	750682.0	0.663841	Y
3	IC 410-623992/15	0.2	0.12903	10.0	765014.0	0.645152	Y
4	IC 410-623992/16	0.5	0.374518	10.0	769122.0	0.749036	Y
5	IC 410-623992/17	1.0	0.745371	10.0	763700.0	0.745371	Y
6	IC 410-623992/18	2.0	1.610281	10.0	758619.0	0.805141	Y
7	IC 410-623992/19	5.0	4.018132	10.0	782167.0	0.803626	Y
8	ICIS 410-623992/20	10.0	8.169605	10.0	791747.0	0.81696	Y
9	IC 410-623992/21	25.0	21.163712	10.0	829879.0	0.846548	Y



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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 617959
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05 Calibration End Date: 03/17/2025 21:31 Calibration ID: 70829

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-617959/13	IM17X12.D
Level 2	IC 410-617959/14	IM17X13.D
Level 3	IC 410-617959/15	IM17X14.D
Level 4	IC 410-617959/16	IM17X15.D
Level 5	IC 410-617959/17	IM17X16.D
Level 6	IC 410-617959/18	IM17X17.D
Level 7	ICIS 410-617959/19	IM17X18.D
Level 8	IC 410-617959/20	IM17X19.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								
Dichlorodifluoromethane	0.3547 0.3780	0.4120 0.3431	0.4751 0.3300	0.3862	0.4356	Ave		0.389 4			0.1000	12.7		20.0			
Chloromethane	0.6754 0.4272	0.5143 0.4115	0.5735 0.4088	0.4709	0.5308	Ave		0.501 6			0.1000	18.4		20.0			
1,3-Butadiene	0.5950 0.5140	0.7483 0.4669	0.7354 0.4493	0.5794	0.6384	Ave		0.590 8				19.1		20.0			
Vinyl chloride	0.3961 0.3894	0.4527 0.3761	0.4961 0.3819	0.4170	0.4641	Ave		0.421 7			0.1000	10.5		20.0			
Bromomethane	0.4697 0.2962	0.3524 0.2894	0.3885 0.2953	0.3170	0.3546	Ave		0.345 4			0.1000	17.8		20.0			
Chloroethane	0.2817 0.2457	0.3053 0.2375	0.3059 0.2417	0.2467	0.2878	Ave		0.269 0			0.1000	10.9		20.0			
Dichlorofluoromethane	0.9511 0.6859	0.8176 0.6614	0.8856 0.6708	0.7088	0.8217	Ave		0.775 3			0.1000	14.1		20.0			
Trichlorofluoromethane	0.3223 0.5306	0.5689 0.4982	0.6741 0.4994	0.5494	0.6102	Ave		0.531 6			0.1000	19.4		20.0			
Ethyl ether	0.2231	0.2629 0.2245	0.2647 0.2353	0.2456	0.2986	Ave		0.250 7				10.7		20.0			
Freon 123a	0.2319 0.3647	0.4127 0.3500	0.4735 0.3571	0.3848	0.4324	Ave		0.375 9				19.1		20.0			
Acrolein	2.3954	1.7666 2.3788	2.0073 2.5713	2.0061	2.3901	Ave		2.216 5				13.1		20.0			
1,1-Dichloroethene	0.3060 0.2647	0.2808 0.2472	0.3117 0.2559	0.2731	0.2993	Ave		0.279 8			0.1000	8.5		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 617959
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05 Calibration End Date: 03/17/2025 21:31 Calibration ID: 70829

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 8	LVL 4	LVL 5		B	M1	M2								
Acetone	3.2382	3.0854 2.9720	3.6452 2.9951	3.3315	3.7180	Ave		3.283 6			0.1000	9.2		20.0			
Freon 113	0.3117	0.3046 0.2841	0.3644 0.2911	0.3243	0.3438	Ave		0.317 7			0.1000	9.0		20.0			
Methyl iodide	0.5632	0.5717 0.5315	0.6189 0.5527	0.5797	0.6403	Ave		0.579 7				6.5		20.0			
Ethyl bromide	0.2294	0.2645 0.2340	0.2970 0.2418	0.2504	0.3062	Ave		0.260 5				11.7		20.0			
Carbon disulfide	0.8469	0.9790 0.7972	0.9816 0.8183	0.9036	0.9921	Ave		0.902 7			0.1000	9.2		20.0			
Methyl acetate	8.3782	++++ 8.1127	8.2052 8.6785	6.3951	8.2458	Ave		8.002 6			0.1000	10.1		20.0			
Allyl chloride	0.4445	0.4481 0.4259	0.4953 0.4506	0.4448	0.4856	Ave		0.456 4				5.4		20.0			
Methylene Chloride	0.3161	0.3315 0.2947	0.3602 0.3056	0.3259	0.3678	Ave		0.328 8			0.1000	8.2		20.0			
t-Butyl alcohol	1.0564	1.2017 0.9931	1.2888 1.0770	1.1777	1.2783	Ave		1.153 3				9.9		20.0			
Acrylonitrile	4.2053	++++ 3.8820	++++ 4.1318	3.1888	4.2177	Ave		3.925 1				11.0		20.0			
Methyl tert-butyl ether	0.7682	0.7661 0.7506	0.7947 0.7905	0.7542	0.8680	Ave		0.784 6			0.1000	5.1		20.0			
trans-1,2-Dichloroethene	0.3051	0.2961 0.2847	0.3323 0.2986	0.3129	0.3439	Ave		0.310 5			0.1000	6.8		20.0			
n-Hexane	0.4532	0.3736 0.4168	0.4614 0.4353	0.4250	0.4792	Ave		0.434 9				8.0		20.0			
1,1-Dichloroethane	0.5815	0.5610 0.5528	0.6510 0.5689	0.6034	0.6592	Ave		0.596 8			0.2000	7.2		20.0			
di-Isopropyl ether	0.9685	0.8589 0.9290	0.9747 0.9777	0.9348	1.0621	Ave		0.958 0				6.4		20.0			
2-Chloro-1,3-butadiene	0.4677	0.4159 0.4560	0.4525 0.4809	0.4542	0.5244	Ave		0.464 5				7.1		20.0			
Ethyl t-butyl ether	0.8957	0.8196 0.8729	0.9058 0.9218	0.8586	0.9953	Ave		0.895 7				6.2		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 617959
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05 Calibration End Date: 03/17/2025 21:31 Calibration ID: 70829

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 8	LVL 4	LVL 5		B	M1	M2								
2-Butanone (MEK)	6.0666	+++++ 5.6253	4.5771 5.7638	4.8247	6.3578	Ave		5.535 q			0.1000	12.6		20.0			
cis-1,2-Dichloroethene	0.2117 0.3590	0.3520 0.3411	0.3846 0.3545	0.3639	0.4086	Ave		0.346 q			0.1000	16.9		20.0			
2,2-Dichloropropane	0.4786	0.4799 0.4525	0.5354 0.4730	0.4828	0.5337	Ave		0.490 q				6.4		20.0			
Propionitrile	1.6251	0.9921 1.5666	1.3351 1.6729	1.4234	1.6959	Ave		1.473 n				17.0		20.0			
Methacrylonitrile	6.2573	4.4351 5.8877	4.7889 6.0456	5.5720	6.5959	Ave		5.654 6				13.9		20.0			
Bromochloromethane	0.1664	0.1537 0.1599	0.1761 0.1660	0.1646	0.1915	Ave		0.168 3				7.3		20.0			
Tetrahydrofuran	1.8179	1.1548 1.7368	1.6034 1.6940	1.6268	1.9969	Ave		1.661 5				15.6		20.0			
Chloroform	0.5931	0.5922 0.5634	0.6572 0.5785	0.6011	0.6729	Ave		0.608 3			0.2000	6.7		20.0			
1,1,1-Trichloroethane	0.5068	0.5314 0.4751	0.5525 0.4900	0.5245	0.5658	Ave		0.520 q			0.1000	6.3		20.0			
Cyclohexane	0.5438	0.4775 0.5085	0.5744 0.5288	0.5364	0.5910	Ave		0.537 2			0.1000	7.1		20.0			
Carbon tetrachloride	0.4525	0.4326 0.4216	0.4883 0.4425	0.4562	0.5019	Ave		0.456 5			0.1000	6.4		20.0			
1,1-Dichloropropene	0.4621	0.4297 0.4376	0.4747 0.4557	0.4624	0.5133	Ave		0.462 2				5.9		20.0			
Isobutyl alcohol	0.4029	0.3942 0.3887	0.4178 0.3941	0.3760	0.4606	Ave		0.404 q				6.8		20.0			
Benzene	1.3557	1.3248 1.2820	1.4656 1.3192	1.3724	1.5501	Ave		1.381 4			0.5000	6.8		20.0			
1,2-Dichloroethane	0.3841	0.3881 0.3711	0.4205 0.3755	0.3822	0.4414	Ave		0.394 7			0.1000	6.6		20.0			
t-Amyl methyl ether	0.8389	0.7082 0.8189	0.8104 0.8575	0.8018	0.9338	Ave		0.824 2				8.2		20.0			
n-Heptane	0.4275	0.4185 0.3959	0.4494 0.4161	0.4224	0.4602	Ave		0.427 1				5.0		20.0			

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 617959
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05 Calibration End Date: 03/17/2025 21:31 Calibration ID: 70829

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 8	LVL 4	LVL 5		B	M1	M2								
n-Butanol	0.3520	++++ 0.3517	0.1948 0.3737	0.2408	0.3380	Lin	-11.1 7	0.377 0							1.0000		0.9900
Trichloroethene	0.4125 0.3542	0.3583 0.3324	0.3708 0.3457	0.3584	0.3939	Ave		0.365 8			0.2000	7.1		20.0			
Methylcyclohexane	0.5962	0.4687 0.5519	0.6187 0.5745	0.5641	0.6409	Ave		0.573 6			0.1000	9.7		20.0			
1,2-Dichloropropane	0.3589	0.3425 0.3429	0.3810 0.3617	0.3583	0.4048	Ave		0.364 3			0.1000	6.1		20.0			
1,4-Dioxane	0.0881	++++ 0.0871	0.0687 0.0845	0.0899	0.1034	Ave		0.086 9			0.0050	12.8		20.0			
Methyl methacrylate	11.386	++++ 10.689	6.7202 11.680	8.4179	10.290	Ave		9.863 8				19.5		20.0			
Dibromomethane	0.1793	0.1677 0.1732	0.1791 0.1780	0.1786	0.2036	Ave		0.179 9				6.3		20.0			
Bromodichloromethane	0.4365	0.4223 0.4164	0.4560 0.4337	0.4387	0.4892	Ave		0.441 8			0.2000	5.5		20.0			
2-Nitropropane	3.7980	3.5113 3.6324	3.9783 3.7231	3.3340	3.8772	Ave		3.693 5				6.0		20.0			
1-Bromo-2-chloroethane	0.3381	0.3706 0.3547	0.3966 0.3648	0.3640	0.4442	Ave		0.376 1				9.2		20.0			
cis-1,3-Dichloropropene	0.5098	0.4111 0.5024	0.4787 0.5391	0.4626	0.5409	Ave		0.492 1			0.2000	9.3		20.0			
4-Methyl-2-pentanone (MIBK)	16.701	11.101 15.541	13.807 15.760	13.881	16.874	Ave		14.80 9			0.1000	13.8		20.0			
Toluene	1.1403	1.1130 1.0713	1.2484 1.1176	1.1551	1.2782	Ave		1.160 6			0.4000	6.5		20.0			
trans-1,3-Dichloropropene	0.5790	0.4407 0.5741	0.4943 0.6087	0.5356	0.6161	Ave		0.549 8			0.1000	11.6		20.0			
Ethyl methacrylate	0.4789	++++ 0.4878	0.3862 0.5188	0.3595	0.4901	Ave		0.453 5				14.2		20.0			
1,1,2-Trichloroethane	0.3363	0.3360 0.3211	0.3807 0.3298	0.3425	0.3782	Ave		0.346 4			0.1000	6.8		20.0			
Tetrachloroethene	0.6895 0.5371	0.5246 0.5025	0.5911 0.5217	0.5530	0.6016	Ave		0.565 1			0.2000	10.8		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 617959
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05 Calibration End Date: 03/17/2025 21:31 Calibration ID: 70829

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 8	LVL 4	LVL 5		B	M1	M2								
1,3-Dichloropropane	0.5960	0.5613 0.5623	0.6078 0.5816	0.5842	0.6742	Ave		0.595 3				6.5		20.0			
2-Hexanone	11.785	7.1228 11.152	9.9651 11.398	9.5642	11.942	Ave		10.41 8			0.1000	16.4		20.0			
Dibromochloromethane	0.4309	0.3716 0.4181	0.4386 0.4379	0.4172	0.4781	Ave		0.427 5				7.5		20.0			
1,2-Dibromoethane (EDB)	0.3320	0.2863 0.3165	0.3323 0.3281	0.3244	0.3712	Ave		0.327 2			0.1000	7.7		20.0			
1-Chlorohexane	0.6257	0.6296 0.6049	0.6351 0.6384	0.6299	0.6810	Ave		0.634 9				3.6		20.0			
Chlorobenzene	1.3277	1.3250 1.2616	1.4384 1.3146	1.3714	1.5109	Ave		1.364 2			0.5000	6.2		20.0			
1,1,1,2-Tetrachloroethane	0.4695	0.4202 0.4435	0.4958 0.4691	0.4708	0.5239	Ave		0.470 4				7.1		20.0			
Ethylbenzene	2.3007	1.9984 2.1854	2.3484 2.2777	2.2317	2.5190	Ave		2.265 9			0.1000	7.0		20.0			
m&p-Xylene	0.9056	0.7748 0.8595	0.8882 0.8902	0.8728	0.9885	Ave		0.882 8			0.1000	7.2		20.0			
o-Xylene	0.8584	0.7301 0.8353	0.8458 0.8795	0.8183	0.9453	Ave		0.844 7			0.3000	7.7		20.0			
Styrene	1.4007	1.0058 1.3630	1.2394 1.4629	1.2981	1.4593	Ave		1.318 5			0.3000	12.1		20.0			
Bromoform	0.2559	0.2071 0.2523	0.2575 0.2703	0.2382	0.2786	Ave		0.251 4			0.1000	9.3		20.0			
Isopropylbenzene	2.0195	1.6300 1.9345	1.9600 2.0107	1.9160	2.1909	Ave		1.951 6			0.1000	8.6		20.0			
1,1,2,2-Tetrachloroethane	0.8061	0.7778 0.7627	0.8647 0.7808	0.8027	0.9333	Ave		0.818 3			0.3000	7.4		20.0			
Bromobenzene	0.9622	0.8993 0.9152	1.0322 0.9539	0.9483	1.1246	Ave		0.976 5				8.0		20.0			
trans-1,4-Dichloro-2-butene	5.6094	3.7022 5.4781	4.5348 5.9351	4.6388	5.8257	Ave		5.103 5				16.2		20.0			
1,2,3-Trichloropropane	0.2196	0.2045 0.2086	0.2307 0.2092	0.2189	0.2556	Ave		0.221 0				8.0		20.0			

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 617959
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05 Calibration End Date: 03/17/2025 21:31 Calibration ID: 70829

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 8	LVL 4	LVL 5		B	M1	M2								
N-Propylbenzene	4.8132	4.0741 4.5189	4.6679 4.2446	4.6090	5.2372	Ave		4.595 0				8.3		20.0			
2-Chlorotoluene	0.9693	0.9064 0.9244	1.0264 0.9453	0.9711	1.1081	Ave		0.978 7				7.0		20.0			
1,3,5-Trimethylbenzene	3.3410	2.7704 3.2009	3.3116 3.2799	3.1967	3.7506	Ave		3.264 4				8.8		20.0			
4-Chlorotoluene	1.0174	0.8712 0.9508	1.0207 0.9939	1.0114	1.1539	Ave		1.002 8				8.5		20.0			
tert-Butylbenzene	0.7777	0.6562 0.7449	0.7687 0.7682	0.7549	0.8797	Ave		0.764 3				8.6		20.0			
Pentachloroethane	0.5460	0.5393 0.5761	0.6132 0.6020	0.5637	0.7115	Ave		0.593 1				9.9		20.0			
1,2,4-Trimethylbenzene	3.4336	2.6611 3.2930	3.2012 3.3896	3.2236	3.8530	Ave		3.293 6				10.8		20.0			
sec-Butylbenzene	4.4140	3.6698 4.1592	4.3473 4.0558	4.2472	4.8681	Ave		4.251 6				8.6		20.0			
1,3-Dichlorobenzene	1.8865	1.6754 1.7960	1.8975 1.8680	1.8465	2.1250	Ave		1.870 7			0.6000	7.2		20.0			
p-Isopropyltoluene	3.7893	2.8423 3.6401	3.4887 3.7080	3.5169	4.0943	Ave		3.582 8				10.7		20.0			
1,4-Dichlorobenzene	1.9267	2.0274 1.8454	2.1366 1.9017	2.0319	2.2282	Ave		2.014 0			0.5000	6.7		20.0			
1,2,3-Trimethylbenzene	1.5617	1.4365 1.4891	1.6117 1.5490	1.5632	1.7229	Ave		1.562 0				5.8		20.0			
Benzyl chloride	0.3010	0.2237 0.3066	0.2551 0.3243	0.2847	0.3271	Ave		0.288 9				13.1		20.0			
n-Butylbenzene	1.9168	1.5923 1.8345	1.6753 1.9537	1.7590	2.0433	Ave		1.825 0				8.8		20.0			
1,2-Dichlorobenzene	1.7838	1.6664 1.7040	1.8495 1.7566	1.8164	2.0865	Ave		1.809 0			0.4000	7.6		20.0			
1,2-Dibromo-3-Chloropropane	0.1116	0.0876 0.1138	0.1058 0.1193	0.1042	0.1279	Ave		0.110 0			0.0500	11.6		20.0			
1,3,5-Trichlorobenzene	1.3711	1.1786 1.3300	1.3915 1.3971	1.3329	1.5342	Ave		1.362 2				7.8		20.0			

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 617959
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05 Calibration End Date: 03/17/2025 21:31 Calibration ID: 70829

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 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trichlorobenzene	1.1497	0.9170 1.1402	1.0688 1.1909	1.0538	1.2719	Ave		1.113 2			0.2000	10.2		20.0			
Hexachlorobutadiene	0.5295	0.4815 0.5128	0.5675 0.5437	0.5307	0.5816	Ave		0.535 3				6.2		20.0			
Naphthalene	2.3501	1.6338 2.3385	2.0105 2.3685	1.9688	2.5234	Ave		2.170 5				14.3		20.0			
1,2,3-Trichlorobenzene	1.0546	0.8641 1.0055	0.9379 1.0624	0.9779	1.1924	Ave		1.013 5				10.3		20.0			
Dibromofluoromethane (Surr)	0.2540 0.2449	0.2489 0.2460	0.2445 0.2446	0.2460	0.2474	Ave		0.247 0				1.3		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0498 0.0497	0.0502 0.0495	0.0504 0.0490	0.0514	0.0507	Ave		0.050 1				1.5		20.0			
Toluene-d8 (Surr)	1.2961 1.3122	1.3097 1.3174	1.3401 1.3019	1.3399	1.3220	Ave		1.317 4				1.2		20.0			
4-Bromofluorobenzene (Surr)	0.4571 0.4885	0.4757 0.4967	0.4782 0.4970	0.4840	0.4826	Ave		0.482 5				2.7		20.0			

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 617959
Environment Testing, LLC

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05 Calibration End Date: 03/17/2025 21:31 Calibration ID: 70829

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-617959/13	IM17X12.D
Level 2	IC 410-617959/14	IM17X13.D
Level 3	IC 410-617959/15	IM17X14.D
Level 4	IC 410-617959/16	IM17X15.D
Level 5	IC 410-617959/17	IM17X16.D
Level 6	IC 410-617959/18	IM17X17.D
Level 7	ICIS 410-617959/19	IM17X18.D
Level 8	IC 410-617959/20	IM17X19.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	1302 449036	17559 867503	45193 2220078	85602	169786	0.0200 5.00	0.200 10.0	0.500 25.0	1.00	2.00
Chloromethane	FB	Ave	2479 507423	21920 1040434	54554 2750277	104363	206882	0.0200 5.00	0.200 10.0	0.500 25.0	1.00	2.00
1,3-Butadiene	FB	Ave	2184 610590	31891 1180323	69955 3022408	128424	248817	0.0200 5.00	0.200 10.0	0.500 25.0	1.00	2.00
Vinyl chloride	FB	Ave	1454 462517	19295 950843	47192 2569365	92427	180868	0.0200 5.00	0.200 10.0	0.500 25.0	1.00	2.00
Bromomethane	FB	Ave	1724 351812	15019 731589	36960 1986971	70258	138216	0.0200 5.00	0.200 10.0	0.500 25.0	1.00	2.00
Chloroethane	FB	Ave	1034 291883	13013 600530	29095 1625711	54688	112147	0.0200 5.00	0.200 10.0	0.500 25.0	1.00	2.00
Dichlorofluoromethane	FB	Ave	3491 814725	34844 1672020	84242 4512774	157092	320227	0.0200 5.00	0.200 10.0	0.500 25.0	1.00	2.00
Trichlorofluoromethane	FB	Ave	1183 630193	24246 1259649	64126 3359846	121776	237806	0.0200 5.00	0.200 10.0	0.500 25.0	1.00	2.00
Ethyl ether	FB	Ave	264938	11202 567595	25177 1582602	54424	116381	5.00 10.00	0.200 10.00	0.500 25.0	1.000	2.00
Freon 123a	FB	Ave	851 433164	17590 884896	45040 2402656	85296	168528	0.0200 5.00	0.200 10.0	0.500 25.0	1.00	2.00
Acrolein	TBA d1 0	Ave	2077534	59710 4586971	147133 13559936	345870	726813	244	9.76 488	24.4 1220	48.8	97.6
1,1-Dichloroethene	FB	Ave	1123 314437	11968 625036	29655 1721357	60523	116657	0.0200 5.00	0.200 10.0	0.500 25.0	1.00	2.00
Acetone	TBA d1 0	Ave	575637	21374 1174556	54763 3237225	117725	231728	50.0	2.00 100	5.00 250	10.0	20.0
Freon 113	FB	Ave		12982	34665	71875	133976		0.200	0.500	1.00	2.00

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 617959
Environment Testing, LLC

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05 Calibration End Date: 03/17/2025 21:31 Calibration ID: 70829

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			370218	718353	1958549			5.00	10.0	25.0		
Methyl iodide	FB	Ave	668985	24366 1343815	58869 3718381	128483	249533	5.00	0.200 10.0	0.500 25.0	1.00	2.00
Ethyl bromide	FB	Ave	272975	11290 592486	28295 1629133	55578	119527	5.01	0.200 10.0	0.501 25.0	1.00	2.00
Carbon disulfide	FB	Ave	1005899	41726 2015469	93380 5505142	200281	386639	5.00	0.200 10.0	0.500 25.0	1.00	2.00
Methyl acetate	TBAD1 0	Ave	148932	+++++ 320622	12327 938012	22598	51392	5.00	+++++ 10.0	0.500 25.0	1.00	2.00
Allyl chloride	FB	Ave	528031	19098 1076622	47120 3031605	98594	189265	5.00	0.200 10.0	0.500 25.0	1.00	2.00
Methylene Chloride	FB	Ave	375422	14128 744972	34263 2055987	72244	143351	5.00	0.200 10.0	0.500 25.0	1.00	2.00
t-Butyl alcohol	TBAD1 0	Ave	375561	16650 784960	38725 2328220	83231	159338	100	4.00 200	10.0 500	20.0	40.0
Acrylonitrile	TBAD1 0	Ave	186885	+++++ 383552	+++++ 1116465	28170	65718	12.5	+++++ 25.0	+++++ 62.5	2.50	5.00
Methyl tert-butyl ether	FB	Ave	912490	32652 1897743	75593 5318132	167165	338289	5.00	0.200 10.0	0.500 25.0	1.00	2.00
trans-1,2-Dichloroethene	FB	Ave	362357	12621 719770	31615 2008826	69342	134047	5.00	0.200 10.0	0.500 25.0	1.00	2.00
n-Hexane	FB	Ave	538256	15923 1053642	43891 2928718	94190	186779	5.00	0.200 10.0	0.500 25.0	1.00	2.00
1,1-Dichloroethane	FB	Ave	690713	23911 1397471	61924 3827349	133737	256911	5.00	0.200 10.0	0.500 25.0	1.00	2.00
di-Isopropyl ether	FB	Ave	1150437	36608 2348680	92715 6577489	207198	413940	5.00	0.200 10.0	0.500 25.0	1.00	2.00
2-Chloro-1,3-butadiene	FB	Ave	555547	17725 1152715	43041 3235253	100661	204373	5.00	0.200 10.0	0.500 25.0	1.00	2.00
Ethyl t-butyl ether	FB	Ave	1063917	34931 2206742	86162 6201278	190295	387923	5.00	0.200 10.0	0.500 25.0	1.00	2.00
2-Butanone (MEK)	TBAD1 0	Ave	1078404	+++++ 2223160	68764 6229804	170489	396253	50.0	+++++ 100	5.00 250	10.0	20.0
cis-1,2-Dichloroethene	FB	Ave	426474	777 862331	36583 2385156	80659	159257	0.0200 5.00	0.200 10.0	0.500 25.0	1.00	2.00
2,2-Dichloropropane	FB	Ave	568514	20454 1144064	50926 3181990	107021	208007	5.00	0.200 10.0	0.500 25.0	1.00	2.00

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 617959
Environment Testing, LLC

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05 Calibration End Date: 03/17/2025 21:31 Calibration ID: 70829

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propionitrile	TBAd10	Ave		13746	40115	100593	211390		4.00	10.0	20.0	40.0
			577745	1238293	3616266			100	200	500		
Methacrylonitrile	TBAd10	Ave		30724	71945	196895	411089		2.00	5.00	10.0	20.0
			1112307	2326880	6534377			50.0	100	250		
Bromochloromethane	FB	Ave		6550	16754	36486	74623		0.200	0.500	1.00	2.00
			197640	404234	1117019			5.00	10.0	25.0		
Tetrahydrofuran	TBAd10	Ave		4000	12044	28742	62228		1.00	2.50	5.00	10.0
			161577	343194	915468			25.0	50.0	125		
Chloroform	FB	Ave		25238	62515	133234	262239		0.200	0.500	1.00	2.00
			704502	1424329	3891858			5.00	10.0	25.0		
1,1,1-Trichloroethane	FB	Ave		22650	52561	116253	220515		0.200	0.500	1.00	2.00
			601954	1201115	3296750			5.00	10.0	25.0		
Cyclohexane	FB	Ave		20351	54641	118901	230339		0.200	0.500	1.00	2.00
			645896	1285512	3557226			5.00	10.0	25.0		
Carbon tetrachloride	FB	Ave		18439	46454	101125	195613		0.200	0.500	1.00	2.00
			537473	1065827	2976831			5.00	10.0	25.0		
1,1-Dichloropropene	FB	Ave		18315	45159	102486	200050		0.200	0.500	1.00	2.00
			548847	1106272	3066005			5.00	10.0	25.0		
Isobutyl alcohol	TBAd10	Ave		13653	31385	66429	143547		10.0	25.0	50.0	100
			358137	768008	2129603			250	500	1250		
Benzene	FB	Ave		56461	139414	304188	604118		0.200	0.500	1.00	2.00
			1610340	3241142	8874944			5.00	10.0	25.0		
1,2-Dichloroethane	FB	Ave		16540	40001	84708	172034		0.200	0.500	1.00	2.00
			456200	938251	2526418			5.00	10.0	25.0		
t-Amyl methyl ether	FB	Ave		30183	77092	177707	363926		0.200	0.500	1.00	2.00
			996461	2070244	5769149			5.00	10.0	25.0		
n-Heptane	FB	Ave		17835	42754	93618	179366		0.200	0.500	1.00	2.00
			507805	1000807	2799116			5.00	10.0	25.0		
n-Butanol	TBAd10	Lin		+++++	25611	74464	184301		+++++	43.8	87.5	175
			547554	1216149	3534527			438	875	2188		
Trichloroethene	FB	Ave		1514	35274	79437	153520	0.0200	0.200	0.500	1.00	2.00
			420693	840412	2325645			5.00	10.0	25.0		
Methylcyclohexane	FB	Ave		19976	58852	125025	249774		0.200	0.500	1.00	2.00
			708157	1395288	3864888			5.00	10.0	25.0		
1,2-Dichloropropane	FB	Ave		14597	36245	79409	157767		0.200	0.500	1.00	2.00
			426263	866977	2433034			5.00	10.0	25.0		

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 617959
Environment Testing, LLC

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05 Calibration End Date: 03/17/2025 21:31 Calibration ID: 70829

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	TBA01	Ave		+++++	5158	15876	32232		+++++	25.0	50.0	100
			78301	172137	456429			250	500	1250		
Methyl methacrylate	TBA01	Ave		+++++	10096	29746	64133		+++++	0.500	1.00	2.00
			202395	422456	1262398			5.00	10.0	25.0		
Dibromomethane	FB	Ave		7149	17038	39592	79344		0.200	0.500	1.00	2.00
			212924	437982	1197792			5.00	10.0	25.0		
Bromodichloromethane	FB	Ave		17999	43379	97238	190658		0.200	0.500	1.00	2.00
			518479	1052683	2917500			5.00	10.0	25.0		
2-Nitropropane	TBA01	Ave		12162	29884	58906	120823		1.00	2.50	5.00	10.0
			337569	717770	2012071			25.0	50.0	125		
1-Bromo-2-chloroethane	FB	Ave		15795	37724	80689	173107		0.200	0.500	1.00	2.00
			401545	896678	2454414			5.00	10.0	25.0		
cis-1,3-Dichloropropene	FB	Ave		17521	45539	102535	210791		0.200	0.500	1.00	2.00
			605599	1270142	3626659			5.00	10.0	25.0		
4-Methyl-2-pentanone (MIBK)	TBA01	Ave		76900	207422	490507	1051687		2.00	5.00	10.0	20.0
			2968874	6141987	17034210			50.0	100	250		
Toluene	CBZd5	Ave		35430	87565	190100	373044		0.200	0.500	1.00	2.00
			1018093	2035073	5724327			5.00	10.0	25.0		
trans-1,3-Dichloropropene	CBZd5	Ave		14030	34672	88153	179798		0.200	0.500	1.00	2.00
			516959	1090525	3117732			5.00	10.0	25.0		
Ethyl methacrylate	CBZd5	Ave		+++++	27087	59170	143024		+++++	0.500	1.00	2.00
			427537	926652	2657190			5.00	10.0	25.0		
1,1,2-Trichloroethane	CBZd5	Ave		10696	26704	56373	110368		0.200	0.500	1.00	2.00
			300270	609961	1689096			5.00	10.0	25.0		
Tetrachloroethene	CBZd5	Ave		1918	16699	91012	175573	0.0200	0.200	0.500	1.00	2.00
			479532	954514	2672239			5.00	10.0	25.0		
1,3-Dichloropropane	CBZd5	Ave		17867	42630	96138	196754		0.200	0.500	1.00	2.00
			532072	1068090	2979287			5.00	10.0	25.0		
2-Hexanone	TBA01	Ave		49343	149709	337967	744279		2.00	5.00	10.0	20.0
			2094878	4407541	12319076			50.0	100	250		
Dibromochloromethane	CBZd5	Ave		11830	30764	68655	139541		0.200	0.500	1.00	2.00
			384743	794322	2243211			5.00	10.0	25.0		
1,2-Dibromoethane (EDB)	CBZd5	Ave		9113	23309	53380	108337		0.200	0.500	1.00	2.00
			296369	601165	1680441			5.00	10.0	25.0		
1-Chlorohexane	CBZd5	Ave		20043	44545	103657	198743		0.200	0.500	1.00	2.00
			558645	1149154	3269970			5.00	10.0	25.0		

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 617959
Environment Testing, LLC

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05 Calibration End Date: 03/17/2025 21:31 Calibration ID: 70829

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBZd5	Ave		42179	100892	225701	440950		0.200	0.500	1.00	2.00
			1185368	2396616	6733799			5.00	10.0	25.0		
1,1,1,2-Tetrachloroethane	CBZd5	Ave		13378	34776	77484	152891		0.200	0.500	1.00	2.00
			419128	842460	2402856			5.00	10.0	25.0		
Ethylbenzene	CBZd5	Ave		63615	164719	367278	735159		0.200	0.500	1.00	2.00
			2054022	4151451	11666486			5.00	10.0	25.0		
m&p-Xylene	CBZd5	Ave		49330	124602	287289	576959		0.400	1.00	2.00	4.00
			1616963	3265584	9119026			10.0	20.0	50.0		
o-Xylene	CBZd5	Ave		23243	59322	134672	275894		0.200	0.500	1.00	2.00
			766421	1586761	4504679			5.00	10.0	25.0		
Styrene	CBZd5	Ave		32018	86930	213631	425904		0.200	0.500	1.00	2.00
			1250561	2589171	7493215			5.00	10.0	25.0		
Bromoform	CBZd5	Ave		6594	18059	39206	81317		0.200	0.500	1.00	2.00
			228503	479236	1384685			5.00	10.0	25.0		
Isopropylbenzene	CBZd5	Ave		51888	137476	315315	639413		0.200	0.500	1.00	2.00
			1802969	3674824	10299232			5.00	10.0	25.0		
1,1,2,2-Tetrachloroethane	DCBd4	Ave		14173	34698	75867	153783		0.200	0.500	1.00	2.00
			417378	848239	2379856			5.00	10.0	25.0		
Bromobenzene	DCBd4	Ave		16388	41420	89625	185301		0.200	0.500	1.00	2.00
			498171	1017891	2907571			5.00	10.0	25.0		
trans-1,4-Dichloro-2-butene	TBA d10	Ave		25647	68128	163920	363087		2.00	5.00	10.0	20.0
			997142	2164989	6414948			50.0	100	250		
1,2,3-Trichloropropane	DCBd4	Ave		3727	9256	20688	42110		0.200	0.500	1.00	2.00
			113700	232052	637616			5.00	10.0	25.0		
N-Propylbenzene	DCBd4	Ave		74240	187312	435602	862898		0.200	0.500	1.00	2.00
			2492041	5025930	12937524			5.00	10.0	25.0		
2-Chlorotoluene	DCBd4	Ave		16516	41186	91783	182573		0.200	0.500	1.00	2.00
			501851	1028131	2881174			5.00	10.0	25.0		
1,3,5-Trimethylbenzene	DCBd4	Ave		50482	132885	302119	617966		0.200	0.500	1.00	2.00
			1729793	3560054	9996943			5.00	10.0	25.0		
4-Chlorotoluene	DCBd4	Ave		15876	40959	95585	190130		0.200	0.500	1.00	2.00
			526768	1057520	3029367			5.00	10.0	25.0		
tert-Butylbenzene	DCBd4	Ave		11958	30845	71346	144939		0.200	0.500	1.00	2.00
			402643	828530	2341570			5.00	10.0	25.0		
Pentachloroethane	DCBd4	Ave		9828	24606	53278	117225		0.200	0.500	1.00	2.00
			282715	640789	1834823			5.00	10.0	25.0		
1,2,4-Trimethylbenzene	DCBd4	Ave		48491	128458	304664	634832		0.200	0.500	1.00	2.00
			1777764	3662492	10331534			5.00	10.0	25.0		
sec-Butylbenzene	DCBd4	Ave		66871	174448	401402	802088		0.200	0.500	1.00	2.00

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 617959
Environment Testing, LLC

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05 Calibration End Date: 03/17/2025 21:31 Calibration ID: 70829

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			2285330	4625861	12362120			5.00	10.0	25.0		
1,3-Dichlorobenzene	DCBd4	Ave	976737	30530 1997542	76143 5693507	174510	350129	5.00	0.200 10.0	0.500 25.0	1.00	2.00
p-Isopropyltoluene	DCBd4	Ave	1961910	51793 4048586	139995 11301809	332380	674590	5.00	0.200 10.0	0.500 25.0	1.00	2.00
1,4-Dichlorobenzene	DCBd4	Ave	997564	36943 2052419	85736 5796258	192037	367128	5.00	0.200 10.0	0.500 25.0	1.00	2.00
1,2,3-Trimethylbenzene	DCBd4	Ave	808563	26176 1656217	64674 4721333	147743	283874	5.00	0.200 10.0	0.500 25.0	1.00	2.00
Benzyl chloride	DCBd4	Ave	155840	4077 340972	10238 988599	26909	53901	5.00	0.200 10.0	0.500 25.0	1.00	2.00
n-Butylbenzene	DCBd4	Ave	992428	29016 2040326	67225 5954848	166247	336658	5.00	0.200 10.0	0.500 25.0	1.00	2.00
1,2-Dichlorobenzene	DCBd4	Ave	923573	30366 1895168	74215 5353962	171667	343779	5.00	0.200 10.0	0.500 25.0	1.00	2.00
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	57764	1597 126594	4245 363600	9851	21074	5.00	0.200 10.0	0.500 25.0	1.00	2.00
1,3,5-Trichlorobenzene	DCBd4	Ave	709891	21477 1479204	55837 4258260	125970	252787	5.00	0.200 10.0	0.500 25.0	1.00	2.00
1,2,4-Trichlorobenzene	DCBd4	Ave	595239	16709 1268157	42887 3629811	99596	209563	5.00	0.200 10.0	0.500 25.0	1.00	2.00
Hexachlorobutadiene	DCBd4	Ave	274172	8774 570337	22773 1657265	50159	95828	5.00	0.200 10.0	0.500 25.0	1.00	2.00
Naphthalene	DCBd4	Ave	1216767	29772 2600870	80675 7218984	186075	415768	5.00	0.200 10.0	0.500 25.0	1.00	2.00
1,2,3-Trichlorobenzene	DCBd4	Ave	546016	15745 1118380	37636 3238162	92422	196463	5.00	0.200 10.0	0.500 25.0	1.00	2.00
Dibromofluoromethane (Surr)	FB	Ave	581709	466056 621958	530369 658129	545249	482107	10.0 10.0	10.0 10.0	10.0 10.0	10.0	10.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	118121	91457 107034 125073	95919 131850	113831	98794	10.0 10.0 10.0	10.0 10.0 10.0	10.0 10.0 10.0	10.0	10.0
Toluene-d8 (Surr)	CBZd5	Ave	2343118	1802768 2084615 2502545	1879976 2667403	2205075	1929130	10.0 10.0 10.0	10.0 10.0 10.0	10.0 10.0 10.0	10.0	10.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	872272	635726 943586	670865 1018318	796545	704162	10.0 10.0	10.0 10.0	10.0 10.0	10.0	10.0

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 Job No.: 410-224440-1 Analy Batch No.: 617959
Environment Testing, LLC

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05 Calibration End Date: 03/17/2025 21:31 Calibration ID: 70829

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-617959/13	IM17X12.D
Level 2	IC 410-617959/14	IM17X13.D
Level 3	IC 410-617959/15	IM17X14.D
Level 4	IC 410-617959/16	IM17X15.D
Level 5	IC 410-617959/17	IM17X16.D
Level 6	IC 410-617959/18	IM17X17.D
Level 7	ICIS 410-617959/19	IM17X18.D
Level 8	IC 410-617959/20	IM17X19.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #					LVL 7	LVL 8				
Dichlorodifluoromethane	-8.9	5.8	22.0	-0.8	11.9	-2.9	50	30	30	30	30	30
	-11.9	-15.2					30	30				
Chloromethane	34.7	2.5	14.3	-6.1	5.8	-14.8	50	30	30	30	30	30
	-17.9	-18.5					30	30				
1,3-Butadiene	0.7	26.6	24.5	-1.9	8.1	-13.0	50	30	30	30	30	30
	-21.0	-24.0					30	30				
Vinyl chloride	-6.1	7.4	17.6	-1.1	10.1	-7.7	50	30	30	30	30	30
	-10.8	-9.4					30	30				
Bromomethane	36.0	2.0	12.5	-8.2	2.7	-14.2	50	30	30	30	30	30
	-16.2	-14.5					30	30				
Chloroethane	4.7	13.5	13.7	-8.3	7.0	-8.7	50	30	30	30	30	30
	-11.7	-10.2					30	30				
Dichlorofluoromethane	22.7	5.4	14.2	-8.6	6.0	-11.5	50	30	30	30	30	30
	-14.7	-13.5					30	30				
Trichlorofluoromethane	-39.4	7.0	26.8	3.3	14.8	-0.2	50	30	30	30	30	30
	-6.3	-6.1					30	30				
Ethyl ether	4.9	5.6	-2.0	19.1	-11.0		50	30	30	30	30	30
	-10.4	-6.1					30	30				
Freon 123a	-38.3	9.8	26.0	2.4	15.0	-3.0	50	30	30	30	30	30
	-6.9	-5.0					30	30				
Acrolein	-20.3	-9.4	-9.5	7.8	8.1		50	30	30	30	30	30
	7.3	16.0					30	30				
1,1-Dichloroethene	9.3	0.3	11.4	-2.4	7.0	-5.4	50	30	30	30	30	30
	-11.7	-8.6					30	30				
Acetone	-6.0	11.0	1.5	13.2	-1.4		50	30	30	30	30	30
	-9.5	-8.8					30	30				
Freon 113	-4.1	14.7	2.1	8.2	-1.9		50	30	30	30	30	30
	-10.6	-8.4					30	30				

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 617959
Environment Testing, LLC

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05 Calibration End Date: 03/17/2025 21:31 Calibration ID: 70829

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Methyl iodide	-8.3	-1.4 -4.7	6.8	0.0	10.4	-2.8	30	50 30	30	30	30	30
Ethyl bromide	-10.2	1.5 -7.2	14.0	-3.9	17.6	-11.9	30	50 30	30	30	30	30
Carbon disulfide	-11.7	8.5 -9.3	8.7	0.1	9.9	-6.2	30	50 30	30	30	30	30
Methyl acetate	1.4	++++ 8.4	2.5	-20.1	3.0	4.7	30	30	50	30	30	30
Allyl chloride	-6.7	-1.8 -1.3	8.5	-2.5	6.4	-2.6	30	50 30	30	30	30	30
Methylene Chloride	-10.4	0.8 -7.1	9.5	-0.9	11.9	-3.9	30	50 30	30	30	30	30
t-Butyl alcohol	-13.9	4.2 -6.6	11.8	2.1	10.8	-8.4	30	50 30	30	30	30	30
Acrylonitrile	-1.1	++++ 5.3	++++	-18.8	7.5	7.1	30	30		50	30	30
Methyl tert-butyl ether	-4.3	-2.4 0.7	1.3	-3.9	10.6	-2.1	30	50 30	30	30	30	30
trans-1,2-Dichloroethene	-8.3	-4.6 -3.8	7.0	0.8	10.8	-1.8	30	50 30	30	30	30	30
n-Hexane	-4.2	-14.1 0.1	6.1	-2.3	10.2	4.2	30	50 30	30	30	30	30
1,1-Dichloroethane	-7.4	-6.0 -4.7	9.1	1.1	10.5	-2.6	30	50 30	30	30	30	30
di-Isopropyl ether	-3.0	-10.3 2.1	1.7	-2.4	10.9	1.1	30	50 30	30	30	30	30
2-Chloro-1,3-butadiene	-1.8	-10.5 3.5	-2.6	-2.2	12.9	0.7	30	50 30	30	30	30	30
Ethyl t-butyl ether	-2.5	-8.5 2.9	1.1	-4.1	11.1	0.0	30	50 30	30	30	30	30
2-Butanone (MEK)	1.6	++++ 4.1	-17.3	-12.8	14.8	9.6	30	30	50	30	30	30
cis-1,2-Dichloroethene	-39.0 -1.7	1.5 2.2	10.8	4.9	17.8	3.5	50 30	30	30	30	30	30
2,2-Dichloropropane	-7.8	-2.2 -3.6	9.1	-1.6	8.7	-2.5	30	50 30	30	30	30	30
Propionitrile	6.4	-32.6 13.6	-9.4	-3.4	15.1	10.3	30	50 30	30	30	30	30
Methacrylonitrile	4.1	-21.6 6.9	-15.3	-1.5	16.6	10.7	30	50 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 617959
Environment Testing, LLC

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05 Calibration End Date: 03/17/2025 21:31 Calibration ID: 70829

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Bromochloromethane	-5.0	-8.7 -1.4	4.6	-2.2	13.8	-1.1	30	50 30	30	30	30	30
Tetrahydrofuran	4.5	-30.5 2.0	-3.5	-2.1	20.2	9.4	30	50 30	30	30	30	30
Chloroform	-7.4	-2.7 -4.9	8.0	-1.2	10.6	-2.5	30	50 30	30	30	30	30
1,1,1-Trichloroethane	-8.8	2.0 -5.9	6.1	0.7	8.6	-2.7	30	50 30	30	30	30	30
Cyclohexane	-5.3	-11.1 -1.6	6.9	-0.1	10.0	1.2	30	50 30	30	30	30	30
Carbon tetrachloride	-7.7	-5.2 -3.1	7.0	-0.1	9.9	-0.9	30	50 30	30	30	30	30
1,1-Dichloropropene	-5.3	-7.0 -1.4	2.7	0.0	11.1	0.0	30	50 30	30	30	30	30
Isobutyl alcohol	-4.0	-2.6 -2.7	3.2	-7.1	13.8	-0.5	30	50 30	30	30	30	30
Benzene	-7.2	-4.1 -4.5	6.1	-0.7	12.2	-1.9	30	50 30	30	30	30	30
1,2-Dichloroethane	-6.0	-1.7 -4.9	6.5	-3.2	11.8	-2.7	30	50 30	30	30	30	30
t-Amyl methyl ether	-0.6	-14.1 4.0	-1.7	-2.7	13.3	1.8	30	50 30	30	30	30	30
n-Heptane	-7.3	-2.0 -2.6	5.2	-1.1	7.7	0.1	30	50 30	30	30	30	30
n-Butanol	-3.3	++++ 0.5	19.4	-2.3	6.6	0.1	30	30	50	30	30	30
Trichloroethene	12.8 -9.1	-2.0 -5.5	1.4	-2.0	7.7	-3.2	50 30	30 30	30	30	30	30
Methylcyclohexane	-3.8	-18.3 0.2	7.9	-1.7	11.7	3.9	30	50 30	30	30	30	30
1,2-Dichloropropane	-5.9	-6.0 -0.7	4.6	-1.7	11.1	-1.5	30	50 30	30	30	30	30
1,4-Dioxane	0.2	++++ -2.9	-21.0	3.4	19.0	1.3	30	30	50	30	30	30
Methyl methacrylate	8.4	++++ 18.4	-31.9	-14.7	4.3	15.4	30	30	50	30	30	30
Dibromomethane	-3.7	-6.8 -1.1	-0.5	-0.7	13.1	-0.4	30	50 30	30	30	30	30
Bromodichloromethane	-5.8	-4.4 -1.8	3.2	-0.7	10.7	-1.2	30	50 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 617959
Environment Testing, LLC

SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05 Calibration End Date: 03/17/2025 21:31 Calibration ID: 70829

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
2-Nitropropane	-1.7	-4.9 0.8	7.7	-9.7	5.0	2.8	30	50 30	30	30	30	30
1-Bromo-2-chloroethane	-5.7	-1.5 -3.0	5.4	-3.2	18.1	-10.1	30	50 30	30	30	30	30
cis-1,3-Dichloropropene	2.1	-16.5 9.5	-2.7	-6.0	9.9	3.6	30	50 30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	4.9	-25.0 6.4	-6.8	-6.3	13.9	12.8	30	50 30	30	30	30	30
Toluene	-7.7	-4.1 -3.7	7.6	-0.5	10.1	-1.7	30	50 30	30	30	30	30
trans-1,3-Dichloropropene	4.4	-19.8 10.7	-10.1	-2.6	12.1	5.3	30	50 30	30	30	30	30
Ethyl methacrylate	7.6	++++ 14.4	-14.9	-20.7	8.1	5.6	30	30	50	30	30	30
1,1,2-Trichloroethane	-7.3	-3.0 -4.8	9.9	-1.1	9.2	-2.9	30	50 30	30	30	30	30
Tetrachloroethene	22.0 -11.1	-7.2 -7.7	4.6	-2.1	6.5	-5.0	50 30	30	30	30	30	30
1,3-Dichloropropane	-5.6	-5.7 -2.3	2.1	-1.9	13.2	0.1	30	50 30	30	30	30	30
2-Hexanone	7.0	-31.6 9.4	-4.4	-8.2	14.6	13.1	30	50 30	30	30	30	30
Dibromochloromethane	-2.2	-13.1 2.4	2.6	-2.4	11.8	0.8	30	50 30	30	30	30	30
1,2-Dibromoethane (EDB)	-3.3	-12.5 0.3	1.6	-0.9	13.4	1.4	30	50 30	30	30	30	30
1-Chlorohexane	-4.7	-0.8 0.5	0.0	-0.8	7.3	-1.5	30	50 30	30	30	30	30
Chlorobenzene	-7.5	-2.9 -3.6	5.4	0.5	10.8	-2.7	30	50 30	30	30	30	30
1,1,1,2-Tetrachloroethane	-5.7	-10.7 -0.3	5.4	0.1	11.4	-0.2	30	50 30	30	30	30	30
Ethylbenzene	-3.6	-11.8 0.5	3.6	-1.5	11.2	1.5	30	50 30	30	30	30	30
m&p-Xylene	-2.6	-12.2 0.8	0.6	-1.1	12.0	2.6	30	50 30	30	30	30	30
o-Xylene	-1.1	-13.6 4.1	0.1	-3.1	11.9	1.6	30	50 30	30	30	30	30
Styrene	3.4	-23.7 11.0	-6.0	-1.5	10.7	6.2	30	50 30	30	30	30	30

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Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 617959
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05 Calibration End Date: 03/17/2025 21:31 Calibration ID: 70829

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Bromoform	0.3	-17.6 7.5	2.4	-5.3	10.8	1.8	30	50 30	30	30	30	30
Isopropylbenzene	-0.9	-16.5 3.0	0.4	-1.8	12.3	3.5	30	50 30	30	30	30	30
1,1,2,2-Tetrachloroethane	-6.8	-5.0 -4.6	5.7	-1.9	14.1	-1.5	30	50 30	30	30	30	30
Bromobenzene	-6.3	-7.9 -2.3	5.7	-2.9	15.2	-1.5	30	50 30	30	30	30	30
trans-1,4-Dichloro-2-butene	7.3	-27.5 16.3	-11.1	-9.1	14.2	9.9	30	50 30	30	30	30	30
1,2,3-Trichloropropane	-5.6	-7.5 -5.3	4.4	-1.0	15.6	-0.6	30	50 30	30	30	30	30
N-Propylbenzene	-1.7	-11.3 -7.6	1.6	0.3	14.0	4.7	30	50 30	30	30	30	30
2-Chlorotoluene	-5.5	-7.4 -3.4	4.9	-0.8	13.2	-1.0	30	50 30	30	30	30	30
1,3,5-Trimethylbenzene	-1.9	-15.1 0.5	1.4	-2.1	14.9	2.3	30	50 30	30	30	30	30
4-Chlorotoluene	-5.2	-13.1 -0.9	1.8	0.9	15.1	1.5	30	50 30	30	30	30	30
tert-Butylbenzene	-2.5	-14.1 0.5	0.6	-1.2	15.1	1.7	30	50 30	30	30	30	30
Pentachloroethane	-2.9	-9.1 1.5	3.4	-5.0	20.0	-7.9	30	50 30	30	30	30	30
1,2,4-Trimethylbenzene	0.0	-19.2 2.9	-2.8	-2.1	17.0	4.3	30	50 30	30	30	30	30
sec-Butylbenzene	-2.2	-13.7 -4.6	2.3	-0.1	14.5	3.8	30	50 30	30	30	30	30
1,3-Dichlorobenzene	-4.0	-10.4 -0.1	1.4	-1.3	13.6	0.8	30	50 30	30	30	30	30
p-Isopropyltoluene	1.6	-20.7 3.5	-2.6	-1.8	14.3	5.8	30	50 30	30	30	30	30
1,4-Dichlorobenzene	-8.4	0.7 -5.6	6.1	0.9	10.6	-4.3	30	50 30	30	30	30	30
1,2,3-Trimethylbenzene	-4.7	-8.0 -0.8	3.2	0.1	10.3	0.0	30	50 30	30	30	30	30
Benzyl chloride	6.1	-22.6 12.3	-11.7	-1.5	13.2	4.2	30	50 30	30	30	30	30
n-Butylbenzene	0.5	-12.7 7.1	-8.2	-3.6	12.0	5.0	30	50 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1 Analy Batch No.: 617959
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SDG No.:

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05 Calibration End Date: 03/17/2025 21:31 Calibration ID: 70829

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,2-Dichlorobenzene	-5.8	-7.9 -2.9	2.2	0.4	15.3	-1.4	30	50 30	30	30	30	30
1,2-Dibromo-3-Chloropropane	3.4	-20.4 8.4	-3.9	-5.3	16.2	1.4	30	50 30	30	30	30	30
1,3,5-Trichlorobenzene	-2.4	-13.5 2.6	2.2	-2.2	12.6	0.7	30	50 30	30	30	30	30
1,2,4-Trichlorobenzene	2.4	-17.6 7.0	-4.0	-5.3	14.3	3.3	30	50 30	30	30	30	30
Hexachlorobutadiene	-4.2	-10.1 1.6	6.0	-0.9	8.6	-1.1	30	50 30	30	30	30	30
Naphthalene	7.7	-24.7 9.1	-7.4	-9.3	16.3	8.3	30	50 30	30	30	30	30
1,2,3-Trichlorobenzene	-0.8	-14.7 4.8	-7.5	-3.5	17.6	4.1	30	50 30	30	30	30	30
Dibromofluoromethane (Surr)	2.8 -0.4	0.8 -1.0	-1.0	-0.4	0.2	-0.9	50 30	30 30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	-0.5 -1.2	0.3 -2.2	0.7	2.5	1.2	-0.7	50 30	30 30	30	30	30	30
Toluene-d8 (Surr)	-1.6 0.0	-0.6 -1.2	1.7	1.7	0.3	-0.4	50 30	30 30	30	30	30	30
4-Bromofluorobenzene (Surr)	-5.3 3.0	-1.4 3.0	-0.9	0.3	0.0	1.3	50 30	30 30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X12.D
 Lims ID: IC std1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 17-Mar-2025 19:05:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0141066-013
 Misc. Info.: IC STD1
 Operator ID: knk41612 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub2
 Method: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 19-Mar-2025 10:16:06 Calib Date: 17-Mar-2025 21:31:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1632

First Level Reviewer: K4WN

Date: 18-Mar-2025 08:05:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.825	1.806	0.019	1	1302	0.0200	0.0182	
4 Chloromethane	50	1.989	1.989	0.000	94	2479	0.0200	0.0269	
5 Vinyl chloride	62	2.093	2.099	-0.006	1	1454	0.0200	0.0188	
6 Butadiene	39	2.068	2.099	-0.031	31	2184	0.0200	0.0201	M
7 Bromomethane	94	2.398	2.404	-0.006	1	1724	0.0200	0.0272	M
8 Chloroethane	64	2.452	2.471	-0.019	1	1034	0.0200	0.0209	
9 Dichlorofluoromethane	67	2.690	2.696	-0.006	91	3491	0.0200	0.0245	
10 Trichlorofluoromethane	101	2.745	2.757	-0.012	0	1183	0.0200	0.0121	M
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.056	3.056	0.000	1	851	0.0200	0.0123	
15 1,1-Dichloroethene	96	3.239	3.257	-0.018	1	1123	0.0200	0.0219	
* 26 t-Butyl alcohol-d10 (IS)	65	3.885	3.885	0.000	22	142904	50.0	50.0	
39 cis-1,2-Dichloroethene	96	5.781	5.745	0.036	1	777	0.0200	0.0122	a
S 41 1,2-Dichloroethene, Total	100				0			0.0122	
\$ 49 Dibromofluoromethane (Surr)	113	6.452	6.452	0.000	93	466056	10.0	10.3	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.903	6.903	0.000	63	91457	10.0	9.95	
* 61 Fluorobenzene (IS)	96	7.342	7.348	-0.006	99	1835182	10.0	10.0	
64 Trichloroethene	95	7.842	7.830	0.012	7	1514	0.0200	0.0226	M
\$ 78 Toluene-d8 (Surr)	98	9.390	9.390	0.000	94	1802768	10.0	9.84	
101 Tetrachloroethene	166	10.042	10.042	0.000	89	1918	0.0200	0.0244	
* 107 Chlorobenzene-d5 (IS)	117	10.890	10.890	0.000	86	1390900	10.0	10.0	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.902	11.902	0.000	92	635726	10.0	9.47	
* 135 1,4-Dichlorobenzene-d4	152	12.786	12.786	0.000	95	766091	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCv_SIM_00073

Amount Added: 1.00

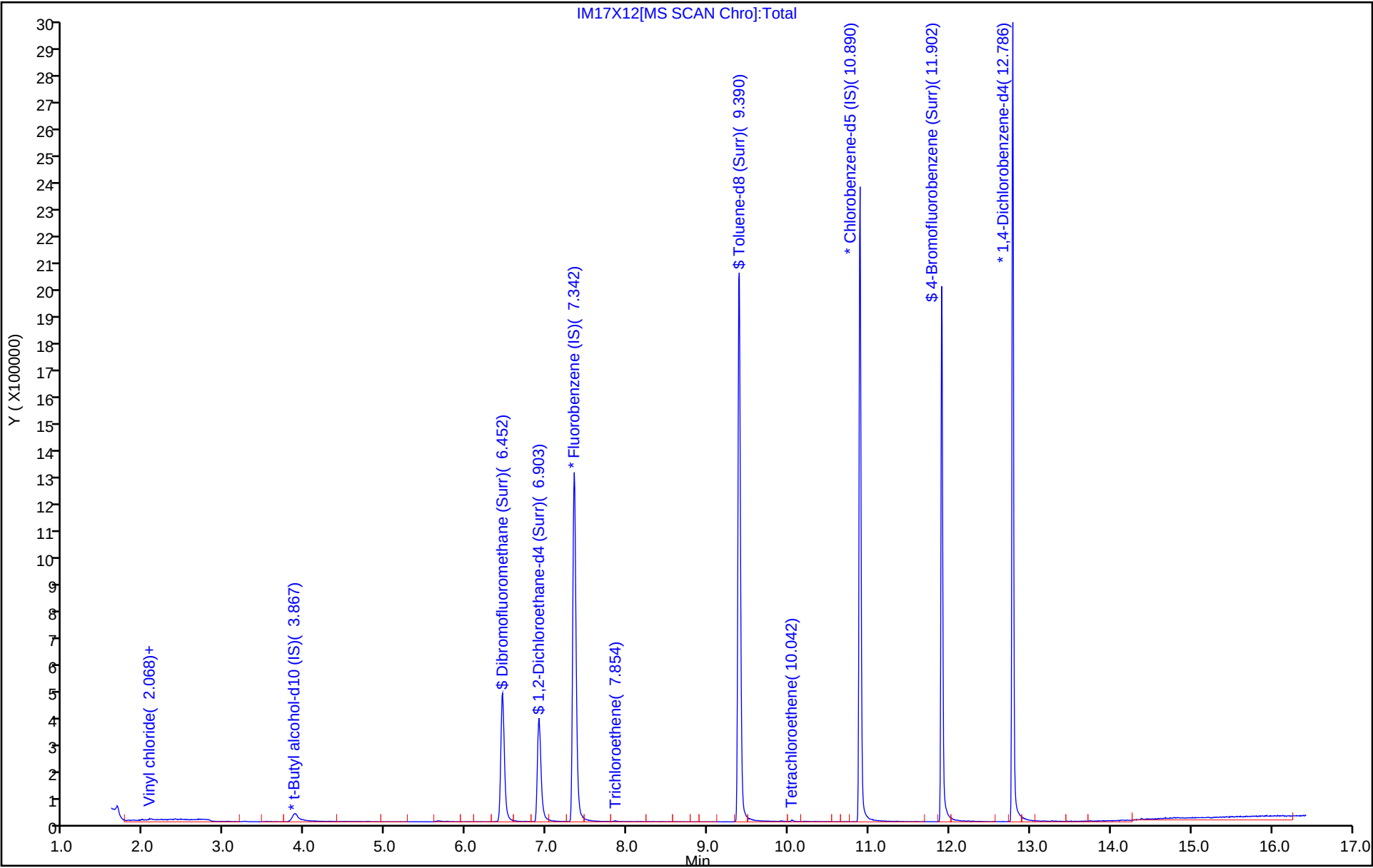
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MSV_LLcentISS_00016

Amount Added: 5.00

Units: uL

Run Reagent



Eurofins Lancaster Laboratories Environment Testing, LLC

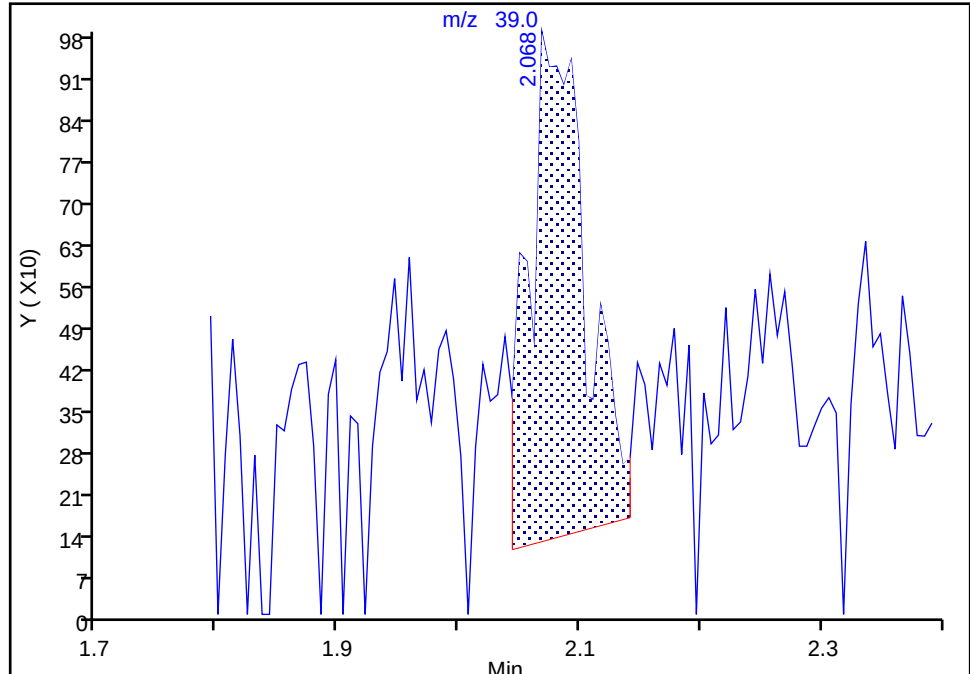
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Injection Date: 17-Mar-2025 19:05:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

6 Butadiene, CAS: 106-99-0

Signal: 1

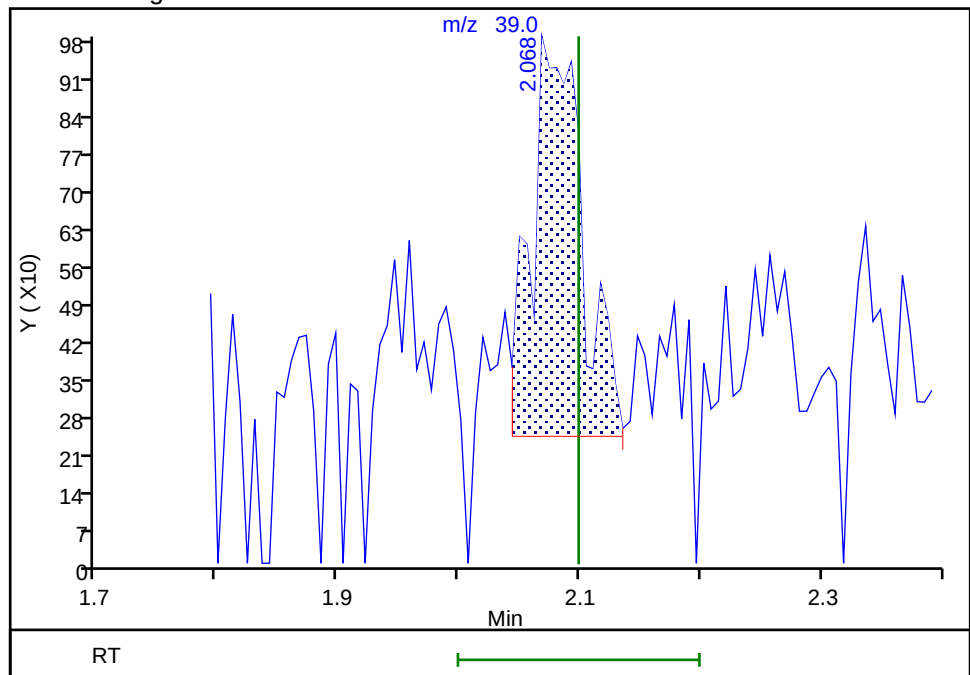
RT: 2.07
Area: 2828
Amount: 0.025148
Amount Units: ug/l

Processing Integration Results



RT: 2.07
Area: 2184
Amount: 0.020142
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:15:01 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

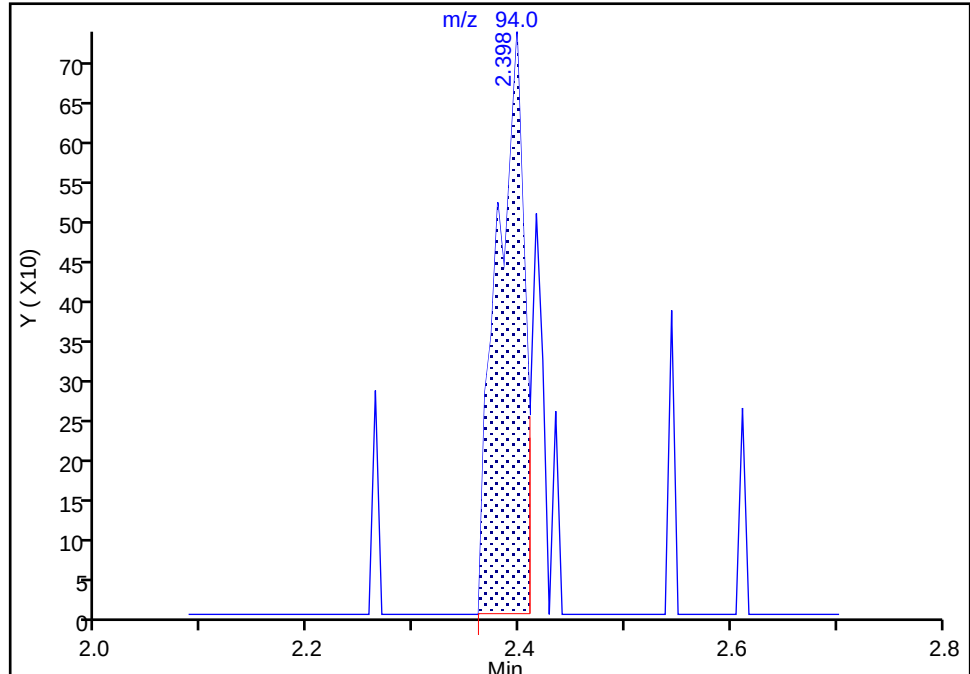
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Injection Date: 17-Mar-2025 19:05:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

7 Bromomethane, CAS: 74-83-9

Signal: 1

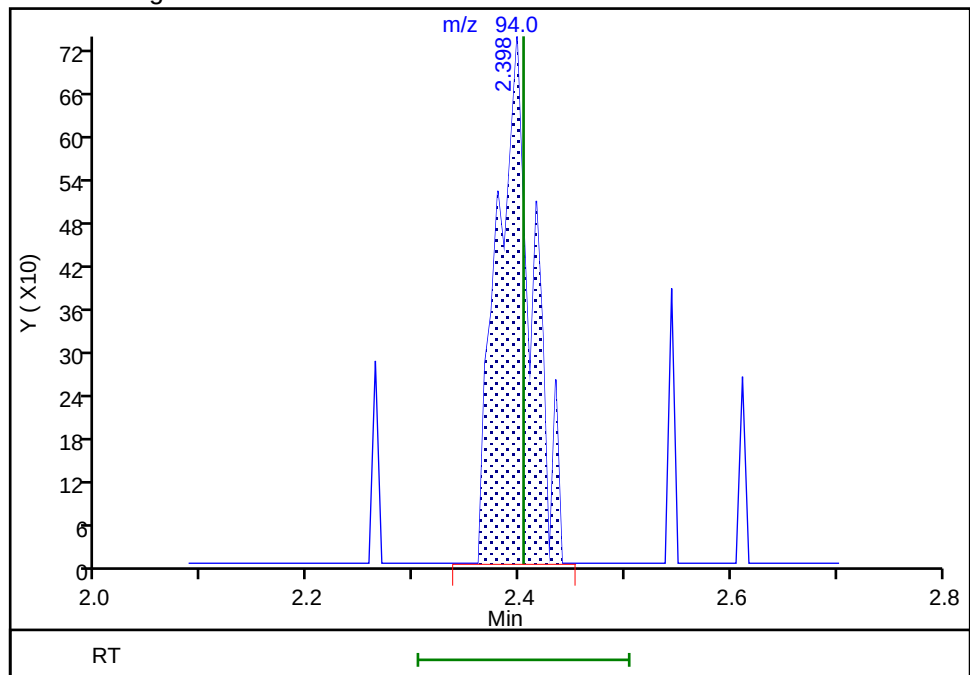
RT: 2.40
Area: 1329
Amount: 0.021816
Amount Units: ug/l

Processing Integration Results



RT: 2.40
Area: 1724
Amount: 0.027198
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:15:06 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

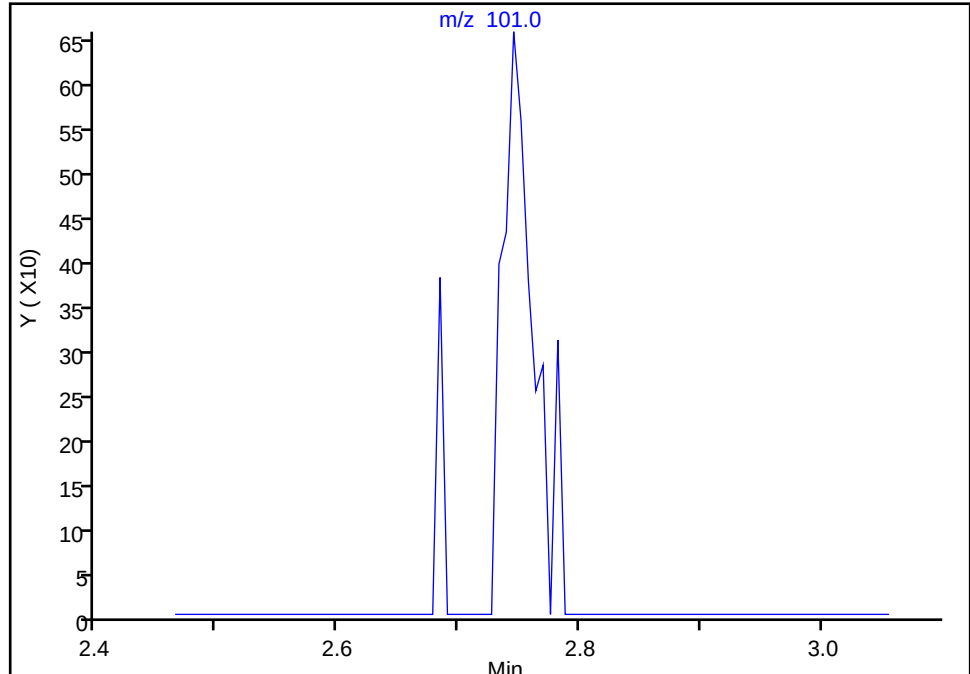
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Injection Date: 17-Mar-2025 19:05:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

10 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

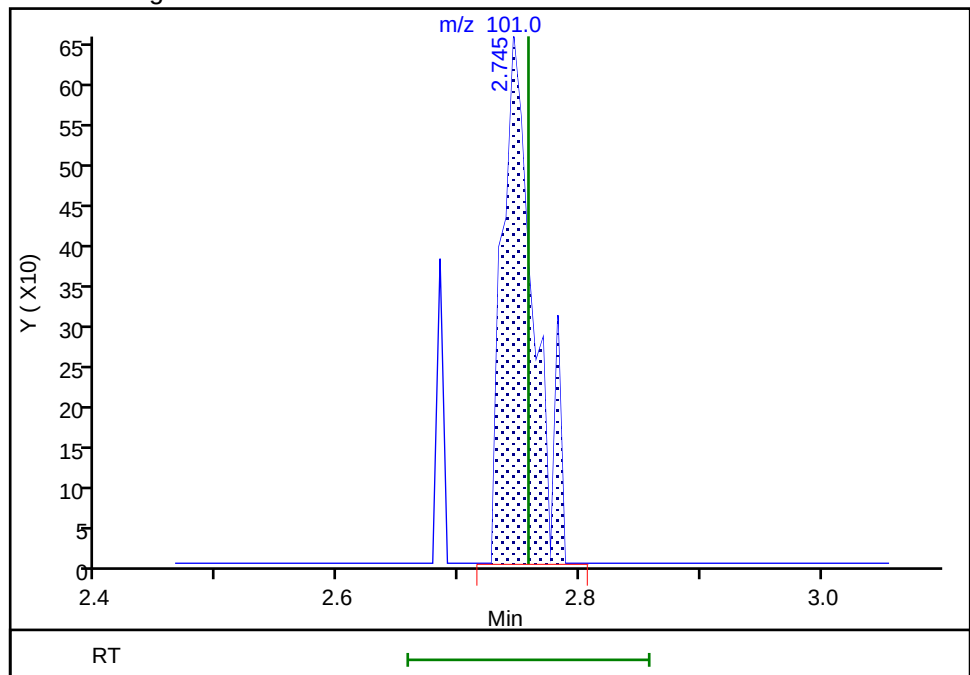
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Expected RT: 2.76

Processing Integration Results



RT: 2.75
Area: 1183
Amount: 0.012125
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:15:12 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

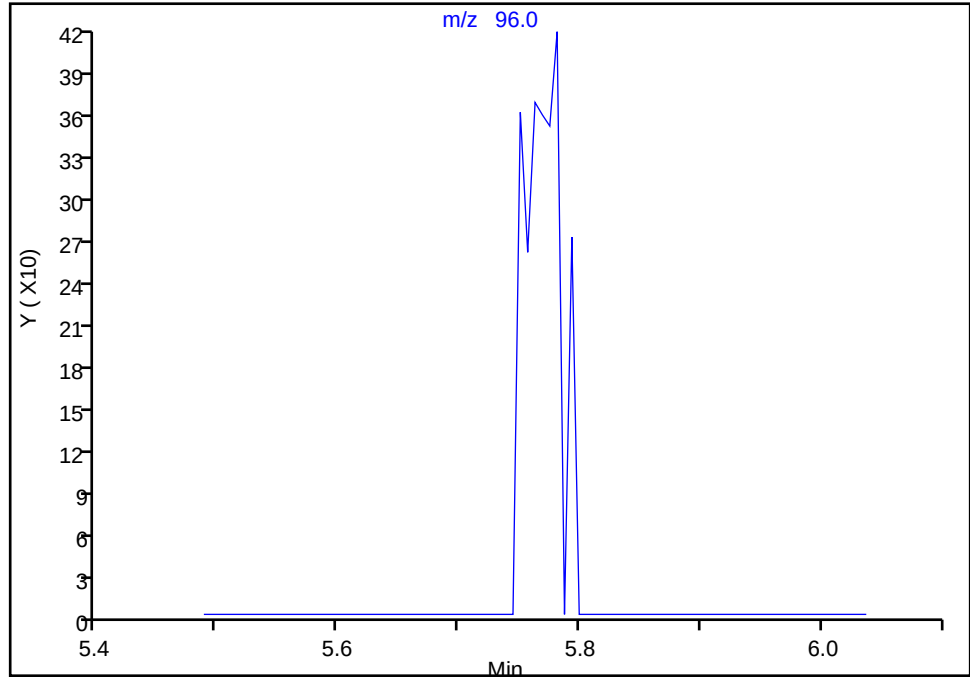
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Injection Date: 17-Mar-2025 19:05:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

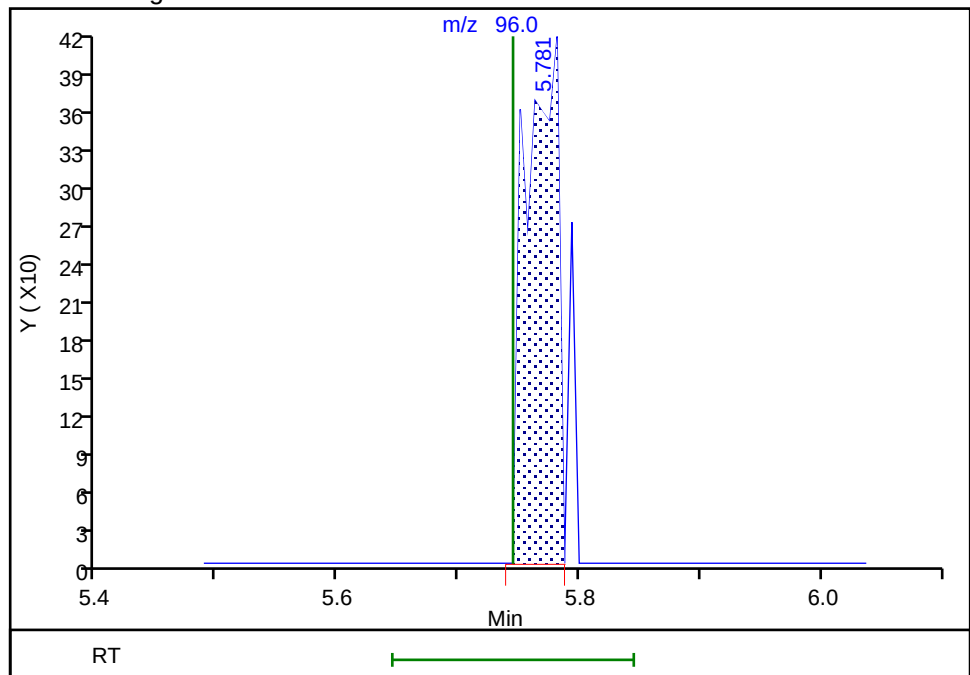
Not Detected
Expected RT: 5.74

Processing Integration Results



RT: 5.78
Area: 777
Amount: 0.012204
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:15:19 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

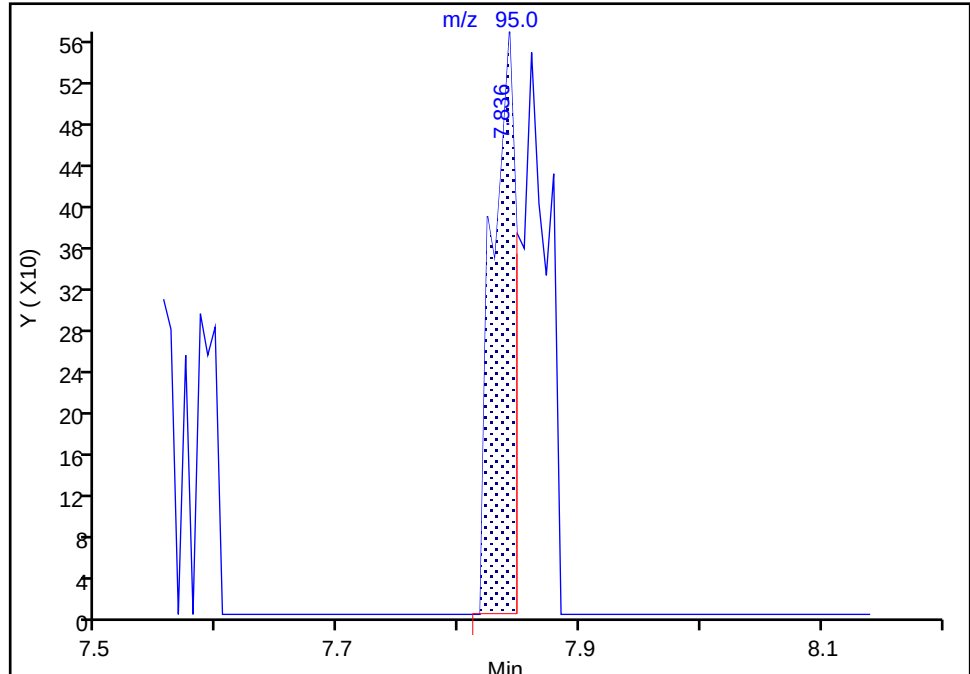
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Injection Date: 17-Mar-2025 19:05:30 Instrument ID: 19930
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

64 Trichloroethene, CAS: 79-01-6

Signal: 1

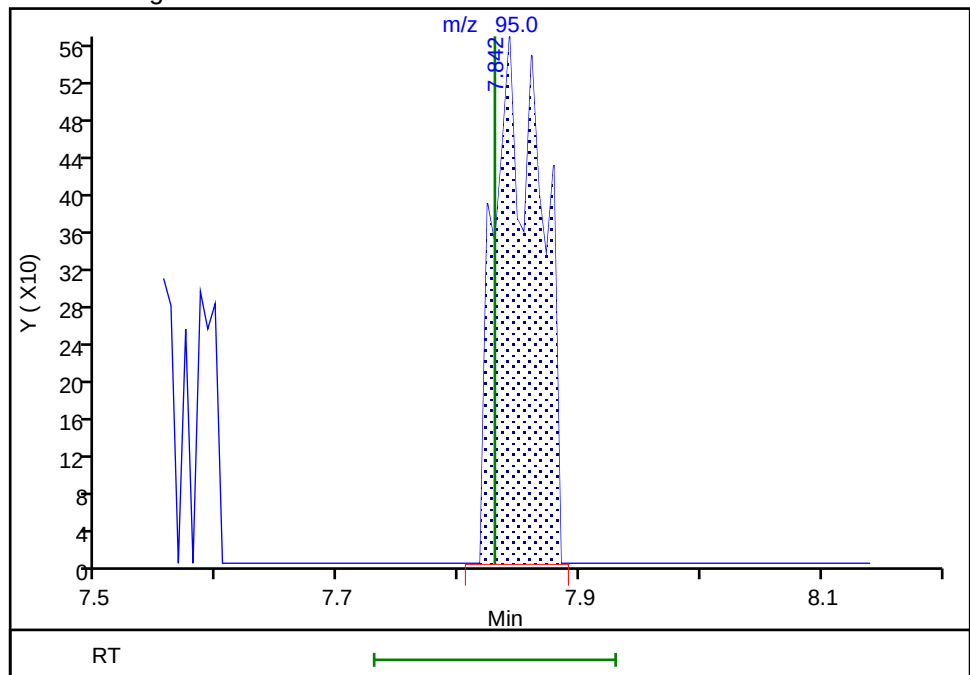
RT: 7.84
Area: 767
Amount: 0.019898
Amount Units: ug/l

Processing Integration Results



RT: 7.84
Area: 1514
Amount: 0.022554
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:15:27 -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\20250317-141066.b\IM17X13.D
 Lims ID: IC std2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 17-Mar-2025 19:25:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0141066-014
 Misc. Info.: IC STD2
 Operator ID: knk41612 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub2
 Method: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 19-Mar-2025 10:16:11 Calib Date: 17-Mar-2025 21:31:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1632

First Level Reviewer: K4WN

Date: 18-Mar-2025 08:19:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.813	1.806	0.007	99	17559	0.2000	0.2116	
4 Chloromethane	50	1.989	1.989	0.000	99	21920	0.2000	0.2051	
5 Vinyl chloride	62	2.093	2.099	-0.006	84	19295	0.2000	0.2147	
6 Butadiene	39	2.099	2.099	0.000	97	31891	0.2000	0.2533	
7 Bromomethane	94	2.404	2.404	0.000	88	15019	0.2000	0.2041	
8 Chloroethane	64	2.465	2.471	-0.006	97	13013	0.2000	0.2270	
9 Dichlorofluoromethane	67	2.696	2.696	0.000	97	34844	0.2000	0.2109	
10 Trichlorofluoromethane	101	2.764	2.757	0.007	96	24246	0.2000	0.2140	
11 Ethyl ether	59	2.983	2.971	0.012	93	11202	0.2000	0.2097	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.062	3.056	0.006	87	17590	0.2000	0.2196	
14 Acrolein	56	3.148	3.123	0.025	99	59710	9.76	7.78	
15 1,1-Dichloroethene	96	3.263	3.257	0.006	96	11968	0.2000	0.2007	
16 Acetone	43	3.318	3.282	0.036	89	21374	2.00	1.88	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.294	3.294	0.000	79	12982	0.2000	0.1917	
18 Iodomethane	142	3.428	3.440	-0.012	98	24366	0.2000	0.1972	
19 Ethyl bromide	108	3.465	3.458	0.007	98	11290	0.2003	0.2034	
20 Carbon disulfide	76	3.538	3.538	0.000	100	41726	0.2000	0.2169	
23 Methyl acetate	43		3.672				ND	ND	U
24 3-Chloro-1-propene	41	3.696	3.690	0.006	89	19098	0.2000	0.1964	
25 Methylene Chloride	84	3.867	3.861	0.006	79	14128	0.2000	0.2016	
* 26 t-Butyl alcohol-d10 (IS)	65	3.885	3.885	0.000	86	173186	50.0	50.0	
27 2-Methyl-2-propanol	59	3.995	3.989	0.006	96	16650	4.00	4.17	
28 Acrylonitrile	53		4.178				ND	ND	
29 Methyl tert-butyl ether	73	4.233	4.233	0.000	95	32652	0.2000	0.1953	
30 trans-1,2-Dichloroethene	96	4.269	4.245	0.024	98	12621	0.2000	0.1907	
31 Hexane	57	4.672	4.672	0.000	93	15923	0.2000	0.1718	
32 1,1-Dichloroethane	63	4.916	4.903	0.013	96	23911	0.2000	0.1880	
35 Isopropyl ether	45	4.977	4.964	0.013	90	36608	0.2000	0.1793	
36 2-Chloro-1,3-butadiene	53	5.038	5.019	0.019	91	17725	0.2000	0.1791	
37 Tert-butyl ethyl ether	59	5.519	5.513	0.006	96	34931	0.2000	0.1830	

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	5.836	5.720	0.116	19	20496	2.00	1.07	Ma
39 cis-1,2-Dichloroethene	96	5.775	5.745	0.030	83	15004	0.2000	0.2029	
40 2,2-Dichloropropane	77	5.751	5.757	-0.006	69	20454	0.2000	0.1955	
43 Propionitrile	54	5.897	5.799	0.098	32	13746	4.00	2.69	Ma
45 Methacrylonitrile	67	6.056	6.019	0.037	90	30724	2.00	1.57	
46 Chlorobromomethane	128	6.086	6.080	0.006	88	6550	0.2000	0.1826	
47 Tetrahydrofuran	71	6.141	6.092	0.049	81	4000	1.00	0.6951	
S 41 1,2-Dichloroethene, Total	100				0			0.3937	
48 Chloroform	83	6.238	6.238	0.000	93	25238	0.2000	0.1947	
\$ 49 Dibromofluoromethane (Surr)	113	6.458	6.452	0.006	93	530369	10.0	10.1	
50 1,1,1-Trichloroethane	97	6.464	6.458	0.006	37	22650	0.2000	0.2041	
51 Cyclohexane	56	6.568	6.561	0.007	92	20351	0.2000	0.1778	
54 Carbon tetrachloride	117	6.677	6.671	0.006	95	18439	0.2000	0.1895	
53 1,1-Dichloropropene	75	6.677	6.677	0.000	92	18315	0.2000	0.1859	
55 Isobutyl alcohol	41	6.891	6.836	0.055	30	13653	10.0	9.74	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.903	6.903	0.000	66	107034	10.0	10.0	
57 Benzene	78	6.940	6.933	0.007	95	56461	0.2000	0.1918	
58 1,2-Dichloroethane	62	7.025	7.013	0.012	96	16540	0.2000	0.1966	
60 Tert-amyl methyl ether	73	7.135	7.135	0.000	96	30183	0.2000	0.1718	
* 61 Fluorobenzene (IS)	96	7.348	7.348	0.000	99	2130985	10.0	10.0	
62 n-Heptane	43	7.372	7.366	0.006	64	17835	0.2000	0.1959	
63 n-Butanol	56		7.726				ND	ND	
64 Trichloroethene	95	7.848	7.830	0.018	97	15271	0.2000	0.1959	
65 Methylcyclohexane	83	8.134	8.134	0.000	85	19976	0.2000	0.1634	
66 1,2-Dichloropropane	63	8.171	8.159	0.012	76	14597	0.2000	0.1880	
68 1,4-Dioxane	88	8.293	8.250	0.043	37	976	10.0	3.24	M
67 Methyl methacrylate	69	8.330	8.256	0.074	33	2673	0.2000	0.0782	Ma
69 Dibromomethane	93	8.275	8.268	0.007	96	7149	0.2000	0.1864	a
71 Dichlorobromomethane	83	8.506	8.506	0.000	89	17999	0.2000	0.1912	
72 2-Nitropropane	41	8.775	8.768	0.007	94	12162	1.00	0.9507	
75 1-Bromo-2-chloroethane	63	8.921	8.896	0.025	96	15795	0.2000	0.1971	
76 cis-1,3-Dichloropropene	75	9.085	9.067	0.018	95	17521	0.2000	0.1671	
77 4-Methyl-2-pentanone (MIBK)	43	9.256	9.250	0.006	98	76900	2.00	1.50	
\$ 78 Toluene-d8 (Surr)	98	9.390	9.390	0.000	94	2084615	10.0	9.94	
79 Toluene	92	9.482	9.469	0.013	97	35430	0.2000	0.1918	
97 trans-1,3-Dichloropropene	75	9.774	9.744	0.030	93	14030	0.2000	0.1603	
99 Ethyl methacrylate	69	9.848	9.811	0.037	82	8649	0.2000	0.1198	
100 1,1,2-Trichloroethane	97	9.963	9.951	0.012	90	10696	0.2000	0.1940	
101 Tetrachloroethene	166	10.043	10.042	0.001	94	16699	0.2000	0.1856	
S 98 1,3-Dichloropropene, Total	100				0			0.3274	
102 1,3-Dichloropropane	76	10.128	10.116	0.012	91	17867	0.2000	0.1886	
103 2-Hexanone	43	10.207	10.171	0.036	97	49343	2.00	1.37	
105 Chlorodibromomethane	129	10.335	10.335	0.000	89	11830	0.2000	0.1739	
106 Ethylene Dibromide	107	10.463	10.451	0.012	98	9113	0.2000	0.1750	
* 107 Chlorobenzene-d5 (IS)	117	10.890	10.890	0.000	86	1591685	10.0	10.0	
108 1-Chlorohexane	91	10.908	10.902	0.006	73	20043	0.2000	0.1983	
109 Chlorobenzene	112	10.921	10.914	0.006	97	42179	0.2000	0.1942	
111 1,1,1,2-Tetrachloroethane	131	11.000	11.000	0.000	88	13378	0.2000	0.1787	
112 Ethylbenzene	91	11.012	11.006	0.006	98	63615	0.2000	0.1764	
113 m-Xylene & p-Xylene	106	11.134	11.122	0.012	94	49330	0.4000	0.3511	
S 110 Xylenes, Total	106				0			0.5239	
114 o-Xylene	106	11.457	11.457	0.000	96	23243	0.2000	0.1729	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
115 Styrene	104	11.487	11.469	0.018	94	32018	0.2000	0.1526	a
116 Bromoform	173	11.628	11.628	0.000	93	6594	0.2000	0.1648	
117 Isopropylbenzene	105	11.762	11.756	0.006	96	51888	0.2000	0.1670	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.902	11.902	0.000	91	757153	10.0	9.86	
121 1,1,2,2-Tetrachloroethane	83	12.012	12.006	0.006	92	14173	0.2000	0.1901	a
122 Bromobenzene	156	12.024	12.018	0.006	92	16388	0.2000	0.1842	
123 trans-1,4-Dichloro-2-butene	53	12.042	12.030	0.012	93	25647	2.00	1.45	
124 1,2,3-Trichloropropane	110	12.054	12.048	0.006	77	3727	0.2000	0.1851	
125 N-Propylbenzene	91	12.091	12.091	0.000	99	74240	0.2000	0.1773	
126 2-Chlorotoluene	126	12.164	12.164	0.000	97	16516	0.2000	0.1852	
127 1,3,5-Trimethylbenzene	105	12.231	12.225	0.006	95	50482	0.2000	0.1697	
128 4-Chlorotoluene	126	12.268	12.255	0.013	95	15876	0.2000	0.1738	
129 tert-Butylbenzene	134	12.469	12.469	0.000	94	11958	0.2000	0.1717	
130 Pentachloroethane	167	12.499	12.499	0.000	81	9828	0.2000	0.1819	
131 1,2,4-Trimethylbenzene	105	12.518	12.512	0.006	98	48491	0.2000	0.1616	
132 sec-Butylbenzene	105	12.634	12.633	0.001	95	66871	0.2000	0.1726	
133 1,3-Dichlorobenzene	146	12.737	12.725	0.012	98	30530	0.2000	0.1791	
134 4-Isopropyltoluene	119	12.743	12.737	0.006	97	51793	0.2000	0.1587	
* 135 1,4-Dichlorobenzene-d4	152	12.786	12.786	0.000	95	911111	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.804	12.804	0.000	94	36943	0.2000	0.2013	
137 1,2,3-Trimethylbenzene	120	12.816	12.810	0.006	96	26176	0.2000	0.1839	
138 Benzyl chloride	126	12.896	12.877	0.019	98	4077	0.2000	0.1549	
139 n-Butylbenzene	92	13.036	13.030	0.006	97	29016	0.2000	0.1745	
140 1,2-Dichlorobenzene	146	13.066	13.060	0.006	97	30366	0.2000	0.1842	
142 1,2-Dibromo-3-Chloropropane	155	13.609	13.603	0.006	82	1597	0.2000	0.1593	
143 1,3,5-Trichlorobenzene	180	13.737	13.725	0.012	97	21477	0.2000	0.1730	
144 1,2,4-Trichlorobenzene	180	14.158	14.145	0.013	92	16709	0.2000	0.1647	
145 Hexachlorobutadiene	225	14.231	14.231	0.000	95	8774	0.2000	0.1799	
146 Naphthalene	128	14.341	14.322	0.019	98	29772	0.2000	0.1505	
147 1,2,3-Trichlorobenzene	180	14.475	14.468	0.007	93	15745	0.2000	0.1705	
156 p-Diethylbenzene	1		0.000				ND	ND	
155 2-Methylnaphthalene	142		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		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_00162	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00172	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00262	Amount Added: 2.00	Units: uL	
MSV_LLcentISS_00016	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 19-Mar-2025 10:16:12

Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X13.D

Injection Date: 17-Mar-2025 19:25:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: IC std2

Worklist Smp#: 14

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

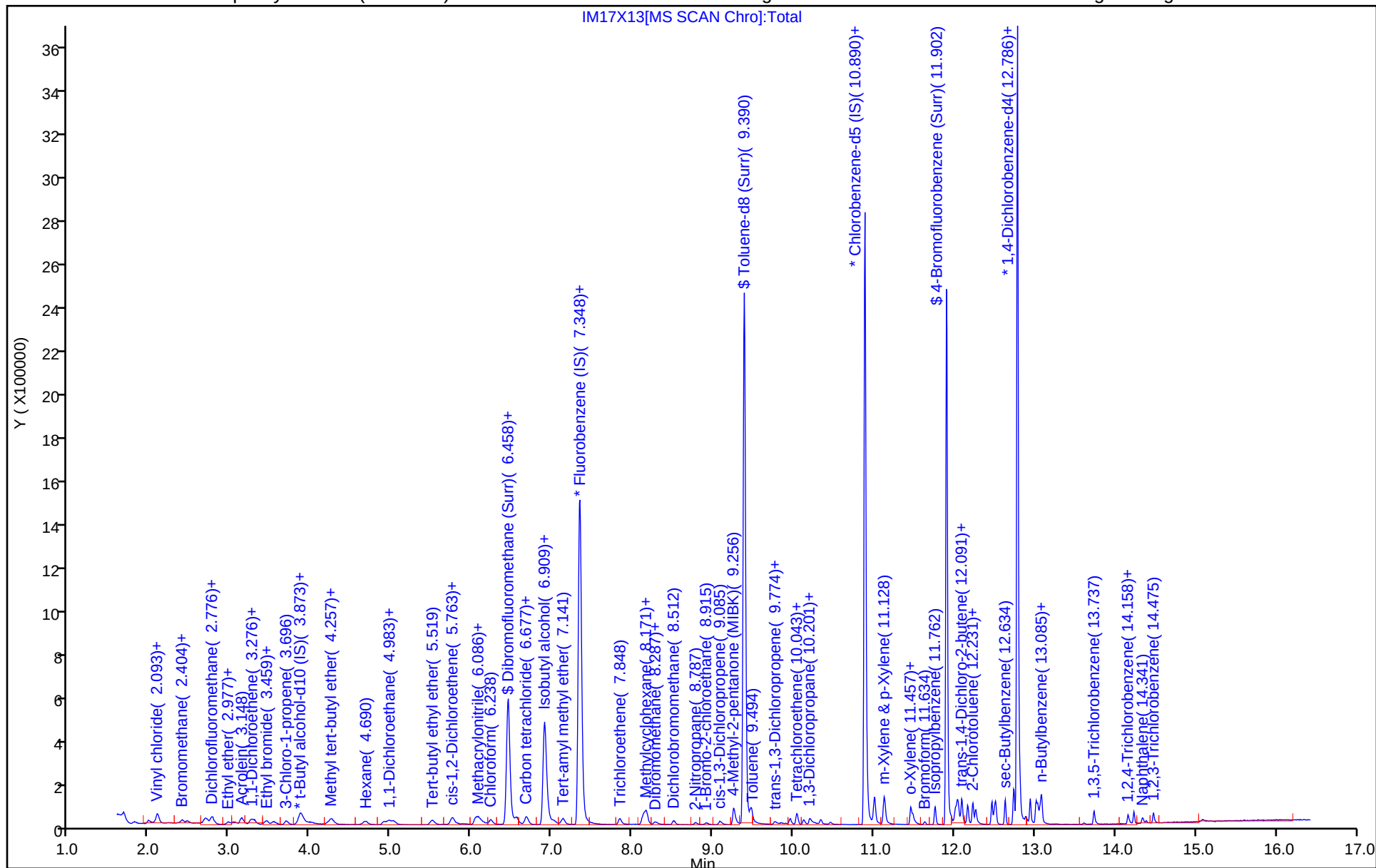
ALS Bottle#: 13

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

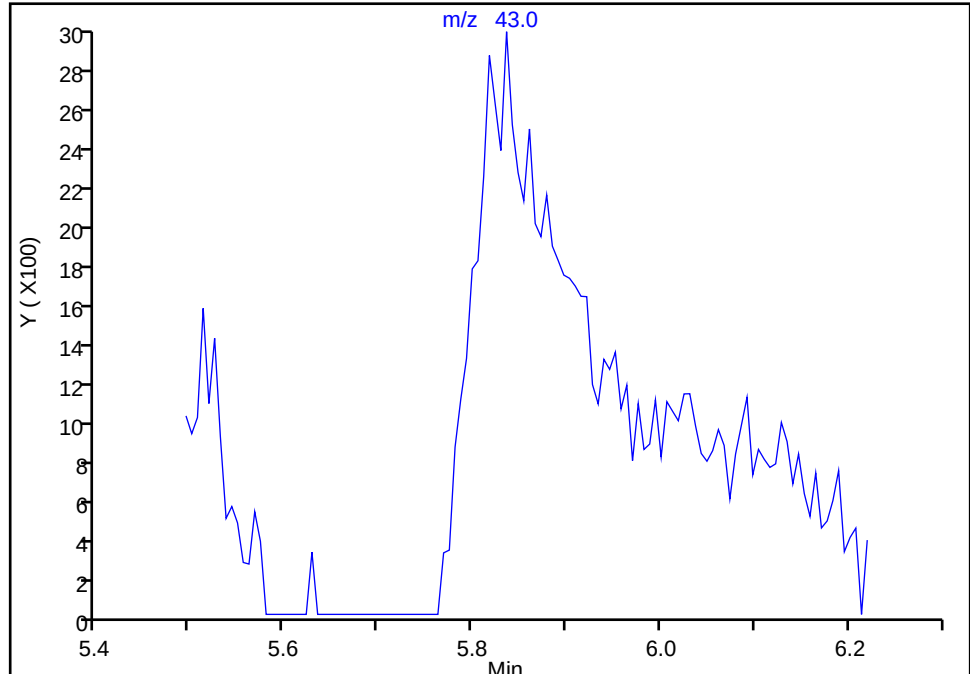
Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X13.D
Injection Date: 17-Mar-2025 19:25:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

38 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

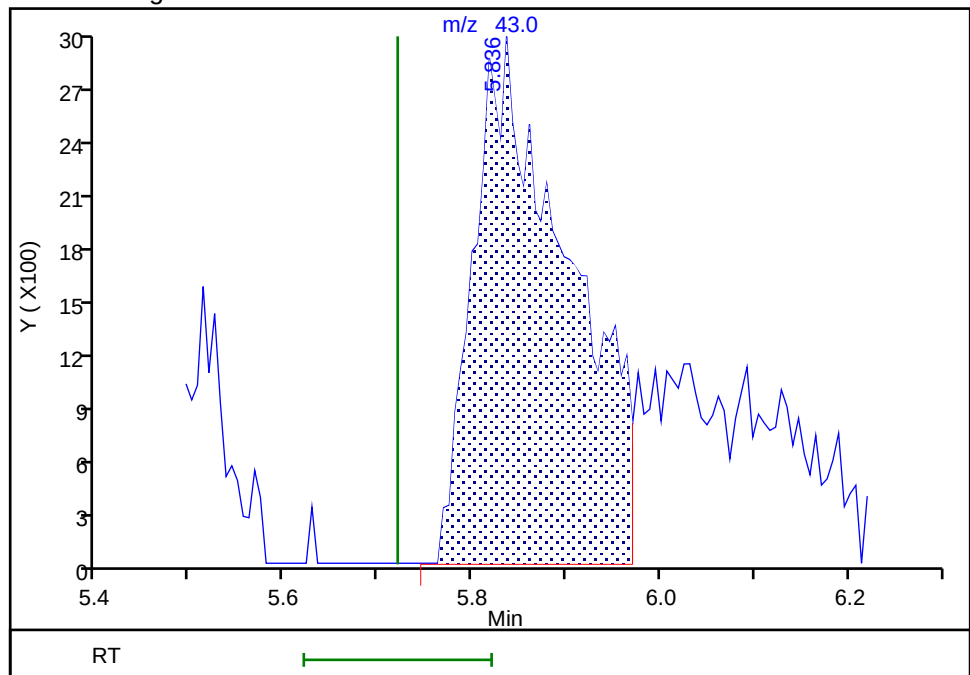
Not Detected
Expected RT: 5.72

Processing Integration Results



RT: 5.84
Area: 20496
Amount: 1.068904
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:17:58 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

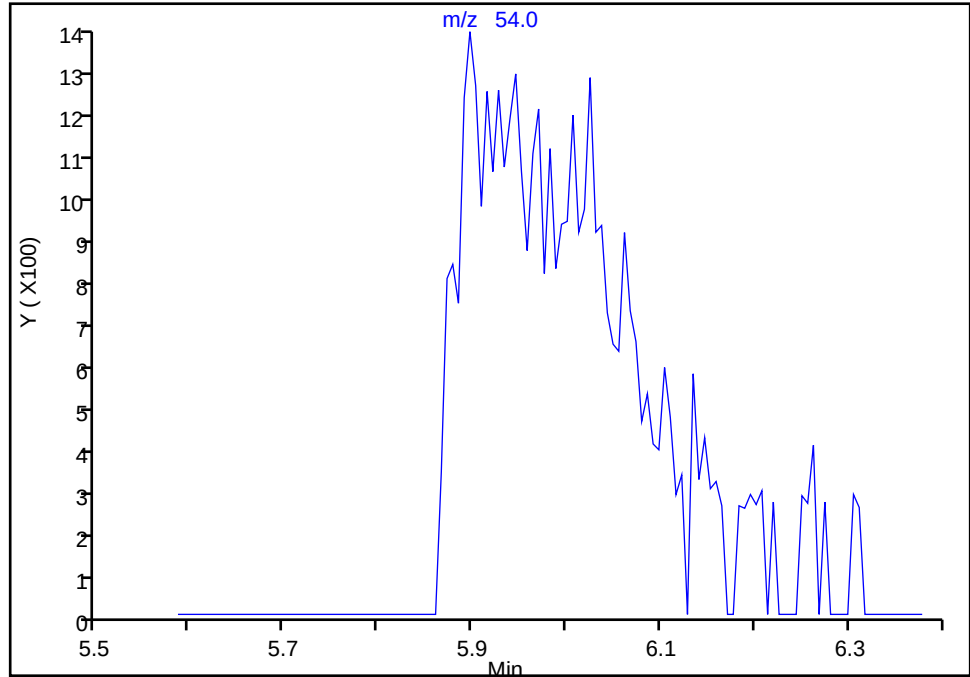
Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X13.D
Injection Date: 17-Mar-2025 19:25:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

43 Propionitrile, CAS: 107-12-0

Signal: 1

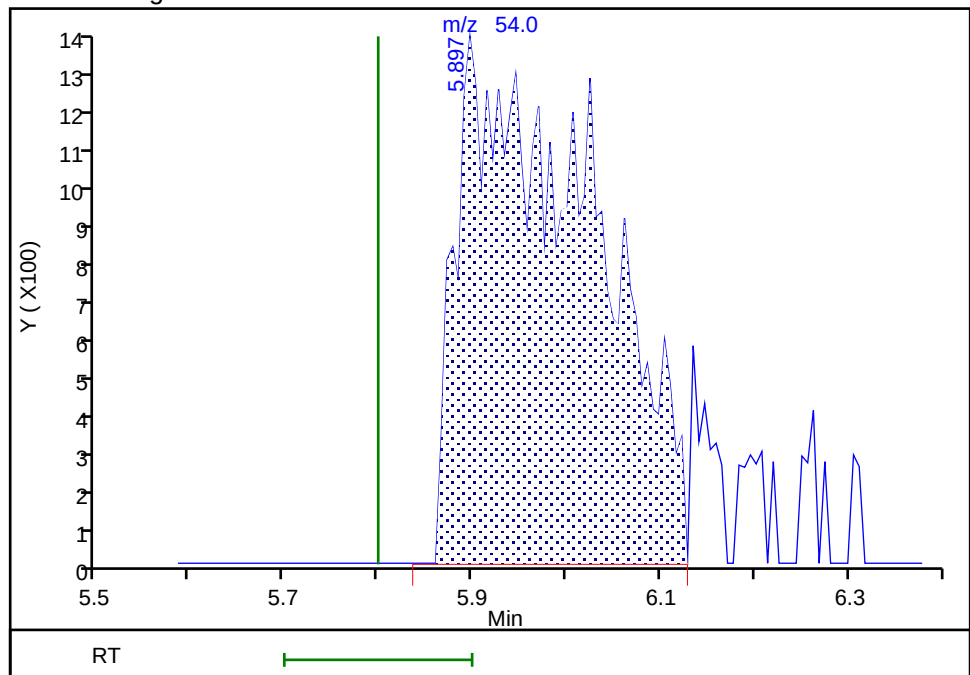
Not Detected
Expected RT: 5.80

Processing Integration Results



RT: 5.90
Area: 13746
Amount: 2.694202
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:18:26 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

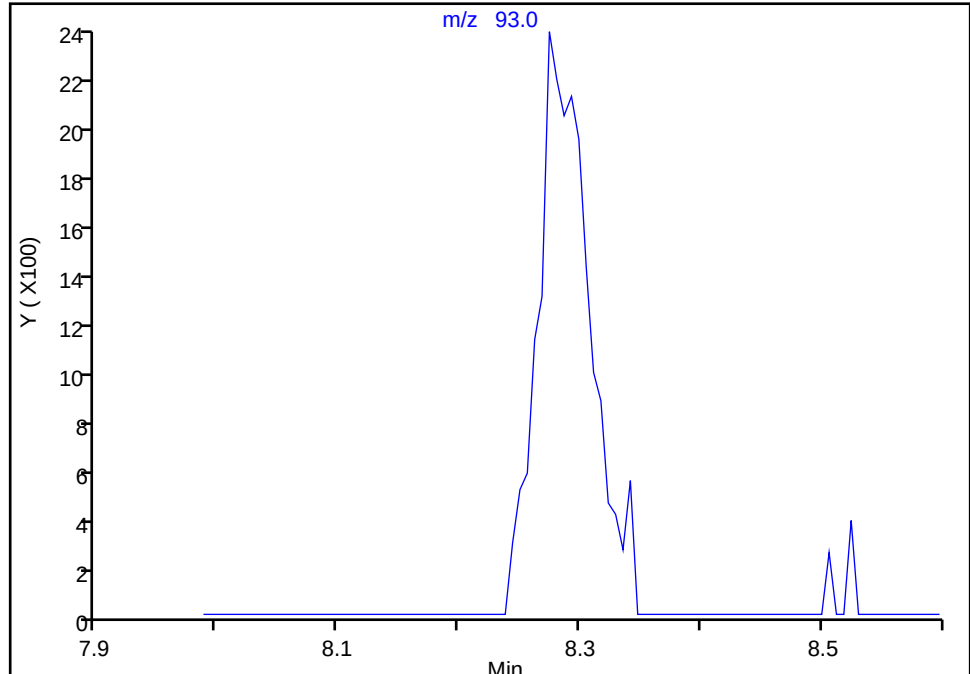
Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X13.D
Injection Date: 17-Mar-2025 19:25:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) MS Quad

69 Dibromomethane, CAS: 74-95-3

Signal: 1

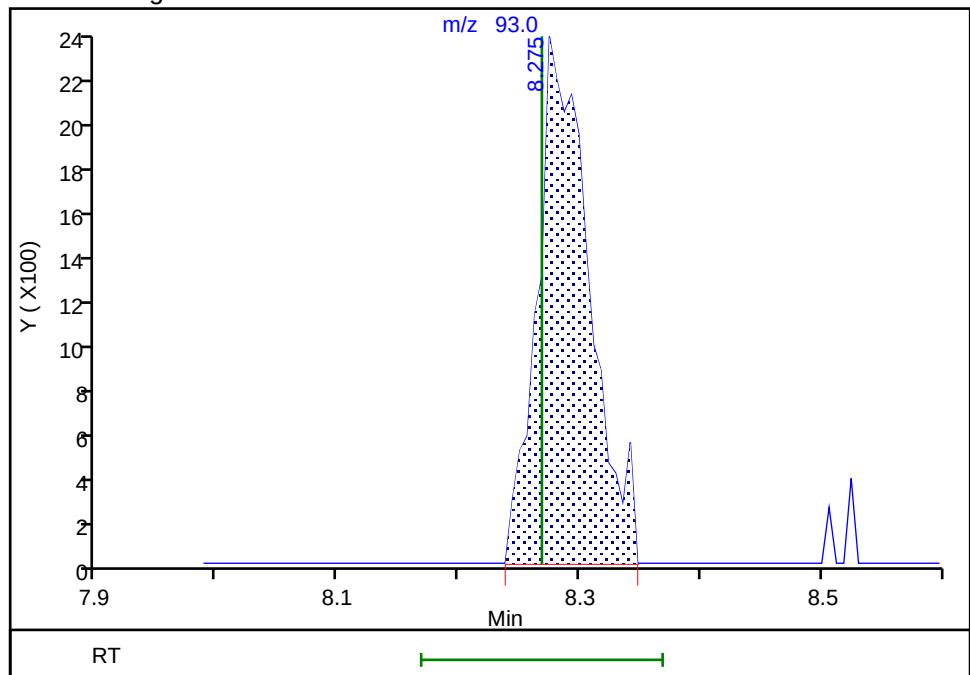
Not Detected
Expected RT: 8.27

Processing Integration Results



RT: 8.27
Area: 7149
Amount: 0.186436
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:16:56 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

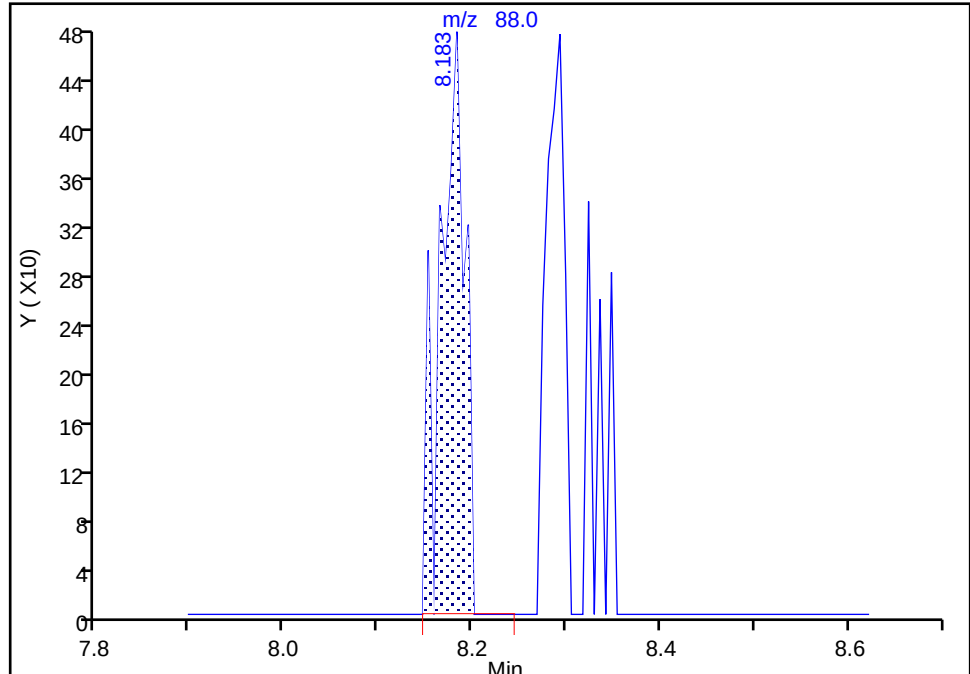
Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X13.D
Injection Date: 17-Mar-2025 19:25:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

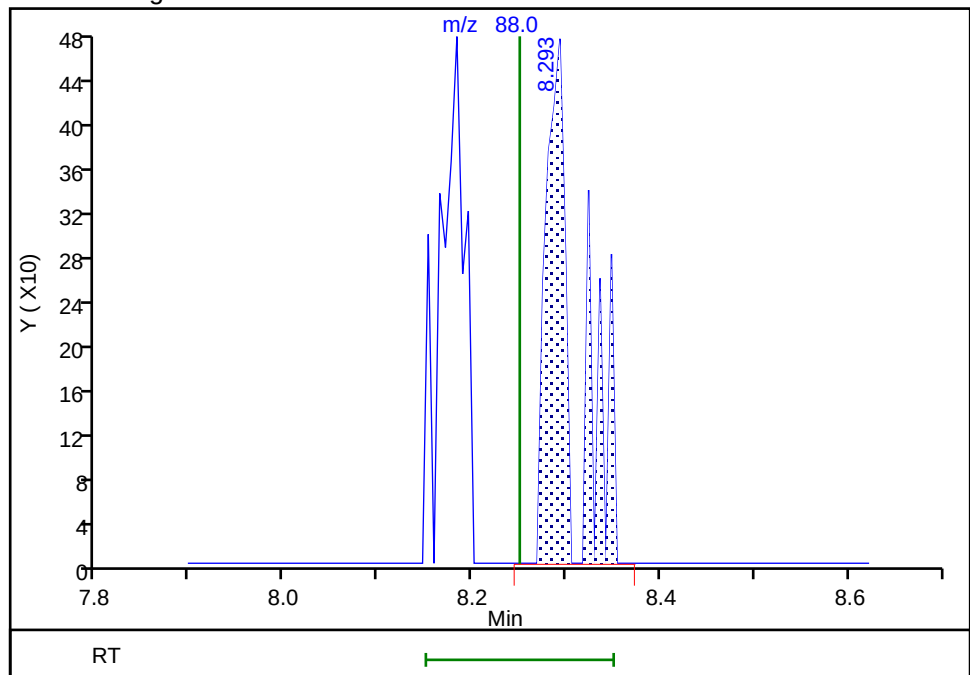
RT: 8.18
Area: 856
Amount: 9.752527
Amount Units: ug/l

Processing Integration Results



RT: 8.29
Area: 976
Amount: 3.241186
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:19:05 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

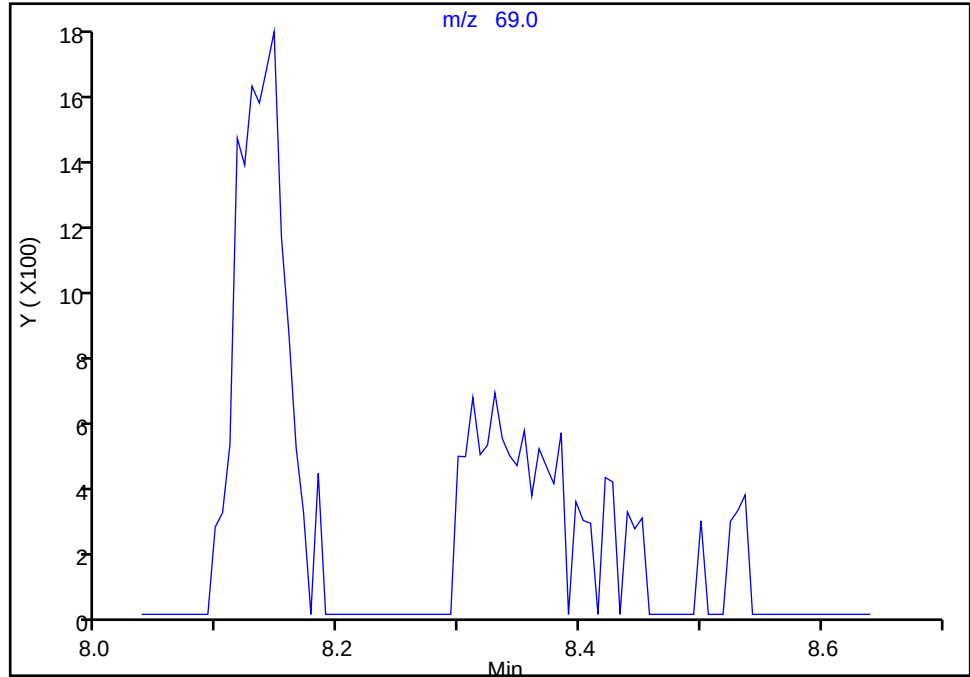
Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X13.D
Injection Date: 17-Mar-2025 19:25:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

67 Methyl methacrylate, CAS: 80-62-6

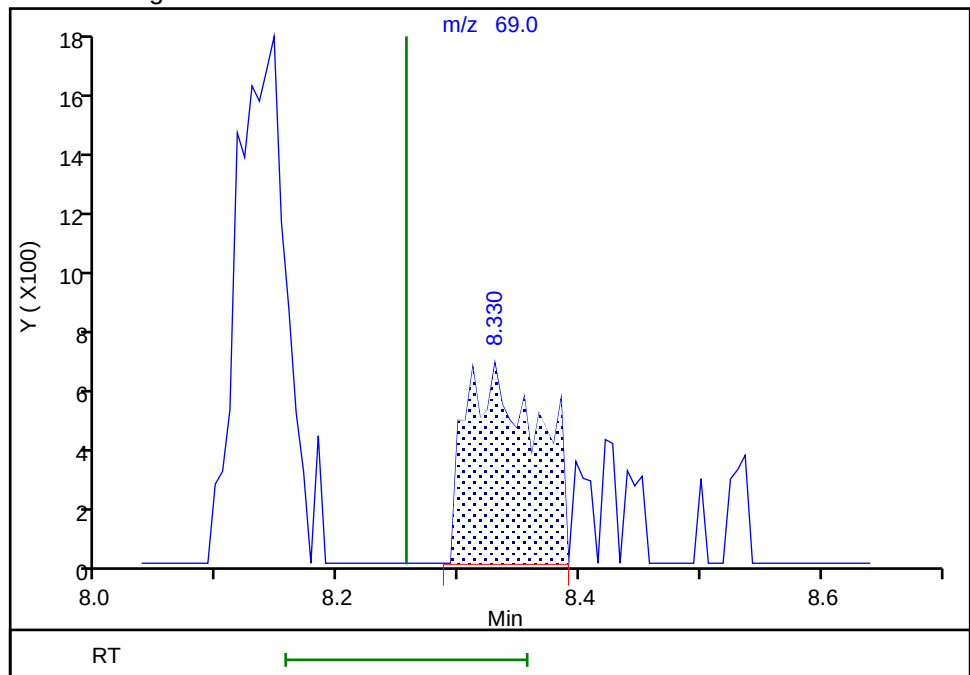
Signal: 1

Not Detected
Expected RT: 8.26

Processing Integration Results



Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:19:52 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

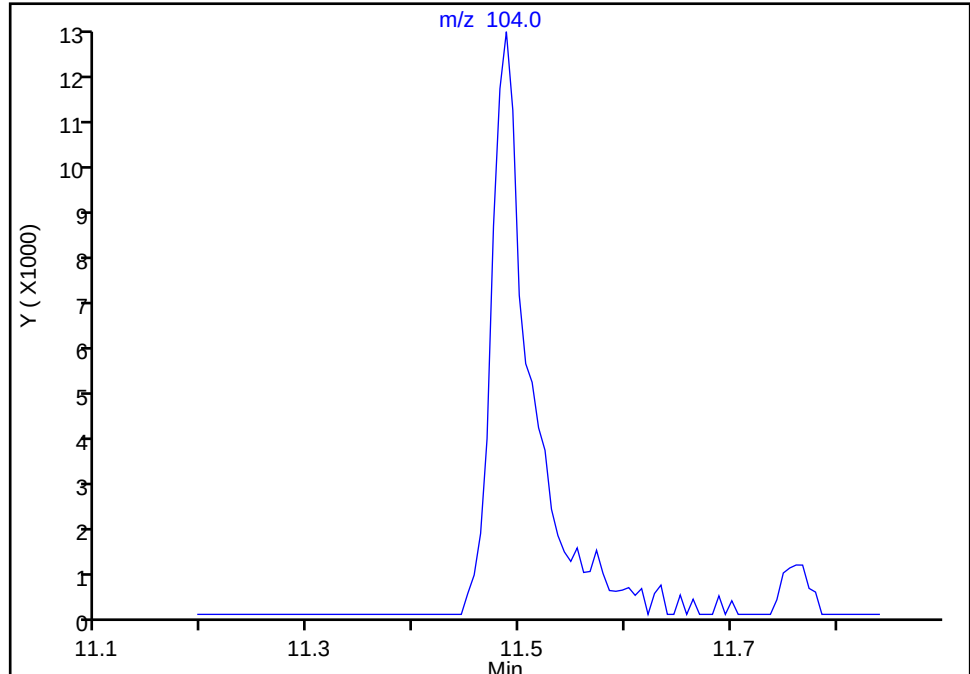
Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X13.D
Injection Date: 17-Mar-2025 19:25:30 Instrument ID: 19930
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

115 Styrene, CAS: 100-42-5

Signal: 1

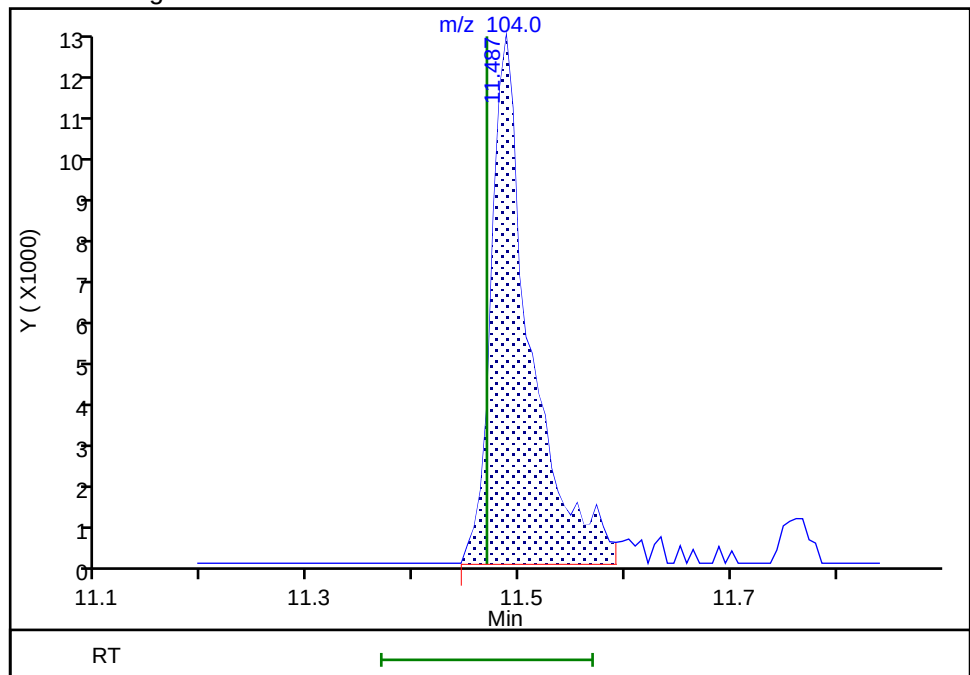
Not Detected
Expected RT: 11.47

Processing Integration Results



RT: 11.49
Area: 32018
Amount: 0.152571
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:17:12 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

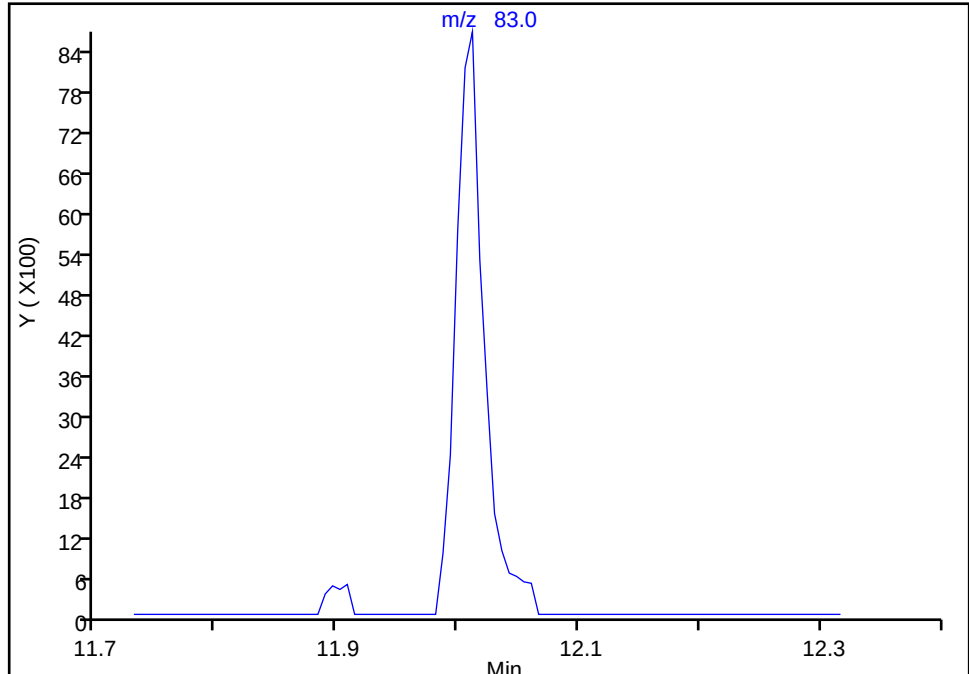
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X13.D
Injection Date: 17-Mar-2025 19:25:30 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

121 1,1,2,2-Tetrachloroethane, CAS: 79-34-5
Signal: 1

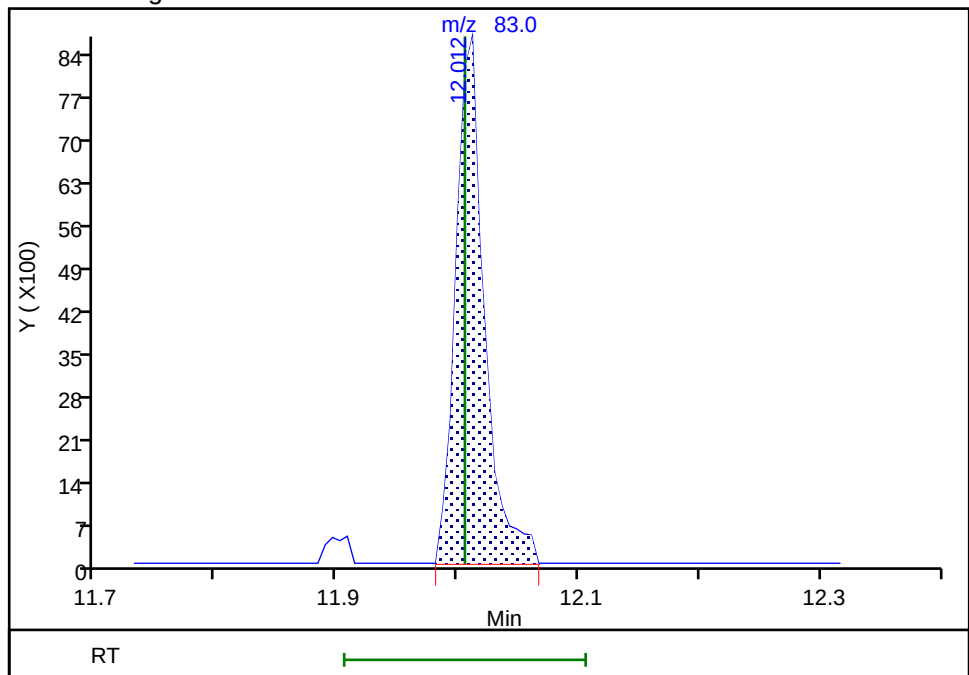
Not Detected
Expected RT: 12.01

Processing Integration Results



RT: 12.01
Area: 14173
Amount: 0.190096
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:17:21 -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\20250317-141066.b\IM17X13.D

Injection Date: 17-Mar-2025 19:25:30

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:

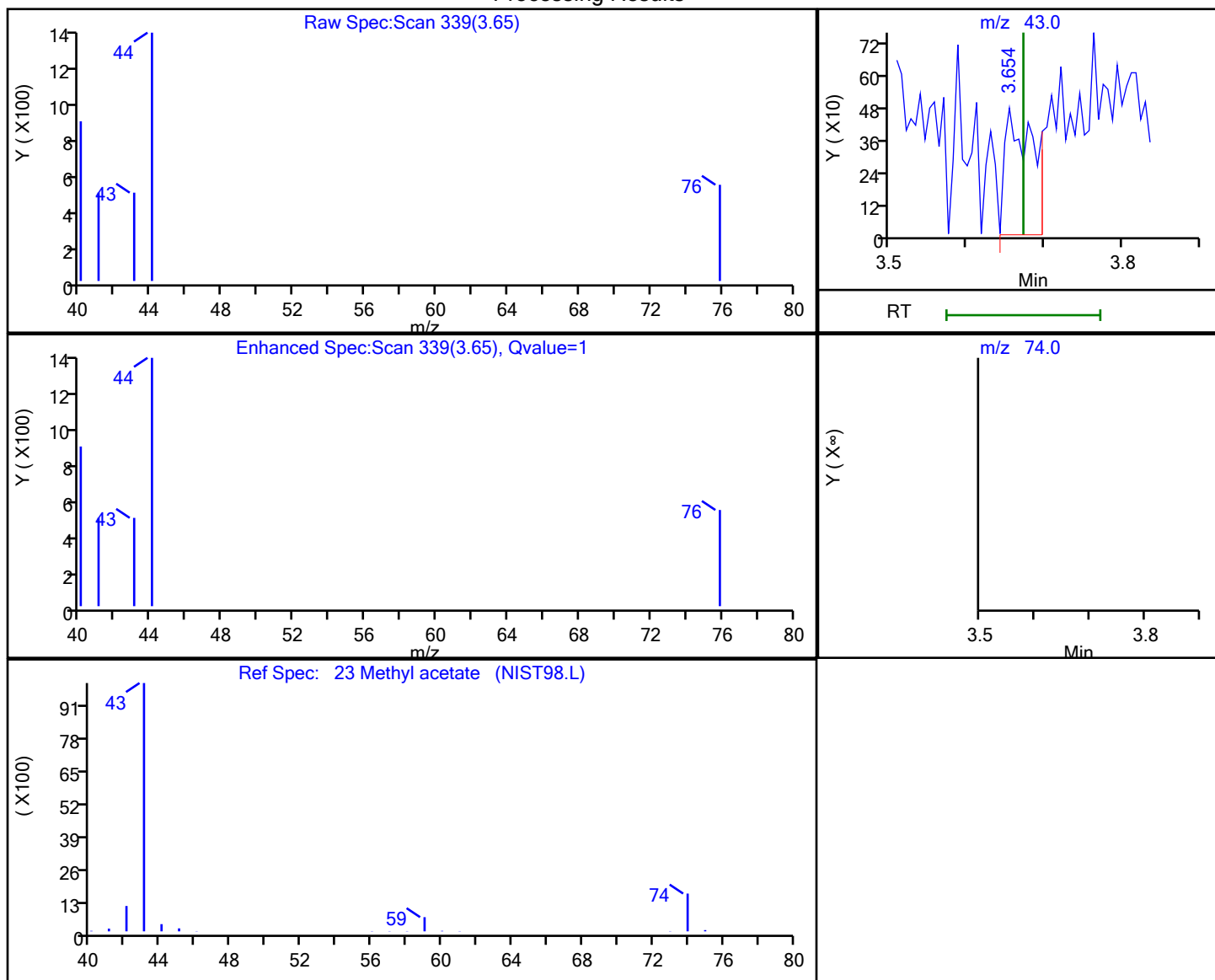
MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

23 Methyl acetate, CAS: 79-20-9

Processing Results



RT	Mass	Response	Amount
3.65	43.00	1171	0.221613
3.65	74.00	0	

Reviewer: K4WN, 18-Mar-2025 08:17:43 -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\20250317-141066.b\IM17X14.D
 Lims ID: IC std3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 17-Mar-2025 19:46:30 ALS Bottle#: 14 Worklist Smp#: 15
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0141066-015
 Misc. Info.: IC STD3
 Operator ID: knk41612 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub2
 Method: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 19-Mar-2025 10:16:26 Calib Date: 17-Mar-2025 21:31:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1632

First Level Reviewer: K4WN

Date: 18-Mar-2025 08:21:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.800	1.806	-0.006	98	45193	0.5000	0.6101	
4 Chloromethane	50	1.977	1.989	-0.012	98	54554	0.5000	0.5717	
5 Vinyl chloride	62	2.087	2.099	-0.012	80	47192	0.5000	0.5882	
6 Butadiene	39	2.087	2.099	-0.012	93	69955	0.5000	0.6223	
7 Bromomethane	94	2.398	2.404	-0.006	89	36960	0.5000	0.5624	
8 Chloroethane	64	2.465	2.471	-0.006	99	29095	0.5000	0.5684	
9 Dichlorofluoromethane	67	2.690	2.696	-0.006	97	84242	0.5000	0.5711	
10 Trichlorofluoromethane	101	2.745	2.757	-0.012	95	64126	0.5000	0.6340	
11 Ethyl ether	59	2.965	2.971	-0.006	91	25177	0.5000	0.5280	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.038	3.056	-0.018	93	45040	0.5000	0.6298	
14 Acrolein	56	3.123	3.123	0.000	100	147133	24.4	22.1	
15 1,1-Dichloroethene	96	3.251	3.257	-0.006	97	29655	0.5000	0.5570	
16 Acetone	43	3.288	3.282	0.006	84	54763	5.00	5.55	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.288	3.294	-0.006	89	34665	0.5000	0.5735	
18 Iodomethane	142	3.428	3.440	-0.012	100	58869	0.5000	0.5338	
19 Ethyl bromide	108	3.452	3.458	-0.006	95	28295	0.5008	0.5710	
20 Carbon disulfide	76	3.525	3.538	-0.013	99	93380	0.5000	0.5437	
23 Methyl acetate	43	3.714	3.672	0.042	23	12327	0.5000	0.5127	M
24 3-Chloro-1-propene	41	3.684	3.690	-0.006	90	47120	0.5000	0.5426	
25 Methylene Chloride	84	3.855	3.861	-0.006	95	34263	0.5000	0.5477	
* 26 t-Butyl alcohol-d10 (IS)	65	3.879	3.885	-0.006	97	150234	50.0	50.0	
27 2-Methyl-2-propanol	59	3.995	3.989	0.006	95	38725	10.0	11.2	
28 Acrylonitrile	53	4.263	4.178	0.085	56	7715	1.25	0.6542	Ma
29 Methyl tert-butyl ether	73	4.227	4.233	-0.007	95	75593	0.5000	0.5064	
30 trans-1,2-Dichloroethene	96	4.251	4.245	0.006	99	31615	0.5000	0.5351	
31 Hexane	57	4.659	4.672	-0.013	94	43891	0.5000	0.5304	
32 1,1-Dichloroethane	63	4.903	4.903	0.000	96	61924	0.5000	0.5454	
35 Isopropyl ether	45	4.964	4.964	0.000	94	92715	0.5000	0.5087	
36 2-Chloro-1,3-butadiene	53	5.025	5.019	0.006	93	43041	0.5000	0.4870	
37 Tert-butyl ethyl ether	59	5.501	5.513	-0.012	96	86162	0.5000	0.5056	

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	5.757	5.720	0.037	84	68764	5.00	4.13	
39 cis-1,2-Dichloroethene	96	5.744	5.745	-0.001	82	36583	0.5000	0.5542	
40 2,2-Dichloropropane	77	5.744	5.757	-0.013	67	50926	0.5000	0.5453	
43 Propionitrile	54	5.854	5.799	0.055	97	40115	10.0	9.06	
45 Methacrylonitrile	67	6.037	6.019	0.018	91	71945	5.00	4.23	
46 Chlorobromomethane	128	6.080	6.080	0.000	93	16754	0.5000	0.5232	
47 Tetrahydrofuran	71	6.110	6.092	0.018	58	12044	2.50	2.41	
S 41 1,2-Dichloroethene, Total	100				0			1.09	
48 Chloroform	83	6.232	6.238	-0.006	94	62515	0.5000	0.5401	
\$ 49 Dibromofluoromethane (Surr)	113	6.446	6.452	-0.006	93	465108	10.0	9.90	
50 1,1,1-Trichloroethane	97	6.452	6.458	-0.006	51	52561	0.5000	0.5304	
51 Cyclohexane	56	6.555	6.561	-0.006	91	54641	0.5000	0.5346	
54 Carbon tetrachloride	117	6.671	6.671	0.000	95	46454	0.5000	0.5348	
53 1,1-Dichloropropene	75	6.677	6.677	0.000	94	45159	0.5000	0.5135	
55 Isobutyl alcohol	41	6.860	6.836	0.024	89	31385	25.0	25.8	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.903	6.903	0.000	66	95919	10.0	10.1	
57 Benzene	78	6.939	6.933	0.006	95	139414	0.5000	0.5305	
58 1,2-Dichloroethane	62	7.013	7.013	0.000	96	40001	0.5000	0.5327	
60 Tert-amyl methyl ether	73	7.128	7.135	-0.007	97	77092	0.5000	0.4916	
* 61 Fluorobenzene (IS)	96	7.342	7.348	-0.006	99	1902526	10.0	10.0	
62 n-Heptane	43	7.360	7.366	-0.006	80	42754	0.5000	0.5261	
63 n-Butanol	56	7.799	7.726	0.073	82	25611	43.8	52.2	
64 Trichloroethene	95	7.836	7.830	0.006	96	35274	0.5000	0.5069	
65 Methylcyclohexane	83	8.128	8.134	-0.006	90	58852	0.5000	0.5393	
66 1,2-Dichloropropane	63	8.159	8.159	0.000	95	36245	0.5000	0.5230	
68 1,4-Dioxane	88	8.274	8.250	0.024	37	5158	25.0	19.7	
67 Methyl methacrylate	69	8.287	8.256	0.031	55	10096	0.5000	0.3406	
69 Dibromomethane	93	8.281	8.268	0.013	96	17038	0.5000	0.4977	
71 Dichlorobromomethane	83	8.506	8.506	0.000	98	43379	0.5000	0.5161	
72 2-Nitropropane	41	8.780	8.768	0.012	96	29884	2.50	2.69	
75 1-Bromo-2-chloroethane	63	8.909	8.896	0.012	98	37724	0.5000	0.5272	
76 cis-1,3-Dichloropropene	75	9.079	9.067	0.012	95	45539	0.5000	0.4864	
77 4-Methyl-2-pentanone (MIBK)	43	9.256	9.250	0.006	98	207422	5.00	4.66	
\$ 78 Toluene-d8 (Surr)	98	9.390	9.390	0.000	94	1879976	10.0	10.2	
79 Toluene	92	9.469	9.469	0.000	97	87565	0.5000	0.5378	
97 trans-1,3-Dichloropropene	75	9.756	9.744	0.012	94	34672	0.5000	0.4495	
99 Ethyl methacrylate	69	9.835	9.811	0.024	88	27087	0.5000	0.4257	
100 1,1,2-Trichloroethane	97	9.957	9.951	0.006	90	26704	0.5000	0.5496	
101 Tetrachloroethene	166	10.042	10.042	0.000	96	41460	0.5000	0.5230	
S 98 1,3-Dichloropropene, Total	100				0			0.9360	
102 1,3-Dichloropropane	76	10.122	10.116	0.006	91	42630	0.5000	0.5105	
103 2-Hexanone	43	10.189	10.171	0.018	98	149709	5.00	4.78	
105 Chlorodibromomethane	129	10.341	10.335	0.006	90	30764	0.5000	0.5130	
106 Ethylene Dibromide	107	10.457	10.451	0.006	98	23309	0.5000	0.5078	
* 107 Chlorobenzene-d5 (IS)	117	10.890	10.890	0.000	86	1402824	10.0	10.0	
108 1-Chlorohexane	91	10.908	10.902	0.006	95	44545	0.5000	0.5001	
109 Chlorobenzene	112	10.920	10.914	0.006	97	100892	0.5000	0.5272	
111 1,1,1,2-Tetrachloroethane	131	11.000	11.000	0.000	94	34776	0.5000	0.5270	
112 Ethylbenzene	91	11.006	11.006	0.000	99	164719	0.5000	0.5182	
113 m-Xylene & p-Xylene	106	11.128	11.122	0.006	93	124602	1.00	1.01	
S 110 Xylenes, Total	106				0			1.51	
114 o-Xylene	106	11.457	11.457	0.000	96	59322	0.5000	0.5006	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
115 Styrene	104	11.481	11.469	0.012	95	86930	0.5000	0.4700	
116 Bromoform	173	11.627	11.628	-0.001	95	18059	0.5000	0.5120	
117 Isopropylbenzene	105	11.762	11.756	0.006	96	137476	0.5000	0.5021	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.902	11.902	0.000	91	670865	10.0	9.91	
121 1,1,2,2-Tetrachloroethane	83	12.005	12.006	-0.001	93	34698	0.5000	0.5283	
122 Bromobenzene	156	12.018	12.018	0.000	92	41420	0.5000	0.5285	
123 trans-1,4-Dichloro-2-butene	53	12.036	12.030	0.006	96	68128	5.00	4.44	
124 1,2,3-Trichloropropane	110	12.054	12.048	0.006	79	9256	0.5000	0.5218	
125 N-Propylbenzene	91	12.091	12.091	0.000	99	187312	0.5000	0.5079	
126 2-Chlorotoluene	126	12.164	12.164	0.000	97	41186	0.5000	0.5244	
127 1,3,5-Trimethylbenzene	105	12.225	12.225	0.000	94	132885	0.5000	0.5072	
128 4-Chlorotoluene	126	12.262	12.255	0.007	98	40959	0.5000	0.5089	
129 tert-Butylbenzene	134	12.469	12.469	0.000	93	30845	0.5000	0.5028	
130 Pentachloroethane	167	12.499	12.499	0.000	79	24606	0.5000	0.5169	
131 1,2,4-Trimethylbenzene	105	12.511	12.512	-0.001	96	128458	0.5000	0.4860	
132 sec-Butylbenzene	105	12.633	12.633	0.000	94	174448	0.5000	0.5113	
133 1,3-Dichlorobenzene	146	12.731	12.725	0.006	98	76143	0.5000	0.5072	
134 4-Isopropyltoluene	119	12.743	12.737	0.006	97	139995	0.5000	0.4869	
* 135 1,4-Dichlorobenzene-d4	152	12.786	12.786	0.000	95	802552	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.804	12.804	0.000	96	85736	0.5000	0.5304	
137 1,2,3-Trimethylbenzene	120	12.810	12.810	0.000	97	64674	0.5000	0.5159	
138 Benzyl chloride	126	12.889	12.877	0.012	99	10238	0.5000	0.4415	
139 n-Butylbenzene	92	13.036	13.030	0.006	97	67225	0.5000	0.4590	
140 1,2-Dichlorobenzene	146	13.060	13.060	0.000	99	74215	0.5000	0.5112	
142 1,2-Dibromo-3-Chloropropane	155	13.603	13.603	0.000	82	4245	0.5000	0.4807	
143 1,3,5-Trichlorobenzene	180	13.731	13.725	0.006	98	55837	0.5000	0.5108	
144 1,2,4-Trichlorobenzene	180	14.151	14.145	0.006	93	42887	0.5000	0.4801	
145 Hexachlorobutadiene	225	14.231	14.231	0.000	96	22773	0.5000	0.5300	
146 Naphthalene	128	14.334	14.322	0.012	97	80675	0.5000	0.4631	
147 1,2,3-Trichlorobenzene	180	14.468	14.468	0.000	93	37636	0.5000	0.4627	
156 p-Diethylbenzene	1		0.000				ND	ND	
155 2-Methylnaphthalene	142		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00162	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00172	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00262	Amount Added: 2.00	Units: uL	
MSV_LLcentISS_00016	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 19-Mar-2025 10:16:26

Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X14.D

Injection Date: 17-Mar-2025 19:46:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: IC std3

Worklist Smp#: 15

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

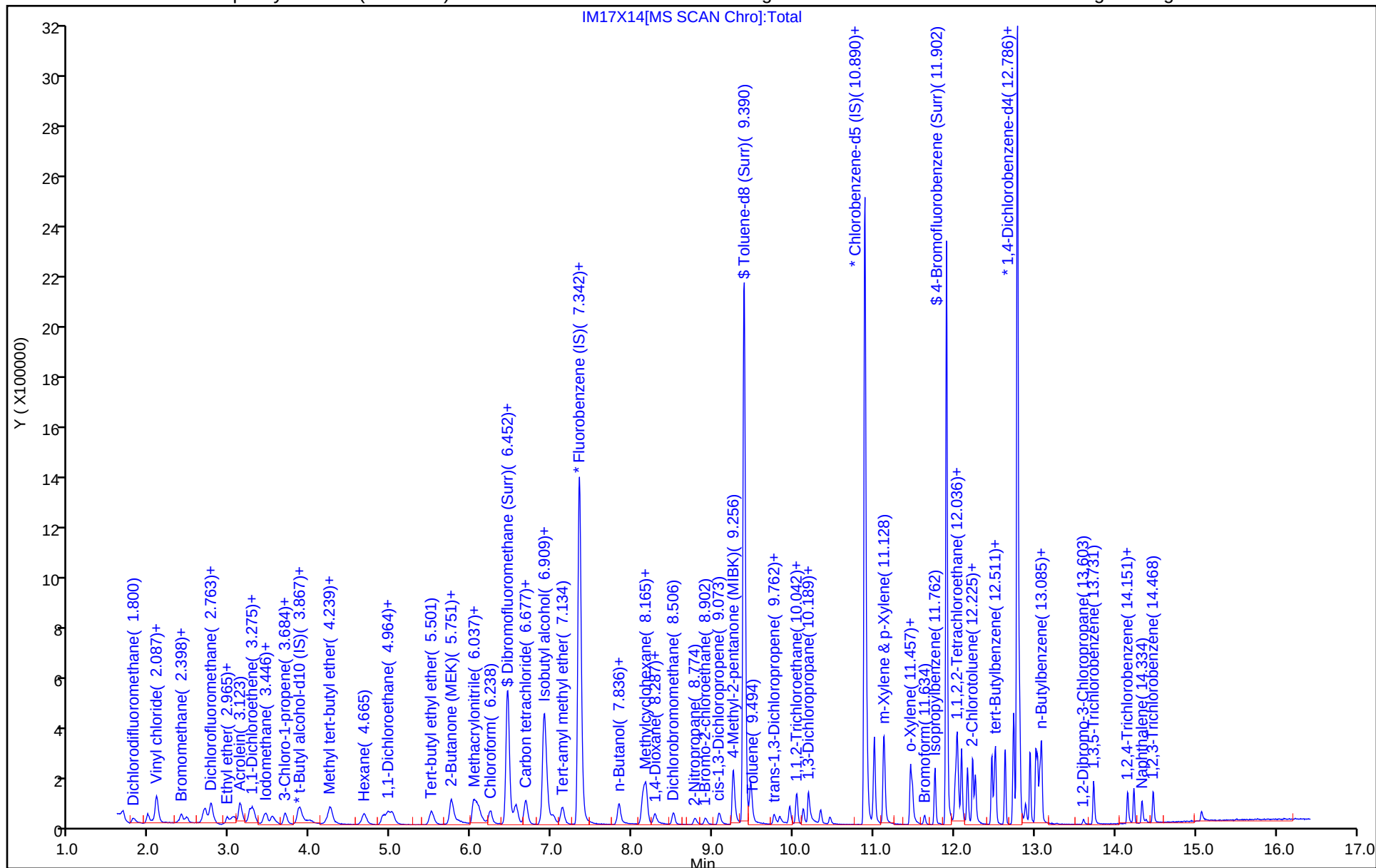
ALS Bottle#: 14

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

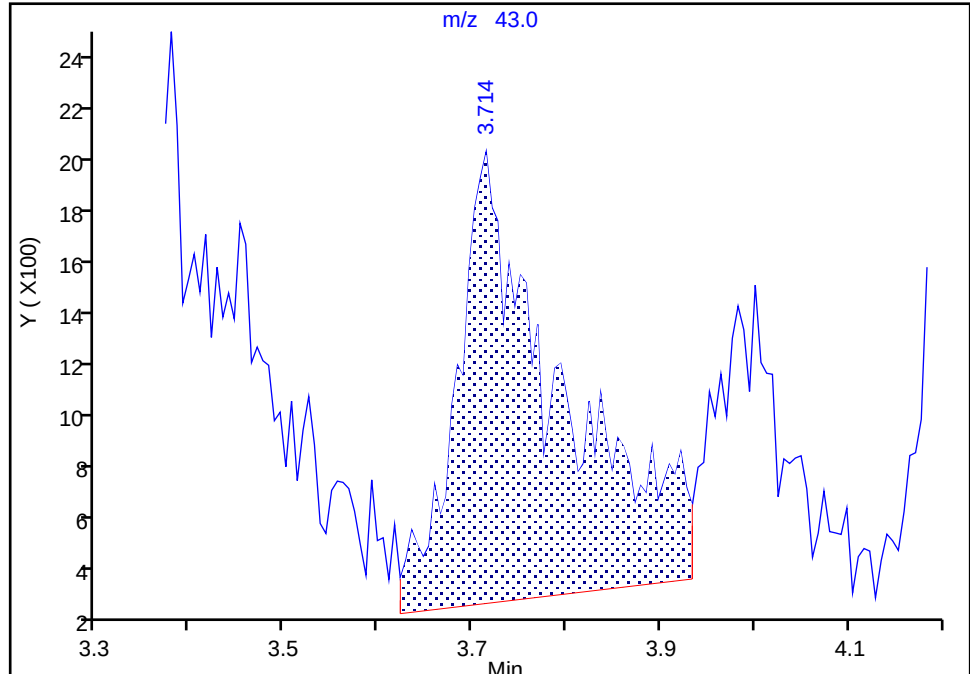
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Injection Date: 17-Mar-2025 19:46:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

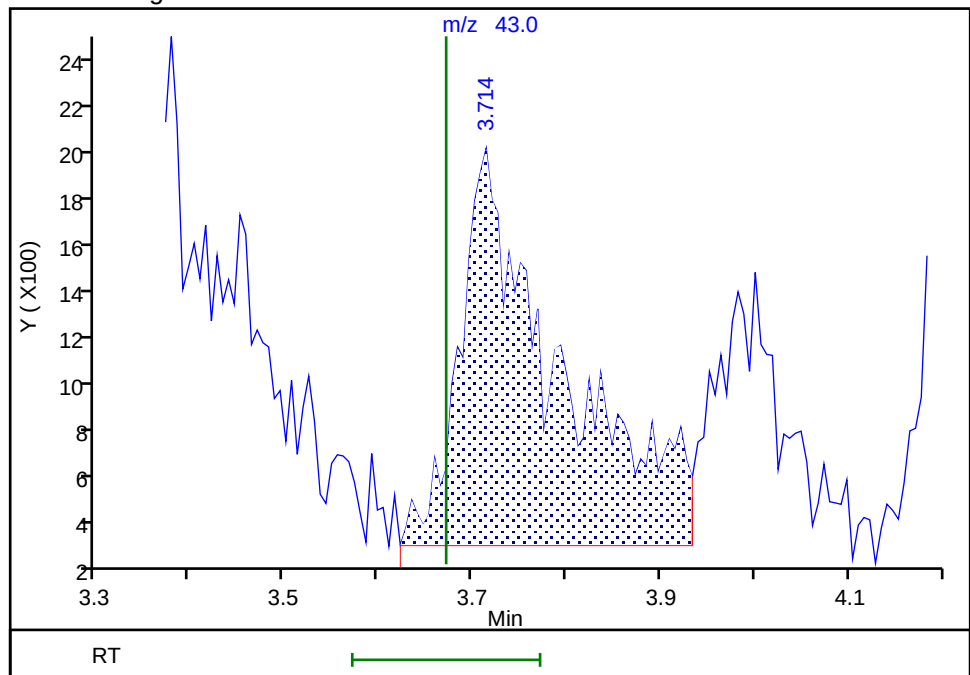
RT: 3.71
Area: 13535
Amount: 0.450855
Amount Units: ug/l

Processing Integration Results



RT: 3.71
Area: 12327
Amount: 0.512660
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:20:55 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

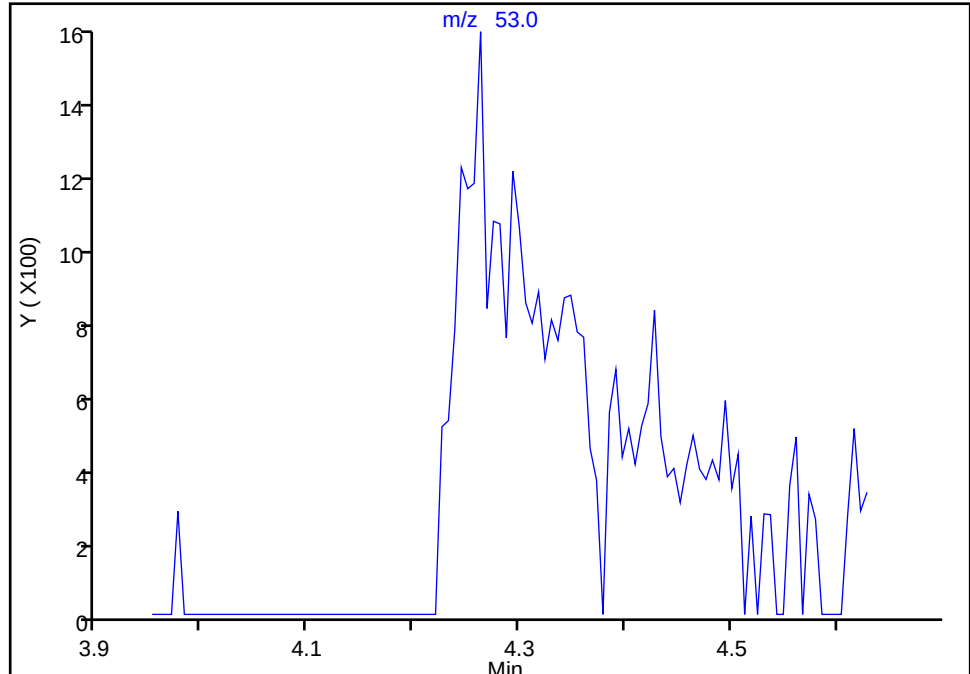
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Injection Date: 17-Mar-2025 19:46:30 Instrument ID: 19930
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

28 Acrylonitrile, CAS: 107-13-1

Signal: 1

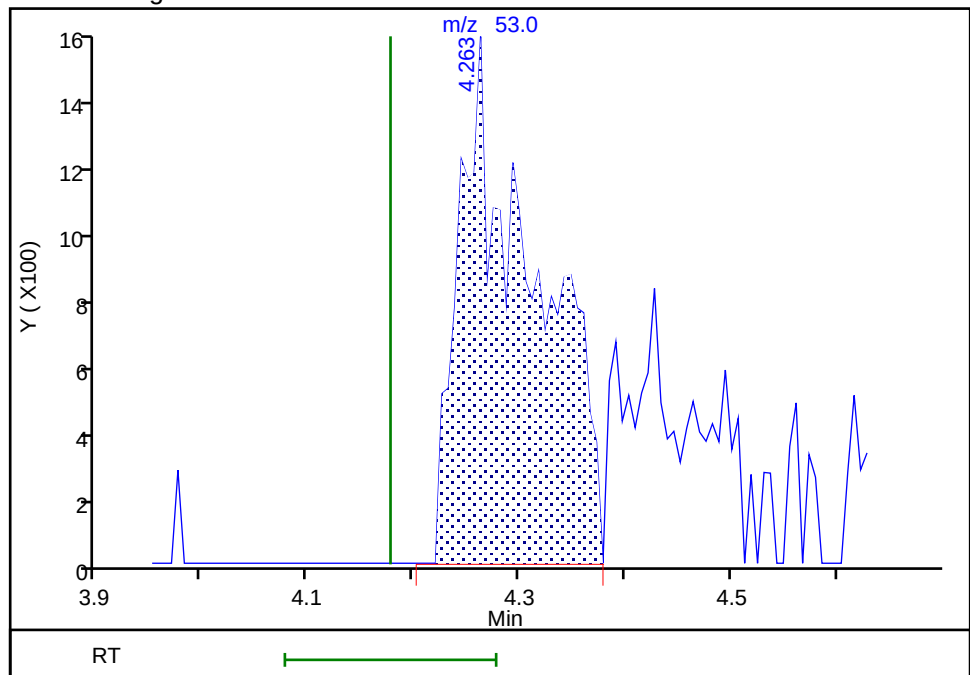
Not Detected
Expected RT: 4.18

Processing Integration Results



Manual Integration Results

RT: 4.26
Area: 7715
Amount: 0.654160
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2025 08:21:10 -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\19930\20250317-141066.b\IM17X15.D
 Lims ID: IC std4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 17-Mar-2025 20:07:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0141066-016
 Misc. Info.: IC STD4
 Operator ID: knk41612 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub2
 Method: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 19-Mar-2025 10:16:38 Calib Date: 17-Mar-2025 21:31:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1632

First Level Reviewer: K4WN

Date: 18-Mar-2025 08:22:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.800	1.806	-0.006	99	85602	1.00	0.99	
4 Chloromethane	50	1.983	1.989	-0.006	99	104363	1.00	0.9388	
5 Vinyl chloride	62	2.093	2.099	-0.006	84	92427	1.00	0.9889	
6 Butadiene	39	2.093	2.099	-0.006	90	128424	1.00	0.9807	
7 Bromomethane	94	2.404	2.404	0.000	90	70258	1.00	0.9177	
8 Chloroethane	64	2.465	2.471	-0.006	99	54688	1.00	0.9171	
9 Dichlorofluoromethane	67	2.696	2.696	0.000	97	157092	1.00	0.9141	
10 Trichlorofluoromethane	101	2.751	2.757	-0.006	96	121776	1.00	1.03	
11 Ethyl ether	59	2.971	2.971	0.000	92	54424	1.00	0.9796	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.050	3.056	-0.006	92	85296	1.00	1.02	
14 Acrolein	56	3.129	3.123	0.006	99	345870	48.8	44.2	
15 1,1-Dichloroethene	96	3.257	3.257	0.000	96	60523	1.00	0.9758	
16 Acetone	43	3.288	3.282	0.006	99	117725	10.0	10.1	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.288	3.294	-0.006	94	71875	1.00	1.02	
18 Iodomethane	142	3.428	3.440	-0.012	98	128483	1.00	1.00	
19 Ethyl bromide	108	3.458	3.458	0.000	99	55578	1.00	0.9627	
20 Carbon disulfide	76	3.538	3.538	0.000	99	200281	1.00	1.00	
23 Methyl acetate	43	3.690	3.672	0.018	27	22598	1.00	0.7991	M
24 3-Chloro-1-propene	41	3.690	3.690	0.000	89	98594	1.00	0.9746	
25 Methylene Chloride	84	3.861	3.861	0.000	95	72244	1.00	0.99	
* 26 t-Butyl alcohol-d10 (IS)	65	3.885	3.885	0.000	99	176683	50.0	50.0	
27 2-Methyl-2-propanol	59	3.995	3.989	0.006	97	83231	20.0	20.4	
28 Acrylonitrile	53	4.239	4.178	0.061	29	28170	2.50	2.03	
29 Methyl tert-butyl ether	73	4.239	4.233	0.006	93	167165	1.00	0.9612	
30 trans-1,2-Dichloroethene	96	4.251	4.245	0.006	98	69342	1.00	1.01	
31 Hexane	57	4.672	4.672	0.000	94	94190	1.00	0.9771	
32 1,1-Dichloroethane	63	4.897	4.903	-0.006	96	133737	1.00	1.01	
35 Isopropyl ether	45	4.970	4.964	0.006	92	207198	1.00	0.9758	
36 2-Chloro-1,3-butadiene	53	5.019	5.019	0.000	93	100661	1.00	0.9777	
37 Tert-butyl ethyl ether	59	5.501	5.513	-0.012	96	190295	1.00	0.9586	

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	5.745	5.720	0.024	95	170489	10.0	8.72	
39 cis-1,2-Dichloroethene	96	5.745	5.745	-0.001	82	80659	1.00	1.05	
40 2,2-Dichloropropane	77	5.757	5.757	0.000	69	107021	1.00	0.9837	
43 Propionitrile	54	5.824	5.799	0.025	97	100593	20.0	19.3	
45 Methacrylonitrile	67	6.025	6.019	0.006	91	196895	10.0	9.85	
46 Chlorobromomethane	128	6.080	6.080	0.000	92	36486	1.00	0.9780	
47 Tetrahydrofuran	71	6.098	6.092	0.006	96	28742	5.00	4.90	
S 41 1,2-Dichloroethene, Total	100				0			2.06	
48 Chloroform	83	6.238	6.238	0.000	94	133234	1.00	0.9881	
\$ 49 Dibromofluoromethane (Surr)	113	6.452	6.452	0.000	93	545249	10.0	9.96	
50 1,1,1-Trichloroethane	97	6.452	6.458	-0.006	46	116253	1.00	1.01	
51 Cyclohexane	56	6.549	6.561	-0.012	91	118901	1.00	1.00	
54 Carbon tetrachloride	117	6.671	6.671	0.000	96	101125	1.00	1.00	
53 1,1-Dichloropropene	75	6.677	6.677	0.000	97	102486	1.00	1.00	
55 Isobutyl alcohol	41	6.848	6.836	0.012	91	66429	50.0	46.4	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.909	6.903	0.006	70	113831	10.0	10.3	
57 Benzene	78	6.939	6.933	0.006	94	304188	1.00	0.99	
58 1,2-Dichloroethane	62	7.013	7.013	0.000	97	84708	1.00	0.9683	
60 Tert-amyl methyl ether	73	7.134	7.135	-0.001	98	177707	1.00	0.9728	
* 61 Fluorobenzene (IS)	96	7.342	7.348	-0.006	99	2216451	10.0	10.0	
62 n-Heptane	43	7.366	7.366	0.000	91	93618	1.00	0.9889	
63 n-Butanol	56	7.768	7.726	0.042	92	74464	87.5	85.5	
64 Trichloroethene	95	7.836	7.830	0.006	98	79437	1.00	0.9798	
65 Methylcyclohexane	83	8.134	8.134	0.000	91	125025	1.00	0.9835	
66 1,2-Dichloropropane	63	8.153	8.159	-0.006	92	79409	1.00	0.9835	
68 1,4-Dioxane	88	8.268	8.250	0.018	35	15876	50.0	51.7	
67 Methyl methacrylate	69	8.268	8.256	0.012	74	29746	1.00	0.8534	
69 Dibromomethane	93	8.274	8.268	0.006	94	39592	1.00	0.99	
71 Dichlorobromomethane	83	8.512	8.506	0.006	98	97238	1.00	0.99	
72 2-Nitropropane	41	8.774	8.768	0.006	98	58906	5.00	4.51	
75 1-Bromo-2-chloroethane	63	8.909	8.896	0.013	98	80689	1.00	0.9679	
76 cis-1,3-Dichloropropene	75	9.073	9.067	0.006	95	102535	1.00	0.9401	
77 4-Methyl-2-pentanone (MIBK)	43	9.250	9.250	0.000	97	490507	10.0	9.37	
\$ 78 Toluene-d8 (Surr)	98	9.390	9.390	0.000	94	2205075	10.0	10.2	
79 Toluene	92	9.469	9.469	0.000	98	190100	1.00	1.00	
97 trans-1,3-Dichloropropene	75	9.750	9.744	0.006	94	88153	1.00	0.9743	
99 Ethyl methacrylate	69	9.823	9.811	0.012	89	59170	1.00	0.7927	
100 1,1,2-Trichloroethane	97	9.957	9.951	0.006	91	56373	1.00	0.9889	
101 Tetrachloroethene	166	10.042	10.042	0.000	97	91012	1.00	0.9786	
S 98 1,3-Dichloropropene, Total	100				0			1.91	
102 1,3-Dichloropropane	76	10.122	10.116	0.006	91	96138	1.00	0.9813	
103 2-Hexanone	43	10.183	10.171	0.012	97	337967	10.0	9.18	
105 Chlorodibromomethane	129	10.341	10.335	0.006	90	68655	1.00	0.9758	
106 Ethylene Dibromide	107	10.451	10.451	0.000	98	53380	1.00	0.99	
* 107 Chlorobenzene-d5 (IS)	117	10.890	10.890	0.000	86	1645732	10.0	10.0	
108 1-Chlorohexane	91	10.908	10.902	0.006	97	103657	1.00	0.99	
109 Chlorobenzene	112	10.914	10.914	0.000	96	225701	1.00	1.01	
111 1,1,1,2-Tetrachloroethane	131	11.000	11.000	0.000	95	77484	1.00	1.00	
112 Ethylbenzene	91	11.006	11.006	0.000	99	367278	1.00	0.9849	
113 m-Xylene & p-Xylene	106	11.128	11.122	0.006	94	287289	2.00	1.98	
S 110 Xylenes, Total	106				0			2.95	
114 o-Xylene	106	11.457	11.457	0.000	96	134672	1.00	0.9688	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
115 Styrene	104	11.475	11.469	0.006	96	213631	1.00	0.9846	
116 Bromoform	173	11.628	11.628	0.000	95	39206	1.00	0.9475	
117 Isopropylbenzene	105	11.762	11.756	0.006	96	315315	1.00	0.9817	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.902	11.902	0.000	90	796545	10.0	10.0	
121 1,1,2,2-Tetrachloroethane	83	12.005	12.006	-0.001	94	75867	1.00	0.9810	
122 Bromobenzene	156	12.018	12.018	0.000	95	89625	1.00	0.9711	
123 trans-1,4-Dichloro-2-butene	53	12.030	12.030	0.000	95	163920	10.0	9.09	
124 1,2,3-Trichloropropane	110	12.048	12.048	0.000	79	20688	1.00	0.99	
125 N-Propylbenzene	91	12.091	12.091	0.000	99	435602	1.00	1.00	
126 2-Chlorotoluene	126	12.164	12.164	0.000	97	91783	1.00	0.99	
127 1,3,5-Trimethylbenzene	105	12.225	12.225	0.000	94	302119	1.00	0.9792	
128 4-Chlorotoluene	126	12.262	12.255	0.007	97	95585	1.00	1.01	
129 tert-Butylbenzene	134	12.469	12.469	0.000	93	71346	1.00	0.9877	
130 Pentachloroethane	167	12.499	12.499	0.000	77	53278	1.00	0.9504	
131 1,2,4-Trimethylbenzene	105	12.511	12.512	-0.001	98	304664	1.00	0.9787	
132 sec-Butylbenzene	105	12.633	12.633	0.000	94	401402	1.00	1.00	
133 1,3-Dichlorobenzene	146	12.731	12.725	0.006	98	174510	1.00	0.9870	
134 4-Isopropyltoluene	119	12.743	12.737	0.006	97	332380	1.00	0.9816	
* 135 1,4-Dichlorobenzene-d4	152	12.786	12.786	0.000	95	945106	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.804	12.804	0.000	95	192037	1.00	1.01	
137 1,2,3-Trimethylbenzene	120	12.810	12.810	0.000	98	147743	1.00	1.00	
138 Benzyl chloride	126	12.883	12.877	0.006	99	26909	1.00	0.9854	
139 n-Butylbenzene	92	13.030	13.030	0.000	97	166247	1.00	0.9639	
140 1,2-Dichlorobenzene	146	13.060	13.060	0.000	98	171667	1.00	1.00	
142 1,2-Dibromo-3-Chloropropane	155	13.609	13.603	0.006	85	9851	1.00	0.9473	
143 1,3,5-Trichlorobenzene	180	13.731	13.725	0.006	97	125970	1.00	0.9785	
144 1,2,4-Trichlorobenzene	180	14.151	14.145	0.006	94	99596	1.00	0.9467	
145 Hexachlorobutadiene	225	14.231	14.231	0.000	96	50159	1.00	0.99	
146 Naphthalene	128	14.328	14.322	0.006	97	186075	1.00	0.9071	
147 1,2,3-Trichlorobenzene	180	14.468	14.468	0.000	95	92422	1.00	0.9648	
155 2-Methylnaphthalene	142		0.000				ND	ND	
156 p-Diethylbenzene	1		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00162	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00172	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00262	Amount Added: 2.00	Units: uL	
MSV_LLcentISS_00016	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 19-Mar-2025 10:16:38

Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X15.D

Injection Date: 17-Mar-2025 20:07:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: IC std4

Worklist Smp#: 16

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

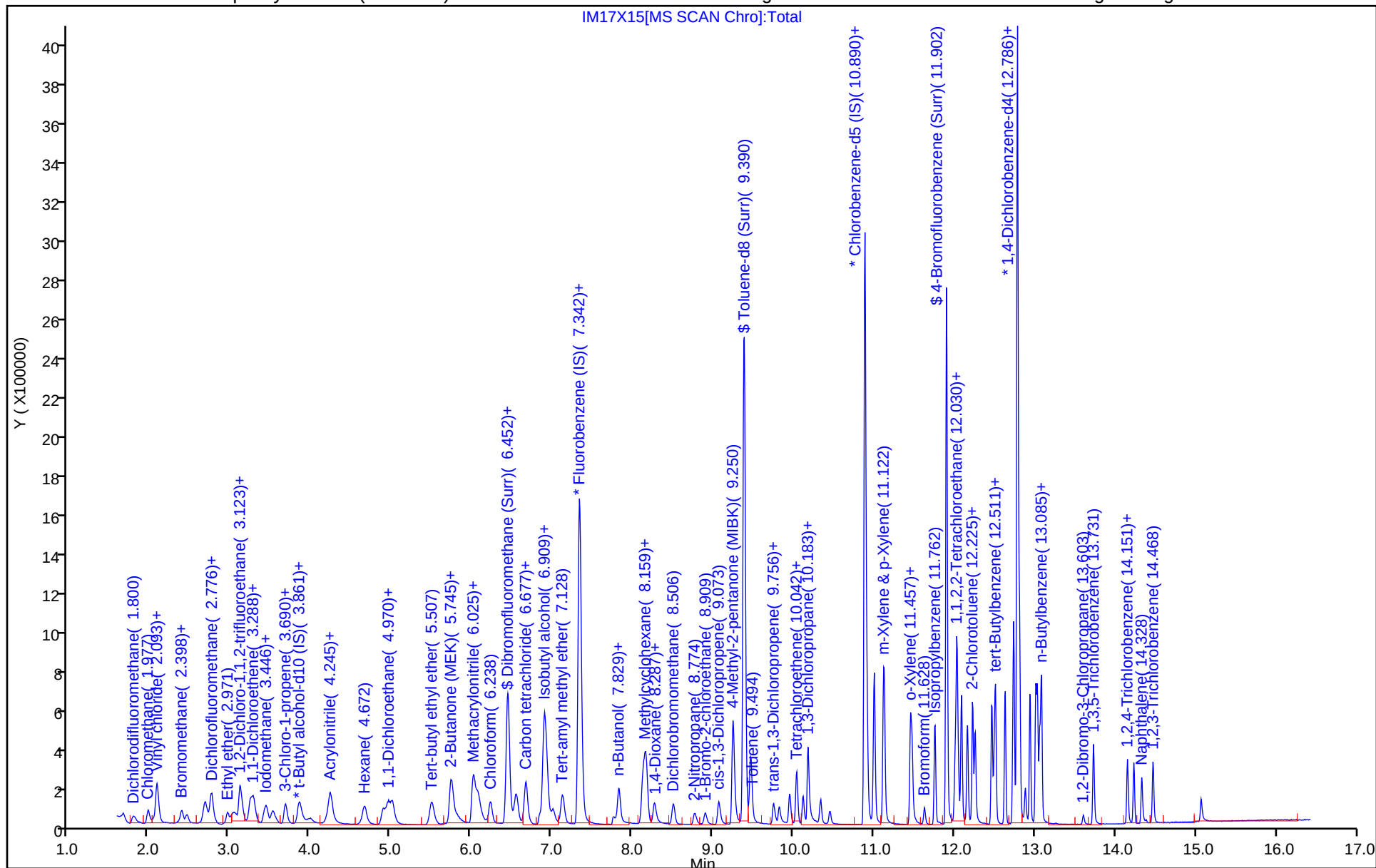
ALS Bottle#: 15

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

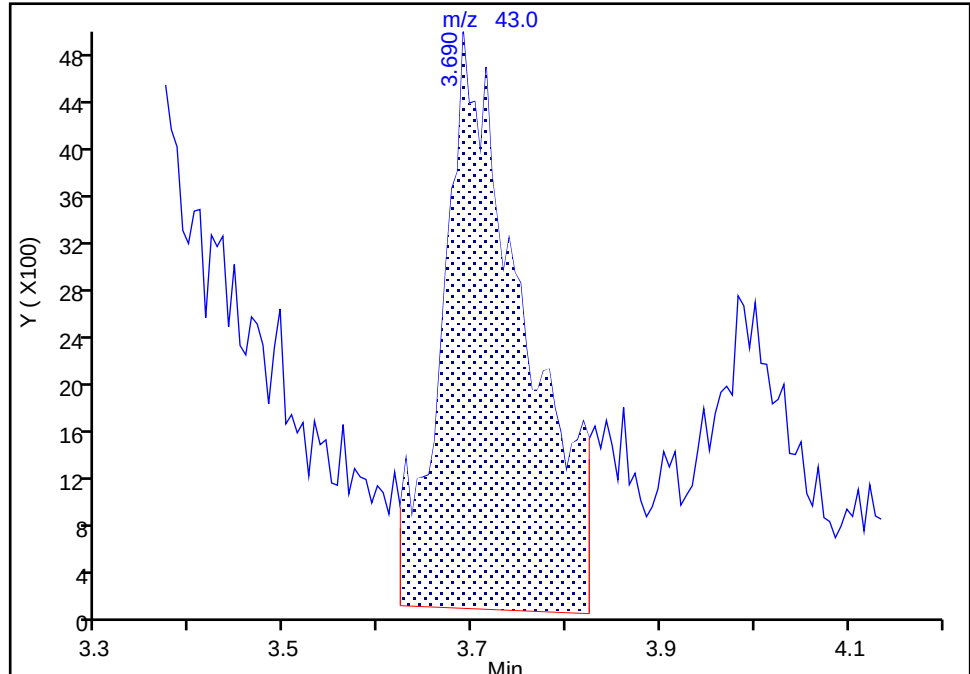
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Injection Date: 17-Mar-2025 20:07:30 Instrument ID: 19930
Lims ID: IC std4
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

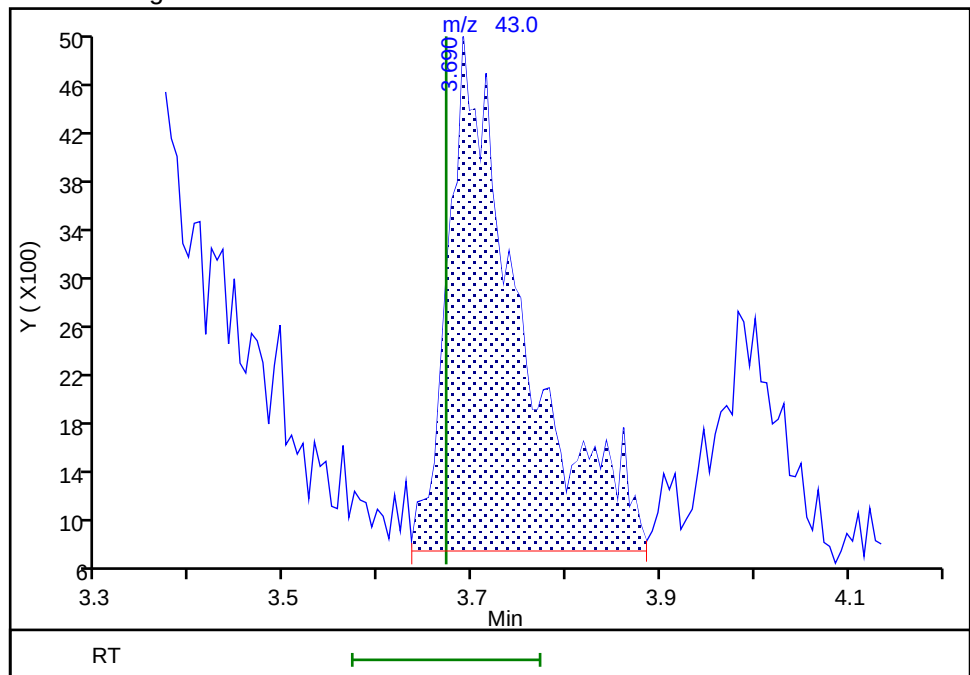
RT: 3.69
Area: 29696
Amount: 0.852540
Amount Units: ug/l

Processing Integration Results



RT: 3.69
Area: 22598
Amount: 0.799126
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:22:06 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X16.D
 Lims ID: IC std5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 17-Mar-2025 20:28:30 ALS Bottle#: 16 Worklist Smp#: 17
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0141066-017
 Misc. Info.: IC STD5
 Operator ID: knk41612 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub2
 Method: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 19-Mar-2025 10:16:50 Calib Date: 17-Mar-2025 21:31:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1632

First Level Reviewer: K4WN

Date: 18-Mar-2025 08:23:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.812	1.806	0.006	99	169786	2.00	2.24	
4 Chloromethane	50	1.989	1.989	0.000	99	206882	2.00	2.12	
5 Vinyl chloride	62	2.093	2.099	-0.006	83	180868	2.00	2.20	
6 Butadiene	39	2.099	2.099	0.000	93	248817	2.00	2.16	
7 Bromomethane	94	2.404	2.404	0.000	91	138216	2.00	2.05	
8 Chloroethane	64	2.471	2.471	0.000	100	112147	2.00	2.14	
9 Dichlorofluoromethane	67	2.703	2.696	0.006	97	320227	2.00	2.12	
10 Trichlorofluoromethane	101	2.757	2.757	0.000	97	237806	2.00	2.30	
11 Ethyl ether	59	2.971	2.971	0.000	91	116381	2.00	2.38	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.050	3.056	-0.006	93	168528	2.00	2.30	
14 Acrolein	56	3.129	3.123	0.006	99	726813	97.6	105.2	
15 1,1-Dichloroethene	96	3.257	3.257	0.000	98	116657	2.00	2.14	
16 Acetone	43	3.300	3.282	0.018	99	231728	20.0	22.6	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.300	3.294	0.006	92	133976	2.00	2.16	
18 Iodomethane	142	3.434	3.440	-0.006	99	249533	2.00	2.21	
19 Ethyl bromide	108	3.458	3.458	0.000	99	119527	2.00	2.36	
20 Carbon disulfide	76	3.538	3.538	0.000	99	386639	2.00	2.20	
23 Methyl acetate	43	3.690	3.672	0.018	31	51392	2.00	2.06	M
24 3-Chloro-1-propene	41	3.696	3.690	0.006	88	189265	2.00	2.13	
25 Methylene Chloride	84	3.867	3.861	0.006	95	143351	2.00	2.24	
* 26 t-Butyl alcohol-d10 (IS)	65	3.885	3.885	0.000	99	155813	50.0	50.0	
27 2-Methyl-2-propanol	59	4.001	3.989	0.012	97	159338	40.0	44.3	
28 Acrylonitrile	53	4.202	4.178	0.024	98	65718	5.00	5.37	
29 Methyl tert-butyl ether	73	4.233	4.233	0.000	98	338289	2.00	2.21	
30 trans-1,2-Dichloroethene	96	4.257	4.245	0.012	99	134047	2.00	2.22	
31 Hexane	57	4.672	4.672	0.000	92	186779	2.00	2.20	
32 1,1-Dichloroethane	63	4.909	4.903	0.006	96	256911	2.00	2.21	
35 Isopropyl ether	45	4.970	4.964	0.006	92	413940	2.00	2.22	
36 2-Chloro-1,3-butadiene	53	5.019	5.019	0.000	92	204373	2.00	2.26	
37 Tert-butyl ethyl ether	59	5.507	5.513	-0.006	97	387923	2.00	2.22	

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	5.732	5.720	0.012	100	396253	20.0	23.0	
39 cis-1,2-Dichloroethene	96	5.751	5.745	0.006	82	159257	2.00	2.36	
40 2,2-Dichloropropane	77	5.757	5.757	0.000	66	208007	2.00	2.17	
43 Propionitrile	54	5.830	5.799	0.031	98	211390	40.0	46.1	
45 Methacrylonitrile	67	6.025	6.019	0.006	91	411089	20.0	23.3	
46 Chlorobromomethane	128	6.080	6.080	0.000	93	74623	2.00	2.28	
47 Tetrahydrofuran	71	6.110	6.092	0.018	78	62228	10.0	12.0	
S 41 1,2-Dichloroethene, Total	100				0			4.57	
48 Chloroform	83	6.238	6.238	0.000	94	262239	2.00	2.21	
\$ 49 Dibromofluoromethane (Surr)	113	6.458	6.452	0.006	93	482107	10.0	10.0	
50 1,1,1-Trichloroethane	97	6.452	6.458	-0.006	58	220515	2.00	2.17	
51 Cyclohexane	56	6.562	6.561	0.001	91	230339	2.00	2.20	
54 Carbon tetrachloride	117	6.677	6.671	0.006	97	195613	2.00	2.20	
53 1,1-Dichloropropene	75	6.677	6.677	0.000	97	200050	2.00	2.22	
55 Isobutyl alcohol	41	6.854	6.836	0.018	94	143547	100.0	113.8	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.909	6.903	0.006	92	98794	10.0	10.1	
57 Benzene	78	6.939	6.933	0.006	96	604118	2.00	2.24	
58 1,2-Dichloroethane	62	7.013	7.013	0.000	98	172034	2.00	2.24	
60 Tert-amyl methyl ether	73	7.135	7.135	0.000	98	363926	2.00	2.27	
* 61 Fluorobenzene (IS)	96	7.348	7.348	0.000	98	1948679	10.0	10.0	
62 n-Heptane	43	7.366	7.366	0.000	92	179366	2.00	2.15	
63 n-Butanol	56	7.750	7.726	0.024	95	184301	175.0	186.5	
64 Trichloroethene	95	7.830	7.830	0.000	97	153520	2.00	2.15	
65 Methylcyclohexane	83	8.134	8.134	0.000	91	249774	2.00	2.23	
66 1,2-Dichloropropane	63	8.159	8.159	0.000	96	157767	2.00	2.22	
68 1,4-Dioxane	88	8.262	8.250	0.012	41	32232	100.0	119.0	
67 Methyl methacrylate	69	8.269	8.256	0.012	90	64133	2.00	2.09	
69 Dibromomethane	93	8.275	8.268	0.007	96	79344	2.00	2.26	
71 Dichlorobromomethane	83	8.506	8.506	0.000	99	190658	2.00	2.21	
72 2-Nitropropane	41	8.775	8.768	0.006	98	120823	10.0	10.5	
75 1-Bromo-2-chloroethane	63	8.903	8.896	0.007	99	173107	2.00	2.36	
76 cis-1,3-Dichloropropene	75	9.073	9.067	0.006	95	210791	2.00	2.20	
77 4-Methyl-2-pentanone (MIBK)	43	9.250	9.250	0.000	97	1051687	20.0	22.8	
\$ 78 Toluene-d8 (Surr)	98	9.390	9.390	0.000	94	1929130	10.0	10.0	
79 Toluene	92	9.469	9.469	0.000	98	373044	2.00	2.20	
97 trans-1,3-Dichloropropene	75	9.750	9.744	0.006	94	179798	2.00	2.24	
99 Ethyl methacrylate	69	9.817	9.811	0.006	89	143024	2.00	2.16	
100 1,1,2-Trichloroethane	97	9.951	9.951	0.000	91	110368	2.00	2.18	
101 Tetrachloroethene	166	10.043	10.042	0.001	97	175573	2.00	2.13	
S 98 1,3-Dichloropropene, Total	100				0			4.44	
102 1,3-Dichloropropane	76	10.122	10.116	0.006	91	196754	2.00	2.26	
103 2-Hexanone	43	10.177	10.171	0.006	97	744279	20.0	22.9	
105 Chlorodibromomethane	129	10.341	10.335	0.006	91	139541	2.00	2.24	
106 Ethylene Dibromide	107	10.451	10.451	0.000	98	108337	2.00	2.27	
* 107 Chlorobenzene-d5 (IS)	117	10.890	10.890	0.000	86	1459225	10.0	10.0	
108 1-Chlorohexane	91	10.902	10.902	0.000	97	198743	2.00	2.15	
109 Chlorobenzene	112	10.914	10.914	0.000	95	440950	2.00	2.22	
111 1,1,1,2-Tetrachloroethane	131	11.000	11.000	0.000	95	152891	2.00	2.23	
112 Ethylbenzene	91	11.006	11.006	0.000	99	735159	2.00	2.22	
113 m-Xylene & p-Xylene	106	11.122	11.122	0.000	94	576959	4.00	4.48	
S 110 Xylenes, Total	106				0			6.72	
114 o-Xylene	106	11.457	11.457	0.000	96	275894	2.00	2.24	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
115 Styrene	104	11.475	11.469	0.006	95	425904	2.00	2.21	
116 Bromoform	173	11.628	11.628	0.000	96	81317	2.00	2.22	
117 Isopropylbenzene	105	11.762	11.756	0.006	96	639413	2.00	2.25	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.902	11.902	0.000	91	704162	10.0	10.0	
121 1,1,2,2-Tetrachloroethane	83	12.006	12.006	0.000	93	153783	2.00	2.28	
122 Bromobenzene	156	12.018	12.018	0.000	95	185301	2.00	2.30	
123 trans-1,4-Dichloro-2-butene	53	12.030	12.030	0.000	93	363087	20.0	22.8	
124 1,2,3-Trichloropropane	110	12.048	12.048	0.000	82	42110	2.00	2.31	
125 N-Propylbenzene	91	12.091	12.091	0.000	99	862898	2.00	2.28	
126 2-Chlorotoluene	126	12.164	12.164	0.000	97	182573	2.00	2.26	
127 1,3,5-Trimethylbenzene	105	12.225	12.225	0.000	94	617966	2.00	2.30	
128 4-Chlorotoluene	126	12.256	12.255	0.001	98	190130	2.00	2.30	
129 tert-Butylbenzene	134	12.469	12.469	0.000	93	144939	2.00	2.30	
130 Pentachloroethane	167	12.499	12.499	0.000	92	117225	2.00	2.40	
131 1,2,4-Trimethylbenzene	105	12.512	12.512	0.000	97	634832	2.00	2.34	
132 sec-Butylbenzene	105	12.634	12.633	0.001	94	802088	2.00	2.29	
133 1,3-Dichlorobenzene	146	12.731	12.725	0.006	98	350129	2.00	2.27	
134 4-Isopropyltoluene	119	12.743	12.737	0.006	97	674590	2.00	2.29	
* 135 1,4-Dichlorobenzene-d4	152	12.786	12.786	0.000	95	823823	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.804	12.804	0.000	96	367128	2.00	2.21	
137 1,2,3-Trimethylbenzene	120	12.810	12.810	0.000	98	283874	2.00	2.21	
138 Benzyl chloride	126	12.883	12.877	0.006	99	53901	2.00	2.26	
139 n-Butylbenzene	92	13.030	13.030	0.000	97	336658	2.00	2.24	
140 1,2-Dichlorobenzene	146	13.060	13.060	0.000	98	343779	2.00	2.31	
142 1,2-Dibromo-3-Chloropropane	155	13.603	13.603	0.000	83	21074	2.00	2.32	
143 1,3,5-Trichlorobenzene	180	13.731	13.725	0.006	97	252787	2.00	2.25	
144 1,2,4-Trichlorobenzene	180	14.152	14.145	0.007	94	209563	2.00	2.29	
145 Hexachlorobutadiene	225	14.231	14.231	0.000	98	95828	2.00	2.17	
146 Naphthalene	128	14.328	14.322	0.006	97	415768	2.00	2.33	
147 1,2,3-Trichlorobenzene	180	14.469	14.468	0.000	96	196463	2.00	2.35	
156 p-Diethylbenzene	1		0.000				ND	ND	
155 2-Methylnaphthalene	142		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00162	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00172	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00262	Amount Added: 2.00	Units: uL	
MSV_LLcentISS_00016	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 19-Mar-2025 10:16:50

Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X16.D

Injection Date: 17-Mar-2025 20:28:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: IC std5

Worklist Smp#: 17

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

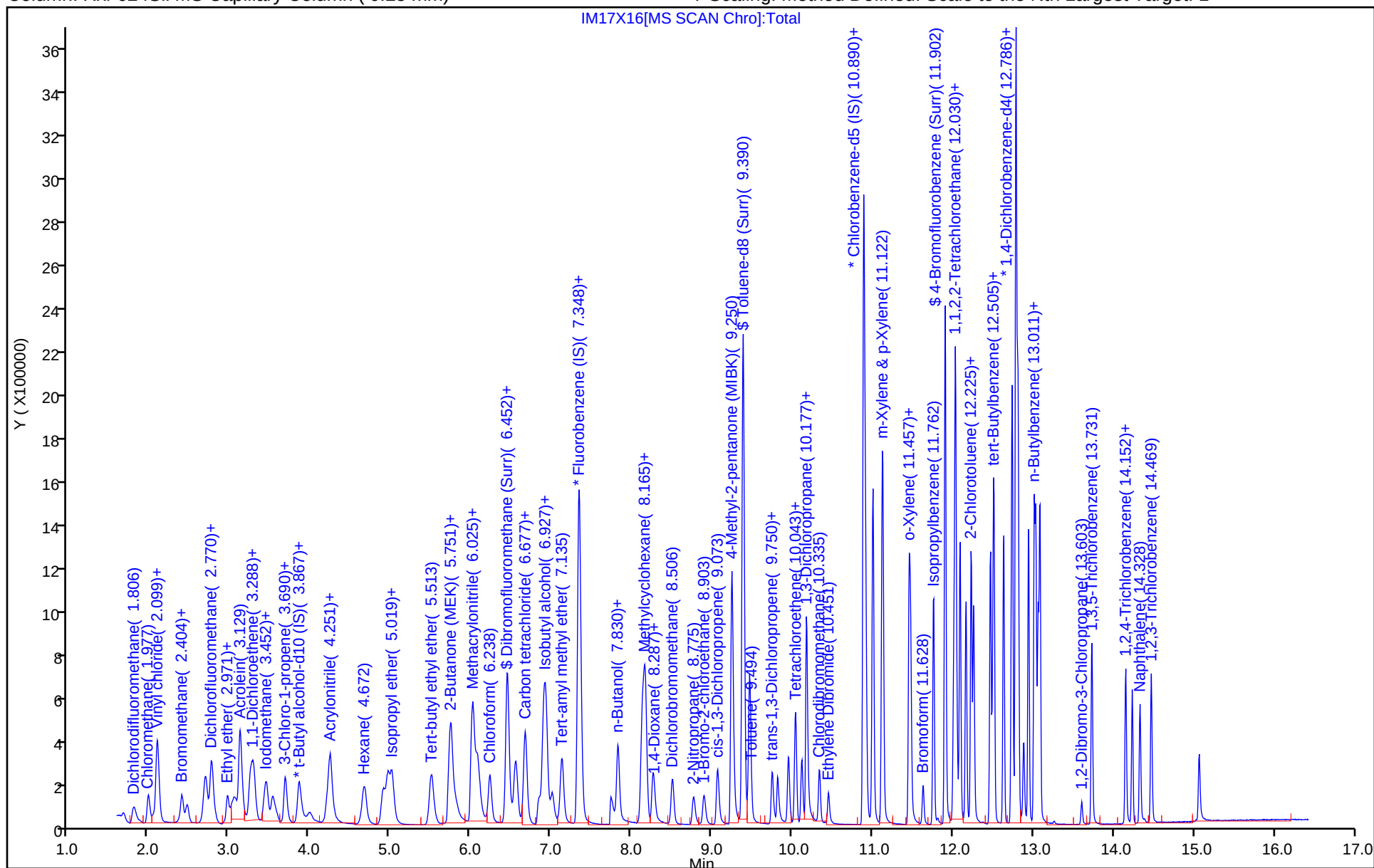
ALS Bottle#: 16

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

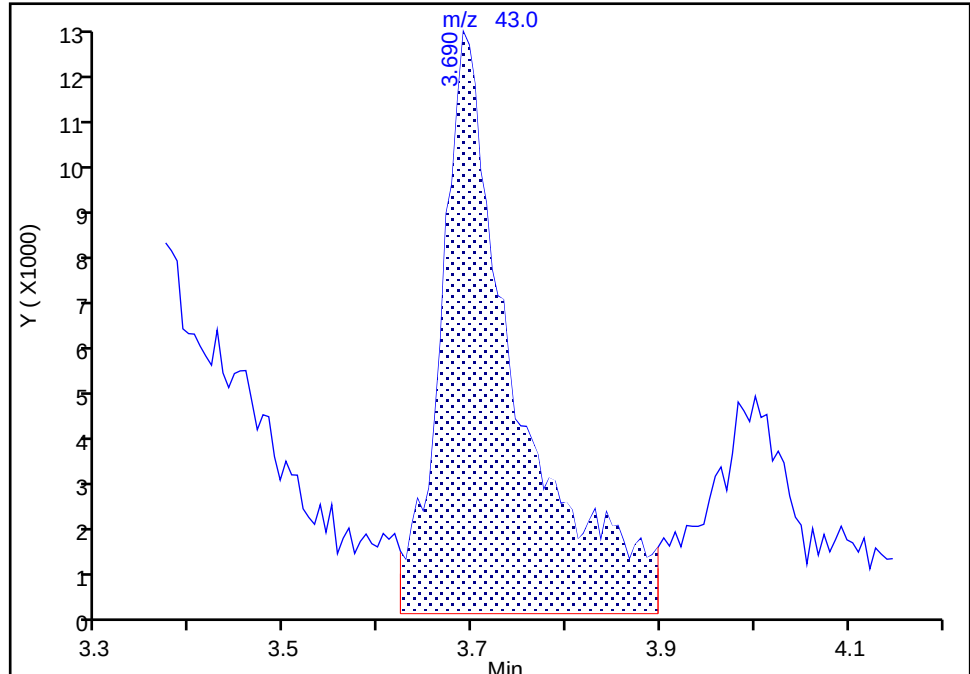
Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X16.D
Injection Date: 17-Mar-2025 20:28:30 Instrument ID: 19930
Lims ID: IC std5
Client ID:
Operator ID: knk41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

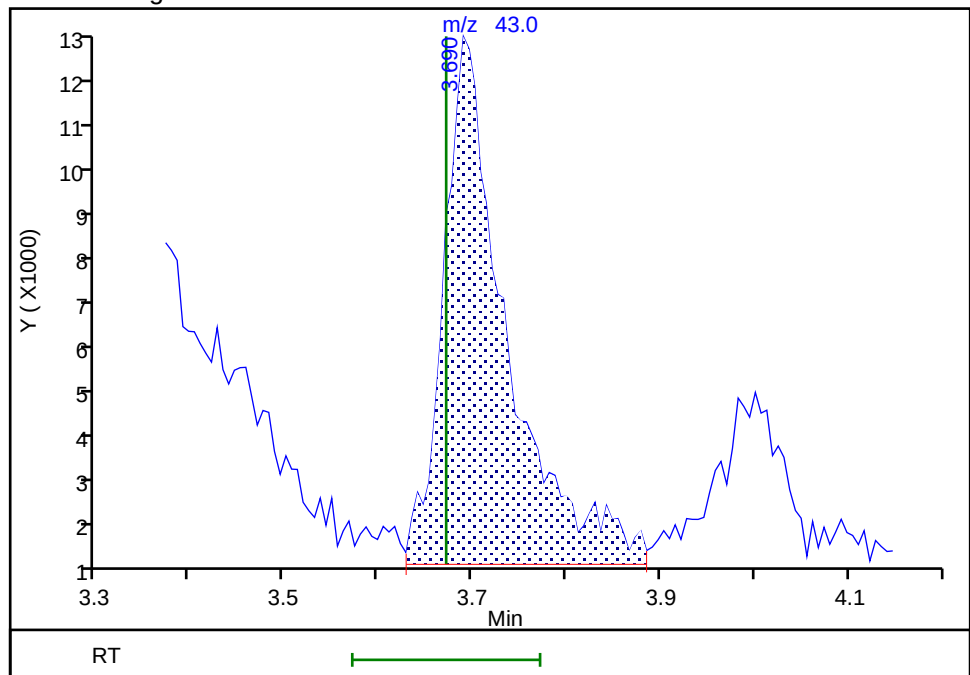
RT: 3.69
Area: 66646
Amount: 2.204952
Amount Units: ug/l

Processing Integration Results



RT: 3.69
Area: 51392
Amount: 2.060781
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:23:02 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X17.D
 Lims ID: IC std6
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 17-Mar-2025 20:49:30 ALS Bottle#: 17 Worklist Smp#: 18
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0141066-018
 Misc. Info.: IC STD6
 Operator ID: knk41612 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub2
 Method: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 19-Mar-2025 10:17:01 Calib Date: 17-Mar-2025 21:31:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1632

First Level Reviewer: K4WN

Date: 18-Mar-2025 08:24:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.800	1.800	0.000	99	449036	5.00	4.85	
4 Chloromethane	50	1.983	1.983	0.000	99	507423	5.00	4.26	
5 Vinyl chloride	62	2.087	2.087	0.000	84	462517	5.00	4.62	
6 Butadiene	39	2.093	2.093	0.000	90	610590	5.00	4.35	
7 Bromomethane	94	2.398	2.398	0.000	92	351812	5.00	4.29	
8 Chloroethane	64	2.465	2.465	0.000	99	291883	5.00	4.57	
9 Dichlorofluoromethane	67	2.690	2.690	0.000	97	814725	5.00	4.42	
10 Trichlorofluoromethane	101	2.751	2.751	0.000	96	630193	5.00	4.99	
11 Ethyl ether	59	2.964	2.964	0.000	91	264938	5.00	4.45	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.050	3.050	0.000	93	433164	5.00	4.85	
14 Acrolein	56	3.117	3.117	0.000	100	2077534	244.0	263.6	
15 1,1-Dichloroethene	96	3.245	3.245	0.000	97	314437	5.00	4.73	
16 Acetone	43	3.281	3.281	0.000	99	575637	50.0	49.3	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.288	3.288	0.000	93	370218	5.00	4.91	
18 Iodomethane	142	3.434	3.434	0.000	99	668985	5.00	4.86	
19 Ethyl bromide	108	3.452	3.452	0.000	98	272975	5.01	4.41	
20 Carbon disulfide	76	3.525	3.525	0.000	100	1005899	5.00	4.69	
23 Methyl acetate	43	3.672	3.672	0.000	29	148932	5.00	5.23	M
24 3-Chloro-1-propene	41	3.684	3.684	0.000	89	528031	5.00	4.87	
25 Methylene Chloride	84	3.855	3.855	0.000	92	375422	5.00	4.81	
* 26 t-Butyl alcohol-d10 (IS)	65	3.873	3.873	0.000	99	177762	50.0	50.0	
27 2-Methyl-2-propanol	59	3.976	3.976	0.000	97	375561	100.0	91.6	
28 Acrylonitrile	53	4.184	4.184	0.000	98	186885	12.5	13.4	
29 Methyl tert-butyl ether	73	4.226	4.226	0.000	96	912490	5.00	4.90	
30 trans-1,2-Dichloroethene	96	4.239	4.239	0.000	98	362357	5.00	4.91	
31 Hexane	57	4.665	4.665	0.000	93	538256	5.00	5.21	
32 1,1-Dichloroethane	63	4.897	4.897	0.000	96	690713	5.00	4.87	
35 Isopropyl ether	45	4.964	4.964	0.000	93	1150437	5.00	5.06	
36 2-Chloro-1,3-butadiene	53	5.013	5.013	0.000	92	555547	5.00	5.03	
37 Tert-butyl ethyl ether	59	5.507	5.507	0.000	97	1063917	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	5.720	5.720	0.000	100	1078404	50.0	54.8	
39 cis-1,2-Dichloroethene	96	5.738	5.738	0.000	83	426474	5.00	5.17	
40 2,2-Dichloropropane	77	5.751	5.751	0.000	87	568514	5.00	4.88	
43 Propionitrile	54	5.805	5.805	0.000	98	577745	100.0	110.3	
45 Methacrylonitrile	67	6.013	6.013	0.000	92	1112307	50.0	55.3	
46 Chlorobromomethane	128	6.080	6.080	0.000	95	197640	5.00	4.94	
47 Tetrahydrofuran	71	6.098	6.098	0.000	79	161577	25.0	27.4	
S 41 1,2-Dichloroethene, Total	100				0			10.1	
48 Chloroform	83	6.232	6.232	0.000	94	704502	5.00	4.87	
\$ 49 Dibromofluoromethane (Surr)	113	6.452	6.452	0.000	93	581709	10.0	9.91	
50 1,1,1-Trichloroethane	97	6.458	6.458	0.000	99	601954	5.00	4.86	
51 Cyclohexane	56	6.549	6.549	0.000	91	645896	5.00	5.06	
54 Carbon tetrachloride	117	6.665	6.665	0.000	95	537473	5.00	4.96	
53 1,1-Dichloropropene	75	6.671	6.671	0.000	98	548847	5.00	5.00	
55 Isobutyl alcohol	41	6.836	6.836	0.000	93	358137	250.0	248.8	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.897	6.897	0.000	83	118121	10.0	9.93	
57 Benzene	78	6.933	6.933	0.000	97	1610340	5.00	4.91	
58 1,2-Dichloroethane	62	7.006	7.006	0.000	98	456200	5.00	4.87	
60 Tert-amyl methyl ether	73	7.128	7.128	0.000	98	996461	5.00	5.09	
* 61 Fluorobenzene (IS)	96	7.342	7.342	0.000	98	2375608	10.0	10.0	
62 n-Heptane	43	7.366	7.366	0.000	91	507805	5.00	5.00	
63 n-Butanol	56	7.732	7.732	0.000	89	547554	437.5	438.1	
64 Trichloroethene	95	7.823	7.823	0.000	98	420693	5.00	4.84	
65 Methylcyclohexane	83	8.128	8.128	0.000	92	708157	5.00	5.20	
66 1,2-Dichloropropane	63	8.153	8.153	0.000	96	426263	5.00	4.93	
68 1,4-Dioxane	88	8.250	8.250	0.000	37	78301	250.0	253.3	M
67 Methyl methacrylate	69	8.256	8.256	0.000	91	202395	5.00	5.77	
69 Dibromomethane	93	8.268	8.268	0.000	96	212924	5.00	4.98	
71 Dichlorobromomethane	83	8.506	8.506	0.000	99	518479	5.00	4.94	
72 2-Nitropropane	41	8.768	8.768	0.000	99	337569	25.0	25.7	
75 1-Bromo-2-chloroethane	63	8.896	8.896	0.000	99	401545	5.00	4.49	
76 cis-1,3-Dichloropropene	75	9.067	9.067	0.000	95	605599	5.00	5.18	
77 4-Methyl-2-pentanone (MIBK)	43	9.244	9.244	0.000	97	2968874	50.0	56.4	
\$ 78 Toluene-d8 (Surr)	98	9.390	9.390	0.000	94	2343118	10.0	9.96	
79 Toluene	92	9.469	9.469	0.000	98	1018093	5.00	4.91	
97 trans-1,3-Dichloropropene	75	9.744	9.744	0.000	94	516959	5.00	5.27	
99 Ethyl methacrylate	69	9.817	9.817	0.000	88	427537	5.00	5.28	
100 1,1,2-Trichloroethane	97	9.951	9.951	0.000	91	300270	5.00	4.85	
101 Tetrachloroethene	166	10.042	10.042	0.000	97	479532	5.00	4.75	
S 98 1,3-Dichloropropene, Total	100				0			10.4	
102 1,3-Dichloropropane	76	10.116	10.116	0.000	90	532072	5.00	5.01	
103 2-Hexanone	43	10.170	10.170	0.000	97	2094878	50.0	56.6	
105 Chlorodibromomethane	129	10.335	10.335	0.000	90	384743	5.00	5.04	
106 Ethylene Dibromide	107	10.451	10.451	0.000	99	296369	5.00	5.07	
* 107 Chlorobenzene-d5 (IS)	117	10.890	10.890	0.000	86	1785596	10.0	10.0	
108 1-Chlorohexane	91	10.902	10.902	0.000	97	558645	5.00	4.93	
109 Chlorobenzene	112	10.914	10.914	0.000	95	1185368	5.00	4.87	
111 1,1,1,2-Tetrachloroethane	131	11.000	11.000	0.000	95	419128	5.00	4.99	
112 Ethylbenzene	91	11.006	11.006	0.000	98	2054022	5.00	5.08	
113 m-Xylene & p-Xylene	106	11.121	11.121	0.000	94	1616963	10.0	10.3	
S 110 Xylenes, Total	106				0			15.3	
114 o-Xylene	106	11.457	11.457	0.000	96	766421	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
115 Styrene	104	11.469	11.469	0.000	95	1250561	5.00	5.31	
116 Bromoform	173	11.627	11.627	0.000	96	228503	5.00	5.09	
117 Isopropylbenzene	105	11.755	11.755	0.000	96	1802969	5.00	5.17	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.902	11.902	0.000	91	872272	10.0	10.1	
121 1,1,2,2-Tetrachloroethane	83	12.005	12.005	0.000	92	417378	5.00	4.93	
122 Bromobenzene	156	12.018	12.018	0.000	96	498171	5.00	4.93	
123 trans-1,4-Dichloro-2-butene	53	12.030	12.030	0.000	93	997142	50.0	55.0	
124 1,2,3-Trichloropropane	110	12.048	12.048	0.000	80	113700	5.00	4.97	
125 N-Propylbenzene	91	12.091	12.091	0.000	99	2492041	5.00	5.24	
126 2-Chlorotoluene	126	12.164	12.164	0.000	97	501851	5.00	4.95	
127 1,3,5-Trimethylbenzene	105	12.225	12.225	0.000	94	1729793	5.00	5.12	
128 4-Chlorotoluene	126	12.255	12.255	0.000	98	526768	5.00	5.07	
129 tert-Butylbenzene	134	12.469	12.469	0.000	93	402643	5.00	5.09	
130 Pentachloroethane	167	12.499	12.499	0.000	93	282715	5.00	4.60	
131 1,2,4-Trimethylbenzene	105	12.511	12.511	0.000	97	1777764	5.00	5.21	
132 sec-Butylbenzene	105	12.633	12.633	0.000	94	2285330	5.00	5.19	
133 1,3-Dichlorobenzene	146	12.731	12.731	0.000	99	976737	5.00	5.04	
134 4-Isopropyltoluene	119	12.737	12.737	0.000	97	1961910	5.00	5.29	
* 135 1,4-Dichlorobenzene-d4	152	12.786	12.786	0.000	95	1035499	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.804	12.804	0.000	94	997564	5.00	4.78	
137 1,2,3-Trimethylbenzene	120	12.810	12.810	0.000	98	808563	5.00	5.00	
138 Benzyl chloride	126	12.877	12.877	0.000	99	155840	5.00	5.21	
139 n-Butylbenzene	92	13.030	13.030	0.000	96	992428	5.00	5.25	
140 1,2-Dichlorobenzene	146	13.060	13.060	0.000	98	923573	5.00	4.93	
142 1,2-Dibromo-3-Chloropropane	155	13.603	13.603	0.000	85	57764	5.00	5.07	
143 1,3,5-Trichlorobenzene	180	13.731	13.731	0.000	97	709891	5.00	5.03	
144 1,2,4-Trichlorobenzene	180	14.151	14.151	0.000	94	595239	5.00	5.16	
145 Hexachlorobutadiene	225	14.231	14.231	0.000	98	274172	5.00	4.95	
146 Naphthalene	128	14.328	14.328	0.000	97	1216767	5.00	5.41	
147 1,2,3-Trichlorobenzene	180	14.468	14.468	0.000	95	546016	5.00	5.20	
156 p-Diethylbenzene	1		0.000				ND	ND	
155 2-Methylnaphthalene	142		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		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_00162	Amount Added: 5.00	Units: uL	
MSV_LL_#2_826_00172	Amount Added: 5.00	Units: uL	
MSV_LL_GAS826_00262	Amount Added: 5.00	Units: uL	
MSV_LLcentISS_00016	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 19-Mar-2025 10:17:02

Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X17.D

Injection Date: 17-Mar-2025 20:49:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: IC std6

Worklist Smp#: 18

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

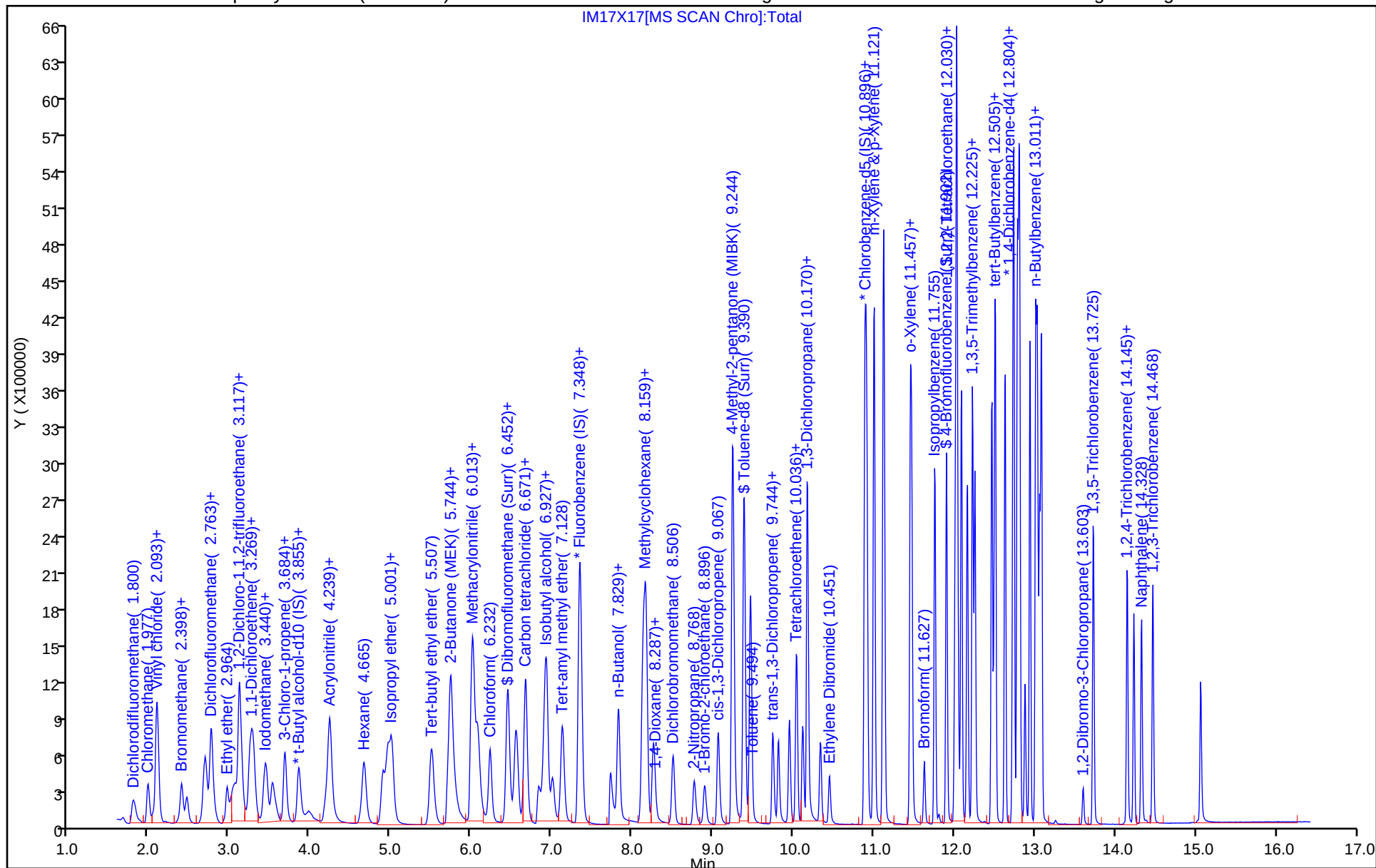
ALS Bottle#: 17

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

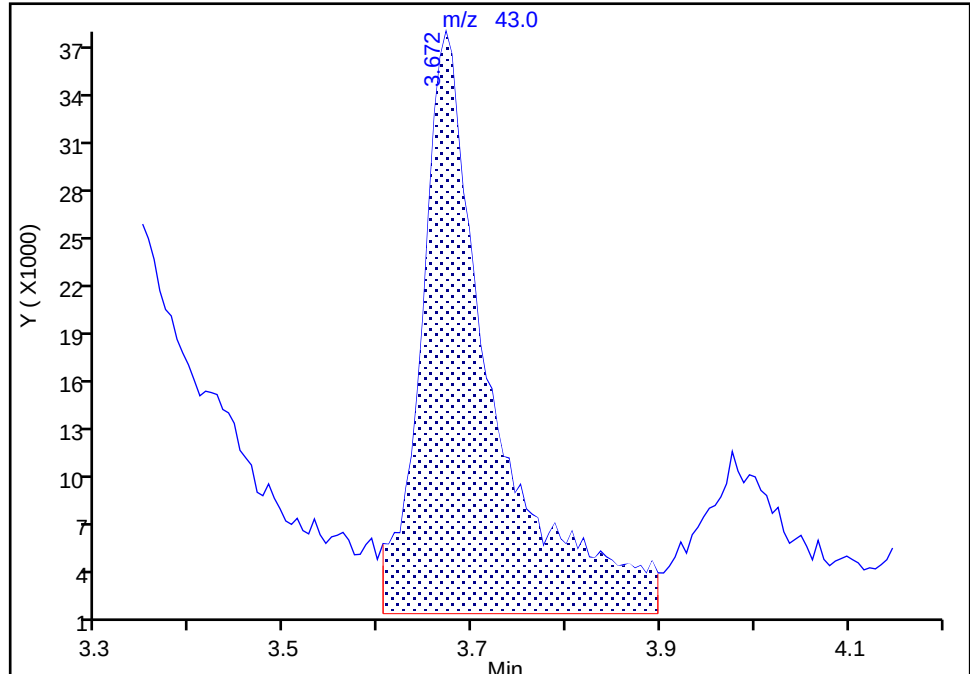
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Injection Date: 17-Mar-2025 20:49:30 Instrument ID: 19930
Lims ID: IC std6
Client ID:
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

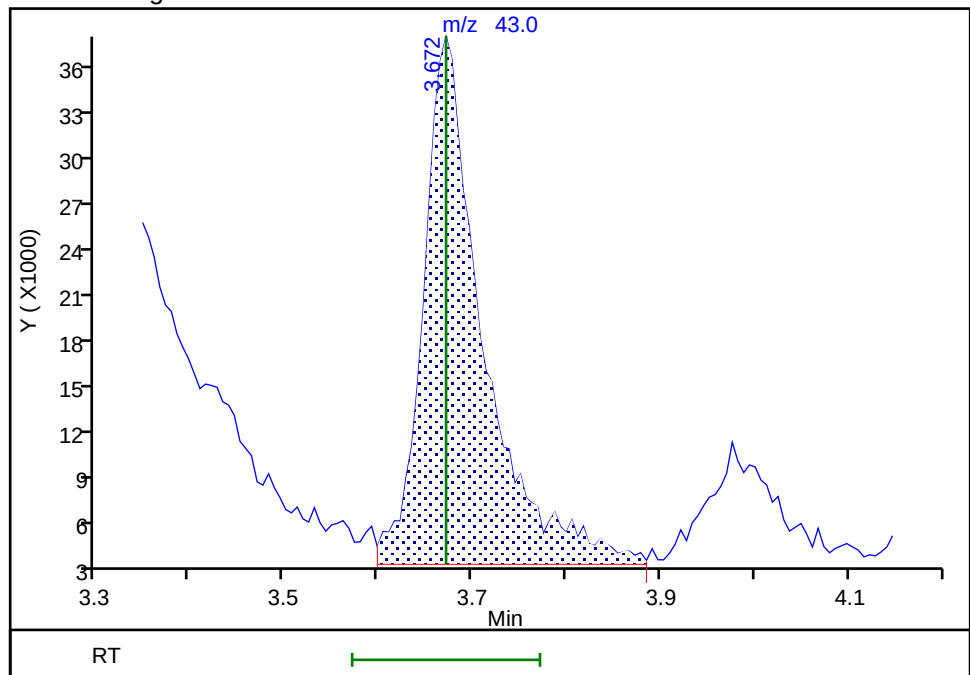
RT: 3.67
Area: 190971
Amount: 5.893321
Amount Units: ug/l

Processing Integration Results



RT: 3.67
Area: 148932
Amount: 5.234669
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:24:01 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

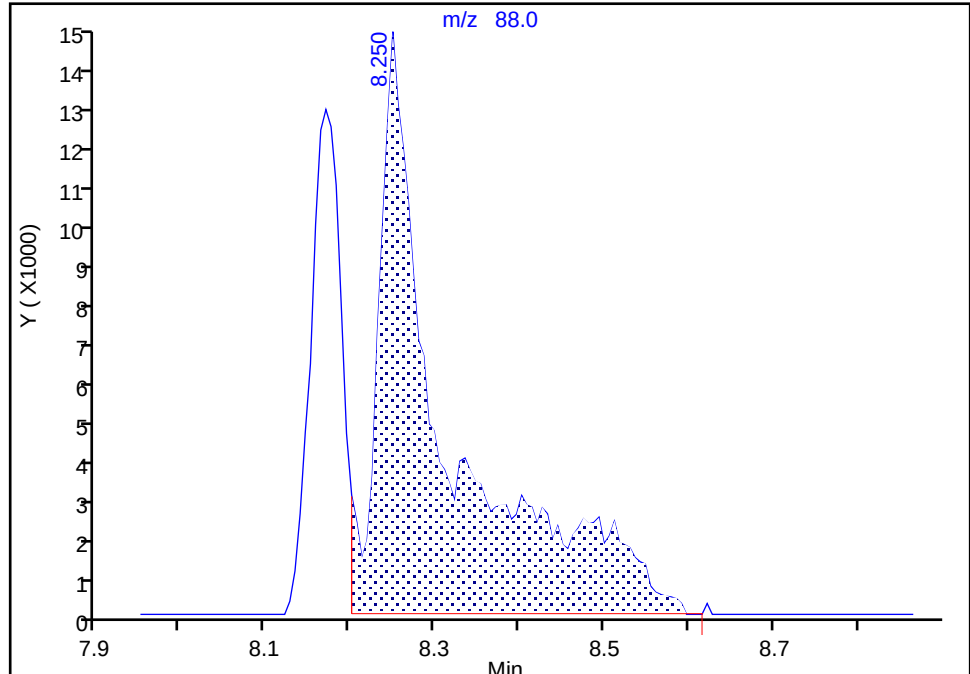
Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X17.D
Injection Date: 17-Mar-2025 20:49:30 Instrument ID: 19930
Lims ID: IC std6
Client ID:
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

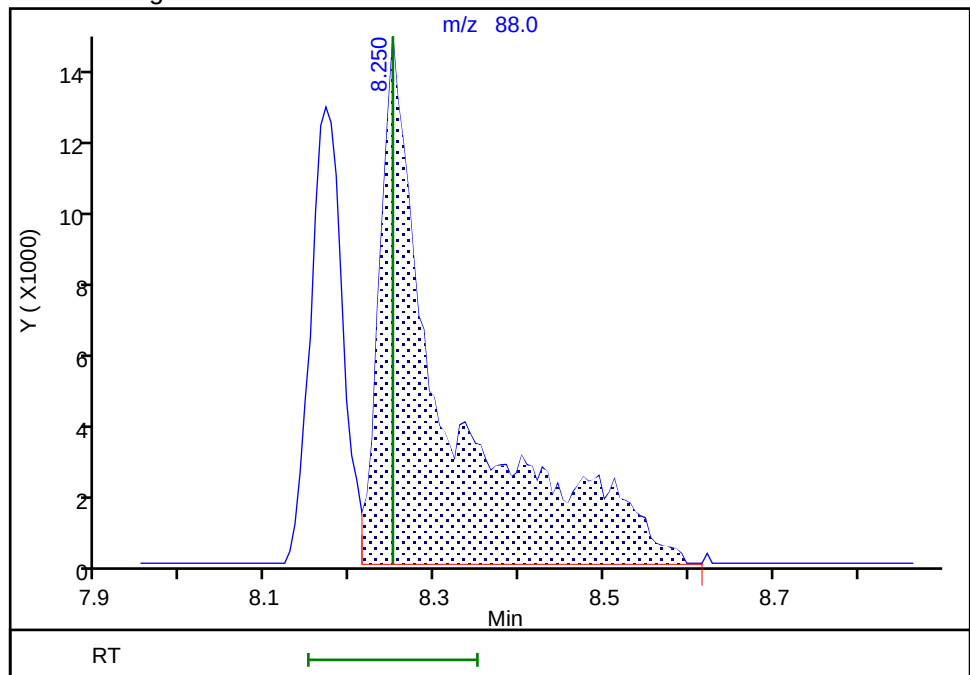
RT: 8.25
Area: 80164
Amount: 241.0026
Amount Units: ug/l

Processing Integration Results



RT: 8.25
Area: 78301
Amount: 253.3351
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:24:16 -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\19930\20250317-141066.b\IM17X18.D
 Lims ID: ICIS std7 LG
 Client ID:
 Sample Type: ICIS Calib Level: 7
 Inject. Date: 17-Mar-2025 21:10:30 ALS Bottle#: 18 Worklist Smp#: 19
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0141066-019
 Misc. Info.: ICIS STD7 LG
 Operator ID: knk41612 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub2
 Method: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 19-Mar-2025 10:17:14 Calib Date: 17-Mar-2025 21:31:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1632

First Level Reviewer: K4WN

Date: 18-Mar-2025 08:25:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.806	1.806	0.000	99	867503	10.0	8.81	
4 Chloromethane	50	1.989	1.989	0.000	99	1040434	10.0	8.21	
5 Vinyl chloride	62	2.099	2.099	0.000	97	950843	10.0	8.92	
6 Butadiene	39	2.099	2.099	0.000	92	1180323	10.0	7.90	
7 Bromomethane	94	2.404	2.404	0.000	90	731589	10.0	8.38	
8 Chloroethane	64	2.471	2.471	0.000	100	600530	10.0	8.83	
9 Dichlorofluoromethane	67	2.696	2.696	0.000	97	1672020	10.0	8.53	
10 Trichlorofluoromethane	101	2.757	2.757	0.000	97	1259649	10.0	9.37	
11 Ethyl ether	59	2.971	2.971	0.000	91	567595	10.0	8.96	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.056	3.056	0.000	93	884896	10.0	9.31	
14 Acrolein	56	3.123	3.123	0.000	99	4586971	487.9	523.6	
15 1,1-Dichloroethene	96	3.257	3.257	0.000	98	625036	10.0	8.83	
16 Acetone	43	3.282	3.282	0.000	100	1174556	100.0	90.5	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.294	3.294	0.000	93	718353	10.0	8.94	
18 Iodomethane	142	3.440	3.440	0.000	99	1343815	10.0	9.17	
19 Ethyl bromide	108	3.458	3.458	0.000	99	592486	10.0	9.00	
20 Carbon disulfide	76	3.538	3.538	0.000	99	2015469	10.0	8.83	
23 Methyl acetate	43	3.672	3.672	0.000	97	320622	10.0	10.1	M
24 3-Chloro-1-propene	41	3.690	3.690	0.000	89	1076622	10.0	9.33	
25 Methylene Chloride	84	3.861	3.861	0.000	92	744972	10.0	8.96	
* 26 t-Butyl alcohol-d10 (IS)	65	3.873	3.873	0.000	99	197604	50.0	50.0	
27 2-Methyl-2-propanol	59	3.989	3.989	0.000	98	784960	200.0	172.2	
28 Acrylonitrile	53	4.178	4.178	0.000	98	383552	25.0	24.7	
29 Methyl tert-butyl ether	73	4.233	4.233	0.000	96	1897743	10.0	9.57	
30 trans-1,2-Dichloroethene	96	4.245	4.245	0.000	98	719770	10.0	9.17	
31 Hexane	57	4.672	4.672	0.000	92	1053642	10.0	9.58	
32 1,1-Dichloroethane	63	4.903	4.903	0.000	96	1397471	10.0	9.26	
35 Isopropyl ether	45	4.964	4.964	0.000	93	2348680	10.0	9.70	
36 2-Chloro-1,3-butadiene	53	5.019	5.019	0.000	92	1152715	10.0	9.82	
37 Tert-butyl ethyl ether	59	5.513	5.513	0.000	97	2206742	10.0	9.75	

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	5.720	5.720	0.000	99	2223160	100.0	101.6	
39 cis-1,2-Dichloroethene	96	5.745	5.745	0.000	83	862331	10.0	9.83	
40 2,2-Dichloropropane	77	5.757	5.757	0.000	88	1144064	10.0	9.22	
43 Propionitrile	54	5.799	5.799	0.000	99	1238293	200.0	212.7	
45 Methacrylonitrile	67	6.019	6.019	0.000	91	2326880	100.0	104.1	
46 Chlorobromomethane	128	6.080	6.080	0.000	90	404234	10.0	9.50	
47 Tetrahydrofuran	71	6.092	6.092	0.000	79	343194	50.0	52.3	
48 Chloroform	83	6.238	6.238	0.000	94	1424329	10.0	9.26	
\$ 49 Dibromofluoromethane (Surr)	113	6.452	6.452	0.000	93	621958	10.0	9.96	
50 1,1,1-Trichloroethane	97	6.458	6.458	0.000	99	1201115	10.0	9.12	
51 Cyclohexane	56	6.561	6.561	0.000	90	1285512	10.0	9.47	
54 Carbon tetrachloride	117	6.671	6.671	0.000	97	1065827	10.0	9.23	
53 1,1-Dichloropropene	75	6.677	6.677	0.000	96	1106272	10.0	9.47	
55 Isobutyl alcohol	41	6.836	6.836	0.000	93	768008	500.0	480.0	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.903	6.903	0.000	97	125073	10.0	9.88	
57 Benzene	78	6.933	6.933	0.000	97	3241142	10.0	9.28	
58 1,2-Dichloroethane	62	7.013	7.013	0.000	98	938251	10.0	9.40	
60 Tert-amyl methyl ether	73	7.135	7.135	0.000	99	2070244	10.0	9.94	
* 61 Fluorobenzene (IS)	96	7.342	7.342	0.000	99	2528151	10.0	10.0	
62 n-Heptane	43	7.366	7.366	0.000	91	1000807	10.0	9.27	
63 n-Butanol	56	7.726	7.726	0.000	88	1216149	875.0	845.8	
64 Trichloroethene	95	7.830	7.830	0.000	97	840412	10.0	9.09	
65 Methylcyclohexane	83	8.134	8.134	0.000	92	1395288	10.0	9.62	
66 1,2-Dichloropropane	63	8.159	8.159	0.000	90	866977	10.0	9.41	
68 1,4-Dioxane	88	8.250	8.250	0.000	35	172137	500.0	501.0	M
67 Methyl methacrylate	69	8.256	8.256	0.000	89	422456	10.0	10.8	
69 Dibromomethane	93	8.268	8.268	0.000	96	437982	10.0	9.63	
71 Dichlorobromomethane	83	8.506	8.506	0.000	99	1052683	10.0	9.42	
72 2-Nitropropane	41	8.768	8.768	0.000	99	717770	50.0	49.2	
75 1-Bromo-2-chloroethane	63	8.896	8.896	0.000	99	896678	10.0	9.43	
76 cis-1,3-Dichloropropene	75	9.067	9.067	0.000	96	1270142	10.0	10.2	
77 4-Methyl-2-pentanone (MIBK)	43	9.250	9.250	0.000	97	6141987	100.0	104.9	
\$ 78 Toluene-d8 (Surr)	98	9.390	9.390	0.000	94	2502545	10.0	10.0	
79 Toluene	92	9.469	9.469	0.000	97	2035073	10.0	9.23	
97 trans-1,3-Dichloropropene	75	9.744	9.744	0.000	94	1090525	10.0	10.4	
99 Ethyl methacrylate	69	9.811	9.811	0.000	89	926652	10.0	10.8	
100 1,1,2-Trichloroethane	97	9.951	9.951	0.000	91	609961	10.0	9.27	
101 Tetrachloroethene	166	10.042	10.042	0.000	97	954514	10.0	8.89	
102 1,3-Dichloropropane	76	10.116	10.116	0.000	91	1068090	10.0	9.44	
103 2-Hexanone	43	10.171	10.171	0.000	97	4407541	100.0	107.0	
105 Chlorodibromomethane	129	10.335	10.335	0.000	90	794322	10.0	9.78	
106 Ethylene Dibromide	107	10.451	10.451	0.000	99	601165	10.0	9.67	
* 107 Chlorobenzene-d5 (IS)	117	10.890	10.890	0.000	85	1899624	10.0	10.0	
108 1-Chlorohexane	91	10.902	10.902	0.000	98	1149154	10.0	9.53	
109 Chlorobenzene	112	10.914	10.914	0.000	95	2396616	10.0	9.25	
111 1,1,1,2-Tetrachloroethane	131	11.000	11.000	0.000	95	842460	10.0	9.43	
112 Ethylbenzene	91	11.006	11.006	0.000	98	4151451	10.0	9.64	
113 m-Xylene & p-Xylene	106	11.122	11.122	0.000	94	3265584	20.0	19.5	
114 o-Xylene	106	11.457	11.457	0.000	96	1586761	10.0	9.89	
115 Styrene	104	11.469	11.469	0.000	94	2589171	10.0	10.3	
116 Bromoform	173	11.628	11.628	0.000	97	479236	10.0	10.0	
117 Isopropylbenzene	105	11.756	11.756	0.000	96	3674824	10.0	9.91	

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	11.902	11.902	0.000	91	943586	10.0	10.3	
121 1,1,2,2-Tetrachloroethane	83	12.006	12.006	0.000	93	848239	10.0	9.32	
122 Bromobenzene	156	12.018	12.018	0.000	95	1017891	10.0	9.37	
123 trans-1,4-Dichloro-2-butene	53	12.030	12.030	0.000	93	2164989	100.0	107.3	
124 1,2,3-Trichloropropane	110	12.048	12.048	0.000	80	232052	10.0	9.44	
125 N-Propylbenzene	91	12.091	12.091	0.000	99	5025930	10.0	9.83	
126 2-Chlorotoluene	126	12.164	12.164	0.000	97	1028131	10.0	9.45	
127 1,3,5-Trimethylbenzene	105	12.225	12.225	0.000	94	3560054	10.0	9.81	
128 4-Chlorotoluene	126	12.255	12.255	0.000	98	1057520	10.0	9.48	
129 tert-Butylbenzene	134	12.469	12.469	0.000	93	828530	10.0	9.75	
130 Pentachloroethane	167	12.499	12.499	0.000	94	640789	10.0	9.71	
131 1,2,4-Trimethylbenzene	105	12.512	12.512	0.000	97	3662492	10.0	10.0	
132 sec-Butylbenzene	105	12.633	12.633	0.000	94	4625861	10.0	9.78	
133 1,3-Dichlorobenzene	146	12.725	12.725	0.000	98	1997542	10.0	9.60	
134 4-Isopropyltoluene	119	12.737	12.737	0.000	97	4048586	10.0	10.2	
* 135 1,4-Dichlorobenzene-d4	152	12.786	12.786	0.000	94	1112211	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.804	12.804	0.000	94	2052419	10.0	9.16	
137 1,2,3-Trimethylbenzene	120	12.810	12.810	0.000	98	1656217	10.0	9.53	
138 Benzyl chloride	126	12.877	12.877	0.000	99	340972	10.0	10.6	
139 n-Butylbenzene	92	13.030	13.030	0.000	96	2040326	10.0	10.1	
140 1,2-Dichlorobenzene	146	13.060	13.060	0.000	98	1895168	10.0	9.42	
142 1,2-Dibromo-3-Chloropropane	155	13.603	13.603	0.000	86	126594	10.0	10.3	
143 1,3,5-Trichlorobenzene	180	13.725	13.725	0.000	97	1479204	10.0	9.76	
144 1,2,4-Trichlorobenzene	180	14.145	14.145	0.000	94	1268157	10.0	10.2	
145 Hexachlorobutadiene	225	14.231	14.231	0.000	97	570337	10.0	9.58	
146 Naphthalene	128	14.322	14.322	0.000	97	2600870	10.0	10.8	
147 1,2,3-Trichlorobenzene	180	14.468	14.468	0.000	96	1118380	10.0	9.92	
156 p-Diethylbenzene	1		0.000				ND	ND	
155 2-Methylnaphthalene	142		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00162

Amount Added: 10.00

Units: uL

MSV_LL_#2_826_00172

Amount Added: 10.00

Units: uL

MSV_LL_GAS826_00262

Amount Added: 10.00

Units: uL

MSV_LLcentISS_00016

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 19-Mar-2025 10:17:14

Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X18.D

Injection Date: 17-Mar-2025 21:10:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: ICIS std7 LG

Worklist Smp#: 19

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

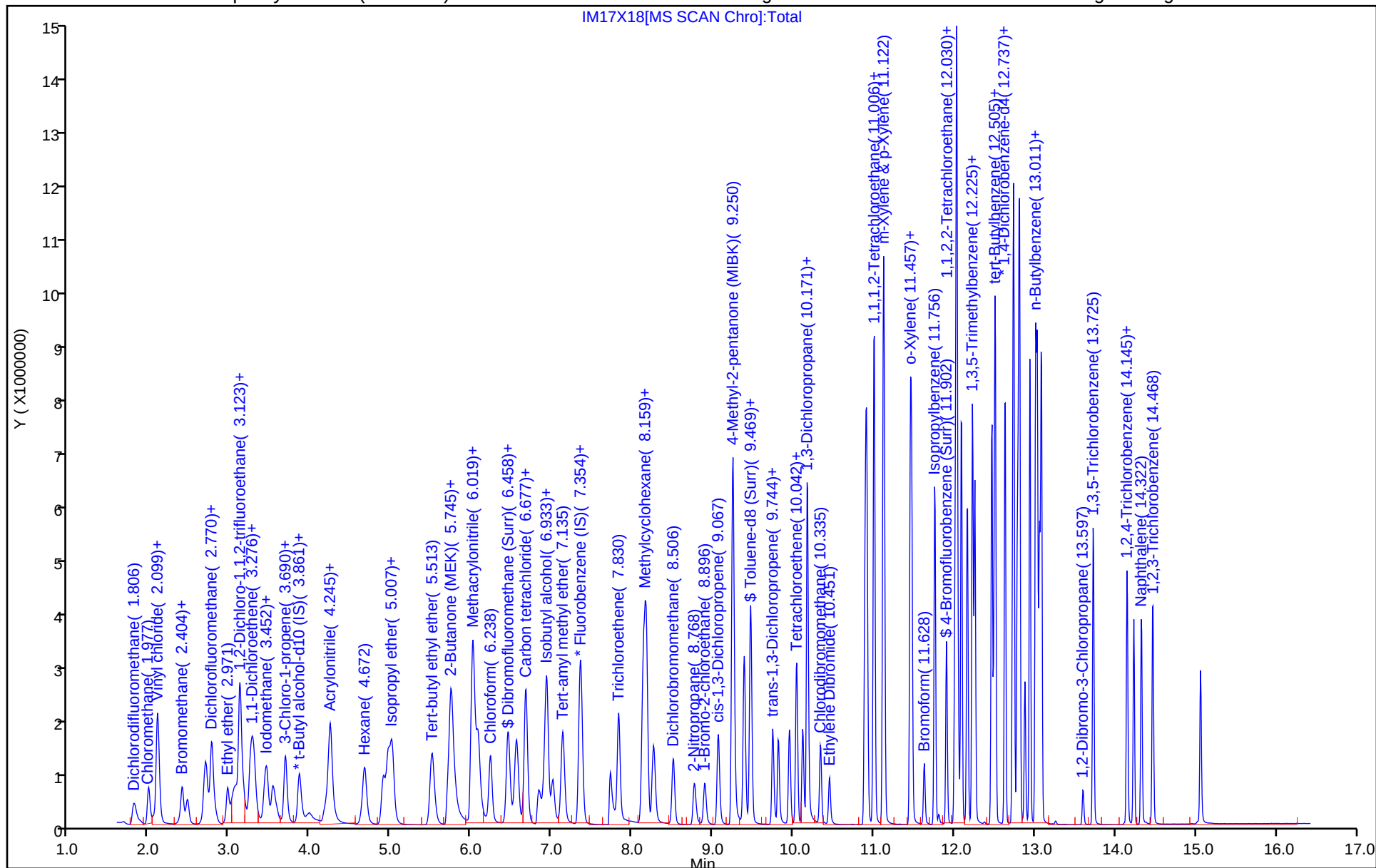
ALS Bottle#: 18

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

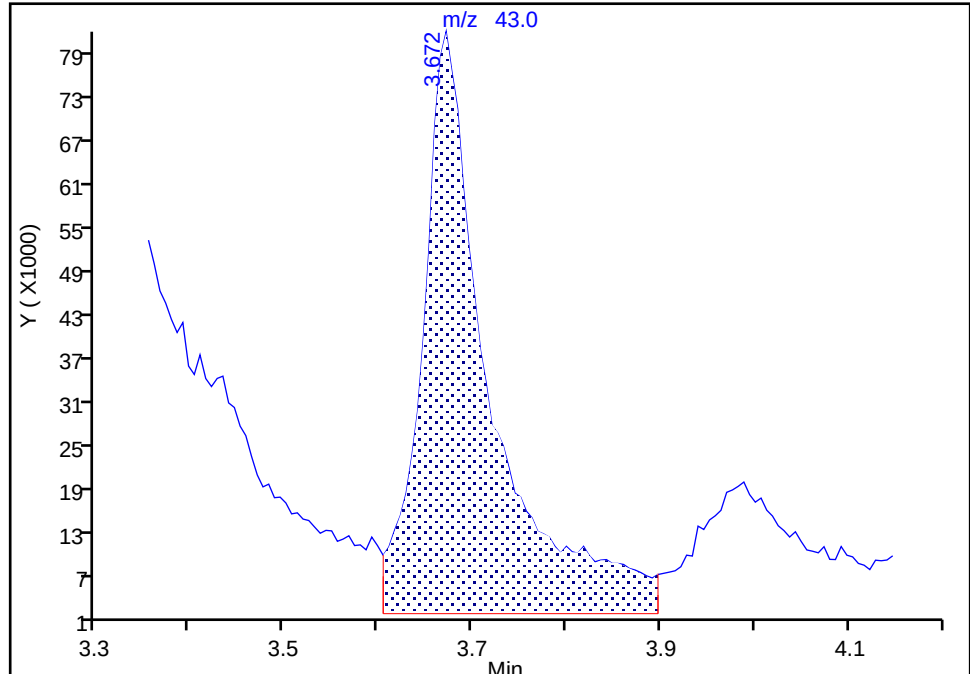
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Injection Date: 17-Mar-2025 21:10:30 Instrument ID: 19930
Lims ID: ICIS std7 LG
Client ID:
Operator ID: knk41612 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

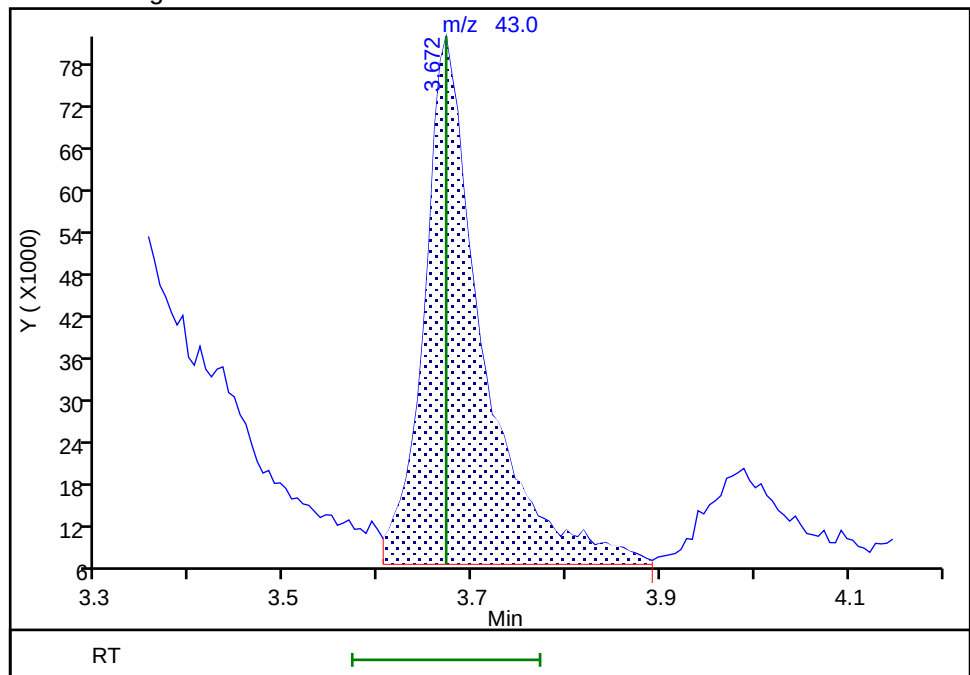
RT: 3.67
Area: 402149
Amount: 11.668676
Amount Units: ug/l

Processing Integration Results



RT: 3.67
Area: 320622
Amount: 10.137659
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:24:57 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

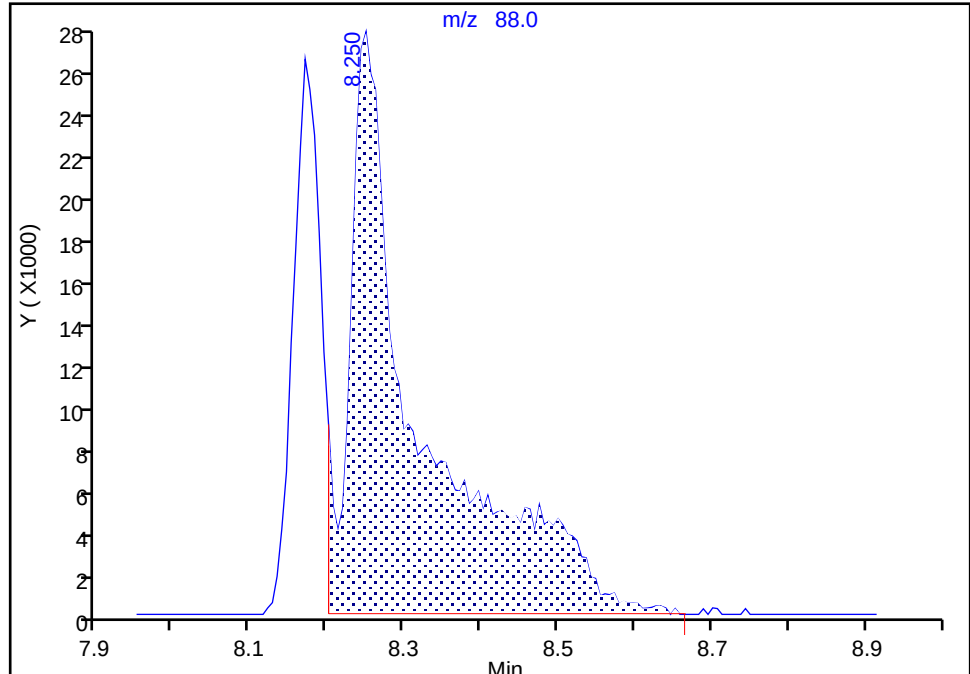
Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X18.D
Injection Date: 17-Mar-2025 21:10:30 Instrument ID: 19930
Lims ID: ICIS std7 LG
Client ID:
Operator ID: knk41612 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

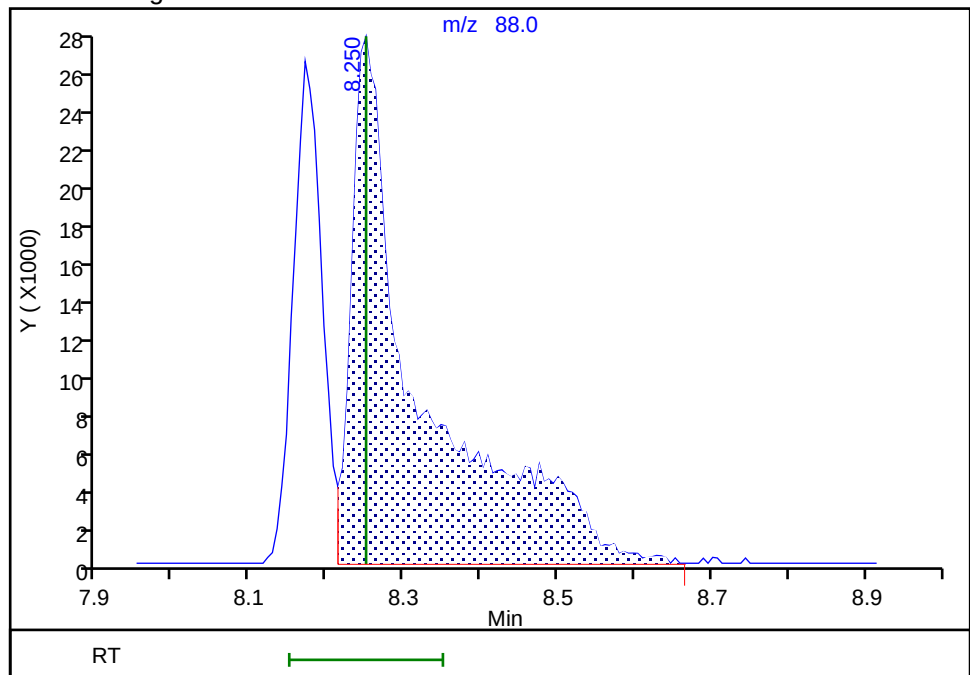
RT: 8.25
Area: 177318
Amount: 474.8944
Amount Units: ug/l

Processing Integration Results



RT: 8.25
Area: 172137
Amount: 501.0089
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:25:12 -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\19930\20250317-141066.b\IM17X19.D
 Lims ID: IC std8
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 17-Mar-2025 21:31:30 ALS Bottle#: 19 Worklist Smp#: 20
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0141066-020
 Misc. Info.: IC STD8
 Operator ID: knk41612 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub2
 Method: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 19-Mar-2025 10:17:29 Calib Date: 17-Mar-2025 21:31:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1632

First Level Reviewer: K4WN

Date: 18-Mar-2025 08:31:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.806	1.806	0.000	99	2220078	25.0	21.2	
4 Chloromethane	50	1.983	1.989	-0.006	99	2750277	25.0	20.4	
5 Vinyl chloride	62	2.093	2.099	-0.006	98	2569365	25.0	22.6	
6 Butadiene	39	2.099	2.099	0.000	91	3022408	25.0	19.0	
7 Bromomethane	94	2.404	2.404	0.000	91	1986971	25.0	21.4	
8 Chloroethane	64	2.471	2.471	0.000	100	1625711	25.0	22.5	
9 Dichlorofluoromethane	67	2.696	2.696	0.000	97	4512774	25.0	21.6	
10 Trichlorofluoromethane	101	2.757	2.757	0.000	98	3359846	25.0	23.5	
11 Ethyl ether	59	2.965	2.971	-0.006	92	1582602	25.0	23.5	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.056	3.056	0.000	93	2402656	25.0	23.8	
14 Acrolein	56	3.117	3.123	-0.006	99	13559936	1219.8	1415.0	
15 1,1-Dichloroethene	96	3.251	3.257	-0.006	98	1721357	25.0	22.9	
16 Acetone	43	3.276	3.282	-0.006	99	3237225	250.0	228.0	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.294	3.294	0.000	93	1958549	25.0	22.9	
18 Iodomethane	142	3.434	3.440	-0.006	99	3718381	25.0	23.8	
19 Ethyl bromide	108	3.458	3.458	0.000	99	1629133	25.0	23.2	
20 Carbon disulfide	76	3.532	3.538	-0.006	99	5505142	25.0	22.7	
23 Methyl acetate	43	3.666	3.672	-0.006	97	938012	25.0	27.1	M
24 3-Chloro-1-propene	41	3.684	3.690	-0.006	90	3031605	25.0	24.7	
25 Methylene Chloride	84	3.861	3.861	0.000	92	2055987	25.0	23.2	
* 26 t-Butyl alcohol-d10 (IS)	65	3.879	3.873	0.006	98	216169	50.0	50.0	
27 2-Methyl-2-propanol	59	3.989	3.989	0.000	99	2328220	500.0	466.9	
28 Acrylonitrile	53	4.166	4.178	-0.012	98	1116465	62.5	65.8	
29 Methyl tert-butyl ether	73	4.227	4.233	-0.006	95	5318132	25.0	25.2	
30 trans-1,2-Dichloroethene	96	4.245	4.245	0.000	99	2008826	25.0	24.0	
31 Hexane	57	4.666	4.672	-0.006	93	2928718	25.0	25.0	
32 1,1-Dichloroethane	63	4.903	4.903	0.000	96	3827349	25.0	23.8	
35 Isopropyl ether	45	4.970	4.964	0.006	93	6577489	25.0	25.5	
36 2-Chloro-1,3-butadiene	53	5.013	5.019	-0.006	92	3235253	25.0	25.9	
37 Tert-butyl ethyl ether	59	5.513	5.513	0.000	98	6201278	25.0	25.7	

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	5.714	5.720	-0.006	100	6229804	250.0	260.3	
39 cis-1,2-Dichloroethene	96	5.745	5.745	0.000	83	2385156	25.0	25.5	
40 2,2-Dichloropropane	77	5.757	5.757	0.000	87	3181990	25.0	24.1	
43 Propionitrile	54	5.799	5.799	0.000	99	3616266	500.0	567.8	
45 Methacrylonitrile	67	6.019	6.019	0.000	91	6534377	250.0	267.3	
46 Chlorobromomethane	128	6.080	6.080	0.000	94	1117019	25.0	24.7	
47 Tetrahydrofuran	71	6.098	6.092	0.006	78	915468	125.0	127.4	
S 41 1,2-Dichloroethene, Total	100				0			49.6	
48 Chloroform	83	6.232	6.238	-0.006	94	3891858	25.0	23.8	
\$ 49 Dibromofluoromethane (Surr)	113	6.452	6.452	0.000	94	658129	10.0	9.90	
50 1,1,1-Trichloroethane	97	6.458	6.458	0.000	99	3296750	25.0	23.5	
51 Cyclohexane	56	6.562	6.561	0.001	90	3557226	25.0	24.6	
54 Carbon tetrachloride	117	6.671	6.671	0.000	96	2976831	25.0	24.2	
53 1,1-Dichloropropene	75	6.677	6.677	0.000	97	3066005	25.0	24.6	
55 Isobutyl alcohol	41	6.836	6.836	0.000	94	2129603	1250.0	1216.6	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.903	6.903	0.000	80	131850	10.0	9.78	
57 Benzene	78	6.933	6.933	0.000	97	8874944	25.0	23.9	
58 1,2-Dichloroethane	62	7.007	7.013	-0.006	97	2526418	25.0	23.8	
60 Tert-amyl methyl ether	73	7.135	7.135	0.000	98	5769149	25.0	26.0	
* 61 Fluorobenzene (IS)	96	7.348	7.342	0.006	99	2691008	10.0	10.0	
62 n-Heptane	43	7.360	7.366	-0.006	91	2799116	25.0	24.4	
63 n-Butanol	56	7.726	7.726	0.000	88	3534527	2187.5	2198.0	
64 Trichloroethene	95	7.830	7.830	0.000	98	2325645	25.0	23.6	
65 Methylcyclohexane	83	8.134	8.134	0.000	92	3864888	25.0	25.0	
66 1,2-Dichloropropane	63	8.159	8.159	0.000	90	2433034	25.0	24.8	
68 1,4-Dioxane	88	8.250	8.250	0.000	33	456429	1250.0	1214.4	M
67 Methyl methacrylate	69	8.250	8.256	-0.006	90	1262398	25.0	29.6	
69 Dibromomethane	93	8.268	8.268	0.000	96	1197792	25.0	24.7	
71 Dichlorobromomethane	83	8.506	8.506	0.000	99	2917500	25.0	24.5	
72 2-Nitropropane	41	8.768	8.768	0.000	99	2012071	125.0	126.0	
75 1-Bromo-2-chloroethane	63	8.896	8.896	0.000	99	2454414	25.0	24.2	
76 cis-1,3-Dichloropropene	75	9.067	9.067	0.000	97	3626659	25.0	27.4	
77 4-Methyl-2-pentanone (MIBK)	43	9.250	9.250	0.000	96	17034210	250.0	266.1	
\$ 78 Toluene-d8 (Surr)	98	9.390	9.390	0.000	94	2667403	10.0	9.88	
79 Toluene	92	9.469	9.469	0.000	98	5724327	25.0	24.1	
97 trans-1,3-Dichloropropene	75	9.744	9.744	0.000	93	3117732	25.0	27.7	
99 Ethyl methacrylate	69	9.811	9.811	0.000	89	2657190	25.0	28.6	
100 1,1,2-Trichloroethane	97	9.951	9.951	0.000	91	1689096	25.0	23.8	
101 Tetrachloroethene	166	10.043	10.042	0.001	97	2672239	25.0	23.1	
S 98 1,3-Dichloropropene, Total	100				0			55.1	
102 1,3-Dichloropropane	76	10.116	10.116	0.000	91	2979287	25.0	24.4	
103 2-Hexanone	43	10.171	10.171	0.000	96	12319076	250.0	273.5	
105 Chlorodibromomethane	129	10.335	10.335	0.000	90	2243211	25.0	25.6	
106 Ethylene Dibromide	107	10.445	10.451	-0.006	99	1680441	25.0	25.1	
* 107 Chlorobenzene-d5 (IS)	117	10.890	10.890	0.000	85	2048855	10.0	10.0	
108 1-Chlorohexane	91	10.902	10.902	0.000	98	3269970	25.0	25.1	
109 Chlorobenzene	112	10.914	10.914	0.000	96	6733799	25.0	24.1	
111 1,1,1,2-Tetrachloroethane	131	11.000	11.000	0.000	96	2402856	25.0	24.9	
112 Ethylbenzene	91	11.006	11.006	0.000	98	11666486	25.0	25.1	
113 m-Xylene & p-Xylene	106	11.116	11.122	-0.006	93	9119026	50.0	50.4	e
S 110 Xylenes, Total	106				0			76.4	
114 o-Xylene	106	11.457	11.457	0.000	97	4504679	25.0	26.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
115 Styrene	104	11.469	11.469	0.000	95	7493215	25.0	27.7	
116 Bromoform	173	11.628	11.628	0.000	97	1384685	25.0	26.9	
117 Isopropylbenzene	105	11.756	11.756	0.000	96	10299232	25.0	25.8	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.902	11.902	0.000	91	1018318	10.0	10.3	
121 1,1,2,2-Tetrachloroethane	83	12.006	12.006	0.000	92	2379856	25.0	23.9	
122 Bromobenzene	156	12.018	12.018	0.000	96	2907571	25.0	24.4	
123 trans-1,4-Dichloro-2-butene	53	12.030	12.030	0.000	92	6414948	250.0	290.7	
124 1,2,3-Trichloropropane	110	12.048	12.048	0.000	82	637616	25.0	23.7	
125 N-Propylbenzene	91	12.085	12.091	-0.006	98	12937524	25.0	23.1	e
126 2-Chlorotoluene	126	12.164	12.164	0.000	97	2881174	25.0	24.1	
127 1,3,5-Trimethylbenzene	105	12.225	12.225	0.000	94	9996943	25.0	25.1	
128 4-Chlorotoluene	126	12.256	12.255	0.001	97	3029367	25.0	24.8	
129 tert-Butylbenzene	134	12.469	12.469	0.000	93	2341570	25.0	25.1	
130 Pentachloroethane	167	12.499	12.499	0.000	94	1834823	25.0	25.4	
131 1,2,4-Trimethylbenzene	105	12.512	12.512	0.000	97	10331534	25.0	25.7	
132 sec-Butylbenzene	105	12.627	12.633	-0.006	95	12362120	25.0	23.8	e
133 1,3-Dichlorobenzene	146	12.725	12.725	0.000	98	5693507	25.0	25.0	
134 4-Isopropyltoluene	119	12.737	12.737	0.000	96	11301809	25.0	25.9	e
* 135 1,4-Dichlorobenzene-d4	152	12.786	12.786	0.000	93	1219190	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.804	12.804	0.000	93	5796258	25.0	23.6	
137 1,2,3-Trimethylbenzene	120	12.810	12.810	0.000	98	4721333	25.0	24.8	
138 Benzyl chloride	126	12.877	12.877	0.000	99	988599	25.0	28.1	
139 n-Butylbenzene	92	13.030	13.030	0.000	97	5954848	25.0	26.8	
140 1,2-Dichlorobenzene	146	13.060	13.060	0.000	98	5353962	25.0	24.3	
142 1,2-Dibromo-3-Chloropropane	155	13.603	13.603	0.000	87	363600	25.0	27.1	
143 1,3,5-Trichlorobenzene	180	13.725	13.725	0.000	97	4258260	25.0	25.6	
144 1,2,4-Trichlorobenzene	180	14.145	14.145	0.000	94	3629811	25.0	26.7	
145 Hexachlorobutadiene	225	14.231	14.231	0.000	98	1657265	25.0	25.4	
146 Naphthalene	128	14.322	14.322	0.000	97	7218984	25.0	27.3	
147 1,2,3-Trichlorobenzene	180	14.469	14.468	0.000	96	3238162	25.0	26.2	
156 p-Diethylbenzene	1		0.000				ND	ND	
155 2-Methylnaphthalene	142		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

e - Potential Peak Saturated

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00162

Amount Added: 25.00

Units: uL

MSV_LL_#2_826_00172

Amount Added: 25.00

Units: uL

MSV_LL_GAS826_00262

Amount Added: 25.00

Units: uL

MSV_LLcentISS_00016

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 19-Mar-2025 10:17:29

Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D

Injection Date: 17-Mar-2025 21:31:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: IC std8

Worklist Smp#: 20

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

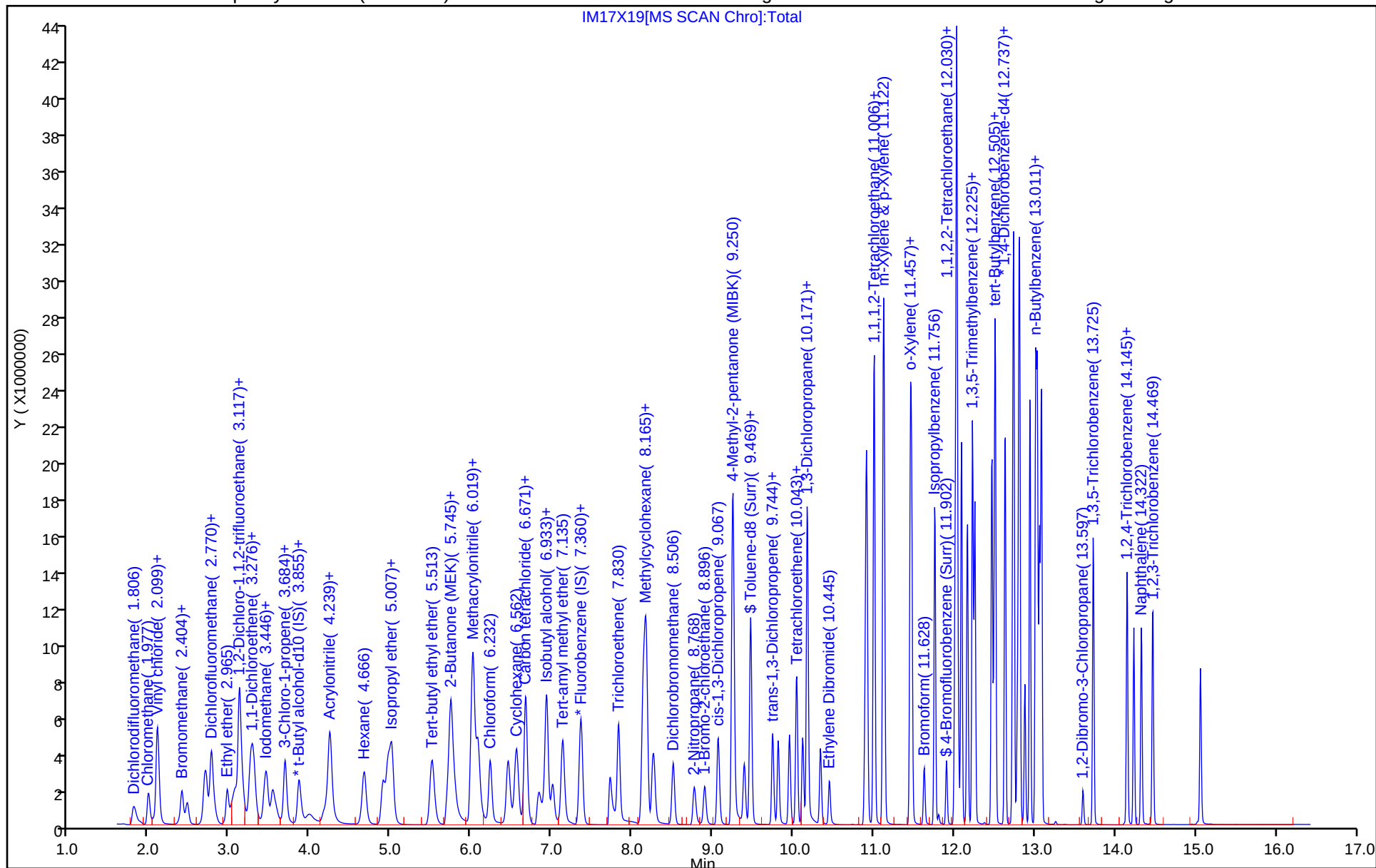
ALS Bottle#: 19

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

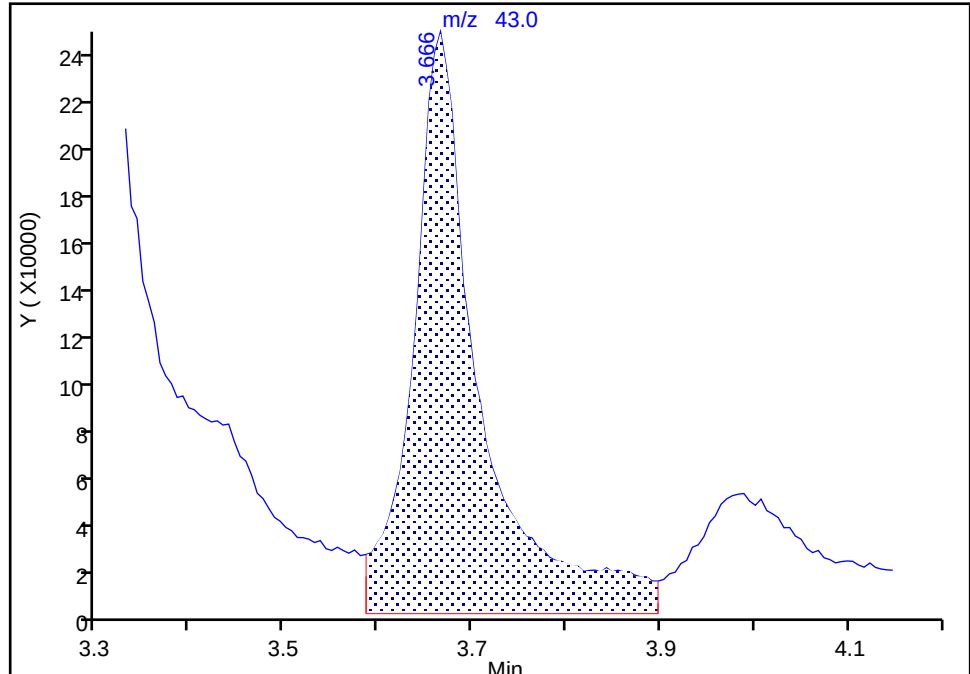
Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
Injection Date: 17-Mar-2025 21:31:30 Instrument ID: 19930
Lims ID: IC std8
Client ID:
Operator ID: knk41612 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

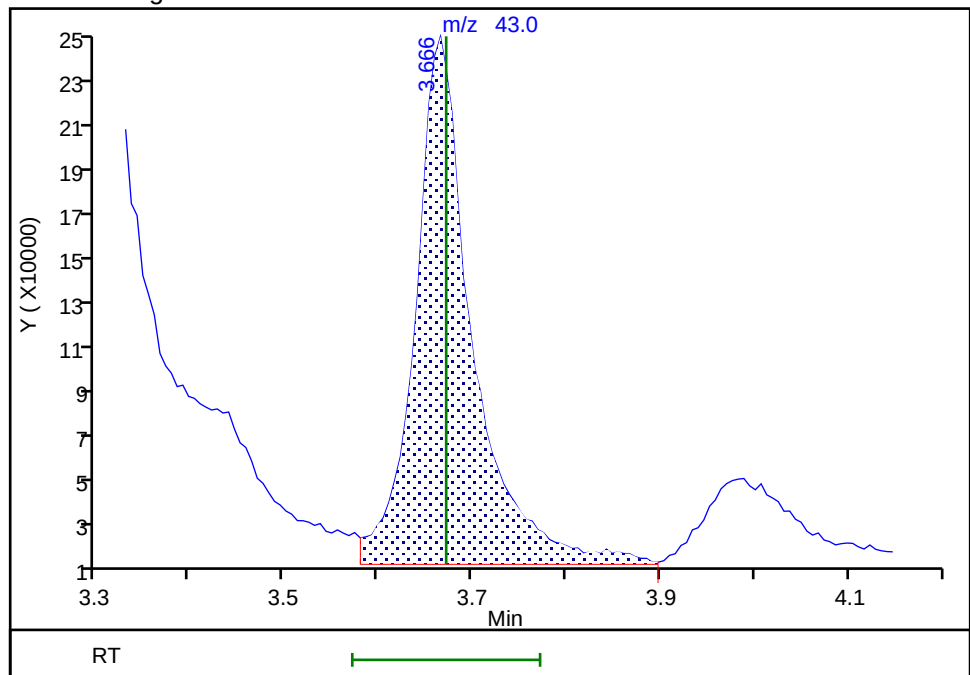
RT: 3.67
Area: 1180601
Amount: 25.015929
Amount Units: ug/l

Processing Integration Results



RT: 3.67
Area: 938012
Amount: 27.111596
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:25:52 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

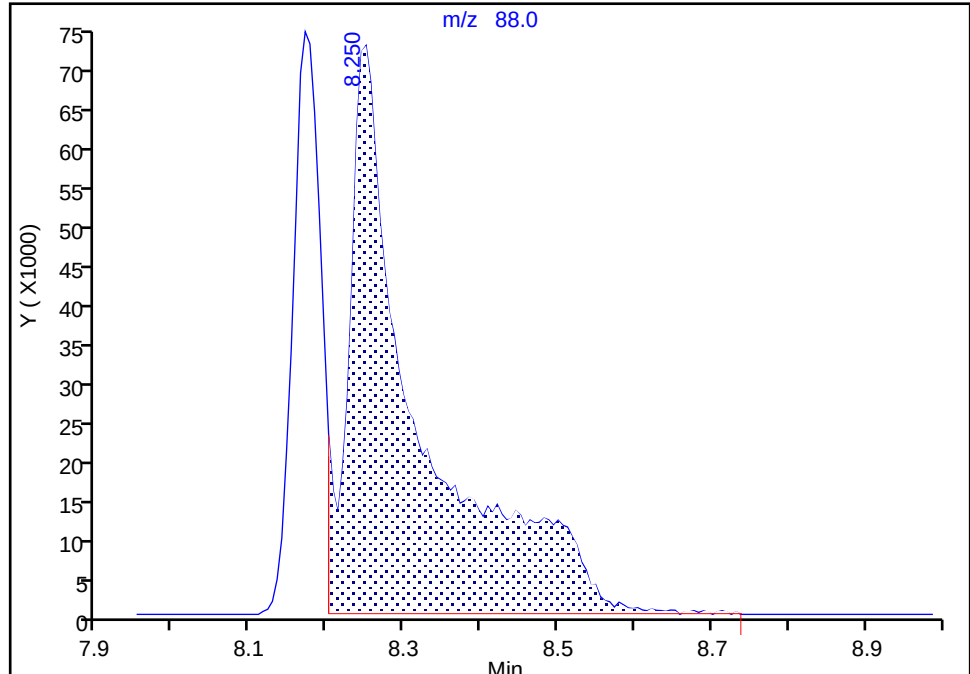
Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
Injection Date: 17-Mar-2025 21:31:30 Instrument ID: 19930
Lims ID: IC std8
Client ID:
Operator ID: knk41612 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

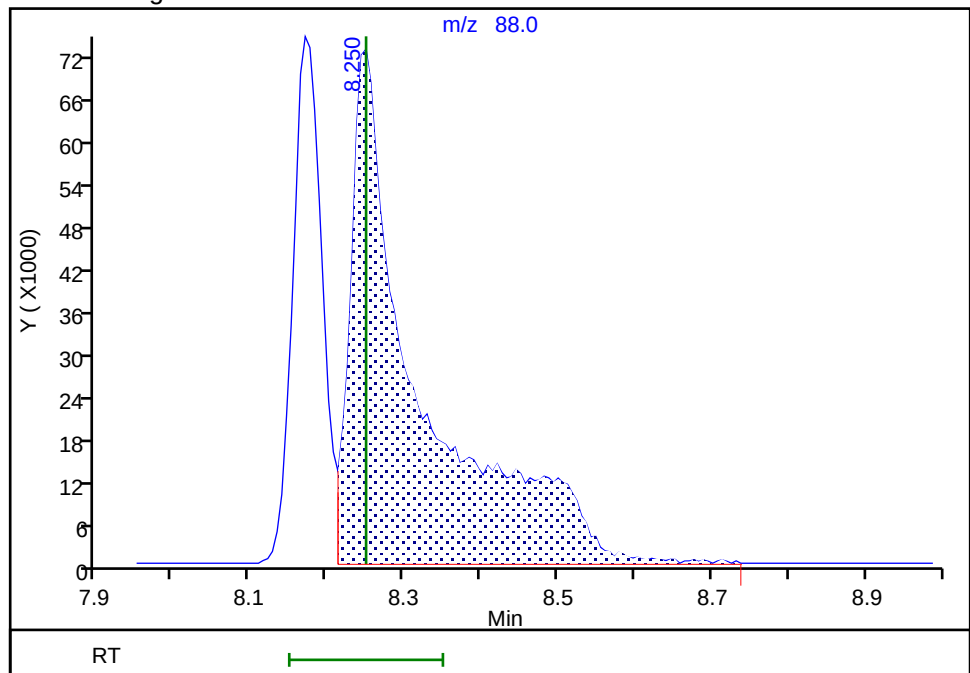
RT: 8.25
Area: 470601
Amount: 1149.1851
Amount Units: ug/l

Processing Integration Results



RT: 8.25
Area: 456429
Amount: 1214.3581
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:26:08 -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

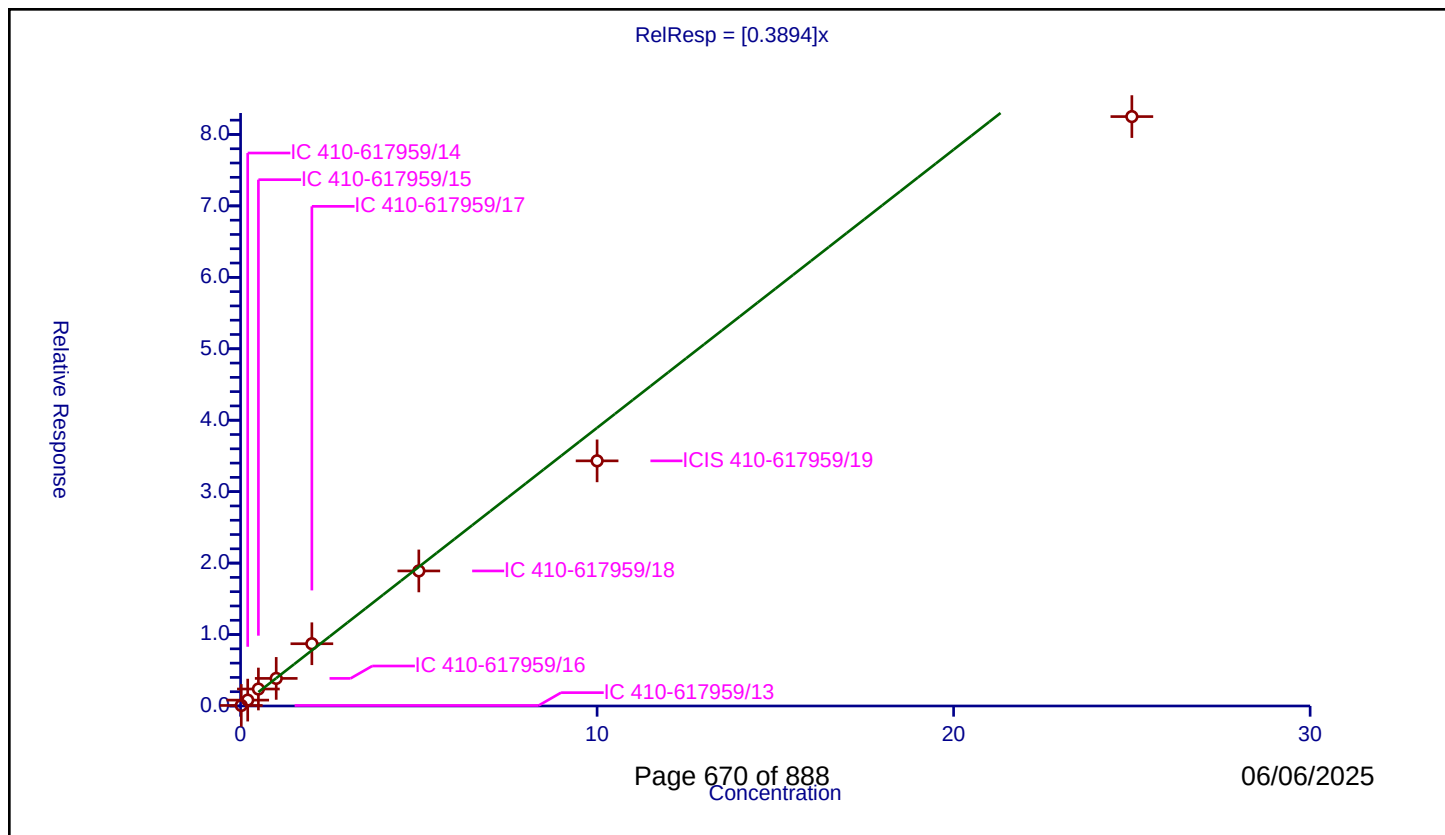
Curve Coefficients

Intercept: 0
Slope: 0.3894

Error Coefficients

Relative Standard Deviation: 12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/13	0.02	0.007095	10.0	1835182.0	0.354733	Y
2	IC 410-617959/14	0.2	0.082399	10.0	2130985.0	0.411993	Y
3	IC 410-617959/15	0.5	0.237542	10.0	1902526.0	0.475084	Y
4	IC 410-617959/16	1.0	0.386212	10.0	2216451.0	0.386212	Y
5	IC 410-617959/17	2.0	0.871288	10.0	1948679.0	0.435644	Y
6	IC 410-617959/18	5.0	1.890194	10.0	2375608.0	0.378039	Y
7	ICIS 410-617959/19	10.0	3.431373	10.0	2528151.0	0.343137	Y
8	IC 410-617959/20	25.0	8.249987	10.0	2691008.0	0.329999	Y



Calibration

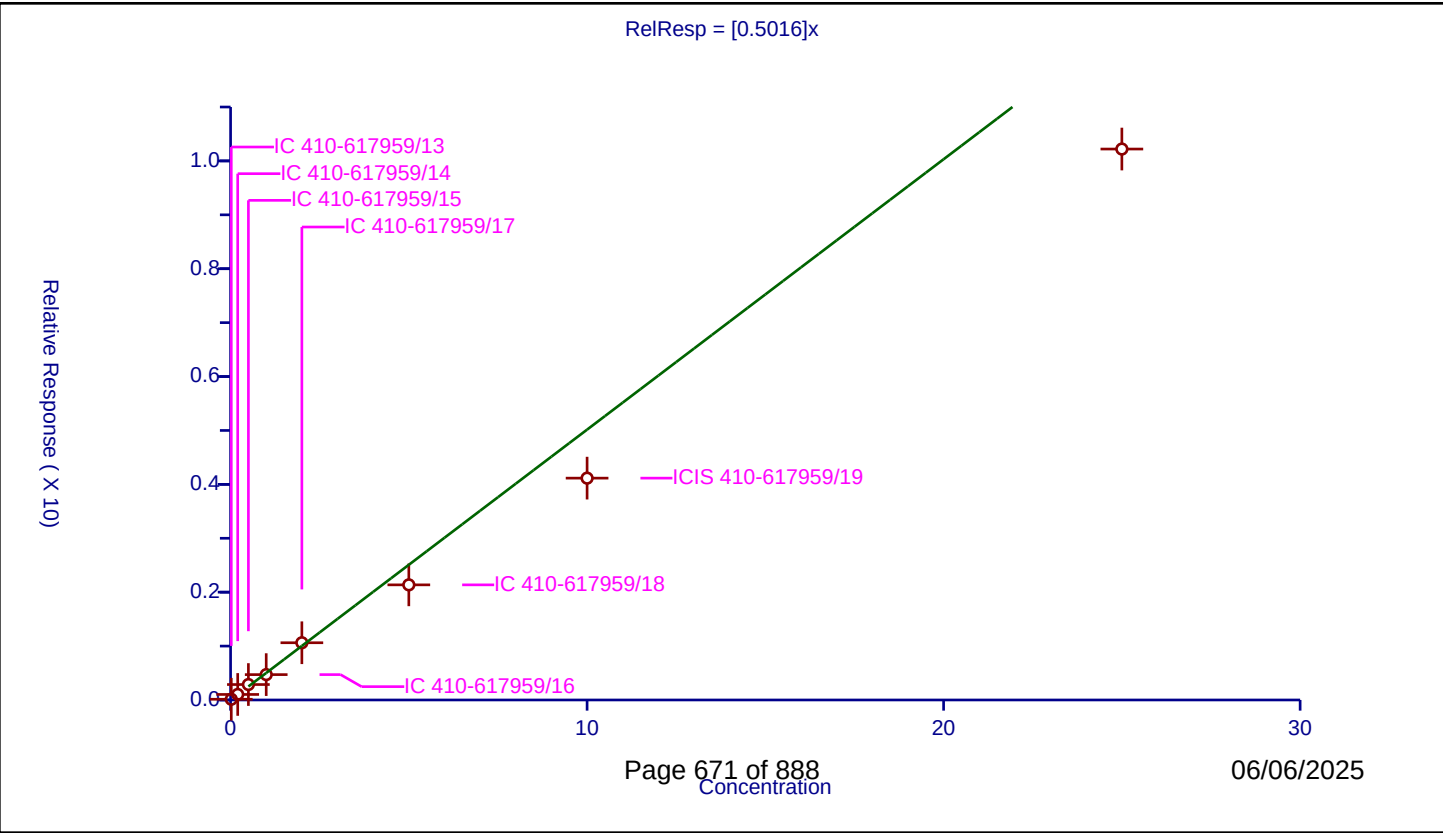
/ Chloromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5016
Error Coefficients	

Relative Standard Deviation: 18.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/13	0.02	0.013508	10.0	1835182.0	0.67541	Y
2	IC 410-617959/14	0.2	0.102863	10.0	2130985.0	0.514316	Y
3	IC 410-617959/15	0.5	0.286745	10.0	1902526.0	0.57349	Y
4	IC 410-617959/16	1.0	0.470856	10.0	2216451.0	0.470856	Y
5	IC 410-617959/17	2.0	1.061653	10.0	1948679.0	0.530826	Y
6	IC 410-617959/18	5.0	2.135971	10.0	2375608.0	0.427194	Y
7	ICIS 410-617959/19	10.0	4.115395	10.0	2528151.0	0.41154	Y
8	IC 410-617959/20	25.0	10.220248	10.0	2691008.0	0.40881	Y



Calibration

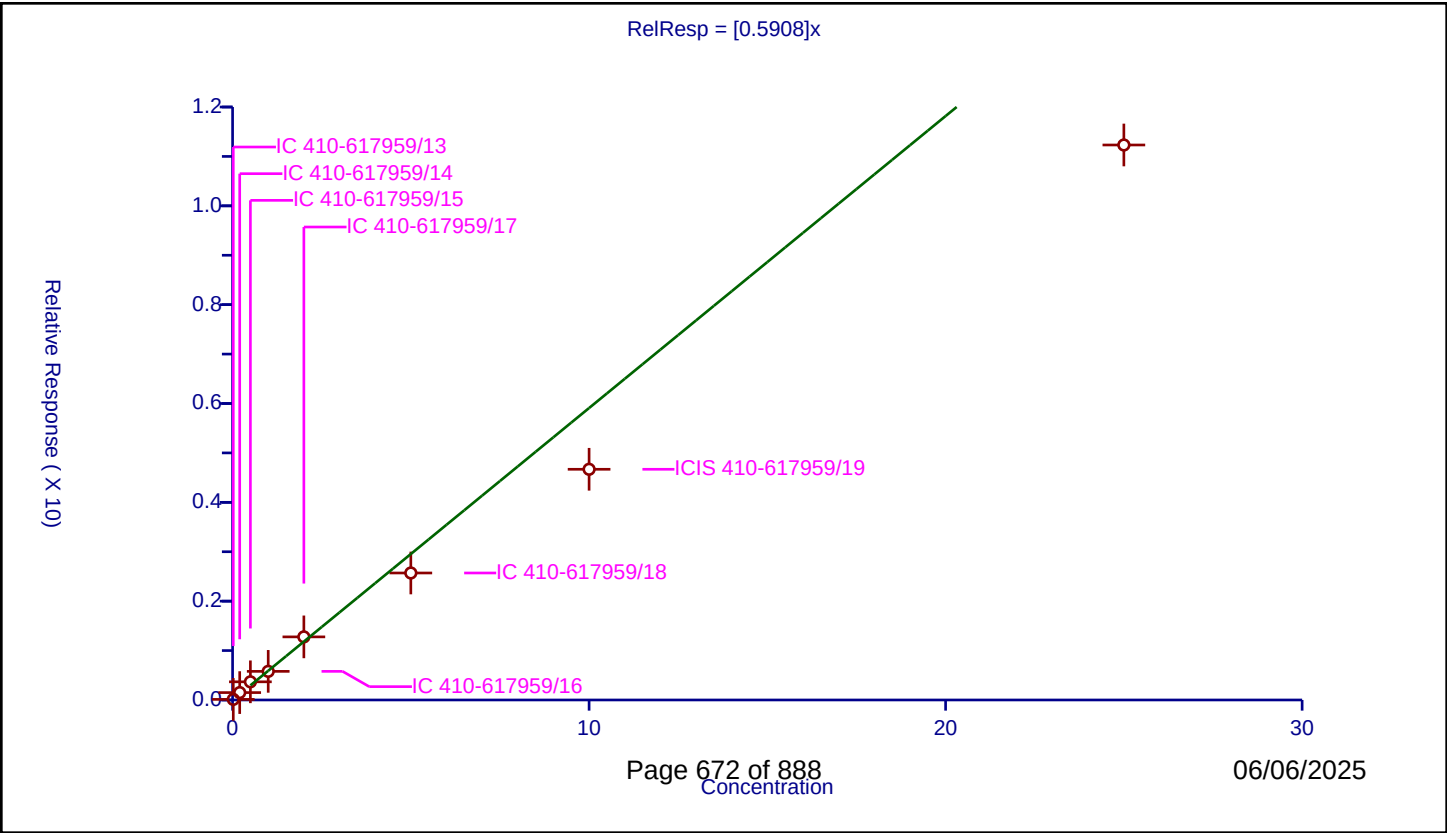
/ Butadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5908
Error Coefficients	

Relative Standard Deviation: 19.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/13	0.02	0.011901	10.0	1835182.0	0.595036	Y
2	IC 410-617959/14	0.2	0.149654	10.0	2130985.0	0.748269	Y
3	IC 410-617959/15	0.5	0.367695	10.0	1902526.0	0.735391	Y
4	IC 410-617959/16	1.0	0.579413	10.0	2216451.0	0.579413	Y
5	IC 410-617959/17	2.0	1.27685	10.0	1948679.0	0.638425	Y
6	IC 410-617959/18	5.0	2.570247	10.0	2375608.0	0.514049	Y
7	ICIS 410-617959/19	10.0	4.66872	10.0	2528151.0	0.466872	Y
8	IC 410-617959/20	25.0	11.231509	10.0	2691008.0	0.44926	Y



Calibration

/ Vinyl chloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

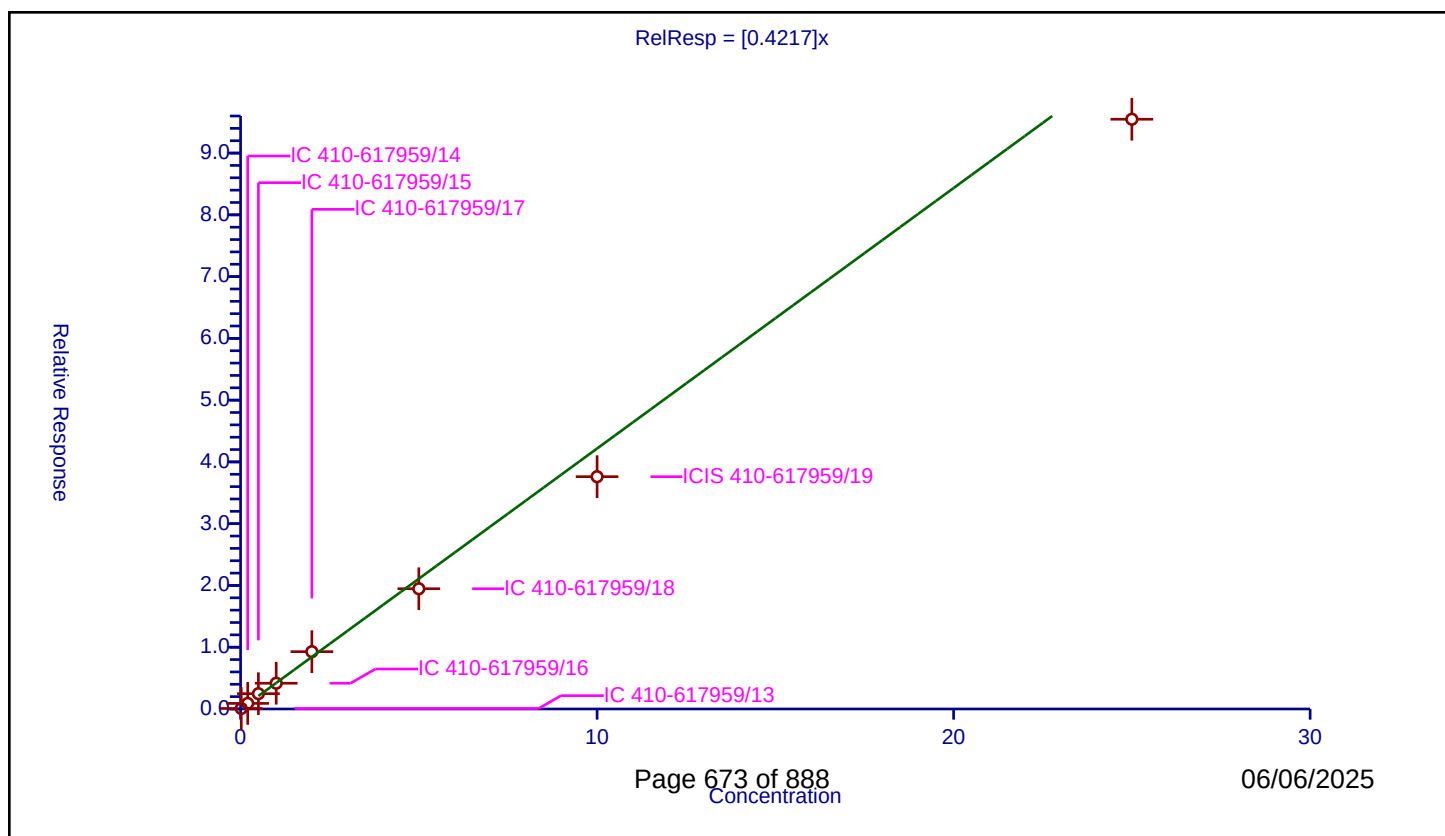
Curve Coefficients

Intercept: 0
Slope: 0.4217

Error Coefficients

Relative Standard Deviation: 10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/13	0.02	0.007923	10.0	1835182.0	0.396146	Y
2	IC 410-617959/14	0.2	0.090545	10.0	2130985.0	0.452725	Y
3	IC 410-617959/15	0.5	0.248049	10.0	1902526.0	0.496098	Y
4	IC 410-617959/16	1.0	0.417004	10.0	2216451.0	0.417004	Y
5	IC 410-617959/17	2.0	0.928157	10.0	1948679.0	0.464078	Y
6	IC 410-617959/18	5.0	1.946942	10.0	2375608.0	0.389388	Y
7	ICIS 410-617959/19	10.0	3.761021	10.0	2528151.0	0.376102	Y
8	IC 410-617959/20	25.0	9.547965	10.0	2691008.0	0.381919	Y



Calibration

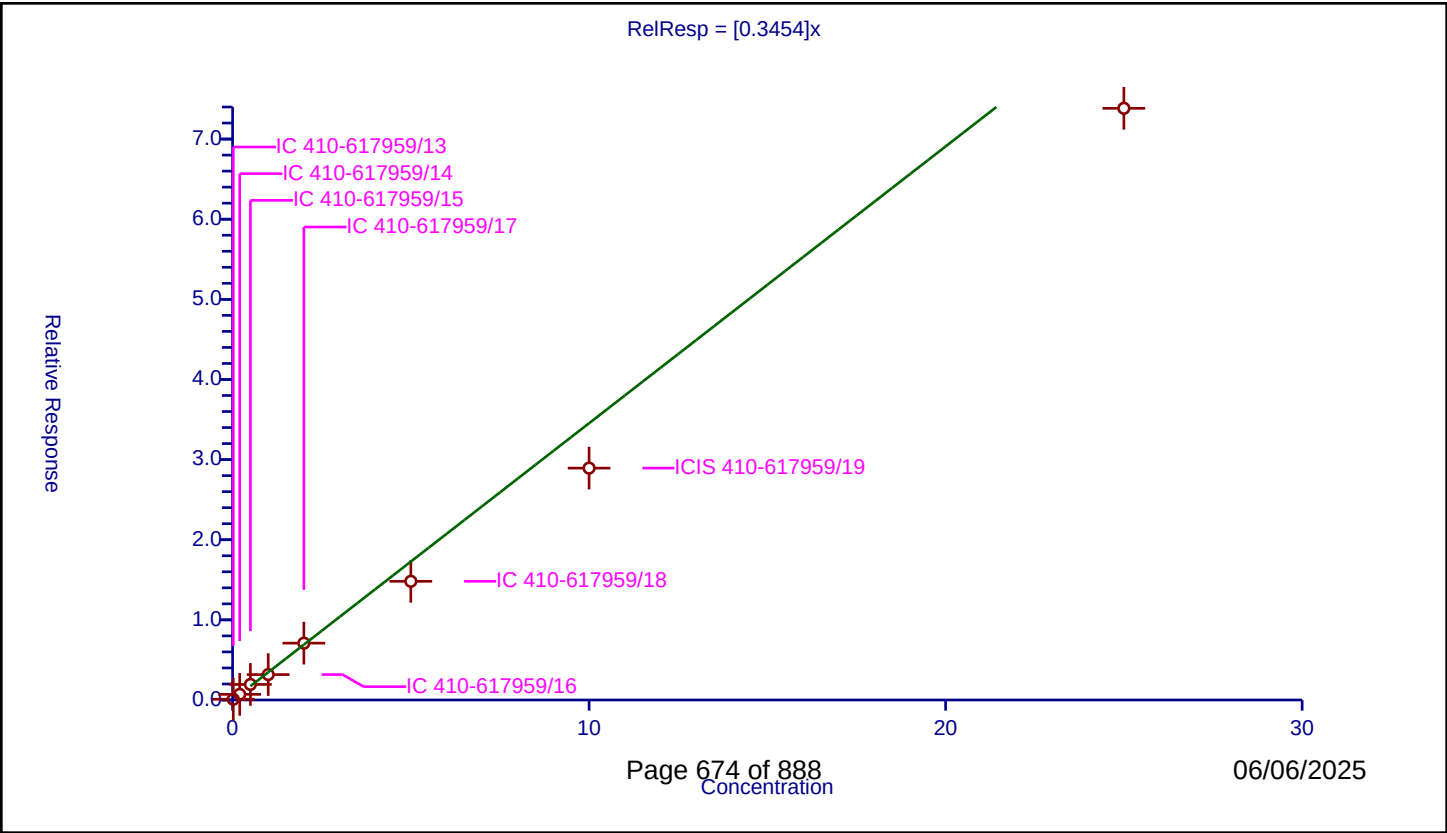
/ Bromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3454
Error Coefficients	

Relative Standard Deviation: 17.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/13	0.02	0.009394	10.0	1835182.0	0.469708	Y
2	IC 410-617959/14	0.2	0.070479	10.0	2130985.0	0.352396	Y
3	IC 410-617959/15	0.5	0.194268	10.0	1902526.0	0.388536	Y
4	IC 410-617959/16	1.0	0.316984	10.0	2216451.0	0.316984	Y
5	IC 410-617959/17	2.0	0.70928	10.0	1948679.0	0.35464	Y
6	IC 410-617959/18	5.0	1.480935	10.0	2375608.0	0.296187	Y
7	ICIS 410-617959/19	10.0	2.893771	10.0	2528151.0	0.289377	Y
8	IC 410-617959/20	25.0	7.383742	10.0	2691008.0	0.29535	Y



Calibration

/ Chloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

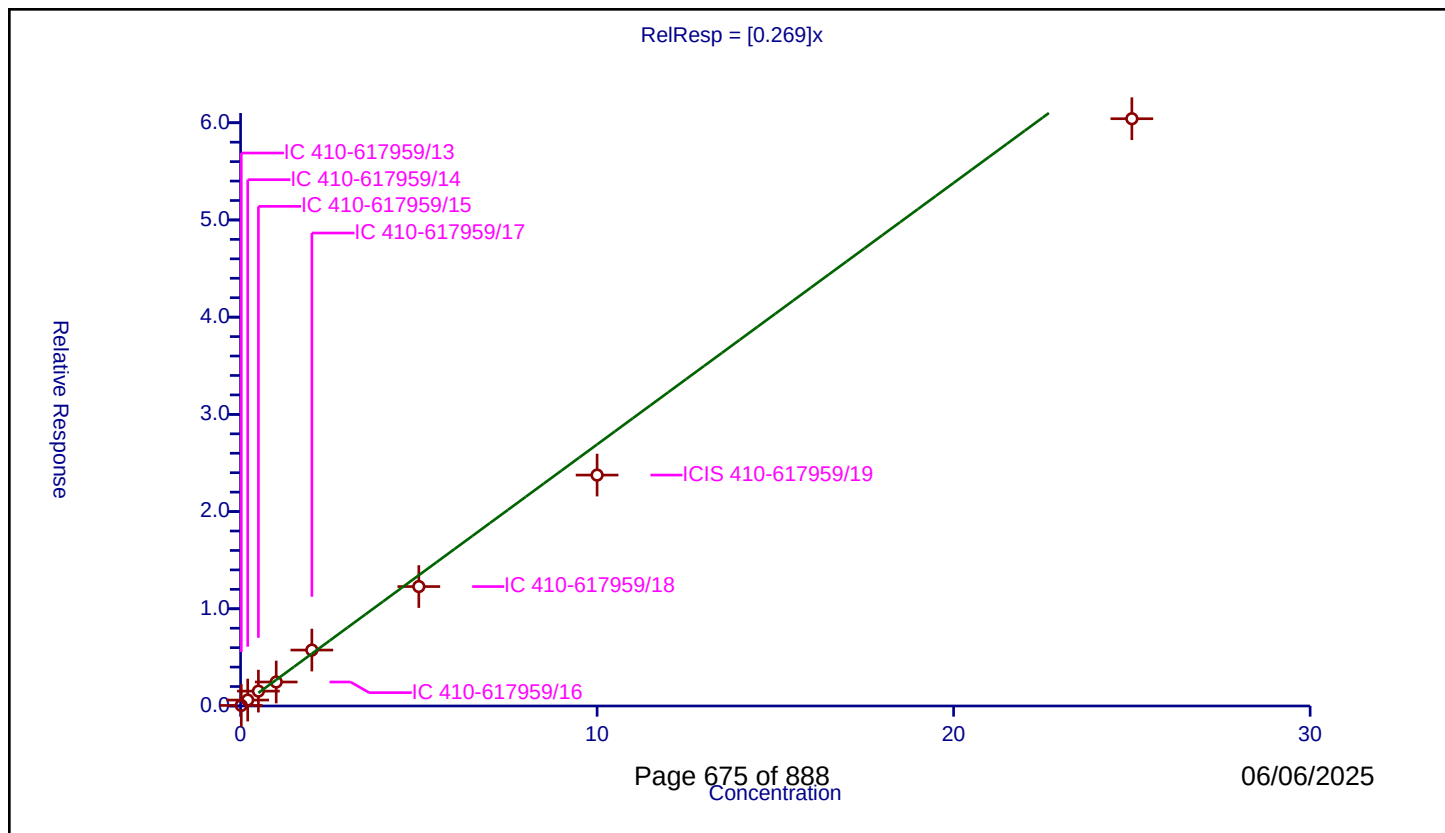
Curve Coefficients

Intercept: 0
Slope: 0.269

Error Coefficients

Relative Standard Deviation: 10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/13	0.02	0.005634	10.0	1835182.0	0.281716	Y
2	IC 410-617959/14	0.2	0.061066	10.0	2130985.0	0.305328	Y
3	IC 410-617959/15	0.5	0.152928	10.0	1902526.0	0.305857	Y
4	IC 410-617959/16	1.0	0.246737	10.0	2216451.0	0.246737	Y
5	IC 410-617959/17	2.0	0.575503	10.0	1948679.0	0.287751	Y
6	IC 410-617959/18	5.0	1.228667	10.0	2375608.0	0.245733	Y
7	ICIS 410-617959/19	10.0	2.375372	10.0	2528151.0	0.237537	Y
8	IC 410-617959/20	25.0	6.041272	10.0	2691008.0	0.241651	Y



Calibration

/ Dichlorofluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

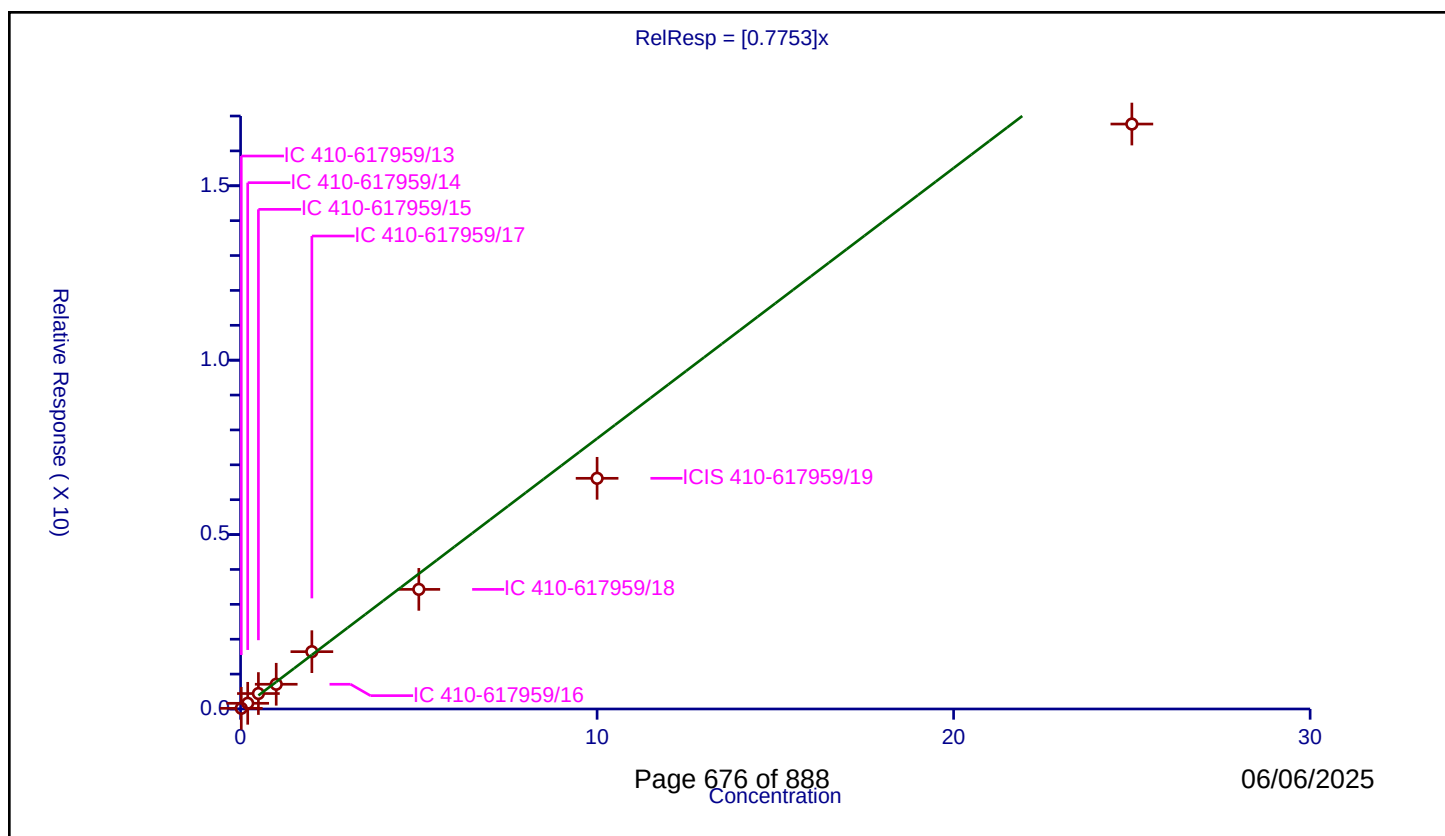
Curve Coefficients

Intercept: 0
Slope: 0.7753

Error Coefficients

Relative Standard Deviation: 14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/13	0.02	0.019023	10.0	1835182.0	0.951132	Y
2	IC 410-617959/14	0.2	0.163511	10.0	2130985.0	0.817556	Y
3	IC 410-617959/15	0.5	0.44279	10.0	1902526.0	0.885581	Y
4	IC 410-617959/16	1.0	0.708755	10.0	2216451.0	0.708755	Y
5	IC 410-617959/17	2.0	1.643303	10.0	1948679.0	0.821651	Y
6	IC 410-617959/18	5.0	3.429543	10.0	2375608.0	0.685909	Y
7	ICIS 410-617959/19	10.0	6.613608	10.0	2528151.0	0.661361	Y
8	IC 410-617959/20	25.0	16.769828	10.0	2691008.0	0.670793	Y



Calibration

/ Trichlorofluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

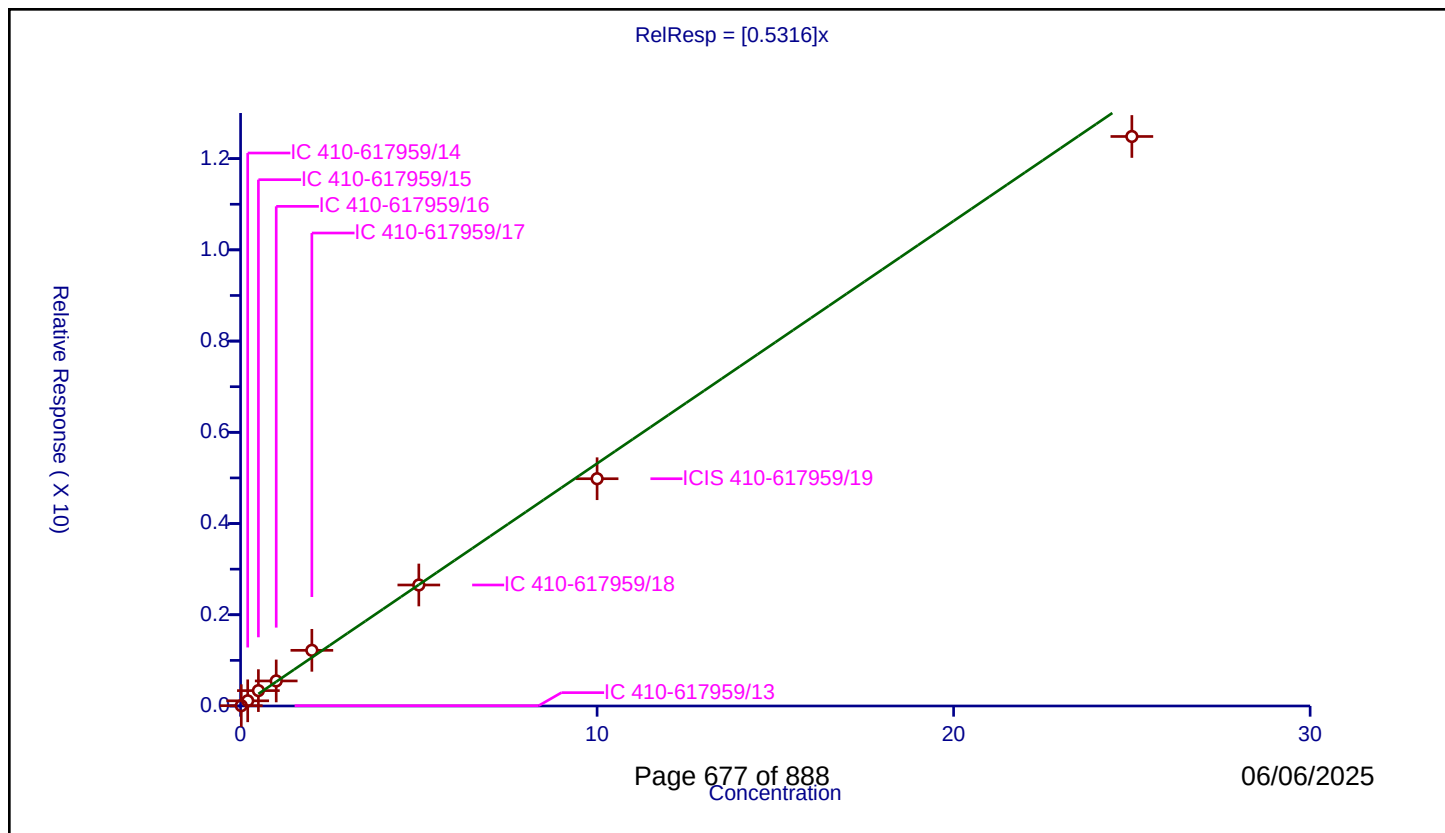
Curve Coefficients

Intercept: 0
Slope: 0.5316

Error Coefficients

Relative Standard Deviation: 19.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/13	0.02	0.006446	10.0	1835182.0	0.322311	Y
2	IC 410-617959/14	0.2	0.113778	10.0	2130985.0	0.568892	Y
3	IC 410-617959/15	0.5	0.337057	10.0	1902526.0	0.674114	Y
4	IC 410-617959/16	1.0	0.549419	10.0	2216451.0	0.549419	Y
5	IC 410-617959/17	2.0	1.220345	10.0	1948679.0	0.610172	Y
6	IC 410-617959/18	5.0	2.652765	10.0	2375608.0	0.530553	Y
7	ICIS 410-617959/19	10.0	4.982491	10.0	2528151.0	0.498249	Y
8	IC 410-617959/20	25.0	12.485455	10.0	2691008.0	0.499418	Y



Calibration

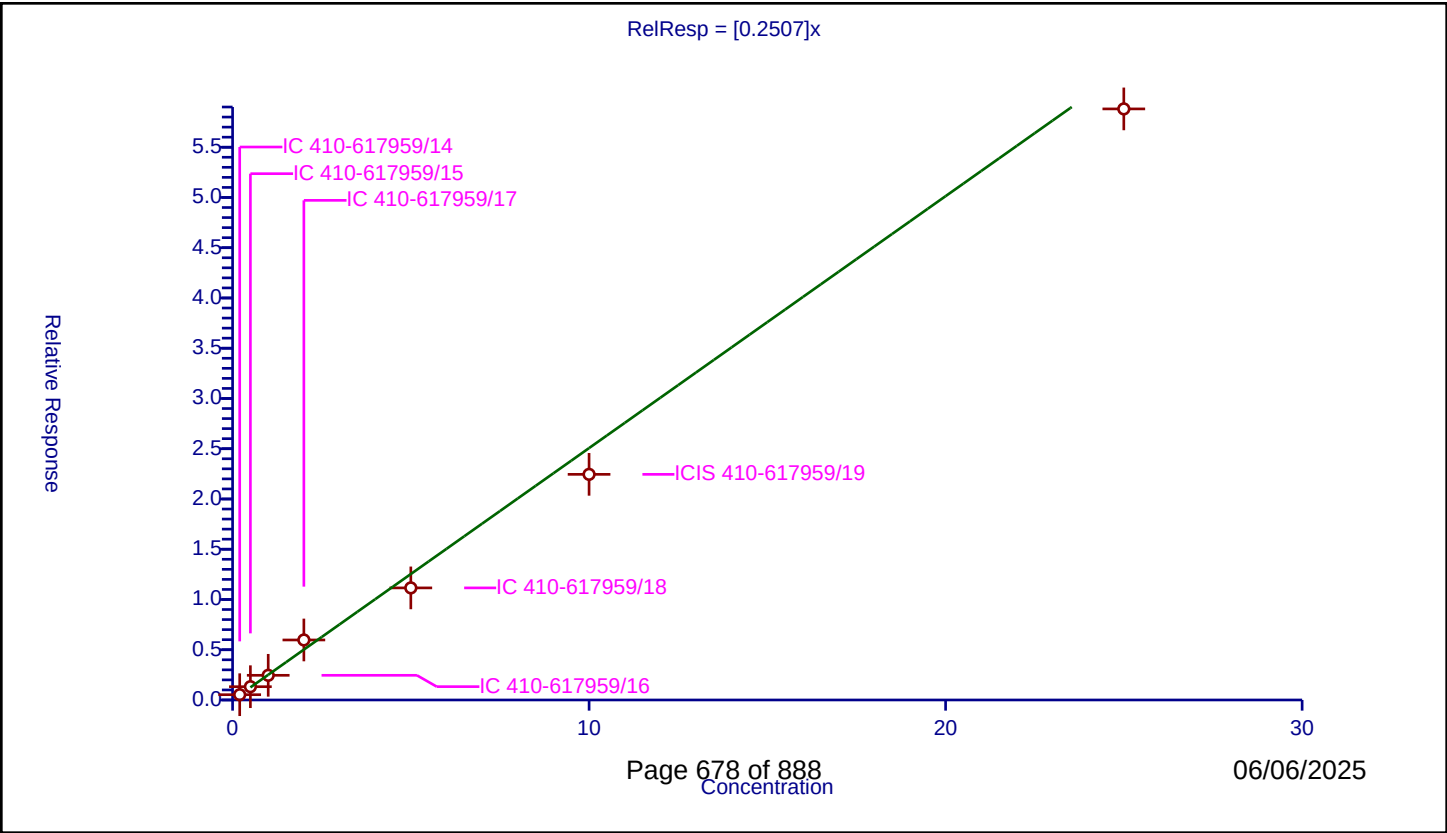
/ Ethyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2507
Error Coefficients	

Relative Standard Deviation: 10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.199986	0.052567	10.0	2130985.0	0.262854	Y
2	IC 410-617959/15	0.499966	0.132335	10.0	1902526.0	0.264687	Y
3	IC 410-617959/16	0.999932	0.245546	10.0	2216451.0	0.245562	Y
4	IC 410-617959/17	1.999864	0.59723	10.0	1948679.0	0.298635	Y
5	IC 410-617959/18	4.99966	1.115243	10.0	2375608.0	0.223064	Y
6	ICIS 410-617959/19	9.99932	2.245099	10.0	2528151.0	0.224525	Y
7	IC 410-617959/20	24.9983	5.881075	10.0	2691008.0	0.235259	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

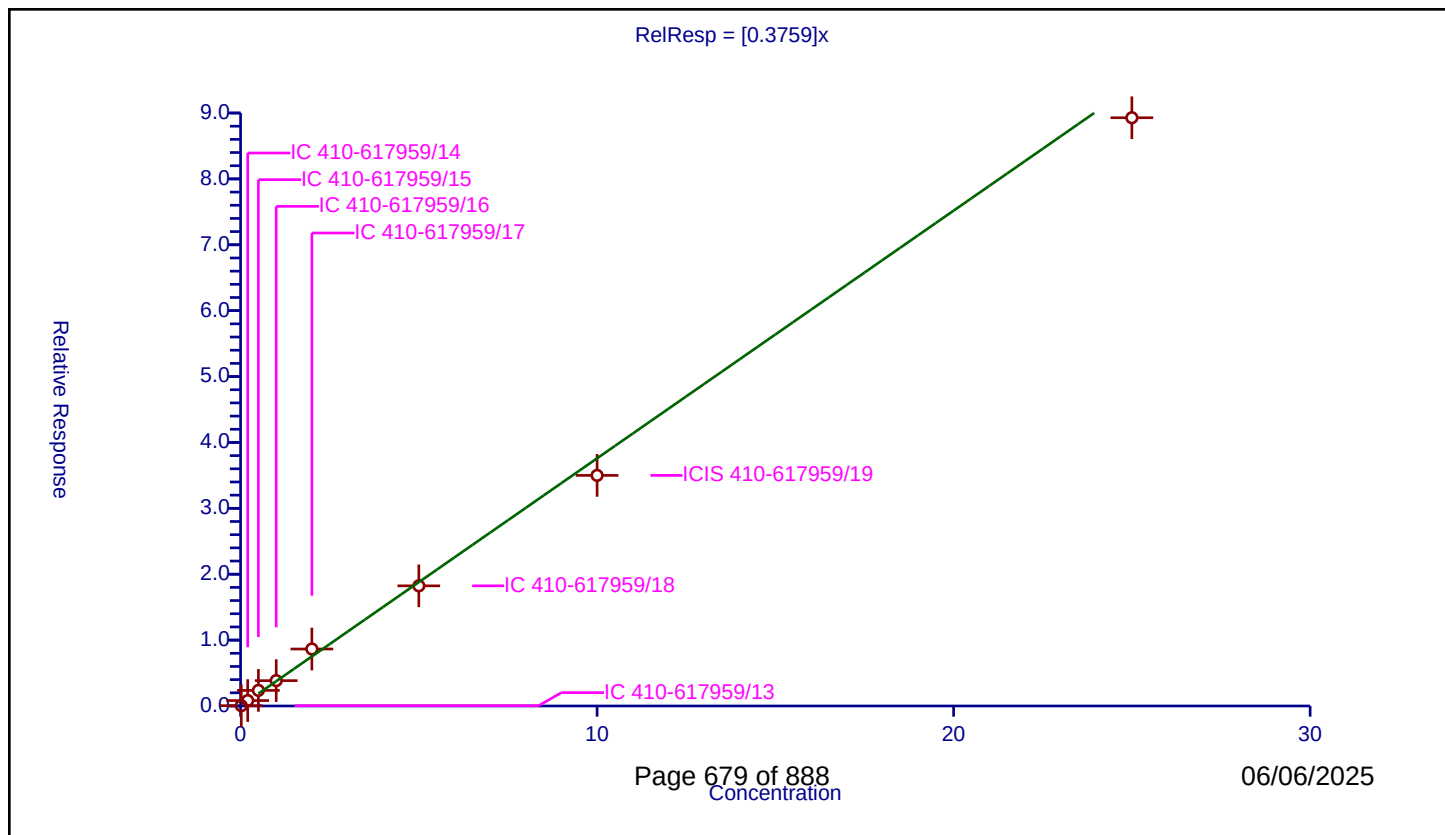
Curve Coefficients

Intercept: 0
Slope: 0.3759

Error Coefficients

Relative Standard Deviation: 19.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/13	0.02	0.004637	10.0	1835182.0	0.231857	Y
2	IC 410-617959/14	0.2	0.082544	10.0	2130985.0	0.41272	Y
3	IC 410-617959/15	0.5	0.236738	10.0	1902526.0	0.473476	Y
4	IC 410-617959/16	1.0	0.384831	10.0	2216451.0	0.384831	Y
5	IC 410-617959/17	2.0	0.864832	10.0	1948679.0	0.432416	Y
6	IC 410-617959/18	5.0	1.823382	10.0	2375608.0	0.364676	Y
7	ICIS 410-617959/19	10.0	3.500171	10.0	2528151.0	0.350017	Y
8	IC 410-617959/20	25.0	8.928461	10.0	2691008.0	0.357138	Y



Calibration

/ Acrolein

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

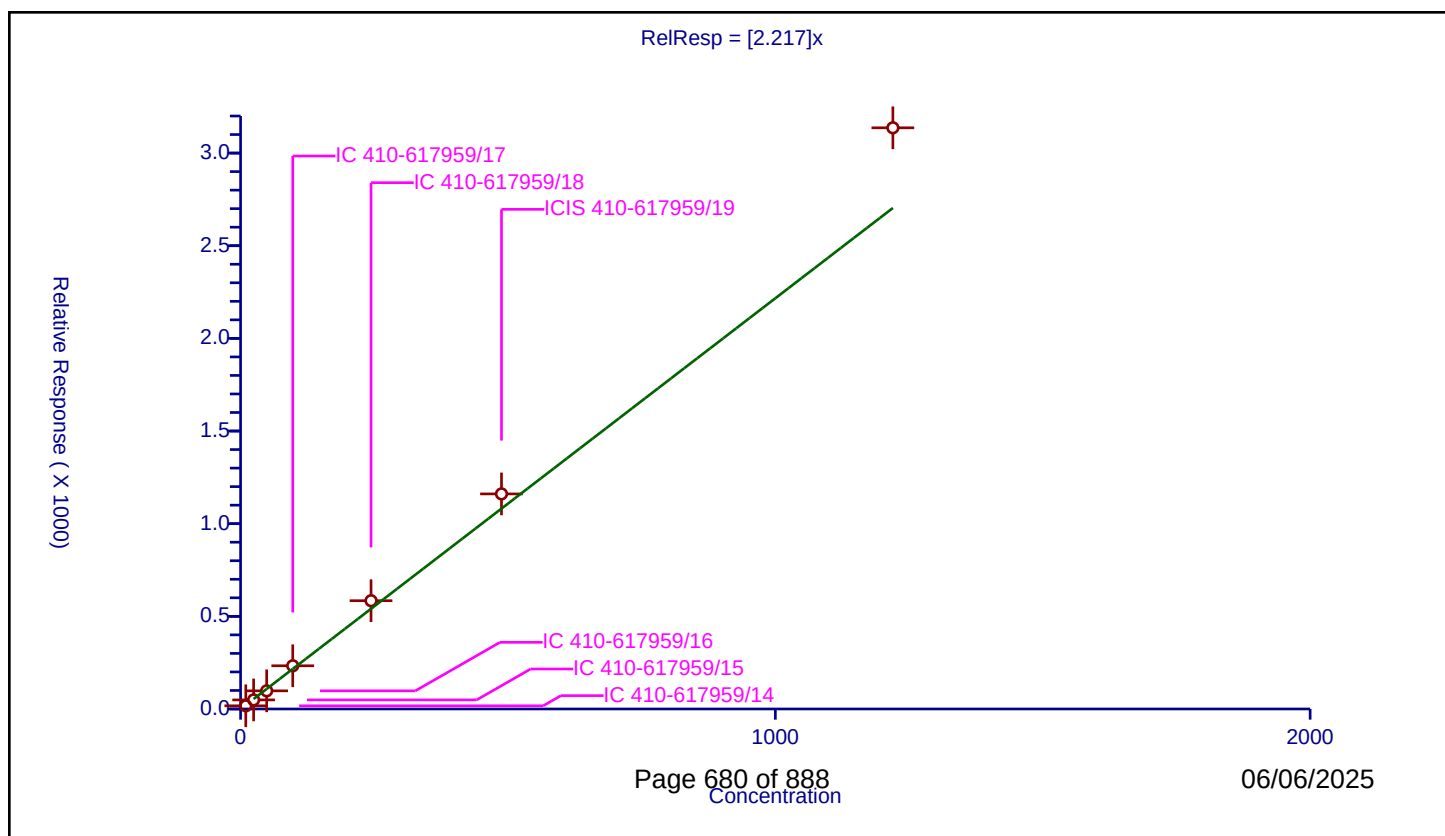
Curve Coefficients

Intercept: 0
Slope: 2.217

Error Coefficients

Relative Standard Deviation: 13.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	9.758146	17.238691	50.0	173186.0	1.766595	Y
2	IC 410-617959/15	24.395365	48.967943	50.0	150234.0	2.007264	Y
3	IC 410-617959/16	48.790731	97.878687	50.0	176683.0	2.006092	Y
4	IC 410-617959/17	97.581461	233.232465	50.0	155813.0	2.390131	Y
5	IC 410-617959/18	243.953653	584.358299	50.0	177762.0	2.395366	Y
6	ICIS 410-617959/19	487.907307	1160.647305	50.0	197604.0	2.378827	Y
7	IC 410-617959/20	1219.768267	3136.420116	50.0	216169.0	2.571325	Y



Calibration

/ 1,1-Dichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

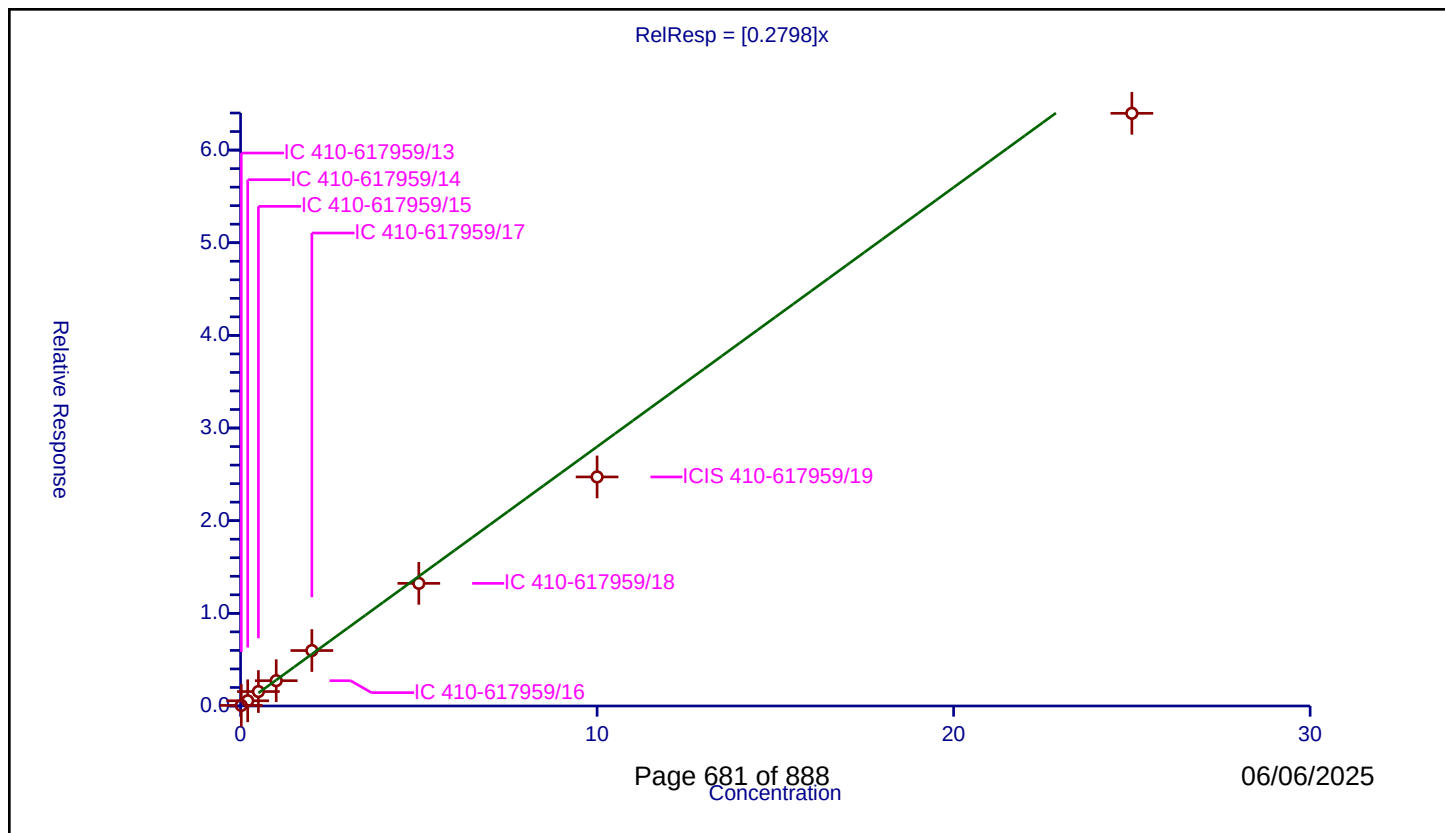
Curve Coefficients

Intercept: 0
Slope: 0.2798

Error Coefficients

Relative Standard Deviation: 8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/13	0.02	0.006119	10.0	1835182.0	0.305964	Y
2	IC 410-617959/14	0.2	0.056162	10.0	2130985.0	0.280809	Y
3	IC 410-617959/15	0.5	0.155872	10.0	1902526.0	0.311743	Y
4	IC 410-617959/16	1.0	0.273063	10.0	2216451.0	0.273063	Y
5	IC 410-617959/17	2.0	0.598647	10.0	1948679.0	0.299323	Y
6	IC 410-617959/18	5.0	1.323606	10.0	2375608.0	0.264721	Y
7	ICIS 410-617959/19	10.0	2.472305	10.0	2528151.0	0.24723	Y
8	IC 410-617959/20	25.0	6.3967	10.0	2691008.0	0.255868	Y



Calibration

/ Acetone

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

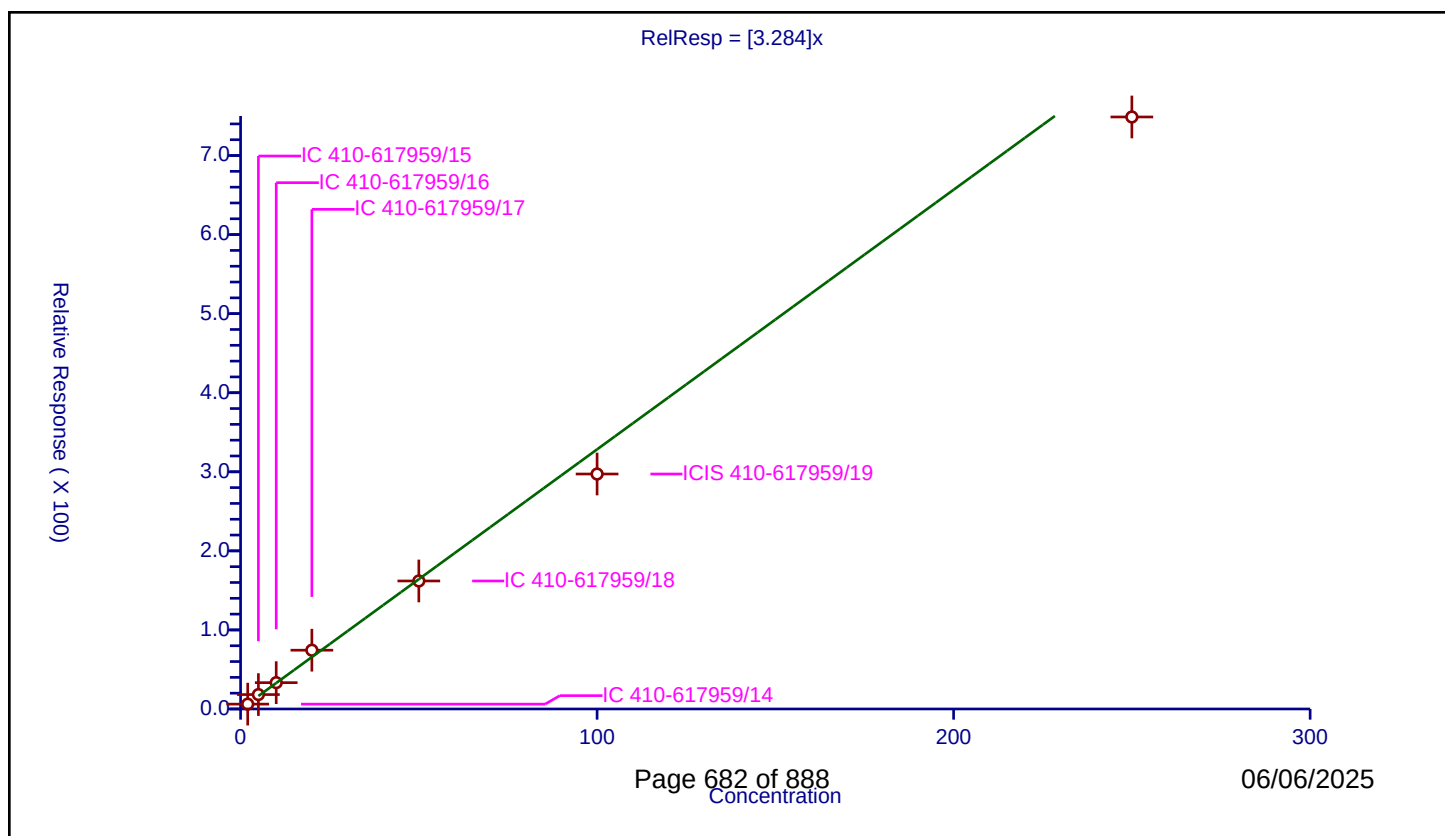
Curve Coefficients

Intercept: 0
Slope: 3.284

Error Coefficients

Relative Standard Deviation: 9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	2.0	6.170822	50.0	173186.0	3.085411	Y
2	IC 410-617959/15	5.0	18.225901	50.0	150234.0	3.64518	Y
3	IC 410-617959/16	10.0	33.315316	50.0	176683.0	3.331532	Y
4	IC 410-617959/17	20.0	74.360933	50.0	155813.0	3.718047	Y
5	IC 410-617959/18	50.0	161.912276	50.0	177762.0	3.238246	Y
6	ICIS 410-617959/19	100.0	297.199449	50.0	197604.0	2.971994	Y
7	IC 410-617959/20	250.0	748.771794	50.0	216169.0	2.995087	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

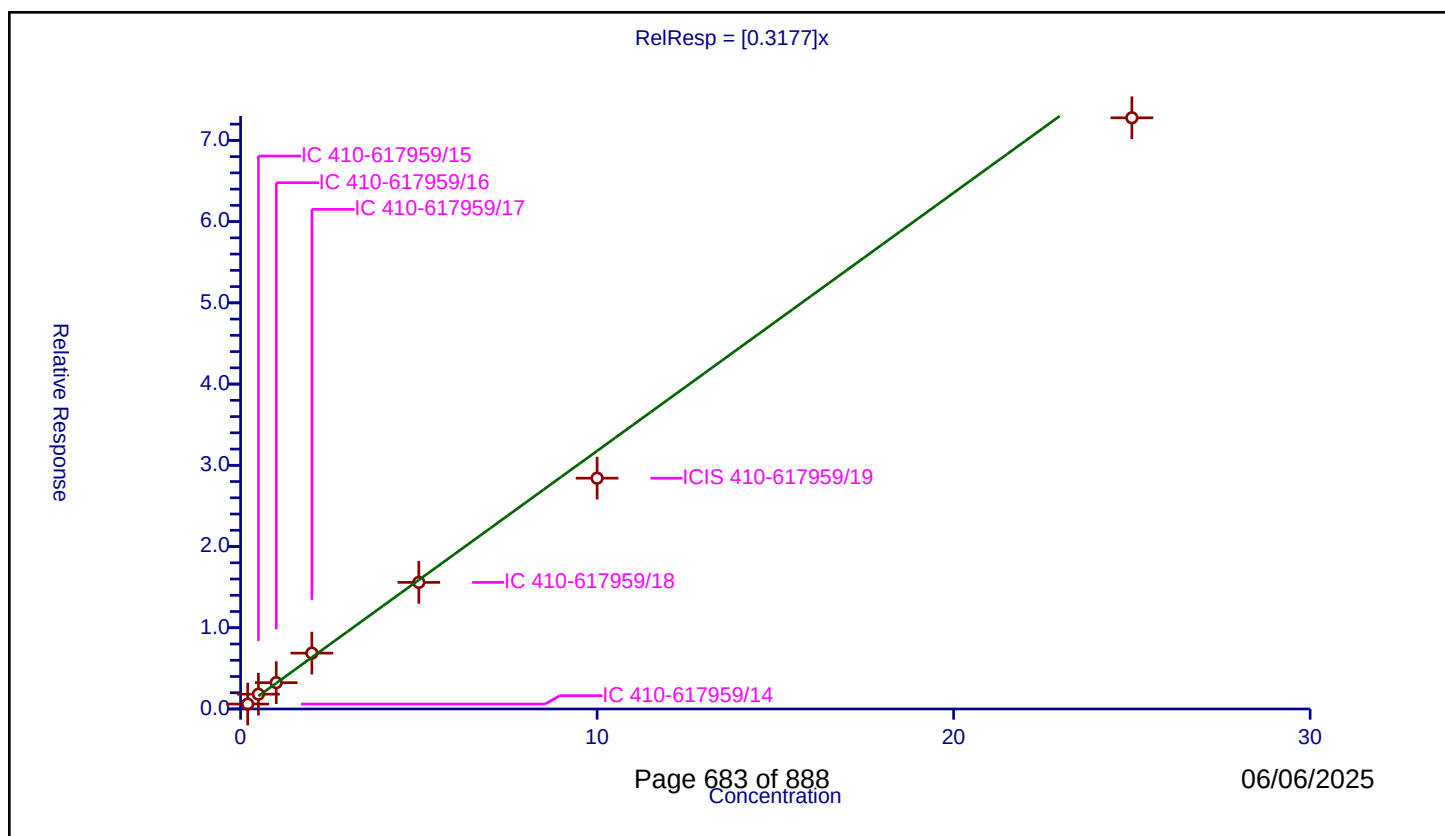
Curve Coefficients

Intercept: 0
Slope: 0.3177

Error Coefficients

Relative Standard Deviation: 9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.06092	10.0	2130985.0	0.304601	Y
2	IC 410-617959/15	0.5	0.182205	10.0	1902526.0	0.36441	Y
3	IC 410-617959/16	1.0	0.32428	10.0	2216451.0	0.32428	Y
4	IC 410-617959/17	2.0	0.687522	10.0	1948679.0	0.343761	Y
5	IC 410-617959/18	5.0	1.558414	10.0	2375608.0	0.311683	Y
6	ICIS 410-617959/19	10.0	2.841417	10.0	2528151.0	0.284142	Y
7	IC 410-617959/20	25.0	7.278124	10.0	2691008.0	0.291125	Y



Calibration

/ Iodomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

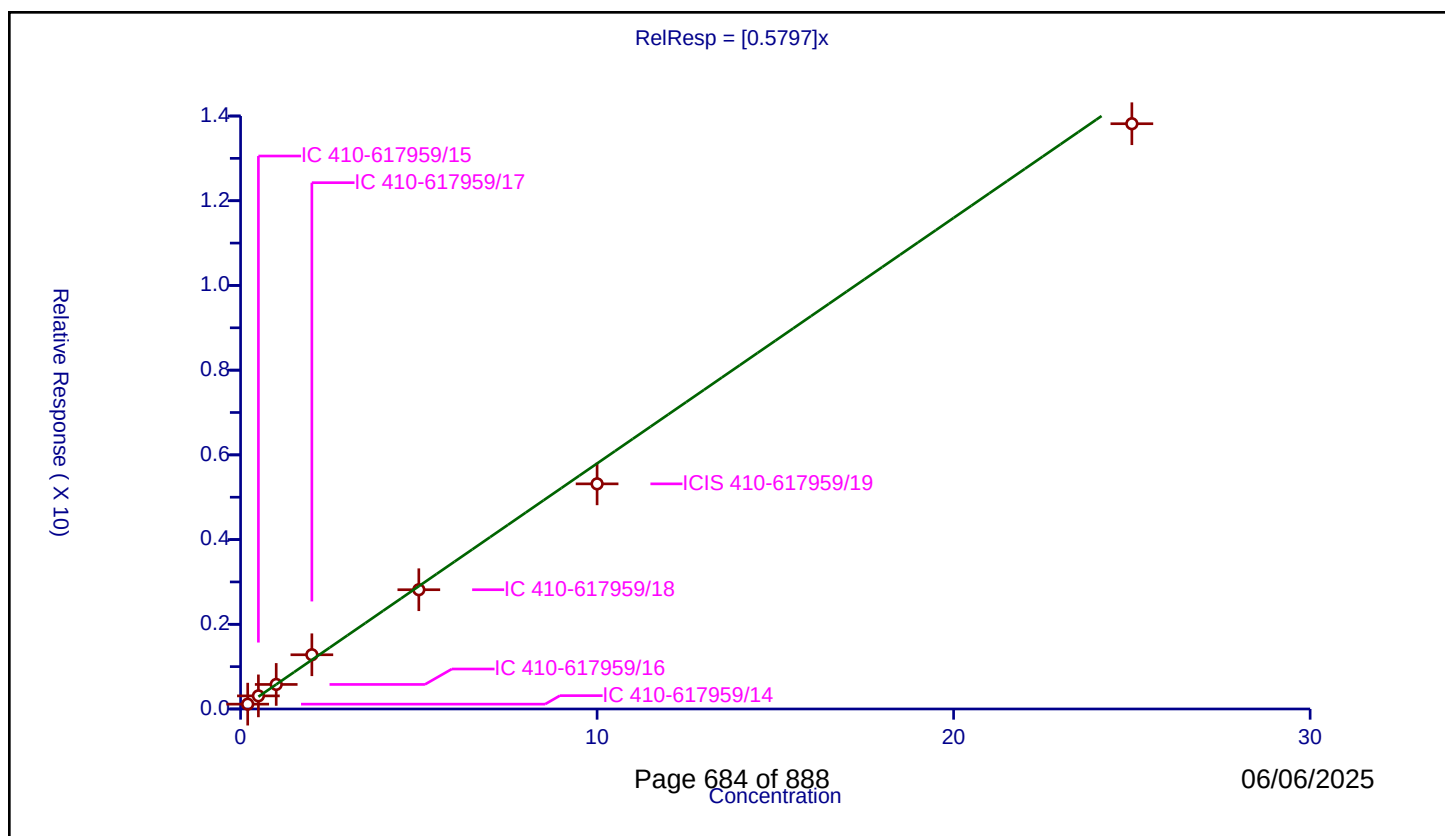
Curve Coefficients

Intercept: 0
Slope: 0.5797

Error Coefficients

Relative Standard Deviation: 6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.114341	10.0	2130985.0	0.571707	Y
2	IC 410-617959/15	0.5	0.309425	10.0	1902526.0	0.618851	Y
3	IC 410-617959/16	1.0	0.579679	10.0	2216451.0	0.579679	Y
4	IC 410-617959/17	2.0	1.280524	10.0	1948679.0	0.640262	Y
5	IC 410-617959/18	5.0	2.816058	10.0	2375608.0	0.563212	Y
6	ICIS 410-617959/19	10.0	5.315406	10.0	2528151.0	0.531541	Y
7	IC 410-617959/20	25.0	13.8178	10.0	2691008.0	0.552712	Y



Calibration

/ Ethyl bromide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

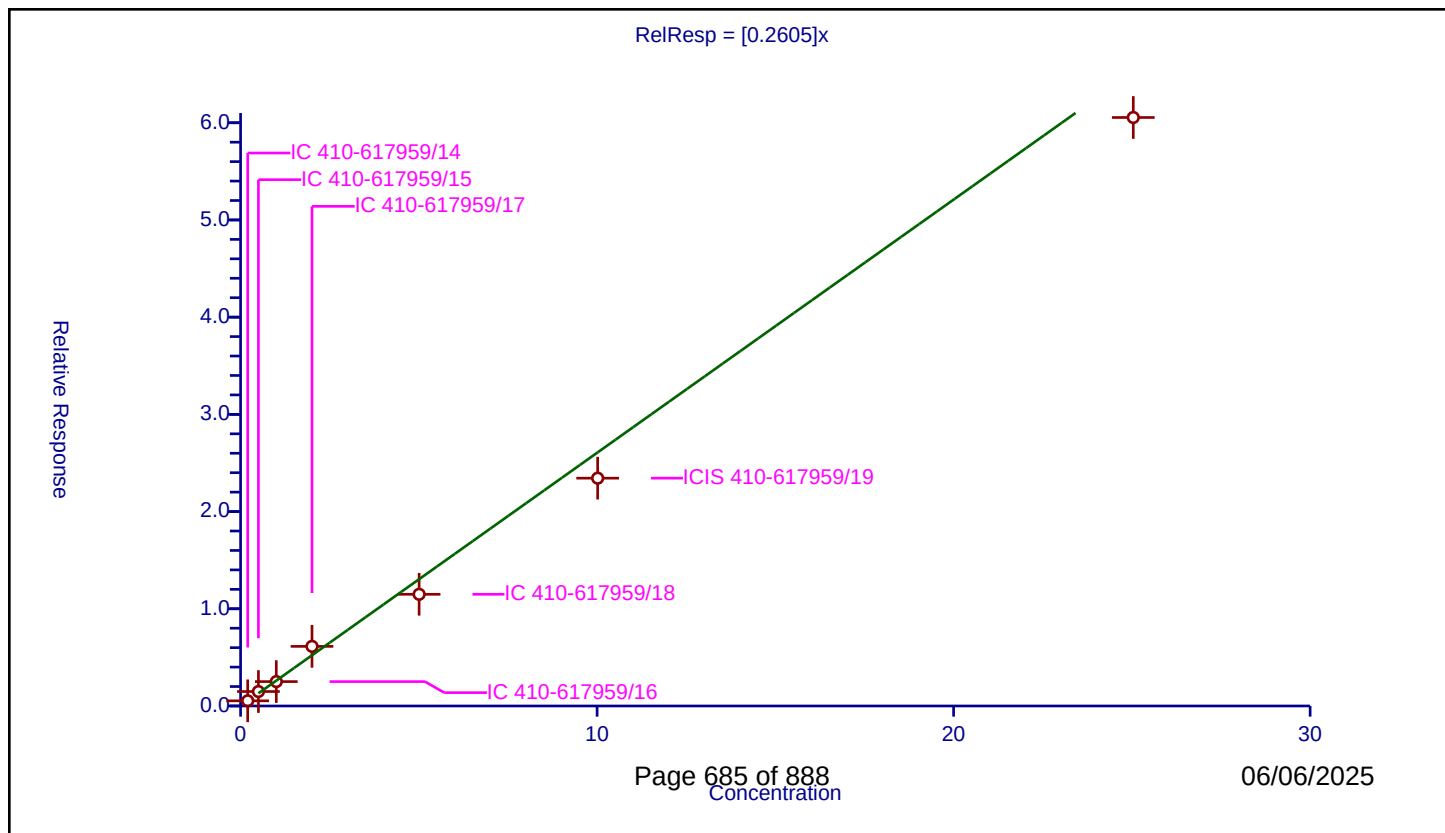
Curve Coefficients

Intercept: 0
Slope: 0.2605

Error Coefficients

Relative Standard Deviation: 11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.200321	0.05298	10.0	2130985.0	0.264477	Y
2	IC 410-617959/15	0.500802	0.148723	10.0	1902526.0	0.29697	Y
3	IC 410-617959/16	1.001604	0.250752	10.0	2216451.0	0.250351	Y
4	IC 410-617959/17	2.003208	0.613374	10.0	1948679.0	0.306196	Y
5	IC 410-617959/18	5.00802	1.149074	10.0	2375608.0	0.229447	Y
6	ICIS 410-617959/19	10.01604	2.343555	10.0	2528151.0	0.23398	Y
7	IC 410-617959/20	25.0401	6.053988	10.0	2691008.0	0.241772	Y



Calibration

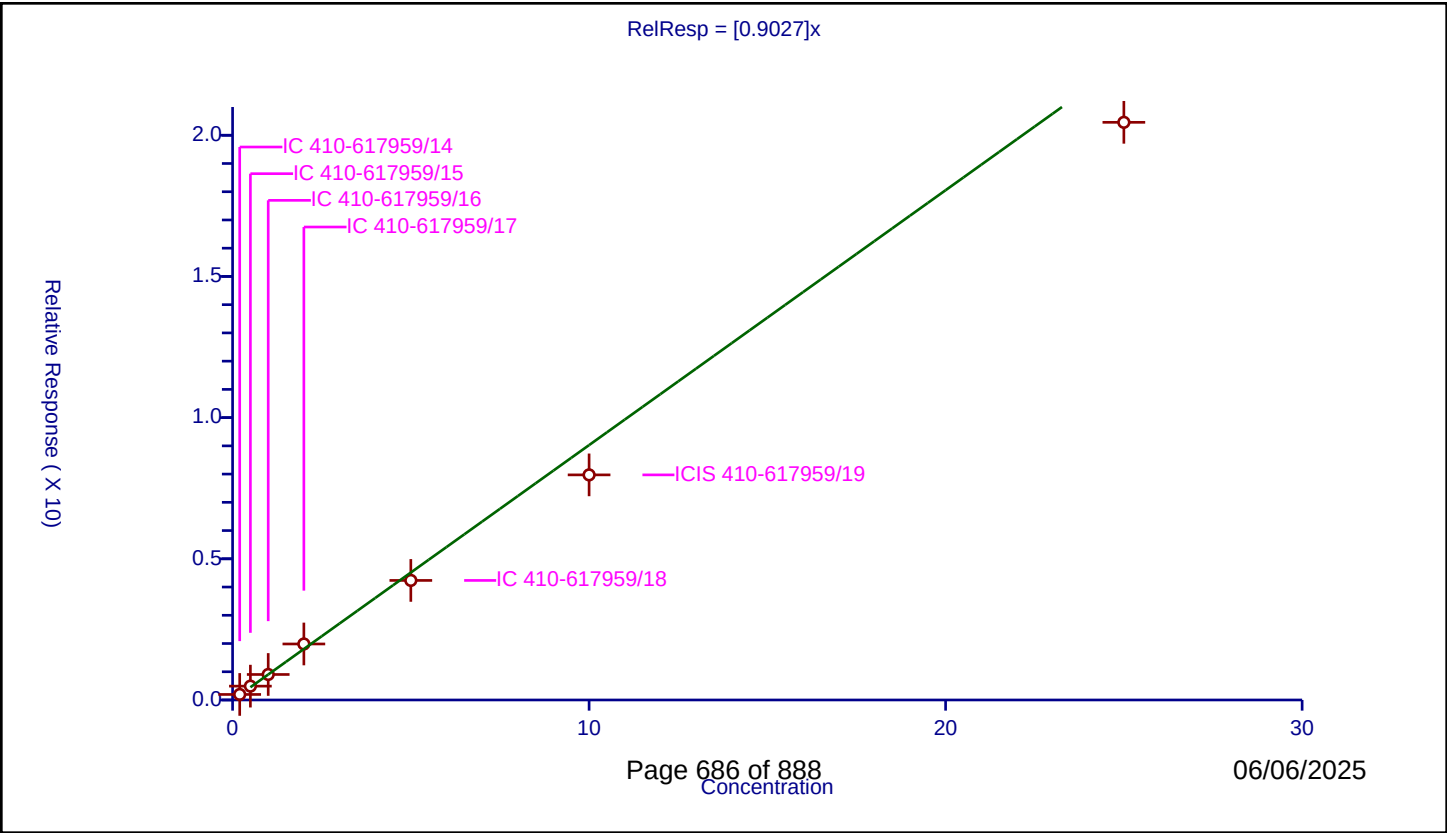
/ Carbon disulfide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9027
Error Coefficients	

Relative Standard Deviation: 9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.195806	10.0	2130985.0	0.979031	Y
2	IC 410-617959/15	0.5	0.490821	10.0	1902526.0	0.981642	Y
3	IC 410-617959/16	1.0	0.903611	10.0	2216451.0	0.903611	Y
4	IC 410-617959/17	2.0	1.984108	10.0	1948679.0	0.992054	Y
5	IC 410-617959/18	5.0	4.23428	10.0	2375608.0	0.846856	Y
6	ICIS 410-617959/19	10.0	7.972107	10.0	2528151.0	0.797211	Y
7	IC 410-617959/20	25.0	20.457546	10.0	2691008.0	0.818302	Y



Calibration

/ Methyl acetate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

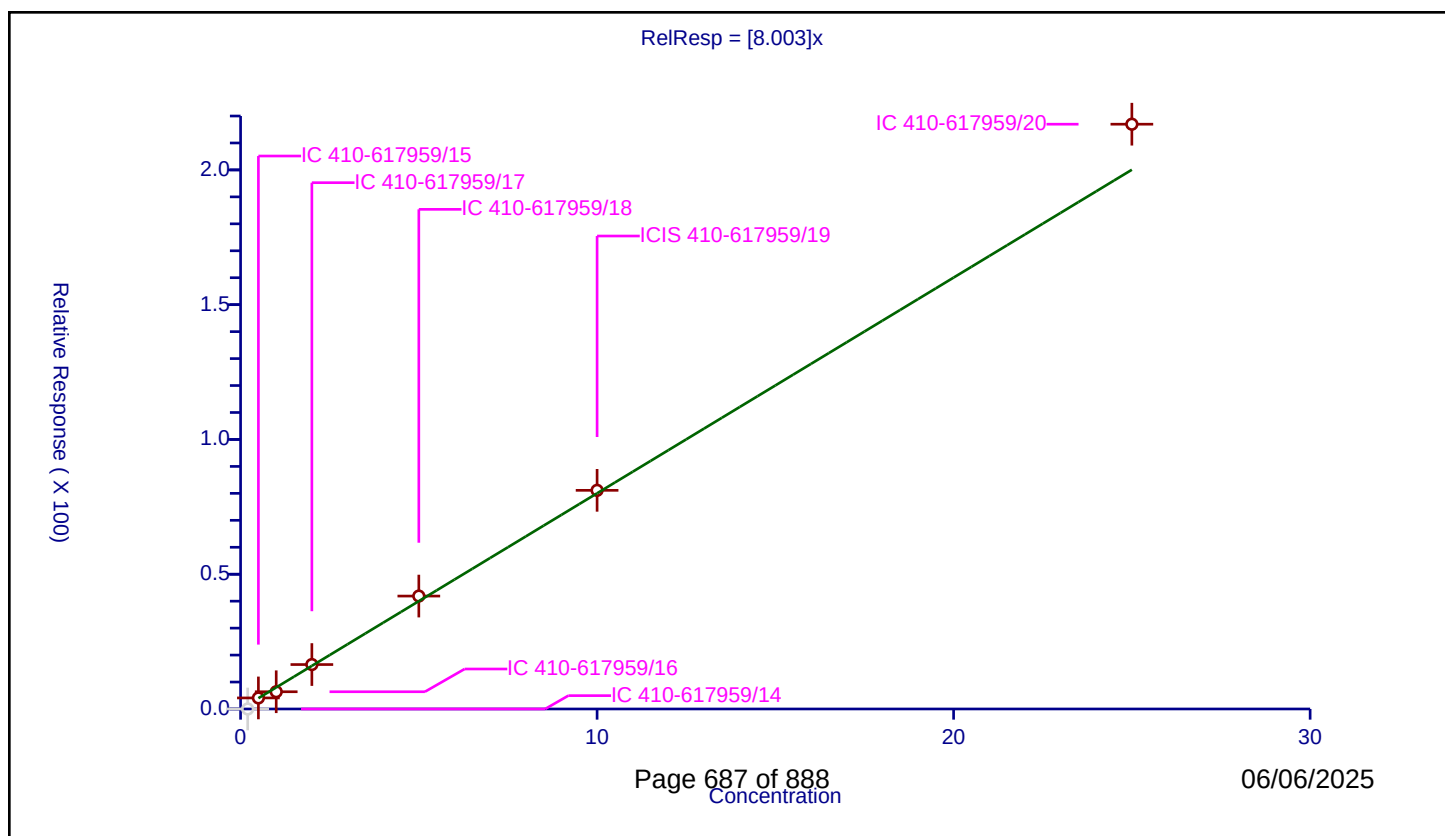
Curve Coefficients

Intercept: 0
 Slope: 8.003

Error Coefficients

Relative Standard Deviation: 10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.0	50.0	173186.0	0.0	N
2	IC 410-617959/15	0.5	4.1026	50.0	150234.0	8.2052	Y
3	IC 410-617959/16	1.0	6.395069	50.0	176683.0	6.395069	Y
4	IC 410-617959/17	2.0	16.491564	50.0	155813.0	8.245782	Y
5	IC 410-617959/18	5.0	41.890843	50.0	177762.0	8.378169	Y
6	ICIS 410-617959/19	10.0	81.127406	50.0	197604.0	8.112741	Y
7	IC 410-617959/20	25.0	216.962654	50.0	216169.0	8.678506	Y

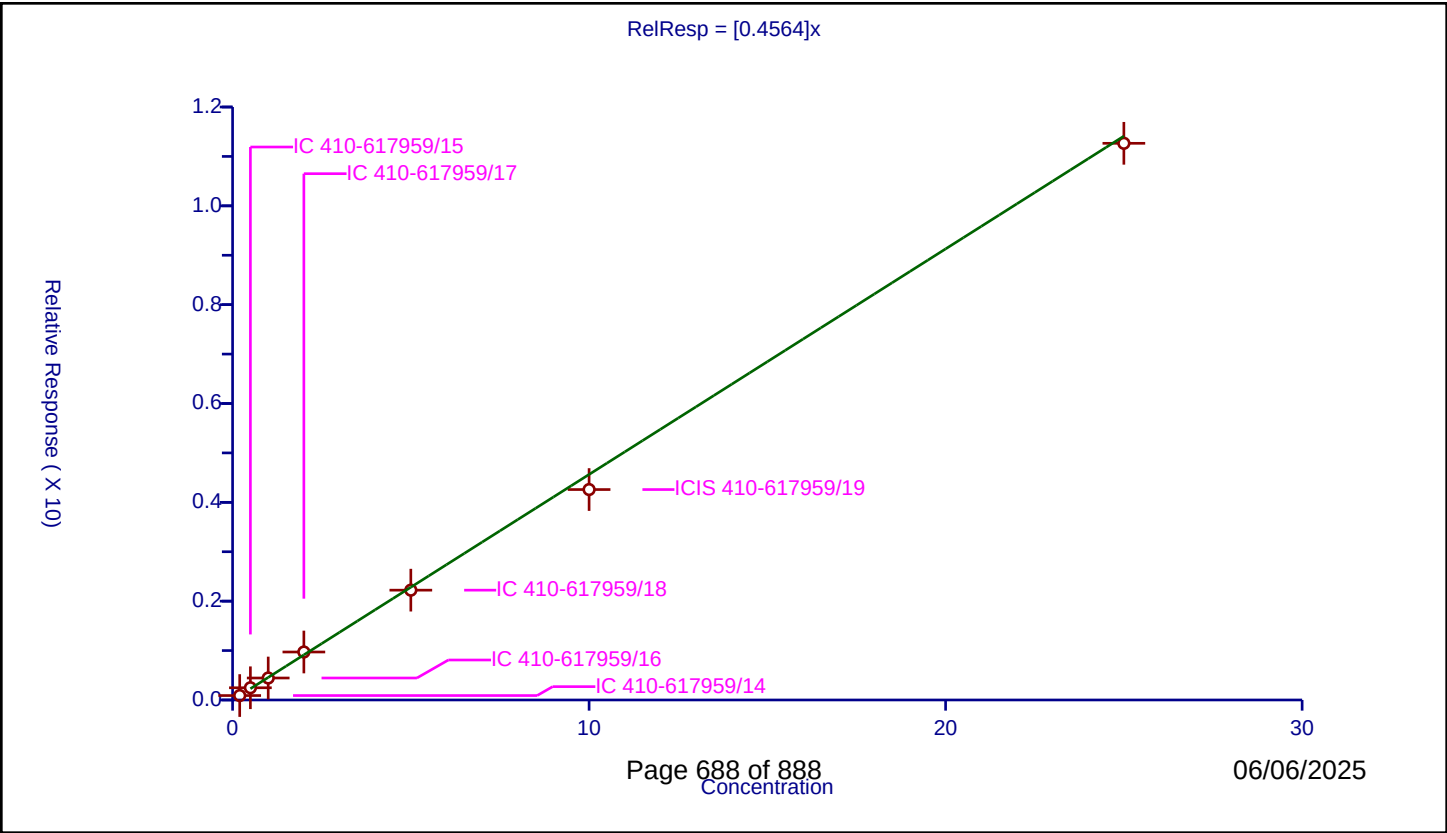


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4564
Error Coefficients	

Relative Standard Deviation: 5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.089621	10.0	2130985.0	0.448103	Y
2	IC 410-617959/15	0.5	0.247671	10.0	1902526.0	0.495341	Y
3	IC 410-617959/16	1.0	0.444828	10.0	2216451.0	0.444828	Y
4	IC 410-617959/17	2.0	0.971248	10.0	1948679.0	0.485624	Y
5	IC 410-617959/18	5.0	2.222719	10.0	2375608.0	0.444544	Y
6	ICIS 410-617959/19	10.0	4.258535	10.0	2528151.0	0.425854	Y
7	IC 410-617959/20	25.0	11.265686	10.0	2691008.0	0.450627	Y



Calibration

/ Methylene Chloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

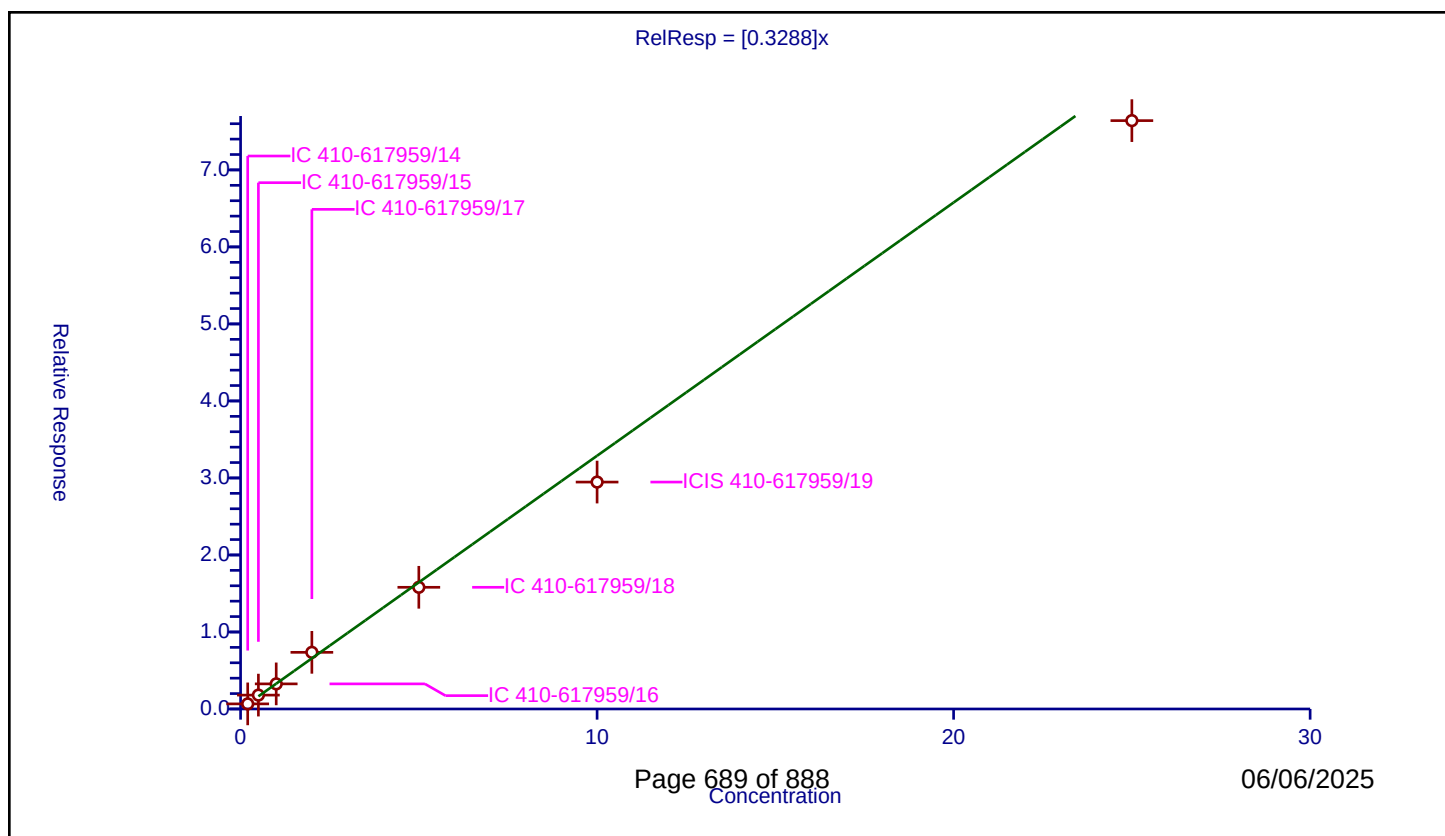
Curve Coefficients

Intercept: 0
Slope: 0.3288

Error Coefficients

Relative Standard Deviation: 8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.066298	10.0	2130985.0	0.33149	Y
2	IC 410-617959/15	0.5	0.180092	10.0	1902526.0	0.360184	Y
3	IC 410-617959/16	1.0	0.325944	10.0	2216451.0	0.325944	Y
4	IC 410-617959/17	2.0	0.735632	10.0	1948679.0	0.367816	Y
5	IC 410-617959/18	5.0	1.58032	10.0	2375608.0	0.316064	Y
6	ICIS 410-617959/19	10.0	2.946707	10.0	2528151.0	0.294671	Y
7	IC 410-617959/20	25.0	7.640211	10.0	2691008.0	0.305608	Y



Calibration

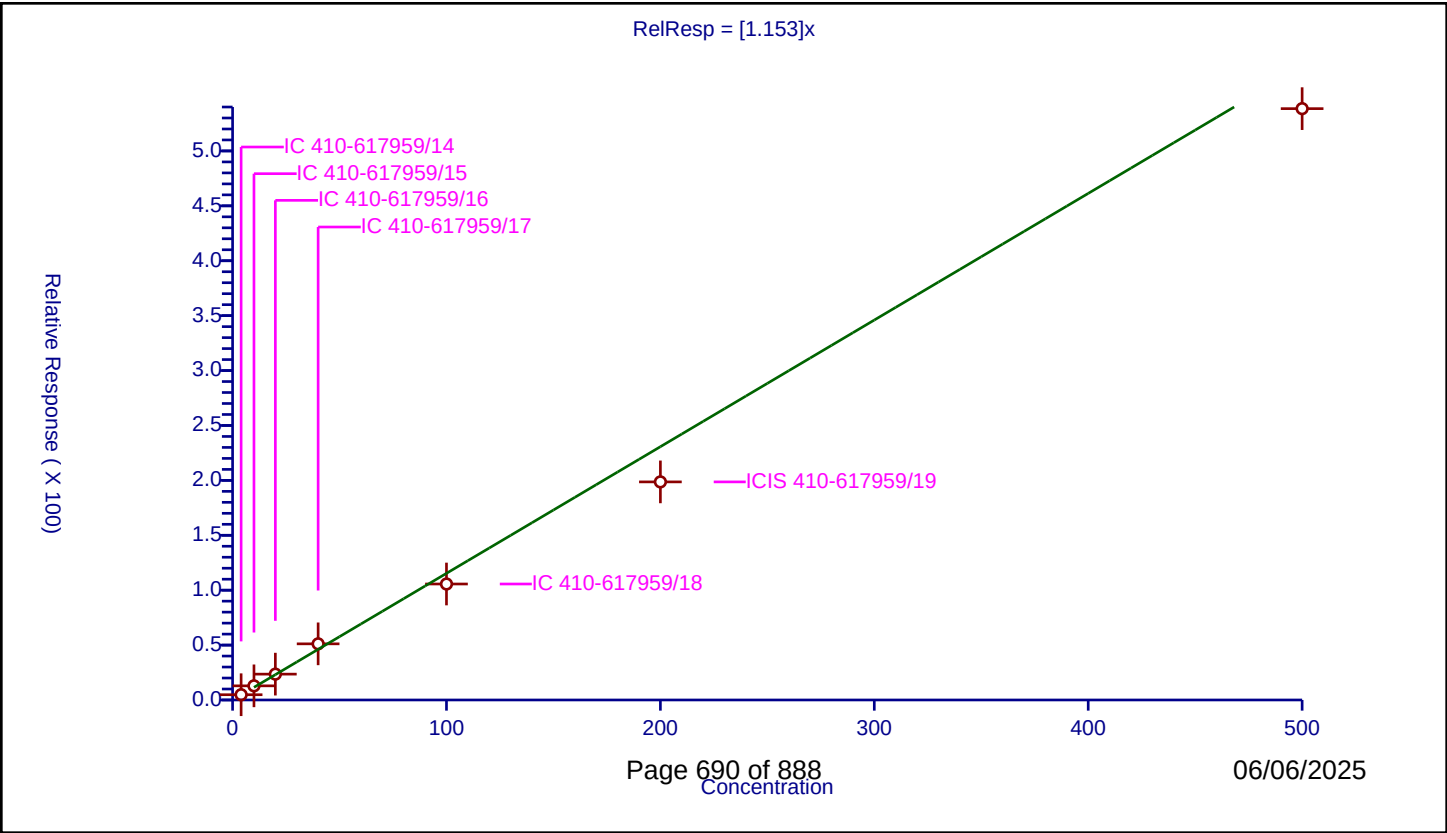
/ 2-Methyl-2-propanol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.153
Error Coefficients	

Relative Standard Deviation: 9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	4.0	4.806971	50.0	173186.0	1.201743	Y
2	IC 410-617959/15	10.0	12.888228	50.0	150234.0	1.288823	Y
3	IC 410-617959/16	20.0	23.553766	50.0	176683.0	1.177688	Y
4	IC 410-617959/17	40.0	51.131164	50.0	155813.0	1.278279	Y
5	IC 410-617959/18	100.0	105.635906	50.0	177762.0	1.056359	Y
6	ICIS 410-617959/19	200.0	198.619461	50.0	197604.0	0.993097	Y
7	IC 410-617959/20	500.0	538.518474	50.0	216169.0	1.077037	Y



Calibration

/ Acrylonitrile

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

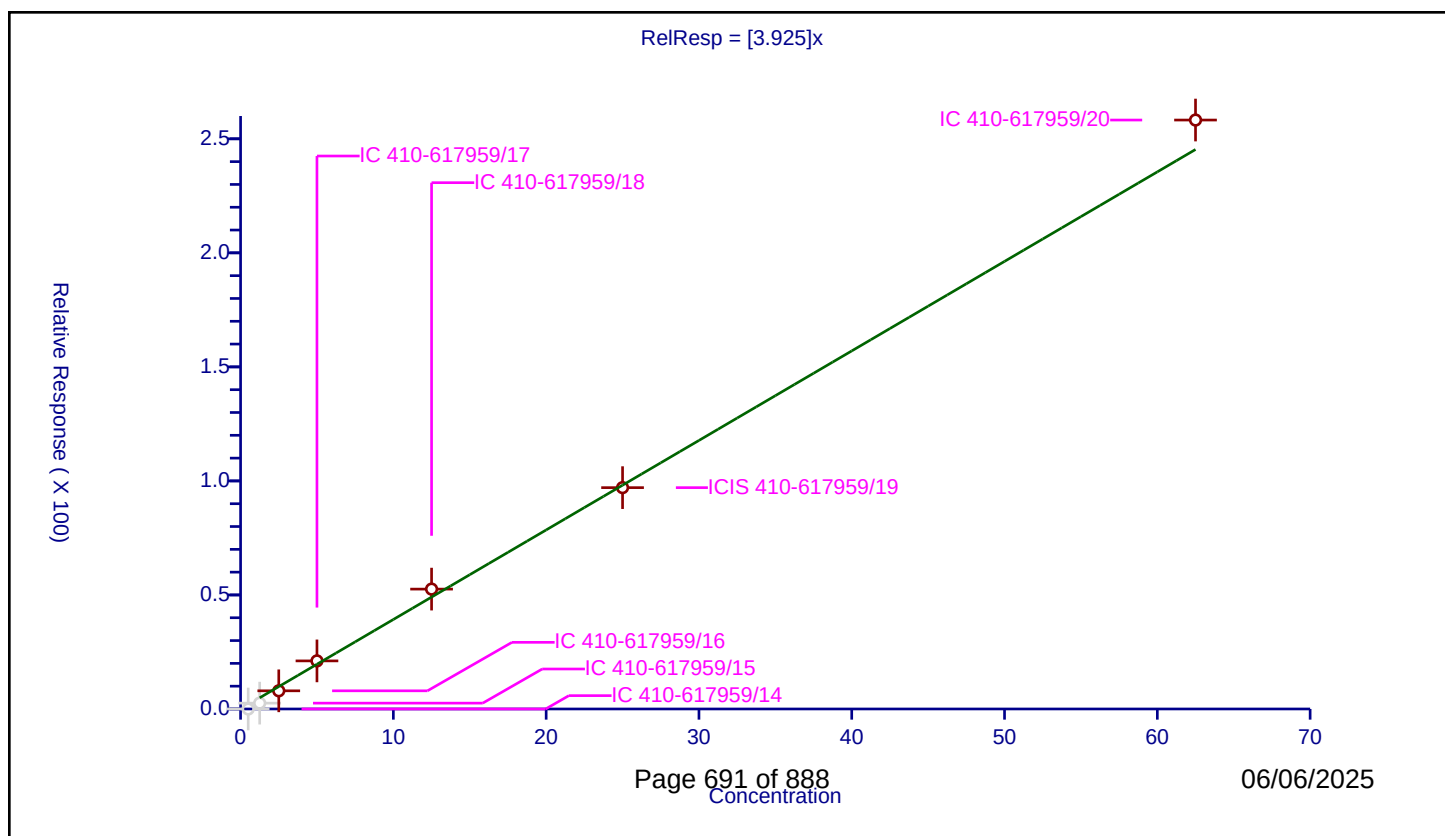
Curve Coefficients

Intercept: 0
Slope: 3.925

Error Coefficients

Relative Standard Deviation: 11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.5	0.0	50.0	173186.0	0.0	N
2	IC 410-617959/15	1.25	2.567661	50.0	150234.0	2.054129	N
3	IC 410-617959/16	2.5	7.971904	50.0	176683.0	3.188762	Y
4	IC 410-617959/17	5.0	21.088741	50.0	155813.0	4.217748	Y
5	IC 410-617959/18	12.5	52.566071	50.0	177762.0	4.205286	Y
6	ICIS 410-617959/19	25.0	97.050667	50.0	197604.0	3.882027	Y
7	IC 410-617959/20	62.5	258.238924	50.0	216169.0	4.131823	Y



Calibration

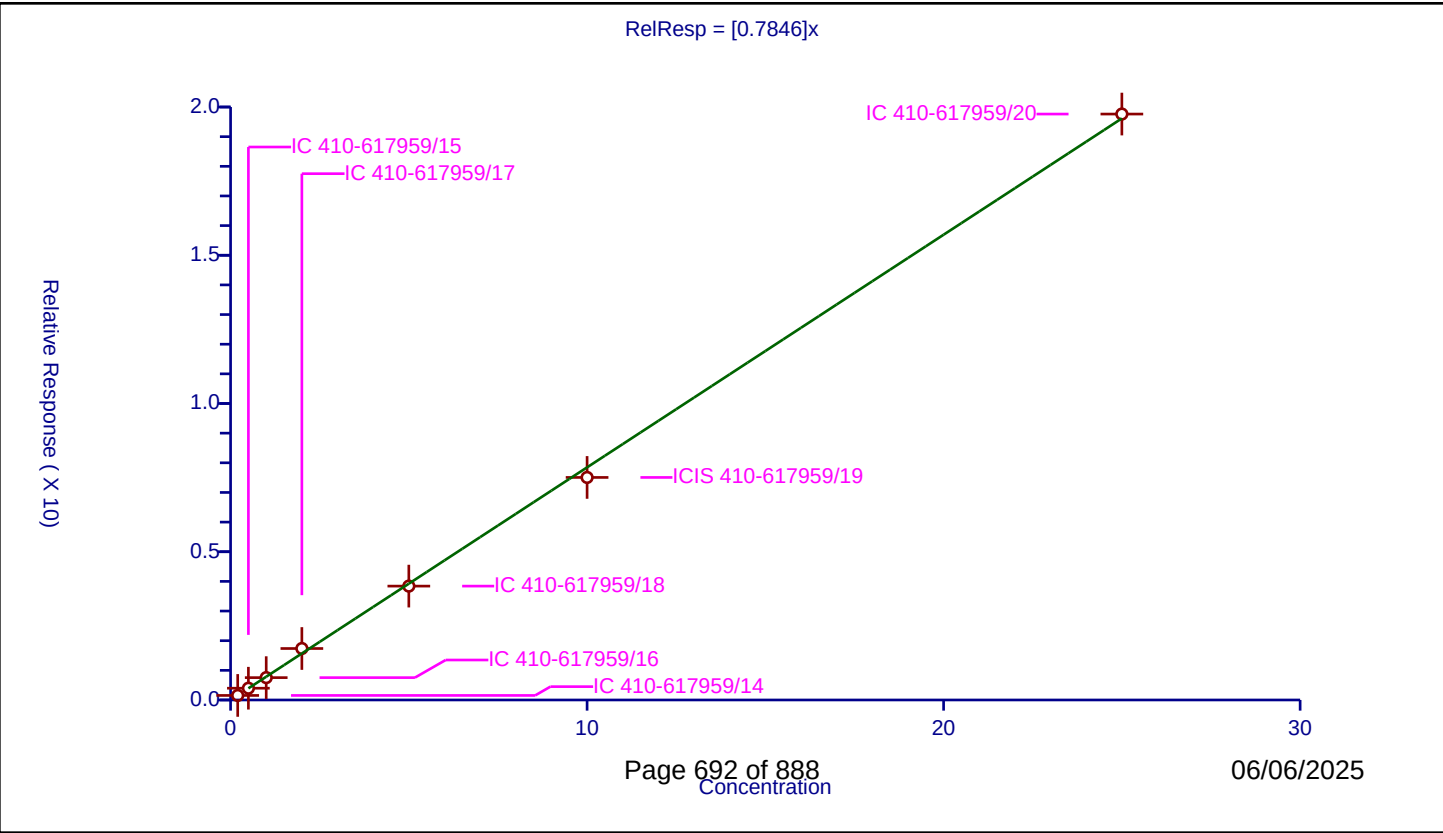
/ Methyl tert-butyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.7846
Error Coefficients	

Relative Standard Deviation: 5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.153225	10.0	2130985.0	0.766125	Y
2	IC 410-617959/15	0.5	0.39733	10.0	1902526.0	0.794659	Y
3	IC 410-617959/16	1.0	0.754201	10.0	2216451.0	0.754201	Y
4	IC 410-617959/17	2.0	1.735991	10.0	1948679.0	0.867996	Y
5	IC 410-617959/18	5.0	3.84108	10.0	2375608.0	0.768216	Y
6	ICIS 410-617959/19	10.0	7.506446	10.0	2528151.0	0.750645	Y
7	IC 410-617959/20	25.0	19.762602	10.0	2691008.0	0.790504	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

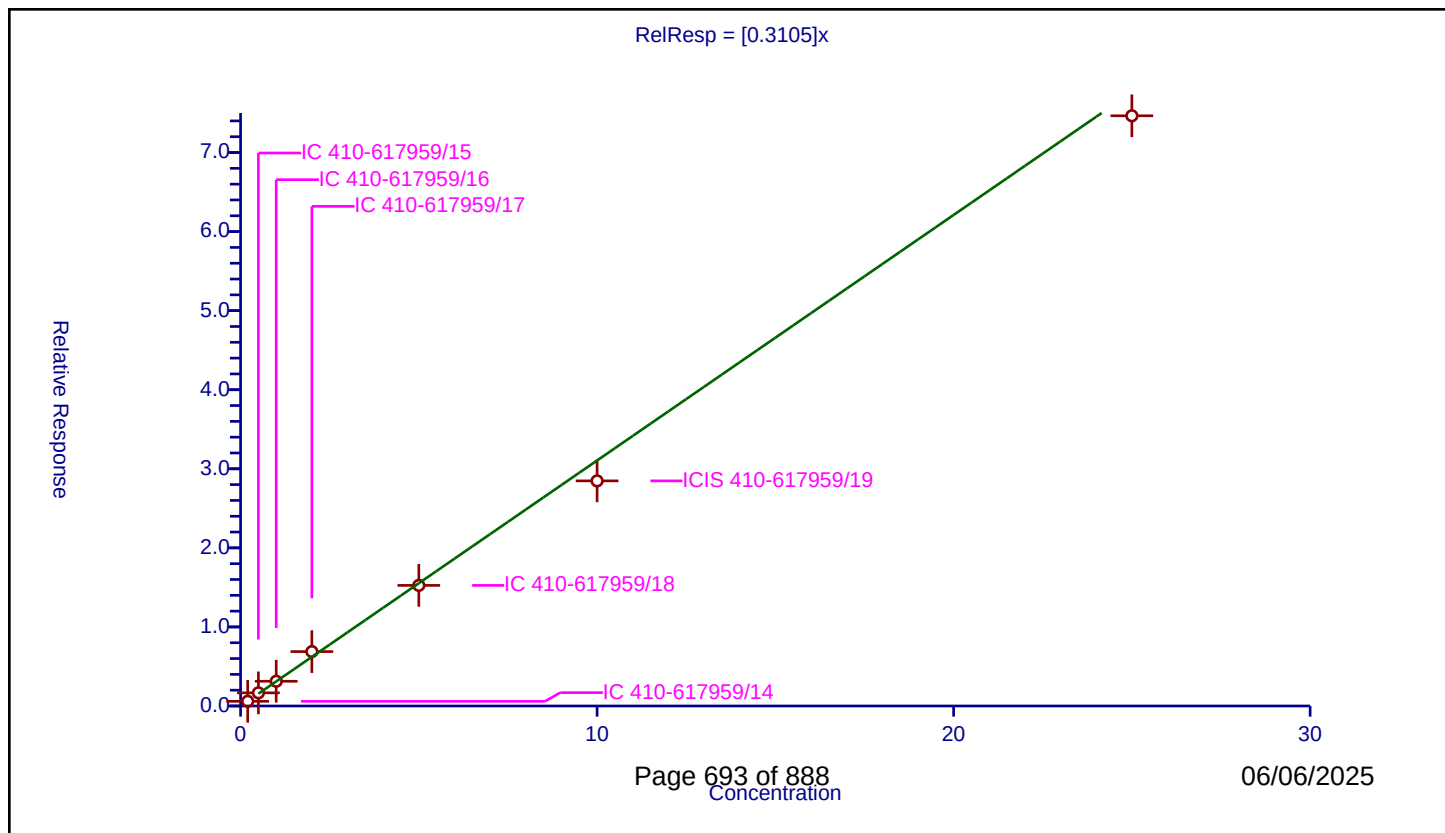
Curve Coefficients

Intercept: 0
Slope: 0.3105

Error Coefficients

Relative Standard Deviation: 6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.059226	10.0	2130985.0	0.296131	Y
2	IC 410-617959/15	0.5	0.166174	10.0	1902526.0	0.332348	Y
3	IC 410-617959/16	1.0	0.312851	10.0	2216451.0	0.312851	Y
4	IC 410-617959/17	2.0	0.687887	10.0	1948679.0	0.343943	Y
5	IC 410-617959/18	5.0	1.525323	10.0	2375608.0	0.305065	Y
6	ICIS 410-617959/19	10.0	2.847021	10.0	2528151.0	0.284702	Y
7	IC 410-617959/20	25.0	7.464957	10.0	2691008.0	0.298598	Y



Calibration

/ Hexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

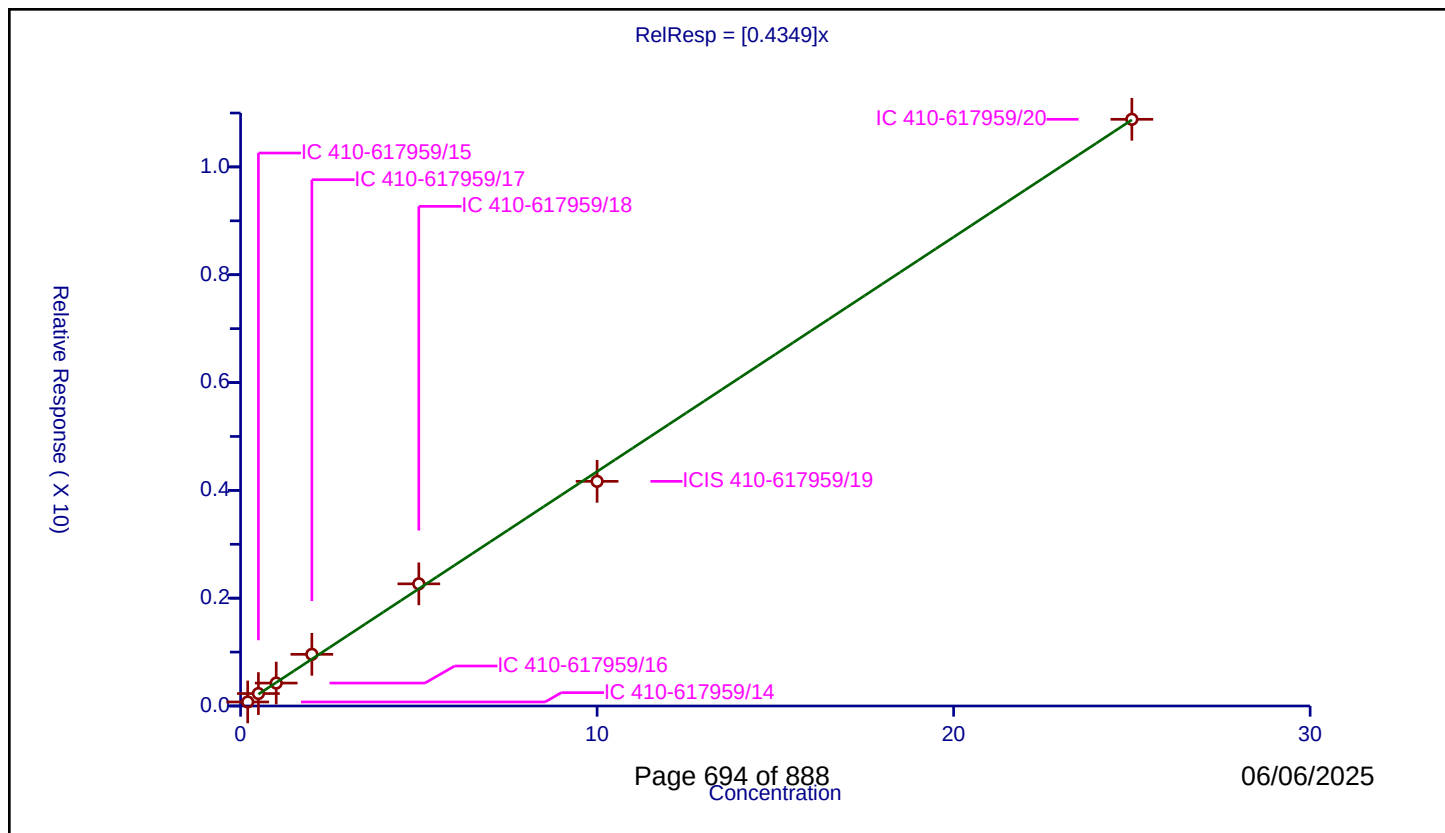
Curve Coefficients

Intercept: 0
Slope: 0.4349

Error Coefficients

Relative Standard Deviation: 8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.074721	10.0	2130985.0	0.373607	Y
2	IC 410-617959/15	0.5	0.230699	10.0	1902526.0	0.461397	Y
3	IC 410-617959/16	1.0	0.424959	10.0	2216451.0	0.424959	Y
4	IC 410-617959/17	2.0	0.95849	10.0	1948679.0	0.479245	Y
5	IC 410-617959/18	5.0	2.265761	10.0	2375608.0	0.453152	Y
6	ICIS 410-617959/19	10.0	4.167639	10.0	2528151.0	0.416764	Y
7	IC 410-617959/20	25.0	10.883349	10.0	2691008.0	0.435334	Y



Calibration

/ 1,1-Dichloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

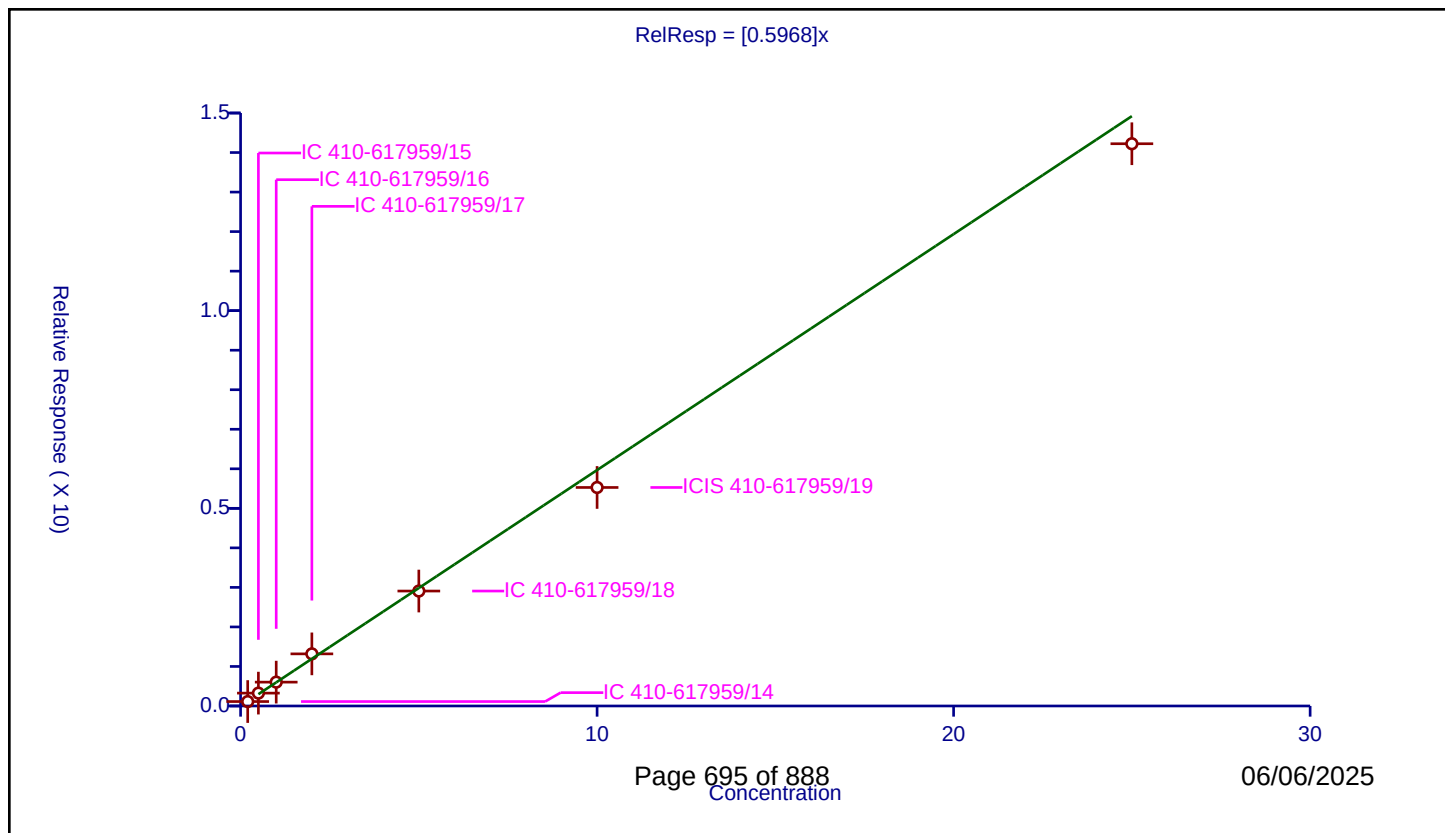
Curve Coefficients

Intercept: 0
Slope: 0.5968

Error Coefficients

Relative Standard Deviation: 7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.112206	10.0	2130985.0	0.561032	Y
2	IC 410-617959/15	0.5	0.325483	10.0	1902526.0	0.650966	Y
3	IC 410-617959/16	1.0	0.603384	10.0	2216451.0	0.603384	Y
4	IC 410-617959/17	2.0	1.318385	10.0	1948679.0	0.659193	Y
5	IC 410-617959/18	5.0	2.907521	10.0	2375608.0	0.581504	Y
6	ICIS 410-617959/19	10.0	5.527641	10.0	2528151.0	0.552764	Y
7	IC 410-617959/20	25.0	14.222734	10.0	2691008.0	0.568909	Y



Calibration

/ Isopropyl ether

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

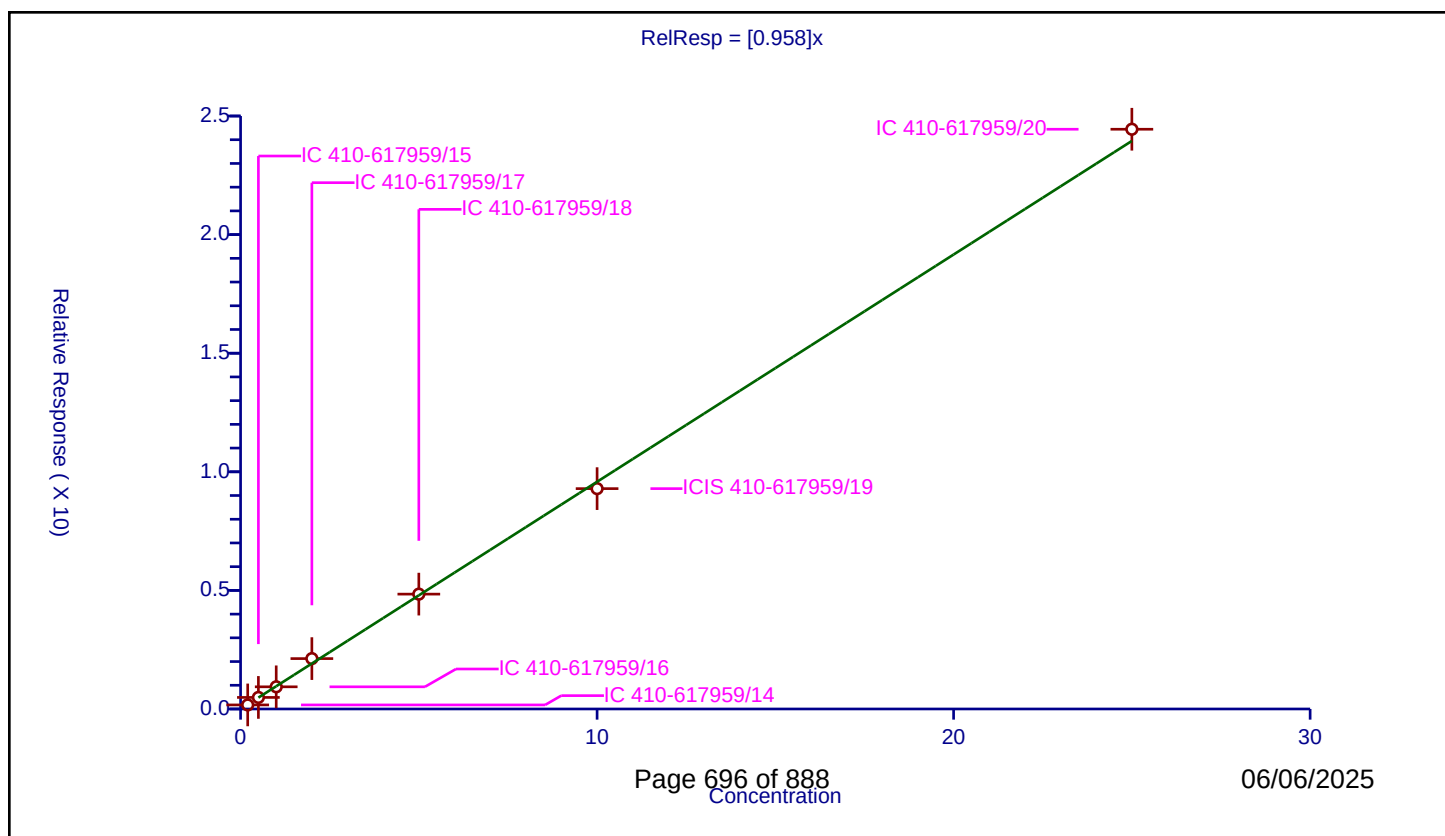
Curve Coefficients

Intercept: 0
 Slope: 0.958

Error Coefficients

Relative Standard Deviation: 6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.171789	10.0	2130985.0	0.858946	Y
2	IC 410-617959/15	0.5	0.487326	10.0	1902526.0	0.974652	Y
3	IC 410-617959/16	1.0	0.934819	10.0	2216451.0	0.934819	Y
4	IC 410-617959/17	2.0	2.124208	10.0	1948679.0	1.062104	Y
5	IC 410-617959/18	5.0	4.842706	10.0	2375608.0	0.968541	Y
6	ICIS 410-617959/19	10.0	9.29011	10.0	2528151.0	0.929011	Y
7	IC 410-617959/20	25.0	24.442473	10.0	2691008.0	0.977699	Y



Calibration

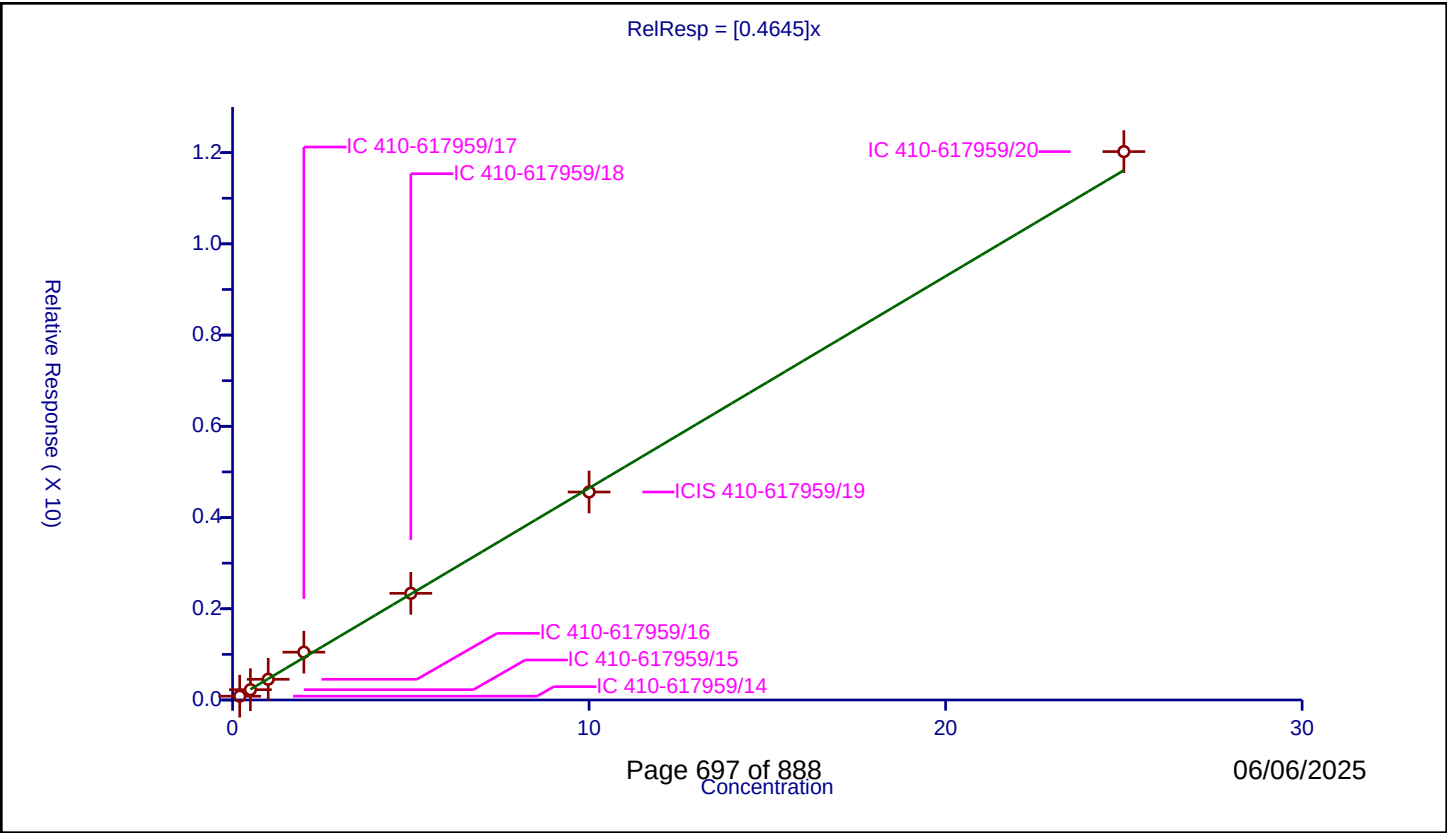
/ 2-Chloro-1,3-butadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4645
Error Coefficients	

Relative Standard Deviation: 7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.083177	10.0	2130985.0	0.415887	Y
2	IC 410-617959/15	0.5	0.226231	10.0	1902526.0	0.452462	Y
3	IC 410-617959/16	1.0	0.454154	10.0	2216451.0	0.454154	Y
4	IC 410-617959/17	2.0	1.048777	10.0	1948679.0	0.524389	Y
5	IC 410-617959/18	5.0	2.338547	10.0	2375608.0	0.467709	Y
6	ICIS 410-617959/19	10.0	4.559518	10.0	2528151.0	0.455952	Y
7	IC 410-617959/20	25.0	12.022458	10.0	2691008.0	0.480898	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

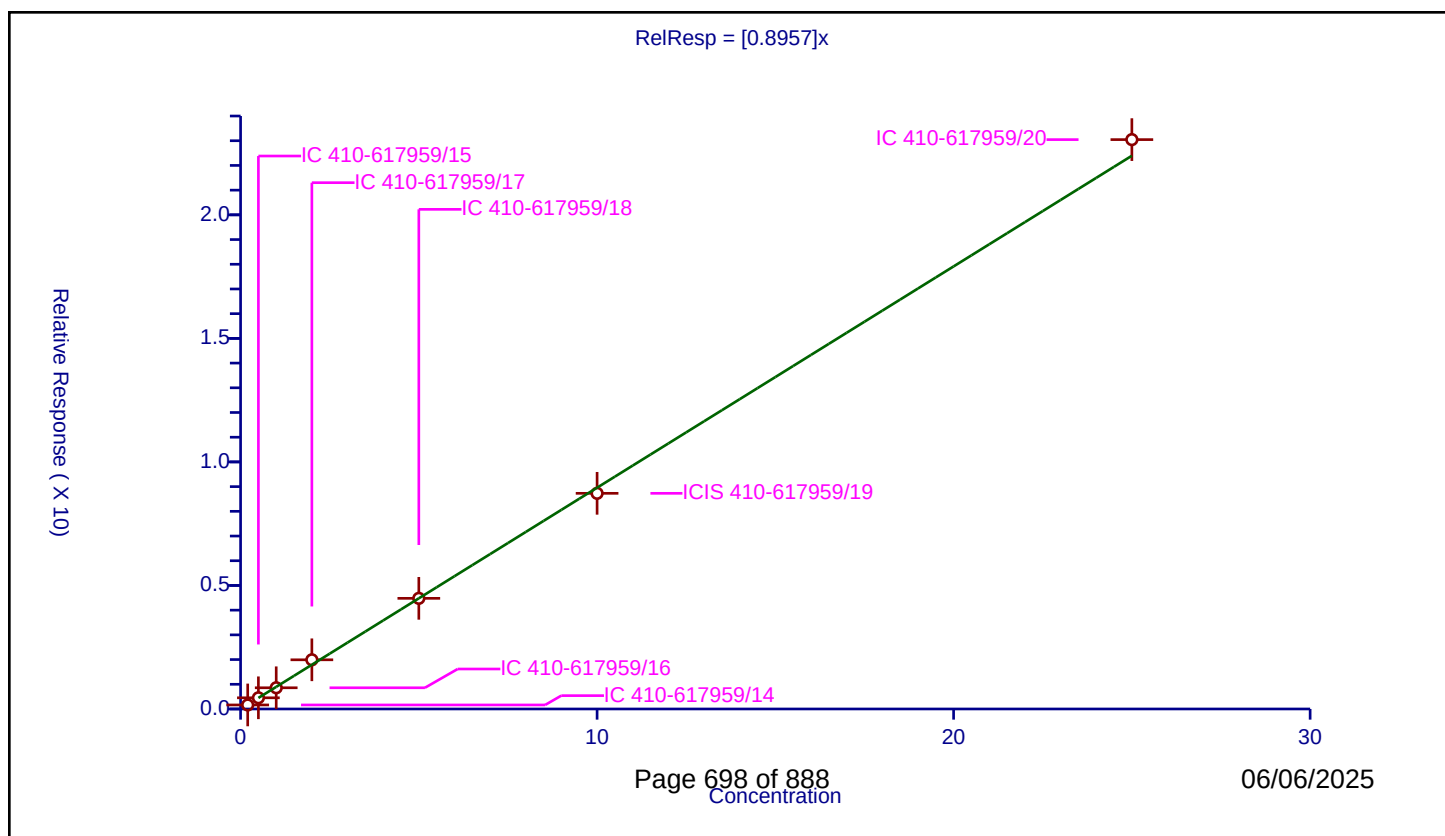
Curve Coefficients

Intercept: 0
Slope: 0.8957

Error Coefficients

Relative Standard Deviation: 6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.16392	10.0	2130985.0	0.819598	Y
2	IC 410-617959/15	0.5	0.452882	10.0	1902526.0	0.905764	Y
3	IC 410-617959/16	1.0	0.858557	10.0	2216451.0	0.858557	Y
4	IC 410-617959/17	2.0	1.990697	10.0	1948679.0	0.995349	Y
5	IC 410-617959/18	5.0	4.478504	10.0	2375608.0	0.895701	Y
6	ICIS 410-617959/19	10.0	8.72868	10.0	2528151.0	0.872868	Y
7	IC 410-617959/20	25.0	23.044443	10.0	2691008.0	0.921778	Y



Calibration

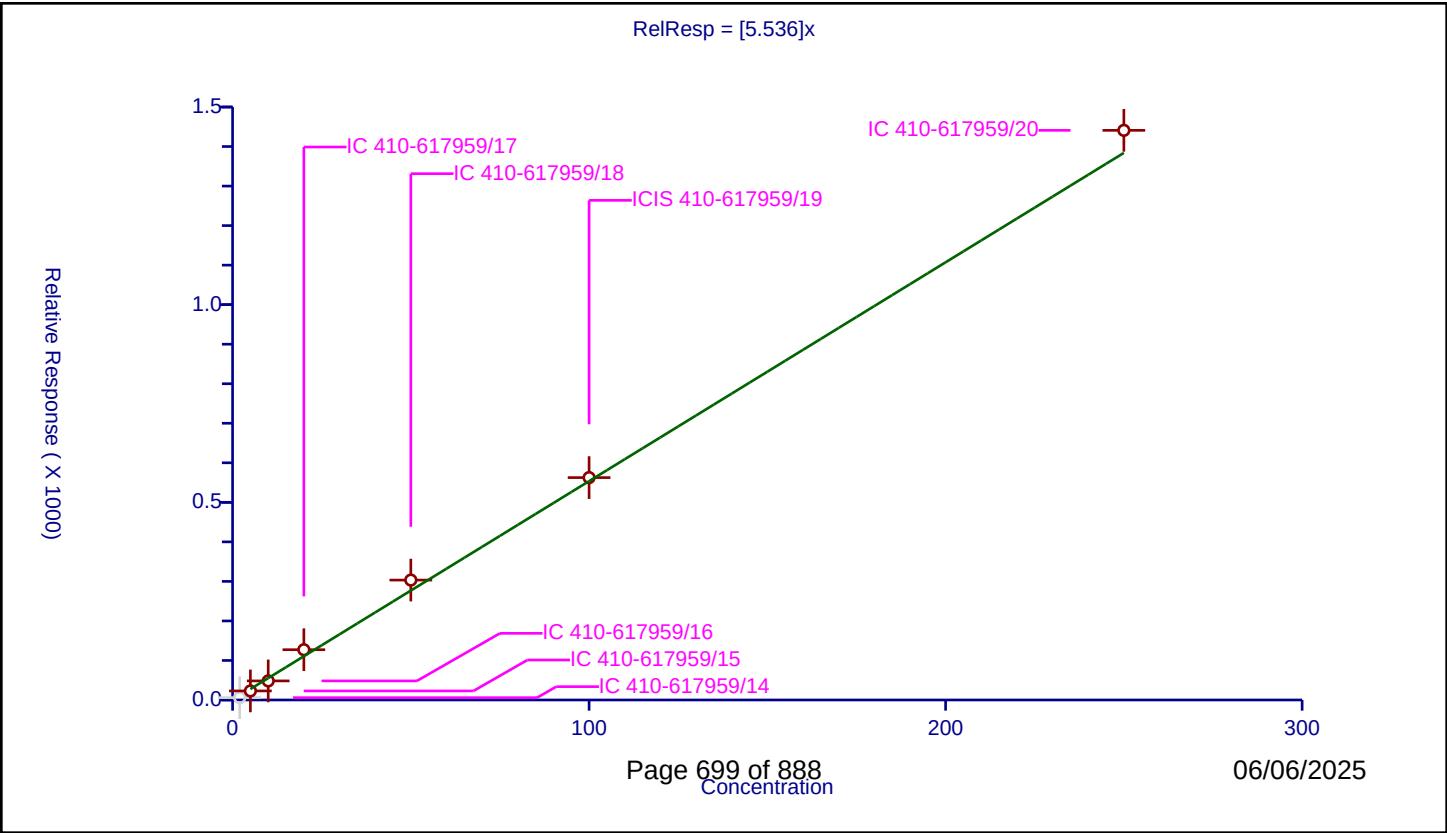
/ 2-Butanone (MEK)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	5.536
Error Coefficients	

Relative Standard Deviation: 12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	2.0	5.917337	50.0	173186.0	2.958669	N
2	IC 410-617959/15	5.0	22.885632	50.0	150234.0	4.577126	Y
3	IC 410-617959/16	10.0	48.247143	50.0	176683.0	4.824714	Y
4	IC 410-617959/17	20.0	127.156592	50.0	155813.0	6.35783	Y
5	IC 410-617959/18	50.0	303.328045	50.0	177762.0	6.066561	Y
6	ICIS 410-617959/19	100.0	562.529099	50.0	197604.0	5.625291	Y
7	IC 410-617959/20	250.0	1440.956844	50.0	216169.0	5.763827	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

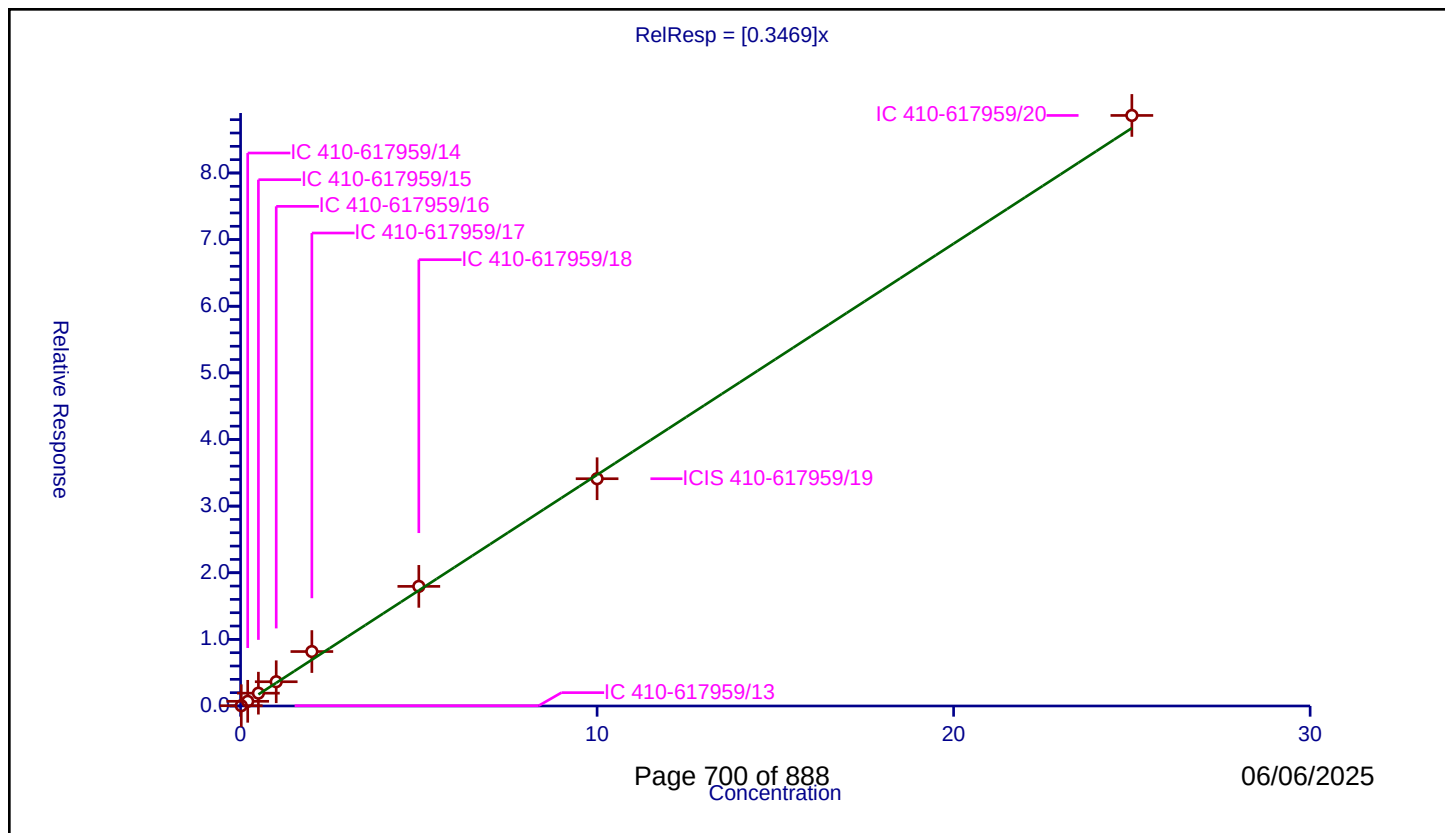
Curve Coefficients

Intercept: 0
Slope: 0.3469

Error Coefficients

Relative Standard Deviation: 16.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/13	0.02	0.004234	10.0	1835182.0	0.211696	Y
2	IC 410-617959/14	0.2	0.070409	10.0	2130985.0	0.352044	Y
3	IC 410-617959/15	0.5	0.192286	10.0	1902526.0	0.384573	Y
4	IC 410-617959/16	1.0	0.363911	10.0	2216451.0	0.363911	Y
5	IC 410-617959/17	2.0	0.817256	10.0	1948679.0	0.408628	Y
6	IC 410-617959/18	5.0	1.79522	10.0	2375608.0	0.359044	Y
7	ICIS 410-617959/19	10.0	3.410916	10.0	2528151.0	0.341092	Y
8	IC 410-617959/20	25.0	8.86343	10.0	2691008.0	0.354537	Y



Calibration

/ 2,2-Dichloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

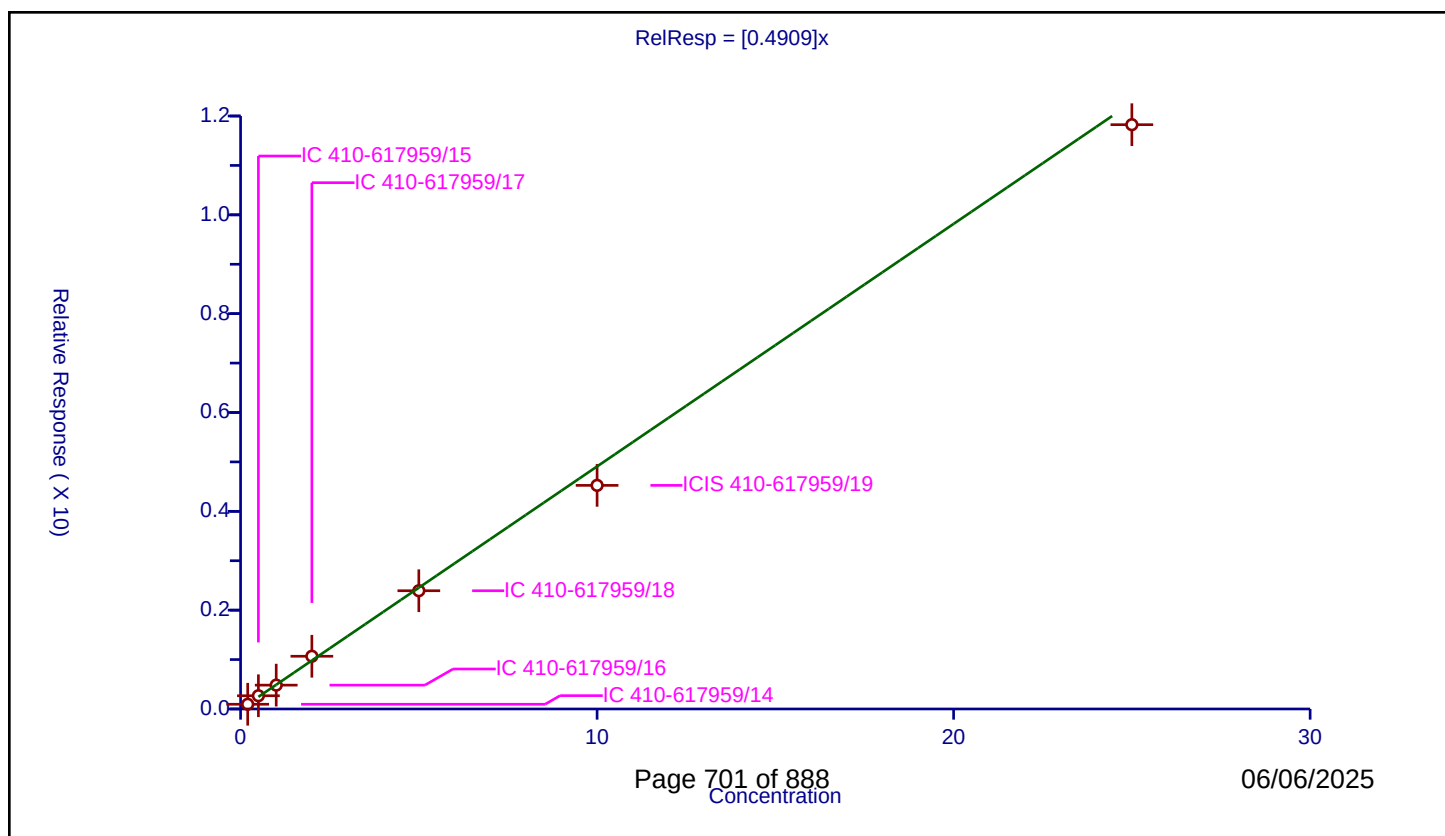
Curve Coefficients

Intercept: 0
Slope: 0.4909

Error Coefficients

Relative Standard Deviation: 6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.095984	10.0	2130985.0	0.479919	Y
2	IC 410-617959/15	0.5	0.267676	10.0	1902526.0	0.535351	Y
3	IC 410-617959/16	1.0	0.482848	10.0	2216451.0	0.482848	Y
4	IC 410-617959/17	2.0	1.067426	10.0	1948679.0	0.533713	Y
5	IC 410-617959/18	5.0	2.393131	10.0	2375608.0	0.478626	Y
6	ICIS 410-617959/19	10.0	4.525299	10.0	2528151.0	0.45253	Y
7	IC 410-617959/20	25.0	11.824528	10.0	2691008.0	0.472981	Y



Calibration

/ Propionitrile

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

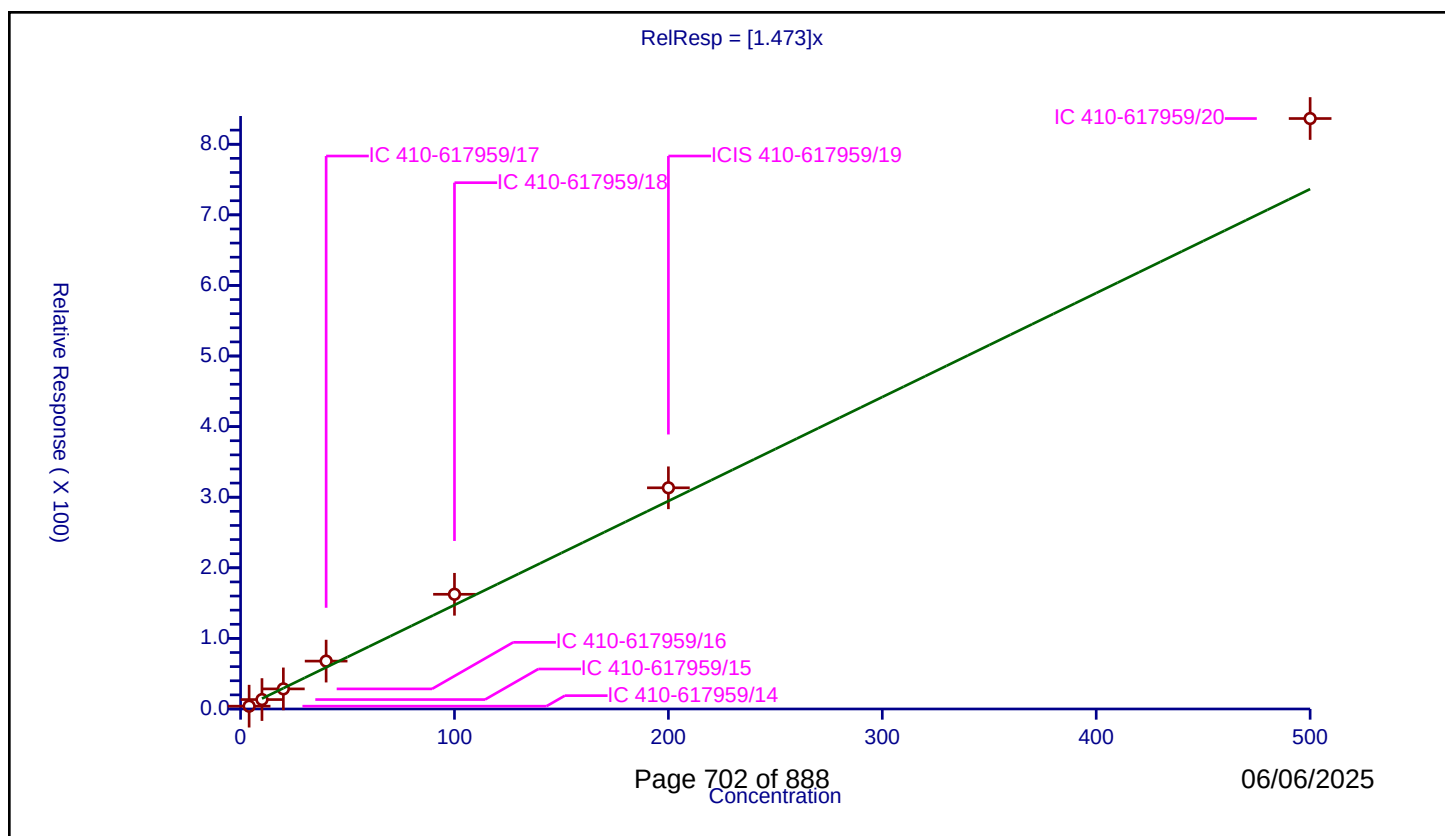
Curve Coefficients

Intercept: 0
Slope: 1.473

Error Coefficients

Relative Standard Deviation: 17.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	4.0	3.968566	50.0	173186.0	0.992141	Y
2	IC 410-617959/15	10.0	13.350839	50.0	150234.0	1.335084	Y
3	IC 410-617959/16	20.0	28.467085	50.0	176683.0	1.423354	Y
4	IC 410-617959/17	40.0	67.83452	50.0	155813.0	1.695863	Y
5	IC 410-617959/18	100.0	162.505204	50.0	177762.0	1.625052	Y
6	ICIS 410-617959/19	200.0	313.326906	50.0	197604.0	1.566635	Y
7	IC 410-617959/20	500.0	836.444171	50.0	216169.0	1.672888	Y



Calibration

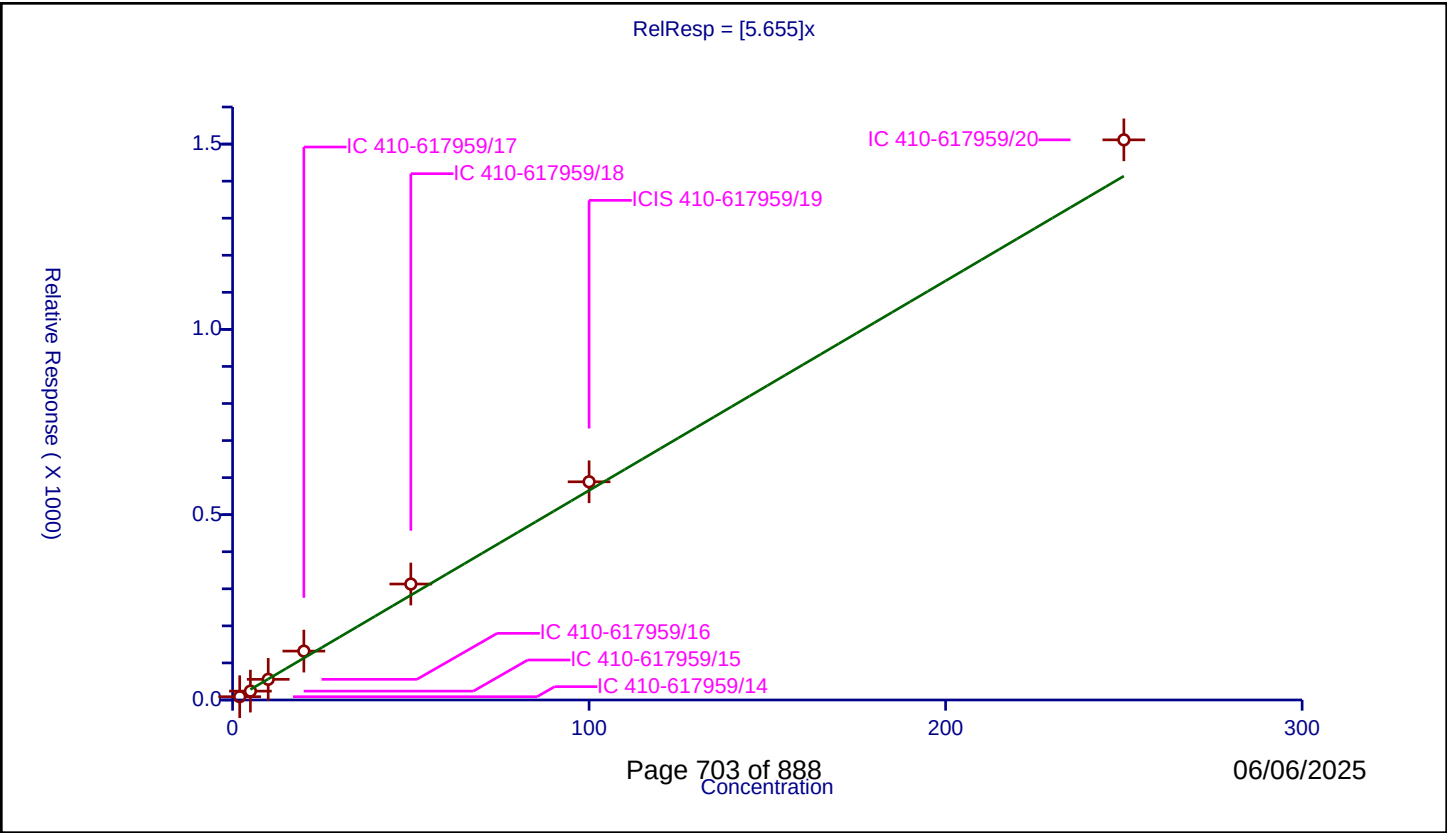
/ Methacrylonitrile

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	5.655
Error Coefficients	

Relative Standard Deviation: 13.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	2.0	8.870232	50.0	173186.0	4.435116	Y
2	IC 410-617959/15	5.0	23.944314	50.0	150234.0	4.788863	Y
3	IC 410-617959/16	10.0	55.719849	50.0	176683.0	5.571985	Y
4	IC 410-617959/17	20.0	131.917427	50.0	155813.0	6.595871	Y
5	IC 410-617959/18	50.0	312.86411	50.0	177762.0	6.257282	Y
6	ICIS 410-617959/19	100.0	588.773507	50.0	197604.0	5.887735	Y
7	IC 410-617959/20	250.0	1511.404734	50.0	216169.0	6.045619	Y



Calibration

/ Chlorobromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

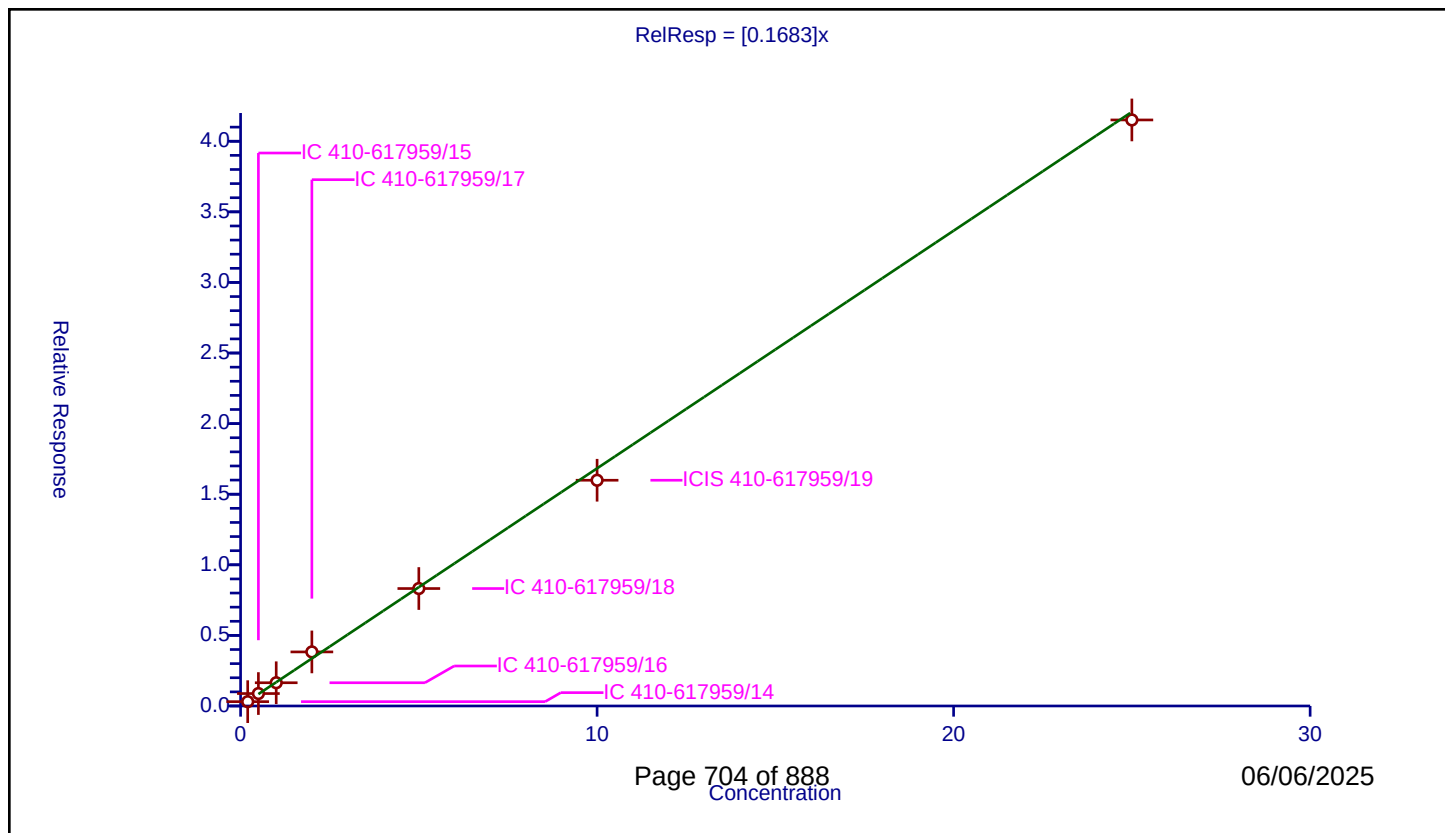
Curve Coefficients

Intercept: 0
Slope: 0.1683

Error Coefficients

Relative Standard Deviation: 7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.030737	10.0	2130985.0	0.153685	Y
2	IC 410-617959/15	0.5	0.088062	10.0	1902526.0	0.176124	Y
3	IC 410-617959/16	1.0	0.164615	10.0	2216451.0	0.164615	Y
4	IC 410-617959/17	2.0	0.382941	10.0	1948679.0	0.191471	Y
5	IC 410-617959/18	5.0	0.831955	10.0	2375608.0	0.166391	Y
6	ICIS 410-617959/19	10.0	1.598931	10.0	2528151.0	0.159893	Y
7	IC 410-617959/20	25.0	4.150932	10.0	2691008.0	0.166037	Y



Calibration

/ Tetrahydrofuran

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

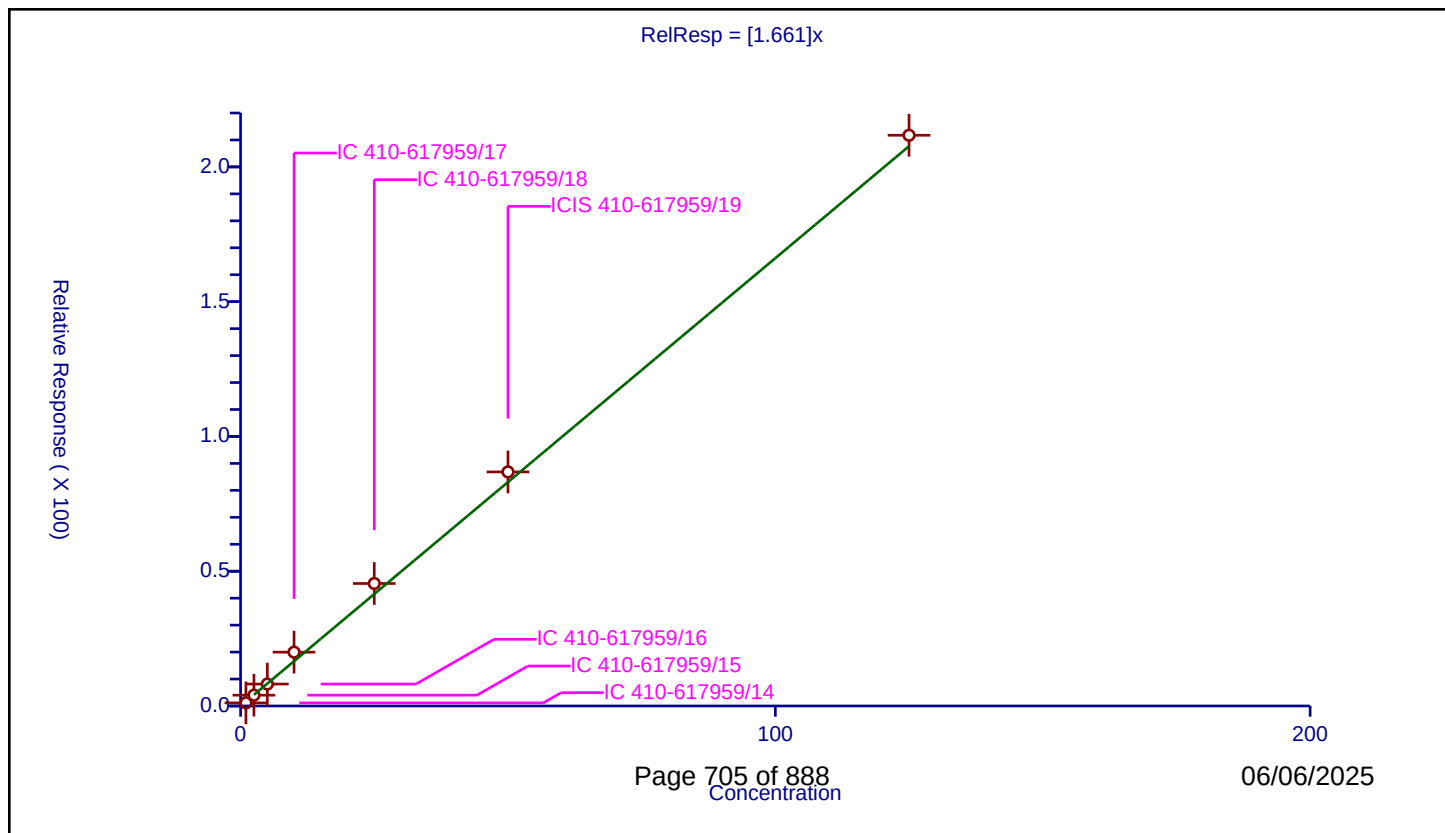
Curve Coefficients

Intercept: 0
 Slope: 1.661

Error Coefficients

Relative Standard Deviation: 15.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	1.0	1.154828	50.0	173186.0	1.154828	Y
2	IC 410-617959/15	2.5	4.008414	50.0	150234.0	1.603365	Y
3	IC 410-617959/16	5.0	8.133776	50.0	176683.0	1.626755	Y
4	IC 410-617959/17	10.0	19.968809	50.0	155813.0	1.996881	Y
5	IC 410-617959/18	25.0	45.447565	50.0	177762.0	1.817903	Y
6	ICIS 410-617959/19	50.0	86.838829	50.0	197604.0	1.736777	Y
7	IC 410-617959/20	125.0	211.748216	50.0	216169.0	1.693986	Y



Calibration

/ Chloroform

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

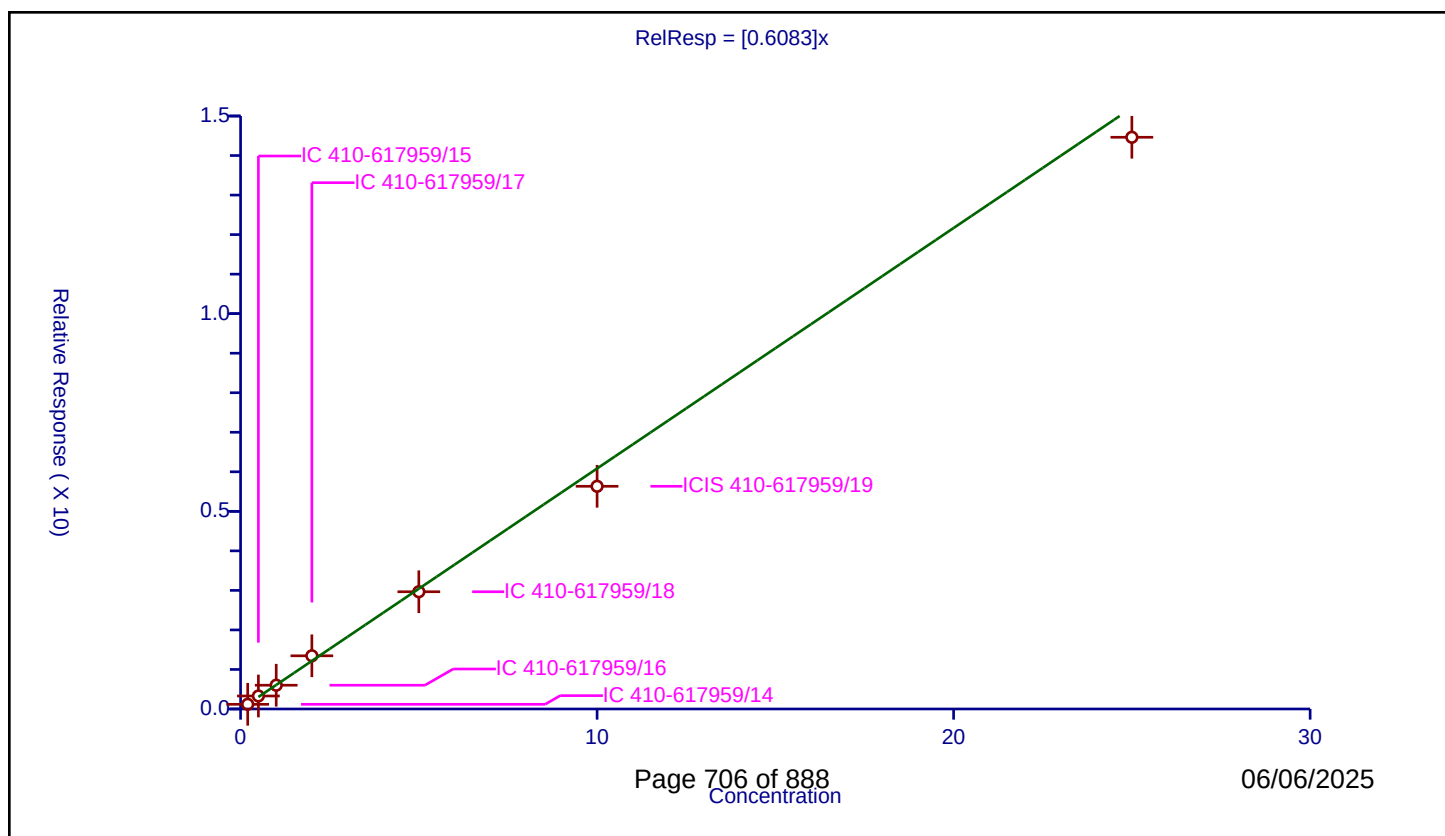
Curve Coefficients

Intercept: 0
Slope: 0.6083

Error Coefficients

Relative Standard Deviation: 6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.118433	10.0	2130985.0	0.592167	Y
2	IC 410-617959/15	0.5	0.328589	10.0	1902526.0	0.657179	Y
3	IC 410-617959/16	1.0	0.601114	10.0	2216451.0	0.601114	Y
4	IC 410-617959/17	2.0	1.345727	10.0	1948679.0	0.672864	Y
5	IC 410-617959/18	5.0	2.965565	10.0	2375608.0	0.593113	Y
6	ICIS 410-617959/19	10.0	5.633876	10.0	2528151.0	0.563388	Y
7	IC 410-617959/20	25.0	14.462454	10.0	2691008.0	0.578498	Y



Calibration

/ Dibromofluoromethane (Surr)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

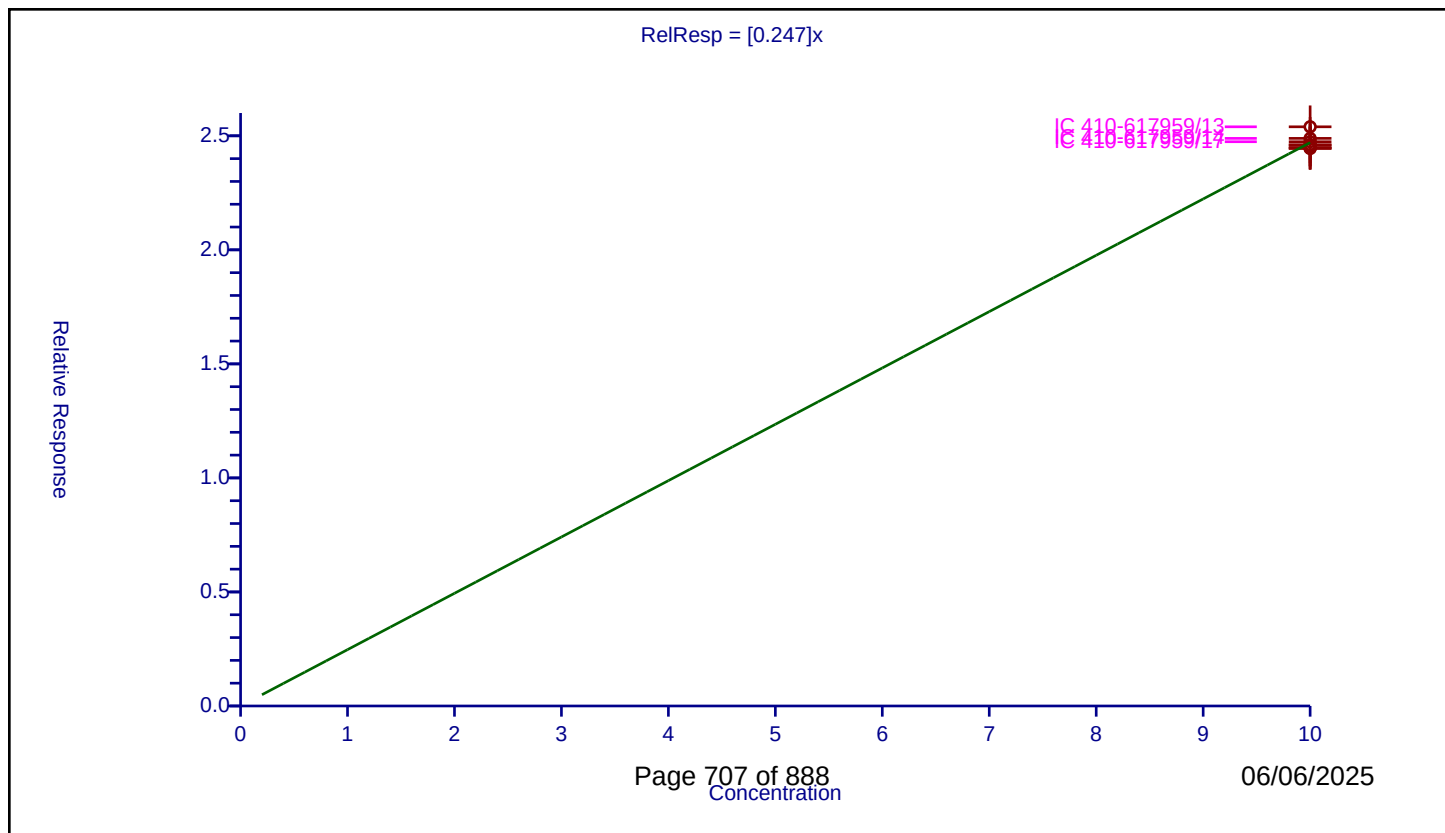
Curve Coefficients

Intercept: 0
 Slope: 0.247

Error Coefficients

Relative Standard Deviation: 1.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/13	10.0	2.539563	10.0	1835182.0	0.253956	Y
2	IC 410-617959/14	10.0	2.488844	10.0	2130985.0	0.248884	Y
3	IC 410-617959/15	10.0	2.444687	10.0	1902526.0	0.244469	Y
4	IC 410-617959/16	10.0	2.460009	10.0	2216451.0	0.246001	Y
5	IC 410-617959/17	10.0	2.47402	10.0	1948679.0	0.247402	Y
6	IC 410-617959/18	10.0	2.448674	10.0	2375608.0	0.244867	Y
7	ICIS 410-617959/19	10.0	2.46013	10.0	2528151.0	0.246013	Y
8	IC 410-617959/20	10.0	2.44566	10.0	2691008.0	0.244566	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

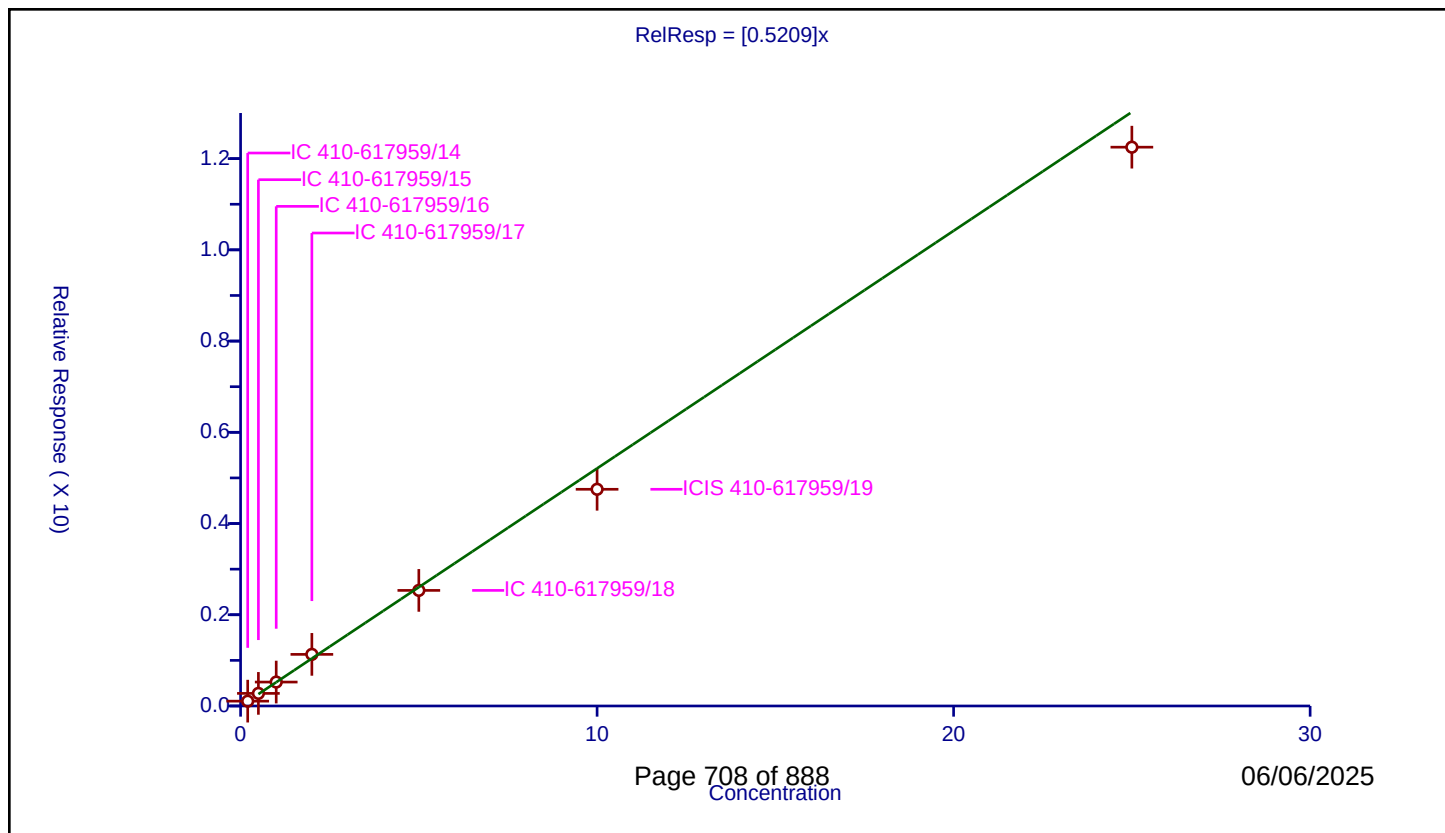
Curve Coefficients

Intercept: 0
Slope: 0.5209

Error Coefficients

Relative Standard Deviation: 6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.106289	10.0	2130985.0	0.531444	Y
2	IC 410-617959/15	0.5	0.27627	10.0	1902526.0	0.552539	Y
3	IC 410-617959/16	1.0	0.524501	10.0	2216451.0	0.524501	Y
4	IC 410-617959/17	2.0	1.131613	10.0	1948679.0	0.565806	Y
5	IC 410-617959/18	5.0	2.533894	10.0	2375608.0	0.506779	Y
6	ICIS 410-617959/19	10.0	4.750962	10.0	2528151.0	0.475096	Y
7	IC 410-617959/20	25.0	12.250986	10.0	2691008.0	0.490039	Y



Calibration

/ Cyclohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

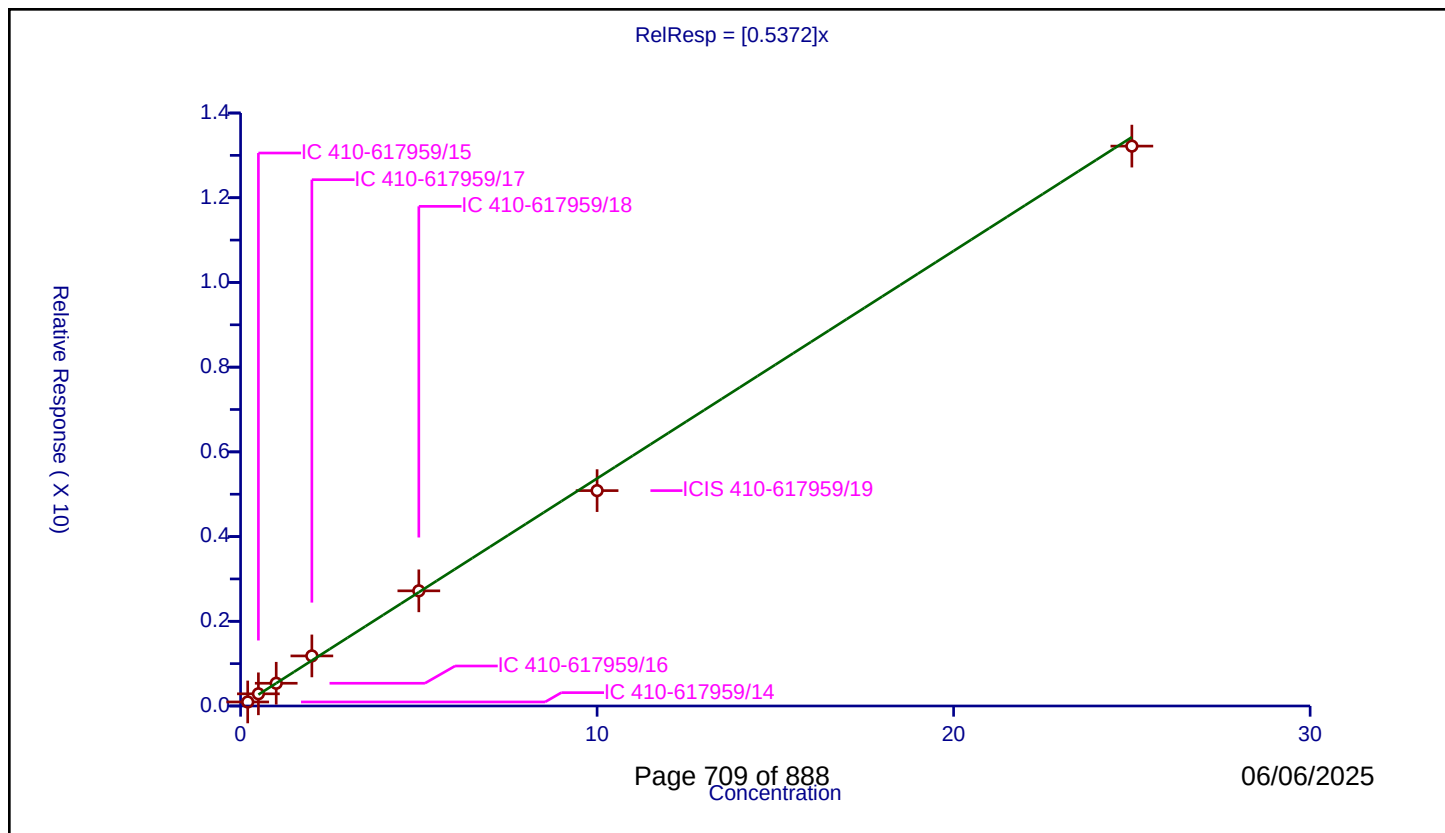
Curve Coefficients

Intercept: 0
Slope: 0.5372

Error Coefficients

Relative Standard Deviation: 7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.0955	10.0	2130985.0	0.477502	Y
2	IC 410-617959/15	0.5	0.287202	10.0	1902526.0	0.574405	Y
3	IC 410-617959/16	1.0	0.536448	10.0	2216451.0	0.536448	Y
4	IC 410-617959/17	2.0	1.182026	10.0	1948679.0	0.591013	Y
5	IC 410-617959/18	5.0	2.718866	10.0	2375608.0	0.543773	Y
6	ICIS 410-617959/19	10.0	5.084791	10.0	2528151.0	0.508479	Y
7	IC 410-617959/20	25.0	13.218935	10.0	2691008.0	0.528757	Y



Calibration

/ Carbon tetrachloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

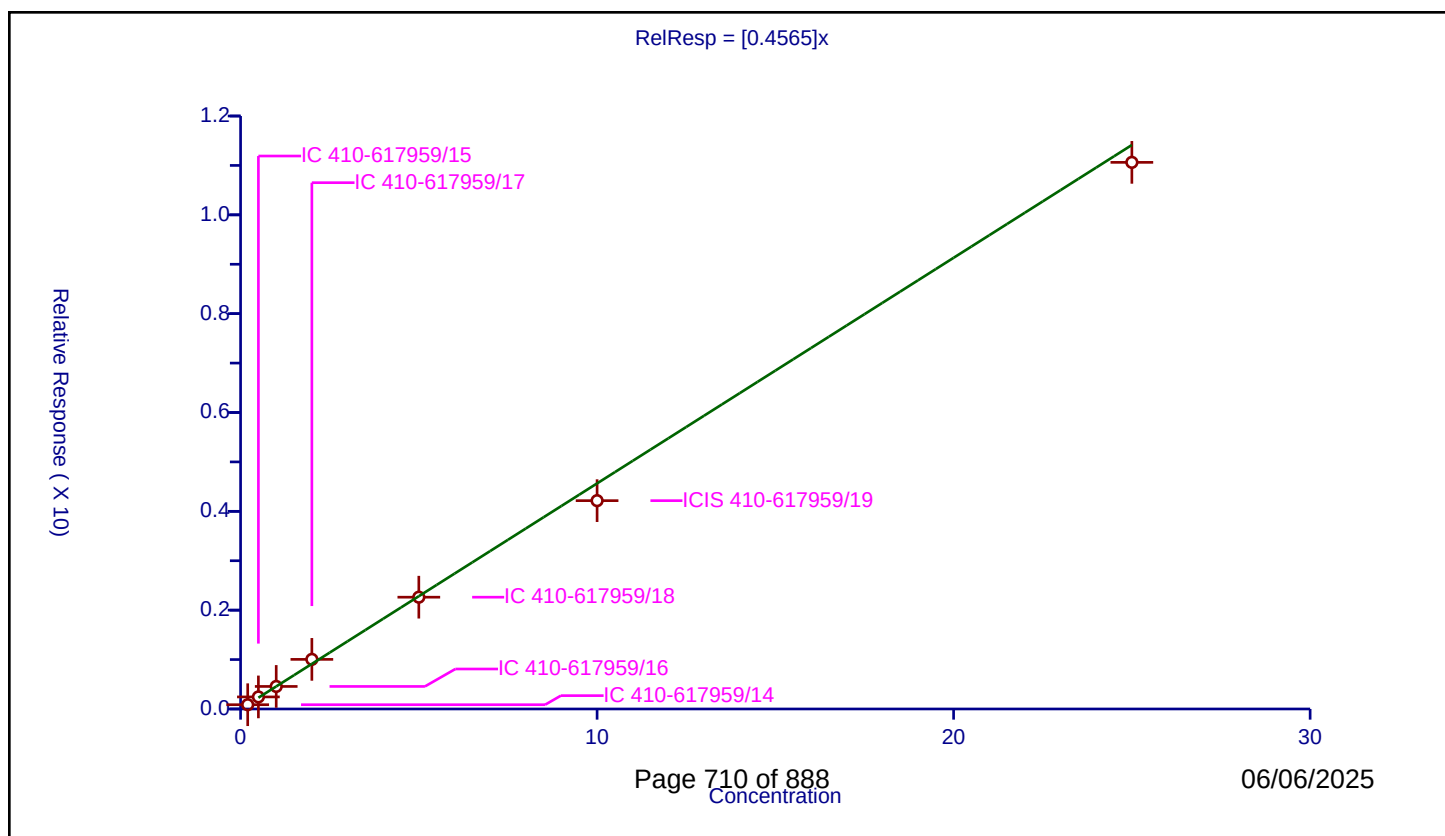
Curve Coefficients

Intercept: 0
Slope: 0.4565

Error Coefficients

Relative Standard Deviation: 6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.086528	10.0	2130985.0	0.43264	Y
2	IC 410-617959/15	0.5	0.24417	10.0	1902526.0	0.48834	Y
3	IC 410-617959/16	1.0	0.456247	10.0	2216451.0	0.456247	Y
4	IC 410-617959/17	2.0	1.003824	10.0	1948679.0	0.501912	Y
5	IC 410-617959/18	5.0	2.262465	10.0	2375608.0	0.452493	Y
6	ICIS 410-617959/19	10.0	4.215836	10.0	2528151.0	0.421584	Y
7	IC 410-617959/20	25.0	11.062141	10.0	2691008.0	0.442486	Y



Calibration

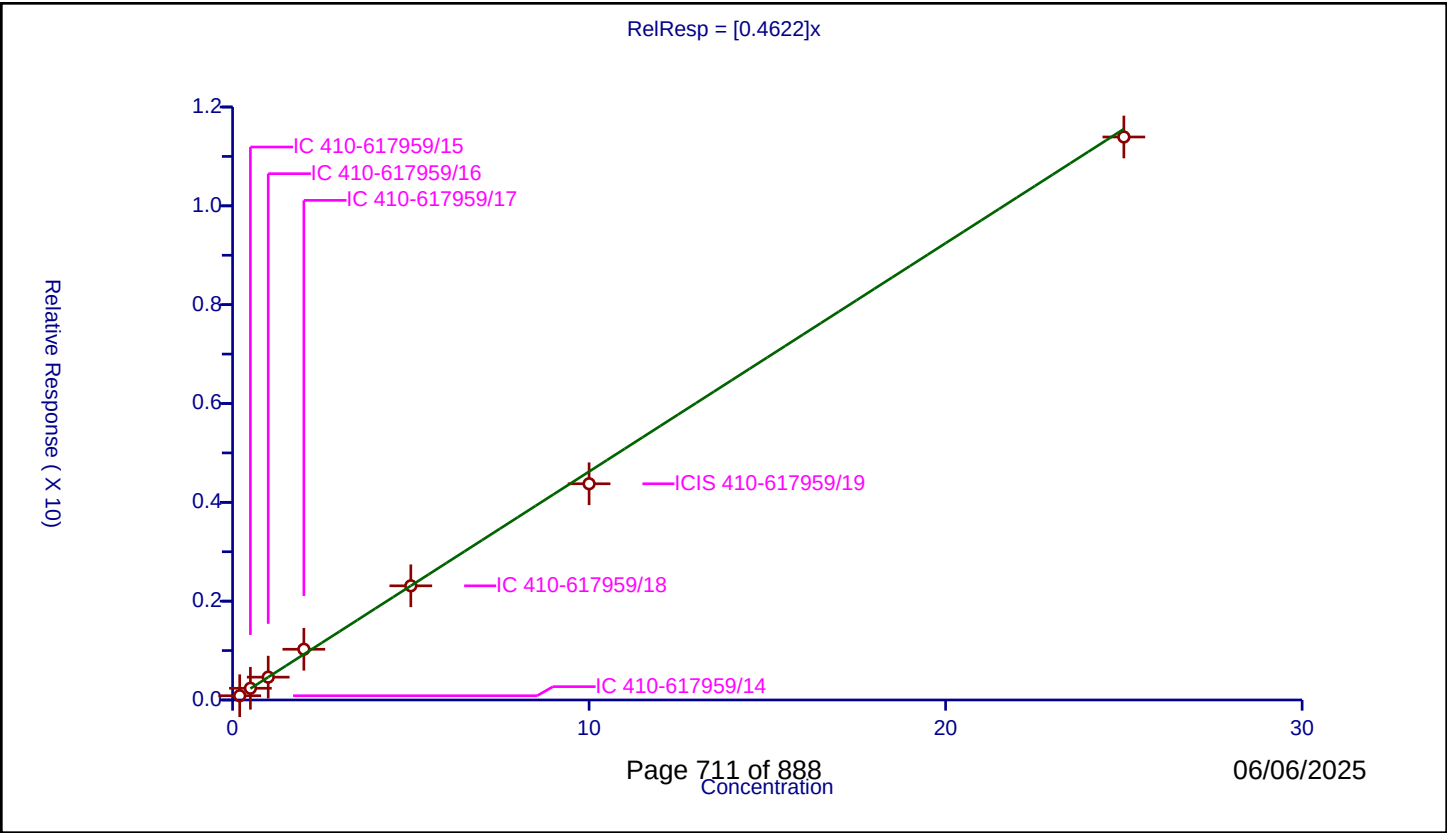
/ 1,1-Dichloropropene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4622
Error Coefficients	

Relative Standard Deviation: 5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.085946	10.0	2130985.0	0.429731	Y
2	IC 410-617959/15	0.5	0.237363	10.0	1902526.0	0.474727	Y
3	IC 410-617959/16	1.0	0.462388	10.0	2216451.0	0.462388	Y
4	IC 410-617959/17	2.0	1.026593	10.0	1948679.0	0.513296	Y
5	IC 410-617959/18	5.0	2.310343	10.0	2375608.0	0.462069	Y
6	ICIS 410-617959/19	10.0	4.375815	10.0	2528151.0	0.437581	Y
7	IC 410-617959/20	25.0	11.393519	10.0	2691008.0	0.455741	Y



Calibration

/ Isobutyl alcohol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

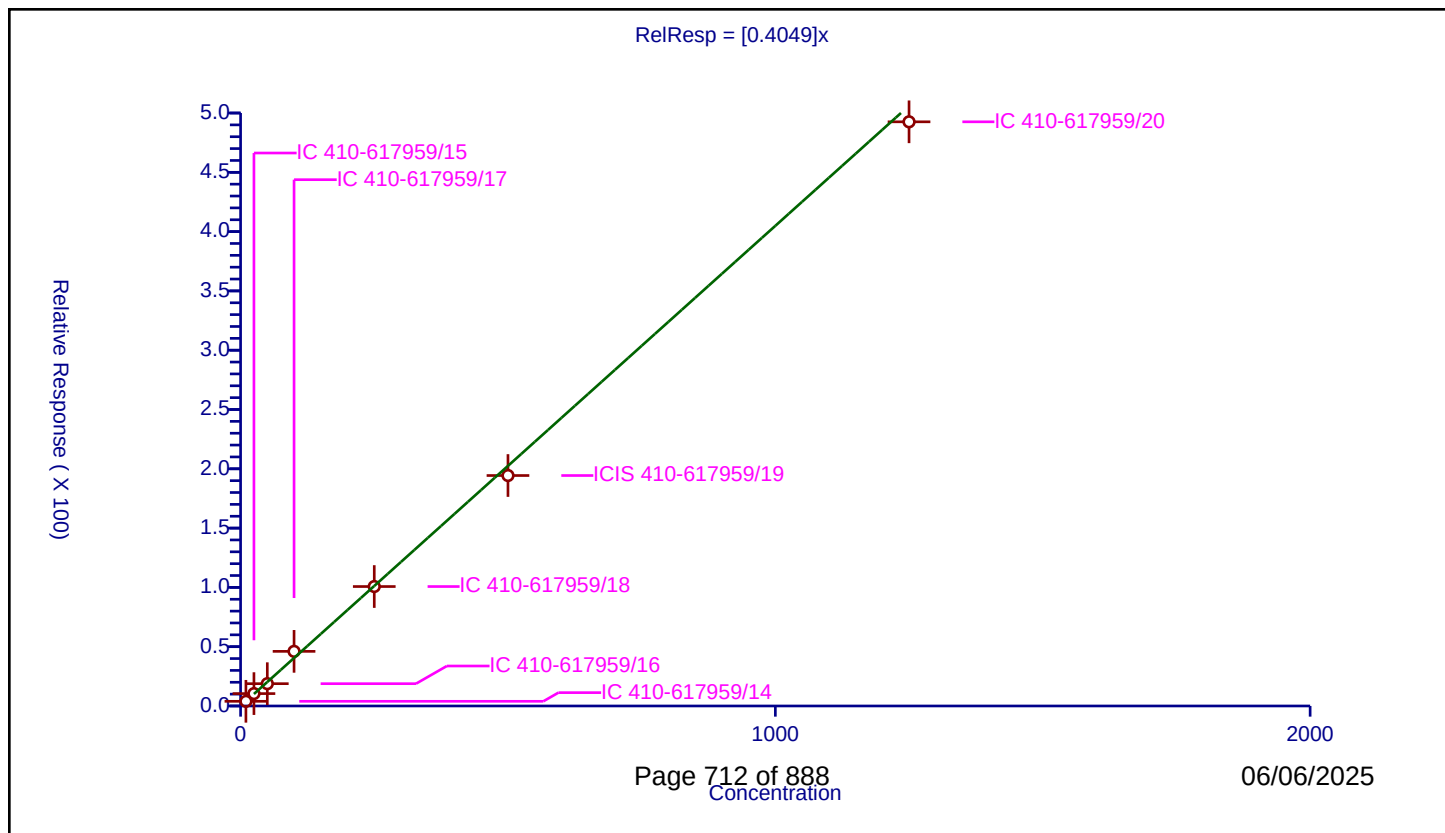
Curve Coefficients

Intercept: 0
 Slope: 0.4049

Error Coefficients

Relative Standard Deviation: 6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	10.0	3.941716	50.0	173186.0	0.394172	Y
2	IC 410-617959/15	25.0	10.445372	50.0	150234.0	0.417815	Y
3	IC 410-617959/16	50.0	18.798922	50.0	176683.0	0.375978	Y
4	IC 410-617959/17	100.0	46.063871	50.0	155813.0	0.460639	Y
5	IC 410-617959/18	250.0	100.734971	50.0	177762.0	0.40294	Y
6	ICIS 410-617959/19	500.0	194.330074	50.0	197604.0	0.38866	Y
7	IC 410-617959/20	1250.0	492.578261	50.0	216169.0	0.394063	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

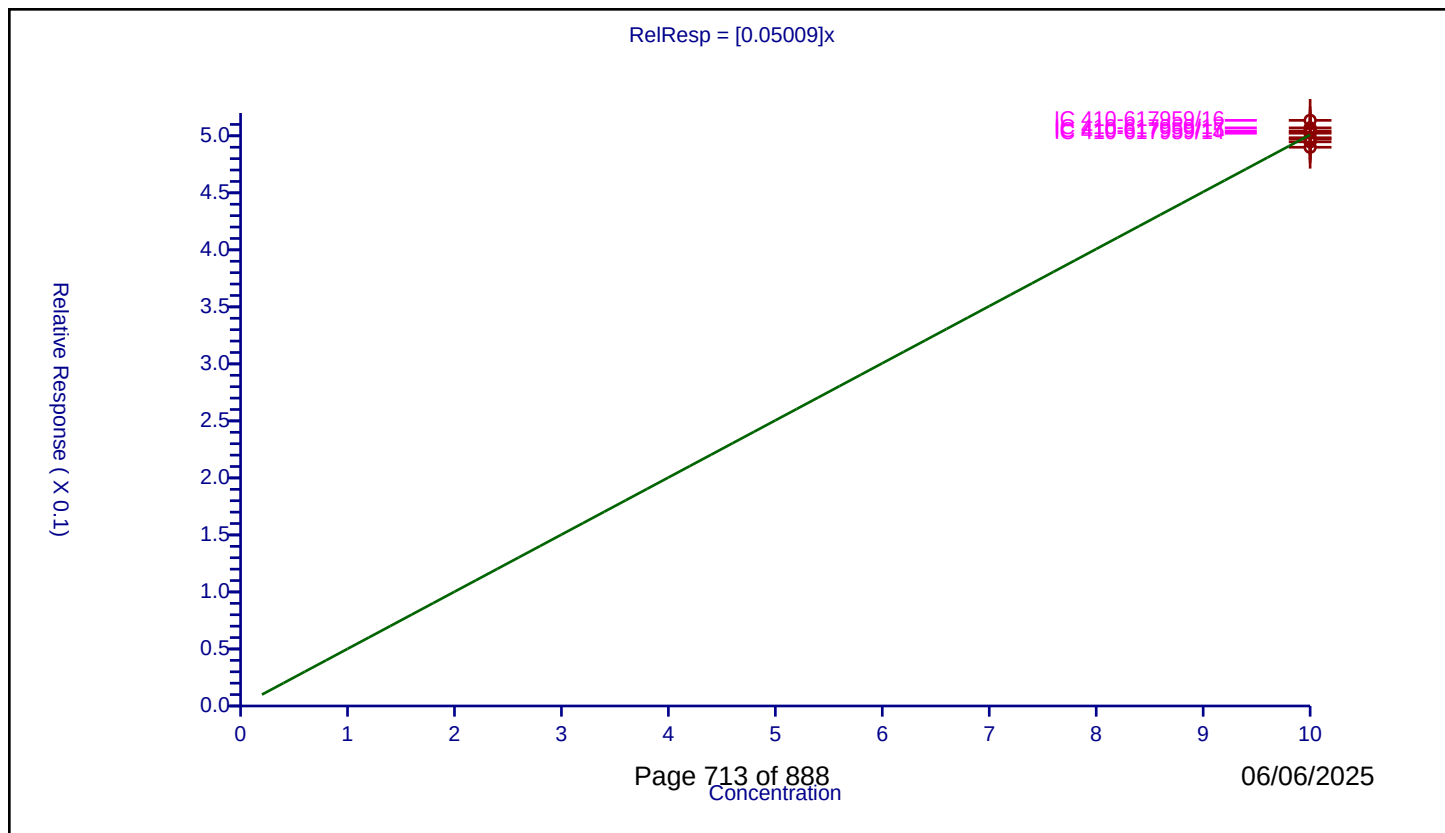
Curve Coefficients

Intercept: 0
Slope: 0.05009

Error Coefficients

Relative Standard Deviation: 1.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/13	10.0	0.498354	10.0	1835182.0	0.049835	Y
2	IC 410-617959/14	10.0	0.502275	10.0	2130985.0	0.050227	Y
3	IC 410-617959/15	10.0	0.504167	10.0	1902526.0	0.050417	Y
4	IC 410-617959/16	10.0	0.513573	10.0	2216451.0	0.051357	Y
5	IC 410-617959/17	10.0	0.506979	10.0	1948679.0	0.050698	Y
6	IC 410-617959/18	10.0	0.497224	10.0	2375608.0	0.049722	Y
7	ICIS 410-617959/19	10.0	0.494721	10.0	2528151.0	0.049472	Y
8	IC 410-617959/20	10.0	0.489965	10.0	2691008.0	0.048997	Y



Calibration

/ Benzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

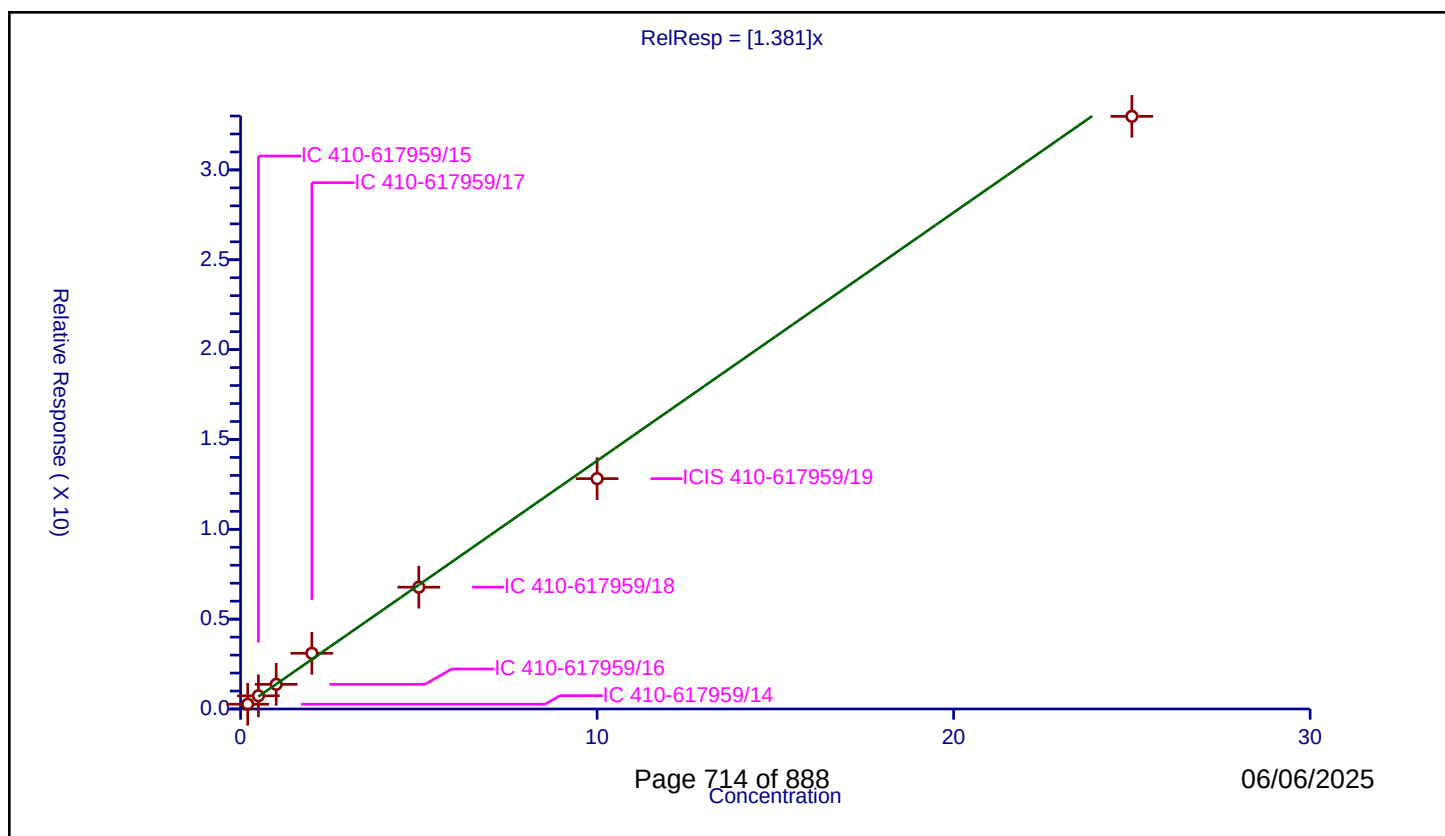
Curve Coefficients

Intercept: 0
Slope: 1.381

Error Coefficients

Relative Standard Deviation: 6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.264953	10.0	2130985.0	1.324763	Y
2	IC 410-617959/15	0.5	0.732784	10.0	1902526.0	1.465567	Y
3	IC 410-617959/16	1.0	1.37241	10.0	2216451.0	1.37241	Y
4	IC 410-617959/17	2.0	3.100141	10.0	1948679.0	1.550071	Y
5	IC 410-617959/18	5.0	6.778644	10.0	2375608.0	1.355729	Y
6	ICIS 410-617959/19	10.0	12.820207	10.0	2528151.0	1.282021	Y
7	IC 410-617959/20	25.0	32.979999	10.0	2691008.0	1.3192	Y



Calibration

/ 1,2-Dichloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

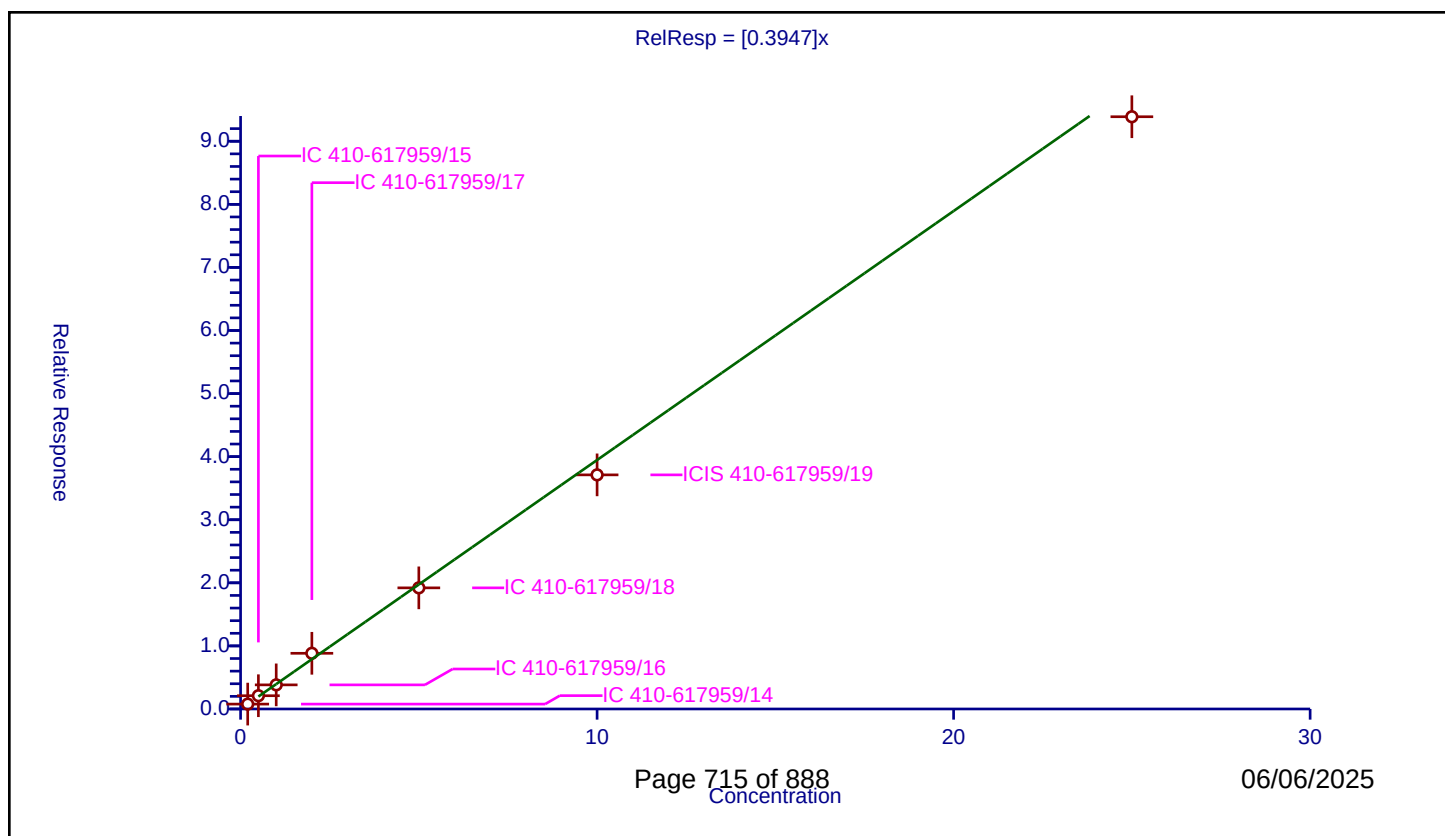
Curve Coefficients

Intercept: 0
Slope: 0.3947

Error Coefficients

Relative Standard Deviation: 6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.077617	10.0	2130985.0	0.388083	Y
2	IC 410-617959/15	0.5	0.210252	10.0	1902526.0	0.420504	Y
3	IC 410-617959/16	1.0	0.382179	10.0	2216451.0	0.382179	Y
4	IC 410-617959/17	2.0	0.882824	10.0	1948679.0	0.441412	Y
5	IC 410-617959/18	5.0	1.92035	10.0	2375608.0	0.38407	Y
6	ICIS 410-617959/19	10.0	3.711214	10.0	2528151.0	0.371121	Y
7	IC 410-617959/20	25.0	9.38837	10.0	2691008.0	0.375535	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

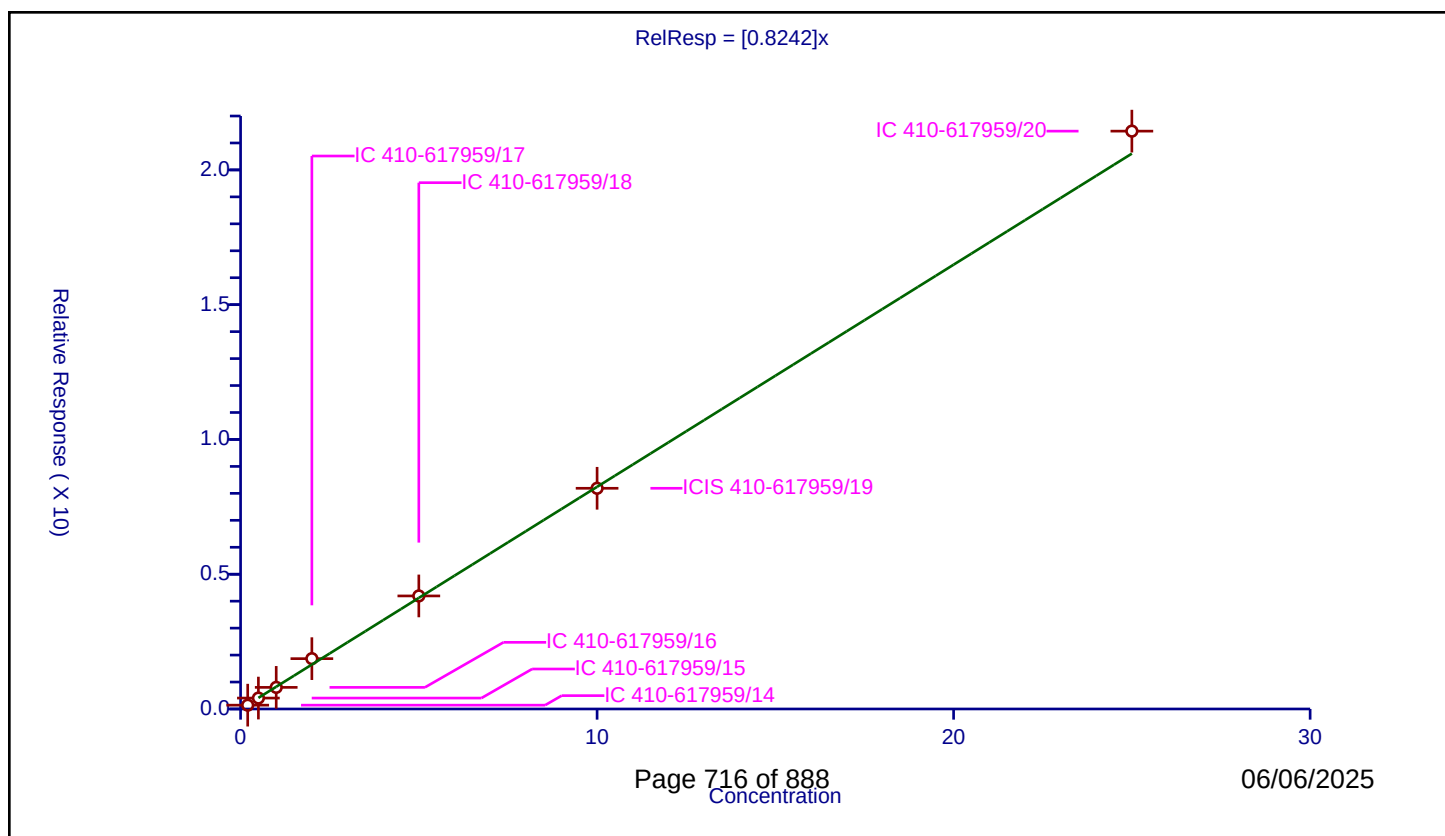
Curve Coefficients

Intercept: 0
Slope: 0.8242

Error Coefficients

Relative Standard Deviation: 8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.141639	10.0	2130985.0	0.708194	Y
2	IC 410-617959/15	0.5	0.405209	10.0	1902526.0	0.810417	Y
3	IC 410-617959/16	1.0	0.801764	10.0	2216451.0	0.801764	Y
4	IC 410-617959/17	2.0	1.867552	10.0	1948679.0	0.933776	Y
5	IC 410-617959/18	5.0	4.194551	10.0	2375608.0	0.83891	Y
6	ICIS 410-617959/19	10.0	8.188767	10.0	2528151.0	0.818877	Y
7	IC 410-617959/20	25.0	21.438617	10.0	2691008.0	0.857545	Y



Calibration

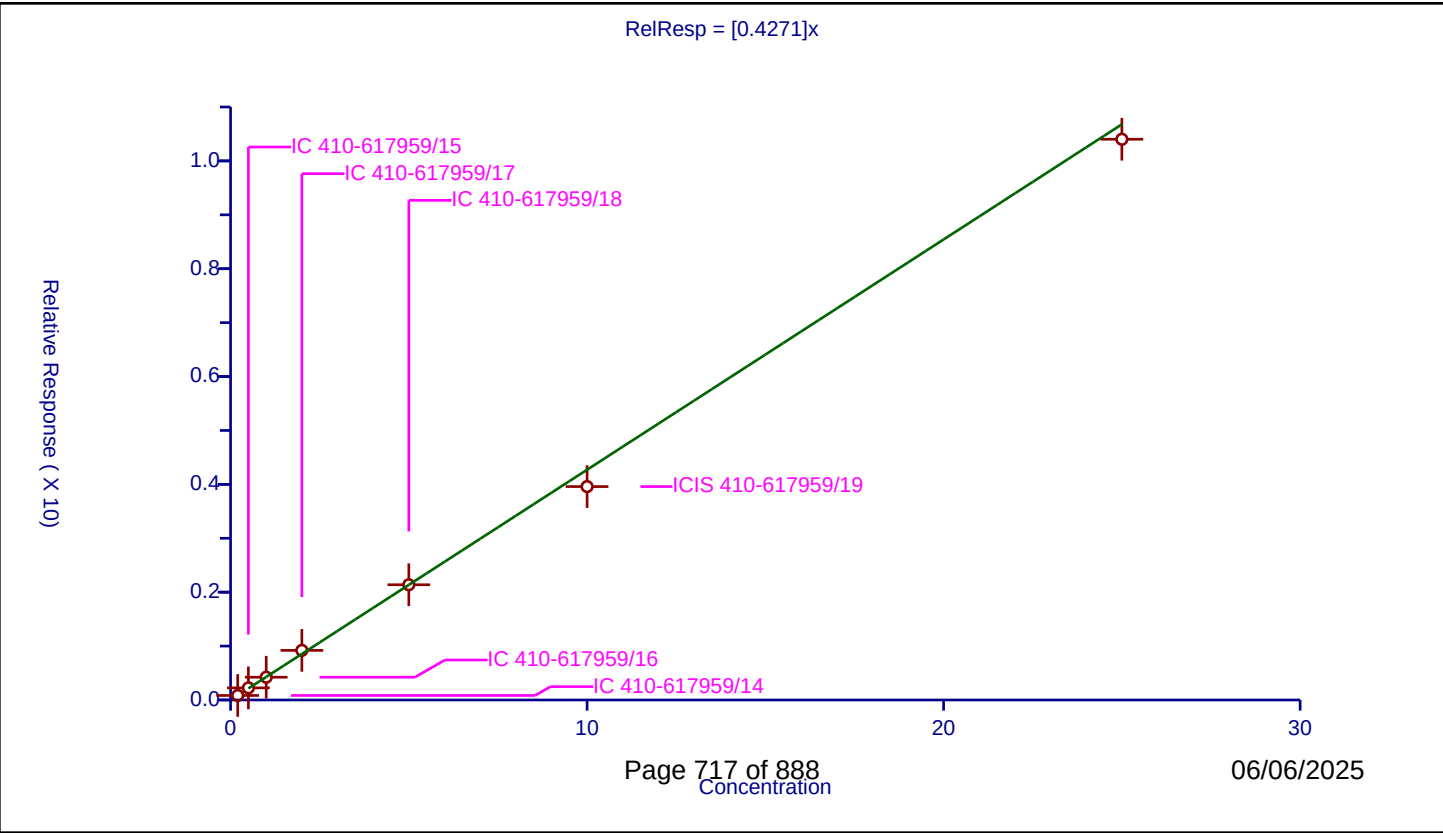
/ n-Heptane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4271
Error Coefficients	

Relative Standard Deviation: 5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.083694	10.0	2130985.0	0.418468	Y
2	IC 410-617959/15	0.5	0.224722	10.0	1902526.0	0.449445	Y
3	IC 410-617959/16	1.0	0.422378	10.0	2216451.0	0.422378	Y
4	IC 410-617959/17	2.0	0.920449	10.0	1948679.0	0.460225	Y
5	IC 410-617959/18	5.0	2.137579	10.0	2375608.0	0.427516	Y
6	ICIS 410-617959/19	10.0	3.958652	10.0	2528151.0	0.395865	Y
7	IC 410-617959/20	25.0	10.401738	10.0	2691008.0	0.41607	Y



Calibration

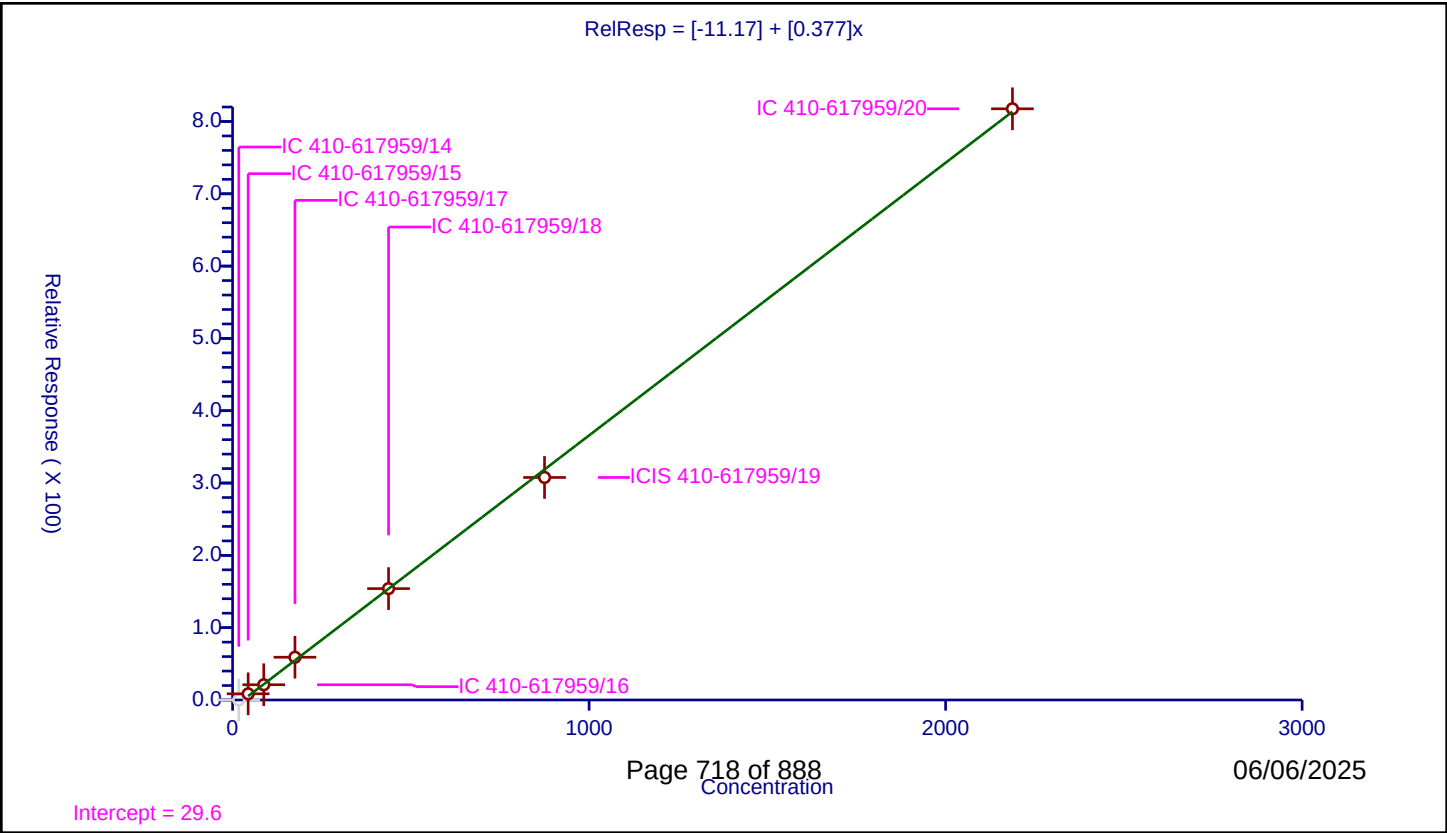
/ n-Butanol

Curve Type: Linear
Weighting: None
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	-11.17
Slope:	0.377
Error Coefficients	

Relative Standard Deviation: 10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	17.5	0.0	50.0	173186.0	0.0	N
2	IC 410-617959/15	43.75	8.523703	50.0	150234.0	0.194827	Y
3	IC 410-617959/16	87.5	21.072769	50.0	176683.0	0.240832	Y
4	IC 410-617959/17	175.0	59.141728	50.0	155813.0	0.337953	Y
5	IC 410-617959/18	437.5	154.013231	50.0	177762.0	0.35203	Y
6	ICIS 410-617959/19	875.0	307.723781	50.0	197604.0	0.351684	Y
7	IC 410-617959/20	2187.5	817.537899	50.0	216169.0	0.373732	Y



Calibration

/ Trichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

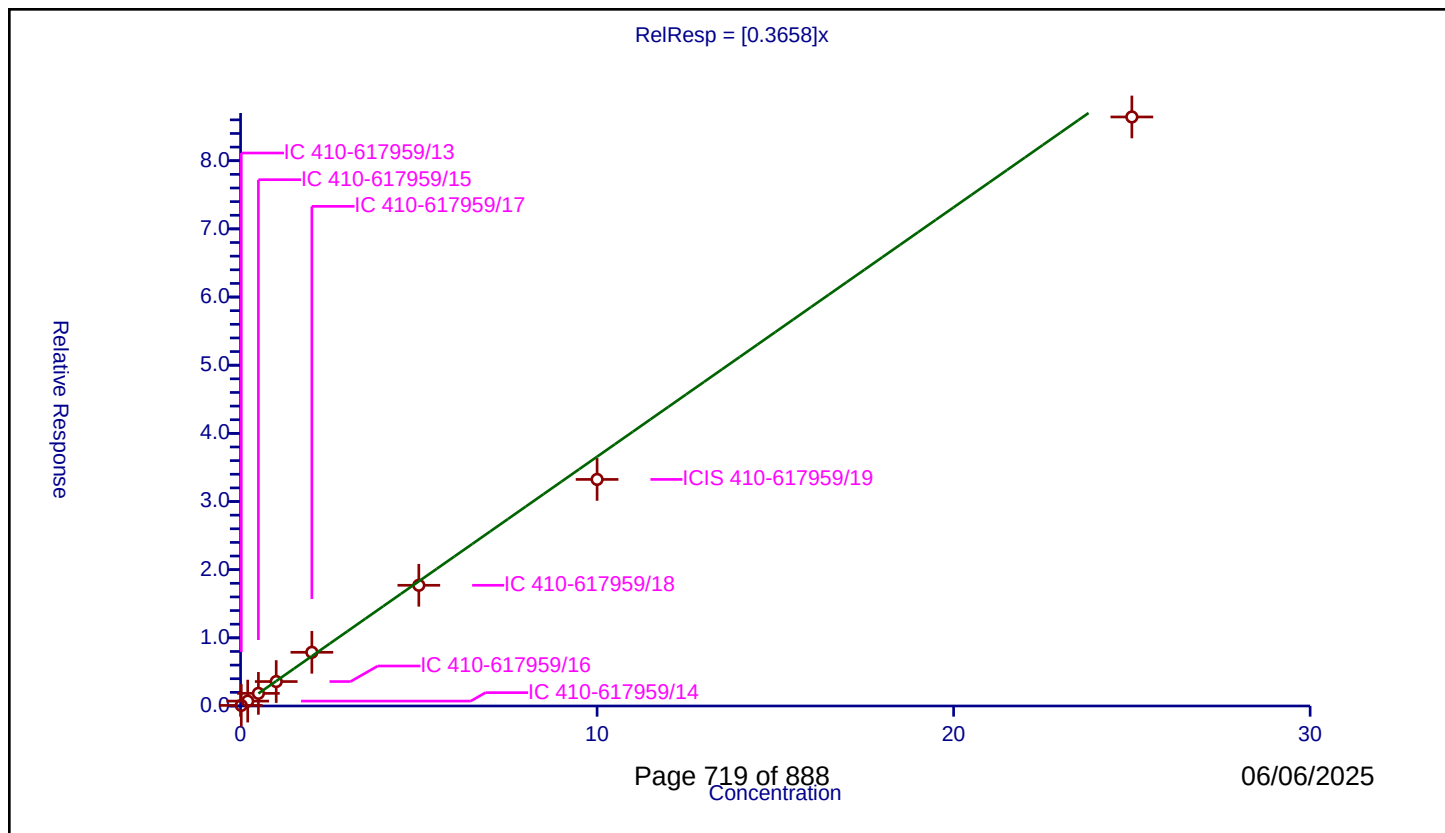
Curve Coefficients

Intercept: 0
Slope: 0.3658

Error Coefficients

Relative Standard Deviation: 7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/13	0.02	0.00825	10.0	1835182.0	0.412493	Y
2	IC 410-617959/14	0.2	0.071662	10.0	2130985.0	0.358308	Y
3	IC 410-617959/15	0.5	0.185406	10.0	1902526.0	0.370812	Y
4	IC 410-617959/16	1.0	0.358397	10.0	2216451.0	0.358397	Y
5	IC 410-617959/17	2.0	0.787816	10.0	1948679.0	0.393908	Y
6	IC 410-617959/18	5.0	1.770886	10.0	2375608.0	0.354177	Y
7	ICIS 410-617959/19	10.0	3.324216	10.0	2528151.0	0.332422	Y
8	IC 410-617959/20	25.0	8.642282	10.0	2691008.0	0.345691	Y



Calibration

/ Methylcyclohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

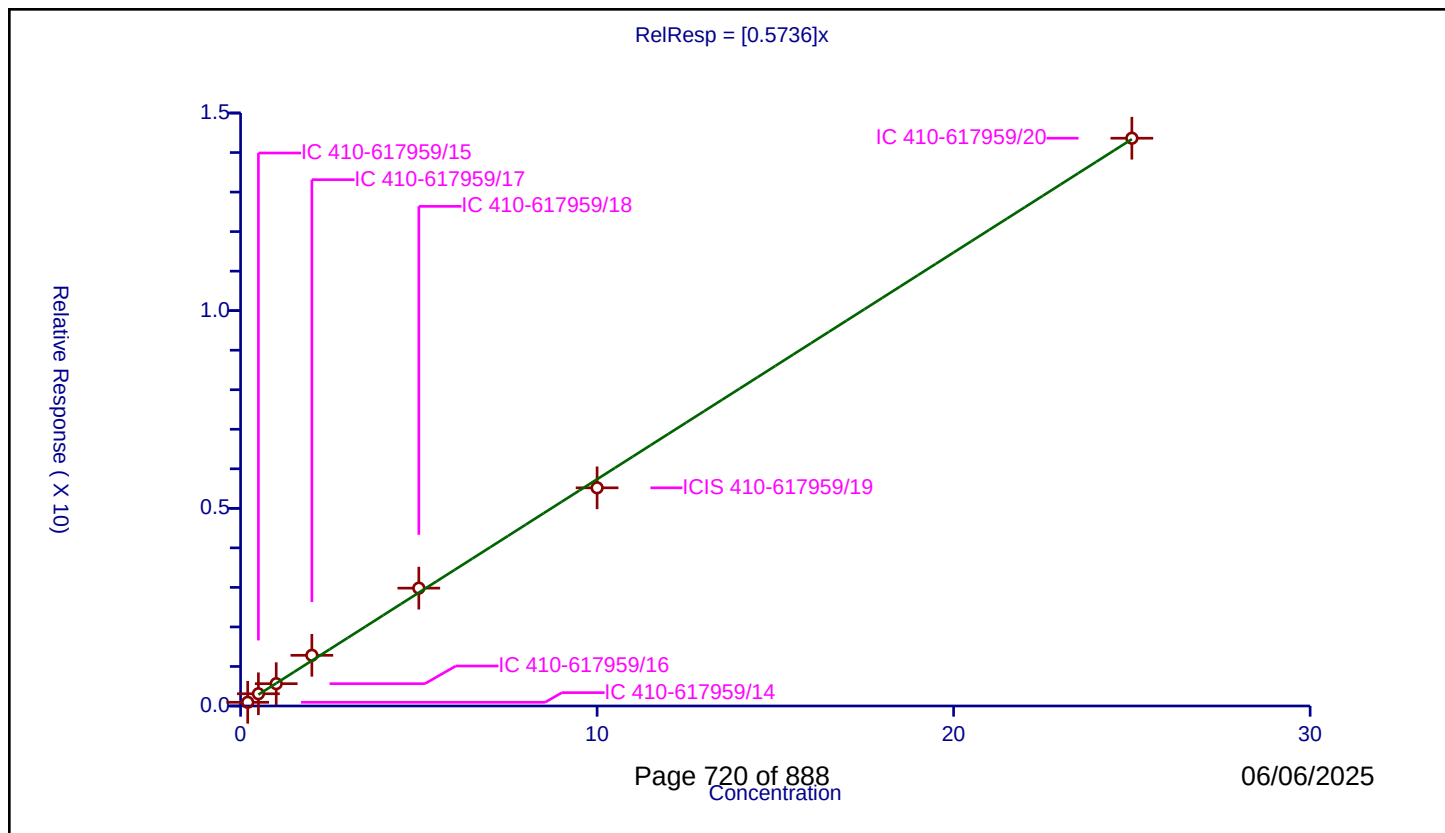
Curve Coefficients

Intercept: 0
Slope: 0.5736

Error Coefficients

Relative Standard Deviation: 9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.093741	10.0	2130985.0	0.468703	Y
2	IC 410-617959/15	0.5	0.309336	10.0	1902526.0	0.618672	Y
3	IC 410-617959/16	1.0	0.564077	10.0	2216451.0	0.564077	Y
4	IC 410-617959/17	2.0	1.281761	10.0	1948679.0	0.64088	Y
5	IC 410-617959/18	5.0	2.980951	10.0	2375608.0	0.59619	Y
6	ICIS 410-617959/19	10.0	5.519006	10.0	2528151.0	0.551901	Y
7	IC 410-617959/20	25.0	14.362232	10.0	2691008.0	0.574489	Y



Calibration

/ 1,2-Dichloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

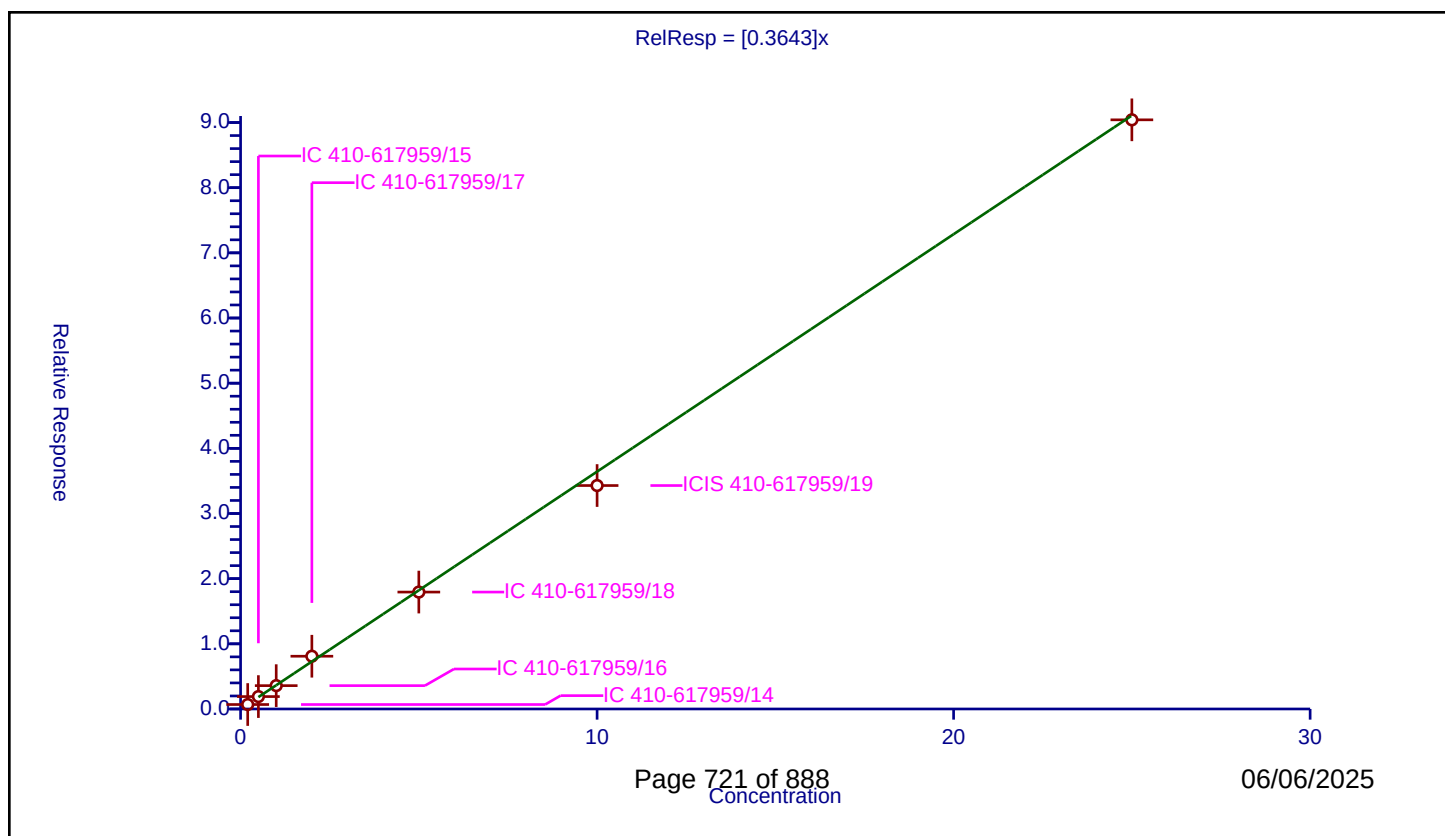
Curve Coefficients

Intercept: 0
 Slope: 0.3643

Error Coefficients

Relative Standard Deviation: 6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.068499	10.0	2130985.0	0.342494	Y
2	IC 410-617959/15	0.5	0.19051	10.0	1902526.0	0.38102	Y
3	IC 410-617959/16	1.0	0.358271	10.0	2216451.0	0.358271	Y
4	IC 410-617959/17	2.0	0.80961	10.0	1948679.0	0.404805	Y
5	IC 410-617959/18	5.0	1.794332	10.0	2375608.0	0.358866	Y
6	ICIS 410-617959/19	10.0	3.429293	10.0	2528151.0	0.342929	Y
7	IC 410-617959/20	25.0	9.041348	10.0	2691008.0	0.361654	Y



Calibration

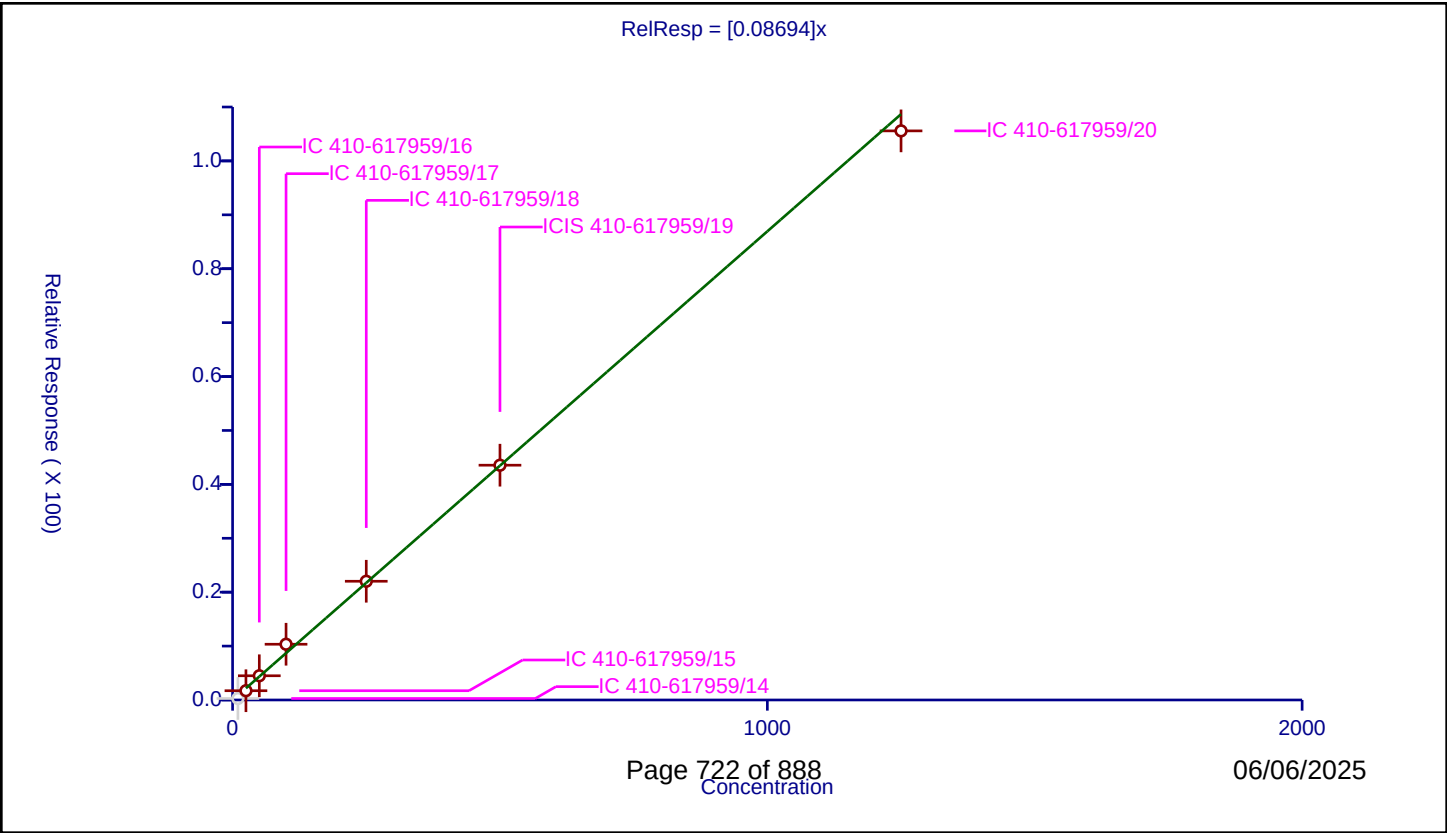
/ 1,4-Dioxane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.08694
Error Coefficients	

Relative Standard Deviation: 12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	10.0	0.281778	50.0	173186.0	0.028178	N
2	IC 410-617959/15	25.0	1.716655	50.0	150234.0	0.068666	Y
3	IC 410-617959/16	50.0	4.492792	50.0	176683.0	0.089856	Y
4	IC 410-617959/17	100.0	10.343168	50.0	155813.0	0.103432	Y
5	IC 410-617959/18	250.0	22.024111	50.0	177762.0	0.088096	Y
6	ICIS 410-617959/19	500.0	43.556051	50.0	197604.0	0.087112	Y
7	IC 410-617959/20	1250.0	105.572261	50.0	216169.0	0.084458	Y



Calibration

/ Methyl methacrylate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

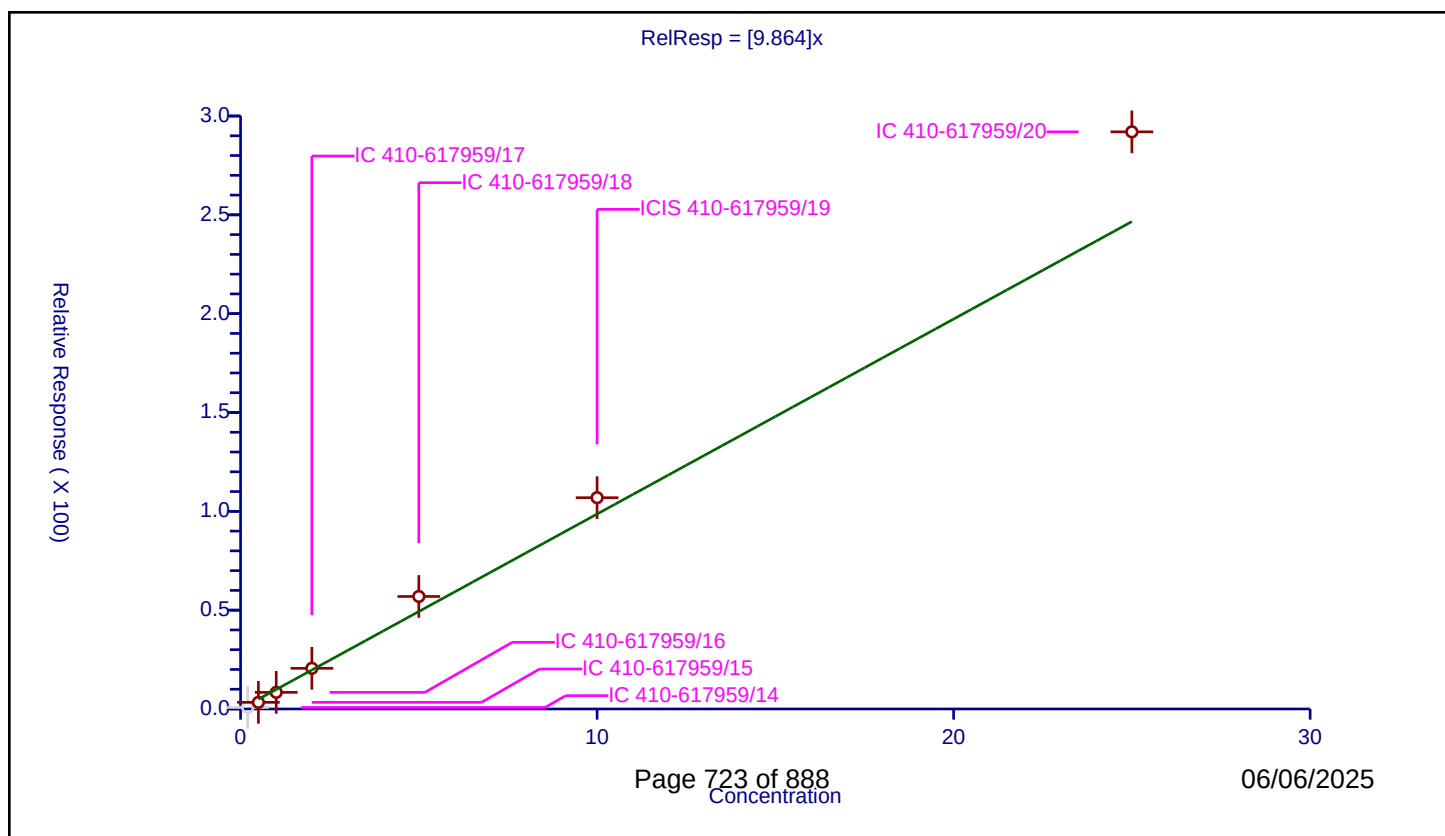
Curve Coefficients

Intercept: 0
Slope: 9.864

Error Coefficients

Relative Standard Deviation: 19.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.771714	50.0	173186.0	3.858568	N
2	IC 410-617959/15	0.5	3.360092	50.0	150234.0	6.720183	Y
3	IC 410-617959/16	1.0	8.417901	50.0	176683.0	8.417901	Y
4	IC 410-617959/17	2.0	20.580118	50.0	155813.0	10.290059	Y
5	IC 410-617959/18	5.0	56.928646	50.0	177762.0	11.385729	Y
6	ICIS 410-617959/19	10.0	106.894597	50.0	197604.0	10.68946	Y
7	IC 410-617959/20	25.0	291.993302	50.0	216169.0	11.679732	Y



Calibration

/ Dibromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

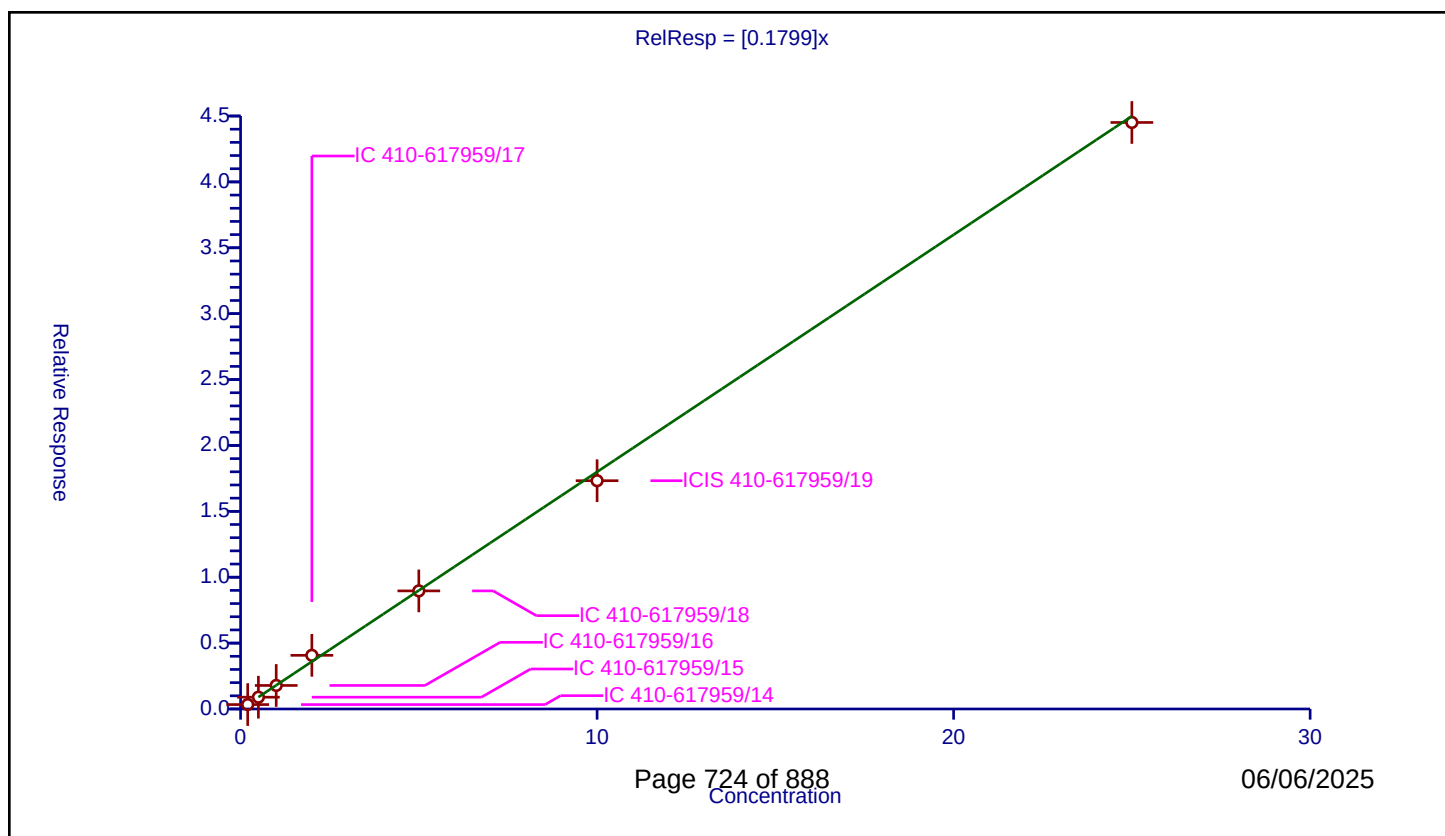
Curve Coefficients

Intercept: 0
Slope: 0.1799

Error Coefficients

Relative Standard Deviation: 6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.033548	10.0	2130985.0	0.167739	Y
2	IC 410-617959/15	0.5	0.089555	10.0	1902526.0	0.179109	Y
3	IC 410-617959/16	1.0	0.178628	10.0	2216451.0	0.178628	Y
4	IC 410-617959/17	2.0	0.407168	10.0	1948679.0	0.203584	Y
5	IC 410-617959/18	5.0	0.896293	10.0	2375608.0	0.179259	Y
6	ICIS 410-617959/19	10.0	1.73242	10.0	2528151.0	0.173242	Y
7	IC 410-617959/20	25.0	4.45109	10.0	2691008.0	0.178044	Y



Calibration

/ Dichlorobromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

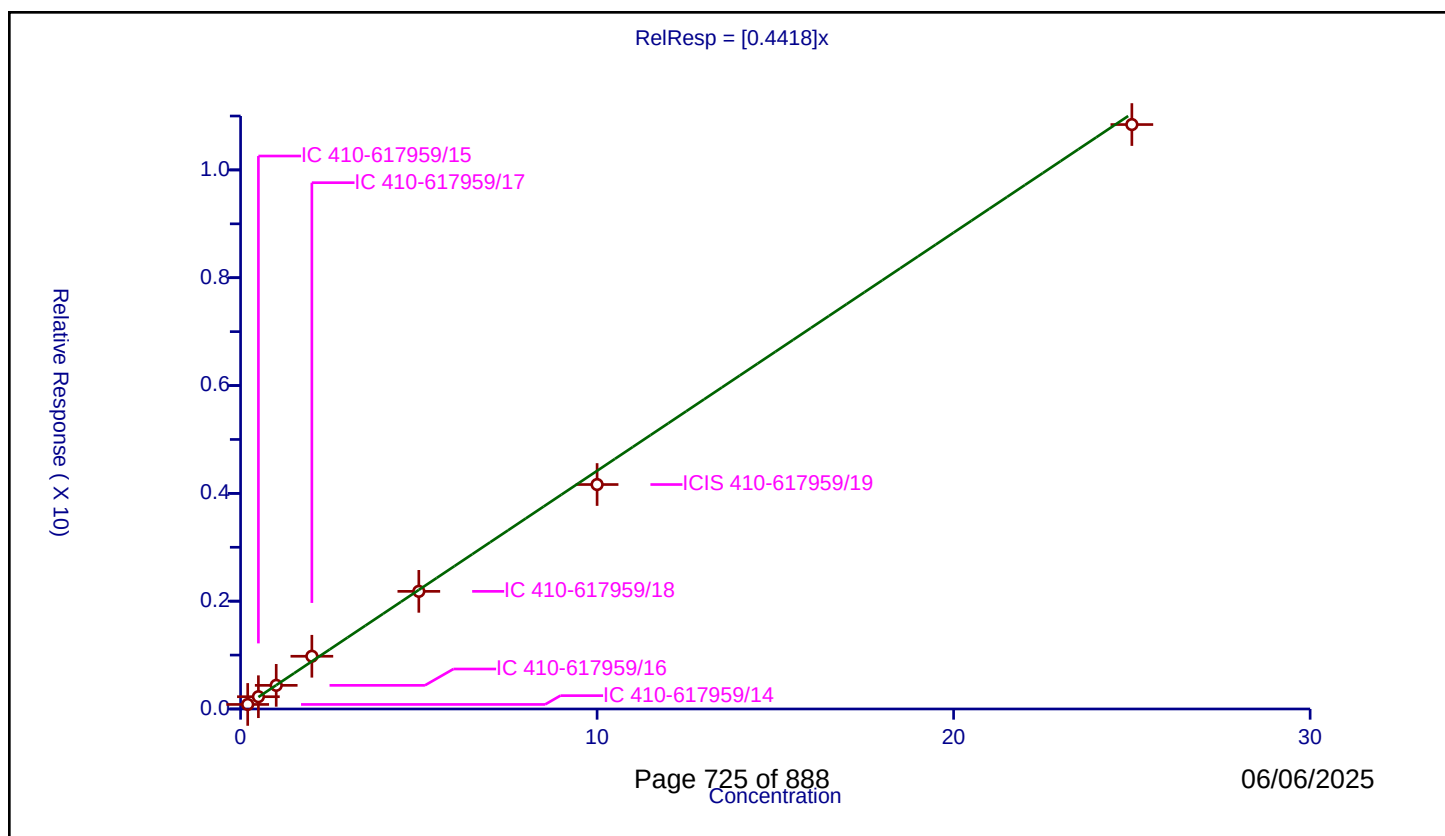
Curve Coefficients

Intercept: 0
Slope: 0.4418

Error Coefficients

Relative Standard Deviation: 5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.084463	10.0	2130985.0	0.422316	Y
2	IC 410-617959/15	0.5	0.228007	10.0	1902526.0	0.456015	Y
3	IC 410-617959/16	1.0	0.43871	10.0	2216451.0	0.43871	Y
4	IC 410-617959/17	2.0	0.978396	10.0	1948679.0	0.489198	Y
5	IC 410-617959/18	5.0	2.182511	10.0	2375608.0	0.436502	Y
6	ICIS 410-617959/19	10.0	4.163845	10.0	2528151.0	0.416385	Y
7	IC 410-617959/20	25.0	10.841662	10.0	2691008.0	0.433666	Y



Calibration

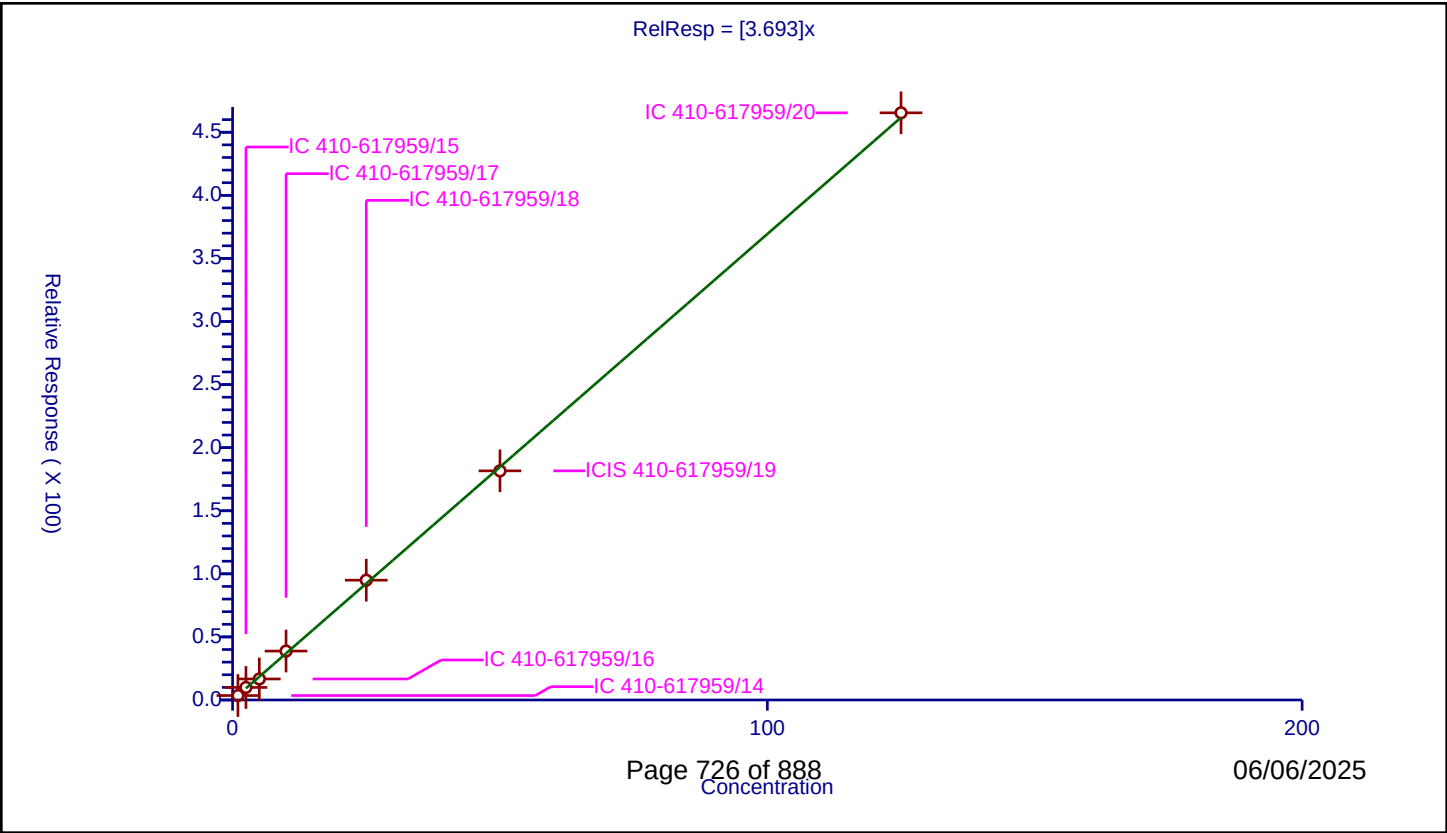
/ 2-Nitropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	3.693
Error Coefficients	

Relative Standard Deviation: 6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	1.0	3.511254	50.0	173186.0	3.511254	Y
2	IC 410-617959/15	2.5	9.945818	50.0	150234.0	3.978327	Y
3	IC 410-617959/16	5.0	16.669968	50.0	176683.0	3.333994	Y
4	IC 410-617959/17	10.0	38.771797	50.0	155813.0	3.87718	Y
5	IC 410-617959/18	25.0	94.949708	50.0	177762.0	3.797988	Y
6	ICIS 410-617959/19	50.0	181.618287	50.0	197604.0	3.632366	Y
7	IC 410-617959/20	125.0	465.393049	50.0	216169.0	3.723144	Y



Calibration

/ 1-Bromo-2-chloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

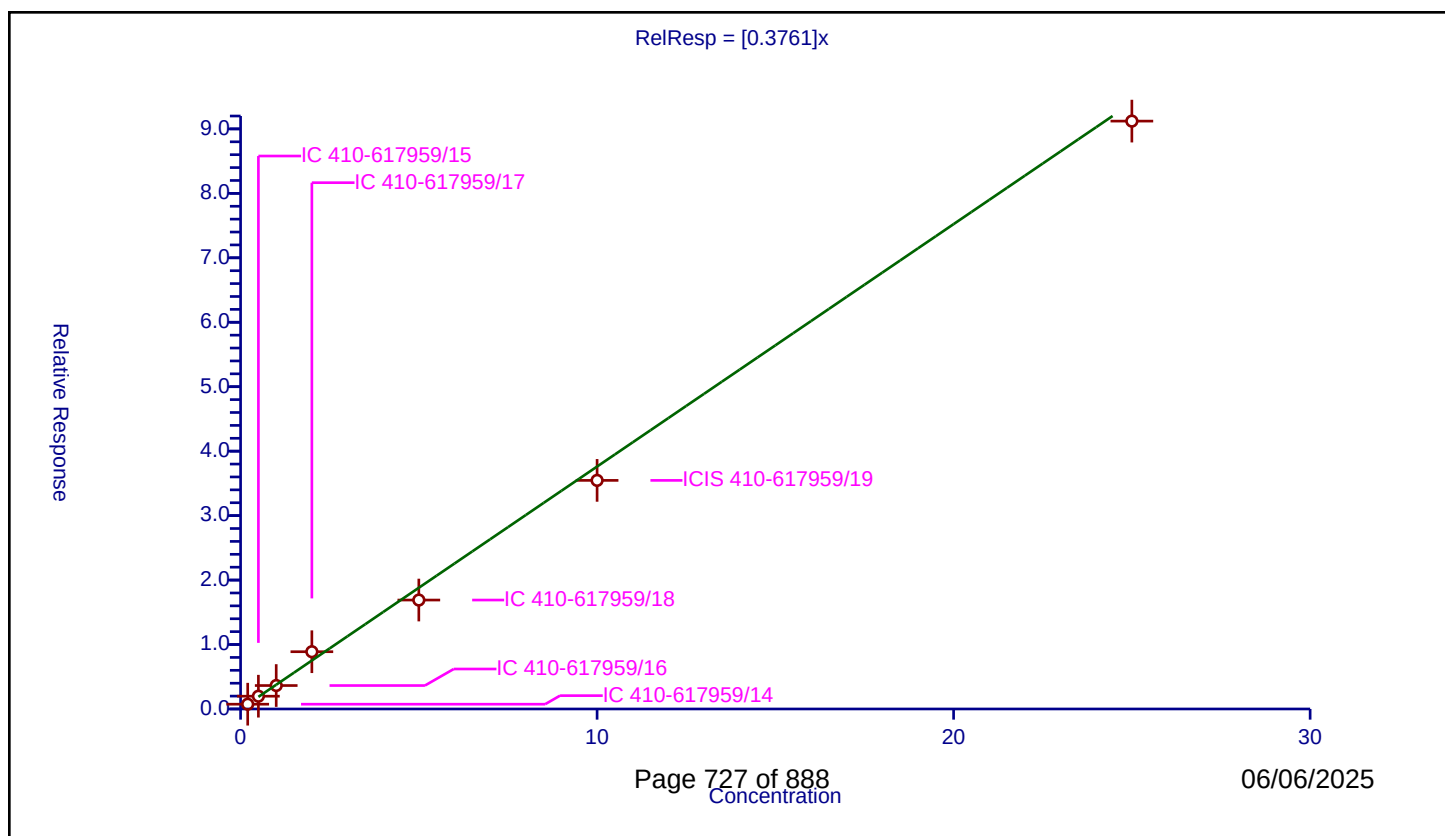
Curve Coefficients

Intercept: 0
Slope: 0.3761

Error Coefficients

Relative Standard Deviation: 9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.074121	10.0	2130985.0	0.370603	Y
2	IC 410-617959/15	0.5	0.198284	10.0	1902526.0	0.396568	Y
3	IC 410-617959/16	1.0	0.364046	10.0	2216451.0	0.364046	Y
4	IC 410-617959/17	2.0	0.88833	10.0	1948679.0	0.444165	Y
5	IC 410-617959/18	5.0	1.690283	10.0	2375608.0	0.338057	Y
6	ICIS 410-617959/19	10.0	3.546774	10.0	2528151.0	0.354677	Y
7	IC 410-617959/20	25.0	9.120798	10.0	2691008.0	0.364832	Y



Calibration

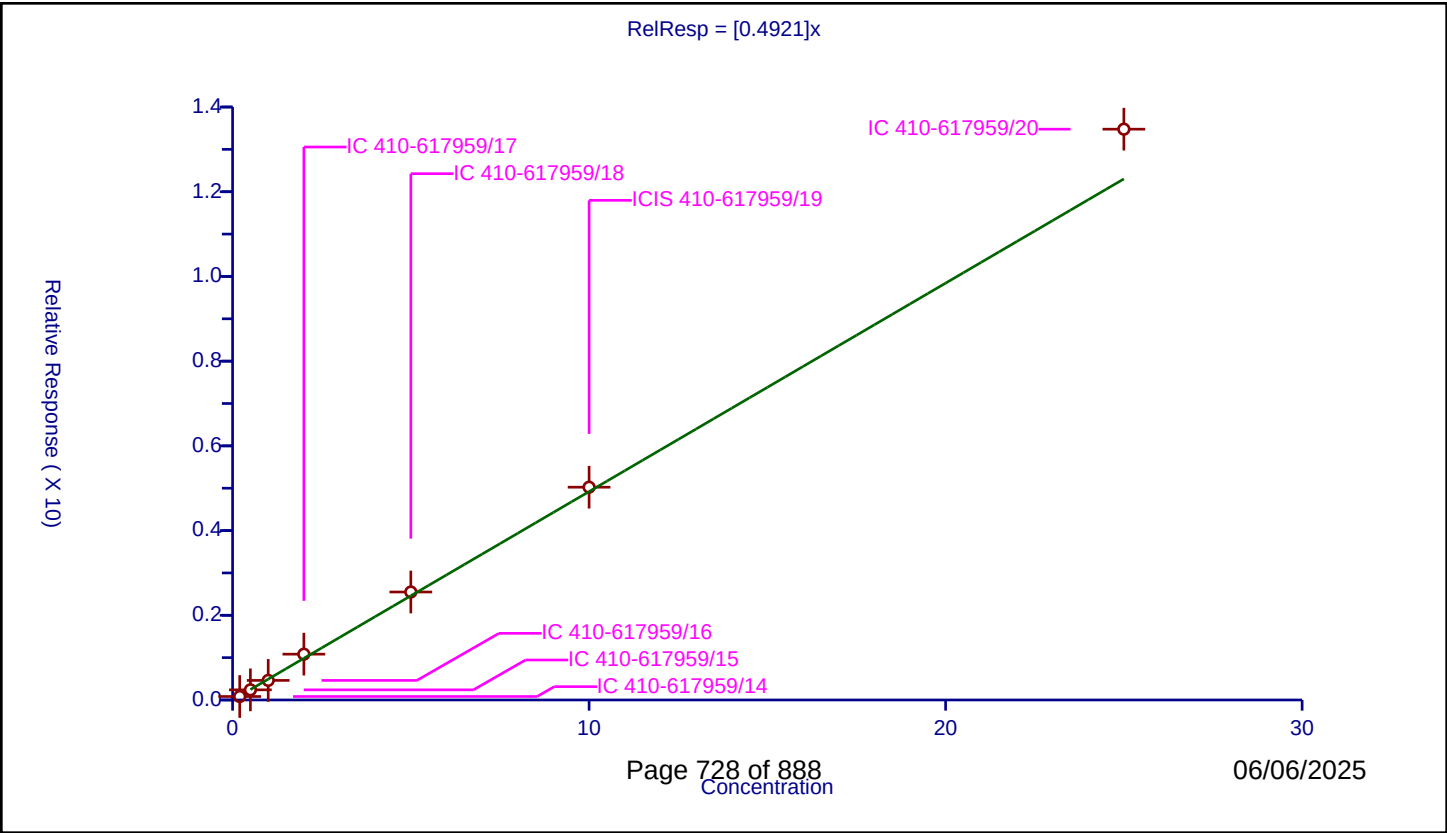
/ cis-1,3-Dichloropropene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4921
Error Coefficients	

Relative Standard Deviation: 9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.08222	10.0	2130985.0	0.411101	Y
2	IC 410-617959/15	0.5	0.239361	10.0	1902526.0	0.478721	Y
3	IC 410-617959/16	1.0	0.462609	10.0	2216451.0	0.462609	Y
4	IC 410-617959/17	2.0	1.081712	10.0	1948679.0	0.540856	Y
5	IC 410-617959/18	5.0	2.549238	10.0	2375608.0	0.509848	Y
6	ICIS 410-617959/19	10.0	5.023996	10.0	2528151.0	0.5024	Y
7	IC 410-617959/20	25.0	13.476954	10.0	2691008.0	0.539078	Y



Calibration

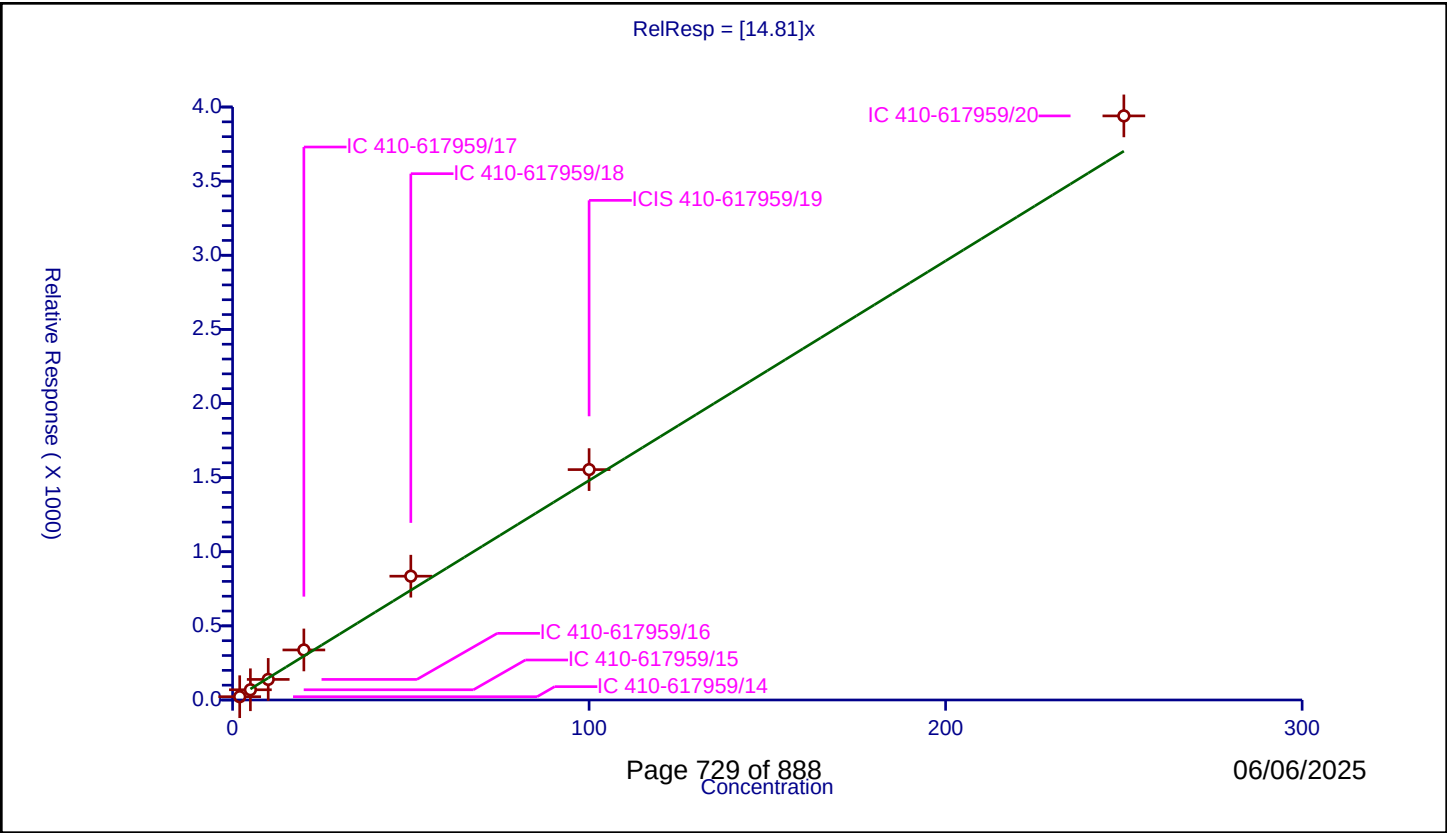
/ 4-Methyl-2-pentanone (MIBK)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	14.81
Error Coefficients	

Relative Standard Deviation: 13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	2.0	22.201564	50.0	173186.0	11.100782	Y
2	IC 410-617959/15	5.0	69.032975	50.0	150234.0	13.806595	Y
3	IC 410-617959/16	10.0	138.809902	50.0	176683.0	13.88099	Y
4	IC 410-617959/17	20.0	337.483714	50.0	155813.0	16.874186	Y
5	IC 410-617959/18	50.0	835.069925	50.0	177762.0	16.701398	Y
6	ICIS 410-617959/19	100.0	1554.115048	50.0	197604.0	15.54115	Y
7	IC 410-617959/20	250.0	3940.021465	50.0	216169.0	15.760086	Y



Calibration

/ Toluene-d8 (Surr)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

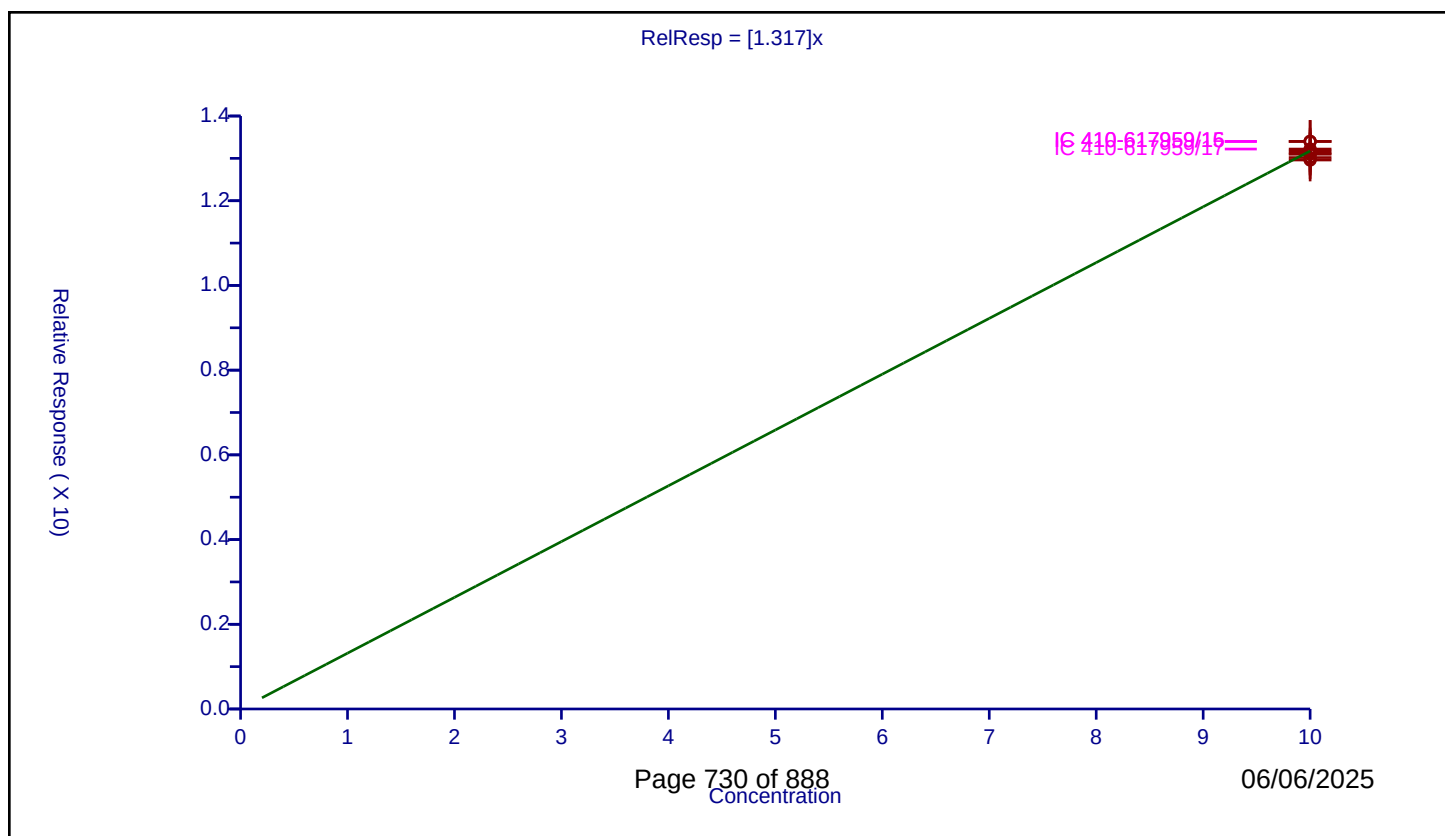
Curve Coefficients

Intercept: 0
Slope: 1.317

Error Coefficients

Relative Standard Deviation: 1.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/13	10.0	12.961162	10.0	1390900.0	1.296116	Y
2	IC 410-617959/14	10.0	13.096907	10.0	1591685.0	1.309691	Y
3	IC 410-617959/15	10.0	13.401368	10.0	1402824.0	1.340137	Y
4	IC 410-617959/16	10.0	13.398749	10.0	1645732.0	1.339875	Y
5	IC 410-617959/17	10.0	13.220237	10.0	1459225.0	1.322024	Y
6	IC 410-617959/18	10.0	13.12233	10.0	1785596.0	1.312233	Y
7	ICIS 410-617959/19	10.0	13.173897	10.0	1899624.0	1.31739	Y
8	IC 410-617959/20	10.0	13.018994	10.0	2048855.0	1.301899	Y



Calibration

/ Toluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

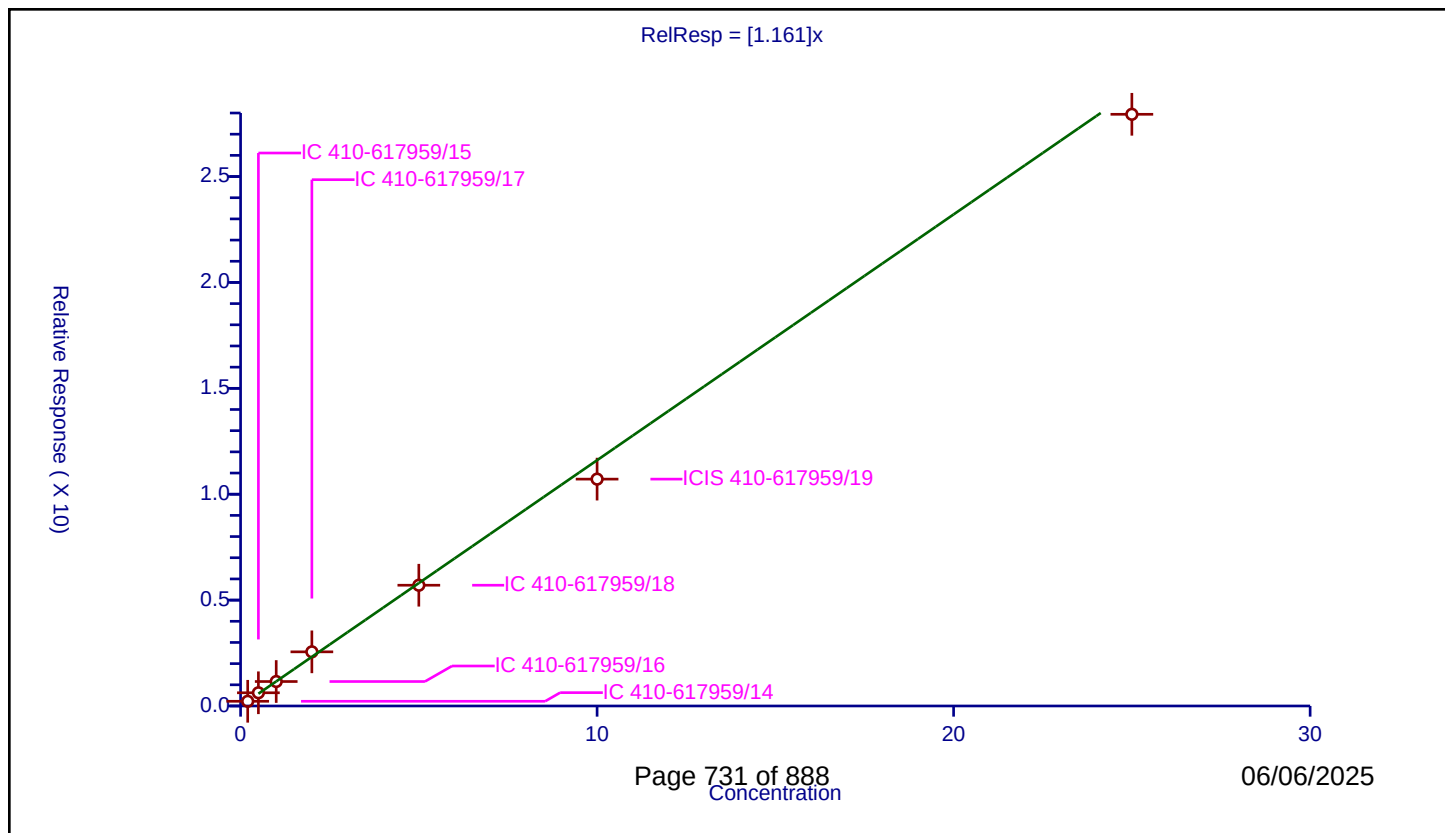
Curve Coefficients

Intercept: 0
Slope: 1.161

Error Coefficients

Relative Standard Deviation: 6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.222594	10.0	1591685.0	1.112971	Y
2	IC 410-617959/15	0.5	0.624205	10.0	1402824.0	1.24841	Y
3	IC 410-617959/16	1.0	1.155109	10.0	1645732.0	1.155109	Y
4	IC 410-617959/17	2.0	2.556453	10.0	1459225.0	1.278226	Y
5	IC 410-617959/18	5.0	5.701698	10.0	1785596.0	1.14034	Y
6	ICIS 410-617959/19	10.0	10.713031	10.0	1899624.0	1.071303	Y
7	IC 410-617959/20	25.0	27.939151	10.0	2048855.0	1.117566	Y



Calibration

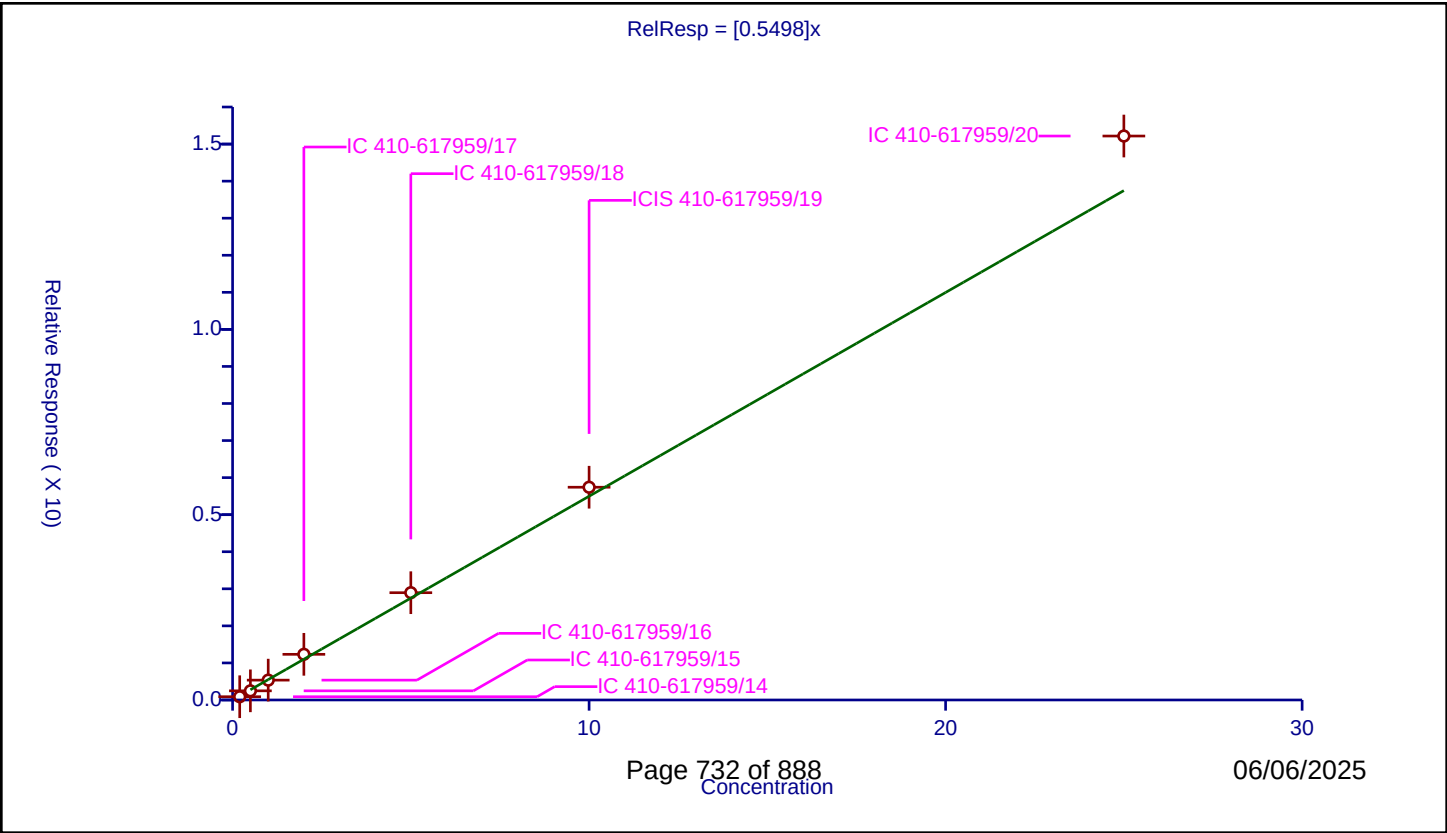
/ trans-1,3-Dichloropropene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5498
Error Coefficients	

Relative Standard Deviation: 11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.088146	10.0	1591685.0	0.440728	Y
2	IC 410-617959/15	0.5	0.247159	10.0	1402824.0	0.494317	Y
3	IC 410-617959/16	1.0	0.535646	10.0	1645732.0	0.535646	Y
4	IC 410-617959/17	2.0	1.232147	10.0	1459225.0	0.616074	Y
5	IC 410-617959/18	5.0	2.895162	10.0	1785596.0	0.579032	Y
6	ICIS 410-617959/19	10.0	5.740741	10.0	1899624.0	0.574074	Y
7	IC 410-617959/20	25.0	15.216948	10.0	2048855.0	0.608678	Y



Calibration

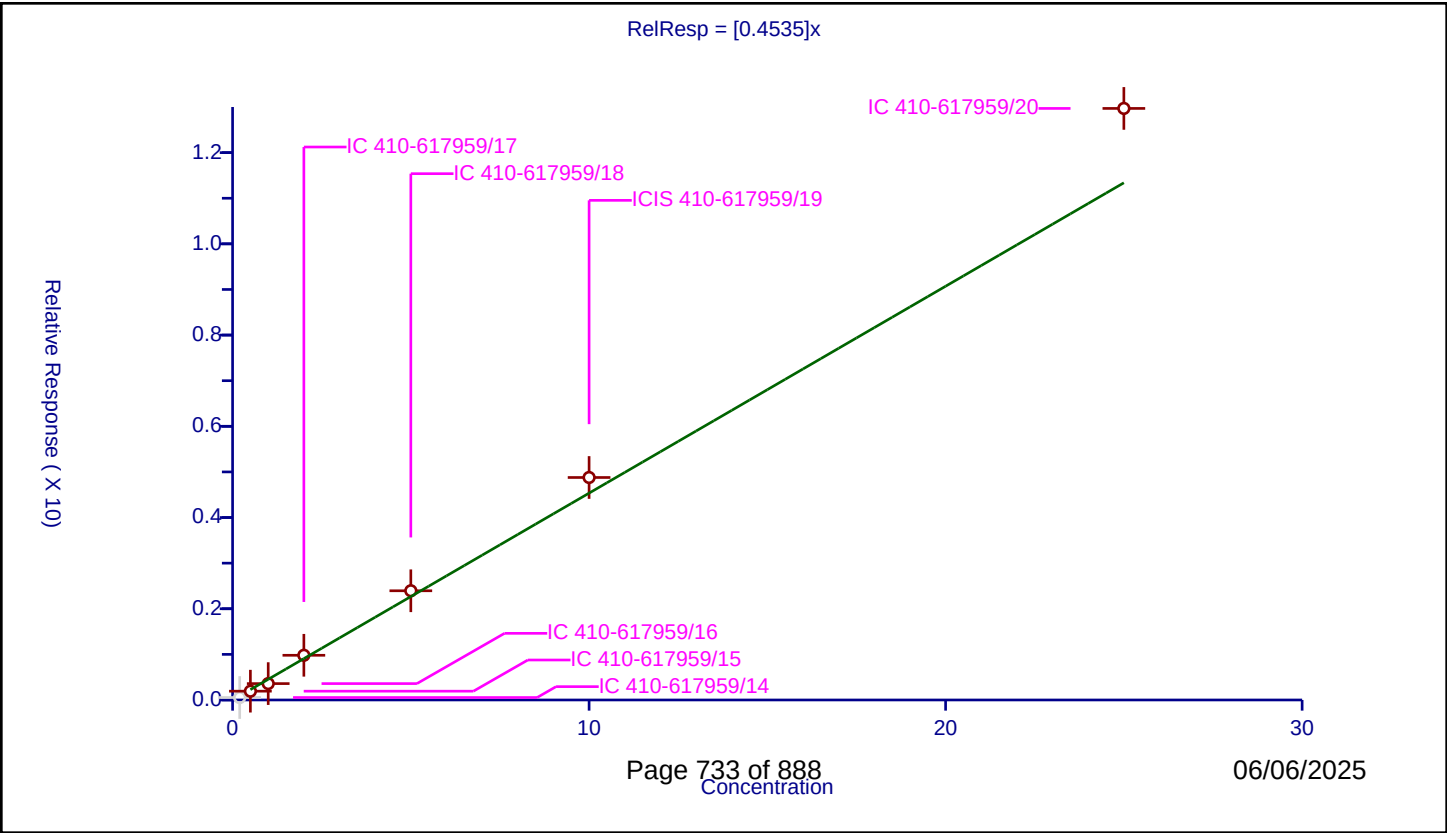
/ Ethyl methacrylate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4535
Error Coefficients	

Relative Standard Deviation: 14.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.054339	10.0	1591685.0	0.271693	N
2	IC 410-617959/15	0.5	0.193089	10.0	1402824.0	0.386178	Y
3	IC 410-617959/16	1.0	0.359536	10.0	1645732.0	0.359536	Y
4	IC 410-617959/17	2.0	0.980137	10.0	1459225.0	0.490068	Y
5	IC 410-617959/18	5.0	2.394366	10.0	1785596.0	0.478873	Y
6	ICIS 410-617959/19	10.0	4.878081	10.0	1899624.0	0.487808	Y
7	IC 410-617959/20	25.0	12.969146	10.0	2048855.0	0.518766	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

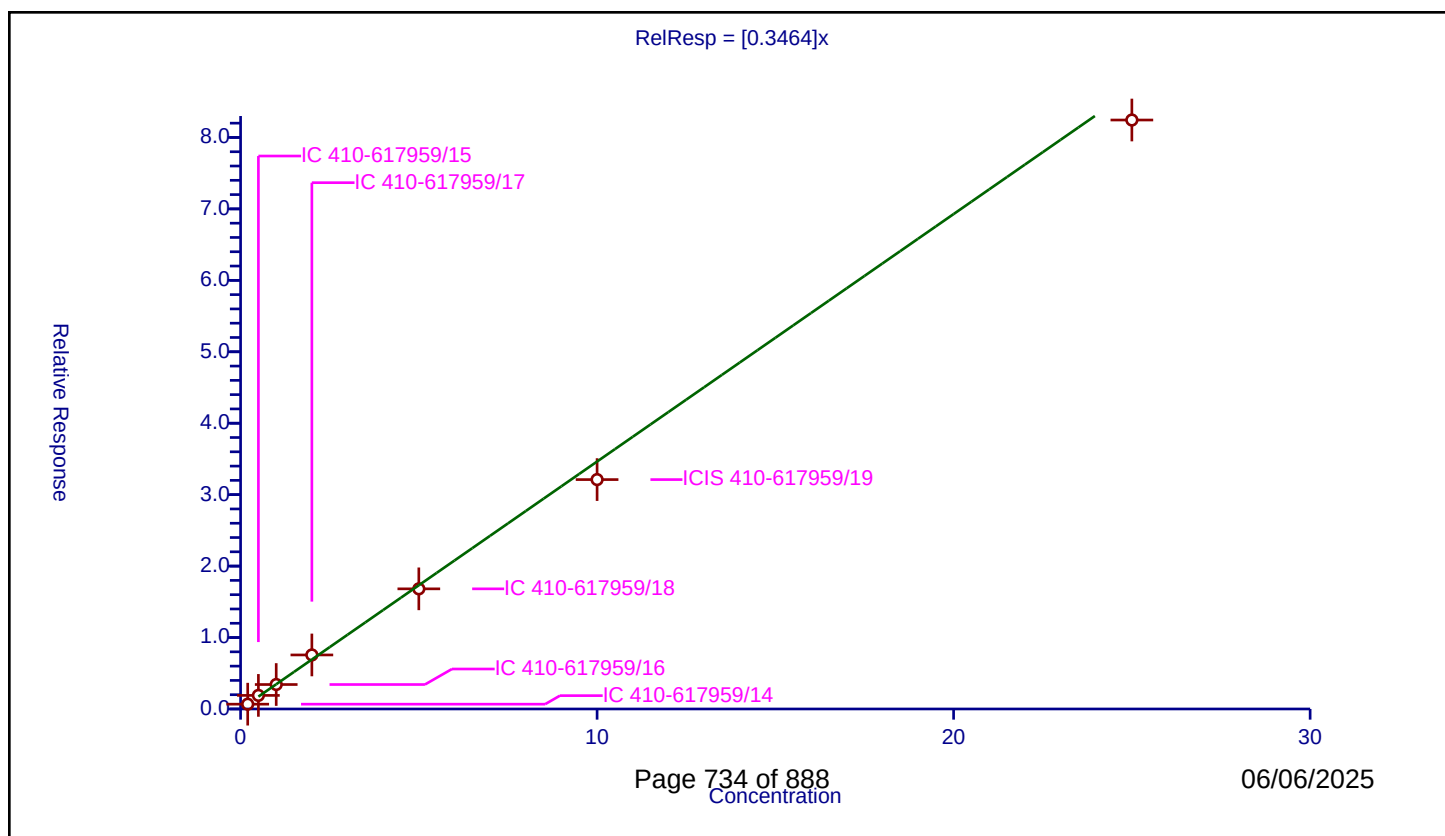
Curve Coefficients

Intercept: 0
Slope: 0.3464

Error Coefficients

Relative Standard Deviation: 6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.067199	10.0	1591685.0	0.335996	Y
2	IC 410-617959/15	0.5	0.190359	10.0	1402824.0	0.380718	Y
3	IC 410-617959/16	1.0	0.342541	10.0	1645732.0	0.342541	Y
4	IC 410-617959/17	2.0	0.756347	10.0	1459225.0	0.378173	Y
5	IC 410-617959/18	5.0	1.681623	10.0	1785596.0	0.336325	Y
6	ICIS 410-617959/19	10.0	3.210956	10.0	1899624.0	0.321096	Y
7	IC 410-617959/20	25.0	8.244097	10.0	2048855.0	0.329764	Y



Calibration

/ Tetrachloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

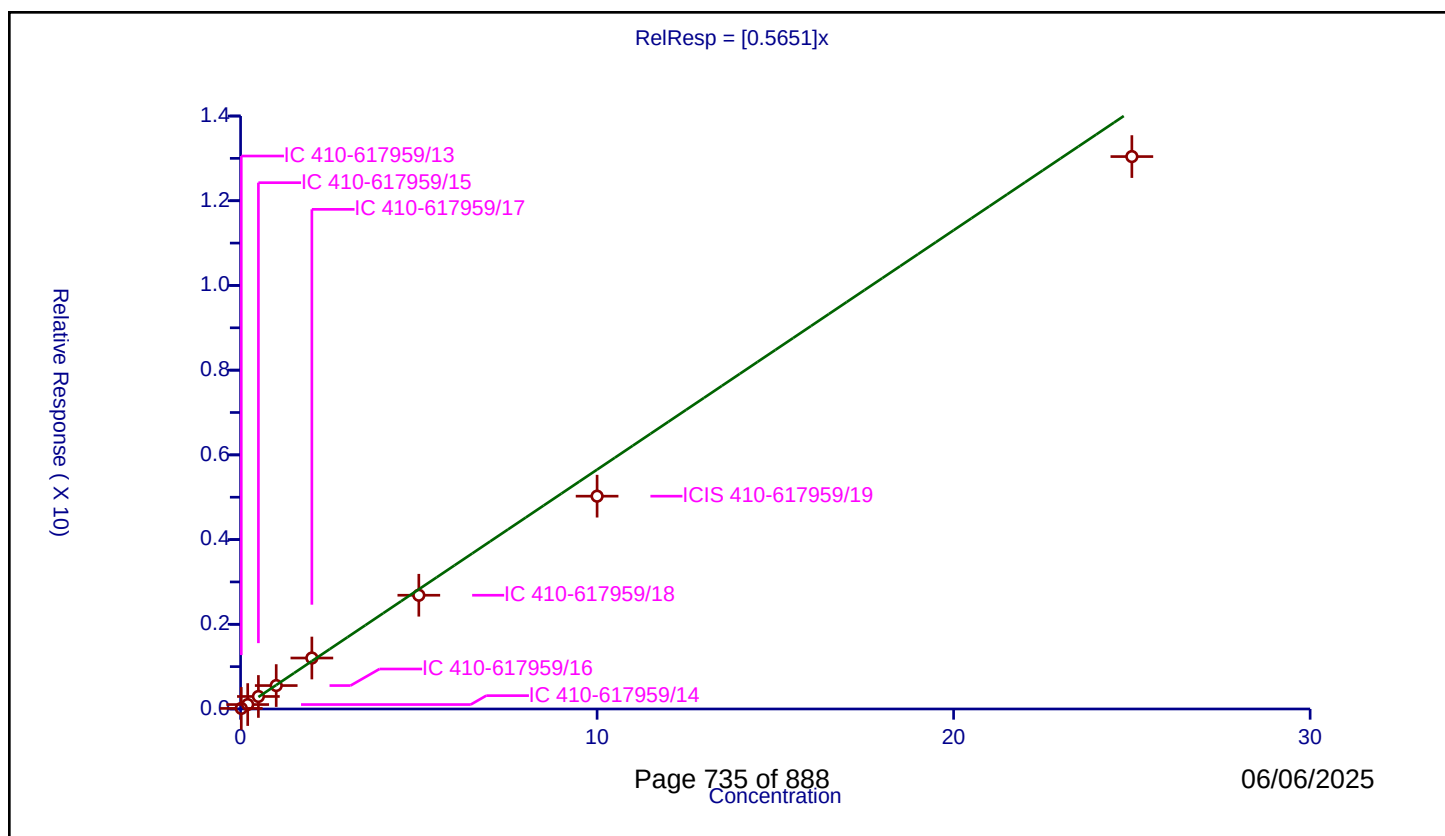
Curve Coefficients

Intercept: 0
Slope: 0.5651

Error Coefficients

Relative Standard Deviation: 10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/13	0.02	0.01379	10.0	1390900.0	0.689482	Y
2	IC 410-617959/14	0.2	0.104914	10.0	1591685.0	0.52457	Y
3	IC 410-617959/15	0.5	0.295547	10.0	1402824.0	0.591093	Y
4	IC 410-617959/16	1.0	0.553018	10.0	1645732.0	0.553018	Y
5	IC 410-617959/17	2.0	1.203193	10.0	1459225.0	0.601597	Y
6	IC 410-617959/18	5.0	2.685557	10.0	1785596.0	0.537111	Y
7	ICIS 410-617959/19	10.0	5.024752	10.0	1899624.0	0.502475	Y
8	IC 410-617959/20	25.0	13.042597	10.0	2048855.0	0.521704	Y



Calibration

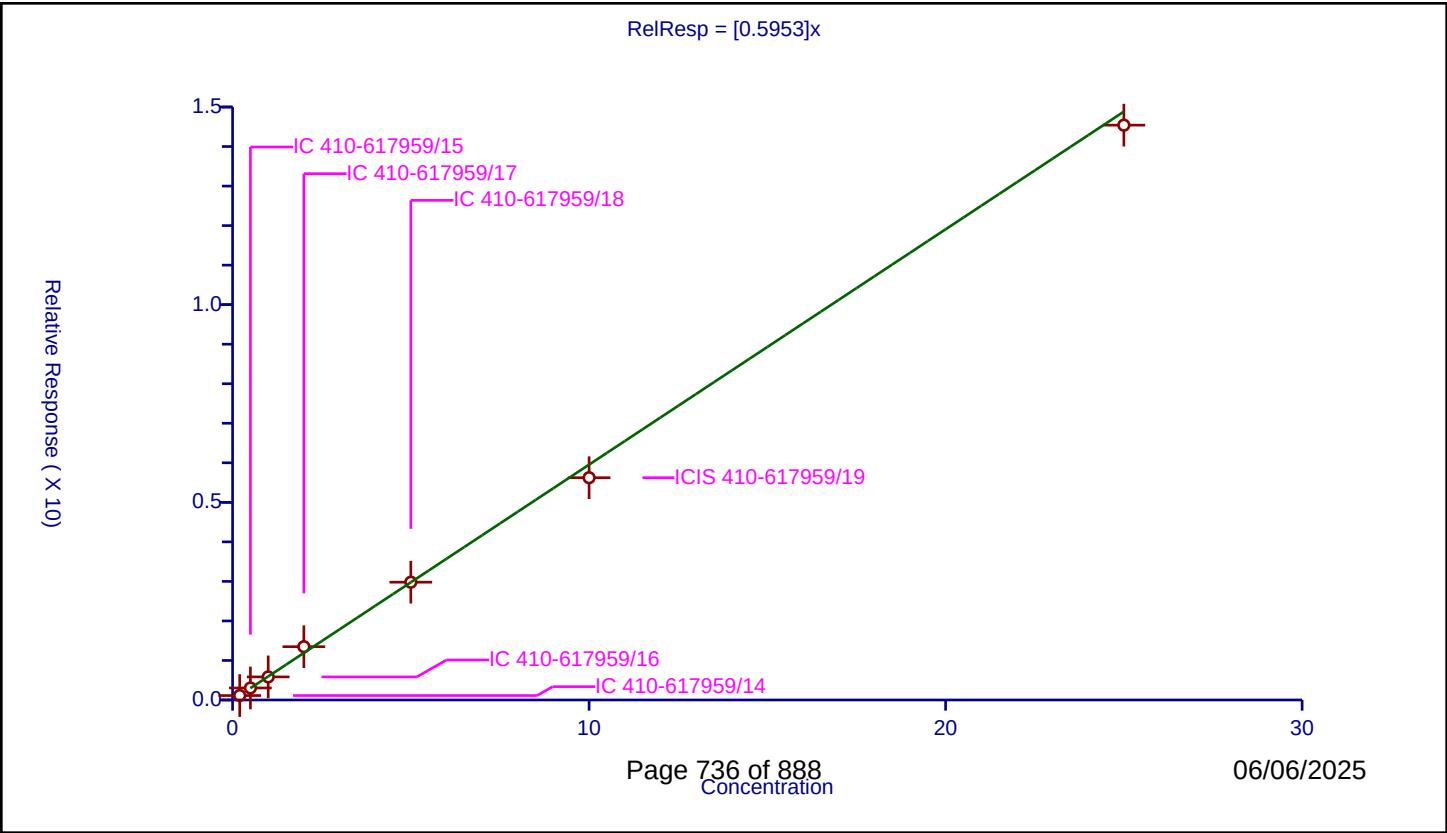
/ 1,3-Dichloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5953
Error Coefficients	

Relative Standard Deviation: 6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.112252	10.0	1591685.0	0.561261	Y
2	IC 410-617959/15	0.5	0.303887	10.0	1402824.0	0.607774	Y
3	IC 410-617959/16	1.0	0.584166	10.0	1645732.0	0.584166	Y
4	IC 410-617959/17	2.0	1.348346	10.0	1459225.0	0.674173	Y
5	IC 410-617959/18	5.0	2.979801	10.0	1785596.0	0.59596	Y
6	ICIS 410-617959/19	10.0	5.622639	10.0	1899624.0	0.562264	Y
7	IC 410-617959/20	25.0	14.541229	10.0	2048855.0	0.581649	Y



Calibration

/ 2-Hexanone

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

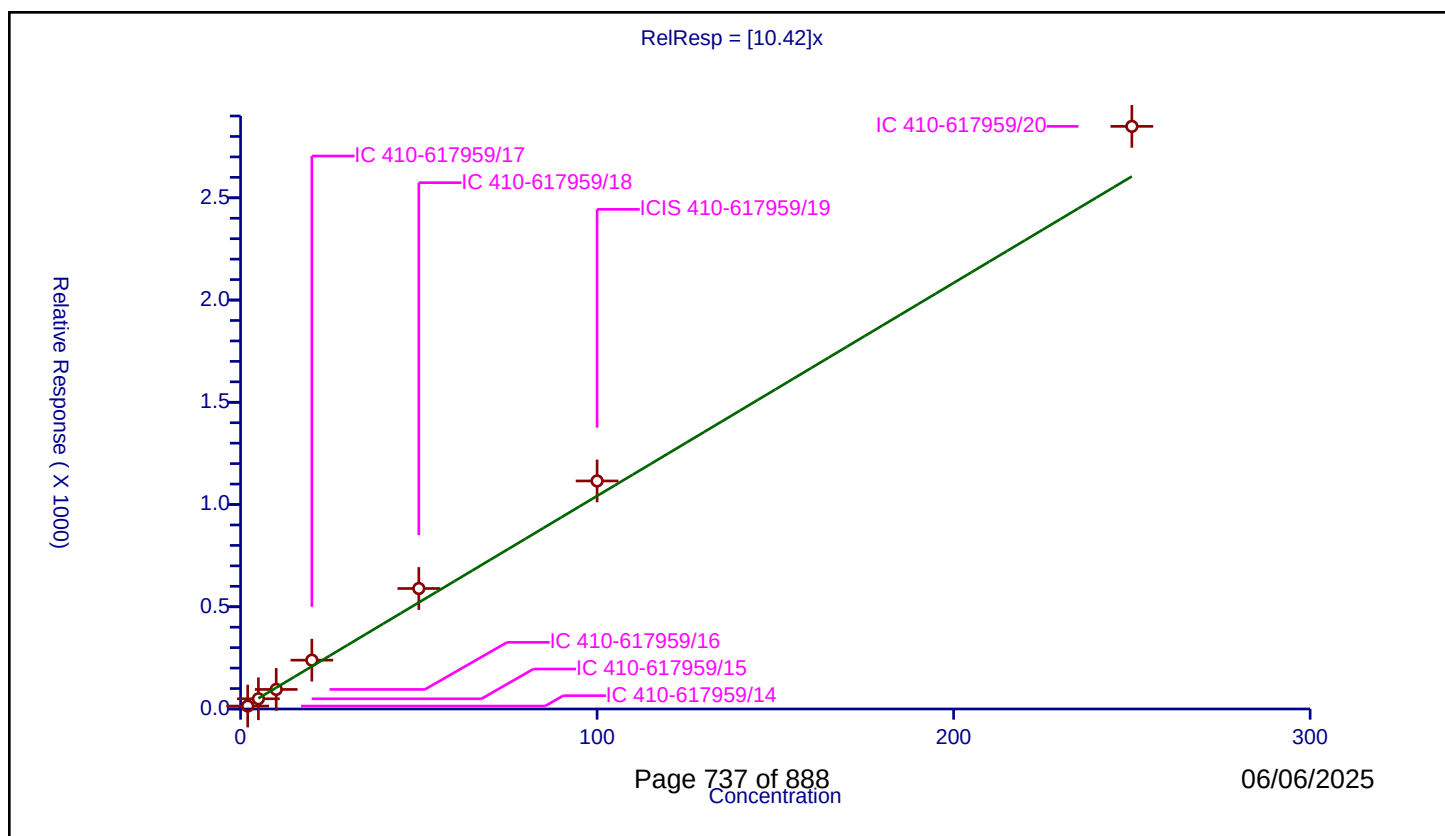
Curve Coefficients

Intercept: 0
Slope: 10.42

Error Coefficients

Relative Standard Deviation: 16.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	2.0	14.245667	50.0	173186.0	7.122833	Y
2	IC 410-617959/15	5.0	49.825273	50.0	150234.0	9.965055	Y
3	IC 410-617959/16	10.0	95.642195	50.0	176683.0	9.56422	Y
4	IC 410-617959/17	20.0	238.83726	50.0	155813.0	11.941863	Y
5	IC 410-617959/18	50.0	589.236732	50.0	177762.0	11.784735	Y
6	ICIS 410-617959/19	100.0	1115.245896	50.0	197604.0	11.152459	Y
7	IC 410-617959/20	250.0	2849.408565	50.0	216169.0	11.397634	Y



Calibration

/ Chlorodibromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

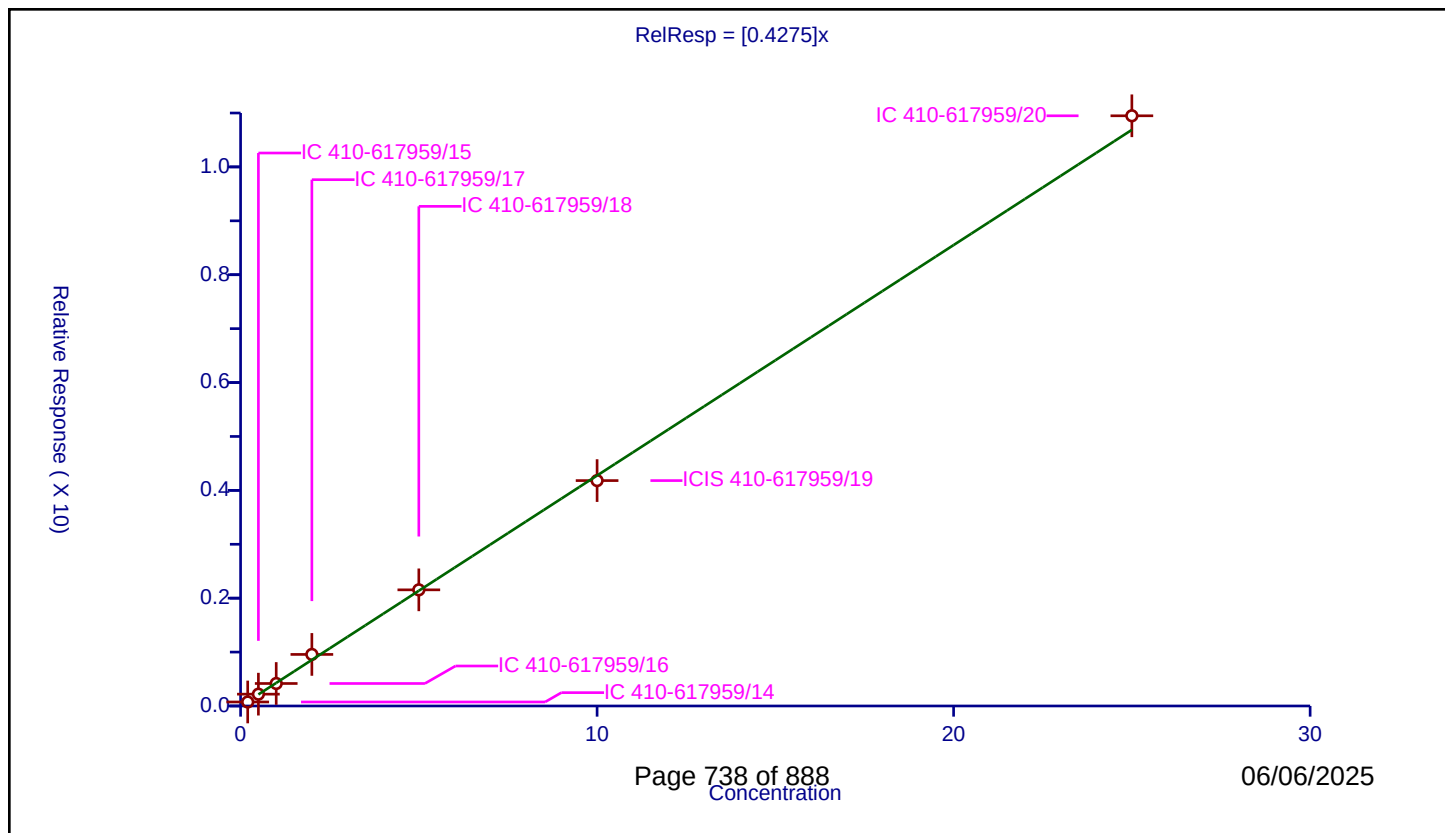
Curve Coefficients

Intercept: 0
Slope: 0.4275

Error Coefficients

Relative Standard Deviation: 7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.074324	10.0	1591685.0	0.371619	Y
2	IC 410-617959/15	0.5	0.2193	10.0	1402824.0	0.438601	Y
3	IC 410-617959/16	1.0	0.41717	10.0	1645732.0	0.41717	Y
4	IC 410-617959/17	2.0	0.956268	10.0	1459225.0	0.478134	Y
5	IC 410-617959/18	5.0	2.154704	10.0	1785596.0	0.430941	Y
6	ICIS 410-617959/19	10.0	4.18147	10.0	1899624.0	0.418147	Y
7	IC 410-617959/20	25.0	10.948608	10.0	2048855.0	0.437944	Y



Calibration

/ Ethylene Dibromide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

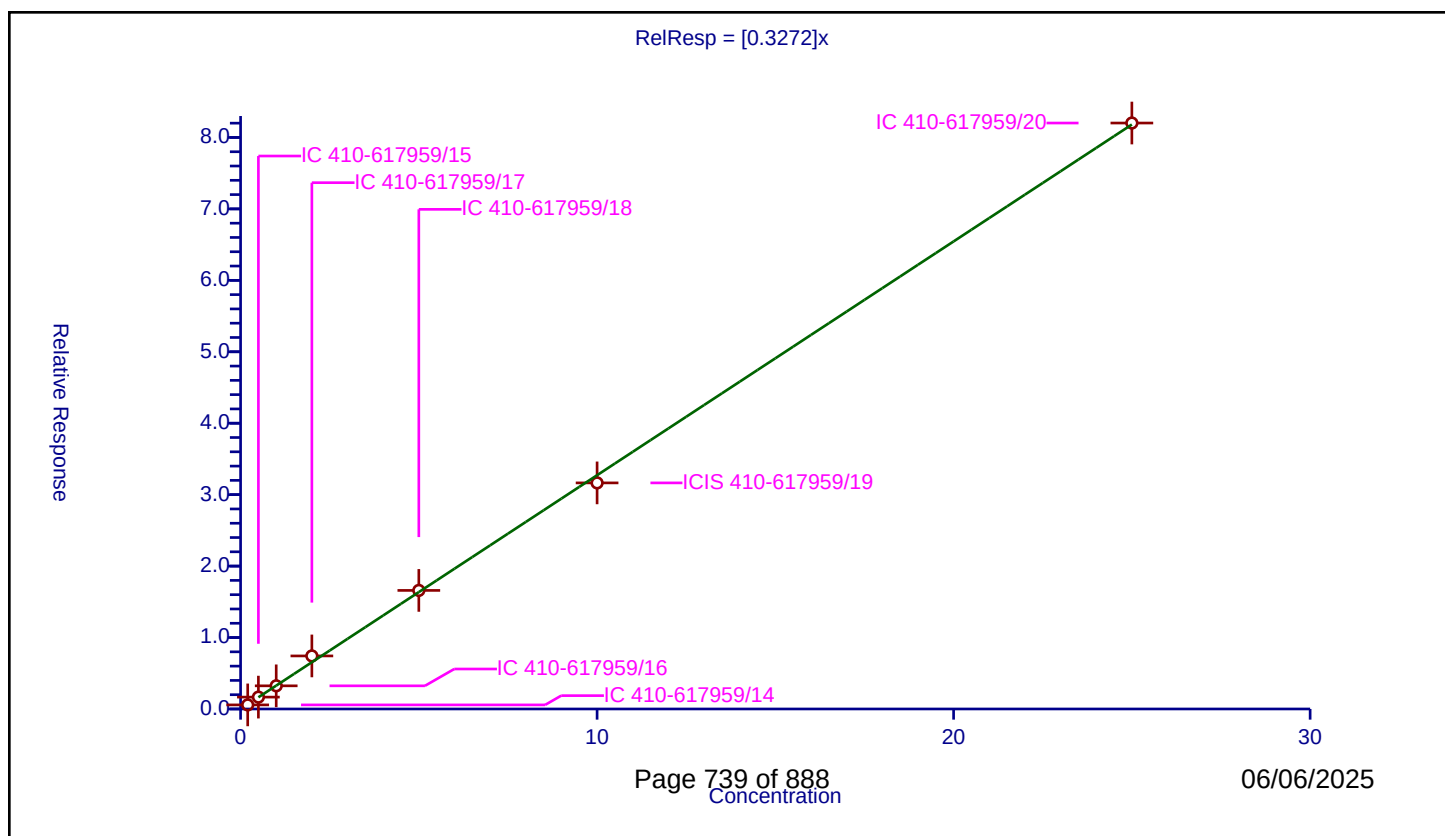
Curve Coefficients

Intercept: 0
Slope: 0.3272

Error Coefficients

Relative Standard Deviation: 7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.057254	10.0	1591685.0	0.286269	Y
2	IC 410-617959/15	0.5	0.166158	10.0	1402824.0	0.332315	Y
3	IC 410-617959/16	1.0	0.324354	10.0	1645732.0	0.324354	Y
4	IC 410-617959/17	2.0	0.742428	10.0	1459225.0	0.371214	Y
5	IC 410-617959/18	5.0	1.659776	10.0	1785596.0	0.331955	Y
6	ICIS 410-617959/19	10.0	3.164653	10.0	1899624.0	0.316465	Y
7	IC 410-617959/20	25.0	8.201854	10.0	2048855.0	0.328074	Y



Calibration

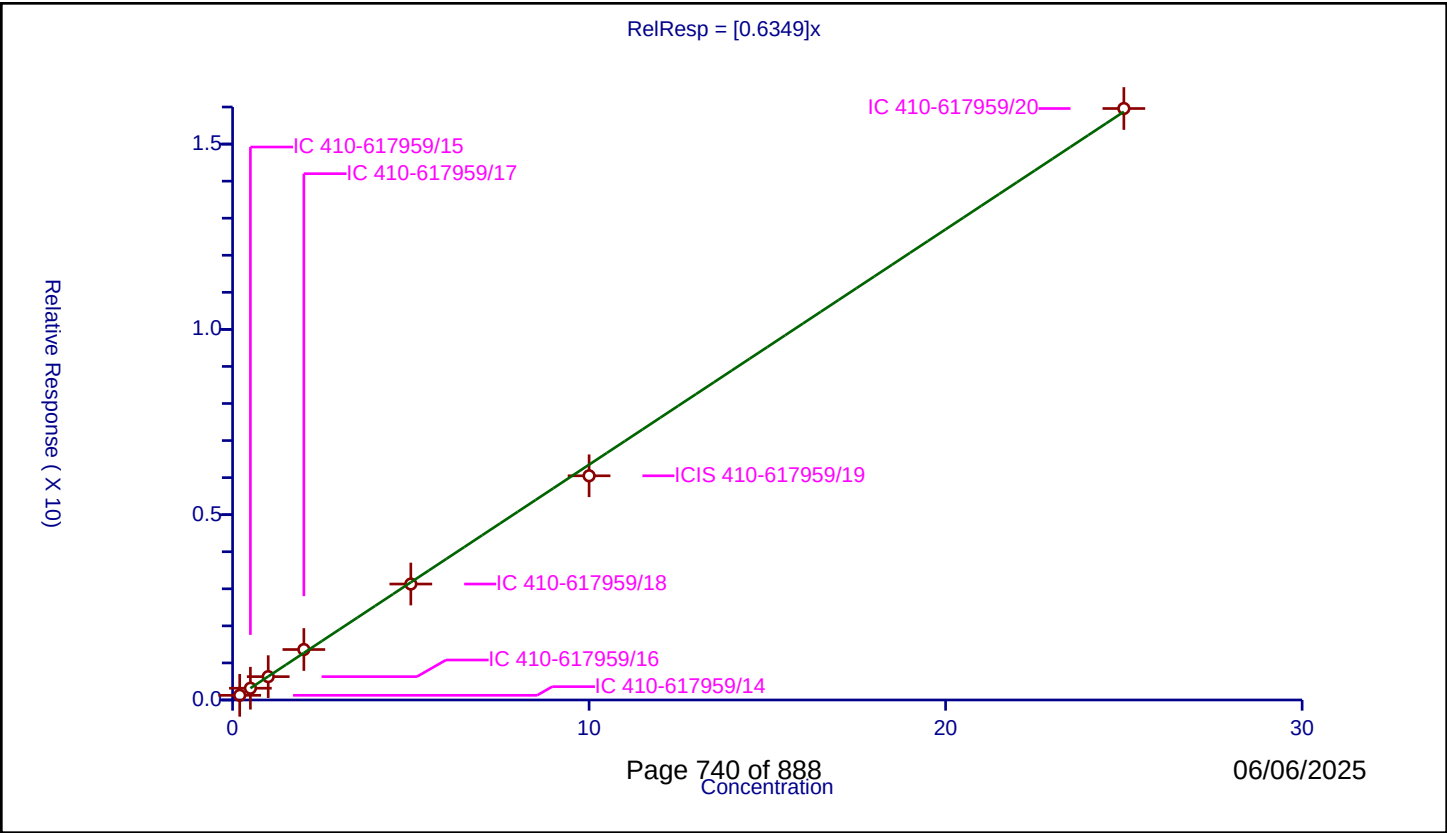
/ 1-Chlorohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6349
Error Coefficients	

Relative Standard Deviation: 3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.125923	10.0	1591685.0	0.629616	Y
2	IC 410-617959/15	0.5	0.317538	10.0	1402824.0	0.635076	Y
3	IC 410-617959/16	1.0	0.629853	10.0	1645732.0	0.629853	Y
4	IC 410-617959/17	2.0	1.361976	10.0	1459225.0	0.680988	Y
5	IC 410-617959/18	5.0	3.128619	10.0	1785596.0	0.625724	Y
6	ICIS 410-617959/19	10.0	6.049376	10.0	1899624.0	0.604938	Y
7	IC 410-617959/20	25.0	15.959987	10.0	2048855.0	0.638399	Y



Calibration

/ Chlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

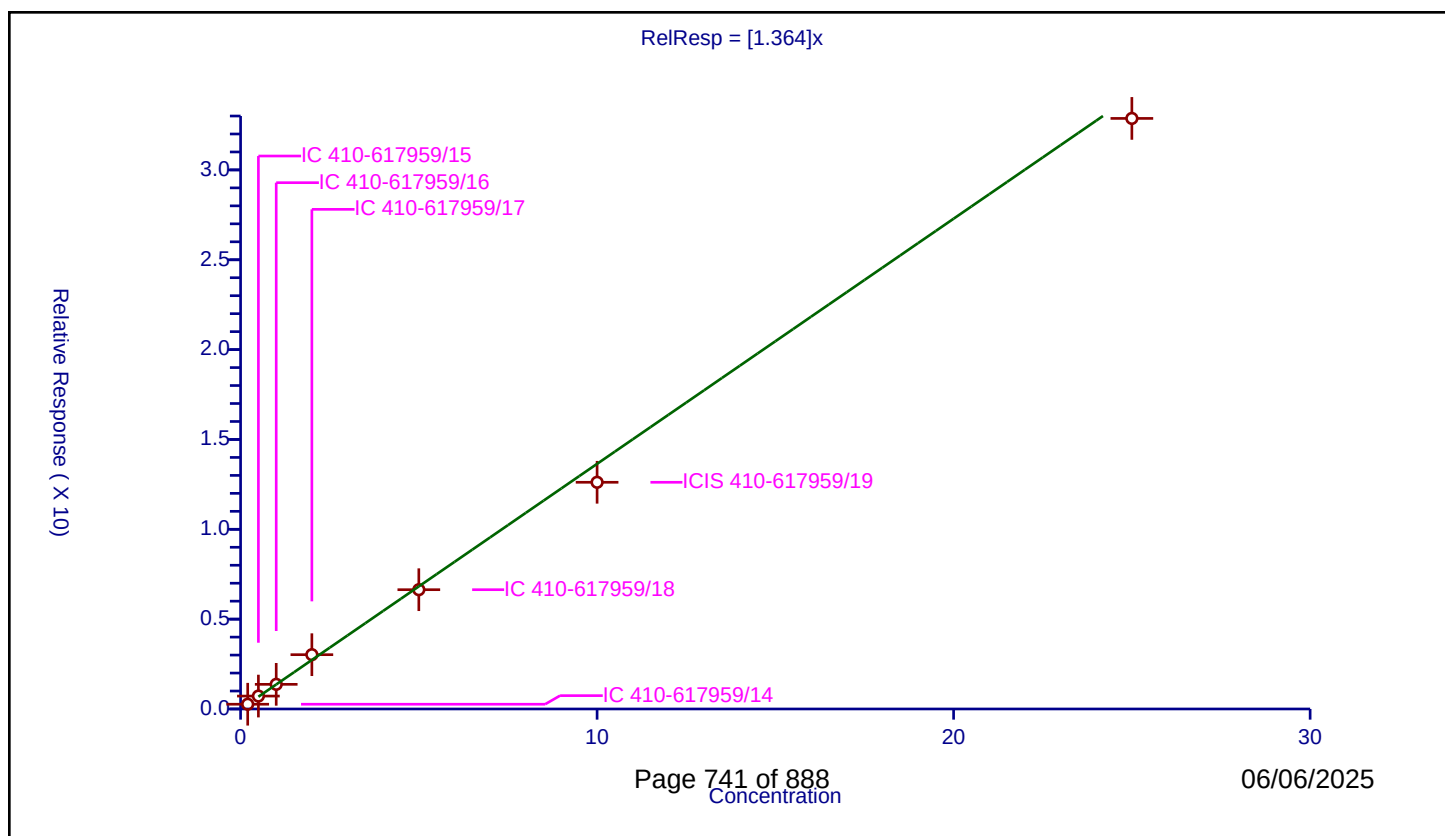
Curve Coefficients

Intercept: 0
Slope: 1.364

Error Coefficients

Relative Standard Deviation: 6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.264996	10.0	1591685.0	1.32498	Y
2	IC 410-617959/15	0.5	0.719206	10.0	1402824.0	1.438413	Y
3	IC 410-617959/16	1.0	1.371432	10.0	1645732.0	1.371432	Y
4	IC 410-617959/17	2.0	3.02181	10.0	1459225.0	1.510905	Y
5	IC 410-617959/18	5.0	6.638501	10.0	1785596.0	1.3277	Y
6	ICIS 410-617959/19	10.0	12.616265	10.0	1899624.0	1.261627	Y
7	IC 410-617959/20	25.0	32.866157	10.0	2048855.0	1.314646	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

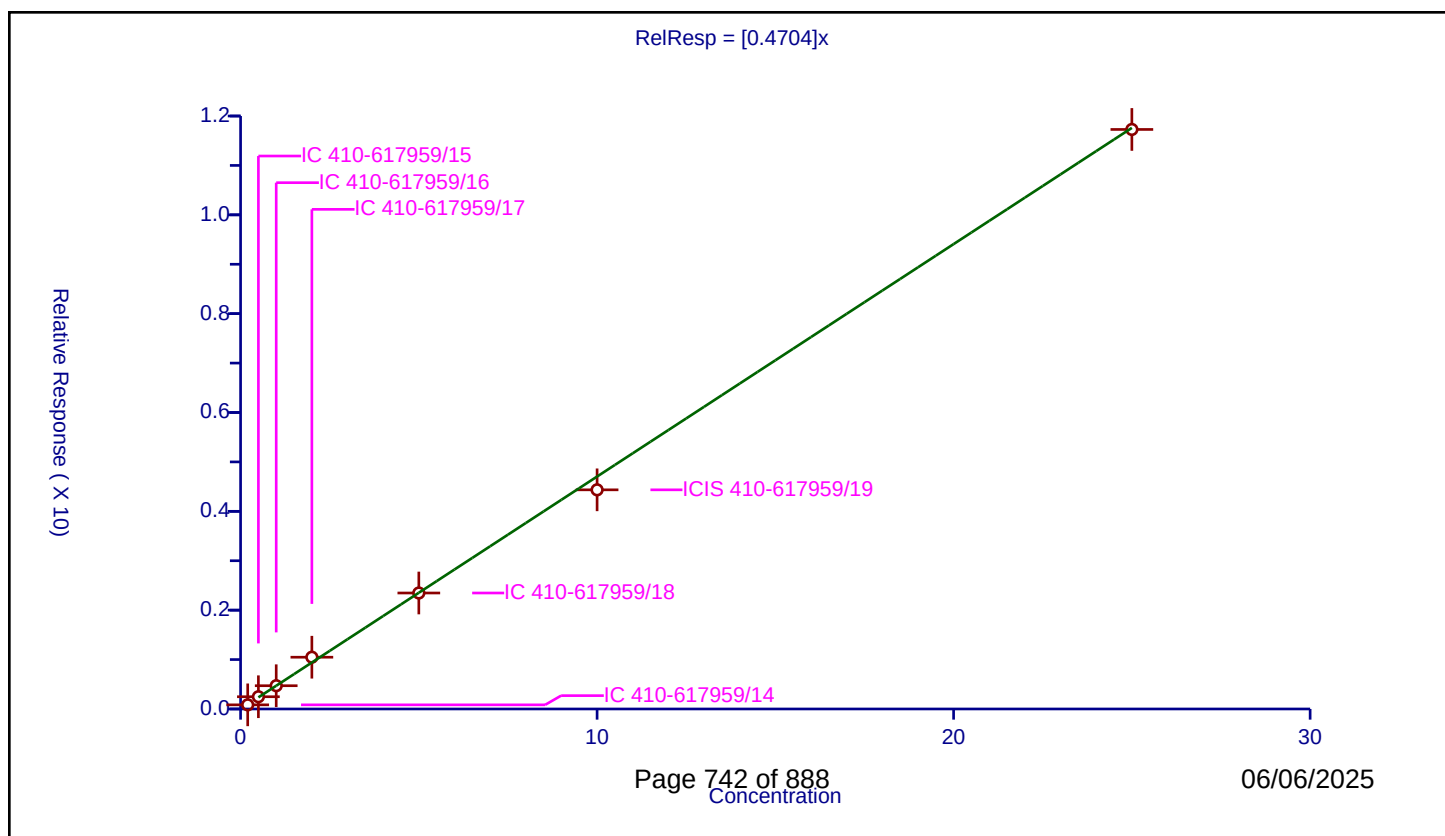
Curve Coefficients

Intercept: 0
Slope: 0.4704

Error Coefficients

Relative Standard Deviation: 7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.084049	10.0	1591685.0	0.420246	Y
2	IC 410-617959/15	0.5	0.2479	10.0	1402824.0	0.4958	Y
3	IC 410-617959/16	1.0	0.470818	10.0	1645732.0	0.470818	Y
4	IC 410-617959/17	2.0	1.047755	10.0	1459225.0	0.523877	Y
5	IC 410-617959/18	5.0	2.347272	10.0	1785596.0	0.469454	Y
6	ICIS 410-617959/19	10.0	4.434878	10.0	1899624.0	0.443488	Y
7	IC 410-617959/20	25.0	11.727799	10.0	2048855.0	0.469112	Y



Calibration

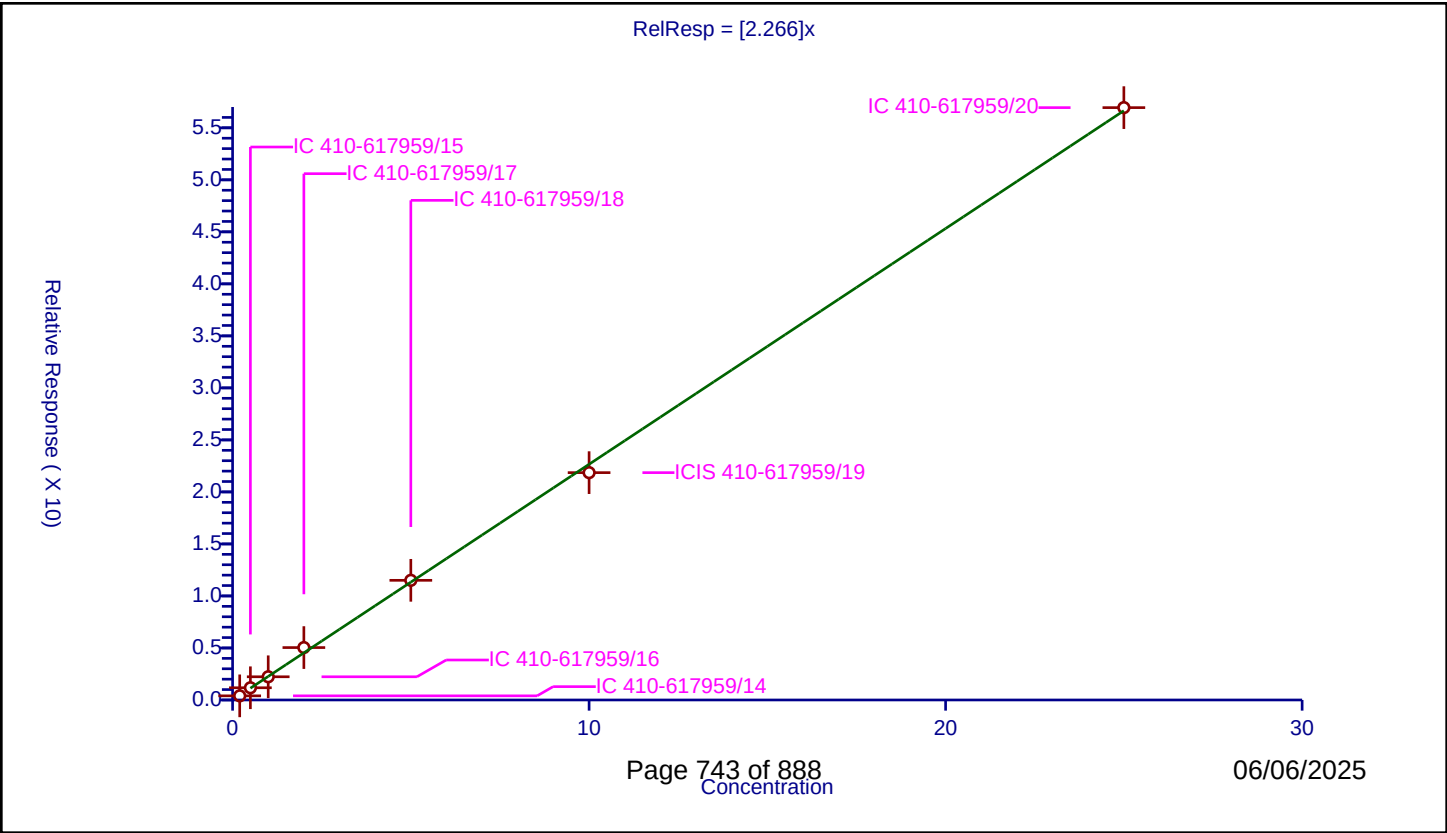
/ Ethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.266
Error Coefficients	

Relative Standard Deviation: 7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.399671	10.0	1591685.0	1.998354	Y
2	IC 410-617959/15	0.5	1.174196	10.0	1402824.0	2.348392	Y
3	IC 410-617959/16	1.0	2.2317	10.0	1645732.0	2.2317	Y
4	IC 410-617959/17	2.0	5.03801	10.0	1459225.0	2.519005	Y
5	IC 410-617959/18	5.0	11.503285	10.0	1785596.0	2.300657	Y
6	ICIS 410-617959/19	10.0	21.854067	10.0	1899624.0	2.185407	Y
7	IC 410-617959/20	25.0	56.941492	10.0	2048855.0	2.27766	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

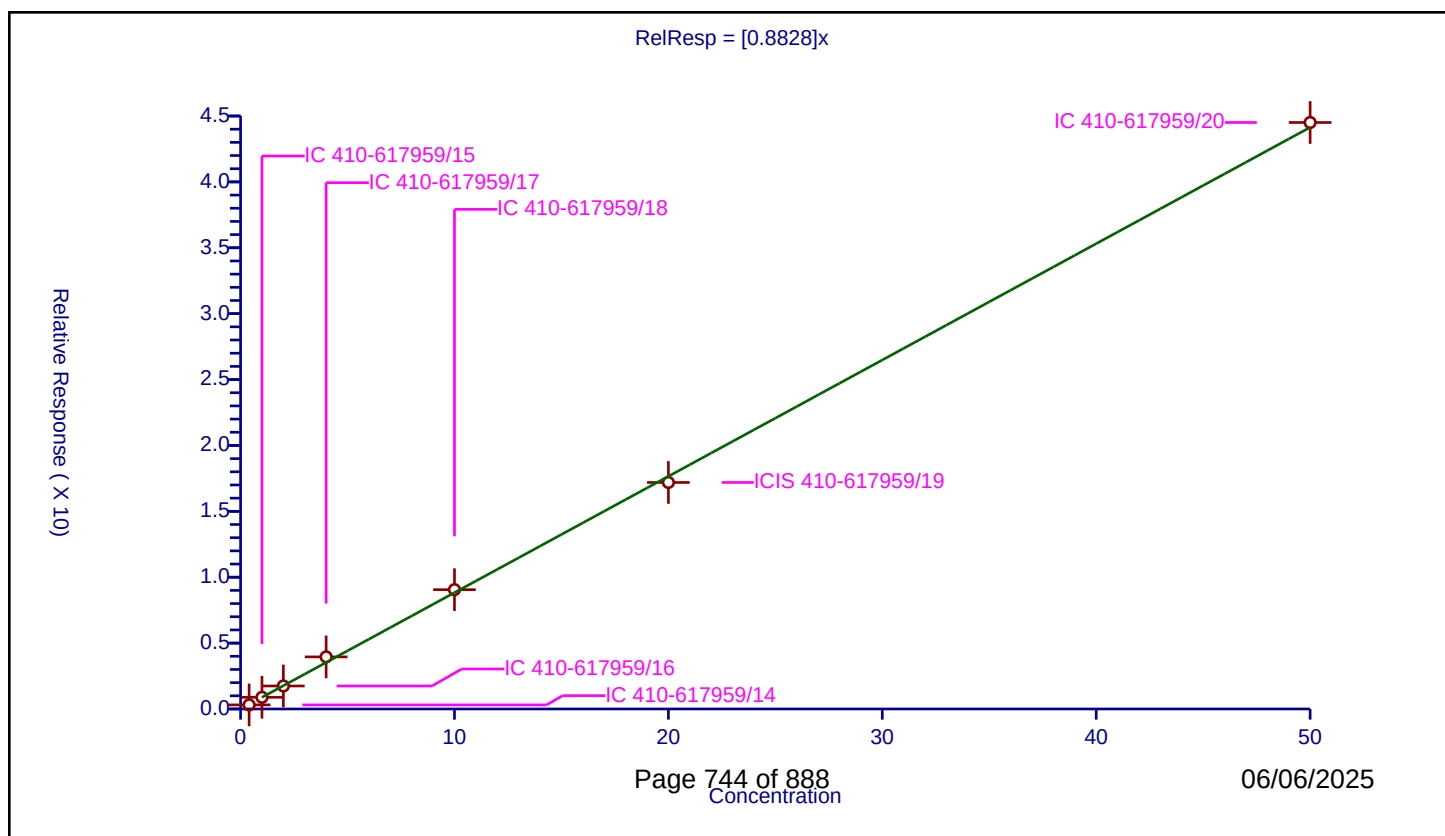
Curve Coefficients

Intercept: 0
 Slope: 0.8828

Error Coefficients

Relative Standard Deviation: 7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.4	0.309923	10.0	1591685.0	0.774808	Y
2	IC 410-617959/15	1.0	0.888223	10.0	1402824.0	0.888223	Y
3	IC 410-617959/16	2.0	1.745661	10.0	1645732.0	0.87283	Y
4	IC 410-617959/17	4.0	3.953873	10.0	1459225.0	0.988468	Y
5	IC 410-617959/18	10.0	9.055593	10.0	1785596.0	0.905559	Y
6	ICIS 410-617959/19	20.0	17.190686	10.0	1899624.0	0.859534	Y
7	IC 410-617959/20	50.0	44.507913	10.0	2048855.0	0.890158	Y



Calibration

/ o-Xylene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

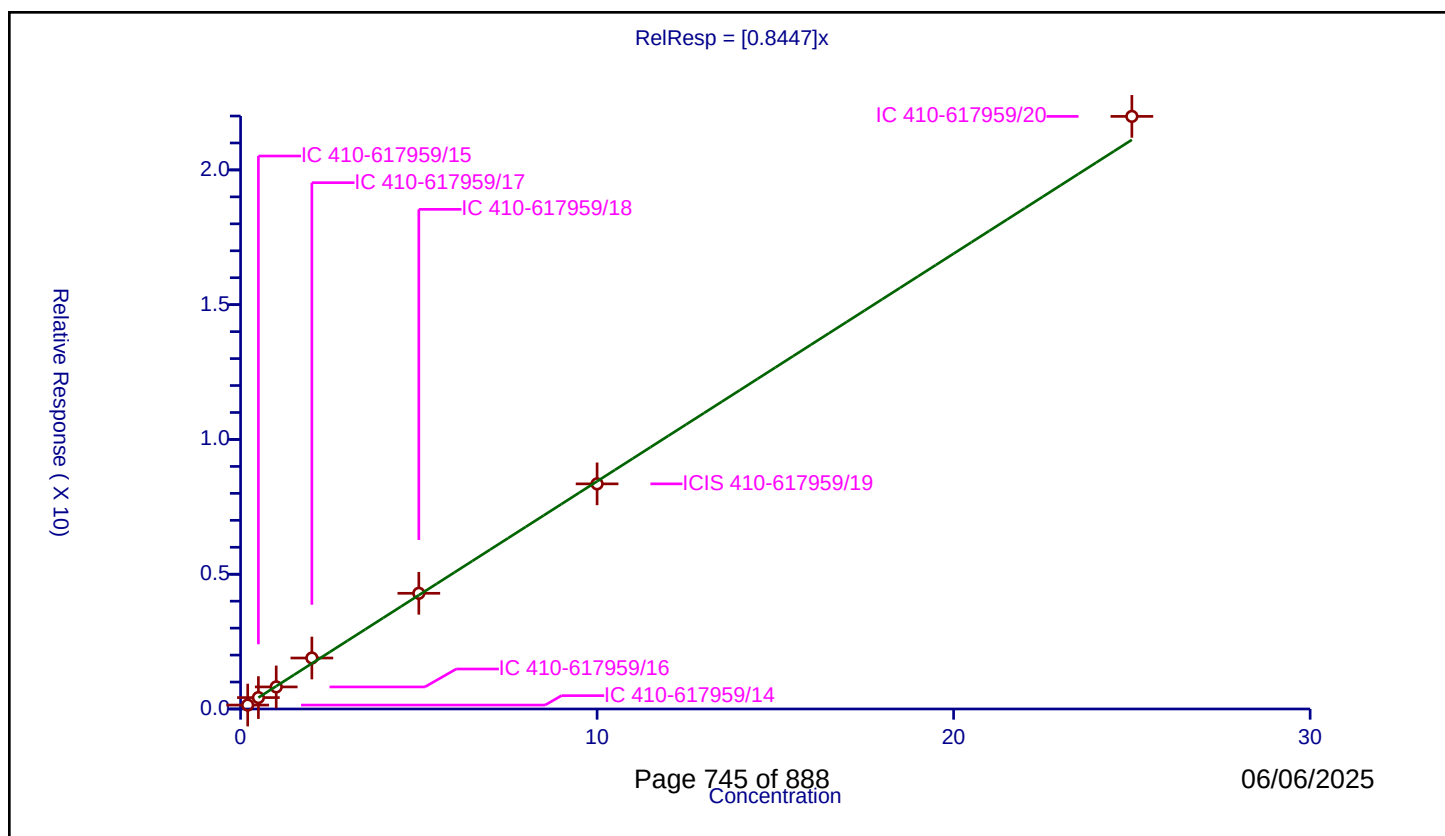
Curve Coefficients

Intercept: 0
Slope: 0.8447

Error Coefficients

Relative Standard Deviation: 7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.146028	10.0	1591685.0	0.730138	Y
2	IC 410-617959/15	0.5	0.422876	10.0	1402824.0	0.845751	Y
3	IC 410-617959/16	1.0	0.818311	10.0	1645732.0	0.818311	Y
4	IC 410-617959/17	2.0	1.890689	10.0	1459225.0	0.945344	Y
5	IC 410-617959/18	5.0	4.292242	10.0	1785596.0	0.858448	Y
6	ICIS 410-617959/19	10.0	8.353027	10.0	1899624.0	0.835303	Y
7	IC 410-617959/20	25.0	21.986324	10.0	2048855.0	0.879453	Y



Calibration

/ Styrene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

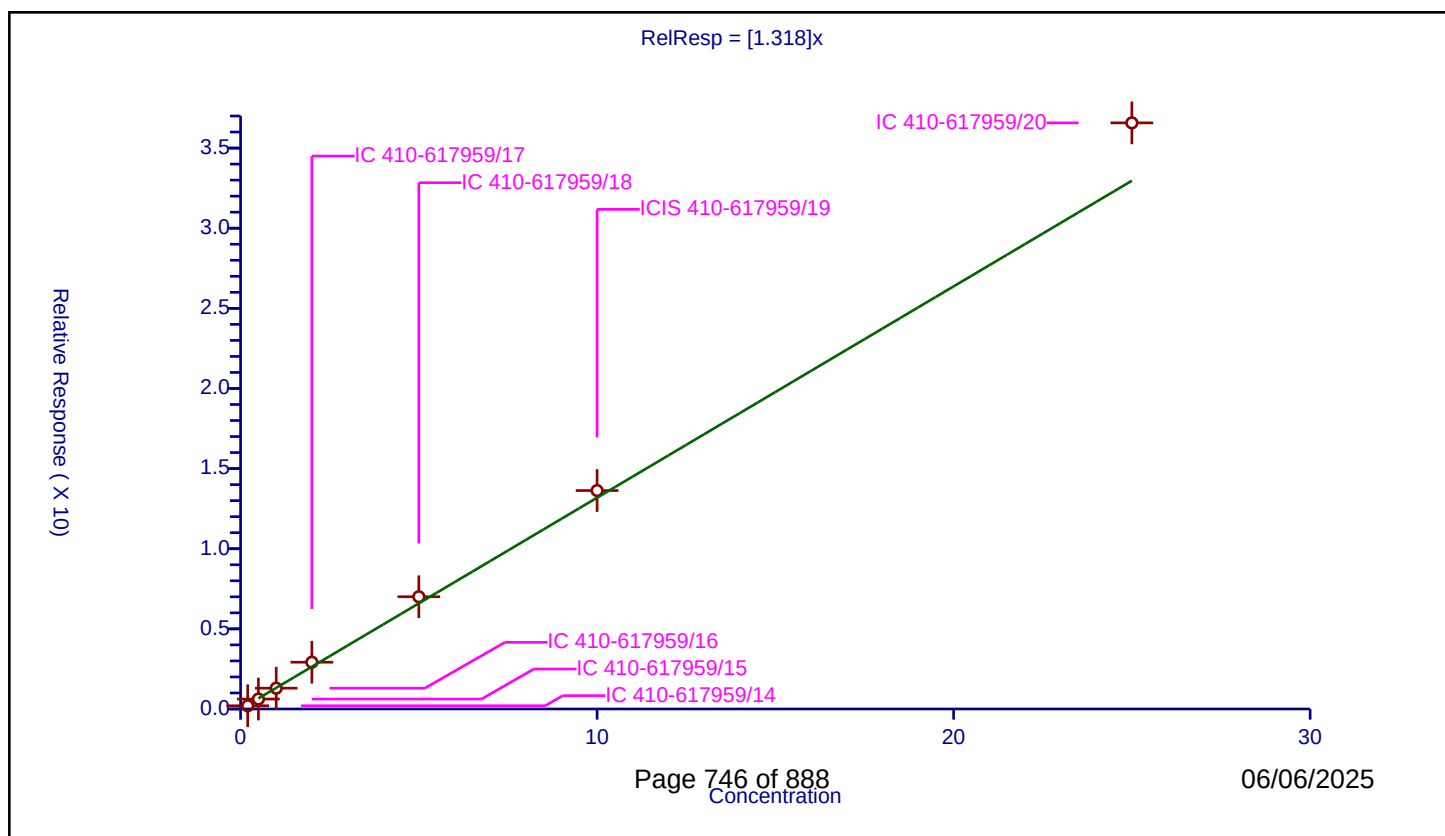
Curve Coefficients

Intercept: 0
Slope: 1.318

Error Coefficients

Relative Standard Deviation: 12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.201158	10.0	1591685.0	1.005789	Y
2	IC 410-617959/15	0.5	0.619679	10.0	1402824.0	1.239357	Y
3	IC 410-617959/16	1.0	1.298091	10.0	1645732.0	1.298091	Y
4	IC 410-617959/17	2.0	2.9187	10.0	1459225.0	1.45935	Y
5	IC 410-617959/18	5.0	7.003606	10.0	1785596.0	1.400721	Y
6	ICIS 410-617959/19	10.0	13.629913	10.0	1899624.0	1.362991	Y
7	IC 410-617959/20	25.0	36.572695	10.0	2048855.0	1.462908	Y



Calibration

/ Bromoform

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

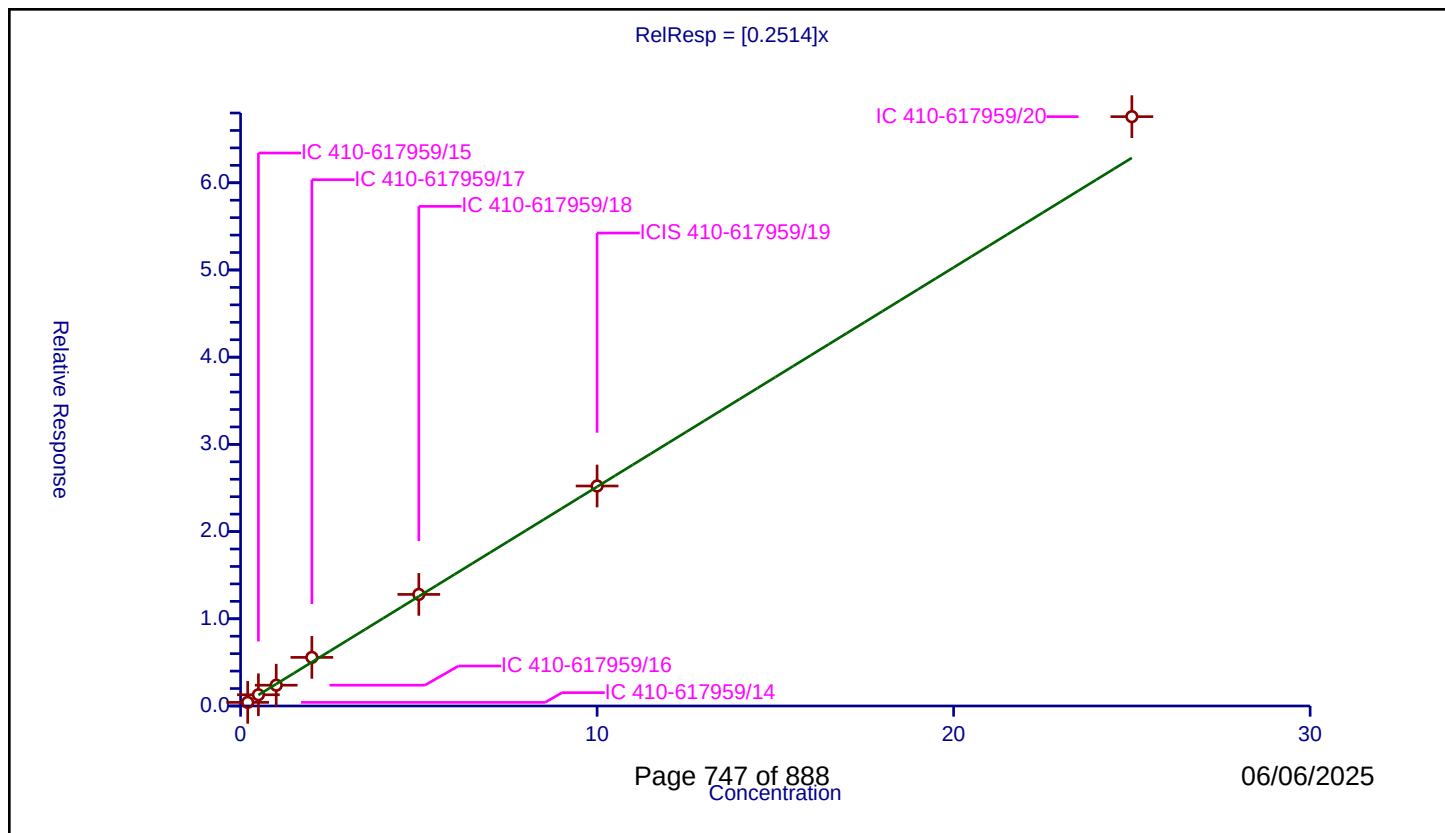
Curve Coefficients

Intercept: 0
Slope: 0.2514

Error Coefficients

Relative Standard Deviation: 9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.041428	10.0	1591685.0	0.207139	Y
2	IC 410-617959/15	0.5	0.128733	10.0	1402824.0	0.257466	Y
3	IC 410-617959/16	1.0	0.238228	10.0	1645732.0	0.238228	Y
4	IC 410-617959/17	2.0	0.557262	10.0	1459225.0	0.278631	Y
5	IC 410-617959/18	5.0	1.279702	10.0	1785596.0	0.25594	Y
6	ICIS 410-617959/19	10.0	2.522794	10.0	1899624.0	0.252279	Y
7	IC 410-617959/20	25.0	6.758336	10.0	2048855.0	0.270333	Y



Calibration

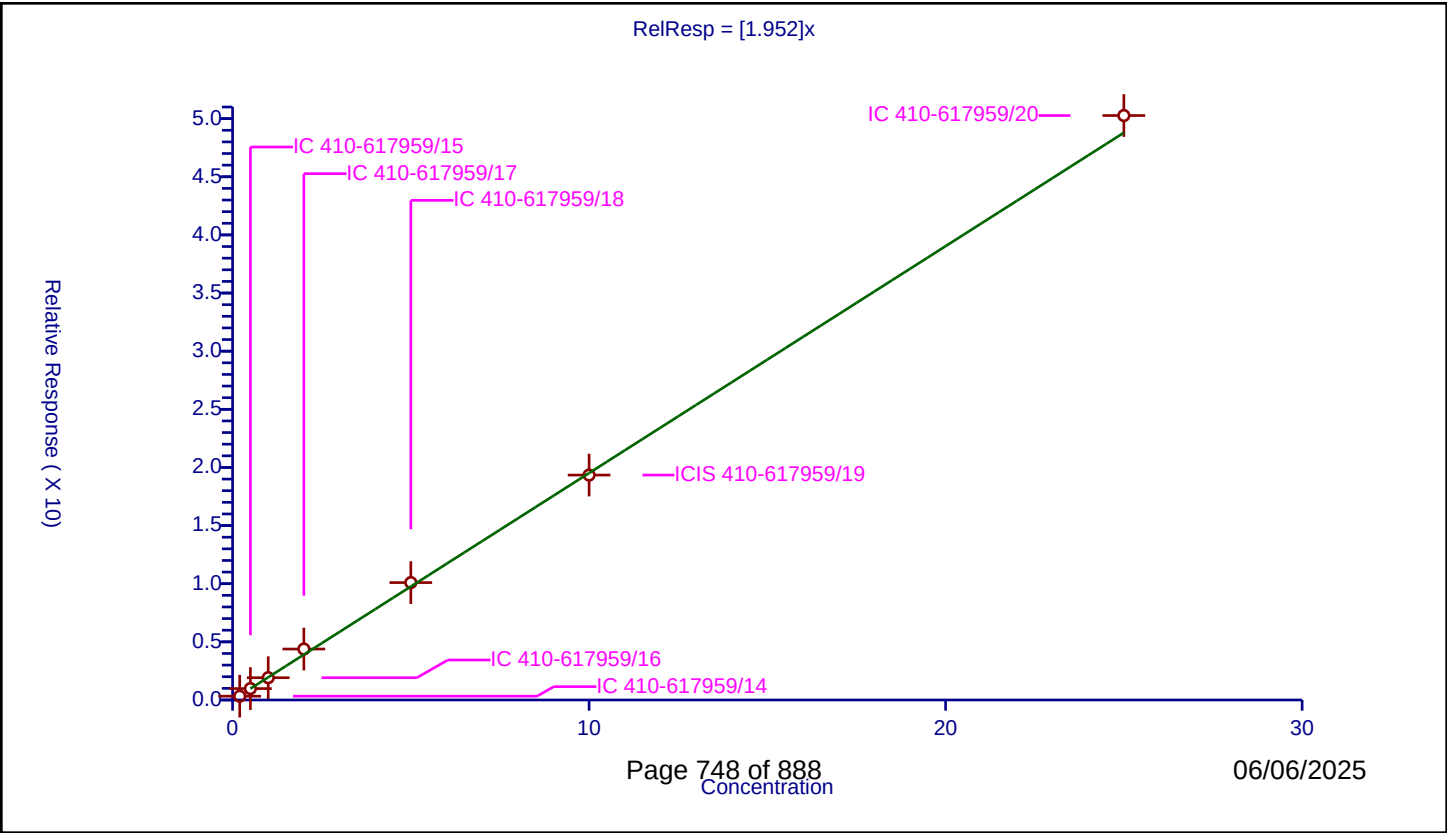
/ Isopropylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.952
Error Coefficients	

Relative Standard Deviation: 8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.325994	10.0	1591685.0	1.629971	Y
2	IC 410-617959/15	0.5	0.979995	10.0	1402824.0	1.959989	Y
3	IC 410-617959/16	1.0	1.915956	10.0	1645732.0	1.915956	Y
4	IC 410-617959/17	2.0	4.381867	10.0	1459225.0	2.190934	Y
5	IC 410-617959/18	5.0	10.097295	10.0	1785596.0	2.019459	Y
6	ICIS 410-617959/19	10.0	19.345007	10.0	1899624.0	1.934501	Y
7	IC 410-617959/20	25.0	50.268233	10.0	2048855.0	2.010729	Y



Calibration

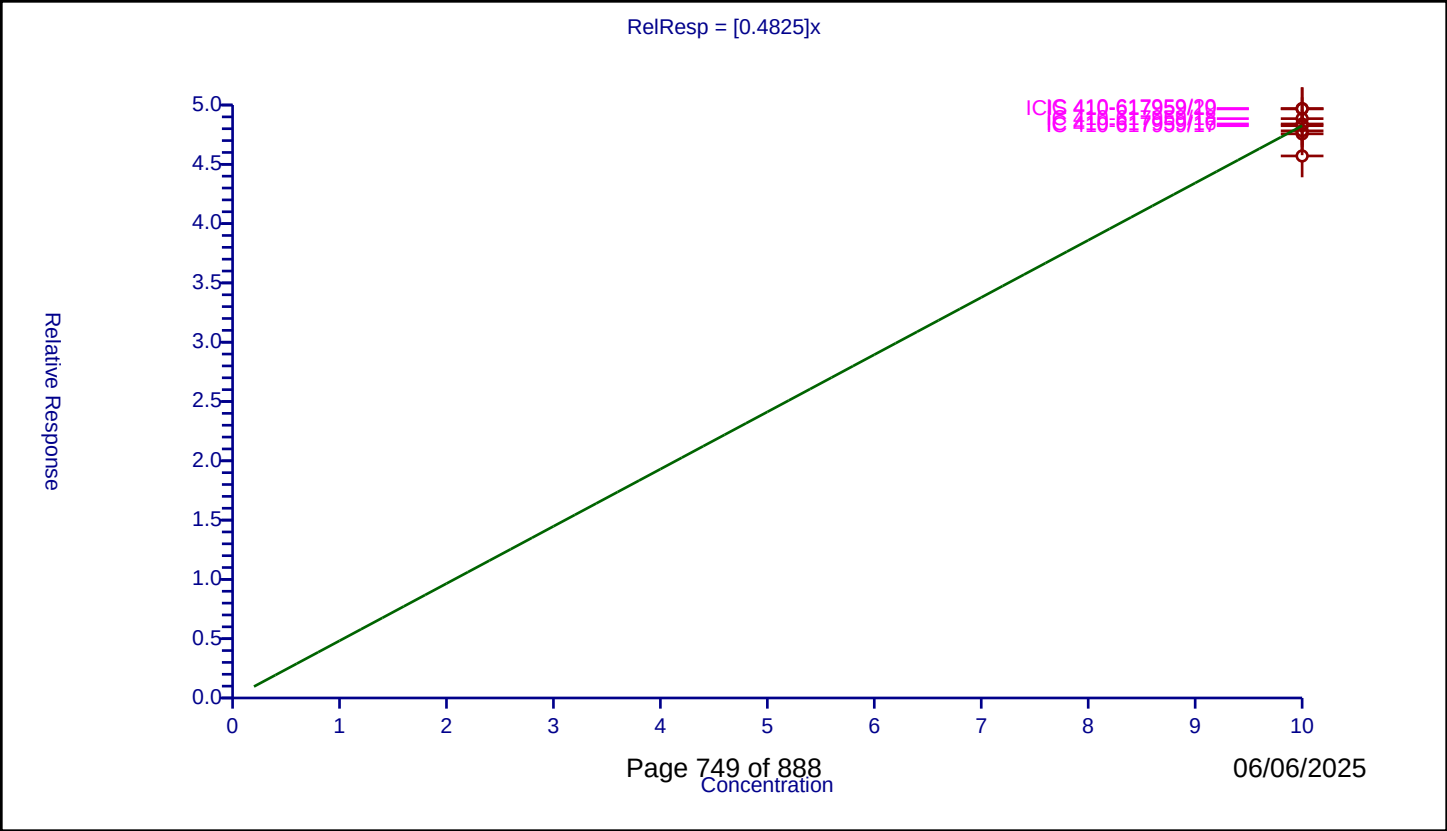
/ 4-Bromofluorobenzene (Surr)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4825
Error Coefficients	

Relative Standard Deviation: 2.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/13	10.0	4.570609	10.0	1390900.0	0.457061	Y
2	IC 410-617959/14	10.0	4.756927	10.0	1591685.0	0.475693	Y
3	IC 410-617959/15	10.0	4.782246	10.0	1402824.0	0.478225	Y
4	IC 410-617959/16	10.0	4.840065	10.0	1645732.0	0.484007	Y
5	IC 410-617959/17	10.0	4.825589	10.0	1459225.0	0.482559	Y
6	IC 410-617959/18	10.0	4.885047	10.0	1785596.0	0.488505	Y
7	ICIS 410-617959/19	10.0	4.967225	10.0	1899624.0	0.496723	Y
8	IC 410-617959/20	10.0	4.970181	10.0	2048855.0	0.497018	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

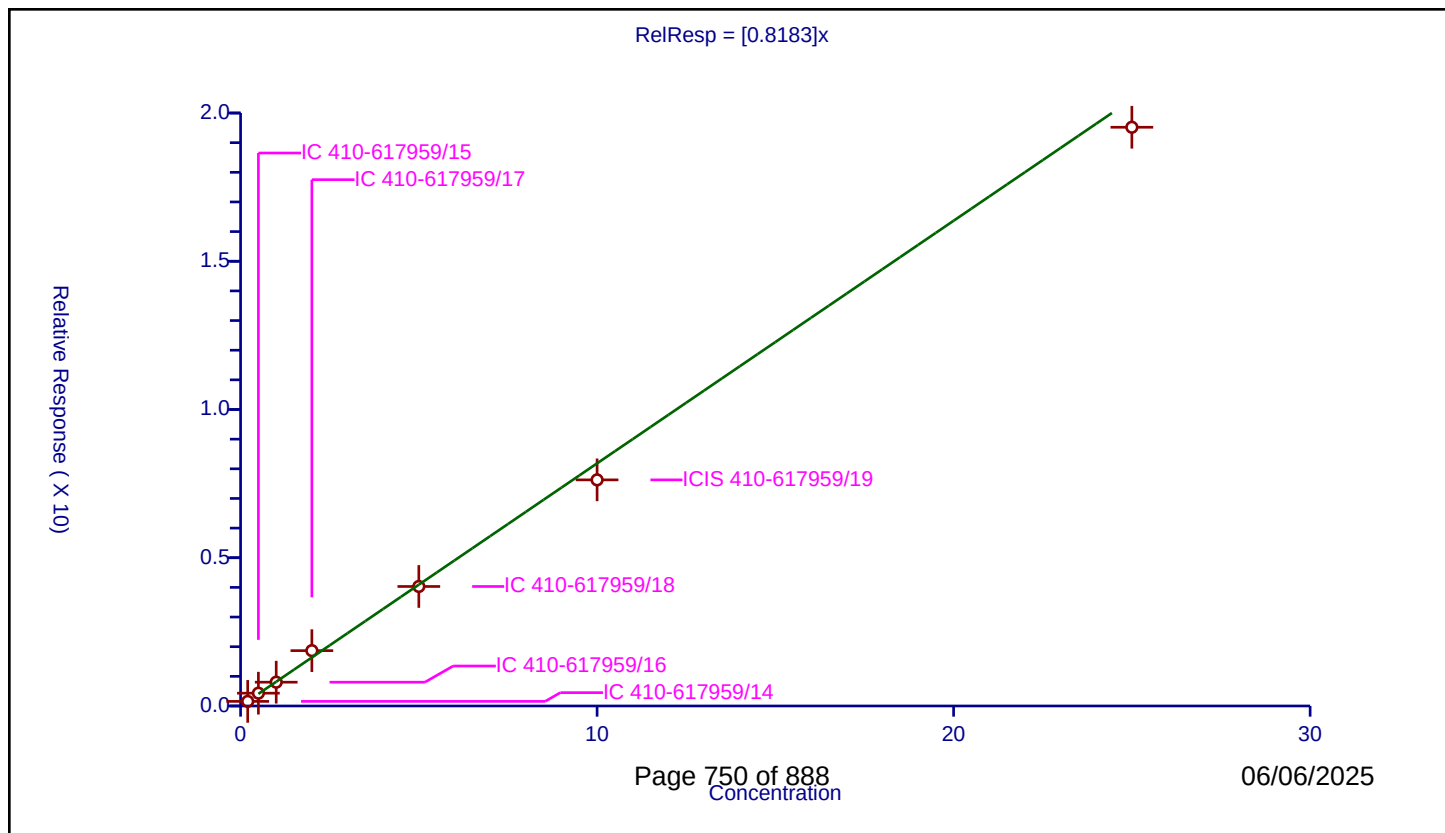
Curve Coefficients

Intercept: 0
Slope: 0.8183

Error Coefficients

Relative Standard Deviation: 7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.155557	10.0	911111.0	0.777787	Y
2	IC 410-617959/15	0.5	0.432346	10.0	802552.0	0.864692	Y
3	IC 410-617959/16	1.0	0.802735	10.0	945106.0	0.802735	Y
4	IC 410-617959/17	2.0	1.8667	10.0	823823.0	0.93335	Y
5	IC 410-617959/18	5.0	4.030694	10.0	1035499.0	0.806139	Y
6	ICIS 410-617959/19	10.0	7.626601	10.0	1112211.0	0.76266	Y
7	IC 410-617959/20	25.0	19.519976	10.0	1219190.0	0.780799	Y



Calibration

/ Bromobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

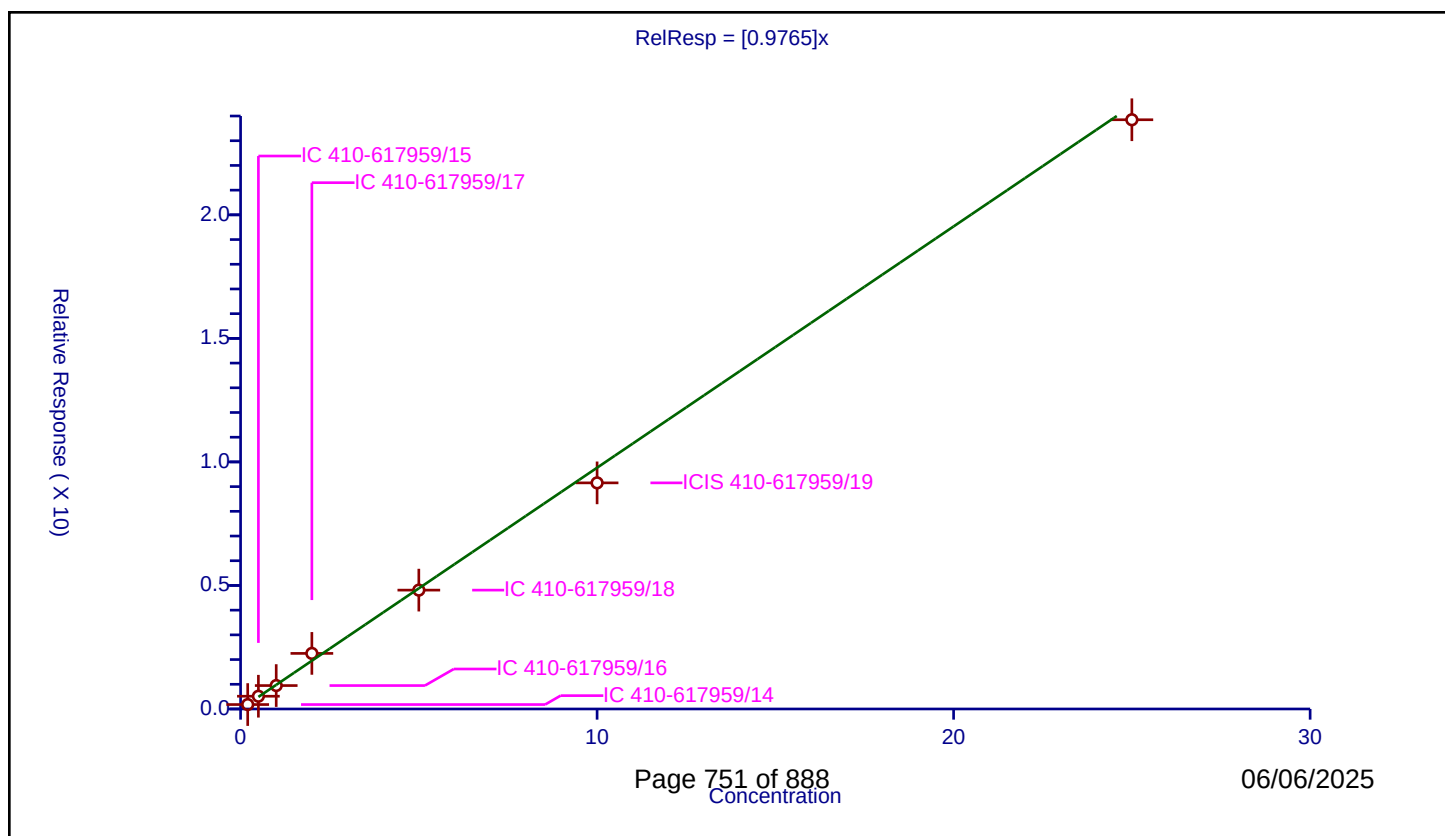
Curve Coefficients

Intercept: 0
Slope: 0.9765

Error Coefficients

Relative Standard Deviation: 8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.179868	10.0	911111.0	0.899342	Y
2	IC 410-617959/15	0.5	0.516104	10.0	802552.0	1.032207	Y
3	IC 410-617959/16	1.0	0.948306	10.0	945106.0	0.948306	Y
4	IC 410-617959/17	2.0	2.249282	10.0	823823.0	1.124641	Y
5	IC 410-617959/18	5.0	4.810927	10.0	1035499.0	0.962185	Y
6	ICIS 410-617959/19	10.0	9.151959	10.0	1112211.0	0.915196	Y
7	IC 410-617959/20	25.0	23.848383	10.0	1219190.0	0.953935	Y



Calibration

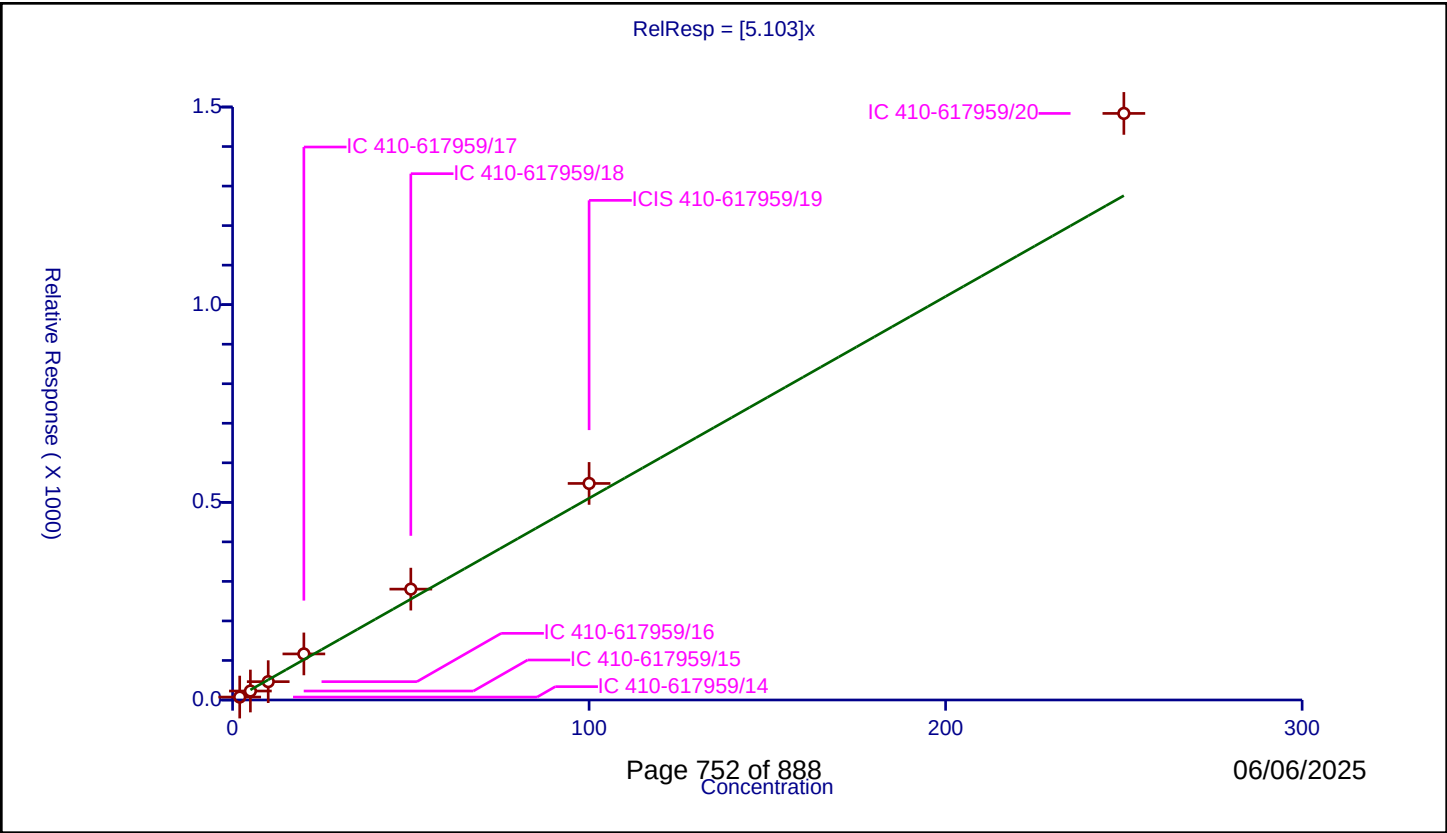
/ trans-1,4-Dichloro-2-butene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	5.103
Error Coefficients	

Relative Standard Deviation: 16.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	2.0	7.404467	50.0	173186.0	3.702233	Y
2	IC 410-617959/15	5.0	22.673962	50.0	150234.0	4.534792	Y
3	IC 410-617959/16	10.0	46.388164	50.0	176683.0	4.638816	Y
4	IC 410-617959/17	20.0	116.513706	50.0	155813.0	5.825685	Y
5	IC 410-617959/18	50.0	280.471079	50.0	177762.0	5.609422	Y
6	ICIS 410-617959/19	100.0	547.810014	50.0	197604.0	5.4781	Y
7	IC 410-617959/20	250.0	1483.780746	50.0	216169.0	5.935123	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

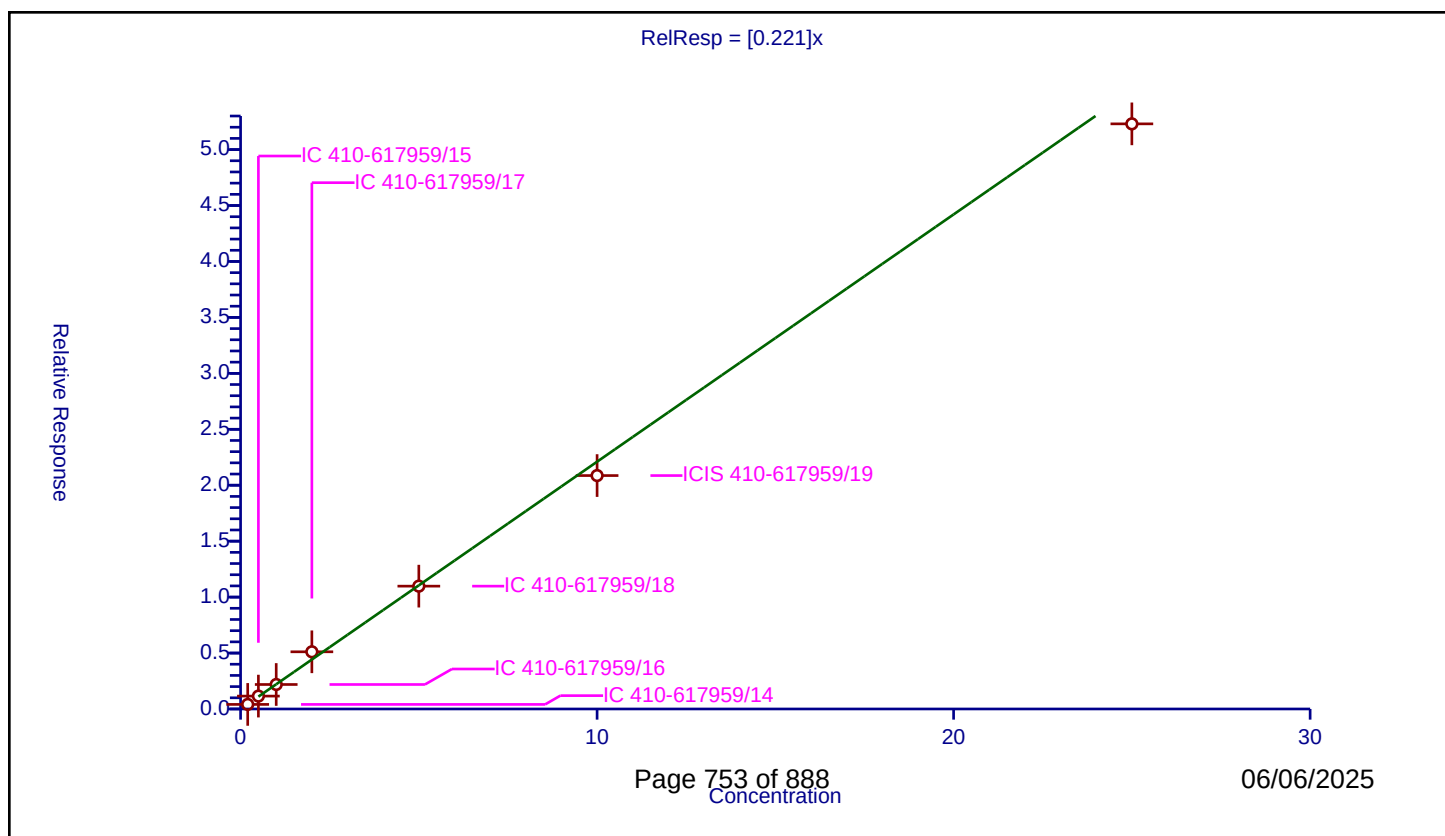
Curve Coefficients

Intercept: 0
 Slope: 0.221

Error Coefficients

Relative Standard Deviation: 8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.040906	10.0	911111.0	0.204531	Y
2	IC 410-617959/15	0.5	0.115332	10.0	802552.0	0.230664	Y
3	IC 410-617959/16	1.0	0.218896	10.0	945106.0	0.218896	Y
4	IC 410-617959/17	2.0	0.511153	10.0	823823.0	0.255577	Y
5	IC 410-617959/18	5.0	1.098021	10.0	1035499.0	0.219604	Y
6	ICIS 410-617959/19	10.0	2.086403	10.0	1112211.0	0.20864	Y
7	IC 410-617959/20	25.0	5.229833	10.0	1219190.0	0.209193	Y



Calibration

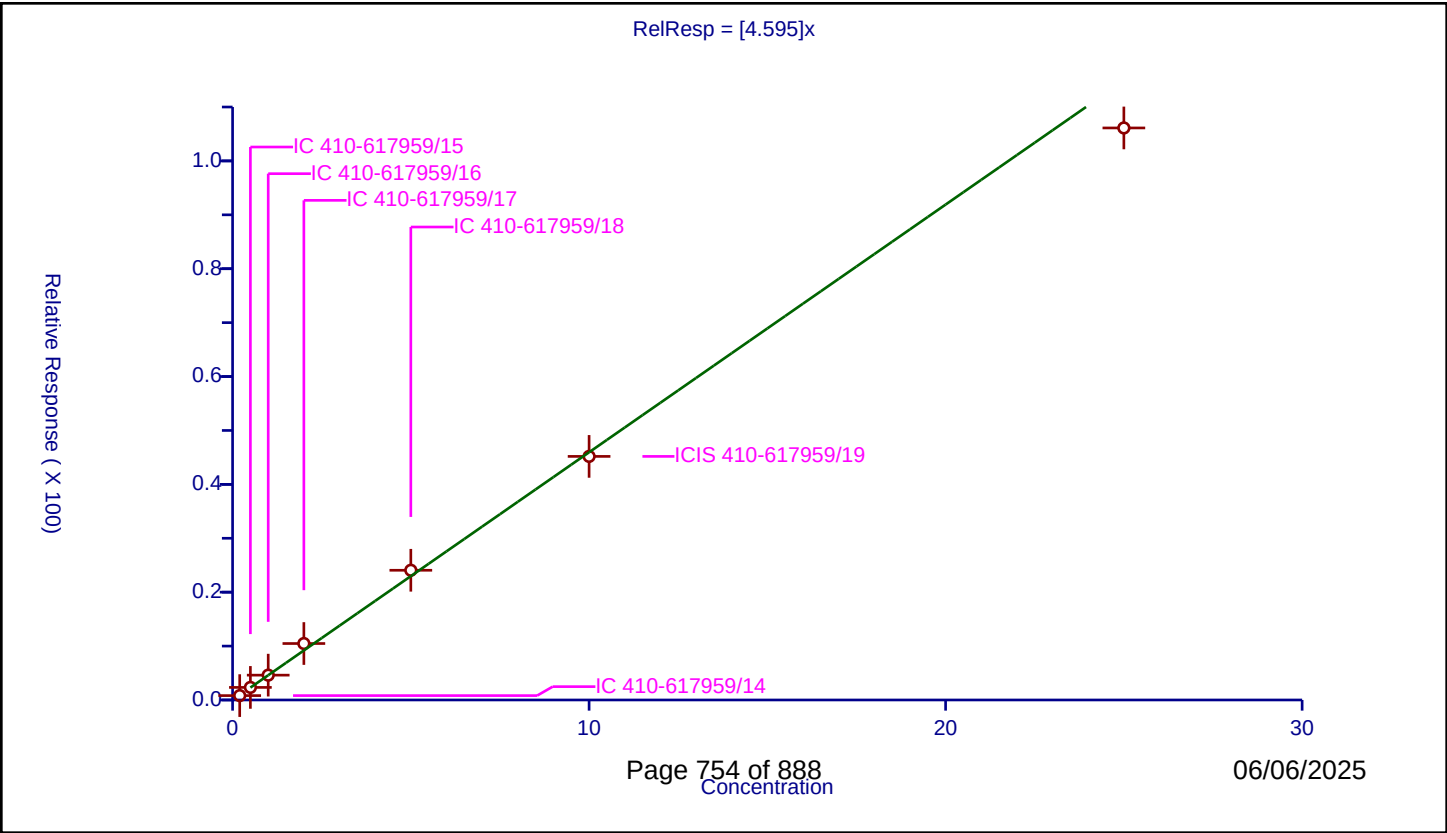
/ N-Propylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	4.595
Error Coefficients	

Relative Standard Deviation: 8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.814829	10.0	911111.0	4.074147	Y
2	IC 410-617959/15	0.5	2.333955	10.0	802552.0	4.667909	Y
3	IC 410-617959/16	1.0	4.609028	10.0	945106.0	4.609028	Y
4	IC 410-617959/17	2.0	10.474313	10.0	823823.0	5.237157	Y
5	IC 410-617959/18	5.0	24.066088	10.0	1035499.0	4.813218	Y
6	ICIS 410-617959/19	10.0	45.188638	10.0	1112211.0	4.518864	Y
7	IC 410-617959/20	25.0	106.115733	10.0	1219190.0	4.244629	Y



Calibration

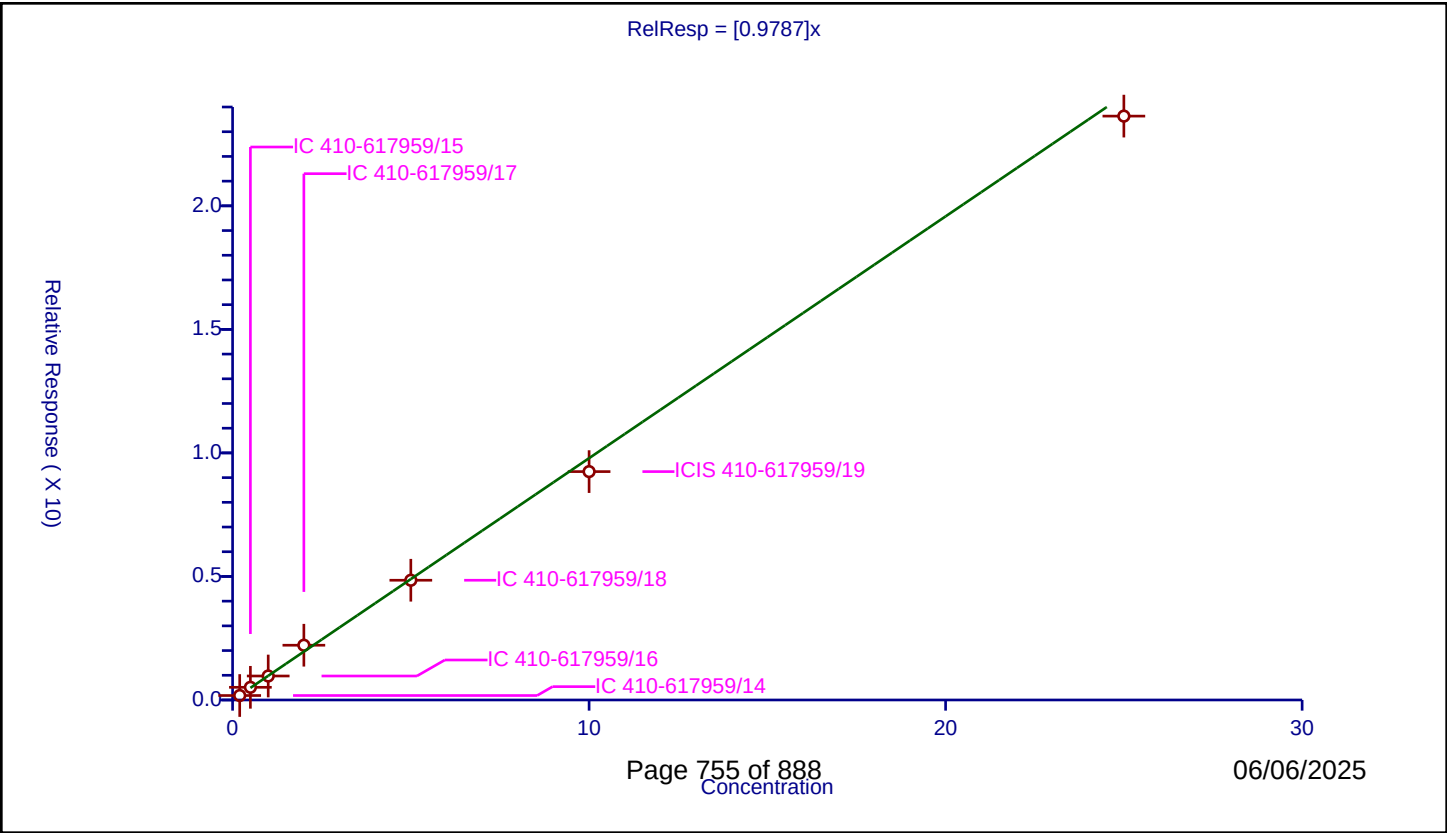
/ 2-Chlorotoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9787
Error Coefficients	

Relative Standard Deviation: 7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.181273	10.0	911111.0	0.906366	Y
2	IC 410-617959/15	0.5	0.513188	10.0	802552.0	1.026376	Y
3	IC 410-617959/16	1.0	0.97114	10.0	945106.0	0.97114	Y
4	IC 410-617959/17	2.0	2.216168	10.0	823823.0	1.108084	Y
5	IC 410-617959/18	5.0	4.846465	10.0	1035499.0	0.969293	Y
6	ICIS 410-617959/19	10.0	9.244028	10.0	1112211.0	0.924403	Y
7	IC 410-617959/20	25.0	23.63187	10.0	1219190.0	0.945275	Y



Calibration

/ 1,3,5-Trimethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

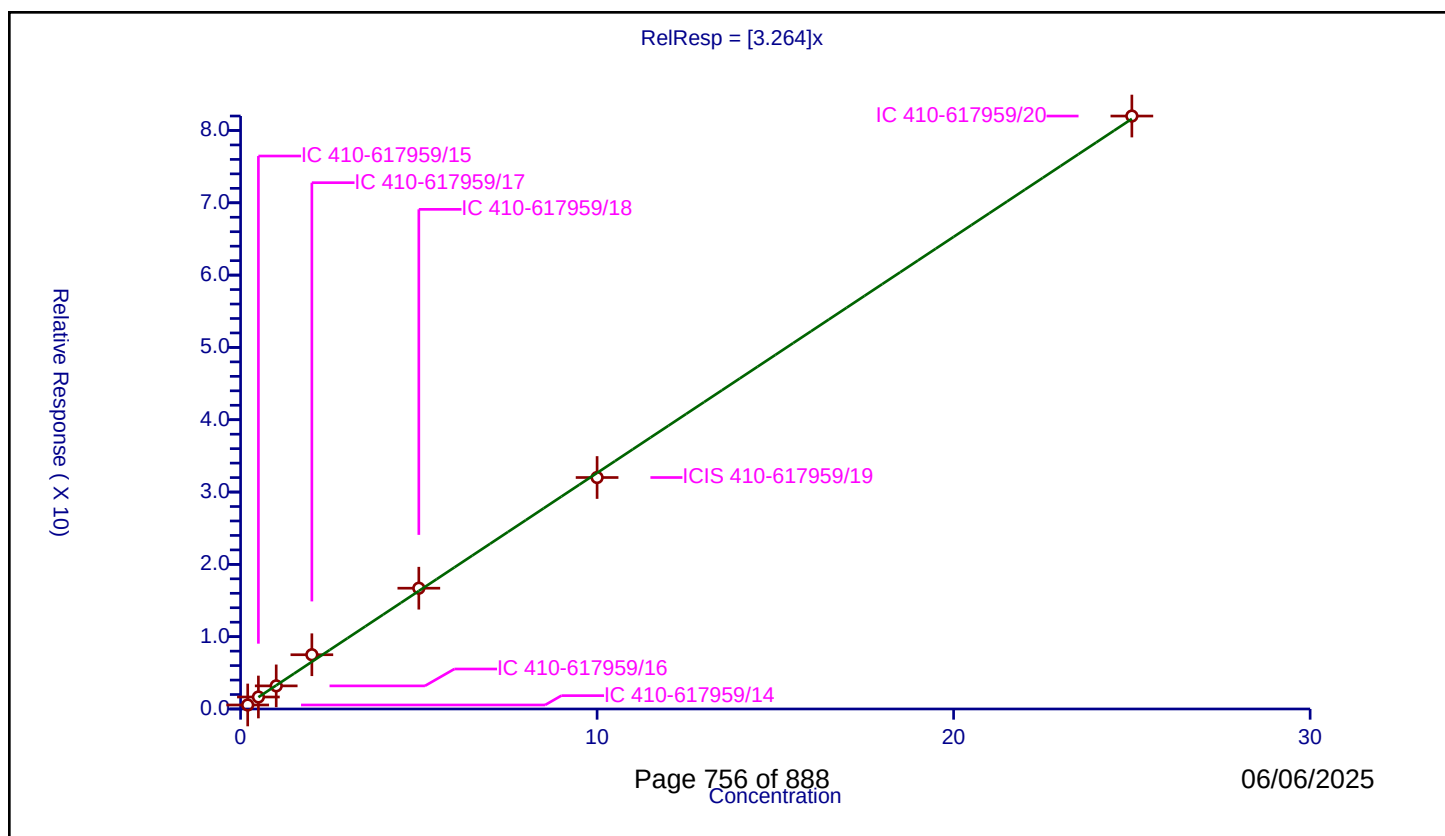
Curve Coefficients

Intercept: 0
Slope: 3.264

Error Coefficients

Relative Standard Deviation: 8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.554071	10.0	911111.0	2.770354	Y
2	IC 410-617959/15	0.5	1.655781	10.0	802552.0	3.311561	Y
3	IC 410-617959/16	1.0	3.196668	10.0	945106.0	3.196668	Y
4	IC 410-617959/17	2.0	7.501199	10.0	823823.0	3.750599	Y
5	IC 410-617959/18	5.0	16.704922	10.0	1035499.0	3.340984	Y
6	ICIS 410-617959/19	10.0	32.0088	10.0	1112211.0	3.20088	Y
7	IC 410-617959/20	25.0	81.996596	10.0	1219190.0	3.279864	Y



Calibration

/ 4-Chlorotoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

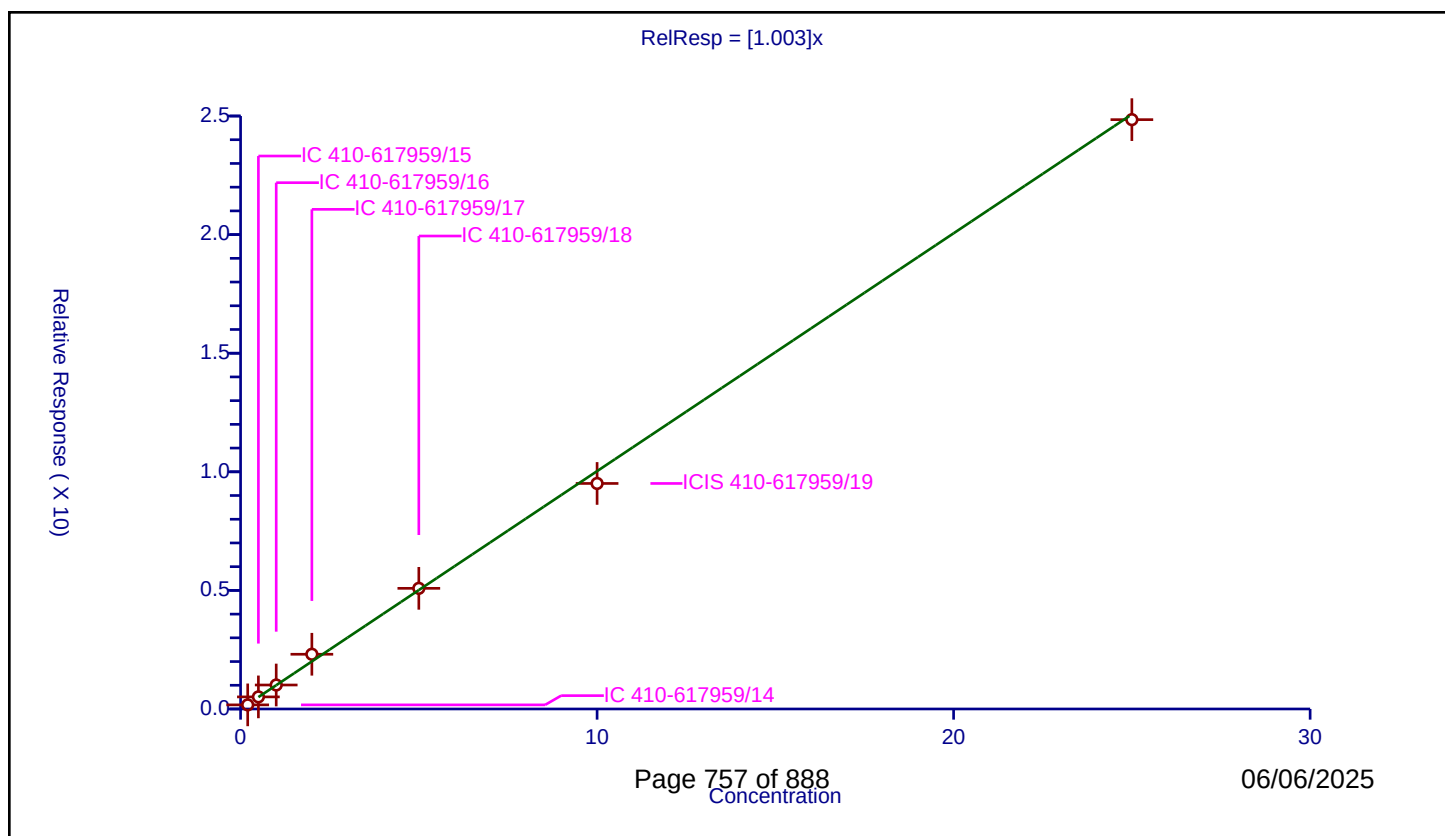
Curve Coefficients

Intercept: 0
Slope: 1.003

Error Coefficients

Relative Standard Deviation: 8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.174249	10.0	911111.0	0.871244	Y
2	IC 410-617959/15	0.5	0.510359	10.0	802552.0	1.020719	Y
3	IC 410-617959/16	1.0	1.011368	10.0	945106.0	1.011368	Y
4	IC 410-617959/17	2.0	2.307899	10.0	823823.0	1.153949	Y
5	IC 410-617959/18	5.0	5.087093	10.0	1035499.0	1.017419	Y
6	ICIS 410-617959/19	10.0	9.508268	10.0	1112211.0	0.950827	Y
7	IC 410-617959/20	25.0	24.847374	10.0	1219190.0	0.993895	Y



Calibration

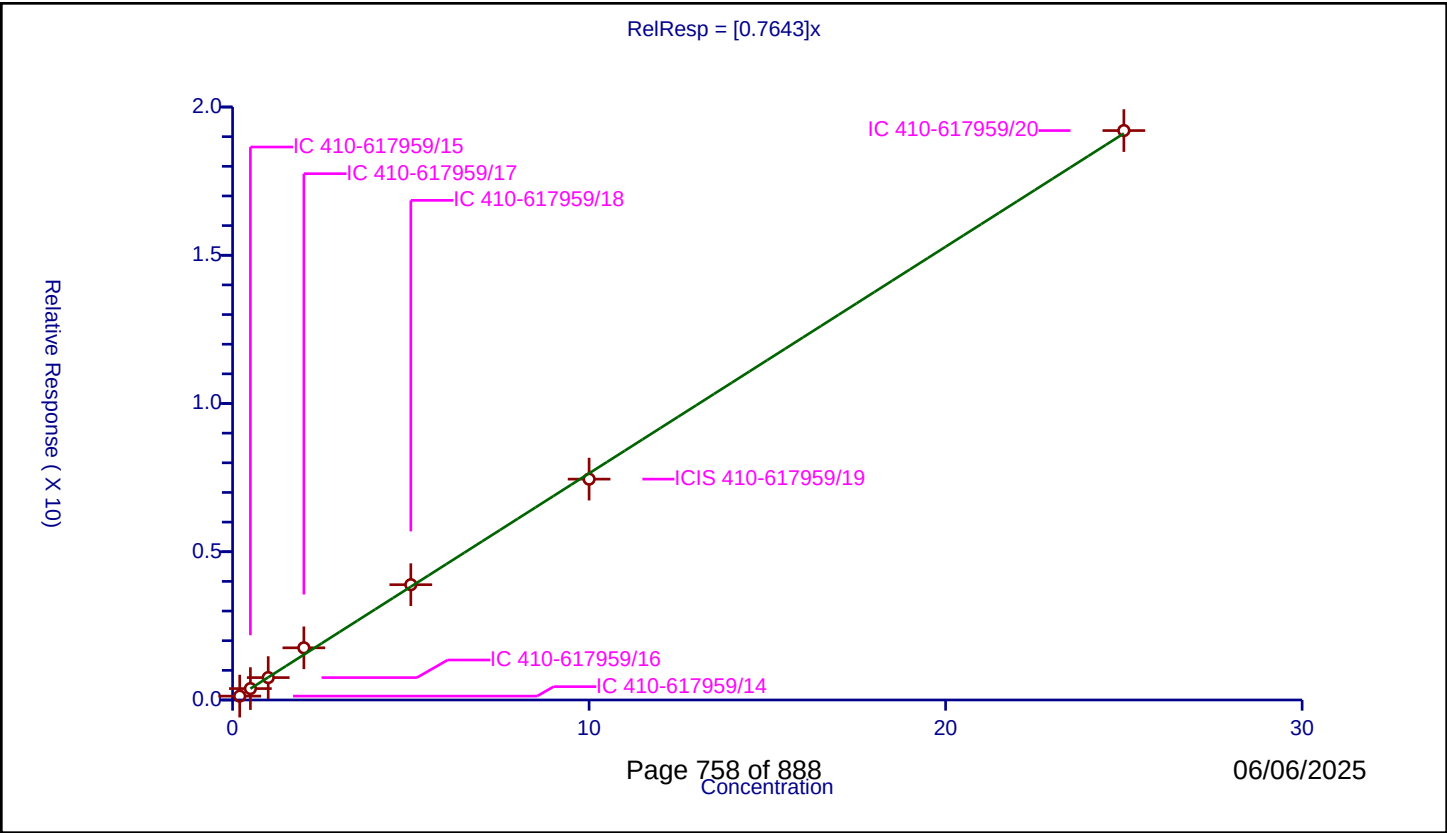
/ tert-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.7643
Error Coefficients	

Relative Standard Deviation: 8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.131246	10.0	911111.0	0.656232	Y
2	IC 410-617959/15	0.5	0.384336	10.0	802552.0	0.768673	Y
3	IC 410-617959/16	1.0	0.754899	10.0	945106.0	0.754899	Y
4	IC 410-617959/17	2.0	1.759346	10.0	823823.0	0.879673	Y
5	IC 410-617959/18	5.0	3.888396	10.0	1035499.0	0.777679	Y
6	ICIS 410-617959/19	10.0	7.449396	10.0	1112211.0	0.74494	Y
7	IC 410-617959/20	25.0	19.205948	10.0	1219190.0	0.768238	Y



Calibration

/ Pentachloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

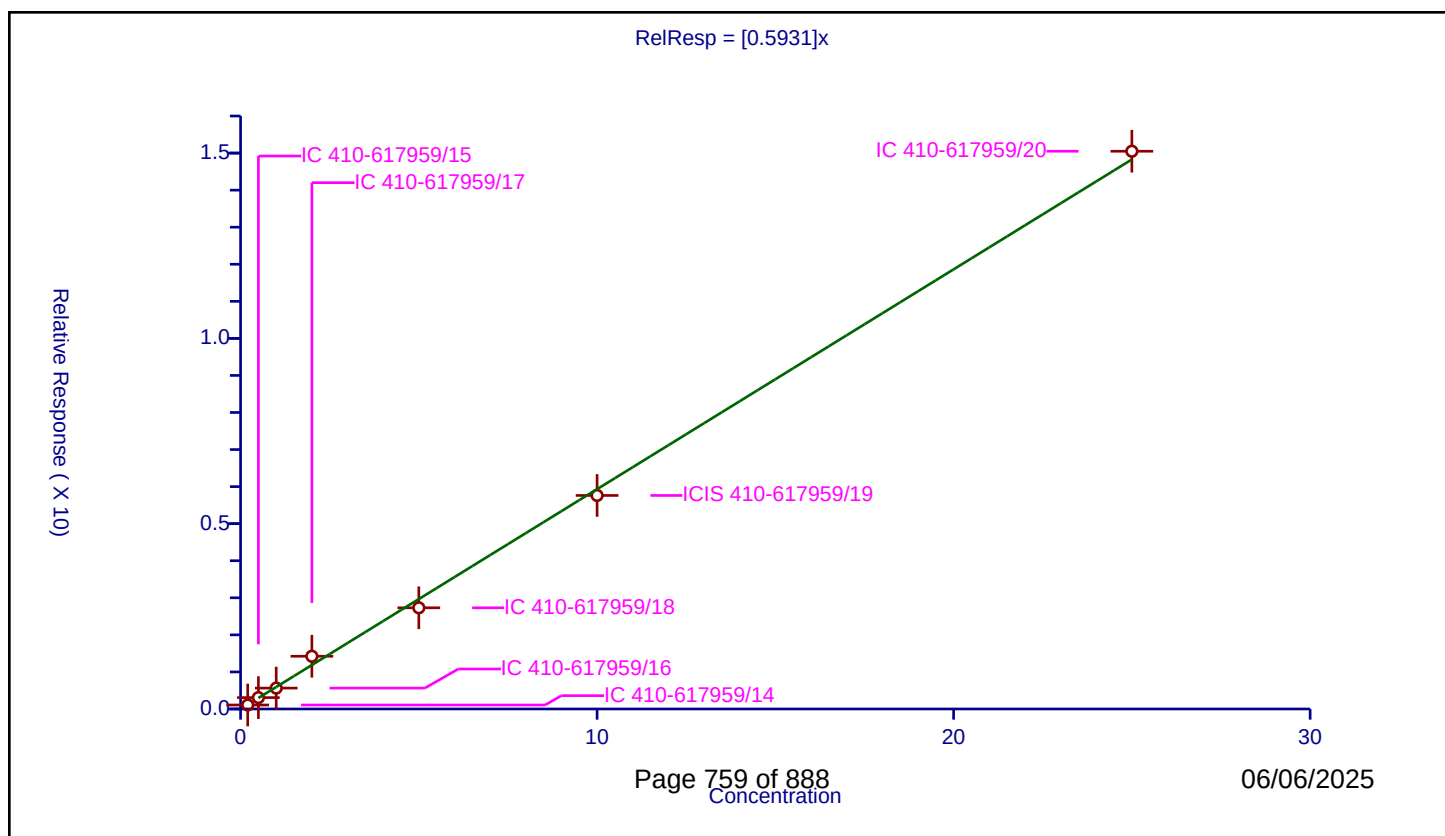
Curve Coefficients

Intercept: 0
Slope: 0.5931

Error Coefficients

Relative Standard Deviation: 9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.107868	10.0	911111.0	0.539342	Y
2	IC 410-617959/15	0.5	0.306597	10.0	802552.0	0.613194	Y
3	IC 410-617959/16	1.0	0.563725	10.0	945106.0	0.563725	Y
4	IC 410-617959/17	2.0	1.422939	10.0	823823.0	0.71147	Y
5	IC 410-617959/18	5.0	2.73023	10.0	1035499.0	0.546046	Y
6	ICIS 410-617959/19	10.0	5.761398	10.0	1112211.0	0.57614	Y
7	IC 410-617959/20	25.0	15.049525	10.0	1219190.0	0.601981	Y



Calibration

/ 1,2,4-Trimethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

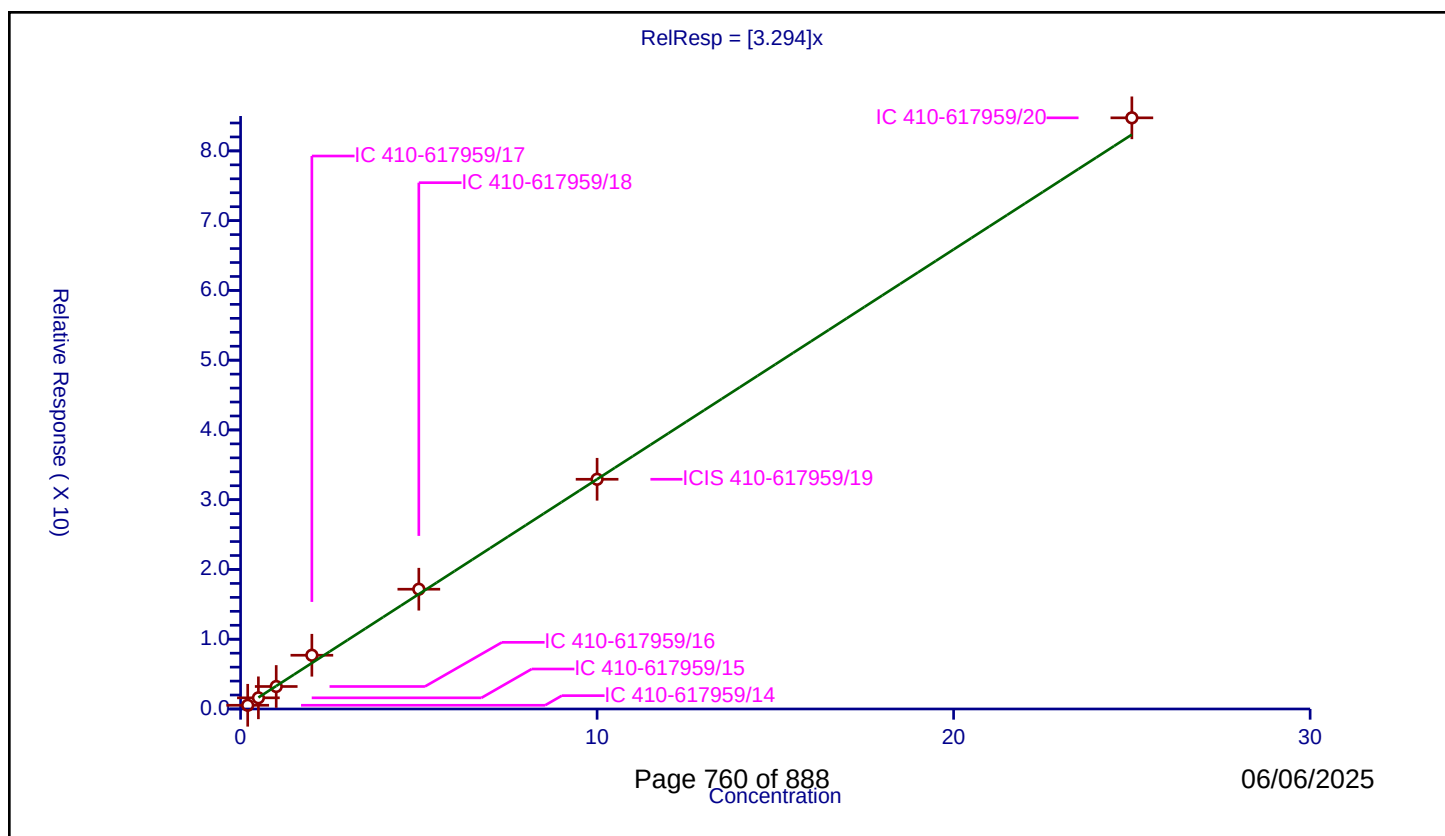
Curve Coefficients

Intercept: 0
Slope: 3.294

Error Coefficients

Relative Standard Deviation: 10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.532218	10.0	911111.0	2.661092	Y
2	IC 410-617959/15	0.5	1.600619	10.0	802552.0	3.201238	Y
3	IC 410-617959/16	1.0	3.223596	10.0	945106.0	3.223596	Y
4	IC 410-617959/17	2.0	7.705927	10.0	823823.0	3.852964	Y
5	IC 410-617959/18	5.0	17.168187	10.0	1035499.0	3.433637	Y
6	ICIS 410-617959/19	10.0	32.929831	10.0	1112211.0	3.292983	Y
7	IC 410-617959/20	25.0	84.740967	10.0	1219190.0	3.389639	Y



Calibration

/ sec-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

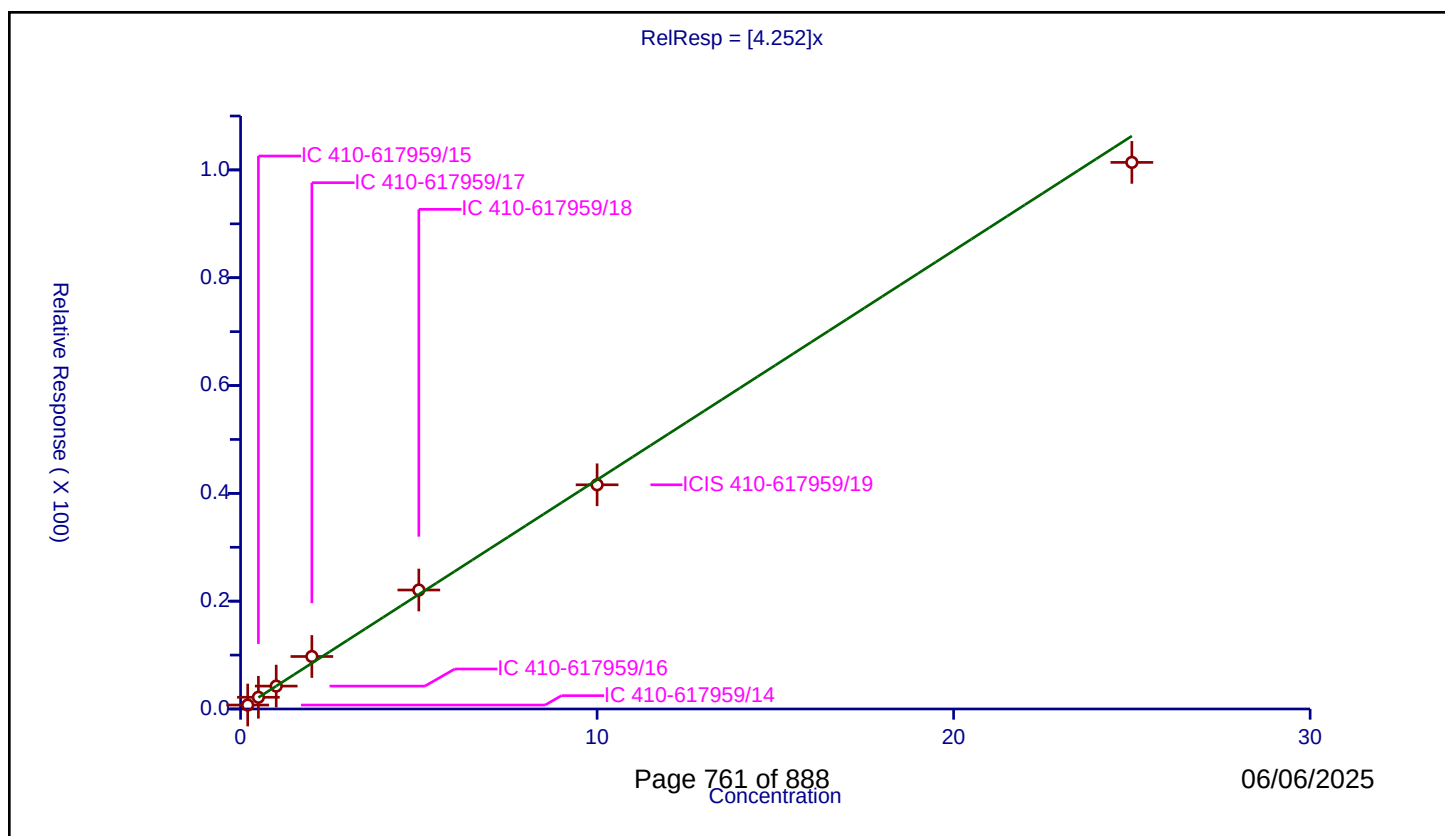
Curve Coefficients

Intercept: 0
Slope: 4.252

Error Coefficients

Relative Standard Deviation: 8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.73395	10.0	911111.0	3.66975	Y
2	IC 410-617959/15	0.5	2.173666	10.0	802552.0	4.347332	Y
3	IC 410-617959/16	1.0	4.247164	10.0	945106.0	4.247164	Y
4	IC 410-617959/17	2.0	9.736169	10.0	823823.0	4.868085	Y
5	IC 410-617959/18	5.0	22.069843	10.0	1035499.0	4.413969	Y
6	ICIS 410-617959/19	10.0	41.591577	10.0	1112211.0	4.159158	Y
7	IC 410-617959/20	25.0	101.396173	10.0	1219190.0	4.055847	Y



Calibration

/ 1,3-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

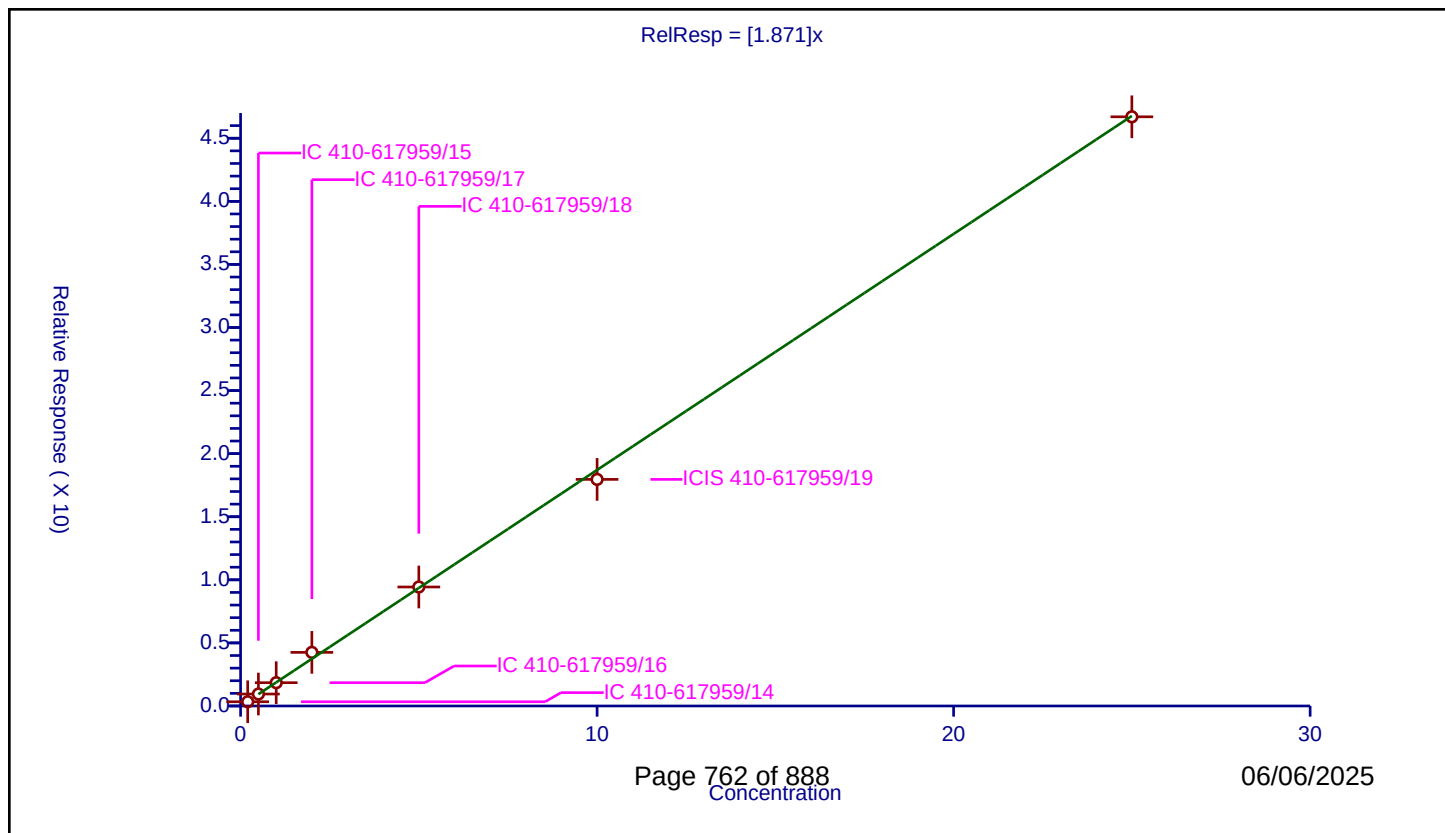
Curve Coefficients

Intercept: 0
Slope: 1.871

Error Coefficients

Relative Standard Deviation: 7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.335085	10.0	911111.0	1.675427	Y
2	IC 410-617959/15	0.5	0.948761	10.0	802552.0	1.897522	Y
3	IC 410-617959/16	1.0	1.84646	10.0	945106.0	1.84646	Y
4	IC 410-617959/17	2.0	4.250051	10.0	823823.0	2.125026	Y
5	IC 410-617959/18	5.0	9.432525	10.0	1035499.0	1.886505	Y
6	ICIS 410-617959/19	10.0	17.960099	10.0	1112211.0	1.79601	Y
7	IC 410-617959/20	25.0	46.699095	10.0	1219190.0	1.867964	Y



Calibration

/ 4-Isopropyltoluene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

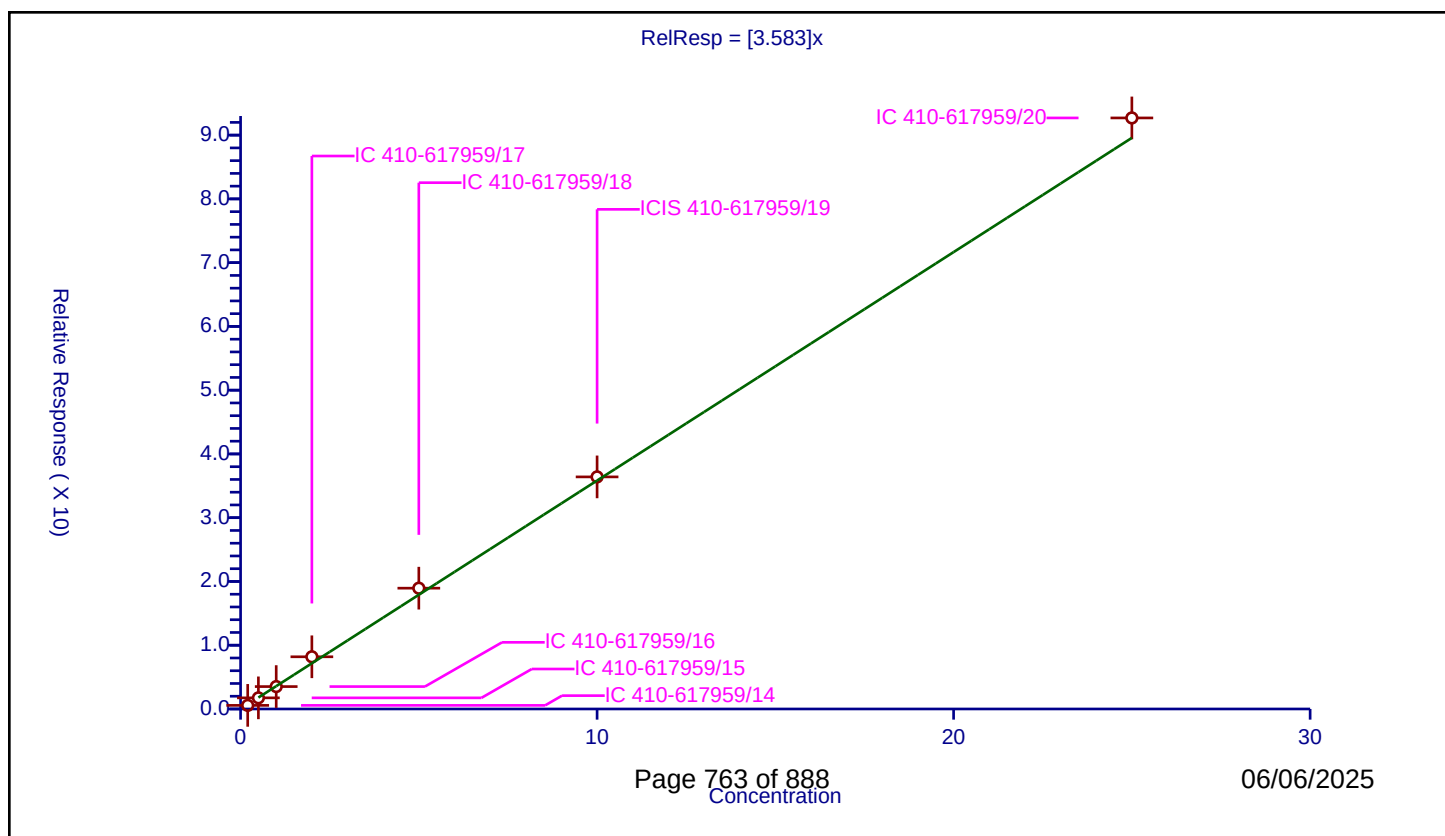
Curve Coefficients

Intercept: 0
 Slope: 3.583

Error Coefficients

Relative Standard Deviation: 10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.56846	10.0	911111.0	2.842299	Y
2	IC 410-617959/15	0.5	1.744373	10.0	802552.0	3.488746	Y
3	IC 410-617959/16	1.0	3.516854	10.0	945106.0	3.516854	Y
4	IC 410-617959/17	2.0	8.188531	10.0	823823.0	4.094265	Y
5	IC 410-617959/18	5.0	18.946518	10.0	1035499.0	3.789304	Y
6	ICIS 410-617959/19	10.0	36.40124	10.0	1112211.0	3.640124	Y
7	IC 410-617959/20	25.0	92.699325	10.0	1219190.0	3.707973	Y



Calibration

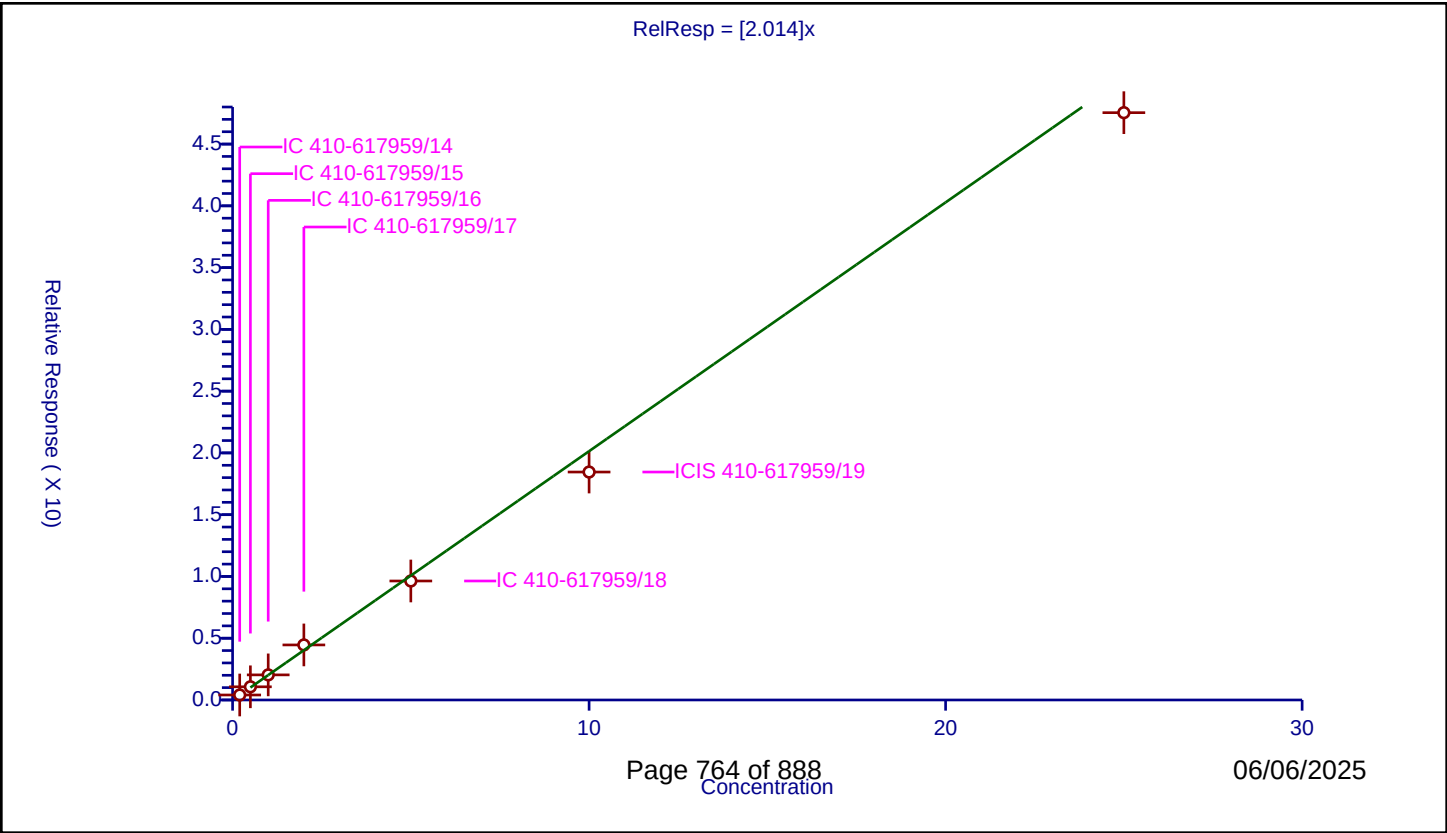
/ 1,4-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.014
Error Coefficients	

Relative Standard Deviation: 6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.405472	10.0	911111.0	2.02736	Y
2	IC 410-617959/15	0.5	1.068292	10.0	802552.0	2.136584	Y
3	IC 410-617959/16	1.0	2.03191	10.0	945106.0	2.03191	Y
4	IC 410-617959/17	2.0	4.456394	10.0	823823.0	2.228197	Y
5	IC 410-617959/18	5.0	9.633655	10.0	1035499.0	1.926731	Y
6	ICIS 410-617959/19	10.0	18.453504	10.0	1112211.0	1.84535	Y
7	IC 410-617959/20	25.0	47.541876	10.0	1219190.0	1.901675	Y



Calibration

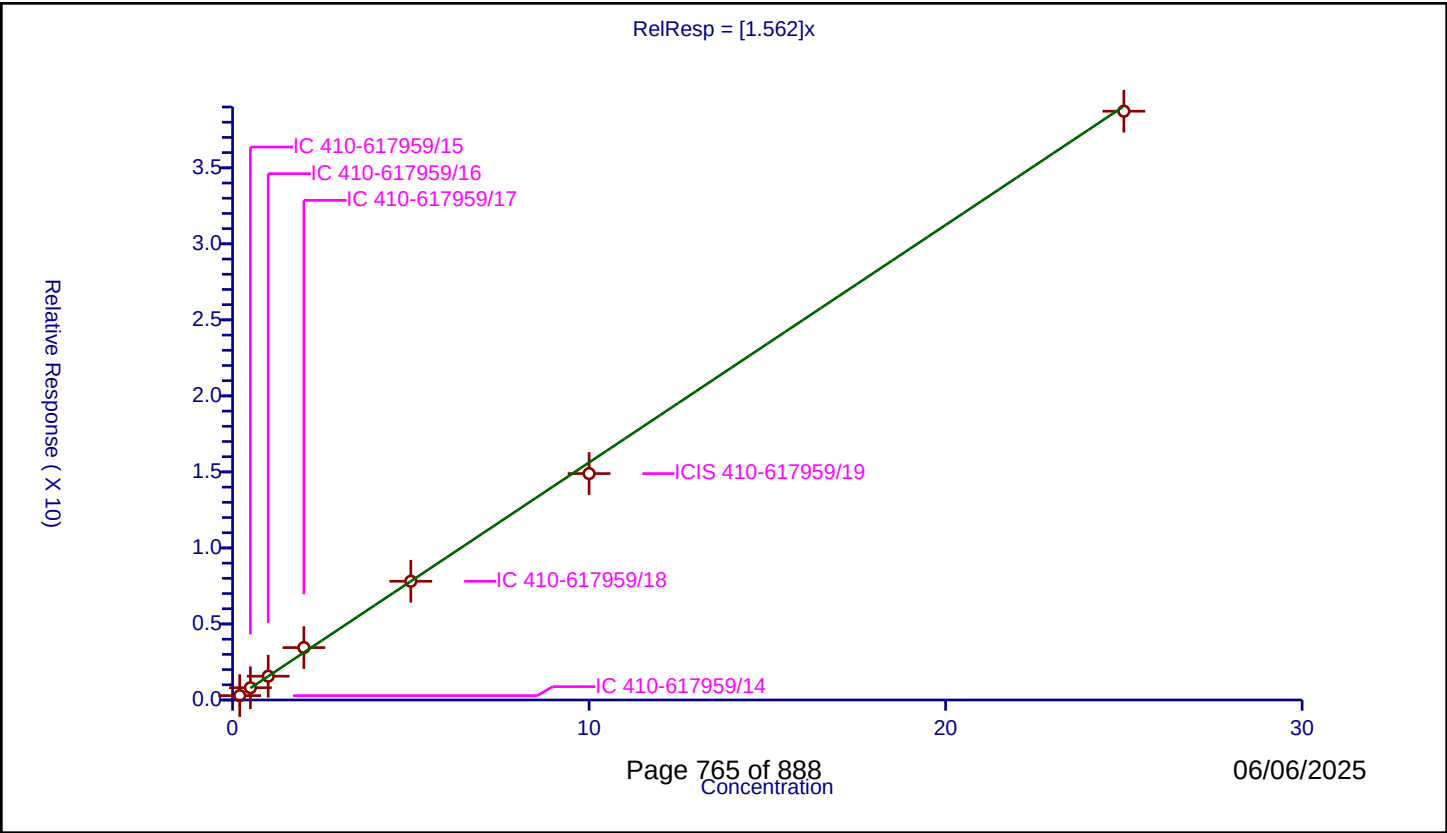
/ 1,2,3-Trimethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.562
Error Coefficients	

Relative Standard Deviation: 5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.287298	10.0	911111.0	1.436488	Y
2	IC 410-617959/15	0.5	0.805854	10.0	802552.0	1.611709	Y
3	IC 410-617959/16	1.0	1.563243	10.0	945106.0	1.563243	Y
4	IC 410-617959/17	2.0	3.445813	10.0	823823.0	1.722906	Y
5	IC 410-617959/18	5.0	7.808438	10.0	1035499.0	1.561688	Y
6	ICIS 410-617959/19	10.0	14.891212	10.0	1112211.0	1.489121	Y
7	IC 410-617959/20	25.0	38.725162	10.0	1219190.0	1.549006	Y



Calibration

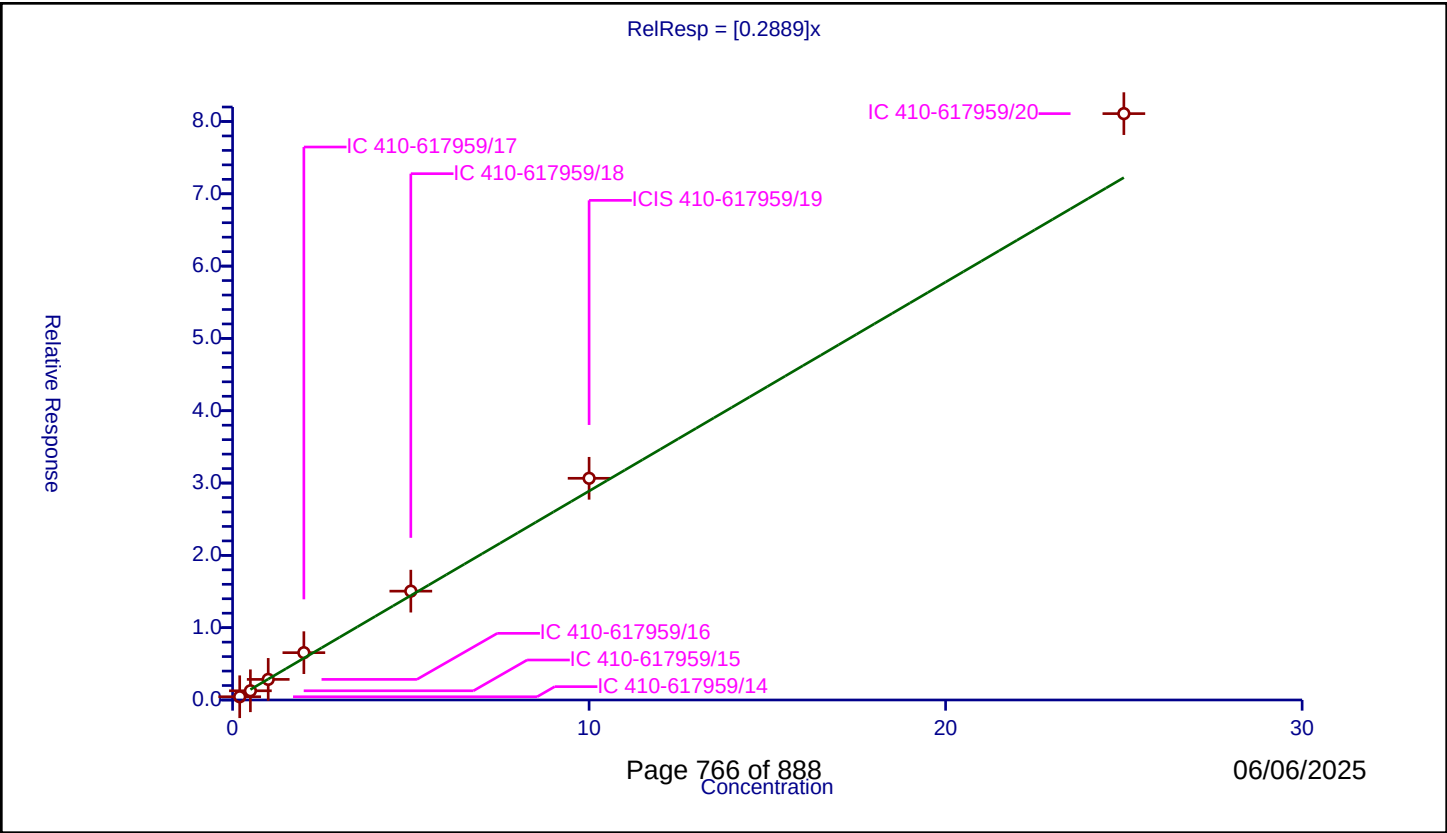
/ Benzyl chloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2889
Error Coefficients	

Relative Standard Deviation: 13.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.044748	10.0	911111.0	0.223738	Y
2	IC 410-617959/15	0.5	0.127568	10.0	802552.0	0.255136	Y
3	IC 410-617959/16	1.0	0.284719	10.0	945106.0	0.284719	Y
4	IC 410-617959/17	2.0	0.654279	10.0	823823.0	0.327139	Y
5	IC 410-617959/18	5.0	1.504975	10.0	1035499.0	0.300995	Y
6	ICIS 410-617959/19	10.0	3.065713	10.0	1112211.0	0.306571	Y
7	IC 410-617959/20	25.0	8.108654	10.0	1219190.0	0.324346	Y



Calibration

/ n-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

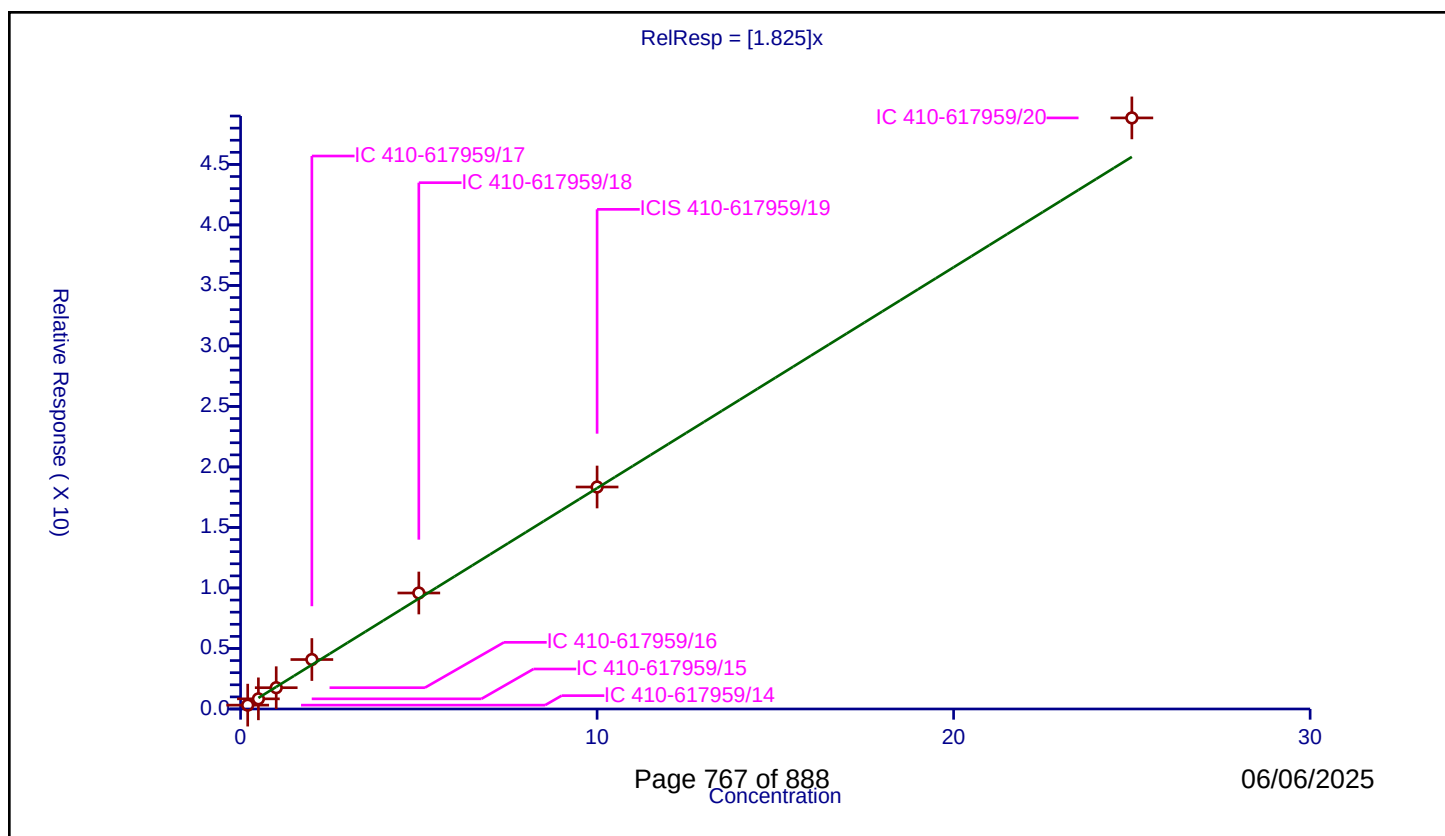
Curve Coefficients

Intercept: 0
Slope: 1.825

Error Coefficients

Relative Standard Deviation: 8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.318468	10.0	911111.0	1.592342	Y
2	IC 410-617959/15	0.5	0.83764	10.0	802552.0	1.675281	Y
3	IC 410-617959/16	1.0	1.75903	10.0	945106.0	1.75903	Y
4	IC 410-617959/17	2.0	4.086533	10.0	823823.0	2.043267	Y
5	IC 410-617959/18	5.0	9.584056	10.0	1035499.0	1.916811	Y
6	ICIS 410-617959/19	10.0	18.344775	10.0	1112211.0	1.834477	Y
7	IC 410-617959/20	25.0	48.842658	10.0	1219190.0	1.953706	Y



Calibration

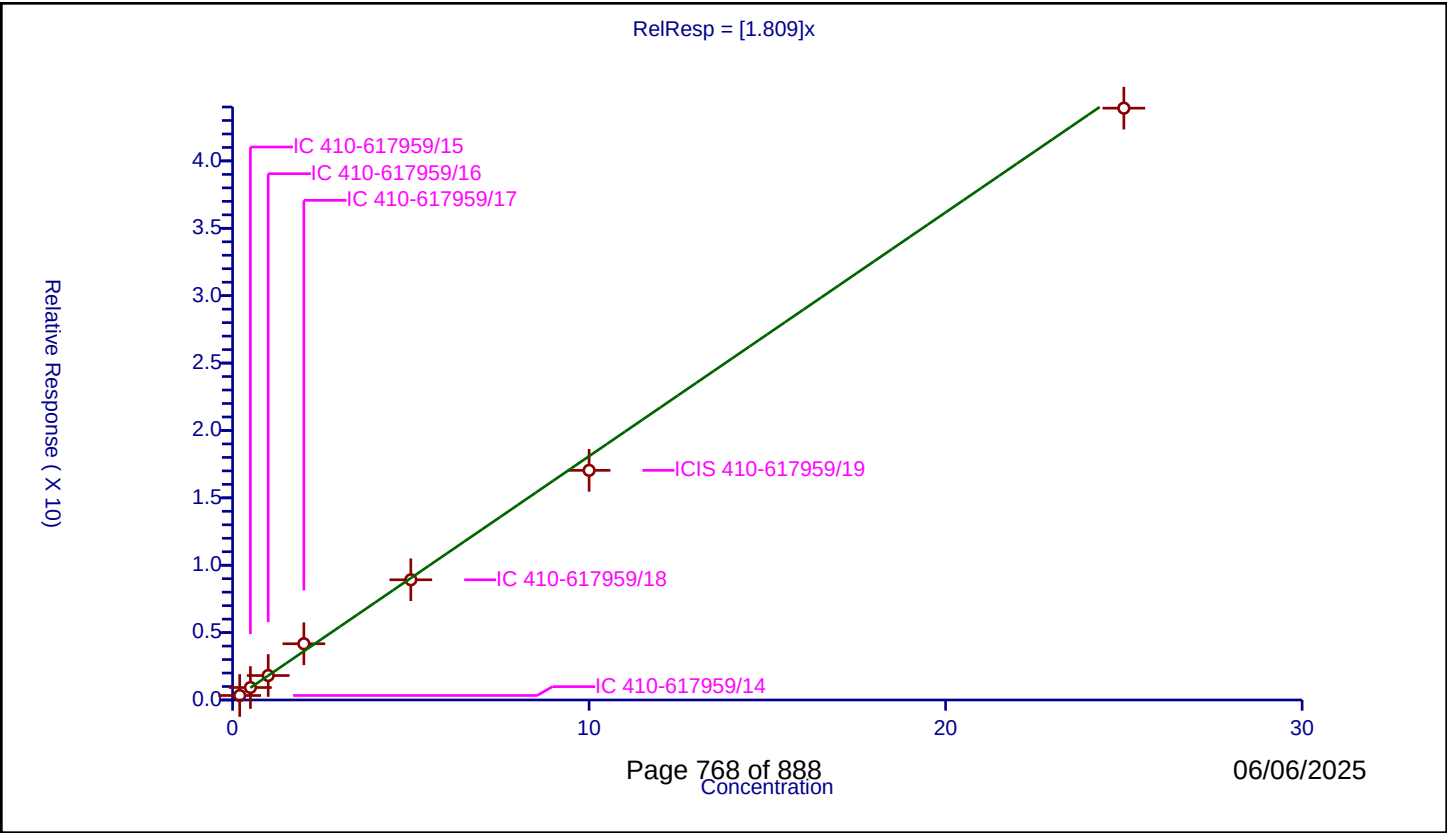
/ 1,2-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.809
Error Coefficients	

Relative Standard Deviation: 7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.333285	10.0	911111.0	1.666427	Y
2	IC 410-617959/15	0.5	0.924738	10.0	802552.0	1.849475	Y
3	IC 410-617959/16	1.0	1.816378	10.0	945106.0	1.816378	Y
4	IC 410-617959/17	2.0	4.172972	10.0	823823.0	2.086486	Y
5	IC 410-617959/18	5.0	8.91911	10.0	1035499.0	1.783822	Y
6	ICIS 410-617959/19	10.0	17.039644	10.0	1112211.0	1.703964	Y
7	IC 410-617959/20	25.0	43.914091	10.0	1219190.0	1.756564	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

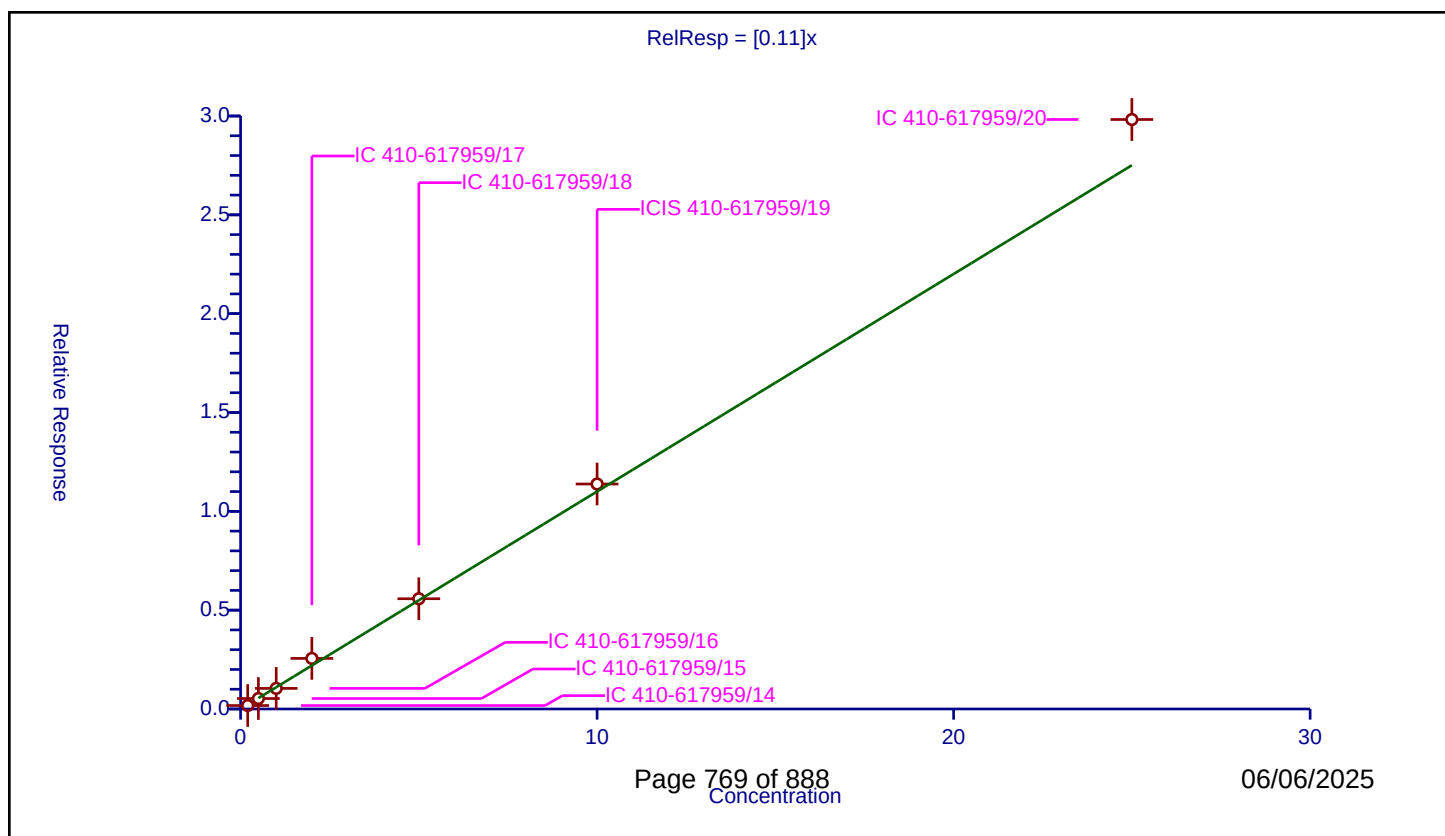
Curve Coefficients

Intercept: 0
Slope: 0.11

Error Coefficients

Relative Standard Deviation: 11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.017528	10.0	911111.0	0.08764	Y
2	IC 410-617959/15	0.5	0.052894	10.0	802552.0	0.105788	Y
3	IC 410-617959/16	1.0	0.104232	10.0	945106.0	0.104232	Y
4	IC 410-617959/17	2.0	0.255807	10.0	823823.0	0.127904	Y
5	IC 410-617959/18	5.0	0.557837	10.0	1035499.0	0.111567	Y
6	ICIS 410-617959/19	10.0	1.138219	10.0	1112211.0	0.113822	Y
7	IC 410-617959/20	25.0	2.982308	10.0	1219190.0	0.119292	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

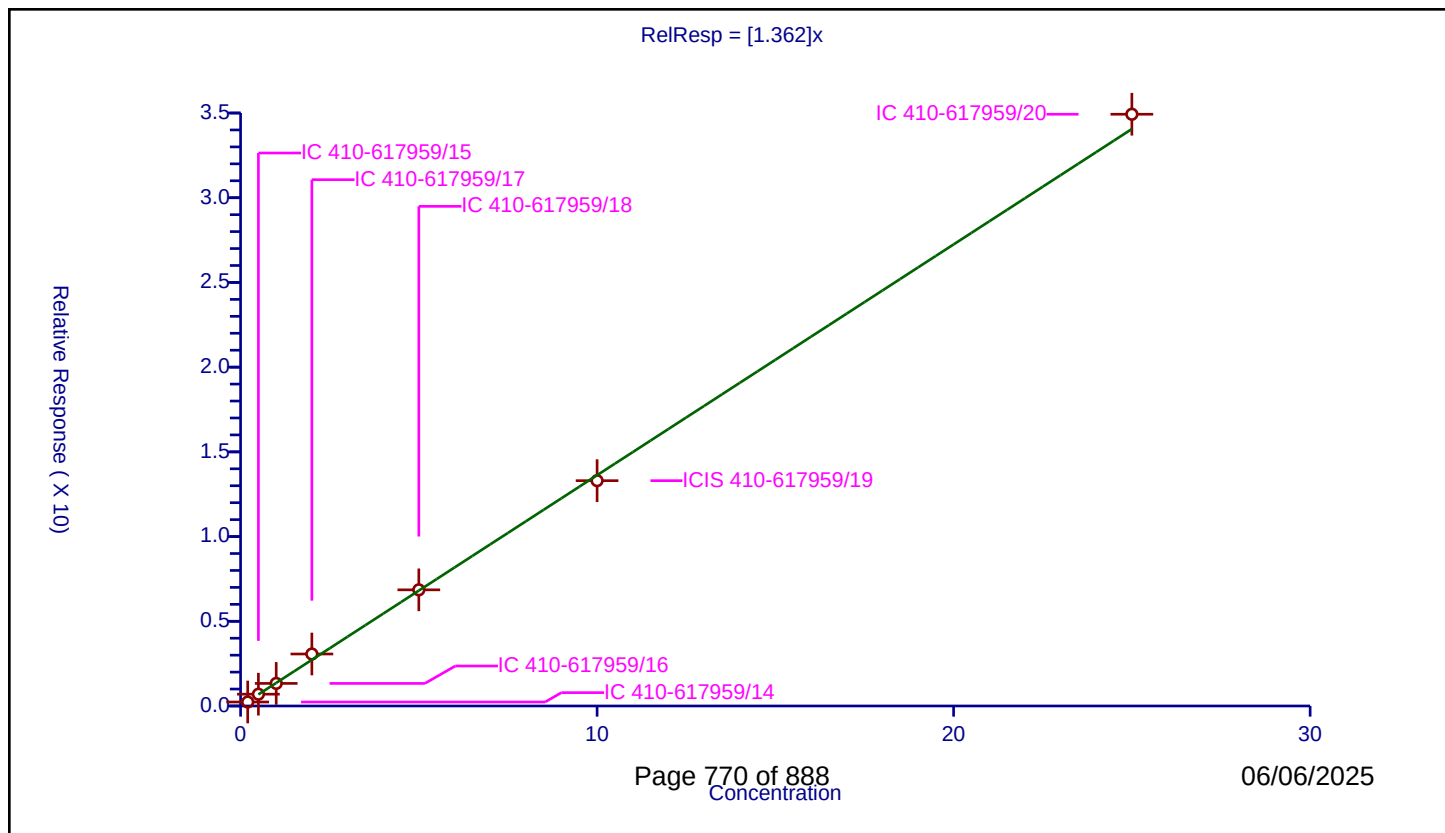
Curve Coefficients

Intercept: 0
 Slope: 1.362

Error Coefficients

Relative Standard Deviation: 7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.235723	10.0	911111.0	1.178616	Y
2	IC 410-617959/15	0.5	0.695743	10.0	802552.0	1.391486	Y
3	IC 410-617959/16	1.0	1.332866	10.0	945106.0	1.332866	Y
4	IC 410-617959/17	2.0	3.068463	10.0	823823.0	1.534231	Y
5	IC 410-617959/18	5.0	6.855545	10.0	1035499.0	1.371109	Y
6	ICIS 410-617959/19	10.0	13.299671	10.0	1112211.0	1.329967	Y
7	IC 410-617959/20	25.0	34.92696	10.0	1219190.0	1.397078	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

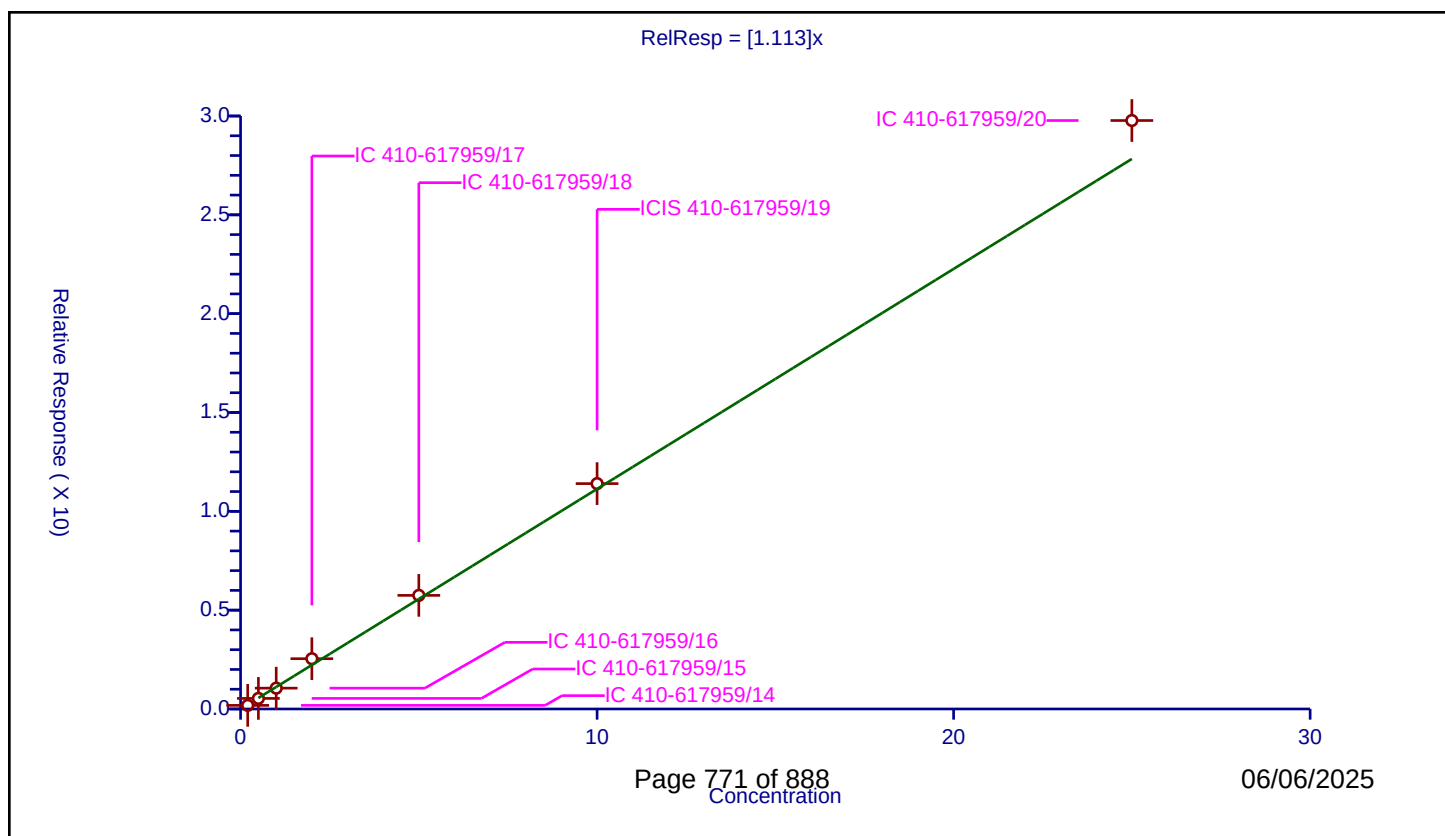
Curve Coefficients

Intercept: 0
Slope: 1.113

Error Coefficients

Relative Standard Deviation: 10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.183391	10.0	911111.0	0.916957	Y
2	IC 410-617959/15	0.5	0.534383	10.0	802552.0	1.068766	Y
3	IC 410-617959/16	1.0	1.053808	10.0	945106.0	1.053808	Y
4	IC 410-617959/17	2.0	2.543787	10.0	823823.0	1.271893	Y
5	IC 410-617959/18	5.0	5.74833	10.0	1035499.0	1.149666	Y
6	ICIS 410-617959/19	10.0	11.402126	10.0	1112211.0	1.140213	Y
7	IC 410-617959/20	25.0	29.772316	10.0	1219190.0	1.190893	Y



Calibration

/ Hexachlorobutadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

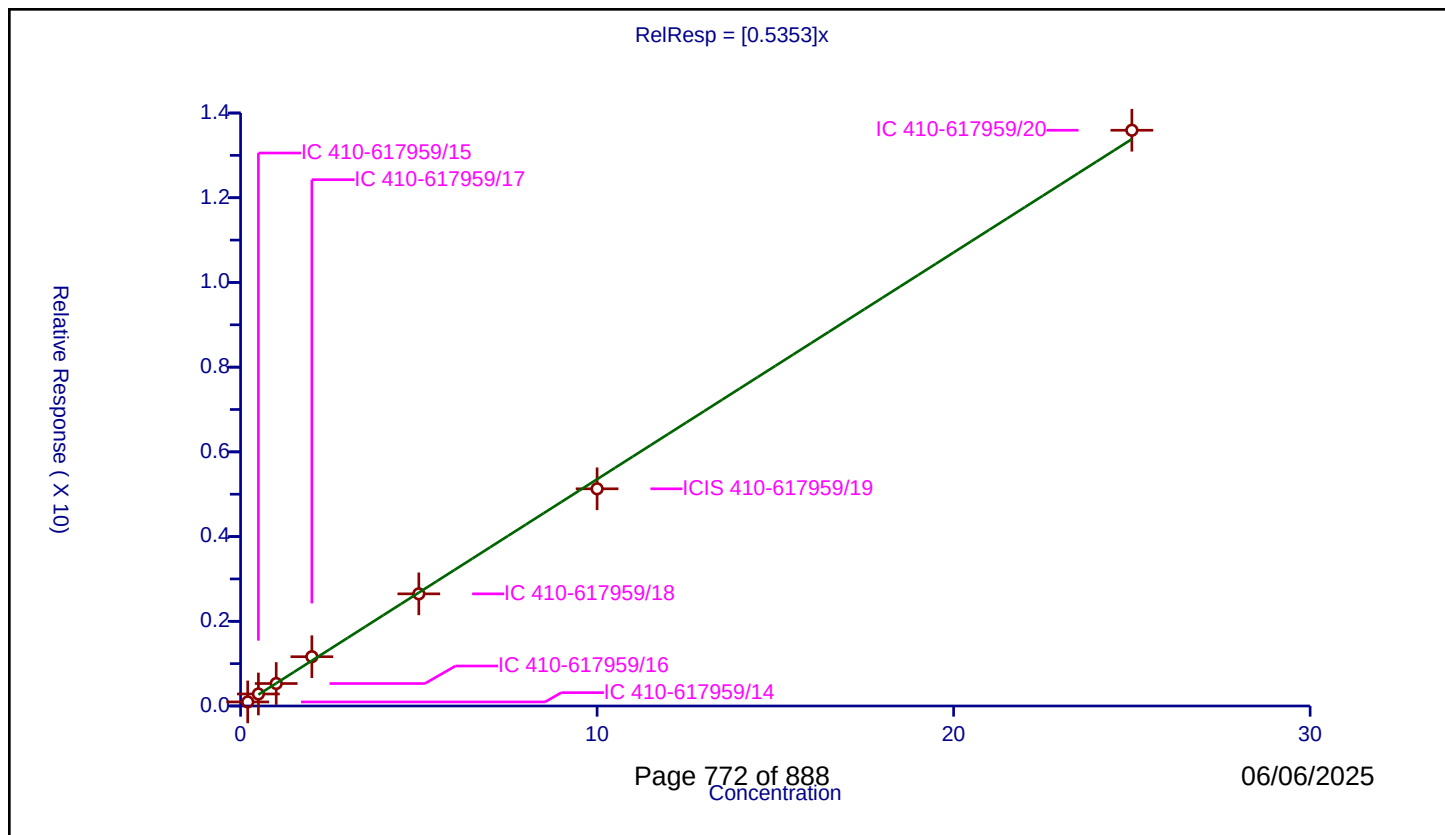
Curve Coefficients

Intercept: 0
Slope: 0.5353

Error Coefficients

Relative Standard Deviation: 6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.0963	10.0	911111.0	0.4815	Y
2	IC 410-617959/15	0.5	0.283757	10.0	802552.0	0.567515	Y
3	IC 410-617959/16	1.0	0.530724	10.0	945106.0	0.530724	Y
4	IC 410-617959/17	2.0	1.163211	10.0	823823.0	0.581606	Y
5	IC 410-617959/18	5.0	2.647728	10.0	1035499.0	0.529546	Y
6	ICIS 410-617959/19	10.0	5.127957	10.0	1112211.0	0.512796	Y
7	IC 410-617959/20	25.0	13.593164	10.0	1219190.0	0.543727	Y



Calibration

/ Naphthalene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

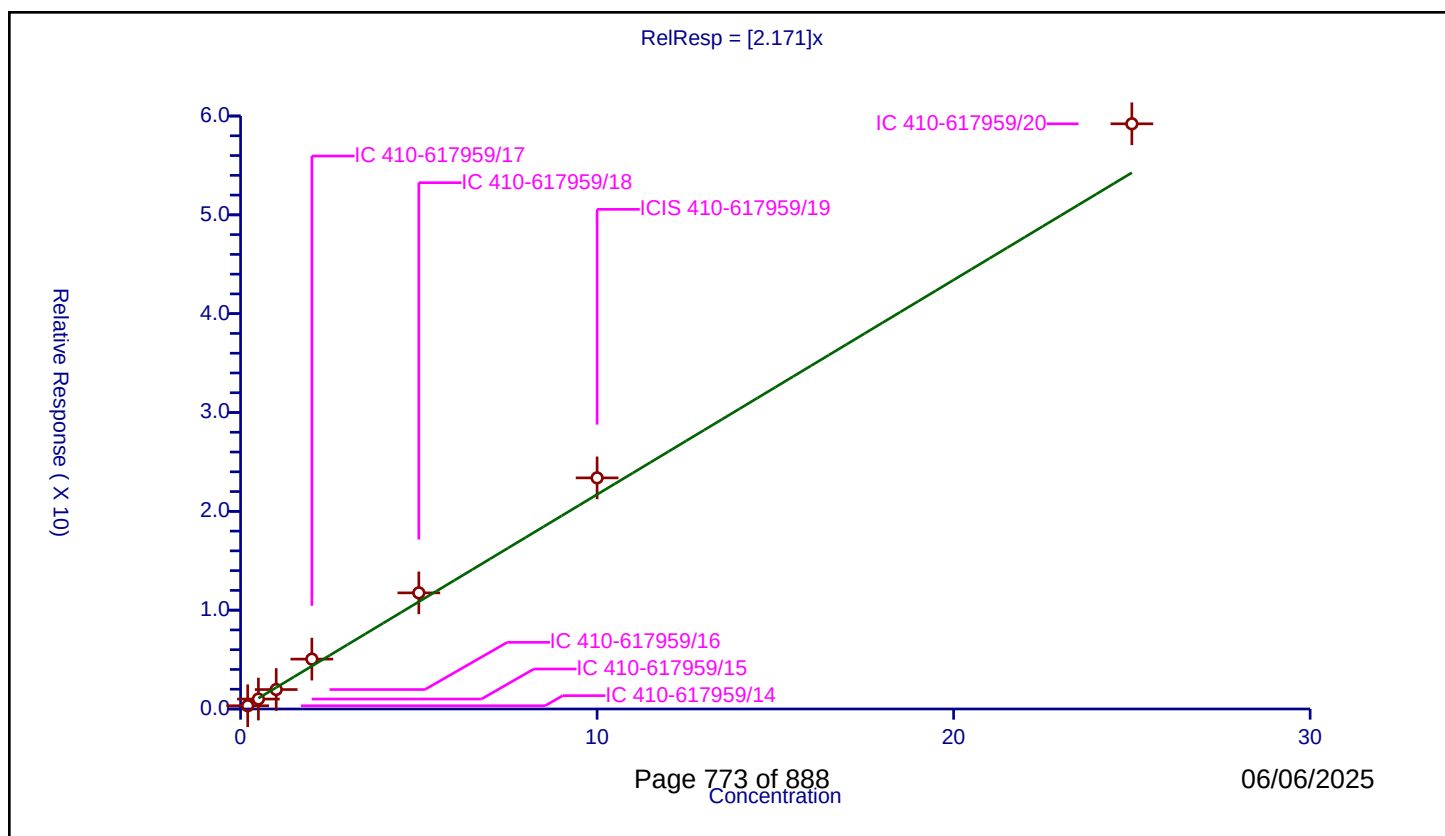
Curve Coefficients

Intercept: 0
Slope: 2.171

Error Coefficients

Relative Standard Deviation: 14.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.326766	10.0	911111.0	1.633829	Y
2	IC 410-617959/15	0.5	1.005231	10.0	802552.0	2.010462	Y
3	IC 410-617959/16	1.0	1.968827	10.0	945106.0	1.968827	Y
4	IC 410-617959/17	2.0	5.046812	10.0	823823.0	2.523406	Y
5	IC 410-617959/18	5.0	11.750538	10.0	1035499.0	2.350108	Y
6	ICIS 410-617959/19	10.0	23.384682	10.0	1112211.0	2.338468	Y
7	IC 410-617959/20	25.0	59.211312	10.0	1219190.0	2.368452	Y



Calibration

/ 1,2,3-Trichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

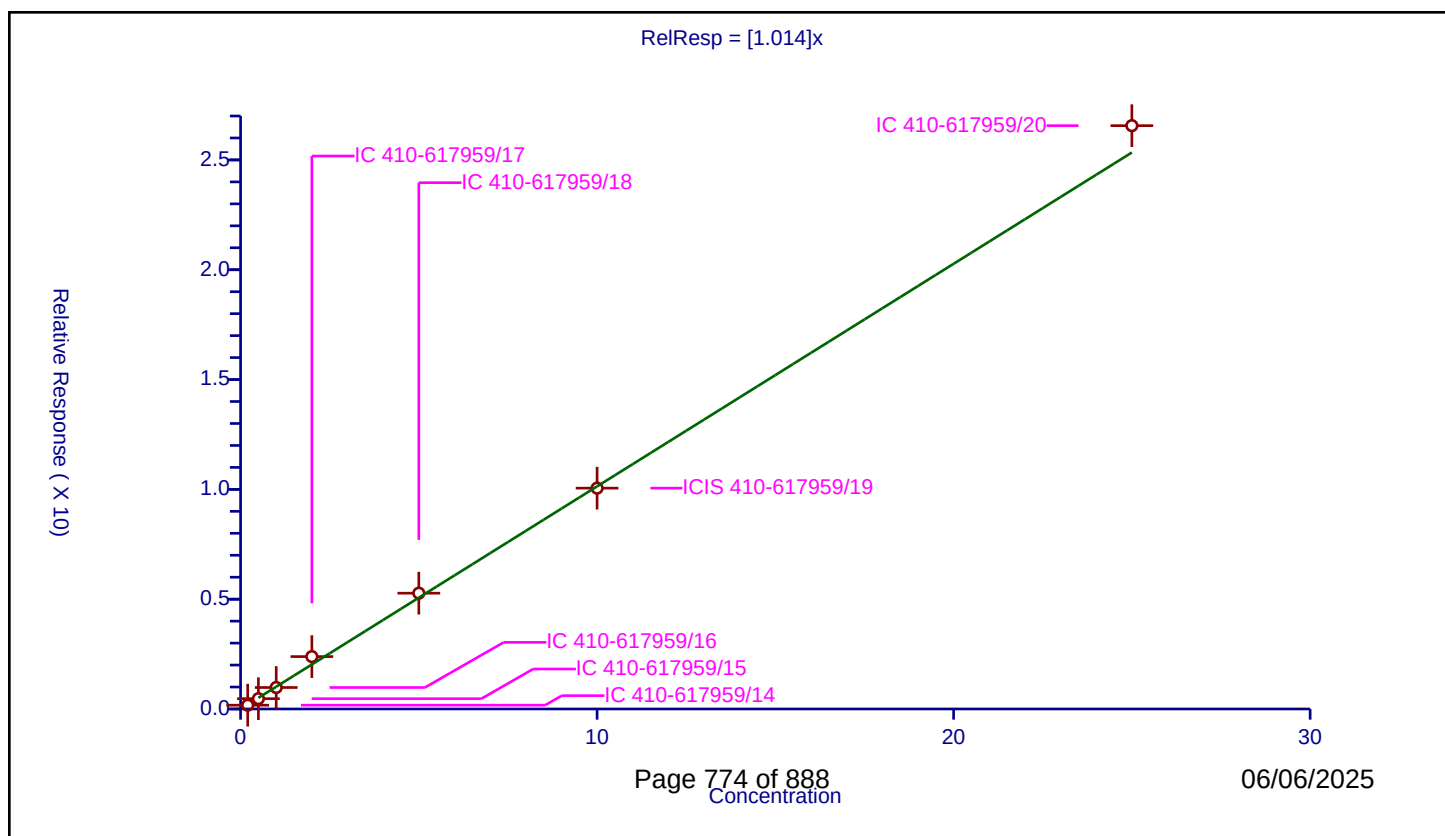
Curve Coefficients

Intercept: 0
Slope: 1.014

Error Coefficients

Relative Standard Deviation: 10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-617959/14	0.2	0.172811	10.0	911111.0	0.864055	Y
2	IC 410-617959/15	0.5	0.468954	10.0	802552.0	0.937908	Y
3	IC 410-617959/16	1.0	0.977901	10.0	945106.0	0.977901	Y
4	IC 410-617959/17	2.0	2.384772	10.0	823823.0	1.192386	Y
5	IC 410-617959/18	5.0	5.272975	10.0	1035499.0	1.054595	Y
6	ICIS 410-617959/19	10.0	10.055466	10.0	1112211.0	1.005547	Y
7	IC 410-617959/20	25.0	26.559946	10.0	1219190.0	1.062398	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.: _____

Lab Sample ID: ICV 410-623992/23

Calibration Date: 03/31/2025 19:20

Instrument ID: 19094

Calib Start Date: 03/31/2025 15:52

GC Column: R-624SilMS 30m ID: 0.25 (mm)

Calib End Date: 03/31/2025 18:38

Lab File ID: HM31X22.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	0.3320	0.3862	0.1000	5.81	5.00	16.3	30.0
Chloromethane	Ave	0.4693	0.4422	0.1000	4.71	5.00	-5.8	30.0
1,3-Butadiene	Ave	0.4246	0.4401		5.18	5.00	3.6	30.0
Vinyl chloride	Ave	0.4091	0.4360	0.1000	5.33	5.00	6.6	30.0
Bromomethane	Ave	0.2788	0.2851	0.1000	5.11	5.00	2.3	30.0
Chloroethane	Ave	0.2301	0.2531	0.1000	5.50	5.00	10.0	30.0
Dichlorofluoromethane	Ave	0.6567	0.6343		4.83	5.00	-3.4	30.0
Trichlorofluoromethane	Ave	0.4846	0.5115	0.1000	5.28	5.00	5.5	30.0
Ethyl ether	Ave	0.1669	0.1862		5.58	5.00	11.5	30.0
Freon 123a	Ave	0.3610	0.3829		5.30	5.00	6.1	30.0
Acrolein	Ave	3.472	3.392		35.7	36.6	-2.3	30.0
1,1-Dichloroethene	Ave	0.2318	0.2767	0.1000	5.97	5.00	19.4	30.0
Acetone	Ave	3.673	3.549	0.1000	60.4	62.5	-3.4	30.0
Freon 113	Ave	0.2560	0.2645	0.1000	5.17	5.00	3.3	30.0
Methyl iodide	Ave	0.4453	0.4544		5.10	5.00	2.1	30.0
Ethyl bromide	Ave	0.2151	0.2319		5.45	5.05	7.8	30.0
Carbon disulfide	Ave	0.7436	0.7484	0.1000	5.03	5.00	0.6	30.0
Methyl acetate	Lin		10.75	0.1000	4.82	5.00	-3.6	30.0
Allyl chloride	Ave	0.4843	0.4564		4.71	5.00	-5.8	30.0
Methylene Chloride	Ave	0.2437	0.2726	0.1000	5.59	5.00	11.9	30.0
t-Butyl alcohol	Ave	1.019	1.071		52.6	50.0	5.1	30.0
Acrylonitrile	Lin		5.476		22.5	25.0	-10.1	30.0
Methyl tert-butyl ether	Ave	0.5390	0.5309	0.1000	4.92	5.00	-1.5	30.0
trans-1,2-Dichloroethene	Ave	0.2596	0.2928	0.1000	5.64	5.00	12.8	30.0
n-Hexane	Ave	0.3919	0.4007		5.11	5.00	2.2	30.0
1,1-Dichloroethane	Ave	0.5189	0.5635	0.2000	5.43	5.00	8.6	30.0
di-Isopropyl ether	Ave	0.8955	0.9105		5.08	5.00	1.7	30.0
2-Chloro-1,3-butadiene	Ave	0.4556	0.4534		4.98	5.00	-0.5	30.0
Ethyl t-butyl ether	Ave	0.7944	0.7860		4.95	5.00	-1.1	30.0
2-Butanone (MEK)	Ave	6.936	7.611	0.1000	68.6	62.5	9.7	30.0
cis-1,2-Dichloroethene	Ave	0.3097	0.3145	0.1000	5.08	5.00	1.5	30.0
2,2-Dichloropropane	Ave	0.4320	0.4588		5.31	5.00	6.2	30.0
Propionitrile	Ave	1.647	1.840		41.9	37.5	11.8	30.0
Methacrylonitrile	Lin		8.976		35.8	37.5	-4.6	30.0
Bromochloromethane	Ave	0.1064	0.1177		5.53	5.00	10.6	30.0
Tetrahydrofuran	Lin1		2.234		23.4	25.0	-6.5	30.0
Chloroform	Ave	0.4838	0.5171	0.2000	5.34	5.00	6.9	30.0
1,1,1-Trichloroethane	Ave	0.4380	0.4758	0.1000	5.43	5.00	8.6	30.0
Cyclohexane	Ave	0.5067	0.5302	0.1000	5.23	5.00	4.6	30.0
1,1-Dichloropropene	Ave	0.4185	0.4381		5.23	5.00	4.7	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

Lab Sample ID: ICV 410-623992/23

Calibration Date: 03/31/2025 19:20

Instrument ID: 19094

Calib Start Date: 03/31/2025 15:52

GC Column: R-624SilMS 30m ID: 0.25 (mm)

Calib End Date: 03/31/2025 18:38

Lab File ID: HM31X22.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	0.3889	0.4260	0.1000	5.48	5.00	9.5	30.0
Isobutyl alcohol	Ave	0.3421	0.3747		137	125	9.6	30.0
Benzene	Ave	1.202	1.245	0.5000	5.18	5.00	3.6	30.0
1,2-Dichloroethane	Ave	0.2521	0.2667	0.1000	5.29	5.00	5.8	30.0
t-Amyl methyl ether	Ave	0.6355	0.6313		4.97	5.00	-0.7	30.0
n-Heptane	Ave	0.3723	0.4160		5.59	5.00	11.7	30.0
n-Butanol	Lin		0.2436		256	250	2.2	30.0
Trichloroethene	Ave	0.3070	0.3232	0.2000	5.26	5.00	5.3	30.0
Methylcyclohexane	Ave	0.4980	0.5340	0.1000	5.36	5.00	7.2	30.0
1,2-Dichloropropane	Ave	0.2894	0.3119	0.1000	5.39	5.00	7.8	30.0
Methyl methacrylate	Lin		15.81		3.96	5.00	-20.7	30.0
1,4-Dioxane	Ave	0.0487	0.0852	0.0050	219	125	75.0*	30.0
Dibromomethane	Ave	0.1085	0.1176		5.42	5.00	8.3	30.0
Bromodichloromethane	Ave	0.3201	0.3484	0.2000	5.44	5.00	8.8	30.0
2-Nitropropane	Ave	5.276	4.703		4.46	5.00	-10.9	30.0
1-Bromo-2-chloroethane	Ave	0.2496	0.2728		5.46	5.00	9.3	30.0
cis-1,3-Dichloropropene	Ave	0.4106	0.4148	0.2000	5.05	5.00	1.0	30.0
4-Methyl-2-pentanone (MIBK)	Ave	21.40	22.21	0.1000	64.9	62.5	3.8	30.0
Toluene	Ave	1.061	1.099	0.4000	5.18	5.00	3.6	30.0
trans-1,3-Dichloropropene	Ave	0.4144	0.4586	0.1000	5.53	5.00	10.7	30.0
Ethyl methacrylate	Ave	0.2933	0.3238		5.52	5.00	10.4	30.0
1,1,2-Trichloroethane	Ave	0.2277	0.2401	0.1000	5.27	5.00	5.5	30.0
Tetrachloroethene	Ave	0.4912	0.4970	0.2000	5.06	5.00	1.2	30.0
1,3-Dichloropropane	Ave	0.4101	0.4279		5.22	5.00	4.3	30.0
2-Hexanone	Linl		15.07	0.1000	58.9	62.5	-5.8	30.0
Dibromochloromethane	Ave	0.2819	0.3109		5.51	5.00	10.3	30.0
1,2-Dibromoethane (EDB)	Ave	0.2063	0.2173	0.1000	5.27	5.00	5.4	30.0
1-Chlorohexane	Ave	0.6546	0.6034		4.61	5.00	-7.8	30.0
Chlorobenzene	Ave	1.133	1.172	0.5000	5.17	5.00	3.4	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3732	0.4054		5.43	5.00	8.6	30.0
Ethylbenzene	Ave	2.075	2.147	0.1000	5.17	5.00	3.5	30.0
m&p-Xylene	Ave	0.7773	0.8160	0.1000	10.5	10.0	5.0	30.0
o-Xylene	Ave	0.7428	0.7936	0.3000	5.34	5.00	6.8	30.0
Styrene	Ave	1.139	1.262	0.3000	5.54	5.00	10.8	30.0
Bromoform	Ave	0.1560	0.1711	0.1000	5.49	5.00	9.7	30.0
Isopropylbenzene	Ave	1.793	2.114	0.1000	5.89	5.00	17.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.4919	0.5147	0.3000	5.23	5.00	4.6	30.0
Bromobenzene	Ave	0.8109	0.8520		5.25	5.00	5.1	30.0
trans-1,4-Dichloro-2-butene	Ave	8.488	8.601		25.3	25.0	1.3	30.0
1,2,3-Trichloropropane	Ave	0.1197	0.1247		5.21	5.00	4.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

Lab Sample ID: ICV 410-623992/23

Calibration Date: 03/31/2025 19:20

Instrument ID: 19094

Calib Start Date: 03/31/2025 15:52

GC Column: R-624SilMS 30m ID: 0.25 (mm)

Calib End Date: 03/31/2025 18:38

Lab File ID: HM31X22.D

Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Propylbenzene	Ave	4.337	4.583		5.28	5.00	5.7	30.0
2-Chlorotoluene	Ave	0.8641	0.9032		5.23	5.00	4.5	30.0
1,3,5-Trimethylbenzene	Ave	3.041	3.239		5.32	5.00	6.5	30.0
4-Chlorotoluene	Ave	0.8851	0.9101		5.14	5.00	2.8	30.0
tert-Butylbenzene	Ave	0.6836	0.7004		5.12	5.00	2.5	30.0
Pentachloroethane	Ave	0.4974	0.5376		5.40	5.00	8.1	30.0
1,2,4-Trimethylbenzene	Ave	3.114	3.266		5.24	5.00	4.9	30.0
sec-Butylbenzene	Ave	3.773	3.988		5.29	5.00	5.7	30.0
1,3-Dichlorobenzene	Ave	1.596	1.707	0.6000	5.35	5.00	7.0	30.0
p-Isopropyltoluene	Ave	3.200	3.473		5.43	5.00	8.5	30.0
1,4-Dichlorobenzene	Ave	1.697	1.674	0.5000	4.93	5.00	-1.3	30.0
1,2,3-Trimethylbenzene	Ave	1.416	1.392		4.91	5.00	-1.7	30.0
Benzyl chloride	Ave	0.1956	0.2046		5.23	5.00	4.6	30.0
n-Butylbenzene	Ave	1.442	1.620		5.61	5.00	12.3	30.0
1,2-Dichlorobenzene	Ave	1.379	1.491	0.4000	5.41	5.00	8.1	30.0
1,2-Dibromo-3-Chloropropane	Lin2		0.0627	0.0500	5.00	5.00	0.0	30.0
1,3,5-Trichlorobenzene	Ave	1.151	1.270		5.52	5.00	10.3	30.0
1,2,4-Trichlorobenzene	Ave	0.8626	1.012	0.2000	5.87	5.00	17.4	30.0
Hexachlorobutadiene	Ave	0.4136	0.4738		5.73	5.00	14.5	30.0
Naphthalene	Ave	1.383	1.543		5.58	5.00	11.6	30.0
1,2,3-Trichlorobenzene	Ave	0.7511	0.8139		5.42	5.00	8.4	30.0
Pentane	None					5.00		30.0
Dibromofluoromethane (Surr)	Ave	0.2172	0.2207		10.2	10.0	1.6	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0385	0.0386		10.0	10.0	0.3	30.0
Toluene-d8 (Surr)	Ave	1.353	1.357		10.0	10.0	0.3	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4952	0.4930		9.95	10.0	-0.5	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X22.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 31-Mar-2025 19:20:30 ALS Bottle#: 22 Worklist Smp#: 23
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0142485-023
 Misc. Info.: ICV
 Operator ID: ecr105096 Instrument ID: 19094
 Sublist:
 Method: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 12-Apr-2025 07:07:20 Calib Date: 31-Mar-2025 18:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1648

First Level Reviewer: N7YK

Date: 01-Apr-2025 16:24:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.837	1.843	-0.006	99	386288	5.00	5.81	
5 Chloromethane	50	2.026	2.032	-0.006	99	442313	5.00	4.71	
7 Butadiene	39	2.123	2.129	-0.006	91	440259	5.00	5.18	
6 Vinyl chloride	62	2.136	2.142	-0.006	98	436177	5.00	5.33	
9 Bromomethane	94	2.416	2.422	-0.006	92	285162	5.00	5.11	
10 Chloroethane	64	2.495	2.501	-0.006	100	253140	5.00	5.50	
11 Dichlorofluoromethane	67	2.709	2.721	-0.012	97	634528	5.00	4.83	
12 Trichlorofluoromethane	101	2.800	2.812	-0.012	50	511668	5.00	5.28	
14 Ethyl ether	59	2.995	3.001	-0.006	92	186157	5.00	5.58	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.068	3.080	-0.012	94	383070	5.00	5.30	
16 Acrolein	56	3.154	3.160	-0.006	99	145712	36.6	35.7	
17 1,1-Dichloroethene	96	3.282	3.288	-0.006	97	276780	5.00	5.97	
19 Acetone	43	3.300	3.312	-0.012	91	260409	62.5	60.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.318	3.324	-0.006	93	264629	5.00	5.17	
21 Iodomethane	142	3.459	3.471	-0.012	98	454598	5.00	5.10	
22 Ethyl bromide	108	3.483	3.495	-0.012	98	234401	5.05	5.45	
23 Carbon disulfide	76	3.562	3.574	-0.012	99	748622	5.00	5.03	
24 Methyl acetate	43	3.690	3.690	0.000	98	63105	5.00	4.82	
26 3-Chloro-1-propene	41	3.708	3.721	-0.013	93	456557	5.00	4.71	
27 Methylene Chloride	84	3.879	3.885	-0.006	94	272678	5.00	5.59	
* 28 t-Butyl alcohol-d10 (IS)	65	3.904	3.910	-0.006	93	58699	50.0	50.0	
29 2-Methyl-2-propanol	59	4.013	4.019	-0.006	94	62886	50.0	52.6	
31 Acrylonitrile	53	4.214	4.221	-0.006	98	160730	25.0	22.5	
32 Methyl tert-butyl ether	73	4.251	4.269	-0.018	94	531049	5.00	4.92	
33 trans-1,2-Dichloroethene	96	4.269	4.281	-0.012	98	292899	5.00	5.64	
34 Hexane	57	4.678	4.696	-0.018	93	400872	5.00	5.11	
36 1,1-Dichloroethane	63	4.922	4.928	-0.006	96	563708	5.00	5.43	
37 Isopropyl ether	45	4.977	4.989	-0.012	96	910786	5.00	5.08	
38 2-Chloro-1,3-butadiene	53	5.037	5.037	0.000	91	453539	5.00	4.98	
40 Tert-butyl ethyl ether	59	5.525	5.537	-0.012	99	786312	5.00	4.95	

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	5.732	5.732	0.000	100	558412	62.5	68.6	
42 cis-1,2-Dichloroethene	96	5.769	5.769	0.000	83	314577	5.00	5.08	
43 2,2-Dichloropropane	77	5.781	5.787	-0.006	86	458998	5.00	5.31	
44 Propionitrile	54	5.824	5.836	-0.012	97	81011	37.5	41.9	
47 Methacrylonitrile	67	6.025	6.031	-0.006	92	395175	37.5	35.8	
48 Chlorobromomethane	128	6.104	6.098	0.006	97	117733	5.00	5.53	
49 Tetrahydrofuran	71	6.123	6.123	0.000	81	65557	25.0	23.4	
50 Chloroform	83	6.257	6.257	0.000	94	517293	5.00	5.34	
\$ 52 Dibromofluoromethane (Surr)	113	6.476	6.476	0.000	94	441541	10.0	10.2	
53 1,1,1-Trichloroethane	97	6.495	6.494	0.001	99	476007	5.00	5.43	
54 Cyclohexane	56	6.592	6.598	-0.006	91	530408	5.00	5.23	
55 1,1-Dichloropropene	75	6.708	6.708	0.000	96	438268	5.00	5.23	
56 Carbon tetrachloride	117	6.714	6.714	0.000	96	426116	5.00	5.48	
57 Isobutyl alcohol	41	6.872	6.866	0.006	90	54992	125.0	136.9	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.933	6.933	0.000	81	77183	10.0	10.0	
59 Benzene	78	6.964	6.970	-0.006	97	1245221	5.00	5.18	
60 1,2-Dichloroethane	62	7.043	7.043	0.000	97	266801	5.00	5.29	
63 Tert-amyl methyl ether	73	7.171	7.177	-0.006	98	631505	5.00	4.97	
* 64 Fluorobenzene (IS)	96	7.385	7.385	0.000	98	2000681	10.0	10.0	
65 n-Heptane	43	7.403	7.409	-0.006	93	416125	5.00	5.59	
67 n-Butanol	56	7.805	7.793	0.012	91	71489	250.0	255.6	
68 Trichloroethene	95	7.872	7.878	-0.006	99	323262	5.00	5.26	
69 Methylcyclohexane	83	8.189	8.195	-0.006	93	534211	5.00	5.36	
70 1,2-Dichloropropane	63	8.208	8.208	0.000	98	312045	5.00	5.39	
71 2-ethoxy-2-methyl butane	87	8.226	8.232	-0.006	92	444676	5.00	5.10	
72 Methyl methacrylate	69	8.311	8.311	0.000	91	92813	5.00	3.96	
74 Dibromomethane	93	8.323	8.323	0.000	96	117611	5.00	5.42	
73 1,4-Dioxane	88	8.317	8.329	-0.012	29	12505	125.0	218.7	M
76 Dichlorobromomethane	83	8.561	8.561	0.000	100	348481	5.00	5.44	
77 2-Nitropropane	41	8.836	8.835	0.001	98	27609	5.00	4.46	
79 1-Bromo-2-chloroethane	63	8.964	8.963	0.001	98	272847	5.00	5.46	
80 cis-1,3-Dichloropropene	75	9.134	9.134	0.000	96	414948	5.00	5.05	
82 4-Methyl-2-pentanone (MIBK)	43	9.317	9.317	0.000	97	1629473	62.5	64.9	
\$ 83 Toluene-d8 (Surr)	98	9.457	9.463	-0.006	94	1949304	10.0	10.0	
84 Toluene	92	9.543	9.543	0.000	98	789481	5.00	5.18	
85 trans-1,3-Dichloropropene	75	9.817	9.817	0.000	93	329385	5.00	5.53	
104 Ethyl methacrylate	69	9.890	9.890	0.000	89	232579	5.00	5.52	
106 1,1,2-Trichloroethane	97	10.024	10.030	-0.006	90	172448	5.00	5.27	
107 Tetrachloroethene	166	10.116	10.116	0.000	98	356974	5.00	5.06	
108 1,3-Dichloropropane	76	10.195	10.195	0.000	90	307331	5.00	5.22	
109 2-Hexanone	43	10.250	10.250	0.000	97	1105665	62.5	58.9	
111 Chlorodibromomethane	129	10.414	10.414	0.000	90	223275	5.00	5.51	
112 Ethylene Dibromide	107	10.530	10.530	0.000	99	156103	5.00	5.27	
* 113 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	86	1436438	10.0	10.0	
114 1-Chlorohexane	91	10.988	10.987	0.001	98	433389	5.00	4.61	
115 Chlorobenzene	112	11.000	11.000	0.000	94	841534	5.00	5.17	
116 1,1,1,2-Tetrachloroethane	131	11.085	11.091	-0.006	45	291161	5.00	5.43	
117 Ethylbenzene	91	11.091	11.091	0.000	99	1541743	5.00	5.17	
119 m-Xylene & p-Xylene	106	11.213	11.213	0.000	100	1172153	10.0	10.5	
120 o-Xylene	106	11.548	11.548	0.000	97	569957	5.00	5.34	
121 Styrene	104	11.561	11.561	0.000	95	906535	5.00	5.54	
122 Bromoform	173	11.719	11.719	0.000	97	122919	5.00	5.49	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 Isopropylbenzene	105	11.853	11.853	0.000	96	1518484	5.00	5.89	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.000	11.999	0.001	90	708147	10.0	9.95	
127 1,1,2,2-Tetrachloroethane	83	12.103	12.103	0.000	93	198689	5.00	5.23	
128 Bromobenzene	156	12.115	12.115	0.000	94	328866	5.00	5.25	
129 trans-1,4-Dichloro-2-butene	53	12.128	12.128	0.000	91	252426	25.0	25.3	
130 1,2,3-Trichloropropane	110	12.146	12.146	0.000	81	48126	5.00	5.21	
131 N-Propylbenzene	91	12.189	12.188	0.001	99	1768856	5.00	5.28	
132 2-Chlorotoluene	126	12.262	12.262	0.000	96	348640	5.00	5.23	
133 1,3,5-Trimethylbenzene	105	12.323	12.323	0.000	94	1250082	5.00	5.32	
134 4-Chlorotoluene	126	12.353	12.353	0.000	98	351281	5.00	5.14	
135 tert-Butylbenzene	134	12.567	12.566	0.000	93	270360	5.00	5.12	
136 Pentachloroethane	167	12.597	12.597	0.000	94	207520	5.00	5.40	
137 1,2,4-Trimethylbenzene	105	12.609	12.609	0.000	97	1260749	5.00	5.24	
138 sec-Butylbenzene	105	12.731	12.731	0.000	94	1539516	5.00	5.29	
139 1,3-Dichlorobenzene	146	12.829	12.829	0.000	98	658911	5.00	5.35	
140 4-Isopropyltoluene	119	12.841	12.841	0.000	97	1340389	5.00	5.43	
* 141 1,4-Dichlorobenzene-d4	152	12.890	12.890	0.000	94	771991	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.908	12.908	0.000	94	646315	5.00	4.93	
143 1,2,3-Trimethylbenzene	120	12.914	12.914	0.000	99	537181	5.00	4.91	
144 Benzyl chloride	126	12.981	12.981	0.000	98	78959	5.00	5.23	
145 p-Diethylbenzene	119	13.115	13.115	0.000	94	803000	5.00	5.66	
146 n-Butylbenzene	92	13.133	13.133	0.000	97	625235	5.00	5.61	
147 1,2-Dichlorobenzene	146	13.164	13.164	0.000	98	575559	5.00	5.41	
149 1,2-Dibromo-3-Chloropropane	155	13.713	13.713	0.000	87	24210	5.00	5.00	
150 1,3,5-Trichlorobenzene	180	13.841	13.841	0.000	97	490253	5.00	5.52	
151 1,2,4-Trichlorobenzene	180	14.261	14.261	0.000	94	390781	5.00	5.87	
152 Hexachlorobutadiene	225	14.347	14.347	0.000	95	182869	5.00	5.73	
153 Naphthalene	128	14.438	14.438	0.000	97	595669	5.00	5.58	
154 1,2,3-Trichlorobenzene	180	14.584	14.584	0.000	96	314170	5.00	5.42	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00214	Amount Added: 12.50	Units: uL	
MSV_LCS_Penta_00053	Amount Added: 12.50	Units: uL	
MSV_QC_Gas826_00252	Amount Added: 12.50	Units: uL	
MSV_LCS_EE_00010	Amount Added: 12.50	Units: uL	
LCS_ETBR_00009	Amount Added: 12.50	Units: uL	
MSV_LCS_ACROL_00220	Amount Added: 12.50	Units: uL	
MSV_LLcentISS_00016	Amount Added: 5.00	Units: uL	Run Reagent

Chrom Revision: 2.3 08-Apr-2025 13:07:20

Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X22.D

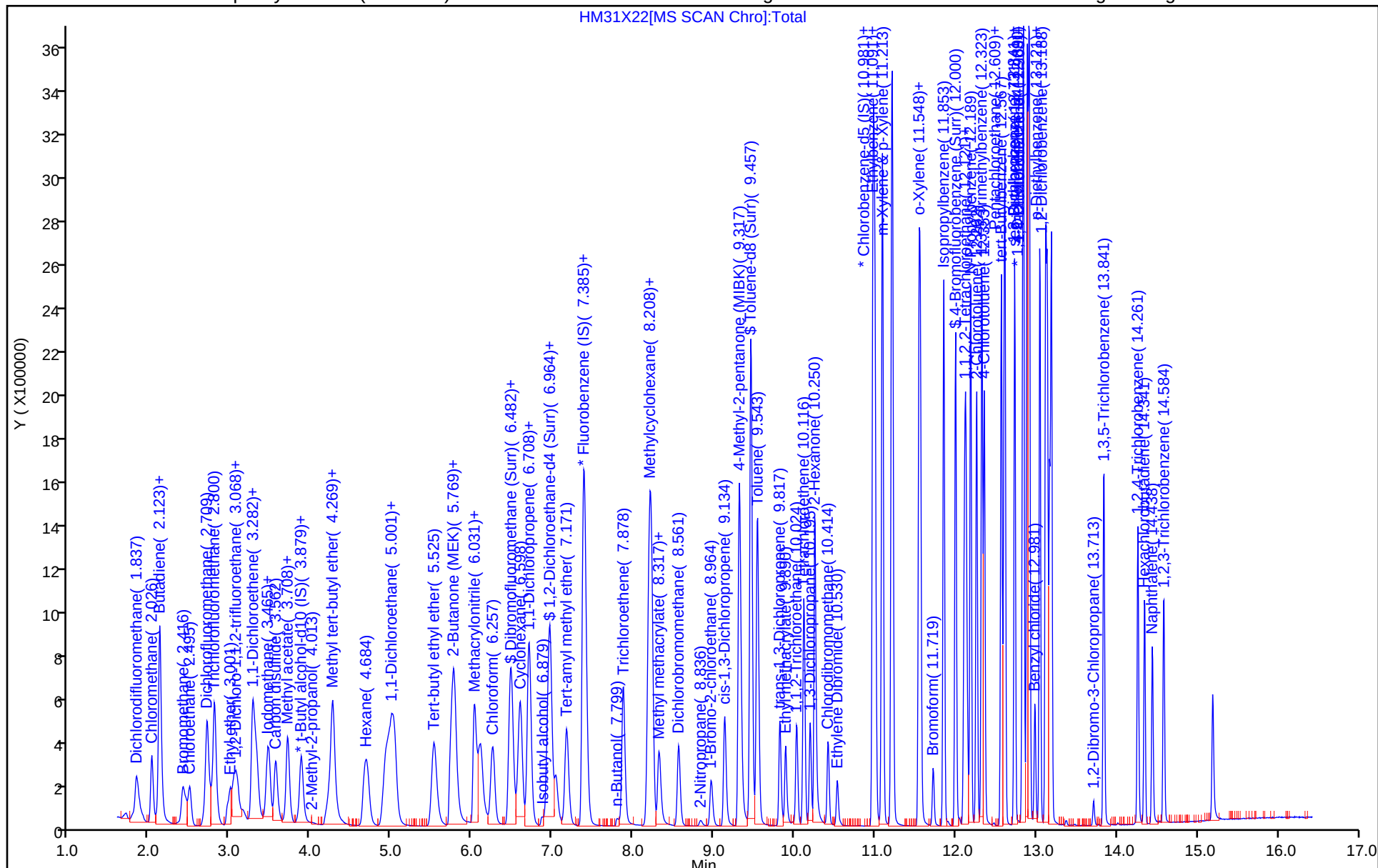
Operator ID: ecr105096

Worklist Smp#: 23

ALS Bottle#: 22

Limit Group: MSV - 8260C D

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

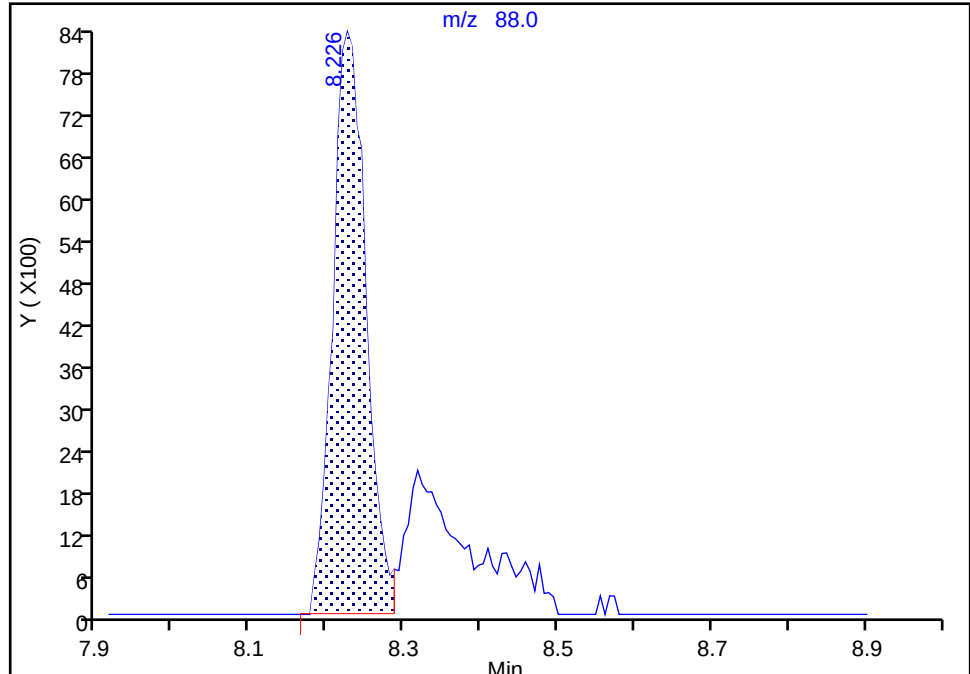
Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X22.D
Injection Date: 31-Mar-2025 19:20:30 Instrument ID: 19094
Lims ID: ICV
Client ID:
Operator ID: ecr105096 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

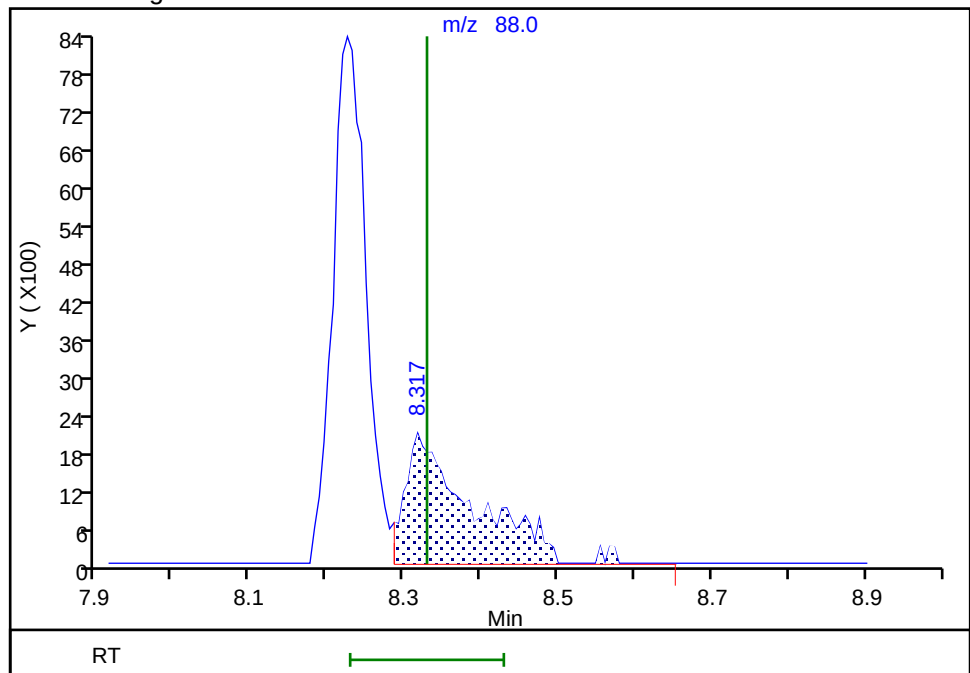
RT: 8.23
Area: 25063
Amount: 425.1844
Amount Units: ug/l

Processing Integration Results



RT: 8.32
Area: 12505
Amount: 218.7200
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 01-Apr-2025 16:24:27 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.: _____

Lab Sample ID: CCVIS 410-653082/3

Calibration Date: 06/04/2025 21:08

Instrument ID: 19094

Calib Start Date: 03/31/2025 15:52

GC Column: R-624SilMS 30m ID: 0.25 (mm)

Calib End Date: 03/31/2025 18:38

Lab File ID: HU04X32.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	0.3320	0.3510	0.1000	10.6	10.0	5.7	20.0
Chloromethane	Ave	0.4693	0.4050	0.1000	8.63	10.0	-13.7	20.0
1,3-Butadiene	Ave	0.4246	0.5114		12.0	10.0	20.4*	20.0
Vinyl chloride	Ave	0.4091	0.3707	0.1000	9.06	10.0	-9.4	20.0
Bromomethane	Ave	0.2788	0.2622	0.1000	9.41	10.0	-5.9	20.0
Chloroethane	Ave	0.2301	0.2380	0.1000	10.3	10.0	3.4	20.0
Dichlorofluoromethane	Ave	0.6567	0.6234		9.49	10.0	-5.1	20.0
Trichlorofluoromethane	Ave	0.4846	0.4803	0.1000	9.91	10.0	-0.9	20.0
Ethyl ether	Ave	0.1669	0.1868		11.2	10.0	11.9	20.0
Freon 123a	Ave	0.3610	0.3774		10.5	10.0	4.5	20.0
Acrolein	Ave	3.472	2.762		388	488	-20.5*	20.0
1,1-Dichloroethene	Ave	0.2318	0.2396	0.1000	10.3	10.0	3.4	20.0
Acetone	Ave	3.673	3.474	0.1000	94.6	100	-5.4	20.0
Freon 113	Ave	0.2560	0.2689	0.1000	10.5	10.0	5.1	20.0
Methyl iodide	Ave	0.4453	0.4526		10.2	10.0	1.7	20.0
Ethyl bromide	Ave	0.2151	0.2247		10.4	9.99	4.5	20.0
Carbon disulfide	Ave	0.7436	0.7425	0.1000	9.99	10.0	-0.1	20.0
Methyl acetate	Lin		12.42	0.1000	10.5	10.0	5.5	20.0
Allyl chloride	Ave	0.4843	0.4798		9.91	10.0	-0.9	20.0
Methylene Chloride	Ave	0.2437	0.2522	0.1000	10.4	10.0	3.5	20.0
t-Butyl alcohol	Ave	1.019	0.9218		181	200	-9.6	20.0
Acrylonitrile	Lin		5.248		21.6	25.0	-13.6	20.0
Methyl tert-butyl ether	Ave	0.5390	0.5144	0.1000	9.54	10.0	-4.6	20.0
trans-1,2-Dichloroethene	Ave	0.2596	0.2760	0.1000	10.6	10.0	6.3	20.0
n-Hexane	Ave	0.3919	0.4693		12.0	10.0	19.8	20.0
1,1-Dichloroethane	Ave	0.5189	0.5498	0.2000	10.6	10.0	6.0	20.0
di-Isopropyl ether	Ave	0.8955	0.9485		10.6	10.0	5.9	20.0
2-Chloro-1,3-butadiene	Ave	0.4556	0.4792		10.5	10.0	5.2	20.0
Ethyl t-butyl ether	Ave	0.7944	0.7901		9.95	10.0	-0.5	20.0
2-Butanone (MEK)	Ave	6.936	7.645	0.1000	110	100	10.2	20.0
cis-1,2-Dichloroethene	Ave	0.3097	0.3131	0.1000	10.1	10.0	1.1	20.0
2,2-Dichloropropane	Ave	0.4320	0.4369		10.1	10.0	1.1	20.0
Propionitrile	Ave	1.647	1.465		178	200	-11.1	20.0
Methacrylonitrile	Lin		9.017		91.6	100	-8.4	20.0
Bromochloromethane	Ave	0.1064	0.1159		10.9	10.0	8.8	20.0
Tetrahydrofuran	Linl		2.179		44.9	50.0	-10.2	20.0
Chloroform	Ave	0.4838	0.5047	0.2000	10.4	10.0	4.3	20.0
1,1,1-Trichloroethane	Ave	0.4380	0.4501	0.1000	10.3	10.0	2.8	20.0
Cyclohexane	Ave	0.5067	0.5754	0.1000	11.4	10.0	13.5	20.0
1,1-Dichloropropene	Ave	0.4185	0.4495		10.7	10.0	7.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.: _____

Lab Sample ID: CCVIS 410-653082/3

Calibration Date: 06/04/2025 21:08

Instrument ID: 19094

Calib Start Date: 03/31/2025 15:52

GC Column: R-624SilMS 30m ID: 0.25 (mm)

Calib End Date: 03/31/2025 18:38

Lab File ID: HU04X32.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	0.3889	0.3996	0.1000	10.3	10.0	2.7	20.0
Isobutyl alcohol	Ave	0.3421	0.4309		630	500	26.0*	20.0
Benzene	Ave	1.202	1.257	0.5000	10.5	10.0	4.6	20.0
1,2-Dichloroethane	Ave	0.2521	0.2626	0.1000	10.4	10.0	4.2	20.0
t-Amyl methyl ether	Ave	0.6355	0.6457		10.2	10.0	1.6	20.0
n-Heptane	Ave	0.3723	0.4677		12.6	10.0	25.6*	20.0
n-Butanol	Lin		0.3322		1150	875	31.9*	20.0
Trichloroethene	Ave	0.3070	0.3247	0.2000	10.6	10.0	5.8	20.0
Methylcyclohexane	Ave	0.4980	0.5746	0.1000	11.5	10.0	15.4	20.0
1,2-Dichloropropane	Ave	0.2894	0.3216	0.1000	11.1	10.0	11.1	20.0
Methyl methacrylate	Lin		17.54		8.42	10.0	-15.8	20.0
1,4-Dioxane	Ave	0.0487	0.0650	0.0050	667	500	33.4*	20.0
Dibromomethane	Ave	0.1085	0.1154		10.6	10.0	6.3	20.0
Bromodichloromethane	Ave	0.3201	0.3439	0.2000	10.7	10.0	7.4	20.0
2-Nitropropane	Ave	5.276	4.641		44.0	50.0	-12.0	20.0
1-Bromo-2-chloroethane	Ave	0.2496	0.2675		10.7	10.0	7.2	20.0
cis-1,3-Dichloropropene	Ave	0.4106	0.4377	0.2000	10.7	10.0	6.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	21.40	23.33	0.1000	109	100	9.0	20.0
Toluene	Ave	1.061	1.069	0.4000	10.1	10.0	0.7	20.0
trans-1,3-Dichloropropene	Ave	0.4144	0.4513	0.1000	10.9	10.0	8.9	20.0
Ethyl methacrylate	Ave	0.2933	0.3279		11.2	10.0	11.8	20.0
1,1,2-Trichloroethane	Ave	0.2277	0.2343	0.1000	10.3	10.0	2.9	20.0
Tetrachloroethene	Ave	0.4912	0.4873	0.2000	9.92	10.0	-0.8	20.0
1,3-Dichloropropane	Ave	0.4101	0.4249		10.4	10.0	3.6	20.0
2-Hexanone	Linl		15.52	0.1000	95.9	100	-4.1	20.0
Dibromochloromethane	Ave	0.2819	0.2926		10.4	10.0	3.8	20.0
1,2-Dibromoethane (EDB)	Ave	0.2063	0.2183	0.1000	10.6	10.0	5.8	20.0
1-Chlorohexane	Ave	0.6546	0.6238		9.53	10.0	-4.7	20.0
Chlorobenzene	Ave	1.133	1.137	0.5000	10.0	10.0	0.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3732	0.3745		10.0	10.0	0.4	20.0
Ethylbenzene	Ave	2.075	2.162	0.1000	10.4	10.0	4.2	20.0
m&p-Xylene	Ave	0.7773	0.8250	0.1000	21.2	20.0	6.1	20.0
o-Xylene	Ave	0.7428	0.7622	0.3000	10.3	10.0	2.6	20.0
Styrene	Ave	1.139	1.236	0.3000	10.9	10.0	8.5	20.0
Bromoform	Ave	0.1560	0.1596	0.1000	10.2	10.0	2.4	20.0
Isopropylbenzene	Ave	1.793	1.869	0.1000	10.4	10.0	4.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.4919	0.4946	0.3000	10.1	10.0	0.5	20.0
Bromobenzene	Ave	0.8109	0.8044		9.92	10.0	-0.8	20.0
trans-1,4-Dichloro-2-butene	Ave	8.488	7.079		83.4	100	-16.6	20.0
1,2,3-Trichloropropane	Ave	0.1197	0.1260		10.5	10.0	5.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

Lab Sample ID: CCVIS 410-653082/3

Calibration Date: 06/04/2025 21:08

Instrument ID: 19094

Calib Start Date: 03/31/2025 15:52

GC Column: R-624SilMS 30m ID: 0.25 (mm)

Calib End Date: 03/31/2025 18:38

Lab File ID: HU04X32.D

Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Propylbenzene	Ave	4.337	4.721		10.9	10.0	8.8	20.0
2-Chlorotoluene	Ave	0.8641	0.8738		10.1	10.0	1.1	20.0
1,3,5-Trimethylbenzene	Ave	3.041	3.235		10.6	10.0	6.4	20.0
4-Chlorotoluene	Ave	0.8851	0.8794		9.94	10.0	-0.6	20.0
tert-Butylbenzene	Ave	0.6836	0.7276		10.6	10.0	6.4	20.0
Pentachloroethane	Ave	0.4974	0.5368		10.8	10.0	7.9	20.0
1,2,4-Trimethylbenzene	Ave	3.114	3.258		10.5	10.0	4.6	20.0
sec-Butylbenzene	Ave	3.773	4.231		11.2	10.0	12.1	20.0
1,3-Dichlorobenzene	Ave	1.596	1.666	0.6000	10.4	10.0	4.4	20.0
p-Isopropyltoluene	Ave	3.200	3.585		11.2	10.0	12.0	20.0
1,4-Dichlorobenzene	Ave	1.697	1.648	0.5000	9.71	10.0	-2.9	20.0
1,2,3-Trimethylbenzene	Ave	1.416	1.366		9.65	10.0	-3.5	20.0
Benzyl chloride	Ave	0.1956	0.2054		10.5	10.0	5.0	20.0
n-Butylbenzene	Ave	1.442	1.774		12.3	10.0	23.0*	20.0
1,2-Dichlorobenzene	Ave	1.379	1.413	0.4000	10.2	10.0	2.5	20.0
1,2-Dibromo-3-Chloropropane	Lin2		0.0604	0.0500	9.54	10.0	-4.6	20.0
1,3,5-Trichlorobenzene	Ave	1.151	1.226		10.6	10.0	6.5	20.0
1,2,4-Trichlorobenzene	Ave	0.8626	0.9494	0.2000	11.0	10.0	10.1	20.0
Hexachlorobutadiene	Ave	0.4136	0.4913		11.9	10.0	18.8	20.0
Naphthalene	Ave	1.383	1.497		10.8	10.0	8.3	20.0
1,2,3-Trichlorobenzene	Ave	0.7511	0.7686		10.2	10.0	2.3	20.0
Dibromofluoromethane (Surr)	Ave	0.2172	0.2256		10.4	10.0	3.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0385	0.0416		10.8	10.0	8.1	20.0
Toluene-d8 (Surr)	Ave	1.353	1.391		10.3	10.0	2.8	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4952	0.4817		9.73	10.0	-2.7	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X32.D
 Lims ID: CCVIS VSTD10
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 04-Jun-2025 21:08:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0149342-003
 Misc. Info.: CCVIS VSTD10
 Operator ID: gaw91131 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-Jun-2025 22:39:34 Calib Date: 31-Mar-2025 18:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1634

First Level Reviewer: JS6E

Date: 04-Jun-2025 21:53:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.849	1.849	0.000	99	711866	10.0	10.6	
5 Chloromethane	50	2.038	2.038	0.000	99	821532	10.0	8.63	
7 Butadiene	39	2.136	2.136	0.000	93	1037264	10.0	12.0	
6 Vinyl chloride	62	2.148	2.148	0.000	98	751869	10.0	9.06	
9 Bromomethane	94	2.465	2.465	0.000	90	531805	10.0	9.41	
10 Chloroethane	64	2.514	2.514	0.000	100	482819	10.0	10.3	
11 Dichlorofluoromethane	67	2.727	2.727	0.000	97	1264346	10.0	9.49	
12 Trichlorofluoromethane	101	2.818	2.818	0.000	91	974132	10.0	9.91	
14 Ethyl ether	59	3.001	3.001	0.000	93	379011	10.0	11.2	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.093	3.093	0.000	95	765459	10.0	10.5	
16 Acrolein	56	3.154	3.154	0.000	99	1608241	487.9	388.1	
17 1,1-Dichloroethene	96	3.288	3.288	0.000	96	485945	10.0	10.3	
19 Acetone	43	3.288	3.288	0.000	68	414645	100.0	94.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.330	3.330	0.000	93	545428	10.0	10.5	
21 Iodomethane	142	3.471	3.471	0.000	99	918022	10.0	10.2	
22 Ethyl bromide	108	3.489	3.489	0.000	98	455290	9.99	10.4	
23 Carbon disulfide	76	3.568	3.568	0.000	99	1505970	10.0	9.99	
24 Methyl acetate	43	3.702	3.702	0.000	21	148272	10.0	10.5	M
26 3-Chloro-1-propene	41	3.721	3.721	0.000	93	973235	10.0	9.91	
* 28 t-Butyl alcohol-d10 (IS)	65	3.879	3.879	0.000	29	59674	50.0	50.0	
27 Methylene Chloride	84	3.885	3.885	0.000	94	511610	10.0	10.4	
29 2-Methyl-2-propanol	59	3.977	3.977	0.000	98	220027	200.0	180.9	M
31 Acrylonitrile	53	4.227	4.227	0.000	97	156583	25.0	21.6	
32 Methyl tert-butyl ether	73	4.257	4.257	0.000	96	1043379	10.0	9.54	
33 trans-1,2-Dichloroethene	96	4.281	4.281	0.000	97	559785	10.0	10.6	
34 Hexane	57	4.690	4.690	0.000	93	951945	10.0	12.0	
36 1,1-Dichloroethane	63	4.928	4.928	0.000	96	1115062	10.0	10.6	
37 Isopropyl ether	45	4.989	4.989	0.000	96	1923740	10.0	10.6	
38 2-Chloro-1,3-butadiene	53	5.044	5.044	0.000	91	971900	10.0	10.5	
40 Tert-butyl ethyl ether	59	5.531	5.531	0.000	99	1602528	10.0	9.95	

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	5.739	5.739	0.000	100	912432	100.0	110.2	
42 cis-1,2-Dichloroethene	96	5.775	5.775	0.000	84	634949	10.0	10.1	
43 2,2-Dichloropropane	77	5.781	5.781	0.000	87	886053	10.0	10.1	
44 Propionitrile	54	5.818	5.818	0.000	98	349578	200.0	177.9	
47 Methacrylonitrile	67	6.031	6.031	0.000	93	1076138	100.0	91.6	
48 Chlorobromomethane	128	6.104	6.104	0.000	96	234971	10.0	10.9	
49 Tetrahydrofuran	71	6.110	6.110	0.000	67	130032	50.0	44.9	
50 Chloroform	83	6.263	6.263	0.000	94	1023676	10.0	10.4	
\$ 52 Dibromofluoromethane (Surr)	113	6.476	6.476	0.000	93	457601	10.0	10.4	
53 1,1,1-Trichloroethane	97	6.494	6.494	0.000	99	912831	10.0	10.3	
54 Cyclohexane	56	6.598	6.598	0.000	92	1166967	10.0	11.4	
56 Carbon tetrachloride	117	6.714	6.714	0.000	96	810478	10.0	10.3	
55 1,1-Dichloropropene	75	6.714	6.714	0.000	96	911664	10.0	10.7	
57 Isobutyl alcohol	41	6.866	6.866	0.000	95	257107	500.0	629.8	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.940	6.940	0.000	94	84289	10.0	10.8	
59 Benzene	78	6.970	6.970	0.000	96	2549795	10.0	10.5	
60 1,2-Dichloroethane	62	7.043	7.043	0.000	97	532704	10.0	10.4	
63 Tert-amyl methyl ether	73	7.177	7.177	0.000	99	1309711	10.0	10.2	
* 64 Fluorobenzene (IS)	96	7.385	7.385	0.000	99	2028232	10.0	10.0	
65 n-Heptane	43	7.409	7.409	0.000	93	948606	10.0	12.6	
67 n-Butanol	56	7.781	7.781	0.000	88	346906	875.0	1154.2	
68 Trichloroethene	95	7.878	7.878	0.000	99	658590	10.0	10.6	
69 Methylcyclohexane	83	8.195	8.195	0.000	93	1165399	10.0	11.5	
70 1,2-Dichloropropane	63	8.208	8.208	0.000	97	652199	10.0	11.1	
71 2-ethoxy-2-methyl butane	87	8.232	8.232	0.000	92	920850	10.0	10.4	
72 Methyl methacrylate	69	8.311	8.311	0.000	91	209386	10.0	8.42	a
73 1,4-Dioxane	88	8.317	8.317	0.000	29	38760	500.0	666.9	M
74 Dibromomethane	93	8.323	8.323	0.000	97	234028	10.0	10.6	
76 Dichlorobromomethane	83	8.561	8.561	0.000	99	697501	10.0	10.7	
77 2-Nitropropane	41	8.835	8.835	0.000	98	276970	50.0	44.0	
79 1-Bromo-2-chloroethane	63	8.964	8.964	0.000	99	542464	10.0	10.7	
80 cis-1,3-Dichloropropene	75	9.134	9.134	0.000	96	887663	10.0	10.7	
82 4-Methyl-2-pentanone (MIBK)	43	9.311	9.311	0.000	97	2784048	100.0	109.0	
\$ 83 Toluene-d8 (Surr)	98	9.457	9.457	0.000	94	2078913	10.0	10.3	
84 Toluene	92	9.543	9.543	0.000	98	1597531	10.0	10.1	
85 trans-1,3-Dichloropropene	75	9.817	9.817	0.000	93	674469	10.0	10.9	
104 Ethyl methacrylate	69	9.890	9.890	0.000	90	490099	10.0	11.2	
106 1,1,2-Trichloroethane	97	10.024	10.024	0.000	90	350131	10.0	10.3	
107 Tetrachloroethene	166	10.116	10.116	0.000	98	728296	10.0	9.92	
108 1,3-Dichloropropane	76	10.195	10.195	0.000	91	635103	10.0	10.4	
109 2-Hexanone	43	10.250	10.250	0.000	97	1852601	100.0	95.9	
111 Chlorodibromomethane	129	10.414	10.414	0.000	90	437380	10.0	10.4	
112 Ethylene Dibromide	107	10.530	10.530	0.000	98	326208	10.0	10.6	
* 113 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	86	1494578	10.0	10.0	
114 1-Chlorohexane	91	10.988	10.988	0.000	97	932392	10.0	9.53	
115 Chlorobenzene	112	11.000	11.000	0.000	94	1699984	10.0	10.0	
116 1,1,1,2-Tetrachloroethane	131	11.085	11.085	0.000	96	559665	10.0	10.0	
117 Ethylbenzene	91	11.091	11.091	0.000	98	3231222	10.0	10.4	
119 m-Xylene & p-Xylene	106	11.207	11.207	0.000	100	2466109	20.0	21.2	
120 o-Xylene	106	11.542	11.542	0.000	97	1139149	10.0	10.3	
121 Styrene	104	11.561	11.561	0.000	95	1847633	10.0	10.9	
122 Bromoform	173	11.719	11.719	0.000	98	238608	10.0	10.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 Isopropylbenzene	105	11.853	11.853	0.000	96	2792723	10.0	10.4	
\$ 126 4-Bromofluorobenzene (Surr)	95	11.993	11.993	0.000	90	719920	10.0	9.73	
127 1,1,2,2-Tetrachloroethane	83	12.097	12.097	0.000	92	398106	10.0	10.1	
128 Bromobenzene	156	12.109	12.109	0.000	95	647392	10.0	9.92	
129 trans-1,4-Dichloro-2-butene	53	12.121	12.121	0.000	90	844829	100.0	83.4	
130 1,2,3-Trichloropropane	110	12.146	12.146	0.000	81	101429	10.0	10.5	
131 N-Propylbenzene	91	12.182	12.182	0.000	99	3799269	10.0	10.9	
132 2-Chlorotoluene	126	12.256	12.256	0.000	96	703226	10.0	10.1	
133 1,3,5-Trimethylbenzene	105	12.323	12.323	0.000	93	2603588	10.0	10.6	
134 4-Chlorotoluene	126	12.353	12.353	0.000	98	707737	10.0	9.94	
135 tert-Butylbenzene	134	12.566	12.566	0.000	93	585582	10.0	10.6	
136 Pentachloroethane	167	12.597	12.597	0.000	94	432003	10.0	10.8	
137 1,2,4-Trimethylbenzene	105	12.609	12.609	0.000	97	2621818	10.0	10.5	
138 sec-Butylbenzene	105	12.731	12.731	0.000	94	3405188	10.0	11.2	
139 1,3-Dichlorobenzene	146	12.829	12.829	0.000	98	1340881	10.0	10.4	
140 4-Isopropyltoluene	119	12.841	12.841	0.000	97	2885556	10.0	11.2	
* 141 1,4-Dichlorobenzene-d4	152	12.883	12.883	0.000	94	804825	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.902	12.902	0.000	94	1326072	10.0	9.71	
143 1,2,3-Trimethylbenzene	120	12.914	12.914	0.000	99	1099243	10.0	9.65	
144 Benzyl chloride	126	12.981	12.981	0.000	98	165280	10.0	10.5	
145 p-Diethylbenzene	119	13.115	13.115	0.000	93	1721835	10.0	11.6	
146 n-Butylbenzene	92	13.133	13.133	0.000	98	1427965	10.0	12.3	
147 1,2-Dichlorobenzene	146	13.164	13.164	0.000	98	1137343	10.0	10.2	
149 1,2-Dibromo-3-Chloropropane	155	13.713	13.713	0.000	84	48613	10.0	9.54	
150 1,3,5-Trichlorobenzene	180	13.835	13.835	0.000	98	986840	10.0	10.6	
151 1,2,4-Trichlorobenzene	180	14.255	14.255	0.000	94	764123	10.0	11.0	
152 Hexachlorobutadiene	225	14.341	14.341	0.000	95	395386	10.0	11.9	
153 Naphthalene	128	14.438	14.438	0.000	97	1204781	10.0	10.8	
154 1,2,3-Trichlorobenzene	180	14.578	14.578	0.000	96	618570	10.0	10.2	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00168

Amount Added: 20.00

Units: uL

MSV_LL_GAS826_00274

Amount Added: 20.00

Units: uL

MSV_LL_#2_826_00181

Amount Added: 20.00

Units: uL

MSV_LLcentISS_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 04-Jun-2025 22:39:34

Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X32.D

Injection Date: 04-Jun-2025 21:08:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: CCVIS VSTD10

Worklist Smp#: 3

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

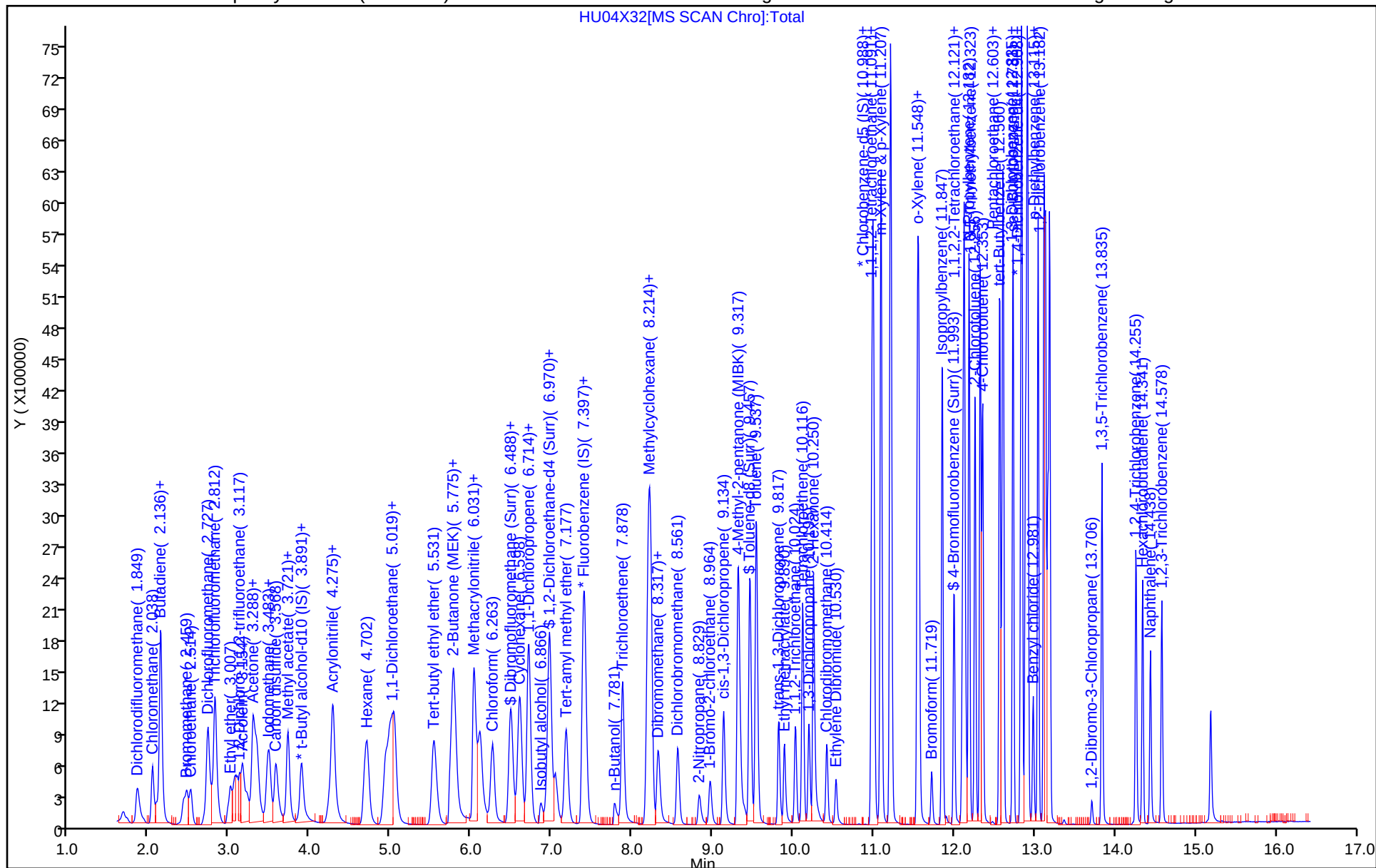
ALS Bottle#: 2

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

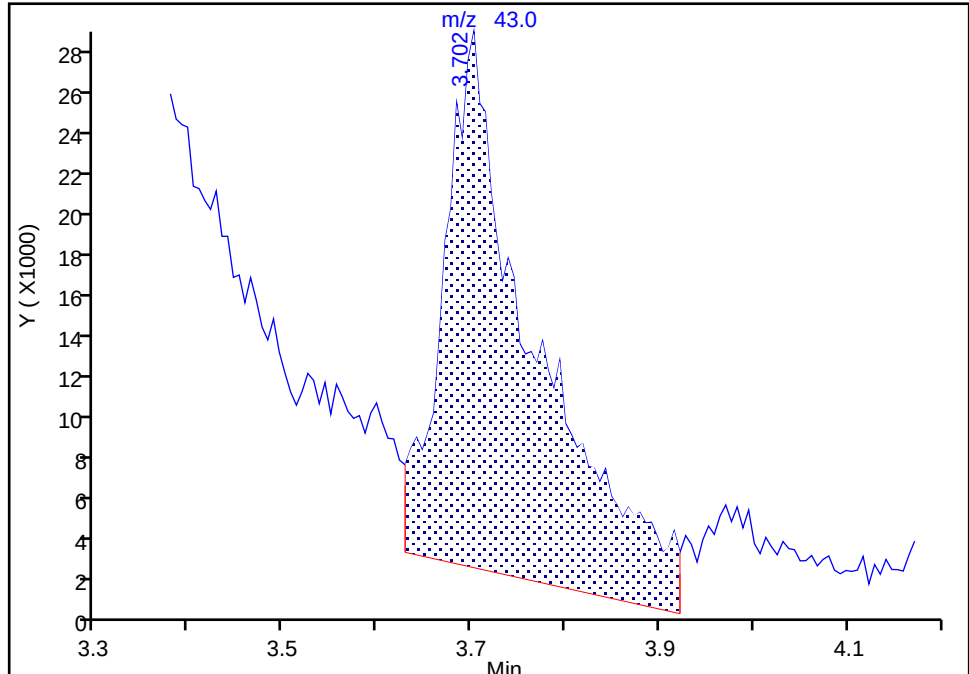
Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X32.D
Injection Date: 04-Jun-2025 21:08:30 Instrument ID: 19094
Lims ID: CCVIS VSTD10
Client ID:
Operator ID: gaw91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

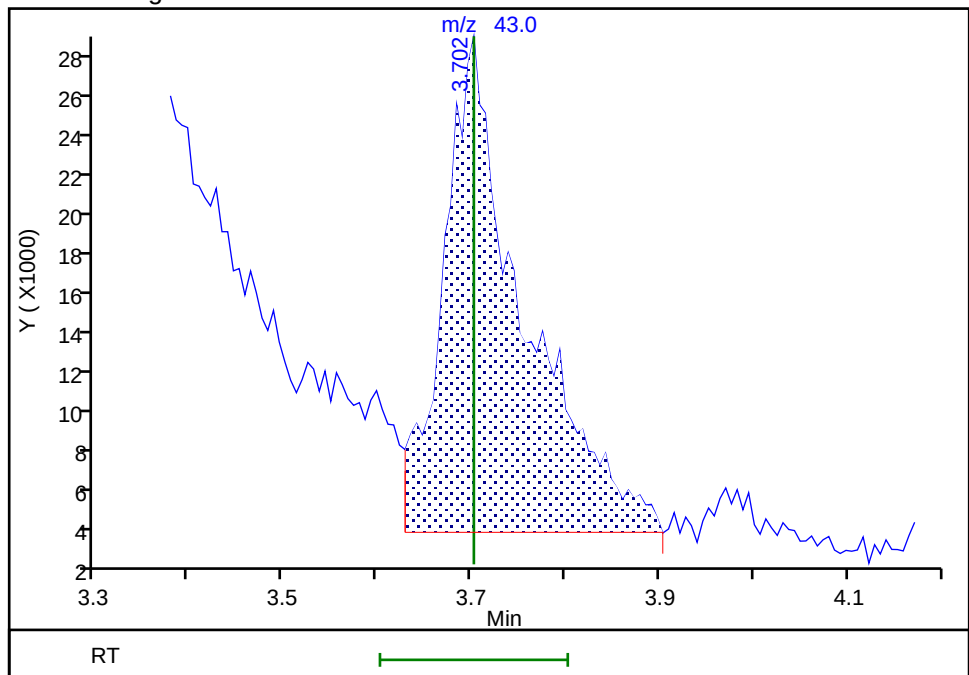
RT: 3.70
Area: 175245
Amount: 12.381268
Amount Units: ug/l

Processing Integration Results



RT: 3.70
Area: 148272
Amount: 10.545998
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 04-Jun-2025 21:51:14 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

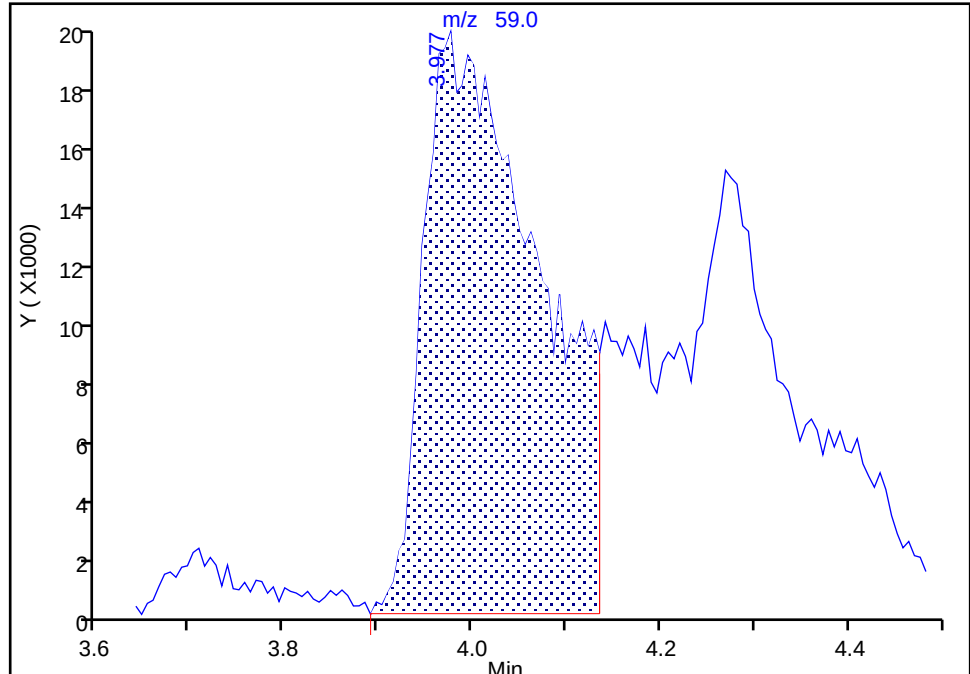
Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X32.D
Injection Date: 04-Jun-2025 21:08:30 Instrument ID: 19094
Lims ID: CCVIS VSTD10
Client ID:
Operator ID: gaw91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

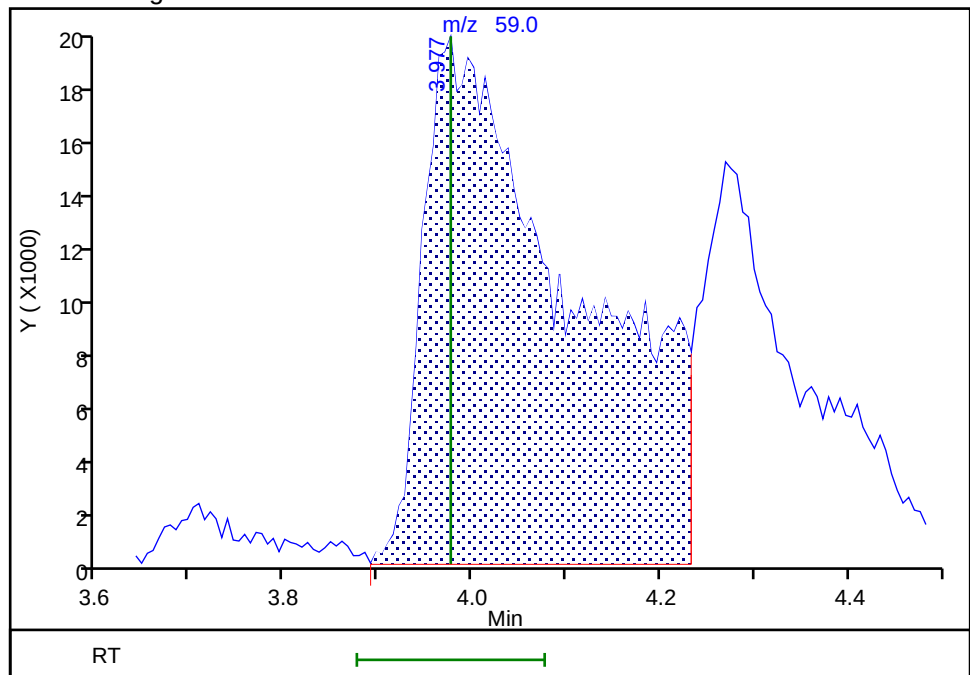
RT: 3.98
Area: 168725
Amount: 138.6991
Amount Units: ug/l

Processing Integration Results



RT: 3.98
Area: 220027
Amount: 180.8715
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 04-Jun-2025 21:51:27 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

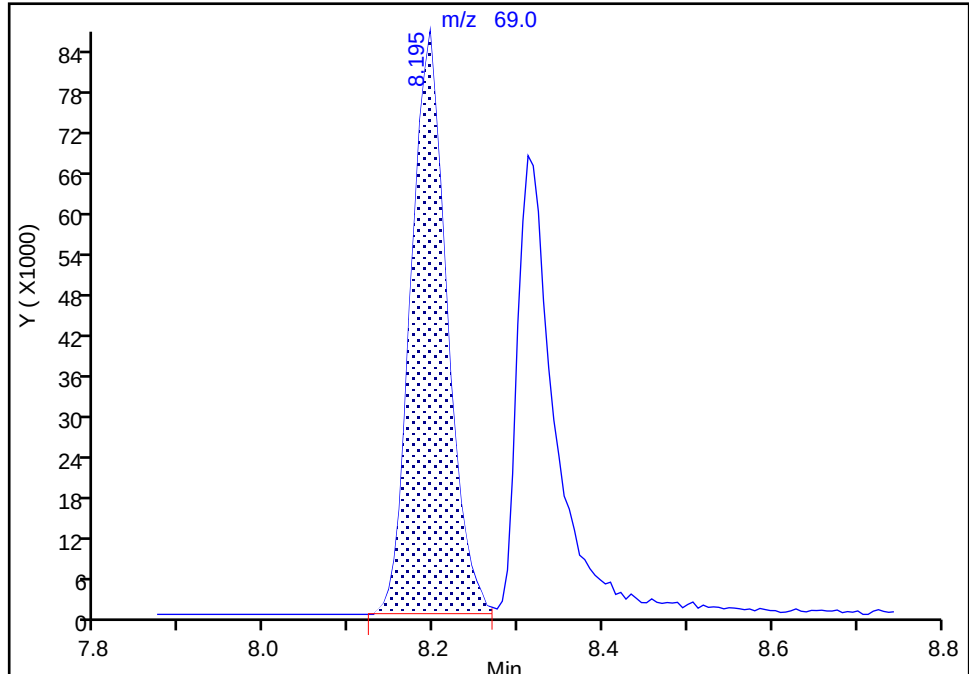
Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X32.D
Injection Date: 04-Jun-2025 21:08:30 Instrument ID: 19094
Lims ID: CCVIS VSTD10
Client ID:
Operator ID: gaw91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

72 Methyl methacrylate, CAS: 80-62-6

Signal: 1

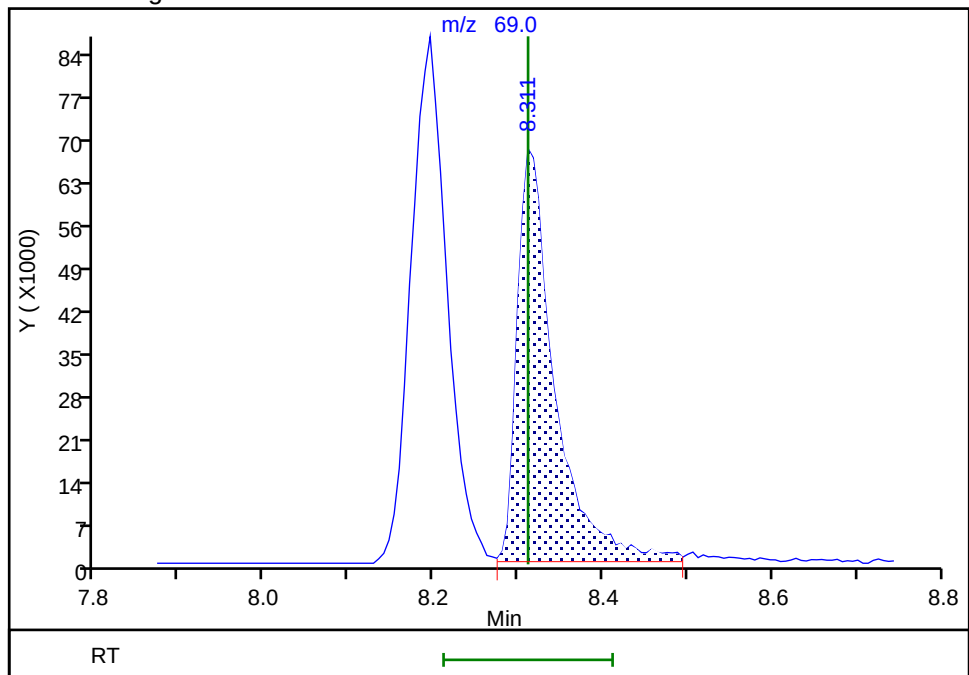
RT: 8.20
Area: 257903
Amount: 10.293744
Amount Units: ug/l

Processing Integration Results



RT: 8.31
Area: 209386
Amount: 8.415765
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 04-Jun-2025 21:52:12 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

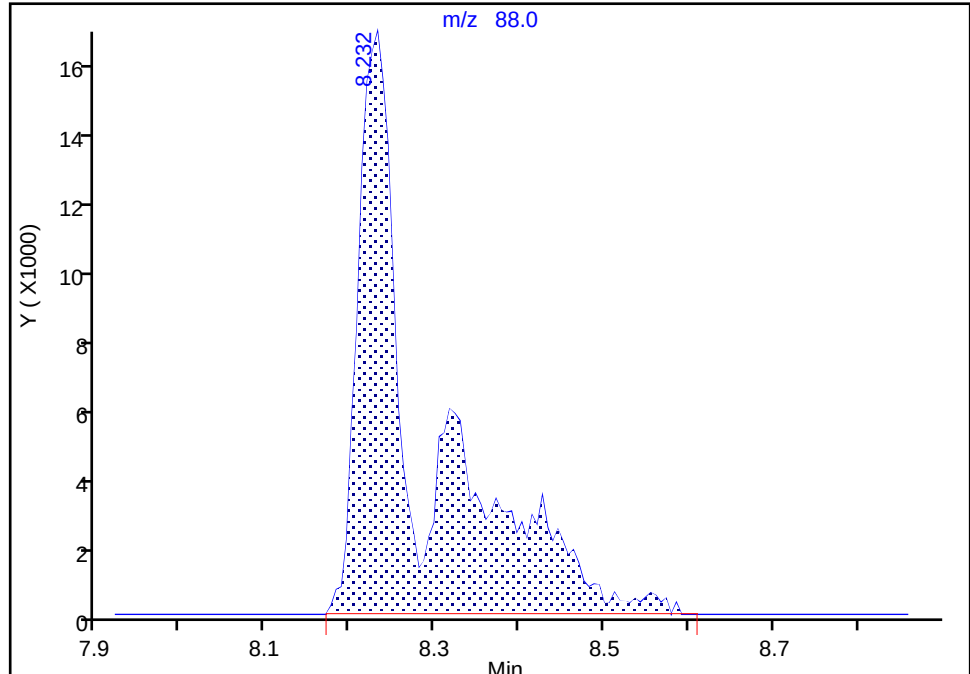
Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X32.D
Injection Date: 04-Jun-2025 21:08:30 Instrument ID: 19094
Lims ID: CCVIS VSTD10
Client ID:
Operator ID: gaw91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

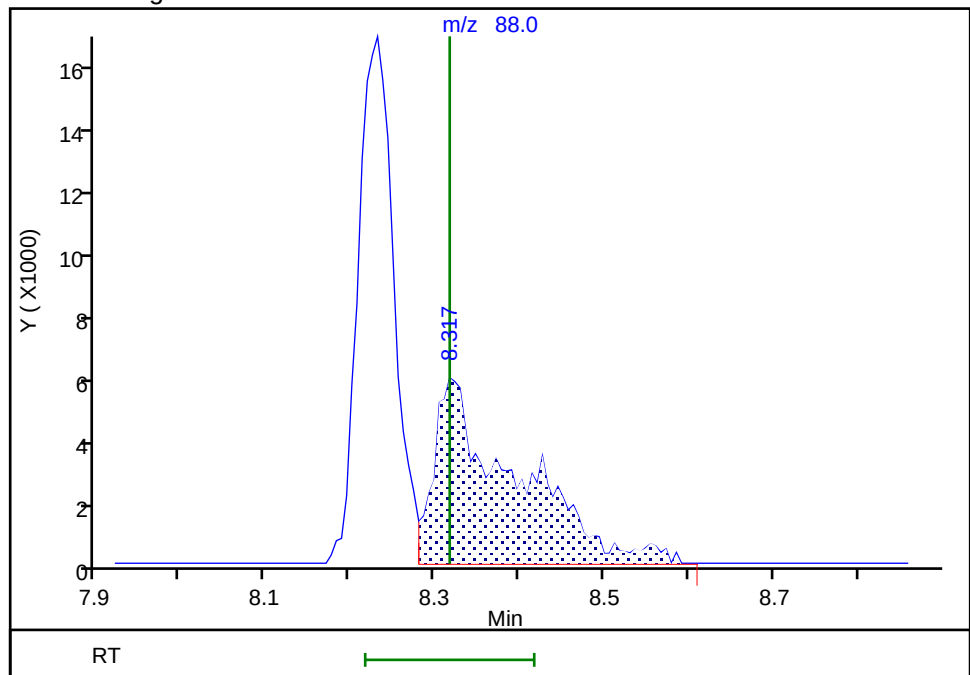
RT: 8.23
Area: 87068
Amount: 1497.9898
Amount Units: ug/l

Processing Integration Results



RT: 8.32
Area: 38760
Amount: 666.8591
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 04-Jun-2025 21:52:34 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.: _____

Lab Sample ID: ICV 410-617959/22

Calibration Date: 03/17/2025 22:13

Instrument ID: 19930

Calib Start Date: 03/17/2025 19:05

GC Column: R-624SilMS 30m ID: 0.25 (mm)

Calib End Date: 03/17/2025 21:31

Lab File ID: IM17X21.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	0.3894	0.3670	0.1000	4.71	5.00	-5.7	30.0
Chloromethane	Ave	0.5016	0.4333	0.1000	4.32	5.00	-13.6	30.0
Vinyl chloride	Ave	0.4217	0.3921	0.1000	4.65	5.00	-7.0	30.0
1,3-Butadiene	Ave	0.5908	0.4451		3.77	5.00	-24.7	30.0
Bromomethane	Ave	0.3454	0.3012	0.1000	4.36	5.00	-12.8	30.0
Chloroethane	Ave	0.2690	0.2513	0.1000	4.67	5.00	-6.6	30.0
Dichlorofluoromethane	Ave	0.7753	0.6702		4.32	5.00	-13.6	30.0
Trichlorofluoromethane	Ave	0.5316	0.5281	0.1000	4.97	5.00	-0.7	30.0
Ethyl ether	Ave	0.2507	0.1598		3.19	5.00	-36.3*	30.0
Freon 123a	Ave	0.3759	0.3623		4.82	5.00	-3.6	30.0
Acrolein	Ave	2.217	2.196		36.3	36.6	-0.9	30.0
1,1-Dichloroethene	Ave	0.2798	0.2664	0.1000	4.76	5.00	-4.8	30.0
Acetone	Ave	3.284	2.876	0.1000	54.7	62.5	-12.4	30.0
Freon 113	Ave	0.3177	0.2600	0.1000	4.09	5.00	-18.2	30.0
Methyl iodide	Ave	0.5797	0.4881		4.21	5.00	-15.8	30.0
Ethyl bromide	Ave	0.2605	0.2311		4.48	5.05	-11.3	30.0
Carbon disulfide	Ave	0.9027	0.7366	0.1000	4.08	5.00	-18.4	30.0
Methyl acetate	Ave	8.003	7.790	0.1000	4.87	5.00	-2.7	30.0
Allyl chloride	Ave	0.4564	0.3990		4.37	5.00	-12.6	30.0
Methylene Chloride	Ave	0.3288	0.3128	0.1000	4.76	5.00	-4.9	30.0
t-Butyl alcohol	Ave	1.153	1.038		45.0	50.0	-10.0	30.0
Acrylonitrile	Ave	3.925	3.810		24.3	25.0	-2.9	30.0
Methyl tert-butyl ether	Ave	0.7846	0.7241	0.1000	4.61	5.00	-7.7	30.0
trans-1,2-Dichloroethene	Ave	0.3105	0.2988	0.1000	4.81	5.00	-3.8	30.0
n-Hexane	Ave	0.4349	0.3780		4.35	5.00	-13.1	30.0
1,1-Dichloroethane	Ave	0.5968	0.5880	0.2000	4.93	5.00	-1.5	30.0
di-Isopropyl ether	Ave	0.9580	0.8894		4.64	5.00	-7.2	30.0
2-Chloro-1,3-butadiene	Ave	0.4645	0.4240		4.56	5.00	-8.7	30.0
Ethyl t-butyl ether	Ave	0.8957	0.8482		4.73	5.00	-5.3	30.0
2-Butanone (MEK)	Ave	5.536	5.388	0.1000	60.8	62.5	-2.7	30.0
cis-1,2-Dichloroethene	Ave	0.3469	0.3462	0.1000	4.99	5.00	-0.2	30.0
2,2-Dichloropropane	Ave	0.4909	0.4554		4.64	5.00	-7.2	30.0
Propionitrile	Ave	1.473	1.424		36.3	37.5	-3.3	30.0
Methacrylonitrile	Ave	5.655	5.333		35.4	37.5	-5.7	30.0
Bromochloromethane	Ave	0.1683	0.1607		4.77	5.00	-4.5	30.0
Tetrahydrofuran	Ave	1.661	1.625		24.5	25.0	-2.2	30.0
Chloroform	Ave	0.6083	0.5858	0.2000	4.81	5.00	-3.7	30.0
1,1,1-Trichloroethane	Ave	0.5209	0.4995	0.1000	4.79	5.00	-4.1	30.0
Cyclohexane	Ave	0.5372	0.4805	0.1000	4.47	5.00	-10.5	30.0
Carbon tetrachloride	Ave	0.4565	0.4476	0.1000	4.90	5.00	-2.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.: _____

Lab Sample ID: ICV 410-617959/22

Calibration Date: 03/17/2025 22:13

Instrument ID: 19930

Calib Start Date: 03/17/2025 19:05

GC Column: R-624SilMS 30m ID: 0.25 (mm)

Calib End Date: 03/17/2025 21:31

Lab File ID: IM17X21.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	0.4622	0.4372		4.73	5.00	-5.4	30.0
Isobutyl alcohol	Ave	0.4049	0.3469		107	125	-14.3	30.0
Benzene	Ave	1.381	1.296	0.5000	4.69	5.00	-6.2	30.0
1,2-Dichloroethane	Ave	0.3947	0.3807	0.1000	4.82	5.00	-3.6	30.0
t-Amyl methyl ether	Ave	0.8242	0.7879		4.78	5.00	-4.4	30.0
n-Heptane	Ave	0.4271	0.3996		4.68	5.00	-6.4	30.0
n-Butanol	Lin		0.2788		215	250	-14.2	30.0
Trichloroethene	Ave	0.3658	0.3429	0.2000	4.69	5.00	-6.3	30.0
Methylcyclohexane	Ave	0.5736	0.5266	0.1000	4.59	5.00	-8.2	30.0
1,2-Dichloropropane	Ave	0.3643	0.3515	0.1000	4.82	5.00	-3.5	30.0
Methyl methacrylate	Ave	9.864	9.230		4.68	5.00	-6.4	30.0
1,4-Dioxane	Ave	0.0869	0.0841	0.0050	121	125	-3.3	30.0
Dibromomethane	Ave	0.1799	0.1754		4.87	5.00	-2.5	30.0
Bromodichloromethane	Ave	0.4418	0.4247	0.2000	4.81	5.00	-3.9	30.0
2-Nitropropane	Ave	3.693	2.957		4.00	5.00	-19.9	30.0
1-Bromo-2-chloroethane	Ave	0.3761	0.3589		4.77	5.00	-4.6	30.0
cis-1,3-Dichloropropene	Ave	0.4921	0.4825	0.2000	4.90	5.00	-2.0	30.0
4-Methyl-2-pentanone (MIBK)	Ave	14.81	14.14	0.1000	59.7	62.5	-4.5	30.0
Toluene	Ave	1.161	1.108	0.4000	4.78	5.00	-4.5	30.0
trans-1,3-Dichloropropene	Ave	0.5498	0.5464	0.1000	4.97	5.00	-0.6	30.0
Ethyl methacrylate	Ave	0.4535	0.4393		4.84	5.00	-3.1	30.0
1,1,2-Trichloroethane	Ave	0.3464	0.3342	0.1000	4.82	5.00	-3.5	30.0
Tetrachloroethene	Ave	0.5651	0.5306	0.2000	4.69	5.00	-6.1	30.0
1,3-Dichloropropane	Ave	0.5953	0.5679		4.77	5.00	-4.6	30.0
2-Hexanone	Ave	10.42	10.17	0.1000	61.0	62.5	-2.4	30.0
Dibromochloromethane	Ave	0.4275	0.4214		4.93	5.00	-1.4	30.0
1,2-Dibromoethane (EDB)	Ave	0.3272	0.3165	0.1000	4.84	5.00	-3.3	30.0
1-Chlorohexane	Ave	0.6349	0.5872		4.62	5.00	-7.5	30.0
Chlorobenzene	Ave	1.364	1.300	0.5000	4.76	5.00	-4.7	30.0
1,1,1,2-Tetrachloroethane	Ave	0.4704	0.4585		4.87	5.00	-2.5	30.0
Ethylbenzene	Ave	2.266	2.216	0.1000	4.89	5.00	-2.2	30.0
m&p-Xylene	Ave	0.8828	0.8629	0.1000	9.77	10.0	-2.3	30.0
o-Xylene	Ave	0.8447	0.8334	0.3000	4.93	5.00	-1.3	30.0
Styrene	Ave	1.318	1.353	0.3000	5.13	5.00	2.6	30.0
Bromoform	Ave	0.2514	0.2527	0.1000	5.02	5.00	0.5	30.0
Isopropylbenzene	Ave	1.952	2.194	0.1000	5.62	5.00	12.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8183	0.7449	0.3000	4.55	5.00	-9.0	30.0
Bromobenzene	Ave	0.9765	0.9440		4.83	5.00	-3.3	30.0
trans-1,4-Dichloro-2-butene	Ave	5.103	4.583		22.5	25.0	-10.2	30.0
1,2,3-Trichloropropane	Ave	0.2210	0.2052		4.64	5.00	-7.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

Lab Sample ID: ICV 410-617959/22

Calibration Date: 03/17/2025 22:13

Instrument ID: 19930

Calib Start Date: 03/17/2025 19:05

GC Column: R-624SilMS 30m ID: 0.25 (mm)

Calib End Date: 03/17/2025 21:31

Lab File ID: IM17X21.D

Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Propylbenzene	Ave	4.595	4.541		4.94	5.00	-1.2	30.0
2-Chlorotoluene	Ave	0.9787	0.9349		4.78	5.00	-4.5	30.0
1,3,5-Trimethylbenzene	Ave	3.264	3.265		5.00	5.00	0.0	30.0
4-Chlorotoluene	Ave	1.003	0.9887		4.93	5.00	-1.4	30.0
tert-Butylbenzene	Ave	0.7643	0.7481		4.89	5.00	-2.1	30.0
Pentachloroethane	Ave	0.5931	0.5831		4.92	5.00	-1.7	30.0
1,2,4-Trimethylbenzene	Ave	3.294	3.276		4.97	5.00	-0.5	30.0
sec-Butylbenzene	Ave	4.252	4.211		4.95	5.00	-1.0	30.0
1,3-Dichlorobenzene	Ave	1.871	1.843	0.6000	4.93	5.00	-1.5	30.0
p-Isopropyltoluene	Ave	3.583	3.594		5.02	5.00	0.3	30.0
1,4-Dichlorobenzene	Ave	2.014	1.898	0.5000	4.71	5.00	-5.8	30.0
1,2,3-Trimethylbenzene	Ave	1.562	1.432		4.58	5.00	-8.3	30.0
Benzyl chloride	Ave	0.2889	0.2736		4.73	5.00	-5.3	30.0
n-Butylbenzene	Ave	1.825	1.801		4.93	5.00	-1.3	30.0
1,2-Dichlorobenzene	Ave	1.809	1.740	0.4000	4.81	5.00	-3.8	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.1100	0.1122	0.0500	5.10	5.00	1.9	30.0
1,3,5-Trichlorobenzene	Ave	1.362	1.339		4.92	5.00	-1.7	30.0
1,2,4-Trichlorobenzene	Ave	1.113	1.148	0.2000	5.16	5.00	3.1	30.0
Hexachlorobutadiene	Ave	0.5353	0.5681		5.31	5.00	6.1	30.0
Naphthalene	Ave	2.171	2.313		5.33	5.00	6.6	30.0
1,2,3-Trichlorobenzene	Ave	1.014	1.018		5.02	5.00	0.4	30.0
2-ethoxy-2-methyl butane	None					5.00		30.0
2-Methylnaphthalene	None					5.00		30.0
Isopropyl alcohol	None					37.5		30.0
p-Diethylbenzene	None					5.00		30.0
Pentane	None					5.00		30.0
Dibromofluoromethane (Surr)	Ave	0.2470	0.2439		9.87	10.0	-1.3	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0501	0.0492		9.83	10.0	-1.7	30.0
Toluene-d8 (Surr)	Ave	1.317	1.308		9.93	10.0	-0.7	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4825	0.4911		10.2	10.0	1.8	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X21.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 17-Mar-2025 22:13:30 ALS Bottle#: 21 Worklist Smp#: 22
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0141066-022
 Misc. Info.: ICV
 Operator ID: knk41612 Instrument ID: 19930
 Sublist:
 Method: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 19-Mar-2025 10:19:02 Calib Date: 17-Mar-2025 21:31:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1632

First Level Reviewer: K4WN

Date: 18-Mar-2025 09:32:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.806	1.806	0.000	99	472284	5.00	4.71	
4 Chloromethane	50	1.989	1.989	0.000	99	557603	5.00	4.32	
5 Vinyl chloride	62	2.093	2.099	-0.006	82	504550	5.00	4.65	
6 Butadiene	39	2.099	2.099	0.000	90	572683	5.00	3.77	
7 Bromomethane	94	2.404	2.404	0.000	91	387548	5.00	4.36	
8 Chloroethane	64	2.471	2.471	0.000	100	323308	5.00	4.67	
9 Dichlorofluoromethane	67	2.696	2.696	0.000	97	862406	5.00	4.32	
10 Trichlorofluoromethane	101	2.757	2.757	0.000	98	679609	5.00	4.97	
11 Ethyl ether	59	2.971	2.971	0.000	92	205520	5.00	3.19	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.056	3.056	0.000	93	466217	5.00	4.82	
14 Acrolein	56	3.129	3.123	0.006	99	344159	36.6	36.3	
15 1,1-Dichloroethene	96	3.257	3.257	0.000	97	342853	5.00	4.76	
16 Acetone	43	3.288	3.282	0.006	100	769709	62.5	54.7	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.294	3.294	0.000	90	334588	5.00	4.09	
18 Iodomethane	142	3.434	3.440	-0.006	99	628043	5.00	4.21	
19 Ethyl bromide	108	3.458	3.458	0.000	99	300429	5.05	4.48	
20 Carbon disulfide	76	3.538	3.538	0.000	99	947889	5.00	4.08	
23 Methyl acetate	43	3.678	3.672	0.006	31	166814	5.00	4.87	M
24 3-Chloro-1-propene	41	3.690	3.690	0.000	89	513366	5.00	4.37	
25 Methylene Chloride	84	3.861	3.861	0.000	92	402456	5.00	4.76	
* 26 t-Butyl alcohol-d10 (IS)	65	3.891	3.873	0.018	99	214127	50.0	50.0	
27 2-Methyl-2-propanol	59	4.007	3.989	0.018	98	222354	50.0	45.0	
28 Acrylonitrile	53	4.184	4.178	0.006	99	407954	25.0	24.3	
29 Methyl tert-butyl ether	73	4.239	4.233	0.006	96	931702	5.00	4.61	
30 trans-1,2-Dichloroethene	96	4.251	4.245	0.006	99	384553	5.00	4.81	
31 Hexane	57	4.672	4.672	0.000	92	486344	5.00	4.35	
32 1,1-Dichloroethane	63	4.903	4.903	0.000	96	756689	5.00	4.93	
35 Isopropyl ether	45	4.970	4.964	0.006	94	1144438	5.00	4.64	
36 2-Chloro-1,3-butadiene	53	5.019	5.019	0.000	92	545598	5.00	4.56	
37 Tert-butyl ethyl ether	59	5.513	5.513	0.000	97	1091403	5.00	4.73	

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	5.720	5.720	0.000	99	1442211	62.5	60.8	
39 cis-1,2-Dichloroethene	96	5.751	5.745	0.006	82	445473	5.00	4.99	
40 2,2-Dichloropropane	77	5.757	5.757	0.000	88	586038	5.00	4.64	
43 Propionitrile	54	5.824	5.799	0.025	96	228688	37.5	36.3	
45 Methacrylonitrile	67	6.019	6.019	0.000	92	856468	37.5	35.4	
46 Chlorobromomethane	128	6.080	6.080	0.000	94	206737	5.00	4.77	
47 Tetrahydrofuran	71	6.092	6.092	0.000	79	174017	25.0	24.5	
48 Chloroform	83	6.238	6.238	0.000	94	753738	5.00	4.81	
\$ 49 Dibromofluoromethane (Surr)	113	6.452	6.452	0.000	93	627563	10.0	9.87	
50 1,1,1-Trichloroethane	97	6.458	6.458	0.000	98	642782	5.00	4.79	
51 Cyclohexane	56	6.555	6.561	-0.006	91	618349	5.00	4.47	
54 Carbon tetrachloride	117	6.671	6.671	0.000	95	575986	5.00	4.90	
53 1,1-Dichloropropene	75	6.677	6.677	0.000	98	562594	5.00	4.73	
55 Isobutyl alcohol	41	6.854	6.836	0.018	93	185693	125.0	107.1	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.903	6.903	0.000	82	126690	10.0	9.83	
57 Benzene	78	6.939	6.933	0.006	97	1667631	5.00	4.69	
58 1,2-Dichloroethane	62	7.013	7.013	0.000	98	489856	5.00	4.82	
60 Tert-amyl methyl ether	73	7.134	7.135	-0.001	98	1013800	5.00	4.78	
* 61 Fluorobenzene (IS)	96	7.348	7.342	0.006	98	2573554	10.0	10.0	
62 n-Heptane	43	7.366	7.366	0.000	91	514237	5.00	4.68	
63 n-Butanol	56	7.744	7.726	0.018	90	298537	250.0	214.5	
64 Trichloroethene	95	7.829	7.830	-0.001	97	441229	5.00	4.69	
65 Methylcyclohexane	83	8.134	8.134	0.000	92	677577	5.00	4.59	
66 1,2-Dichloropropane	63	8.159	8.159	0.000	95	452241	5.00	4.82	
68 1,4-Dioxane	88	8.262	8.250	0.012	33	45007	125.0	120.9	
67 Methyl methacrylate	69	8.256	8.256	0.000	94	197642	5.00	4.68	
69 Dibromomethane	93	8.274	8.268	0.006	96	225649	5.00	4.87	
71 Dichlorobromomethane	83	8.512	8.506	0.006	99	546479	5.00	4.81	
72 2-Nitropropane	41	8.774	8.768	0.006	99	63317	5.00	4.00	
75 1-Bromo-2-chloroethane	63	8.902	8.896	0.006	99	461762	5.00	4.77	
76 cis-1,3-Dichloropropene	75	9.067	9.067	0.000	95	620834	5.00	4.90	
77 4-Methyl-2-pentanone (MIBK)	43	9.244	9.250	-0.006	97	3784194	62.5	59.7	
\$ 78 Toluene-d8 (Surr)	98	9.390	9.390	0.000	94	2538621	10.0	9.93	
79 Toluene	92	9.469	9.469	0.000	98	1075447	5.00	4.78	
97 trans-1,3-Dichloropropene	75	9.744	9.744	0.000	94	530105	5.00	4.97	
99 Ethyl methacrylate	69	9.817	9.811	0.006	89	426253	5.00	4.84	
100 1,1,2-Trichloroethane	97	9.951	9.951	0.000	91	324228	5.00	4.82	
101 Tetrachloroethene	166	10.042	10.042	0.000	98	514822	5.00	4.69	
102 1,3-Dichloropropane	76	10.116	10.116	0.000	91	550984	5.00	4.77	
103 2-Hexanone	43	10.177	10.171	0.006	96	2721412	62.5	61.0	
105 Chlorodibromomethane	129	10.335	10.335	0.000	90	408830	5.00	4.93	
106 Ethylene Dibromide	107	10.451	10.451	0.000	98	307082	5.00	4.84	
* 107 Chlorobenzene-d5 (IS)	117	10.890	10.890	0.000	86	1940455	10.0	10.0	
108 1-Chlorohexane	91	10.902	10.902	0.000	97	569704	5.00	4.62	
109 Chlorobenzene	112	10.914	10.914	0.000	95	1260820	5.00	4.76	
111 1,1,1,2-Tetrachloroethane	131	11.000	11.000	0.000	95	444814	5.00	4.87	
112 Ethylbenzene	91	11.006	11.006	0.000	98	2149746	5.00	4.89	
113 m-Xylene & p-Xylene	106	11.121	11.122	-0.001	93	1674363	10.0	9.77	
114 o-Xylene	106	11.457	11.457	0.000	96	808593	5.00	4.93	
115 Styrene	104	11.469	11.469	0.000	95	1312627	5.00	5.13	
116 Bromoform	173	11.627	11.628	-0.001	96	245143	5.00	5.02	
117 Isopropylbenzene	105	11.755	11.756	-0.001	96	2129023	5.00	5.62	

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	11.902	11.902	0.000	92	953023	10.0	10.2	
121 1,1,2,2-Tetrachloroethane	83	12.005	12.006	-0.001	94	420119	5.00	4.55	
122 Bromobenzene	156	12.018	12.018	0.000	95	532376	5.00	4.83	
123 trans-1,4-Dichloro-2-butene	53	12.030	12.030	0.000	93	490714	25.0	22.5	
124 1,2,3-Trichloropropane	110	12.048	12.048	0.000	82	115745	5.00	4.64	
125 N-Propylbenzene	91	12.091	12.091	0.000	99	2561213	5.00	4.94	
126 2-Chlorotoluene	126	12.164	12.164	0.000	97	527269	5.00	4.78	
127 1,3,5-Trimethylbenzene	105	12.225	12.225	0.000	94	1841150	5.00	5.00	
128 4-Chlorotoluene	126	12.255	12.255	0.000	97	557595	5.00	4.93	
129 tert-Butylbenzene	134	12.469	12.469	0.000	93	421901	5.00	4.89	
130 Pentachloroethane	167	12.499	12.499	0.000	93	328877	5.00	4.92	
131 1,2,4-Trimethylbenzene	105	12.511	12.512	-0.001	97	1847462	5.00	4.97	
132 sec-Butylbenzene	105	12.633	12.633	0.000	94	2374839	5.00	4.95	
133 1,3-Dichlorobenzene	146	12.731	12.725	0.006	98	1039304	5.00	4.93	
134 4-Isopropyltoluene	119	12.737	12.737	0.000	97	2027107	5.00	5.02	
* 135 1,4-Dichlorobenzene-d4	152	12.786	12.786	0.000	93	1127957	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.804	12.804	0.000	94	1070319	5.00	4.71	
137 1,2,3-Trimethylbenzene	120	12.810	12.810	0.000	99	807460	5.00	4.58	
138 Benzyl chloride	126	12.877	12.877	0.000	99	154283	5.00	4.73	
139 n-Butylbenzene	92	13.030	13.030	0.000	97	1015490	5.00	4.93	
140 1,2-Dichlorobenzene	146	13.060	13.060	0.000	99	981568	5.00	4.81	
142 1,2-Dibromo-3-Chloropropane	155	13.603	13.603	0.000	86	63254	5.00	5.10	
143 1,3,5-Trichlorobenzene	180	13.731	13.725	0.006	98	755444	5.00	4.92	
144 1,2,4-Trichlorobenzene	180	14.151	14.145	0.006	94	647363	5.00	5.16	
145 Hexachlorobutadiene	225	14.231	14.231	0.000	97	320377	5.00	5.31	
146 Naphthalene	128	14.328	14.322	0.006	97	1304612	5.00	5.33	
147 1,2,3-Trichlorobenzene	180	14.468	14.468	0.000	95	573875	5.00	5.02	
156 p-Diethylbenzene	1		0.000				ND	ND	
155 2-Methylnaphthalene	142		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
161 Pentane	43		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_00213	Amount Added: 12.50	Units: uL	
MSV_LCS_ACROL_00217	Amount Added: 12.50	Units: uL	
LCS_ETBR_00009	Amount Added: 12.50	Units: uL	
MSV_LCS_EE_00010	Amount Added: 12.50	Units: uL	
MSV_QC_Gas826_00250	Amount Added: 12.50	Units: uL	
MSV_LCS_Penta_00053	Amount Added: 12.50	Units: uL	
MSV_LLcentISS_00016	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 19-Mar-2025 10:19:08

Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X21.D

Injection Date: 17-Mar-2025 22:13:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: ICV

Worklist Smp#: 22

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

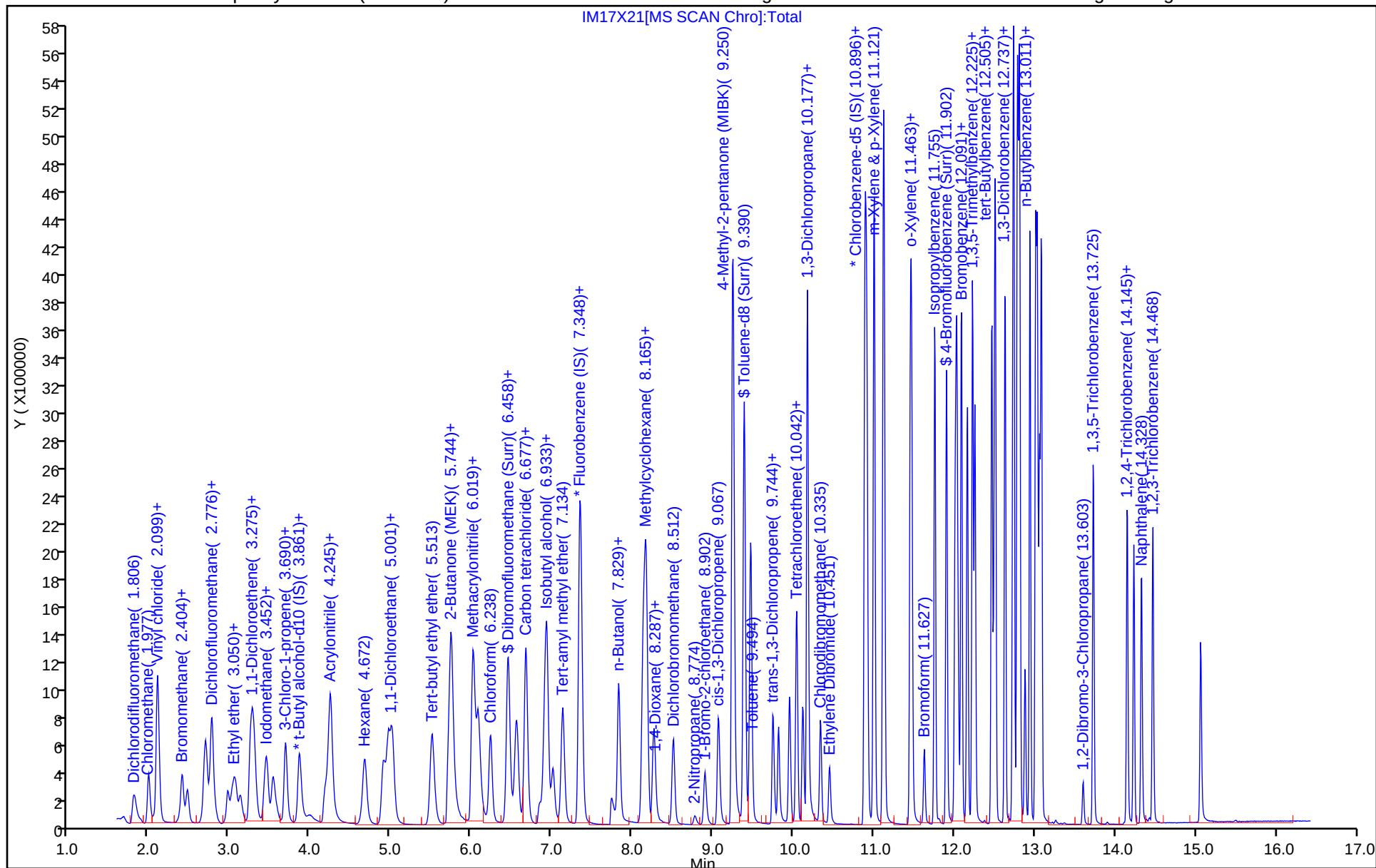
ALS Bottle#: 21

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\20250317-141066.b\IM17X21.D

Injection Date: 17-Mar-2025 22:13:30

Instrument ID: 19930

Lims ID: ICV

Client ID:

Operator ID: knk41612

ALS Bottle#:

21

Worklist Smp#:

22

Purge Vol: 25.000 mL

Dil. Factor:

1.0000

Method: 8260 25ml HP31

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

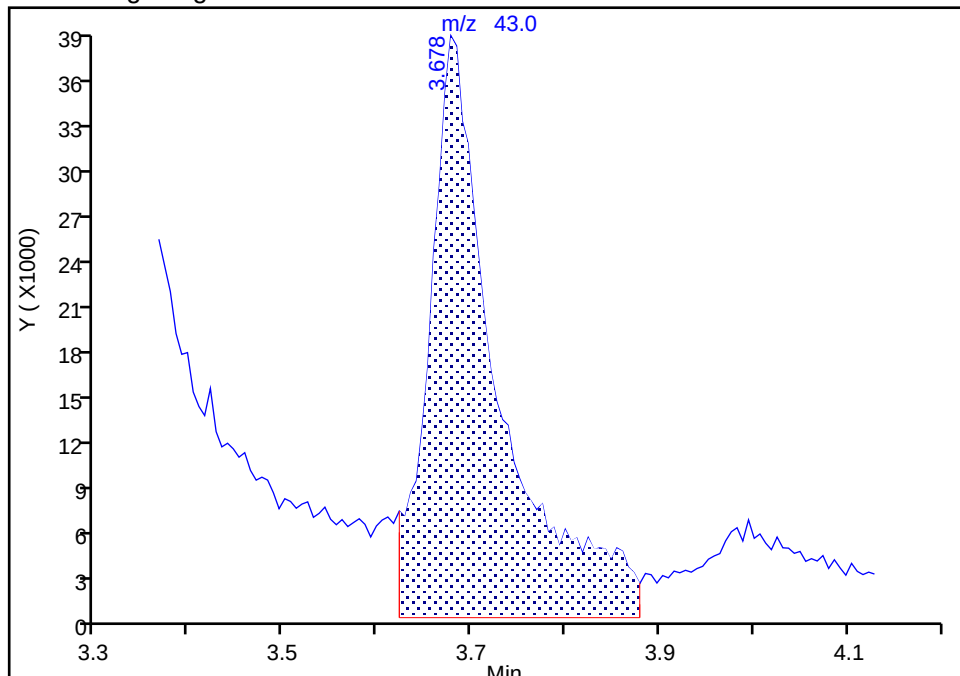
MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

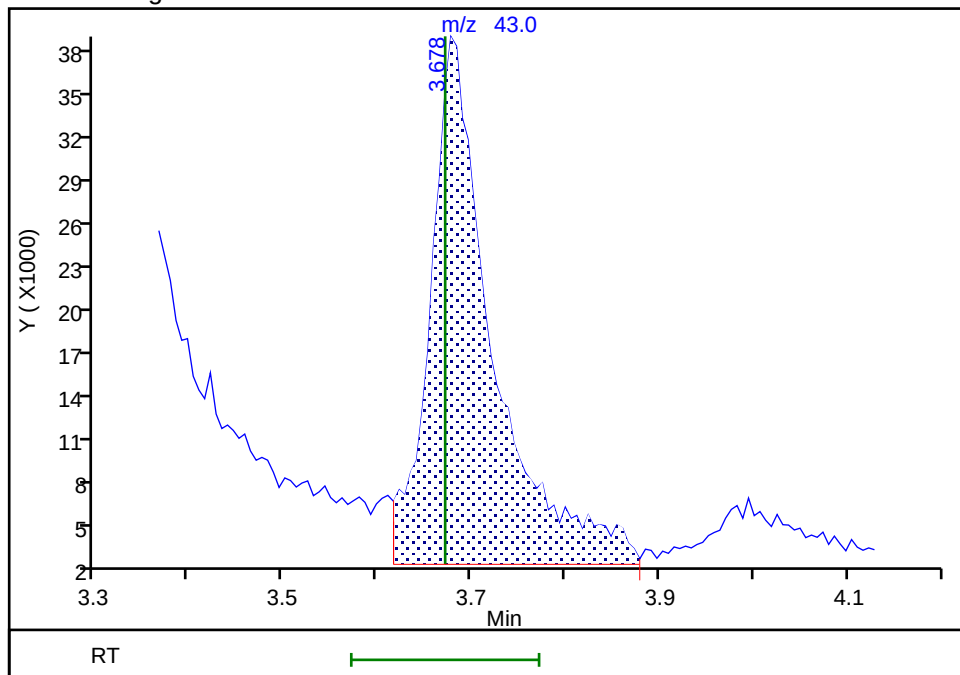
RT: 3.68
Area: 195738
Amount: 5.711416
Amount Units: ug/l

Processing Integration Results



RT: 3.68
Area: 166814
Amount: 4.867446
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 09:32:29 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

Lab Sample ID: CCVIS 410-652669/3

Calibration Date: 06/04/2025 13:42

Instrument ID: 19930

Calib Start Date: 03/17/2025 19:05

GC Column: R-624SilMS 30m ID: 0.25 (mm)

Calib End Date: 03/17/2025 21:31

Lab File ID: IU04X12.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	0.3894	0.3611	0.1000	11.6	12.5	-7.3	20.0
Chloromethane	Ave	0.5016	0.3706	0.1000	9.24	12.5	-26.1*	20.0
1,3-Butadiene	Ave	0.5908	0.4480		9.48	12.5	-24.2*	20.0
Vinyl chloride	Ave	0.4217	0.3655	0.1000	10.8	12.5	-13.3	20.0
Bromomethane	Ave	0.3454	0.2770	0.1000	10.0	12.5	-19.8	20.0
Chloroethane	Ave	0.2690	0.2097	0.1000	9.74	12.5	-22.0*	20.0
Dichlorofluoromethane	Ave	0.7753	0.5848		9.43	12.5	-24.6*	20.0
Trichlorofluoromethane	Ave	0.5316	0.4801	0.1000	11.3	12.5	-9.7	20.0
Ethyl ether	Ave	0.2507	0.2322		11.6	12.5	-7.3	20.0
Freon 123a	Ave	0.3759	0.3635		12.1	12.5	-3.3	20.0
Acrolein	Ave	2.217	2.264		623	610	2.2	20.0
1,1-Dichloroethene	Ave	0.2798	0.2517	0.1000	11.2	12.5	-10.0	20.0
Acetone	Ave	3.284	2.457	0.1000	93.5	125	-25.2*	20.0
Freon 113	Ave	0.3177	0.2724	0.1000	10.7	12.5	-14.3	20.0
Methyl iodide	Ave	0.5797	0.5098		11.0	12.5	-12.1	20.0
Ethyl bromide	Ave	0.2605	0.2412		11.6	12.5	-7.4	20.0
Carbon disulfide	Ave	0.9027	0.7763	0.1000	10.8	12.5	-14.0	20.0
Methyl acetate	Ave	8.003	6.996	0.1000	10.9	12.5	-12.6	20.0
Allyl chloride	Ave	0.4564	0.3968		10.9	12.5	-13.1	20.0
Methylene Chloride	Ave	0.3288	0.2970	0.1000	11.3	12.5	-9.7	20.0
t-Butyl alcohol	Ave	1.153	1.021		221	250	-11.5	20.0
Acrylonitrile	Ave	3.925	3.472		27.6	31.3	-11.5	20.0
Methyl tert-butyl ether	Ave	0.7846	0.7500	0.1000	11.9	12.5	-4.4	20.0
trans-1,2-Dichloroethene	Ave	0.3105	0.2942	0.1000	11.8	12.5	-5.3	20.0
n-Hexane	Ave	0.4349	0.3982		11.4	12.5	-8.4	20.0
1,1-Dichloroethane	Ave	0.5968	0.5224	0.2000	10.9	12.5	-12.5	20.0
di-Isopropyl ether	Ave	0.9580	0.8561		11.2	12.5	-10.6	20.0
2-Chloro-1,3-butadiene	Ave	0.4645	0.4246		11.4	12.5	-8.6	20.0
Ethyl t-butyl ether	Ave	0.8957	0.8758		12.2	12.5	-2.2	20.0
2-Butanone (MEK)	Ave	5.536	4.761	0.1000	108	125	-14.0	20.0
cis-1,2-Dichloroethene	Ave	0.3469	0.3470	0.1000	12.5	12.5	0.0	20.0
2,2-Dichloropropane	Ave	0.4909	0.4411		11.2	12.5	-10.1	20.0
Propionitrile	Ave	1.473	1.305		221	250	-11.4	20.0
Methacrylonitrile	Ave	5.655	5.087		112	125	-10.0	20.0
Bromochloromethane	Ave	0.1683	0.1564		11.6	12.5	-7.1	20.0
Tetrahydrofuran	Ave	1.661	1.570		59.1	62.5	-5.5	20.0
Chloroform	Ave	0.6083	0.5276	0.2000	10.8	12.5	-13.3	20.0
1,1,1-Trichloroethane	Ave	0.5209	0.4578	0.1000	11.0	12.5	-12.1	20.0
Cyclohexane	Ave	0.5372	0.5013	0.1000	11.7	12.5	-6.7	20.0
1,1-Dichloropropene	Ave	0.4622	0.4245		11.5	12.5	-8.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

Lab Sample ID: CCVIS 410-652669/3

Calibration Date: 06/04/2025 13:42

Instrument ID: 19930

Calib Start Date: 03/17/2025 19:05

GC Column: R-624SilMS 30m ID: 0.25 (mm)

Calib End Date: 03/17/2025 21:31

Lab File ID: IU04X12.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	0.4565	0.4061	0.1000	11.1	12.5	-11.1	20.0
Isobutyl alcohol	Ave	0.4049	0.3262		504	625	-19.4	20.0
Benzene	Ave	1.381	1.277	0.5000	11.6	12.5	-7.5	20.0
1,2-Dichloroethane	Ave	0.3947	0.3208	0.1000	10.2	12.5	-18.7	20.0
t-Amyl methyl ether	Ave	0.8242	0.8299		12.6	12.5	0.7	20.0
n-Heptane	Ave	0.4271	0.3772		11.0	12.5	-11.7	20.0
n-Butanol	Lin		0.3229		966	1090	-11.6	20.0
Trichloroethene	Ave	0.3658	0.3342	0.2000	11.4	12.5	-8.6	20.0
Methylcyclohexane	Ave	0.5736	0.5669	0.1000	12.4	12.5	-1.2	20.0
1,2-Dichloropropane	Ave	0.3643	0.3226	0.1000	11.1	12.5	-11.4	20.0
Methyl methacrylate	Ave	9.864	10.09		12.8	12.5	2.3	20.0
1,4-Dioxane	Ave	0.0869	0.0736	0.0050	529	625	-15.4	20.0
Dibromomethane	Ave	0.1799	0.1600		11.1	12.5	-11.1	20.0
Bromodichloromethane	Ave	0.4418	0.3828	0.2000	10.8	12.5	-13.4	20.0
2-Nitropropane	Ave	3.693	2.590		43.8	62.5	-29.9*	20.0
1-Bromo-2-chloroethane	Ave	0.3761	0.3245		10.8	12.5	-13.7	20.0
cis-1,3-Dichloropropene	Ave	0.4921	0.4872	0.2000	12.4	12.5	-1.0	20.0
4-Methyl-2-pentanone (MIBK)	Ave	14.81	12.34	0.1000	104	125	-16.7	20.0
Toluene	Ave	1.161	1.101	0.4000	11.9	12.5	-5.1	20.0
trans-1,3-Dichloropropene	Ave	0.5498	0.5303	0.1000	12.1	12.5	-3.6	20.0
Ethyl methacrylate	Ave	0.4535	0.4638		12.8	12.5	2.3	20.0
1,1,2-Trichloroethane	Ave	0.3464	0.3122	0.1000	11.3	12.5	-9.9	20.0
Tetrachloroethene	Ave	0.5651	0.5120	0.2000	11.3	12.5	-9.4	20.0
1,3-Dichloropropane	Ave	0.5953	0.5353		11.2	12.5	-10.1	20.0
2-Hexanone	Ave	10.42	8.928	0.1000	107	125	-14.3	20.0
Dibromochloromethane	Ave	0.4275	0.3870		11.3	12.5	-9.5	20.0
1,2-Dibromoethane (EDB)	Ave	0.3272	0.3047	0.1000	11.6	12.5	-6.9	20.0
1-Chlorohexane	Ave	0.6349	0.6083		12.0	12.5	-4.2	20.0
Chlorobenzene	Ave	1.364	1.270	0.5000	11.6	12.5	-6.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4704	0.4353		11.6	12.5	-7.5	20.0
Ethylbenzene	Ave	2.266	2.166	0.1000	11.9	12.5	-4.4	20.0
m&p-Xylene	Ave	0.8828	0.8742	0.1000	24.8	25.0	-1.0	20.0
o-Xylene	Ave	0.8447	0.8537	0.3000	12.6	12.5	1.1	20.0
Styrene	Ave	1.318	1.406	0.3000	13.3	12.5	6.7	20.0
Bromoform	Ave	0.2514	0.2365	0.1000	11.8	12.5	-5.9	20.0
Isopropylbenzene	Ave	1.952	1.975	0.1000	12.7	12.5	1.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8183	0.6928	0.3000	10.6	12.5	-15.3	20.0
Bromobenzene	Ave	0.9765	0.9033		11.6	12.5	-7.5	20.0
trans-1,4-Dichloro-2-butene	Ave	5.103	3.520		86.2	125	-31.0*	20.0
1,2,3-Trichloropropane	Ave	0.2210	0.1914		10.8	12.5	-13.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

Lab Sample ID: CCVIS 410-652669/3

Calibration Date: 06/04/2025 13:42

Instrument ID: 19930

Calib Start Date: 03/17/2025 19:05

GC Column: R-624SilMS 30m ID: 0.25 (mm)

Calib End Date: 03/17/2025 21:31

Lab File ID: IU04X12.D

Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Propylbenzene	Ave	4.595	4.379		11.9	12.5	-4.7	20.0
2-Chlorotoluene	Ave	0.9787	0.9033		11.5	12.5	-7.7	20.0
1,3,5-Trimethylbenzene	Ave	3.264	3.251		12.4	12.5	-0.4	20.0
4-Chlorotoluene	Ave	1.003	0.9562		11.9	12.5	-4.6	20.0
tert-Butylbenzene	Ave	0.7643	0.7590		12.4	12.5	-0.7	20.0
Pentachloroethane	Ave	0.5931	0.6064		12.8	12.5	2.2	20.0
1,2,4-Trimethylbenzene	Ave	3.294	3.299		12.5	12.5	0.2	20.0
sec-Butylbenzene	Ave	4.252	4.275		12.6	12.5	0.5	20.0
1,3-Dichlorobenzene	Ave	1.871	1.812	0.6000	12.1	12.5	-3.1	20.0
p-Isopropyltoluene	Ave	3.583	3.708		12.9	12.5	3.5	20.0
1,4-Dichlorobenzene	Ave	2.014	1.870	0.5000	11.6	12.5	-7.1	20.0
1,2,3-Trimethylbenzene	Ave	1.562	1.497		12.0	12.5	-4.2	20.0
Benzyl chloride	Ave	0.2889	0.2980		12.9	12.5	3.1	20.0
n-Butylbenzene	Ave	1.825	1.815		12.4	12.5	-0.5	20.0
1,2-Dichlorobenzene	Ave	1.809	1.675	0.4000	11.6	12.5	-7.4	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1100	0.1087	0.0500	12.3	12.5	-1.2	20.0
1,3,5-Trichlorobenzene	Ave	1.362	1.389		12.7	12.5	2.0	20.0
1,2,4-Trichlorobenzene	Ave	1.113	1.198	0.2000	13.5	12.5	7.6	20.0
Hexachlorobutadiene	Ave	0.5353	0.5600		13.1	12.5	4.6	20.0
Naphthalene	Ave	2.171	2.392		13.8	12.5	10.2	20.0
1,2,3-Trichlorobenzene	Ave	1.014	1.073		13.2	12.5	5.9	20.0
Dibromofluoromethane (Surr)	Ave	0.2470	0.2384		9.65	10.0	-3.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0501	0.0526		10.5	10.0	5.0	20.0
Toluene-d8 (Surr)	Ave	1.317	1.343		10.2	10.0	1.9	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4825	0.4885		10.1	10.0	1.2	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\U04X12.D
 Lims ID: CCVIS VSTD12.5
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 04-Jun-2025 13:42:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0149239-003
 Misc. Info.: CCVIS VSTD12.5
 Operator ID: ecr105096 Instrument ID: 19930
 Sublist: chrom-8260 25ml HP31*sub2
 Method: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-Jun-2025 17:29:47 Calib Date: 17-Mar-2025 21:31:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1623

First Level Reviewer: N7YK

Date: 04-Jun-2025 14:49:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.806	1.806	0.000	99	1122909	12.5	11.6	M
4 Chloromethane	50	1.983	1.983	0.000	99	1152266	12.5	9.24	
6 Butadiene	39	2.087	2.087	0.000	90	1392931	12.5	9.48	
5 Vinyl chloride	62	2.093	2.093	0.000	98	1136478	12.5	10.8	
7 Bromomethane	94	2.392	2.392	0.000	90	861426	12.5	10.0	
8 Chloroethane	64	2.453	2.453	0.000	99	652177	12.5	9.74	
9 Dichlorofluoromethane	67	2.684	2.684	0.000	97	1818480	12.5	9.43	
10 Trichlorofluoromethane	101	2.745	2.745	0.000	98	1493043	12.5	11.3	
11 Ethyl ether	59	2.940	2.940	0.000	88	722419	12.5	11.6	
13 1,2-Dichloro-1,1,2-trifluoroetha	67	3.032	3.032	0.000	91	1130171	12.5	12.1	
14 Acrolein	56	3.093	3.093	0.000	100	5622022	609.9	623.1	M
15 1,1-Dichloroethene	96	3.227	3.227	0.000	97	782800	12.5	11.2	
16 Acetone	43	3.245	3.245	0.000	100	1250320	125.0	93.5	
17 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.269	3.269	0.000	92	847140	12.5	10.7	
18 Iodomethane	142	3.410	3.410	0.000	98	1585394	12.5	11.0	
19 Ethyl bromide	108	3.428	3.428	0.000	98	749304	12.5	11.6	
20 Carbon disulfide	76	3.507	3.507	0.000	99	2413994	12.5	10.8	
23 Methyl acetate	43	3.629	3.629	0.000	96	356011	12.5	10.9	
24 3-Chloro-1-propene	41	3.654	3.654	0.000	93	1233939	12.5	10.9	
25 Methylene Chloride	84	3.818	3.818	0.000	89	923463	12.5	11.3	
* 26 t-Butyl alcohol-d10 (IS)	65	3.830	3.830	0.000	95	203544	50.0	50.0	M
27 2-Methyl-2-propanol	59	3.940	3.940	0.000	100	1039122	250.0	221.3	
28 Acrylonitrile	53	4.135	4.135	0.000	98	441746	31.3	27.6	
29 Methyl tert-butyl ether	73	4.190	4.190	0.000	94	2332194	12.5	11.9	
30 trans-1,2-Dichloroethene	96	4.202	4.202	0.000	99	914840	12.5	11.8	
31 Hexane	57	4.623	4.623	0.000	89	1238263	12.5	11.4	
32 1,1-Dichloroethane	63	4.855	4.855	0.000	96	1624573	12.5	10.9	
35 Isopropyl ether	45	4.922	4.922	0.000	93	2661934	12.5	11.2	
36 2-Chloro-1,3-butadiene	53	4.970	4.970	0.000	89	1320310	12.5	11.4	
37 Tert-butyl ethyl ether	59	5.464	5.464	0.000	97	2723384	12.5	12.2	

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	5.665	5.665	0.000	98	2422761	125.0	107.5	
39 cis-1,2-Dichloroethene	96	5.702	5.702	0.000	80	1079129	12.5	12.5	
40 2,2-Dichloropropane	77	5.720	5.720	0.000	86	1371551	12.5	11.2	
43 Propionitrile	54	5.757	5.757	0.000	99	1327860	250.0	221.4	
45 Methacrylonitrile	67	5.970	5.970	0.000	90	2588499	125.0	112.4	
46 Chlorobromomethane	128	6.043	6.043	0.000	89	486426	12.5	11.6	
47 Tetrahydrofuran	71	6.049	6.049	0.000	76	399471	62.5	59.1	
48 Chloroform	83	6.196	6.196	0.000	92	1640459	12.5	10.8	
\$ 49 Dibromofluoromethane (Surr)	113	6.415	6.415	0.000	94	593051	10.0	9.65	
50 1,1,1-Trichloroethane	97	6.427	6.427	0.000	98	1423497	12.5	11.0	
51 Cyclohexane	56	6.525	6.525	0.000	87	1558947	12.5	11.7	
54 Carbon tetrachloride	117	6.641	6.641	0.000	80	1262725	12.5	11.1	
53 1,1-Dichloropropene	75	6.641	6.641	0.000	97	1320017	12.5	11.5	
55 Isobutyl alcohol	41	6.805	6.805	0.000	95	829925	625.0	503.5	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.872	6.872	0.000	88	130807	10.0	10.5	
57 Benzene	78	6.903	6.903	0.000	95	3972149	12.5	11.6	
58 1,2-Dichloroethane	62	6.982	6.982	0.000	97	997514	12.5	10.2	
60 Tert-amyl methyl ether	73	7.110	7.110	0.000	99	2580714	12.5	12.6	
* 61 Fluorobenzene (IS)	96	7.317	7.317	0.000	99	2487629	10.0	10.0	
62 n-Heptane	43	7.342	7.342	0.000	89	1172901	12.5	11.0	
63 n-Butanol	56	7.708	7.708	0.000	85	1437875	1093.8	966.5	
64 Trichloroethene	95	7.805	7.805	0.000	97	1039226	12.5	11.4	
65 Methylcyclohexane	83	8.116	8.116	0.000	91	1762908	12.5	12.4	
66 1,2-Dichloropropane	63	8.140	8.140	0.000	97	1003237	12.5	11.1	
67 Methyl methacrylate	69	8.238	8.238	0.000	89	513248	12.5	12.8	
68 1,4-Dioxane	88	8.244	8.244	0.000	36	187237	625.0	529.1	
69 Dibromomethane	93	8.250	8.250	0.000	95	497655	12.5	11.1	
71 Dichlorobromomethane	83	8.494	8.494	0.000	100	1190185	12.5	10.8	
72 2-Nitropropane	41	8.762	8.762	0.000	97	658971	62.5	43.8	
75 1-Bromo-2-chloroethane	63	8.890	8.890	0.000	98	1009155	12.5	10.8	
76 cis-1,3-Dichloropropene	75	9.061	9.061	0.000	98	1514957	12.5	12.4	
77 4-Methyl-2-pentanone (MIBK)	43	9.244	9.244	0.000	94	6281029	125.0	104.2	
\$ 78 Toluene-d8 (Surr)	98	9.384	9.384	0.000	93	2541482	10.0	10.2	
79 Toluene	92	9.469	9.469	0.000	99	2605100	12.5	11.9	
97 trans-1,3-Dichloropropene	75	9.744	9.744	0.000	90	1254287	12.5	12.1	
99 Ethyl methacrylate	69	9.817	9.817	0.000	88	1096996	12.5	12.8	
100 1,1,2-Trichloroethane	97	9.957	9.957	0.000	90	738436	12.5	11.3	
101 Tetrachloroethene	166	10.049	10.049	0.000	97	1211070	12.5	11.3	
102 1,3-Dichloropropane	76	10.128	10.128	0.000	87	1266138	12.5	11.2	
103 2-Hexanone	43	10.183	10.183	0.000	94	4543231	125.0	107.1	
105 Chlorodibromomethane	129	10.347	10.347	0.000	90	915407	12.5	11.3	
106 Ethylene Dibromide	107	10.457	10.457	0.000	99	720702	12.5	11.6	
* 107 Chlorobenzene-d5 (IS)	117	10.902	10.902	0.000	84	1892354	10.0	10.0	
108 1-Chlorohexane	91	10.920	10.920	0.000	95	1438999	12.5	12.0	
109 Chlorobenzene	112	10.933	10.933	0.000	97	3004699	12.5	11.6	
111 1,1,1,2-Tetrachloroethane	131	11.018	11.018	0.000	97	1029637	12.5	11.6	
112 Ethylbenzene	91	11.024	11.024	0.000	98	5123332	12.5	11.9	
113 m-Xylene & p-Xylene	106	11.140	11.140	0.000	93	4135884	25.0	24.8	
114 o-Xylene	106	11.475	11.475	0.000	95	2019462	12.5	12.6	
115 Styrene	104	11.493	11.493	0.000	95	3326444	12.5	13.3	
116 Bromoform	173	11.652	11.652	0.000	98	559443	12.5	11.8	
117 Isopropylbenzene	105	11.780	11.780	0.000	95	4672755	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	11.926	11.926	0.000	93	924402	10.0	10.1	
121 1,1,2,2-Tetrachloroethane	83	12.030	12.030	0.000	93	968442	12.5	10.6	
122 Bromobenzene	156	12.042	12.042	0.000	95	1262622	12.5	11.6	
123 trans-1,4-Dichloro-2-butene	53	12.054	12.054	0.000	89	1791066	125.0	86.2	
124 1,2,3-Trichloropropane	110	12.073	12.073	0.000	79	267566	12.5	10.8	
125 N-Propylbenzene	91	12.115	12.115	0.000	99	6120542	12.5	11.9	
126 2-Chlorotoluene	126	12.188	12.188	0.000	97	1262660	12.5	11.5	
127 1,3,5-Trimethylbenzene	105	12.249	12.249	0.000	94	4544857	12.5	12.4	
128 4-Chlorotoluene	126	12.280	12.280	0.000	97	1336658	12.5	11.9	
129 tert-Butylbenzene	134	12.493	12.493	0.000	93	1060991	12.5	12.4	
130 Pentachloroethane	167	12.524	12.524	0.000	94	847592	12.5	12.8	
131 1,2,4-Trimethylbenzene	105	12.536	12.536	0.000	96	4611446	12.5	12.5	
132 sec-Butylbenzene	105	12.658	12.658	0.000	94	5975616	12.5	12.6	
133 1,3-Dichlorobenzene	146	12.755	12.755	0.000	99	2532612	12.5	12.1	
134 4-Isopropyltoluene	119	12.768	12.768	0.000	97	5183266	12.5	12.9	
* 135 1,4-Dichlorobenzene-d4	152	12.810	12.810	0.000	94	1118273	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.829	12.829	0.000	95	2614523	12.5	11.6	
137 1,2,3-Trimethylbenzene	120	12.841	12.841	0.000	98	2092368	12.5	12.0	
138 Benzyl chloride	126	12.908	12.908	0.000	98	416602	12.5	12.9	
139 n-Butylbenzene	92	13.060	13.060	0.000	97	2537755	12.5	12.4	
140 1,2-Dichlorobenzene	146	13.091	13.091	0.000	99	2341240	12.5	11.6	
142 1,2-Dibromo-3-Chloropropane	155	13.633	13.633	0.000	90	151902	12.5	12.3	
143 1,3,5-Trichlorobenzene	180	13.761	13.761	0.000	98	1942046	12.5	12.7	
144 1,2,4-Trichlorobenzene	180	14.182	14.182	0.000	94	1674502	12.5	13.5	
145 Hexachlorobutadiene	225	14.267	14.267	0.000	96	782760	12.5	13.1	
146 Naphthalene	128	14.359	14.359	0.000	96	3344142	12.5	13.8	
147 1,2,3-Trichlorobenzene	180	14.499	14.499	0.000	96	1500431	12.5	13.2	
156 p-Diethylbenzene	1		0.000				ND	ND	
155 2-Methylnaphthalene	142		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00168

Amount Added: 25.00

Units: uL

MSV_LL_#2_826_00181

Amount Added: 25.00

Units: uL

MSV_LL_GAS826_00274

Amount Added: 25.00

Units: uL

MSV_LLcentISS_00017

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\U04X12.D

Injection Date: 04-Jun-2025 13:42:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: CCVIS VSTD12.5

Worklist Smp#: 3

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

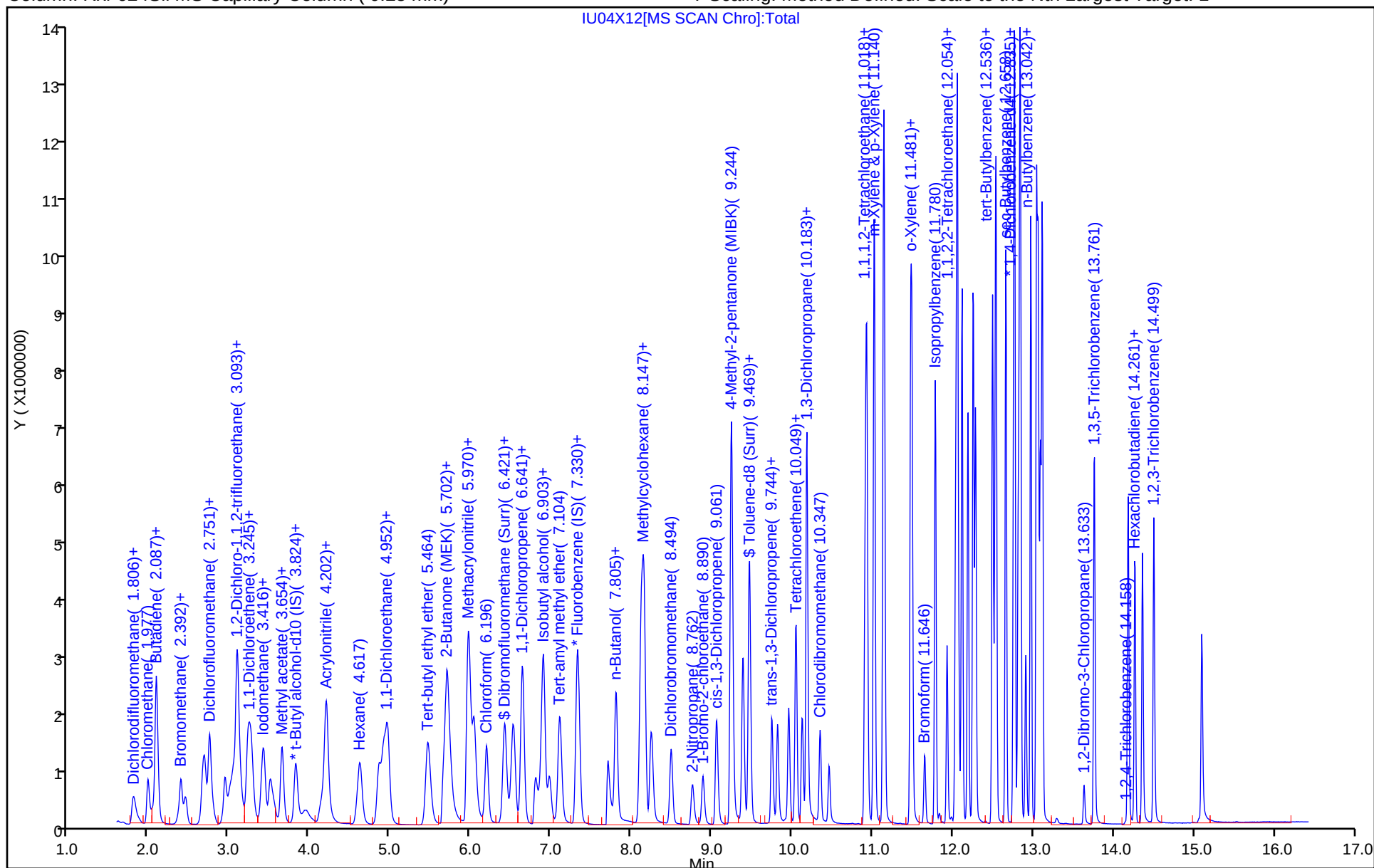
ALS Bottle#: 2

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



Eurofins Lancaster Laboratories Environment Testing, LLC

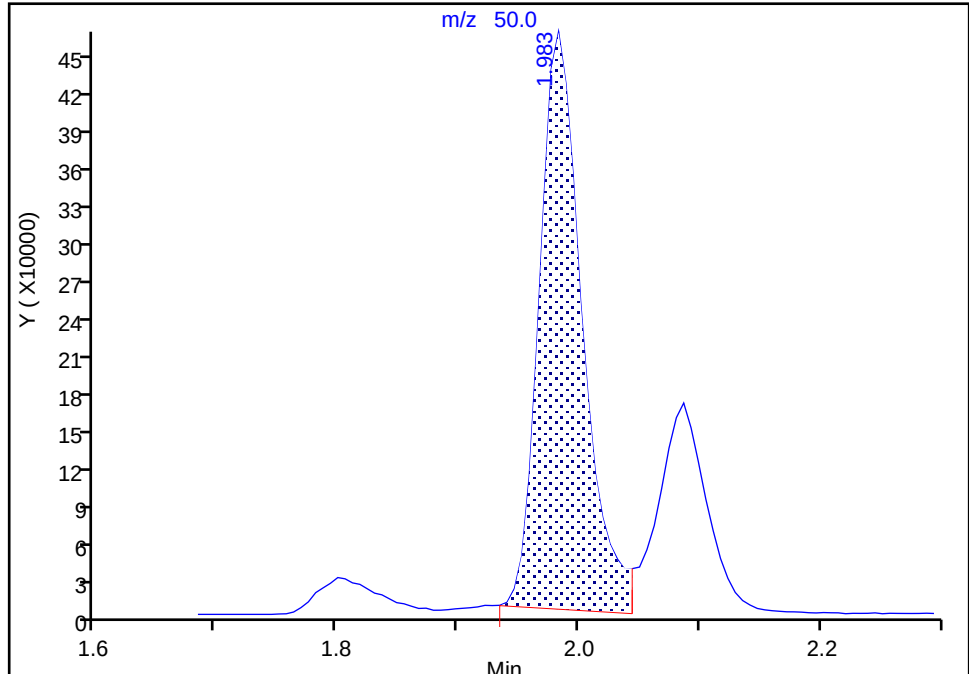
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Injection Date: 04-Jun-2025 13:42:30 Instrument ID: 19930
Lims ID: CCVIS VSTD12.5
Client ID:
Operator ID: ecr105096 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

4 Chloromethane, CAS: 74-87-3

Signal: 1

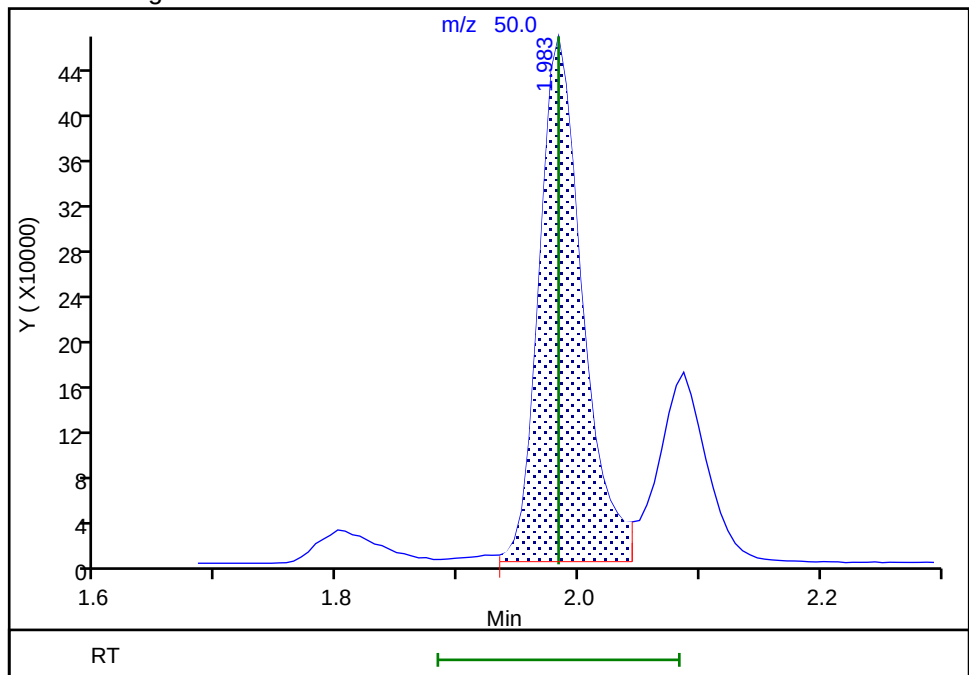
RT: 1.98
Area: 1143822
Amount: 9.167565
Amount Units: ug/l

Processing Integration Results



RT: 1.98
Area: 1152266
Amount: 9.235243
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 04-Jun-2025 14:23:25 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

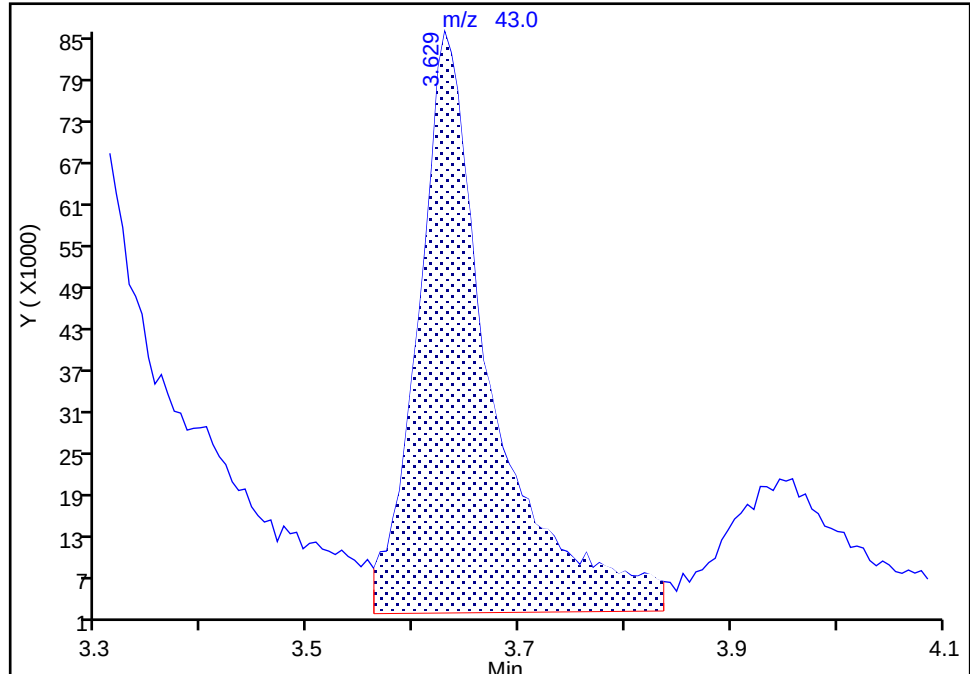
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Injection Date: 04-Jun-2025 13:42:30 Instrument ID: 19930
Lims ID: CCVIS VSTD12.5
Client ID:
Operator ID: ecr105096 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: 8260 25ml HP31 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Methyl acetate, CAS: 79-20-9

Signal: 1

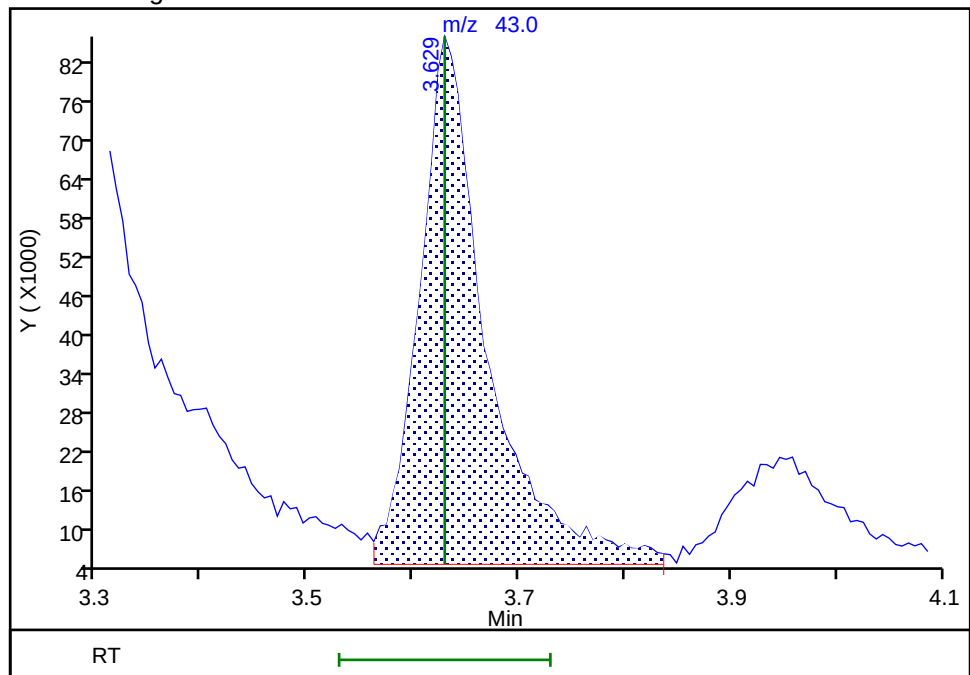
RT: 3.63
Area: 406522
Amount: 12.478600
Amount Units: ug/l

Processing Integration Results



RT: 3.63
Area: 356011
Amount: 10.928114
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 04-Jun-2025 14:23:44 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31T01.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 31-Mar-2025 15:05:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0142485-001
Misc. Info.: BFB
Operator ID: ecr105096 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-Apr-2025 14:31:01 Calib Date: 31-Mar-2025 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1652

First Level Reviewer: N7YK

Date: 31-Mar-2025 15:16:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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\$ 166 BFB	95	5.032	5.032	0.000	86	203197	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MSV_V_BFB_00018

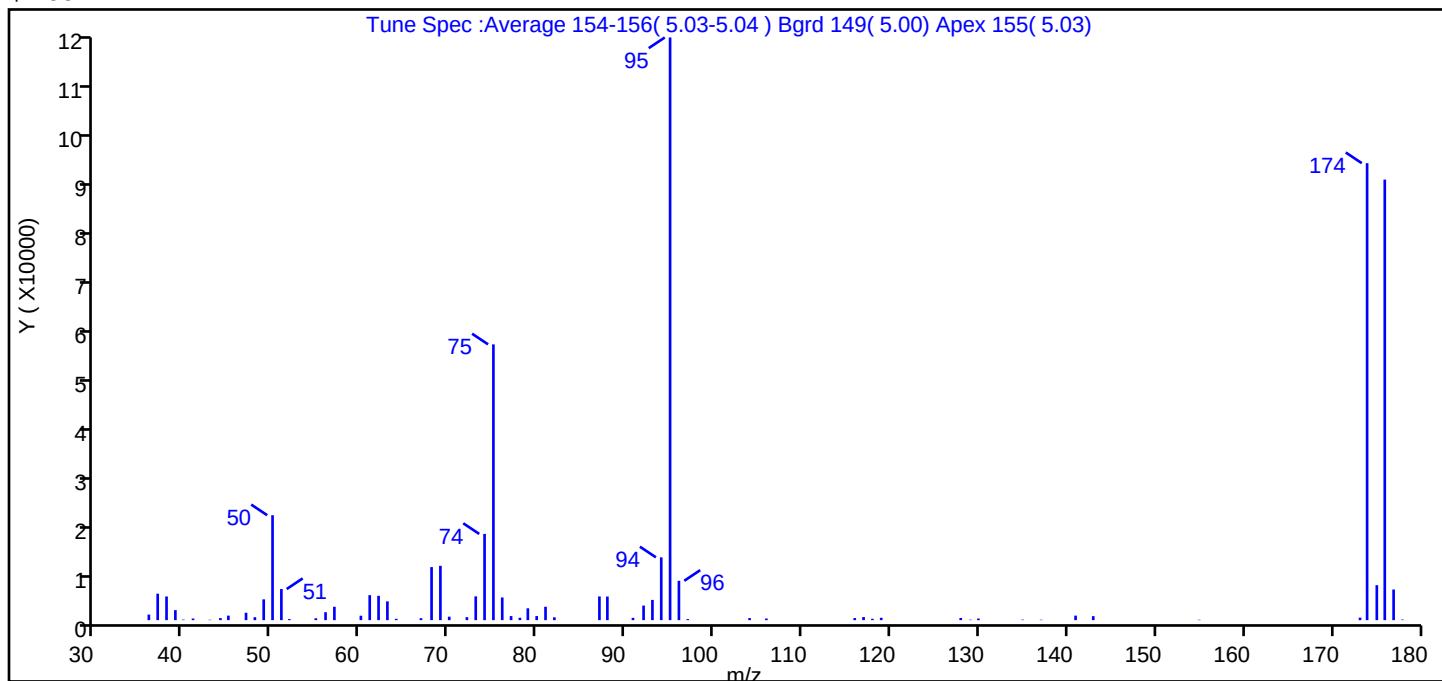
Amount Added: 1.00

Units: uL

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31T01.D
Injection Date: 31-Mar-2025 15:05:30 Instrument ID: 19094
Lims ID: bfb
Client ID:
Operator ID: ecr105096 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

\$ 166 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.0
75	30 to 60% of m/z 95	47.3
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.4 (0.5)
174	50 to 120% of m/z 95	78.4
175	5 to 9% of m/z 174	6.0 (7.6)
176	Greater than 95% but less than 101% of m/z 174	75.6 (96.4)
177	5 to 9% of m/z 176	5.3 (7.0)

Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31T01.D\MSV_19094_25mL.rsl\spectra.d
Injection Date: 31-Mar-2025 15:05:30
Spectrum: Tune Spec :Average 154-156(5.03-5.04) Bgrd 149(5.00) Apex 155(5.03)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 67

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1142	57.00	2751	79.00	2436	118.00	278
37.00	5441	60.00	910	80.00	839	119.00	485
38.00	4873	61.00	5139	81.00	2759	128.00	440
39.00	2061	62.00	5006	82.00	586	129.00	99
40.00	107	63.00	3867	87.00	4876	130.00	334
41.00	336	64.00	271	88.00	4855	135.00	103
43.00	83	67.00	400	91.00	468	137.00	91
44.00	423	68.00	10912	92.00	2997	141.00	932
45.00	930	69.00	11175	93.00	4163	143.00	821
47.00	1523	70.00	714	94.00	12918	155.00	86
48.00	609	72.00	610	95.00	119872	173.00	513
49.00	4281	73.00	4893	96.00	8096	174.00	94016
50.00	21584	74.00	17736	97.00	215	175.00	7190
51.00	6399	75.00	56736	104.00	424	176.00	90632
52.00	219	76.00	4665	106.00	334	177.00	6301
55.00	385	77.00	837	116.00	427	178.00	116
56.00	1633	78.00	492	117.00	643		

Report Date: 10-Apr-2025 14:31:01

Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31T01.D

Injection Date: 31-Mar-2025 15:05:30

Instrument ID: 19094

Operator ID: ecr105096

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 uL

Dil. Factor: 1.0000

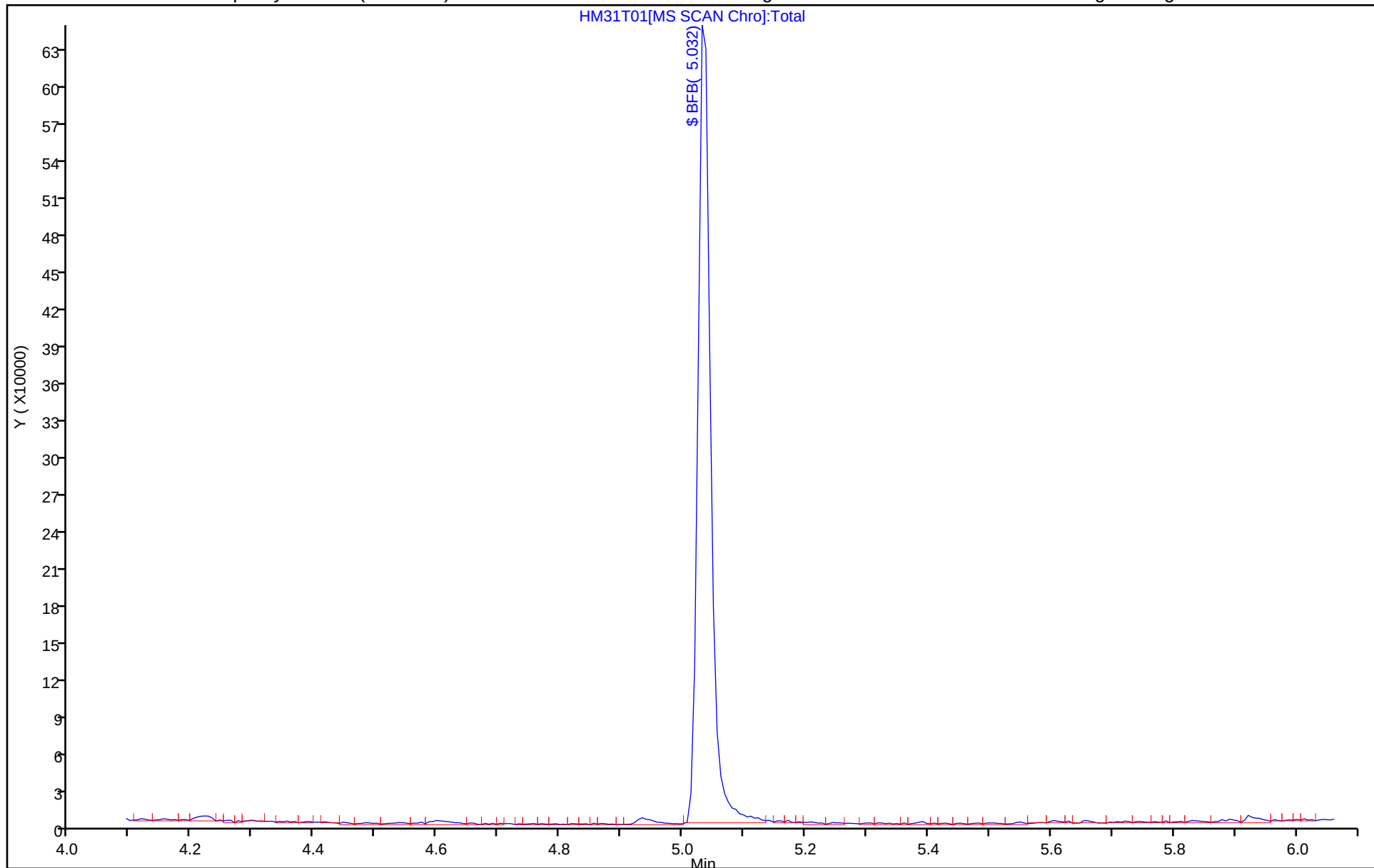
ALS Bottle#: 1

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04T31.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 04-Jun-2025 20:34:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0149342-001
Misc. Info.: BFB
Operator ID: gaw91131 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 05-Jun-2025 14:09:00 Calib Date: 31-Mar-2025 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 14:09:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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\$ 166 BFB	95	5.038	5.038	0.000	89	154404	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MSV_V_BFB_00019

Amount Added: 1.00

Units: uL

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04T31.D

Injection Date: 04-Jun-2025 20:34:30

Instrument ID: 19094

Lims ID: BFB

Client ID:

Operator ID: gaw91131

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 uL

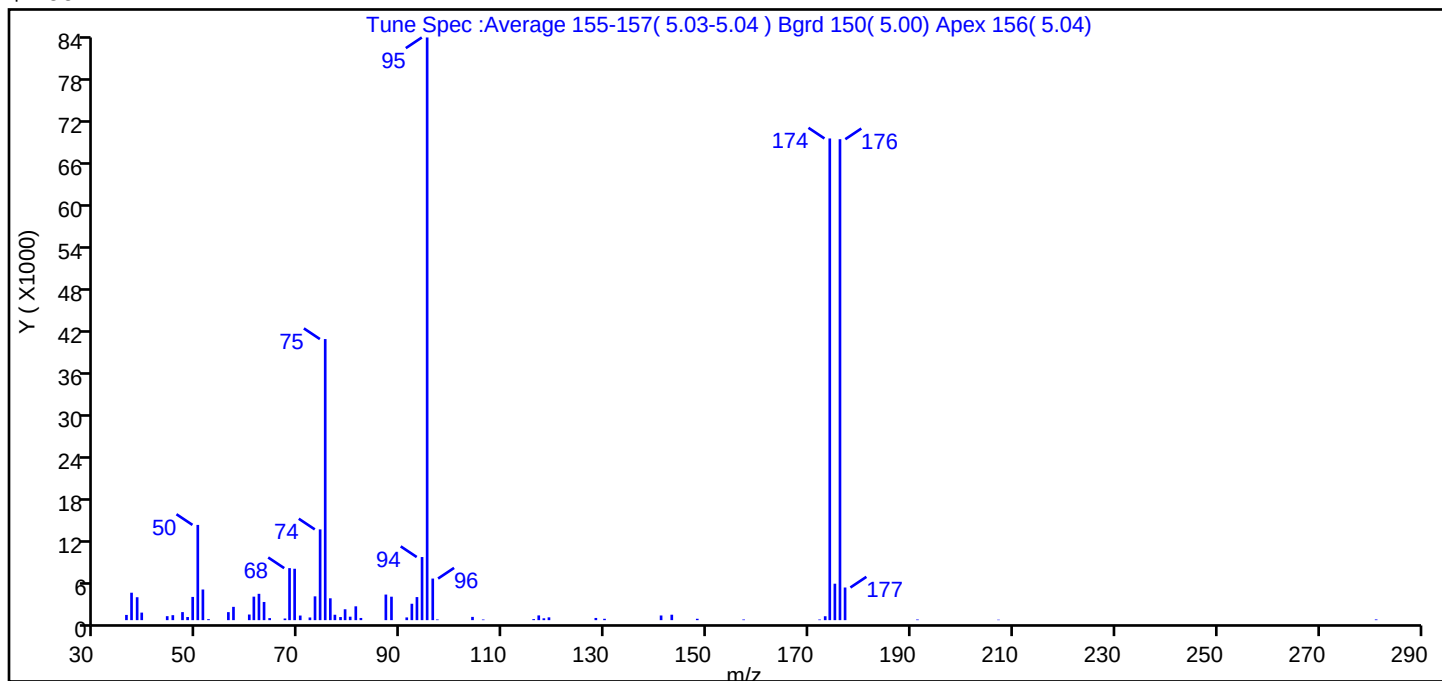
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Tune Method: BFB Method 8260

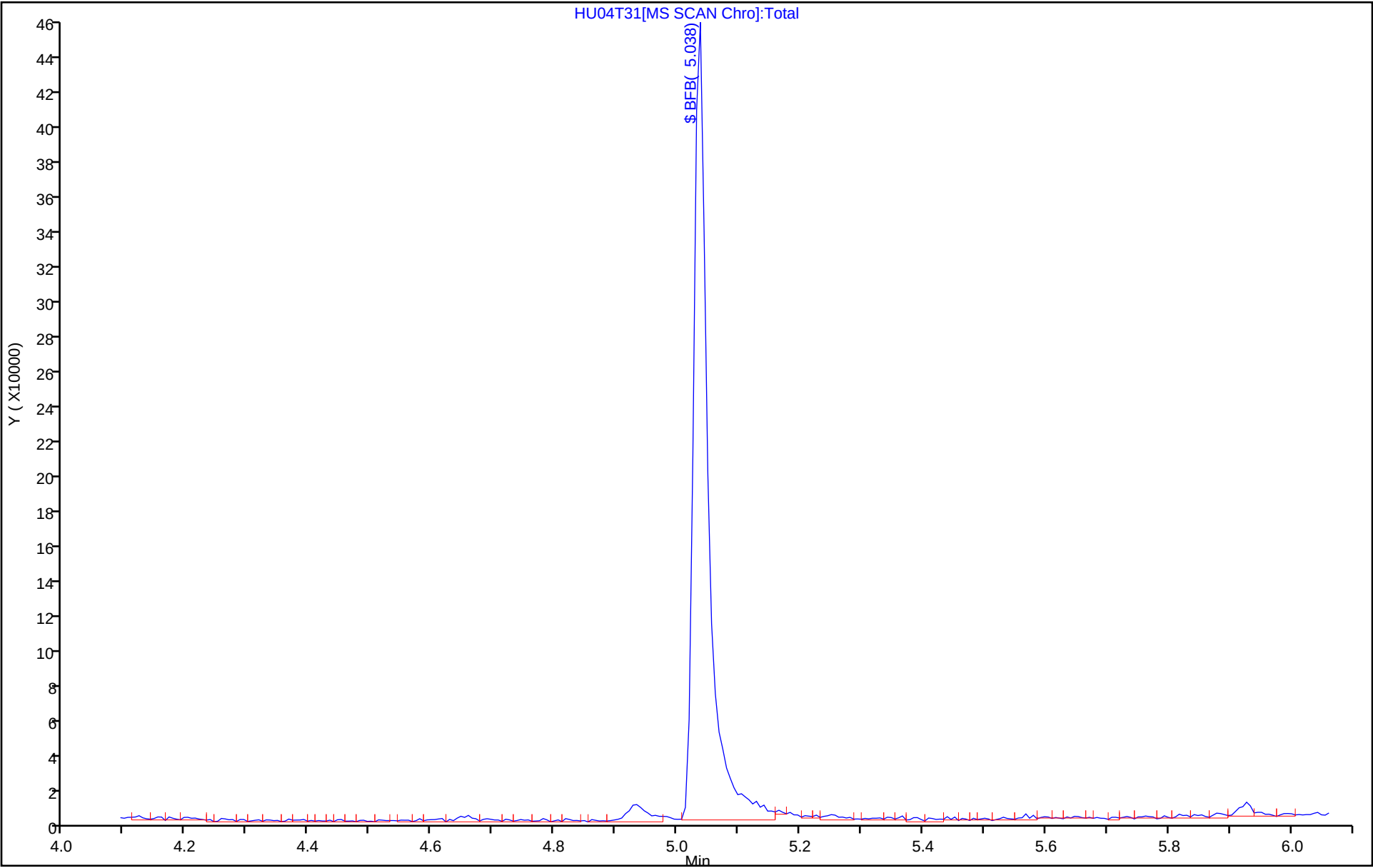
\$ 166 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.3
75	30 to 60% of m/z 95	48.2
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	0.7 (0.8)
174	50 to 120% of m/z 95	82.7
175	5 to 9% of m/z 174	6.3 (7.6)
176	Greater than 95% but less than 101% of m/z 174	82.5 (99.8)
177	5 to 9% of m/z 176	5.6 (6.8)

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04T31.D\MSV_19094_25mL.rslt\spectra.d
Injection Date: 04-Jun-2025 20:34:30
Spectrum: Tune Spec :Average 155-157(5.03-5.04) Bgrd 150(5.00) Apex 156(5.04)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 64

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	747	62.00	3769	81.00	1979	119.00	401
37.00	3927	63.00	2601	82.00	312	128.00	314
38.00	3279	64.00	293	87.00	3662	130.00	195
39.00	1080	67.00	234	88.00	3356	141.00	667
44.00	569	68.00	7443	91.00	390	143.00	777
45.00	712	69.00	7355	92.00	2346	148.00	196
47.00	1151	70.00	658	93.00	3301	157.00	92
48.00	446	72.00	382	94.00	9032	172.00	93
49.00	3324	73.00	3406	95.00	83400	173.00	559
50.00	13631	74.00	12990	96.00	5952	174.00	68944
51.00	4386	75.00	40232	97.00	97	175.00	5215
52.00	142	76.00	3128	104.00	465	176.00	68840
56.00	1148	77.00	772	106.00	88	177.00	4672
57.00	1903	78.00	442	116.00	148	191.00	92
60.00	805	79.00	1557	117.00	678	207.00	63
61.00	3362	80.00	494	118.00	263	281.00	102



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17T01.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 17-Mar-2025 15:00:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0141066-001
Misc. Info.: BFB
Operator ID: knk41612 Instrument ID: 19930
Method: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 19-Mar-2025 10:19:02 Calib Date: 17-Mar-2025 21:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1632

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 167 BFB	95	4.946	4.946	0.000	0	176610	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MSV_V_BFB_00018

Amount Added: 1.00

Units: uL

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17T01.D

Injection Date: 17-Mar-2025 15:00:30

Instrument ID: 19930

Lims ID: BFB

Client ID:

Operator ID: knk41612

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 uL

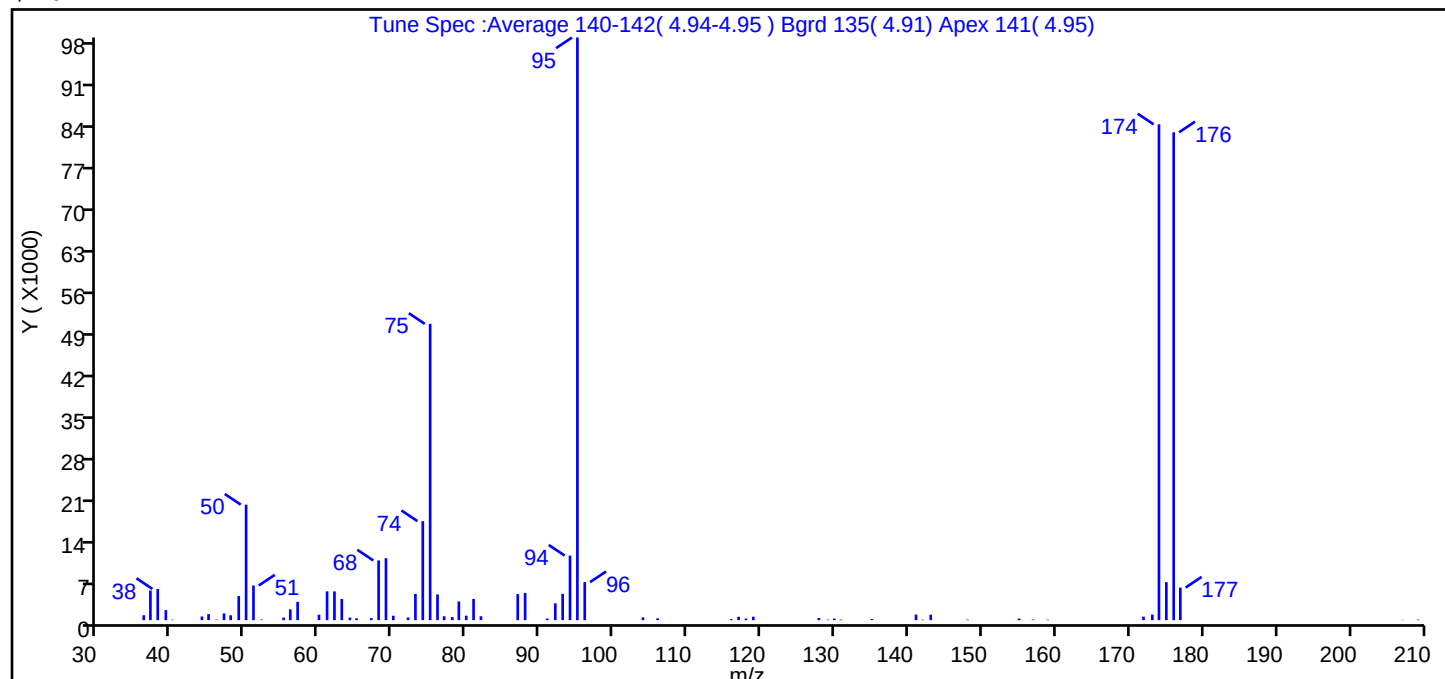
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

Tune Method: BFB Method 8260

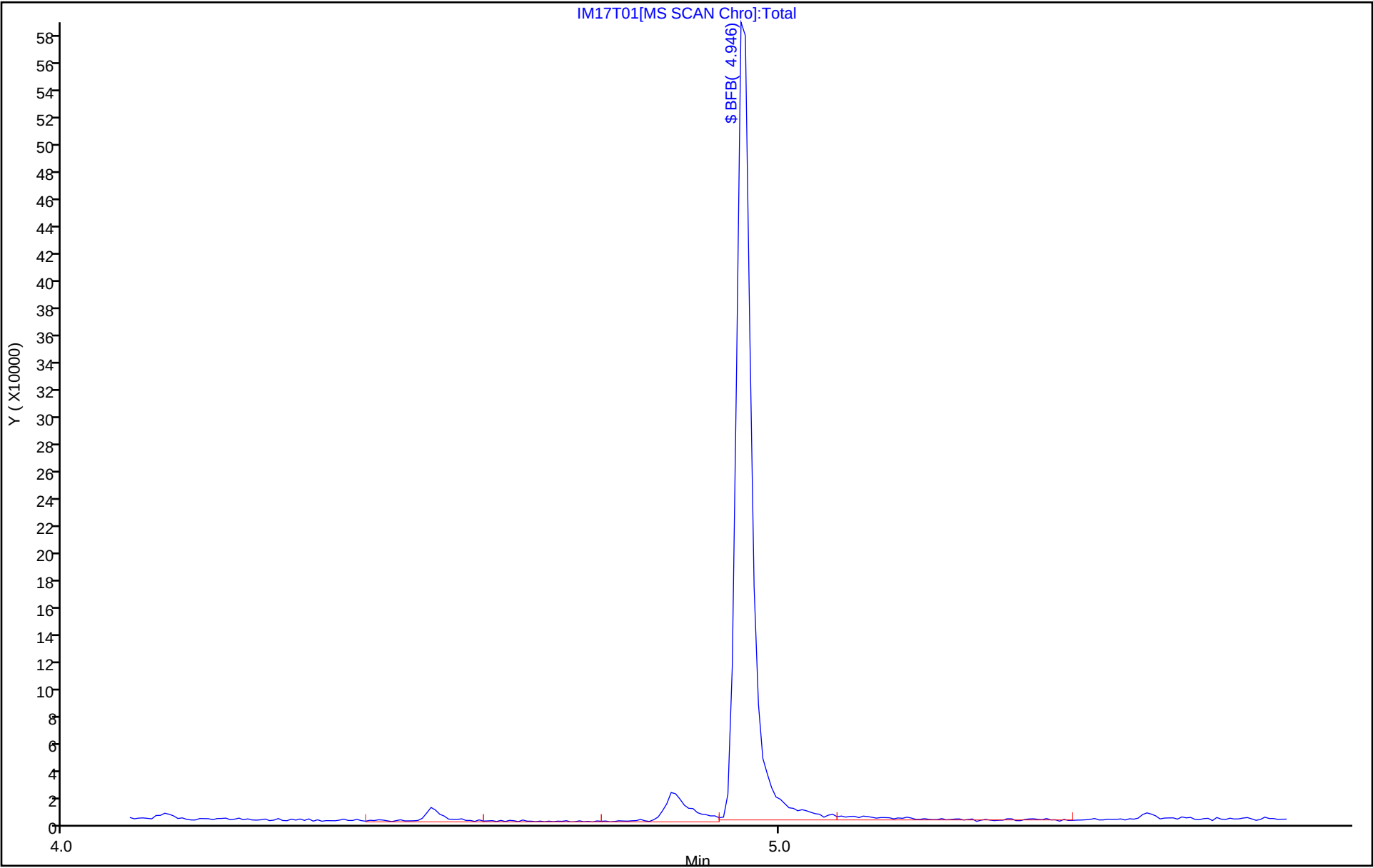
\$ 167 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.8
75	30 to 60% of m/z 95	50.8
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.9 (1.1)
174	50 to 120% of m/z 95	85.1
175	5 to 9% of m/z 174	6.5 (7.7)
176	Greater than 95% but less than 101% of m/z 174	83.7 (98.4)
177	5 to 9% of m/z 176	5.6 (6.7)

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17T01.D\8260 25ml HP31.rslt\spectra.d
Injection Date: 17-Mar-2025 15:00:30
Spectrum: Tune Spec :Average 140-142(4.94-4.95) Bgrd 135(4.91) Apex 141(4.95)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 72

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	827	61.00	4848	81.00	3575	130.00	263
37.00	4985	62.00	4843	82.00	653	131.00	99
38.00	5256	63.00	3562	87.00	4387	135.00	181
39.00	1692	64.00	428	88.00	4575	141.00	941
40.00	81	65.00	305	91.00	269	142.00	84
44.00	609	67.00	342	92.00	2830	143.00	921
45.00	1015	68.00	10051	93.00	4435	148.00	91
46.00	96	69.00	10431	94.00	10872	155.00	271
47.00	1127	70.00	746	95.00	98112	157.00	104
48.00	814	72.00	445	96.00	6402	159.00	83
49.00	4059	73.00	4418	104.00	472	172.00	581
50.00	19448	74.00	16672	106.00	301	173.00	931
51.00	5834	75.00	49888	116.00	179	174.00	83488
52.00	104	76.00	4335	117.00	569	175.00	6398
55.00	419	77.00	655	118.00	266	176.00	82144
56.00	1813	78.00	513	119.00	579	177.00	5489
57.00	3077	79.00	3155	128.00	356	207.00	40
60.00	908	80.00	752	129.00	83	209.00	91



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\IU04T05.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 04-Jun-2025 12:51:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0149239-001
Misc. Info.: BFB
Operator ID: ecr105096 Instrument ID: 19930
Method: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 04-Jun-2025 16:21:26 Calib Date: 17-Mar-2025 21:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1623

First Level Reviewer: N7YK

Date: 04-Jun-2025 14:22:57

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	4.971	4.971	0.000	93	699691	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MSV_V_BFB_00019

Amount Added: 1.00

Units: uL

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\IU04T05.D

Injection Date: 04-Jun-2025 12:51:30

Instrument ID: 19930

Lims ID: BFB

Client ID:

Operator ID: ecr105096

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 uL

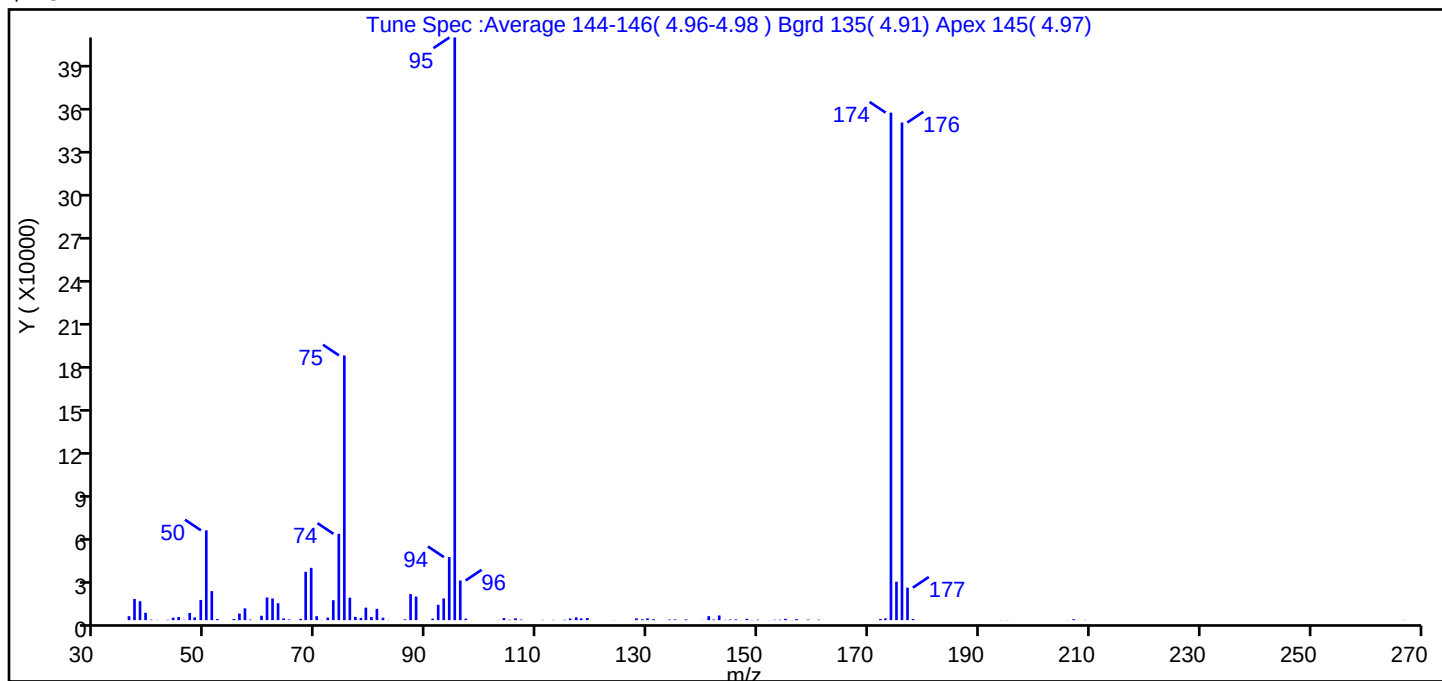
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C_D

Tune Method: BFB Method 8260

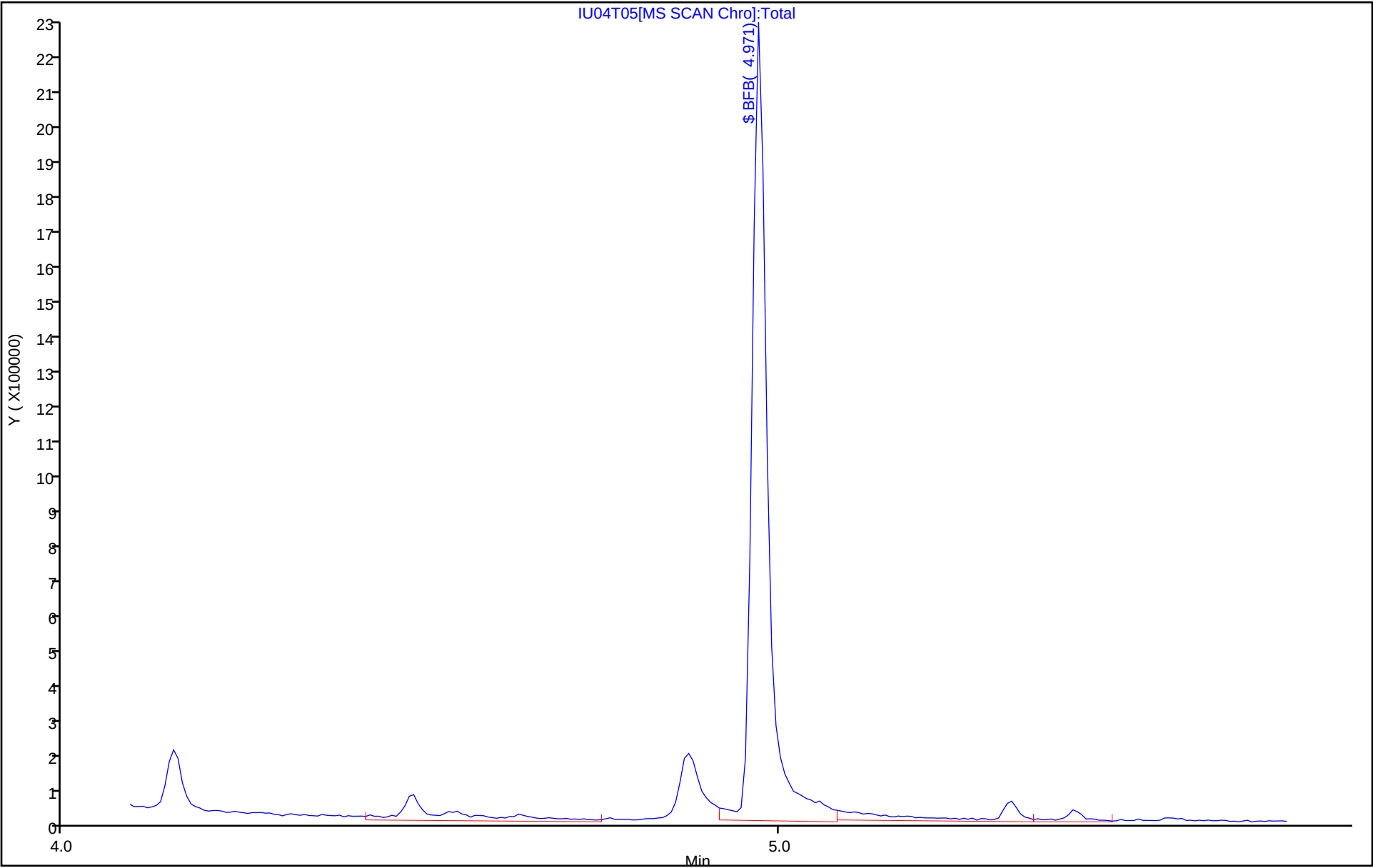
\$ 167 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	15.4
75	30 to 60% of m/z 95	45.4
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.3 (0.3)
174	50 to 120% of m/z 95	87.1
175	5 to 9% of m/z 174	6.6 (7.6)
176	Greater than 95% but less than 101% of m/z 174	85.4 (98.1)
177	5 to 9% of m/z 176	5.6 (6.5)

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\U04T05.D\8260 25ml HP31.rslt\spectra.d
Injection Date: 04-Jun-2025 12:51:30
Spectrum: Tune Spec :Average 144-146(4.96-4.98) Bgrd 135(4.91) Apex 145(4.97)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 106

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2714	67.00	928	103.00	132	147.00	69
37.00	14594	68.00	33184	104.00	1425	148.00	955
38.00	12963	69.00	35920	105.00	268	149.00	98
39.00	5069	70.00	2721	106.00	1290	150.00	321
40.00	354	71.00	100	107.00	413	152.00	87
41.00	118	72.00	1751	111.00	180	153.00	265
43.00	250	73.00	13716	113.00	202	154.00	324
44.00	1723	74.00	59256	115.00	275	155.00	914
45.00	2178	75.00	181760	116.00	1122	156.00	94
46.00	210	76.00	15439	117.00	1924	157.00	757
47.00	4947	77.00	2232	118.00	1204	159.00	400
48.00	1896	78.00	1532	119.00	1518	161.00	345
49.00	13883	79.00	8575	124.00	91	172.00	796
50.00	61656	80.00	2098	128.00	1267	173.00	1187
51.00	19920	81.00	7784	129.00	622	174.00	348480
52.00	768	82.00	1680	130.00	1274	175.00	26400
55.00	812	83.00	131	131.00	665	176.00	341696
56.00	4510	86.00	550	134.00	434	177.00	22296
57.00	8101	87.00	17880	135.00	486	178.00	836
58.00	391	88.00	16203	137.00	517	194.00	112
59.00	12	91.00	1015	140.00	95	195.00	93
60.00	3008	92.00	10540	141.00	2736	206.00	104
61.00	15592	93.00	14912	142.00	434	207.00	651
62.00	14885	94.00	43272	143.00	3203	209.00	143
63.00	11622	95.00	400064	144.00	191	267.00	141
64.00	1199	96.00	27224	145.00	452		
65.00	461	97.00	1003	146.00	533		



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

Client Sample ID:

Lab Sample ID: MB 410-652669/7

Matrix: Water

Lab File ID: copy_IU04X17.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 06/04/2025 15:27

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.: 652669

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

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	1.5
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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 410-652669/7

Matrix: Water Lab File ID: copy_IU04X17.D

Analysis Method: 8260D Date Collected: _____

Sample wt/vol: 25 (mL) Date Analyzed: 06/04/2025 15:27

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.: 652669 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 19930

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
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)	106		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		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\20250604-149239.b\copy_IU04X17.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 04-Jun-2025 15:27:30 ALS Bottle#: 7 Worklist Smp#: 7
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0149239-008
 Operator ID: ecr105096 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-Jun-2025 19:46:52 Calib Date: 17-Mar-2025 21:31:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1634

First Level Reviewer: JS6E

Date: 04-Jun-2025 19:46:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85		1.806					ND	
2 Chlorodifluoromethane	51		1.812					ND	
3 Dimethyl ether	45		1.873					ND	
4 Chloromethane	50		1.983					ND	
6 Butadiene	39		2.087					ND	7
5 Vinyl chloride	62		2.093					ND	
7 Bromomethane	94		2.392					ND	
8 Chloroethane	64		2.453					ND	7
9 Dichlorofluoromethane	67		2.684					ND	
10 Trichlorofluoromethane	101		2.745					ND	
11 Ethyl ether	59		2.940					ND	
13 1,2-Dichloro-1,1,2-trifluoroetha	67		3.032					ND	
14 Acrolein	56		3.093					ND	7
15 1,1-Dichloroethene	96		3.227					ND	
16 Acetone	43		3.245					ND	7
17 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.269					ND	
18 Iodomethane	142		3.410					ND	
19 Ethyl bromide	108		3.428					ND	
20 Carbon disulfide	76	3.526	3.507	0.019	94	8440		0.0385	
23 Methyl acetate	43		3.629					ND	7
24 3-Chloro-1-propene	41		3.654					ND	
21 Acetonitrile	41		3.666					ND	
25 Methylene Chloride	84		3.818					ND	7
* 26 t-Butyl alcohol-d10 (IS)	65	3.855	3.830	0.025	24	204211	50.0	50.0	
27 2-Methyl-2-propanol	59		3.940					ND	7
28 Acrylonitrile	53		4.135					ND	
29 Methyl tert-butyl ether	73		4.190					ND	
30 trans-1,2-Dichloroethene	96		4.202					ND	
31 Hexane	57		4.623					ND	
32 1,1-Dichloroethane	63		4.855					ND	
33 Vinyl acetate	43		4.915					ND	
35 Isopropyl ether	45		4.922					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 2-Chloro-1,3-butadiene	53		4.970					ND	
37 Tert-butyl ethyl ether	59		5.464					ND	
38 2-Butanone (MEK)	43		5.665					ND	
39 cis-1,2-Dichloroethene	96		5.702					ND	
40 2,2-Dichloropropane	77		5.720					ND	
43 Propionitrile	54		5.757					ND	
42 Ethyl acetate	43		5.799					ND	
45 Methacrylonitrile	67		5.970					ND	
46 Chlorobromomethane	128		6.043					ND	
47 Tetrahydrofuran	71		6.049					ND	
S 41 1,2-Dichloroethene, Total	100		6.155					ND	7
48 Chloroform	83		6.196					ND	
44 Methyl acrylate	55		6.220					ND	
\$ 49 Dibromofluoromethane (Surr)	113	6.421	6.415	0.006	94	583300	10.0	9.72	
50 1,1,1-Trichloroethane	97		6.427					ND	
51 Cyclohexane	56		6.525					ND	
54 Carbon tetrachloride	117		6.641					ND	
53 1,1-Dichloropropene	75		6.641					ND	
55 Isobutyl alcohol	41		6.805					ND	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.879	6.872	0.006	62	129434	10.0	10.6	
57 Benzene	78		6.903					ND	
58 1,2-Dichloroethane	62		6.982					ND	
52 1-Chlorobutane	56		7.019					ND	
59 Isopropyl acetate	43		7.031					ND	
60 Tert-amyl methyl ether	73		7.110					ND	
* 61 Fluorobenzene (IS)	96	7.324	7.317	0.007	99	2429192	10.0	10.0	
62 n-Heptane	43		7.342					ND	U
63 n-Butanol	56		7.708					ND	
64 Trichloroethene	95		7.805					ND	
65 Methylcyclohexane	83		8.116					ND	
66 1,2-Dichloropropane	63		8.140					ND	
67 Methyl methacrylate	69		8.238					ND	
68 1,4-Dioxane	88		8.244					ND	
69 Dibromomethane	93		8.250					ND	
70 n-Propyl acetate	43		8.342					ND	
71 Dichlorobromomethane	83		8.494					ND	
72 2-Nitropropane	41		8.762					ND	
73 2-Chloroethyl vinyl ether	63		8.878					ND	
75 1-Bromo-2-chloroethane	63		8.890					ND	
76 cis-1,3-Dichloropropene	75		9.061					ND	
74 Chloroacetonitrile	75		9.226					ND	
77 4-Methyl-2-pentanone (MIBK)	43		9.244					ND	7
\$ 78 Toluene-d8 (Surr)	98	9.390	9.384	0.006	93	2403467	10.0	9.89	
79 Toluene	92	9.476	9.469	0.007	99	14948		0.0698	
97 trans-1,3-Dichloropropene	75		9.744					ND	
99 Ethyl methacrylate	69		9.817					ND	
100 1,1,2-Trichloroethane	97		9.957					ND	
101 Tetrachloroethene	166		10.049					ND	
S 98 1,3-Dichloropropene, Total	100		10.060					ND	7
102 1,3-Dichloropropane	76		10.128					ND	
103 2-Hexanone	43		10.183					ND	
104 n-Butyl acetate	43		10.305					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
105 Chlorodibromomethane	129		10.347					ND	
106 Ethylene Dibromide	107		10.457					ND	
* 107 Chlorobenzene-d5 (IS)	117	10.908	10.902	0.006	84	1844330	10.0	10.0	
108 1-Chlorohexane	91		10.920					ND	7
109 Chlorobenzene	112		10.933					ND	
111 1,1,1,2-Tetrachloroethane	131		11.018					ND	
112 Ethylbenzene	91		11.024					ND	
113 m-Xylene & p-Xylene	106		11.140					ND	7
S 110 Xylenes, Total	106		11.245					ND	7
114 o-Xylene	106		11.475					ND	
115 Styrene	104		11.493					ND	
116 Bromoform	173		11.652					ND	
117 Isopropylbenzene	105		11.780					ND	
118 cis-1,4-Dichloro-2-butene	88		11.804					ND	
119 Cyclohexanone	55		11.829					ND	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	93	843181	10.0	9.48	
121 1,1,2,2-Tetrachloroethane	83		12.030					ND	
122 Bromobenzene	156		12.042					ND	
123 trans-1,4-Dichloro-2-butene	53		12.054					ND	
124 1,2,3-Trichloropropane	110		12.073					ND	
125 N-Propylbenzene	91		12.115					ND	
126 2-Chlorotoluene	126		12.188					ND	
127 1,3,5-Trimethylbenzene	105		12.249					ND	
128 4-Chlorotoluene	126		12.280					ND	
129 tert-Butylbenzene	134		12.493					ND	
130 Pentachloroethane	167		12.524					ND	
131 1,2,4-Trimethylbenzene	105		12.536					ND	
132 sec-Butylbenzene	105		12.658					ND	
133 1,3-Dichlorobenzene	146		12.755					ND	
134 4-Isopropyltoluene	119		12.768					ND	
* 135 1,4-Dichlorobenzene-d4	152	12.816	12.810	0.006	94	1013370	10.0	10.0	
136 1,4-Dichlorobenzene	146		12.829					ND	
137 1,2,3-Trimethylbenzene	120		12.841					ND	7
138 Benzyl chloride	126		12.908					ND	
139 n-Butylbenzene	92		13.060					ND	
140 1,2-Dichlorobenzene	146		13.091					ND	
141 Hexachloroethane	117		13.542					ND	
142 1,2-Dibromo-3-Chloropropane	155		13.633					ND	
143 1,3,5-Trichlorobenzene	180		13.761					ND	
144 1,2,4-Trichlorobenzene	180		14.182					ND	7
145 Hexachlorobutadiene	225	14.273	14.267	0.006	94	5936		0.1094	
146 Naphthalene	128		14.359					ND	7
147 1,2,3-Trichlorobenzene	180		14.499					ND	
148 Dodecane	57		0.000					ND	
156 p-Diethylbenzene	1		0.000					ND	
155 2-Methylnaphthalene	142		0.000					ND	
154 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
153 1-Bromo-3-Chloropropane	1		0.000					ND	
152 n-Decane	57		0.000					ND	
151 1,1-Dichloroacetone	1		0.000					ND	
226 C4-C10	1		0.000					ND	
227 sec-Butyl Alcohol TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
157 t-Amyl alcohol	1		0.000					ND	
228 1,1,1,2-Tetrafluoroethane TIC	1		0.000					ND	
230 Gasoline (Unleaded)	1		0.000					ND	
231 C6-C10	1		0.000					ND	
232 Dimethylformamide TIC	1		0.000					ND	
233 3-Pentanone TIC	1		0.000					ND	
234 Isooctane TIC	1		0.000					ND	
235 C7-C12	1		0.000					ND	
158 Methylal	1		0.000					ND	
236 C5-C12	1		0.000					ND	
229 C6-C12	1		0.000					ND	
159 tert-Butyl Formate	1		0.000					ND	
223 1,1,2-Trifluoroethane TIC	1		0.000					ND	
164 1-Chloropropane	1		0.000					ND	
220 1,2-Dichlorofluoroethane TIC	1		0.000					ND	
221 1,1,1-Trichloro-2,2,2-trifluoroe	1		0.000					ND	
163 Propene oxide	1		0.000					ND	
162 Chlorotrifluoroethene	1		0.000					ND	
222 Vinyl Fluoride TIC	1		0.000					ND	
225 1,1-Dichloro-1-fluoroethane TIC	1		0.000					ND	
218 Fluoromethane TIC	1		0.000					ND	
160 2-Bromo-1-chloropropane	1		0.000					ND	
219 1,1,1-Trifluoro-2,2-dichloroetha	1		0.000					ND	
213 Chlorofluoromethane TIC	1		0.000					ND	
215 1-Chloro-1,1-difluoroethane TIC	1		0.000					ND	
216 Ethyl ether TIC	1		0.000					ND	
217 Freon 115 TIC	1		0.000					ND	
165 Isopropyl alcohol	45		0.000					ND	
150 2-ethoxy-2-methyl butane	1		0.000					ND	
149 2-Chloro-1,1,1-Trifluoroethane	1		0.000					ND	
161 Pentane	43		0.000					ND	
237 C4-C12	1		0.000					ND	
214 Dichloro-1,1,2,2-tetrafluoroetha	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_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 04-Jun-2025 19:47:30

Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\copy_IU04X17.D

Injection Date: 04-Jun-2025 15:27:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

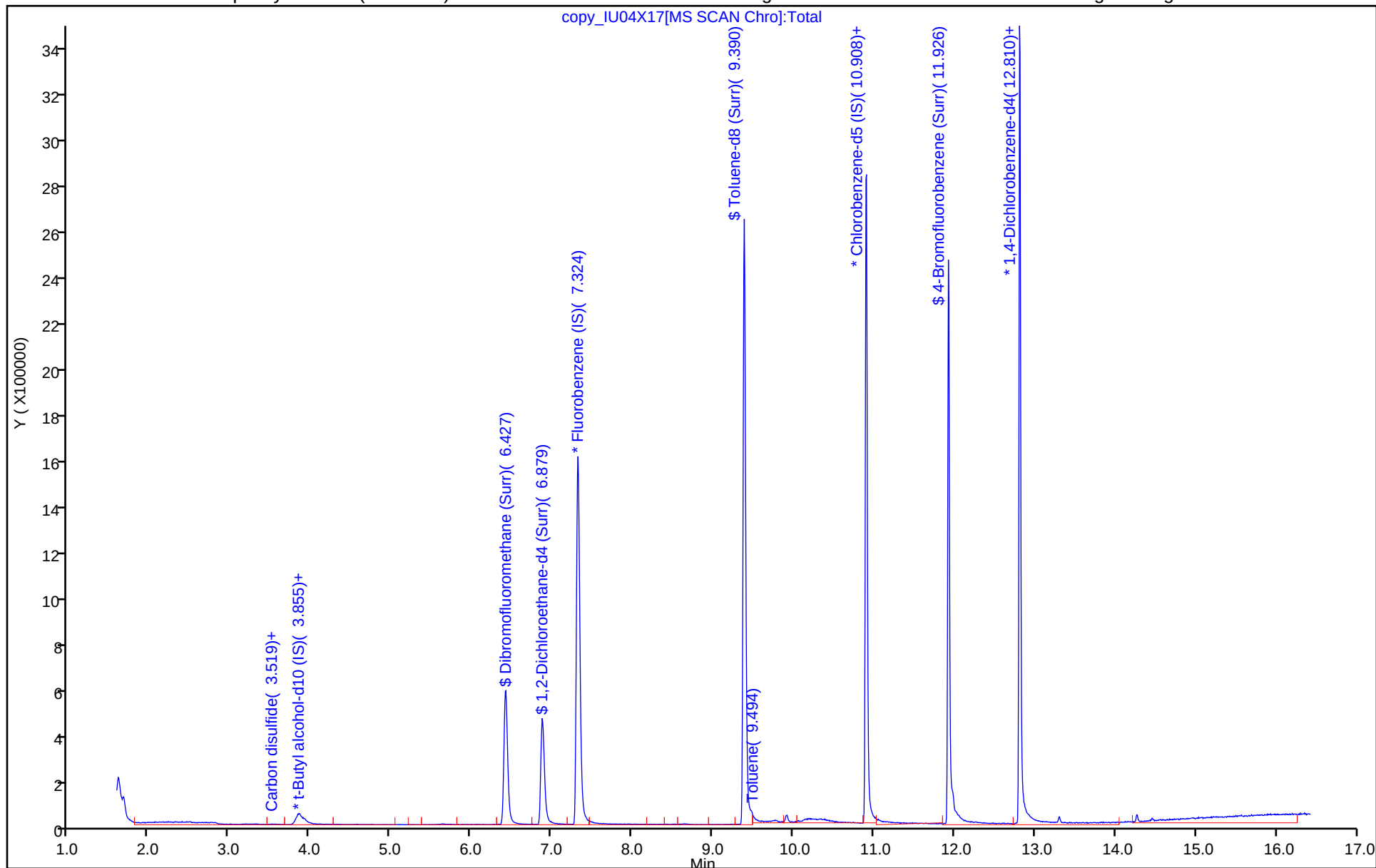
ALS Bottle#: 7

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
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\copy_IU04X17.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 04-Jun-2025 15:27:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149239-008
Operator ID: ecr105096 Instrument ID: 19930
Method: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 04-Jun-2025 19:46:52 Calib Date: 17-Mar-2025 21:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1634

First Level Reviewer: JS6E

Date: 04-Jun-2025 19:46:52

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	9.72	97.21
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.6	106.37
\$ 78 Toluene-d8 (Surr)	10.0	9.89	98.92
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.48	94.76

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

Client Sample ID:

Lab Sample ID: MB 410-653082/6

Matrix: Water

Lab File ID: HU04X35.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 06/04/2025 22:10

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 653082

Units: ug/L

Preparation Batch No.:

Instrument ID: 19094

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	1.5
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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 410-653082/6

Matrix: Water Lab File ID: HU04X35.D

Analysis Method: 8260D Date Collected: _____

Sample wt/vol: 25 (mL) Date Analyzed: 06/04/2025 22:10

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 25.0 (mL) Heated Purge: (Y/N) N pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 653082 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	ND		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		80-120
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X35.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 04-Jun-2025 22:10:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0149342-006
 Operator ID: gaw91131 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-Jun-2025 22:39:34 Calib Date: 31-Mar-2025 18:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1634

First Level Reviewer: JS6E

Date: 04-Jun-2025 22:39:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		1.800					ND	
3 Chlorodifluoromethane	51		1.849					ND	
2 Dichlorodifluoromethane	85		1.849					ND	
4 Dimethyl ether	45		1.898					ND	
5 Chloromethane	50		2.038					ND	
7 Butadiene	39		2.136					ND	7
6 Vinyl chloride	62		2.148					ND	
8 2-Chloro-1,1,1-Trifluoroethane	118		2.184					ND	
9 Bromomethane	94		2.465					ND	
10 Chloroethane	64		2.514					ND	
11 Dichlorofluoromethane	67		2.727					ND	
12 Trichlorofluoromethane	101		2.818					ND	
14 Ethyl ether	59		3.001					ND	
15 1,2-Dichloro-1,1,2-trifluoroetha	67		3.093					ND	
13 Ethanol	45		3.111					ND	
16 Acrolein	56		3.154					ND	
17 1,1-Dichloroethene	96		3.288					ND	
19 Acetone	43		3.288					ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.330					ND	
21 Iodomethane	142		3.471					ND	
22 Ethyl bromide	108		3.489					ND	
23 Carbon disulfide	76		3.568					ND	7
24 Methyl acetate	43		3.702					ND	
26 3-Chloro-1-propene	41		3.721					ND	
25 Acetonitrile	41		3.794					ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.903	3.879	0.024	97	55989	50.0	50.0	
27 Methylene Chloride	84		3.885					ND	
29 2-Methyl-2-propanol	59		3.977					ND	
31 Acrylonitrile	53		4.227					ND	
32 Methyl tert-butyl ether	73		4.257					ND	
33 trans-1,2-Dichloroethene	96		4.281					ND	
34 Hexane	57		4.690					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Vinyl acetate	43		4.915					ND	
36 1,1-Dichloroethane	63		4.928					ND	
37 Isopropyl ether	45		4.989					ND	
38 2-Chloro-1,3-butadiene	53		5.044					ND	
40 Tert-butyl ethyl ether	59		5.531					ND	
41 2-Butanone (MEK)	43		5.739					ND	
42 cis-1,2-Dichloroethene	96		5.775					ND	
43 2,2-Dichloropropane	77		5.781					ND	
44 Propionitrile	54		5.818					ND	
45 Ethyl acetate	43		5.824					ND	
47 Methacrylonitrile	67		6.031					ND	
48 Chlorobromomethane	128		6.104					ND	
49 Tetrahydrofuran	71		6.110					ND	
S 46 1,2-Dichloroethene, Total	100		6.155					ND	7
50 Chloroform	83		6.263					ND	
\$ 52 Dibromofluoromethane (Surr)	113	6.476	6.476	0.000	94	440790	10.0	10.2	
51 Methyl acrylate	55		6.482					ND	
53 1,1,1-Trichloroethane	97		6.494					ND	
54 Cyclohexane	56		6.598					ND	
56 Carbon tetrachloride	117		6.714					ND	
55 1,1-Dichloropropene	75		6.714					ND	
57 Isobutyl alcohol	41		6.866					ND	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.945	6.940	0.005	47	79835	10.0	10.5	
59 Benzene	78		6.970					ND	
60 1,2-Dichloroethane	62		7.043					ND	
61 Isopropyl acetate	43		7.067					ND	
63 Tert-amyl methyl ether	73		7.177					ND	
62 1-Chlorobutane	56	7.391	7.250	0.140	33	10483		NC	
* 64 Fluorobenzene (IS)	96	7.384	7.385	-0.001	99	1981573	10.0	10.0	
65 n-Heptane	43		7.409					ND	U
67 n-Butanol	56		7.781					ND	
66 t-Amyl alcohol	73		7.842					ND	
68 Trichloroethene	95		7.878					ND	
69 Methylcyclohexane	83		8.195					ND	
70 1,2-Dichloropropane	63		8.208					ND	
71 2-ethoxy-2-methyl butane	87		8.232					ND	
72 Methyl methacrylate	69		8.311					ND	
73 1,4-Dioxane	88		8.317					ND	
74 Dibromomethane	93		8.323					ND	
75 n-Propyl acetate	61		8.403					ND	
76 Dichlorobromomethane	83		8.561					ND	
77 2-Nitropropane	41		8.835					ND	
78 2-Chloroethyl vinyl ether	63		8.951					ND	
79 1-Bromo-2-chloroethane	63		8.964					ND	
80 cis-1,3-Dichloropropene	75		9.134					ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.311					ND	
81 Chloroacetonitrile	75		9.427					ND	
\$ 83 Toluene-d8 (Surr)	98	9.457	9.457	0.000	94	1990250	10.0	10.4	
84 Toluene	92		9.543					ND	
85 trans-1,3-Dichloropropene	75		9.817					ND	
104 Ethyl methacrylate	69		9.890					ND	
106 1,1,2-Trichloroethane	97		10.024					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 105 1,3-Dichloropropene, Total	100		10.060					ND	7
107 Tetrachloroethene	166		10.116					ND	
108 1,3-Dichloropropane	76		10.195					ND	
109 2-Hexanone	43		10.250					ND	
110 n-Butyl acetate	43		10.390					ND	
111 Chlorodibromomethane	129		10.414					ND	
112 Ethylene Dibromide	107		10.530					ND	
* 113 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	86	1412342	10.0	10.0	
114 1-Chlorohexane	91		10.988					ND	7
115 Chlorobenzene	112		11.000					ND	7
116 1,1,1,2-Tetrachloroethane	131		11.085					ND	
117 Ethylbenzene	91		11.091					ND	7
119 m-Xylene & p-Xylene	106		11.207					ND	
S 118 Xylenes, Total	106		11.245					ND	7
120 o-Xylene	106		11.542					ND	
121 Styrene	104		11.561					ND	
122 Bromoform	173		11.719					ND	
123 Isopropylbenzene	105		11.853					ND	
124 cis-1,4-Dichloro-2-butene	88		11.902					ND	
125 Cyclohexanone	55		11.932					ND	
\$ 126 4-Bromofluorobenzene (Surr)	95	11.999	11.993	0.006	90	682201	10.0	9.75	
127 1,1,2,2-Tetrachloroethane	83		12.097					ND	
128 Bromobenzene	156		12.109					ND	
129 trans-1,4-Dichloro-2-butene	53		12.121					ND	
130 1,2,3-Trichloropropane	110		12.146					ND	
131 N-Propylbenzene	91		12.182					ND	
132 2-Chlorotoluene	126		12.256					ND	
133 1,3,5-Trimethylbenzene	105		12.323					ND	
134 4-Chlorotoluene	126		12.353					ND	
135 tert-Butylbenzene	134		12.566					ND	
136 Pentachloroethane	167		12.597					ND	
137 1,2,4-Trimethylbenzene	105		12.609					ND	7
138 sec-Butylbenzene	105		12.731					ND	7
139 1,3-Dichlorobenzene	146		12.829					ND	7
140 4-Isopropyltoluene	119		12.841					ND	7
* 141 1,4-Dichlorobenzene-d4	152	12.889	12.883	0.006	95	731828	10.0	10.0	
142 1,4-Dichlorobenzene	146		12.902					ND	7
143 1,2,3-Trimethylbenzene	120		12.914					ND	7
144 Benzyl chloride	126		12.981					ND	
145 p-Diethylbenzene	119		13.115					ND	U
146 n-Butylbenzene	92		13.133					ND	
147 1,2-Dichlorobenzene	146		13.164					ND	
148 Hexachloroethane	201		13.682					ND	
149 1,2-Dibromo-3-Chloropropane	155		13.713					ND	
150 1,3,5-Trichlorobenzene	180		13.835					ND	7
151 1,2,4-Trichlorobenzene	180		14.255					ND	7
152 Hexachlorobutadiene	225	14.346	14.341	0.006	88	2583		0.0853	
153 Naphthalene	128	14.499	14.438	0.061	96	24717		0.2443	M
154 1,2,3-Trichlorobenzene	180		14.578					ND	7
155 tert-Butyl Formate	1		0.000					ND	
156 Dodecane	57		0.000					ND	
157 Pentane	43		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 1,1-Dichloroacetone	1		0.000					ND	
159 n-Decane	57		0.000					ND	
160 1-Bromo-3-Chloropropane	1		0.000					ND	
161 1-Chloropropane	1		0.000					ND	
162 Propene oxide	1		0.000					ND	
163 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
164 Methylal	1		0.000					ND	
165 2-Bromo-1-chloropropane	1		0.000					ND	
209 1,1-Dichloro-1-fluoroethane TIC1			0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

MSV_LLcentISS_00017

Amount Added: 5.00

Units: uL

Run Reagent



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X35.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 04-Jun-2025 22:10:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149342-006
Operator ID: gaw91131 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 04-Jun-2025 22:39:34 Calib Date: 31-Mar-2025 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1634

First Level Reviewer: JS6E

Date: 04-Jun-2025 22:39:25

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.2	102.42
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.5	104.77
\$ 83 Toluene-d8 (Surr)	10.0	10.4	104.16
\$ 126 4-Bromofluorobenzene (Surr)	10.0	9.75	97.54

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-652669/5

Matrix: Water

Lab File ID: IU04X14.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 06/04/2025 14:24

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 652669

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

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	4.52		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	4.21		0.50	0.10
79-00-5	1,1,2-Trichloroethane	4.65		0.50	0.080
75-34-3	1,1-Dichloroethane	4.67		0.50	0.10
75-35-4	1,1-Dichloroethene	5.02		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	4.48		0.50	0.080
107-06-2	1,2-Dichloroethane	4.00		0.50	0.070
78-87-5	1,2-Dichloropropane	4.52		0.50	0.10
78-93-3	2-Butanone (MEK)	51.7		5.0	1.0
591-78-6	2-Hexanone	51.2		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	50.6		5.0	1.0
67-64-1	Acetone	46.4		5.0	1.5
71-43-2	Benzene	4.65		0.50	0.10
74-97-5	Bromochloromethane	4.61		0.50	0.080
75-27-4	Bromodichloromethane	4.32		0.50	0.080
75-25-2	Bromoform	4.60		1.0	0.30
74-83-9	Bromomethane	3.80		0.50	0.10
75-15-0	Carbon disulfide	4.25		1.0	0.10
56-23-5	Carbon tetrachloride	4.53		0.50	0.10
108-90-7	Chlorobenzene	4.76		0.50	0.070
75-00-3	Chloroethane	3.92		0.50	0.10
67-66-3	Chloroform	4.43		0.50	0.090
74-87-3	Chloromethane	3.24		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.08		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.52		0.50	0.10
124-48-1	Dibromochloromethane	4.48		0.50	0.080
100-41-4	Ethylbenzene	4.80		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.52		0.50	0.080
75-09-2	Methylene Chloride	4.71		0.50	0.20
100-42-5	Styrene	5.34		0.50	0.070
127-18-4	Tetrachloroethene	4.60		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 410-652669/5

Matrix: Water Lab File ID: IU04X14.D

Analysis Method: 8260D Date Collected: _____

Sample wt/vol: 25 (mL) Date Analyzed: 06/04/2025 14:24

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 25.0 (mL) Heated Purge: (Y/N) N pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 652669 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 19930

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	4.89		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	4.94		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	4.68		0.50	0.080
79-01-6	Trichloroethene	4.57		0.50	0.080
75-01-4	Vinyl chloride	4.10		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)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		80-120
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\U04X14.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 04-Jun-2025 14:24:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0149239-005
 Operator ID: ecr105096 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-Jun-2025 15:30:26 Calib Date: 17-Mar-2025 21:31:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1623

First Level Reviewer: N7YK

Date: 04-Jun-2025 14:51:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.800	1.806	-0.006	99	378554	5.00	3.93	
4 Chloromethane	50	1.983	1.983	0.000	99	402140	5.00	3.24	
6 Butadiene	39	2.087	2.087	0.000	89	454936	5.00	3.11	
5 Vinyl chloride	62	2.093	2.093	0.000	98	427383	5.00	4.10	
7 Bromomethane	94	2.392	2.392	0.000	91	324867	5.00	3.80	
8 Chloroethane	64	2.453	2.453	0.000	100	260530	5.00	3.92	
9 Dichlorofluoromethane	67	2.690	2.684	0.006	97	696217	5.00	3.63	
10 Trichlorofluoromethane	101	2.751	2.745	0.006	99	561236	5.00	4.27	M
13 1,2-Dichloro-1,1,2-trifluoroethane	67	3.032	3.032	0.000	91	427414	5.00	4.60	
15 1,1-Dichloroethene	96	3.233	3.227	0.006	97	347367	5.00	5.02	
16 Acetone	43	3.257	3.245	0.012	100	589100	62.5	46.4	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.270	3.269	0.001	90	322274	5.00	4.10	
18 Iodomethane	142	3.416	3.410	0.006	98	603531	5.00	4.21	
20 Carbon disulfide	76	3.513	3.507	0.006	99	949575	5.00	4.25	
23 Methyl acetate	43	3.641	3.629	0.012	44	146489	5.00	4.74	
24 3-Chloro-1-propene	41	3.660	3.654	0.006	93	474547	5.00	4.21	
25 Methylene Chloride	84	3.830	3.818	0.012	89	382914	5.00	4.71	
* 26 t-Butyl alcohol-d10 (IS)	65	3.843	3.830	0.013	96	193251	50.0	50.0	
27 2-Methyl-2-propanol	59	3.965	3.940	0.025	99	212251	50.0	47.6	
28 Acrylonitrile	53	4.141	4.135	0.006	98	348455	25.0	23.0	
29 Methyl tert-butyl ether	73	4.190	4.190	0.000	94	876489	5.00	4.52	
30 trans-1,2-Dichloroethene	96	4.214	4.202	0.012	100	379378	5.00	4.94	
31 Hexane	57	4.629	4.623	0.006	89	453410	5.00	4.22	
32 1,1-Dichloroethane	63	4.861	4.855	0.007	96	689650	5.00	4.67	
35 Isopropyl ether	45	4.922	4.922	0.000	94	1025657	5.00	4.33	
36 2-Chloro-1,3-butadiene	53	4.977	4.970	0.007	89	500680	5.00	4.36	
37 Tert-butyl ethyl ether	59	5.470	5.464	0.006	97	1034638	5.00	4.67	
38 2-Butanone (MEK)	43	5.672	5.665	0.007	98	1105426	62.5	51.7	
39 cis-1,2-Dichloroethene	96	5.708	5.702	0.006	80	435796	5.00	5.08	
40 2,2-Dichloropropane	77	5.726	5.720	0.006	85	547698	5.00	4.51	
43 Propionitrile	54	5.787	5.757	0.030	98	187316	37.5	32.9	
45 Methacrylonitrile	67	5.982	5.970	0.012	89	749313	37.5	34.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
46 Chlorobromomethane	128	6.043	6.043	0.000	91	191961	5.00	4.61	
47 Tetrahydrofuran	71	6.062	6.049	0.013	78	147206	25.0	22.9	
48 Chloroform	83	6.202	6.196	0.006	92	665978	5.00	4.43	
\$ 49 Dibromofluoromethane (Surr)	113	6.421	6.415	0.006	94	587449	10.0	9.62	
50 1,1,1-Trichloroethane	97	6.427	6.427	0.000	98	582589	5.00	4.52	
51 Cyclohexane	56	6.537	6.525	0.012	88	594020	5.00	4.47	
54 Carbon tetrachloride	117	6.647	6.641	0.006	87	511224	5.00	4.53	
53 1,1-Dichloropropene	75	6.647	6.641	0.006	97	511894	5.00	4.48	
55 Isobutyl alcohol	41	6.824	6.805	0.019	95	158532	125.0	101.3	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.879	6.872	0.007	93	127226	10.0	10.3	
57 Benzene	78	6.909	6.903	0.006	96	1587387	5.00	4.65	
58 1,2-Dichloroethane	62	6.982	6.982	0.000	97	390393	5.00	4.00	
60 Tert-amyl methyl ether	73	7.110	7.110	0.000	99	992558	5.00	4.87	
* 61 Fluorobenzene (IS)	96	7.324	7.317	0.007	99	2472481	10.0	10.0	
62 n-Heptane	43	7.342	7.342	0.000	84	454649	5.00	4.31	
63 n-Butanol	56	7.732	7.708	0.024	86	284168	250.0	224.6	
64 Trichloroethene	95	7.811	7.805	0.006	97	413738	5.00	4.57	
65 Methylcyclohexane	83	8.116	8.116	0.000	92	658223	5.00	4.64	
66 1,2-Dichloropropane	63	8.141	8.140	0.001	94	407386	5.00	4.52	
67 Methyl methacrylate	69	8.250	8.238	0.012	89	181617	5.00	4.76	
68 1,4-Dioxane	88	8.256	8.244	0.012	32	40982	125.0	122.0	
69 Dibromomethane	93	8.256	8.250	0.006	94	190354	5.00	4.28	
71 Dichlorobromomethane	83	8.494	8.494	0.000	100	472317	5.00	4.32	
72 2-Nitropropane	41	8.768	8.762	0.006	99	44731	5.00	3.13	
75 1-Bromo-2-chloroethane	63	8.896	8.890	0.006	98	411217	5.00	4.42	
76 cis-1,3-Dichloropropene	75	9.061	9.061	0.000	98	549418	5.00	4.52	
77 4-Methyl-2-pentanone (MIBK)	43	9.244	9.244	0.000	95	2895876	62.5	50.6	
\$ 78 Toluene-d8 (Surr)	98	9.390	9.384	0.006	93	2478205	10.0	10.3	
79 Toluene	92	9.470	9.469	0.001	98	1035863	5.00	4.89	
97 trans-1,3-Dichloropropene	75	9.750	9.744	0.006	90	469789	5.00	4.68	
99 Ethyl methacrylate	69	9.823	9.817	0.006	87	397725	5.00	4.80	
100 1,1,2-Trichloroethane	97	9.957	9.957	0.000	89	294351	5.00	4.65	
101 Tetrachloroethene	166	10.049	10.049	0.000	97	475068	5.00	4.60	
102 1,3-Dichloropropane	76	10.128	10.128	0.000	88	486178	5.00	4.47	
103 2-Hexanone	43	10.183	10.183	0.000	94	2061990	62.5	51.2	
105 Chlorodibromomethane	129	10.347	10.347	0.000	90	349908	5.00	4.48	
106 Ethylene Dibromide	107	10.463	10.457	0.006	98	267559	5.00	4.48	
* 107 Chlorobenzene-d5 (IS)	117	10.902	10.902	0.000	85	1825963	10.0	10.0	
108 1-Chlorohexane	91	10.920	10.920	0.000	95	544963	5.00	4.70	
109 Chlorobenzene	112	10.933	10.933	0.000	96	1185226	5.00	4.76	
111 1,1,1,2-Tetrachloroethane	131	11.018	11.018	0.000	97	401130	5.00	4.67	
112 Ethylbenzene	91	11.024	11.024	0.000	98	1987639	5.00	4.80	
113 m-Xylene & p-Xylene	106	11.140	11.140	0.000	93	1620515	10.0	10.1	
114 o-Xylene	106	11.475	11.475	0.000	95	785801	5.00	5.09	
115 Styrene	104	11.494	11.493	0.001	94	1285978	5.00	5.34	
116 Bromoform	173	11.652	11.652	0.000	97	211342	5.00	4.60	
117 Isopropylbenzene	105	11.780	11.780	0.000	95	2060785	5.00	5.78	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	93	888826	10.0	10.1	
121 1,1,2,2-Tetrachloroethane	83	12.030	12.030	0.000	94	368469	5.00	4.21	
122 Bromobenzene	156	12.042	12.042	0.000	96	489008	5.00	4.68	
123 trans-1,4-Dichloro-2-butene	53	12.054	12.054	0.000	91	300922	25.0	15.3	
124 1,2,3-Trichloropropane	110	12.073	12.073	0.000	80	97995	5.00	4.15	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
125 N-Propylbenzene	91	12.115	12.115	0.000	99	2367740	5.00	4.82	
126 2-Chlorotoluene	126	12.189	12.188	0.001	97	499852	5.00	4.78	
127 1,3,5-Trimethylbenzene	105	12.249	12.249	0.000	94	1745635	5.00	5.00	
128 4-Chlorotoluene	126	12.280	12.280	0.000	97	507516	5.00	4.73	
129 tert-Butylbenzene	134	12.493	12.493	0.000	92	366038	5.00	4.48	
131 1,2,4-Trimethylbenzene	105	12.536	12.536	0.000	97	1770244	5.00	5.03	
132 sec-Butylbenzene	105	12.658	12.658	0.000	94	2262734	5.00	4.98	
133 1,3-Dichlorobenzene	146	12.755	12.755	0.000	99	965002	5.00	4.82	
134 4-Isopropyltoluene	119	12.768	12.768	0.000	97	1941984	5.00	5.07	
* 135 1,4-Dichlorobenzene-d4	152	12.810	12.810	0.000	94	1069195	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.829	12.829	0.000	95	1014306	5.00	4.71	
137 1,2,3-Trimethylbenzene	120	12.841	12.841	0.000	98	792867	5.00	4.75	
138 Benzyl chloride	126	12.908	12.908	0.000	98	150751	5.00	4.88	
139 n-Butylbenzene	92	13.060	13.060	0.000	97	944042	5.00	4.84	
140 1,2-Dichlorobenzene	146	13.091	13.091	0.000	99	930006	5.00	4.81	
142 1,2-Dibromo-3-Chloropropane	155	13.633	13.633	0.000	90	53041	5.00	4.51	
143 1,3,5-Trichlorobenzene	180	13.761	13.761	0.000	98	734465	5.00	5.04	
144 1,2,4-Trichlorobenzene	180	14.182	14.182	0.000	94	627410	5.00	5.27	
145 Hexachlorobutadiene	225	14.267	14.267	0.000	96	298265	5.00	5.21	
146 Naphthalene	128	14.359	14.359	0.000	97	1230704	5.00	5.30	
147 1,2,3-Trichlorobenzene	180	14.499	14.499	0.000	96	562369	5.00	5.19	
156 p-Diethylbenzene	1		0.000				ND	ND	
155 2-Methylnaphthalene	142		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00222

Amount Added: 12.50

Units: uL

MSV_QC_Gas826_00263

Amount Added: 12.50

Units: uL

MSV_LLcentISS_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 04-Jun-2025 17:30:42

Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\IU04X14.D

Injection Date: 04-Jun-2025 14:24:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

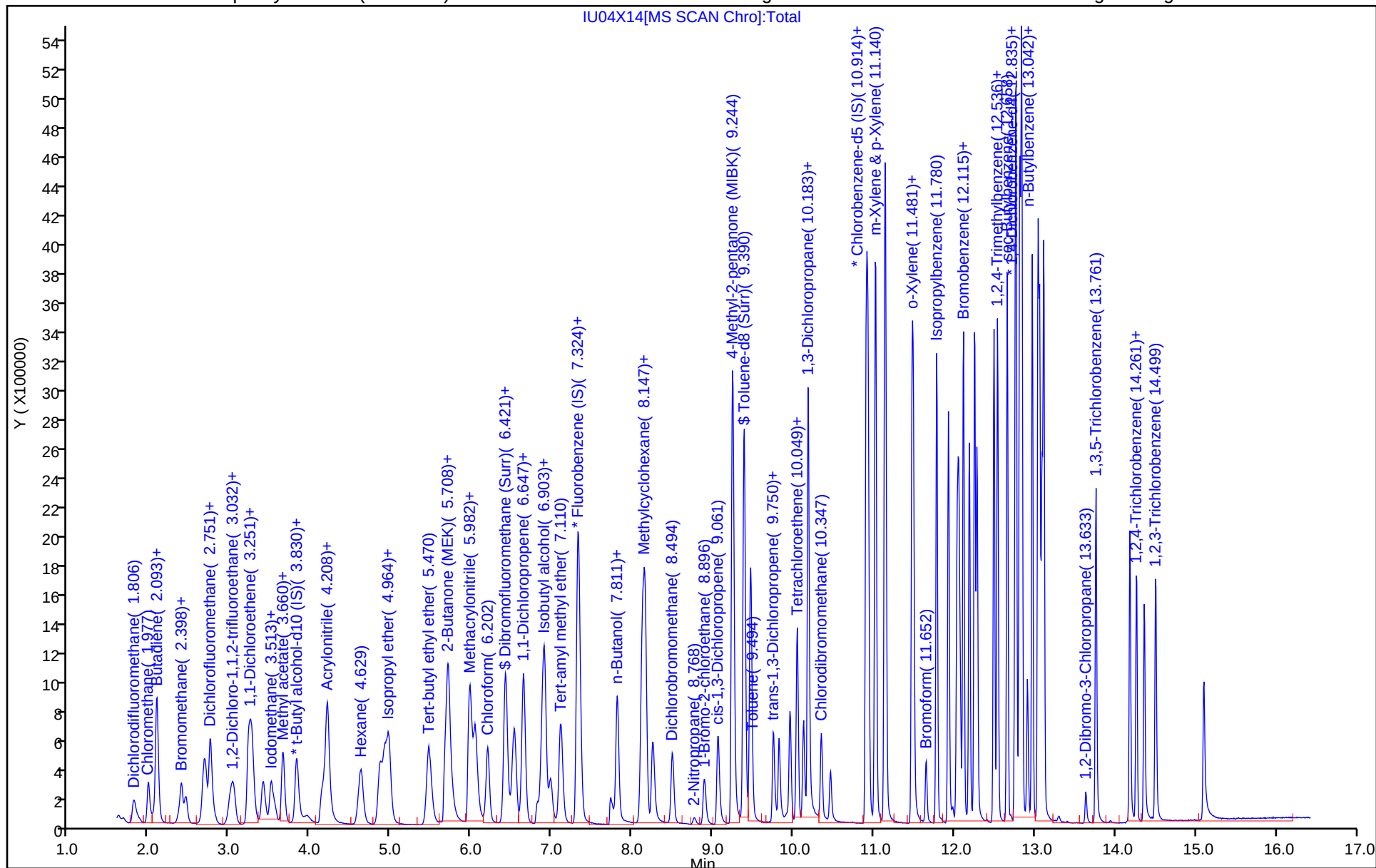
ALS Bottle#: 4

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\20250604-149239.b\IU04X14.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 04-Jun-2025 14:24:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149239-005
Operator ID: ecr105096 Instrument ID: 19930
Method: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 04-Jun-2025 15:30:26 Calib Date: 17-Mar-2025 21:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1623

First Level Reviewer: N7YK

Date: 04-Jun-2025 14:51:22

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	9.62	96.18
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.3	102.73
\$ 78 Toluene-d8 (Surr)	10.0	10.3	103.02
\$ 120 4-Bromofluorobenzene (Surr)	10.0	10.1	100.89

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-653082/4

Matrix: Water

Lab File ID: HU04X33.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 06/04/2025 21:28

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.: 653082

Units: ug/L

Preparation Batch No.:

Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.32		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.60		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.42		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.39		0.50	0.080
75-34-3	1,1-Dichloroethane	5.86		0.50	0.10
75-35-4	1,1-Dichloroethene	6.32		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.34		0.50	0.080
107-06-2	1,2-Dichloroethane	5.51		0.50	0.070
78-87-5	1,2-Dichloropropane	5.84		0.50	0.10
78-93-3	2-Butanone (MEK)	66.3		5.0	1.0
591-78-6	2-Hexanone	59.4		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	66.7		5.0	1.0
67-64-1	Acetone	54.5		5.0	1.5
71-43-2	Benzene	5.55		0.50	0.10
74-97-5	Bromochloromethane	5.62		0.50	0.080
75-27-4	Bromodichloromethane	5.67		0.50	0.080
75-25-2	Bromoform	5.15		1.0	0.30
74-83-9	Bromomethane	4.67		0.50	0.10
75-15-0	Carbon disulfide	5.32		1.0	0.10
56-23-5	Carbon tetrachloride	5.56		0.50	0.10
108-90-7	Chlorobenzene	5.28		0.50	0.070
75-00-3	Chloroethane	5.20		0.50	0.10
67-66-3	Chloroform	5.59		0.50	0.090
74-87-3	Chloromethane	3.97		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.47		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.20		0.50	0.10
124-48-1	Dibromochloromethane	5.37		0.50	0.080
100-41-4	Ethylbenzene	5.42		0.50	0.080
1634-04-4	Methyl tert-butyl ether	5.06		0.50	0.080
75-09-2	Methylene Chloride	5.81		0.50	0.20
100-42-5	Styrene	5.64		0.50	0.070
127-18-4	Tetrachloroethene	5.16		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-653082/4

Matrix: Water

Lab File ID: HU04X33.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 06/04/2025 21:28

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.: 653082

Units: ug/L

Preparation Batch No.:

Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	5.34		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	5.94		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.35		0.50	0.080
79-01-6	Trichloroethene	5.56		0.50	0.080
75-01-4	Vinyl chloride	4.30		0.50	0.10
1330-20-7	Xylenes, Total	16.2		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)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		80-120
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X33.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 04-Jun-2025 21:28:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0149342-004
 Operator ID: gaw91131 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-Jun-2025 22:39:34 Calib Date: 31-Mar-2025 18:38:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1634

First Level Reviewer: JS6E

Date: 04-Jun-2025 21:55:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.849	1.849	0.000	99	298491	5.00	4.41	
5 Chloromethane	50	2.038	2.038	0.000	99	380095	5.00	3.97	
7 Butadiene	39	2.136	2.136	0.000	92	430251	5.00	4.97	
6 Vinyl chloride	62	2.142	2.148	-0.006	97	358782	5.00	4.30	
9 Bromomethane	94	2.459	2.465	-0.006	91	265223	5.00	4.67	
10 Chloroethane	64	2.514	2.514	0.000	100	243970	5.00	5.20	
11 Dichlorofluoromethane	67	2.721	2.727	-0.006	97	625398	5.00	4.67	
12 Trichlorofluoromethane	101	2.818	2.818	0.000	43	475623	5.00	4.82	
15 1,2-Dichloro-1,1,2-trifluoroethane	67	3.074	3.093	-0.019	95	379611	5.00	5.16	
17 1,1-Dichloroethene	96	3.294	3.288	0.006	97	298511	5.00	6.32	
19 Acetone	43	3.312	3.288	0.024	43	242615	62.5	54.5	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.330	3.330	0.000	93	288500	5.00	5.53	
21 Iodomethane	142	3.471	3.471	0.000	99	479244	5.00	5.28	
23 Carbon disulfide	76	3.574	3.568	0.006	99	805604	5.00	5.32	
24 Methyl acetate	43	3.715	3.702	0.012	27	66166	5.00	4.89	
26 3-Chloro-1-propene	41	3.721	3.721	0.000	93	510620	5.00	5.17	
* 28 t-Butyl alcohol-d10 (IS)	65	3.916	3.879	0.037	34	60596	50.0	50.0	
27 Methylene Chloride	84	3.891	3.885	0.006	94	288703	5.00	5.81	
29 2-Methyl-2-propanol	59	3.971	3.977	-0.006	92	50452	50.0	40.8	
31 Acrylonitrile	53	4.221	4.227	-0.007	98	98572	25.0	14.0	
32 Methyl tert-butyl ether	73	4.263	4.257	0.006	95	556088	5.00	5.06	
33 trans-1,2-Dichloroethene	96	4.281	4.281	0.000	97	314294	5.00	5.94	
34 Hexane	57	4.696	4.690	0.006	93	501102	5.00	6.27	
36 1,1-Dichloroethane	63	4.928	4.928	0.000	96	620155	5.00	5.86	
37 Isopropyl ether	45	4.989	4.989	0.000	95	997411	5.00	5.47	
38 2-Chloro-1,3-butadiene	53	5.050	5.044	0.006	91	496424	5.00	5.35	
40 Tert-butyl ethyl ether	59	5.531	5.531	0.000	99	808014	5.00	4.99	
41 2-Butanone (MEK)	43	5.738	5.739	-0.001	100	557209	62.5	66.3	
42 cis-1,2-Dichloroethene	96	5.775	5.775	0.000	83	345149	5.00	5.47	
43 2,2-Dichloropropane	77	5.787	5.781	0.006	86	479710	5.00	5.45	
44 Propionitrile	54	5.860	5.818	0.042	92	76690	37.5	38.4	M
47 Methacrylonitrile	67	6.037	6.031	0.006	92	412991	37.5	36.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
48 Chlorobromomethane	128	6.110	6.104	0.006	97	121878	5.00	5.62	
49 Tetrahydrofuran	71	6.123	6.110	0.013	69	73729	25.0	25.4	
50 Chloroform	83	6.263	6.263	0.000	93	550727	5.00	5.59	
\$ 52 Dibromofluoromethane (Surr)	113	6.482	6.476	0.006	94	459921	10.0	10.4	
53 1,1,1-Trichloroethane	97	6.494	6.494	0.000	99	499969	5.00	5.60	
54 Cyclohexane	56	6.604	6.598	0.006	91	614089	5.00	5.95	
56 Carbon tetrachloride	117	6.714	6.714	0.000	83	441058	5.00	5.56	
55 1,1-Dichloropropene	75	6.714	6.714	0.000	96	470442	5.00	5.52	
57 Isobutyl alcohol	41	6.879	6.866	0.013	93	62945	125.0	151.8	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.946	6.940	0.006	89	78753	10.0	10.0	
59 Benzene	78	6.970	6.970	0.000	97	1359459	5.00	5.55	
60 1,2-Dichloroethane	62	7.049	7.043	0.006	97	283064	5.00	5.51	
63 Tert-amyl methyl ether	73	7.177	7.177	0.000	99	673092	5.00	5.20	
* 64 Fluorobenzene (IS)	96	7.385	7.385	0.000	98	2037962	10.0	10.0	
65 n-Heptane	43	7.409	7.409	0.000	94	527024	5.00	6.95	
67 n-Butanol	56	7.823	7.781	0.042	86	86806	250.0	297.6	
68 Trichloroethene	95	7.878	7.878	0.000	99	347656	5.00	5.56	
69 Methylcyclohexane	83	8.189	8.195	-0.006	94	591677	5.00	5.83	
70 1,2-Dichloropropane	63	8.208	8.208	0.000	90	344492	5.00	5.84	
71 2-ethoxy-2-methyl butane	87	8.226	8.232	-0.006	90	465622	5.00	5.24	
72 Methyl methacrylate	69	8.323	8.311	0.012	82	101712	5.00	4.19	a
73 1,4-Dioxane	88	8.323	8.317	0.006	27	11481	125.0	194.5	a
74 Dibromomethane	93	8.329	8.323	0.006	97	124943	5.00	5.65	
76 Dichlorobromomethane	83	8.561	8.561	0.000	99	369683	5.00	5.67	
77 2-Nitropropane	41	8.842	8.835	0.007	98	25786	5.00	4.03	
79 1-Bromo-2-chloroethane	63	8.970	8.964	0.006	99	280663	5.00	5.52	
80 cis-1,3-Dichloropropene	75	9.140	9.134	0.006	96	434878	5.00	5.20	
82 4-Methyl-2-pentanone (MIBK)	43	9.317	9.311	0.006	97	1730301	62.5	66.7	
\$ 83 Toluene-d8 (Surr)	98	9.457	9.457	0.000	94	2074275	10.0	10.3	
84 Toluene	92	9.537	9.543	-0.006	98	845134	5.00	5.34	
85 trans-1,3-Dichloropropene	75	9.817	9.817	0.000	93	330770	5.00	5.35	
104 Ethyl methacrylate	69	9.890	9.890	0.000	90	238356	5.00	5.44	
106 1,1,2-Trichloroethane	97	10.030	10.024	0.006	90	183068	5.00	5.39	
107 Tetrachloroethene	166	10.116	10.116	0.000	98	378480	5.00	5.16	
108 1,3-Dichloropropane	76	10.195	10.195	0.000	91	330001	5.00	5.39	
109 2-Hexanone	43	10.250	10.250	0.000	97	1152367	62.5	59.4	
111 Chlorodibromomethane	129	10.414	10.414	0.000	90	225900	5.00	5.37	
112 Ethylene Dibromide	107	10.530	10.530	0.000	99	164522	5.00	5.34	
* 113 Chlorobenzene-d5 (IS)	117	10.975	10.975	0.000	87	1492628	10.0	10.0	
114 1-Chlorohexane	91	10.987	10.988	-0.001	97	481654	5.00	4.93	
115 Chlorobenzene	112	11.000	11.000	0.000	94	892329	5.00	5.28	
116 1,1,1,2-Tetrachloroethane	131	11.085	11.085	0.000	96	296154	5.00	5.32	
117 Ethylbenzene	91	11.091	11.091	0.000	98	1677130	5.00	5.42	
119 m-Xylene & p-Xylene	106	11.213	11.207	0.006	100	1266138	10.0	10.9	
120 o-Xylene	106	11.542	11.542	0.000	97	590465	5.00	5.33	
121 Styrene	104	11.561	11.561	0.000	95	958394	5.00	5.64	
122 Bromoform	173	11.719	11.719	0.000	98	119913	5.00	5.15	
123 Isopropylbenzene	105	11.853	11.853	0.000	96	1627262	5.00	6.08	
\$ 126 4-Bromofluorobenzene (Surr)	95	11.993	11.993	0.000	90	711775	10.0	9.63	
127 1,1,2,2-Tetrachloroethane	83	12.097	12.097	0.000	92	209011	5.00	5.42	
128 Bromobenzene	156	12.109	12.109	0.000	96	340446	5.00	5.36	
129 trans-1,4-Dichloro-2-butene	53	12.127	12.121	0.006	93	200331	25.0	19.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
130 1,2,3-Trichloropropane	110	12.146	12.146	0.000	81	52930	5.00	5.64	
131 N-Propylbenzene	91	12.182	12.182	0.000	99	1954918	5.00	5.75	
132 2-Chlorotoluene	126	12.256	12.256	0.000	96	358345	5.00	5.29	
133 1,3,5-Trimethylbenzene	105	12.323	12.323	0.000	93	1341341	5.00	5.63	
134 4-Chlorotoluene	126	12.353	12.353	0.000	98	365953	5.00	5.28	
135 tert-Butylbenzene	134	12.566	12.566	0.000	94	277535	5.00	5.18	
137 1,2,4-Trimethylbenzene	105	12.609	12.609	0.000	98	1335026	5.00	5.47	
138 sec-Butylbenzene	105	12.731	12.731	0.000	94	1754080	5.00	5.93	
139 1,3-Dichlorobenzene	146	12.829	12.829	0.000	98	688497	5.00	5.51	
140 4-Isopropyltoluene	119	12.841	12.841	0.000	97	1451296	5.00	5.79	
* 141 1,4-Dichlorobenzene-d4	152	12.883	12.883	0.000	94	783543	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.902	12.902	0.000	94	676154	5.00	5.08	
143 1,2,3-Trimethylbenzene	120	12.914	12.914	0.000	99	559358	5.00	5.04	
144 Benzyl chloride	126	12.981	12.981	0.000	99	81060	5.00	5.29	
145 p-Diethylbenzene	119	13.115	13.115	0.000	94	881734	5.00	6.12	
146 n-Butylbenzene	92	13.133	13.133	0.000	97	726133	5.00	6.42	
147 1,2-Dichlorobenzene	146	13.164	13.164	0.000	98	586039	5.00	5.42	
149 1,2-Dibromo-3-Chloropropane	155	13.713	13.713	0.000	84	23252	5.00	4.74	
150 1,3,5-Trichlorobenzene	180	13.834	13.835	0.000	97	502540	5.00	5.57	
151 1,2,4-Trichlorobenzene	180	14.261	14.255	0.006	93	409519	5.00	6.06	
152 Hexachlorobutadiene	225	14.340	14.341	0.000	96	208634	5.00	6.44	
153 Naphthalene	128	14.438	14.438	0.000	97	633976	5.00	5.85	
154 1,2,3-Trichlorobenzene	180	14.578	14.578	0.000	96	319556	5.00	5.43	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LCS_VOC#1_00222

Amount Added: 12.50

Units: uL

MSV_QC_Gas826_00263

Amount Added: 12.50

Units: uL

MSV_LLcentISS_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 04-Jun-2025 22:39:38

Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X33.D

Injection Date: 04-Jun-2025 21:28:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: LCS

Worklist Smp#: 4

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

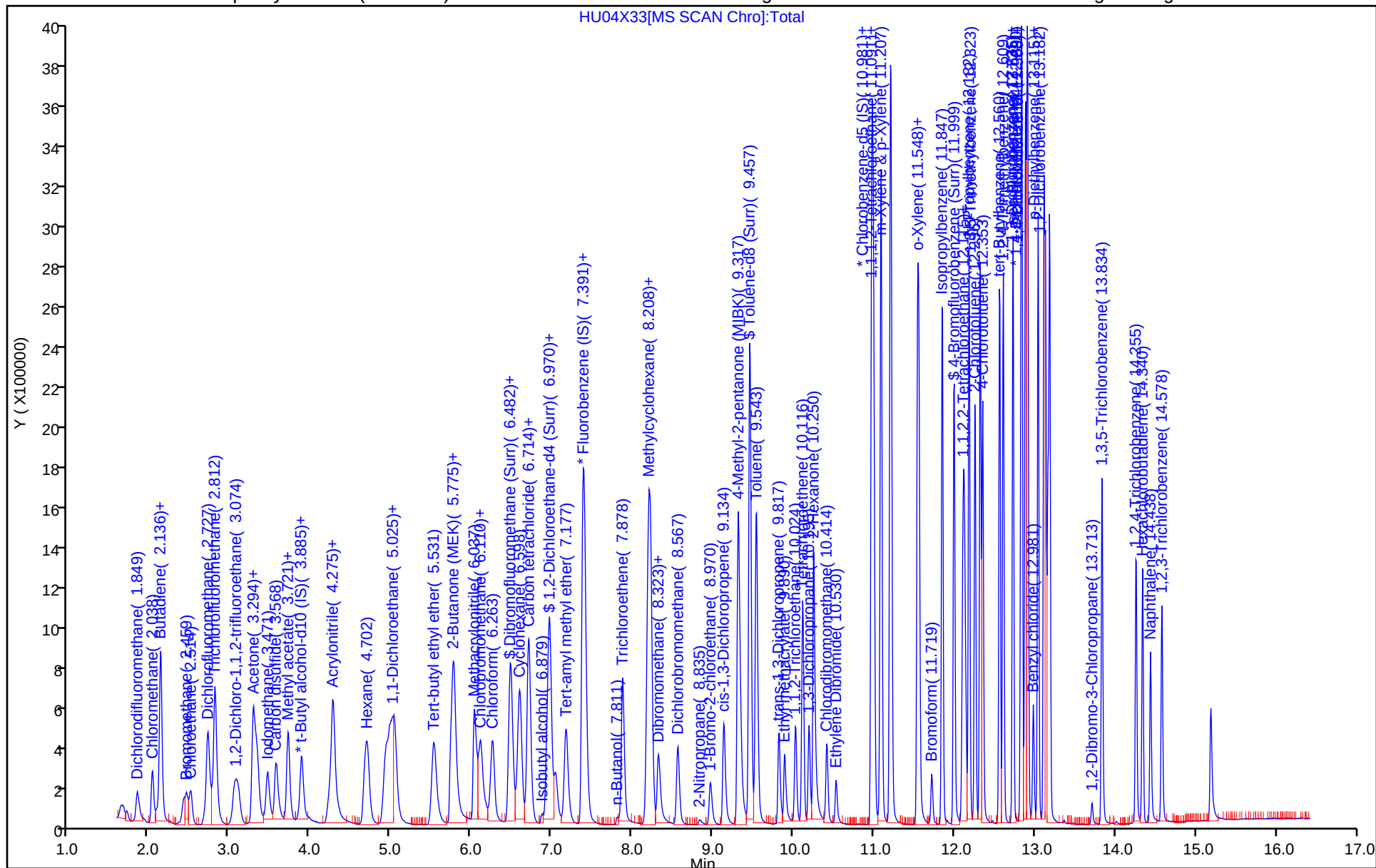
ALS Bottle#: 3

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\HU04X33.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 04-Jun-2025 21:28:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149342-004
Operator ID: gaw91131 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20250604-149342.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 04-Jun-2025 22:39:34 Calib Date: 31-Mar-2025 18:38:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20250331-142485.b\HM31X20.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1634

First Level Reviewer: JS6E

Date: 04-Jun-2025 21:55:27

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.4	103.91
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.0	100.49
\$ 83 Toluene-d8 (Surr)	10.0	10.3	102.71
\$ 126 4-Bromofluorobenzene (Surr)	10.0	9.63	96.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 MS MS

Lab Sample ID: 410-224440-6 MS

Matrix: Water

Lab File ID: IU04X35.D

Analysis Method: 8260D

Date Collected: 05/27/2025 11:45

Sample wt/vol: 25 (mL)

Date Analyzed: 06/04/2025 22:02

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.: 652669

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	4.45		0.50	0.070
71-55-6	1,1,1-Trichloroethane	4.90		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	3.75		0.50	0.10
79-00-5	1,1,2-Trichloroethane	4.27		0.50	0.080
75-34-3	1,1-Dichloroethane	4.60		0.50	0.10
75-35-4	1,1-Dichloroethene	5.27		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	4.10		0.50	0.080
107-06-2	1,2-Dichloroethane	3.84		0.50	0.070
78-87-5	1,2-Dichloropropane	4.18		0.50	0.10
78-93-3	2-Butanone (MEK)	49.7		5.0	1.0
591-78-6	2-Hexanone	49.9		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	49.2		5.0	1.0
67-64-1	Acetone	41.8		5.0	1.5
71-43-2	Benzene	4.48		0.50	0.10
74-97-5	Bromochloromethane	4.44		0.50	0.080
75-27-4	Bromodichloromethane	4.07		0.50	0.080
75-25-2	Bromoform	4.02		1.0	0.30
74-83-9	Bromomethane	3.93		0.50	0.10
75-15-0	Carbon disulfide	4.25		1.0	0.10
56-23-5	Carbon tetrachloride	4.69		0.50	0.10
108-90-7	Chlorobenzene	4.59		0.50	0.070
75-00-3	Chloroethane	4.06		0.50	0.10
67-66-3	Chloroform	4.50		0.50	0.090
74-87-3	Chloromethane	3.46		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.79		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.11		0.50	0.10
124-48-1	Dibromochloromethane	4.14		0.50	0.080
100-41-4	Ethylbenzene	4.63		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.11		0.50	0.080
75-09-2	Methylene Chloride	4.53		0.50	0.20
100-42-5	Styrene	5.00		0.50	0.070
127-18-4	Tetrachloroethene	10.3		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-224440-1
SDG No.:	
Client Sample ID: HD-COD-SW-15-0/1-0 MS MS	Lab Sample ID: 410-224440-6 MS
Matrix: Water	Lab File ID: IU04X35.D
Analysis Method: 8260D	Date Collected: 05/27/2025 11:45
Sample wt/vol: 25 (mL)	Date Analyzed: 06/04/2025 22:02
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.: 652669	Units: ug/L
Preparation Batch No.:	Instrument ID: 19930

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	4.69		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	4.83		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	4.19		0.50	0.080
79-01-6	Trichloroethene	5.78		0.50	0.080
75-01-4	Vinyl chloride	4.28		0.50	0.10
1330-20-7	Xylenes, Total	14.3		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)	99		80-120
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\U04X35.D
 Lims ID: 410-224440-A-6 MS
 Client ID: HD-COD-SW-15-0/1-0 MS
 Sample Type: MS
 Inject. Date: 04-Jun-2025 22:02:30 ALS Bottle#: 25 Worklist Smp#: 25
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0149239-025
 Operator ID: ecr105096 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-Jun-2025 13:47:11 Calib Date: 17-Mar-2025 21:31:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 13:19:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.812	1.806	0.006	99	391399	5.00	4.38	
4 Chloromethane	50	1.989	1.983	0.006	99	398113	5.00	3.46	
6 Butadiene	39	2.093	2.087	0.006	89	509570	5.00	3.76	
5 Vinyl chloride	62	2.099	2.093	0.006	98	414798	5.00	4.28	
7 Bromomethane	94	2.398	2.392	0.006	90	311439	5.00	3.93	
8 Chloroethane	64	2.459	2.453	0.006	100	250811	5.00	4.06	
9 Dichlorofluoromethane	67	2.690	2.684	0.006	97	682888	5.00	3.84	
10 Trichlorofluoromethane	101	2.751	2.745	0.006	97	593136	5.00	4.86	M
13 1,2-Dichloro-1,1,2-trifluoroethane	67	3.038	3.032	0.006	91	434795	5.00	5.04	
15 1,1-Dichloroethene	96	3.233	3.227	0.006	97	338752	5.00	5.27	
16 Acetone	43	3.263	3.245	0.018	99	454695	62.6	41.8	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.276	3.269	0.007	91	333759	5.00	4.58	
18 Iodomethane	142	3.410	3.410	0.000	98	543779	5.00	4.09	
20 Carbon disulfide	76	3.519	3.507	0.012	99	881061	5.00	4.25	
23 Methyl acetate	43	3.654	3.629	0.025	97	72616	5.00	2.74	M
24 3-Chloro-1-propene	41	3.666	3.654	0.012	93	415592	5.00	3.97	
25 Methylene Chloride	84	3.830	3.818	0.012	89	342057	5.00	4.53	
* 26 t-Butyl alcohol-d10 (IS)	65	3.843	3.830	0.013	95	165681	50.0	50.0	
27 2-Methyl-2-propanol	59	3.952	3.940	0.012	99	159993	50.0	41.9	
28 Acrylonitrile	53	4.147	4.135	0.012	99	254068	25.0	19.5	
29 Methyl tert-butyl ether	73	4.202	4.190	0.012	94	739799	5.00	4.11	
30 trans-1,2-Dichloroethene	96	4.214	4.202	0.012	99	344582	5.00	4.83	
31 Hexane	57	4.629	4.623	0.006	90	440888	5.00	4.42	
32 1,1-Dichloroethane	63	4.867	4.855	0.013	96	630657	5.00	4.60	
35 Isopropyl ether	45	4.928	4.922	0.006	93	849108	5.00	3.86	
36 2-Chloro-1,3-butadiene	53	4.983	4.970	0.013	89	460489	5.00	4.32	
37 Tert-butyl ethyl ether	59	5.476	5.464	0.012	97	829772	5.00	4.04	
38 2-Butanone (MEK)	43	5.678	5.665	0.013	99	912399	62.6	49.7	
39 cis-1,2-Dichloroethene	96	5.714	5.702	0.012	79	460914	5.00	5.79	
40 2,2-Dichloropropane	77	5.726	5.720	0.006	64	510753	5.00	4.53	
43 Propionitrile	54	5.787	5.757	0.030	98	133797	37.5	27.4	
45 Methacrylonitrile	67	5.982	5.970	0.012	89	609738	37.5	32.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
46 Chlorobromomethane	128	6.049	6.043	0.006	90	171721	5.00	4.44	
47 Tetrahydrofuran	71	6.062	6.049	0.013	73	124237	25.0	22.6	
48 Chloroform	83	6.208	6.196	0.012	92	628556	5.00	4.50	
\$ 49 Dibromofluoromethane (Surr)	113	6.421	6.415	0.006	94	561981	10.0	9.91	
50 1,1,1-Trichloroethane	97	6.427	6.427	0.000	98	585665	5.00	4.90	
51 Cyclohexane	56	6.537	6.525	0.012	88	571708	5.00	4.64	
54 Carbon tetrachloride	117	6.647	6.641	0.006	95	491569	5.00	4.69	
53 1,1-Dichloropropene	75	6.647	6.641	0.006	98	467960	5.00	4.41	
55 Isobutyl alcohol	41	6.824	6.805	0.019	94	120331	125.1	89.7	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.885	6.872	0.013	94	117596	10.0	10.2	
57 Benzene	78	6.909	6.903	0.006	96	1419338	5.00	4.48	
58 1,2-Dichloroethane	62	6.988	6.982	0.006	97	347926	5.00	3.84	
60 Tert-amyl methyl ether	73	7.116	7.110	0.006	99	816894	5.00	4.32	
* 61 Fluorobenzene (IS)	96	7.324	7.317	0.007	98	2295941	10.0	10.0	
62 n-Heptane	43	7.348	7.342	0.006	91	442719	5.00	4.51	
63 n-Butanol	56	7.738	7.708	0.030	88	199355	250.2	189.2	
64 Trichloroethene	95	7.811	7.805	0.006	97	485552	5.00	5.78	
65 Methylcyclohexane	83	8.122	8.116	0.006	92	644148	5.00	4.89	
66 1,2-Dichloropropane	63	8.140	8.140	0.000	97	349873	5.00	4.18	
67 Methyl methacrylate	69	8.250	8.238	0.012	88	139803	5.00	4.28	
68 1,4-Dioxane	88	8.250	8.244	0.006	30	31072	125.1	107.9	
69 Dibromomethane	93	8.256	8.250	0.006	94	167132	5.00	4.05	
71 Dichlorobromomethane	83	8.500	8.494	0.006	99	412671	5.00	4.07	
72 2-Nitropropane	41	8.768	8.762	0.006	99	37350	5.00	3.05	
75 1-Bromo-2-chloroethane	63	8.896	8.890	0.006	98	370532	5.00	4.29	
76 cis-1,3-Dichloropropene	75	9.067	9.061	0.006	98	463941	5.00	4.11	
77 4-Methyl-2-pentanone (MIBK)	43	9.244	9.244	0.000	95	2412369	62.6	49.2	
\$ 78 Toluene-d8 (Surr)	98	9.390	9.384	0.006	93	2321885	10.0	10.3	
79 Toluene	92	9.469	9.469	0.000	99	932639	5.00	4.69	
97 trans-1,3-Dichloropropene	75	9.756	9.744	0.012	91	395022	5.00	4.19	
99 Ethyl methacrylate	69	9.823	9.817	0.006	87	318885	5.00	4.10	
100 1,1,2-Trichloroethane	97	9.957	9.957	0.000	90	253299	5.00	4.27	
101 Tetrachloroethene	166	10.049	10.049	0.000	97	993683	5.00	10.3	
102 1,3-Dichloropropane	76	10.128	10.128	0.000	88	417855	5.00	4.10	
103 2-Hexanone	43	10.183	10.183	0.000	95	1723089	62.6	49.9	
105 Chlorodibromomethane	129	10.347	10.347	0.000	90	303359	5.00	4.14	
106 Ethylene Dibromide	107	10.463	10.457	0.006	99	229718	5.00	4.10	
* 107 Chlorobenzene-d5 (IS)	117	10.902	10.902	0.000	84	1713770	10.0	10.0	
108 1-Chlorohexane	91	10.920	10.920	0.000	95	501332	5.00	4.61	
109 Chlorobenzene	112	10.933	10.933	0.000	96	1072527	5.00	4.59	
111 1,1,1,2-Tetrachloroethane	131	11.018	11.018	0.000	97	358706	5.00	4.45	
112 Ethylbenzene	91	11.024	11.024	0.000	98	1796995	5.00	4.63	
113 m-Xylene & p-Xylene	106	11.140	11.140	0.000	93	1449403	10.0	9.58	
114 o-Xylene	106	11.475	11.475	0.000	96	687882	5.00	4.75	
115 Styrene	104	11.493	11.493	0.000	95	1129633	5.00	5.00	
116 Bromoform	173	11.652	11.652	0.000	98	173114	5.00	4.02	
117 Isopropylbenzene	105	11.780	11.780	0.000	95	1815208	5.00	5.43	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	93	821179	10.0	9.93	
121 1,1,2,2-Tetrachloroethane	83	12.030	12.030	0.000	94	312176	5.00	3.75	
122 Bromobenzene	156	12.042	12.042	0.000	93	435434	5.00	4.39	
123 trans-1,4-Dichloro-2-butene	53	12.054	12.054	0.000	86	190717	25.0	11.3	
124 1,2,3-Trichloropropane	110	12.073	12.073	0.000	81	88789	5.00	3.95	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
125 N-Propylbenzene	91	12.115	12.115	0.000	99	2151125	5.00	4.61	
126 2-Chlorotoluene	126	12.188	12.188	0.000	97	451418	5.00	4.54	
127 1,3,5-Trimethylbenzene	105	12.249	12.249	0.000	94	1554478	5.00	4.68	
128 4-Chlorotoluene	126	12.280	12.280	0.000	97	462091	5.00	4.53	
129 tert-Butylbenzene	134	12.493	12.493	0.000	92	330368	5.00	4.25	
131 1,2,4-Trimethylbenzene	105	12.536	12.536	0.000	97	1567276	5.00	4.68	
132 sec-Butylbenzene	105	12.658	12.658	0.000	94	2064239	5.00	4.78	
133 1,3-Dichlorobenzene	146	12.755	12.755	0.000	99	860344	5.00	4.52	
134 4-Isopropyltoluene	119	12.768	12.768	0.000	98	1756357	5.00	4.82	
* 135 1,4-Dichlorobenzene-d4	152	12.810	12.810	0.000	93	1016590	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.829	12.829	0.000	96	927381	5.00	4.53	
137 1,2,3-Trimethylbenzene	120	12.841	12.841	0.000	98	710123	5.00	4.47	
138 Benzyl chloride	126	12.908	12.908	0.000	98	126370	5.00	4.30	
139 n-Butylbenzene	92	13.060	13.060	0.000	97	866724	5.00	4.67	
140 1,2-Dichlorobenzene	146	13.085	13.091	-0.006	99	820246	5.00	4.46	
142 1,2-Dibromo-3-Chloropropane	155	13.633	13.633	0.000	88	43485	5.00	3.89	
143 1,3,5-Trichlorobenzene	180	13.761	13.761	0.000	98	650964	5.00	4.70	
144 1,2,4-Trichlorobenzene	180	14.182	14.182	0.000	94	541948	5.00	4.79	
145 Hexachlorobutadiene	225	14.261	14.267	-0.006	97	271534	5.00	4.99	
146 Naphthalene	128	14.359	14.359	0.000	97	1021683	5.00	4.63	
147 1,2,3-Trichlorobenzene	180	14.499	14.499	0.000	96	485227	5.00	4.71	
156 p-Diethylbenzene	1		0.000				ND	ND	
155 2-Methylnaphthalene	142		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00222

Amount Added: 5.38

Units: uL

MSV_QC_Gas826_00263

Amount Added: 5.38

Units: uL

MSV_LLcentISS_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 05-Jun-2025 13:47:12

Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\IU04X35.D

Injection Date: 04-Jun-2025 22:02:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: 410-224440-A-6 MS

Worklist Smp#: 25

Client ID: HD-COD-SW-15-0/1-0 MS

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

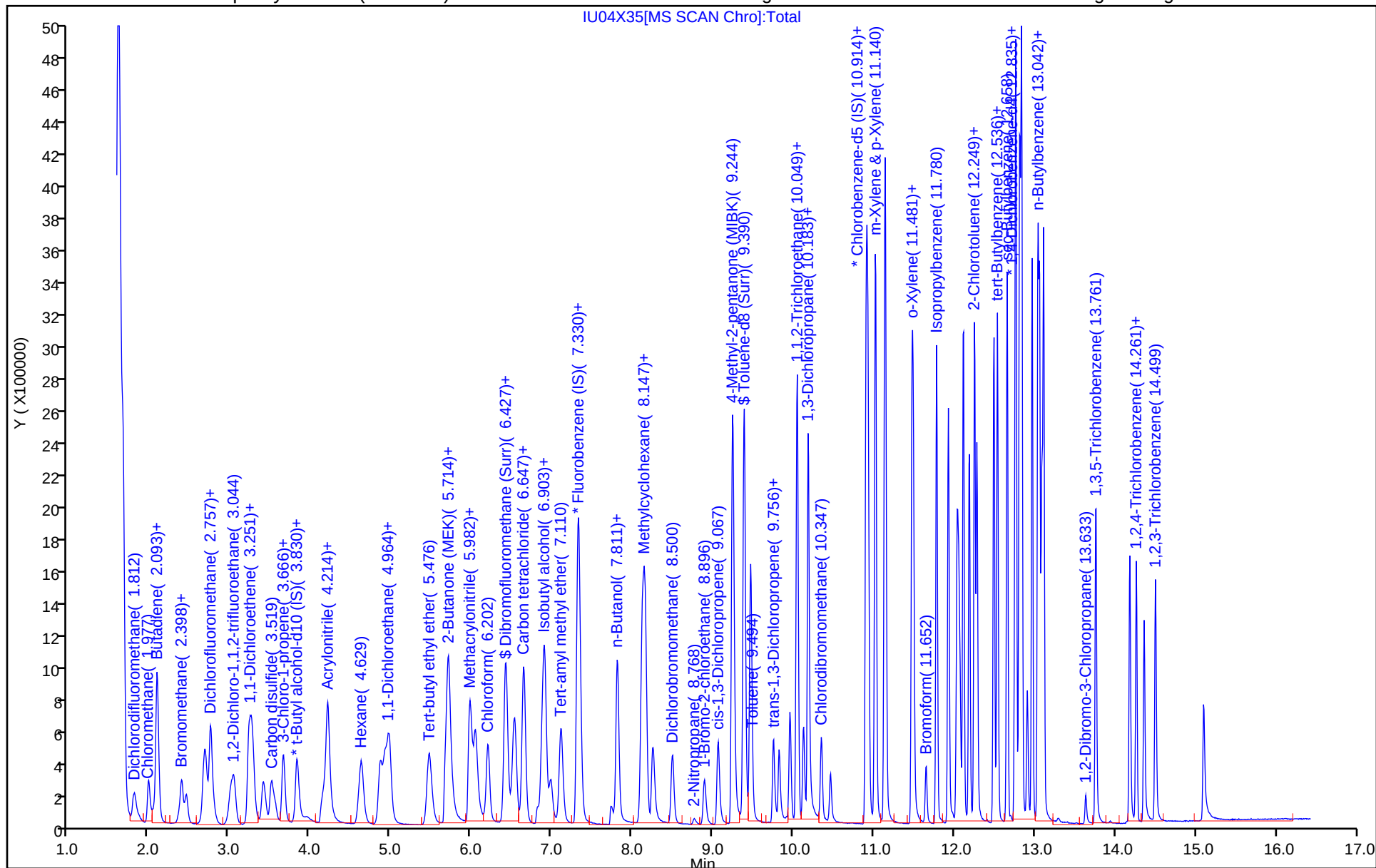
ALS Bottle#: 25

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\20250604-149239.b\IU04X35.D
Lims ID: 410-224440-A-6 MS
Client ID: HD-COD-SW-15-0/1-0 MS
Sample Type: MS
Inject. Date: 04-Jun-2025 22:02:30 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149239-025
Operator ID: ecr105096 Instrument ID: 19930
Method: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 05-Jun-2025 13:47:11 Calib Date: 17-Mar-2025 21:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 13:19:59

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	9.91	99.09
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	102.25
\$ 78 Toluene-d8 (Surr)	10.0	10.3	102.84
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.93	99.31

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 MSD
MSD

Lab Sample ID: 410-224440-6 MSD

Matrix: Water

Lab File ID: IU04X36.D

Analysis Method: 8260D

Date Collected: 05/27/2025 11:45

Sample wt/vol: 25 (mL)

Date Analyzed: 06/04/2025 22:23

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 652669

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	4.54		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.01		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	3.96		0.50	0.10
79-00-5	1,1,2-Trichloroethane	4.37		0.50	0.080
75-34-3	1,1-Dichloroethane	4.77		0.50	0.10
75-35-4	1,1-Dichloroethene	5.33		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	4.22		0.50	0.080
107-06-2	1,2-Dichloroethane	3.89		0.50	0.070
78-87-5	1,2-Dichloropropane	4.37		0.50	0.10
78-93-3	2-Butanone (MEK)	47.9		5.0	1.0
591-78-6	2-Hexanone	47.1		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	46.8		5.0	1.0
67-64-1	Acetone	41.4		5.0	1.5
71-43-2	Benzene	4.55		0.50	0.10
74-97-5	Bromochloromethane	4.44		0.50	0.080
75-27-4	Bromodichloromethane	4.20		0.50	0.080
75-25-2	Bromoform	4.19		1.0	0.30
74-83-9	Bromomethane	3.70		0.50	0.10
75-15-0	Carbon disulfide	4.31		1.0	0.10
56-23-5	Carbon tetrachloride	4.83		0.50	0.10
108-90-7	Chlorobenzene	4.61		0.50	0.070
75-00-3	Chloroethane	3.81		0.50	0.10
67-66-3	Chloroform	4.56		0.50	0.090
74-87-3	Chloromethane	3.40		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.85		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.25		0.50	0.10
124-48-1	Dibromochloromethane	4.24		0.50	0.080
100-41-4	Ethylbenzene	4.67		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.29		0.50	0.080
75-09-2	Methylene Chloride	4.64		0.50	0.20
100-42-5	Styrene	5.09		0.50	0.070

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-224440-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 MSD
MSD

Lab Sample ID: 410-224440-6 MSD

Matrix: Water

Lab File ID: IU04X36.D

Analysis Method: 8260D

Date Collected: 05/27/2025 11:45

Sample wt/vol: 25 (mL)

Date Analyzed: 06/04/2025 22:23

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 652669

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	10.3		0.50	0.20
108-88-3	Toluene	4.77		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	5.01		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	4.25		0.50	0.080
79-01-6	Trichloroethene	5.94		0.50	0.080
75-01-4	Vinyl chloride	4.07		0.50	0.10
1330-20-7	Xylenes, Total	14.6		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\U04X36.D
 Lims ID: 410-224440-A-6 MSD
 Client ID: HD-COD-SW-15-0/1-0 MSD
 Sample Type: MSD
 Inject. Date: 04-Jun-2025 22:23:30 ALS Bottle#: 26 Worklist Smp#: 26
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0149239-026
 Operator ID: ecr105096 Instrument ID: 19930
 Method: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\8260 25ml HP31.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-Jun-2025 13:46:47 Calib Date: 17-Mar-2025 21:31:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 13:20:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.806	1.806	0.000	99	368851	5.00	4.15	
4 Chloromethane	50	1.989	1.983	0.006	99	389087	5.00	3.40	
6 Butadiene	39	2.093	2.087	0.006	89	489038	5.00	3.62	
5 Vinyl chloride	62	2.099	2.093	0.006	98	391770	5.00	4.07	
7 Bromomethane	94	2.398	2.392	0.006	90	291501	5.00	3.70	
8 Chloroethane	64	2.453	2.453	0.000	99	234157	5.00	3.81	
9 Dichlorofluoromethane	67	2.690	2.684	0.006	97	637303	5.00	3.60	
10 Trichlorofluoromethane	101	2.757	2.745	0.012	98	553024	5.00	4.56	M
13 1,2-Dichloro-1,1,2-trifluoroethane	67	3.038	3.032	0.006	91	406744	5.00	4.74	
15 1,1-Dichloroethene	96	3.233	3.227	0.006	97	340882	5.00	5.33	
16 Acetone	43	3.257	3.245	0.012	100	489532	62.6	41.4	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.276	3.269	0.007	91	336252	5.00	4.63	
18 Iodomethane	142	3.416	3.410	0.006	98	553089	5.00	4.18	
20 Carbon disulfide	76	3.519	3.507	0.012	98	889034	5.00	4.31	
23 Methyl acetate	43	3.647	3.629	0.018	98	78201	5.00	2.72	M
24 3-Chloro-1-propene	41	3.660	3.654	0.006	92	424534	5.00	4.07	
25 Methylene Chloride	84	3.836	3.818	0.018	88	348080	5.00	4.64	
* 26 t-Butyl alcohol-d10 (IS)	65	3.855	3.830	0.025	94	179955	50.0	50.0	
27 2-Methyl-2-propanol	59	3.958	3.940	0.018	99	165496	50.0	39.9	
28 Acrylonitrile	53	4.153	4.135	0.018	98	264469	25.0	18.7	
29 Methyl tert-butyl ether	73	4.202	4.190	0.012	94	769254	5.00	4.29	
30 trans-1,2-Dichloroethene	96	4.214	4.202	0.012	99	355504	5.00	5.01	
31 Hexane	57	4.635	4.623	0.012	90	453379	5.00	4.57	
32 1,1-Dichloroethane	63	4.867	4.855	0.013	96	650226	5.00	4.77	
35 Isopropyl ether	45	4.928	4.922	0.006	93	864625	5.00	3.95	
36 2-Chloro-1,3-butadiene	53	4.983	4.970	0.013	89	471347	5.00	4.44	
37 Tert-butyl ethyl ether	59	5.476	5.464	0.012	97	862418	5.00	4.22	
38 2-Butanone (MEK)	43	5.678	5.665	0.013	98	954929	62.6	47.9	
39 cis-1,2-Dichloroethene	96	5.708	5.702	0.006	80	463536	5.00	5.85	
40 2,2-Dichloropropane	77	5.732	5.720	0.012	83	522928	5.00	4.67	
43 Propionitrile	54	5.793	5.757	0.036	97	141971	37.5	26.8	
45 Methacrylonitrile	67	5.988	5.970	0.018	89	641458	37.5	31.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
46 Chlorobromomethane	128	6.049	6.043	0.006	90	170525	5.00	4.44	
47 Tetrahydrofuran	71	6.055	6.049	0.006	81	124838	25.0	20.9	
48 Chloroform	83	6.208	6.196	0.012	92	632829	5.00	4.56	
\$ 49 Dibromofluoromethane (Surr)	113	6.421	6.415	0.006	94	557450	10.0	9.88	
50 1,1,1-Trichloroethane	97	6.433	6.427	0.006	97	595680	5.00	5.01	
51 Cyclohexane	56	6.531	6.525	0.006	88	588054	5.00	4.79	
54 Carbon tetrachloride	117	6.647	6.641	0.006	96	503554	5.00	4.83	
53 1,1-Dichloropropene	75	6.647	6.641	0.006	97	484899	5.00	4.59	
55 Isobutyl alcohol	41	6.824	6.805	0.019	94	124774	125.1	85.6	
\$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.879	6.872	0.006	87	119714	10.0	10.5	
57 Benzene	78	6.909	6.903	0.006	96	1434519	5.00	4.55	
58 1,2-Dichloroethane	62	6.982	6.982	0.000	97	350287	5.00	3.89	
60 Tert-amyl methyl ether	73	7.110	7.110	0.000	99	838942	5.00	4.46	
* 61 Fluorobenzene (IS)	96	7.324	7.317	0.007	98	2283477	10.0	10.0	
62 n-Heptane	43	7.348	7.342	0.006	91	462978	5.00	4.75	
63 n-Butanol	56	7.732	7.708	0.024	88	219173	250.2	191.2	
64 Trichloroethene	95	7.811	7.805	0.006	97	495745	5.00	5.94	
65 Methylcyclohexane	83	8.116	8.116	0.000	90	657213	5.00	5.02	
66 1,2-Dichloropropane	63	8.140	8.140	0.000	97	363118	5.00	4.37	
67 Methyl methacrylate	69	8.250	8.238	0.012	88	153227	5.00	4.32	
68 1,4-Dioxane	88	8.256	8.244	0.012	30	33808	125.1	108.0	
69 Dibromomethane	93	8.256	8.250	0.006	94	168369	5.00	4.10	
71 Dichlorobromomethane	83	8.500	8.494	0.006	99	423502	5.00	4.20	
72 2-Nitropropane	41	8.774	8.762	0.012	98	37804	5.00	2.84	
75 1-Bromo-2-chloroethane	63	8.896	8.890	0.006	98	345363	5.00	4.02	
76 cis-1,3-Dichloropropene	75	9.067	9.061	0.006	98	477889	5.00	4.25	
77 4-Methyl-2-pentanone (MIBK)	43	9.244	9.244	0.000	95	2496936	62.6	46.8	
\$ 78 Toluene-d8 (Surr)	98	9.390	9.384	0.006	93	2277302	10.0	10.1	
79 Toluene	92	9.469	9.469	0.000	98	944171	5.00	4.77	
97 trans-1,3-Dichloropropene	75	9.750	9.744	0.006	90	398664	5.00	4.25	
99 Ethyl methacrylate	69	9.823	9.817	0.006	88	325454	5.00	4.20	
100 1,1,2-Trichloroethane	97	9.957	9.957	0.000	90	258675	5.00	4.37	
101 Tetrachloroethene	166	10.049	10.049	0.000	97	994077	5.00	10.3	
102 1,3-Dichloropropane	76	10.128	10.128	0.000	87	428853	5.00	4.22	
103 2-Hexanone	43	10.183	10.183	0.000	95	1765819	62.6	47.1	
105 Chlorodibromomethane	129	10.347	10.347	0.000	89	309633	5.00	4.24	
106 Ethylene Dibromide	107	10.463	10.457	0.006	98	235757	5.00	4.22	
* 107 Chlorobenzene-d5 (IS)	117	10.902	10.902	0.000	84	1707119	10.0	10.0	
108 1-Chlorohexane	91	10.920	10.920	0.000	95	511191	5.00	4.72	
109 Chlorobenzene	112	10.933	10.933	0.000	96	1073632	5.00	4.61	
111 1,1,1,2-Tetrachloroethane	131	11.018	11.018	0.000	97	364450	5.00	4.54	
112 Ethylbenzene	91	11.024	11.024	0.000	98	1805170	5.00	4.67	
113 m-Xylene & p-Xylene	106	11.140	11.140	0.000	93	1475158	10.0	9.79	
114 o-Xylene	106	11.475	11.475	0.000	96	694245	5.00	4.81	
115 Styrene	104	11.493	11.493	0.000	95	1146232	5.00	5.09	
116 Bromoform	173	11.652	11.652	0.000	98	180021	5.00	4.19	
117 Isopropylbenzene	105	11.780	11.780	0.000	95	1850176	5.00	5.55	
\$ 120 4-Bromofluorobenzene (Surr)	95	11.926	11.926	0.000	94	819510	10.0	9.95	
121 1,1,2,2-Tetrachloroethane	83	12.030	12.030	0.000	94	324430	5.00	3.96	
122 Bromobenzene	156	12.042	12.042	0.000	93	438964	5.00	4.49	
123 trans-1,4-Dichloro-2-butene	53	12.054	12.054	0.000	91	208502	25.0	11.4	
124 1,2,3-Trichloropropane	110	12.073	12.073	0.000	81	87983	5.00	3.98	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
125 N-Propylbenzene	91	12.115	12.115	0.000	99	2180527	5.00	4.74	
126 2-Chlorotoluene	126	12.188	12.188	0.000	97	449559	5.00	4.59	
127 1,3,5-Trimethylbenzene	105	12.249	12.249	0.000	94	1574693	5.00	4.82	
128 4-Chlorotoluene	126	12.280	12.280	0.000	97	468140	5.00	4.66	
129 tert-Butylbenzene	134	12.493	12.493	0.000	92	340061	5.00	4.45	
131 1,2,4-Trimethylbenzene	105	12.536	12.536	0.000	97	1599582	5.00	4.85	
132 sec-Butylbenzene	105	12.658	12.658	0.000	94	2097537	5.00	4.93	
133 1,3-Dichlorobenzene	146	12.755	12.755	0.000	98	873148	5.00	4.66	
134 4-Isopropyltoluene	119	12.768	12.768	0.000	97	1768644	5.00	4.93	
* 135 1,4-Dichlorobenzene-d4	152	12.810	12.810	0.000	93	1000757	10.0	10.0	
136 1,4-Dichlorobenzene	146	12.829	12.829	0.000	95	928052	5.00	4.60	
137 1,2,3-Trimethylbenzene	120	12.841	12.841	0.000	98	709179	5.00	4.54	
138 Benzyl chloride	126	12.908	12.908	0.000	98	127906	5.00	4.42	
139 n-Butylbenzene	92	13.060	13.060	0.000	97	878889	5.00	4.81	
140 1,2-Dichlorobenzene	146	13.091	13.091	0.000	99	827514	5.00	4.57	
142 1,2-Dibromo-3-Chloropropane	155	13.633	13.633	0.000	89	46201	5.00	4.20	
143 1,3,5-Trichlorobenzene	180	13.761	13.761	0.000	98	655893	5.00	4.81	
144 1,2,4-Trichlorobenzene	180	14.182	14.182	0.000	94	552370	5.00	4.96	
145 Hexachlorobutadiene	225	14.261	14.267	-0.006	96	279468	5.00	5.22	
146 Naphthalene	128	14.359	14.359	0.000	97	1057452	5.00	4.87	
147 1,2,3-Trichlorobenzene	180	14.499	14.499	0.000	96	504408	5.00	4.97	
156 p-Diethylbenzene	1		0.000				ND	ND	
155 2-Methylnaphthalene	142		0.000				ND	ND	
161 Pentane	43		0.000				ND	ND	
165 Isopropyl alcohol	45		0.000				ND	ND	
150 2-ethoxy-2-methyl butane	1		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_00222

Amount Added: 5.38

Units: uL

MSV_QC_Gas826_00263

Amount Added: 5.38

Units: uL

MSV_LLcentISS_00017

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\IU04X36.D

Injection Date: 04-Jun-2025 22:23:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: 410-224440-A-6 MSD

Worklist Smp#: 26

Client ID: HD-COD-SW-15-0/1-0 MSD

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

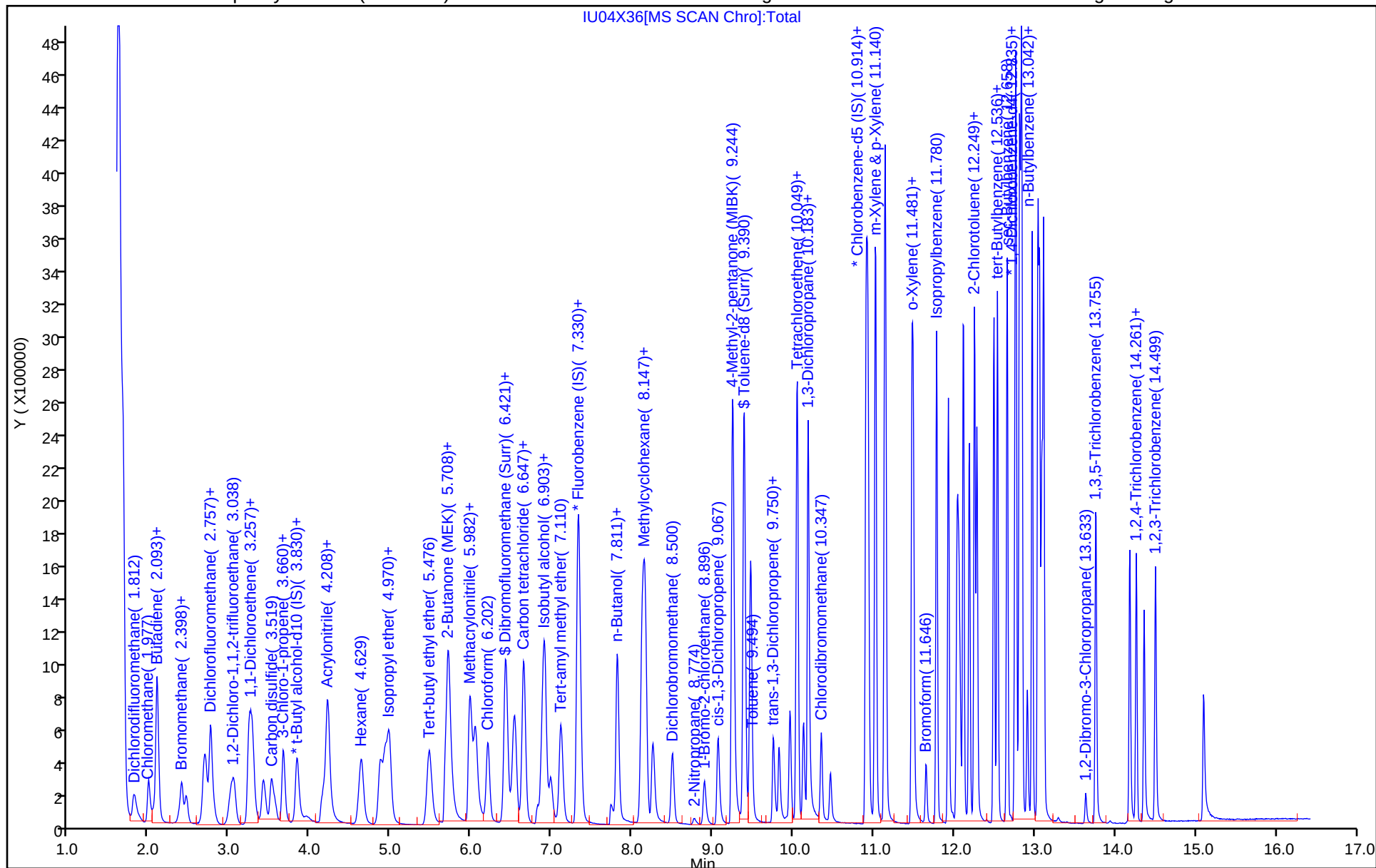
ALS Bottle#: 26

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\20250604-149239.b\IU04X36.D
Lims ID: 410-224440-A-6 MSD
Client ID: HD-COD-SW-15-0/1-0 MSD
Sample Type: MSD
Inject. Date: 04-Jun-2025 22:23:30 ALS Bottle#: 26 Worklist Smp#: 26
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149239-026
Operator ID: ecr105096 Instrument ID: 19930
Method: \\chromfs\Lancaster\ChromData\19930\20250604-149239.b\8260 25ml HP31.m
Limit Group: MSV - 8260C_D
Last Update: 05-Jun-2025 13:46:47 Calib Date: 17-Mar-2025 21:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1728

First Level Reviewer: FQ4L

Date: 05-Jun-2025 13:20:39

Compound	Amount Added	Amount Recovered	% Rec.
\$ 49 Dibromofluoromethane (Surr)	10.0	9.88	98.83
\$ 56 1,2-Dichloroethane-d4 (Surr)	10.0	10.5	104.66
\$ 78 Toluene-d8 (Surr)	10.0	10.1	101.26
\$ 120 4-Bromofluorobenzene (Surr)	10.0	9.95	99.50

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Instrument ID: 19930

Start Date: 03/17/2025 15:00

Analysis Batch Number: 617959

End Date: 03/17/2025 23:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-617959/1		03/17/2025 15:00	1	IM17T01.D	R-624SiIMS 30m 0.25 (mm)
IC 410-617959/3		03/17/2025 15:35	1		R-624SiIMS 30m 0.25 (mm)
IC 410-617959/4		03/17/2025 15:56	1		R-624SiIMS 30m 0.25 (mm)
IC 410-617959/5		03/17/2025 16:17	1		R-624SiIMS 30m 0.25 (mm)
IC 410-617959/6		03/17/2025 16:38	1		R-624SiIMS 30m 0.25 (mm)
IC 410-617959/7		03/17/2025 16:59	1		R-624SiIMS 30m 0.25 (mm)
IC 410-617959/8		03/17/2025 17:20	1		R-624SiIMS 30m 0.25 (mm)
IC 410-617959/9		03/17/2025 17:41	1		R-624SiIMS 30m 0.25 (mm)
ICV 410-617959/11		03/17/2025 18:23	1		R-624SiIMS 30m 0.25 (mm)
IC 410-617959/13		03/17/2025 19:05	1	IM17X12.D	R-624SiIMS 30m 0.25 (mm)
IC 410-617959/14		03/17/2025 19:25	1	IM17X13.D	R-624SiIMS 30m 0.25 (mm)
IC 410-617959/15		03/17/2025 19:46	1	IM17X14.D	R-624SiIMS 30m 0.25 (mm)
IC 410-617959/16		03/17/2025 20:07	1	IM17X15.D	R-624SiIMS 30m 0.25 (mm)
IC 410-617959/17		03/17/2025 20:28	1	IM17X16.D	R-624SiIMS 30m 0.25 (mm)
IC 410-617959/18		03/17/2025 20:49	1	IM17X17.D	R-624SiIMS 30m 0.25 (mm)
ICIS 410-617959/19		03/17/2025 21:10	1	IM17X18.D	R-624SiIMS 30m 0.25 (mm)
IC 410-617959/20		03/17/2025 21:31	1	IM17X19.D	R-624SiIMS 30m 0.25 (mm)
ICV 410-617959/22		03/17/2025 22:13	1	IM17X21.D	R-624SiIMS 30m 0.25 (mm)
ZZZZZ (QC)		03/17/2025 22:55	1		R-624SiIMS 30m 0.25 (mm)
ZZZZZ (QC)		03/17/2025 23:16	1		R-624SiIMS 30m 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Instrument ID: 19094

Start Date: 03/31/2025 15:05

Analysis Batch Number: 623992

End Date: 03/31/2025 19:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-623992/1		03/31/2025 15:05	1	HM31T01.D	R-624Si1MS 30m 0.25 (mm)
IC 410-623992/13		03/31/2025 15:52	1	HM31X12.D	R-624Si1MS 30m 0.25 (mm)
IC 410-623992/14		03/31/2025 16:13	1	HM31X13.D	R-624Si1MS 30m 0.25 (mm)
IC 410-623992/15		03/31/2025 16:34	1	HM31X14.D	R-624Si1MS 30m 0.25 (mm)
IC 410-623992/16		03/31/2025 16:54	1	HM31X15.D	R-624Si1MS 30m 0.25 (mm)
IC 410-623992/17		03/31/2025 17:16	1	HM31X16.D	R-624Si1MS 30m 0.25 (mm)
IC 410-623992/18		03/31/2025 17:36	1	HM31X17.D	R-624Si1MS 30m 0.25 (mm)
IC 410-623992/19		03/31/2025 17:57	1	HM31X18.D	R-624Si1MS 30m 0.25 (mm)
ICIS 410-623992/20		03/31/2025 18:18	1	HM31X19.D	R-624Si1MS 30m 0.25 (mm)
IC 410-623992/21		03/31/2025 18:38	1	HM31X20.D	R-624Si1MS 30m 0.25 (mm)
ICV 410-623992/23		03/31/2025 19:20	1	HM31X22.D	R-624Si1MS 30m 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Instrument ID: 19930

Start Date: 06/04/2025 12:51

Analysis Batch Number: 652669

End Date: 06/05/2025 00:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-652669/1		06/04/2025 12:51	1	IU04T05.D	R-624Si1MS 30m 0.25 (mm)
CCVIS 410-652669/3		06/04/2025 13:42	1	IU04X12.D	R-624Si1MS 30m 0.25 (mm)
LCS 410-652669/5		06/04/2025 14:24	1	IU04X14.D	R-624Si1MS 30m 0.25 (mm)
MB 410-652669/7		06/04/2025 15:27	1	copy_IU04X17.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/04/2025 15:27	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (QC)		06/04/2025 15:27	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (QC)		06/04/2025 15:48	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/04/2025 16:25	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/04/2025 16:46	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/04/2025 17:07	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/04/2025 17:28	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/04/2025 17:49	20		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/04/2025 18:10	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/04/2025 18:31	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/04/2025 18:52	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/04/2025 19:13	2		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/04/2025 19:34	2		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/04/2025 19:56	20		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/04/2025 20:17	2		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/04/2025 20:38	20		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/04/2025 20:59	10		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/04/2025 21:20	100		R-624Si1MS 30m 0.25 (mm)
410-224440-6	HD-COD-SW-15-0/1-0	06/04/2025 21:41	1	IU04X34.D	R-624Si1MS 30m 0.25 (mm)
410-224440-6 MS	HD-COD-SW-15-0/1-0 MS MS	06/04/2025 22:02	1	IU04X35.D	R-624Si1MS 30m 0.25 (mm)
410-224440-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	06/04/2025 22:23	1	IU04X36.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/04/2025 22:44	10		R-624Si1MS 30m 0.25 (mm)
410-224440-1	HD-COD-SW-6-0/1-0	06/04/2025 23:05	1	IU04X38.D	R-624Si1MS 30m 0.25 (mm)
410-224440-2	HD-COD-SW-7-0/1-0	06/04/2025 23:26	1	IU04X39.D	R-624Si1MS 30m 0.25 (mm)
410-224440-3	HD-COD-SW-8-0/1-0	06/04/2025 23:47	1	IU04X40.D	R-624Si1MS 30m 0.25 (mm)
410-224440-4	HD-COD-SW-9-0/1-0	06/05/2025 00:08	1	IU04X41.D	R-624Si1MS 30m 0.25 (mm)
410-224440-5	HD-COD-SW-13-0/1-0	06/05/2025 00:29	1	IU04X42.D	R-624Si1MS 30m 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-224440-1

SDG No.:

Instrument ID: 19094

Start Date: 06/04/2025 20:34

Analysis Batch Number: 653082

End Date: 06/05/2025 06:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-653082/1		06/04/2025 20:34	1	HU04T31.D	R-624Si1MS 30m 0.25 (mm)
CCVIS 410-653082/3		06/04/2025 21:08	1	HU04X32.D	R-624Si1MS 30m 0.25 (mm)
LCS 410-653082/4		06/04/2025 21:28	1	HU04X33.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ (QC)		06/04/2025 21:49	1		R-624Si1MS 30m 0.25 (mm)
MB 410-653082/6		06/04/2025 22:10	1	HU04X35.D	R-624Si1MS 30m 0.25 (mm)
410-224440-14	HD-QC1-0/1-2	06/04/2025 22:30	1	HU04X36.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/04/2025 22:51	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/04/2025 23:12	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/04/2025 23:35	10		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/04/2025 23:56	500		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/05/2025 00:16	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/05/2025 00:37	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/05/2025 00:58	1		R-624Si1MS 30m 0.25 (mm)
410-224440-7	HD-COD-SW-16-0/1-0	06/05/2025 01:20	1	HU04X44.D	R-624Si1MS 30m 0.25 (mm)
410-224440-9	HD-COD-SW-26-0/1-0	06/05/2025 01:41	1	HU04X45.D	R-624Si1MS 30m 0.25 (mm)
410-224440-10	HD-COD-SW-27-0/1-0	06/05/2025 02:02	1	HU04X46.D	R-624Si1MS 30m 0.25 (mm)
410-224440-11	HD-COD-SW-28-0/1-0	06/05/2025 02:23	1	HU04X47.D	R-624Si1MS 30m 0.25 (mm)
410-224440-12	HD-COD-SW-29-0/1-0	06/05/2025 02:44	1	HU04X48.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/05/2025 03:05	5		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (QC)		06/05/2025 03:25	5		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (QC)		06/05/2025 03:46	5		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/05/2025 04:07	50		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/05/2025 04:27	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		06/05/2025 04:48	10		R-624Si1MS 30m 0.25 (mm)
410-224440-8	HD-COD-SW-17-0/1-0	06/05/2025 05:09	1	HU04X55.D	R-624Si1MS 30m 0.25 (mm)
410-224440-8 DL	HD-COD-SW-17-0/1-0 DL	06/05/2025 05:30	20	HU04X56.D	R-624Si1MS 30m 0.25 (mm)
410-224440-13	HD-QC1-0/1-1	06/05/2025 05:50	1	HU04X57.D	R-624Si1MS 30m 0.25 (mm)
410-224440-13 DL	HD-QC1-0/1-1 DL	06/05/2025 06:11	20	HU04X58.D	R-624Si1MS 30m 0.25 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1

SDG No.: _____

Batch Number: 617959 Batch Start Date: 03/17/25 15:00 Batch Analyst: Kephart, KaylaBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	LCS_ETBR 00009	MSV_CCV_SIM 00073	MSV_LCS_ACROL 00217
BFB 410-617959/1		8260D			1 uL	1 uL				
IC 410-617959/13		8260D			25 mL	25 mL	2780		1 uL	
IC 410-617959/14		8260D			25 mL	25 mL	2780			
IC 410-617959/15		8260D			25 mL	25 mL	2780			
IC 410-617959/16		8260D			25 mL	25 mL	2780			
IC 410-617959/17		8260D			25 mL	25 mL	2780			
IC 410-617959/18		8260D			25 mL	25 mL	2780			
ICIS 410-617959/19		8260D			25 mL	25 mL	2780			
IC 410-617959/20		8260D			25 mL	25 mL	2780			
ICV 410-617959/22		8260D			25 mL	25 mL	2780	12.5 uL		12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_EE 00010	MSV_LCS_Penta 00053	MSV_LCS_VOC#1 00213	MSV_LL_#1_826 00162	MSV_LL_#2_826 00172	MSV_LL_GAS826 00262
BFB 410-617959/1		8260D								
IC 410-617959/13		8260D								
IC 410-617959/14		8260D						2 uL	2 uL	2 uL
IC 410-617959/15		8260D						2 uL	2 uL	2 uL
IC 410-617959/16		8260D						2 uL	2 uL	2 uL
IC 410-617959/17		8260D						2 uL	2 uL	2 uL
IC 410-617959/18		8260D						5 uL	5 uL	5 uL
ICIS 410-617959/19		8260D						10 uL	10 uL	10 uL
IC 410-617959/20		8260D						25 uL	25 uL	25 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.

8260D

Page 1 of 2

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1

SDG No.: _____

Batch Number: 617959 Batch Start Date: 03/17/25 15:00 Batch Analyst: Kephart, KaylaBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_EE 00010	MSV_LCS_Penta 00053	MSV_LCS_VOC#1 00213	MSV_LL_#1_826 00162	MSV_LL_#2_826 00172	MSV_LL_GAS826 00262
ICV 410-617959/22		8260D			12.5 uL	12.5 uL	12.5 uL			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LLcentISS 00016	MSV_QC_Gas826 00250	MSV_V_BFB 00018			
BFB 410-617959/1		8260D					1 uL			
IC 410-617959/13		8260D			5 uL					
IC 410-617959/14		8260D			5 uL					
IC 410-617959/15		8260D			5 uL					
IC 410-617959/16		8260D			5 uL					
IC 410-617959/17		8260D			5 uL					
IC 410-617959/18		8260D			5 uL					
ICIS 410-617959/19		8260D			5 uL					
IC 410-617959/20		8260D			5 uL					
ICV 410-617959/22		8260D			5 uL	12.5 uL				

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260D

Page 2 of 2

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1

SDG No.: _____

Batch Number: 623992 Batch Start Date: 03/31/25 15:05 Batch Analyst: Kephart, KaylaBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	LCS_ETBR 00009	MSV_LCS_ACROL 00220	MSV_LCS_EE 00010
BFB 410-623992/1		8260D			1 uL	1 uL				
IC 410-623992/13		8260D			25 mL	25 mL	2788			
IC 410-623992/14		8260D			25 mL	25 mL	2788			
IC 410-623992/15		8260D			25 mL	25 mL	2788			
IC 410-623992/16		8260D			25 mL	25 mL	2788			
IC 410-623992/17		8260D			25 mL	25 mL	2788			
IC 410-623992/18		8260D			25 mL	25 mL	2788			
IC 410-623992/19		8260D			25 mL	25 mL	2788			
ICIS 410-623992/20		8260D			25 mL	25 mL	2788			
IC 410-623992/21		8260D			25 mL	25 mL	2788			
ICV 410-623992/23		8260D			25 mL	25 mL	2788	12.5 uL	12.5 uL	12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_Penta 00053	MSV_LCS_VOC#1 00214	MSV_LL_#1_826 00163	MSV_LL_#2_826 00174	MSV_LL_GAS826 00264	MSV_LLcentISS 00016
BFB 410-623992/1		8260D								
IC 410-623992/13		8260D					0.4 uL	0.4 uL	0.4 uL	5 uL
IC 410-623992/14		8260D					1.2 uL	1.2 uL	1.2 uL	5 uL
IC 410-623992/15		8260D					2 uL	2 uL	2 uL	5 uL
IC 410-623992/16		8260D					2 uL	2 uL	2 uL	5 uL
IC 410-623992/17		8260D					2 uL	2 uL	2 uL	5 uL
IC 410-623992/18		8260D					2 uL	2 uL	2 uL	5 uL
IC 410-623992/19		8260D					5 uL	5 uL	5 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.

8260D

Page 1 of 2

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1

SDG No.: _____

Batch Number: 623992 Batch Start Date: 03/31/25 15:05 Batch Analyst: Kephart, KaylaBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_Penta 00053	MSV_LCS_VOC#1 00214	MSV_LL_#1_826 00163	MSV_LL_#2_826 00174	MSV_LL_GAS826 00264	MSV_LLcentISS 00016
ICIS 410-623992/20		8260D					10 uL	10 uL	10 uL	5 uL
IC 410-623992/21		8260D					25 uL	25 uL	25 uL	5 uL
ICV 410-623992/23		8260D			12.5 uL	12.5 uL				5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_QC_Gas826 00252	MSV_V_BFB 00018				
BFB 410-623992/1		8260D				1 uL				
IC 410-623992/13		8260D								
IC 410-623992/14		8260D								
IC 410-623992/15		8260D								
IC 410-623992/16		8260D								
IC 410-623992/17		8260D								
IC 410-623992/18		8260D								
IC 410-623992/19		8260D								
ICIS 410-623992/20		8260D								
IC 410-623992/21		8260D								
ICV 410-623992/23		8260D			12.5 uL					

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260D

Page 2 of 2

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1

SDG No.: _____

Batch Number: 652669 Batch Start Date: 06/04/25 12:51 Batch Analyst: Ressler, EricBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCh eck	Headspace	Lot#Vial
BFB 410-652669/1		8260D			1 uL	1 uL				
CCVIS 410-652669/3		8260D			25 mL	25 mL				431126
LCS 410-652669/5		8260D			25 mL	25 mL				431126
MB 410-652669/7		8260D			25 mL	25 mL				431126
410-224440-A-6	HD-COD-SW-15-0/ 1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-224440-A-6 MS	HD-COD-SW-15-0/ 1-0 MS	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-224440-A-6 MSD	HD-COD-SW-15-0/ 1-0 MSD	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-224440-A-1	HD-COD-SW-6-0/1 -0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-224440-A-2	HD-COD-SW-7-0/1 -0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-224440-A-3	HD-COD-SW-8-0/1 -0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-224440-A-4	HD-COD-SW-9-0/1 -0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-224440-A-5	HD-COD-SW-13-0/ 1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_VOC#1 00222	MSV_LL_#1_826 00168	MSV_LL_#2_826 00181	MSV_LL_GAS826 00274	MSV_LLcentISS 00017	MSV_QC_Gas826 00263
BFB 410-652669/1		8260D								
CCVIS 410-652669/3		8260D				25 uL	25 uL	25 uL	5 uL	
LCS 410-652669/5		8260D			12.5 uL				5 uL	12.5 uL
MB 410-652669/7		8260D							5 uL	
410-224440-A-6	HD-COD-SW-15-0/ 1-0	8260D	Water	T					5 uL	
410-224440-A-6 MS	HD-COD-SW-15-0/ 1-0 MS	8260D	Water	T	5.38 uL				5 uL	5.38 uL
410-224440-A-6 MSD	HD-COD-SW-15-0/ 1-0 MSD	8260D	Water	T	5.38 uL				5 uL	5.38 uL
410-224440-A-1	HD-COD-SW-6-0/1 -0	8260D	Water	T					5 uL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260D

Page 1 of 3

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1

SDG No.: _____

Batch Number: 652669 Batch Start Date: 06/04/25 12:51 Batch Analyst: Ressler, EricBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_VOC#1 00222	MSV_LL_#1_826 00168	MSV_LL_#2_826 00181	MSV_LL_GAS826 00274	MSV_LLcentISS 00017	MSV_QC_Gas826 00263
410-224440-A-2	HD-COD-SW-7-0/1-0	8260D	Water	T					5 uL	
410-224440-A-3	HD-COD-SW-8-0/1-0	8260D	Water	T					5 uL	
410-224440-A-4	HD-COD-SW-9-0/1-0	8260D	Water	T					5 uL	
410-224440-A-5	HD-COD-SW-13-0/1-0	8260D	Water	T					5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00019					
BFB		8260D			1 uL					
410-652669/1										
CCVIS		8260D								
410-652669/3										
LCS		8260D								
410-652669/5										
MB 410-652669/7		8260D								
410-224440-A-6	HD-COD-SW-15-0/1-0	8260D	Water	T						
410-224440-A-6	HD-COD-SW-15-0/1-0 MS	8260D	Water	T						
410-224440-A-6	HD-COD-SW-15-0/1-0 MSD	8260D	Water	T						
410-224440-A-1	HD-COD-SW-6-0/1-0	8260D	Water	T						
410-224440-A-2	HD-COD-SW-7-0/1-0	8260D	Water	T						
410-224440-A-3	HD-COD-SW-8-0/1-0	8260D	Water	T						
410-224440-A-4	HD-COD-SW-9-0/1-0	8260D	Water	T						
410-224440-A-5	HD-COD-SW-13-0/1-0	8260D	Water	T						

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260D

Page 2 of 3

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1

SDG No.: _____

Batch Number: 652669 Batch Start Date: 06/04/25 12:51 Batch Analyst: Ressler, EricBatch 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.: 410-224440-1

SDG No.: _____

Batch Number: 653082 Batch Start Date: 06/04/25 20:34 Batch Analyst: Walmer, GavinBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCh eck	Headspace	Lot#Vial
BFB 410-653082/1		8260D			1 uL	1 uL				
CCVIS 410-653082/3		8260D			25 mL	25 mL				431126
LCS 410-653082/4		8260D			25 mL	25 mL				431126
MB 410-653082/6		8260D			25 mL	25 mL				431126
410-224440-A-14	HD-QC1-0/1-2	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-224440-A-7	HD-COD-SW-16-0/ 1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-224440-A-9	HD-COD-SW-26-0/ 1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-224440-A-10	HD-COD-SW-27-0/ 1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-224440-A-11	HD-COD-SW-28-0/ 1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-224440-A-12	HD-COD-SW-29-0/ 1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-224440-A-8	HD-COD-SW-17-0/ 1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-224440-B-8	HD-COD-SW-17-0/ 1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	431126
410-224440-A-13	HD-QC1-0/1-1	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-224440-B-13	HD-QC1-0/1-1	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	431126

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS VOC#1 00222	MSV_LL #1_826 00168	MSV_LL #2_826 00181	MSV_LL GAS826 00274	MSV_LLcentISS 00017	MSV_QC_Gas826 00263
BFB 410-653082/1		8260D								
CCVIS 410-653082/3		8260D				20 uL	20 uL	20 uL	5 uL	
LCS 410-653082/4		8260D			12.5 uL				5 uL	12.5 uL
MB 410-653082/6		8260D							5 uL	
410-224440-A-14	HD-QC1-0/1-2	8260D	Water	T					5 uL	
410-224440-A-7	HD-COD-SW-16-0/ 1-0	8260D	Water	T					5 uL	
410-224440-A-9	HD-COD-SW-26-0/ 1-0	8260D	Water	T					5 uL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260D

Page 1 of 3

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1

SDG No.: _____

Batch Number: 653082 Batch Start Date: 06/04/25 20:34 Batch Analyst: Walmer, GavinBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_VOC#1 00222	MSV_LL_#1_826 00168	MSV_LL_#2_826 00181	MSV_LL_GAS826 00274	MSV_LLcentISS 00017	MSV_QC_Gas826 00263
410-224440-A-10	HD-COD-SW-27-0/ 1-0	8260D	Water	T					5 uL	
410-224440-A-11	HD-COD-SW-28-0/ 1-0	8260D	Water	T					5 uL	
410-224440-A-12	HD-COD-SW-29-0/ 1-0	8260D	Water	T					5 uL	
410-224440-A-8	HD-COD-SW-17-0/ 1-0	8260D	Water	T					5 uL	
410-224440-B-8	HD-COD-SW-17-0/ 1-0	8260D	Water	T					5 uL	
410-224440-A-13	HD-QC1-0/1-1	8260D	Water	T					5 uL	
410-224440-B-13	HD-QC1-0/1-1	8260D	Water	T					5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00019					
BFB 410-653082/1		8260D			1 uL					
CCVIS 410-653082/3		8260D								
LCS 410-653082/4		8260D								
MB 410-653082/6		8260D								
410-224440-A-14	HD-QC1-0/1-2	8260D	Water	T						
410-224440-A-7	HD-COD-SW-16-0/ 1-0	8260D	Water	T						
410-224440-A-9	HD-COD-SW-26-0/ 1-0	8260D	Water	T						
410-224440-A-10	HD-COD-SW-27-0/ 1-0	8260D	Water	T						
410-224440-A-11	HD-COD-SW-28-0/ 1-0	8260D	Water	T						
410-224440-A-12	HD-COD-SW-29-0/ 1-0	8260D	Water	T						
410-224440-A-8	HD-COD-SW-17-0/ 1-0	8260D	Water	T						
410-224440-B-8	HD-COD-SW-17-0/ 1-0	8260D	Water	T						
410-224440-A-13	HD-QC1-0/1-1	8260D	Water	T						
410-224440-B-13	HD-QC1-0/1-1	8260D	Water	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260D

Page 2 of 3

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-224440-1

SDG No.: _____

Batch Number: 653082 Batch Start Date: 06/04/25 20:34 Batch Analyst: Walmer, GavinBatch Method: 8260D Batch End Date: _____

Batch Notes	

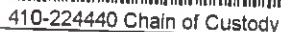
Basis	Basis Description
T	Total/NA

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.

8260D

Page 3 of 3

Shipping and Receiving Documents



Lancaster 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		☐ Tissue		☐ Ground		☒ Surface		Preservation Codes										SF #: _____	
Project Manager: Chris O'Neil		P.O. #: 10012.53		☐ Potable		☐ NPDES		☐ Other:		H										SCR #: _____	
Sampler: Casey Littlefield / Lucas Grimm		PWSID #: N/A		☐ Sediment		☐ Water		☐ Other:		Aqueous VOCs via 8280D (low level - 25 ml purge)										Preservation Codes	
Phone #: (717) 901-8176 / (717) 756-1246		Quote #: _____		☐ Soil		☐ Water		☐ Other:												H = HCl T = Thiosulfate	
State where samples were collected: York, PA		For Compliance: Yes ☐ No ☒																		N = HNO ₃ B = NaOH	
																				S = H ₂ SO ₄ P = H ₃ PO ₄	
																				O = Other	
																				Remarks	
Sample Identification		Collection		Grab		Composite															
		Date		Time																	
HD-COD-SW-6-0/1-0		5/27/25		1038		X														All samples	
HD-COD-SW-7-0/1-0				1118		X														preserved on ice	
HD-COD-SW-8-0/1-0				0930		X															
HD-COD-SW-9-0/1-0				1245		X															
HD-COD-SW-13-0/1-0				0942		X															
HD-COD-SW-15-0/1-0				1145		X															
HD-COD-SW-15-0/1-0 MS				1145		X															
HD-COD-SW-15-0/1-0 MSD				1145		X															
HD-COD-SW-16-0/1-0				1012		X															
HD-COD-SW-17-0/1-0				1018		X															
Turnaround Time Requested (TAT) (please check):				Standard ☒ Rush ☐		Relinquished by:				Date		Time		Received by:		Date		Time			
(Rush TAT is subject to laboratory approval and surcharges.)						[Signature]				5/28/25		0708		Christopher D. O'Neil		5/28/25		0708			
Date results are needed: STANDARD						Relinquished by:				Date		Time		Received by:		Date		Time			
Rush results requested by (please check):				E-Mail ☒ Phone ☐		Christopher D. O'Neil				5/28/25		1108		[Signature]		5/28/25		11:10			
E-mail Address: ON - FILE						[Signature]				5/28/25		1723		[Signature]		5/28/25		1723			
Phone:						Relinquished by:				Date		Time		Received by:		Date		Time			
						[Signature]				5/28/25		1723		[Signature]		5/28/25		1723			
Data Package Options (please check if required)						Relinquished by:				Date		Time		Received by:		Date		Time			
Type I (Validation/non-CLP) ☐				MA MCP ☐		[Signature]				5/28/25		1723		[Signature]		5/28/25		1723			
Type III (Reduced non-CLP) ☐				CT RCP ☐		[Signature]				5/28/25		1723		[Signature]		5/28/25		1723			
Type VI (Raw Data Only) ☐				TX TRRP-13 ☐		[Signature]				5/28/25		1723		[Signature]		5/28/25		1723			
NJ DKQP ☐				NYSDEC Category ☐ A or ☐ B		Relinquished by:				Date		Time		Received by:		Date		Time			
						[Signature]				5/28/25		1723		[Signature]		5/28/25		1723			
EDD Required? Yes ☒ No ☐				If yes, format: _____		CLP Like Deliverables, Project Specific Analyte List				UPS _____		FedEx _____		Other _____		Temperature upon receipt: 33 °C					

Environmental Analysis Request/Chain of Custody



**Lancaster Laboratories
Environmental**

Acct. # _____ Group # _____ Sample # _____

[illegible]

Login Sample Receipt Checklist

Client: Groundwater Sciences Corporation

Job Number: 410-224440-1

Login Number: 224440

List Number: 1

Creator: Foreman, Kai

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	