



ANALYTICAL REPORT

PREPARED FOR

Attn: Christopher O'Neil
Groundwater Sciences Corporation
2550 Interstate Drive
Suite 303
Harrisburg PA 17110

Generated 04/07/2025

JOB DESCRIPTION

TI Area 1 Quarterly Sampling Event

JOB NUMBER

410-214589-1

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
04/07/2025

Authorized for release by
Kelly Gallagher, Project Manager
kelly.gallagher@et.eurofinsus.com
717 205-7820

Table of Contents

Cover Page	1
Data Summaries	4
Definitions	4
Case Narrative	5
Detection Summary	6
Client Sample Results	7
Default Detection Limits	14
Surrogate Summary	15
QC Sample Results	16
QC Association	19
Chronicle	20
Certification Summary	21
Method Summary	22
Sample Summary	23
Manual Integration Summary	24
Reagent Traceability	33
COAs	48
Organic Sample Data	92
GC/MS VOA	92
Method 8260D	92
Method 8260D QC Summary	93
Method 8260D Sample Data	103
Standards Data	169
Method 8260D ICAL Data	169
Method 8260D CCAL Data	437
Raw QC Data	470
Method 8260D Tune Data	470
Method 8260D Blank Data	478
Method 8260D LCS/LCSD Data	487
Method 8260D Run Logs	506
Method 8260D Prep Data	508
Shipping and Receiving Documents	513
Client Chain of Custody	514
Sample Receipt Checklist	516

Definitions/Glossary

Client: Groundwater Sciences Corporation
Project/Site: TI Area 1 Quarterly Sampling Event

Job ID: 410-214589-1

Qualifiers

GC/MS VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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
410-214589-1

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 3/28/2025 4:00 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 3.1°C.

Receipt Exceptions

A trip blank was received in the cooler/package, but not entered with this job. The Trip blank logged in and reported with job number 410-214590.

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. Analyses were listed on COC, but individual samples were not designated for specific analyses. The client provided a revised COC with the missing information on 4/1.

The Chain-of-Custody (COC) was incomplete as received. The COC is missing the number of containers per sample, sample matrix, and sample type (grab or composite). This does not meet regulatory requirements. The client provided a revised COC with the missing information on 4/1.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-626753 recovered above the upper control limit for Chloromethane. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed on 410-626753 is compliant under 8260C/D method criteria for Vinyl chloride. The software does not display the % Drift data to the whole number as is listed in the method (i.e. limit of 20%). When applying the evaluation to a whole number, the check passes the criteria with a value of 20% Drift.

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: TI Area 1 Quarterly Sampling Event

Job ID: 410-214589-1

Client Sample ID: HD-MW-5-0/1-0

Lab Sample ID: 410-214589-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.0		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-6-0/1-0

Lab Sample ID: 410-214589-2

No Detections.

Client Sample ID: HD-MW-88-0/1-0

Lab Sample ID: 410-214589-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.63	J	1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	11		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	1.5		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-101S-0/1-0

Lab Sample ID: 410-214589-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.31	J	1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	3.0		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.50	J	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-101D-0/1-0

Lab Sample ID: 410-214589-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.54	J	1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	7.0		1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	3.1		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	3.4		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-QC1-0/1-3

Lab Sample ID: 410-214589-6

No Detections.

Client Sample ID: HD-QC1-0/1-4

Lab Sample ID: 410-214589-7

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: TI Area 1 Quarterly Sampling Event

Job ID: 410-214589-1

Client Sample ID: HD-MW-5-0/1-0

Lab Sample ID: 410-214589-1

Date Collected: 03/26/25 14:20

Matrix: Water

Date Received: 03/28/25 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			04/05/25 11:01	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			04/05/25 11:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			04/05/25 11:01	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			04/05/25 11:01	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/05/25 11:01	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			04/05/25 11:01	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			04/05/25 11:01	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/05/25 11:01	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			04/05/25 11:01	1
2-Butanone (MEK)	ND		10	0.50	ug/L			04/05/25 11:01	1
2-Hexanone	ND		10	0.85	ug/L			04/05/25 11:01	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			04/05/25 11:01	1
Acetone	ND		20	0.70	ug/L			04/05/25 11:01	1
Benzene	ND		1.0	0.30	ug/L			04/05/25 11:01	1
Bromochloromethane	ND		5.0	0.20	ug/L			04/05/25 11:01	1
Bromodichloromethane	ND		1.0	0.20	ug/L			04/05/25 11:01	1
Bromoform	ND		4.0	1.0	ug/L			04/05/25 11:01	1
Bromomethane	ND		1.0	0.30	ug/L			04/05/25 11:01	1
Carbon disulfide	ND		5.0	0.30	ug/L			04/05/25 11:01	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			04/05/25 11:01	1
Chlorobenzene	ND		1.0	0.30	ug/L			04/05/25 11:01	1
Chloroethane	ND		1.0	0.30	ug/L			04/05/25 11:01	1
Chloroform	ND		1.0	0.30	ug/L			04/05/25 11:01	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			04/05/25 11:01	1
cis-1,2-Dichloroethene	4.0		1.0	0.30	ug/L			04/05/25 11:01	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			04/05/25 11:01	1
Dibromochloromethane	ND		1.0	0.20	ug/L			04/05/25 11:01	1
Ethylbenzene	ND		1.0	0.40	ug/L			04/05/25 11:01	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			04/05/25 11:01	1
Methylene Chloride	ND		1.0	0.30	ug/L			04/05/25 11:01	1
Styrene	ND		5.0	0.30	ug/L			04/05/25 11:01	1
Tetrachloroethene	ND		1.0	0.30	ug/L			04/05/25 11:01	1
Toluene	ND		1.0	0.30	ug/L			04/05/25 11:01	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			04/05/25 11:01	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			04/05/25 11:01	1
Trichloroethene	ND		1.0	0.30	ug/L			04/05/25 11:01	1
Vinyl chloride	ND	^c cn	1.0	0.30	ug/L			04/05/25 11:01	1
Xylenes, Total	ND		1.0	0.40	ug/L			04/05/25 11:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		04/05/25 11:01	1
4-Bromofluorobenzene (Surr)	96		80 - 120		04/05/25 11:01	1
Dibromofluoromethane (Surr)	98		80 - 120		04/05/25 11:01	1
Toluene-d8 (Surr)	101		80 - 120		04/05/25 11:01	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: TI Area 1 Quarterly Sampling Event

Job ID: 410-214589-1

Client Sample ID: HD-MW-6-0/1-0

Lab Sample ID: 410-214589-2

Date Collected: 03/26/25 13:05

Matrix: Water

Date Received: 03/28/25 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			04/05/25 11:21	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			04/05/25 11:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			04/05/25 11:21	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			04/05/25 11:21	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/05/25 11:21	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			04/05/25 11:21	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			04/05/25 11:21	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/05/25 11:21	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			04/05/25 11:21	1
2-Butanone (MEK)	ND		10	0.50	ug/L			04/05/25 11:21	1
2-Hexanone	ND		10	0.85	ug/L			04/05/25 11:21	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			04/05/25 11:21	1
Acetone	ND		20	0.70	ug/L			04/05/25 11:21	1
Benzene	ND		1.0	0.30	ug/L			04/05/25 11:21	1
Bromochloromethane	ND		5.0	0.20	ug/L			04/05/25 11:21	1
Bromodichloromethane	ND		1.0	0.20	ug/L			04/05/25 11:21	1
Bromoform	ND		4.0	1.0	ug/L			04/05/25 11:21	1
Bromomethane	ND		1.0	0.30	ug/L			04/05/25 11:21	1
Carbon disulfide	ND		5.0	0.30	ug/L			04/05/25 11:21	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			04/05/25 11:21	1
Chlorobenzene	ND		1.0	0.30	ug/L			04/05/25 11:21	1
Chloroethane	ND		1.0	0.30	ug/L			04/05/25 11:21	1
Chloroform	ND		1.0	0.30	ug/L			04/05/25 11:21	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			04/05/25 11:21	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/05/25 11:21	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			04/05/25 11:21	1
Dibromochloromethane	ND		1.0	0.20	ug/L			04/05/25 11:21	1
Ethylbenzene	ND		1.0	0.40	ug/L			04/05/25 11:21	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			04/05/25 11:21	1
Methylene Chloride	ND		1.0	0.30	ug/L			04/05/25 11:21	1
Styrene	ND		5.0	0.30	ug/L			04/05/25 11:21	1
Tetrachloroethene	ND		1.0	0.30	ug/L			04/05/25 11:21	1
Toluene	ND		1.0	0.30	ug/L			04/05/25 11:21	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			04/05/25 11:21	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			04/05/25 11:21	1
Trichloroethene	ND		1.0	0.30	ug/L			04/05/25 11:21	1
Vinyl chloride	ND	^c cn	1.0	0.30	ug/L			04/05/25 11:21	1
Xylenes, Total	ND		1.0	0.40	ug/L			04/05/25 11:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		04/05/25 11:21	1
4-Bromofluorobenzene (Surr)	98		80 - 120		04/05/25 11:21	1
Dibromofluoromethane (Surr)	98		80 - 120		04/05/25 11:21	1
Toluene-d8 (Surr)	101		80 - 120		04/05/25 11:21	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: TI Area 1 Quarterly Sampling Event

Job ID: 410-214589-1

Client Sample ID: HD-MW-88-0/1-0

Lab Sample ID: 410-214589-3

Date Collected: 03/26/25 14:30

Matrix: Water

Date Received: 03/28/25 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			04/05/25 11:42	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			04/05/25 11:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			04/05/25 11:42	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			04/05/25 11:42	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/05/25 11:42	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			04/05/25 11:42	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			04/05/25 11:42	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/05/25 11:42	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			04/05/25 11:42	1
2-Butanone (MEK)	ND		10	0.50	ug/L			04/05/25 11:42	1
2-Hexanone	ND		10	0.85	ug/L			04/05/25 11:42	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			04/05/25 11:42	1
Acetone	ND		20	0.70	ug/L			04/05/25 11:42	1
Benzene	ND		1.0	0.30	ug/L			04/05/25 11:42	1
Bromochloromethane	ND		5.0	0.20	ug/L			04/05/25 11:42	1
Bromodichloromethane	ND		1.0	0.20	ug/L			04/05/25 11:42	1
Bromoform	ND		4.0	1.0	ug/L			04/05/25 11:42	1
Bromomethane	ND		1.0	0.30	ug/L			04/05/25 11:42	1
Carbon disulfide	ND		5.0	0.30	ug/L			04/05/25 11:42	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			04/05/25 11:42	1
Chlorobenzene	ND		1.0	0.30	ug/L			04/05/25 11:42	1
Chloroethane	ND		1.0	0.30	ug/L			04/05/25 11:42	1
Chloroform	ND		1.0	0.30	ug/L			04/05/25 11:42	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			04/05/25 11:42	1
cis-1,2-Dichloroethene	0.63	J	1.0	0.30	ug/L			04/05/25 11:42	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			04/05/25 11:42	1
Dibromochloromethane	ND		1.0	0.20	ug/L			04/05/25 11:42	1
Ethylbenzene	ND		1.0	0.40	ug/L			04/05/25 11:42	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			04/05/25 11:42	1
Methylene Chloride	ND		1.0	0.30	ug/L			04/05/25 11:42	1
Styrene	ND		5.0	0.30	ug/L			04/05/25 11:42	1
Tetrachloroethene	11		1.0	0.30	ug/L			04/05/25 11:42	1
Toluene	ND		1.0	0.30	ug/L			04/05/25 11:42	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			04/05/25 11:42	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			04/05/25 11:42	1
Trichloroethene	1.5		1.0	0.30	ug/L			04/05/25 11:42	1
Vinyl chloride	ND	^c cn	1.0	0.30	ug/L			04/05/25 11:42	1
Xylenes, Total	ND		1.0	0.40	ug/L			04/05/25 11:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		04/05/25 11:42	1
4-Bromofluorobenzene (Surr)	97		80 - 120		04/05/25 11:42	1
Dibromofluoromethane (Surr)	99		80 - 120		04/05/25 11:42	1
Toluene-d8 (Surr)	99		80 - 120		04/05/25 11:42	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: TI Area 1 Quarterly Sampling Event

Job ID: 410-214589-1

Client Sample ID: HD-MW-101S-0/1-0

Lab Sample ID: 410-214589-4

Date Collected: 03/26/25 11:43

Matrix: Water

Date Received: 03/28/25 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			04/05/25 12:02	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			04/05/25 12:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			04/05/25 12:02	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			04/05/25 12:02	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/05/25 12:02	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			04/05/25 12:02	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			04/05/25 12:02	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/05/25 12:02	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			04/05/25 12:02	1
2-Butanone (MEK)	ND		10	0.50	ug/L			04/05/25 12:02	1
2-Hexanone	ND		10	0.85	ug/L			04/05/25 12:02	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			04/05/25 12:02	1
Acetone	ND		20	0.70	ug/L			04/05/25 12:02	1
Benzene	ND		1.0	0.30	ug/L			04/05/25 12:02	1
Bromochloromethane	ND		5.0	0.20	ug/L			04/05/25 12:02	1
Bromodichloromethane	ND		1.0	0.20	ug/L			04/05/25 12:02	1
Bromoform	ND		4.0	1.0	ug/L			04/05/25 12:02	1
Bromomethane	ND		1.0	0.30	ug/L			04/05/25 12:02	1
Carbon disulfide	ND		5.0	0.30	ug/L			04/05/25 12:02	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			04/05/25 12:02	1
Chlorobenzene	ND		1.0	0.30	ug/L			04/05/25 12:02	1
Chloroethane	ND		1.0	0.30	ug/L			04/05/25 12:02	1
Chloroform	ND		1.0	0.30	ug/L			04/05/25 12:02	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			04/05/25 12:02	1
cis-1,2-Dichloroethene	0.31	J	1.0	0.30	ug/L			04/05/25 12:02	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			04/05/25 12:02	1
Dibromochloromethane	ND		1.0	0.20	ug/L			04/05/25 12:02	1
Ethylbenzene	ND		1.0	0.40	ug/L			04/05/25 12:02	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			04/05/25 12:02	1
Methylene Chloride	ND		1.0	0.30	ug/L			04/05/25 12:02	1
Styrene	ND		5.0	0.30	ug/L			04/05/25 12:02	1
Tetrachloroethene	3.0		1.0	0.30	ug/L			04/05/25 12:02	1
Toluene	ND		1.0	0.30	ug/L			04/05/25 12:02	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			04/05/25 12:02	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			04/05/25 12:02	1
Trichloroethene	0.50	J	1.0	0.30	ug/L			04/05/25 12:02	1
Vinyl chloride	ND	^c cn	1.0	0.30	ug/L			04/05/25 12:02	1
Xylenes, Total	ND		1.0	0.40	ug/L			04/05/25 12:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120					04/05/25 12:02	1
4-Bromofluorobenzene (Surr)	97		80 - 120					04/05/25 12:02	1
Dibromofluoromethane (Surr)	99		80 - 120					04/05/25 12:02	1
Toluene-d8 (Surr)	101		80 - 120					04/05/25 12:02	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: TI Area 1 Quarterly Sampling Event

Job ID: 410-214589-1

Client Sample ID: HD-MW-101D-0/1-0

Lab Sample ID: 410-214589-5

Date Collected: 03/26/25 10:37

Matrix: Water

Date Received: 03/28/25 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			04/05/25 12:22	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			04/05/25 12:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			04/05/25 12:22	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			04/05/25 12:22	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/05/25 12:22	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			04/05/25 12:22	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			04/05/25 12:22	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/05/25 12:22	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			04/05/25 12:22	1
2-Butanone (MEK)	ND		10	0.50	ug/L			04/05/25 12:22	1
2-Hexanone	ND		10	0.85	ug/L			04/05/25 12:22	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			04/05/25 12:22	1
Acetone	ND		20	0.70	ug/L			04/05/25 12:22	1
Benzene	0.54	J	1.0	0.30	ug/L			04/05/25 12:22	1
Bromochloromethane	ND		5.0	0.20	ug/L			04/05/25 12:22	1
Bromodichloromethane	ND		1.0	0.20	ug/L			04/05/25 12:22	1
Bromoform	ND		4.0	1.0	ug/L			04/05/25 12:22	1
Bromomethane	ND		1.0	0.30	ug/L			04/05/25 12:22	1
Carbon disulfide	ND		5.0	0.30	ug/L			04/05/25 12:22	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			04/05/25 12:22	1
Chlorobenzene	ND		1.0	0.30	ug/L			04/05/25 12:22	1
Chloroethane	ND		1.0	0.30	ug/L			04/05/25 12:22	1
Chloroform	ND		1.0	0.30	ug/L			04/05/25 12:22	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			04/05/25 12:22	1
cis-1,2-Dichloroethene	7.0		1.0	0.30	ug/L			04/05/25 12:22	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			04/05/25 12:22	1
Dibromochloromethane	ND		1.0	0.20	ug/L			04/05/25 12:22	1
Ethylbenzene	ND		1.0	0.40	ug/L			04/05/25 12:22	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			04/05/25 12:22	1
Methylene Chloride	ND		1.0	0.30	ug/L			04/05/25 12:22	1
Styrene	ND		5.0	0.30	ug/L			04/05/25 12:22	1
Tetrachloroethene	3.1		1.0	0.30	ug/L			04/05/25 12:22	1
Toluene	ND		1.0	0.30	ug/L			04/05/25 12:22	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			04/05/25 12:22	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			04/05/25 12:22	1
Trichloroethene	3.4		1.0	0.30	ug/L			04/05/25 12:22	1
Vinyl chloride	ND	^c cn	1.0	0.30	ug/L			04/05/25 12:22	1
Xylenes, Total	ND		1.0	0.40	ug/L			04/05/25 12:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		04/05/25 12:22	1
4-Bromofluorobenzene (Surr)	96		80 - 120		04/05/25 12:22	1
Dibromofluoromethane (Surr)	99		80 - 120		04/05/25 12:22	1
Toluene-d8 (Surr)	100		80 - 120		04/05/25 12:22	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: TI Area 1 Quarterly Sampling Event

Job ID: 410-214589-1

Client Sample ID: HD-QC1-0/1-3

Lab Sample ID: 410-214589-6

Date Collected: 03/26/25 14:35

Matrix: Water

Date Received: 03/28/25 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			04/05/25 12:42	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			04/05/25 12:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			04/05/25 12:42	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			04/05/25 12:42	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/05/25 12:42	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			04/05/25 12:42	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			04/05/25 12:42	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/05/25 12:42	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			04/05/25 12:42	1
2-Butanone (MEK)	ND		10	0.50	ug/L			04/05/25 12:42	1
2-Hexanone	ND		10	0.85	ug/L			04/05/25 12:42	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			04/05/25 12:42	1
Acetone	ND		20	0.70	ug/L			04/05/25 12:42	1
Benzene	ND		1.0	0.30	ug/L			04/05/25 12:42	1
Bromochloromethane	ND		5.0	0.20	ug/L			04/05/25 12:42	1
Bromodichloromethane	ND		1.0	0.20	ug/L			04/05/25 12:42	1
Bromoform	ND		4.0	1.0	ug/L			04/05/25 12:42	1
Bromomethane	ND		1.0	0.30	ug/L			04/05/25 12:42	1
Carbon disulfide	ND		5.0	0.30	ug/L			04/05/25 12:42	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			04/05/25 12:42	1
Chlorobenzene	ND		1.0	0.30	ug/L			04/05/25 12:42	1
Chloroethane	ND		1.0	0.30	ug/L			04/05/25 12:42	1
Chloroform	ND		1.0	0.30	ug/L			04/05/25 12:42	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			04/05/25 12:42	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/05/25 12:42	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			04/05/25 12:42	1
Dibromochloromethane	ND		1.0	0.20	ug/L			04/05/25 12:42	1
Ethylbenzene	ND		1.0	0.40	ug/L			04/05/25 12:42	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			04/05/25 12:42	1
Methylene Chloride	ND		1.0	0.30	ug/L			04/05/25 12:42	1
Styrene	ND		5.0	0.30	ug/L			04/05/25 12:42	1
Tetrachloroethene	ND		1.0	0.30	ug/L			04/05/25 12:42	1
Toluene	ND		1.0	0.30	ug/L			04/05/25 12:42	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			04/05/25 12:42	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			04/05/25 12:42	1
Trichloroethene	ND		1.0	0.30	ug/L			04/05/25 12:42	1
Vinyl chloride	ND	^c cn	1.0	0.30	ug/L			04/05/25 12:42	1
Xylenes, Total	ND		1.0	0.40	ug/L			04/05/25 12:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120					04/05/25 12:42	1
4-Bromofluorobenzene (Surr)	97		80 - 120					04/05/25 12:42	1
Dibromofluoromethane (Surr)	100		80 - 120					04/05/25 12:42	1
Toluene-d8 (Surr)	99		80 - 120					04/05/25 12:42	1

Client Sample Results

Client: Groundwater Sciences Corporation
Project/Site: TI Area 1 Quarterly Sampling Event

Job ID: 410-214589-1

Client Sample ID: HD-QC1-0/1-4

Lab Sample ID: 410-214589-7

Date Collected: 03/26/25 14:05

Matrix: Water

Date Received: 03/28/25 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			04/05/25 13:02	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			04/05/25 13:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			04/05/25 13:02	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			04/05/25 13:02	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/05/25 13:02	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			04/05/25 13:02	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			04/05/25 13:02	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/05/25 13:02	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			04/05/25 13:02	1
2-Butanone (MEK)	ND		10	0.50	ug/L			04/05/25 13:02	1
2-Hexanone	ND		10	0.85	ug/L			04/05/25 13:02	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			04/05/25 13:02	1
Acetone	ND		20	0.70	ug/L			04/05/25 13:02	1
Benzene	ND		1.0	0.30	ug/L			04/05/25 13:02	1
Bromochloromethane	ND		5.0	0.20	ug/L			04/05/25 13:02	1
Bromodichloromethane	ND		1.0	0.20	ug/L			04/05/25 13:02	1
Bromoform	ND		4.0	1.0	ug/L			04/05/25 13:02	1
Bromomethane	ND		1.0	0.30	ug/L			04/05/25 13:02	1
Carbon disulfide	ND		5.0	0.30	ug/L			04/05/25 13:02	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			04/05/25 13:02	1
Chlorobenzene	ND		1.0	0.30	ug/L			04/05/25 13:02	1
Chloroethane	ND		1.0	0.30	ug/L			04/05/25 13:02	1
Chloroform	ND		1.0	0.30	ug/L			04/05/25 13:02	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			04/05/25 13:02	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/05/25 13:02	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			04/05/25 13:02	1
Dibromochloromethane	ND		1.0	0.20	ug/L			04/05/25 13:02	1
Ethylbenzene	ND		1.0	0.40	ug/L			04/05/25 13:02	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			04/05/25 13:02	1
Methylene Chloride	ND		1.0	0.30	ug/L			04/05/25 13:02	1
Styrene	ND		5.0	0.30	ug/L			04/05/25 13:02	1
Tetrachloroethene	ND		1.0	0.30	ug/L			04/05/25 13:02	1
Toluene	ND		1.0	0.30	ug/L			04/05/25 13:02	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			04/05/25 13:02	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			04/05/25 13:02	1
Trichloroethene	ND		1.0	0.30	ug/L			04/05/25 13:02	1
Vinyl chloride	ND	^c cn	1.0	0.30	ug/L			04/05/25 13:02	1
Xylenes, Total	ND		1.0	0.40	ug/L			04/05/25 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		04/05/25 13:02	1
4-Bromofluorobenzene (Surr)	96		80 - 120		04/05/25 13:02	1
Dibromofluoromethane (Surr)	100		80 - 120		04/05/25 13:02	1
Toluene-d8 (Surr)	99		80 - 120		04/05/25 13:02	1

Default Detection Limits

Client: Groundwater Sciences Corporation
Project/Site: TI Area 1 Quarterly Sampling Event

Job ID: 410-214589-1

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

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

Surrogate Summary

Client: Groundwater Sciences Corporation
Project/Site: TI Area 1 Quarterly Sampling Event

Job ID: 410-214589-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA	BFB	DBFM	TOL
		(80-120)	(80-120)	(80-120)	(80-120)
410-214589-1	HD-MW-5-0/1-0	102	96	98	101
410-214589-2	HD-MW-6-0/1-0	103	98	98	101
410-214589-3	HD-MW-88-0/1-0	104	97	99	99
410-214589-4	HD-MW-101S-0/1-0	104	97	99	101
410-214589-5	HD-MW-101D-0/1-0	103	96	99	100
410-214589-6	HD-QC1-0/1-3	104	97	100	99
410-214589-7	HD-QC1-0/1-4	105	96	100	99
LCS 410-626753/4	Lab Control Sample	100	102	99	103
LCSD 410-626753/5	Lab Control Sample Dup	99	101	97	103
MB 410-626753/7	Method Blank	102	97	97	101

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: TI Area 1 Quarterly Sampling Event

Job ID: 410-214589-1

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

Lab Sample ID: MB 410-626753/7

Matrix: Water

Analysis Batch: 626753

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			04/05/25 10:40	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			04/05/25 10:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			04/05/25 10:40	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			04/05/25 10:40	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/05/25 10:40	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			04/05/25 10:40	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			04/05/25 10:40	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/05/25 10:40	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			04/05/25 10:40	1
2-Butanone (MEK)	ND		10	0.50	ug/L			04/05/25 10:40	1
2-Hexanone	ND		10	0.85	ug/L			04/05/25 10:40	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			04/05/25 10:40	1
Acetone	ND		20	0.70	ug/L			04/05/25 10:40	1
Benzene	ND		1.0	0.30	ug/L			04/05/25 10:40	1
Bromochloromethane	ND		5.0	0.20	ug/L			04/05/25 10:40	1
Bromodichloromethane	ND		1.0	0.20	ug/L			04/05/25 10:40	1
Bromoform	ND		4.0	1.0	ug/L			04/05/25 10:40	1
Bromomethane	ND		1.0	0.30	ug/L			04/05/25 10:40	1
Carbon disulfide	ND		5.0	0.30	ug/L			04/05/25 10:40	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			04/05/25 10:40	1
Chlorobenzene	ND		1.0	0.30	ug/L			04/05/25 10:40	1
Chloroethane	ND		1.0	0.30	ug/L			04/05/25 10:40	1
Chloroform	ND		1.0	0.30	ug/L			04/05/25 10:40	1
Chloromethane	ND		2.0	0.55	ug/L			04/05/25 10:40	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/05/25 10:40	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			04/05/25 10:40	1
Dibromochloromethane	ND		1.0	0.20	ug/L			04/05/25 10:40	1
Ethylbenzene	ND		1.0	0.40	ug/L			04/05/25 10:40	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			04/05/25 10:40	1
Methylene Chloride	ND		1.0	0.30	ug/L			04/05/25 10:40	1
Styrene	ND		5.0	0.30	ug/L			04/05/25 10:40	1
Tetrachloroethene	ND		1.0	0.30	ug/L			04/05/25 10:40	1
Toluene	ND		1.0	0.30	ug/L			04/05/25 10:40	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			04/05/25 10:40	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			04/05/25 10:40	1
Trichloroethene	ND		1.0	0.30	ug/L			04/05/25 10:40	1
Vinyl chloride	ND		1.0	0.30	ug/L			04/05/25 10:40	1
Xylenes, Total	ND		1.0	0.40	ug/L			04/05/25 10:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		04/05/25 10:40	1
4-Bromofluorobenzene (Surr)	97		80 - 120		04/05/25 10:40	1
Dibromofluoromethane (Surr)	97		80 - 120		04/05/25 10:40	1
Toluene-d8 (Surr)	101		80 - 120		04/05/25 10:40	1

QC Sample Results

Client: Groundwater Sciences Corporation
Project/Site: TI Area 1 Quarterly Sampling Event

Job ID: 410-214589-1

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

Lab Sample ID: LCS 410-626753/4

Matrix: Water

Analysis Batch: 626753

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.2		ug/L		96	79 - 120
1,1,1-Trichloroethane	20.0	18.9		ug/L		95	73 - 120
1,1,2,2-Tetrachloroethane	20.0	19.4		ug/L		97	72 - 120
1,1,2-Trichloroethane	20.0	19.8		ug/L		99	80 - 120
1,1-Dichloroethane	20.0	20.3		ug/L		101	80 - 120
1,1-Dichloroethene	20.0	18.5		ug/L		93	80 - 131
1,2-Dibromoethane (EDB)	20.0	18.8		ug/L		94	77 - 120
1,2-Dichloroethane	20.0	19.9		ug/L		99	73 - 124
1,2-Dichloropropane	20.0	19.9		ug/L		100	80 - 120
2-Butanone (MEK)	250	266		ug/L		106	59 - 135
2-Hexanone	250	299		ug/L		120	56 - 135
4-Methyl-2-pentanone (MIBK)	250	276		ug/L		111	62 - 133
Acetone	250	280		ug/L		112	57 - 143
Benzene	20.0	18.9		ug/L		95	80 - 120
Bromochloromethane	20.0	19.0		ug/L		95	80 - 120
Bromodichloromethane	20.0	18.0		ug/L		90	71 - 120
Bromoform	20.0	16.7		ug/L		83	51 - 120
Bromomethane	20.0	19.7		ug/L		98	53 - 128
Carbon disulfide	20.0	14.7		ug/L		74	65 - 128
Carbon tetrachloride	20.0	18.1		ug/L		90	64 - 134
Chlorobenzene	20.0	19.1		ug/L		95	80 - 120
Chloroethane	20.0	20.5		ug/L		102	55 - 123
Chloroform	20.0	19.7		ug/L		99	80 - 120
Chloromethane	20.0	22.1		ug/L		110	39 - 134
cis-1,2-Dichloroethene	20.0	19.1		ug/L		96	80 - 125
cis-1,3-Dichloropropene	20.0	17.0		ug/L		85	75 - 120
Dibromochloromethane	20.0	17.6		ug/L		88	71 - 120
Ethylbenzene	20.0	19.4		ug/L		97	80 - 120
Methyl tert-butyl ether	20.0	17.8		ug/L		89	69 - 122
Methylene Chloride	20.0	19.8		ug/L		99	80 - 120
Styrene	20.0	19.3		ug/L		96	80 - 120
Tetrachloroethene	20.0	18.5		ug/L		92	80 - 120
Toluene	20.0	19.2		ug/L		96	80 - 120
trans-1,2-Dichloroethene	20.0	19.2		ug/L		96	80 - 126
trans-1,3-Dichloropropene	20.0	18.2		ug/L		91	67 - 120
Trichloroethene	20.0	18.4		ug/L		92	80 - 120
Vinyl chloride	20.0	20.8		ug/L		104	56 - 120
Xylenes, Total	60.0	57.0		ug/L		95	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
Toluene-d8 (Surr)	103		80 - 120

QC Sample Results

Client: Groundwater Sciences Corporation
Project/Site: TI Area 1 Quarterly Sampling Event

Job ID: 410-214589-1

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

Lab Sample ID: LCSD 410-626753/5

Matrix: Water

Analysis Batch: 626753

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	20.0	19.2		ug/L		96	79 - 120	0	30
1,1,1-Trichloroethane	20.0	18.7		ug/L		94	73 - 120	1	30
1,1,2,2-Tetrachloroethane	20.0	19.4		ug/L		97	72 - 120	0	30
1,1,2-Trichloroethane	20.0	19.7		ug/L		98	80 - 120	1	30
1,1-Dichloroethane	20.0	19.9		ug/L		100	80 - 120	2	30
1,1-Dichloroethene	20.0	18.5		ug/L		93	80 - 131	0	30
1,2-Dibromoethane (EDB)	20.0	18.6		ug/L		93	77 - 120	1	30
1,2-Dichloroethane	20.0	19.6		ug/L		98	73 - 124	1	30
1,2-Dichloropropane	20.0	20.0		ug/L		100	80 - 120	1	30
2-Butanone (MEK)	250	258		ug/L		103	59 - 135	3	30
2-Hexanone	250	290		ug/L		116	56 - 135	3	30
4-Methyl-2-pentanone (MIBK)	250	273		ug/L		109	62 - 133	1	30
Acetone	250	268		ug/L		107	57 - 143	4	30
Benzene	20.0	18.9		ug/L		95	80 - 120	0	30
Bromochloromethane	20.0	18.6		ug/L		93	80 - 120	2	30
Bromodichloromethane	20.0	18.0		ug/L		90	71 - 120	0	30
Bromoform	20.0	16.4		ug/L		82	51 - 120	2	30
Bromomethane	20.0	20.2		ug/L		101	53 - 128	3	30
Carbon disulfide	20.0	14.7		ug/L		73	65 - 128	0	30
Carbon tetrachloride	20.0	18.1		ug/L		91	64 - 134	0	30
Chlorobenzene	20.0	19.2		ug/L		96	80 - 120	0	30
Chloroethane	20.0	20.5		ug/L		103	55 - 123	0	30
Chloroform	20.0	19.3		ug/L		97	80 - 120	2	30
Chloromethane	20.0	19.5		ug/L		98	39 - 134	12	30
cis-1,2-Dichloroethene	20.0	18.9		ug/L		94	80 - 125	1	30
cis-1,3-Dichloropropene	20.0	17.0		ug/L		85	75 - 120	0	30
Dibromochloromethane	20.0	17.4		ug/L		87	71 - 120	1	30
Ethylbenzene	20.0	19.4		ug/L		97	80 - 120	0	30
Methyl tert-butyl ether	20.0	17.5		ug/L		87	69 - 122	2	30
Methylene Chloride	20.0	19.8		ug/L		99	80 - 120	0	30
Styrene	20.0	19.2		ug/L		96	80 - 120	0	30
Tetrachloroethene	20.0	18.3		ug/L		91	80 - 120	1	30
Toluene	20.0	19.4		ug/L		97	80 - 120	1	30
trans-1,2-Dichloroethene	20.0	18.8		ug/L		94	80 - 126	2	30
trans-1,3-Dichloropropene	20.0	18.0		ug/L		90	67 - 120	1	30
Trichloroethene	20.0	18.6		ug/L		93	80 - 120	1	30
Vinyl chloride	20.0	19.5		ug/L		97	56 - 120	6	30
Xylenes, Total	60.0	57.5		ug/L		96	80 - 120	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	97		80 - 120
Toluene-d8 (Surr)	103		80 - 120

QC Association Summary

Client: Groundwater Sciences Corporation
Project/Site: TI Area 1 Quarterly Sampling Event

Job ID: 410-214589-1

GC/MS VOA

Analysis Batch: 626753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-214589-1	HD-MW-5-0/1-0	Total/NA	Water	8260D	
410-214589-2	HD-MW-6-0/1-0	Total/NA	Water	8260D	
410-214589-3	HD-MW-88-0/1-0	Total/NA	Water	8260D	
410-214589-4	HD-MW-101S-0/1-0	Total/NA	Water	8260D	
410-214589-5	HD-MW-101D-0/1-0	Total/NA	Water	8260D	
410-214589-6	HD-QC1-0/1-3	Total/NA	Water	8260D	
410-214589-7	HD-QC1-0/1-4	Total/NA	Water	8260D	
MB 410-626753/7	Method Blank	Total/NA	Water	8260D	
LCS 410-626753/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-626753/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Lab Chronicle

Client: Groundwater Sciences Corporation
Project/Site: TI Area 1 Quarterly Sampling Event

Job ID: 410-214589-1

Client Sample ID: HD-MW-5-0/1-0

Lab Sample ID: 410-214589-1

Date Collected: 03/26/25 14:20

Matrix: Water

Date Received: 03/28/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	626753	TQ4J	ELLE	04/05/25 11:01

Client Sample ID: HD-MW-6-0/1-0

Lab Sample ID: 410-214589-2

Date Collected: 03/26/25 13:05

Matrix: Water

Date Received: 03/28/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	626753	TQ4J	ELLE	04/05/25 11:21

Client Sample ID: HD-MW-88-0/1-0

Lab Sample ID: 410-214589-3

Date Collected: 03/26/25 14:30

Matrix: Water

Date Received: 03/28/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	626753	TQ4J	ELLE	04/05/25 11:42

Client Sample ID: HD-MW-101S-0/1-0

Lab Sample ID: 410-214589-4

Date Collected: 03/26/25 11:43

Matrix: Water

Date Received: 03/28/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	626753	TQ4J	ELLE	04/05/25 12:02

Client Sample ID: HD-MW-101D-0/1-0

Lab Sample ID: 410-214589-5

Date Collected: 03/26/25 10:37

Matrix: Water

Date Received: 03/28/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	626753	TQ4J	ELLE	04/05/25 12:22

Client Sample ID: HD-QC1-0/1-3

Lab Sample ID: 410-214589-6

Date Collected: 03/26/25 14:35

Matrix: Water

Date Received: 03/28/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	626753	TQ4J	ELLE	04/05/25 12:42

Client Sample ID: HD-QC1-0/1-4

Lab Sample ID: 410-214589-7

Date Collected: 03/26/25 14:05

Matrix: Water

Date Received: 03/28/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	626753	TQ4J	ELLE	04/05/25 13:02

Laboratory References:

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Accreditation/Certification Summary

Client: Groundwater Sciences Corporation
Project/Site: TI Area 1 Quarterly Sampling Event

Job ID: 410-214589-1

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: TI Area 1 Quarterly Sampling Event

Job ID: 410-214589-1

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: TI Area 1 Quarterly Sampling Event

Job ID: 410-214589-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-214589-1	HD-MW-5-0/1-0	Water	03/26/25 14:20	03/28/25 16:00
410-214589-2	HD-MW-6-0/1-0	Water	03/26/25 13:05	03/28/25 16:00
410-214589-3	HD-MW-88-0/1-0	Water	03/26/25 14:30	03/28/25 16:00
410-214589-4	HD-MW-101S-0/1-0	Water	03/26/25 11:43	03/28/25 16:00
410-214589-5	HD-MW-101D-0/1-0	Water	03/26/25 10:37	03/28/25 16:00
410-214589-6	HD-QC1-0/1-3	Water	03/26/25 14:35	03/28/25 16:00
410-214589-7	HD-QC1-0/1-4	Water	03/26/25 14:05	03/28/25 16:00

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-214589-1

SDG No.:

Instrument ID: 7159

Analysis Batch Number: 624120

Lab Sample ID: IC 410-624120/12

Client Sample ID:

Date Analyzed: 03/31/25 14:42

Lab File ID: NM31X12.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	2.29	Peak assignment corrected	UKAD	03/31/25 17:36
Chloroethane	2.87	Incomplete Integration	UKAD	03/31/25 18:38
Trichlorofluoromethane	3.23	Incomplete Integration	UKAD	03/31/25 18:38
n-Pentane	3.25	Incomplete Integration	UKAD	03/31/25 18:38
Ethanol	3.34	Incomplete Integration	UKAD	03/31/25 18:46
Freon 123a	3.60	Incomplete Integration	UKAD	03/31/25 18:38
1,1-Dichloroethene	3.85	Incomplete Integration	UKAD	03/31/25 18:39
Freon 113	3.90	Incomplete Integration	UKAD	03/31/25 18:39
Methyl iodide	4.05	Incomplete Integration	UKAD	03/31/25 18:39
2-Propanol	4.14	Incomplete Integration	UKAD	03/31/25 18:39
Carbon disulfide	4.21	Incomplete Integration	UKAD	03/31/25 18:39
Methyl acetate	4.34	Incomplete Integration	UKAD	03/31/25 18:39
Allyl chloride	4.36	Incomplete Integration	UKAD	03/31/25 18:39
Methylene Chloride	4.60	Incomplete Integration	UKAD	03/31/25 18:39
t-Butyl alcohol	4.76	Incomplete Integration	UKAD	03/31/25 18:40
Acrylonitrile	4.97	Incomplete Integration	UKAD	03/31/25 18:40
Methyl tert-butyl ether	5.00	Incomplete Integration	UKAD	03/31/25 18:40
trans-1,2-Dichloroethene	5.01	Incomplete Integration	UKAD	03/31/25 18:40
n-Hexane	5.42	Incomplete Integration	UKAD	03/31/25 18:40
1,1-Dichloroethane	5.68	Incomplete Integration	UKAD	03/31/25 18:40
Ethyl t-butyl ether	6.26	Incomplete Integration	UKAD	03/31/25 18:40
cis-1,2-Dichloroethene	6.51	Peak assignment corrected	UKAD	03/31/25 18:40
2,2-Dichloropropane	6.53	Peak assignment corrected	UKAD	03/31/25 18:40
Propionitrile	6.60	Peak assignment corrected	UKAD	03/31/25 18:40
Methacrylonitrile	6.80	Assign Peak	UKAD	03/31/25 18:41
Bromochloromethane	6.83	Peak assignment corrected	UKAD	03/31/25 18:40
1,1,1-Trichloroethane	7.20	Peak assignment corrected	UKAD	03/31/25 18:41
1,1-Dichloropropene	7.41	Incomplete Integration	UKAD	03/31/25 18:41
Carbon tetrachloride	7.41	Incomplete Integration	UKAD	03/31/25 18:41

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-214589-1

SDG No.:

Instrument ID: 7159

Analysis Batch Number: 624120

Lab Sample ID: IC 410-624120/12

Client Sample ID:

Date Analyzed: 03/31/25 14:42

Lab File ID: NM31X12.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	7.57	Assign Peak	UKAD	03/31/25 18:41
t-Amyl methyl ether	7.85	Assign Peak	UKAD	03/31/25 18:41
n-Butanol	8.46	Incomplete Integration	UKAD	03/31/25 18:57
Trichloroethene	8.55	Assign Peak	UKAD	03/31/25 18:41
1,2-Dichloropropane	8.88	Incomplete Integration	UKAD	03/31/25 18:42
1,4-Dioxane	8.98	Assign Peak	UKAD	03/31/25 18:42
Bromodichloromethane	9.22	Incomplete Integration	UKAD	03/31/25 18:42
Tetrachloroethene	10.60	Incomplete Integration	UKAD	03/31/25 18:42
1,4-Dichlorobenzene	13.26	Peak assignment corrected	UKAD	03/31/25 18:43
n-Butylbenzene	13.48	Peak assignment corrected	UKAD	03/31/25 18:43
1,2-Dibromo-3-Chloropropane	14.06	Incomplete Integration	UKAD	03/31/25 18:43
Hexachlorobutadiene	14.68	Incomplete Integration	UKAD	03/31/25 18:43

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-214589-1

SDG No.:

Instrument ID: 7159

Analysis Batch Number: 624120

Lab Sample ID: IC 410-624120/13

Client Sample ID:

Date Analyzed: 03/31/25 15:02

Lab File ID: NM31X13.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	3.38	Incomplete Integration	UKAD	03/31/25 18:45
Freon 123a	3.61	Incomplete Integration	UKAD	03/31/25 18:35
1,1-Dichloroethene	3.85	Incomplete Integration	UKAD	03/31/25 18:35
Freon 113	3.87	Incomplete Integration	UKAD	03/31/25 18:35
Carbon disulfide	4.18	Incomplete Integration	UKAD	03/31/25 18:35
Allyl chloride	4.36	Incomplete Integration	UKAD	03/31/25 18:36
Methylene Chloride	4.59	Incomplete Integration	UKAD	03/31/25 18:36
t-Butyl alcohol	4.75	Incomplete Integration	UKAD	03/31/25 18:36
Methyl tert-butyl ether	4.99	Incomplete Integration	UKAD	03/31/25 18:36
trans-1,2-Dichloroethene	4.99	Incomplete Integration	UKAD	03/31/25 18:36
n-Hexane	5.42	Incomplete Integration	UKAD	03/31/25 18:36
Ethyl t-butyl ether	6.26	Incomplete Integration	UKAD	03/31/25 18:36
cis-1,2-Dichloroethene	6.50	Peak assignment corrected	UKAD	03/31/25 18:36
Propionitrile	6.58	Peak assignment corrected	UKAD	03/31/25 18:36
Methacrylonitrile	6.79	Incomplete Integration	UKAD	03/31/25 18:37
Bromochloromethane	6.82	Peak assignment corrected	UKAD	03/31/25 18:37
Isobutyl alcohol	7.58	Peak assignment corrected	UKAD	03/31/25 18:37
1,2-Dichloroethane-d4 (Surr)	7.65	Incomplete Integration	UKAD	03/31/25 18:37
t-Amyl methyl ether	7.86	Incomplete Integration	UKAD	03/31/25 18:37
Trichloroethene	8.53	Incomplete Integration	UKAD	03/31/25 18:37
1,2-Dichloropropane	8.87	Incomplete Integration	UKAD	03/31/25 18:37
1,4-Dichlorobenzene	13.26	Peak assignment corrected	UKAD	03/31/25 18:37
n-Butylbenzene	13.49	Peak assignment corrected	UKAD	03/31/25 18:38

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-214589-1

SDG No.:

Instrument ID: 7159

Analysis Batch Number: 624120

Lab Sample ID: IC 410-624120/14

Client Sample ID:

Date Analyzed: 03/31/25 15:23

Lab File ID: NM31X14.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	3.22	Incomplete Integration	UKAD	03/31/25 18:33
1,1-Dichloroethene	3.85	Assign Peak	UKAD	03/31/25 18:33
Methyl iodide	4.06	Incomplete Integration	UKAD	03/31/25 18:33
Methylene Chloride	4.59	Assign Peak	UKAD	03/31/25 18:33
t-Butyl alcohol	4.77	Assign Peak	UKAD	03/31/25 18:34
n-Hexane	5.42	Incomplete Integration	UKAD	03/31/25 18:34
2-Chloro-1,3-butadiene	5.77	Peak assignment corrected	UKAD	03/31/25 18:34
Ethyl t-butyl ether	6.26	Incomplete Integration	UKAD	03/31/25 18:34
2-Butanone (MEK)	6.49	Peak assignment corrected	UKAD	03/31/25 18:34
Methacrylonitrile	6.79	Peak assignment corrected	UKAD	03/31/25 18:34
Styrene	11.96	Peak assignment corrected	UKAD	03/31/25 18:35
n-Butylbenzene	13.48	Peak assignment corrected	UKAD	03/31/25 19:06

Lab Sample ID: IC 410-624120/15

Client Sample ID:

Date Analyzed: 03/31/25 15:43

Lab File ID: NM31X15.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	3.39	Incomplete Integration	UKAD	03/31/25 18:30
1,1-Dichloroethene	3.83	Incomplete Integration	UKAD	03/31/25 18:31
Allyl chloride	4.36	Peak assignment corrected	UKAD	03/31/25 18:31
Ethyl t-butyl ether	6.26	Incomplete Integration	UKAD	03/31/25 18:31
2,2-Dichloropropane	6.52	Peak assignment corrected	UKAD	03/31/25 18:31
Methacrylonitrile	6.78	Peak assignment corrected	UKAD	03/31/25 18:31
1,2-Dichloroethane-d4 (Surr)	7.65	Incomplete Integration	UKAD	03/31/25 18:31
2-Nitropropane	9.48	Incomplete Integration	UKAD	03/31/25 19:01
1,2,3-Trichloropropane	12.53	Peak assignment corrected	UKAD	03/31/25 18:32
n-Butylbenzene	13.48	Peak assignment corrected	UKAD	03/31/25 18:32

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-214589-1

SDG No.:

Instrument ID: 7159

Analysis Batch Number: 624120

Lab Sample ID: ICIS 410-624120/16

Client Sample ID:

Date Analyzed: 03/31/25 16:03

Lab File ID: NM31X16.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethene	3.84	Incomplete Integration	UKAD	03/31/25 18:28
t-Butyl alcohol	4.77	Incomplete Integration	UKAD	03/31/25 18:29
Methacrylonitrile	6.79	Peak assignment corrected	UKAD	03/31/25 18:29
1,2-Dichloroethane-d4 (Surr)	7.64	Incomplete Integration	UKAD	03/31/25 18:29
n-Butylbenzene	13.48	Peak assignment corrected	UKAD	03/31/25 18:30

Lab Sample ID: IC 410-624120/17

Client Sample ID:

Date Analyzed: 03/31/25 16:24

Lab File ID: NM31X17.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethene	3.84	Incomplete Integration	UKAD	03/31/25 18:27
Methylene Chloride	4.59	Incomplete Integration	UKAD	03/31/25 18:27
2-Nitropropane	9.48	Incomplete Integration	UKAD	03/31/25 20:58
1,2,3-Trichloropropane	12.53	Peak assignment corrected	UKAD	03/31/25 18:27
n-Butylbenzene	13.49	Peak assignment corrected	UKAD	03/31/25 18:28

Lab Sample ID: IC 410-624120/18

Client Sample ID:

Date Analyzed: 03/31/25 16:43

Lab File ID: NM31X18.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	4.59	Incomplete Integration	UKAD	03/31/25 18:25
2-Nitropropane	9.49	Incomplete Integration	UKAD	03/31/25 19:00
n-Butylbenzene	13.49	Peak assignment corrected	UKAD	03/31/25 18:26

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-214589-1

SDG No.:

Instrument ID: 7159

Analysis Batch Number: 624120

Lab Sample ID: ICV 410-624120/20

Client Sample ID:

Date Analyzed: 03/31/25 17:24

Lab File ID: NM31X20.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethene	3.84	Incomplete Integration	UKAD	03/31/25 19:11
Methyl iodide	4.06	Assign Peak	UKAD	03/31/25 19:11
Methylene Chloride	4.59	Assign Peak	UKAD	03/31/25 19:11
t-Butyl alcohol	4.76	Incomplete Integration	UKAD	03/31/25 19:11
trans-1,2-Dichloroethene	4.99	Incomplete Integration	UKAD	03/31/25 19:12
1,1-Dichloroethane	5.67	Assign Peak	UKAD	03/31/25 19:12
2,2-Dichloropropane	6.53	Peak assignment corrected	UKAD	03/31/25 19:12
Methacrylonitrile	6.79	Peak assignment corrected	UKAD	03/31/25 19:12
n-Butylbenzene	13.48	Peak assignment corrected	UKAD	03/31/25 19:13

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-214589-1

SDG No.:

Instrument ID: 7159

Analysis Batch Number: 626753

Lab Sample ID: CCVIS 410-626753/3

Client Sample ID:

Date Analyzed: 04/05/25 09:19

Lab File ID: NA05X02.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethene	3.83	Incomplete Integration	TQ4J	04/05/25 09:57
Methyl iodide	4.06	Incomplete Integration	TQ4J	04/05/25 09:58
Allyl chloride	4.36	Incomplete Integration	TQ4J	04/05/25 09:58
Methylene Chloride	4.58	Peak assignment corrected	TQ4J	04/05/25 09:58
n-Hexane	5.41	Incomplete Integration	TQ4J	04/05/25 09:58
2,2-Dichloropropane	6.52	Peak assignment corrected	TQ4J	04/05/25 09:59
Propionitrile	6.58	Peak assignment corrected	TQ4J	04/05/25 09:59
Methacrylonitrile	6.78	Peak assignment corrected	TQ4J	04/05/25 09:59
n-Butylbenzene	13.48	Peak assignment corrected	TQ4J	04/05/25 09:59

Lab Sample ID: LCS 410-626753/4

Client Sample ID:

Date Analyzed: 04/05/25 09:39

Lab File ID: NA05X03.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethene	3.83	Incomplete Integration	TQ4J	04/05/25 10:20
Methylene Chloride	4.58	Incomplete Integration	TQ4J	04/05/25 10:21

Lab Sample ID: LCSD 410-626753/5

Client Sample ID:

Date Analyzed: 04/05/25 09:59

Lab File ID: NA05X04.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethene	3.83	Incomplete Integration	TQ4J	04/05/25 10:25
Methylene Chloride	4.59	Incomplete Integration	TQ4J	04/05/25 10:25
Chloroform	6.98	Peak assignment corrected	TQ4J	04/05/25 10:26

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-214589-1

SDG No.:

Instrument ID: 7159

Analysis Batch Number: 626753

Lab Sample ID: 410-214589-1

Client Sample ID: HD-MW-5-0/1-0

Date Analyzed: 04/05/25 11:01

Lab File ID: NA05X07.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	6.50	Assign Peak	Y6ZN	04/06/25 21:05
1,2-Dichloroethane-d4 (Surr)	7.64	Incomplete Integration	Y6ZN	04/06/25 21:05

Lab Sample ID: 410-214589-3

Client Sample ID: HD-MW-88-0/1-0

Date Analyzed: 04/05/25 11:42

Lab File ID: NA05X09.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethane	5.66	Assign Peak	Y6ZN	04/06/25 21:06
cis-1,2-Dichloroethene	6.49	Assign Peak	Y6ZN	04/06/25 21:06
1,2-Dichloroethane-d4 (Surr)	7.64	Incomplete Integration	Y6ZN	04/06/25 21:06
Trichloroethene	8.54	Assign Peak	Y6ZN	04/06/25 21:06

Lab Sample ID: 410-214589-4

Client Sample ID: HD-MW-101S-0/1-0

Date Analyzed: 04/05/25 12:02

Lab File ID: NA05X10.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	6.50	Assign Peak	Y6ZN	04/06/25 21:07
Chloroform	6.97	Assign Peak	Y6ZN	04/06/25 21:07
Trichloroethene	8.53	Assign Peak	Y6ZN	04/06/25 21:07

Lab Sample ID: 410-214589-5

Client Sample ID: HD-MW-101D-0/1-0

Date Analyzed: 04/05/25 12:22

Lab File ID: NA05X11.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroform	6.98	Assign Peak	Y6ZN	04/06/25 21:08
Benzene	7.68	Incomplete Integration	Y6ZN	04/06/25 21:08
Trichloroethene	8.54	Assign Peak	Y6ZN	04/06/25 21:08

8260D

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-214589-1

SDG No.:

Instrument ID: 7159

Analysis Batch Number: 626753

Lab Sample ID: 410-214589-7

Client Sample ID: HD-QC1-0/1-4

Date Analyzed: 04/05/25 13:02

Lab File ID: NA05X13.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toluene	10.08	Incomplete Integration	Y6ZN	04/06/25 21:09

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-214589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_4ppbEtOH_00749	04/01/25	03/31/25	DI Water, Lot DI 25090	1000 mL	MSV_CCV_2CEVE_00221	4 uL	2-Chloroethyl vinyl ether	4 ug/L
					MSV_CCV_CYC_00011	32 uL	Cyclohexanone	199.982 ug/L
					MSV_CCV_ETOH_00009	20 uL	Ethanol	250 ug/L
					MSV_CCV_GASES_00998	2 uL	1,2-Dichloro-1,1,2-trifluoroethane	4 ug/L
							Bromomethane	4 ug/L
							Butadiene	4 ug/L
							Chloroethane	4 ug/L
							Chloromethane	4 ug/L
							Dichlorodifluoromethane	4 ug/L
							Dichlorofluoromethane	4 ug/L
							Trichlorofluoromethane	4 ug/L
							Vinyl chloride	4 ug/L
					MSV_CCV_OH_Sp_00020	4 uL	2-Ethylhexyl acrylate	3.99789 ug/L
							n-Butyl acrylate	3.99833 ug/L
							Ethyl acrylate	4.00142 ug/L
							Methyl acrylate	4.00074 ug/L
					MSV_CCV_VOC#1_00229	4 uL	1,1,1,2-Tetrachloroethane	4 ug/L
							1,1,1-Trichloroethane	4 ug/L
							1,1,2,2-Tetrachloroethane	4 ug/L
							1,1,2-Trichloroethane	4 ug/L
							1,1-Dichloroethane	4 ug/L
							1,1-Dichloroethene	4 ug/L
							1,1-Dichloropropene	4 ug/L
							1,2,3-Trichlorobenzene	4 ug/L
							1,2,3-Trichloropropane	4 ug/L
							1,2,4-Trichlorobenzene	4 ug/L
							1,2,4-Trimethylbenzene	4 ug/L
							1,2-Dibromo-3-Chloropropane	4 ug/L
							1,2-Dibromoethane (EDB)	4 ug/L
							1,2-Dichlorobenzene	4 ug/L
							1,2-Dichloroethane	4 ug/L
							1,2-Dichloropropane	4 ug/L
							1,3,5-Trimethylbenzene	4 ug/L
							1,3-Dichlorobenzene	4 ug/L
							1,3-Dichloropropane	4 ug/L
							1,4-Dichlorobenzene	4 ug/L
							2,2-Dichloropropane	4 ug/L
							2-Chlorotoluene	4 ug/L
							4-Chlorotoluene	4 ug/L
							4-Isopropyltoluene	4 ug/L
							Benzene	4 ug/L
							Bromobenzene	4 ug/L
							Bromochloromethane	4 ug/L
							Bromodichloromethane	4 ug/L
							Bromoform	4 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-214589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	4 ug/L
							Chlorobenzene	4 ug/L
							Chloroform	4 ug/L
							cis-1,2-Dichloroethene	4 ug/L
							cis-1,3-Dichloropropene	4 ug/L
							Dibromochloromethane	4 ug/L
							Dibromomethane	4 ug/L
							Ethylbenzene	4 ug/L
							Hexachlorobutadiene	4 ug/L
							Isopropylbenzene	4 ug/L
							m-Xylene & p-Xylene	8 ug/L
							Methylene Chloride	4 ug/L
							n-Butylbenzene	4 ug/L
							N-Propylbenzene	4 ug/L
							Naphthalene	4 ug/L
							o-Xylene	4 ug/L
							sec-Butylbenzene	4 ug/L
							Styrene	4 ug/L
							tert-Butylbenzene	4 ug/L
							Tetrachloroethene	4 ug/L
							Toluene	4 ug/L
							trans-1,2-Dichloroethene	4 ug/L
							trans-1,3-Dichloropropene	4 ug/L
							Trichloroethene	4 ug/L
							1,1,2-Trichloro-1,2,2-trifluoroethane	4 ug/L
							1,2,3-Trimethylbenzene	4 ug/L
							1,3,5-Trichlorobenzene	4 ug/L
							1,3-Diethylbenzene	4 ug/L
							1,4-Dioxane	50 ug/L
							1-Chlorohexane	4 ug/L
							2-Chloro-1,3-butadiene	4 ug/L
							2-ethoxy-2-methyl butane	4 ug/L
							2-Methyl-2-propanol	20 ug/L
							2-Methylnaphthalene	4 ug/L
							2-Nitropropane	20 ug/L
							3-Chloro-1-propene	4 ug/L
							Acrylonitrile	10 ug/L
							Benzyl chloride	4 ug/L
							Carbon disulfide	4 ug/L
							Cyclohexane	4 ug/L
							Ethyl methacrylate	4 ug/L
							Hexane	4 ug/L
							Iodomethane	4 ug/L
							Isobutyl alcohol	50 ug/L
							Isopropyl alcohol	20 ug/L
							Isopropyl ether	4 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-214589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methacrylonitrile	10 ug/L
							Methyl acetate	4 ug/L
							Methyl methacrylate	4 ug/L
							Methyl tert-butyl ether	4 ug/L
							Methylcyclohexane	4 ug/L
							n-Butanol	50 ug/L
							n-Heptane	4 ug/L
							o-diethylbenzene	4 ug/L
							p-Diethylbenzene	4 ug/L
							Pentane	4 ug/L
							Propionitrile	20 ug/L
							Tert-amyl methyl ether	4 ug/L
							Tert-butyl ethyl ether	4 ug/L
							Tetrahydrofuran	20 ug/L
							trans-1,4-Dichloro-2-butene	10 ug/L
					MSV_CCV_VOC#3_00230	3.2 uL	Acrolein	39.0326 ug/L
							2-Butanone (MEK)	8 ug/L
							2-Hexanone	8 ug/L
							4-Methyl-2-pentanone (MIBK)	8 ug/L
							Acetone	8 ug/L
.MSV_CCV_2CEVE_00221	04/30/25	03/31/25	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00228	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00228	05/31/27		Restek, Lot A0211425		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_CYC_00011	06/13/25	12/13/24	50/50 MeOH/Water, Lot EH471	200 mL	MSV_VCYC_STK_00014	8.884 mL	Cyclohexanone	6249.45 ug/mL
..MSV_VCYC_STK_00014	06/13/25	12/13/24	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00010	1.4069 g	Cyclohexanone	140690 ug/mL
...MSV_CYC_00010	06/30/27		Chem Service, Lot 15471000		(Purchased Reagent)		Cyclohexanone	1 g/g
.MSV_CCV_ETOH_00009	09/11/25	03/11/25	Methanol, Lot EH471	200 mL	MSV_VETOH_STK_00017	8.43 mL	Ethanol	12500 ug/mL
..MSV_VETOH_STK_00017	09/11/25	03/11/25	Methanol, Lot EH471	10 mL	MSV_EtOH_00050	2.9656 g	Ethanol	296560 ug/mL
...MSV_EtOH_00050	01/31/30		Chem Service, Lot 15122500		(Purchased Reagent)		Ethanol	1 g/g
.MSV_CCV_GASES_00998	04/07/25		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_CCV_OH_Sp_00020	04/16/25	03/17/25	Methanol, Lot EH822	1 mL	MSV_V_Acr_Std_00009	200 uL	2-Ethylhexyl acrylate	999.472 ug/mL
							n-Butyl acrylate	999.582 ug/mL
							Ethyl acrylate	1000.35 ug/mL
							Methyl acrylate	1000.19 ug/mL
..MSV_V_Acr_Std_00009	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_MStk_2E6A_00005	0.887 mL	2-Ethylhexyl acrylate	4997.36 ug/mL
					MSV_MStk_BAcr_00006	1.004 mL	n-Butyl acrylate	4997.91 ug/mL
					MSV_MStk_EtAc_00005	1.007 mL	Ethyl acrylate	5001.77 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-214589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
...MSV_MStk_2E6A_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_MStk_MACr_00005	0.904 mL	Methyl acrylate	5000.93 ug/mL
...MSV_2Eth6Acry_00001	02/28/28		Sigma Aldrich, Lot MKCN1302		MSV_2Eth6Acry_00001	0.5634 g	2-Ethylhexyl acrylate	56340 ug/mL
...MSV_MStk_BAcry_00006	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	(Purchased Reagent)		2-Ethylhexyl acrylate	1 g/g
...MSV_nButylAcry_00006	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_nButylAcry_00006	0.4978 g	n-Butyl acrylate	49780 ug/mL
...MSV_MStk_EtAc_00005	01/31/26		Chem Service, Lot 14061100		(Purchased Reagent)		n-Butyl acrylate	1 g/g
...MSV_MStk_EtAc_00005	01/31/26	01/07/25	Methanol, Lot EH471	10 mL	MSV_EthylAcry_00004	0.4967 g	Ethyl acrylate	49670 ug/mL
...MSV_EthylAcry_00004	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	(Purchased Reagent)		Ethyl acrylate	1 g/g
...MSV_MStk_MACr_00005	03/31/26		Chem Service, Lot 15464400		MSV_MethylAcry_00004	0.5532 g	Methyl acrylate	55320 ug/mL
...MSV_MethylAcry_00004	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	(Purchased Reagent)		Methyl acrylate	1 g/g
...MSV_MethylAcry_00004	01/31/26		Chem Service, Lot 14862200		MSV_MegaMIX#1_00228	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
.MSV_CCV_VOC#1_00229	04/30/25	03/31/25	Methanol, Lot EH471	5 mL			1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,1-Dichloropropene	1000 ug/mL
							1,2,3-Trichlorobenzene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-214589-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-214589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							p-Diethylbenzene	1000 ug/mL
							Pentane	1000 ug/mL
							Propionitrile	5000 ug/mL
							Tert-amyl methyl ether	1000 ug/mL
							Tert-butyl ethyl ether	1000 ug/mL
							Tetrahydrofuran	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
..MSV_MegaMIX#1_00228	04/30/25		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
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dibromoethane (EDB)	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-214589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m-Xylene & p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
..MSV_MegaMix#2_00225	04/30/25		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
							1,3-Diethylbenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-ethoxy-2-methyl butane	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Methylnaphthalene	5000 ug/mL
							2-Nitropropane	25000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Acrylonitrile	12500 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Hexane	5000 ug/mL
							Iodomethane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl alcohol	25000 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							o-diethylbenzene	5000 ug/mL
							p-Diethylbenzene	5000 ug/mL
							Pentane	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-214589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
.MSV_CCV_VOC#3_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
..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_CCV_2CEVE_00221	04/30/25	03/31/25	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00228	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
.MSV_V_2CLEVE_00228	05/31/27		Restek, Lot A0211425		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
MSV_CCV_CYC_00011	06/13/25	12/13/24	50/50 MeOH/Water, Lot EH471	200 mL	MSV_VCYC_STK_00014	8.884 mL	Cyclohexanone	6249.45 ug/mL
.MSV_VCYC_STK_00014	06/13/25	12/13/24	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00010	1.4069 g	Cyclohexanone	140690 ug/mL
..MSV_CYC_00010	06/30/27		Chem Service, Lot 15471000		(Purchased Reagent)		Cyclohexanone	1 g/g
MSV_CCV_ETOH_00009	09/11/25	03/11/25	Methanol, Lot EH471	200 mL	MSV_VETOH_STK_00017	8.43 mL	Ethanol	12500 ug/mL
.MSV_VETOH_STK_00017	09/11/25	03/11/25	Methanol, Lot EH471	10 mL	MSV_EtOH_00050	2.9656 g	Ethanol	296560 ug/mL
..MSV_EtOH_00050	01/31/30		Chem Service, Lot 15122500		(Purchased Reagent)		Ethanol	1 g/g
MSV_CCV_GASES_00997	04/08/25		Restek, Lot A0212054		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_CCV_GASES_00998	04/07/25		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_CCV_OH_Sp_00020	04/16/25	03/17/25	Methanol, Lot EH822	1 mL	MSV_V_Acr_Std_00009	200 uL	2-Ethylhexyl acrylate	999.472 ug/mL
							n-Butyl acrylate	999.582 ug/mL
							Ethyl acrylate	1000.35 ug/mL
							Methyl acrylate	1000.19 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-214589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSV_V_Acr_Std_00009	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_MStk_2E6A_00005	0.887 mL	2-Ethylhexyl acrylate	4997.36 ug/mL
					MSV_MStk_BAc_00006	1.004 mL	n-Butyl acrylate	4997.91 ug/mL
					MSV_MStk_EtAc_00005	1.007 mL	Ethyl acrylate	5001.77 ug/mL
					MSV_MStk_MAc_00005	0.904 mL	Methyl acrylate	5000.93 ug/mL
..MSV_MStk_2E6A_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_2Eth6Acry_00001	0.5634 g	2-Ethylhexyl acrylate	56340 ug/mL
...MSV_2Eth6Acry_00001	02/28/28		Sigma Aldrich, Lot MKCN1302		(Purchased Reagent)		2-Ethylhexyl acrylate	1 g/g
..MSV_MStk_BAc_00006	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_nButylAcr_00006	0.4978 g	n-Butyl acrylate	49780 ug/mL
...MSV_nButylAcr_00006	01/31/26		Chem Service, Lot 14061100		(Purchased Reagent)		n-Butyl acrylate	1 g/g
..MSV_MStk_EtAc_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_EthylAcr_00004	0.4967 g	Ethyl acrylate	49670 ug/mL
...MSV_EthylAcr_00004	03/31/26		Chem Service, Lot 15464400		(Purchased Reagent)		Ethyl acrylate	1 g/g
..MSV_MStk_MAc_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_MethylAcr_00004	0.5532 g	Methyl acrylate	55320 ug/mL
...MSV_MethylAcr_00004	01/31/26		Chem Service, Lot 14862200		(Purchased Reagent)		Methyl acrylate	1 g/g
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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-214589-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-214589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butanol	12500 ug/mL
							n-Heptane	1000 ug/mL
							o-diethylbenzene	1000 ug/mL
							p-Diethylbenzene	1000 ug/mL
							Pentane	1000 ug/mL
							Propionitrile	5000 ug/mL
							Tert-amyl methyl ether	1000 ug/mL
							Tert-butyl ethyl ether	1000 ug/mL
							Tetrahydrofuran	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
.MSV_MegaMIX#1_00228	04/30/25	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-214589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m-Xylene & p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
.MSV_MegaMix#2_00225	04/30/25		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
							1,3-Diethylbenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-ethoxy-2-methyl butane	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Methylnaphthalene	5000 ug/mL
							2-Nitropropane	25000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Acrylonitrile	12500 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Hexane	5000 ug/mL
							Iodomethane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl alcohol	25000 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-214589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o-diethylbenzene	5000 ug/mL
							p-Diethylbenzene	5000 ug/mL
							Pentane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
MSV_CCV_VOC#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
.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_Cent_ISSS_00035	07/30/25	01/30/25	Methanol, Lot EH822-US	50 mL	MSV_8260_SS_01374	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_00702	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_01374	07/30/25		Restek, Lot A0213335		(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_00702	07/30/26		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_LCS_Gases_00244	04/07/25	03/31/25	Methanol, Lot EH471	25 mL	MSV_QC_2K_GAS_00296	0.5 mL	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_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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-214589-1

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	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
					MSV_Q_Ketones_00257	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_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
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-214589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							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
.MSV_M_MIX2SEC_00258	05/31/27		Restek, Lot A0212017		(Purchased Reagent)		Trichloroethene	1000 ug/mL
.MSV_Q_Ketones_00257	04/30/27		Restek, Lot A0209876		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
							2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
MSV_QC_2K_GAS_00292	05/10/25		Restek, Lot A0211460		(Purchased Reagent)		4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
							Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
MSV_V_BFB_00018							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							divinyl benzene	
							Tentatively Identified Compound	
							Total BTEX	
							Total Diethylbenzene	
.MSV_VBFB_STK_00013	05/31/25	12/02/24	Methanol, Lot EH471	10 mL	MSV_VBFB_STK_00013	0.09 mL	Xylenes, Total	
							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

Reagent

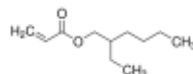
MSV_2Eth6Acry_00001

Certificate of Analysis

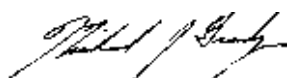
Product Name:

2-Ethylhexyl acrylate - 98%, contains ≥ 0.001 – $\leq 0.11\%$ monomethyl ether hydroquinone as stabilizer

Product Number: 290815
Batch Number: MKCN1302
Brand: ALDRICH
CAS Number: 103-11-7
MDL Number: MFCD00009495
Formula: C₁₁H₂₀O₂
Formula Weight: 184.28 g/mol
Quality Release Date: 01 SEP 2020



Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
Purity (GC)	$\geq 97.5\%$	99.6 %
Stabilizer	0.001 - 0.110 %	0.002 %
Monomethyl Ether Hydroquinone (MEHQ)		



Michael Grady, Manager
Quality Control
Milwaukee, WI US

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



Reagent

MSV_8260_SS_01374



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. : 30240 **Lot No.:** A0213335

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 : July 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%	2,506.3 µg/mL	+/- 140.7903
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,503.5 µg/mL	+/- 140.6358
3	Toluene-d8	2037-26-5	PR-34141	99%	2,505.3 µg/mL	+/- 140.7341
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000194533	99%	2,506.0 µg/mL	+/- 140.7762

* 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:

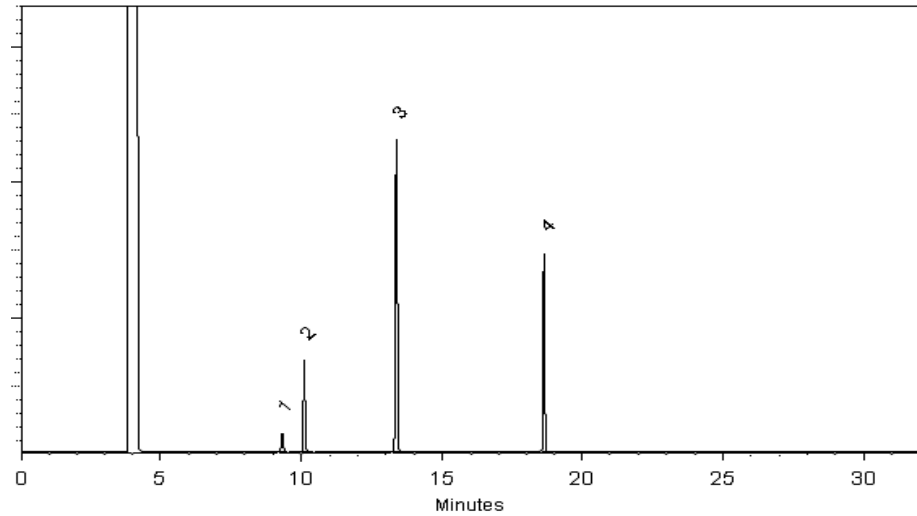
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

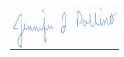


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 01-Jul-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Jul-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_00997



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. : 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:

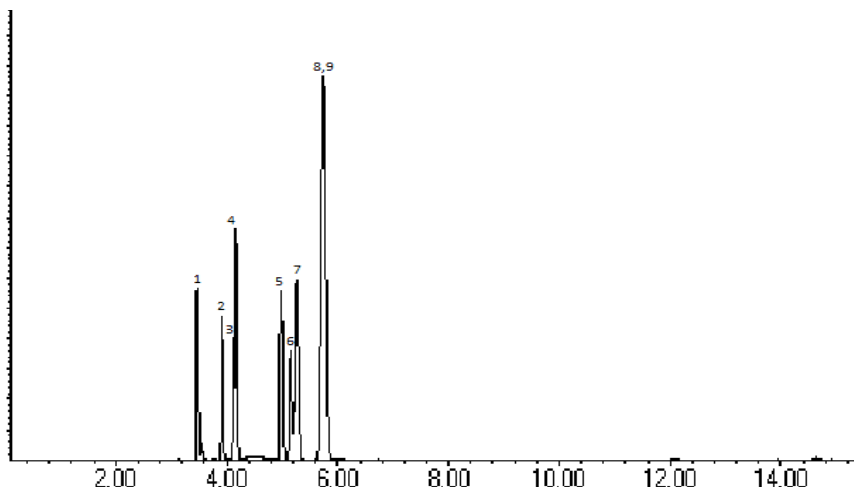
MSD

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_00998



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. : 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:

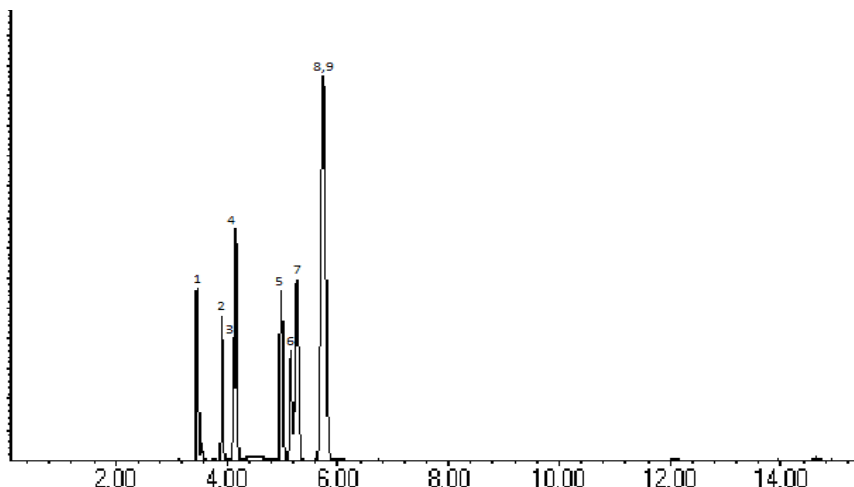
MSD

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_00702



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

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

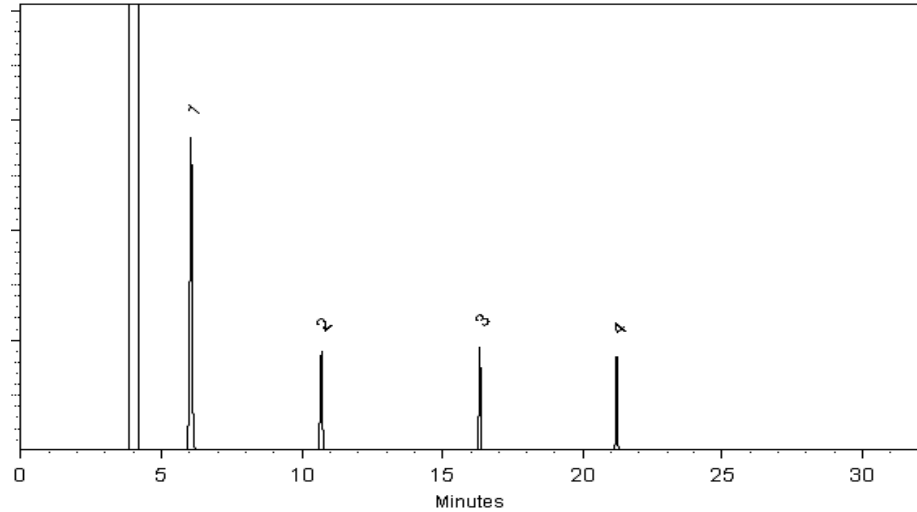
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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


Laith Clemente - Operations Technician I

Date Mixed: 13-Oct-2023

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Oct-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

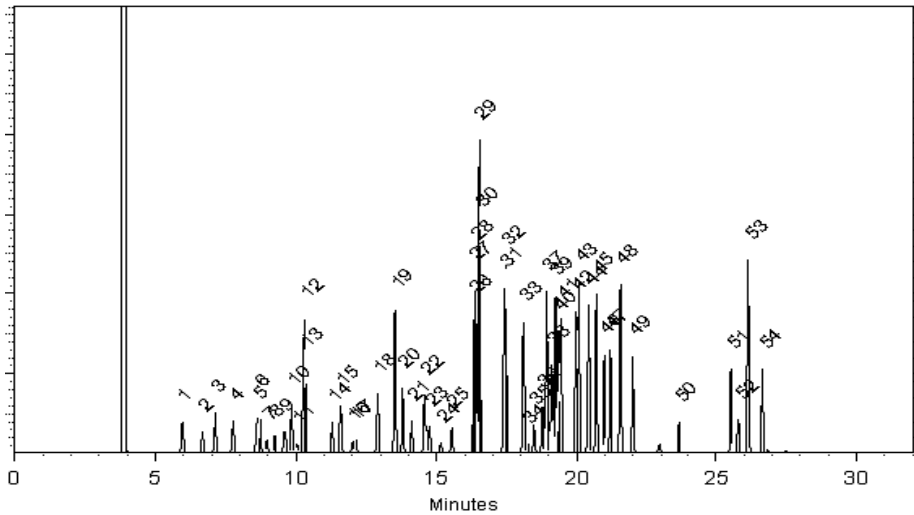
53	Naphthalene	91-20-3	STBL1057	99%	5,008.3	µg/mL	+/- 282.1039
54	1,2,3-Trichlorobenzene	87-61-6	MKBX7627V	99%	5,037.8	µg/mL	+/- 283.7656

* 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#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:

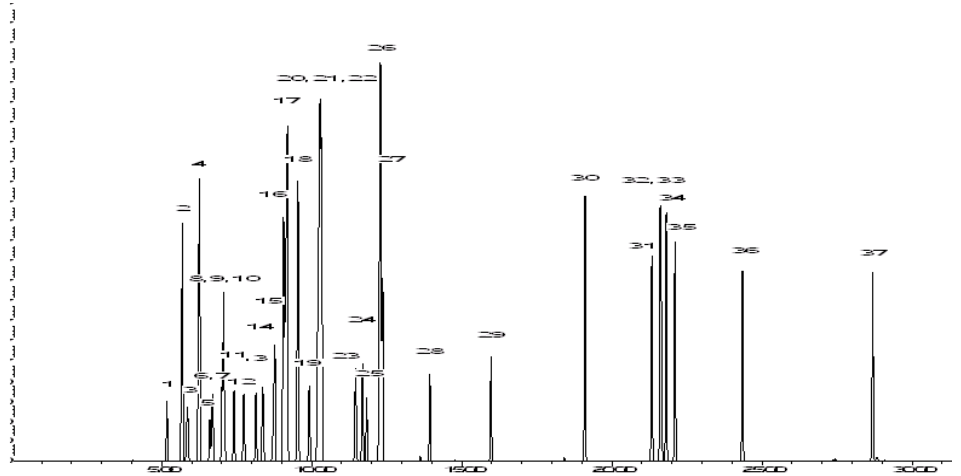
MSD

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_QC_2K_GAS_00292



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. : 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:

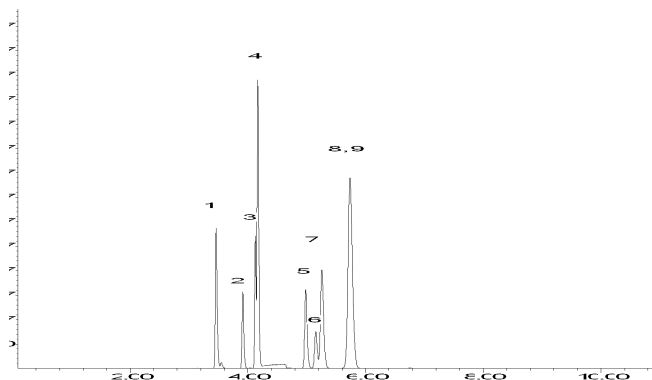
MSD

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.
- 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_00296



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. : 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:

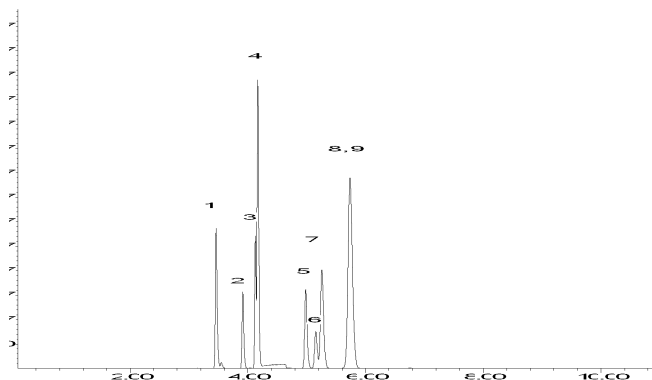
MSD

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.
- 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_2CLEVE_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. : 577492 **Lot No.:** A0211425

Description : Custom 2-CEVE Standard

Custom 2-CEVE 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	2-Chloroethyl vinyl ether	110-75-8	MKBS6526V	99%	5,044.0 µg/mL	+/- 62.7735

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

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

Tech Tips:

Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

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:

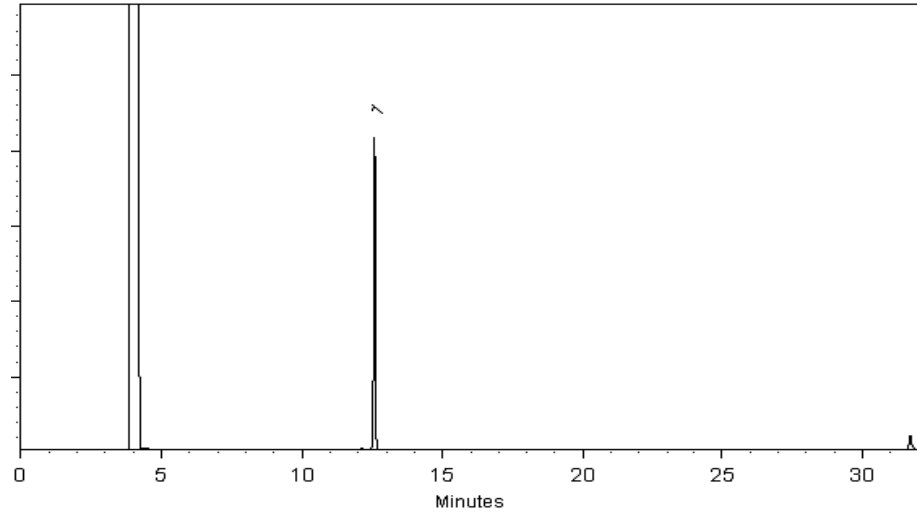
FID

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.

Russ Bookhamer - Operations Technician I

Date Mixed: 14-May-2024

Balance Serial # B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-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



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. : 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:

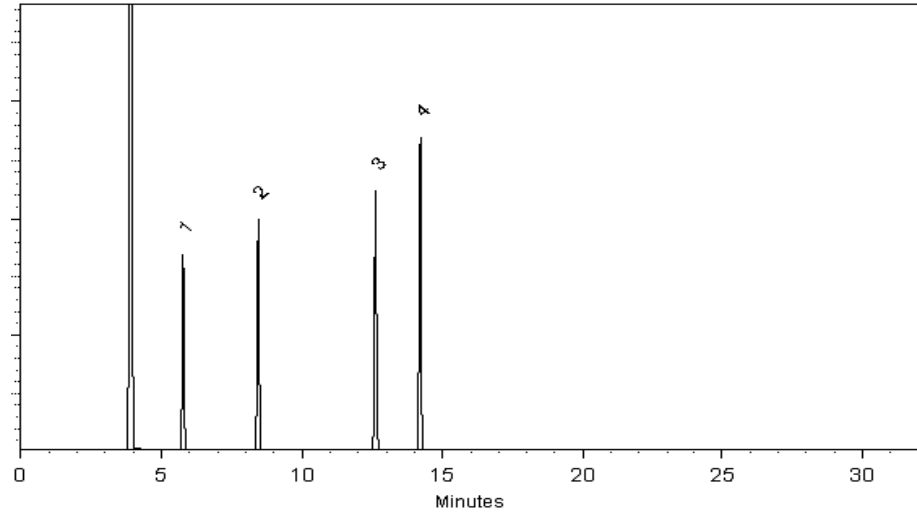
FID

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.

Method 8260D

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-214589-1

SDG No.:

Matrix: Water

Level: Low

GC Column (1): R-624SilMS 3 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
HD-MW-5-0/1-0	410-214589-1	98	102	101	96
HD-MW-6-0/1-0	410-214589-2	98	103	101	98
HD-MW-88-0/1-0	410-214589-3	99	104	99	97
HD-MW-101S-0/1-0	410-214589-4	99	104	101	97
HD-MW-101D-0/1-0	410-214589-5	99	103	100	96
HD-QC1-0/1-3	410-214589-6	100	104	99	97
HD-QC1-0/1-4	410-214589-7	100	105	99	96
	MB 410-626753/7	97	102	101	97
	LCS 410-626753/4	99	100	103	102
	LCSD 410-626753/5	97	99	103	101

	<u>QC LIMITS</u>
DBFM = Dibromofluoromethane (Surr)	80-120
DCA = 1,2-Dichloroethane-d4 (Surr)	80-120
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	80-120

Column to be used to flag recovery values

FORM II 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-214589-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: NA05X03.D

Lab ID: LCS 410-626753/4

Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	19.2	96	79-120	
1,1,1-Trichloroethane	20.0	18.9	95	73-120	
1,1,2,2-Tetrachloroethane	20.0	19.4	97	72-120	
1,1,2-Trichloroethane	20.0	19.8	99	80-120	
1,1-Dichloroethane	20.0	20.3	101	80-120	
1,1-Dichloroethene	20.0	18.5	93	80-131	
1,2-Dibromoethane (EDB)	20.0	18.8	94	77-120	
1,2-Dichloroethane	20.0	19.9	99	73-124	
1,2-Dichloropropane	20.0	19.9	100	80-120	
2-Butanone (MEK)	250	266	106	59-135	
2-Hexanone	250	299	120	56-135	
4-Methyl-2-pentanone (MIBK)	250	276	111	62-133	
Acetone	250	280	112	57-143	
Benzene	20.0	18.9	95	80-120	
Bromochloromethane	20.0	19.0	95	80-120	
Bromodichloromethane	20.0	18.0	90	71-120	
Bromoform	20.0	16.7	83	51-120	
Bromomethane	20.0	19.7	98	53-128	
Carbon disulfide	20.0	14.7	74	65-128	
Carbon tetrachloride	20.0	18.1	90	64-134	
Chlorobenzene	20.0	19.1	95	80-120	
Chloroethane	20.0	20.5	102	55-123	
Chloroform	20.0	19.7	99	80-120	
Chloromethane	20.0	22.1	110	39-134	
cis-1,2-Dichloroethene	20.0	19.1	96	80-125	
cis-1,3-Dichloropropene	20.0	17.0	85	75-120	
Dibromochloromethane	20.0	17.6	88	71-120	
Ethylbenzene	20.0	19.4	97	80-120	
Methyl tert-butyl ether	20.0	17.8	89	69-122	
Methylene Chloride	20.0	19.8	99	80-120	
Styrene	20.0	19.3	96	80-120	
Tetrachloroethene	20.0	18.5	92	80-120	
Toluene	20.0	19.2	96	80-120	
trans-1,2-Dichloroethene	20.0	19.2	96	80-126	
trans-1,3-Dichloropropene	20.0	18.2	91	67-120	
Trichloroethene	20.0	18.4	92	80-120	
Vinyl chloride	20.0	20.8	104	56-120	
Xylenes, Total	60.0	57.0	95	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-214589-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: NA05X04.D

Lab ID: LCSD 410-626753/5

Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1,2-Tetrachloroethane	20.0	19.2	96	0	30	79-120	
1,1,1-Trichloroethane	20.0	18.7	94	1	30	73-120	
1,1,2,2-Tetrachloroethane	20.0	19.4	97	0	30	72-120	
1,1,2-Trichloroethane	20.0	19.7	98	1	30	80-120	
1,1-Dichloroethane	20.0	19.9	100	2	30	80-120	
1,1-Dichloroethene	20.0	18.5	93	0	30	80-131	
1,2-Dibromoethane (EDB)	20.0	18.6	93	1	30	77-120	
1,2-Dichloroethane	20.0	19.6	98	1	30	73-124	
1,2-Dichloropropane	20.0	20.0	100	1	30	80-120	
2-Butanone (MEK)	250	258	103	3	30	59-135	
2-Hexanone	250	290	116	3	30	56-135	
4-Methyl-2-pentanone (MIBK)	250	273	109	1	30	62-133	
Acetone	250	268	107	4	30	57-143	
Benzene	20.0	18.9	95	0	30	80-120	
Bromochloromethane	20.0	18.6	93	2	30	80-120	
Bromodichloromethane	20.0	18.0	90	0	30	71-120	
Bromoform	20.0	16.4	82	2	30	51-120	
Bromomethane	20.0	20.2	101	3	30	53-128	
Carbon disulfide	20.0	14.7	73	0	30	65-128	
Carbon tetrachloride	20.0	18.1	91	0	30	64-134	
Chlorobenzene	20.0	19.2	96	0	30	80-120	
Chloroethane	20.0	20.5	103	0	30	55-123	
Chloroform	20.0	19.3	97	2	30	80-120	
Chloromethane	20.0	19.5	98	12	30	39-134	
cis-1,2-Dichloroethene	20.0	18.9	94	1	30	80-125	
cis-1,3-Dichloropropene	20.0	17.0	85	0	30	75-120	
Dibromochloromethane	20.0	17.4	87	1	30	71-120	
Ethylbenzene	20.0	19.4	97	0	30	80-120	
Methyl tert-butyl ether	20.0	17.5	87	2	30	69-122	
Methylene Chloride	20.0	19.8	99	0	30	80-120	
Styrene	20.0	19.2	96	0	30	80-120	
Tetrachloroethene	20.0	18.3	91	1	30	80-120	
Toluene	20.0	19.4	97	1	30	80-120	
trans-1,2-Dichloroethene	20.0	18.8	94	2	30	80-126	
trans-1,3-Dichloropropene	20.0	18.0	90	1	30	67-120	
Trichloroethene	20.0	18.6	93	1	30	80-120	
Vinyl chloride	20.0	19.5	97	6	30	56-120	
Xylenes, Total	60.0	57.5	96	1	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
Environment Testing, LLC

Job No.: 410-214589-1

SDG No.:

Lab File ID: NA05X06.D

Lab Sample ID: MB 410-626753/7

Matrix: Water

Heated Purge: (Y/N) N

Instrument ID: 7159

Date Analyzed: 04/05/2025 10:40

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 410-626753/4	NA05X03.D	04/05/2025 09:39
	LCSD 410-626753/5	NA05X04.D	04/05/2025 09:59
HD-MW-5-0/1-0	410-214589-1	NA05X07.D	04/05/2025 11:01
HD-MW-6-0/1-0	410-214589-2	NA05X08.D	04/05/2025 11:21
HD-MW-88-0/1-0	410-214589-3	NA05X09.D	04/05/2025 11:42
HD-MW-101S-0/1-0	410-214589-4	NA05X10.D	04/05/2025 12:02
HD-MW-101D-0/1-0	410-214589-5	NA05X11.D	04/05/2025 12:22
HD-QC1-0/1-3	410-214589-6	NA05X12.D	04/05/2025 12:42
HD-QC1-0/1-4	410-214589-7	NA05X13.D	04/05/2025 13:02

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-214589-1
Environment Testing, LLC

SDG No.: _____

Lab File ID: NM31T01.D BFB Injection Date: 03/31/2025

Instrument ID: 7159 BFB Injection Time: 14:06

Analysis Batch No.: 624120

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	16.1
75	30.0 - 60.0 % of mass 95	47.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.7
173	Less than 2.0 % of mass 174	0.6 (0.8) 1
174	Greater than 50% of mass 95	77.7
175	5.0 - 9.0 % of mass 174	5.7 (7.3) 1
176	95.0 - 101.0 % of mass 174	75.6 (97.3) 1
177	5.0 - 9.0 % of mass 176	4.9 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-624120/12	NM31X12.D	03/31/2025	14:42
	IC 410-624120/13	NM31X13.D	03/31/2025	15:02
	IC 410-624120/14	NM31X14.D	03/31/2025	15:23
	IC 410-624120/15	NM31X15.D	03/31/2025	15:43
	ICIS 410-624120/16	NM31X16.D	03/31/2025	16:03
	IC 410-624120/17	NM31X17.D	03/31/2025	16:24
	IC 410-624120/18	NM31X18.D	03/31/2025	16:43
	ICV 410-624120/20	NM31X20.D	03/31/2025	17:24

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-214589-1

SDG No.:

Lab File ID: NA05T01.D

BFB Injection Date: 04/05/2025

Instrument ID: 7159

BFB Injection Time: 08:18

Analysis Batch No.: 626753

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	16.5
75	30.0 - 60.0 % of mass 95	47.1
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	0.6 (0.8) 1
174	Greater than 50% of mass 95	78.4
175	5.0 - 9.0 % of mass 174	5.6 (7.2) 1
176	95.0 - 101.0 % of mass 174	75.8 (96.7) 1
177	5.0 - 9.0 % of mass 176	4.9 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-626753/3	NA05X02.D	04/05/2025	9:19
	LCS 410-626753/4	NA05X03.D	04/05/2025	9:39
	LCSD 410-626753/5	NA05X04.D	04/05/2025	9:59
	MB 410-626753/7	NA05X06.D	04/05/2025	10:40
HD-MW-5-0/1-0	410-214589-1	NA05X07.D	04/05/2025	11:01
HD-MW-6-0/1-0	410-214589-2	NA05X08.D	04/05/2025	11:21
HD-MW-88-0/1-0	410-214589-3	NA05X09.D	04/05/2025	11:42
HD-MW-101S-0/1-0	410-214589-4	NA05X10.D	04/05/2025	12:02
HD-MW-101D-0/1-0	410-214589-5	NA05X11.D	04/05/2025	12:22
HD-QC1-0/1-3	410-214589-6	NA05X12.D	04/05/2025	12:42
HD-QC1-0/1-4	410-214589-7	NA05X13.D	04/05/2025	13:02

FORM VIII

Job No.: 410-214589-1

Sample No.: ICIS 410-624120/16

Date Analyzed: 03/31/2025 16:03

Instrument ID: 7159

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

Lab File ID (Standard): NM31X16.D

Heated Purge: (Y/N) N

Calibration ID: 71217

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		332301	4.64	838693	8.07	619002	11.41
UPPER LIMIT		664602	5.14	1677386	8.57	1238004	11.91
LOWER LIMIT		166151	4.14	419347	7.57	309501	10.91
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-624120/20		358148	4.61	841743	8.07	613661	11.41
CCVIS 410-626753/3		258787	4.63	751026	8.06	539898	11.40

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.: 410-214589-1

Sample No.: ICIS 410-624120/16

Date Analyzed: 03/31/2025 16:03

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

Heated Purge: (Y/N) N

Calibration ID: 71217

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		320507	13.24				
UPPER LIMIT		641014	13.74				
LOWER LIMIT		160254	12.74				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-624120/20		324774	13.24				
CCVIS 410-626753/3		284698	13.24				

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.: 410-214589-1
 Environment Testing, LLC

SDG No.: _____

Sample No.: CCVIS 410-626753/3 Date Analyzed: 04/05/2025 09:19

Instrument ID: 7159 GC Column: R-624SilMS 30m ID: 0.25 (mm)

Lab File ID (Standard): NA05X02.D Heated Purge: (Y/N) N

Calibration ID: 71217

	TBAd10		FB		CBZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	258787	4.63	751026	8.06	539898	11.40	
UPPER LIMIT	517574	5.13	1502052	8.56	1079796	11.90	
LOWER LIMIT	129394	4.13	375513	7.56	269949	10.90	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-626753/4		277282	4.61	756240	8.06	538888	11.41
LCSD 410-626753/5		278265	4.62	745107	8.07	532478	11.41
MB 410-626753/7		265756	4.64	742486	8.07	516465	11.41
410-214589-1	HD-MW-5-0/1-0	250866	4.63	702004	8.06	496081	11.41
410-214589-2	HD-MW-6-0/1-0	246182	4.63	698848	8.07	495605	11.41
410-214589-3	HD-MW-88-0/1-0	245491	4.62	734100	8.07	520767	11.41
410-214589-4	HD-MW-101S-0/1-0	251650	4.64	701101	8.07	489232	11.41
410-214589-5	HD-MW-101D-0/1-0	245015	4.62	685513	8.07	486322	11.41
410-214589-6	HD-QC1-0/1-3	232419	4.64	635488	8.07	454843	11.41
410-214589-7	HD-QC1-0/1-4	240657	4.63	707468	8.07	506138	11.41

TBAd10 = t-Butyl alcohol-d10 (IS)

FB = Fluorobenzene (IS)

CBZd5 = Chlorobenzene-d5 (IS)

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

RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-214589-1
 Environment Testing, LLC

SDG No.: _____

Sample No.: CCVIS 410-626753/3 Date Analyzed: 04/05/2025 09:19

Instrument ID: 7159 GC Column: R-624SilMS 30m ID: 0.25 (mm)

Lab File ID (Standard): NA05X02.D Heated Purge: (Y/N) N

Calibration ID: 71217

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		284698	13.24				
UPPER LIMIT		569396	13.74				
LOWER LIMIT		142349	12.74				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-626753/4		295456	13.24				
LCSD 410-626753/5		287585	13.24				
MB 410-626753/7		279576	13.24				
410-214589-1	HD-MW-5-0/1-0	266285	13.24				
410-214589-2	HD-MW-6-0/1-0	272633	13.24				
410-214589-3	HD-MW-88-0/1-0	283761	13.24				
410-214589-4	HD-MW-101S-0/1-0	267203	13.24				
410-214589-5	HD-MW-101D-0/1-0	264975	13.24				
410-214589-6	HD-QC1-0/1-3	249139	13.24				
410-214589-7	HD-QC1-0/1-4	275630	13.24				

DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-214589-1

SDG No.:

Client Sample ID: HD-MW-5-0/1-0

Lab Sample ID: 410-214589-1

Matrix: Water

Lab File ID: NA05X07.D

Analysis Method: 8260D

Date Collected: 03/26/2025 14:20

Sample wt/vol: 5 (mL)

Date Analyzed: 04/05/2025 11:01

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 5.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 626753

Units: ug/L

Preparation Batch No.:

Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND	^c cn	2.0	0.55
156-59-2	cis-1,2-Dichloroethene	4.0		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-214589-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-MW-5-0/1-0 Lab Sample ID: 410-214589-1

Matrix: Water Lab File ID: NA05X07.D

Analysis Method: 8260D Date Collected: 03/26/2025 14:20

Sample wt/vol: 5 (mL) Date Analyzed: 04/05/2025 11:01

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 626753 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-01-4	Vinyl chloride	ND	^c cn	1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	98		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\7159\20250405-143131.b\NA05X07.D
 Lims ID: 410-214589-A-1
 Client ID: HD-MW-5-0/1-0
 Sample Type: Client
 Inject. Date: 05-Apr-2025 11:01:53 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0143131-008
 Operator ID: clm27445 Instrument ID: 7159
 Method: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Apr-2025 21:09:15 Calib Date: 31-Mar-2025 16:43:59
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1727

First Level Reviewer: Y6ZN

Date: 06-Apr-2025 21:05:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
6 Chloromethane	50		2.270				ND	
7 Vinyl chloride	62		2.401				ND	
10 Bromomethane	94		2.787				ND	
11 Chloroethane	64		2.871				ND	
19 1,1-Dichloroethene	96		3.832				ND	7
21 Acetone	58		3.871				ND	
25 Carbon disulfide	76		4.192				ND	
28 Methylene Chloride	84		4.578				ND	
* 29 t-Butyl alcohol-d10 (IS)	65	4.633	4.630	0.003	94	250866	250.0	
33 Methyl tert-butyl ether	73		4.983				ND	
34 trans-1,2-Dichloroethene	96		4.987				ND	7
37 1,1-Dichloroethane	63		5.665				ND	
43 2-Butanone (MEK)	43		6.479				ND	
44 cis-1,2-Dichloroethene	96	6.498	6.491	0.007	0	19362	4.00	M
48 Chlorobromomethane	128		6.823				ND	
50 Chloroform	83		6.974				ND	
\$ 51 Dibromofluoromethane (Surr)	113	7.186	7.186	0.000	93	180434	48.8	
52 1,1,1-Trichloroethane	97		7.202				ND	
56 Carbon tetrachloride	117		7.398				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.636	7.643	-0.006	63	46935	51.0	M
60 Benzene	78		7.668				ND	
61 1,2-Dichloroethane	62		7.742				ND	
* 63 Fluorobenzene (IS)	96	8.061	8.064	-0.003	99	702004	50.0	
67 Trichloroethene	95		8.530				ND	7
69 1,2-Dichloropropane	63		8.871				ND	
75 Dichlorobromomethane	83		9.202				ND	
79 cis-1,3-Dichloropropene	75		9.716				ND	
80 4-Methyl-2-pentanone (MIBK)	43		9.884				ND	7
\$ 81 Toluene-d8 (Surr)	98	10.006	10.006	0.000	93	648391	50.3	
82 Toluene	92		10.080				ND	
105 trans-1,3-Dichloropropene	75		10.321				ND	
107 1,1,2-Trichloroethane	97		10.520				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166		10.594				ND	
110 2-Hexanone	43		10.723				ND	
111 Chlorodibromomethane	129		10.880				ND	
112 Ethylene Dibromide	107		10.990				ND	
S 113 Xylenes, Total	106		11.245				ND	7
* 114 Chlorobenzene-d5 (IS)	117	11.405	11.404	0.001	85	496081	50.0	
116 Chlorobenzene	112		11.430				ND	
117 1,1,1,2-Tetrachloroethane	131		11.507				ND	
118 Ethylbenzene	91		11.511				ND	
119 m-Xylene & p-Xylene	106		11.620				ND	
120 o-Xylene	106		11.941				ND	
121 Styrene	104		11.954				ND	
122 Bromoform	173		12.112				ND	
\$ 125 4-Bromofluorobenzene (Surr)	95	12.376	12.376	0.000	89	226091	48.1	
126 1,1,2,2-Tetrachloroethane	83		12.472				ND	
* 140 1,4-Dichlorobenzene-d4	152	13.240	13.240	0.000	95	266285	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_Cent_ISSS_00035

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 06-Apr-2025 21:10:22

Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X07.D

Injection Date: 05-Apr-2025 11:01:53

Instrument ID: 7159

Operator ID: clm27445

Lims ID: 410-214589-A-1

Lab Sample ID: 410-214589-1

Worklist Smp#: 8

Client ID: HD-MW-5-0/1-0

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

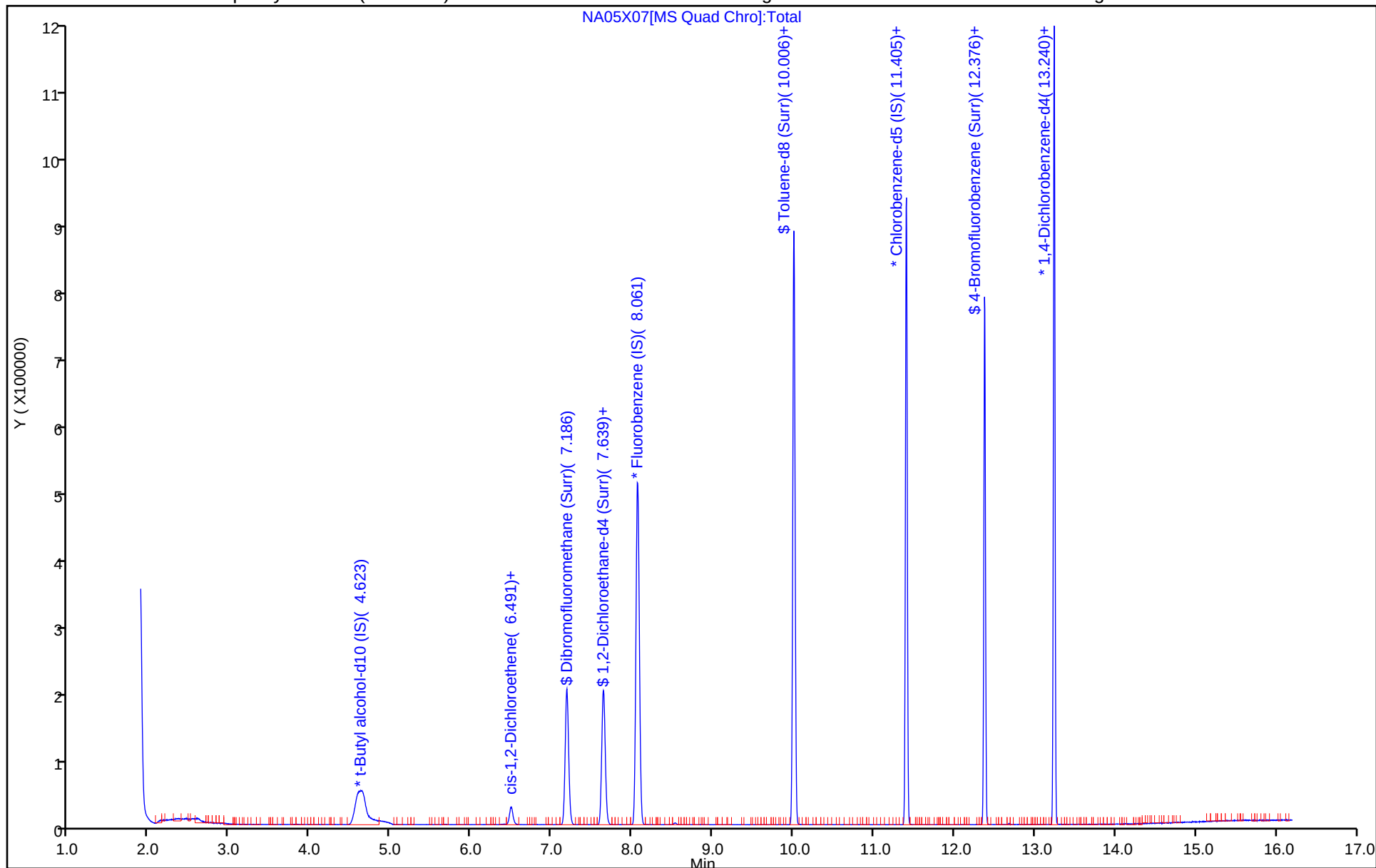
ALS Bottle#: 7

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X07.D
Lims ID: 410-214589-A-1
Client ID: HD-MW-5-0/1-0
Sample Type: Client
Inject. Date: 05-Apr-2025 11:01:53 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0143131-008
Operator ID: clm27445 Instrument ID: 7159
Method: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Apr-2025 21:09:15 Calib Date: 31-Mar-2025 16:43:59
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1727

First Level Reviewer: Y6ZN

Date: 06-Apr-2025 21:05:54

Compound	Amount Added	Amount Recovered	% Rec.
\$ 51 Dibromofluoromethane (Surr)	50.0	48.8	97.51
\$ 59 1,2-Dichloroethane-d4 (Surr)	50.0	51.0	101.97
\$ 81 Toluene-d8 (Surr)	50.0	50.3	100.59
\$ 125 4-Bromofluorobenzene (Surr)	50.0	48.1	96.30

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X07.D

Injection Date: 05-Apr-2025 11:01:53

Instrument ID: 7159

Lims ID: 410-214589-A-1

Lab Sample ID: 410-214589-1

Client ID: HD-MW-5-0/1-0

Operator ID: clm27445

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 5.000 mL

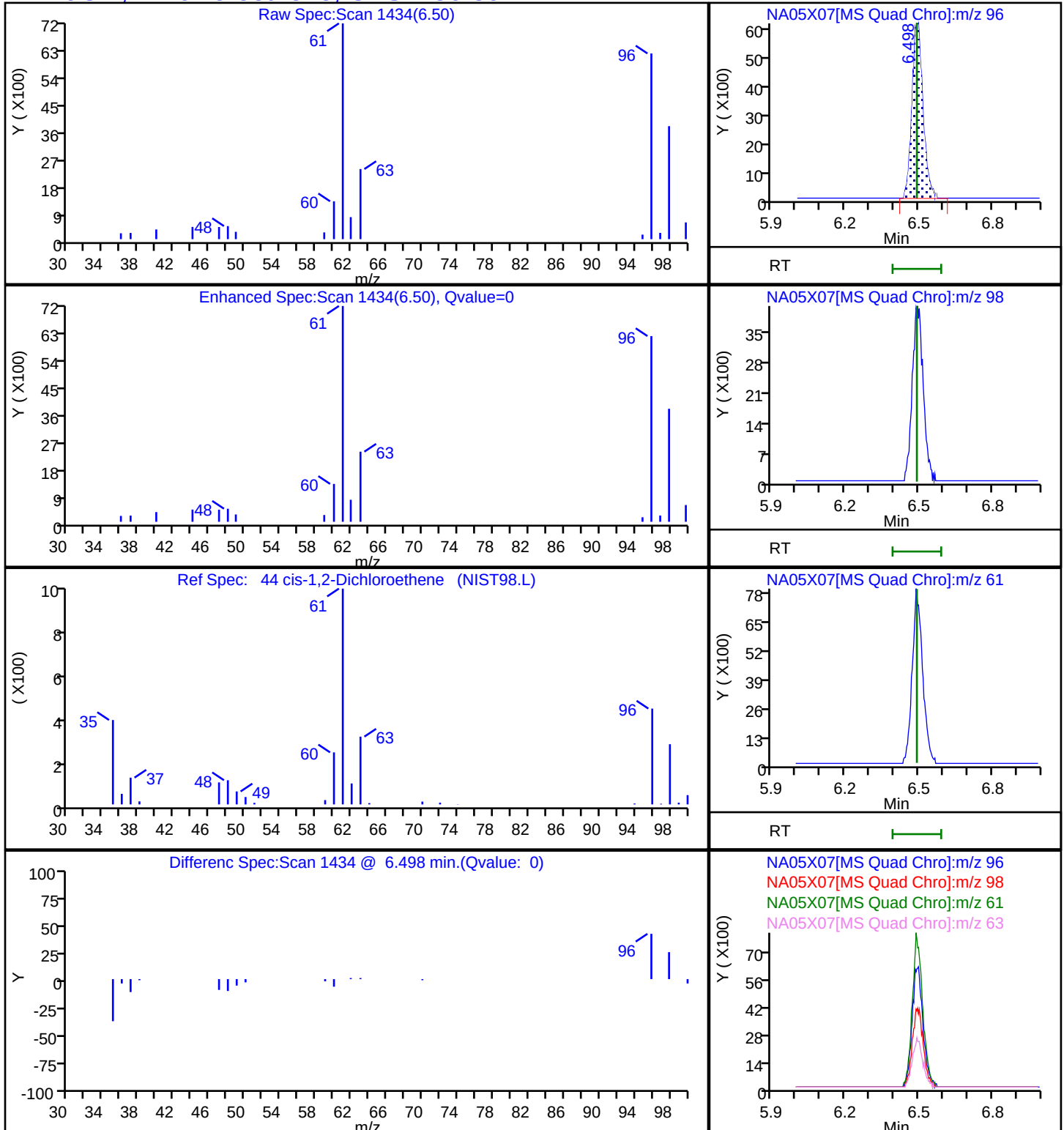
Dil. Factor: 1.0000

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

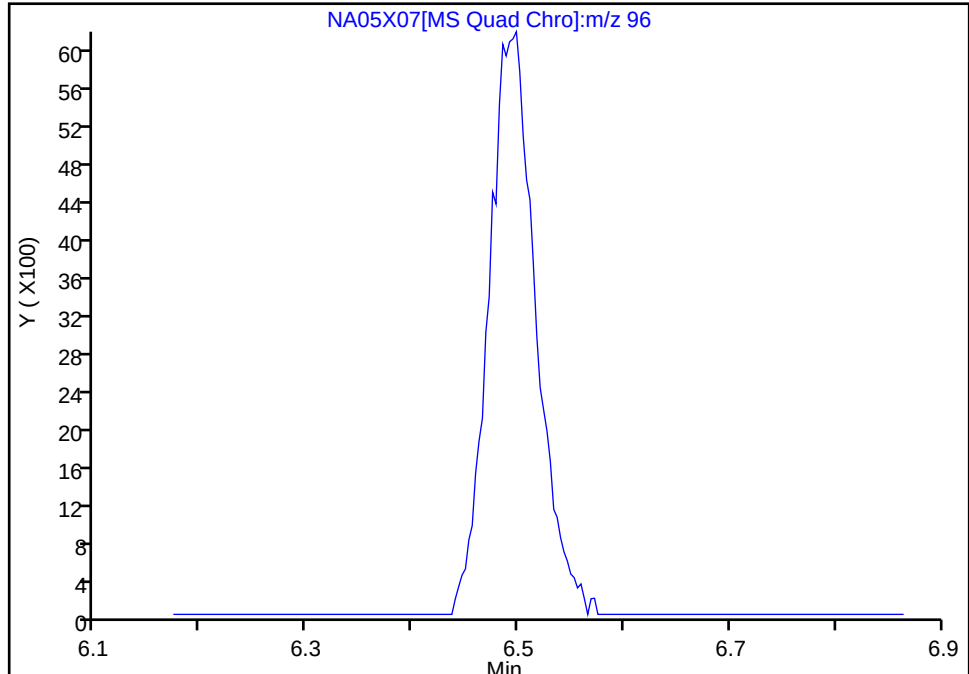
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X07.D
Injection Date: 05-Apr-2025 11:01:53 Instrument ID: 7159
Lims ID: 410-214589-A-1 Lab Sample ID: 410-214589-1
Client ID: HD-MW-5-0/1-0
Operator ID: clm27445 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

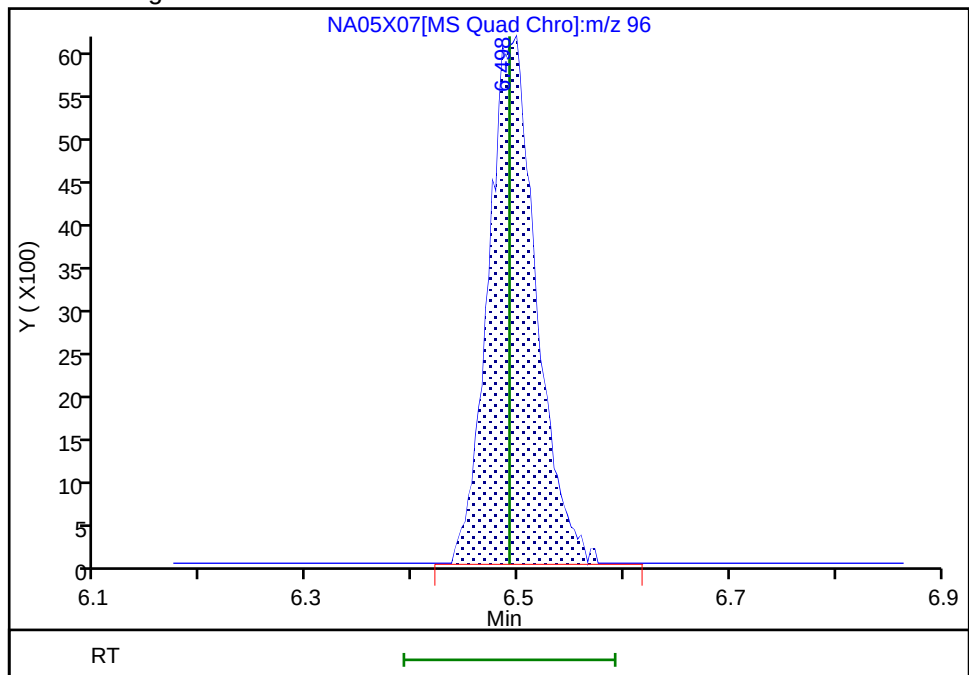
Not Detected
Expected RT: 6.49

Processing Integration Results



Manual Integration Results

RT: 6.50
Area: 19362
Amount: 4.003547
Amount Units: ug/l



Reviewer: Y6ZN, 06-Apr-2025 21:05:44 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

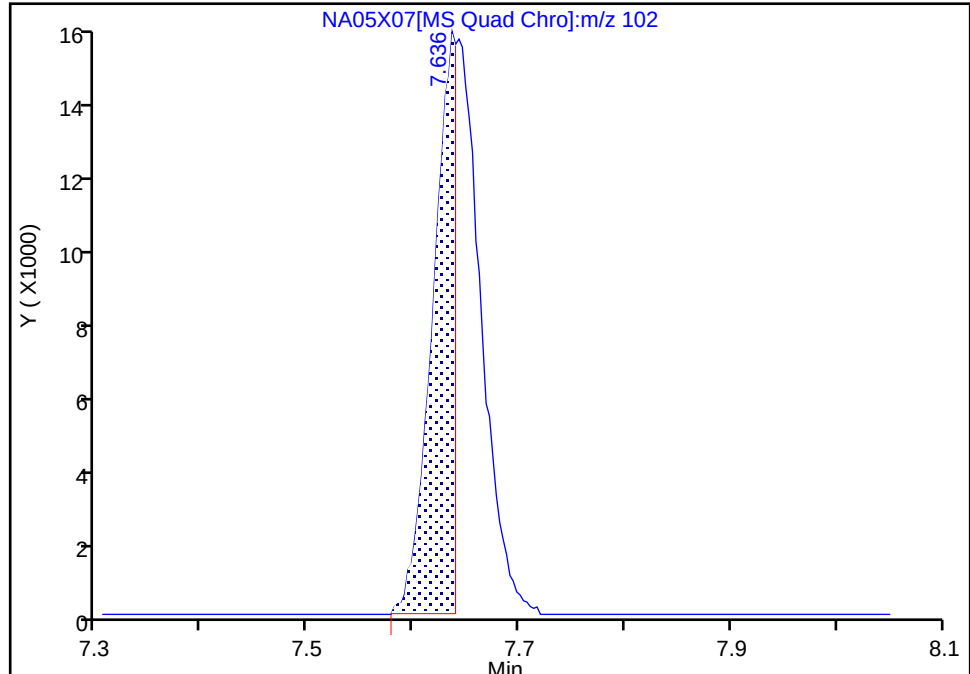
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X07.D
Injection Date: 05-Apr-2025 11:01:53 Instrument ID: 7159
Lims ID: 410-214589-A-1 Lab Sample ID: 410-214589-1
Client ID: HD-MW-5-0/1-0
Operator ID: clm27445 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

\$ 59 1,2-Dichloroethane-d4 (Surr), CAS: 17060-07-0

Signal: 1

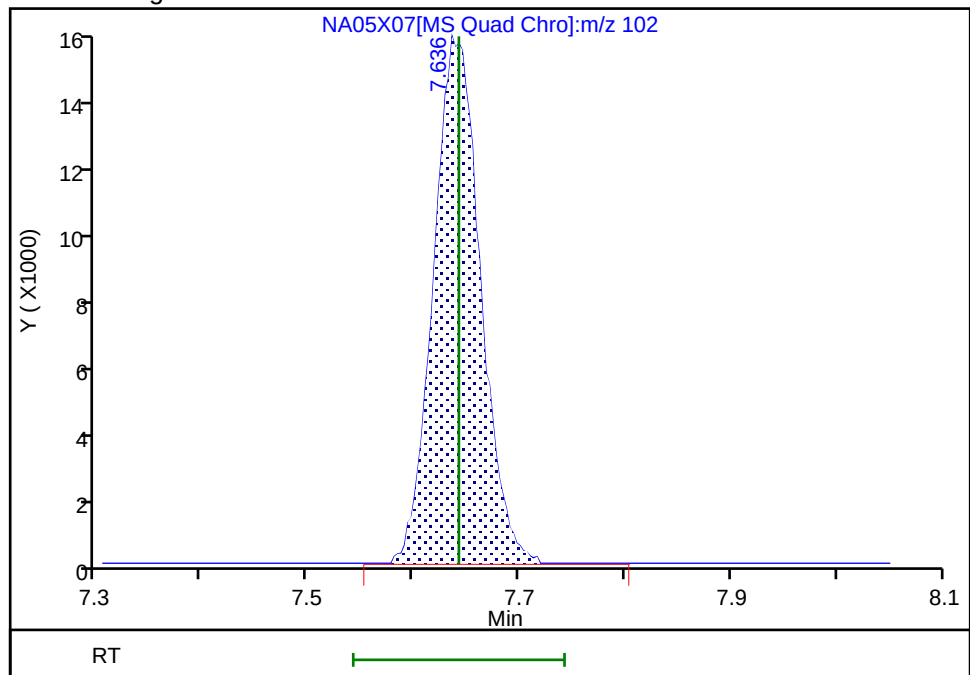
RT: 7.64
Area: 23225
Amount: 25.228673
Amount Units: ug/l

Processing Integration Results



RT: 7.64
Area: 46935
Amount: 50.984189
Amount Units: ug/l

Manual Integration Results



Reviewer: Y6ZN, 06-Apr-2025 21:05:30 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-214589-1

SDG No.:

Client Sample ID: HD-MW-6-0/1-0

Lab Sample ID: 410-214589-2

Matrix: Water

Lab File ID: NA05X08.D

Analysis Method: 8260D

Date Collected: 03/26/2025 13:05

Sample wt/vol: 5 (mL)

Date Analyzed: 04/05/2025 11:21

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 5.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 626753

Units: ug/L

Preparation Batch No.:

Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND	^c cn	2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-214589-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-MW-6-0/1-0 Lab Sample ID: 410-214589-2

Matrix: Water Lab File ID: NA05X08.D

Analysis Method: 8260D Date Collected: 03/26/2025 13:05

Sample wt/vol: 5 (mL) Date Analyzed: 04/05/2025 11:21

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 626753 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-01-4	Vinyl chloride	ND	^c cn	1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	98		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\7159\20250405-143131.b\NA05X08.D
 Lims ID: 410-214589-A-2
 Client ID: HD-MW-6-0/1-0
 Sample Type: Client
 Inject. Date: 05-Apr-2025 11:21:40 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0143131-009
 Operator ID: clm27445 Instrument ID: 7159
 Method: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Apr-2025 21:09:15 Calib Date: 31-Mar-2025 16:43:59
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1727

First Level Reviewer: Y6ZN

Date: 06-Apr-2025 21:06:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
6 Chloromethane	50		2.270				ND	
7 Vinyl chloride	62		2.401				ND	
10 Bromomethane	94		2.787				ND	
11 Chloroethane	64		2.871				ND	
19 1,1-Dichloroethene	96		3.832				ND	
21 Acetone	58		3.871				ND	
25 Carbon disulfide	76		4.192				ND	
28 Methylene Chloride	84		4.578				ND	
* 29 t-Butyl alcohol-d10 (IS)	65	4.626	4.630	-0.004	94	246182	250.0	
33 Methyl tert-butyl ether	73		4.983				ND	
34 trans-1,2-Dichloroethene	96		4.987				ND	
37 1,1-Dichloroethane	63		5.665				ND	
43 2-Butanone (MEK)	43		6.479				ND	
44 cis-1,2-Dichloroethene	96		6.491				ND	
48 Chlorobromomethane	128		6.823				ND	
50 Chloroform	83		6.974				ND	
\$ 51 Dibromofluoromethane (Surr)	113	7.196	7.186	0.010	93	180554	49.0	
52 1,1,1-Trichloroethane	97		7.202				ND	
56 Carbon tetrachloride	117		7.398				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.646	7.643	0.004	63	47138	51.4	
60 Benzene	78		7.668				ND	
61 1,2-Dichloroethane	62		7.742				ND	
* 63 Fluorobenzene (IS)	96	8.073	8.064	0.009	99	698848	50.0	
67 Trichloroethene	95		8.530				ND	
69 1,2-Dichloropropane	63		8.871				ND	
75 Dichlorobromomethane	83		9.202				ND	
79 cis-1,3-Dichloropropene	75		9.716				ND	
80 4-Methyl-2-pentanone (MIBK)	43		9.884				ND	
\$ 81 Toluene-d8 (Surr)	98	10.009	10.006	0.003	93	649086	50.4	
82 Toluene	92		10.080				ND	
105 trans-1,3-Dichloropropene	75		10.321				ND	
107 1,1,2-Trichloroethane	97		10.520				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166		10.594				ND	
110 2-Hexanone	43		10.723				ND	
111 Chlorodibromomethane	129		10.880				ND	
112 Ethylene Dibromide	107		10.990				ND	
S 113 Xylenes, Total	106		11.245				ND	7
* 114 Chlorobenzene-d5 (IS)	117	11.408	11.404	0.004	85	495605	50.0	
116 Chlorobenzene	112		11.430				ND	
117 1,1,1,2-Tetrachloroethane	131		11.507				ND	
118 Ethylbenzene	91		11.511				ND	
119 m-Xylene & p-Xylene	106		11.620				ND	
120 o-Xylene	106		11.941				ND	
121 Styrene	104		11.954				ND	
122 Bromoform	173		12.112				ND	
\$ 125 4-Bromofluorobenzene (Surr)	95	12.379	12.376	0.003	90	228937	48.8	
126 1,1,2,2-Tetrachloroethane	83		12.472				ND	
* 140 1,4-Dichlorobenzene-d4	152	13.240	13.240	0.000	95	272633	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_Cent_ISSS_00035

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 06-Apr-2025 21:10:24

Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X08.D

Injection Date: 05-Apr-2025 11:21:40

Instrument ID: 7159

Operator ID: clm27445

Lims ID: 410-214589-A-2

Lab Sample ID: 410-214589-2

Worklist Smp#: 9

Client ID: HD-MW-6-0/1-0

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

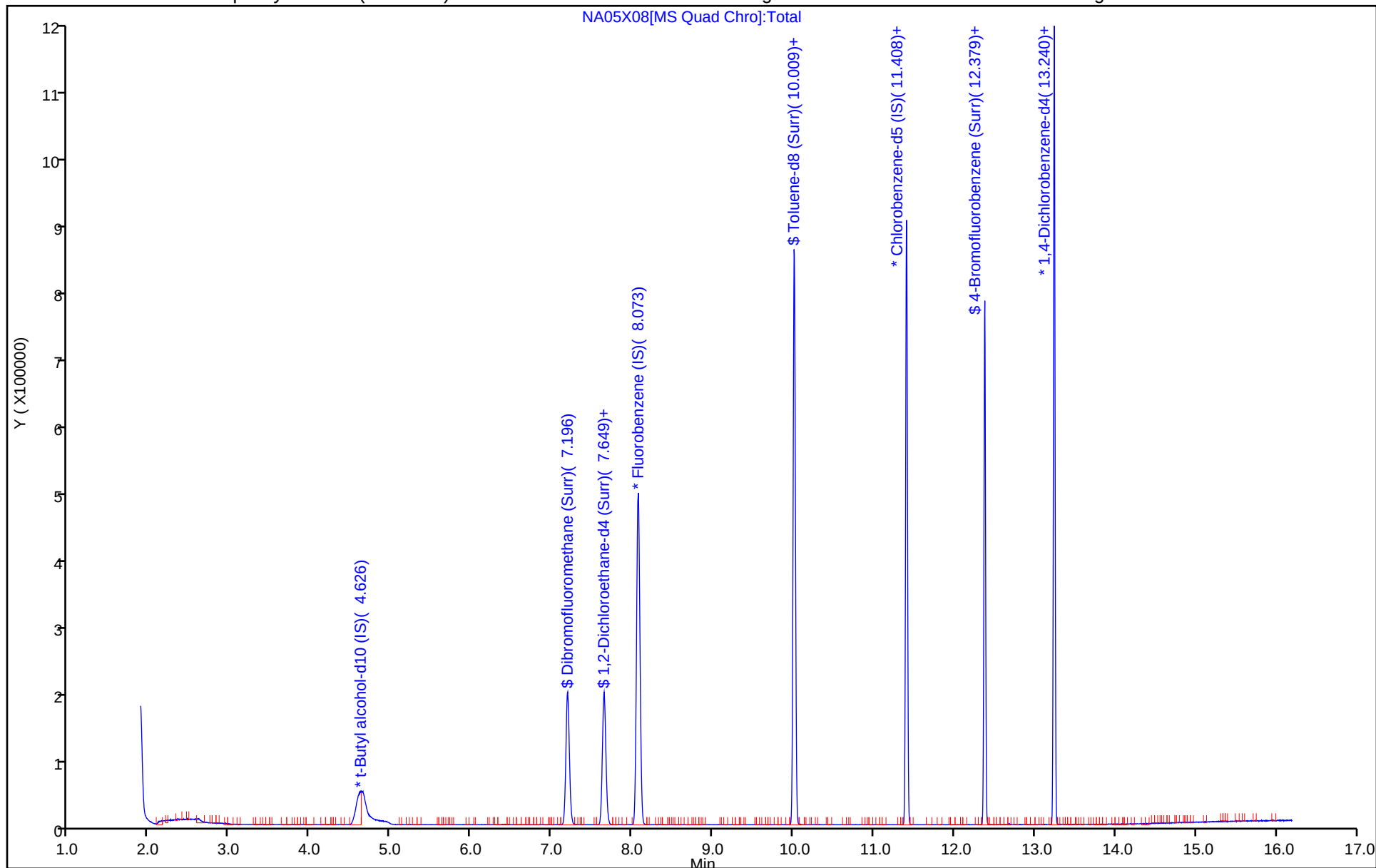
ALS Bottle#: 8

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X08.D
Lims ID: 410-214589-A-2
Client ID: HD-MW-6-0/1-0
Sample Type: Client
Inject. Date: 05-Apr-2025 11:21:40 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0143131-009
Operator ID: clm27445 Instrument ID: 7159
Method: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Apr-2025 21:09:15 Calib Date: 31-Mar-2025 16:43:59
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1727

First Level Reviewer: Y6ZN

Date: 06-Apr-2025 21:06:09

Compound	Amount Added	Amount Recovered	% Rec.
\$ 51 Dibromofluoromethane (Surr)	50.0	49.0	98.01
\$ 59 1,2-Dichloroethane-d4 (Surr)	50.0	51.4	102.87
\$ 81 Toluene-d8 (Surr)	50.0	50.4	100.80
\$ 125 4-Bromofluorobenzene (Surr)	50.0	48.8	97.60

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-214589-1

SDG No.:

Client Sample ID: HD-MW-88-0/1-0

Lab Sample ID: 410-214589-3

Matrix: Water

Lab File ID: NA05X09.D

Analysis Method: 8260D

Date Collected: 03/26/2025 14:30

Sample wt/vol: 5 (mL)

Date Analyzed: 04/05/2025 11:42

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 5.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 626753

Units: ug/L

Preparation Batch No.:

Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND	^c cn	2.0	0.55
156-59-2	cis-1,2-Dichloroethene	0.63	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	11		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-214589-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-MW-88-0/1-0 Lab Sample ID: 410-214589-3

Matrix: Water Lab File ID: NA05X09.D

Analysis Method: 8260D Date Collected: 03/26/2025 14:30

Sample wt/vol: 5 (mL) Date Analyzed: 04/05/2025 11:42

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 626753 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	1.5		1.0	0.30
75-01-4	Vinyl chloride	ND	^c cn	1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X09.D
 Lims ID: 410-214589-A-3
 Client ID: HD-MW-88-0/1-0
 Sample Type: Client
 Inject. Date: 05-Apr-2025 11:42:05 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0143131-010
 Operator ID: clm27445 Instrument ID: 7159
 Method: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Apr-2025 21:09:15 Calib Date: 31-Mar-2025 16:43:59
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1727

First Level Reviewer: Y6ZN

Date: 06-Apr-2025 21:07:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
6 Chloromethane	50		2.270				ND	
7 Vinyl chloride	62		2.401				ND	
10 Bromomethane	94		2.787				ND	
11 Chloroethane	64		2.871				ND	
19 1,1-Dichloroethene	96		3.832				ND	
21 Acetone	58		3.871				ND	
25 Carbon disulfide	76		4.192				ND	
28 Methylene Chloride	84		4.578				ND	
* 29 t-Butyl alcohol-d10 (IS)	65	4.623	4.630	-0.007	96	245491	250.0	
33 Methyl tert-butyl ether	73		4.983				ND	
34 trans-1,2-Dichloroethene	96		4.987				ND	
37 1,1-Dichloroethane	63	5.662	5.665	-0.003	1	1040	0.1459	Ma
43 2-Butanone (MEK)	43		6.479				ND	
44 cis-1,2-Dichloroethene	96	6.491	6.491	0.000	76	3183	0.6294	Ma
48 Chlorobromomethane	128		6.823				ND	
50 Chloroform	83		6.974				ND	
\$ 51 Dibromofluoromethane (Surr)	113	7.189	7.186	0.003	93	191640	49.5	
52 1,1,1-Trichloroethane	97		7.202				ND	
56 Carbon tetrachloride	117		7.398				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.639	7.643	-0.003	63	49896	51.8	M
60 Benzene	78		7.668				ND	
61 1,2-Dichloroethane	62		7.742				ND	
* 63 Fluorobenzene (IS)	96	8.070	8.064	0.006	99	734100	50.0	
67 Trichloroethene	95	8.536	8.530	0.006	0	6683	1.50	M
69 1,2-Dichloropropane	63		8.871				ND	
75 Dichlorobromomethane	83		9.202				ND	
79 cis-1,3-Dichloropropene	75		9.716				ND	
80 4-Methyl-2-pentanone (MIBK)	43		9.884				ND	
\$ 81 Toluene-d8 (Surr)	98	10.009	10.006	0.003	93	671156	49.6	
82 Toluene	92		10.080				ND	
105 trans-1,3-Dichloropropene	75		10.321				ND	
107 1,1,2-Trichloroethane	97		10.520				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.600	10.594	0.006	96	50006	11.2	
110 2-Hexanone	43		10.723				ND	
111 Chlorodibromomethane	129		10.880				ND	
112 Ethylene Dibromide	107		10.990				ND	
S 113 Xylenes, Total	106		11.245				ND	7
* 114 Chlorobenzene-d5 (IS)	117	11.407	11.404	0.003	85	520767	50.0	
116 Chlorobenzene	112		11.430				ND	
117 1,1,1,2-Tetrachloroethane	131		11.507				ND	
118 Ethylbenzene	91		11.511				ND	
119 m-Xylene & p-Xylene	106		11.620				ND	
120 o-Xylene	106		11.941				ND	
121 Styrene	104		11.954				ND	
122 Bromoform	173		12.112				ND	
\$ 125 4-Bromofluorobenzene (Surr)	95	12.378	12.376	0.002	89	238535	48.4	
126 1,1,2,2-Tetrachloroethane	83		12.472				ND	
* 140 1,4-Dichlorobenzene-d4	152	13.243	13.240	0.003	95	283761	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_Cent_ISSS_00035

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 06-Apr-2025 21:10:27

Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X09.D

Injection Date: 05-Apr-2025 11:42:05

Instrument ID: 7159

Operator ID: clm27445

Lims ID: 410-214589-A-3

Lab Sample ID: 410-214589-3

Worklist Smp#: 10

Client ID: HD-MW-88-0/1-0

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

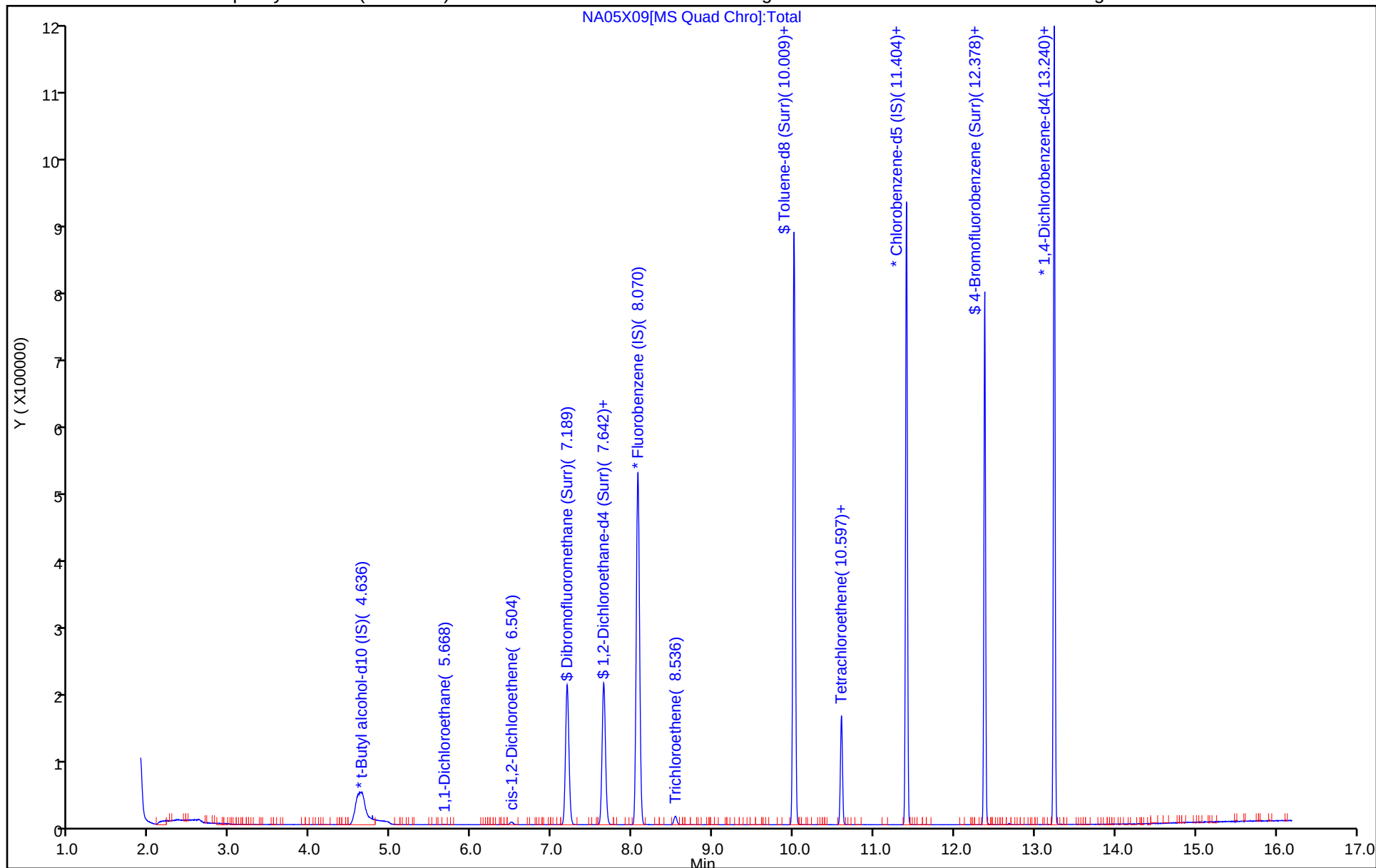
ALS Bottle#: 9

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X09.D
 Lims ID: 410-214589-A-3
 Client ID: HD-MW-88-0/1-0
 Sample Type: Client
 Inject. Date: 05-Apr-2025 11:42:05 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0143131-010
 Operator ID: clm27445 Instrument ID: 7159
 Method: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Apr-2025 21:09:15 Calib Date: 31-Mar-2025 16:43:59
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1727

First Level Reviewer: Y6ZN

Date: 06-Apr-2025 21:07:09

Compound	Amount Added	Amount Recovered	% Rec.
\$ 51 Dibromofluoromethane (Surr)	50.0	49.5	99.03
\$ 59 1,2-Dichloroethane-d4 (Surr)	50.0	51.8	103.66
\$ 81 Toluene-d8 (Surr)	50.0	49.6	99.19
\$ 125 4-Bromofluorobenzene (Surr)	50.0	48.4	96.78

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X09.D

Injection Date: 05-Apr-2025 11:42:05

Instrument ID: 7159

Lims ID: 410-214589-A-3

Lab Sample ID: 410-214589-3

Client ID: HD-MW-88-0/1-0

Operator ID: clm27445

ALS Bottle#: 9

Worklist Smp#: 10

Purge Vol: 5.000 mL

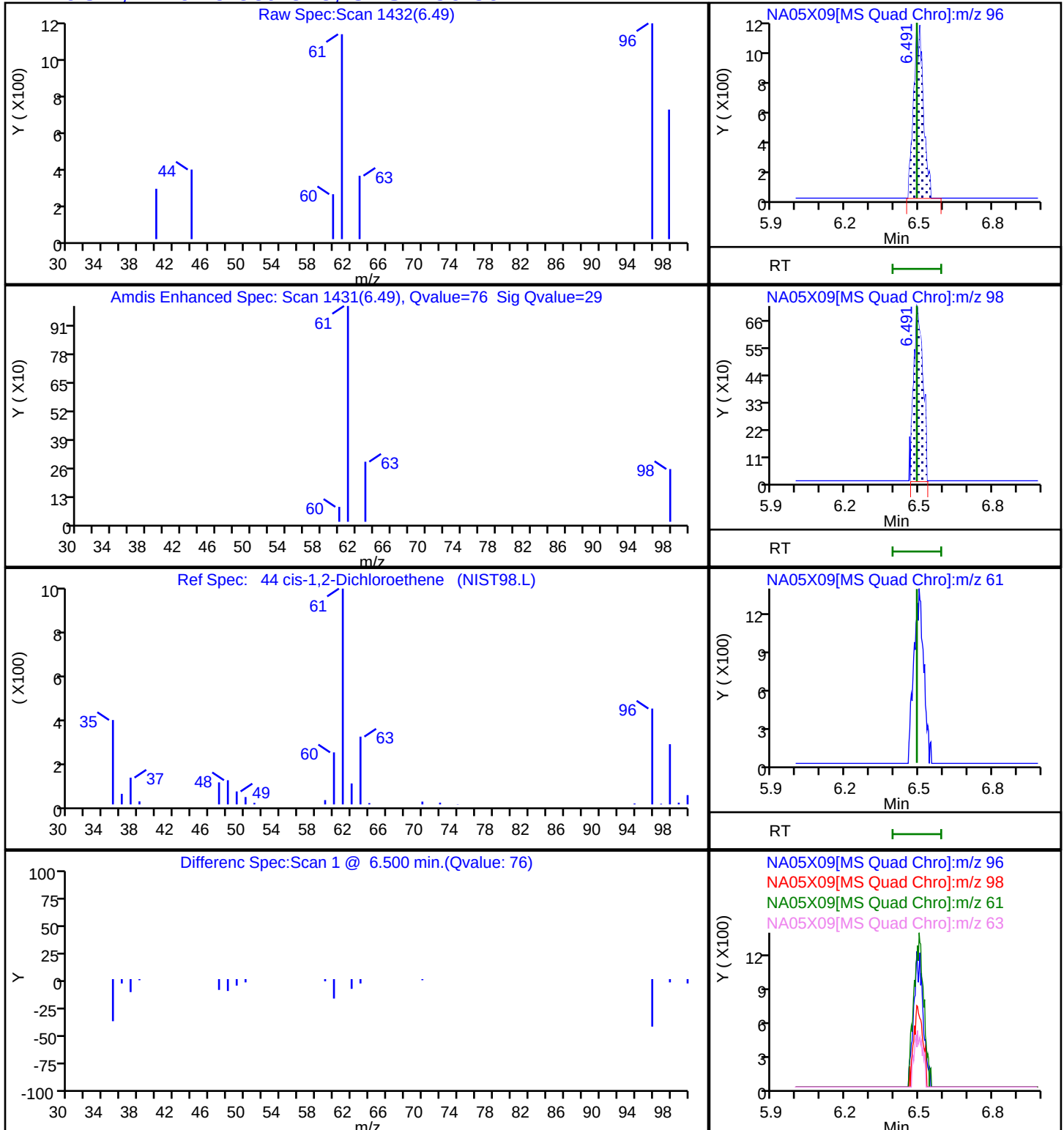
Dil. Factor: 1.0000

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm ID) x 100 m

MS Quad

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

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X09.D

Injection Date: 05-Apr-2025 11:42:05

Instrument ID: 7159

Lims ID: 410-214589-A-3

Lab Sample ID: 410-214589-3

Client ID: HD-MW-88-0/1-0

Operator ID: clm27445

ALS Bottle#: 9

Worklist Smp#: 10

Purge Vol: 5.000 mL

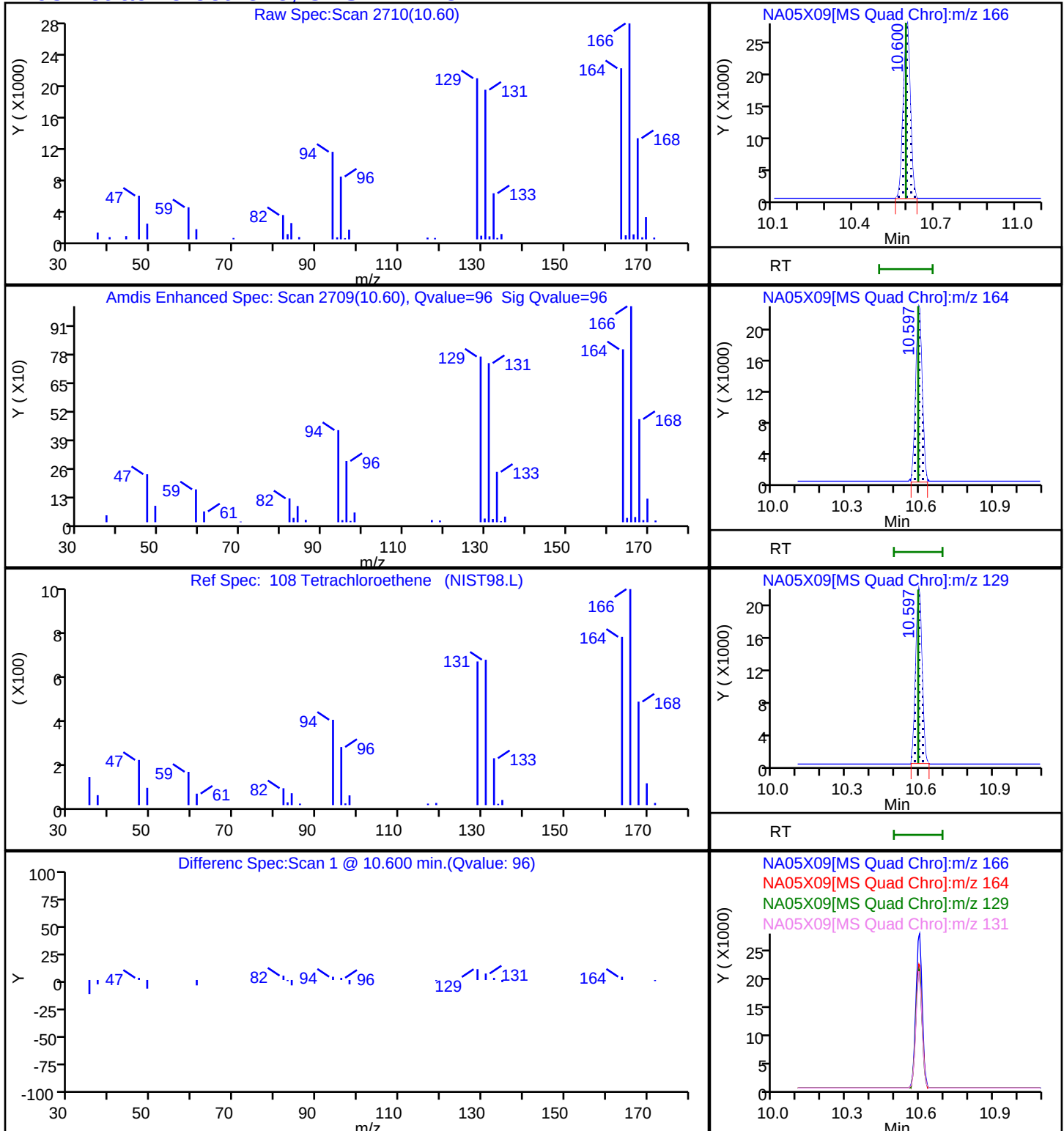
Dil. Factor: 1.0000

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

MS Quad

108 Tetrachloroethene, CAS: 127-18-4

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X09.D

Injection Date: 05-Apr-2025 11:42:05

Instrument ID: 7159

Lims ID: 410-214589-A-3

Lab Sample ID: 410-214589-3

Client ID: HD-MW-88-0/1-0

Operator ID: clm27445

ALS Bottle#: 9

Worklist Smp#: 10

Purge Vol: 5.000 mL

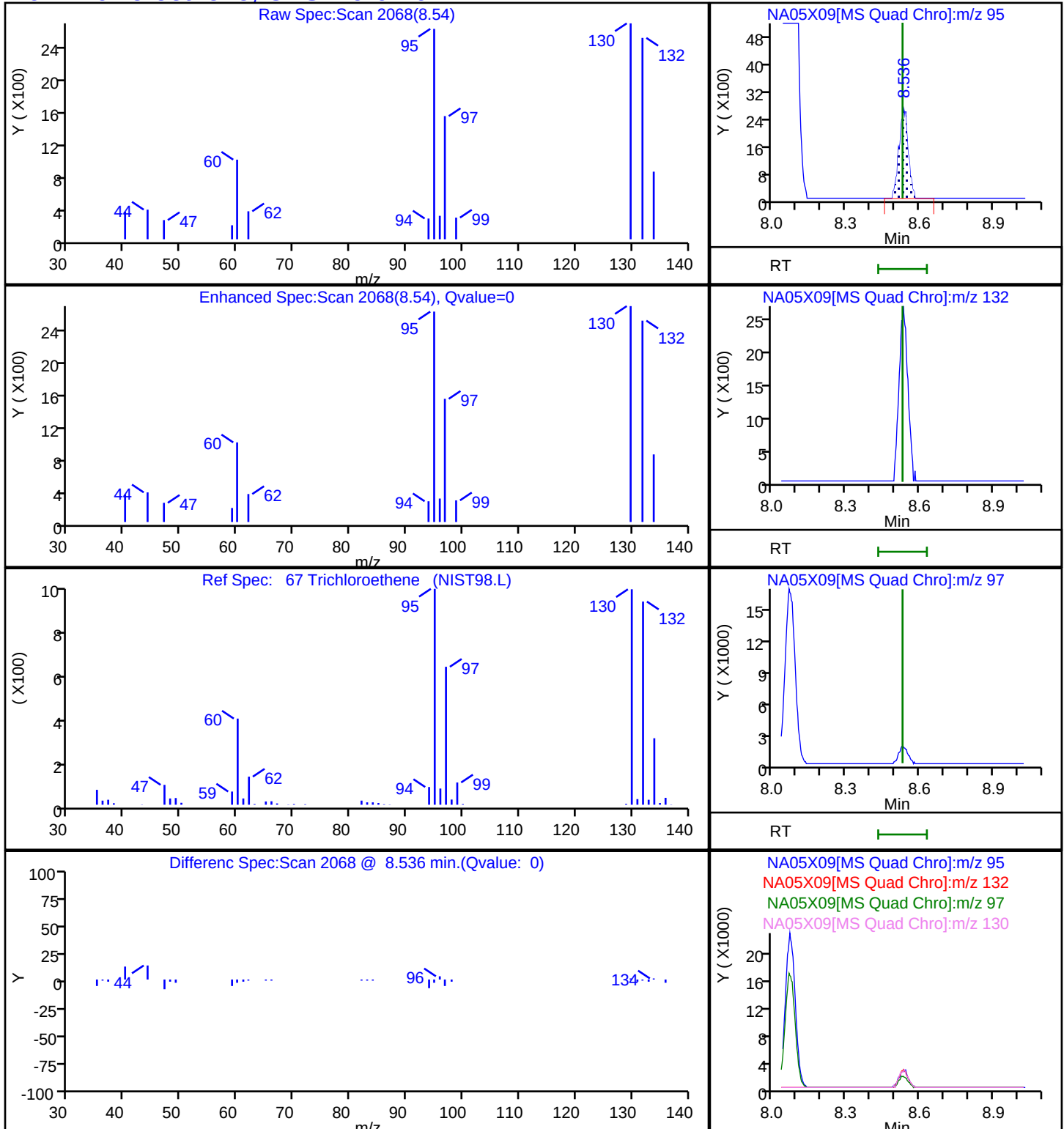
Dil. Factor: 1.0000

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm ID) x 150 m

MS Quad

67 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

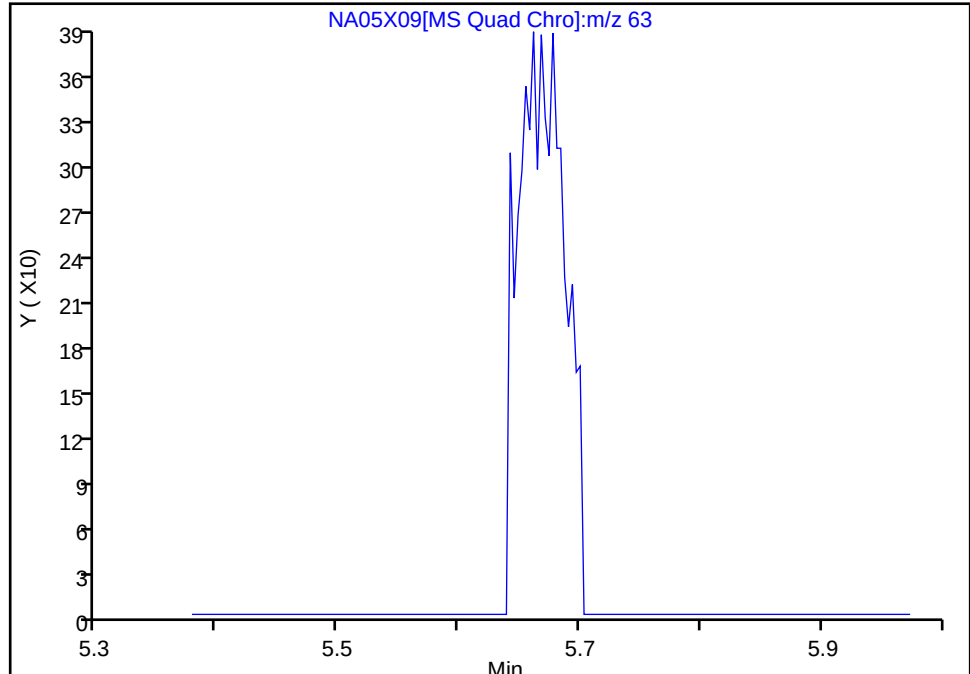
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X09.D
Injection Date: 05-Apr-2025 11:42:05 Instrument ID: 7159
Lims ID: 410-214589-A-3 Lab Sample ID: 410-214589-3
Client ID: HD-MW-88-0/1-0
Operator ID: clm27445 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

37 1,1-Dichloroethane, CAS: 75-34-3

Signal: 1

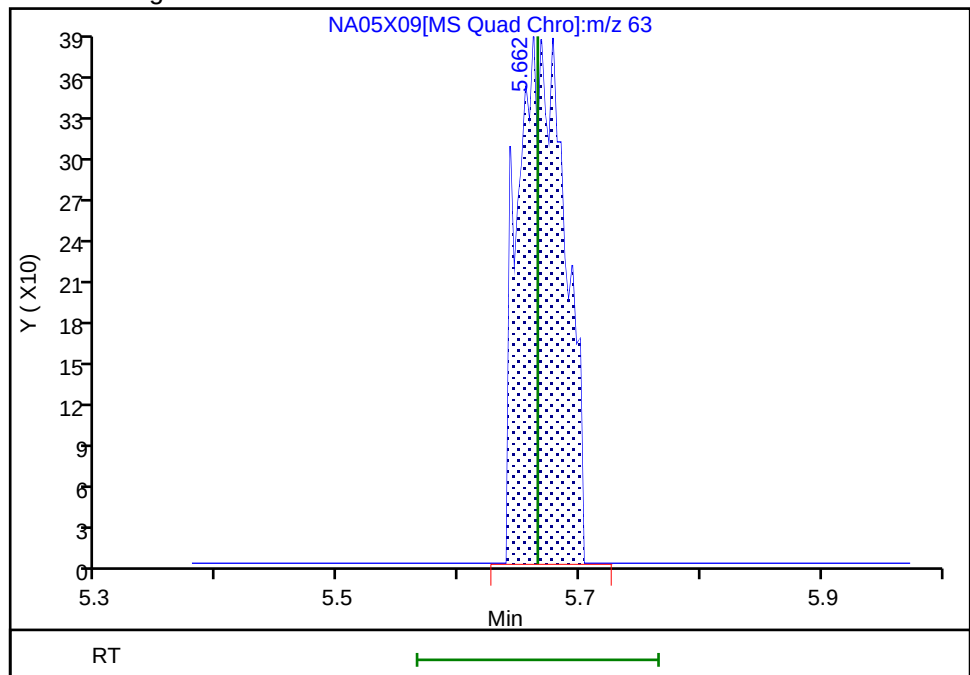
Not Detected
Expected RT: 5.67

Processing Integration Results



RT: 5.66
Area: 1040
Amount: 0.145932
Amount Units: ug/l

Manual Integration Results



Reviewer: Y6ZN, 06-Apr-2025 21:06:45 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

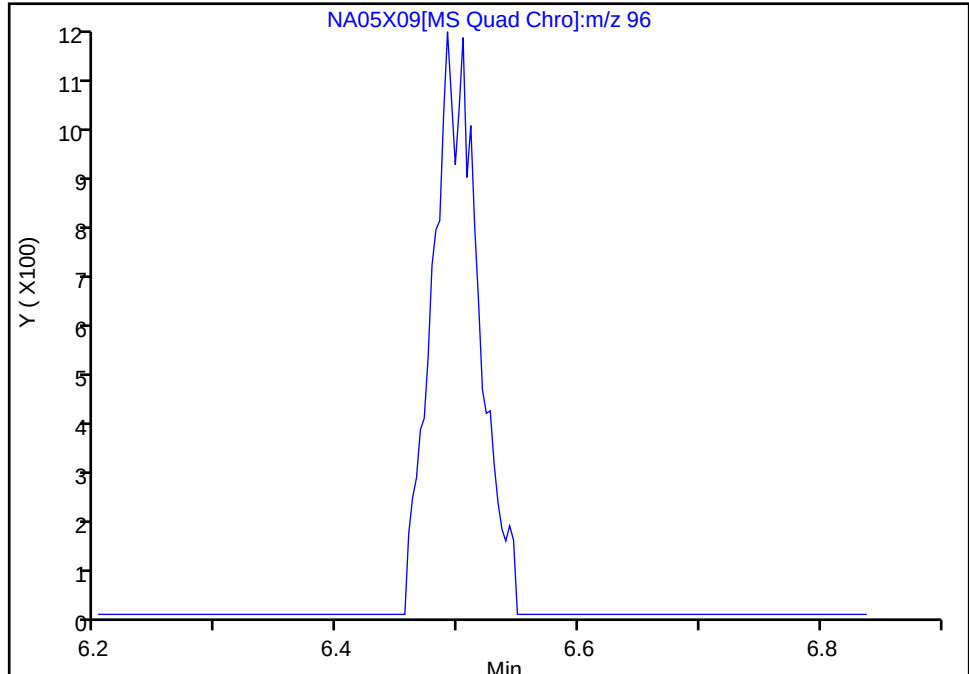
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X09.D
Injection Date: 05-Apr-2025 11:42:05 Instrument ID: 7159
Lims ID: 410-214589-A-3 Lab Sample ID: 410-214589-3
Client ID: HD-MW-88-0/1-0
Operator ID: clm27445 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

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

Signal: 1

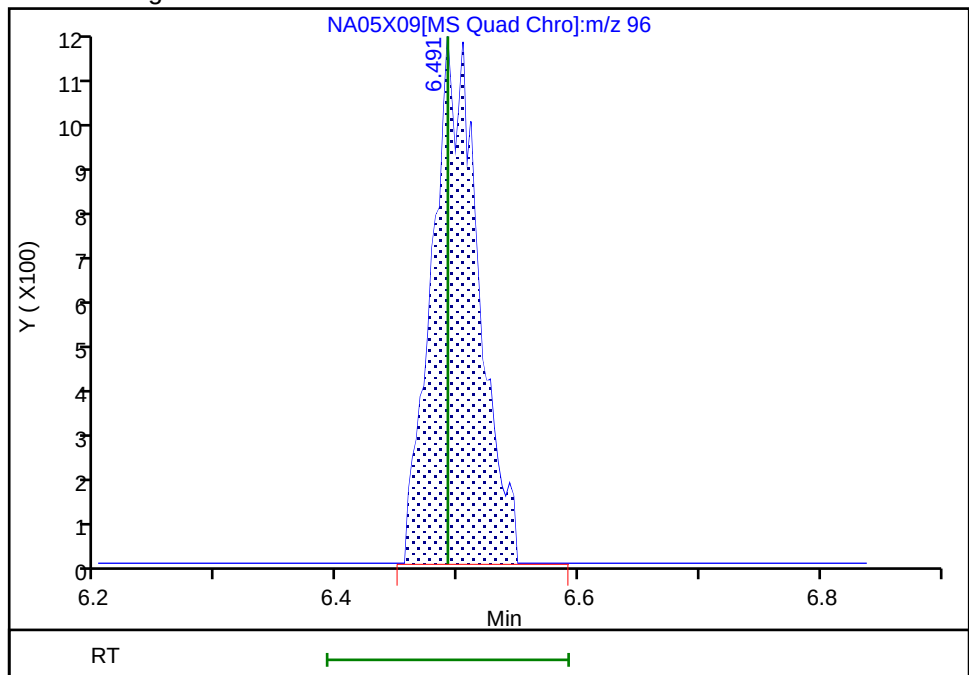
Not Detected
Expected RT: 6.49

Processing Integration Results



RT: 6.49
Area: 3183
Amount: 0.629384
Amount Units: ug/l

Manual Integration Results



Reviewer: Y6ZN, 06-Apr-2025 21:06:53 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

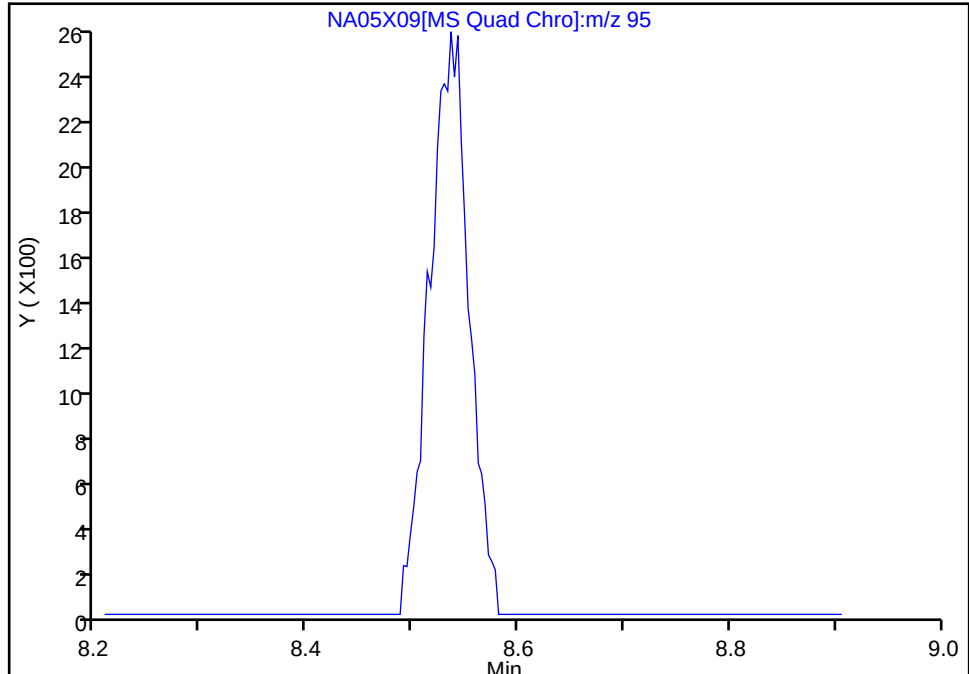
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X09.D
Injection Date: 05-Apr-2025 11:42:05 Instrument ID: 7159
Lims ID: 410-214589-A-3 Lab Sample ID: 410-214589-3
Client ID: HD-MW-88-0/1-0
Operator ID: clm27445 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

67 Trichloroethene, CAS: 79-01-6

Signal: 1

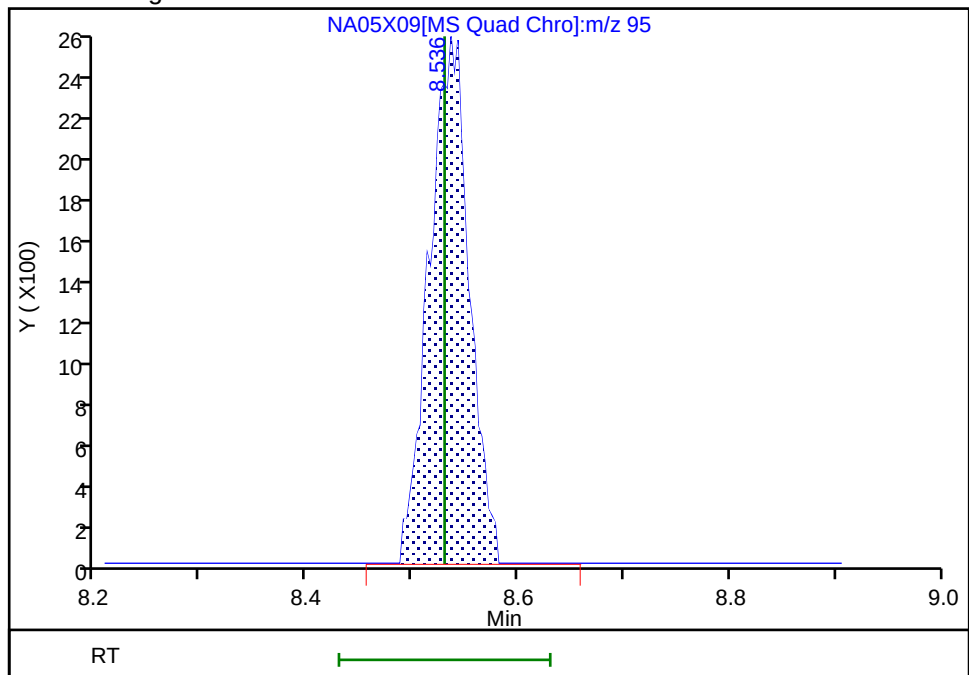
Not Detected
Expected RT: 8.53

Processing Integration Results



RT: 8.54
Area: 6683
Amount: 1.503002
Amount Units: ug/l

Manual Integration Results



Reviewer: Y6ZN, 06-Apr-2025 21:06:59 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

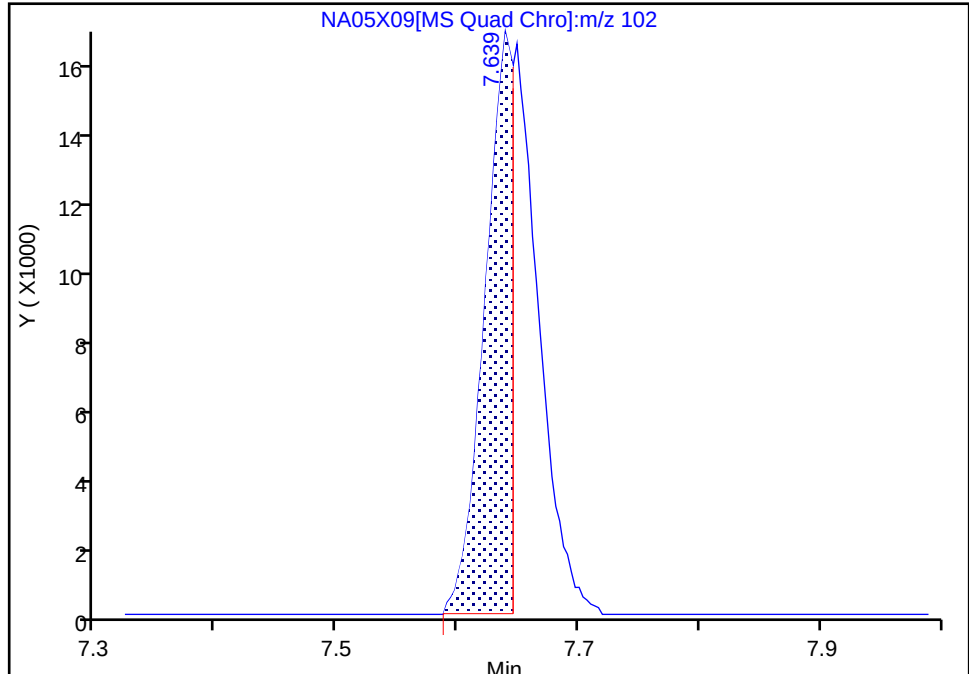
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X09.D
Injection Date: 05-Apr-2025 11:42:05 Instrument ID: 7159
Lims ID: 410-214589-A-3 Lab Sample ID: 410-214589-3
Client ID: HD-MW-88-0/1-0
Operator ID: clm27445 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

\$ 59 1,2-Dichloroethane-d4 (Surr), CAS: 17060-07-0

Signal: 1

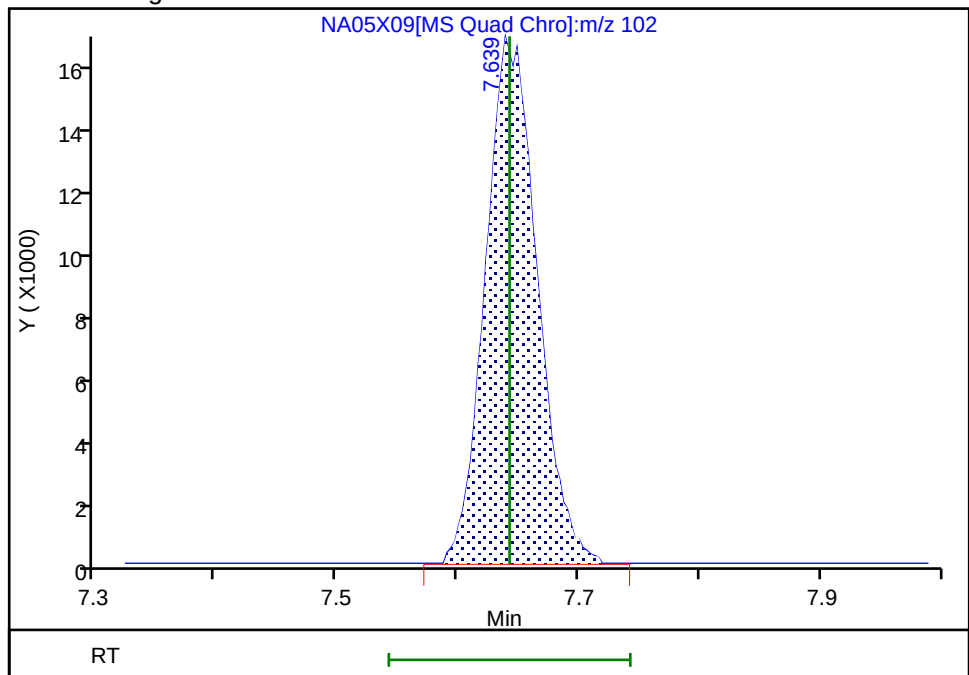
RT: 7.64
Area: 27273
Amount: 28.330613
Amount Units: ug/l

Processing Integration Results



RT: 7.64
Area: 49896
Amount: 51.830904
Amount Units: ug/l

Manual Integration Results



Reviewer: Y6ZN, 06-Apr-2025 21:06:24 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-214589-1

SDG No.:

Client Sample ID: HD-MW-101S-0/1-0

Lab Sample ID: 410-214589-4

Matrix: Water

Lab File ID: NA05X10.D

Analysis Method: 8260D

Date Collected: 03/26/2025 11:43

Sample wt/vol: 5(mL)

Date Analyzed: 04/05/2025 12:02

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 5.0(mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 626753

Units: ug/L

Preparation Batch No.:

Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND	^c cn	2.0	0.55
156-59-2	cis-1,2-Dichloroethene	0.31	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	3.0		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-214589-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-MW-101S-0/1-0 Lab Sample ID: 410-214589-4

Matrix: Water Lab File ID: NA05X10.D

Analysis Method: 8260D Date Collected: 03/26/2025 11:43

Sample wt/vol: 5 (mL) Date Analyzed: 04/05/2025 12:02

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 626753 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	0.50	J	1.0	0.30
75-01-4	Vinyl chloride	ND	^c cn	1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		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\7159\20250405-143131.b\NA05X10.D
 Lims ID: 410-214589-A-4
 Client ID: HD-MW-101S-0/1-0
 Sample Type: Client
 Inject. Date: 05-Apr-2025 12:02:35 ALS Bottle#: 10 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0143131-011
 Operator ID: clm27445 Instrument ID: 7159
 Method: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Apr-2025 21:09:15 Calib Date: 31-Mar-2025 16:43:59
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1727

First Level Reviewer: Y6ZN

Date: 06-Apr-2025 21:07:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
6 Chloromethane	50		2.270				ND	
7 Vinyl chloride	62		2.401				ND	
10 Bromomethane	94		2.787				ND	
11 Chloroethane	64		2.871				ND	
19 1,1-Dichloroethene	96		3.832				ND	
21 Acetone	58		3.871				ND	
25 Carbon disulfide	76		4.192				ND	
28 Methylene Chloride	84		4.578				ND	
* 29 t-Butyl alcohol-d10 (IS)	65	4.639	4.630	0.009	89	251650	250.0	
33 Methyl tert-butyl ether	73		4.983				ND	
34 trans-1,2-Dichloroethene	96		4.987				ND	
37 1,1-Dichloroethane	63		5.665				ND	
43 2-Butanone (MEK)	43		6.479				ND	
44 cis-1,2-Dichloroethene	96	6.495	6.491	0.004	0	1492	0.3089	M
48 Chlorobromomethane	128		6.823				ND	
50 Chloroform	83	6.967	6.974	-0.007	0	1073	0.1497	M
\$ 51 Dibromofluoromethane (Surr)	113	7.189	7.186	0.003	93	182742	49.4	
52 1,1,1-Trichloroethane	97	7.209	7.202	0.007	55	725	0.1040	
56 Carbon tetrachloride	117		7.398				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.643	7.643	0.001	64	47993	52.2	
60 Benzene	78		7.668				ND	
61 1,2-Dichloroethane	62		7.742				ND	
* 63 Fluorobenzene (IS)	96	8.070	8.064	0.006	99	701101	50.0	
67 Trichloroethene	95	8.530	8.530	0.000	0	2110	0.4969	M
69 1,2-Dichloropropane	63		8.871				ND	
75 Dichlorobromomethane	83		9.202				ND	
79 cis-1,3-Dichloropropene	75		9.716				ND	
80 4-Methyl-2-pentanone (MIBK)	43		9.884				ND	
\$ 81 Toluene-d8 (Surr)	98	10.009	10.006	0.003	93	639785	50.3	
82 Toluene	92		10.080				ND	
105 trans-1,3-Dichloropropene	75		10.321				ND	
107 1,1,2-Trichloroethane	97		10.520				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.598	10.594	0.004	96	12654	3.02	
110 2-Hexanone	43		10.723				ND	
111 Chlorodibromomethane	129		10.880				ND	
112 Ethylene Dibromide	107		10.990				ND	
S 113 Xylenes, Total	106		11.245				ND	7
* 114 Chlorobenzene-d5 (IS)	117	11.405	11.404	0.001	85	489232	50.0	
116 Chlorobenzene	112		11.430				ND	
117 1,1,1,2-Tetrachloroethane	131		11.507				ND	
118 Ethylbenzene	91		11.511				ND	
119 m-Xylene & p-Xylene	106		11.620				ND	
120 o-Xylene	106		11.941				ND	
121 Styrene	104		11.954				ND	
122 Bromoform	173		12.112				ND	
\$ 125 4-Bromofluorobenzene (Surr)	95	12.376	12.376	0.000	92	224485	48.5	
126 1,1,2,2-Tetrachloroethane	83		12.472				ND	
* 140 1,4-Dichlorobenzene-d4	152	13.241	13.240	0.001	95	267203	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_Cent_ISSS_00035

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 06-Apr-2025 21:10:29

Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X10.D

Injection Date: 05-Apr-2025 12:02:35

Instrument ID: 7159

Operator ID: clm27445

Lims ID: 410-214589-A-4

Lab Sample ID: 410-214589-4

Worklist Smp#: 11

Client ID: HD-MW-101S-0/1-0

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

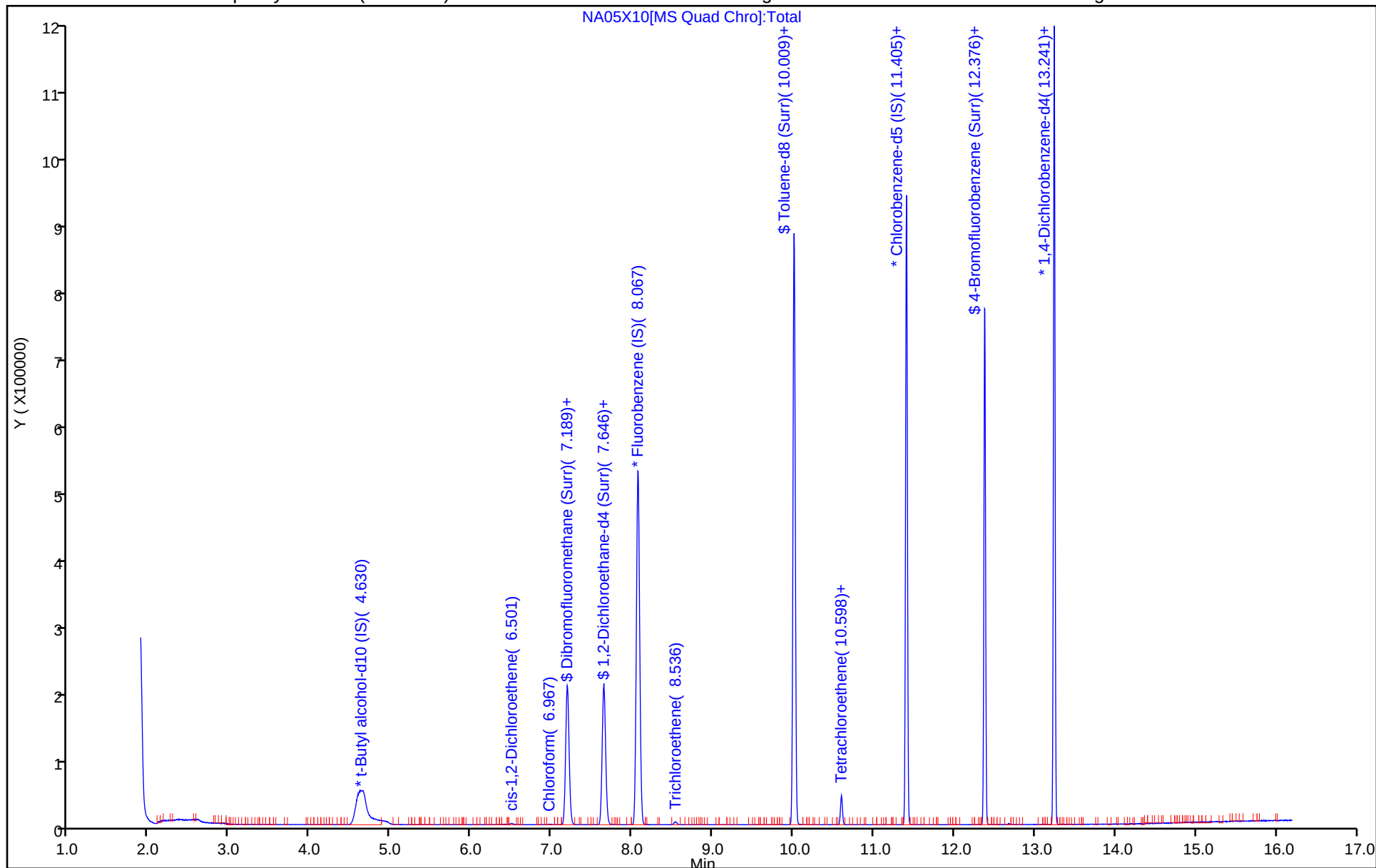
ALS Bottle#: 10

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X10.D
Lims ID: 410-214589-A-4
Client ID: HD-MW-101S-0/1-0
Sample Type: Client
Inject. Date: 05-Apr-2025 12:02:35 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0143131-011
Operator ID: clm27445 Instrument ID: 7159
Method: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Apr-2025 21:09:15 Calib Date: 31-Mar-2025 16:43:59
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1727

First Level Reviewer: Y6ZN

Date: 06-Apr-2025 21:07:51

Compound	Amount Added	Amount Recovered	% Rec.
\$ 51 Dibromofluoromethane (Surr)	50.0	49.4	98.88
\$ 59 1,2-Dichloroethane-d4 (Surr)	50.0	52.2	104.40
\$ 81 Toluene-d8 (Surr)	50.0	50.3	100.65
\$ 125 4-Bromofluorobenzene (Surr)	50.0	48.5	96.95

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X10.D

Injection Date: 05-Apr-2025 12:02:35

Instrument ID: 7159

Lims ID: 410-214589-A-4

Lab Sample ID: 410-214589-4

Client ID: HD-MW-101S-0/1-0

Operator ID: clm27445

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 5.000 mL

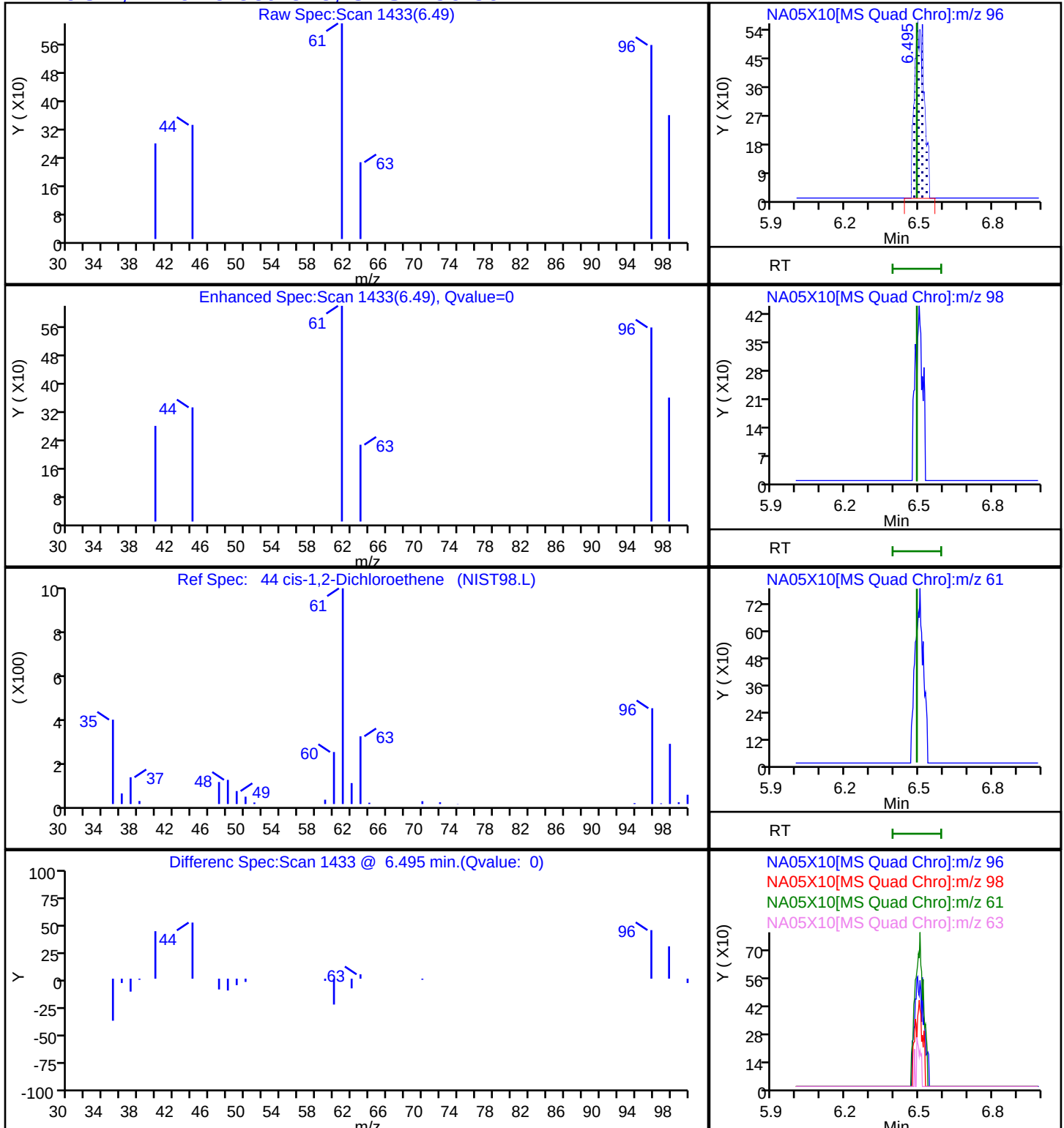
Dil. Factor: 1.0000

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

MS Quad

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

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X10.D

Injection Date: 05-Apr-2025 12:02:35

Instrument ID: 7159

Lims ID: 410-214589-A-4

Lab Sample ID: 410-214589-4

Client ID: HD-MW-101S-0/1-0

Operator ID: clm27445

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 5.000 mL

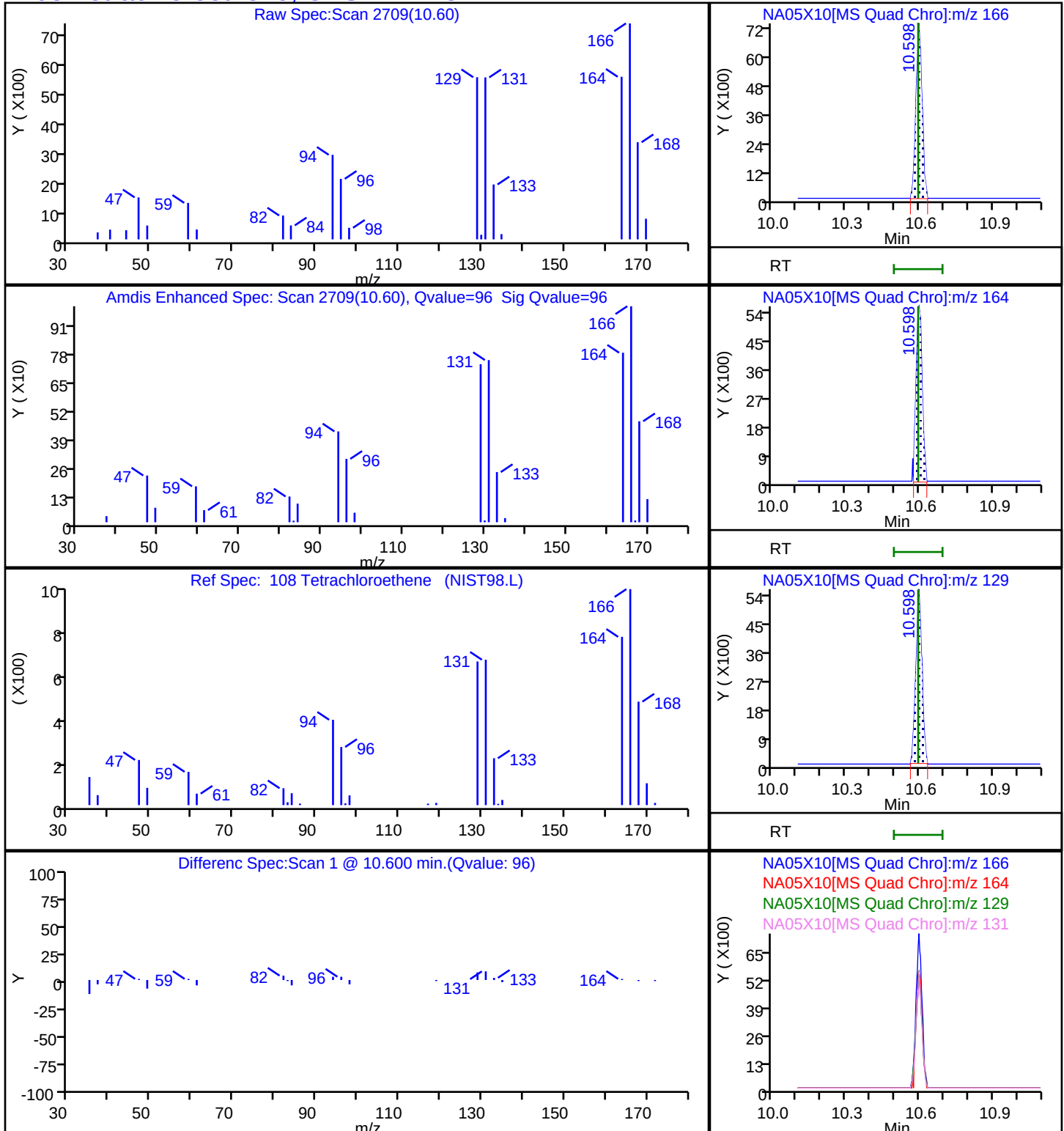
Dil. Factor: 1.0000

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

MS Quad

108 Tetrachloroethene, CAS: 127-18-4

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X10.D

Injection Date: 05-Apr-2025 12:02:35

Instrument ID: 7159

Lims ID: 410-214589-A-4

Lab Sample ID: 410-214589-4

Client ID: HD-MW-101S-0/1-0

Operator ID: clm27445

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 5.000 mL

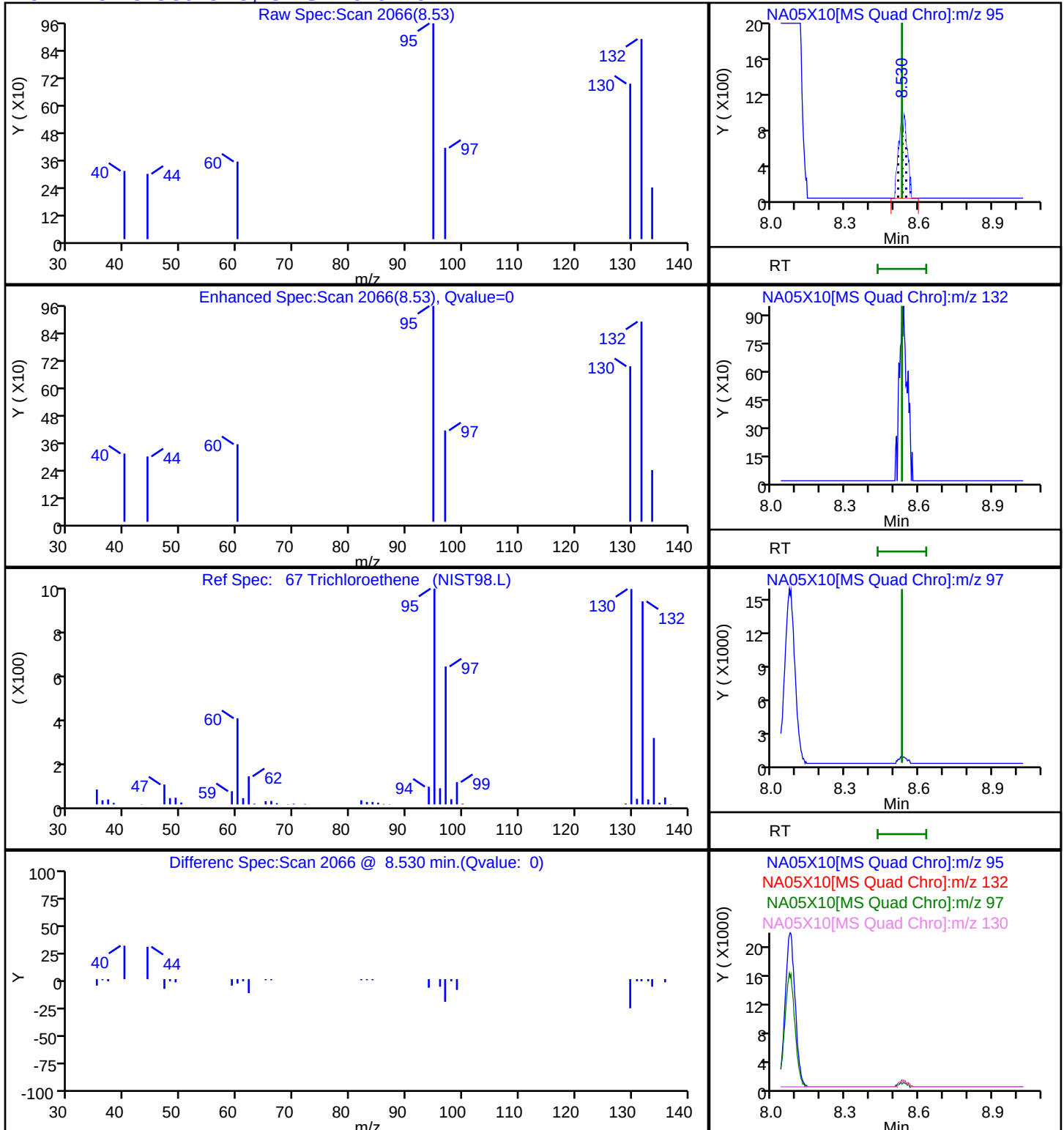
Dil. Factor: 1.0000

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

MS Quad

67 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

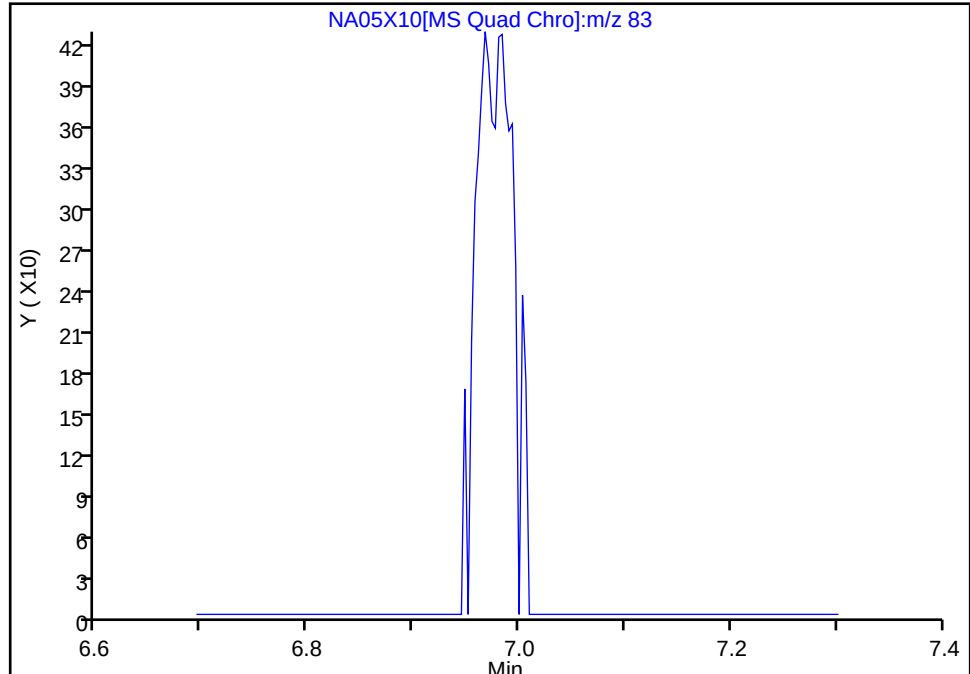
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X10.D
Injection Date: 05-Apr-2025 12:02:35 Instrument ID: 7159
Lims ID: 410-214589-A-4 Lab Sample ID: 410-214589-4
Client ID: HD-MW-101S-0/1-0
Operator ID: clm27445 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

50 Chloroform, CAS: 67-66-3

Signal: 1

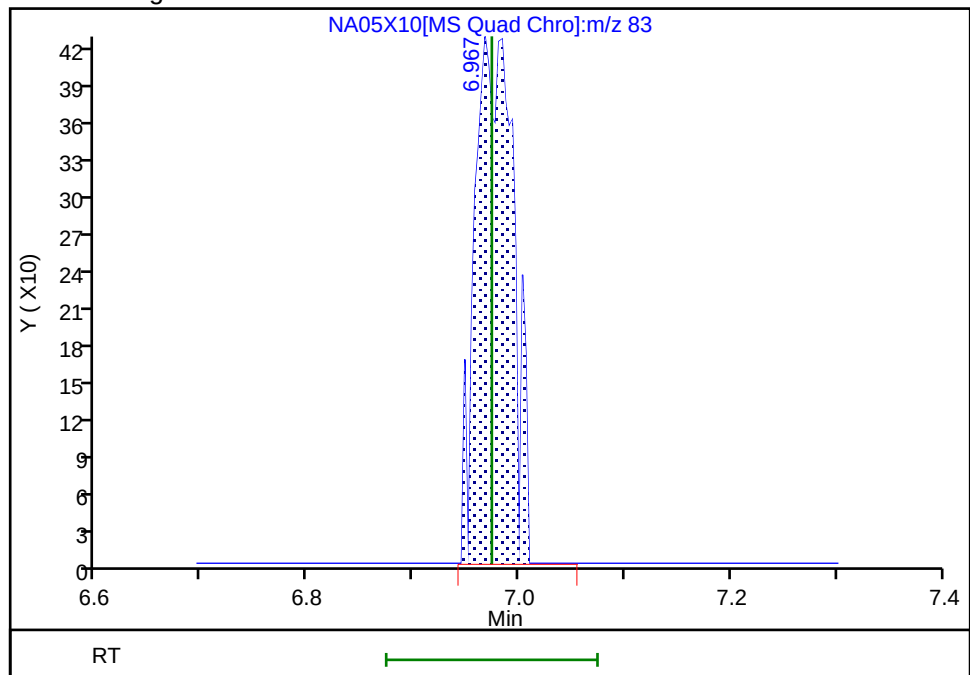
Not Detected
Expected RT: 6.97

Processing Integration Results



RT: 6.97
Area: 1073
Amount: 0.149750
Amount Units: ug/l

Manual Integration Results



Reviewer: Y6ZN, 06-Apr-2025 21:07:33 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

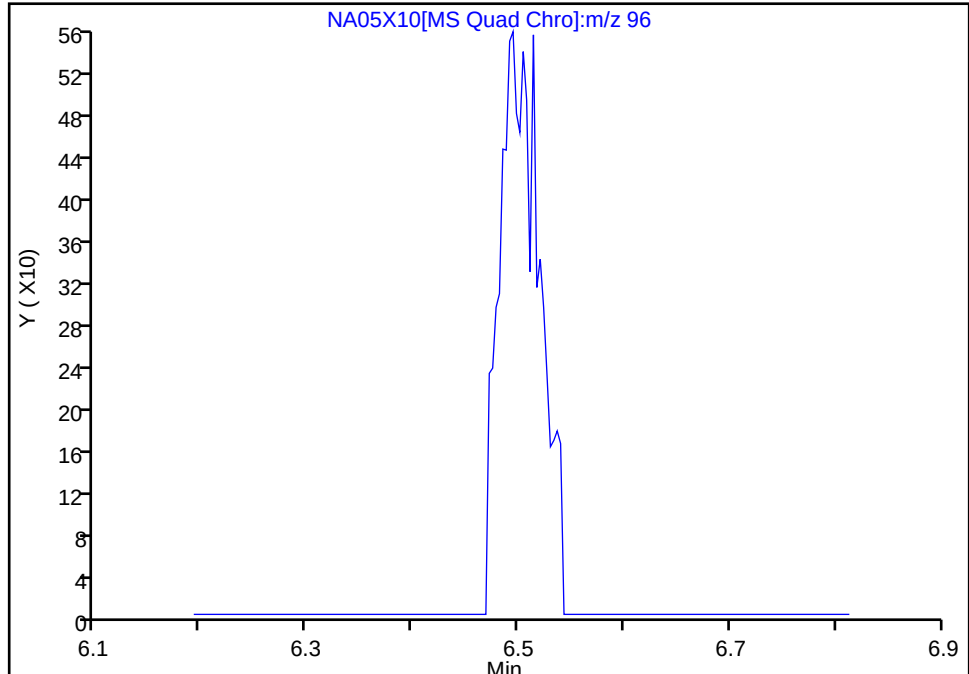
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X10.D
Injection Date: 05-Apr-2025 12:02:35 Instrument ID: 7159
Lims ID: 410-214589-A-4 Lab Sample ID: 410-214589-4
Client ID: HD-MW-101S-0/1-0
Operator ID: clm27445 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

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

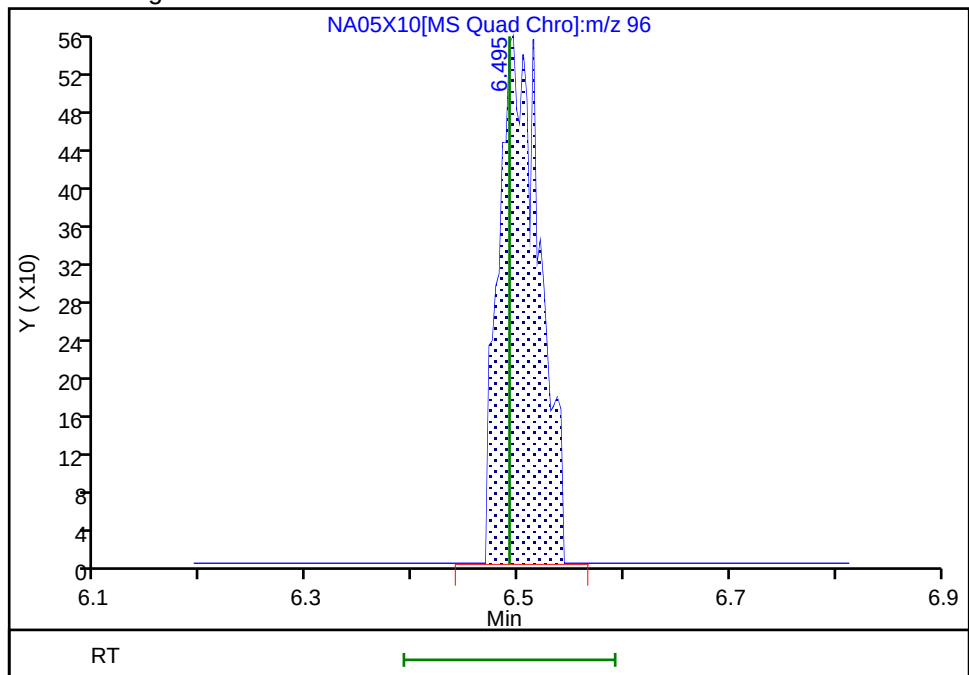
Signal: 1

Not Detected
Expected RT: 6.49

Processing Integration Results



Manual Integration Results



RT: 6.49
Area: 1492
Amount: 0.308903
Amount Units: ug/l

Reviewer: Y6ZN, 06-Apr-2025 21:07:29 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

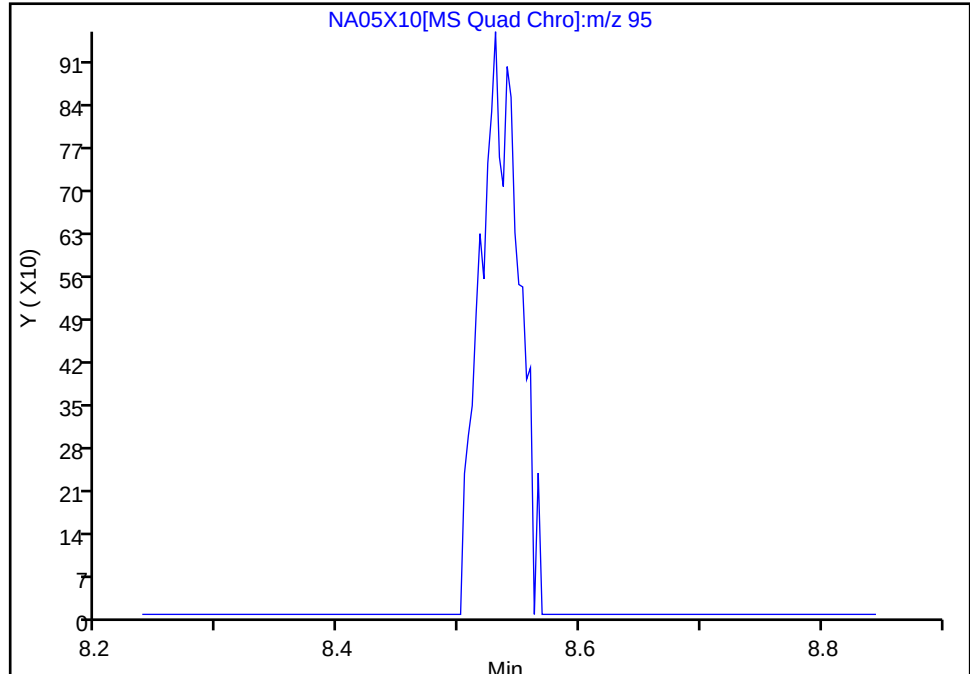
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X10.D
Injection Date: 05-Apr-2025 12:02:35 Instrument ID: 7159
Lims ID: 410-214589-A-4 Lab Sample ID: 410-214589-4
Client ID: HD-MW-101S-0/1-0
Operator ID: clm27445 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

67 Trichloroethene, CAS: 79-01-6

Signal: 1

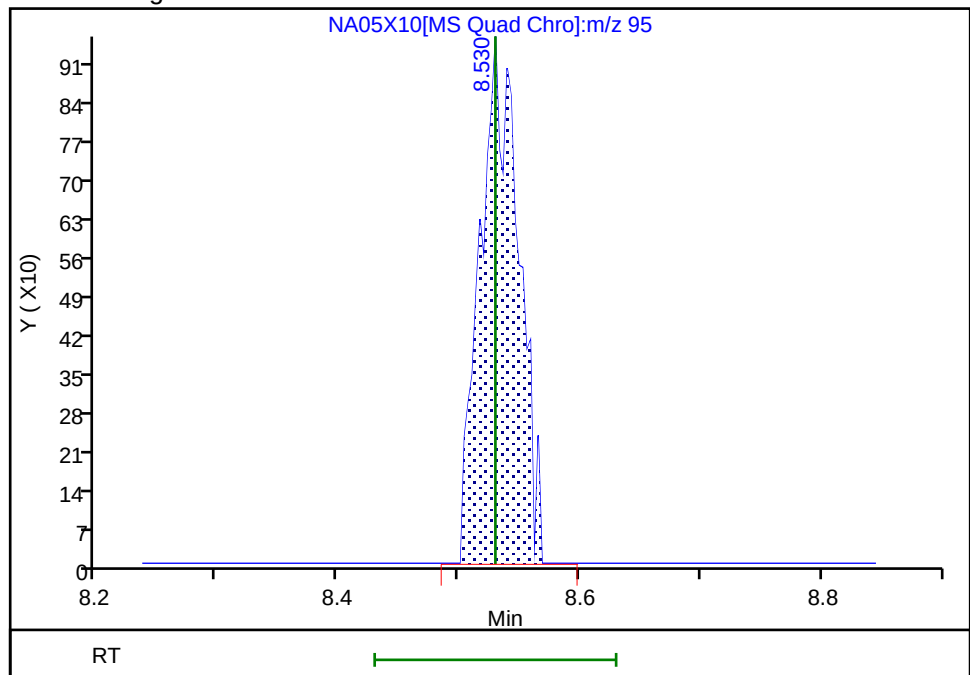
Not Detected
Expected RT: 8.53

Processing Integration Results



RT: 8.53
Area: 2110
Amount: 0.496873
Amount Units: ug/l

Manual Integration Results



Reviewer: Y6ZN, 06-Apr-2025 21:07:42 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-214589-1

SDG No.:

Client Sample ID: HD-MW-101D-0/1-0

Lab Sample ID: 410-214589-5

Matrix: Water

Lab File ID: NA05X11.D

Analysis Method: 8260D

Date Collected: 03/26/2025 10:37

Sample wt/vol: 5 (mL)

Date Analyzed: 04/05/2025 12:22

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 5.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 626753

Units: ug/L

Preparation Batch No.:

Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	0.54	J	1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND	^c cn	2.0	0.55
156-59-2	cis-1,2-Dichloroethene	7.0		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	3.1		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-214589-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-MW-101D-0/1-0 Lab Sample ID: 410-214589-5

Matrix: Water Lab File ID: NA05X11.D

Analysis Method: 8260D Date Collected: 03/26/2025 10:37

Sample wt/vol: 5 (mL) Date Analyzed: 04/05/2025 12:22

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 626753 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	3.4		1.0	0.30
75-01-4	Vinyl chloride	ND	^c cn	1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		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\7159\20250405-143131.b\NA05X11.D
 Lims ID: 410-214589-A-5
 Client ID: HD-MW-101D-0/1-0
 Sample Type: Client
 Inject. Date: 05-Apr-2025 12:22:35 ALS Bottle#: 11 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0143131-012
 Operator ID: clm27445 Instrument ID: 7159
 Method: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Apr-2025 21:09:15 Calib Date: 31-Mar-2025 16:43:59
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1727

First Level Reviewer: Y6ZN

Date: 06-Apr-2025 21:08:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
6 Chloromethane	50		2.270				ND	
7 Vinyl chloride	62		2.401				ND	
10 Bromomethane	94		2.787				ND	
11 Chloroethane	64		2.871				ND	
19 1,1-Dichloroethene	96		3.832				ND	7
21 Acetone	58		3.871				ND	
25 Carbon disulfide	76		4.192				ND	
28 Methylene Chloride	84		4.578				ND	
* 29 t-Butyl alcohol-d10 (IS)	65	4.623	4.630	-0.007	95	245015	250.0	
33 Methyl tert-butyl ether	73		4.983				ND	
34 trans-1,2-Dichloroethene	96		4.987				ND	
37 1,1-Dichloroethane	63		5.665				ND	
43 2-Butanone (MEK)	43		6.479				ND	
44 cis-1,2-Dichloroethene	96	6.501	6.491	0.010	79	33238	7.04	
48 Chlorobromomethane	128		6.823				ND	
50 Chloroform	83	6.983	6.974	0.009	0	1786	0.2549	M
\$ 51 Dibromofluoromethane (Surr)	113	7.195	7.186	0.009	93	178693	49.4	
52 1,1,1-Trichloroethane	97		7.202				ND	
56 Carbon tetrachloride	117		7.398				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.649	7.643	0.007	65	46464	51.7	
60 Benzene	78	7.681	7.668	0.013	93	8791	0.5405	M
61 1,2-Dichloroethane	62		7.742				ND	
* 63 Fluorobenzene (IS)	96	8.073	8.064	0.009	99	685513	50.0	
67 Trichloroethene	95	8.539	8.530	0.009	0	14027	3.38	M
69 1,2-Dichloropropane	63		8.871				ND	
75 Dichlorobromomethane	83		9.202				ND	
79 cis-1,3-Dichloropropene	75		9.716				ND	
80 4-Methyl-2-pentanone (MIBK)	43		9.884				ND	
\$ 81 Toluene-d8 (Surr)	98	10.009	10.006	0.003	93	632325	50.0	
82 Toluene	92		10.080				ND	7
105 trans-1,3-Dichloropropene	75		10.321				ND	
107 1,1,2-Trichloroethane	97		10.520				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.600	10.594	0.006	95	12967	3.11	
110 2-Hexanone	43		10.723				ND	
111 Chlorodibromomethane	129		10.880				ND	
112 Ethylene Dibromide	107		10.990				ND	
S 113 Xylenes, Total	106		11.245				ND	7
* 114 Chlorobenzene-d5 (IS)	117	11.407	11.404	0.003	85	486322	50.0	
116 Chlorobenzene	112		11.430				ND	
117 1,1,1,2-Tetrachloroethane	131		11.507				ND	
118 Ethylbenzene	91		11.511				ND	
119 m-Xylene & p-Xylene	106		11.620				ND	
120 o-Xylene	106		11.941				ND	
121 Styrene	104		11.954				ND	
122 Bromoform	173		12.112				ND	
\$ 125 4-Bromofluorobenzene (Surr)	95	12.378	12.376	0.002	89	221101	48.0	
126 1,1,2,2-Tetrachloroethane	83		12.472				ND	
* 140 1,4-Dichlorobenzene-d4	152	13.243	13.240	0.003	95	264975	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_Cent_ISSS_00035

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 06-Apr-2025 21:10:32

Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X11.D

Injection Date: 05-Apr-2025 12:22:35

Instrument ID: 7159

Operator ID: clm27445

Lims ID: 410-214589-A-5

Lab Sample ID: 410-214589-5

Worklist Smp#: 12

Client ID: HD-MW-101D-0/1-0

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

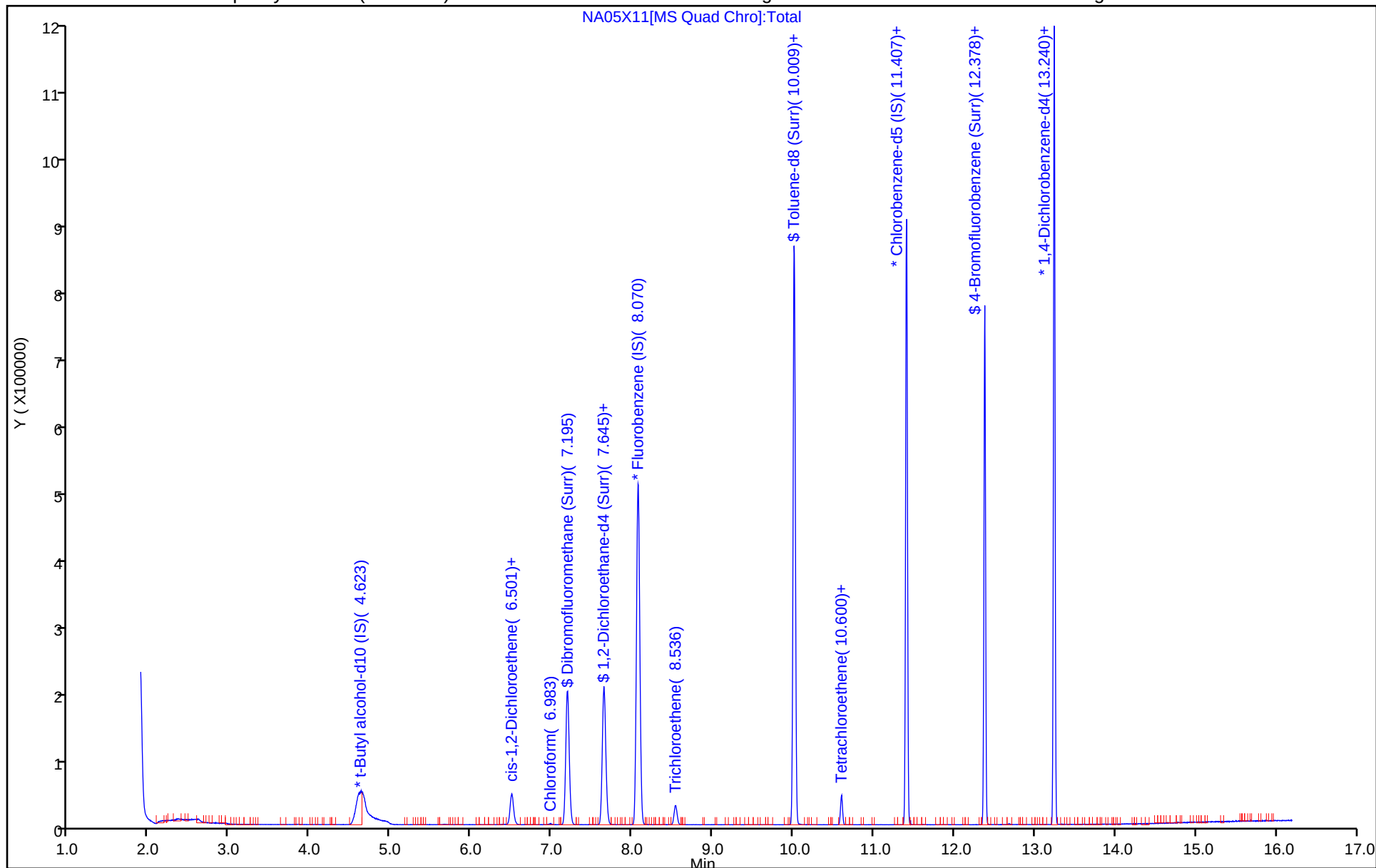
ALS Bottle#: 11

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X11.D
Lims ID: 410-214589-A-5
Client ID: HD-MW-101D-0/1-0
Sample Type: Client
Inject. Date: 05-Apr-2025 12:22:35 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0143131-012
Operator ID: clm27445 Instrument ID: 7159
Method: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Apr-2025 21:09:15 Calib Date: 31-Mar-2025 16:43:59
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1727

First Level Reviewer: Y6ZN

Date: 06-Apr-2025 21:08:31

Compound	Amount Added	Amount Recovered	% Rec.
\$ 51 Dibromofluoromethane (Surr)	50.0	49.4	98.89
\$ 59 1,2-Dichloroethane-d4 (Surr)	50.0	51.7	103.37
\$ 81 Toluene-d8 (Surr)	50.0	50.0	100.07
\$ 125 4-Bromofluorobenzene (Surr)	50.0	48.0	96.06

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X11.D

Injection Date: 05-Apr-2025 12:22:35

Instrument ID: 7159

Lims ID: 410-214589-A-5

Lab Sample ID: 410-214589-5

Client ID: HD-MW-101D-0/1-0

Operator ID: clm27445

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 5.000 mL

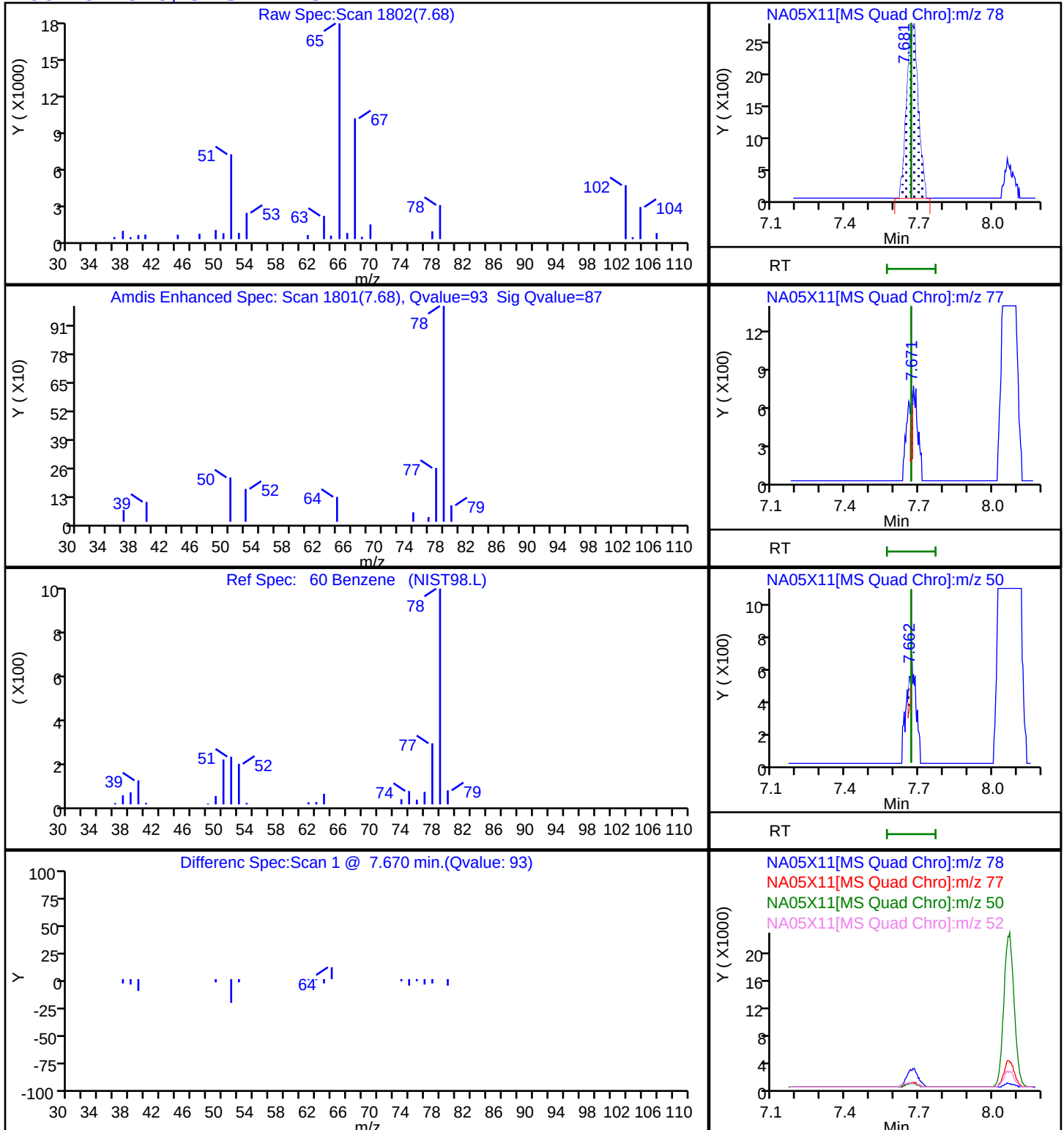
Dil. Factor: 1.0000

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm ID) x 100 m

MS Quad

60 Benzene, CAS: 71-43-2

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X11.D

Injection Date: 05-Apr-2025 12:22:35

Instrument ID: 7159

Lims ID: 410-214589-A-5

Lab Sample ID: 410-214589-5

Client ID: HD-MW-101D-0/1-0

Operator ID: clm27445

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 5.000 mL

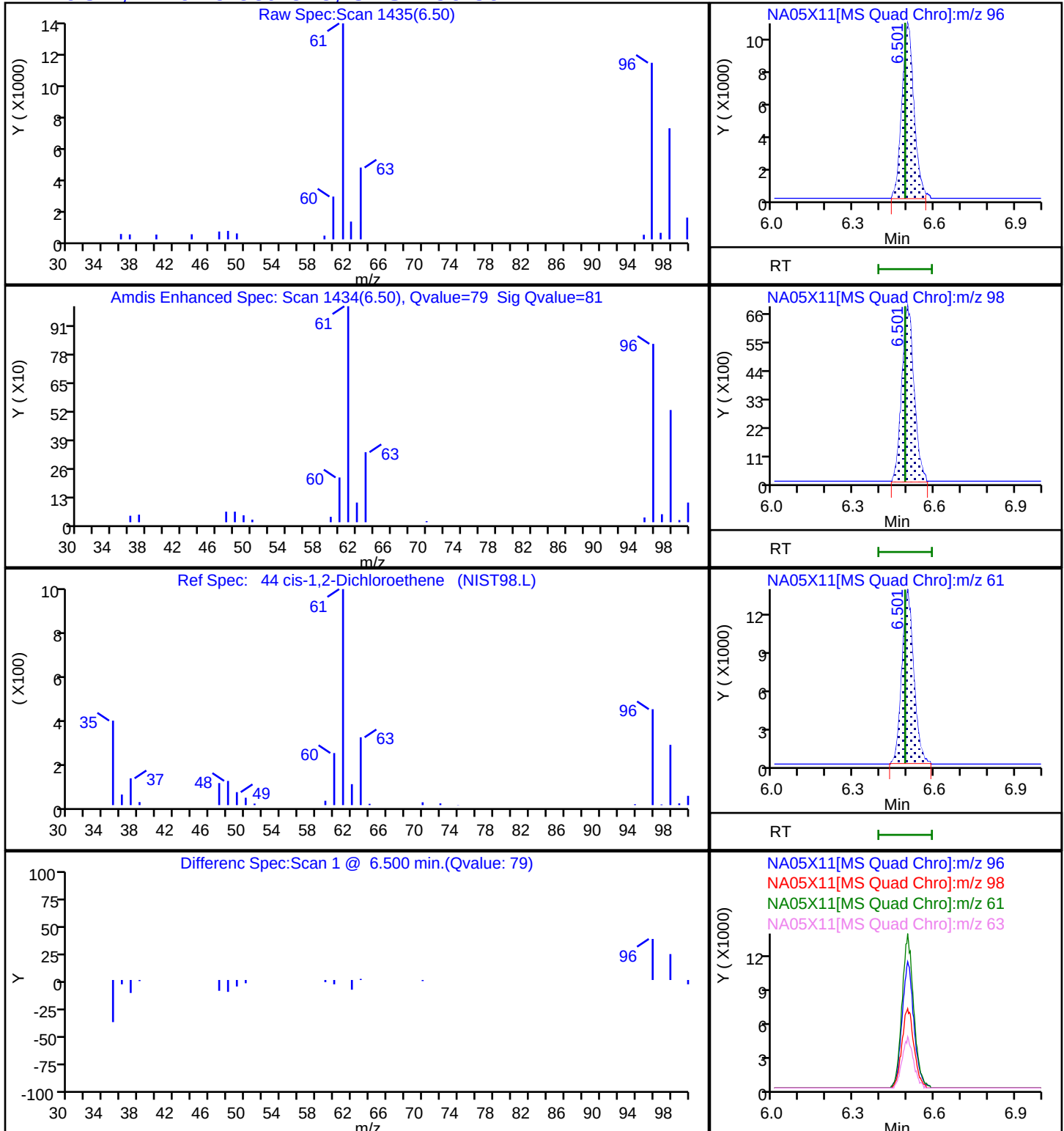
Dil. Factor: 1.0000

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

MS Quad

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

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X11.D

Injection Date: 05-Apr-2025 12:22:35

Instrument ID: 7159

Lims ID: 410-214589-A-5

Lab Sample ID: 410-214589-5

Client ID: HD-MW-101D-0/1-0

Operator ID: clm27445

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 5.000 mL

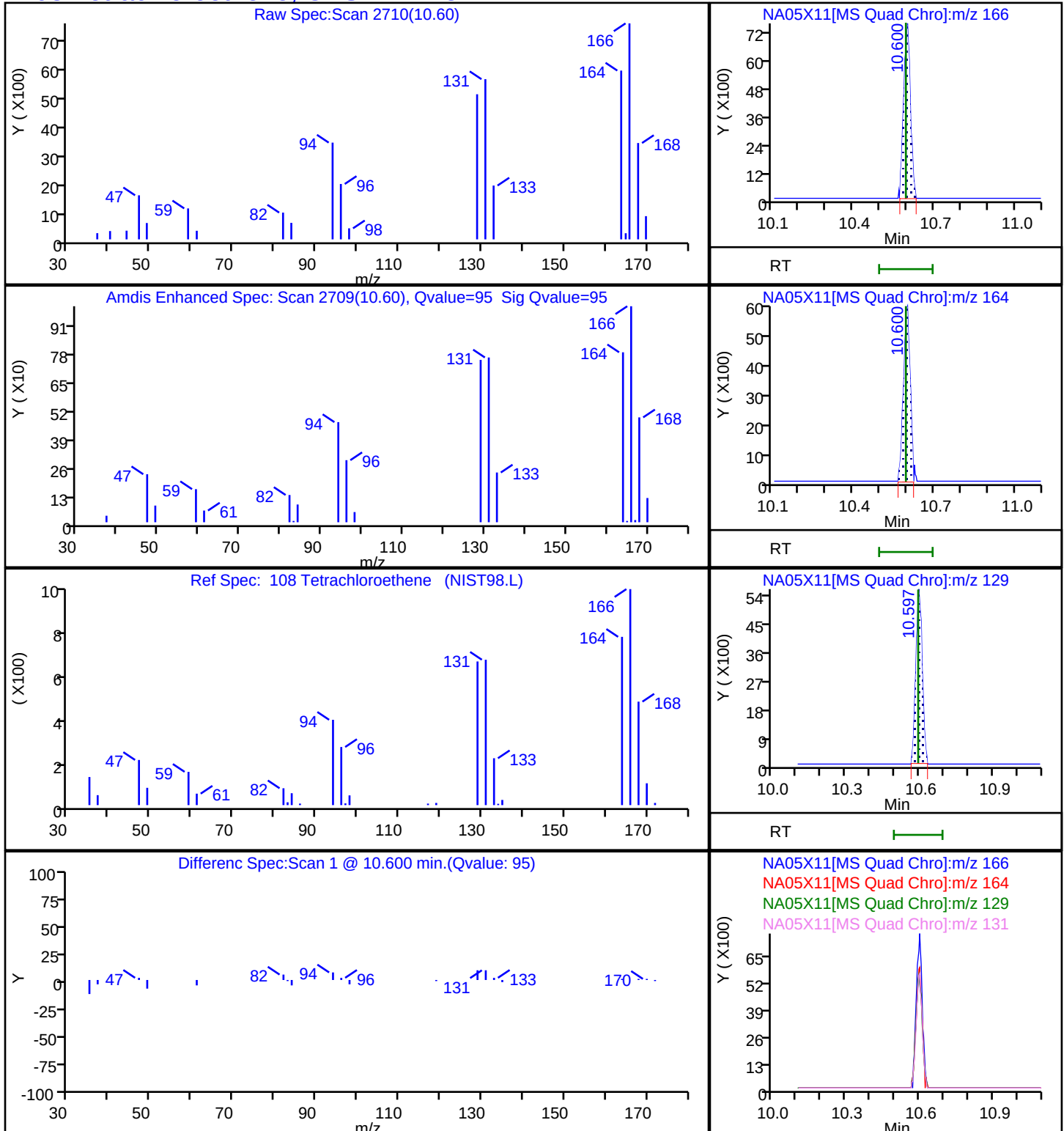
Dil. Factor: 1.0000

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

MS Quad

108 Tetrachloroethene, CAS: 127-18-4

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X11.D

Injection Date: 05-Apr-2025 12:22:35

Instrument ID: 7159

Lims ID: 410-214589-A-5

Lab Sample ID: 410-214589-5

Client ID: HD-MW-101D-0/1-0

Operator ID: clm27445

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 5.000 mL

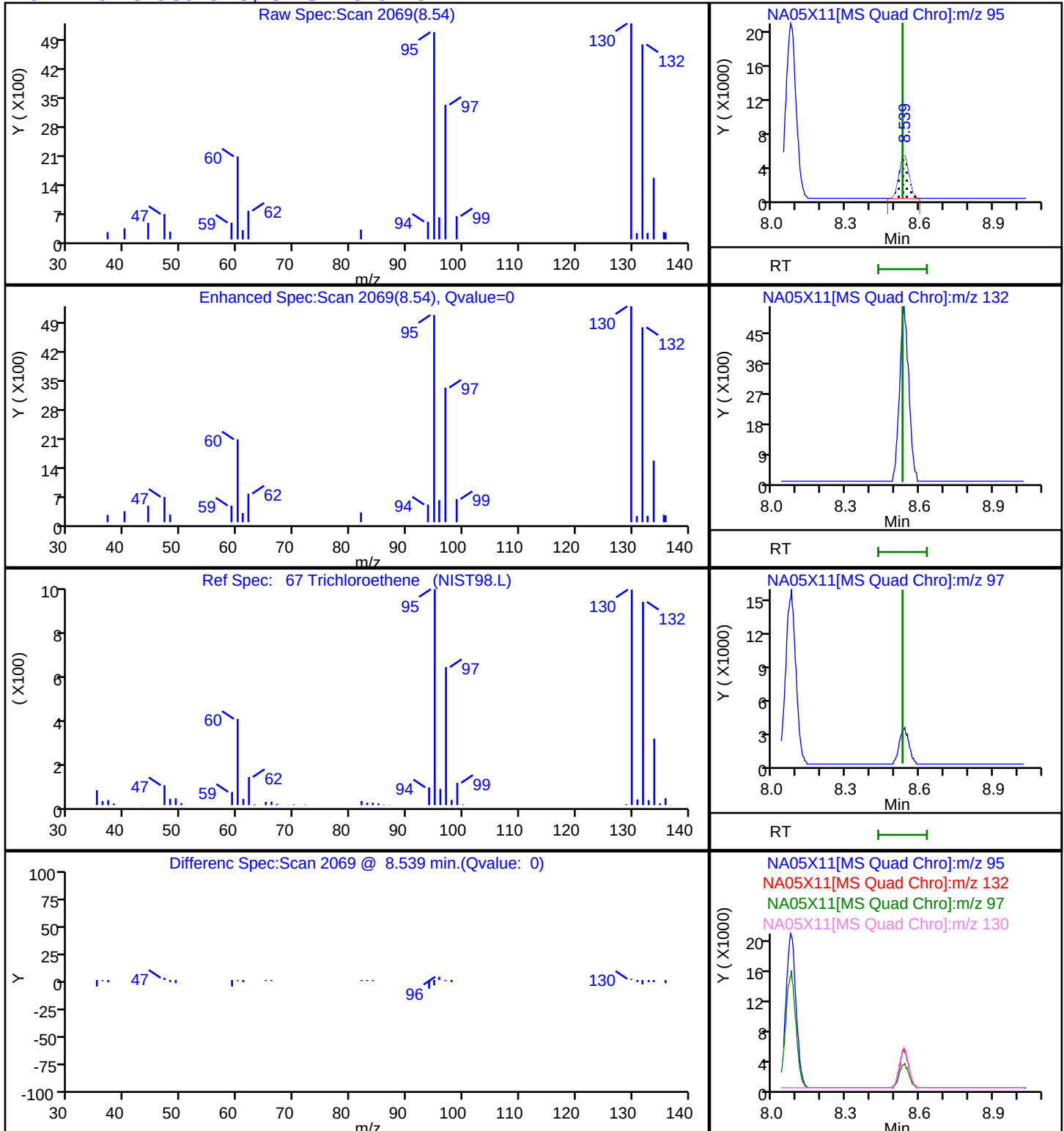
Dil. Factor: 1.0000

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 150m

MS Quad

67 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

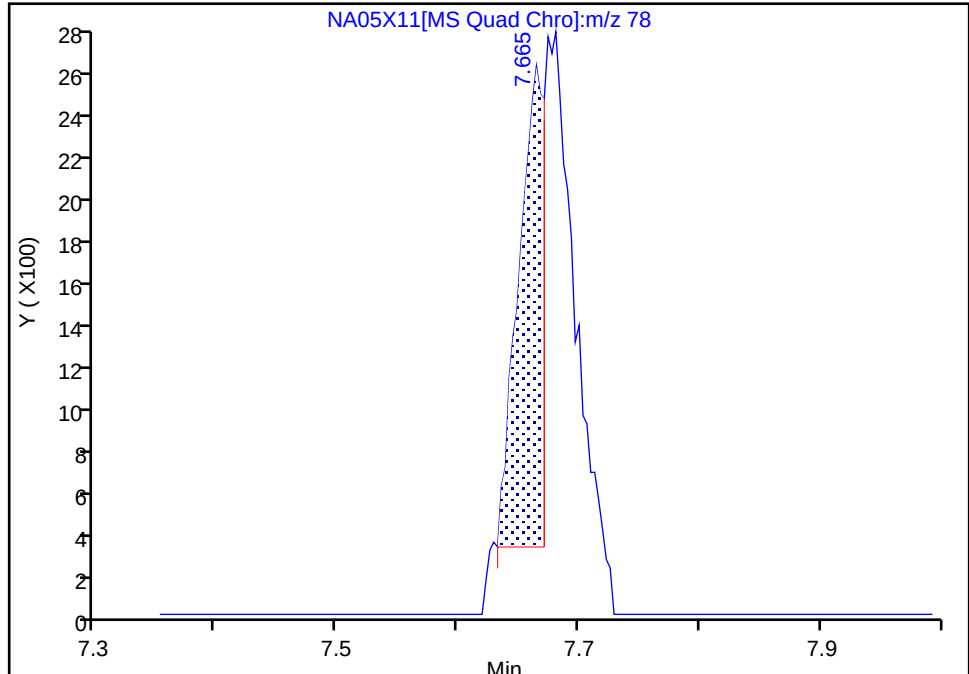
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X11.D
Injection Date: 05-Apr-2025 12:22:35 Instrument ID: 7159
Lims ID: 410-214589-A-5 Lab Sample ID: 410-214589-5
Client ID: HD-MW-101D-0/1-0
Operator ID: clm27445 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

60 Benzene, CAS: 71-43-2

Signal: 1

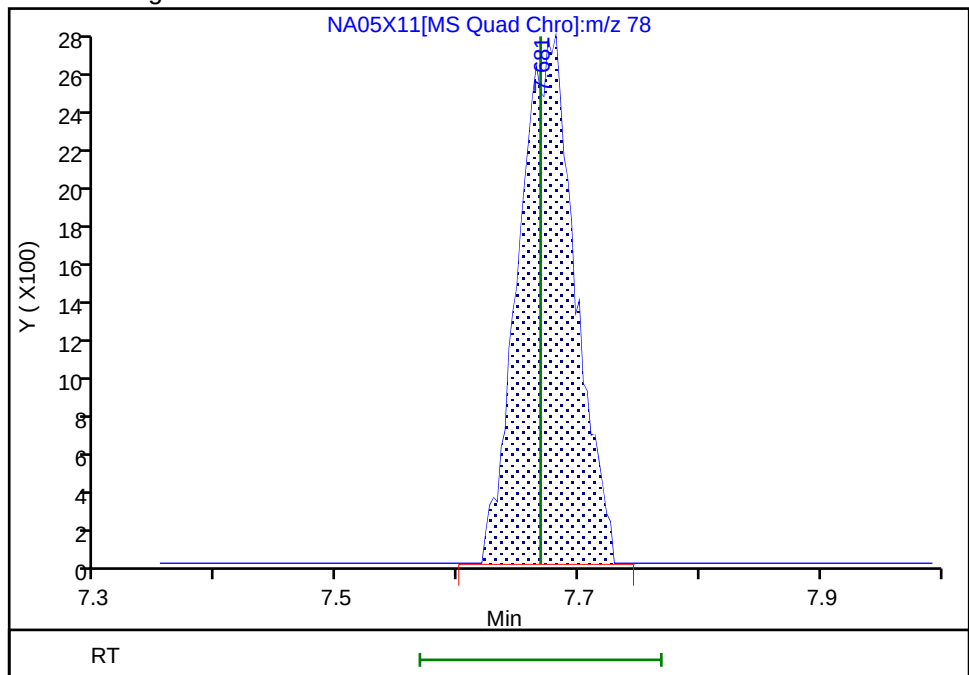
RT: 7.66
Area: 3293
Amount: 0.202453
Amount Units: ug/l

Processing Integration Results



RT: 7.68
Area: 8791
Amount: 0.540468
Amount Units: ug/l

Manual Integration Results



Reviewer: Y6ZN, 06-Apr-2025 21:08:15 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

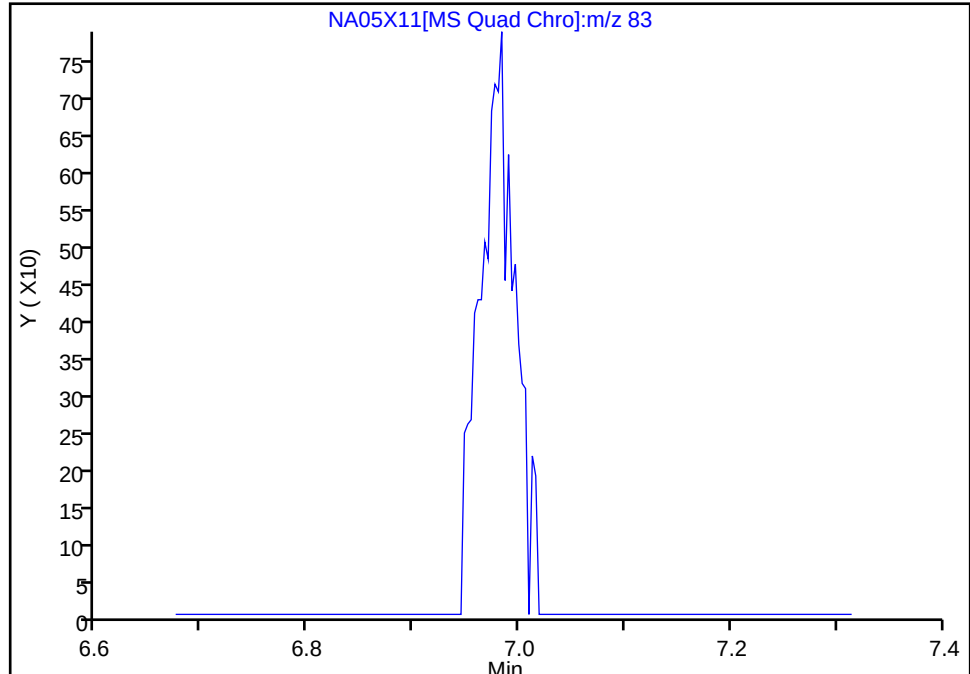
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X11.D
Injection Date: 05-Apr-2025 12:22:35 Instrument ID: 7159
Lims ID: 410-214589-A-5 Lab Sample ID: 410-214589-5
Client ID: HD-MW-101D-0/1-0
Operator ID: clm27445 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

50 Chloroform, CAS: 67-66-3

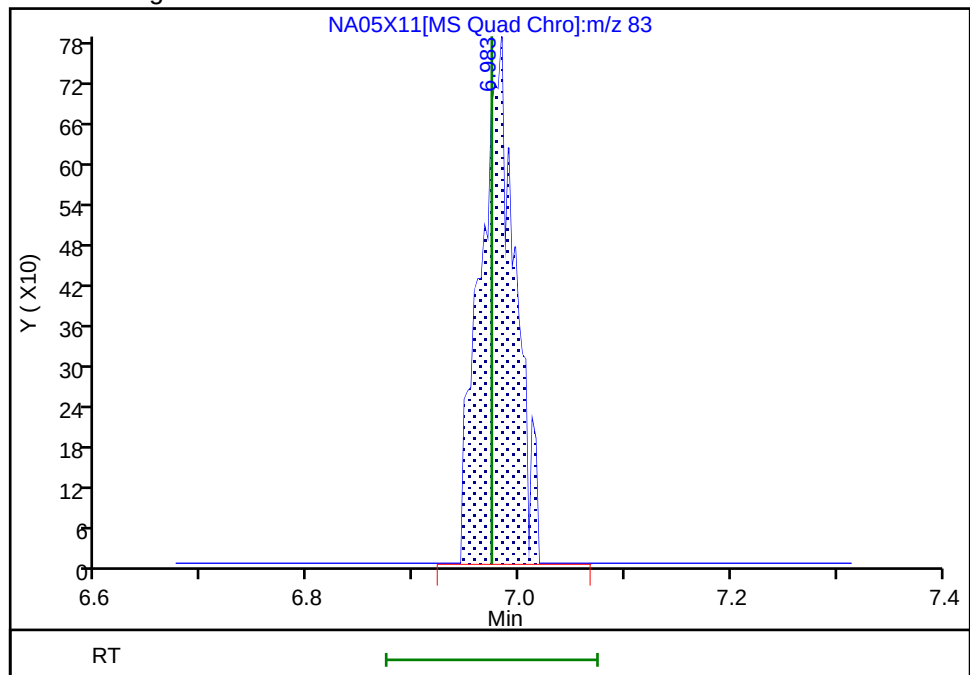
Signal: 1

Not Detected
Expected RT: 6.97

Processing Integration Results



Manual Integration Results



Reviewer: Y6ZN, 06-Apr-2025 21:08:07 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

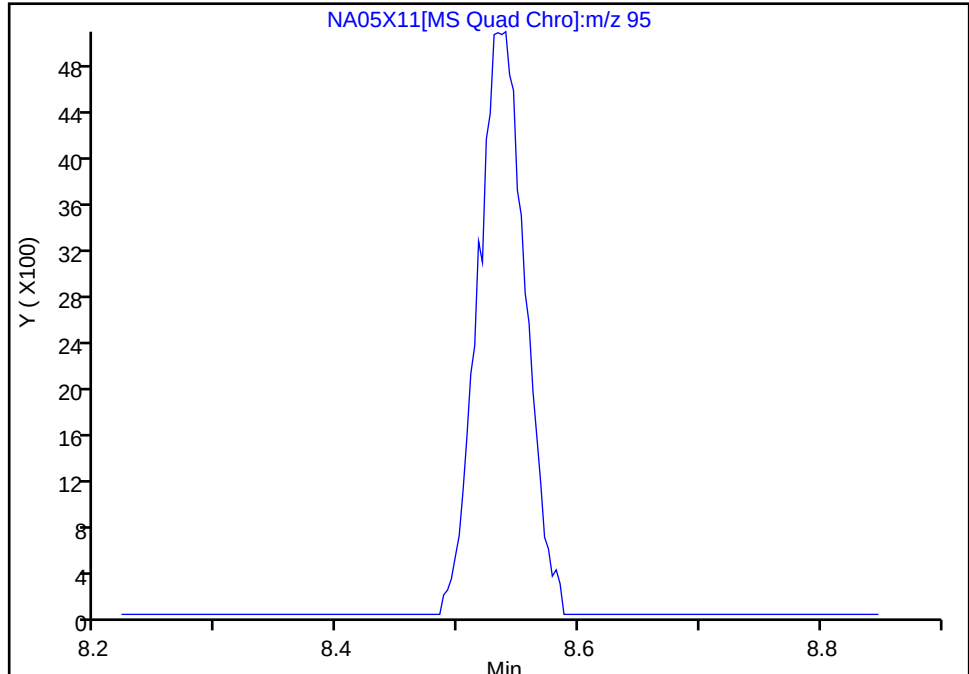
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X11.D
Injection Date: 05-Apr-2025 12:22:35 Instrument ID: 7159
Lims ID: 410-214589-A-5 Lab Sample ID: 410-214589-5
Client ID: HD-MW-101D-0/1-0
Operator ID: clm27445 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

67 Trichloroethene, CAS: 79-01-6

Signal: 1

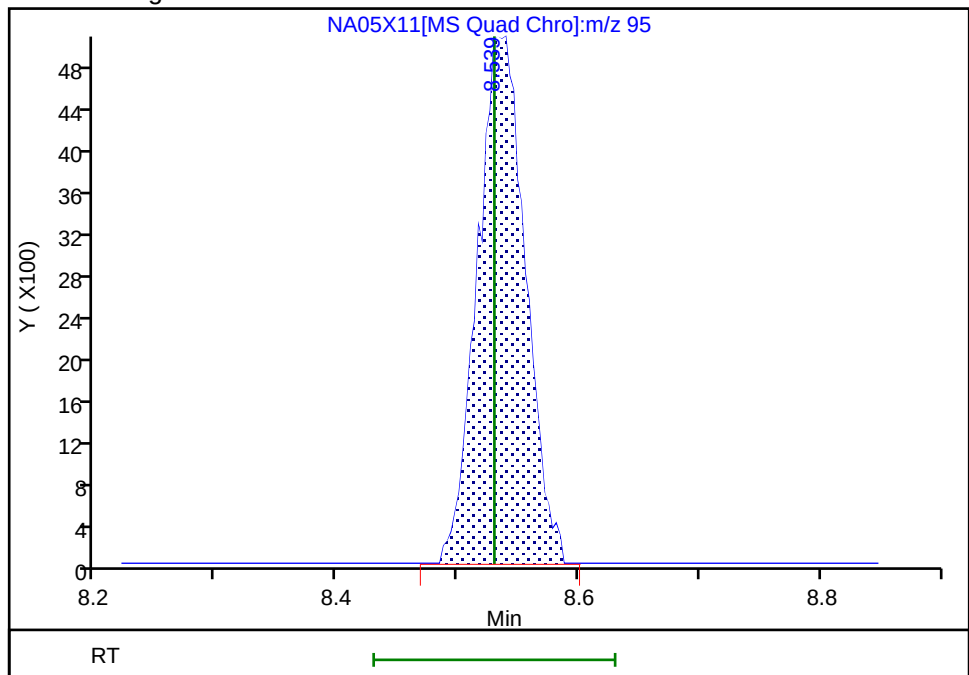
Not Detected
Expected RT: 8.53

Processing Integration Results



RT: 8.54
Area: 14027
Amount: 3.378256
Amount Units: ug/l

Manual Integration Results



Reviewer: Y6ZN, 06-Apr-2025 21:08:22 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-214589-1

SDG No.:

Client Sample ID: HD-QC1-0/1-3

Lab Sample ID: 410-214589-6

Matrix: Water

Lab File ID: NA05X12.D

Analysis Method: 8260D

Date Collected: 03/26/2025 14:35

Sample wt/vol: 5(mL)

Date Analyzed: 04/05/2025 12:42

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 5.0(mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 626753

Units: ug/L

Preparation Batch No.:

Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND	^c cn	2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-214589-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-QC1-0/1-3 Lab Sample ID: 410-214589-6

Matrix: Water Lab File ID: NA05X12.D

Analysis Method: 8260D Date Collected: 03/26/2025 14:35

Sample wt/vol: 5 (mL) Date Analyzed: 04/05/2025 12:42

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 626753 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-01-4	Vinyl chloride	ND	^c cn	1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X12.D
 Lims ID: 410-214589-A-6
 Client ID: HD-QC1-0/1-3
 Sample Type: Client
 Inject. Date: 05-Apr-2025 12:42:36 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0143131-013
 Operator ID: clm27445 Instrument ID: 7159
 Method: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Apr-2025 21:09:15 Calib Date: 31-Mar-2025 16:43:59
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1727

First Level Reviewer: Y6ZN

Date: 06-Apr-2025 21:08:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
6 Chloromethane	50		2.270				ND	
7 Vinyl chloride	62		2.401				ND	
10 Bromomethane	94		2.787				ND	
11 Chloroethane	64		2.871				ND	
19 1,1-Dichloroethene	96		3.832				ND	
21 Acetone	58		3.871				ND	
25 Carbon disulfide	76		4.192				ND	
28 Methylene Chloride	84		4.578				ND	
* 29 t-Butyl alcohol-d10 (IS)	65	4.643	4.630	0.013	94	232419	250.0	
33 Methyl tert-butyl ether	73		4.983				ND	
34 trans-1,2-Dichloroethene	96		4.987				ND	
37 1,1-Dichloroethane	63		5.665				ND	
43 2-Butanone (MEK)	43		6.479				ND	
44 cis-1,2-Dichloroethene	96		6.491				ND	
48 Chlorobromomethane	128		6.823				ND	
50 Chloroform	83		6.974				ND	
\$ 51 Dibromofluoromethane (Surr)	113	7.192	7.186	0.006	93	168350	50.2	
52 1,1,1-Trichloroethane	97		7.202				ND	
56 Carbon tetrachloride	117		7.398				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.646	7.643	0.004	64	43488	52.2	
60 Benzene	78		7.668				ND	
61 1,2-Dichloroethane	62		7.742				ND	
* 63 Fluorobenzene (IS)	96	8.070	8.064	0.006	99	635488	50.0	
67 Trichloroethene	95		8.530				ND	
69 1,2-Dichloropropane	63		8.871				ND	
75 Dichlorobromomethane	83		9.202				ND	
79 cis-1,3-Dichloropropene	75		9.716				ND	
80 4-Methyl-2-pentanone (MIBK)	43		9.884				ND	
\$ 81 Toluene-d8 (Surr)	98	10.009	10.006	0.003	93	587539	49.7	
82 Toluene	92		10.080				ND	7
105 trans-1,3-Dichloropropene	75		10.321				ND	
107 1,1,2-Trichloroethane	97		10.520				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166		10.594				ND	
110 2-Hexanone	43		10.723				ND	
111 Chlorodibromomethane	129		10.880				ND	
112 Ethylene Dibromide	107		10.990				ND	
S 113 Xylenes, Total	106		11.245				ND	7
* 114 Chlorobenzene-d5 (IS)	117	11.408	11.404	0.004	85	454843	50.0	
116 Chlorobenzene	112		11.430				ND	
117 1,1,1,2-Tetrachloroethane	131		11.507				ND	
118 Ethylbenzene	91		11.511				ND	
119 m-Xylene & p-Xylene	106		11.620				ND	7
120 o-Xylene	106		11.941				ND	
121 Styrene	104		11.954				ND	
122 Bromoform	173		12.112				ND	
\$ 125 4-Bromofluorobenzene (Surr)	95	12.379	12.376	0.003	92	208102	48.3	
126 1,1,2,2-Tetrachloroethane	83		12.472				ND	
* 140 1,4-Dichlorobenzene-d4	152	13.241	13.240	0.001	96	249139	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_Cent_ISSS_00035

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 06-Apr-2025 21:10:35

Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X12.D

Injection Date: 05-Apr-2025 12:42:36

Instrument ID: 7159

Operator ID: cIm27445

Lims ID: 410-214589-A-6

Lab Sample ID: 410-214589-6

Worklist Smp#: 13

Client ID: HD-QC1-0/1-3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

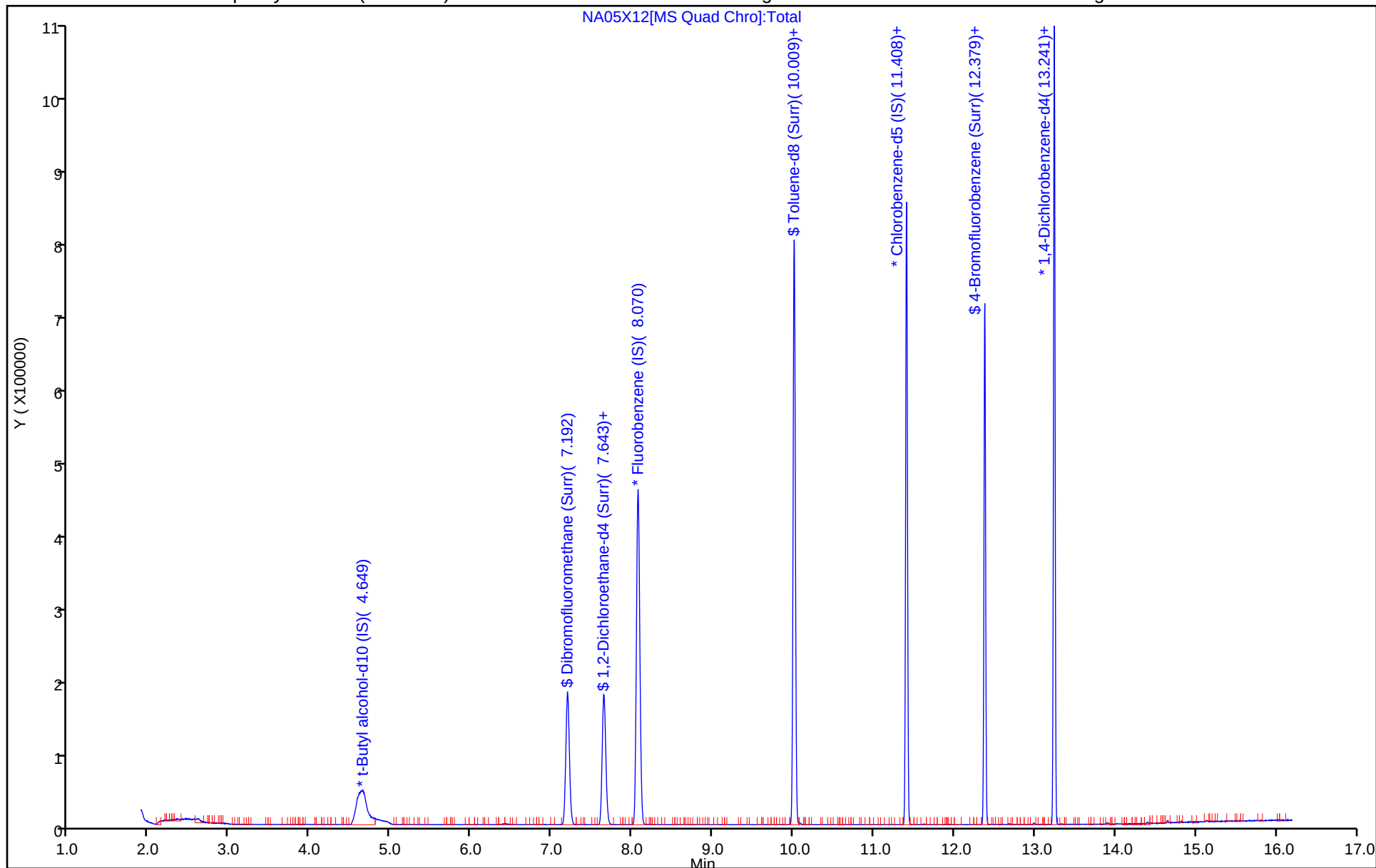
ALS Bottle#: 12

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X12.D
Lims ID: 410-214589-A-6
Client ID: HD-QC1-0/1-3
Sample Type: Client
Inject. Date: 05-Apr-2025 12:42:36 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0143131-013
Operator ID: clm27445 Instrument ID: 7159
Method: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Apr-2025 21:09:15 Calib Date: 31-Mar-2025 16:43:59
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1727

First Level Reviewer: Y6ZN

Date: 06-Apr-2025 21:08:50

Compound	Amount Added	Amount Recovered	% Rec.
\$ 51 Dibromofluoromethane (Surr)	50.0	50.2	100.50
\$ 59 1,2-Dichloroethane-d4 (Surr)	50.0	52.2	104.37
\$ 81 Toluene-d8 (Surr)	50.0	49.7	99.42
\$ 125 4-Bromofluorobenzene (Surr)	50.0	48.3	96.67

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-214589-1

SDG No.:

Client Sample ID: HD-QC1-0/1-4

Lab Sample ID: 410-214589-7

Matrix: Water

Lab File ID: NA05X13.D

Analysis Method: 8260D

Date Collected: 03/26/2025 14:05

Sample wt/vol: 5 (mL)

Date Analyzed: 04/05/2025 13:02

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 5.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 626753

Units: ug/L

Preparation Batch No.:

Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND	^c cn	2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-214589-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-QC1-0/1-4 Lab Sample ID: 410-214589-7

Matrix: Water Lab File ID: NA05X13.D

Analysis Method: 8260D Date Collected: 03/26/2025 14:05

Sample wt/vol: 5 (mL) Date Analyzed: 04/05/2025 13:02

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 626753 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-01-4	Vinyl chloride	ND	^c cn	1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X13.D
 Lims ID: 410-214589-A-7
 Client ID: HD-QC1-0/1-4
 Sample Type: Client
 Inject. Date: 05-Apr-2025 13:02:51 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0143131-014
 Operator ID: clm27445 Instrument ID: 7159
 Method: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Apr-2025 21:09:15 Calib Date: 31-Mar-2025 16:43:59
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1727

First Level Reviewer: Y6ZN

Date: 06-Apr-2025 21:09:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
6 Chloromethane	50		2.270				ND	
7 Vinyl chloride	62		2.401				ND	
10 Bromomethane	94		2.787				ND	
11 Chloroethane	64		2.871				ND	
19 1,1-Dichloroethene	96		3.832				ND	
21 Acetone	58		3.871				ND	
25 Carbon disulfide	76		4.192				ND	
28 Methylene Chloride	84		4.578				ND	
* 29 t-Butyl alcohol-d10 (IS)	65	4.627	4.630	-0.003	96	240657	250.0	
33 Methyl tert-butyl ether	73		4.983				ND	
34 trans-1,2-Dichloroethene	96		4.987				ND	
37 1,1-Dichloroethane	63		5.665				ND	
43 2-Butanone (MEK)	43		6.479				ND	
44 cis-1,2-Dichloroethene	96		6.491				ND	
48 Chlorobromomethane	128		6.823				ND	
50 Chloroform	83		6.974				ND	
\$ 51 Dibromofluoromethane (Surr)	113	7.192	7.186	0.006	93	187078	50.2	
52 1,1,1-Trichloroethane	97		7.202				ND	
56 Carbon tetrachloride	117		7.398				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.643	7.643	0.001	63	48762	52.6	
60 Benzene	78		7.668				ND	
61 1,2-Dichloroethane	62		7.742				ND	
* 63 Fluorobenzene (IS)	96	8.070	8.064	0.006	99	707468	50.0	
67 Trichloroethene	95		8.530				ND	
69 1,2-Dichloropropane	63		8.871				ND	
75 Dichlorobromomethane	83		9.202				ND	
79 cis-1,3-Dichloropropene	75		9.716				ND	
80 4-Methyl-2-pentanone (MIBK)	43		9.884				ND	
\$ 81 Toluene-d8 (Surr)	98	10.009	10.006	0.003	93	650086	49.4	
82 Toluene	92	10.080	10.080	0.000	98	1405	0.1457	M
105 trans-1,3-Dichloropropene	75		10.321				ND	
107 1,1,2-Trichloroethane	97		10.520				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166		10.594				ND	
110 2-Hexanone	43		10.723				ND	
111 Chlorodibromomethane	129		10.880				ND	
112 Ethylene Dibromide	107		10.990				ND	
S 113 Xylenes, Total	106		11.245				ND	7
* 114 Chlorobenzene-d5 (IS)	117	11.408	11.404	0.004	85	506138	50.0	
116 Chlorobenzene	112		11.430				ND	
117 1,1,1,2-Tetrachloroethane	131		11.507				ND	
118 Ethylbenzene	91		11.511				ND	
119 m-Xylene & p-Xylene	106		11.620				ND	7
120 o-Xylene	106		11.941				ND	
121 Styrene	104		11.954				ND	
122 Bromoform	173		12.112				ND	
\$ 125 4-Bromofluorobenzene (Surr)	95	12.379	12.376	0.003	88	229929	48.0	
126 1,1,2,2-Tetrachloroethane	83		12.472				ND	
* 140 1,4-Dichlorobenzene-d4	152	13.241	13.240	0.001	95	275630	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_Cent_ISSS_00035

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 06-Apr-2025 21:10:37

Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X13.D

Injection Date: 05-Apr-2025 13:02:51

Instrument ID: 7159

Operator ID: clm27445

Lims ID: 410-214589-A-7

Lab Sample ID: 410-214589-7

Worklist Smp#: 14

Client ID: HD-QC1-0/1-4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

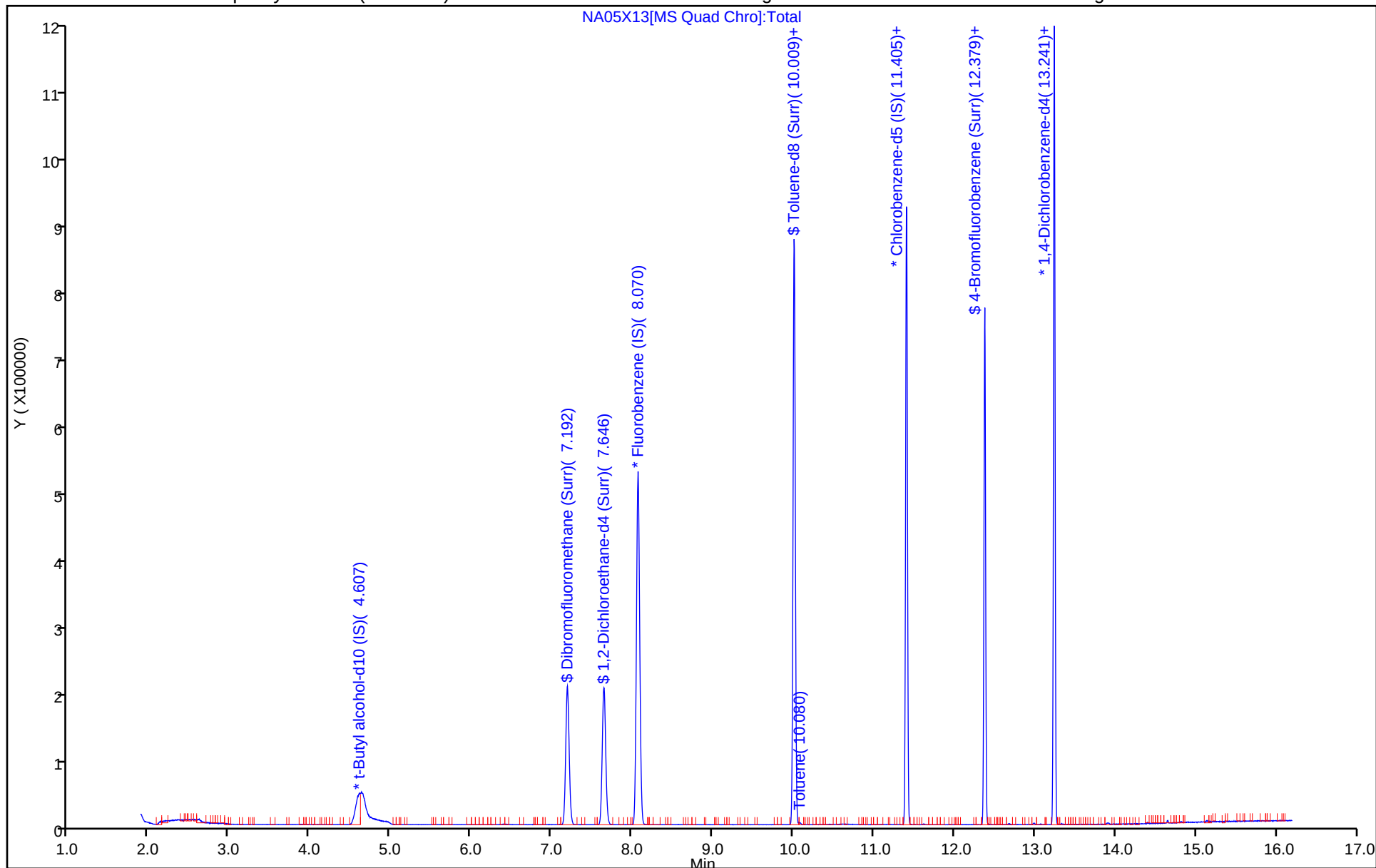
ALS Bottle#: 13

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X13.D
Lims ID: 410-214589-A-7
Client ID: HD-QC1-0/1-4
Sample Type: Client
Inject. Date: 05-Apr-2025 13:02:51 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0143131-014
Operator ID: clm27445 Instrument ID: 7159
Method: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Apr-2025 21:09:15 Calib Date: 31-Mar-2025 16:43:59
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1727

First Level Reviewer: Y6ZN

Date: 06-Apr-2025 21:09:15

Compound	Amount Added	Amount Recovered	% Rec.
\$ 51 Dibromofluoromethane (Surr)	50.0	50.2	100.32
\$ 59 1,2-Dichloroethane-d4 (Surr)	50.0	52.6	105.12
\$ 81 Toluene-d8 (Surr)	50.0	49.4	98.85
\$ 125 4-Bromofluorobenzene (Surr)	50.0	48.0	95.99

Eurofins Lancaster Laboratories Environment Testing, LLC

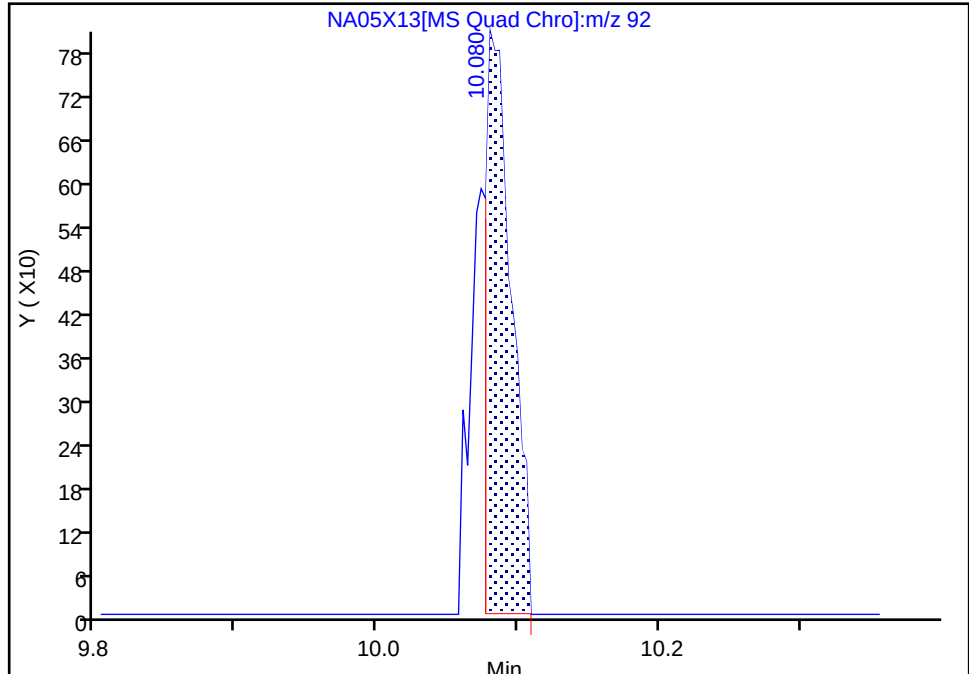
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X13.D
Injection Date: 05-Apr-2025 13:02:51 Instrument ID: 7159
Lims ID: 410-214589-A-7 Lab Sample ID: 410-214589-7
Client ID: HD-QC1-0/1-4
Operator ID: clm27445 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

82 Toluene, CAS: 108-88-3

Signal: 1

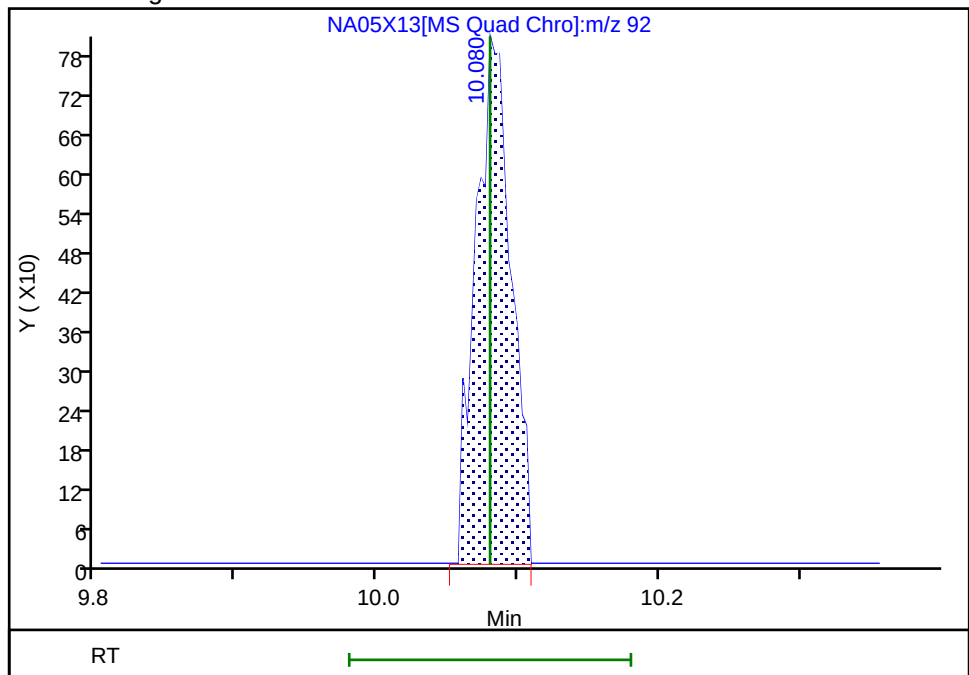
RT: 10.08
Area: 1015
Amount: 0.105246
Amount Units: ug/l

Processing Integration Results



RT: 10.08
Area: 1405
Amount: 0.145686
Amount Units: ug/l

Manual Integration Results



Reviewer: Y6ZN, 06-Apr-2025 21:09:08 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-214589-1 Analy Batch No.: 624120
Environment Testing, LLC

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 14:42 Calibration End Date: 03/31/2025 16:43 Calibration ID: 71217

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-624120/12	NM31X12.D
Level 2	IC 410-624120/13	NM31X13.D
Level 3	IC 410-624120/14	NM31X14.D
Level 4	IC 410-624120/15	NM31X15.D
Level 5	ICIS 410-624120/16	NM31X16.D
Level 6	IC 410-624120/17	NM31X17.D
Level 7	IC 410-624120/18	NM31X18.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.4614 0.5472	0.4870 0.5299	0.6436	0.5518	0.6191	Ave		0.548 6			0.1000	11.9		20.0			
Chloromethane	0.4403 0.3981	0.4350 0.3098	0.4918	0.4225	0.4542	Ave		0.421 6			0.1000	13.5		20.0			
Vinyl chloride	0.4249 0.4271	0.4423 0.3563	0.5248	0.4557	0.5019	Ave		0.447 6			0.1000	12.3		20.0			
1,3-Butadiene	0.3637 0.3494	0.3493 0.2915	0.4261	0.3643	0.4155	Ave		0.365 7				12.3		20.0			
Bromomethane	0.4258 0.4192	0.3999 0.3859	0.4980	0.4471	0.4706	Ave		0.435 2			0.1000	9.1		20.0			
Chloroethane	0.2822 0.2933	0.2907 0.2649	0.3531	0.3134	0.3270	Ave		0.303 5			0.1000	9.8		20.0			
Dichlorofluoromethane	0.8393 0.8557	0.8157 0.8098	1.0175	0.9067	0.9627	Ave		0.886 8			0.1000	8.9		20.0			
Trichlorofluoromethane	0.5468 0.6665	0.5865 0.6520	0.7754	0.6789	0.7526	Ave		0.665 5			0.1000	12.3		20.0			
n-Pentane	0.5036 0.5065	0.5167 0.5226	0.5208	0.5582	0.5464	Ave		0.525 0				3.9		20.0			
Ethanol	++++ 0.0710	0.0630 0.0695	0.0718	0.0731	0.0720	Ave		0.070 1				5.2		20.0			
Freon 123a	0.3530 0.3983	0.3731 0.3848	0.4767	0.4142	0.4470	Ave		0.406 7				10.6		20.0			
Acrolein	1.2362 1.2926	1.1121 1.2183	1.4001	1.2904	1.4166	Ave		1.280 9				8.3		20.0			
1,1-Dichloroethene	0.2853 0.2986	0.3067 0.2999	0.3130	0.3259	0.3265	Ave		0.308 0			0.1000	4.9		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-214589-1 Analy Batch No.: 624120
Environment Testing, LLC

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 14:42 Calibration End Date: 03/31/2025 16:43 Calibration ID: 71217

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Freon 113	0.3444 0.3787	0.3857 0.3717	0.3992	0.4141	0.4206	Ave		0.387 8			0.1000	6.8		20.0			
Acetone	0.5653 0.6429	0.5532 0.6052	0.6630	0.6171	0.6037	Ave		0.607 2			0.1000	6.4		20.0			
Methyl iodide	0.5582 0.6168	0.6082 0.6035	0.6379	0.6567	0.6657	Ave		0.621 0				5.9		20.0			
2-Propanol	0.7044 0.6312	0.6829 0.5516	0.6600	0.8171	0.6509	Ave		0.671 2				12.0		20.0			
Carbon disulfide	0.8347 0.9605	0.8492 0.9816	0.8921	0.9686	1.0183	Ave		0.929 3			0.1000	7.6		20.0			
Methyl acetate	0.3141 0.2837	0.2926 0.2712	0.2876	0.3028	0.2921	Ave		0.292 0			0.1000	4.7		20.0			
Allyl chloride	0.3691 0.3845	0.3867 0.3744	0.3681	0.3970	0.4021	Ave		0.383 1				3.5		20.0			
Methylene Chloride	0.3587 0.3443	0.3607 0.3368	0.3724	0.3753	0.3715	Ave		0.360 0			0.1000	4.1		20.0			
t-Butyl alcohol	0.9576 0.9047	0.8622 0.8952	0.8858	0.9249	0.9539	Ave		0.912 0				3.9		20.0			
Acrylonitrile	0.1718 0.1656	0.1614 0.1575	0.1756	0.1820	0.1729	Ave		0.169 5				5.0		20.0			
Methyl tert-butyl ether	0.9013 0.8913	0.8475 0.8600	0.9084	0.9493	0.9367	Ave		0.899 2			0.1000	4.1		20.0			
trans-1,2-Dichloroethene	0.2741 0.2889	0.3005 0.2795	0.3109	0.3188	0.3071	Ave		0.297 1			0.1000	5.6		20.0			
n-Hexane	0.3308 0.3937	0.3857 0.3804	0.4058	0.4238	0.4252	Ave		0.392 2				8.2		20.0			
1,1-Dichloroethane	0.4538 0.4725	0.4769 0.4618	0.5017	0.5219	0.5092	Ave		0.485 4			0.2000	5.3		20.0			
Isopropyl ether	0.7861 0.8261	0.7803 0.8006	0.8416	0.8866	0.8775	Ave		0.828 4				5.1		20.0			
2-Chloro-1,3-butadiene	0.3051 0.3932	0.3572 0.3833	0.3910	0.4152	0.4140	Ave		0.379 8				10.1		20.0			
Ethyl t-butyl ether	0.7879 0.8732	0.7834 0.8597	0.8571	0.9104	0.9171	Ave		0.855 5				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.: 410-214589-1 Analy Batch No.: 624120
Environment Testing, LLC

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 14:42 Calibration End Date: 03/31/2025 16:43 Calibration ID: 71217

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Butanone (MEK)	0.1893 0.2113	0.1642 0.1987	0.2117	0.2088	0.2211	Ave		0.200 8			0.1000	9.5		20.0			
cis-1,2-Dichloroethene	0.3204 0.3373	0.3415 0.3275	0.3588	0.3662	0.3594	Ave		0.344 5			0.1000	5.1		20.0			
2,2-Dichloropropane	0.4004 0.4491	0.4193 0.4481	0.4519	0.4804	0.4807	Ave		0.447 1				6.6		20.0			
Propionitrile	0.9507 0.9621	0.8851 0.9351	0.9805	1.0216	0.9848	Ave		0.960 0				4.5		20.0			
Methyl acrylate	0.3237 0.3793	0.3152 0.3781	0.3474	0.3866	0.3863	Ave		0.359 5				8.5		20.0			
Methacrylonitrile	0.1431 0.1641	0.1426 0.1615	0.1609	0.1697	0.1688	Ave		0.158 7				7.1		20.0			
Bromochloromethane	0.1492 0.1719	0.1650 0.1684	0.1812	0.1871	0.1813	Ave		0.172 0				7.4		20.0			
Tetrahydrofuran	0.8298 0.8226	0.7358 0.8065	0.8317	0.8658	0.8492	Ave		0.820 2				5.1		20.0			
Chloroform	0.4833 0.4988	0.5054 0.4771	0.5355	0.5459	0.5309	Ave		0.511 0			0.2000	5.2		20.0			
1,1,1-Trichloroethane	0.4441 0.4975	0.4753 0.5013	0.5045	0.5296	0.5284	Ave		0.497 2			0.1000	6.0		20.0			
Cyclohexane	0.5084 0.5861	0.5653 0.5855	0.5956	0.6237	0.6342	Ave		0.585 5			0.1000	7.1		20.0			
Carbon tetrachloride	0.3420 0.4333	0.3784 0.4430	0.4119	0.4395	0.4533	Ave		0.414 5			0.1000	9.8		20.0			
1,1-Dichloropropene	0.3423 0.3976	0.3854 0.3913	0.4047	0.4242	0.4203	Ave		0.395 1				6.9		20.0			
Isobutyl alcohol	0.2794 0.2791	0.2240 0.2779	0.2454	0.2934	0.2839	Ave		0.269 0				9.2		20.0			
Benzene	1.1289 1.1712	1.1513 1.1463	1.2166	1.2579	1.2325	Ave		1.186 4			0.5000	4.1		20.0			
1,2-Dichloroethane	0.3653 0.3544	0.3521 0.3460	0.3776	0.3867	0.3745	Ave		0.365 2			0.1000	4.1		20.0			
t-Amyl methyl ether	0.7683 0.8688	0.7444 0.8616	0.8277	0.8846	0.9038	Ave		0.837 0				7.2		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-214589-1 Analy Batch No.: 624120
Environment Testing, LLC

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 14:42 Calibration End Date: 03/31/2025 16:43 Calibration ID: 71217

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
n-Heptane	0.2887 0.3398	0.3169 0.3233	0.3441	0.3563	0.3605	Ave		0.332 8				7.5		20.0			
n-Butanol	++++ 0.2294	++++ 0.2471	0.1757	0.2127	0.2250	Ave		0.218 n				12.2		20.0			
Trichloroethene	0.2675 0.3052	0.2904 0.3117	0.3053	0.3197	0.3201	Ave		0.302 8			0.2000	6.1		20.0			
Ethyl acrylate	0.2639 0.3825	0.2714 0.3970	0.2984	0.3603	0.3735	Ave		0.335 3				16.6		20.0			
Methylcyclohexane	0.5001 0.6488	0.5693 0.6552	0.6326	0.6714	0.6930	Ave		0.624 3			0.1000	10.7		20.0			
t-Amyl ethyl ether	0.3553 0.4606	0.3816 0.4629	0.4280	0.4650	0.4708	Ave		0.432 n				10.7		20.0			
1,2-Dichloropropane	0.2479 0.2865	0.2631 0.2851	0.2882	0.2998	0.2991	Ave		0.281 4			0.1000	6.8		20.0			
Methyl methacrylate	0.1658 0.2374	0.1692 0.2475	0.2048	0.2260	0.2397	Ave		0.212 9				15.9		20.0			
1,4-Dioxane	0.0516 0.0770	0.0716 0.0771	0.0786	0.0854	0.0811	Ave		0.074 6			0.0050	14.7		20.0			
Dibromomethane	0.1736 0.1910	0.1701 0.1935	0.1884	0.1976	0.1997	Ave		0.187 7				6.1		20.0			
Bromodichloromethane	0.2734 0.3573	0.2745 0.3756	0.3141	0.3423	0.3605	Ave		0.328 2			0.2000	12.7		20.0			
2-Nitropropane	0.8482 1.2532	0.8072 ++++	0.9865	1.1498	1.2587	Ave		1.050 6				19.0		20.0			
2-Chloroethyl vinyl ether	0.1278 0.1930	0.1319 0.1969	0.1738	0.1845	0.1929	Ave		0.171 5				17.2		20.0			
cis-1,3-Dichloropropene	0.3041 0.4428	0.3306 0.4713	0.3841	0.4214	0.4432	Ave		0.399 6			0.2000	15.7		20.0			
4-Methyl-2-pentanone (MIBK)	0.2837 0.4167	0.2797 0.4012	0.3855	0.4002	0.4515	Ave		0.374 1			0.1000	17.7		20.0			
Toluene	0.9055 0.9370	0.9121 0.9023	0.9822	1.0218	1.0081	Ave		0.952 7			0.4000	5.3		20.0			
trans-1,3-Dichloropropene	0.3767 0.4983	0.3773 0.5036	0.4444	0.4793	0.5139	Ave		0.456 2			0.1000	12.8		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.: 410-214589-1 Analy Batch No.: 624120
Environment Testing, LLC

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 14:42 Calibration End Date: 03/31/2025 16:43 Calibration ID: 71217

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethyl methacrylate	0.3476 0.5384	0.3594 0.5246	0.4512	0.5163	0.5502	Ave		0.469 7				18.2		20.0			
1,1,2-Trichloroethane	0.3122 0.3342	0.3080 0.3255	0.3425	0.3542	0.3550	Ave		0.333 1			0.1000	5.7		20.0			
Tetrachloroethene	0.3826 0.4247	0.4118 0.4154	0.4437	0.4597	0.4582	Ave		0.428 n			0.2000	6.5		20.0			
1,3-Dichloropropane	0.5339 0.5484	0.5113 0.5335	0.5602	0.5801	0.5817	Ave		0.549 q				4.7		20.0			
2-Hexanone	0.2594 0.3654	0.2505 0.3314	0.3501	0.3622	0.4159	Ave		0.333 6			0.1000	17.9		20.0			
Dibromochloromethane	0.2420 0.3740	0.2524 0.3902	0.3094	0.3422	0.3735	Ave		0.326 2				18.4		20.0			
1,2-Dibromoethane (EDB)	0.3073 0.3544	0.3012 0.3460	0.3469	0.3588	0.3697	Ave		0.340 6			0.1000	7.7		20.0			
1-Chlorohexane	0.4837 0.5190	0.4678 0.5099	0.5114	0.5367	0.5511	Ave		0.511 4				5.6		20.0			
Chlorobenzene	1.0143 1.0610	1.0232 1.0361	1.0944	1.1355	1.1128	Ave		1.068 2			0.5000	4.4		20.0			
1,1,1,2-Tetrachloroethane	0.3271 0.4384	0.3530 0.4275	0.4090	0.4427	0.4565	Ave		0.407 7				12.0		20.0			
Ethylbenzene	1.6298 1.8532	1.6992 1.7481	1.8900	1.9965	1.9892	Ave		1.829 4			0.1000	7.8		20.0			
m&p-Xylene	0.5969 0.7333	0.6633 0.7036	0.7411	0.7809	0.7750	Ave		0.713 4			0.1000	9.2		20.0			
n-Butyl acrylate	++++ 0.6288	0.3842 0.6115	0.4722	0.5928	0.6263	Ave		0.552 6				18.3		20.0			
o-Xylene	0.6131 0.7758	0.6908 0.7341	0.7856	0.8313	0.8264	Ave		0.751 n			0.3000	10.4		20.0			
Styrene	0.7250 1.1457	0.8810 1.0861	1.0567	1.1573	1.1990	Ave		1.035 8			0.3000	16.6		20.0			
Bromoform	++++ 0.2554	0.1374 0.2679	0.1891	0.2196	0.2464	Lin	-0.97 2	0.270 4			0.1000				1.0000		0.9900
Isopropylbenzene	1.4168 1.8862	1.6313 1.7686	1.8650	2.0067	2.0359	Ave		1.801 5			0.1000	12.1		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.: 410-214589-1 Analy Batch No.: 624120
Environment Testing, LLC

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 14:42 Calibration End Date: 03/31/2025 16:43 Calibration ID: 71217

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Cyclohexanone	0.1853 0.2689	0.2014 0.2602	0.2526	0.2759	0.2693	Ave		0.244 8				14.8		20.0			
1,1,2,2-Tetrachloroethane	0.9105 1.1090	0.8918 1.1080	1.0172	1.1176	1.1454	Ave		1.042 8			0.3000	10.0		20.0			
Bromobenzene	0.7509 0.8640	0.7458 0.9048	0.8025	0.8583	0.8845	Ave		0.830 1				7.7		20.0			
trans-1,4-Dichloro-2-butene	0.2263 0.2760	0.2221 0.2575	0.2555	0.2812	0.2857	Ave		0.257 8				9.9		20.0			
1,2,3-Trichloropropane	0.3259 0.3428	0.3166 0.3411	0.3371	0.3623	0.3595	Ave		0.340 8				4.9		20.0			
N-Propylbenzene	3.3409 4.3613	3.7814 4.1796	4.2160	4.5190	4.6372	Ave		4.147 9				10.8		20.0			
2-Chlorotoluene	0.7229 0.9161	0.7841 0.9398	0.8752	0.9337	0.9604	Ave		0.876 0				10.2		20.0			
1,3,5-Trimethylbenzene	2.3235 3.4652	2.6830 3.3626	3.1008	3.4270	3.6309	Ave		3.141 8				15.1		20.0			
4-Chlorotoluene	0.6804 0.8530	0.7519 0.8735	0.8194	0.8819	0.8971	Ave		0.822 5				9.7		20.0			
tert-Butylbenzene	0.4497 0.7427	0.5410 0.7633	0.6425	0.7033	0.7640	Ave		0.658 1				18.5		20.0			
1,2,4-Trimethylbenzene	2.2465 3.3868	2.6842 3.3222	3.0732	3.4090	3.5557	Ave		3.096 8				15.2		20.0			
sec-Butylbenzene	2.7692 4.5331	3.4727 4.3069	4.0614	4.4547	4.7521	Ave		4.050 0				17.3		20.0			
1,3-Dichlorobenzene	1.4159 1.6426	1.4402 1.6250	1.5697	1.6549	1.6978	Ave		1.578 0			0.6000	6.9		20.0			
p-Isopropyltoluene	2.3163 3.8911	2.8466 3.6980	3.3919	3.7343	4.0535	Ave		3.418 8				18.3		20.0			
1,4-Dichlorobenzene	1.4978 1.6025	1.4531 1.5991	1.5469	1.6428	1.6779	Ave		1.574 3			0.5000	5.1		20.0			
1,2,3-Trimethylbenzene	2.6556 3.6071	2.8972 3.4759	3.2989	3.6071	3.7832	Ave		3.332 1				12.4		20.0			
Benzyl chloride	+++++ 1.7750	1.0594 1.8278	1.3005	1.5645	1.7421	Ave		1.544 9				19.8		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.: 410-214589-1 Analy Batch No.: 624120
Environment Testing, LLC

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 14:42 Calibration End Date: 03/31/2025 16:43 Calibration ID: 71217

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3-Diethylbenzene	1.3694 2.0905	1.5948 2.0942	1.8595	2.0732	2.1748	Ave		1.893 8				16.1		20.0			
1,4-Diethylbenzene	1.3604 2.1565	1.6741 2.1492	1.9326	2.1382	2.2478	Ave		1.951 2				16.6		20.0			
n-Butylbenzene	1.1644 1.6775	1.3822 1.6602	1.5973	1.7059	1.7810	Ave		1.566 9				13.9		20.0			
1,2-Dichlorobenzene	1.4505 1.6045	1.4656 1.5917	1.5586	1.6674	1.6852	Ave		1.574 8			0.4000	5.8		20.0			
1,2-Diethylbenzene	1.2476 1.8868	1.4710 1.8554	1.6683	1.8539	1.9855	Ave		1.709 8				15.5		20.0			
1,2-Dibromo-3-Chloropropane	0.2121 0.2762	0.2039 0.2859	0.2307	0.2621	0.2731	Ave		0.249 1			0.0500	13.3		20.0			
1,3,5-Trichlorobenzene	0.9577 1.2187	1.0199 1.2816	1.1211	1.2017	1.2648	Ave		1.152 2				10.8		20.0			
1,2,4-Trichlorobenzene	0.8358 1.0710	0.8728 1.1132	0.9517	1.0365	1.0994	Ave		0.997 2			0.2000	11.2		20.0			
2-Ethylhexyl acrylate	++++ 0.9744	0.4329 1.0340	0.5235	0.7114	0.9089	Lin1	-3.60 4	1.024 6							0.9970		0.9900
Hexachlorobutadiene	++++ 0.4374	0.3412 0.4578	0.3985	0.4168	0.4623	Ave		0.419 0				10.8		20.0			
Naphthalene	3.1190 3.9263	3.1684 3.7740	3.6338	3.9867	4.1415	Ave		3.678 5				10.8		20.0			
1,2,3-Trichlorobenzene	0.9023 1.0678	0.8995 1.1164	0.9891	1.0611	1.1061	Ave		1.020 3				8.9		20.0			
2-Methylnaphthalene	++++ 2.1557	1.3200 2.2883	1.7265	1.9363	2.1904	Ave		1.936 2				18.8		20.0			
Dibromofluoromethane (Surr)	0.2645 0.2606	0.2681 0.2562	0.2692	0.2655	0.2611	Ave		0.263 6				1.7		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0662 0.0648	0.0645 0.0637	0.0657	0.0650	0.0690	Ave		0.065 6				2.6		20.0			
Toluene-d8 (Surr)	1.3215 1.2803	1.3105 1.2311	1.3315	1.3138	1.3065	Ave		1.299 3				2.6		20.0			
4-Bromofluorobenzene (Surr)	0.4851 0.4612	0.4851 0.4469	0.4858	0.4817	0.4672	Ave		0.473 3				3.2		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-214589-1 Analy Batch No.: 624120
Environment Testing, LLC

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 14:42 Calibration End Date: 03/31/2025 16:43 Calibration ID: 71217

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-624120/12	NM31X12.D
Level 2	IC 410-624120/13	NM31X13.D
Level 3	IC 410-624120/14	NM31X14.D
Level 4	IC 410-624120/15	NM31X15.D
Level 5	ICIS 410-624120/16	NM31X16.D
Level 6	IC 410-624120/17	NM31X17.D
Level 7	IC 410-624120/18	NM31X18.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	7331 970551	32025 2910042	107740	181900	519250	1.00 100	4.00 300	10.0	20.0	50.0
Chloromethane	FB	Ave	6995 706029	28605 1701158	82317	139279	380921	1.00 100	4.00 300	10.0	20.0	50.0
Vinyl chloride	FB	Ave	6751 757472	29085 1956539	87852	150230	420968	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Butadiene	FB	Ave	5778 619649	22972 1600962	71328	120095	348445	1.00 100	4.00 300	10.0	20.0	50.0
Bromomethane	FB	Ave	6765 743596	26299 2119077	83357	147397	394695	1.00 100	4.00 300	10.0	20.0	50.0
Chloroethane	FB	Ave	4483 520275	19117 1454852	59109	103322	274293	1.00 100	4.00 300	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	13335 1517720	53643 4446667	170320	298921	807447	1.00 100	4.00 300	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	8688 1182204	38568 3580191	129801	223805	631192	1.00 100	4.00 300	10.0	20.0	50.0
n-Pentane	FB	Ave	8001 898458	33981 2869502	87186	184028	458276	1.00 100	4.00 300	10.0	20.0	50.0
Ethanol	TBA d1 0	Ave	++++ 251440	20778 753900	47812	96913	119694	++++ 2500	250 7500	500	1000	1250
Freon 123a	FB	Ave	5608 706550	24538 2112965	79796	136557	374910	1.00 100	4.00 300	10.0	20.0	50.0
Acrolein	TBA d1 0	Ave	14947 1786237	57260 5158186	181997	333976	918720	9.76 976	39.0 2927	97.6	195	488
1,1-Dichloroethene	FB	Ave	4533 529565	20172 1646900	52388	107447	273865	1.00 100	4.00 300	10.0	20.0	50.0
Freon 113	FB	Ave	5472 671670	25363 2041326	66829	136515	352770	1.00 100	4.00 300	10.0	20.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-214589-1

Analy Batch No.: 624120

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 14:42 Calibration End Date: 03/31/2025 16:43 Calibration ID: 71217

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Acetone	TBAd10	Ave	1401	5838	17662	32734	80241	2.00	8.00	20.0	40.0	100
			182084	525139				200	600			
Methyl iodide	FB	Ave	8869	39998	106785	216477	558351	1.00	4.00	10.0	20.0	50.0
			1094025	3314055				100	300			
2-Propanol	TBAd10	Ave	4364	18017	43957	108362	216306	5.00	20.0	50.0	100	250
			446920	1196744				500	1500			
Carbon disulfide	FB	Ave	13262	55848	149334	319322	854018	1.00	4.00	10.0	20.0	50.0
			1703738	5390453				100	300			
Methyl acetate	FB	Ave	4991	19246	48146	99824	245008	1.00	4.00	10.0	20.0	50.0
			503160	1489117				100	300			
Allyl chloride	FB	Ave	5864	25433	61625	130872	337266	1.00	4.00	10.0	20.0	50.0
			681923	2056136				100	300			
Methylene Chloride	FB	Ave	5699	23724	62343	123733	311611	1.00	4.00	10.0	20.0	50.0
			610642	1849493				100	300			
t-Butyl alcohol	TBAd10	Ave	5933	22747	58997	122653	316983	5.00	20.0	50.0	100	250
			640563	1942085				500	1500			
Acrylonitrile	FB	Ave	6824	26534	73501	149962	362473	2.50	10.0	25.0	50.0	125
			734337	2161884				250	750			
Methyl tert-butyl ether	FB	Ave	14319	55737	152060	312963	785634	1.00	4.00	10.0	20.0	50.0
			1580821	4722381				100	300			
trans-1,2-Dichloroethene	FB	Ave	4355	19762	52046	105092	257533	1.00	4.00	10.0	20.0	50.0
			512427	1534984				100	300			
n-Hexane	FB	Ave	5256	25367	67926	139707	356598	1.00	4.00	10.0	20.0	50.0
			698383	2088930				100	300			
1,1-Dichloroethane	FB	Ave	7210	31366	83981	172043	427094	1.00	4.00	10.0	20.0	50.0
			838012	2535670				100	300			
Isopropyl ether	FB	Ave	12490	51315	140879	292293	735942	1.00	4.00	10.0	20.0	50.0
			1465234	4396312				100	300			
2-Chloro-1,3-butadiene	FB	Ave	4847	23492	65454	136880	347200	1.00	4.00	10.0	20.0	50.0
			697336	2104692				100	300			
Ethyl t-butyl ether	FB	Ave	12518	51520	143470	300116	769185	1.00	4.00	10.0	20.0	50.0
			1548845	4720799				100	300			
2-Butanone (MEK)	FB	Ave	6016	21603	70880	137651	370935	2.00	8.00	20.0	40.0	100
			749729	2182625				200	600			
cis-1,2-Dichloroethene	FB	Ave	5091	22461	60058	120737	301435	1.00	4.00	10.0	20.0	50.0
			598185	1798659				100	300			
2,2-Dichloropropane	FB	Ave	6362	27574	75638	158360	403188	1.00	4.00	10.0	20.0	50.0
			796656	2460801				100	300			

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-214589-1

Analy Batch No.: 624120

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 14:42 Calibration End Date: 03/31/2025 16:43 Calibration ID: 71217

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Propionitrile	TBA01	Ave	5890 681190	23350 2028544	65306	135481	327250	5.00 500	20.0 1500	50.0	100	250
Methyl acrylate	FB	Ave	5143 672921	20736 2076834	58158	127464	324079	1.00 100	4.00 300	10.0	20.0	50.0
Methacrylonitrile	FB	Ave	5683 727622	23440 2217272	67352	139868	353960	2.50 250	10.0 750	25.0	50.0	125
Bromochloromethane	FB	Ave	2370 304984	10851 924595	30335	61679	152083	1.00 100	4.00 300	10.0	20.0	50.0
Tetrahydrofuran	TBA01	Ave	5141 582421	19412 1749735	55395	114819	282206	5.00 500	20.0 1500	50.0	100	250
Chloroform	FB	Ave	7679 884760	33235 2620047	89645	179978	445271	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	7055 882468	31257 2752980	84457	174582	443126	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexane	FB	Ave	8078 1039635	37177 3215077	99698	205602	531906	1.00 100	4.00 300	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	5434 768496	24887 2432621	68942	144879	380138	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloropropene	FB	Ave	5438 705218	25346 2148860	67747	139846	352497	1.00 100	4.00 300	10.0	20.0	50.0
Isobutyl alcohol	TBA01	Ave	4328 494001	14772 1507381	40864	97291	235861	12.5 1250	50.0 3750	125	250	625
Benzene	FB	Ave	17936 2077318	75713 6294415	203653	414691	1033689	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	5803 628692	23157 1900092	63216	127486	314100	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl methyl ether	FB	Ave	12207 1540943	48957 4731137	138554	291617	758041	1.00 100	4.00 300	10.0	20.0	50.0
n-Heptane	FB	Ave	4587 602675	20842 1775106	57597	117448	302350	1.00 100	4.00 300	10.0	20.0	50.0
n-Butanol	TBA01	Ave	++++ 406139	++++ 1340169	29251	70504	186947	++++ 1250	++++ 3750	125	250	625
Trichloroethene	FB	Ave	4250 541288	19098 1711385	51113	105402	268506	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl acrylate	FB	Ave	4195 678745	17856 2180546	49968	118808	313323	1.00 100	4.00 300	10.0	20.0	50.0
Methylcyclohexane	FB	Ave	7946	37440	105895	221334	581184	1.00	4.00	10.0	20.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-214589-1 Analy Batch No.: 624120
Environment Testing, LLC

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 14:42 Calibration End Date: 03/31/2025 16:43 Calibration ID: 71217

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			1150844	3597815				100	300			
t-Amyl ethyl ether	FB	Ave	5645 816947	25093 2542073	71638	153294	394890	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloropropane	FB	Ave	3939 508226	17301 1565667	48245	98830	250813	1.00 100	4.00 300	10.0	20.0	50.0
Methyl methacrylate	FB	Ave	2634 421060	11127 1358927	34276	74507	201040	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dioxane	TBA d10	Ave	799 136232	4721 417972	13089	28310	67361	12.5 1250	50.0 3750	125	250	625
Dibromomethane	FB	Ave	2758 338820	11186 1062399	31530	65150	167494	1.00 100	4.00 300	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	4343 633804	18054 2062639	52573	112831	302329	1.00 100	4.00 300	10.0	20.0	50.0
2-Nitropropane	TBA d10	Ave	5255 887347	21295 +++++	65707	152483	418277	5.00 500	20.0 +++++	50.0	100	250
2-Chloroethyl vinyl ether	FB	Ave	2030 342347	8673 1081102	29098	60820	161817	1.00 100	4.00 300	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	4831 785412	21743 2587947	64289	138920	371731	1.00 100	4.00 300	10.0	20.0	50.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	9015 1478171	36790 4406507	129072	263834	757353	2.00 200	8.00 600	20.0	40.0	100
Toluene	CBZ d5	Ave	9994 1273624	42321 4058575	117039	246495	623991	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZ d5	Ave	4158 677311	17508 2265442	52955	115617	318101	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl methacrylate	CBZ d5	Ave	3836 731818	16674 2359871	53763	124564	340581	1.00 100	4.00 300	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZ d5	Ave	3446 454211	14290 1464104	40810	85446	219744	1.00 100	4.00 300	10.0	20.0	50.0
Tetrachloroethene	CBZ d5	Ave	4223 577325	19106 1868676	52869	110908	283625	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichloropropane	CBZ d5	Ave	5892 745422	23724 2399713	66761	139946	360102	1.00 100	4.00 300	10.0	20.0	50.0
2-Hexanone	CBZ d5	Ave	5725 993422	23245 2981467	83445	174753	514892	2.00 200	8.00 600	20.0	40.0	100
Dibromochloromethane	CBZ d5	Ave	2671 508293	11710 1755050	36866	82560	231183	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromoethane (EDB)	CBZ d5	Ave	3392 481696	13975 1556300	41337	86554	228857	1.00 100	4.00 300	10.0	20.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-214589-1

Analy Batch No.: 624120

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 14:42 Calibration End Date: 03/31/2025 16:43 Calibration ID: 71217

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1-Chlorohexane	CBZd5	Ave	5338 705473	21706 2293627	60946	129466	341130	1.00 100	4.00 300	10.0	20.0	50.0
Chlorobenzene	CBZd5	Ave	11194 1442161	47476 4660434	130408	273928	688820	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZd5	Ave	3610 595843	16377 1922908	48739	106792	282594	1.00 100	4.00 300	10.0	20.0	50.0
Ethylbenzene	CBZd5	Ave	17988 2518879	78840 7863053	225215	481635	1231323	1.00 100	4.00 300	10.0	20.0	50.0
m&p-Xylene	CBZd5	Ave	13175 1993519	61555 6329818	176622	376750	959508	2.00 200	8.00 600	20.0	40.0	100
n-Butyl acrylate	CBZd5	Ave	++++ 854326	17817 2749244	56240	142937	387532	++++ 100.0	4.00 300	10.00	20.0	50.0
o-Xylene	CBZd5	Ave	6766 1054453	32052 3302043	93619	200549	511559	1.00 100	4.00 300	10.0	20.0	50.0
Styrene	CBZd5	Ave	8001 1557318	40876 4885144	125926	279188	742211	1.00 100	4.00 300	10.0	20.0	50.0
Bromoform	CBZd5	Lin	++++ 347165	6375 1204978	22528	52988	152500	++++ 100	4.00 300	10.0	20.0	50.0
Isopropylbenzene	CBZd5	Ave	15637 2563700	75693 7955183	222235	484098	1260240	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexanone	TBA d1 0	Ave	11481 475915	53141 1410814	84098	182956	223691	50.0 1250	200 3750	250	500	625
1,1,2,2-Tetrachloroethane	DCBd4	Ave	5560 765327	22692 2427130	66871	145031	367114	1.00 100	4.00 300	10.0	20.0	50.0
Bromobenzene	DCBd4	Ave	4585 596242	18976 1982168	52760	111386	283473	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd4	Ave	3455 476205	14126 1410301	41995	91227	228886	2.50 250	10.0 750	25.0	50.0	125
1,2,3-Trichloropropane	DCBd4	Ave	1990 236599	8055 747152	22163	47022	115223	1.00 100	4.00 300	10.0	20.0	50.0
N-Propylbenzene	DCBd4	Ave	20401 3009775	96219 9155827	277163	586440	1486265	1.00 100	4.00 300	10.0	20.0	50.0
2-Chlorotoluene	DCBd4	Ave	4414 632220	19951 2058812	57539	121165	307815	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCBd4	Ave	14188 2391381	68271 7366161	203848	444727	1163716	1.00 100	4.00 300	10.0	20.0	50.0
4-Chlorotoluene	DCBd4	Ave	4155 588683	19132 1913563	53870	114446	287529	1.00 100	4.00 300	10.0	20.0	50.0
tert-Butylbenzene	DCBd4	Ave	2746	13765	42239	91274	244873	1.00	4.00	10.0	20.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-214589-1 Analy Batch No.: 624120
Environment Testing, LLC

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 14:42 Calibration End Date: 03/31/2025 16:43 Calibration ID: 71217

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			512525	1672084				100	300			
1,2,4-Trimethylbenzene	DCBd4	Ave	13718 2337261	68301 7277638	202033	442391	1139636	1.00 100	4.00 300	10.0	20.0	50.0
sec-Butylbenzene	DCBd4	Ave	16910 3128380	88364 9434738	266998	578093	1523073	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichlorobenzene	DCBd4	Ave	8646 1133562	36646 3559638	103194	214756	544141	1.00 100	4.00 300	10.0	20.0	50.0
p-Isopropyltoluene	DCBd4	Ave	14144 2685286	72432 8100942	222987	484617	1299178	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dichlorobenzene	DCBd4	Ave	9146 1105940	36976 3502900	101695	213185	537763	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trimethylbenzene	DCBd4	Ave	16216 2489323	73720 7614430	216870	468101	1212538	1.00 100	4.00 300	10.0	20.0	50.0
Benzyl chloride	DCBd4	Ave	++++ 1224932	26956 4004045	85499	203027	558358	++++ 100	4.00 300	10.0	20.0	50.0
1,3-Diethylbenzene	DCBd4	Ave	8362 1442687	40580 4587623	122244	269040	697050	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Diethylbenzene	DCBd4	Ave	8307 1488260	42598 4707984	127051	277480	720420	1.00 100	4.00 300	10.0	20.0	50.0
n-Butylbenzene	DCBd4	Ave	7110 1157695	35171 3636785	105010	221374	570825	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichlorobenzene	DCBd4	Ave	8857 1107278	37293 3486789	102462	216389	540121	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Diethylbenzene	DCBd4	Ave	7618 1302094	37431 4064382	109674	240588	636376	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	1295 190626	5189 626245	15164	34012	87522	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trichlorobenzene	DCBd4	Ave	5848 841063	25951 2807439	73700	155947	405364	1.00 100	4.00 300	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCBd4	Ave	5104 739114	22210 2438666	62567	134512	352359	1.00 100	4.00 300	10.0	20.0	50.0
2-Ethylhexyl acrylate	DCBd4	Lin1	++++ 672078	11010 2263935	34399	92266	291143	++++ 99.9	4.00 300	9.99	20.0	50.0
Hexachlorobutadiene	DCBd4	Ave	++++ 301860	8683 1002866	26199	54084	148168	++++ 100	4.00 300	10.0	20.0	50.0
Naphthalene	DCBd4	Ave	19046 2709600	80621 8267287	238891	517360	1327386	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCBd4	Ave	5510 736921	22889 2445578	65021	137704	354522	1.00 100	4.00 300	10.0	20.0	50.0
2-Methylnaphthalene	DCBd4	Ave	++++	33588	113502	251280	702023	++++	4.00	10.0	20.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-214589-1 Analy Batch No.: 624120
Environment Testing, LLC

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 14:42 Calibration End Date: 03/31/2025 16:43 Calibration ID: 71217

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			1487646	5012820				100	300			
Dibromofluoromethane (Surr)	FB	Ave	210101 231117	220364 234494	225355	218812	218964	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	52588 57429	52995 58318	55029	53603	57909	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZd5	Ave	729227 870115	760095 922900	793337	792348	808752	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	267694 313407	281353 335019	289432	290495	289227	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-214589-1 Analy Batch No.: 624120
Environment Testing, LLC

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 14:42 Calibration End Date: 03/31/2025 16:43 Calibration ID: 71217

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-624120/12	NM31X12.D
Level 2	IC 410-624120/13	NM31X13.D
Level 3	IC 410-624120/14	NM31X14.D
Level 4	IC 410-624120/15	NM31X15.D
Level 5	ICIS 410-624120/16	NM31X16.D
Level 6	IC 410-624120/17	NM31X17.D
Level 7	IC 410-624120/18	NM31X18.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	-15.9 -3.4	-11.2	17.3	0.6	12.9	-0.3	50 30	30	30	30	30	30
Chloromethane	4.4 -26.5	3.2	16.6	0.2	7.7	-5.6	50 30	30	30	30	30	30
Vinyl chloride	-5.1 -20.4	-1.2	17.3	1.8	12.1	-4.6	50 30	30	30	30	30	30
1,3-Butadiene	-0.5 -20.3	-4.5	16.5	-0.4	13.6	-4.5	50 30	30	30	30	30	30
Bromomethane	-2.2 -11.3	-8.1	14.4	2.7	8.1	-3.7	50 30	30	30	30	30	30
Chloroethane	-7.0 -12.7	-4.2	16.3	3.3	7.7	-3.4	50 30	30	30	30	30	30
Dichlorofluoromethane	-5.3 -8.7	-8.0	14.7	2.3	8.6	-3.5	50 30	30	30	30	30	30
Trichlorofluoromethane	-17.8 -2.0	-11.9	16.5	2.0	13.1	0.1	50 30	30	30	30	30	30
n-Pentane	-4.1 -0.5	-1.6	-0.8	6.3	4.1	-3.5	50 30	30	30	30	30	30
Ethanol	++++ -0.8	-10.1	2.4	4.3	2.8	1.4	30	50	30	30	30	30
Freon 123a	-13.2 -5.4	-8.3	17.2	1.8	9.9	-2.1	50 30	30	30	30	30	30
Acrolein	-3.5 -4.9	-13.2	9.3	0.7	10.6	0.9	50 30	30	30	30	30	30
1,1-Dichloroethene	-7.4 -2.6	-0.4	1.6	5.8	6.0	-3.1	50 30	30	30	30	30	30
Freon 113	-11.2 -4.1	-0.5	3.0	6.8	8.5	-2.3	50 30	30	30	30	30	30
Acetone	-6.9 -0.3	-8.9	9.2	1.6	-0.6	5.9	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-214589-1 Analy Batch No.: 624120
Environment Testing, LLC

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 14:42 Calibration End Date: 03/31/2025 16:43 Calibration ID: 71217

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Methyl iodide	-10.1 -2.8	-2.1	2.7	5.7	7.2	-0.7	50 30	30	30	30	30	30
2-Propanol	4.9 -17.8	1.8	-1.7	21.7	-3.0	-6.0	50 30	30	30	30	30	30
Carbon disulfide	-10.2 5.6	-8.6	-4.0	4.2	9.6	3.4	50 30	30	30	30	30	30
Methyl acetate	7.6 -7.1	0.2	-1.5	3.7	0.0	-2.9	50 30	30	30	30	30	30
Allyl chloride	-3.7 -2.3	0.9	-3.9	3.6	5.0	0.3	50 30	30	30	30	30	30
Methylene Chloride	-0.4 -6.4	0.2	3.5	4.3	3.2	-4.4	50 30	30	30	30	30	30
t-Butyl alcohol	5.0 -1.8	-5.5	-2.9	1.4	4.6	-0.8	50 30	30	30	30	30	30
Acrylonitrile	1.3 -7.1	-4.8	3.6	7.3	2.0	-2.3	50 30	30	30	30	30	30
Methyl tert-butyl ether	0.2 -4.4	-5.7	1.0	5.6	4.2	-0.9	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	-7.7 -5.9	1.1	4.6	7.3	3.3	-2.8	50 30	30	30	30	30	30
n-Hexane	-15.7 -3.0	-1.7	3.5	8.1	8.4	0.4	50 30	30	30	30	30	30
1,1-Dichloroethane	-6.5 -4.9	-1.7	3.4	7.5	4.9	-2.7	50 30	30	30	30	30	30
Isopropyl ether	-5.1 -3.4	-5.8	1.6	7.0	5.9	-0.3	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-19.7 0.9	-6.0	2.9	9.3	9.0	3.5	50 30	30	30	30	30	30
Ethyl t-butyl ether	-7.9 0.5	-8.4	0.2	6.4	7.2	2.1	50 30	30	30	30	30	30
2-Butanone (MEK)	-5.7 -1.0	-18.2	5.5	4.0	10.2	5.3	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	-7.0 -4.9	-0.8	4.2	6.3	4.3	-2.1	50 30	30	30	30	30	30
2,2-Dichloropropane	-10.4 0.2	-6.2	1.1	7.4	7.5	0.4	50 30	30	30	30	30	30
Propionitrile	-1.0 -2.6	-7.8	2.1	6.4	2.6	0.2	50 30	30	30	30	30	30
Methyl acrylate	-10.0 5.2	-12.3	-3.4	7.5	7.5	5.5	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-214589-1 Analy Batch No.: 624120
Environment Testing, LLC

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 14:42 Calibration End Date: 03/31/2025 16:43 Calibration ID: 71217

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Methacrylonitrile	-9.8 1.8	-10.1	1.4	7.0	6.4	3.4	50 30	30	30	30	30	30
Bromochloromethane	-13.3 -2.1	-4.1	5.3	8.8	5.4	0.0	50 30	30	30	30	30	30
Tetrahydrofuran	1.2 -1.7	-10.3	1.4	5.6	3.5	0.3	50 30	30	30	30	30	30
Chloroform	-5.4 -6.6	-1.1	4.8	6.8	3.9	-2.4	50 30	30	30	30	30	30
1,1,1-Trichloroethane	-10.7 0.8	-4.4	1.5	6.5	6.3	0.1	50 30	30	30	30	30	30
Cyclohexane	-13.2 0.0	-3.5	1.7	6.5	8.3	0.1	50 30	30	30	30	30	30
Carbon tetrachloride	-17.5 6.9	-8.7	-0.6	6.0	9.4	4.5	50 30	30	30	30	30	30
1,1-Dichloropropene	-13.4 -1.0	-2.5	2.4	7.4	6.4	0.6	50 30	30	30	30	30	30
Isobutyl alcohol	3.9 3.3	-16.7	-8.8	9.1	5.5	3.7	50 30	30	30	30	30	30
Benzene	-4.8 -3.4	-3.0	2.5	6.0	3.9	-1.3	50 30	30	30	30	30	30
1,2-Dichloroethane	0.0 -5.3	-3.6	3.4	5.9	2.5	-3.0	50 30	30	30	30	30	30
t-Amyl methyl ether	-8.2 2.9	-11.1	-1.1	5.7	8.0	3.8	50 30	30	30	30	30	30
n-Heptane	-13.2 -2.9	-4.8	3.4	7.1	8.3	2.1	50 30	30	30	30	30	30
n-Butanol	+++++ 13.4	+++++	-19.4	-2.4	3.2	5.3	30		50	30	30	30
Trichloroethene	-11.7 2.9	-4.1	0.8	5.6	5.7	0.8	50 30	30	30	30	30	30
Ethyl acrylate	-21.3 18.4	-19.0	-11.0	7.5	11.4	14.1	50 30	30	30	30	30	30
Methylcyclohexane	-19.9 4.9	-8.8	1.3	7.5	11.0	3.9	50 30	30	30	30	30	30
t-Amyl ethyl ether	-17.8 7.2	-11.7	-0.9	7.6	9.0	6.6	50 30	30	30	30	30	30
1,2-Dichloropropane	-11.9 1.3	-6.5	2.4	6.5	6.3	1.8	50 30	30	30	30	30	30
Methyl methacrylate	-22.1 16.2	-20.5	-3.8	6.2	12.6	11.5	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-214589-1 Analy Batch No.: 624120
Environment Testing, LLC

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 14:42 Calibration End Date: 03/31/2025 16:43 Calibration ID: 71217

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dioxane	-30.9 3.3	-4.1	5.4	14.4	8.7	3.2	50 30	30	30	30	30	30
Dibromomethane	-7.5 3.1	-9.4	0.4	5.3	6.4	1.8	50 30	30	30	30	30	30
Bromodichloromethane	-16.7 14.4	-16.4	-4.3	4.3	9.8	8.9	50 30	30	30	30	30	30
2-Nitropropane	-19.3 ++++	-23.2	-6.1	9.4	19.8	19.3	50	30	30	30	30	30
2-Chloroethyl vinyl ether	-25.5 14.8	-23.1	1.3	7.5	12.5	12.5	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-23.9 17.9	-17.3	-3.9	5.4	10.9	10.8	50 30	30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	-24.2 7.3	-25.2	3.1	7.0	20.7	11.4	50 30	30	30	30	30	30
Toluene	-5.0 -5.3	-4.3	3.1	7.2	5.8	-1.6	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-17.4 10.4	-17.3	-2.6	5.0	12.6	9.2	50 30	30	30	30	30	30
Ethyl methacrylate	-26.0 11.7	-23.5	-3.9	9.9	17.1	14.6	50 30	30	30	30	30	30
1,1,2-Trichloroethane	-6.3 -2.3	-7.5	2.8	6.3	6.6	0.3	50 30	30	30	30	30	30
Tetrachloroethene	-10.6 -2.9	-3.8	3.7	7.4	7.0	-0.8	50 30	30	30	30	30	30
1,3-Dichloropropane	-2.9 -3.0	-7.0	1.9	5.5	5.8	-0.3	50 30	30	30	30	30	30
2-Hexanone	-22.2 -0.6	-24.9	5.0	8.6	24.7	9.6	50 30	30	30	30	30	30
Dibromochloromethane	-25.8 19.6	-22.6	-5.2	4.9	14.5	14.6	50 30	30	30	30	30	30
1,2-Dibromoethane (EDB)	-9.8 1.6	-11.6	1.8	5.3	8.5	4.0	50 30	30	30	30	30	30
1-Chlorohexane	-5.4 -0.3	-8.5	0.0	4.9	7.8	1.5	50 30	30	30	30	30	30
Chlorobenzene	-5.0 -3.0	-4.2	2.5	6.3	4.2	-0.7	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-19.8 4.8	-13.4	0.3	8.6	12.0	7.5	50 30	30	30	30	30	30
Ethylbenzene	-10.9 -4.4	-7.1	3.3	9.1	8.7	1.3	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-214589-1 Analy Batch No.: 624120
Environment Testing, LLC

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 14:42 Calibration End Date: 03/31/2025 16:43 Calibration ID: 71217

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
m&p-Xylene	-16.3 -1.4	-7.0	3.9	9.4	8.6	2.8	50 30	30	30	30	30	30
n-Butyl acrylate	++++ 10.6	-30.5	-14.6	7.3	13.3	13.8	30	50	30	30	30	30
o-Xylene	-18.4 -2.3	-8.0	4.6	10.7	10.0	3.3	50 30	30	30	30	30	30
Styrene	-30.0 4.8	-15.0	2.0	11.7	15.8	10.6	50 30	30	30	30	30	30
Bromoform	++++ 0.3	40.7	5.9	-0.8	-1.7	-2.0	30	50	30	30	30	30
Isopropylbenzene	-21.4 -1.8	-9.4	3.5	11.4	13.0	4.7	50 30	30	30	30	30	30
Cyclohexanone	-24.3 6.3	-17.7	3.2	12.7	10.0	9.8	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-12.7 6.3	-14.5	-2.5	7.2	9.8	6.3	50 30	30	30	30	30	30
Bromobenzene	-9.5 9.0	-10.2	-3.3	3.4	6.5	4.1	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-12.2 -0.1	-13.8	-0.9	9.1	10.8	7.1	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-4.4 0.1	-7.1	-1.1	6.3	5.5	0.6	50 30	30	30	30	30	30
N-Propylbenzene	-19.5 0.8	-8.8	1.6	8.9	11.8	5.1	50 30	30	30	30	30	30
2-Chlorotoluene	-17.5 7.3	-10.5	-0.1	6.6	9.6	4.6	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-26.0 7.0	-14.6	-1.3	9.1	15.6	10.3	50 30	30	30	30	30	30
4-Chlorotoluene	-17.3 6.2	-8.6	-0.4	7.2	9.1	3.7	50 30	30	30	30	30	30
tert-Butylbenzene	-31.7 16.0	-17.8	-2.4	6.9	16.1	12.9	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-27.5 7.3	-13.3	-0.8	10.1	14.8	9.4	50 30	30	30	30	30	30
sec-Butylbenzene	-31.6 6.3	-14.3	0.3	10.0	17.3	11.9	50 30	30	30	30	30	30
1,3-Dichlorobenzene	-10.3 3.0	-8.7	-0.5	4.9	7.6	4.1	50 30	30	30	30	30	30
p-Isopropyltoluene	-32.2 8.2	-16.7	-0.8	9.2	18.6	13.8	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-214589-1 Analy Batch No.: 624120
Environment Testing, LLC

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2025 14:42 Calibration End Date: 03/31/2025 16:43 Calibration ID: 71217

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dichlorobenzene	-4.9 1.6	-7.7	-1.7	4.3	6.6	1.8	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-20.3 4.3	-13.1	-1.0	8.3	13.5	8.3	50 30	30	30	30	30	30
Benzyl chloride	++++ 18.3	-31.4	-15.8	1.3	12.8	14.9	30	50	30	30	30	30
1,3-Diethylbenzene	-27.7 10.6	-15.8	-1.8	9.5	14.8	10.4	50 30	30	30	30	30	30
1,4-Diethylbenzene	-30.3 10.1	-14.2	-1.0	9.6	15.2	10.5	50 30	30	30	30	30	30
n-Butylbenzene	-25.7 6.0	-11.8	1.9	8.9	13.7	7.1	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-7.9 1.1	-6.9	-1.0	5.9	7.0	1.9	50 30	30	30	30	30	30
1,2-Diethylbenzene	-27.0 8.5	-14.0	-2.4	8.4	16.1	10.4	50 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	-14.9 14.7	-18.1	-7.4	5.2	9.6	10.9	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-16.9 11.2	-11.5	-2.7	4.3	9.8	5.8	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-16.2 11.6	-12.5	-4.6	3.9	10.2	7.4	50 30	30	30	30	30	30
2-Ethylhexyl acrylate	++++ 2.1	30.2	-13.7	-13.0	-4.3	-1.4	30	50	30	30	30	30
Hexachlorobutadiene	++++ 9.3	-18.6	-4.9	-0.5	10.3	4.4	30	50	30	30	30	30
Naphthalene	-15.2 2.6	-13.9	-1.2	8.4	12.6	6.7	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-11.6 9.4	-11.8	-3.1	4.0	8.4	4.7	50 30	30	30	30	30	30
2-Methylnaphthalene	++++ 18.2	-31.8	-10.8	0.0	13.1	11.3	30	50	30	30	30	30
Dibromofluoromethane (Surr)	0.3 -2.8	1.7	2.1	0.7	-1.0	-1.1	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	1.0 -2.8	-1.7	0.3	-0.8	5.3	-1.2	50 30	30	30	30	30	30
Toluene-d8 (Surr)	1.7 -5.3	0.9	2.5	1.1	0.6	-1.5	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	2.5 -5.6	2.5	2.6	1.8	-1.3	-2.6	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
 Lims ID: IC v1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 31-Mar-2025 14:42:15 ALS Bottle#: 12 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0142514-012
 Operator ID: kas02648 Instrument ID: 7159
 Sublist: chrom-MSVoa_7159*sub31
 Method: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 31-Mar-2025 21:32:48 Calib Date: 31-Mar-2025 16:43:59
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1685

First Level Reviewer: UKAD

Date: 31-Mar-2025 17:36:10

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.071	2.067	0.004	97	7331	1.00	0.8411	
6 Chloromethane	50	2.286	2.276	0.010	98	6995	1.00	1.04	a
7 Vinyl chloride	62	2.411	2.408	0.003	95	6751	1.00	0.9494	
8 Butadiene	39	2.424	2.434	-0.010	85	5778	1.00	0.99	
10 Bromomethane	94	2.788	2.794	-0.006	92	6765	1.00	0.9784	
11 Chloroethane	64	2.874	2.871	0.003	96	4483	1.00	0.9296	M
12 Dichlorofluoromethane	67	3.177	3.170	0.007	95	13335	1.00	0.9465	
13 Trichlorofluoromethane	101	3.234	3.231	0.003	64	8688	1.00	0.8217	M
14 Pentane	43	3.247	3.244	0.003	90	8001	1.00	0.9593	M
16 Ethanol	45	3.344	3.434	-0.090	22	4897	62.5	56.4	M
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.601	3.614	-0.013	41	5608	1.00	0.8678	M
18 Acrolein	56	3.691	3.685	0.006	98	14947	9.76	9.42	
19 1,1-Dichloroethene	96	3.845	3.839	0.006	90	4533	1.00	0.9264	M
21 Acetone	58	3.906	3.874	0.032	96	1401	2.00	1.86	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.897	3.874	0.023	84	5472	1.00	0.8882	M
23 Iodomethane	142	4.054	4.067	-0.013	94	8869	1.00	0.8989	Ma
24 Isopropyl alcohol	45	4.135	4.067	0.068	35	4364	5.00	5.25	M
25 Carbon disulfide	76	4.206	4.205	0.001	20	13262	1.00	0.8982	M
26 Methyl acetate	43	4.344	4.340	0.004	66	4991	1.00	1.08	M
27 3-Chloro-1-propene	41	4.363	4.363	0.000	86	5864	1.00	0.9633	M
28 Methylene Chloride	84	4.598	4.594	0.004	68	5699	1.00	1.00	M
* 29 t-Butyl alcohol-d10 (IS)	65	4.656	4.636	0.020	97	309777	250.0	250.0	
30 2-Methyl-2-propanol	59	4.755	4.771	-0.016	28	5933	5.00	5.25	M
32 Acrylonitrile	53	4.968	4.948	0.020	98	6824	2.50	2.53	M
33 Methyl tert-butyl ether	73	5.000	4.987	0.013	93	14319	1.00	1.00	M
34 trans-1,2-Dichloroethene	96	5.006	4.996	0.010	94	4355	1.00	0.9226	M
36 Hexane	57	5.424	5.421	0.003	93	5256	1.00	0.8435	M
37 1,1-Dichloroethane	63	5.678	5.672	0.006	93	7210	1.00	0.9349	M
38 Isopropyl ether	45	5.733	5.729	0.004	93	12490	1.00	0.9490	
39 2-Chloro-1,3-butadiene	53	5.784	5.775	0.010	90	4847	1.00	0.8032	
S 42 1,2-Dichloroethene, Total	100				0			1.85	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	6.260	6.263	-0.003	97	12518	1.00	0.9209	M
43 2-Butanone (MEK)	43	6.498	6.485	0.013	98	6016	2.00	1.89	
44 cis-1,2-Dichloroethene	96	6.511	6.501	0.010	81	5091	1.00	0.9303	a
45 2,2-Dichloropropane	77	6.530	6.520	0.010	90	6362	1.00	0.8956	a
46 Propionitrile	54	6.601	6.594	0.007	98	5890	5.00	4.95	a
183 Methyl acrylate	55	6.614	6.607	0.007	95	5143	1.00	0.9004	
47 Methacrylonitrile	67	6.800	6.794	0.006	84	5683	2.50	2.25	Ma
48 Chlorobromomethane	128	6.826	6.832	-0.006	87	2370	1.00	0.8672	a
49 Tetrahydrofuran	71	6.839	6.842	-0.003	86	5141	5.00	5.06	
50 Chloroform	83	6.987	6.980	0.007	92	7679	1.00	0.9459	
\$ 51 Dibromofluoromethane (Surr)	113	7.196	7.192	0.004	94	210101	50.0	50.2	
52 1,1,1-Trichloroethane	97	7.202	7.205	-0.003	92	7055	1.00	0.8930	a
53 Cyclohexane	56	7.302	7.292	0.010	85	8078	1.00	0.8683	
56 Carbon tetrachloride	117	7.411	7.408	0.003	83	5434	1.00	0.8252	M
55 1,1-Dichloropropene	75	7.414	7.411	0.003	94	5438	1.00	0.8663	M
57 Isobutyl alcohol	41	7.569	7.572	-0.003	43	4328	12.5	13.0	M
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.646	7.643	0.003	0	52588	50.0	50.5	
60 Benzene	78	7.678	7.675	0.003	96	17936	1.00	0.9516	
61 1,2-Dichloroethane	62	7.752	7.752	0.000	96	5803	1.00	1.00	
62 Tert-amyl methyl ether	73	7.852	7.861	-0.009	97	12207	1.00	0.9179	M
64 n-Heptane	43	8.070	8.070	0.000	38	4587	1.00	0.8676	
* 63 Fluorobenzene (IS)	96	8.074	8.073	0.001	99	794381	50.0	50.0	
66 n-Butanol	56	8.456	8.434	0.022	79	2086	12.5	7.72	M
67 Trichloroethene	95	8.546	8.536	0.010	94	4250	1.00	0.8833	Ma
178 Ethyl acrylate	55	8.652	8.655	-0.003	96	4195	1.00	0.7875	
68 Methylcyclohexane	83	8.842	8.839	0.003	82	7946	1.00	0.8011	
70 2-ethoxy-2-methyl butane	87	8.871	8.871	0.000	93	5645	1.00	0.8224	
69 1,2-Dichloropropane	63	8.877	8.877	0.000	80	3939	1.00	0.8811	M
71 Methyl methacrylate	69	8.951	8.951	0.000	87	2634	1.00	0.7787	
72 1,4-Dioxane	88	8.977	8.961	0.016	1	799	12.5	8.64	M
73 Dibromomethane	93	8.984	8.983	0.001	98	2758	1.00	0.9249	
75 Dichlorobromomethane	83	9.215	9.209	0.007	97	4343	1.00	0.8328	M
76 2-Nitropropane	41	9.485	9.482	0.003	98	5255	5.00	4.04	
78 2-Chloroethyl vinyl ether	63	9.549	9.549	0.000	87	2030	1.00	0.7448	
79 cis-1,3-Dichloropropene	75	9.723	9.723	0.000	95	4831	1.00	0.7609	
80 4-Methyl-2-pentanone (MIBK)	43	9.893	9.890	0.003	95	9015	2.00	1.52	
\$ 81 Toluene-d8 (Surr)	98	10.012	10.012	0.000	93	729227	50.0	50.9	
S 104 1,3-Dichloropropene, Total	100				0			1.59	
82 Toluene	92	10.080	10.083	-0.003	98	9994	1.00	0.9505	
105 trans-1,3-Dichloropropene	75	10.328	10.327	0.001	91	4158	1.00	0.8258	
106 Ethyl methacrylate	69	10.382	10.382	0.000	85	3836	1.00	0.7400	
107 1,1,2-Trichloroethane	97	10.527	10.524	0.003	90	3446	1.00	0.9374	
108 Tetrachloroethene	166	10.601	10.601	0.000	95	4223	1.00	0.8939	M
109 1,3-Dichloropropane	76	10.684	10.681	0.003	89	5892	1.00	0.9709	
110 2-Hexanone	43	10.733	10.729	0.004	93	5725	2.00	1.56	
111 Chlorodibromomethane	129	10.887	10.884	0.003	86	2671	1.00	0.7418	
112 Ethylene Dibromide	107	10.996	10.996	0.000	90	3392	1.00	0.9023	
S 113 Xylenes, Total	106				0			2.49	
* 114 Chlorobenzene-d5 (IS)	117	11.408	11.408	0.000	84	551831	50.0	50.0	
115 1-Chlorohexane	91	11.408	11.411	-0.003	47	5338	1.00	0.9458	
116 Chlorobenzene	112	11.434	11.434	0.000	97	11194	1.00	0.9495	
117 1,1,1,2-Tetrachloroethane	131	11.511	11.514	-0.003	45	3610	1.00	0.8022	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
118 Ethylbenzene	91	11.514	11.514	0.000	98	17988	1.00	0.8909	
119 m-Xylene & p-Xylene	106	11.627	11.623	0.004	0	13175	2.00	1.67	
272 n-Butyl acrylate	55	11.890	11.890	0.000	95	3917	1.00	0.6422	
120 o-Xylene	106	11.945	11.945	0.000	97	6766	1.00	0.8163	
121 Styrene	104	11.964	11.961	0.003	91	8001	1.00	0.6999	
122 Bromoform	173	12.119	12.118	0.000	57	597	1.00	3.79	
123 Isopropylbenzene	105	12.237	12.237	0.000	95	15637	1.00	0.7865	
124 Cyclohexanone	55	12.328	12.324	0.004	91	11481	50.0	37.8	
\$ 125 4-Bromofluorobenzene (Surr)	95	12.379	12.379	0.000	95	267694	50.0	51.2	
126 1,1,2,2-Tetrachloroethane	83	12.475	12.479	-0.004	95	5560	1.00	0.8732	
127 Bromobenzene	156	12.495	12.498	-0.003	96	4585	1.00	0.9045	
128 trans-1,4-Dichloro-2-butene	53	12.504	12.504	0.000	78	3455	2.50	2.20	
129 1,2,3-Trichloropropane	110	12.527	12.527	0.000	82	1990	1.00	0.9564	
130 N-Propylbenzene	91	12.559	12.559	0.000	98	20401	1.00	0.8055	
131 2-Chlorotoluene	126	12.633	12.636	-0.003	97	4414	1.00	0.8252	
132 1,3,5-Trimethylbenzene	105	12.691	12.691	0.000	94	14188	1.00	0.7395	
133 4-Chlorotoluene	126	12.729	12.729	0.000	96	4155	1.00	0.8273	
134 tert-Butylbenzene	134	12.929	12.932	-0.003	92	2746	1.00	0.6834	
136 1,2,4-Trimethylbenzene	105	12.974	12.970	0.004	97	13718	1.00	0.7254	
137 sec-Butylbenzene	105	13.093	13.089	0.004	94	16910	1.00	0.6838	
138 1,3-Dichlorobenzene	146	13.189	13.189	0.000	96	8646	1.00	0.8973	
139 4-Isopropyltoluene	119	13.196	13.196	0.000	97	14144	1.00	0.6775	
* 140 1,4-Dichlorobenzene-d4	152	13.247	13.244	0.003	95	305318	50.0	50.0	
141 1,4-Dichlorobenzene	146	13.263	13.263	0.000	95	9146	1.00	0.9514	a
142 1,2,3-Trimethylbenzene	105	13.273	13.273	0.000	94	16216	1.00	0.7970	
143 Benzyl chloride	91	13.340	13.340	0.000	98	6008	1.00	0.6369	
144 1,3-Diethylbenzene	119	13.392	13.392	0.000	96	8362	1.00	0.7231	
145 p-Diethylbenzene	119	13.466	13.462	0.004	93	8307	1.00	0.6972	
146 n-Butylbenzene	92	13.482	13.482	0.000	97	7110	1.00	0.7431	a
147 1,2-Dichlorobenzene	146	13.524	13.520	0.004	97	8857	1.00	0.9211	
148 o-diethylbenzene	119	13.533	13.536	-0.003	95	7618	1.00	0.7297	
150 1,2-Dibromo-3-Chloropropane	75	14.061	14.057	0.004	78	1295	1.00	0.8512	M
151 1,3,5-Trichlorobenzene	180	14.180	14.176	0.004	97	5848	1.00	0.8312	
152 1,2,4-Trichlorobenzene	180	14.601	14.597	0.004	94	5104	1.00	0.8382	
267 2-Ethylhexyl acrylate	55	14.649	14.652	-0.003	87	2739	1.00	3.96	
153 Hexachlorobutadiene	225	14.675	14.678	-0.003	95	1350	1.00	0.5276	M
154 Naphthalene	128	14.784	14.787	-0.003	97	19046	1.00	0.8479	
155 1,2,3-Trichlorobenzene	180	14.929	14.929	0.000	94	5510	1.00	0.8844	
156 2-Methylnaphthalene	142	15.581	15.581	0.000	93	7523	1.00	0.6363	
S 165 Total Diethylbenzene	1				0			2.15	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_4ppbEtOH_00749

Amount Added: 12.50

Units: mL

MSV_Cent_ISSS_00035

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 31-Mar-2025 21:32:49

Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D

Injection Date: 31-Mar-2025 14:42:15

Instrument ID: 7159

Operator ID: kas02648

Lims ID: IC v1

Worklist Smp#: 12

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

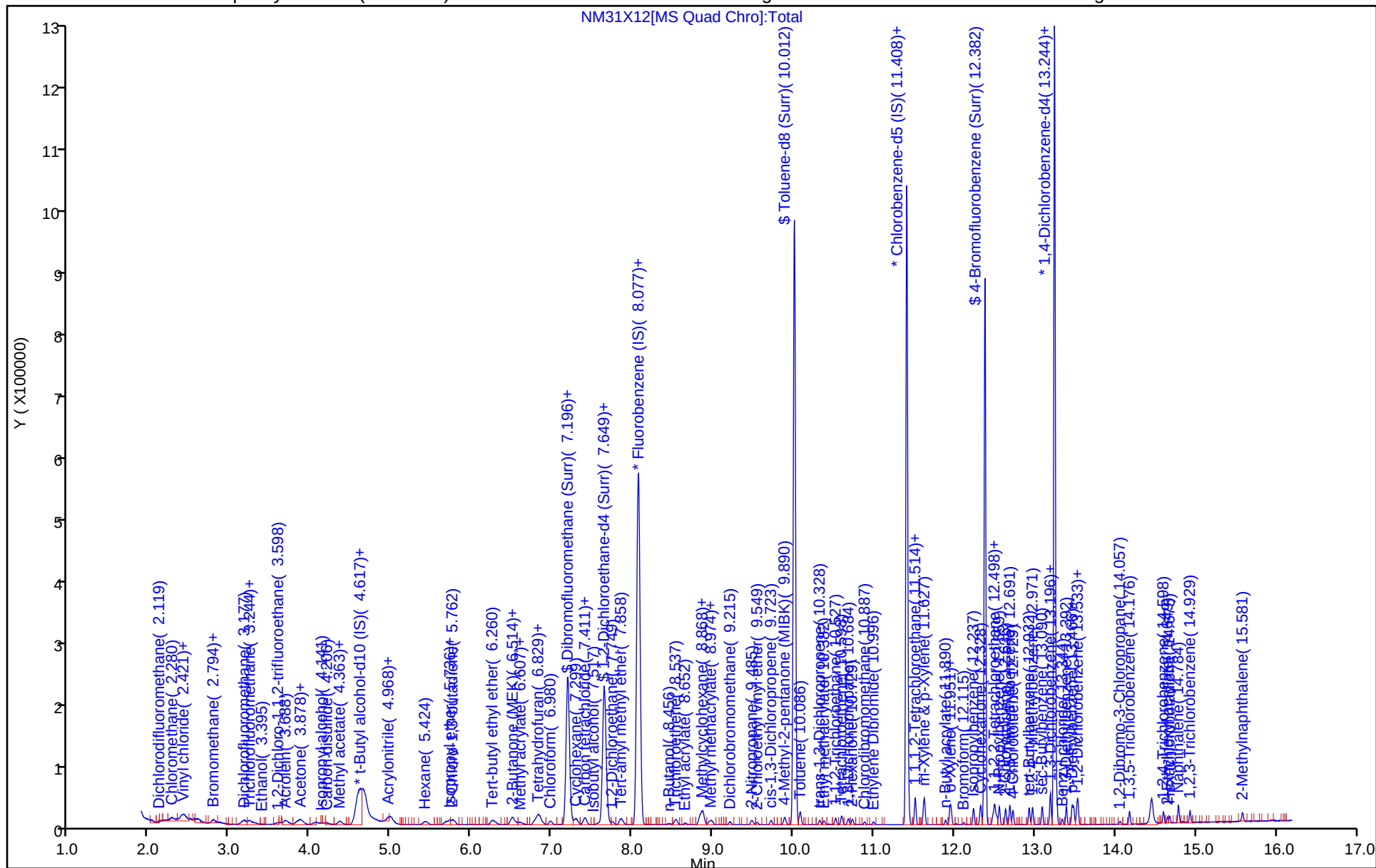
ALS Bottle#: 12

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC

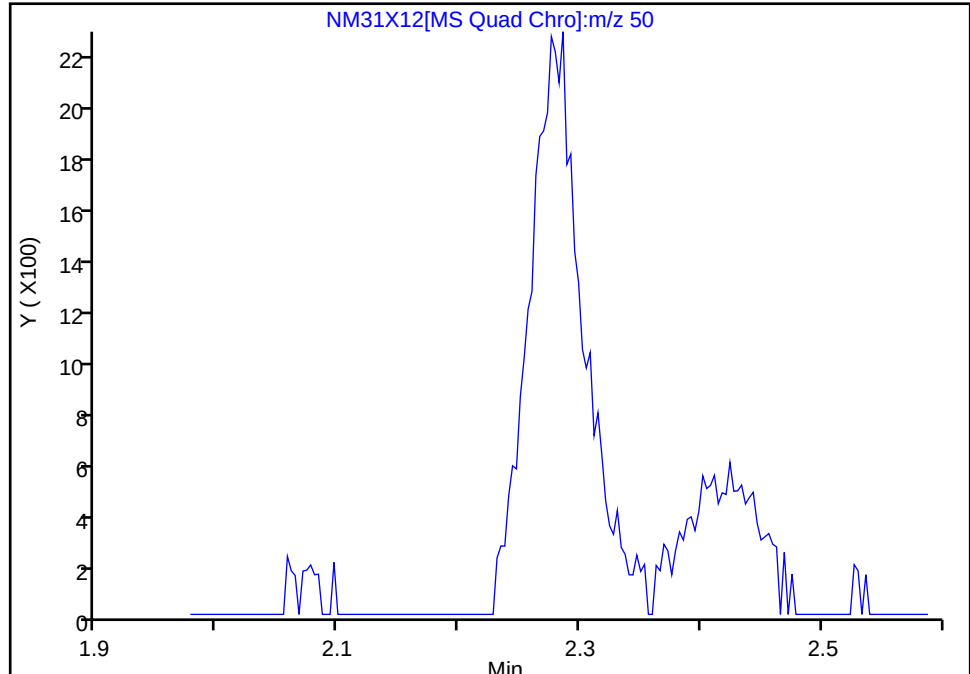
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

6 Chloromethane, CAS: 74-87-3

Signal: 1

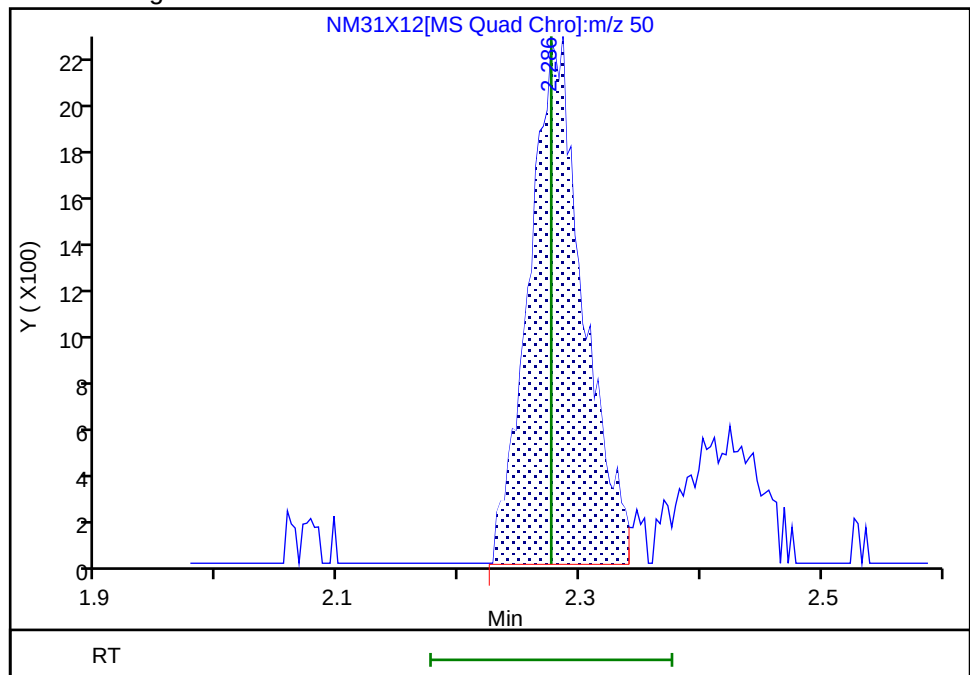
Not Detected
Expected RT: 2.28

Processing Integration Results



RT: 2.29
Area: 6995
Amount: 1.044199
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 17:36:06 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

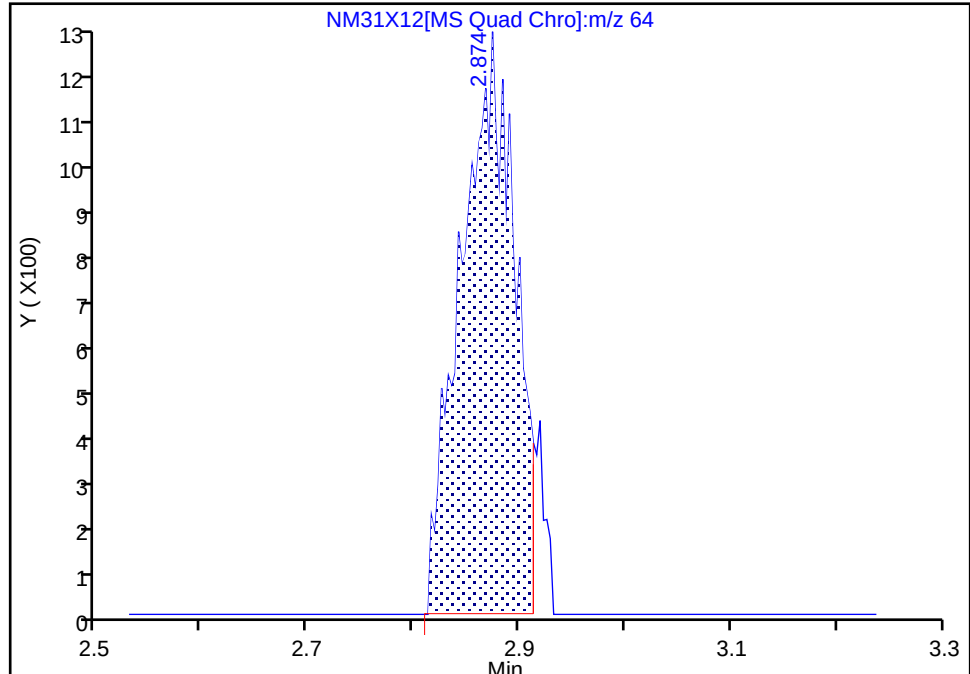
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

11 Chloroethane, CAS: 75-00-3

Signal: 1

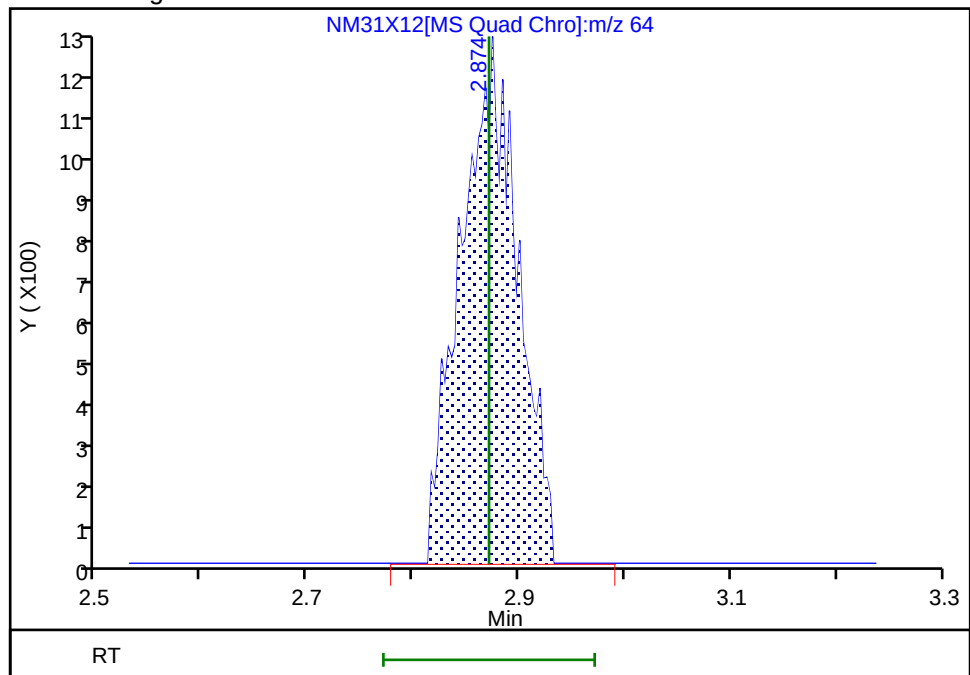
RT: 2.87
Area: 4234
Amount: 0.884523
Amount Units: ug/l

Processing Integration Results



RT: 2.87
Area: 4483
Amount: 0.929633
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:38:34 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

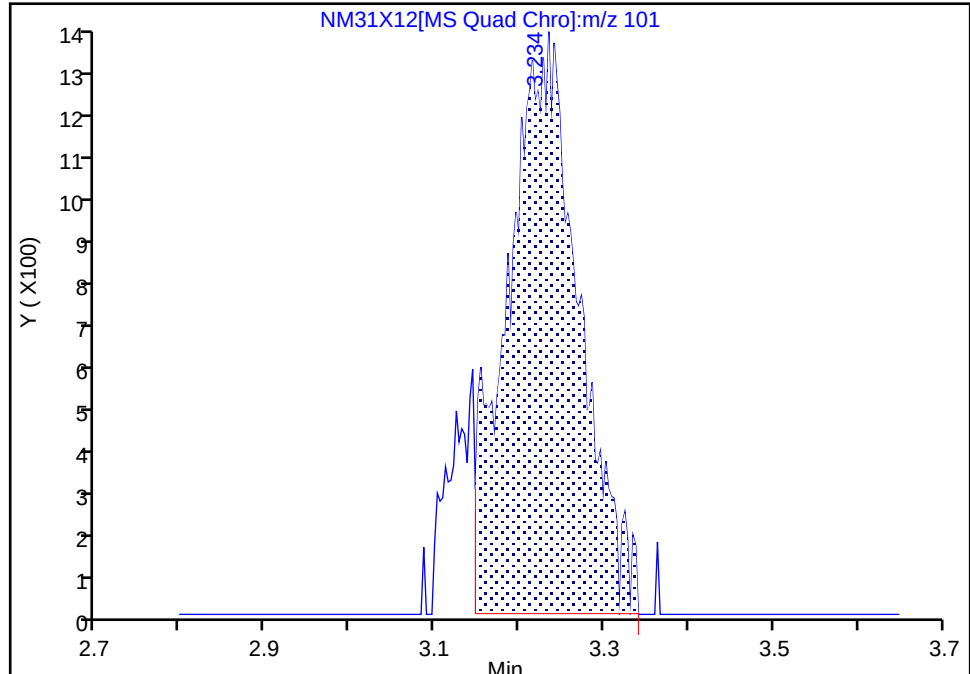
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

13 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

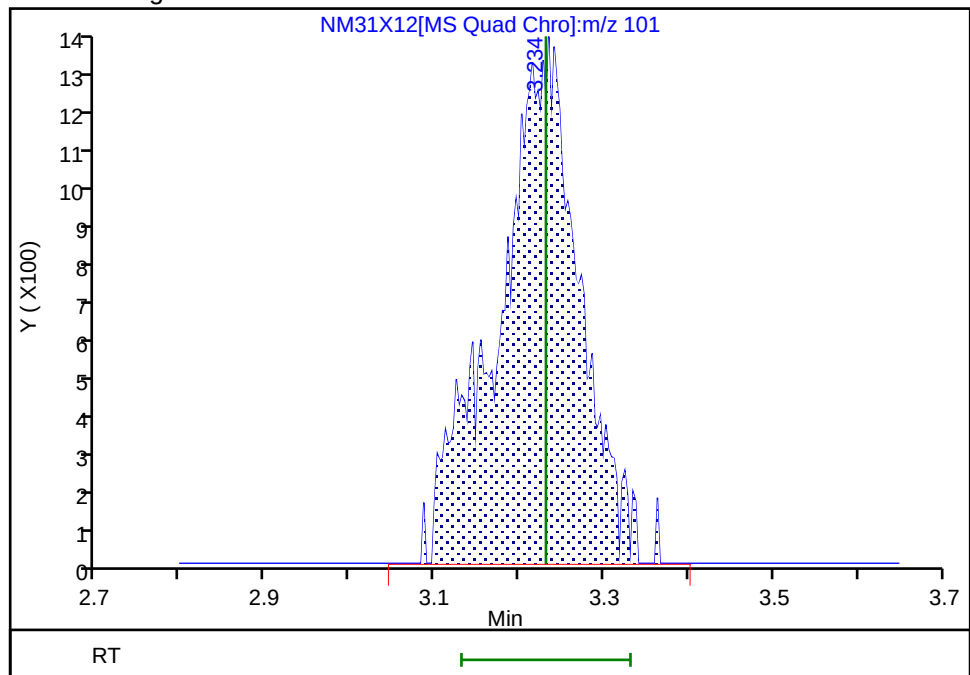
RT: 3.23
Area: 7618
Amount: 0.731041
Amount Units: ug/l

Processing Integration Results



RT: 3.23
Area: 8688
Amount: 0.821668
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:38:40 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

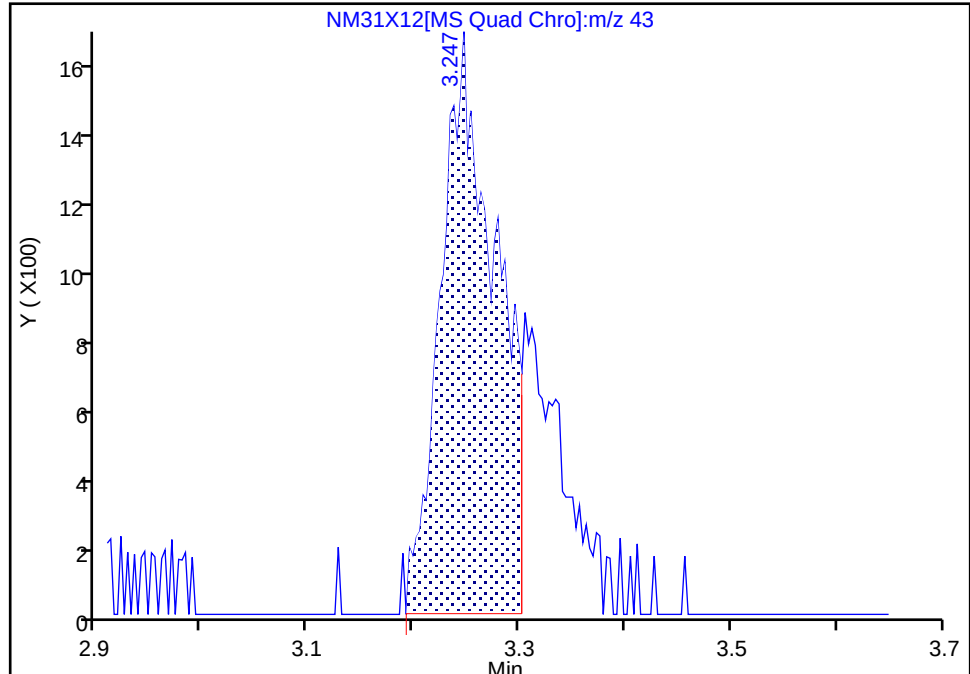
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

14 Pentane, CAS: 109-66-0

Signal: 1

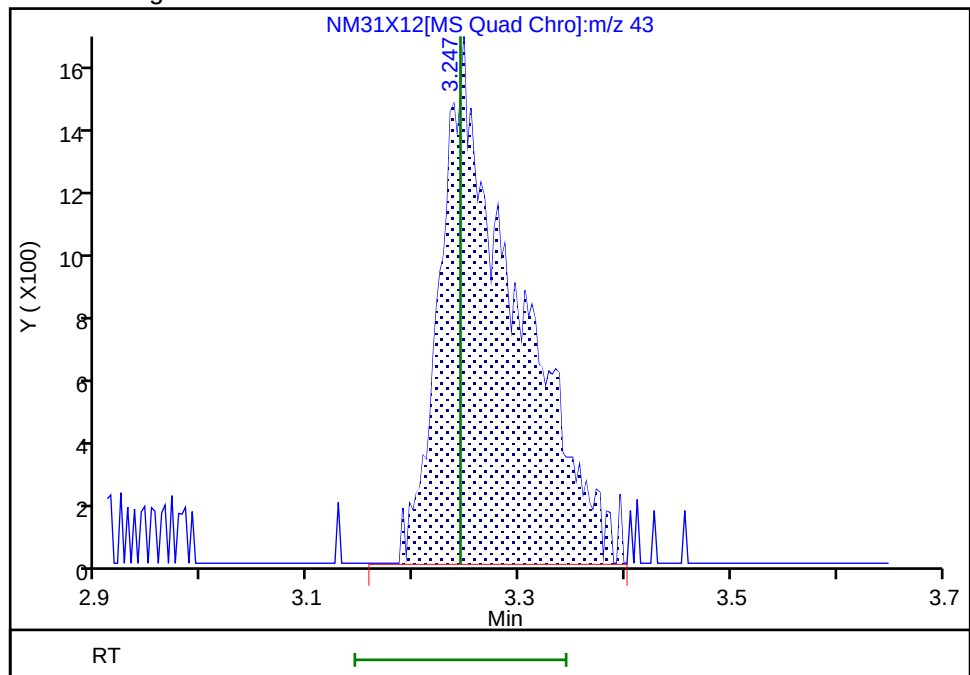
RT: 3.25
Area: 5870
Amount: 0.730435
Amount Units: ug/l

Processing Integration Results



RT: 3.25
Area: 8001
Amount: 0.959268
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:38:46 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

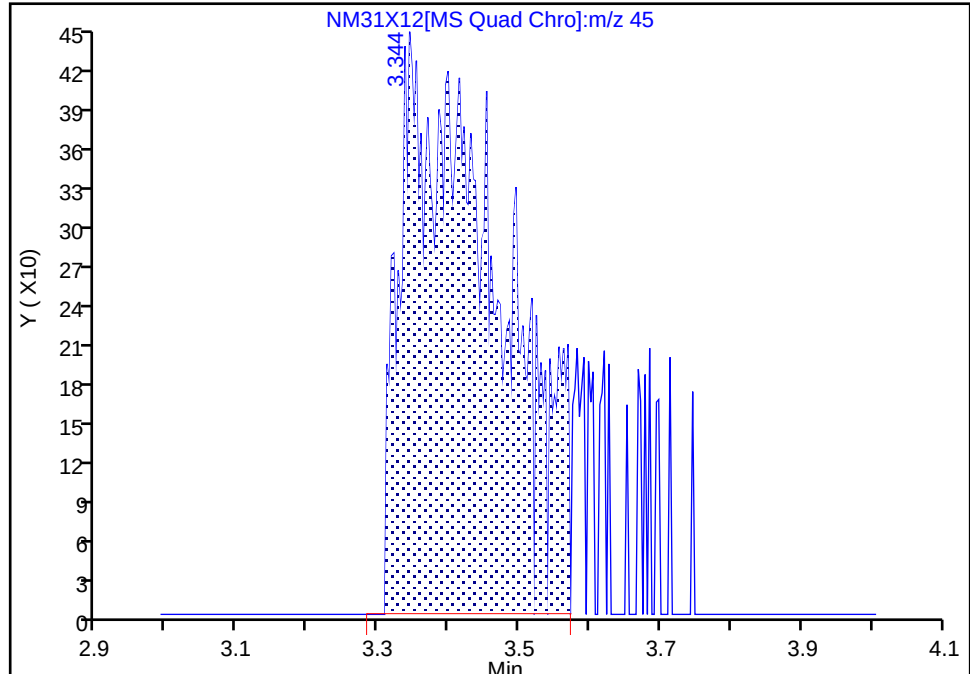
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\nm31x12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

16 Ethanol, CAS: 64-17-5

Signal: 1

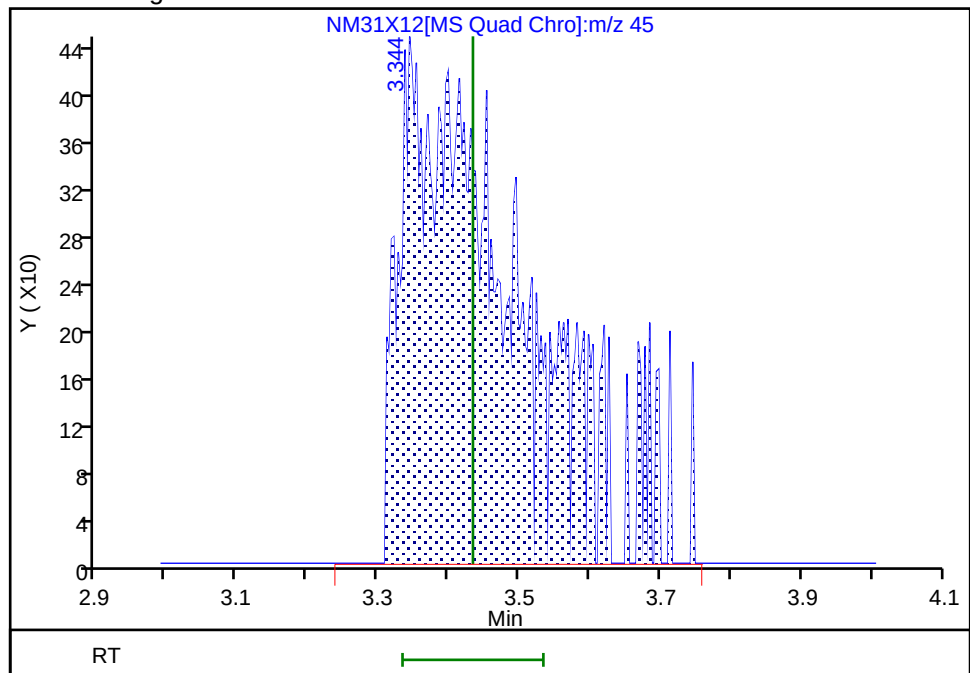
RT: 3.34
Area: 4148
Amount: 115.8976
Amount Units: ug/l

Processing Integration Results



RT: 3.34
Area: 4897
Amount: 56.399345
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:46:05 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

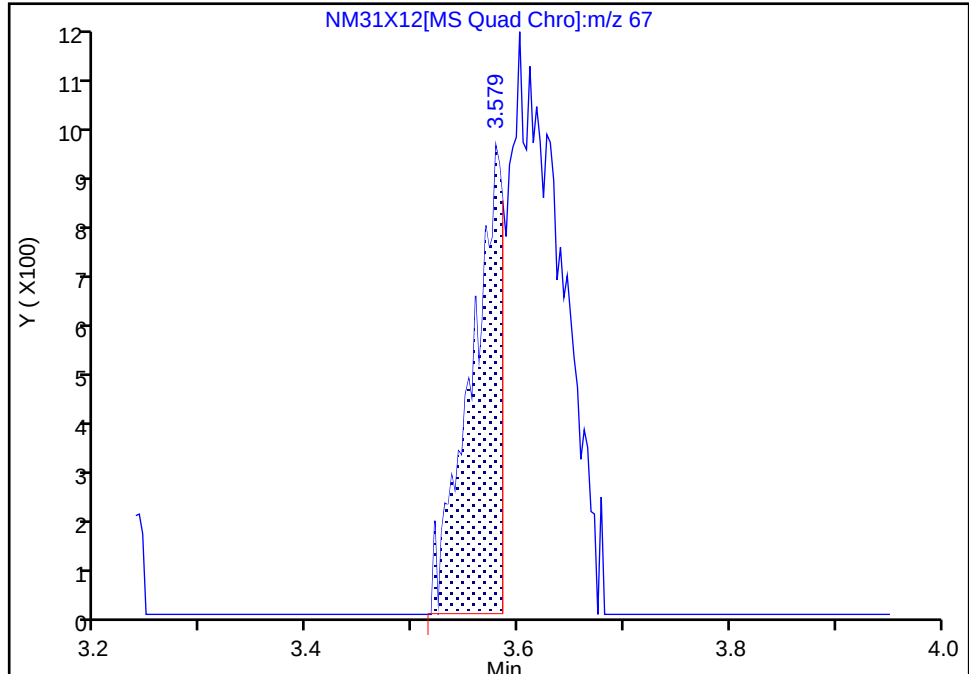
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

17 1,2-Dichloro-1,1,2-trifluoroetha, CAS: 354-23-4

Signal: 1

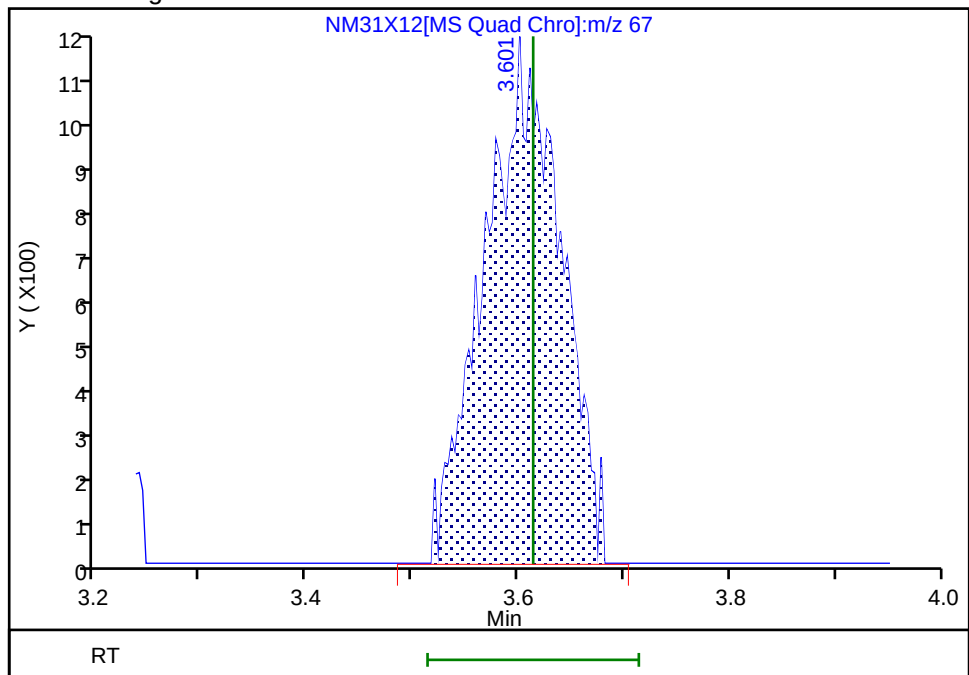
RT: 3.58
Area: 1853
Amount: 0.976735
Amount Units: ug/l

Processing Integration Results



RT: 3.60
Area: 5608
Amount: 0.867830
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:38:55 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

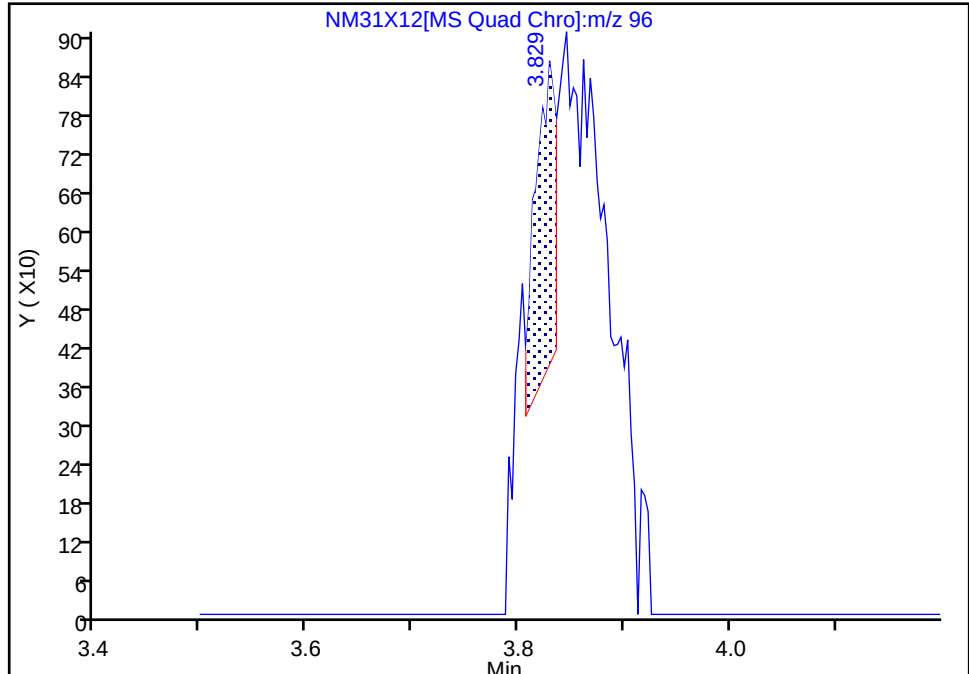
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

19 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

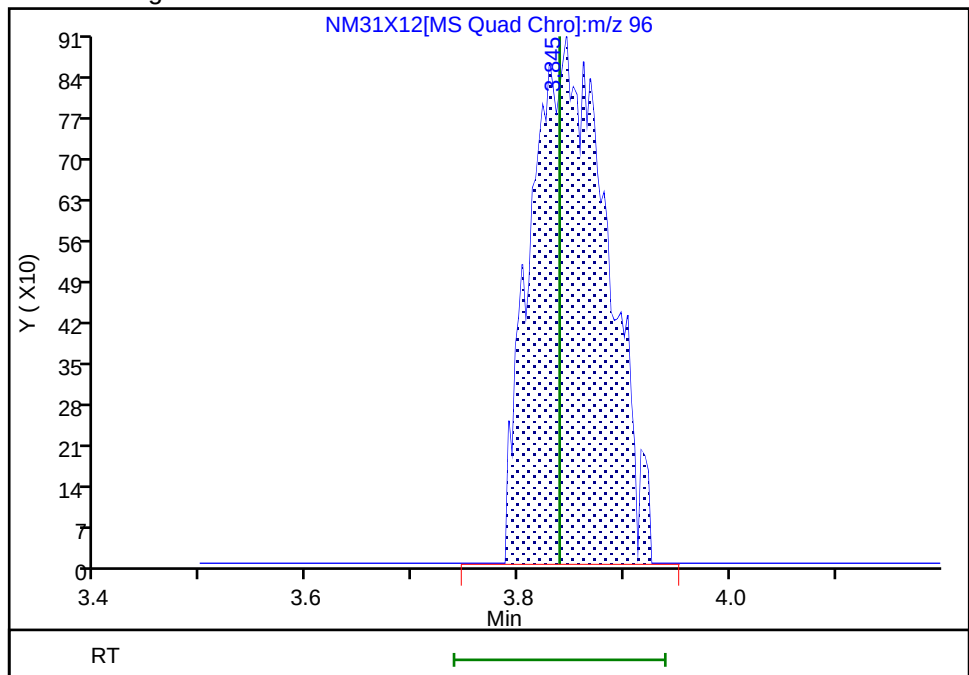
RT: 3.83
Area: 639
Amount: 0.961030
Amount Units: ug/l

Processing Integration Results



RT: 3.85
Area: 4533
Amount: 0.926376
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:39:00 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

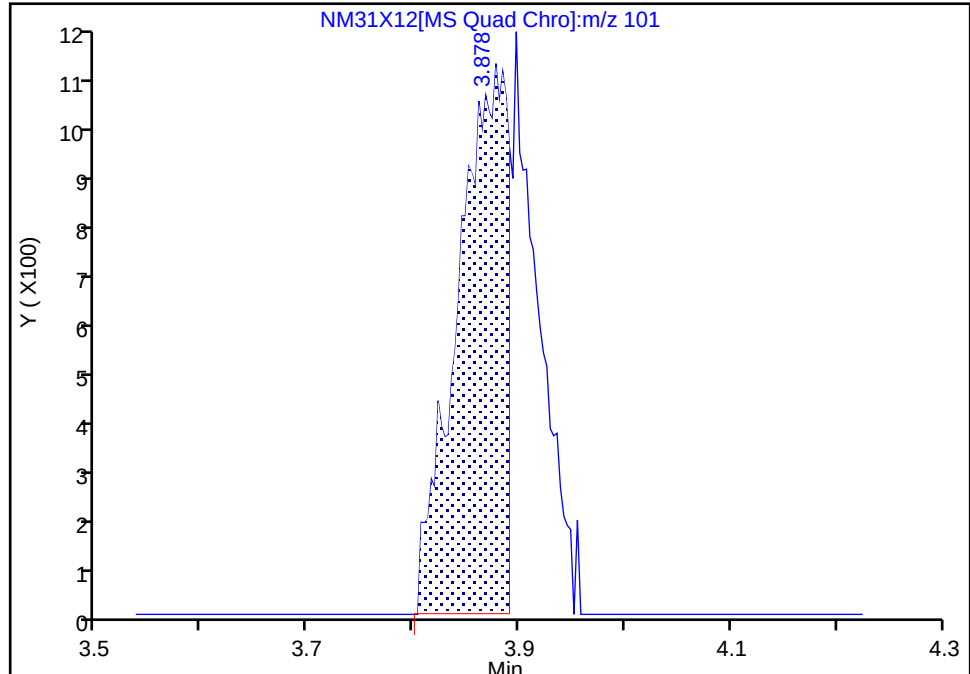
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

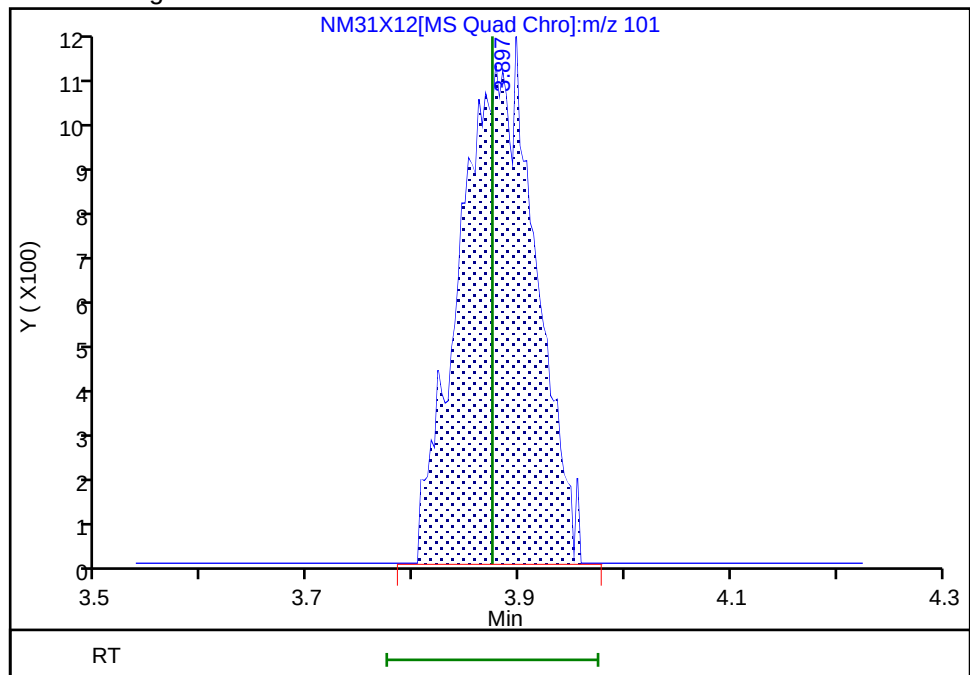
RT: 3.88
Area: 3496
Amount: 0.594700
Amount Units: ug/l

Processing Integration Results



RT: 3.90
Area: 5472
Amount: 0.888185
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:39:05 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

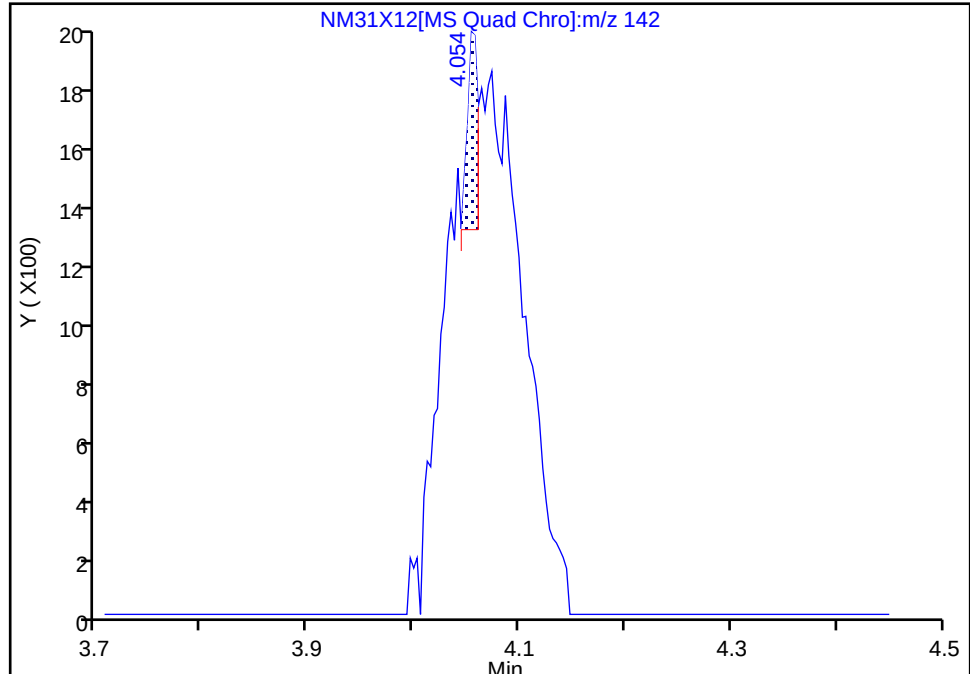
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Iodomethane, CAS: 74-88-4

Signal: 1

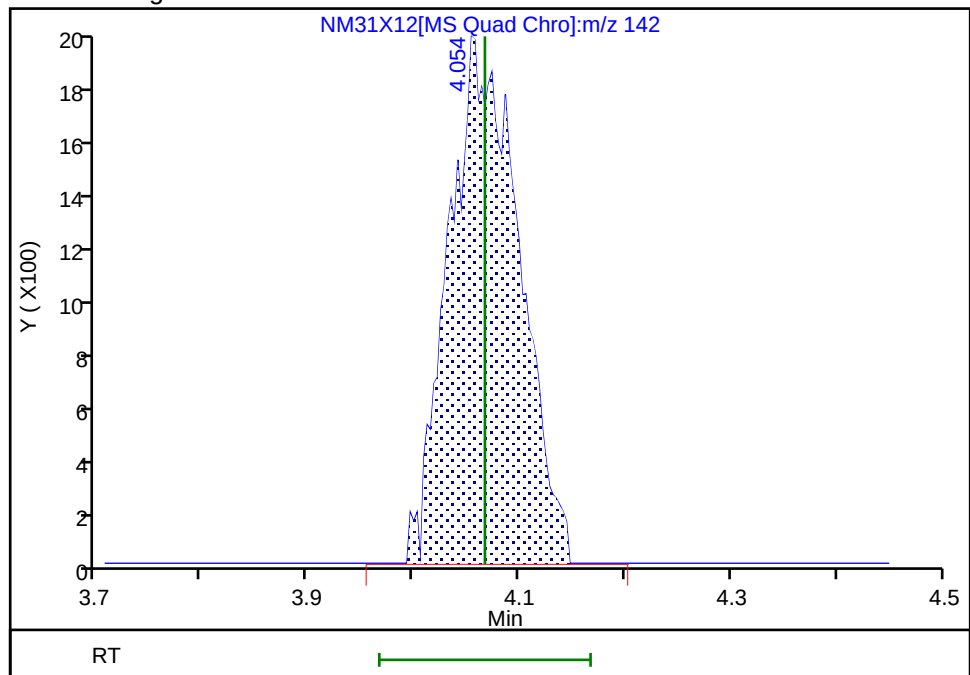
RT: 4.05
Area: 433
Amount: 0.961667
Amount Units: ug/l

Processing Integration Results



RT: 4.05
Area: 8869
Amount: 0.898914
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:39:14 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

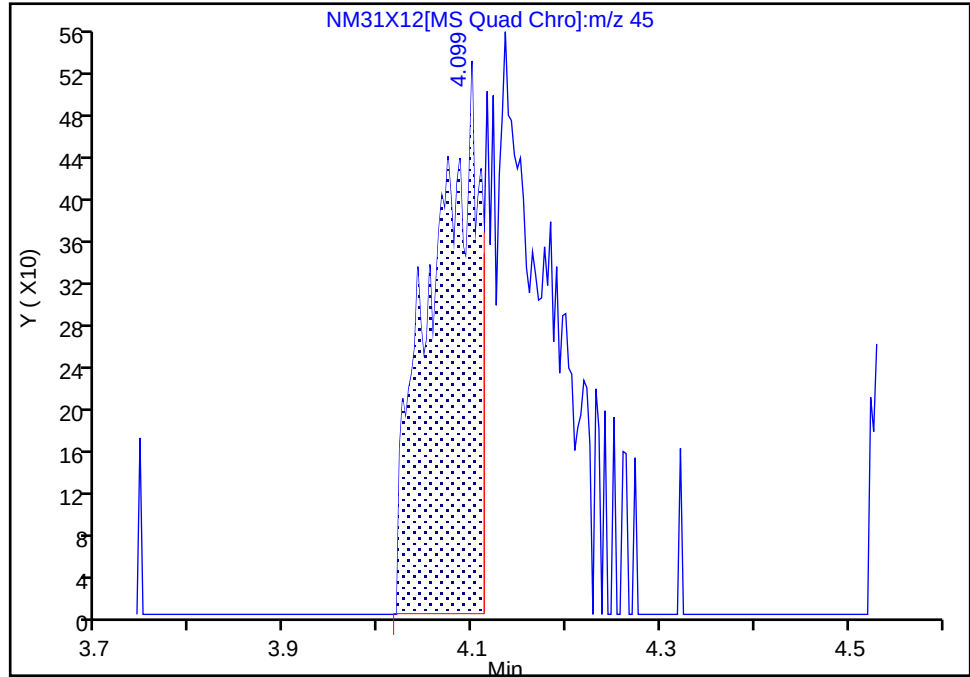
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

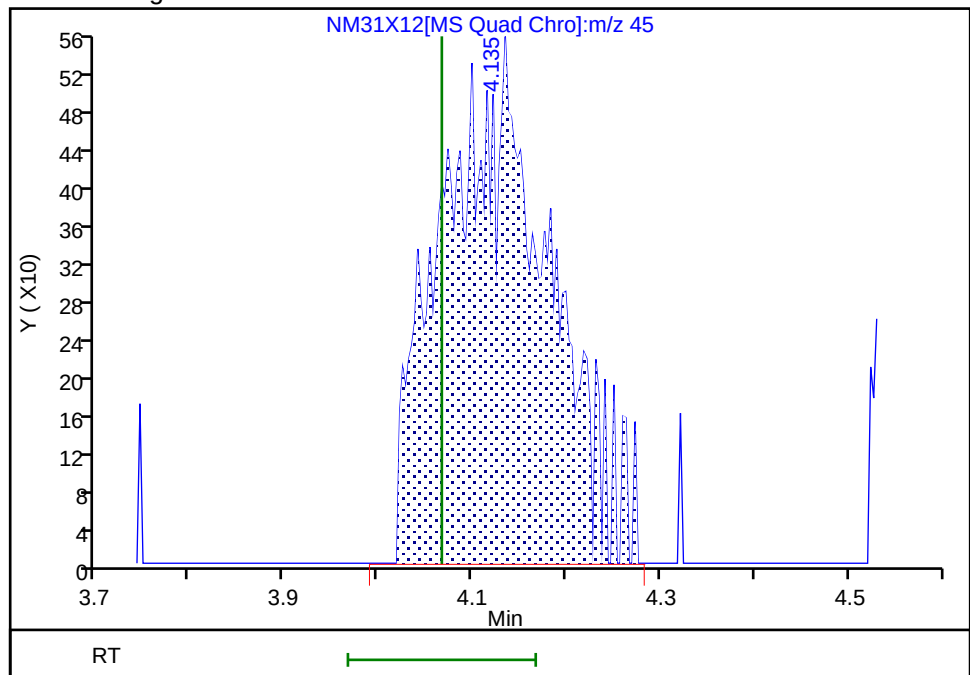
RT: 4.10
Area: 1865
Amount: 2.589265
Amount Units: ug/l

Processing Integration Results



RT: 4.13
Area: 4364
Amount: 5.247425
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:39:25 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

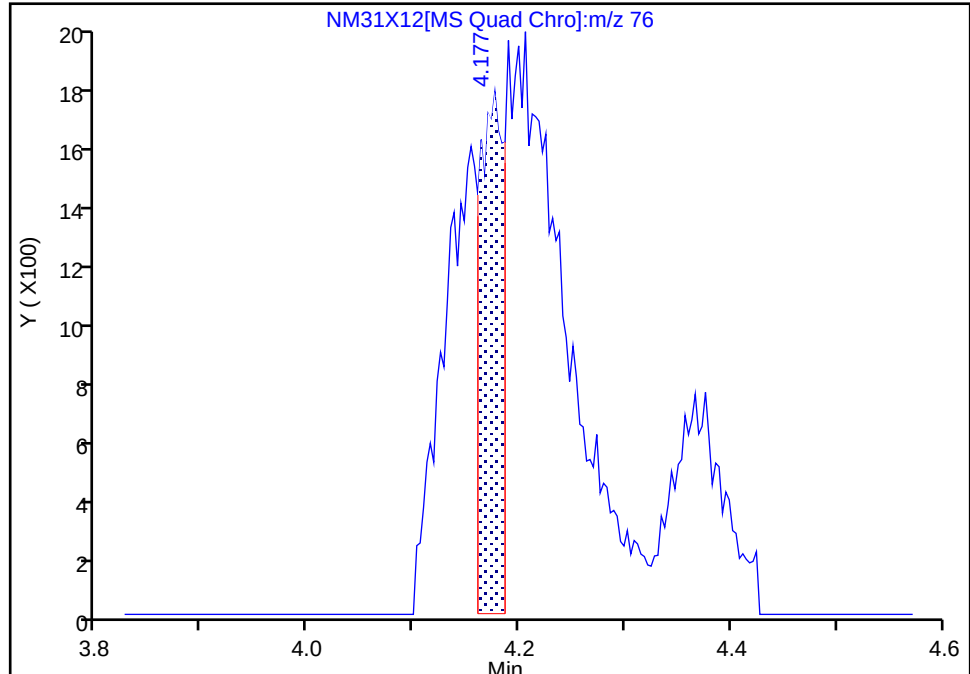
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

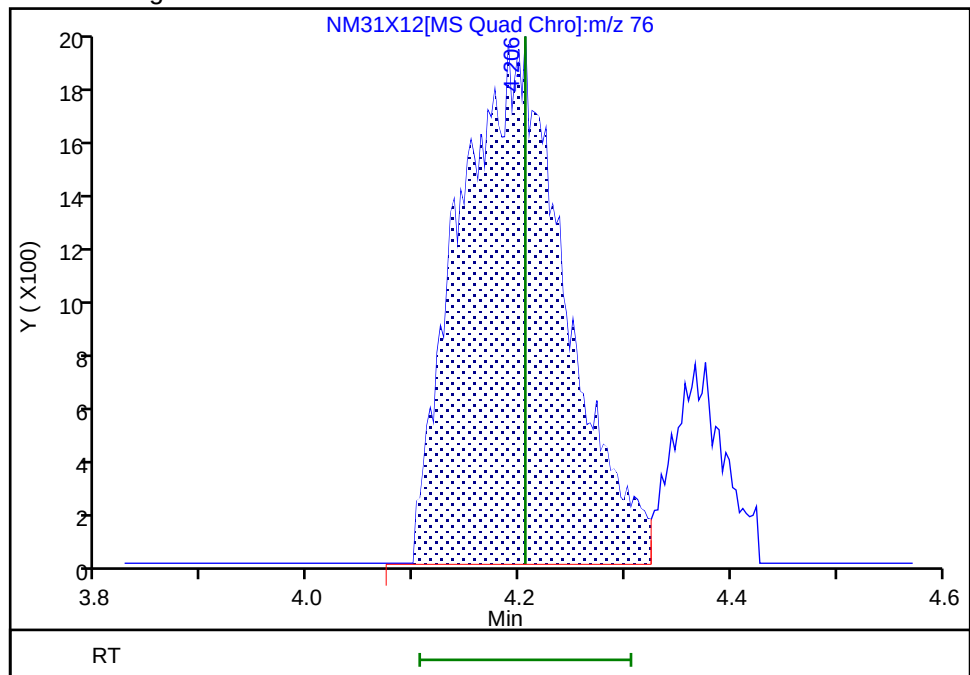
RT: 4.18
Area: 2736
Amount: 0.634877
Amount Units: ug/l

Processing Integration Results



RT: 4.21
Area: 13262
Amount: 0.898239
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:39:36 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

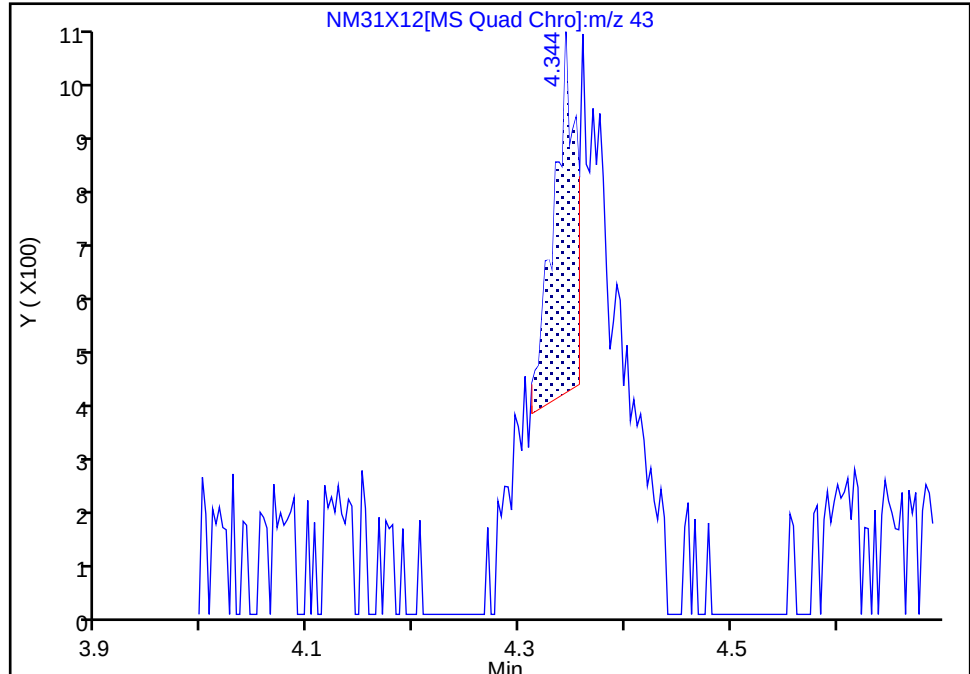
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

26 Methyl acetate, CAS: 79-20-9

Signal: 1

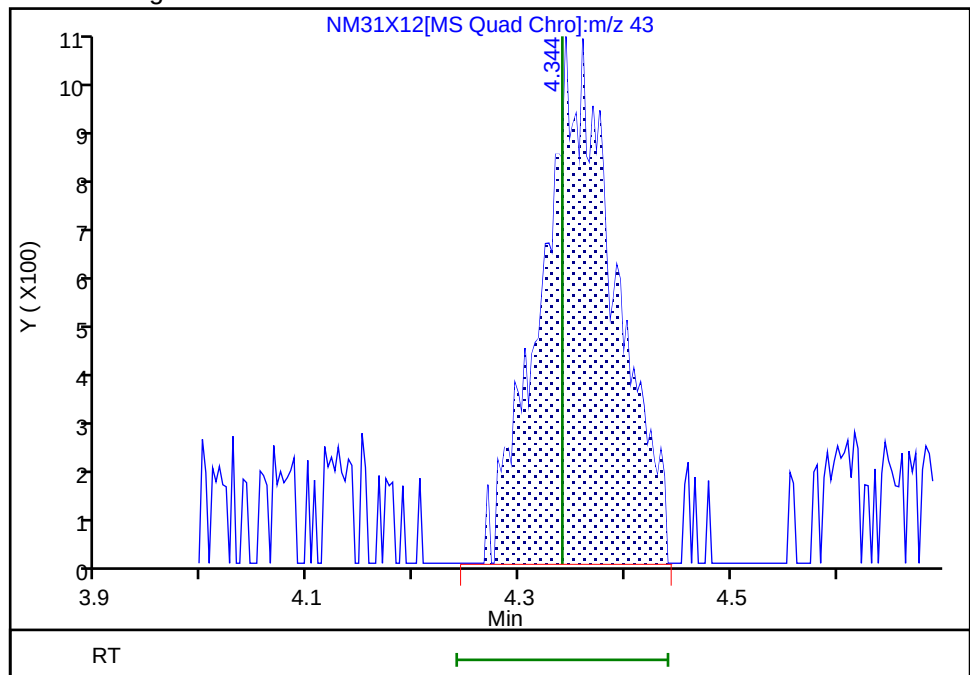
RT: 4.34
Area: 906
Amount: 0.957303
Amount Units: ug/l

Processing Integration Results



RT: 4.34
Area: 4991
Amount: 1.075730
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:39:46 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

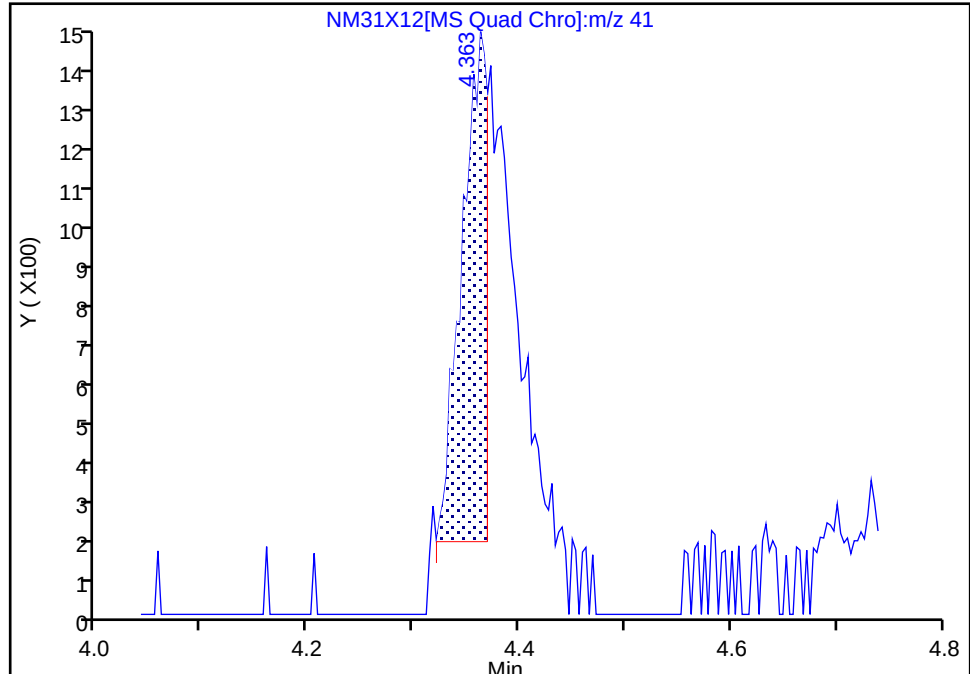
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

27 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

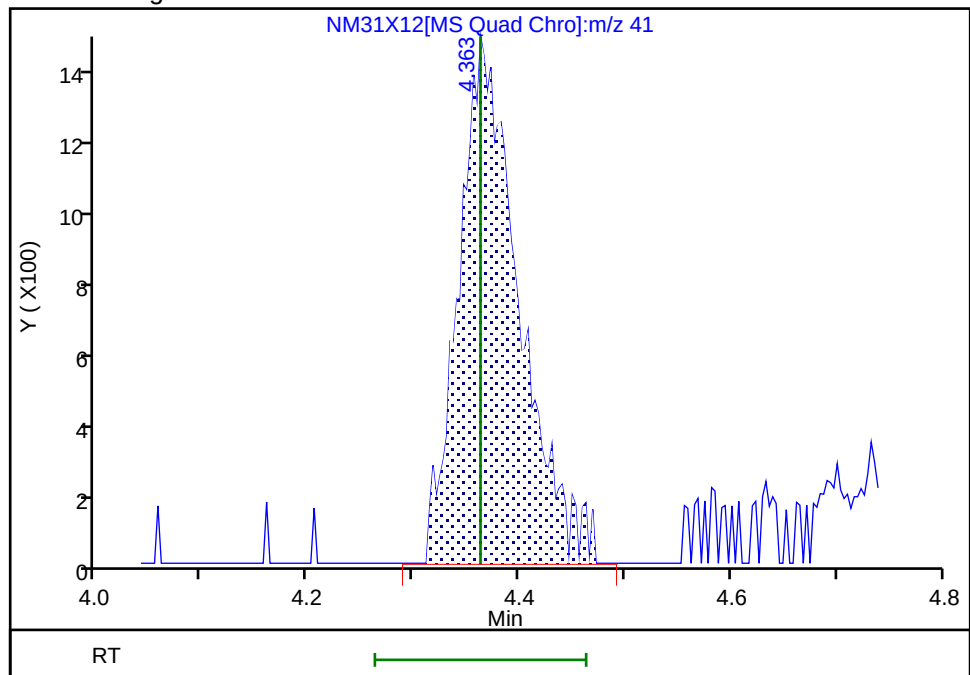
RT: 4.36
Area: 2143
Amount: 0.971210
Amount Units: ug/l

Processing Integration Results



RT: 4.36
Area: 5864
Amount: 0.963338
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:39:51 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

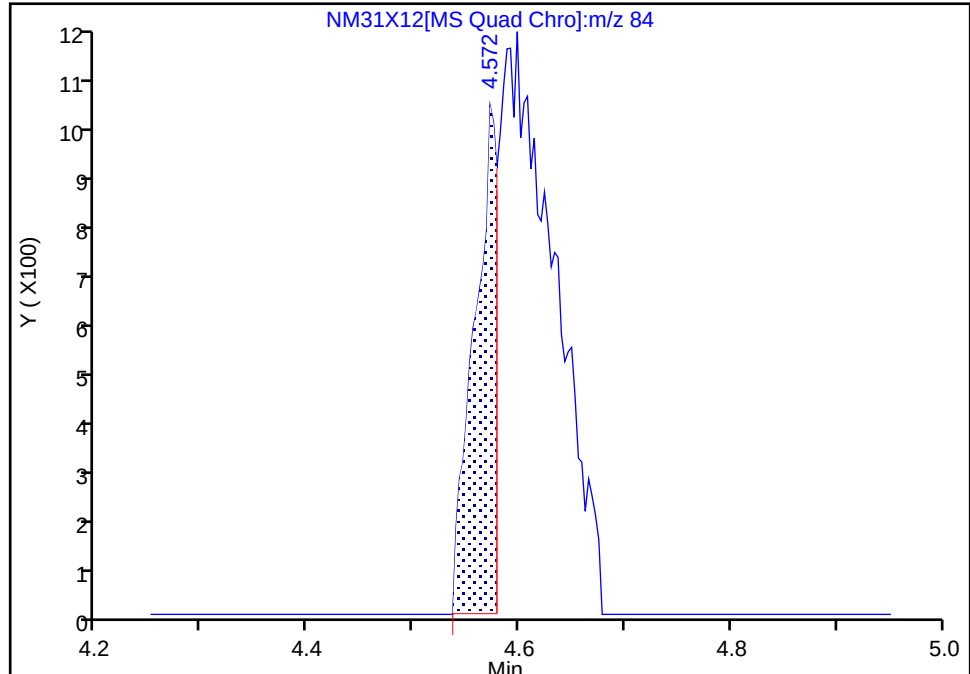
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

28 Methylene Chloride, CAS: 75-09-2

Signal: 1

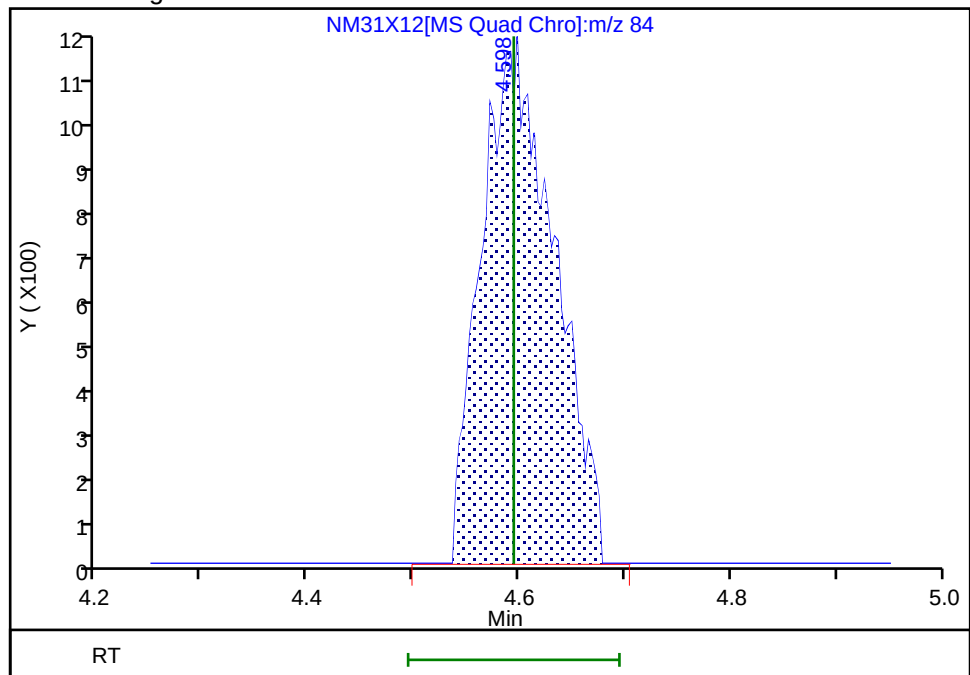
RT: 4.57
Area: 1556
Amount: 0.960574
Amount Units: ug/l

Processing Integration Results



RT: 4.60
Area: 5699
Amount: 0.996476
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:39:57 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

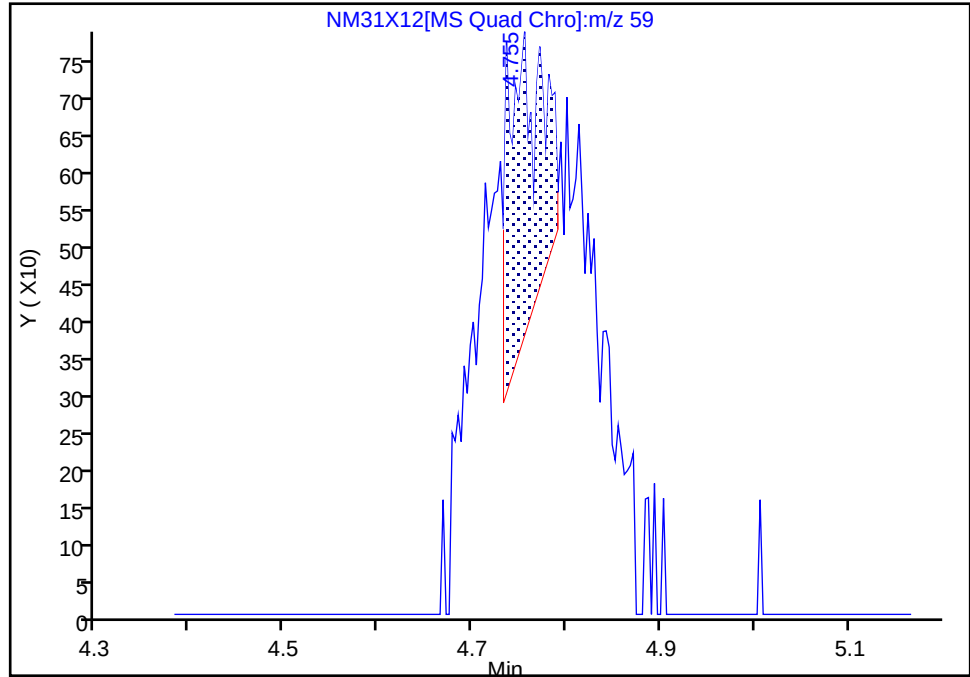
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

30 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

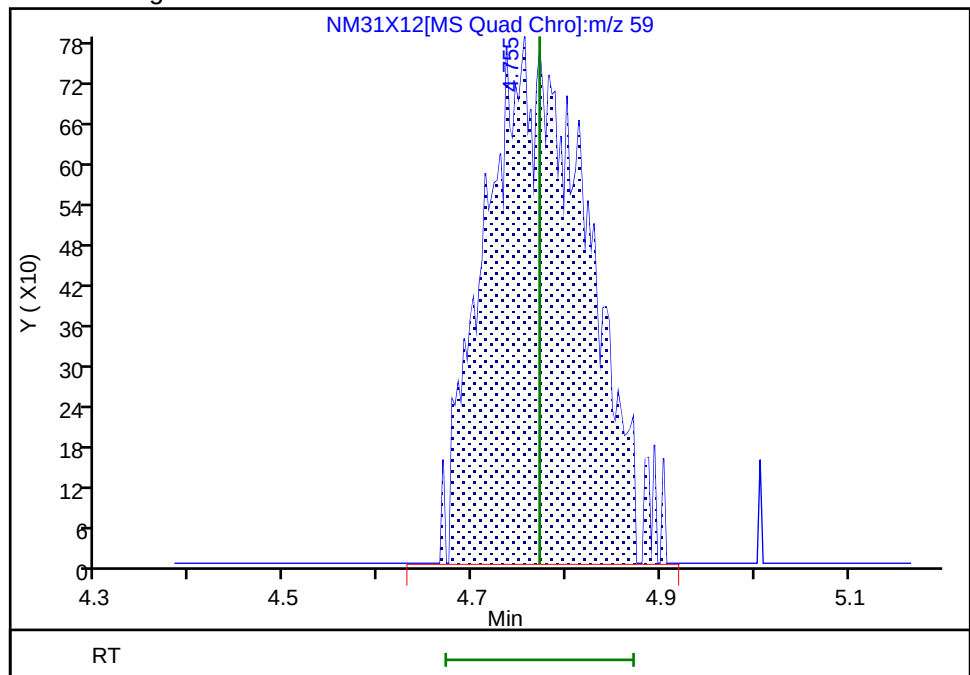
RT: 4.76
Area: 1001
Amount: 1.034354
Amount Units: ug/l

Processing Integration Results



RT: 4.76
Area: 5933
Amount: 5.249895
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:40:04 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

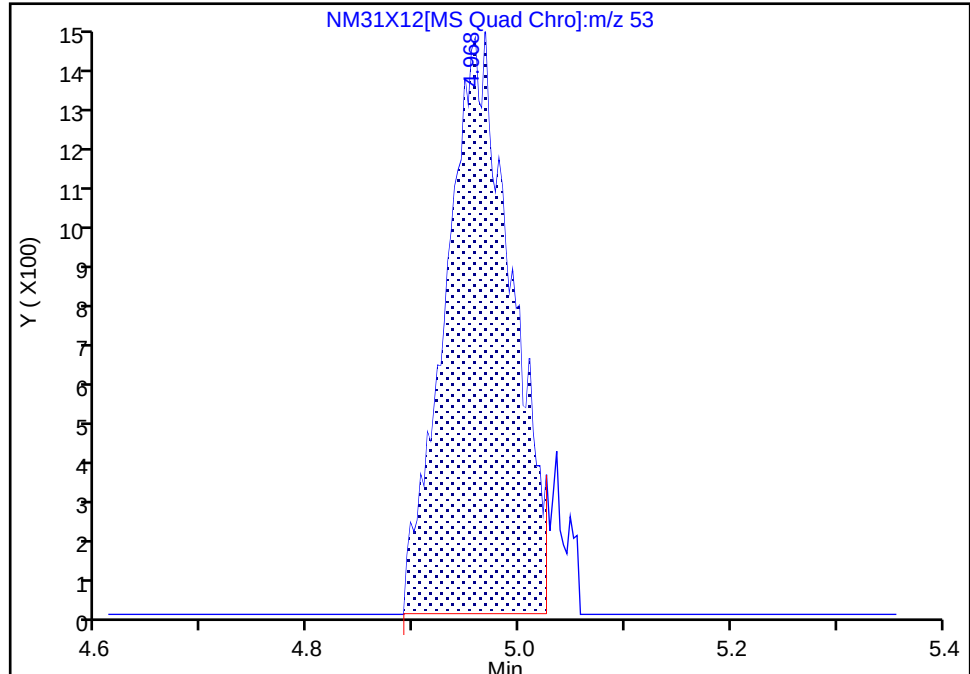
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

32 Acrylonitrile, CAS: 107-13-1

Signal: 1

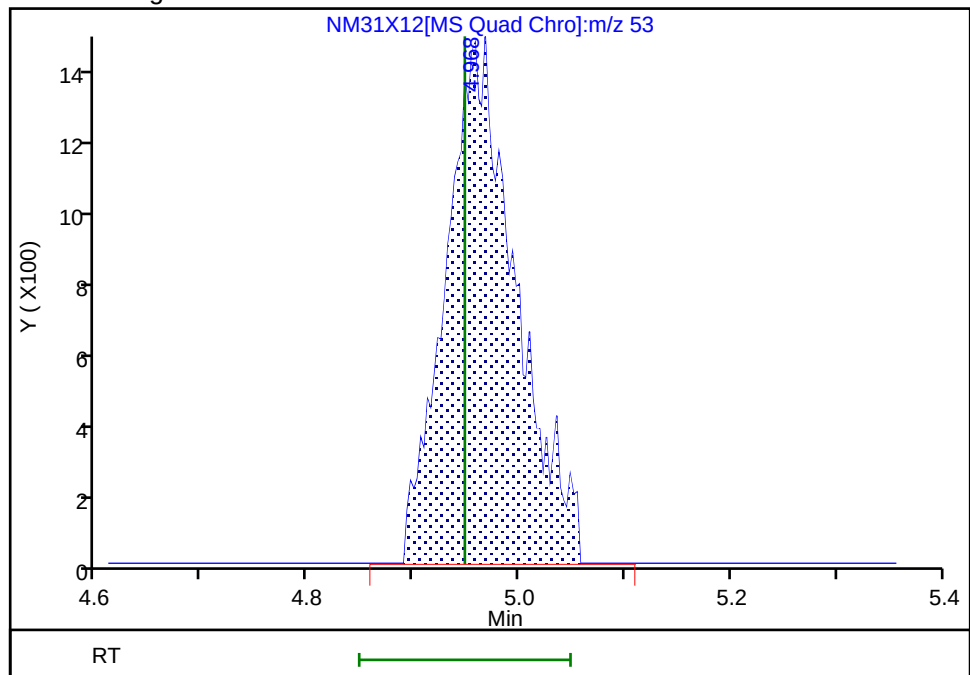
RT: 4.97
Area: 6414
Amount: 2.402181
Amount Units: ug/l

Processing Integration Results



RT: 4.97
Area: 6824
Amount: 2.533505
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:40:09 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

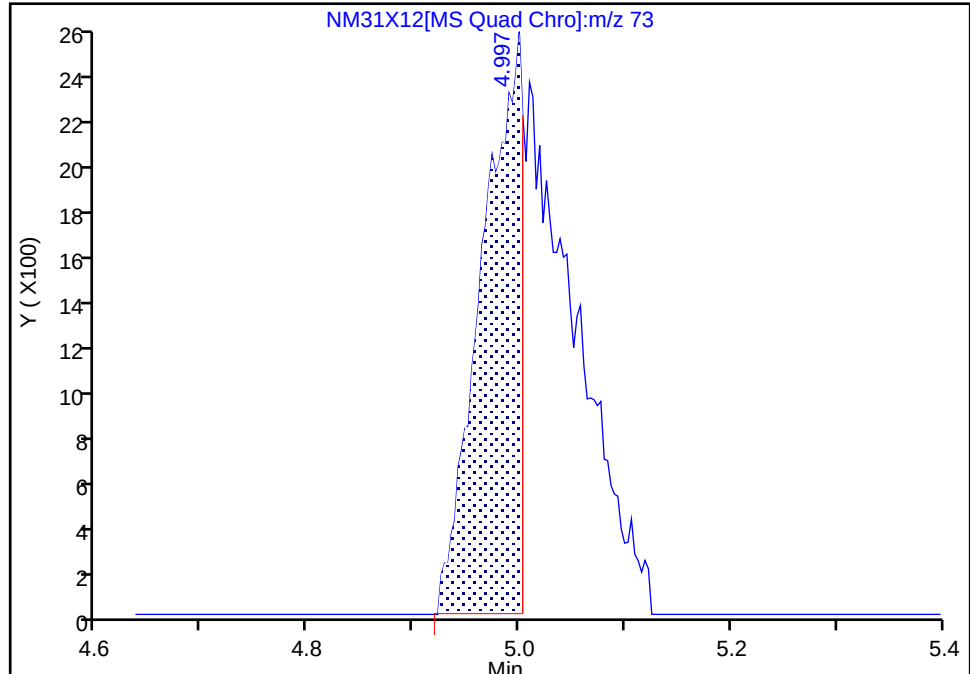
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

33 Methyl tert-butyl ether, CAS: 1634-04-4

Signal: 1

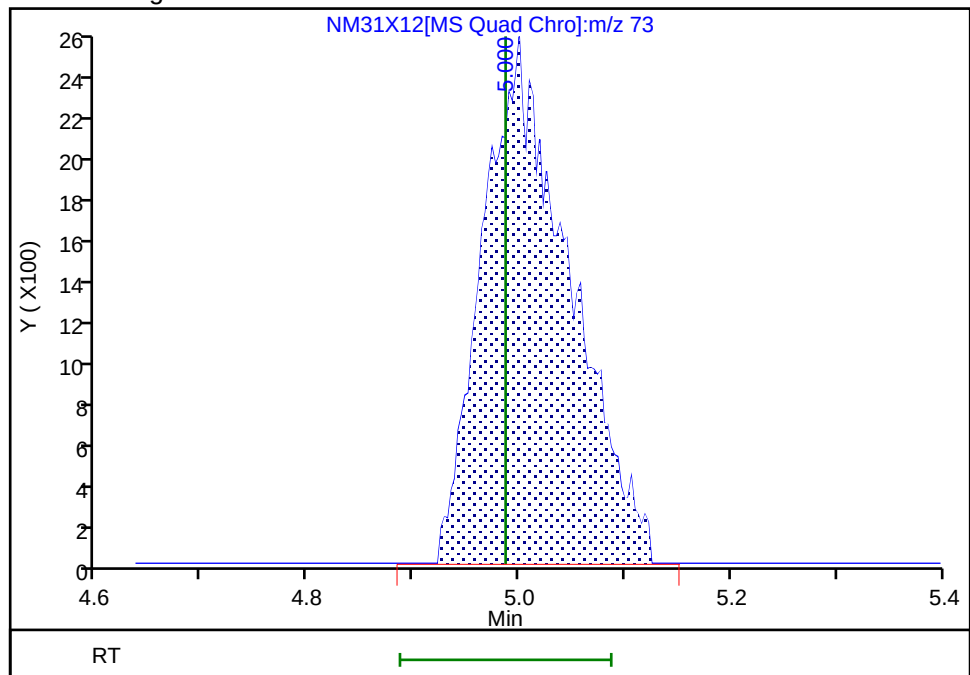
RT: 5.00
Area: 6650
Amount: 0.984647
Amount Units: ug/l

Processing Integration Results



RT: 5.00
Area: 14319
Amount: 1.002287
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:40:18 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

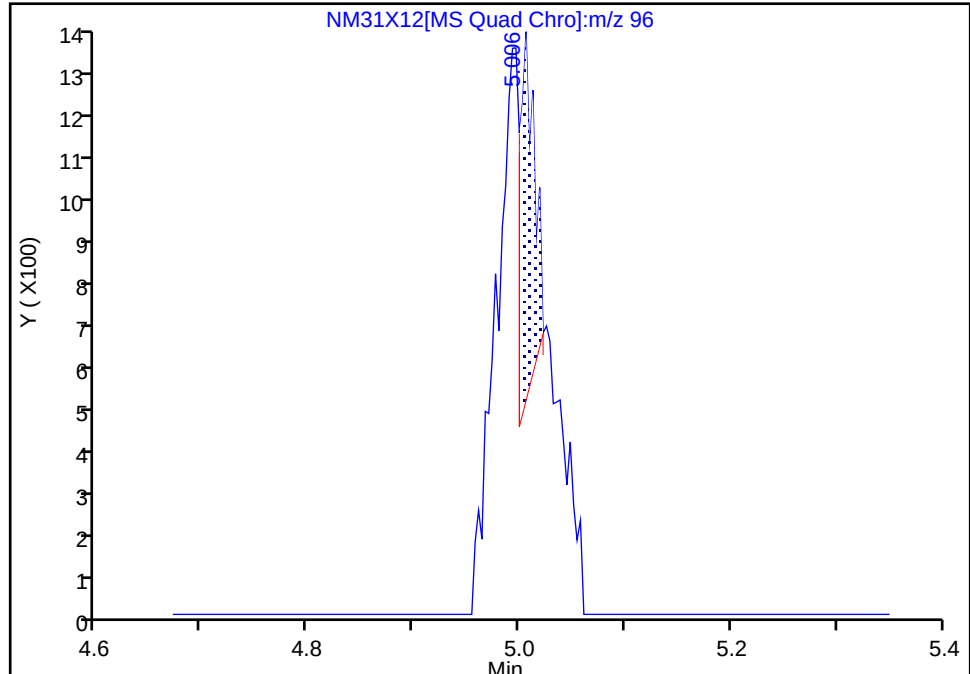
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

34 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

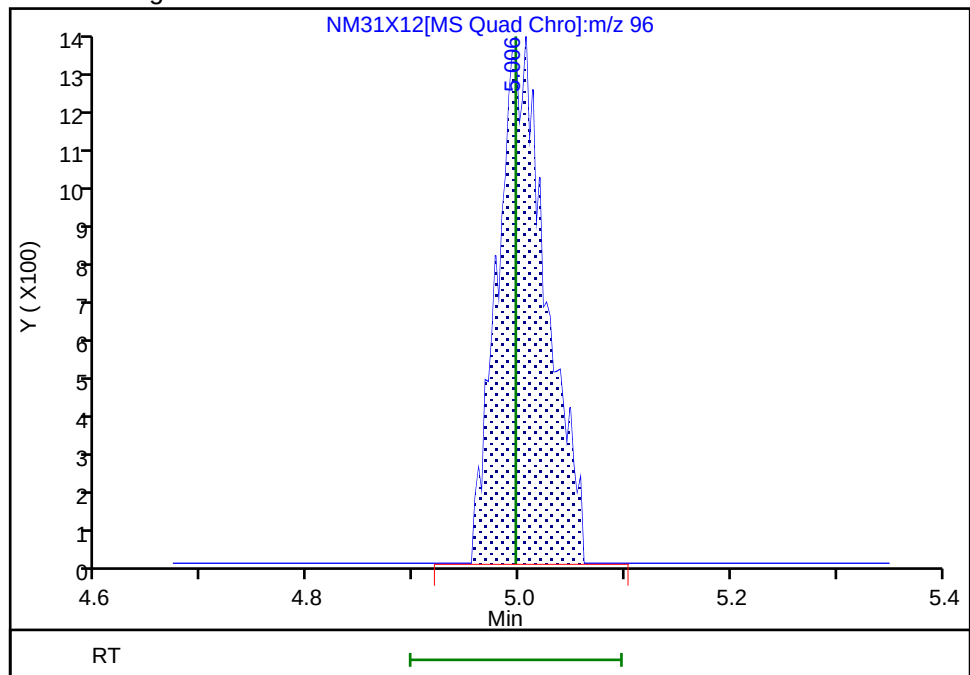
RT: 5.01
Area: 799
Amount: 0.956193
Amount Units: ug/l

Processing Integration Results



RT: 5.01
Area: 4355
Amount: 0.922581
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:40:13 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

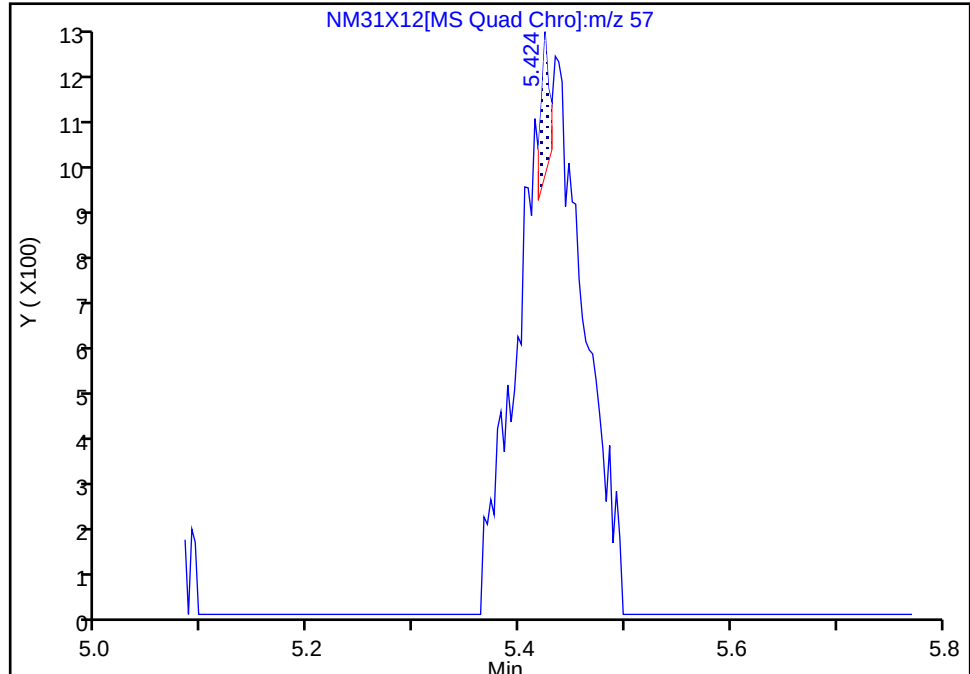
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

36 Hexane, CAS: 110-54-3

Signal: 1

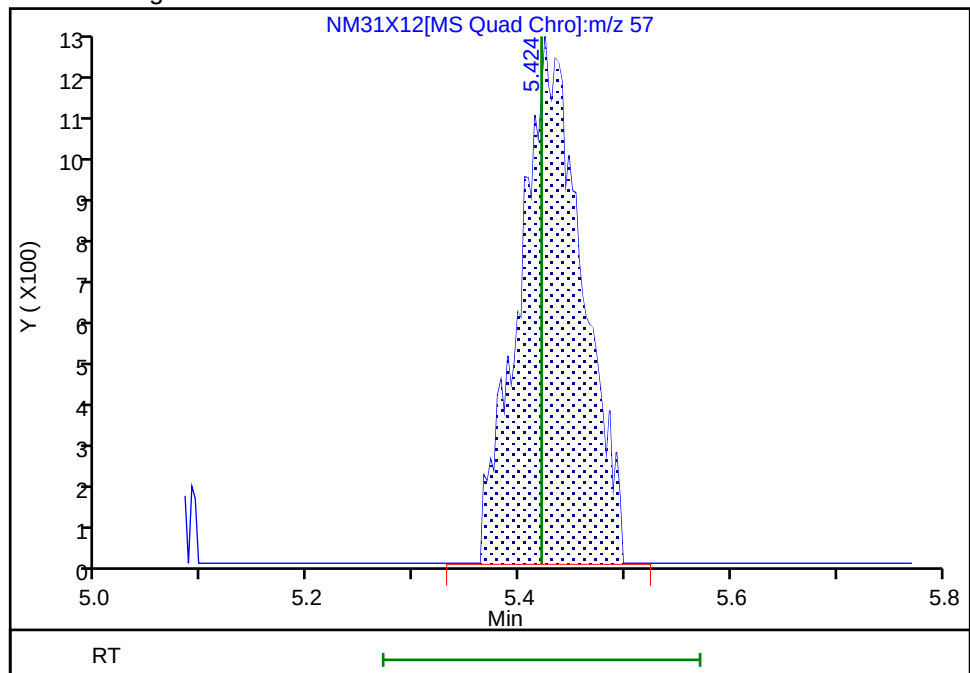
RT: 5.42
Area: 172
Amount: 0.961616
Amount Units: ug/l

Processing Integration Results



RT: 5.42
Area: 5256
Amount: 0.843494
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:40:22 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

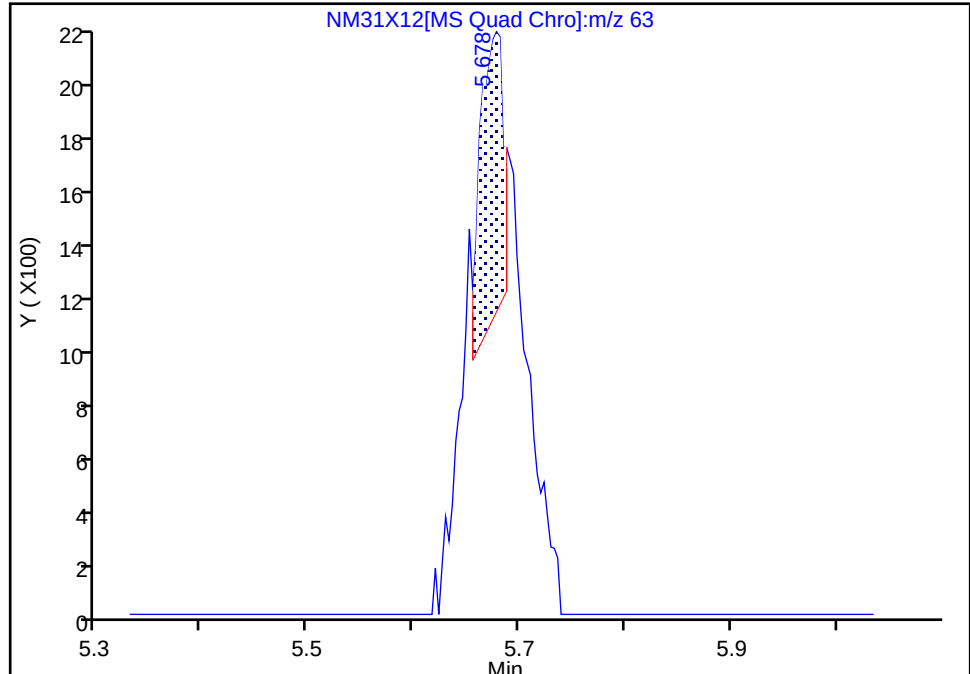
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

37 1,1-Dichloroethane, CAS: 75-34-3

Signal: 1

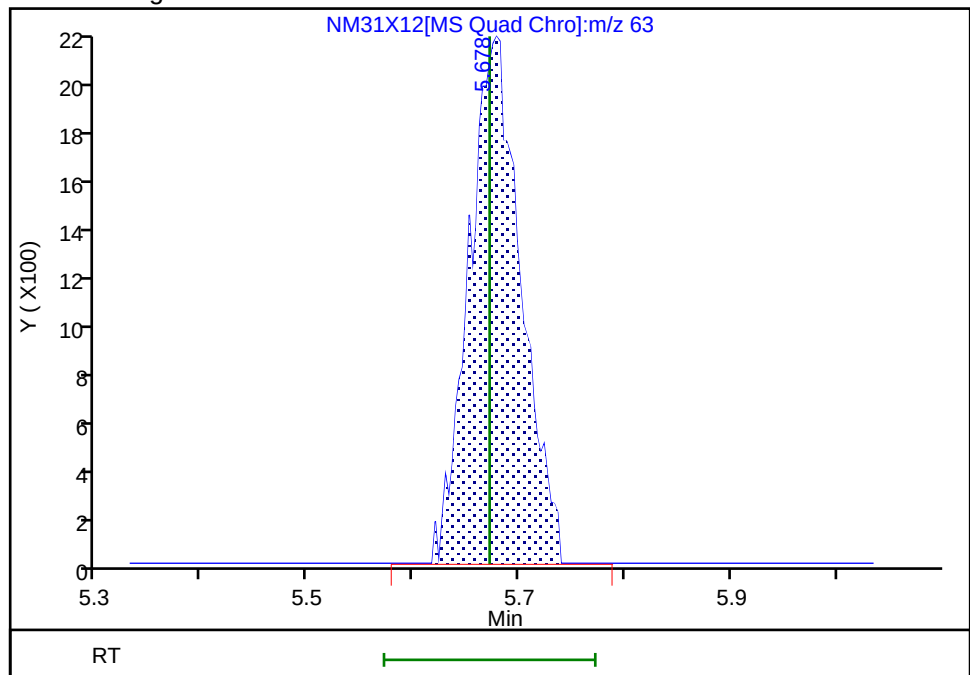
RT: 5.68
Area: 1600
Amount: 0.964724
Amount Units: ug/l

Processing Integration Results



RT: 5.68
Area: 7210
Amount: 0.934930
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:40:26 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

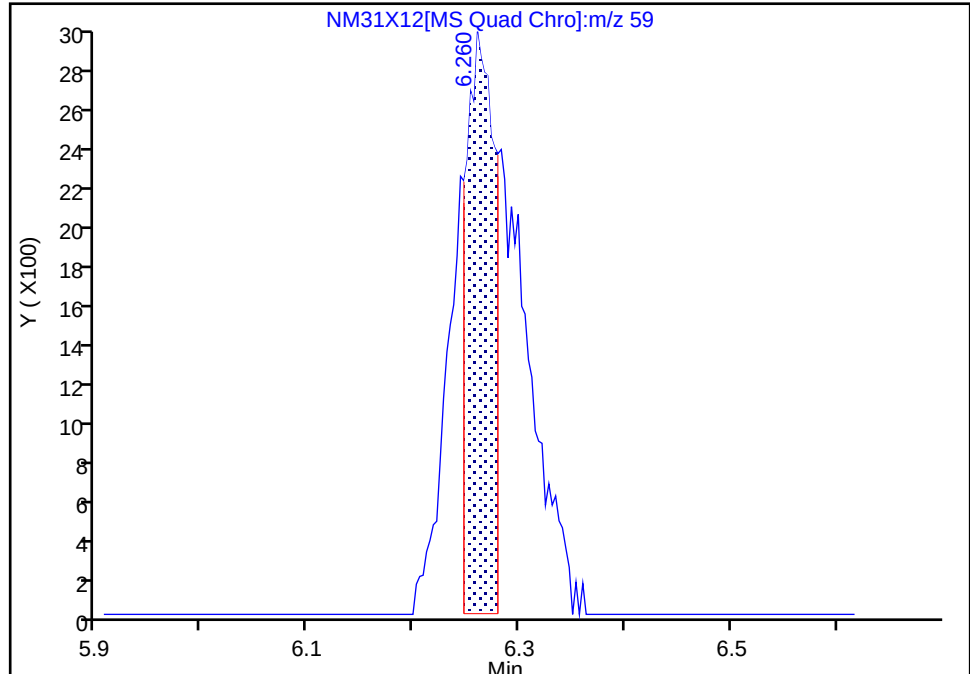
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

41 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

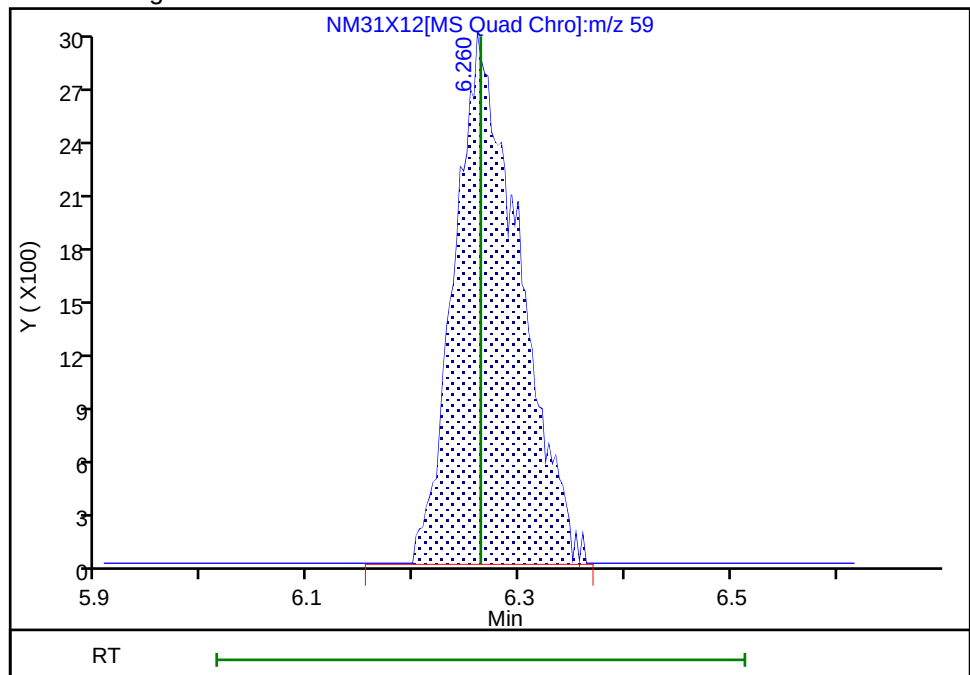
RT: 6.26
Area: 5388
Amount: 0.992656
Amount Units: ug/l

Processing Integration Results



RT: 6.26
Area: 12518
Amount: 0.920949
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:40:41 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

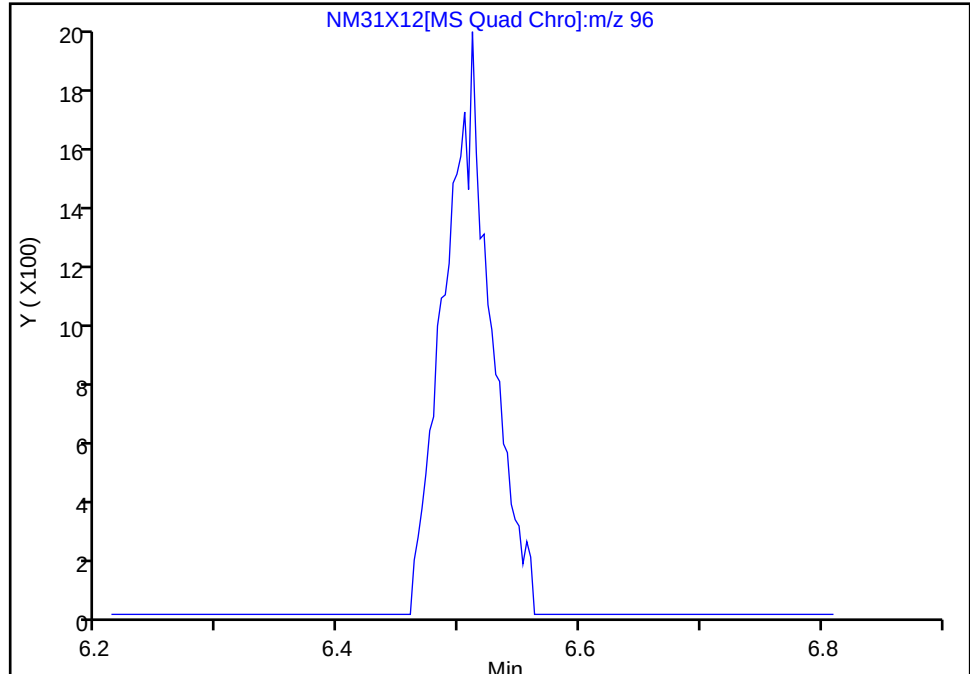
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

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

Signal: 1

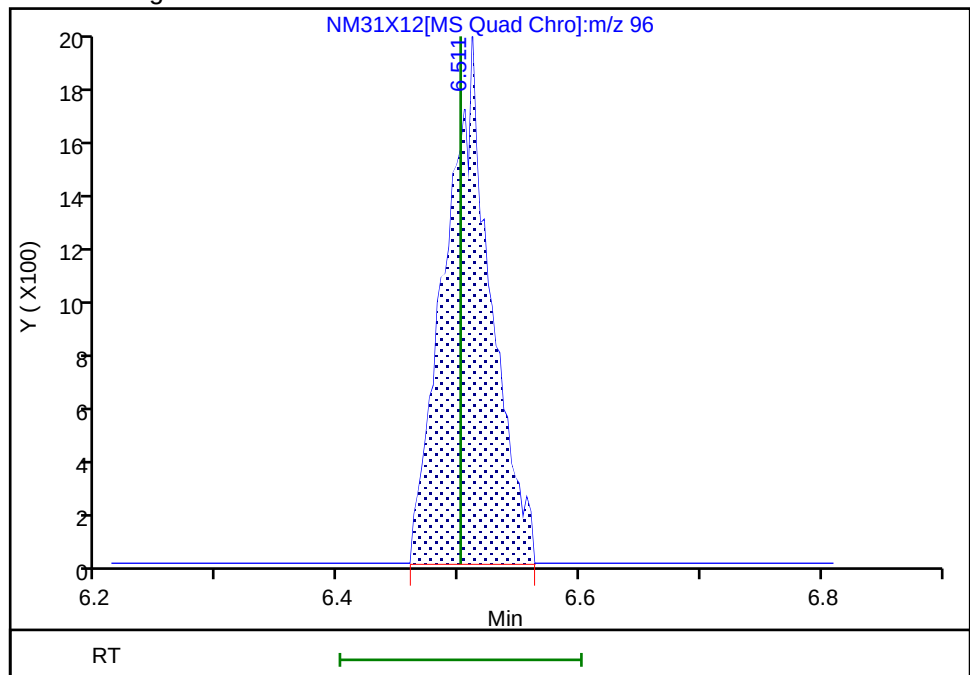
Not Detected
Expected RT: 6.50

Processing Integration Results



RT: 6.51
Area: 5091
Amount: 0.930269
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:40:46 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

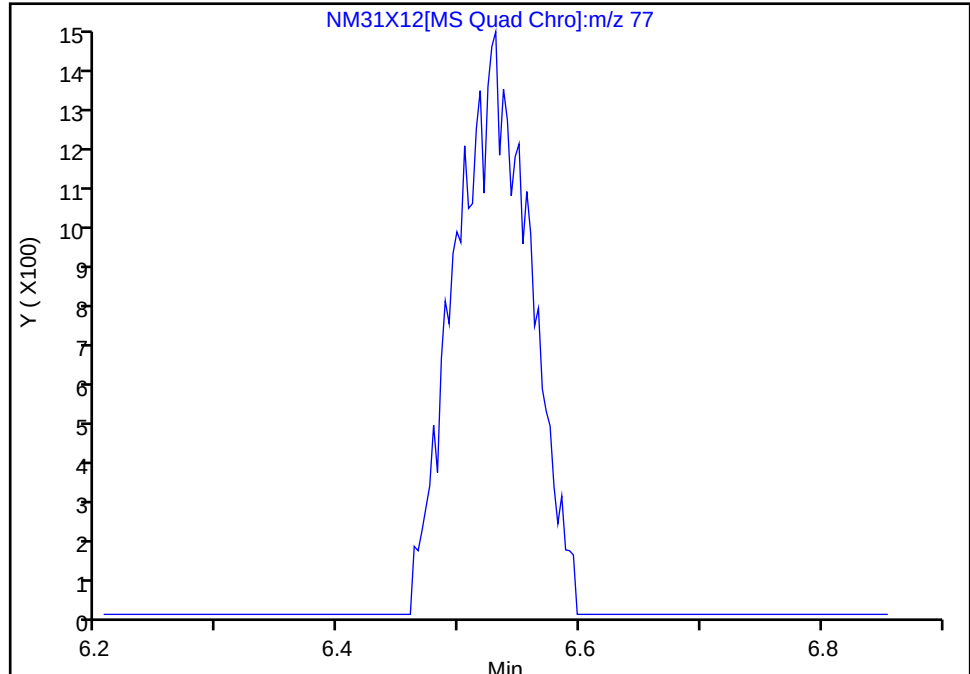
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\nm31x12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

45 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

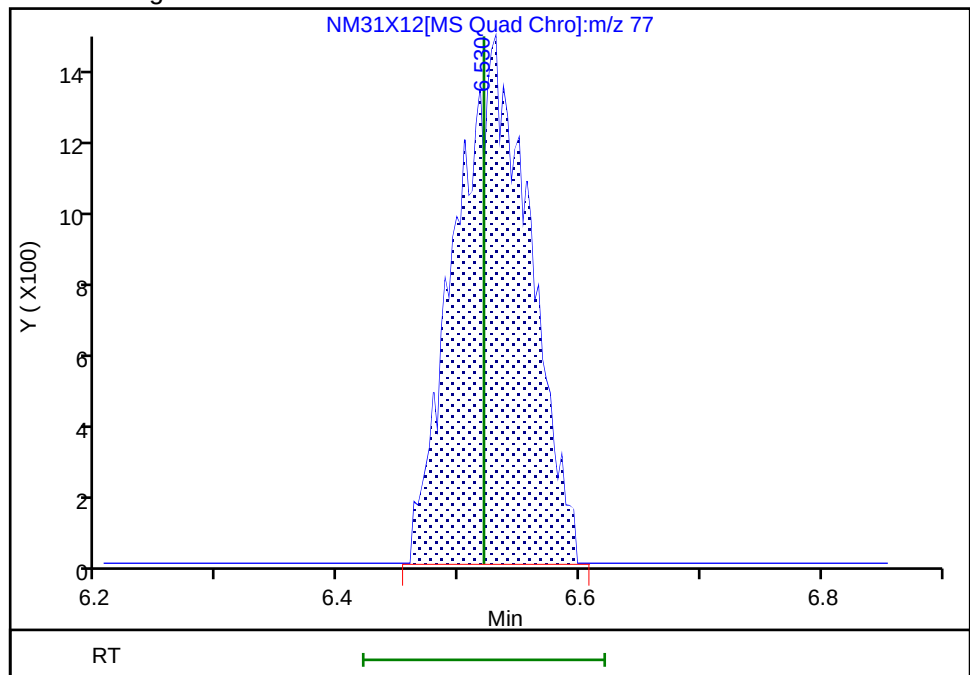
Not Detected
Expected RT: 6.52

Processing Integration Results



RT: 6.53
Area: 6362
Amount: 0.895563
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:40:49 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

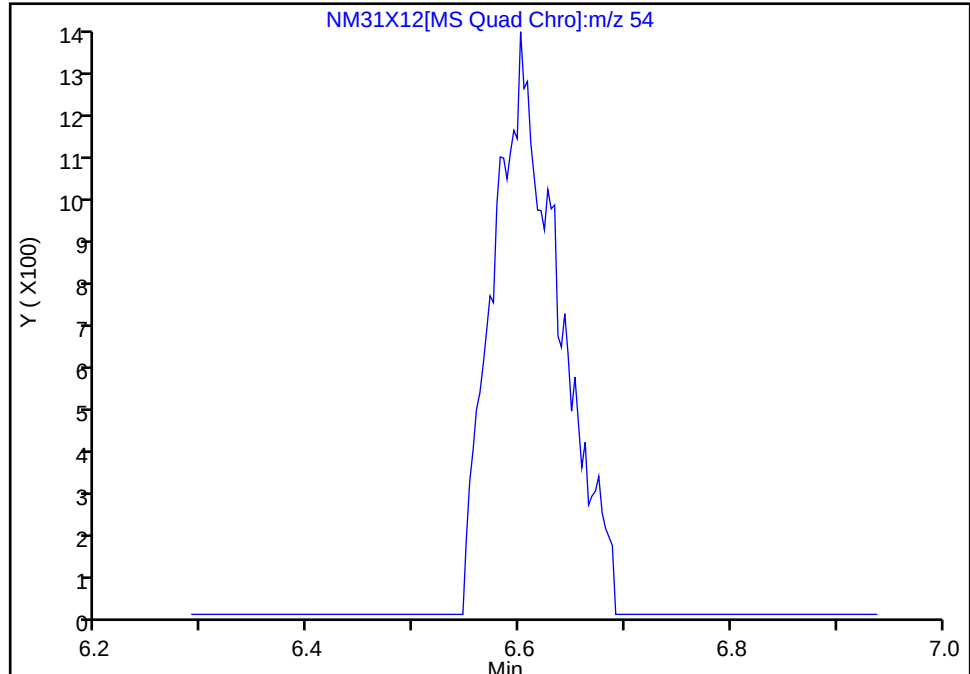
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

46 Propionitrile, CAS: 107-12-0

Signal: 1

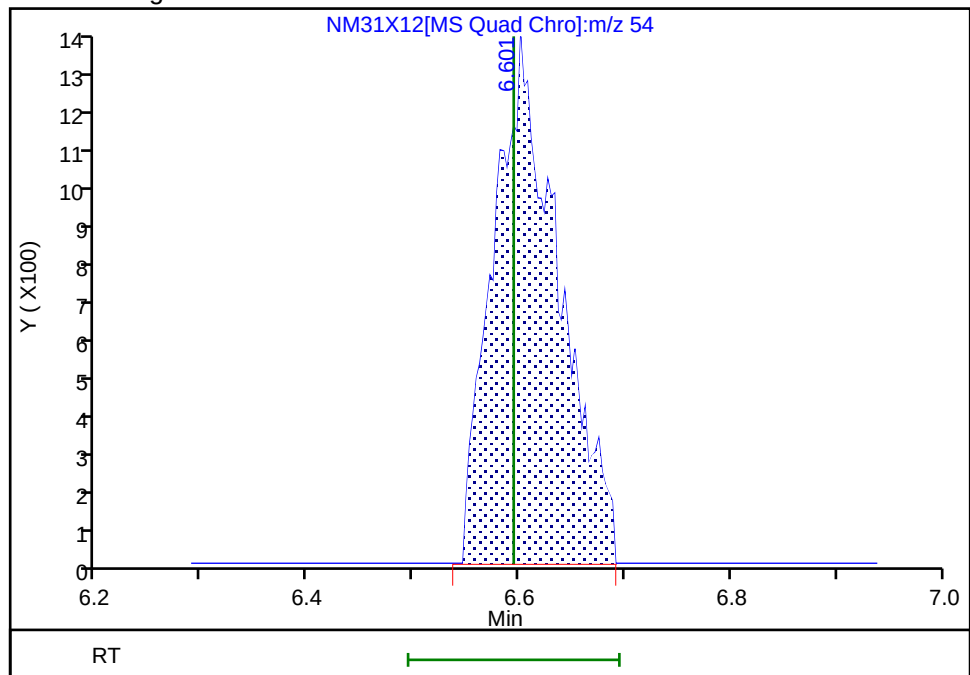
Not Detected
Expected RT: 6.59

Processing Integration Results



RT: 6.60
Area: 5890
Amount: 4.951634
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:40:51 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

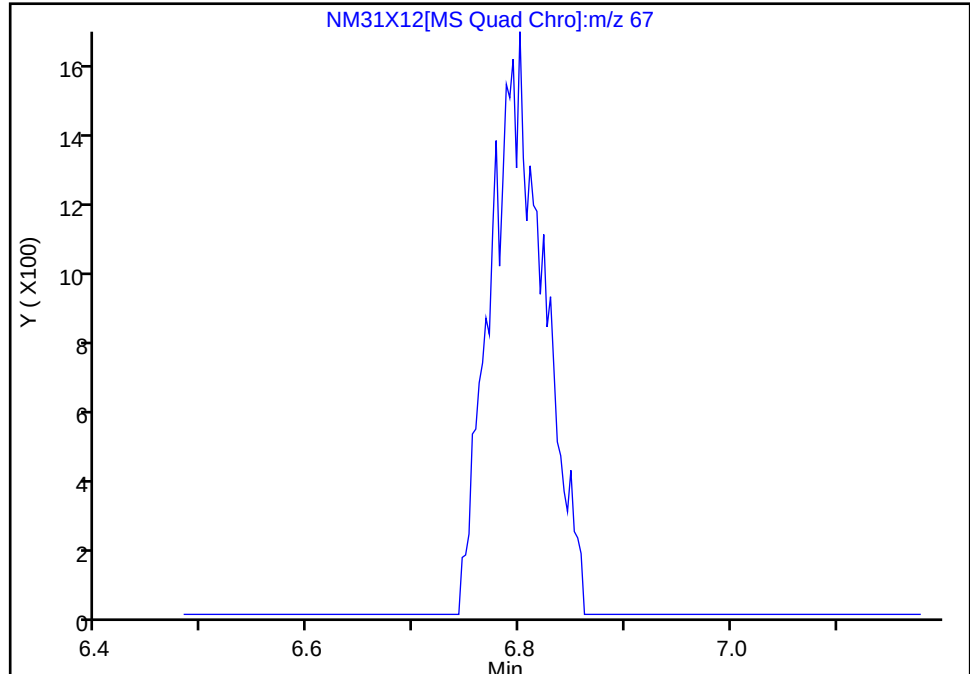
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

47 Methacrylonitrile, CAS: 126-98-7

Signal: 1

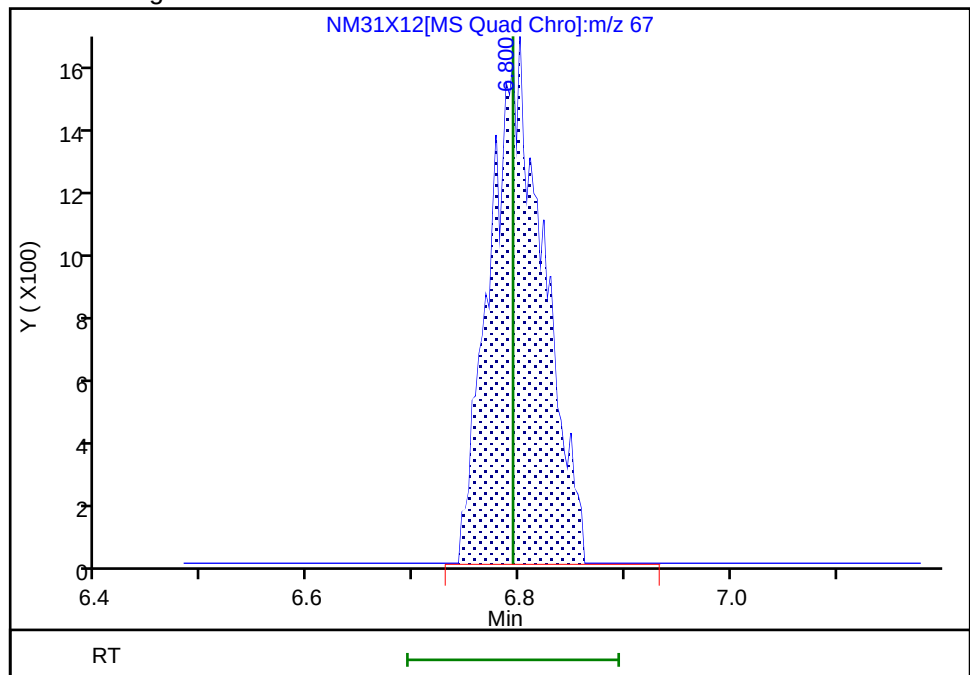
Not Detected
Expected RT: 6.79

Processing Integration Results



RT: 6.80
Area: 5683
Amount: 2.254310
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:41:12 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

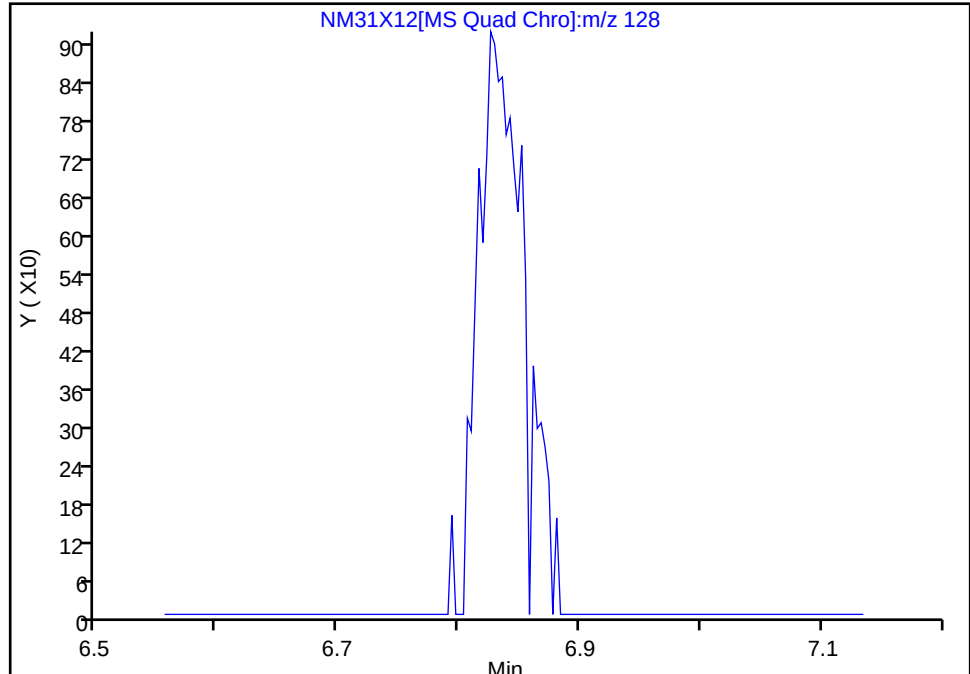
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

48 Chlorobromomethane, CAS: 74-97-5

Signal: 1

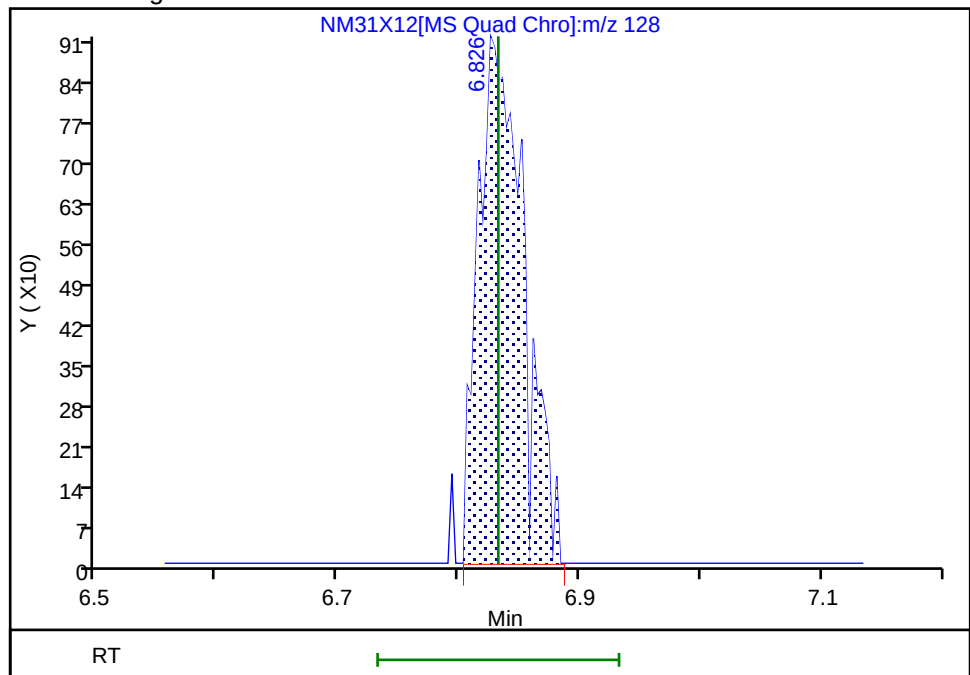
Not Detected
Expected RT: 6.83

Processing Integration Results



RT: 6.83
Area: 2370
Amount: 0.867184
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:40:58 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

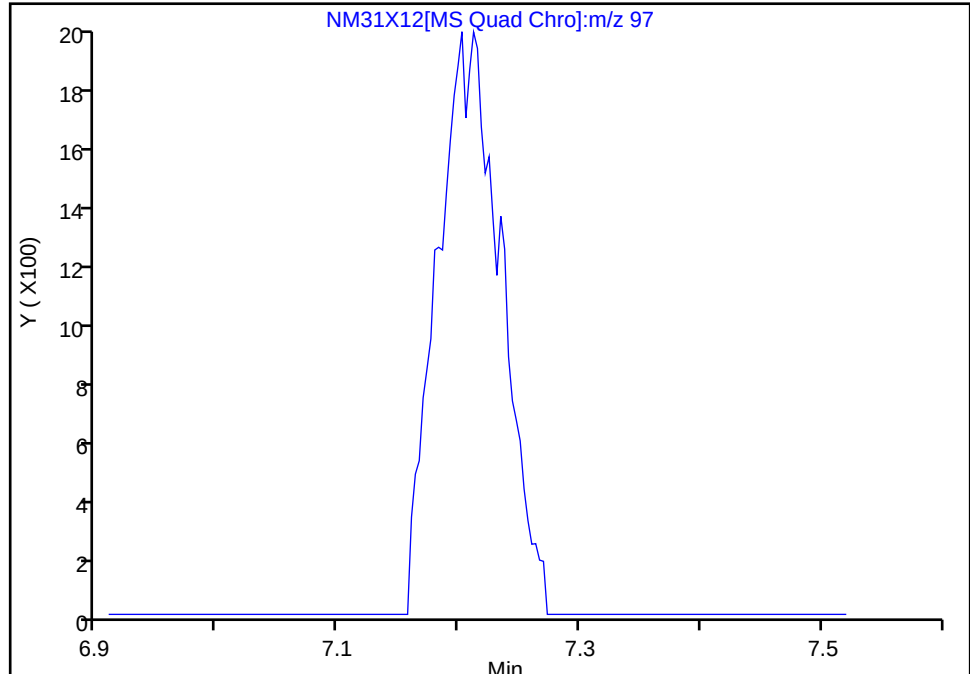
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

52 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

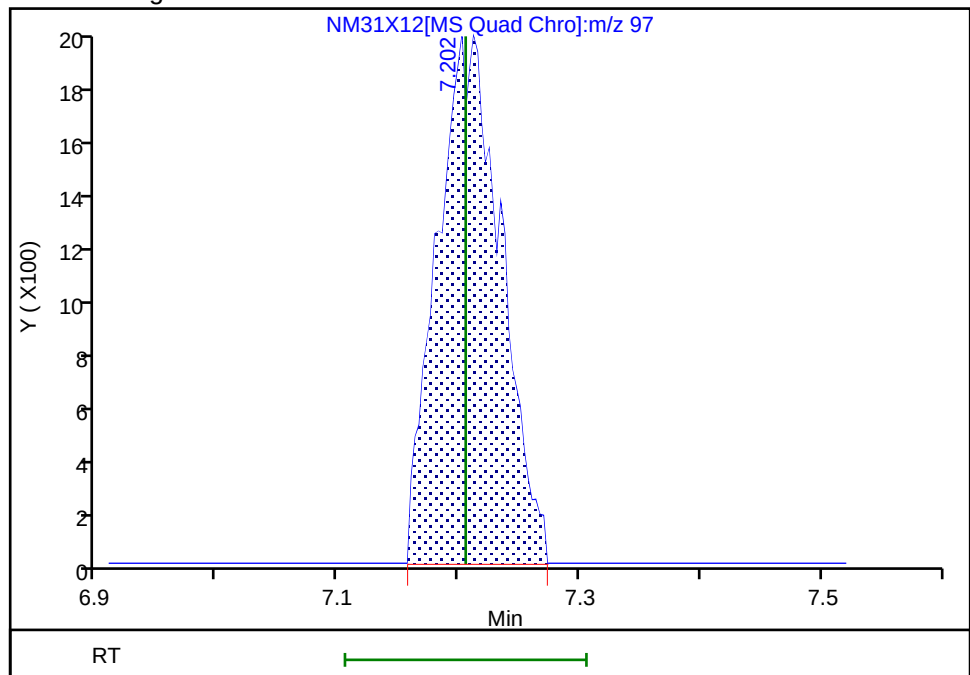
Not Detected
Expected RT: 7.21

Processing Integration Results



RT: 7.20
Area: 7055
Amount: 0.893046
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:41:17 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

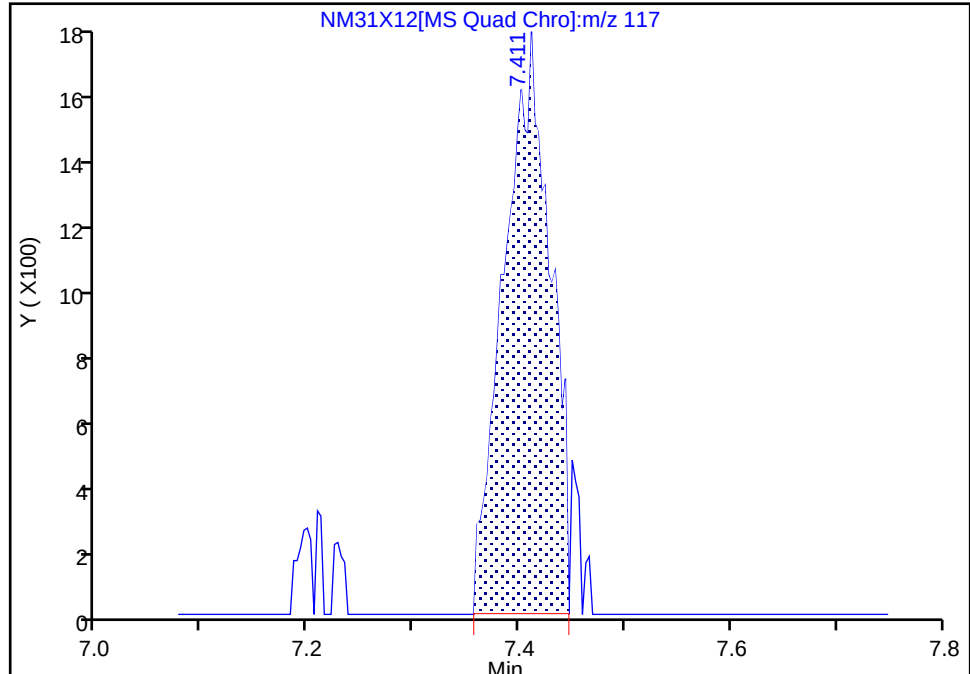
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\nm31x12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

56 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

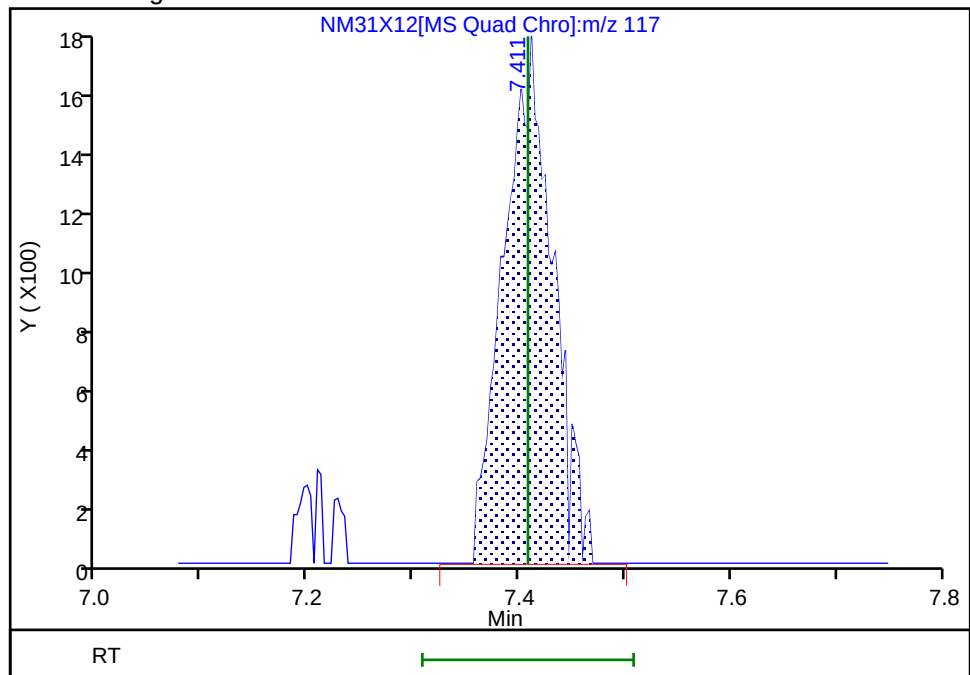
RT: 7.41
Area: 5145
Amount: 0.786257
Amount Units: ug/l

Processing Integration Results



RT: 7.41
Area: 5434
Amount: 0.825215
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:41:28 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

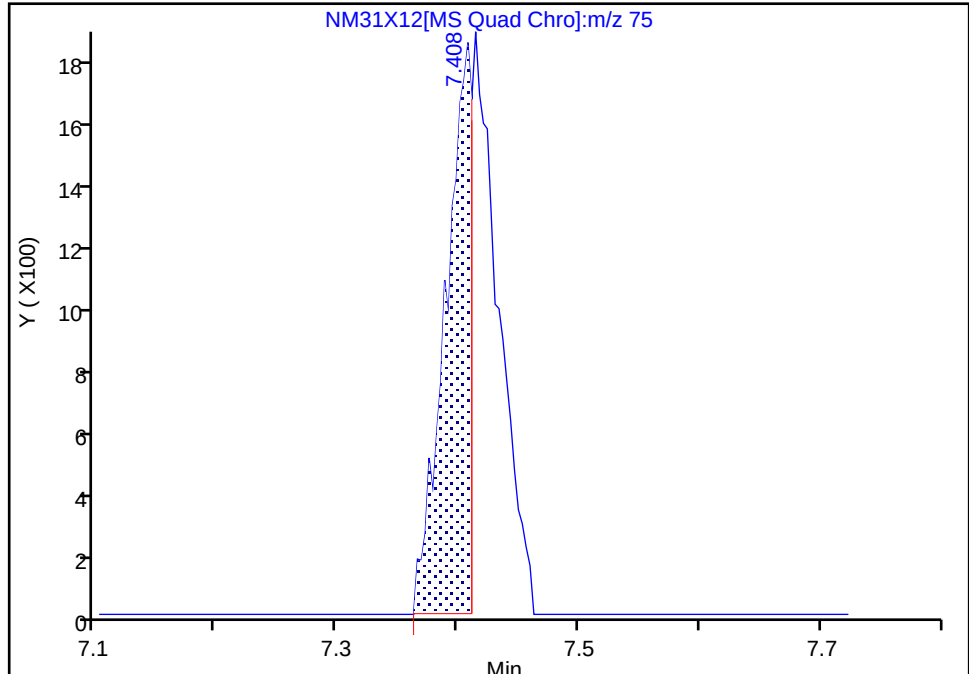
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

55 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

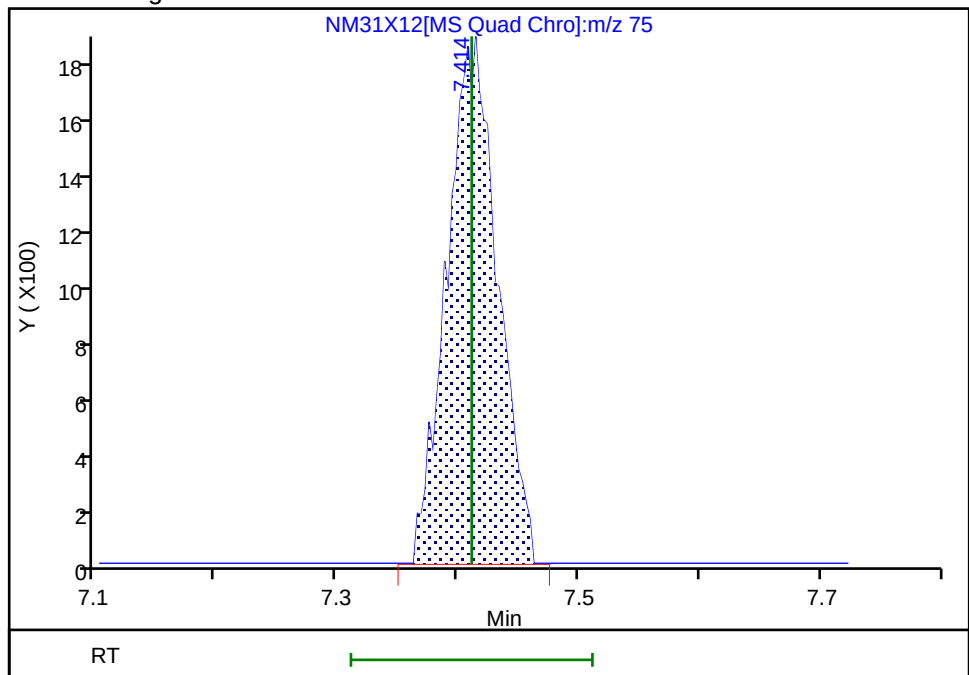
RT: 7.41
Area: 2795
Amount: 0.981703
Amount Units: ug/l

Processing Integration Results



RT: 7.41
Area: 5438
Amount: 0.866275
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:41:32 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

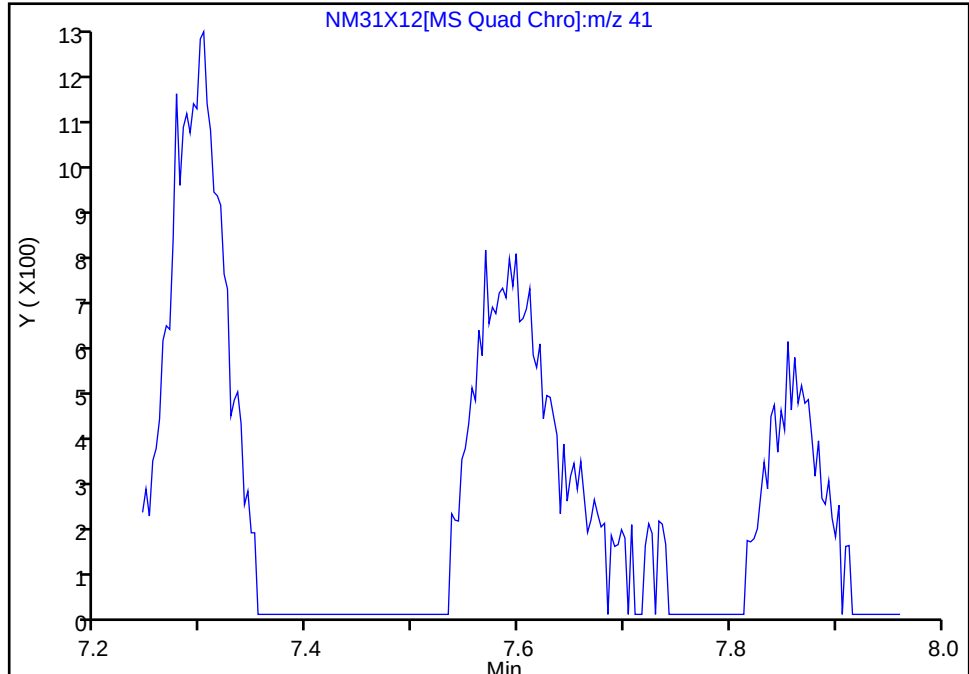
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

57 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

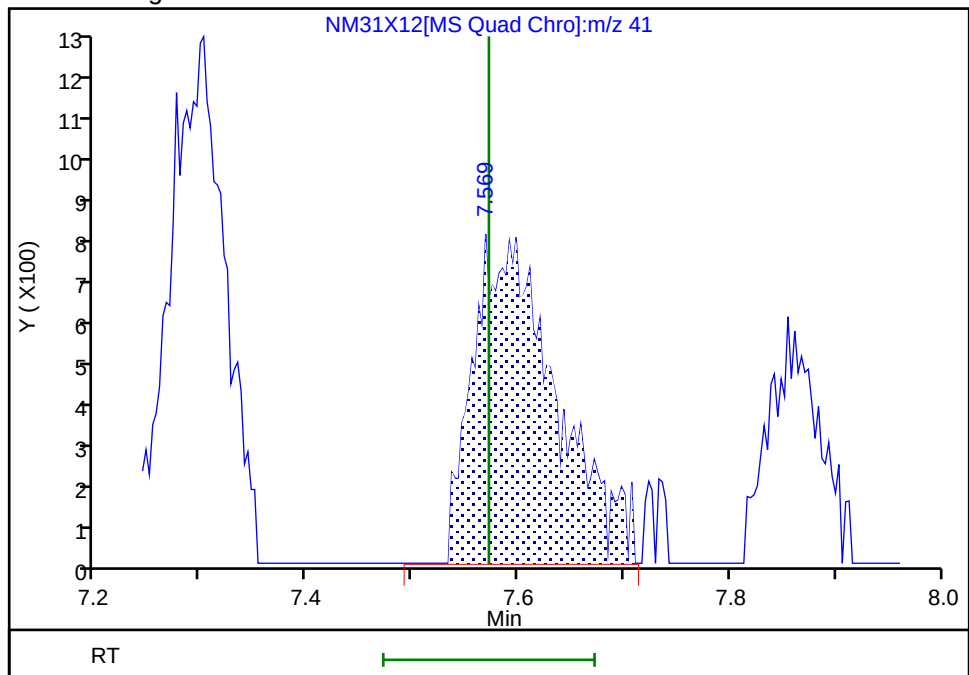
Not Detected
Expected RT: 7.57

Processing Integration Results



Manual Integration Results

RT: 7.57
Area: 4328
Amount: 12.983255
Amount Units: ug/l



Reviewer: UKAD, 31-Mar-2025 18:41:43 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

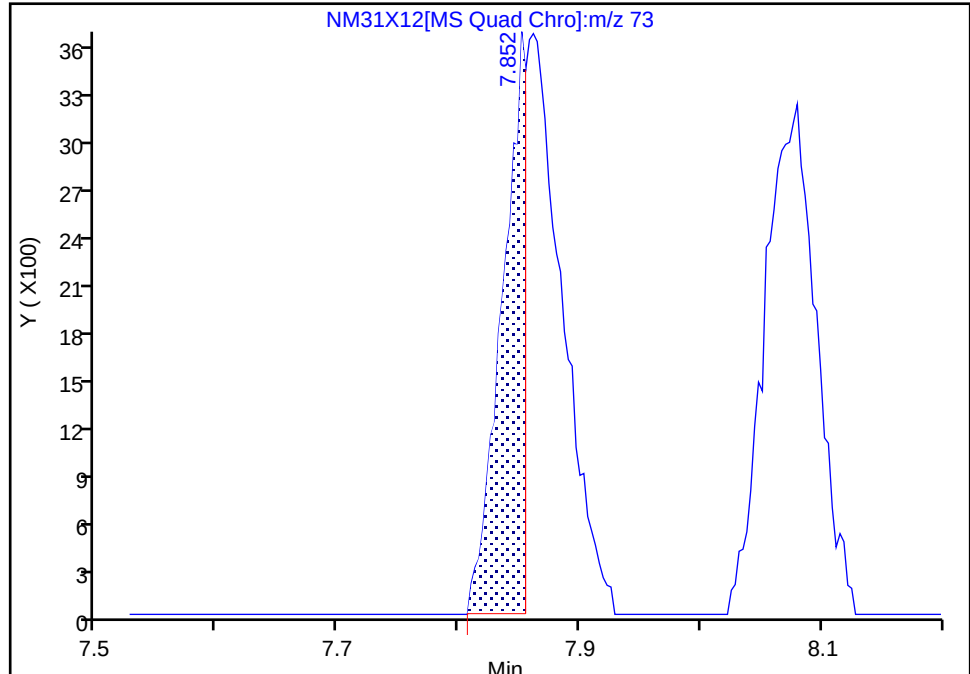
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

62 Tert-amyl methyl ether, CAS: 994-05-8

Signal: 1

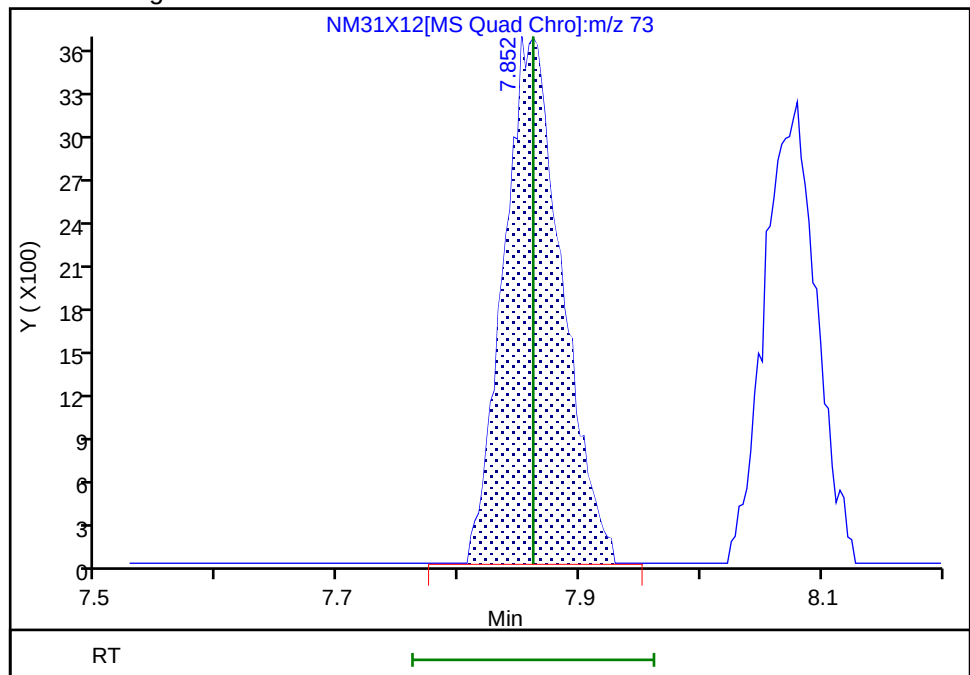
RT: 7.85
Area: 5034
Amount: 0.999539
Amount Units: ug/l

Processing Integration Results



RT: 7.85
Area: 12207
Amount: 0.917927
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:41:49 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

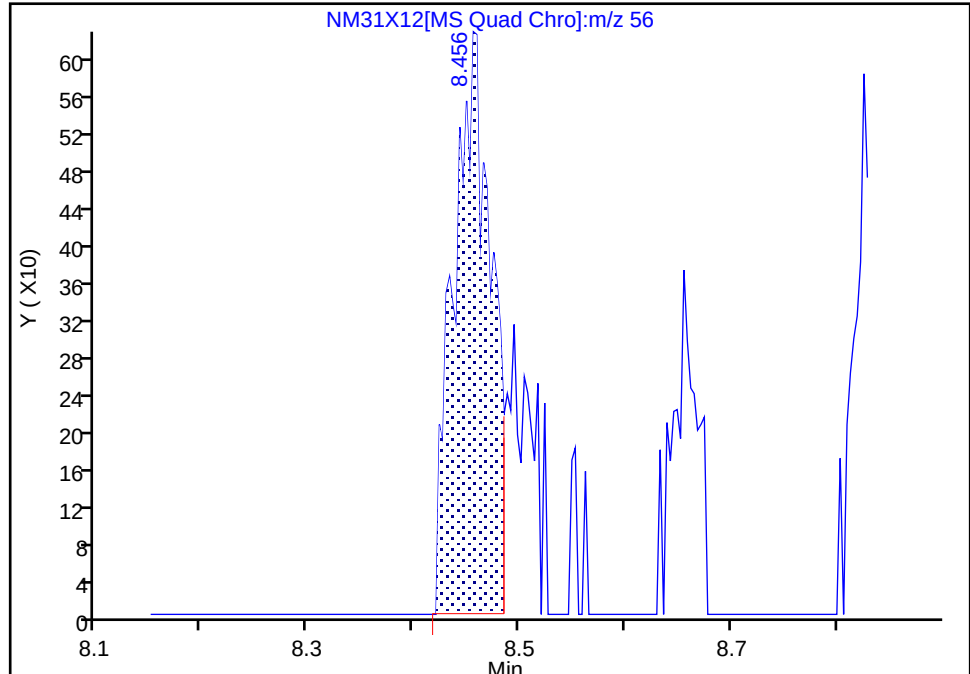
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

66 n-Butanol, CAS: 71-36-3

Signal: 1

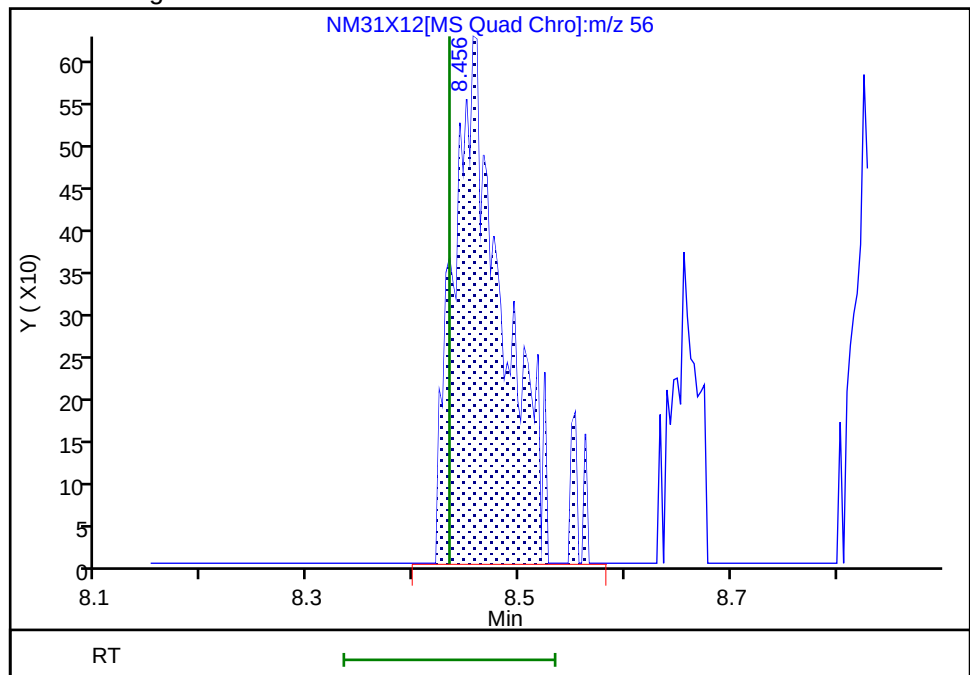
RT: 8.46
Area: 1518
Amount: 43.457872
Amount Units: ug/l

Processing Integration Results



RT: 8.46
Area: 2086
Amount: 7.723006
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:57:58 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

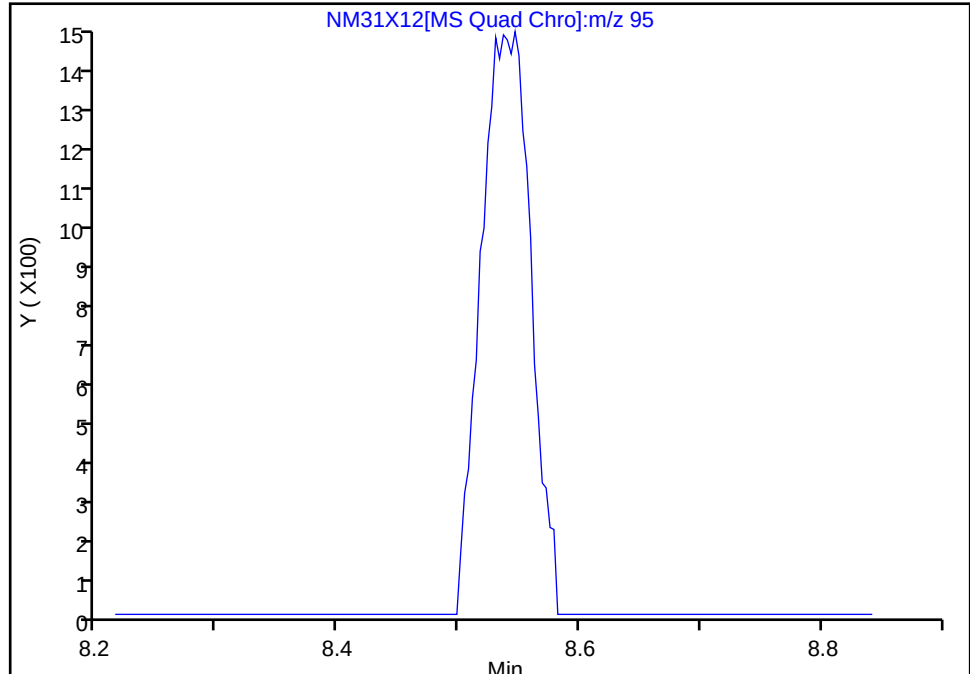
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\nm31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

67 Trichloroethene, CAS: 79-01-6

Signal: 1

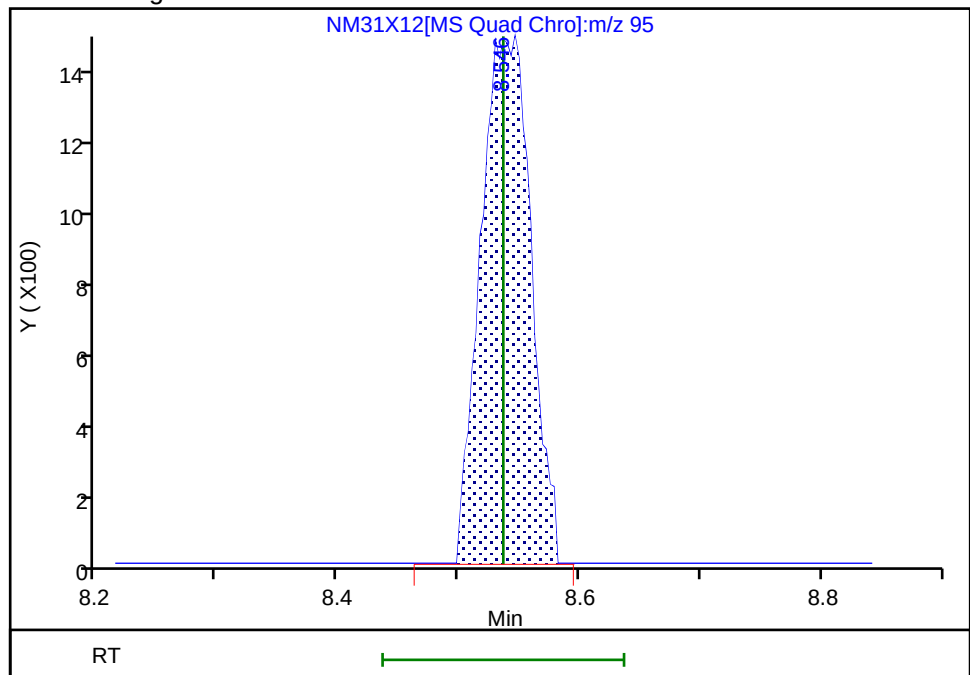
Not Detected
Expected RT: 8.54

Processing Integration Results



RT: 8.55
Area: 4250
Amount: 0.883290
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:41:59 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

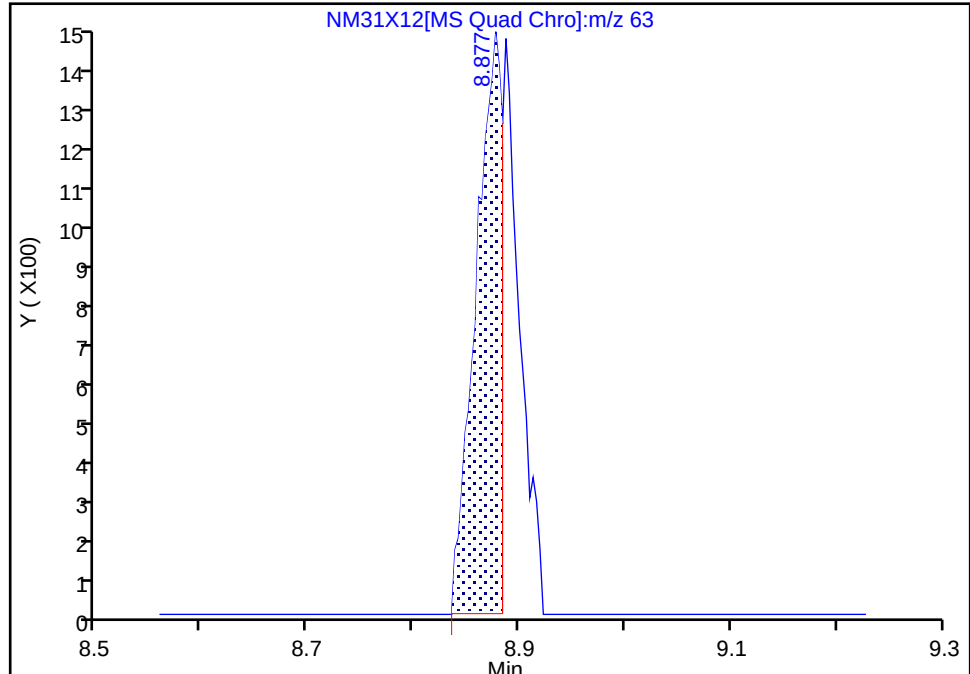
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

69 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

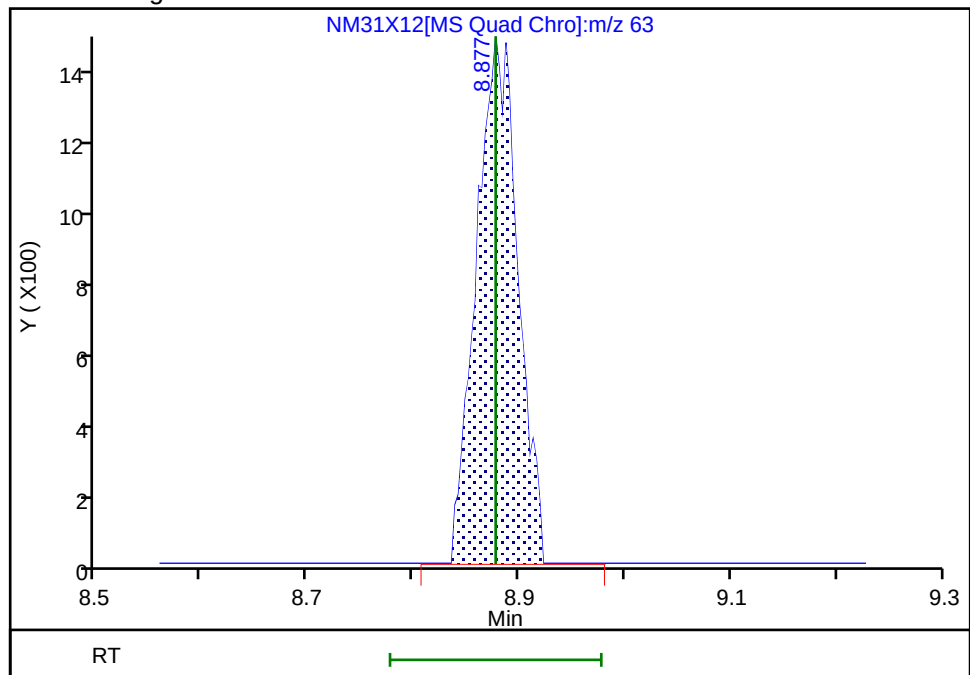
RT: 8.88
Area: 2484
Amount: 0.582729
Amount Units: ug/l

Processing Integration Results



RT: 8.88
Area: 3939
Amount: 0.881098
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:42:12 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

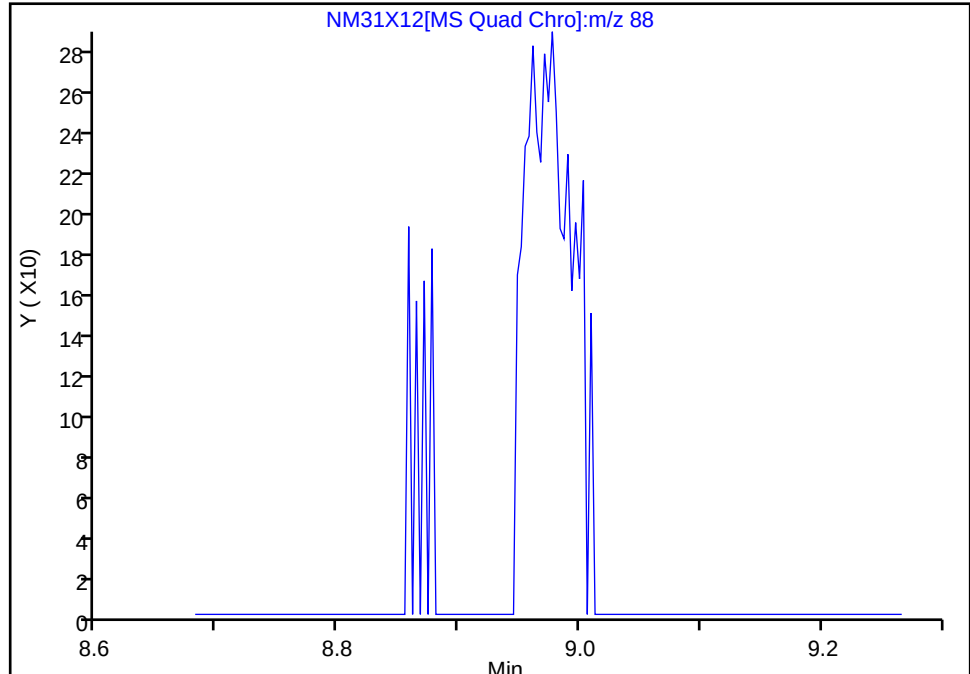
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

72 1,4-Dioxane, CAS: 123-91-1

Signal: 1

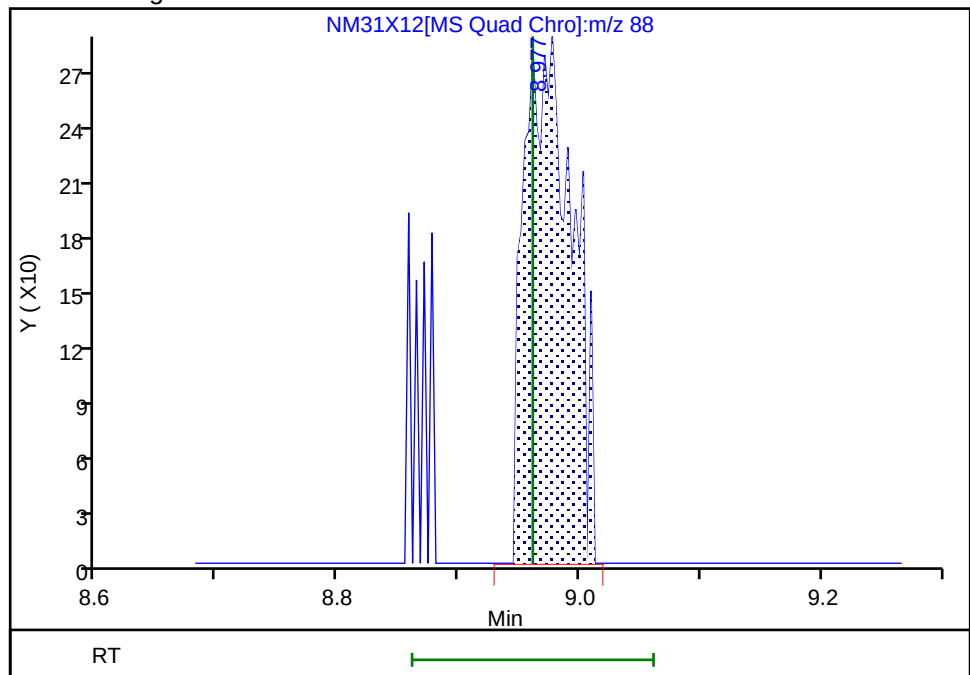
Not Detected
Expected RT: 8.96

Processing Integration Results



RT: 8.98
Area: 799
Amount: 8.642471
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:42:22 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

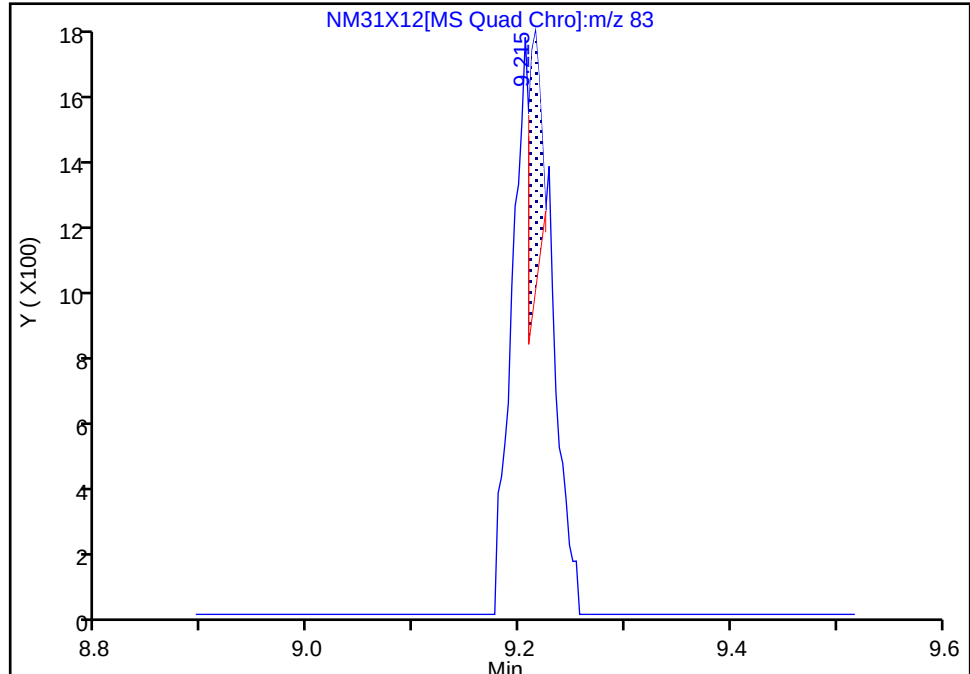
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

75 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

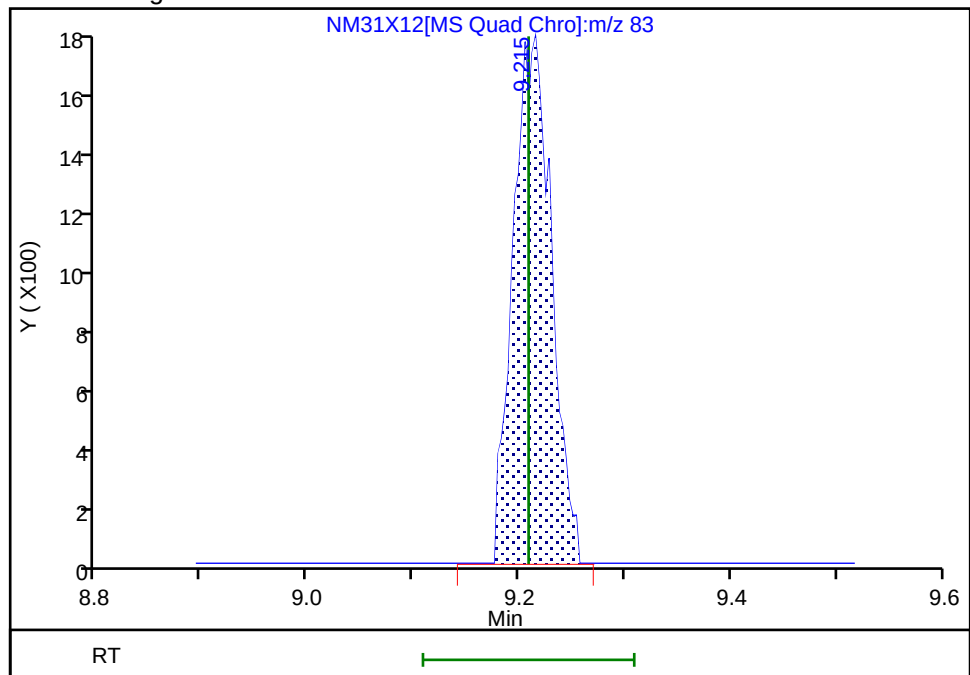
RT: 9.22
Area: 601
Amount: 1.007700
Amount Units: ug/l

Processing Integration Results



RT: 9.22
Area: 4343
Amount: 0.832814
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:42:30 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

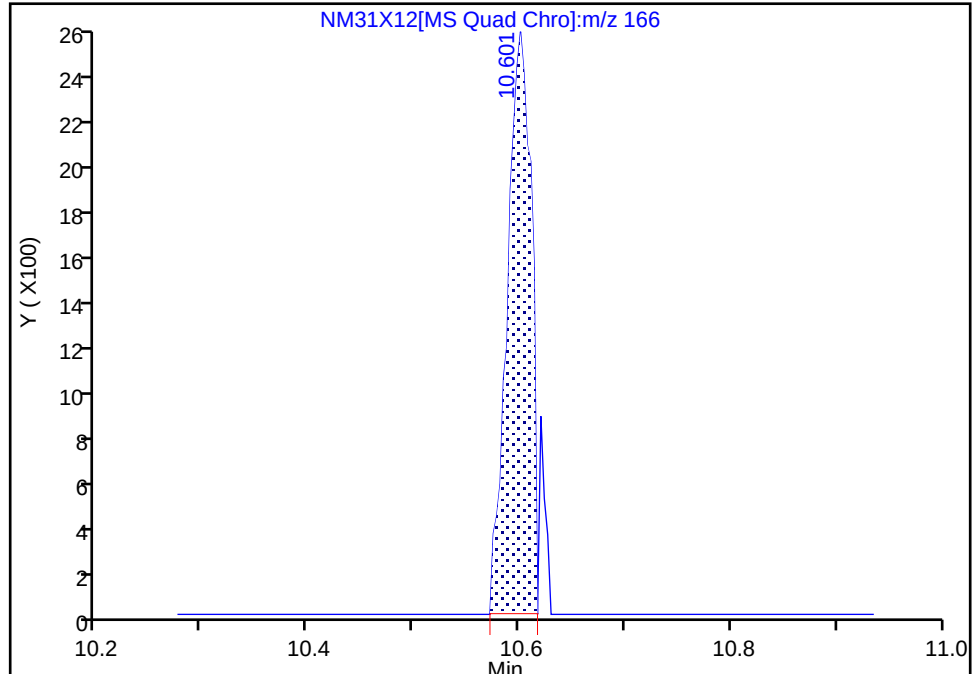
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

108 Tetrachloroethene, CAS: 127-18-4

Signal: 1

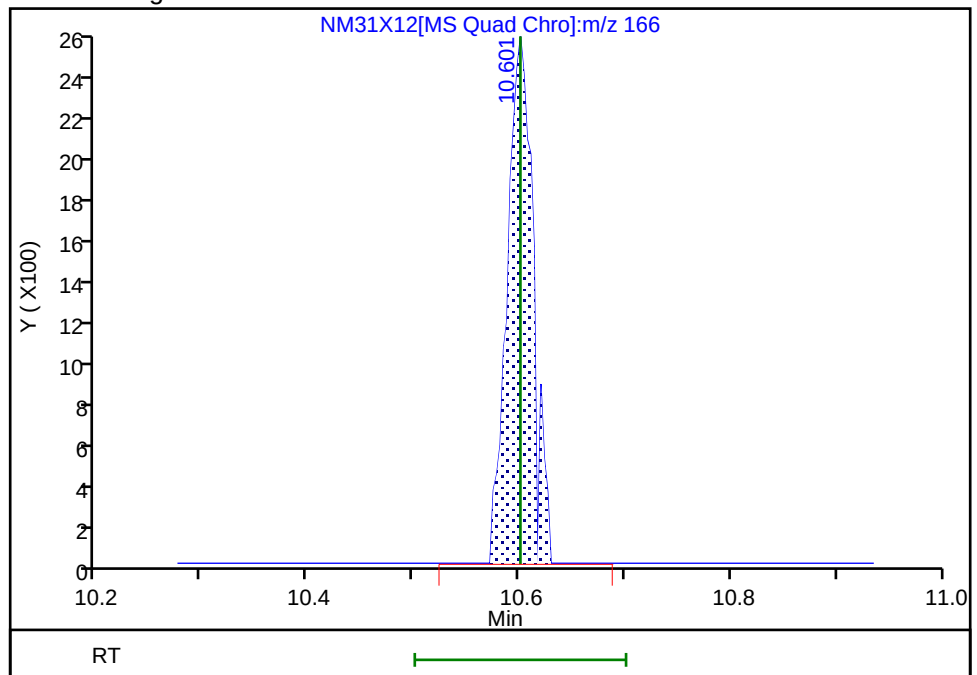
RT: 10.60
Area: 3895
Amount: 0.832775
Amount Units: ug/l

Processing Integration Results



RT: 10.60
Area: 4223
Amount: 0.893947
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:42:45 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

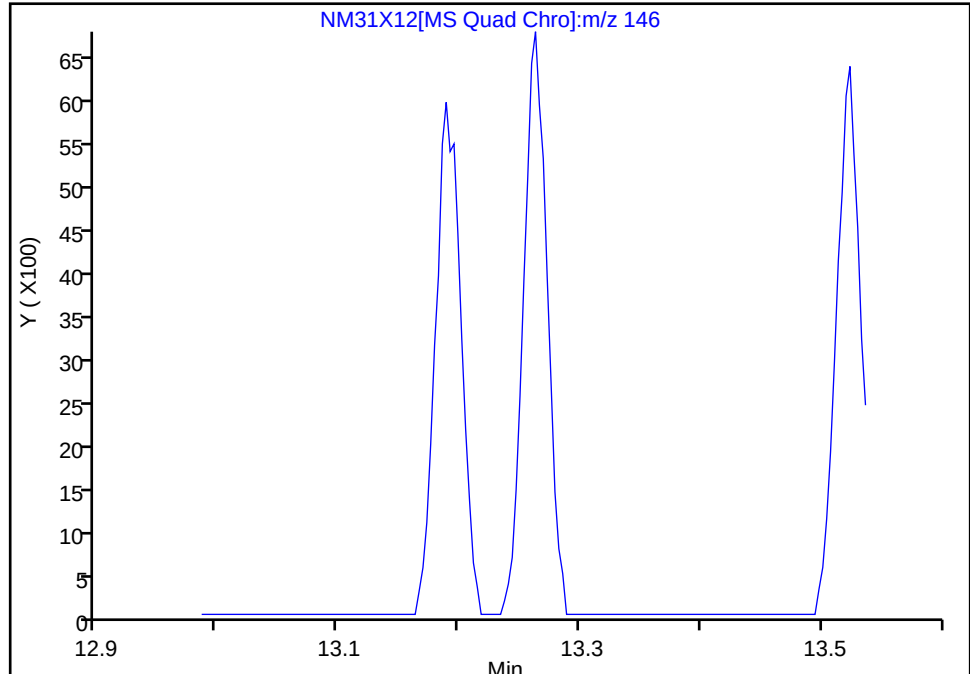
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

141 1,4-Dichlorobenzene, CAS: 106-46-7
Signal: 1

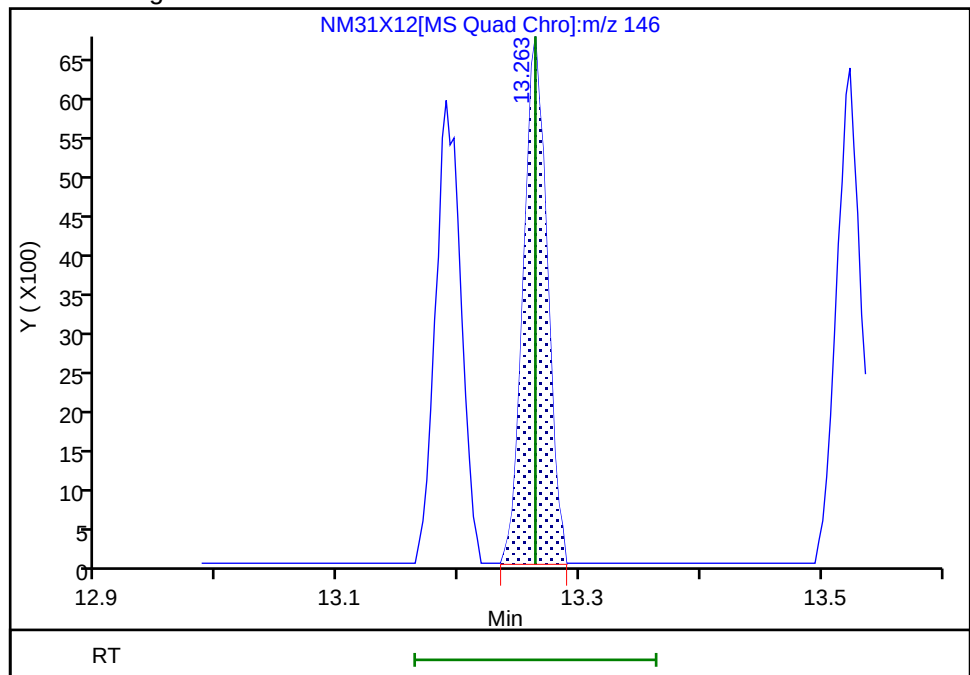
Not Detected
Expected RT: 13.26

Processing Integration Results



RT: 13.26
Area: 9146
Amount: 0.951401
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:43:02 -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\7159\20250331-142514.b\NM31X12.D

Injection Date: 31-Mar-2025 14:42:15

Instrument ID: 7159

Lims ID: IC v1

Client ID:

Operator ID: kas02648

ALS Bottle#:

12

Worklist Smp#: 12

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

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

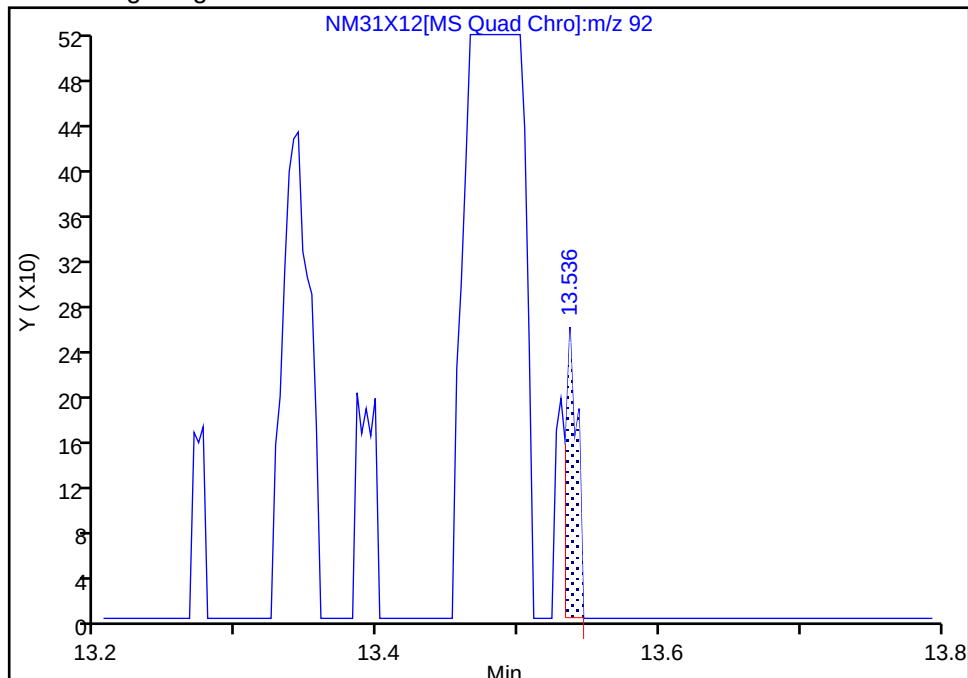
MS Quad

146 n-Butylbenzene, CAS: 104-51-8

Signal: 1

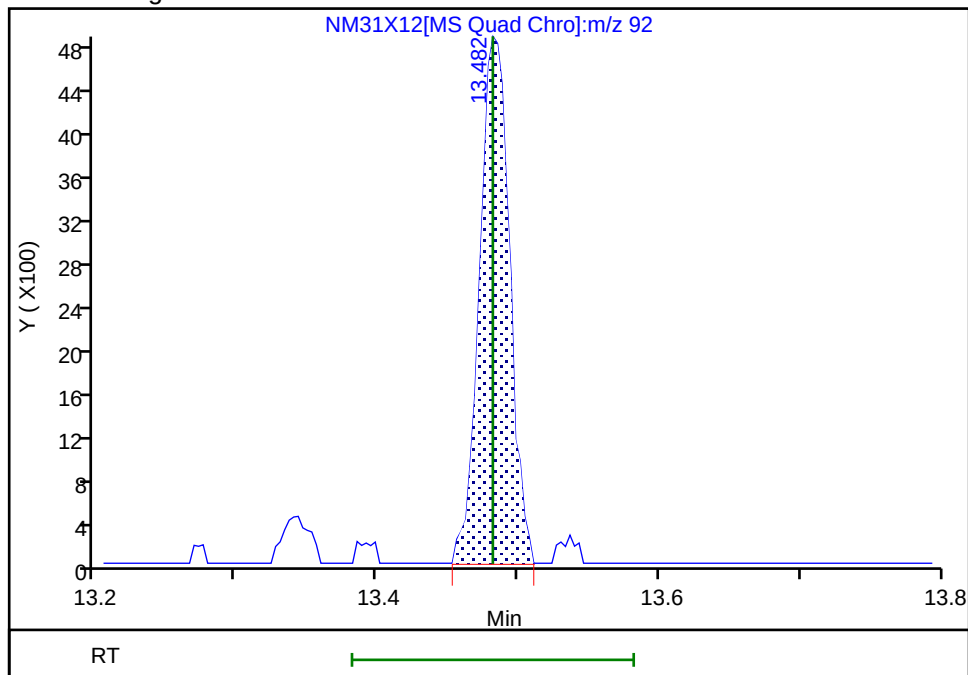
RT: 13.54
Area: 145
Amount: 0.020060
Amount Units: ug/l

Processing Integration Results



RT: 13.48
Area: 7110
Amount: 0.743085
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:43:06 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

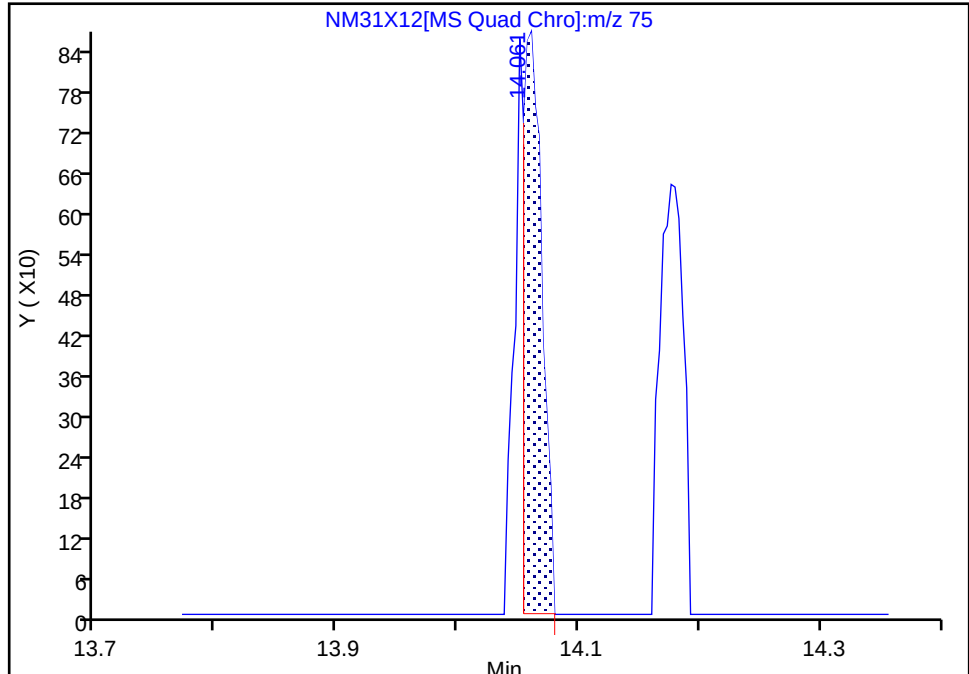
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

150 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8
Signal: 1

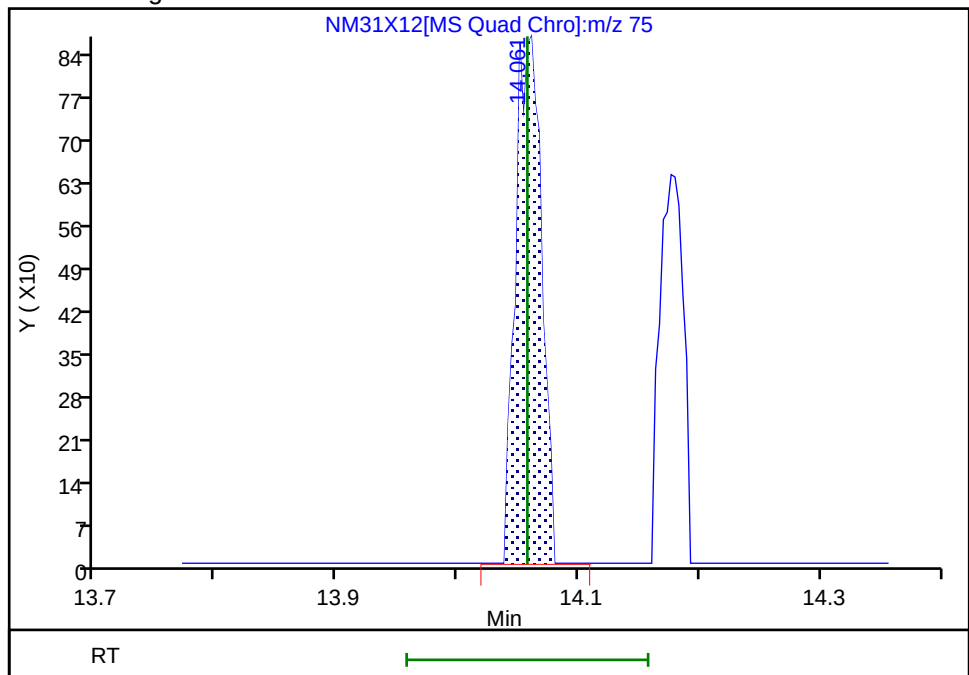
RT: 14.06
Area: 932
Amount: 1.036011
Amount Units: ug/l

Processing Integration Results



RT: 14.06
Area: 1295
Amount: 0.851250
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:43:12 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

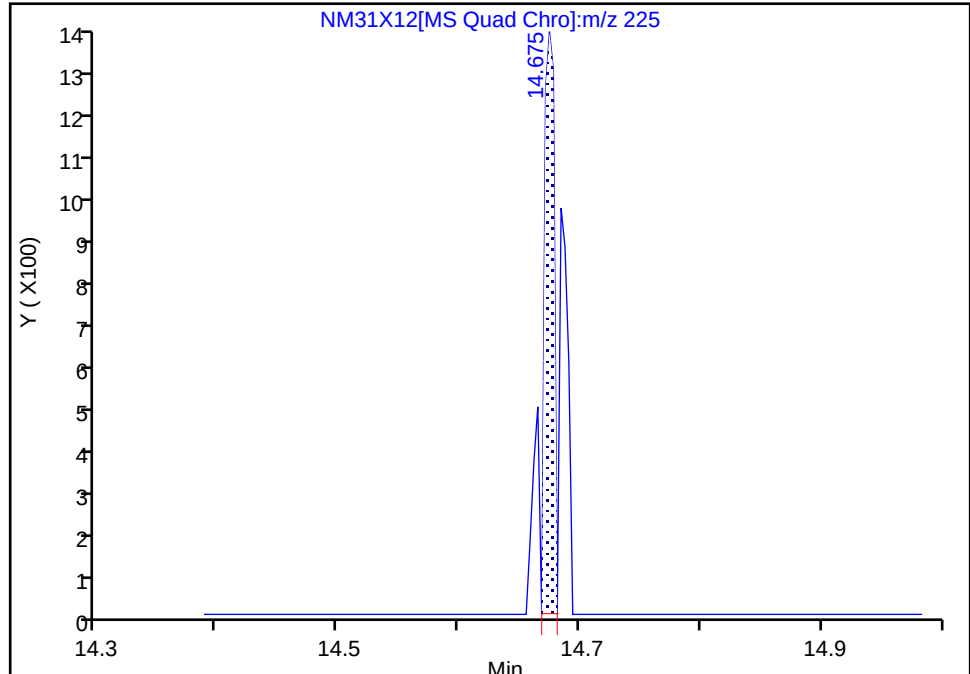
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X12.D
Injection Date: 31-Mar-2025 14:42:15 Instrument ID: 7159
Lims ID: IC v1
Client ID:
Operator ID: kas02648 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

153 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

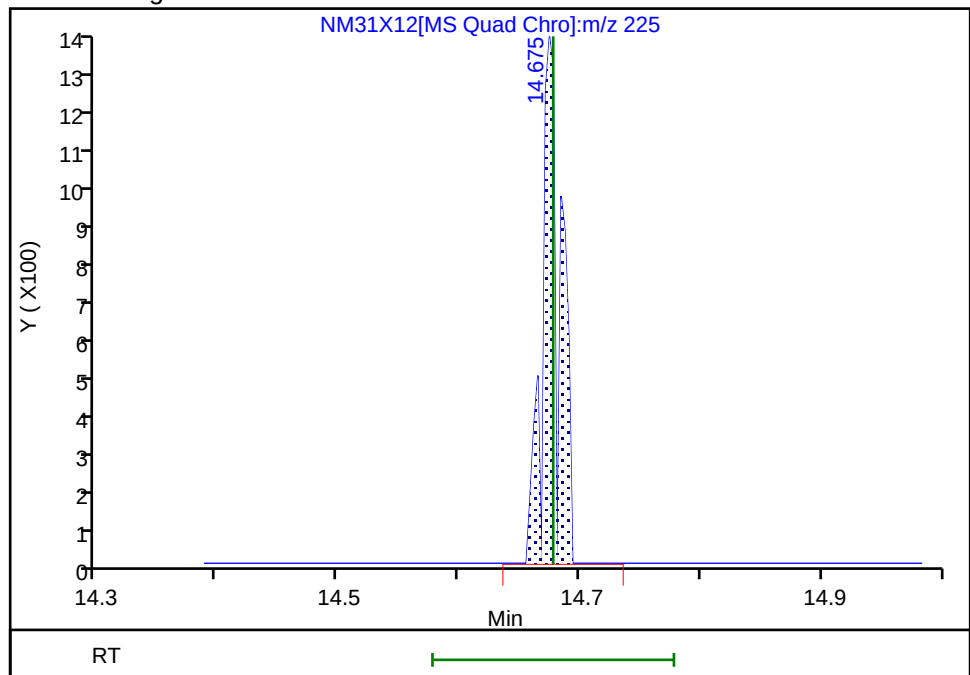
RT: 14.67
Area: 717
Amount: 0.312350
Amount Units: ug/l

Processing Integration Results



RT: 14.67
Area: 1350
Amount: 0.527636
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:43:17 -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\7159\20250331-142514.b\NM31X13.D
 Lims ID: IC v4
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 31-Mar-2025 15:02:51 ALS Bottle#: 13 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0142514-013
 Operator ID: kas02648 Instrument ID: 7159
 Sublist: chrom-MSVoa_7159*sub31
 Method: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 31-Mar-2025 21:33:04 Calib Date: 31-Mar-2025 16:43:59
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1685

First Level Reviewer: UKAD

Date: 31-Mar-2025 15:32:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.058	2.067	-0.009	98	32025	4.00	3.55	
6 Chloromethane	50	2.273	2.276	-0.003	99	28605	4.00	4.13	
7 Vinyl chloride	62	2.395	2.408	-0.013	98	29085	4.00	3.95	
8 Butadiene	39	2.427	2.434	-0.007	88	22972	4.00	3.82	
10 Bromomethane	94	2.791	2.794	-0.003	89	26299	4.00	3.68	
11 Chloroethane	64	2.861	2.871	-0.010	98	19117	4.00	3.83	
12 Dichlorofluoromethane	67	3.167	3.170	-0.003	97	53643	4.00	3.68	
13 Trichlorofluoromethane	101	3.228	3.231	-0.003	81	38568	4.00	3.52	
14 Pentane	43	3.241	3.244	-0.003	95	33981	4.00	3.94	
16 Ethanol	45	3.379	3.434	-0.055	27	20778	250.0	224.8	M
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.607	3.614	-0.007	89	24538	4.00	3.67	M
18 Acrolein	56	3.681	3.685	-0.004	98	57260	39.0	33.9	
19 1,1-Dichloroethene	96	3.845	3.839	0.006	96	20172	4.00	3.98	M
21 Acetone	58	3.887	3.874	0.013	86	5838	8.00	7.29	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.868	3.874	-0.006	92	25363	4.00	3.98	M
23 Iodomethane	142	4.058	4.067	-0.009	98	39998	4.00	3.92	
24 Isopropyl alcohol	45	4.122	4.067	0.055	44	18017	20.0	20.4	
25 Carbon disulfide	76	4.180	4.205	-0.025	98	55848	4.00	3.66	M
26 Methyl acetate	43	4.337	4.340	-0.003	97	19246	4.00	4.01	
27 3-Chloro-1-propene	41	4.360	4.363	-0.003	91	25433	4.00	4.04	M
28 Methylene Chloride	84	4.588	4.594	-0.006	68	23724	4.00	4.01	M
* 29 t-Butyl alcohol-d10 (IS)	65	4.640	4.636	0.004	97	329783	250.0	250.0	
30 2-Methyl-2-propanol	59	4.752	4.771	-0.019	28	22747	20.0	18.9	M
32 Acrylonitrile	53	4.955	4.948	0.007	98	26534	10.0	9.52	
33 Methyl tert-butyl ether	73	4.990	4.987	0.003	95	55737	4.00	3.77	M
34 trans-1,2-Dichloroethene	96	4.990	4.996	-0.006	98	19762	4.00	4.05	M
36 Hexane	57	5.421	5.421	0.000	90	25367	4.00	3.93	M
37 1,1-Dichloroethane	63	5.665	5.672	-0.007	95	31366	4.00	3.93	
38 Isopropyl ether	45	5.730	5.729	0.001	94	51315	4.00	3.77	
39 2-Chloro-1,3-butadiene	53	5.771	5.775	-0.003	90	23492	4.00	3.76	
S 42 1,2-Dichloroethene, Total	100				0			8.01	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	6.260	6.263	-0.003	98	51520	4.00	3.66	M
43 2-Butanone (MEK)	43	6.485	6.485	0.000	97	21603	8.00	6.55	
44 cis-1,2-Dichloroethene	96	6.501	6.501	0.000	83	22461	4.00	3.97	a
45 2,2-Dichloropropane	77	6.524	6.520	0.004	92	27574	4.00	3.75	
46 Propionitrile	54	6.578	6.594	-0.016	95	23350	20.0	18.4	a
183 Methyl acrylate	55	6.604	6.607	-0.003	98	20736	4.00	3.51	
47 Methacrylonitrile	67	6.787	6.794	-0.007	88	23440	10.0	8.99	M
48 Chlorobromomethane	128	6.820	6.832	-0.012	93	10851	4.00	3.84	a
49 Tetrahydrofuran	71	6.836	6.842	-0.006	87	19412	20.0	17.9	
50 Chloroform	83	6.977	6.980	-0.003	93	33235	4.00	3.96	
\$ 51 Dibromofluoromethane (Surr)	113	7.193	7.192	0.001	94	220364	50.0	50.8	
52 1,1,1-Trichloroethane	97	7.209	7.205	0.004	96	31257	4.00	3.82	
53 Cyclohexane	56	7.292	7.292	0.000	88	37177	4.00	3.86	
56 Carbon tetrachloride	117	7.402	7.408	-0.006	84	24887	4.00	3.65	
55 1,1-Dichloropropene	75	7.408	7.411	-0.003	96	25346	4.00	3.90	
57 Isobutyl alcohol	41	7.578	7.572	0.006	93	14772	50.0	41.6	a
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.649	7.643	0.006	0	52995	50.0	49.2	M
60 Benzene	78	7.668	7.675	-0.007	95	75713	4.00	3.88	
61 1,2-Dichloroethane	62	7.742	7.752	-0.010	97	23157	4.00	3.86	
62 Tert-amyl methyl ether	73	7.861	7.861	0.000	98	48957	4.00	3.56	M
64 n-Heptane	43	8.064	8.070	-0.006	39	20842	4.00	3.81	
* 63 Fluorobenzene (IS)	96	8.067	8.073	-0.006	99	822059	50.0	50.0	
66 n-Butanol	56	8.443	8.434	0.009	95	9965	50.0	34.7	
67 Trichloroethene	95	8.530	8.536	-0.006	97	19098	4.00	3.84	Ma
178 Ethyl acrylate	55	8.652	8.655	-0.003	99	17856	4.00	3.24	
68 Methylcyclohexane	83	8.839	8.839	0.000	95	37440	4.00	3.65	
70 2-ethoxy-2-methyl butane	87	8.871	8.871	0.000	94	25093	4.00	3.53	
69 1,2-Dichloropropane	63	8.874	8.877	-0.003	84	17301	4.00	3.74	M
71 Methyl methacrylate	69	8.951	8.951	0.000	90	11127	4.00	3.18	
72 1,4-Dioxane	88	8.961	8.961	0.000	46	4721	50.0	48.0	
73 Dibromomethane	93	8.984	8.983	0.001	96	11186	4.00	3.62	
75 Dichlorobromomethane	83	9.209	9.209	0.001	99	18054	4.00	3.35	
76 2-Nitropropane	41	9.479	9.482	-0.003	97	21295	20.0	15.4	
78 2-Chloroethyl vinyl ether	63	9.546	9.549	-0.003	91	8673	4.00	3.08	
79 cis-1,3-Dichloropropene	75	9.723	9.723	0.000	96	21743	4.00	3.31	
80 4-Methyl-2-pentanone (MIBK)	43	9.890	9.890	0.000	96	36790	8.00	5.98	
\$ 81 Toluene-d8 (Surr)	98	10.009	10.012	-0.003	93	760095	50.0	50.4	
S 104 1,3-Dichloropropene, Total	100				0			6.62	
82 Toluene	92	10.080	10.083	-0.003	98	42321	4.00	3.83	
105 trans-1,3-Dichloropropene	75	10.328	10.327	0.001	92	17508	4.00	3.31	
106 Ethyl methacrylate	69	10.382	10.382	0.000	88	16674	4.00	3.06	
107 1,1,2-Trichloroethane	97	10.524	10.524	0.000	91	14290	4.00	3.70	
108 Tetrachloroethene	166	10.598	10.601	-0.003	95	19106	4.00	3.85	
109 1,3-Dichloropropane	76	10.678	10.681	-0.003	88	23724	4.00	3.72	
110 2-Hexanone	43	10.729	10.729	0.000	96	23245	8.00	6.01	
111 Chlorodibromomethane	129	10.881	10.884	-0.003	90	11710	4.00	3.09	
112 Ethylene Dibromide	107	10.993	10.996	-0.003	100	13975	4.00	3.54	
S 113 Xylenes, Total	106				0			11.1	
* 114 Chlorobenzene-d5 (IS)	117	11.408	11.408	0.000	85	579990	50.0	50.0	
115 1-Chlorohexane	91	11.408	11.411	-0.003	90	21706	4.00	3.66	
116 Chlorobenzene	112	11.434	11.434	0.000	97	47476	4.00	3.83	
117 1,1,1,2-Tetrachloroethane	131	11.514	11.514	0.000	93	16377	4.00	3.46	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
118 Ethylbenzene	91	11.514	11.514	0.000	98	78840	4.00	3.72	
119 m-Xylene & p-Xylene	106	11.627	11.623	0.004	0	61555	8.00	7.44	
272 n-Butyl acrylate	55	11.890	11.890	0.000	97	17817	4.00	2.78	
120 o-Xylene	106	11.945	11.945	0.000	96	32052	4.00	3.68	
121 Styrene	104	11.958	11.961	-0.003	94	40876	4.00	3.40	
122 Bromoform	173	12.115	12.118	-0.003	95	6375	4.00	5.63	
123 Isopropylbenzene	105	12.237	12.237	0.000	95	75693	4.00	3.62	
124 Cyclohexanone	55	12.327	12.324	0.003	90	53141	200.0	164.6	
\$ 125 4-Bromofluorobenzene (Surr)	95	12.379	12.379	0.000	90	281353	50.0	51.2	
126 1,1,2,2-Tetrachloroethane	83	12.479	12.479	0.000	96	22692	4.00	3.42	
127 Bromobenzene	156	12.498	12.498	0.000	97	18976	4.00	3.59	
128 trans-1,4-Dichloro-2-butene	53	12.501	12.504	-0.003	86	14126	10.0	8.62	
129 1,2,3-Trichloropropane	110	12.527	12.527	0.000	84	8055	4.00	3.72	
130 N-Propylbenzene	91	12.559	12.559	0.000	98	96219	4.00	3.65	
131 2-Chlorotoluene	126	12.636	12.636	0.000	97	19951	4.00	3.58	
132 1,3,5-Trimethylbenzene	105	12.691	12.691	0.000	95	68271	4.00	3.42	
133 4-Chlorotoluene	126	12.726	12.729	-0.003	97	19132	4.00	3.66	
134 tert-Butylbenzene	134	12.929	12.932	-0.003	93	13765	4.00	3.29	
136 1,2,4-Trimethylbenzene	105	12.971	12.970	0.001	97	68301	4.00	3.47	
137 sec-Butylbenzene	105	13.093	13.089	0.004	94	88364	4.00	3.43	
138 1,3-Dichlorobenzene	146	13.192	13.189	0.003	98	36646	4.00	3.65	
139 4-Isopropyltoluene	119	13.196	13.196	0.000	97	72432	4.00	3.33	
* 140 1,4-Dichlorobenzene-d4	152	13.244	13.244	0.000	95	318068	50.0	50.0	
141 1,4-Dichlorobenzene	146	13.263	13.263	0.000	95	36976	4.00	3.69	a
142 1,2,3-Trimethylbenzene	105	13.273	13.273	0.000	96	73720	4.00	3.48	
143 Benzyl chloride	91	13.340	13.340	0.000	98	26956	4.00	2.74	
144 1,3-Diethylbenzene	119	13.392	13.392	0.000	95	40580	4.00	3.37	
145 p-Diethylbenzene	119	13.462	13.462	0.000	95	42598	4.00	3.43	
146 n-Butylbenzene	92	13.485	13.482	0.003	97	35171	4.00	3.53	a
147 1,2-Dichlorobenzene	146	13.524	13.520	0.004	98	37293	4.00	3.72	
148 o-diethylbenzene	119	13.536	13.536	0.000	95	37431	4.00	3.44	
150 1,2-Dibromo-3-Chloropropane	75	14.061	14.057	0.004	82	5189	4.00	3.27	
151 1,3,5-Trichlorobenzene	180	14.180	14.176	0.004	98	25951	4.00	3.54	
152 1,2,4-Trichlorobenzene	180	14.598	14.597	0.001	94	22210	4.00	3.50	
267 2-Ethylhexyl acrylate	55	14.649	14.652	-0.003	85	11010	4.00	5.21	
153 Hexachlorobutadiene	225	14.678	14.678	0.000	98	8683	4.00	3.26	
154 Naphthalene	128	14.784	14.787	-0.003	97	80621	4.00	3.45	
155 1,2,3-Trichlorobenzene	180	14.929	14.929	0.000	95	22889	4.00	3.53	
156 2-Methylnaphthalene	142	15.581	15.581	0.000	92	33588	4.00	2.73	
S 165 Total Diethylbenzene	1				0			10.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00229	Amount Added: 4.00	Units: uL	
MSV_CCV_GASES_00998	Amount Added: 2.00	Units: uL	
MSV_CCV_VOC#3_00230	Amount Added: 3.20	Units: uL	
MSV_CCV_2CEVE_00221	Amount Added: 4.00	Units: uL	
MSV_CCV_OH_Sp_00020	Amount Added: 4.00	Units: uL	
MSV_CCV_CYC_00011	Amount Added: 32.00	Units: uL	
MSV_CCV_ETOH_00009	Amount Added: 20.00	Units: uL	
MSV_Cent_ISSS_00035	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 31-Mar-2025 21:33:05

Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X13.D

Injection Date: 31-Mar-2025 15:02:51

Instrument ID: 7159

Operator ID: kas02648

Lims ID: IC v4

Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

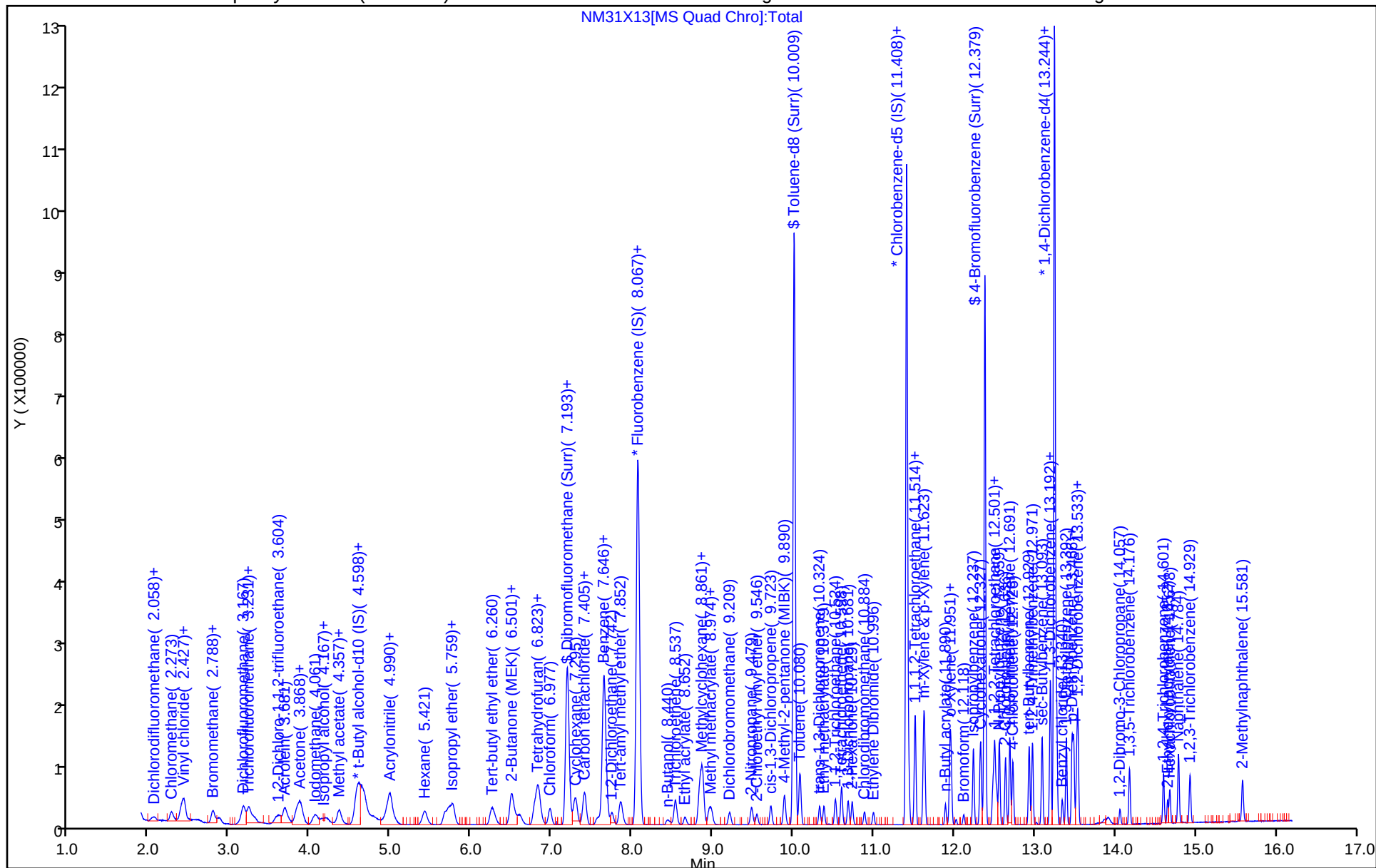
ALS Bottle#: 13

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC

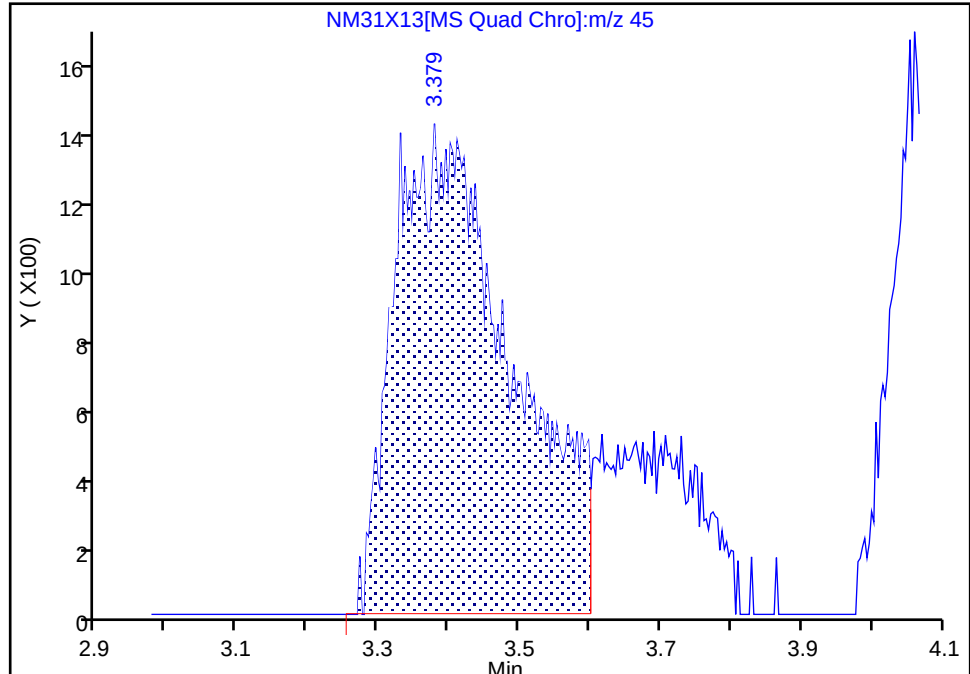
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X13.D
Injection Date: 31-Mar-2025 15:02:51 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

16 Ethanol, CAS: 64-17-5

Signal: 1

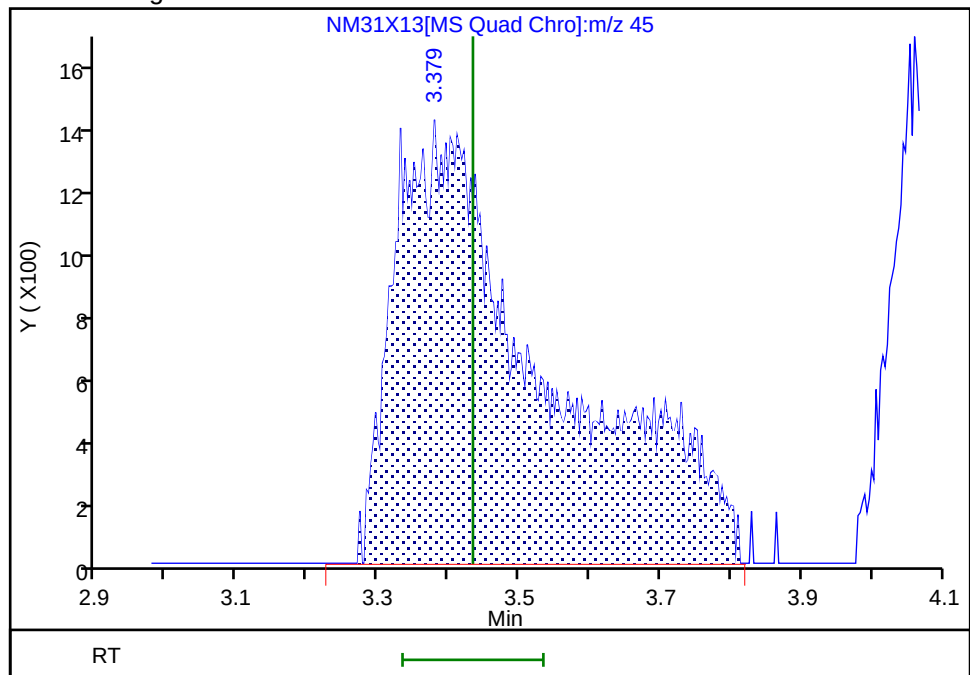
RT: 3.38
Area: 16043
Amount: 239.8468
Amount Units: ug/l

Processing Integration Results



RT: 3.38
Area: 20778
Amount: 224.7857
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:45:52 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

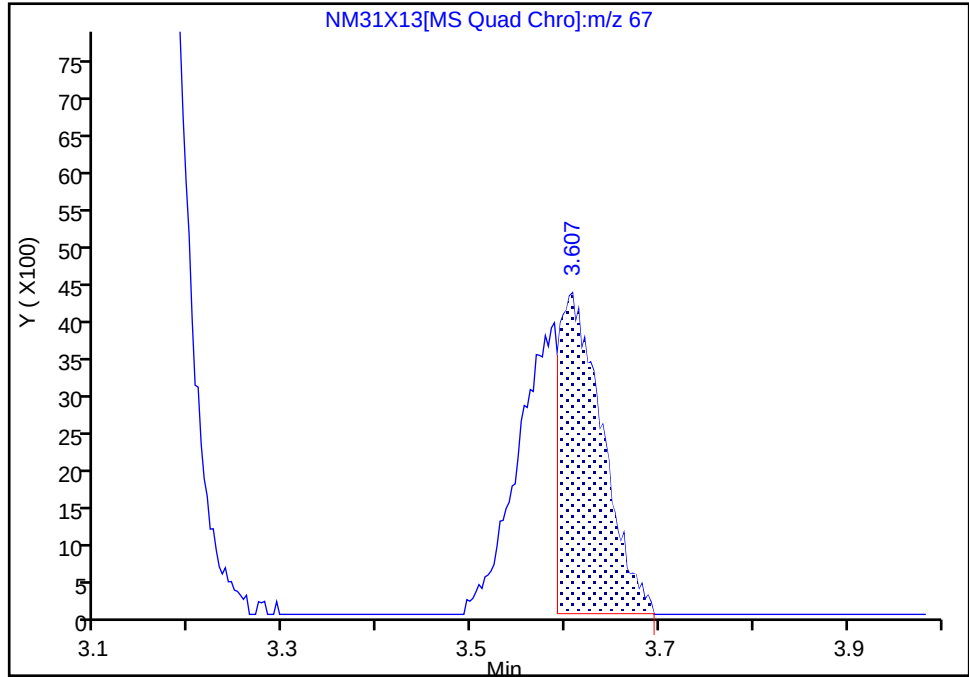
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X13.D
Injection Date: 31-Mar-2025 15:02:51 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

17 1,2-Dichloro-1,1,2-trifluoroetha, CAS: 354-23-4

Signal: 1

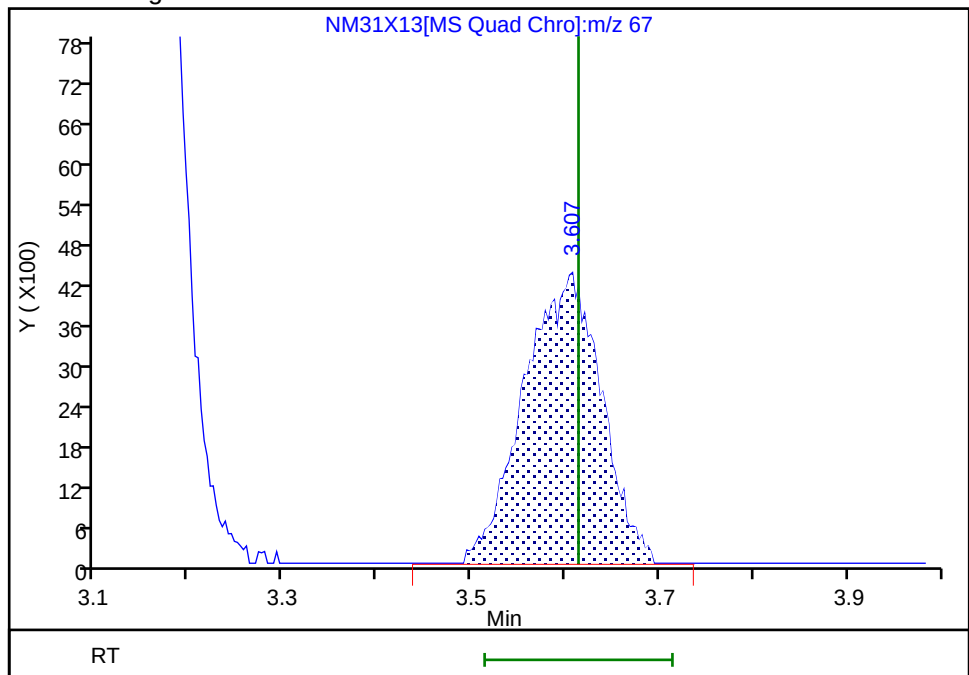
RT: 3.61
Area: 13799
Amount: 2.400412
Amount Units: ug/l

Processing Integration Results



RT: 3.61
Area: 24538
Amount: 3.669370
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:35:38 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

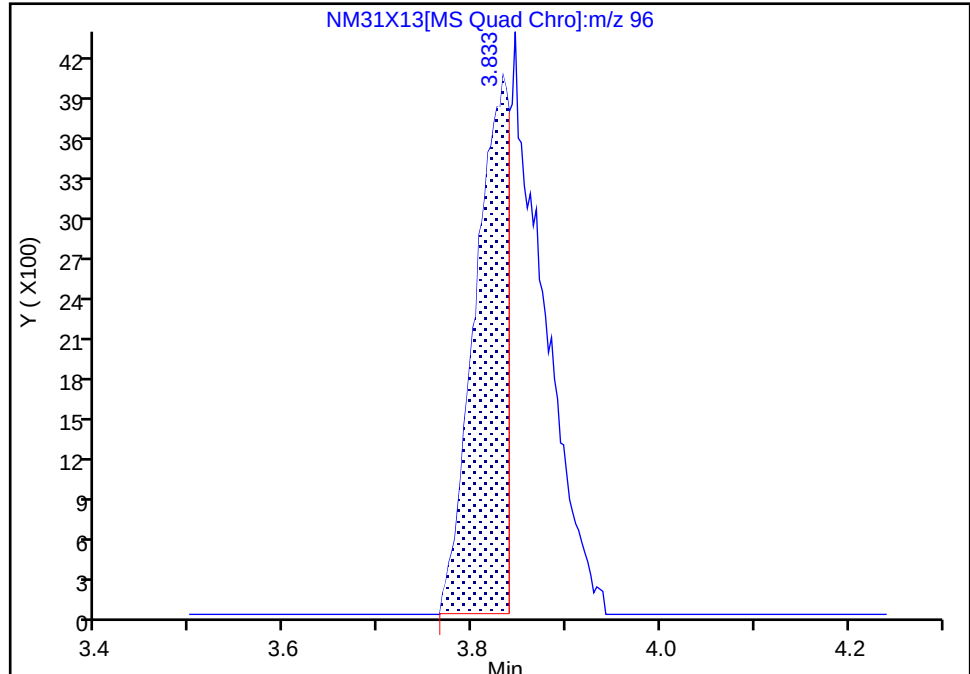
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X13.D
Injection Date: 31-Mar-2025 15:02:51 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

19 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

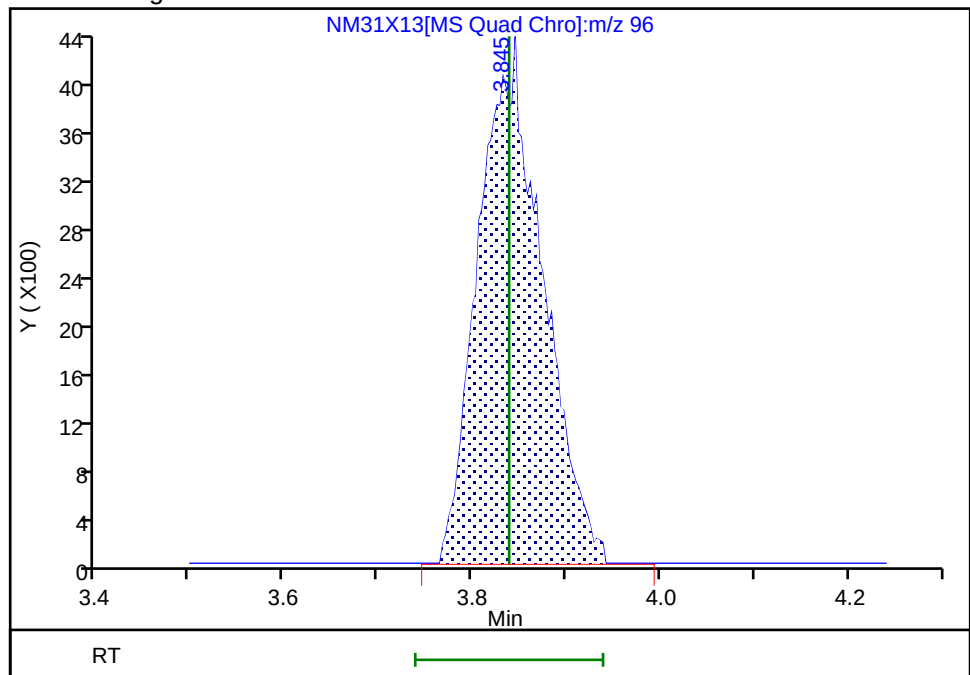
RT: 3.83
Area: 9863
Amount: 2.843819
Amount Units: ug/l

Processing Integration Results



RT: 3.85
Area: 20172
Amount: 3.983604
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:35:43 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

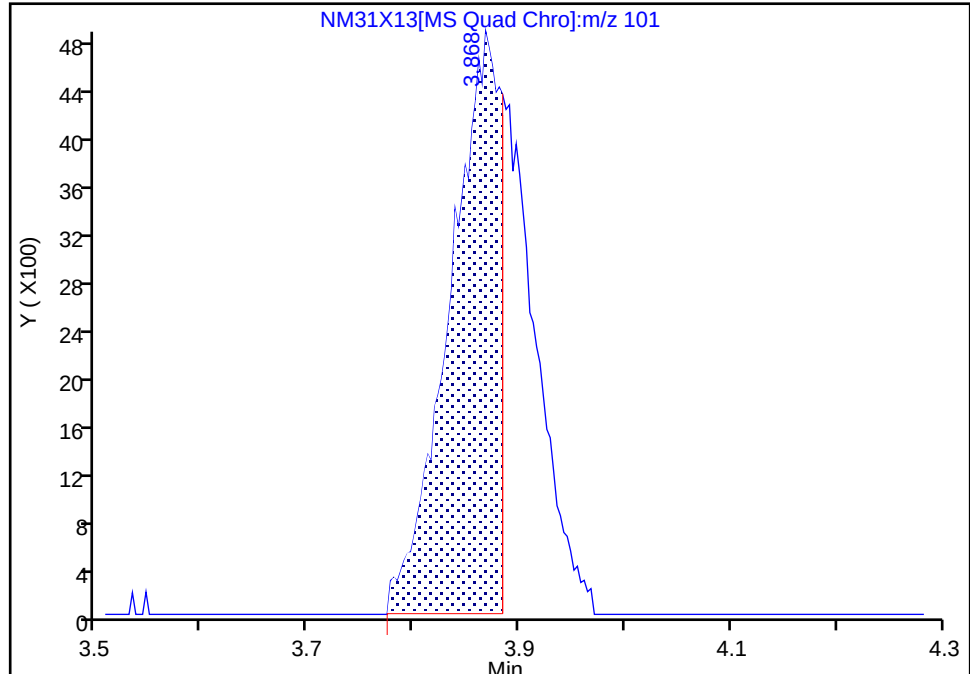
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X13.D
Injection Date: 31-Mar-2025 15:02:51 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

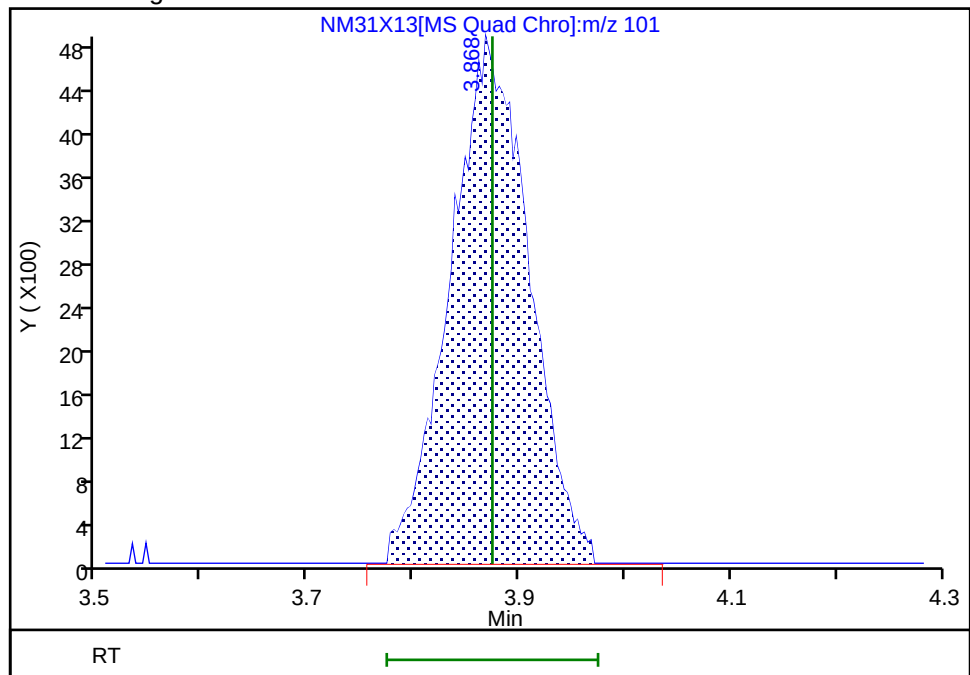
RT: 3.87
Area: 16273
Amount: 2.993663
Amount Units: ug/l

Processing Integration Results



RT: 3.87
Area: 25363
Amount: 3.978174
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:35:48 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

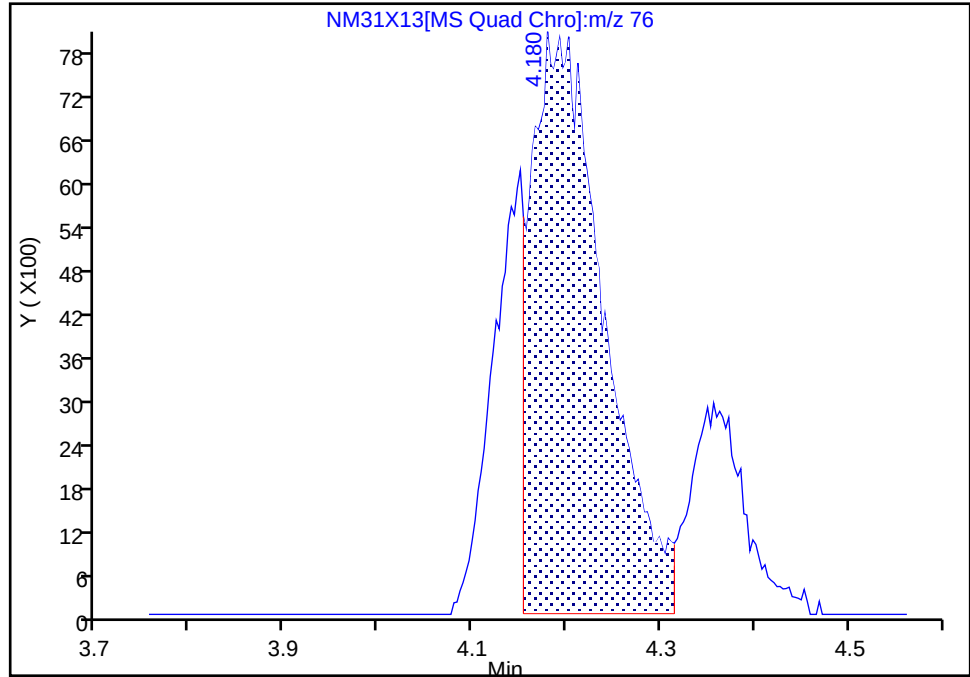
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X13.D
Injection Date: 31-Mar-2025 15:02:51 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

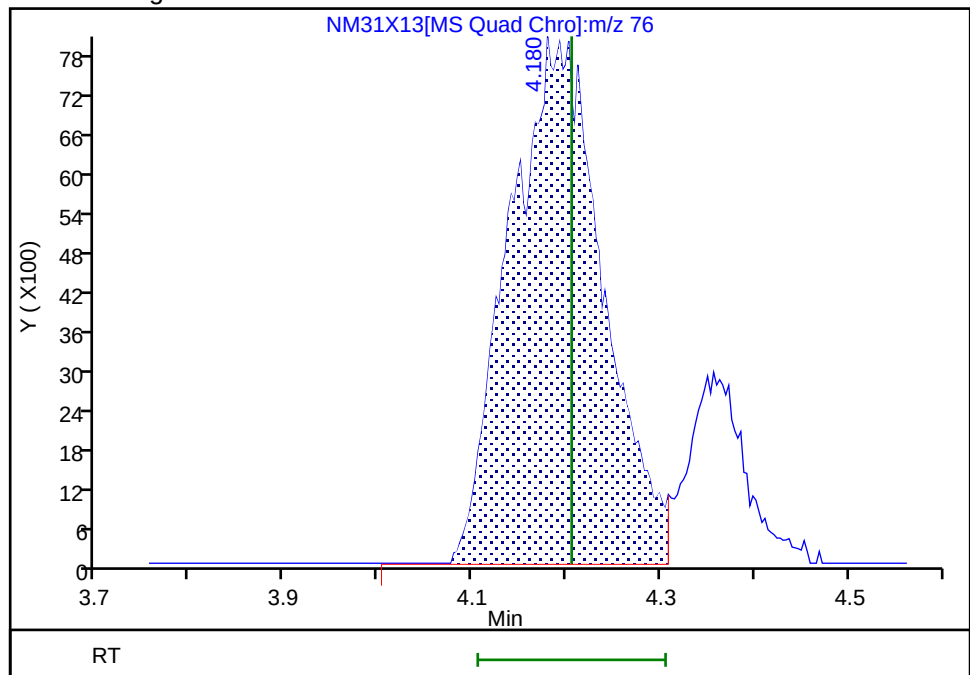
RT: 4.18
Area: 43436
Amount: 3.306177
Amount Units: ug/l

Processing Integration Results



RT: 4.18
Area: 55848
Amount: 3.655244
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:35:58 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

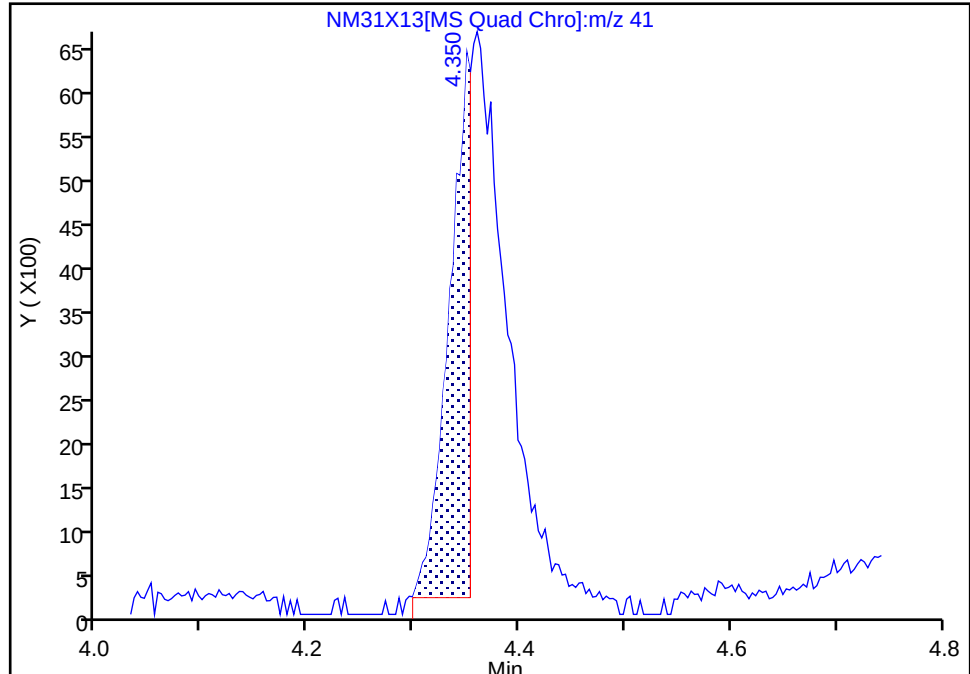
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X13.D
Injection Date: 31-Mar-2025 15:02:51 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

27 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

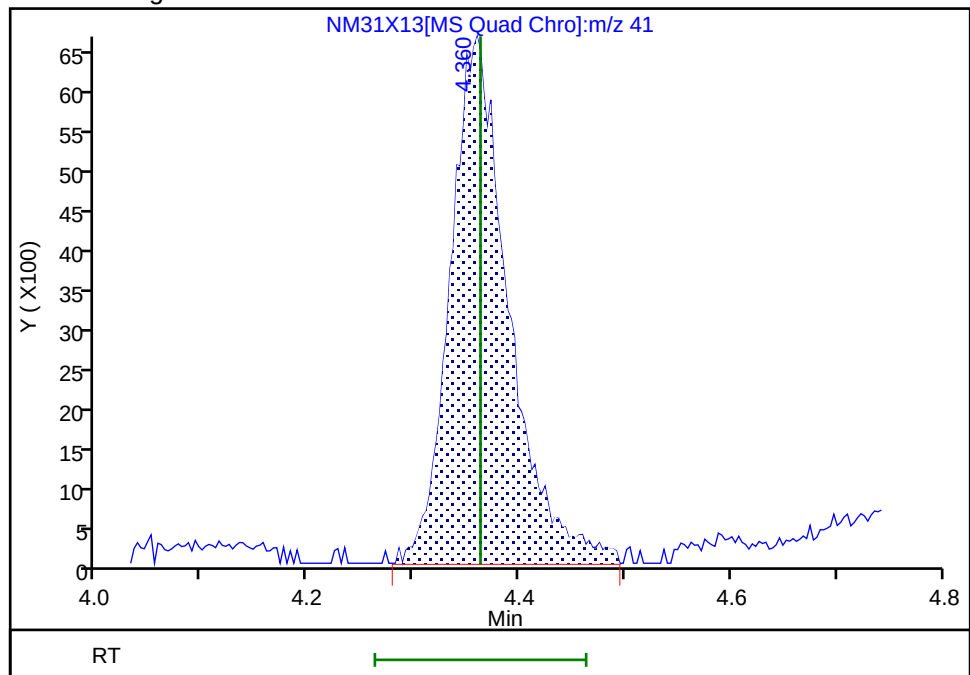
RT: 4.35
Area: 8751
Amount: 1.698108
Amount Units: ug/l

Processing Integration Results



RT: 4.36
Area: 25433
Amount: 4.037458
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:36:10 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

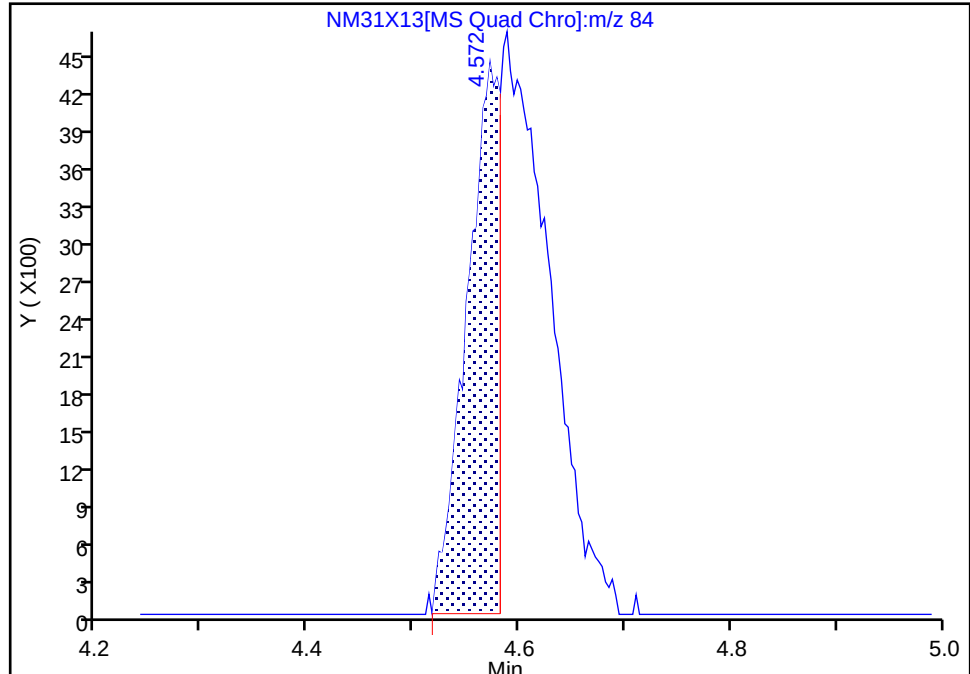
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X13.D
Injection Date: 31-Mar-2025 15:02:51 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

28 Methylene Chloride, CAS: 75-09-2

Signal: 1

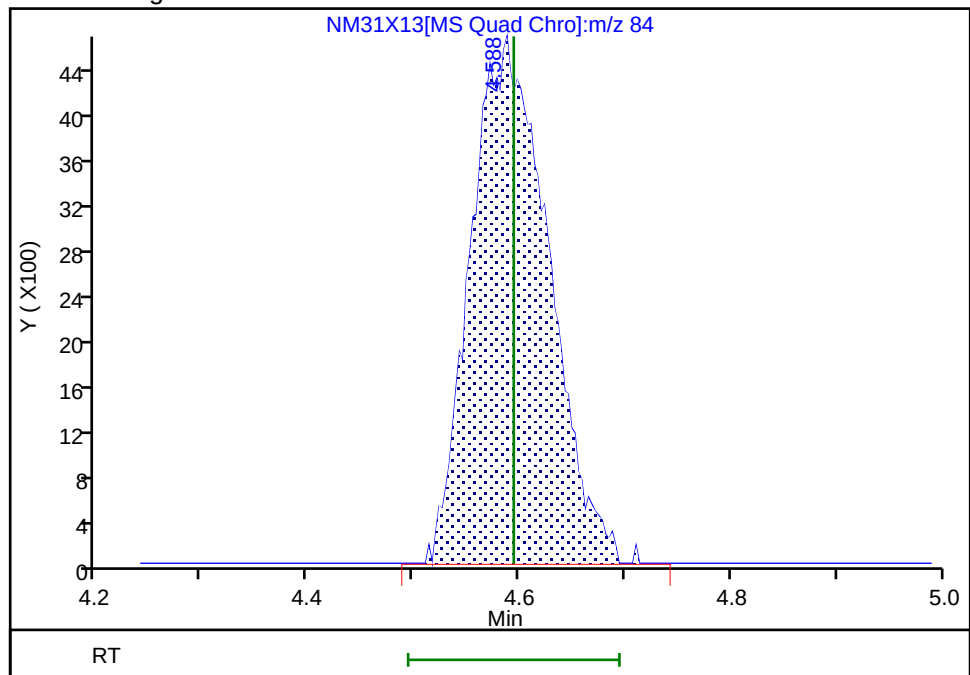
RT: 4.57
Area: 9506
Amount: 1.981177
Amount Units: ug/l

Processing Integration Results



RT: 4.59
Area: 23724
Amount: 4.008501
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:36:15 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

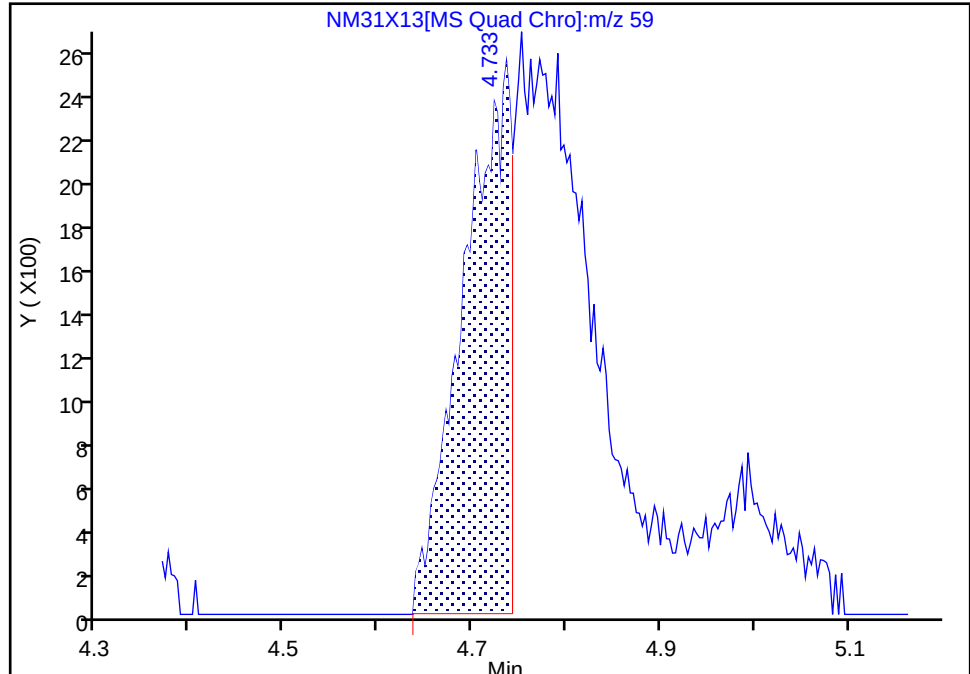
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X13.D
Injection Date: 31-Mar-2025 15:02:51 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

30 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

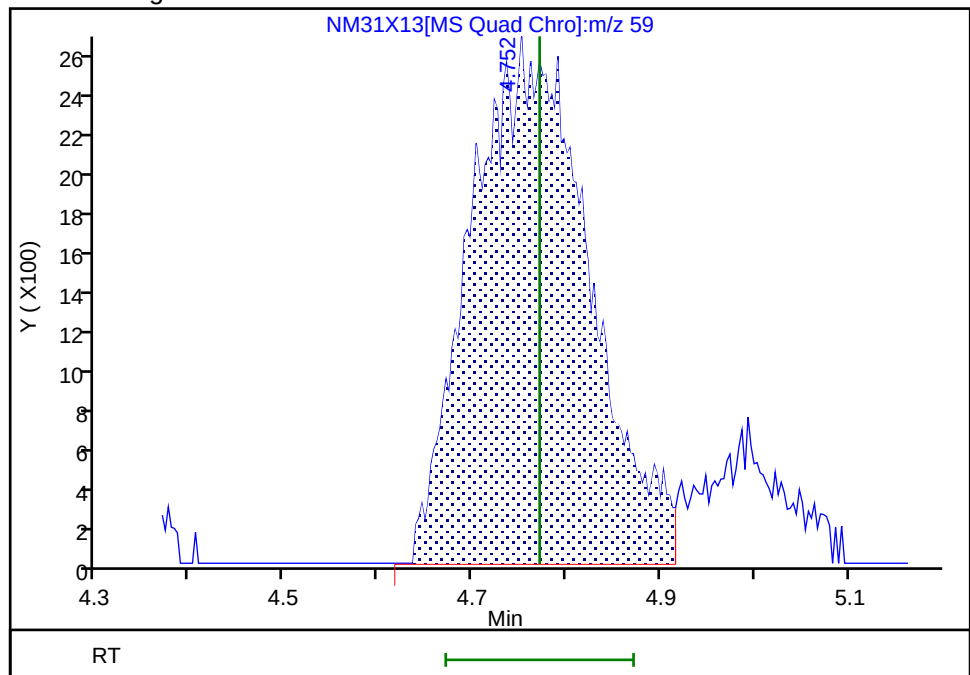
RT: 4.73
Area: 8675
Amount: 19.297697
Amount Units: ug/l

Processing Integration Results



RT: 4.75
Area: 22747
Amount: 18.906944
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:36:24 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

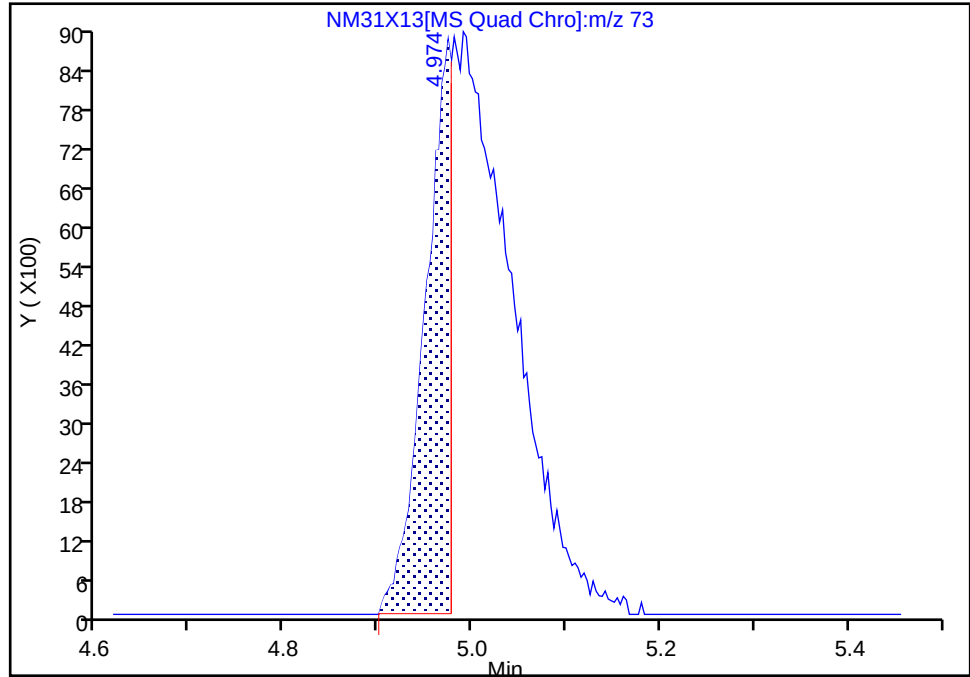
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X13.D
Injection Date: 31-Mar-2025 15:02:51 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

33 Methyl tert-butyl ether, CAS: 1634-04-4

Signal: 1

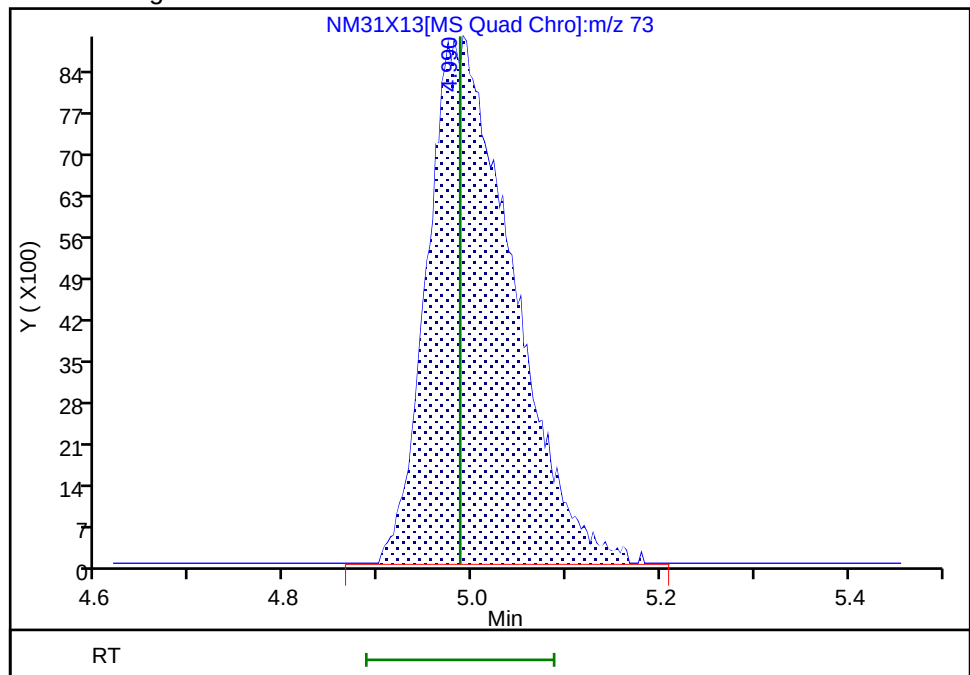
RT: 4.97
Area: 17117
Amount: 1.394908
Amount Units: ug/l

Processing Integration Results



RT: 4.99
Area: 55737
Amount: 3.770067
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:36:34 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

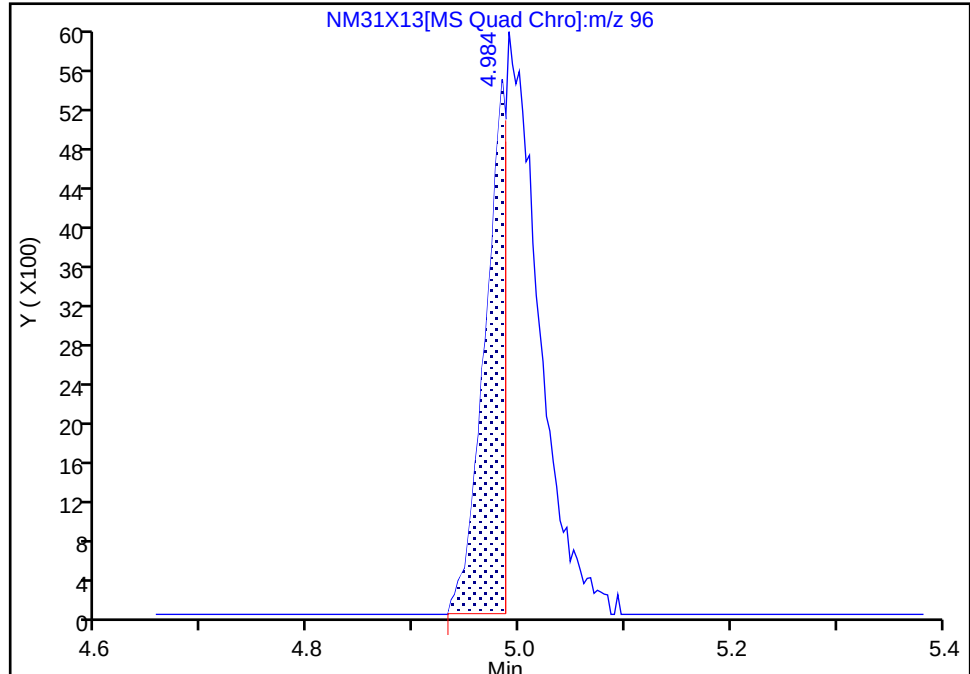
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\nm31X13.D
Injection Date: 31-Mar-2025 15:02:51 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

34 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

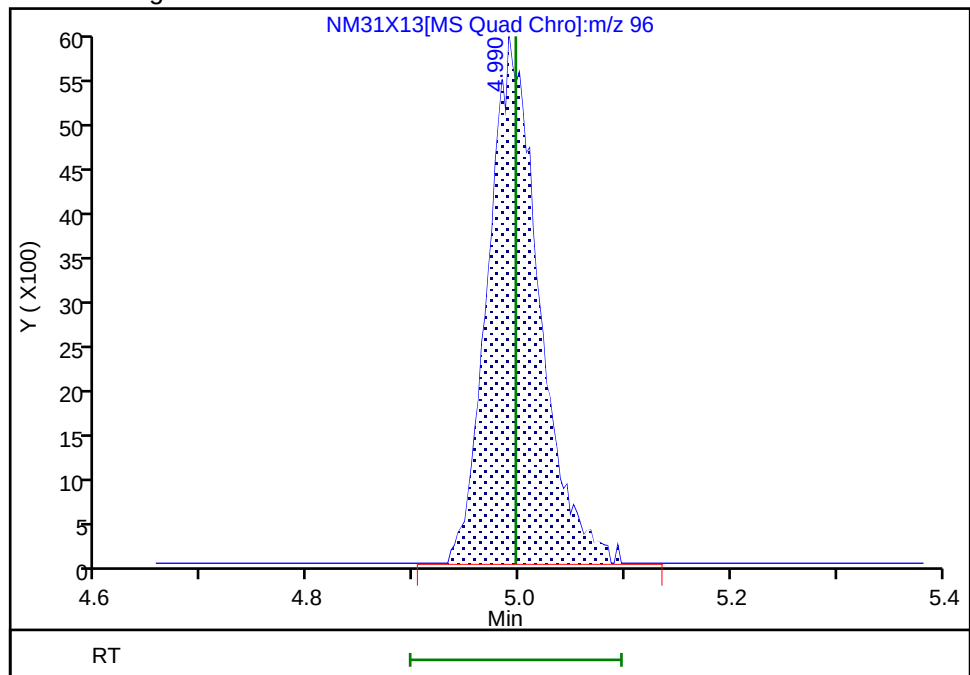
RT: 4.98
Area: 7555
Amount: 1.925696
Amount Units: ug/l

Processing Integration Results



RT: 4.99
Area: 19762
Amount: 4.045510
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:36:30 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

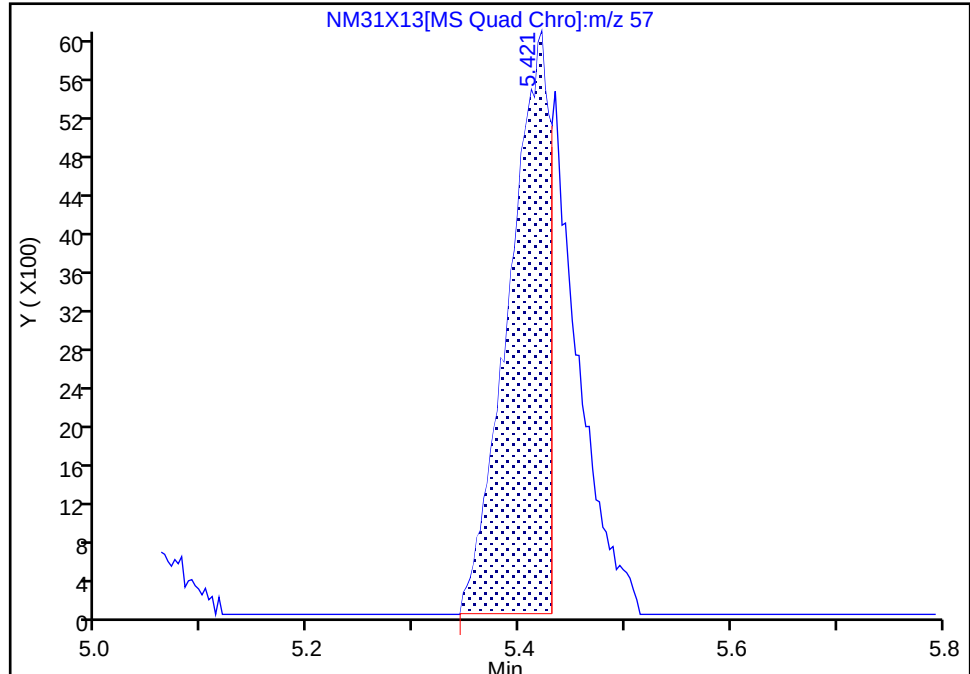
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X13.D
Injection Date: 31-Mar-2025 15:02:51 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

36 Hexane, CAS: 110-54-3

Signal: 1

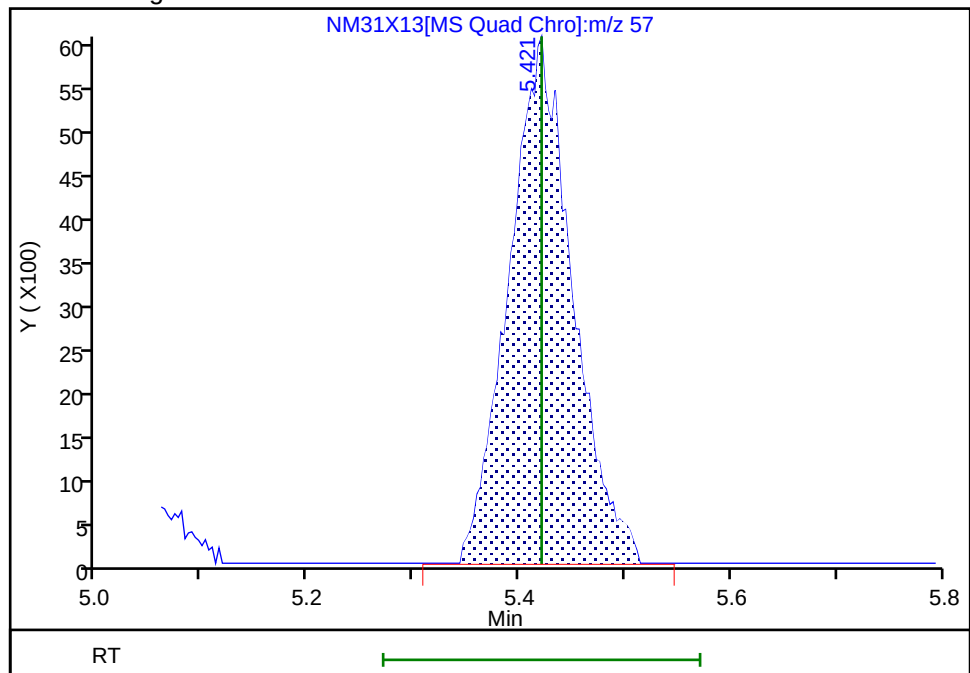
RT: 5.42
Area: 16439
Amount: 3.429370
Amount Units: ug/l

Processing Integration Results



RT: 5.42
Area: 25367
Amount: 3.933883
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:36:43 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

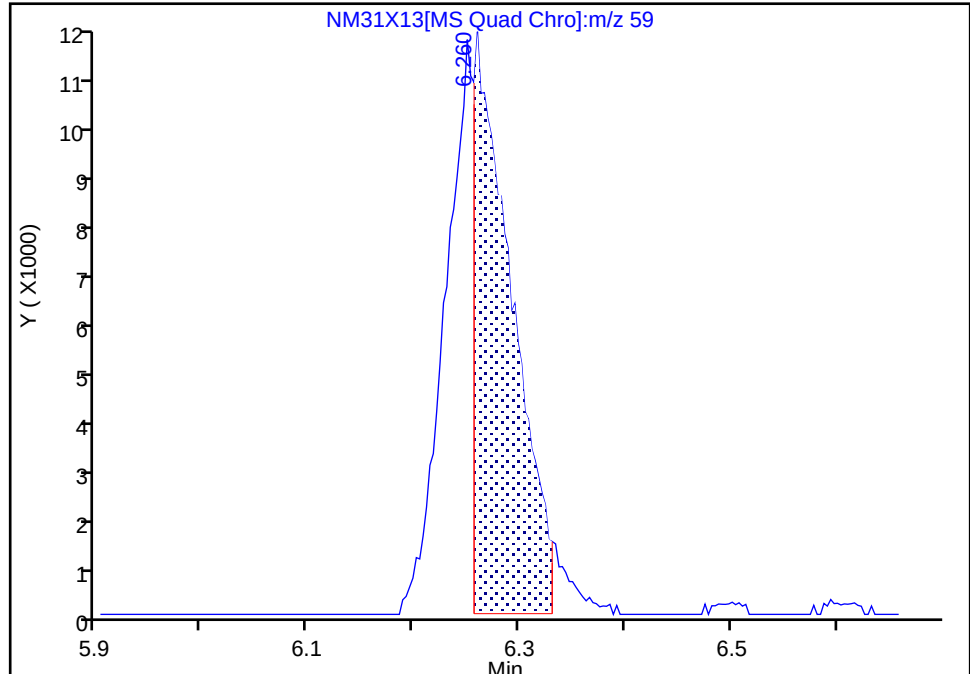
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X13.D
Injection Date: 31-Mar-2025 15:02:51 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

41 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

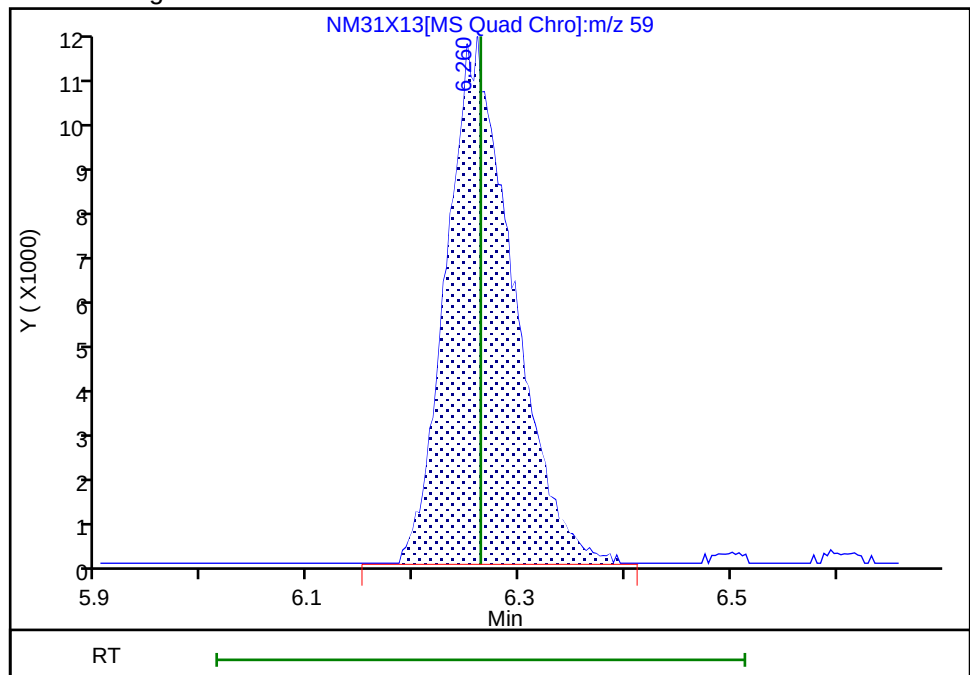
RT: 6.26
Area: 29653
Amount: 2.424401
Amount Units: ug/l

Processing Integration Results



RT: 6.26
Area: 51520
Amount: 3.662710
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:36:50 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

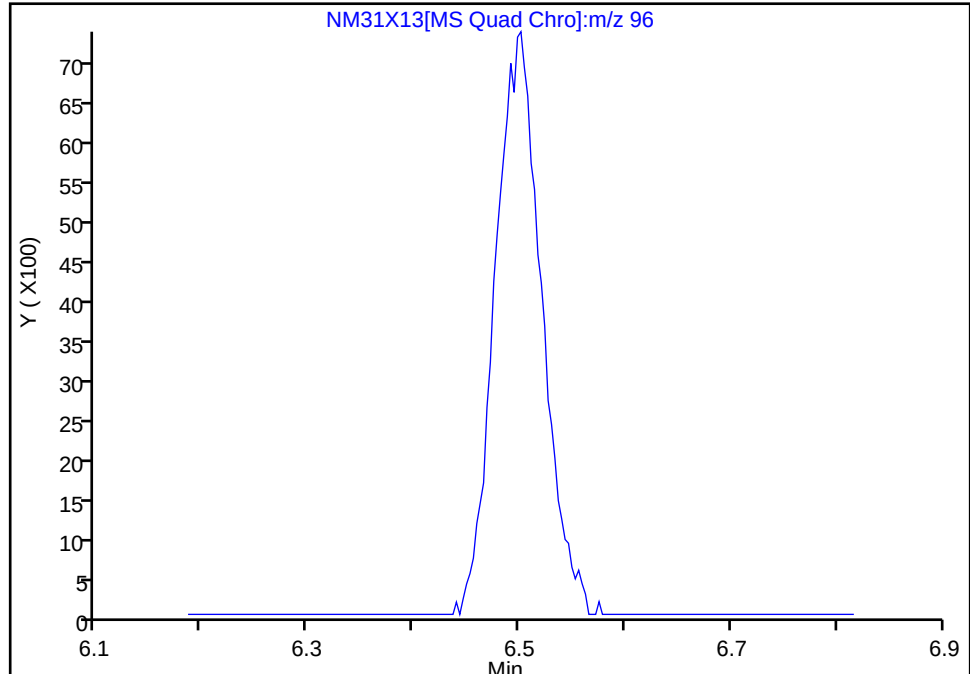
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X13.D
Injection Date: 31-Mar-2025 15:02:51 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

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

Signal: 1

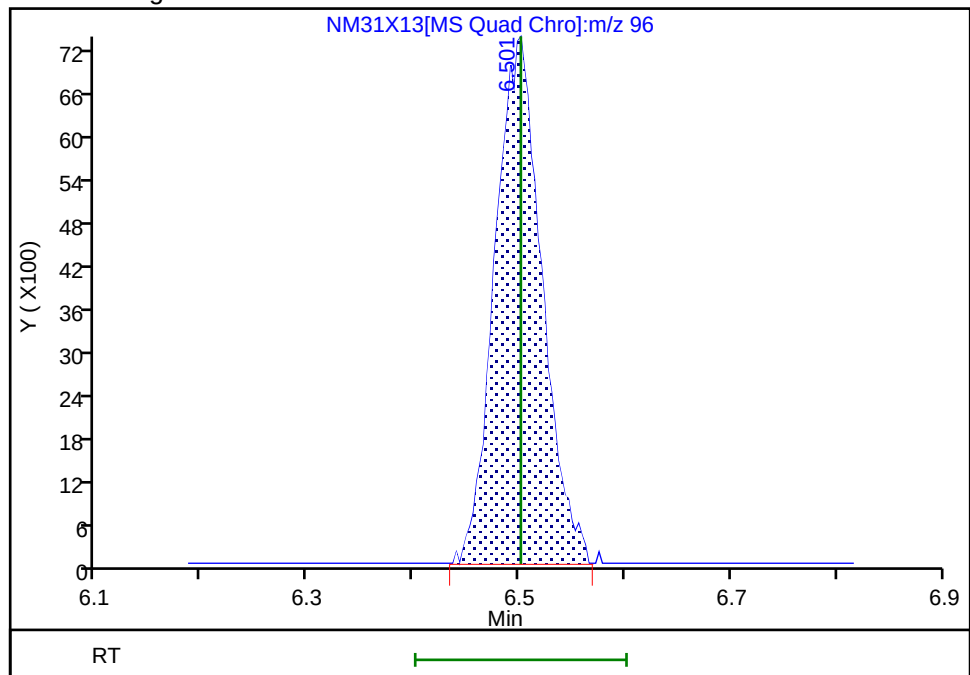
Not Detected
Expected RT: 6.50

Processing Integration Results



RT: 6.50
Area: 22461
Amount: 3.966070
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:36:54 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

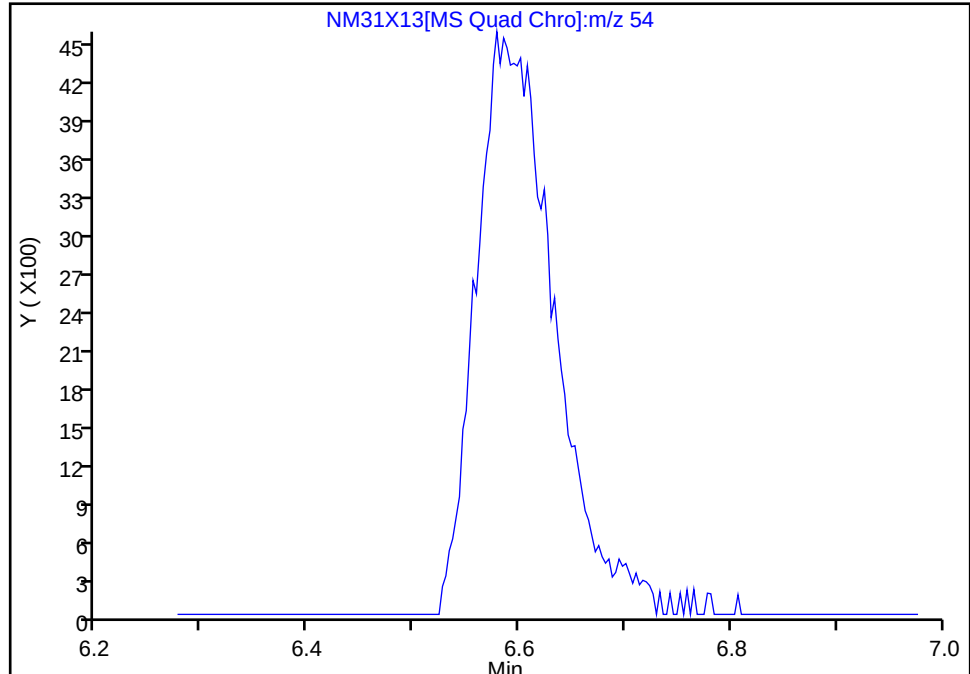
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X13.D
Injection Date: 31-Mar-2025 15:02:51 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

46 Propionitrile, CAS: 107-12-0

Signal: 1

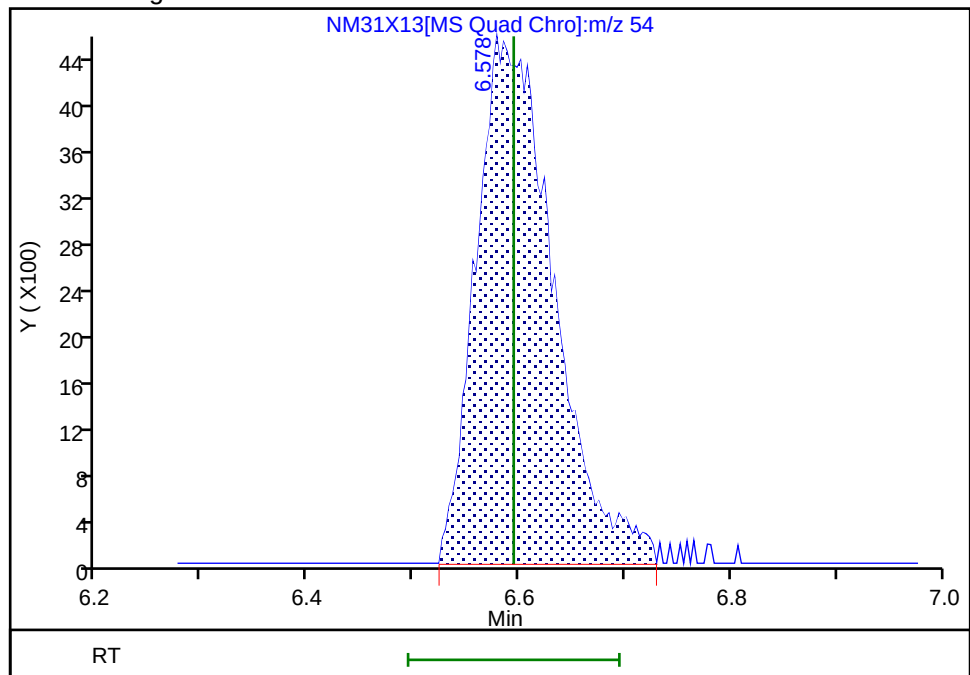
Not Detected
Expected RT: 6.59

Processing Integration Results



RT: 6.58
Area: 23350
Amount: 18.439156
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:36:59 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

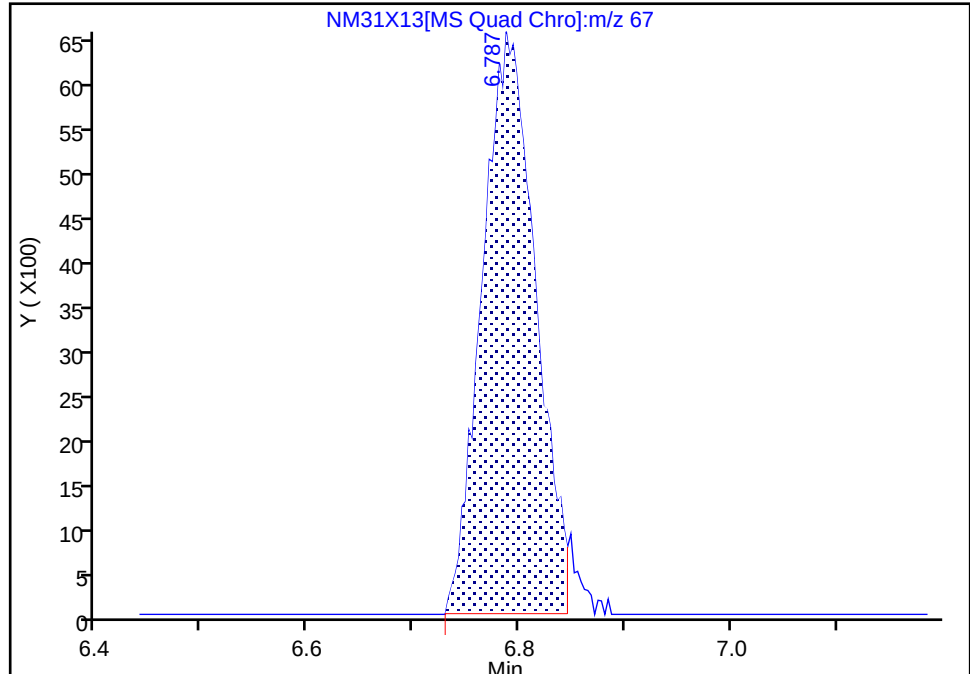
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X13.D
Injection Date: 31-Mar-2025 15:02:51 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

47 Methacrylonitrile, CAS: 126-98-7

Signal: 1

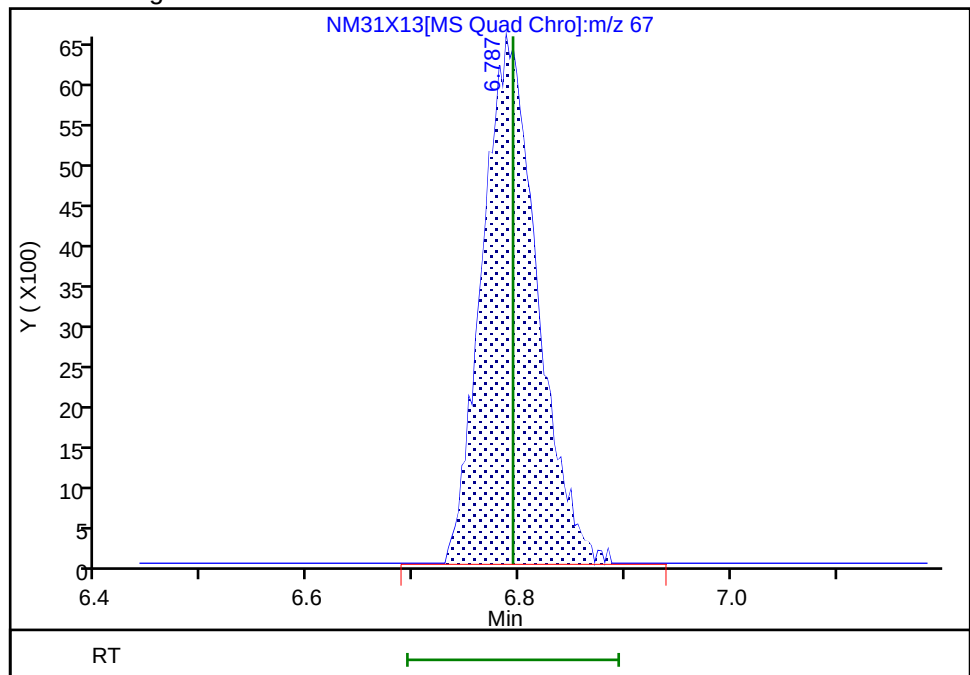
RT: 6.79
Area: 22774
Amount: 8.625163
Amount Units: ug/l

Processing Integration Results



RT: 6.79
Area: 23440
Amount: 8.985030
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:37:07 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

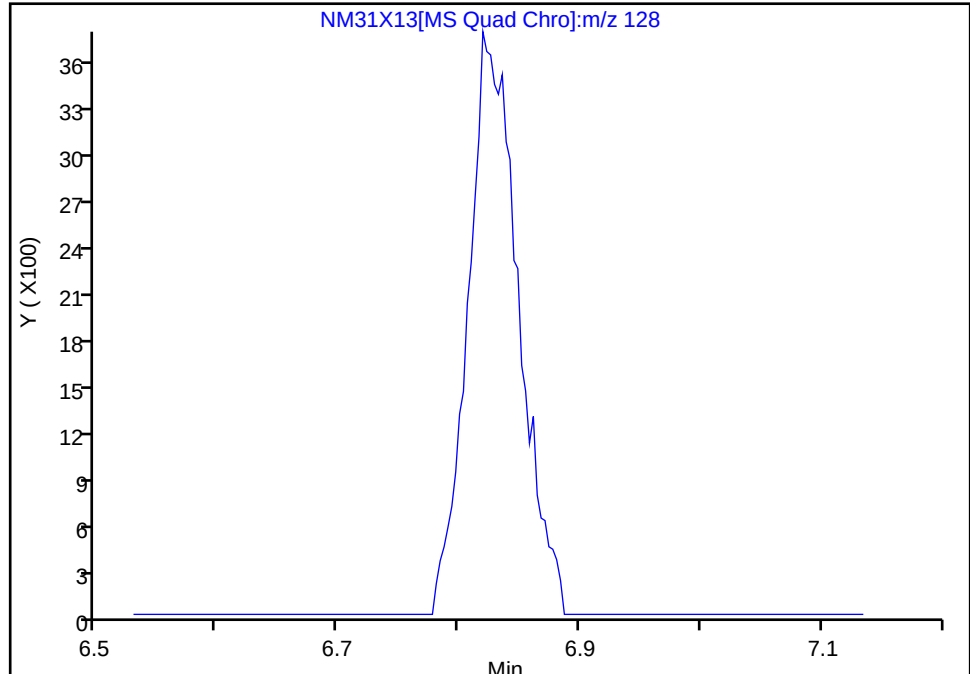
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X13.D
Injection Date: 31-Mar-2025 15:02:51 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

48 Chlorobromomethane, CAS: 74-97-5

Signal: 1

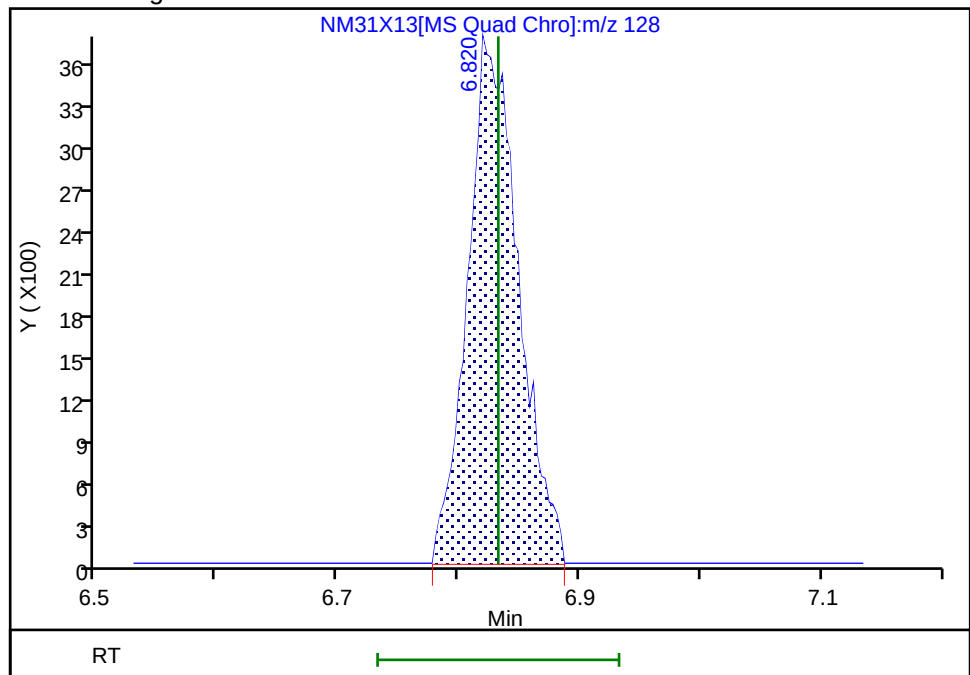
Not Detected
Expected RT: 6.83

Processing Integration Results



RT: 6.82
Area: 10851
Amount: 3.836705
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:37:11 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

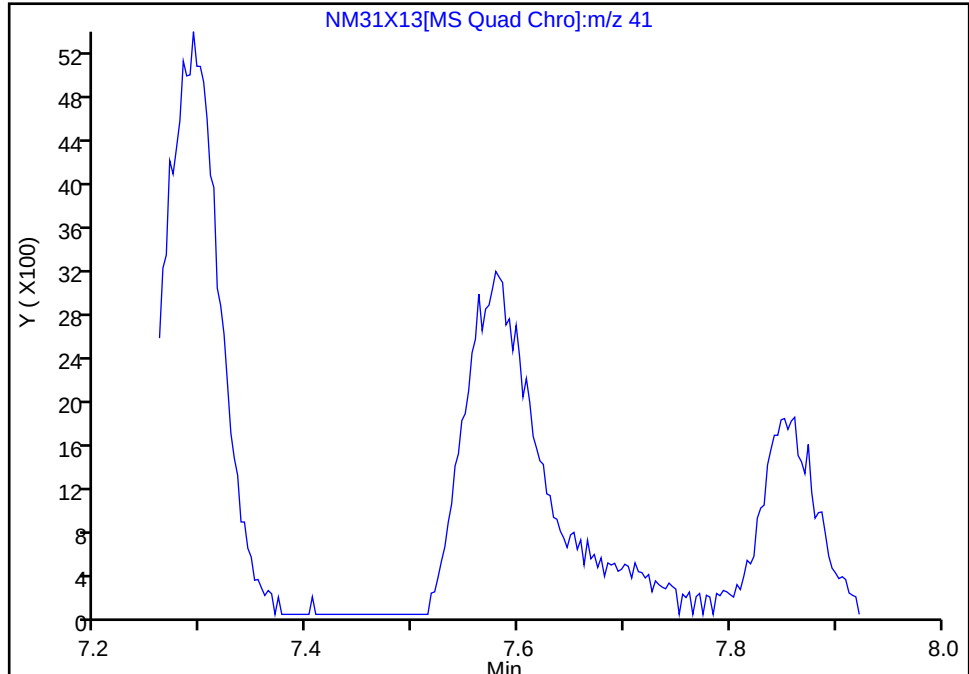
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X13.D
Injection Date: 31-Mar-2025 15:02:51 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) MS Quad

57 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

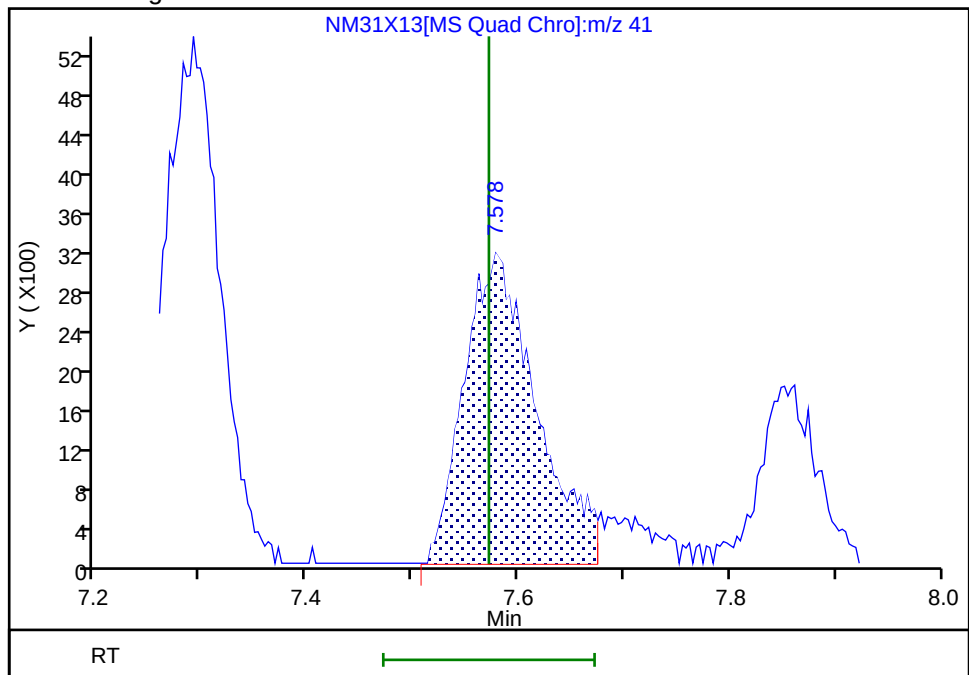
Not Detected
Expected RT: 7.57

Processing Integration Results



RT: 7.58
Area: 14772
Amount: 41.625219
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:37:17 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

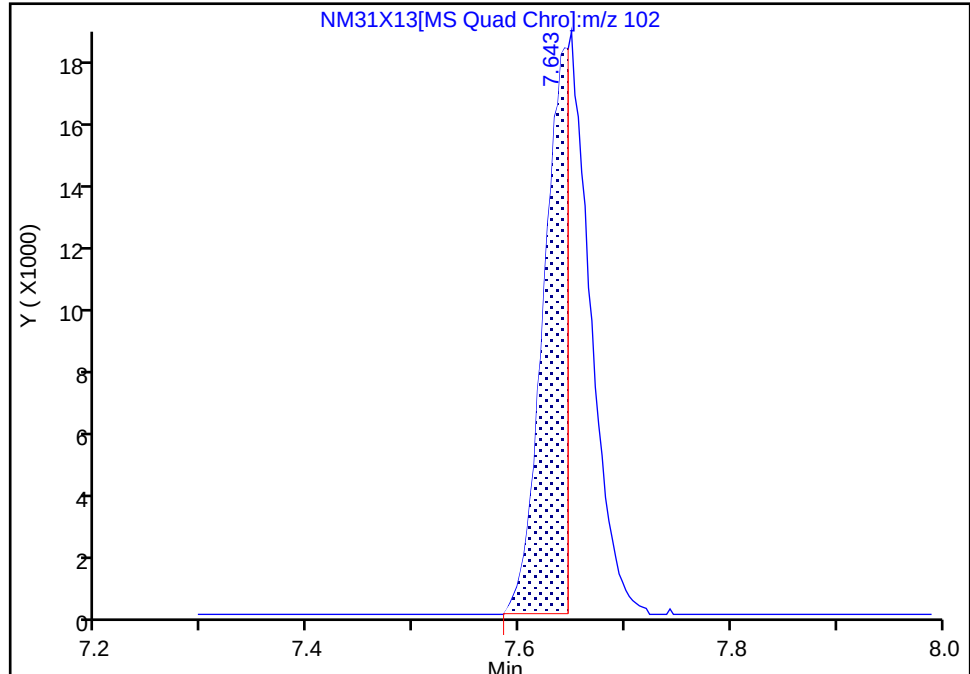
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X13.D
Injection Date: 31-Mar-2025 15:02:51 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

\$ 59 1,2-Dichloroethane-d4 (Surr), CAS: 17060-07-0

Signal: 1

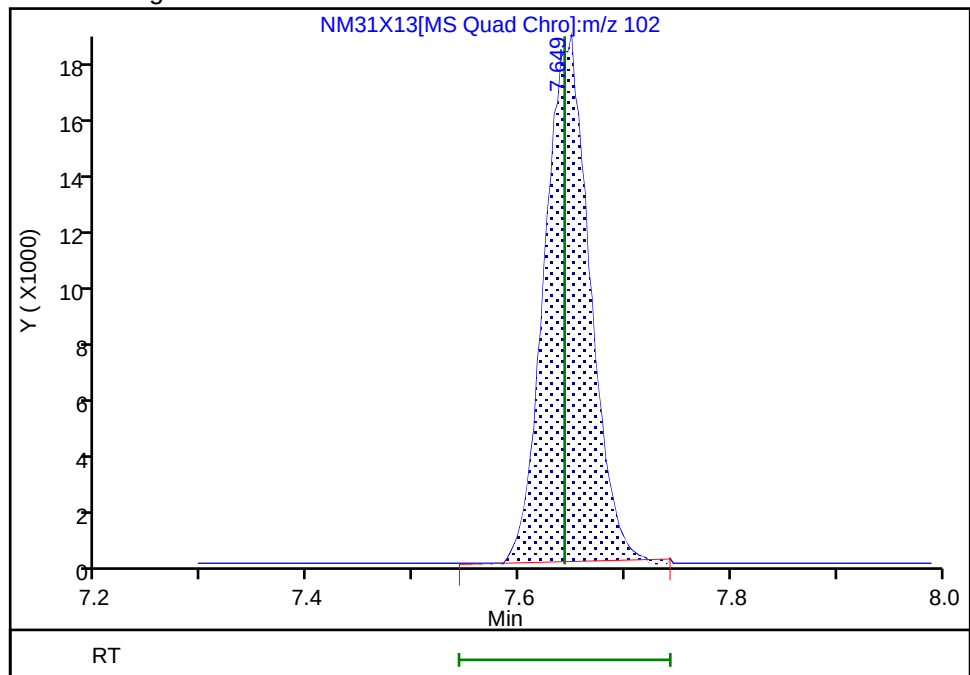
RT: 7.64
Area: 29114
Amount: 28.831927
Amount Units: ug/l

Processing Integration Results



RT: 7.65
Area: 52995
Amount: 49.159809
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:37:23 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

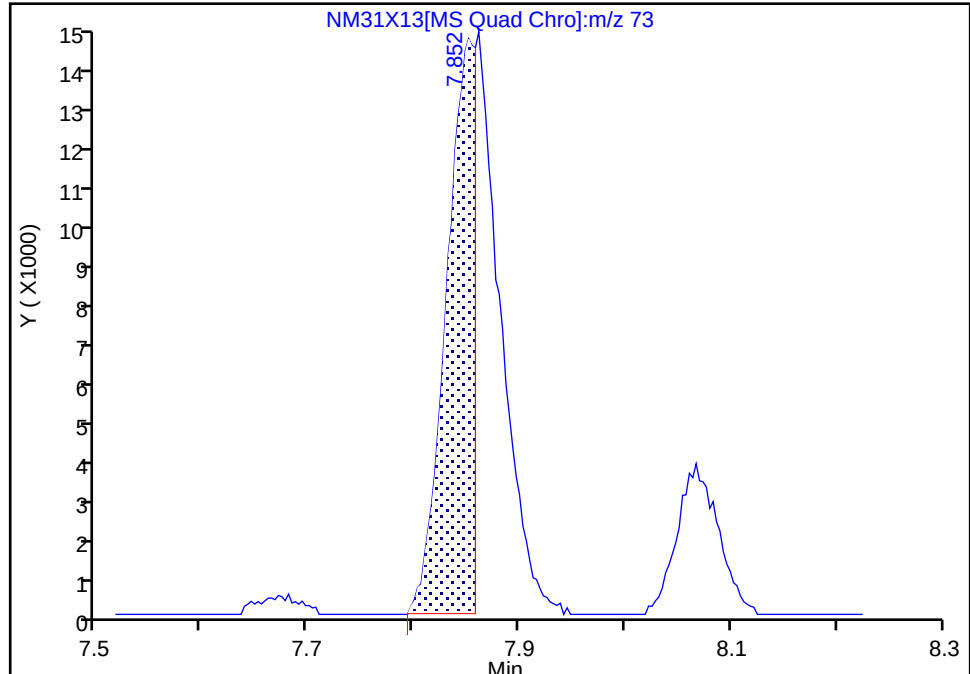
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X13.D
Injection Date: 31-Mar-2025 15:02:51 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

62 Tert-amyl methyl ether, CAS: 994-05-8

Signal: 1

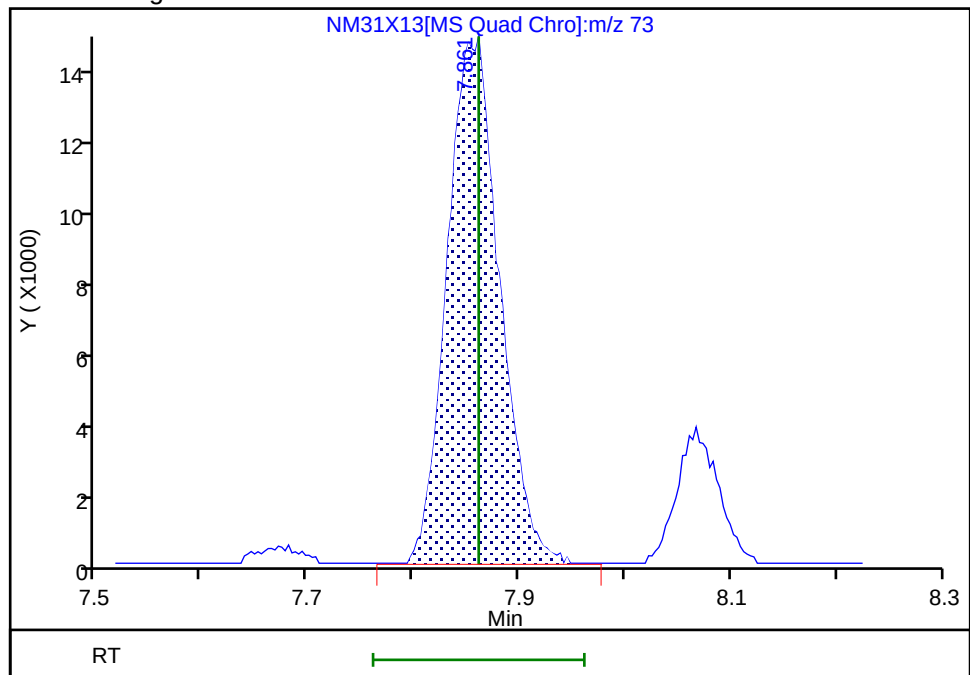
RT: 7.85
Area: 26880
Amount: 2.256375
Amount Units: ug/l

Processing Integration Results



RT: 7.86
Area: 48957
Amount: 3.557457
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:37:29 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

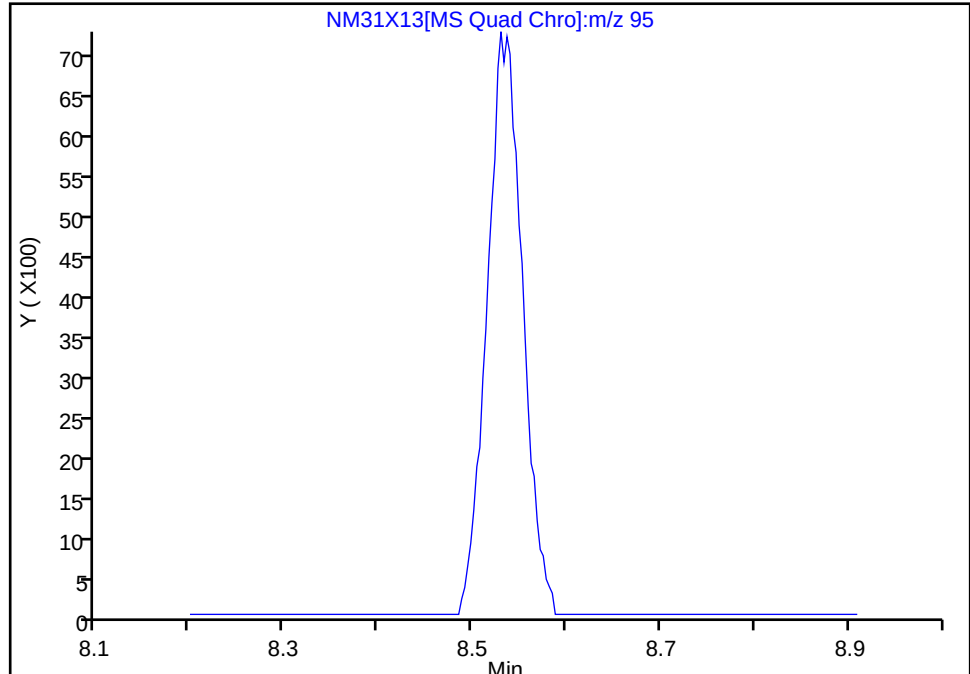
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X13.D
Injection Date: 31-Mar-2025 15:02:51 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

67 Trichloroethene, CAS: 79-01-6

Signal: 1

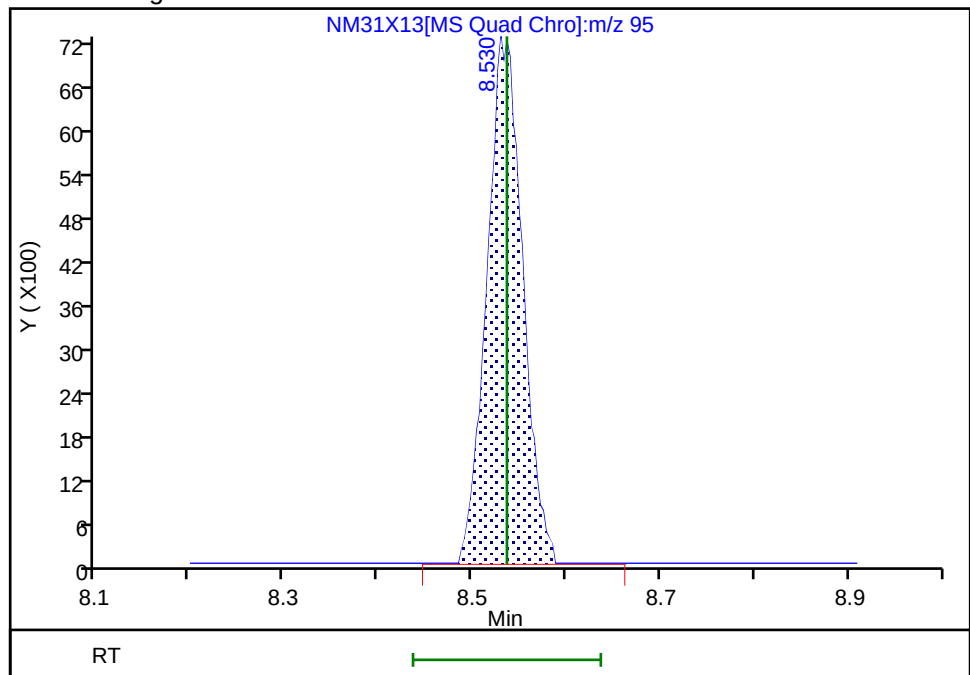
Not Detected
Expected RT: 8.54

Processing Integration Results



RT: 8.53
Area: 19098
Amount: 3.835556
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:37:37 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

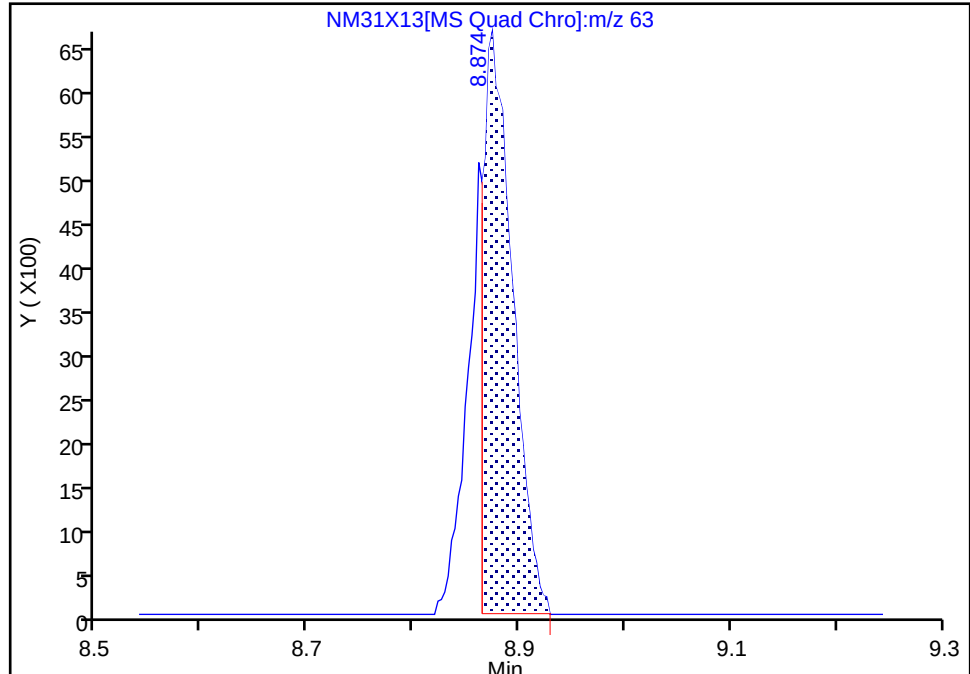
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\nm31X13.D
Injection Date: 31-Mar-2025 15:02:51 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

69 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

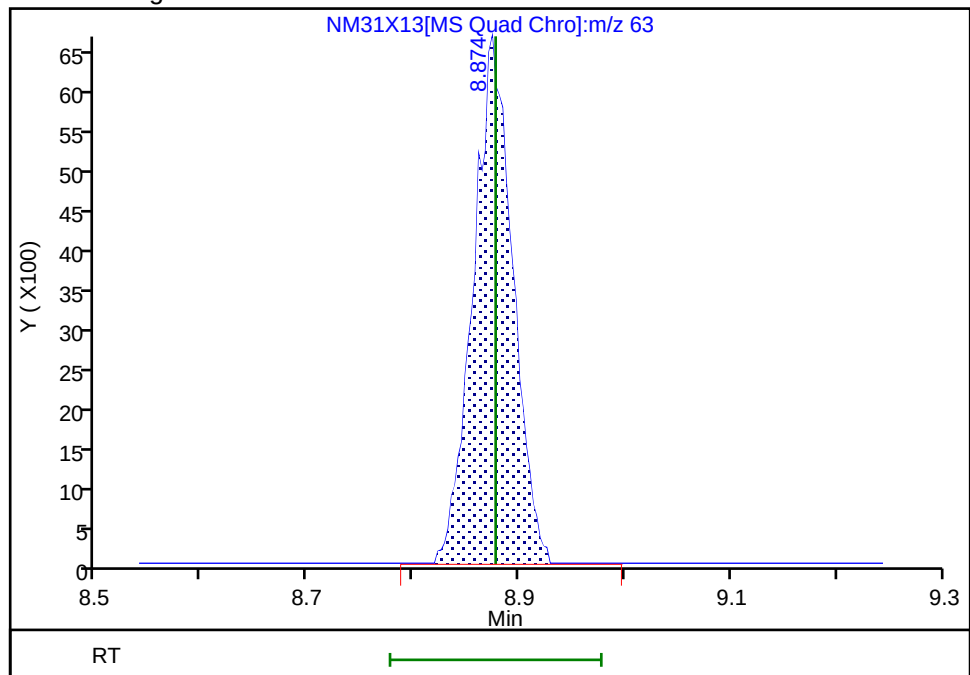
RT: 8.87
Area: 12841
Amount: 3.209710
Amount Units: ug/l

Processing Integration Results



RT: 8.87
Area: 17301
Amount: 3.739686
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:37:43 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

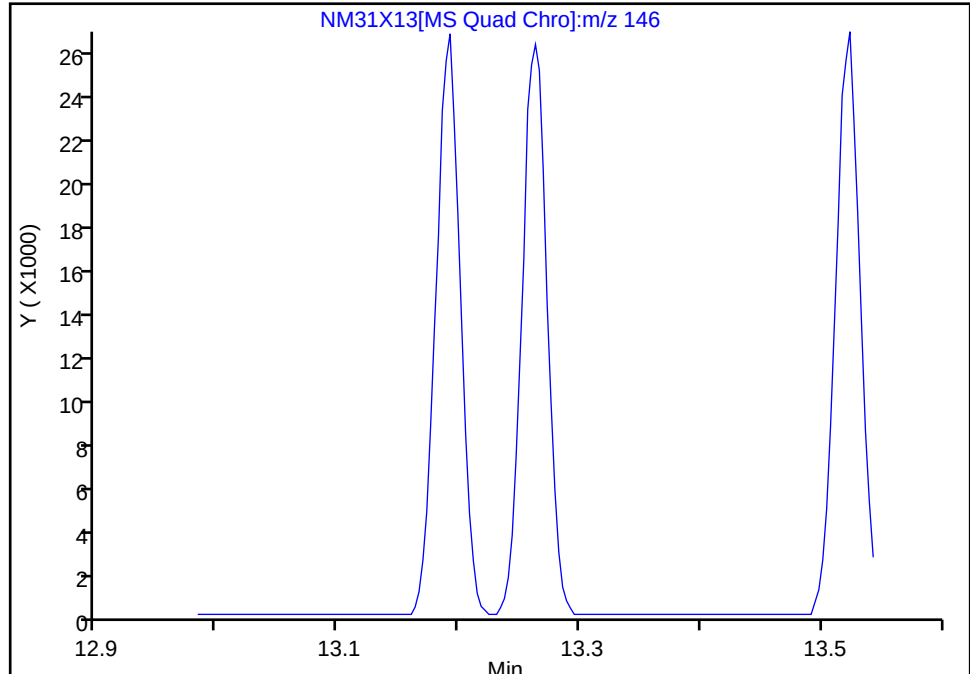
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X13.D
Injection Date: 31-Mar-2025 15:02:51 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

141 1,4-Dichlorobenzene, CAS: 106-46-7
Signal: 1

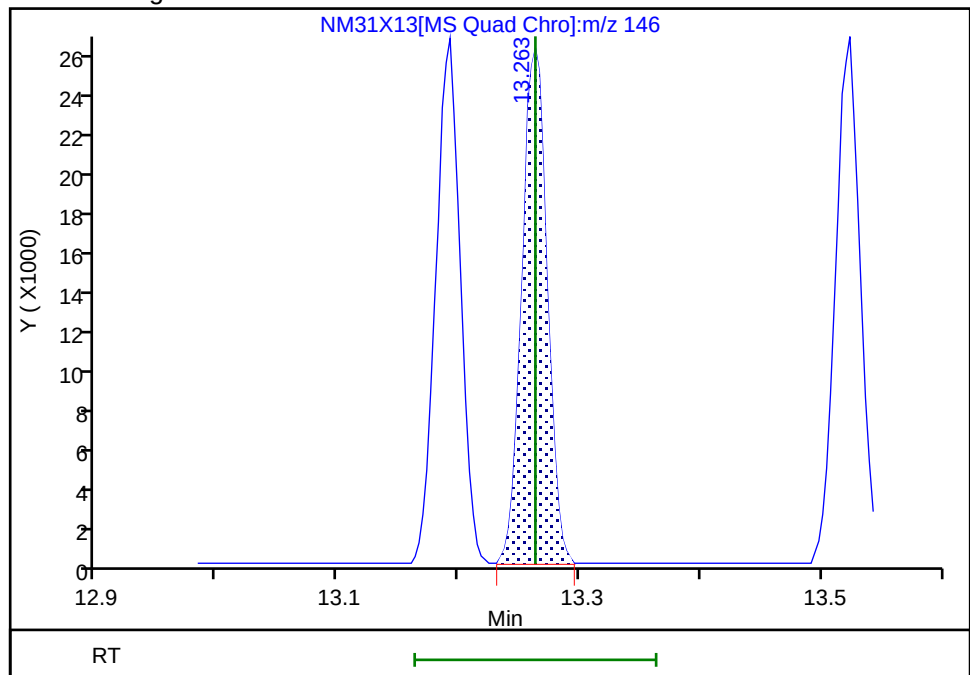
Not Detected
Expected RT: 13.26

Processing Integration Results



RT: 13.26
Area: 36976
Amount: 3.692195
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:37:58 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

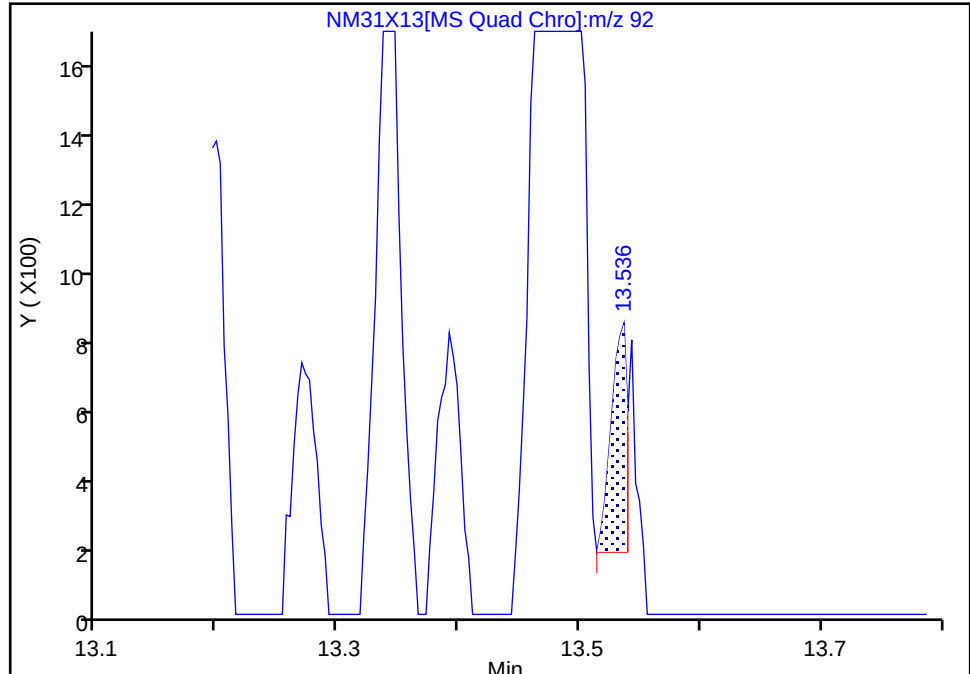
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X13.D
Injection Date: 31-Mar-2025 15:02:51 Instrument ID: 7159
Lims ID: IC v4
Client ID:
Operator ID: kas02648 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

146 n-Butylbenzene, CAS: 104-51-8

Signal: 1

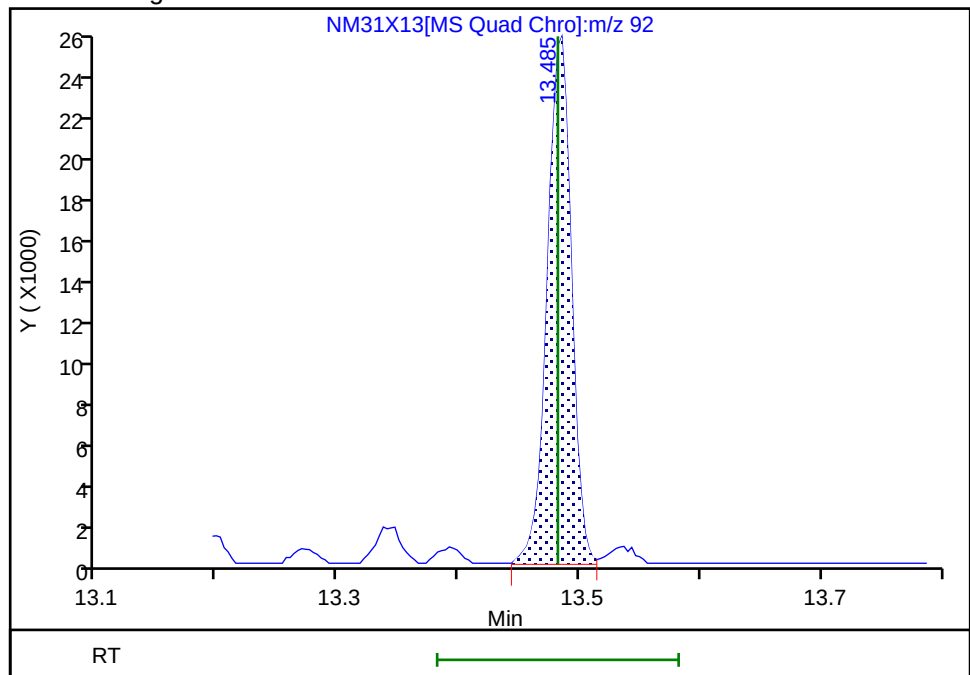
RT: 13.54
Area: 587
Amount: 0.093248
Amount Units: ug/l

Processing Integration Results



RT: 13.49
Area: 35171
Amount: 3.528469
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:38:08 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X14.D
 Lims ID: IC v10
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 31-Mar-2025 15:23:07 ALS Bottle#: 14 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0142514-014
 Operator ID: kas02648 Instrument ID: 7159
 Sublist: chrom-MSVoa_7159*sub31
 Method: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 31-Mar-2025 21:33:19 Calib Date: 31-Mar-2025 16:43:59
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1685

First Level Reviewer: UKAD

Date: 31-Mar-2025 17:35:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.057	2.067	-0.010	97	107740	10.0	11.7	
6 Chloromethane	50	2.273	2.276	-0.003	99	82317	10.0	11.7	
7 Vinyl chloride	62	2.392	2.408	-0.016	98	87852	10.0	11.7	
8 Butadiene	39	2.424	2.434	-0.010	91	71328	10.0	11.7	
10 Bromomethane	94	2.787	2.794	-0.007	92	83357	10.0	11.4	
11 Chloroethane	64	2.861	2.871	-0.010	100	59109	10.0	11.6	
12 Dichlorofluoromethane	67	3.163	3.170	-0.007	97	170320	10.0	11.5	
13 Trichlorofluoromethane	101	3.215	3.231	-0.016	97	129801	10.0	11.7	M
14 Pentane	43	3.234	3.244	-0.010	97	87186	10.0	9.92	
16 Ethanol	45	3.424	3.434	-0.010	95	47812	500.0	512.2	
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.598	3.614	-0.016	91	79796	10.0	11.7	
18 Acrolein	56	3.681	3.685	-0.004	99	181997	97.6	106.7	
19 1,1-Dichloroethene	96	3.845	3.839	0.006	97	52388	10.0	10.2	Ma
21 Acetone	58	3.890	3.874	0.016	87	17662	20.0	21.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.874	3.874	0.000	91	66829	10.0	10.3	
23 Iodomethane	142	4.061	4.067	-0.006	98	106785	10.0	10.3	M
24 Isopropyl alcohol	45	4.067	4.067	0.000	34	43957	50.0	49.2	
25 Carbon disulfide	76	4.196	4.205	-0.009	99	149334	10.0	9.60	
26 Methyl acetate	43	4.337	4.340	-0.003	97	48146	10.0	9.85	
27 3-Chloro-1-propene	41	4.356	4.363	-0.007	92	61625	10.0	9.61	
28 Methylene Chloride	84	4.585	4.594	-0.009	93	62343	10.0	10.3	Ma
* 29 t-Butyl alcohol-d10 (IS)	65	4.636	4.636	0.000	97	333015	250.0	250.0	
30 2-Methyl-2-propanol	59	4.765	4.771	-0.006	28	58997	50.0	48.6	M
32 Acrylonitrile	53	4.948	4.948	0.000	100	73501	25.0	25.9	
33 Methyl tert-butyl ether	73	4.980	4.987	-0.007	94	152060	10.0	10.1	
34 trans-1,2-Dichloroethene	96	4.990	4.996	-0.006	100	52046	10.0	10.5	
36 Hexane	57	5.421	5.421	0.000	91	67926	10.0	10.3	M
37 1,1-Dichloroethane	63	5.665	5.672	-0.007	96	83981	10.0	10.3	
38 Isopropyl ether	45	5.726	5.729	-0.003	93	140879	10.0	10.2	
39 2-Chloro-1,3-butadiene	53	5.774	5.775	0.000	90	65454	10.0	10.3	a
S 42 1,2-Dichloroethene, Total	100				0			20.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	6.263	6.263	0.000	97	143470	10.0	10.0	M
43 2-Butanone (MEK)	43	6.488	6.485	0.003	99	70880	20.0	21.1	a
44 cis-1,2-Dichloroethene	96	6.501	6.501	0.000	79	60058	10.0	10.4	
45 2,2-Dichloropropane	77	6.517	6.520	-0.003	87	75638	10.0	10.1	
46 Propionitrile	54	6.594	6.594	0.000	96	65306	50.0	51.1	
183 Methyl acrylate	55	6.601	6.607	-0.006	98	58158	10.0	9.66	
47 Methacrylonitrile	67	6.790	6.794	-0.004	84	67352	25.0	25.4	a
48 Chlorobromomethane	128	6.832	6.832	0.000	92	30335	10.0	10.5	
49 Tetrahydrofuran	71	6.835	6.842	-0.007	89	55395	50.0	50.7	
50 Chloroform	83	6.970	6.980	-0.010	93	89645	10.0	10.5	
\$ 51 Dibromofluoromethane (Surr)	113	7.189	7.192	-0.003	94	225355	50.0	51.1	
52 1,1,1-Trichloroethane	97	7.202	7.205	-0.003	97	84457	10.0	10.1	
53 Cyclohexane	56	7.295	7.292	0.003	89	99698	10.0	10.2	
56 Carbon tetrachloride	117	7.401	7.408	-0.007	79	68942	10.0	9.94	
55 1,1-Dichloropropene	75	7.405	7.411	-0.006	96	67747	10.0	10.2	
57 Isobutyl alcohol	41	7.572	7.572	0.000	94	40864	125.0	114.0	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.642	7.643	-0.001	0	55029	50.0	50.1	
60 Benzene	78	7.671	7.675	-0.004	95	203653	10.0	10.3	
61 1,2-Dichloroethane	62	7.742	7.752	-0.010	98	63216	10.0	10.3	
62 Tert-amyl methyl ether	73	7.855	7.861	-0.006	98	138554	10.0	9.89	
64 n-Heptane	43	8.064	8.070	-0.006	47	57597	10.0	10.3	
* 63 Fluorobenzene (IS)	96	8.073	8.073	0.000	99	836977	50.0	50.0	
66 n-Butanol	56	8.437	8.434	0.003	90	29251	125.0	100.7	
67 Trichloroethene	95	8.536	8.536	0.000	98	51113	10.0	10.1	
178 Ethyl acrylate	55	8.652	8.655	-0.003	99	49968	10.0	8.90	
68 Methylcyclohexane	83	8.839	8.839	0.000	89	105895	10.0	10.1	
70 2-ethoxy-2-methyl butane	87	8.874	8.871	0.003	94	71638	10.0	9.91	
69 1,2-Dichloropropane	63	8.871	8.877	-0.006	92	48245	10.0	10.2	
71 Methyl methacrylate	69	8.948	8.951	-0.003	88	34276	10.0	9.62	
72 1,4-Dioxane	88	8.964	8.961	0.003	43	13089	125.0	131.7	
73 Dibromomethane	93	8.980	8.983	-0.003	96	31530	10.0	10.0	
75 Dichlorobromomethane	83	9.208	9.209	0.000	99	52573	10.0	9.57	
76 2-Nitropropane	41	9.482	9.482	0.000	99	65707	50.0	47.0	
78 2-Chloroethyl vinyl ether	63	9.549	9.549	0.000	91	29098	10.0	10.1	
79 cis-1,3-Dichloropropene	75	9.720	9.723	-0.003	97	64289	10.0	9.61	
80 4-Methyl-2-pentanone (MIBK)	43	9.890	9.890	0.000	95	129072	20.0	20.6	
\$ 81 Toluene-d8 (Surr)	98	10.009	10.012	-0.003	93	793337	50.0	51.2	
S 104 1,3-Dichloropropene, Total	100				0			19.4	
82 Toluene	92	10.083	10.083	0.000	99	117039	10.0	10.3	
105 trans-1,3-Dichloropropene	75	10.327	10.327	0.000	91	52955	10.0	9.74	
106 Ethyl methacrylate	69	10.379	10.382	-0.003	88	53763	10.0	9.61	
107 1,1,2-Trichloroethane	97	10.523	10.524	-0.001	90	40810	10.0	10.3	
108 Tetrachloroethene	166	10.597	10.601	-0.004	97	52869	10.0	10.4	
109 1,3-Dichloropropane	76	10.681	10.681	0.000	89	66761	10.0	10.2	
110 2-Hexanone	43	10.732	10.729	0.003	95	83445	20.0	21.0	
111 Chlorodibromomethane	129	10.884	10.884	0.000	90	36866	10.0	9.48	
112 Ethylene Dibromide	107	10.996	10.996	0.000	98	41337	10.0	10.2	
S 113 Xylenes, Total	106				0			31.2	
* 114 Chlorobenzene-d5 (IS)	117	11.408	11.408	0.000	85	595818	50.0	50.0	
115 1-Chlorohexane	91	11.411	11.411	0.000	96	60946	10.0	10.0	
116 Chlorobenzene	112	11.433	11.434	-0.001	97	130408	10.0	10.2	
117 1,1,1,2-Tetrachloroethane	131	11.511	11.514	-0.003	94	48739	10.0	10.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
118 Ethylbenzene	91	11.514	11.514	0.000	98	225215	10.0	10.3	
119 m-Xylene & p-Xylene	106	11.623	11.623	0.000	0	176622	20.0	20.8	
272 n-Butyl acrylate	55	11.890	11.890	0.000	96	56240	10.0	8.54	
120 o-Xylene	106	11.948	11.945	0.003	96	93619	10.0	10.5	
121 Styrene	104	11.964	11.961	0.003	94	125926	10.0	10.2	a
122 Bromoform	173	12.118	12.118	0.000	97	22528	10.0	10.6	
123 Isopropylbenzene	105	12.237	12.237	0.000	95	222235	10.0	10.4	
124 Cyclohexanone	55	12.327	12.324	0.003	91	84098	250.0	257.9	
\$ 125 4-Bromofluorobenzene (Surr)	95	12.379	12.379	0.000	89	289432	50.0	51.3	
126 1,1,2,2-Tetrachloroethane	83	12.478	12.479	-0.001	95	66871	10.0	9.75	
127 Bromobenzene	156	12.498	12.498	0.000	96	52760	10.0	9.67	
128 trans-1,4-Dichloro-2-butene	53	12.504	12.504	0.000	88	41995	25.0	24.8	
129 1,2,3-Trichloropropane	110	12.527	12.527	0.000	84	22163	10.0	9.89	
130 N-Propylbenzene	91	12.559	12.559	0.000	99	277163	10.0	10.2	
131 2-Chlorotoluene	126	12.636	12.636	0.000	97	57539	10.0	10.0	
132 1,3,5-Trimethylbenzene	105	12.691	12.691	0.000	94	203848	10.0	9.87	
133 4-Chlorotoluene	126	12.726	12.729	-0.003	97	53870	10.0	9.96	
134 tert-Butylbenzene	134	12.932	12.932	0.000	92	42239	10.0	9.76	
136 1,2,4-Trimethylbenzene	105	12.970	12.970	0.000	97	202033	10.0	9.92	
137 sec-Butylbenzene	105	13.093	13.089	0.003	94	266998	10.0	10.0	
138 1,3-Dichlorobenzene	146	13.192	13.189	0.003	97	103194	10.0	9.95	
139 4-Isopropyltoluene	119	13.195	13.196	-0.001	97	222987	10.0	9.92	
* 140 1,4-Dichlorobenzene-d4	152	13.244	13.244	0.000	96	328704	50.0	50.0	
141 1,4-Dichlorobenzene	146	13.263	13.263	0.000	95	101695	10.0	9.83	
142 1,2,3-Trimethylbenzene	105	13.273	13.273	0.000	99	216870	10.0	9.90	
143 Benzyl chloride	91	13.340	13.340	0.000	98	85499	10.0	8.42	
144 1,3-Diethylbenzene	119	13.392	13.392	0.000	95	122244	10.0	9.82	
145 p-Diethylbenzene	119	13.462	13.462	0.000	93	127051	10.0	9.90	
146 n-Butylbenzene	92	13.482	13.482	0.000	97	105010	10.0	10.2	a
147 1,2-Dichlorobenzene	146	13.520	13.520	0.000	98	102462	10.0	9.90	
148 o-diethylbenzene	119	13.536	13.536	0.000	95	109674	10.0	9.76	
150 1,2-Dibromo-3-Chloropropane	75	14.060	14.057	0.003	84	15164	10.0	9.26	
151 1,3,5-Trichlorobenzene	180	14.176	14.176	0.000	98	73700	10.0	9.73	
152 1,2,4-Trichlorobenzene	180	14.601	14.597	0.003	95	62567	10.0	9.54	
267 2-Ethylhexyl acrylate	55	14.652	14.652	0.000	83	34399	10.0	8.62	
153 Hexachlorobutadiene	225	14.681	14.678	0.003	97	26199	10.0	9.51	
154 Naphthalene	128	14.787	14.787	0.000	97	238891	10.0	9.88	
155 1,2,3-Trichlorobenzene	180	14.928	14.929	-0.001	96	65021	10.0	9.69	
156 2-Methylnaphthalene	142	15.581	15.581	0.000	92	113502	10.0	8.92	
S 165 Total Diethylbenzene	1				0			29.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00229	Amount Added: 2.00	Units: uL	
MSV_CCV_GASES_00998	Amount Added: 1.00	Units: uL	
MSV_CCV_VOC#3_00230	Amount Added: 1.60	Units: uL	
MSV_CCV_2CEVE_00221	Amount Added: 2.00	Units: uL	
MSV_CCV_OH_Sp_00020	Amount Added: 2.00	Units: uL	
MSV_CCV_CYC_00011	Amount Added: 8.00	Units: uL	
MSV_CCV_ETOH_00009	Amount Added: 8.00	Units: uL	
MSV_Cent_ISSS_00035	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 31-Mar-2025 21:33:20

Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X14.D

Injection Date: 31-Mar-2025 15:23:07

Instrument ID: 7159

Operator ID: kas02648

Lims ID: IC v10

Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

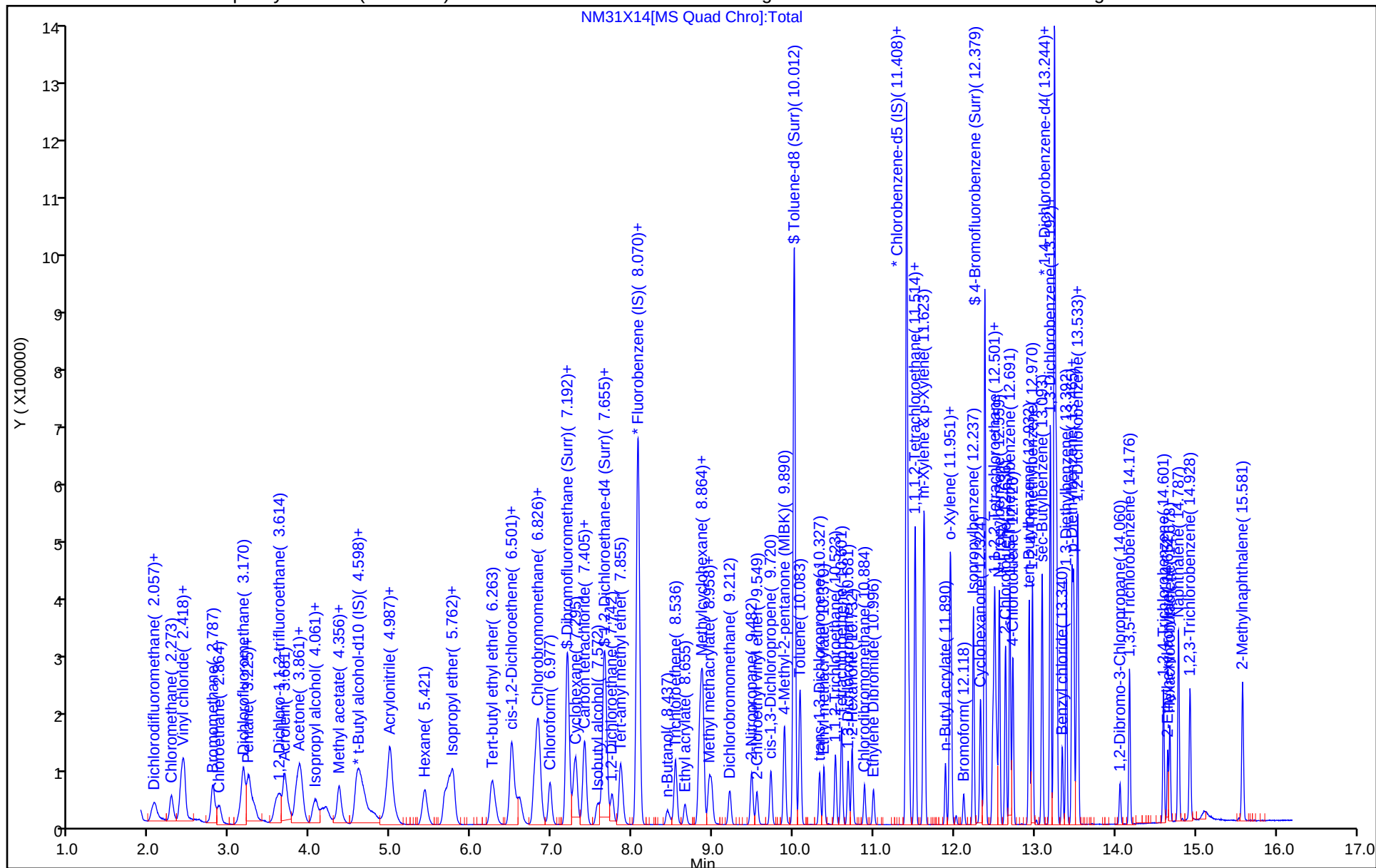
ALS Bottle#: 14

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC

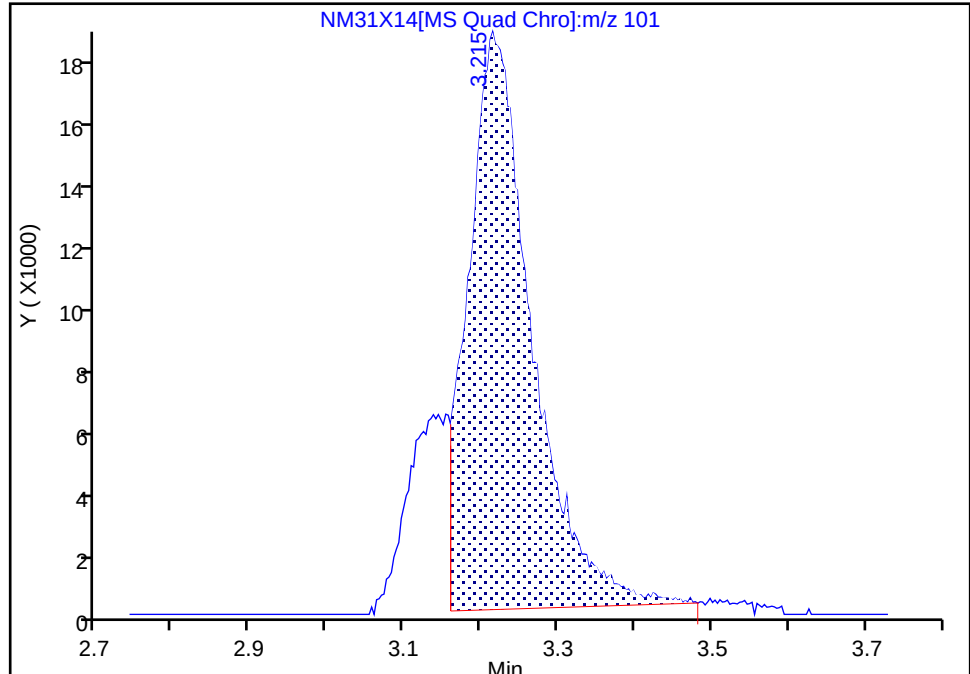
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X14.D
Injection Date: 31-Mar-2025 15:23:07 Instrument ID: 7159
Lims ID: IC v10
Client ID:
Operator ID: kas02648 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

13 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

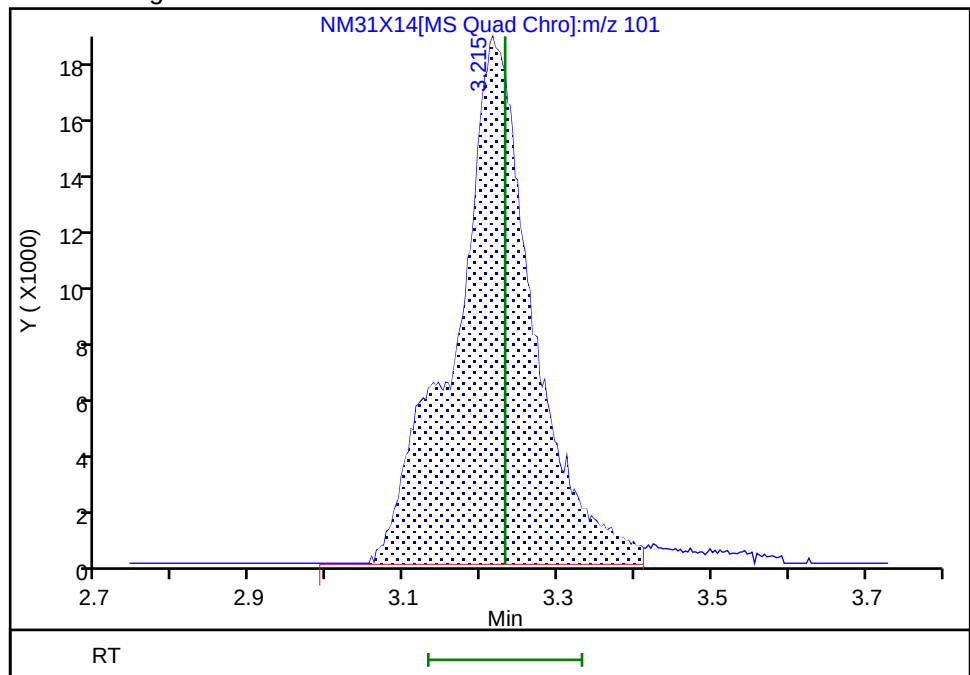
RT: 3.21
Area: 104508
Amount: 9.842342
Amount Units: ug/l

Processing Integration Results



RT: 3.21
Area: 129801
Amount: 11.651182
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:33:06 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

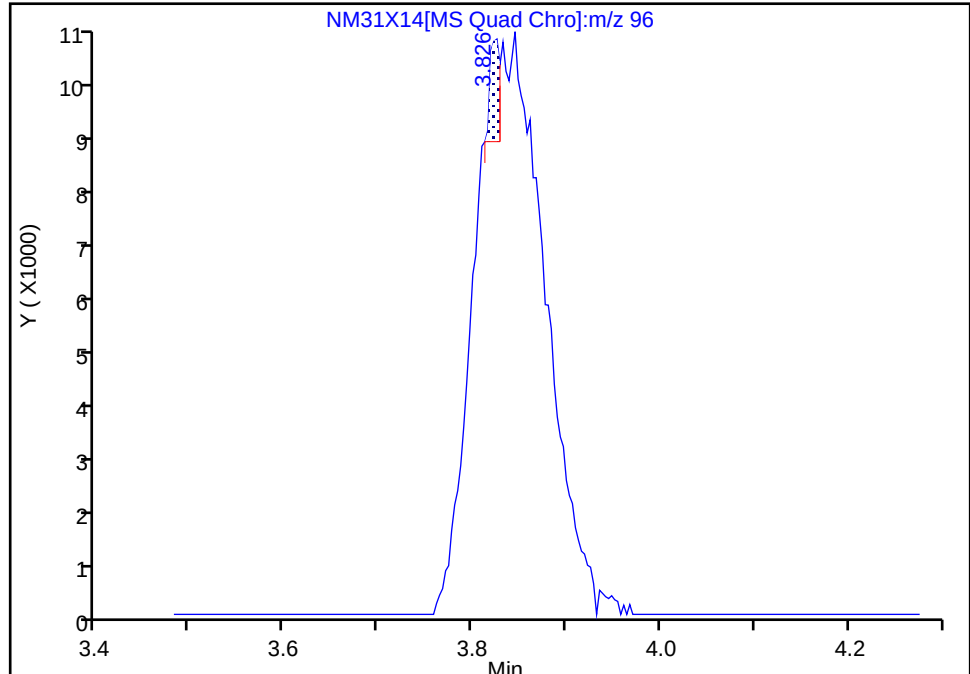
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X14.D
Injection Date: 31-Mar-2025 15:23:07 Instrument ID: 7159
Lims ID: IC v10
Client ID:
Operator ID: kas02648 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

19 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

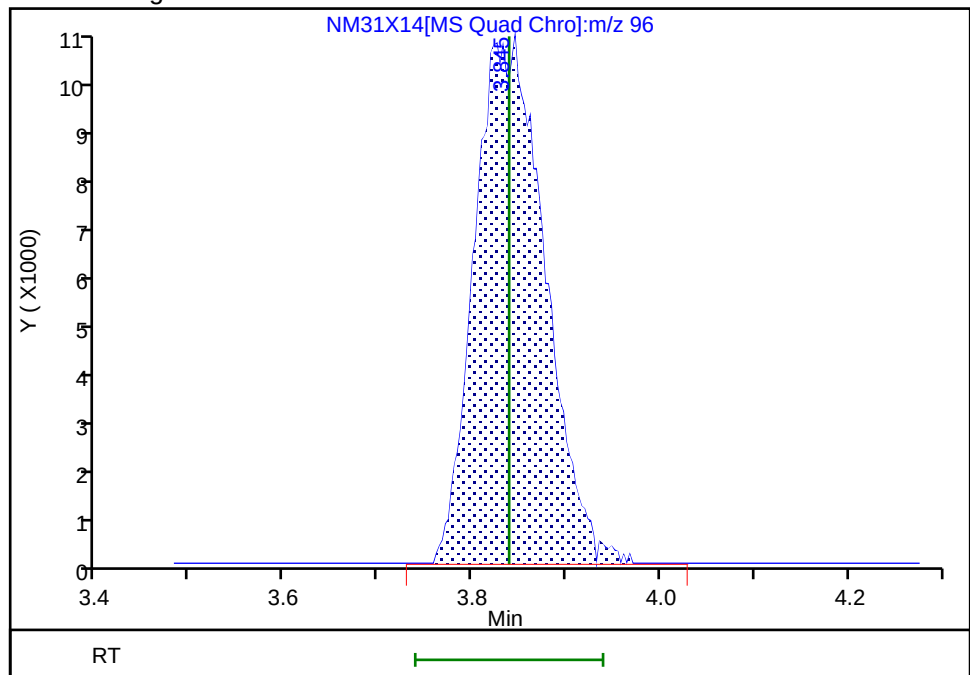
RT: 3.83
Area: 1277
Amount: 0.368594
Amount Units: ug/l

Processing Integration Results



RT: 3.85
Area: 52388
Amount: 10.161282
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:33:24 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

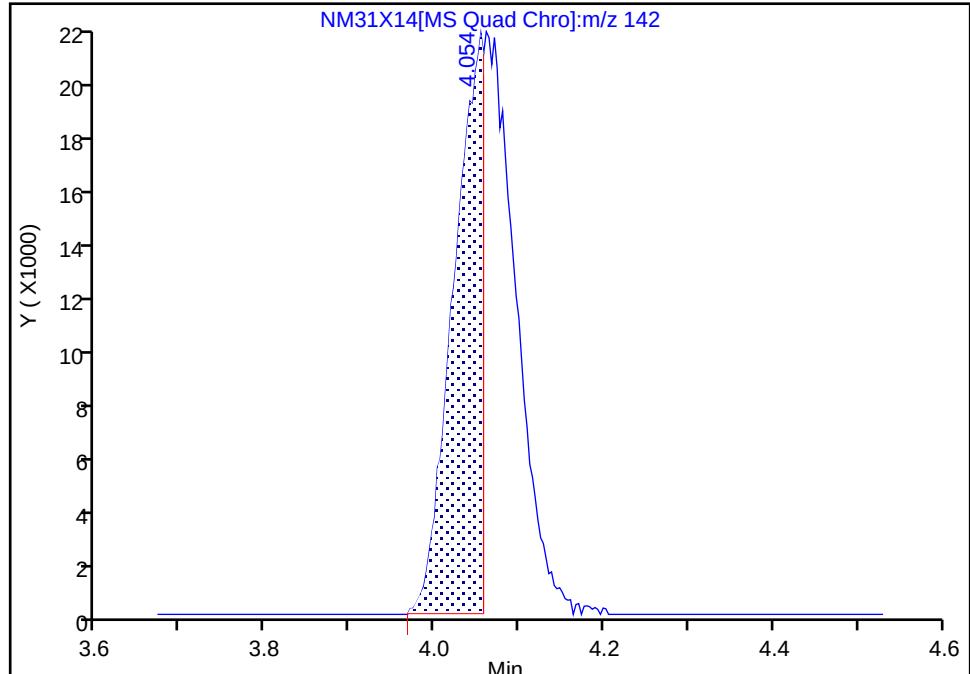
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X14.D
Injection Date: 31-Mar-2025 15:23:07 Instrument ID: 7159
Lims ID: IC v10
Client ID:
Operator ID: kas02648 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Iodomethane, CAS: 74-88-4

Signal: 1

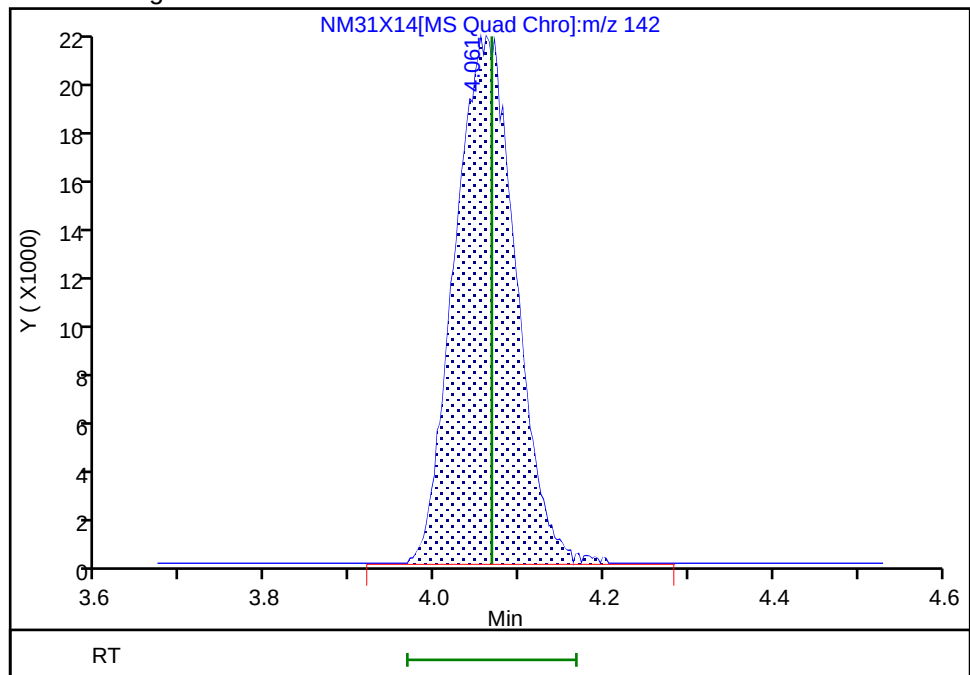
RT: 4.05
Area: 52203
Amount: 6.254935
Amount Units: ug/l

Processing Integration Results



RT: 4.06
Area: 106785
Amount: 10.272334
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:33:33 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

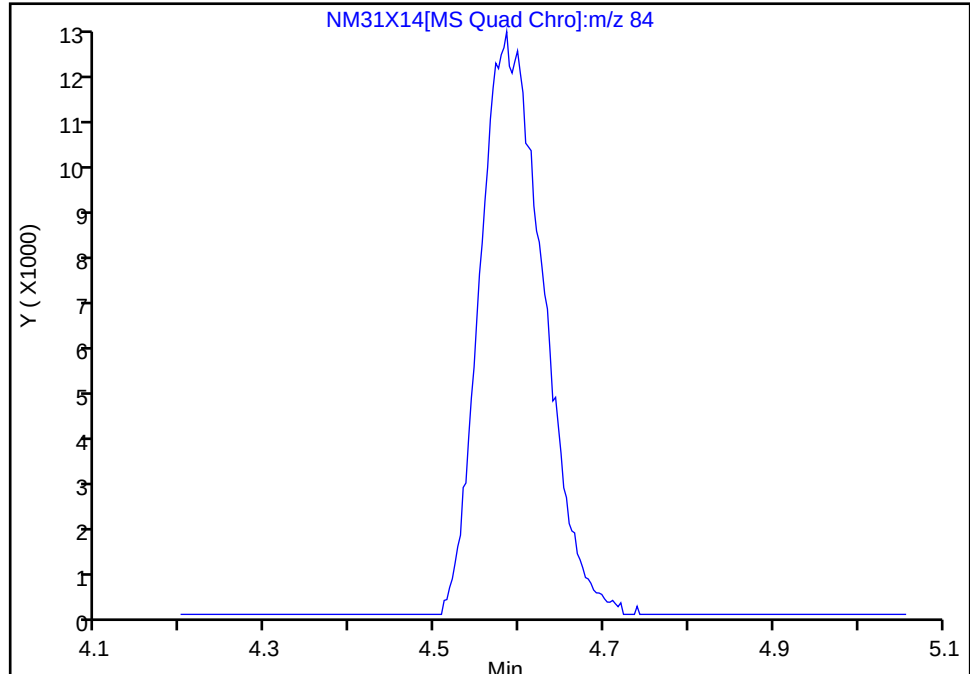
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X14.D
Injection Date: 31-Mar-2025 15:23:07 Instrument ID: 7159
Lims ID: IC v10
Client ID:
Operator ID: kas02648 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

28 Methylene Chloride, CAS: 75-09-2

Signal: 1

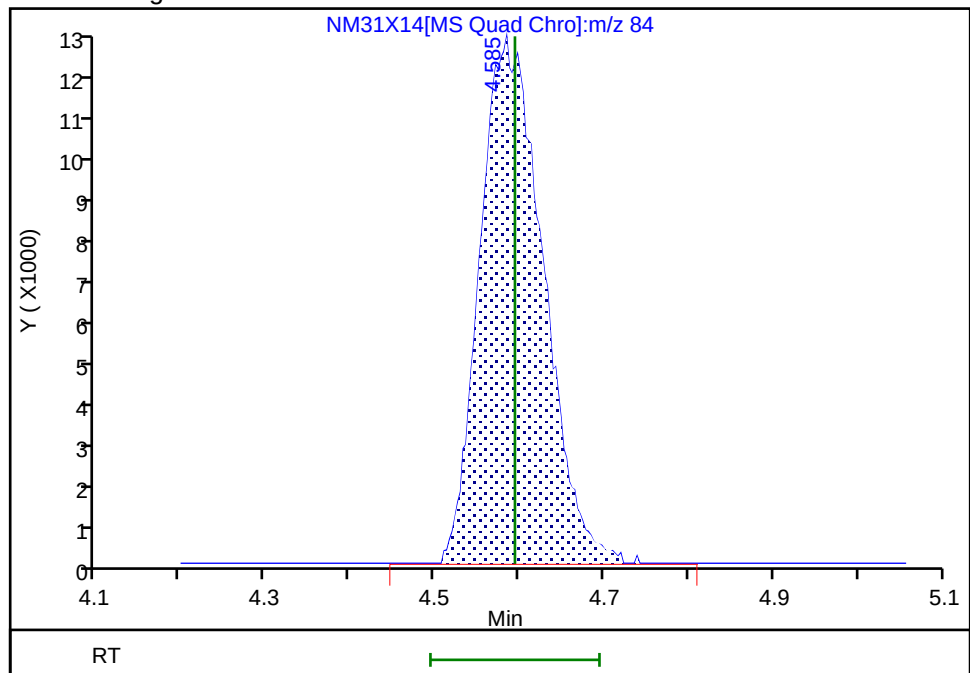
Not Detected
Expected RT: 4.59

Processing Integration Results



RT: 4.58
Area: 62343
Amount: 10.345971
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:33:47 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

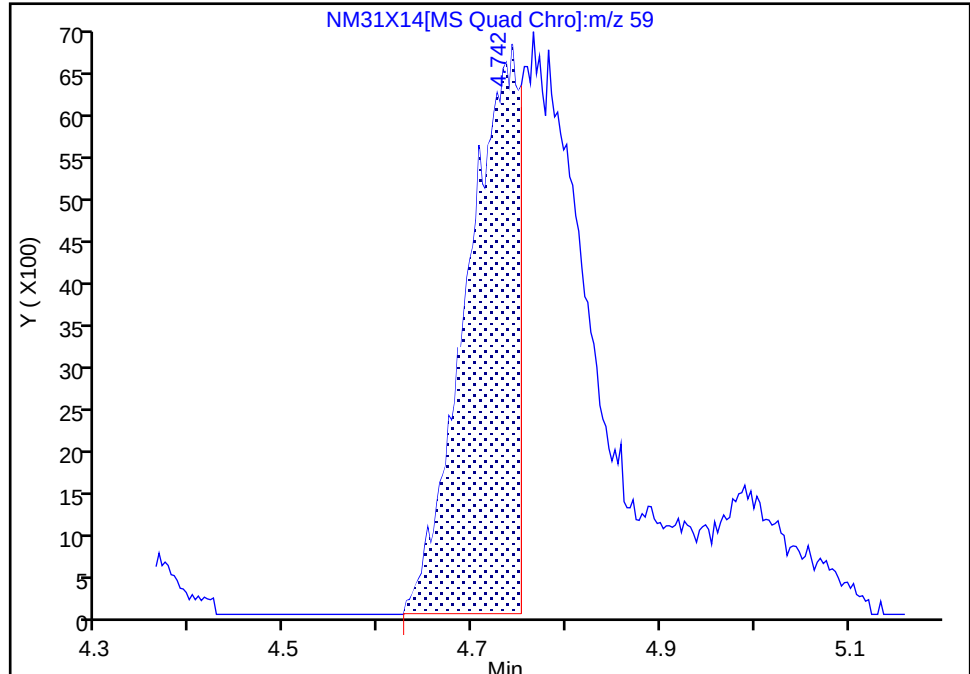
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X14.D
Injection Date: 31-Mar-2025 15:23:07 Instrument ID: 7159
Lims ID: IC v10
Client ID:
Operator ID: kas02648 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

30 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

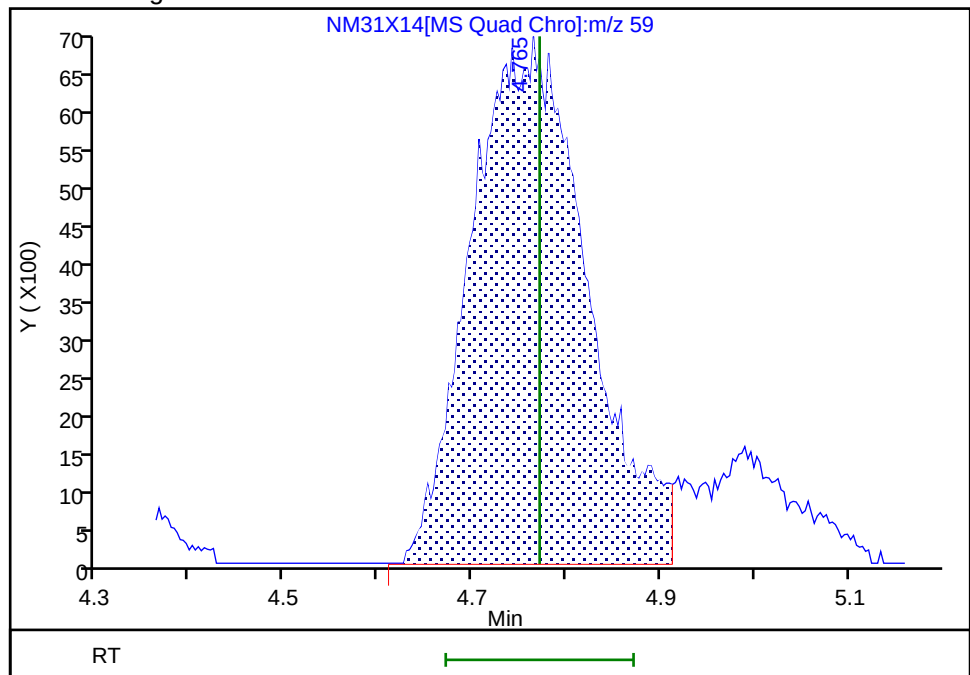
RT: 4.74
Area: 26239
Amount: 37.380718
Amount Units: ug/l

Processing Integration Results



RT: 4.76
Area: 58997
Amount: 48.561446
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:34:08 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Assign Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

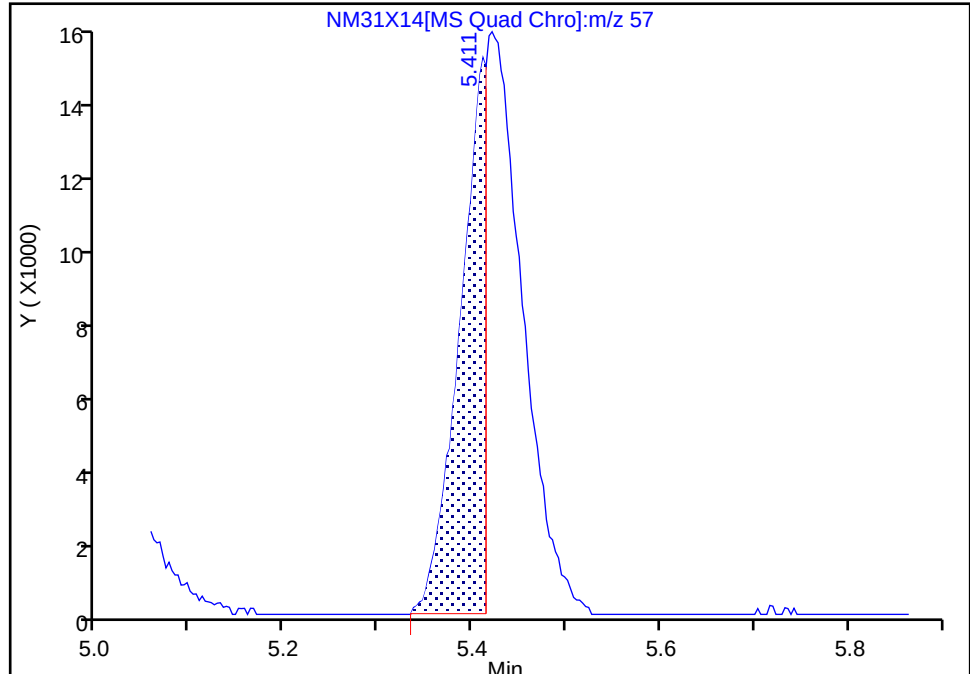
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X14.D
Injection Date: 31-Mar-2025 15:23:07 Instrument ID: 7159
Lims ID: IC v10
Client ID:
Operator ID: kas02648 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

36 Hexane, CAS: 110-54-3

Signal: 1

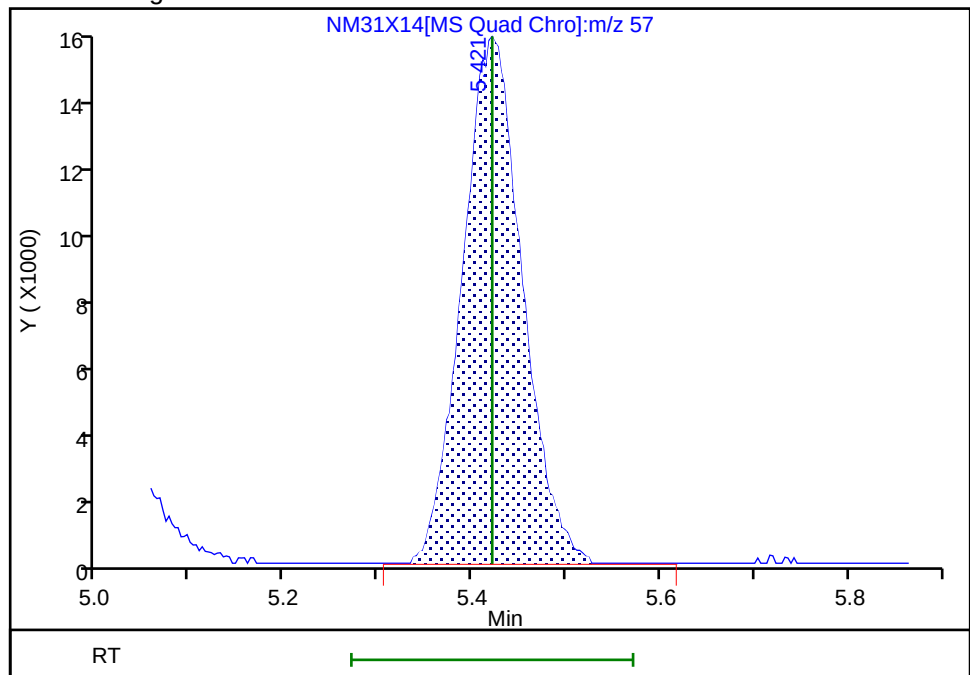
RT: 5.41
Area: 28764
Amount: 5.851069
Amount Units: ug/l

Processing Integration Results



RT: 5.42
Area: 67926
Amount: 10.346126
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:34:19 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

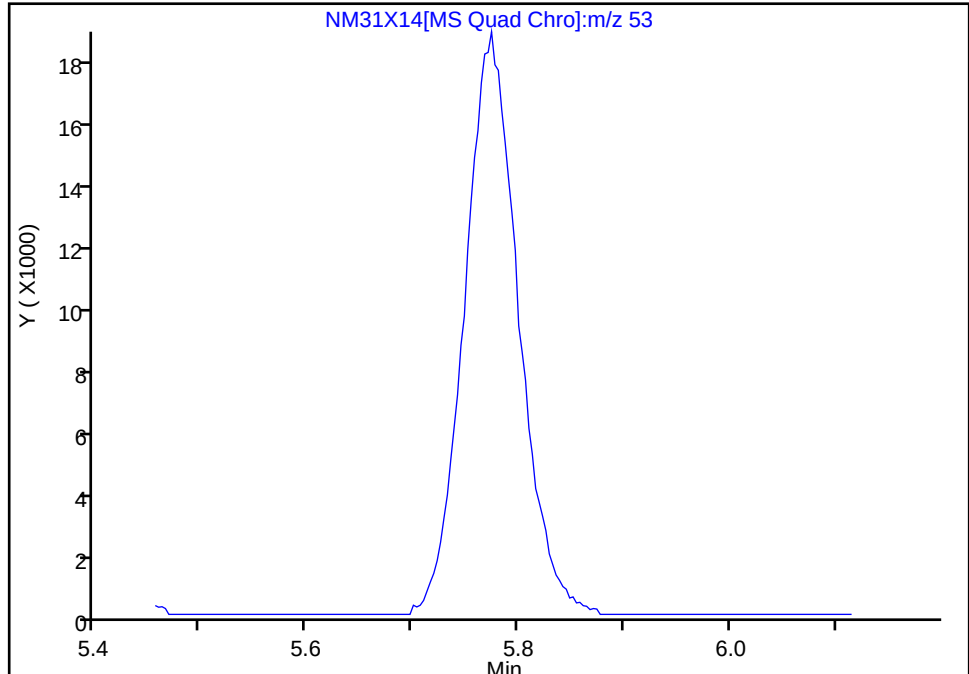
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X14.D
Injection Date: 31-Mar-2025 15:23:07 Instrument ID: 7159
Lims ID: IC v10
Client ID:
Operator ID: kas02648 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

39 2-Chloro-1,3-butadiene, CAS: 126-99-8

Signal: 1

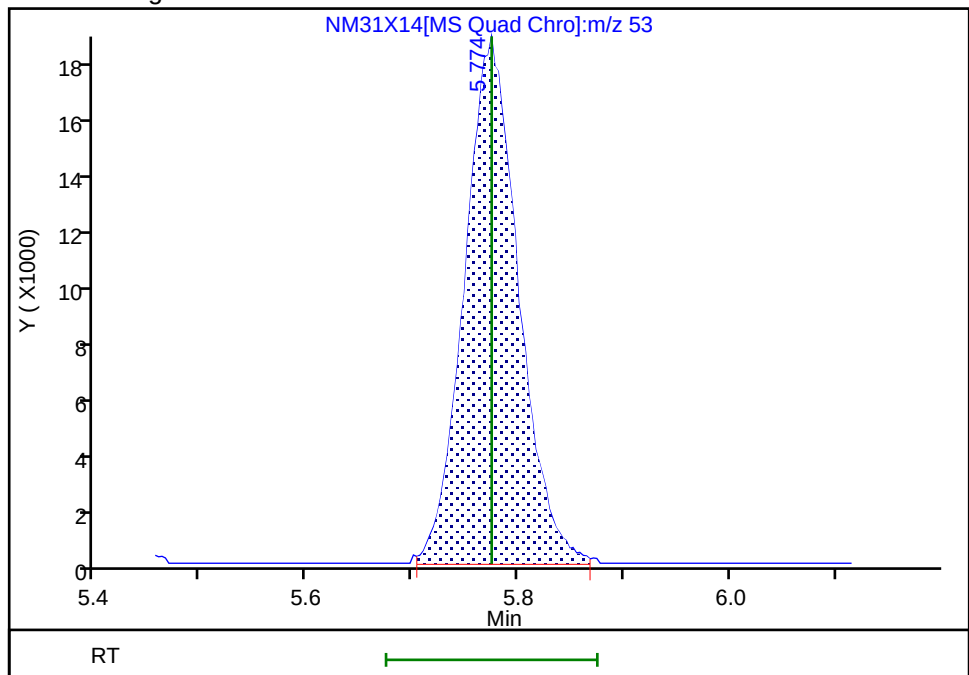
Not Detected
Expected RT: 5.77

Processing Integration Results



RT: 5.77
Area: 65454
Amount: 10.294019
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:34:23 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

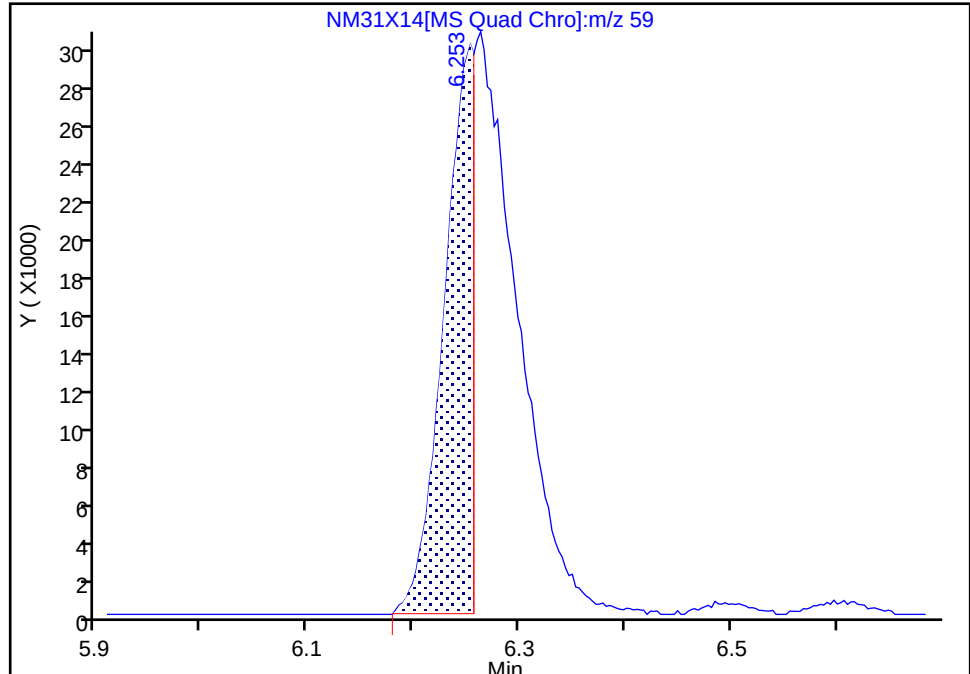
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X14.D
Injection Date: 31-Mar-2025 15:23:07 Instrument ID: 7159
Lims ID: IC v10
Client ID:
Operator ID: kas02648 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

41 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

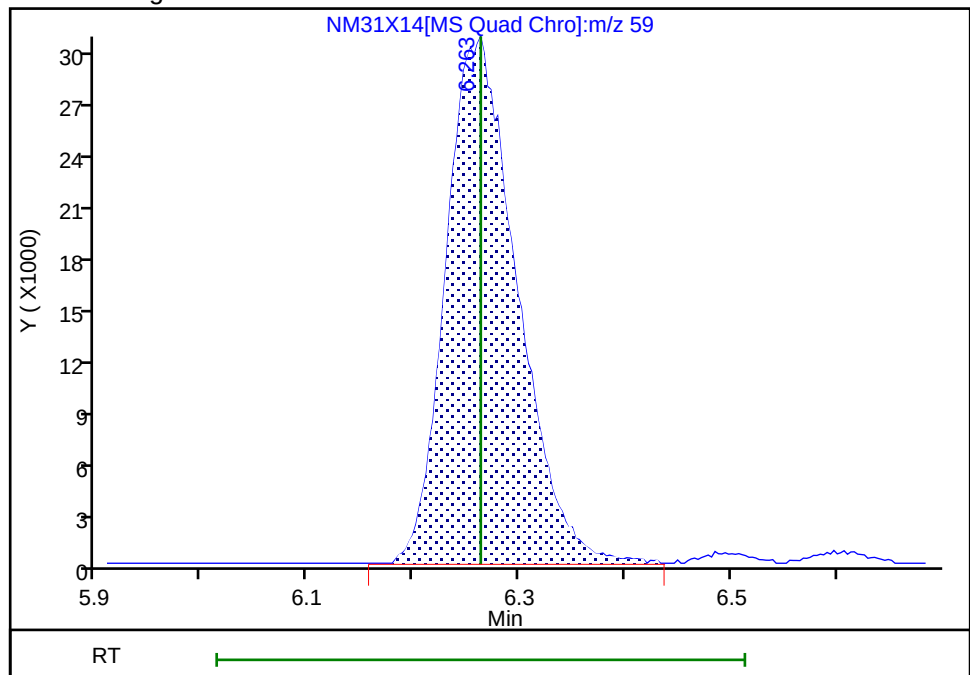
RT: 6.25
Area: 59182
Amount: 5.261133
Amount Units: ug/l

Processing Integration Results



RT: 6.26
Area: 143470
Amount: 10.017912
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:34:36 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

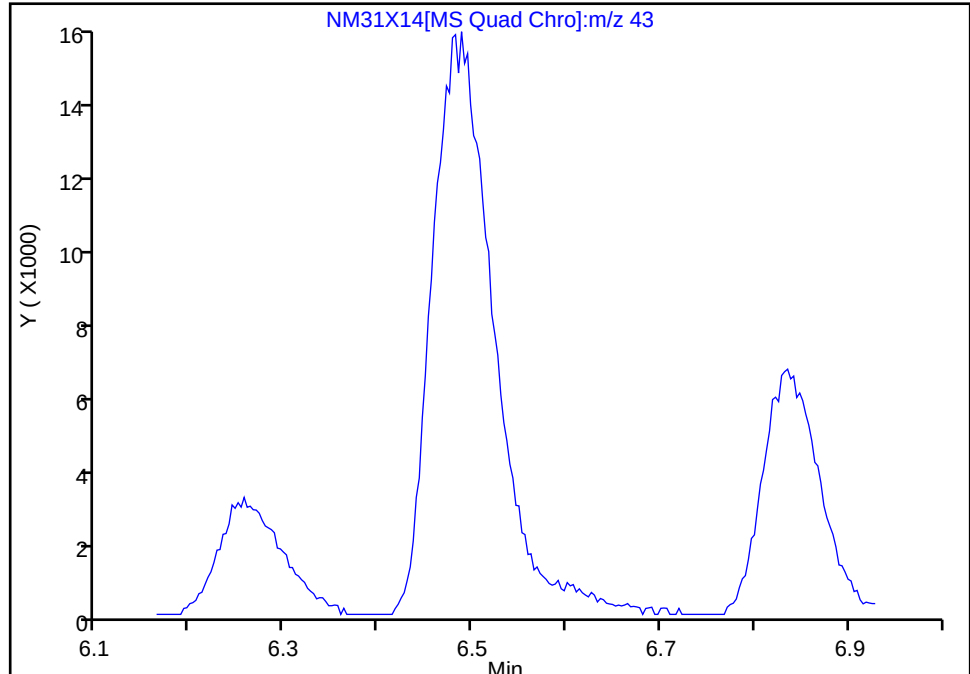
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X14.D
Injection Date: 31-Mar-2025 15:23:07 Instrument ID: 7159
Lims ID: IC v10
Client ID:
Operator ID: kas02648 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

43 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

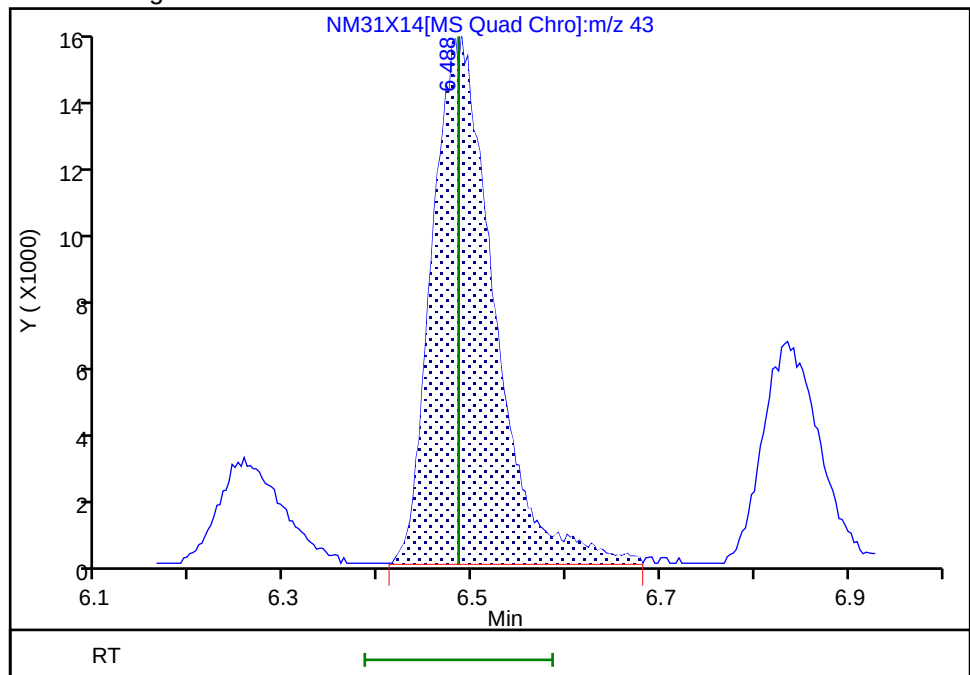
Not Detected
Expected RT: 6.49

Processing Integration Results



RT: 6.49
Area: 70880
Amount: 21.091866
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:34:39 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

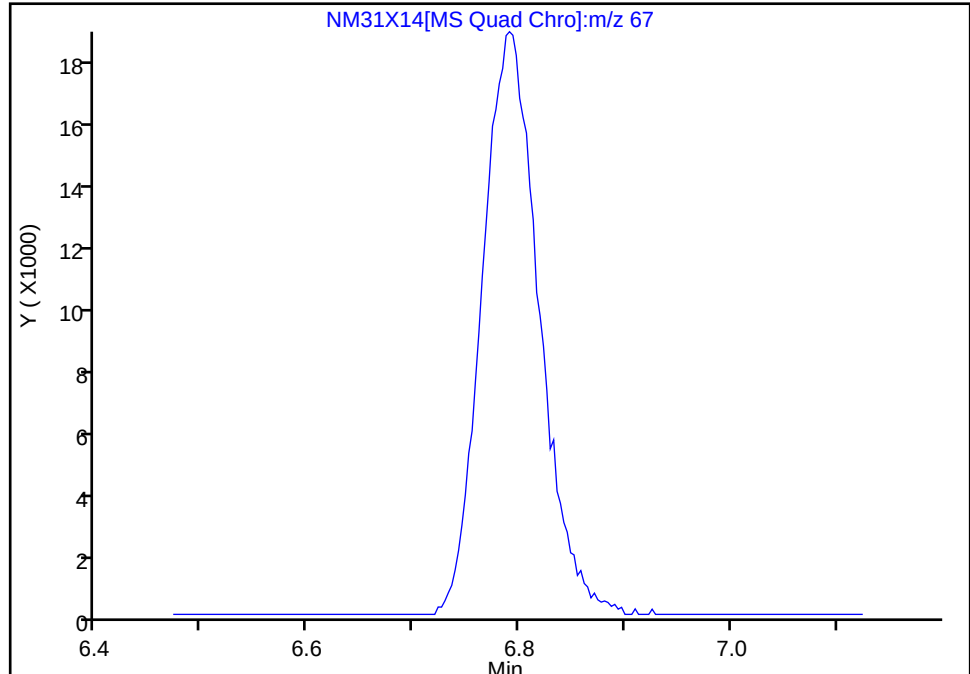
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X14.D
Injection Date: 31-Mar-2025 15:23:07 Instrument ID: 7159
Lims ID: IC v10
Client ID:
Operator ID: kas02648 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

47 Methacrylonitrile, CAS: 126-98-7

Signal: 1

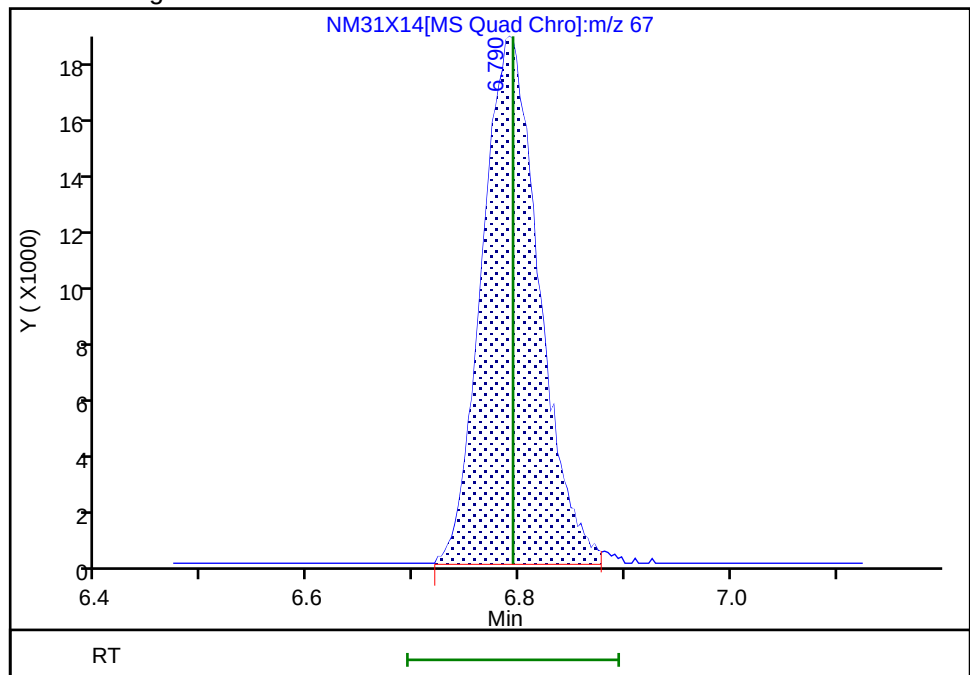
Not Detected
Expected RT: 6.79

Processing Integration Results



RT: 6.79
Area: 67352
Amount: 25.357235
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:34:45 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

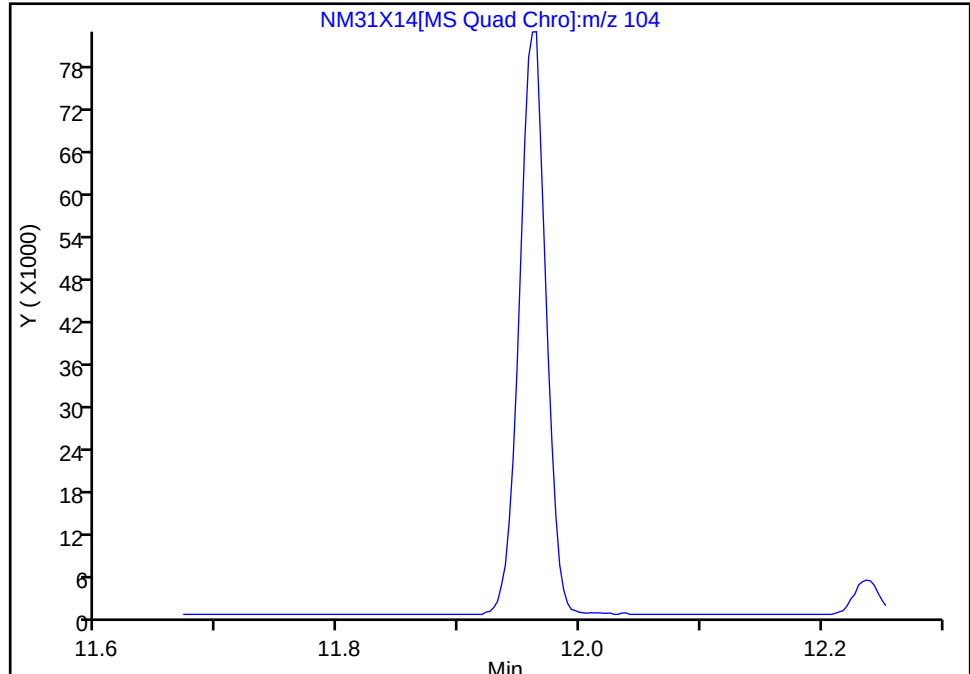
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\nm31x14.D
Injection Date: 31-Mar-2025 15:23:07 Instrument ID: 7159
Lims ID: IC v10
Client ID:
Operator ID: kas02648 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

121 Styrene, CAS: 100-42-5

Signal: 1

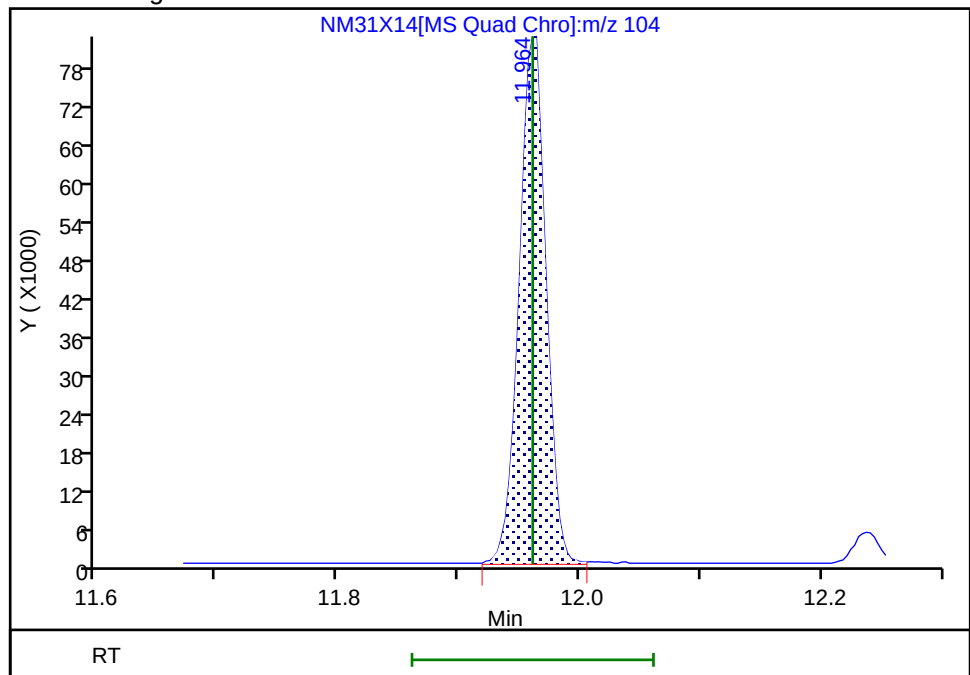
Not Detected
Expected RT: 11.96

Processing Integration Results



RT: 11.96
Area: 125926
Amount: 10.201957
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:35:02 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

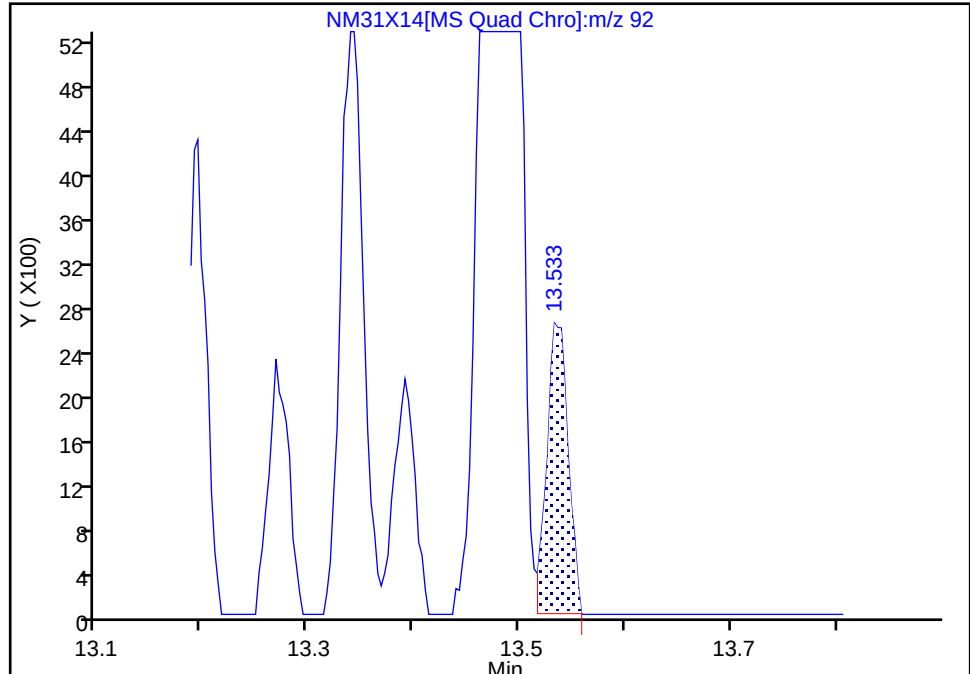
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X14.D
Injection Date: 31-Mar-2025 15:23:07 Instrument ID: 7159
Lims ID: IC v10
Client ID:
Operator ID: kas02648 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

146 n-Butylbenzene, CAS: 104-51-8

Signal: 1

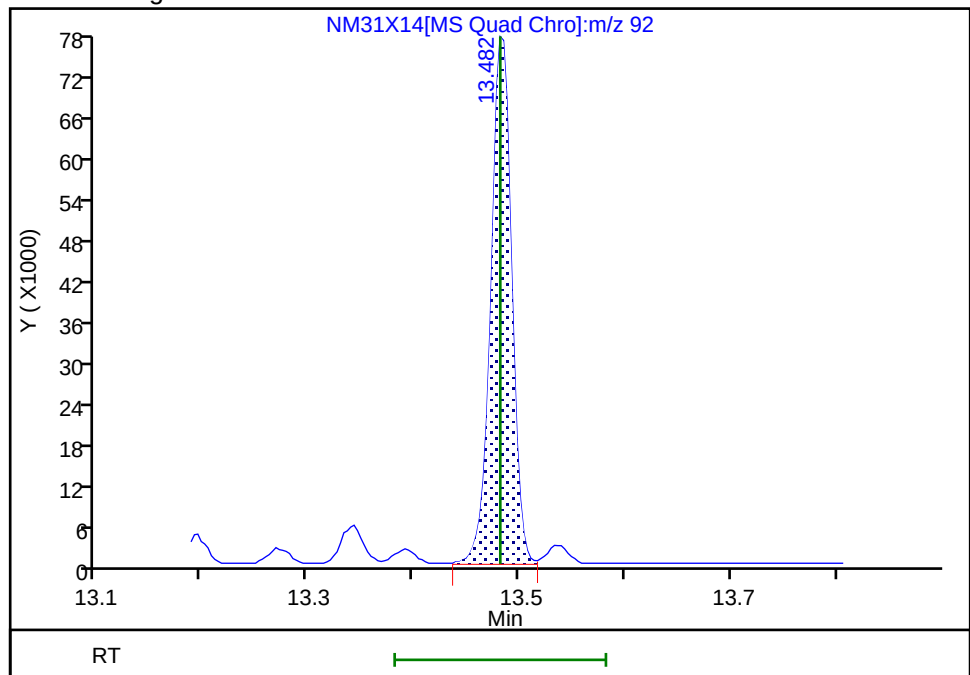
RT: 13.53
Area: 3656
Amount: 0.412959
Amount Units: ug/l

Processing Integration Results



RT: 13.48
Area: 105010
Amount: 10.194061
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 19:06:53 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X15.D
 Lims ID: IC v20
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 31-Mar-2025 15:43:15 ALS Bottle#: 15 Worklist Smp#: 15
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0142514-015
 Operator ID: kas02648 Instrument ID: 7159
 Sublist: chrom-MSVoa_7159*sub31
 Method: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 31-Mar-2025 21:33:33 Calib Date: 31-Mar-2025 16:43:59
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1685

First Level Reviewer: UKAD

Date: 31-Mar-2025 17:35:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.054	2.054	0.000	99	181900	20.0	20.1	
6 Chloromethane	50	2.263	2.263	0.000	99	139279	20.0	20.0	
7 Vinyl chloride	62	2.392	2.392	0.000	98	150230	20.0	20.4	
8 Butadiene	39	2.418	2.418	0.000	92	120095	20.0	19.9	
10 Bromomethane	94	2.778	2.778	0.000	90	147397	20.0	20.5	
11 Chloroethane	64	2.858	2.858	0.000	99	103322	20.0	20.7	
12 Dichlorofluoromethane	67	3.157	3.157	0.000	97	298921	20.0	20.5	
13 Trichlorofluoromethane	101	3.209	3.209	0.000	96	223805	20.0	20.4	
14 Pentane	43	3.231	3.231	0.000	98	184028	20.0	21.3	
16 Ethanol	45	3.392	3.392	0.000	30	96913	1000.0	1042.9	M
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.601	3.601	0.000	91	136557	20.0	20.4	
18 Acrolein	56	3.678	3.678	0.000	99	333976	195.2	196.6	
19 1,1-Dichloroethene	96	3.826	3.826	0.000	98	107447	20.0	21.2	M
21 Acetone	58	3.865	3.865	0.000	92	32734	40.0	40.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.871	3.871	0.000	93	136515	20.0	21.4	
23 Iodomethane	142	4.054	4.054	0.000	98	216477	20.0	21.1	
24 Isopropyl alcohol	45	4.074	4.074	0.000	44	108362	100.0	121.7	
25 Carbon disulfide	76	4.186	4.186	0.000	99	319322	20.0	20.8	
26 Methyl acetate	43	4.334	4.334	0.000	89	99824	20.0	20.7	
27 3-Chloro-1-propene	41	4.357	4.357	0.000	92	130872	20.0	20.7	a
28 Methylene Chloride	84	4.575	4.575	0.000	92	123733	20.0	20.9	
* 29 t-Butyl alcohol-d10 (IS)	65	4.623	4.623	0.000	97	331544	250.0	250.0	
30 2-Methyl-2-propanol	59	4.755	4.755	0.000	97	122653	100.0	101.4	
32 Acrylonitrile	53	4.945	4.945	0.000	100	149962	50.0	53.7	
33 Methyl tert-butyl ether	73	4.990	4.990	0.000	96	312963	20.0	21.1	
34 trans-1,2-Dichloroethene	96	4.984	4.984	0.000	99	105092	20.0	21.5	
36 Hexane	57	5.421	5.421	0.000	90	139707	20.0	21.6	
37 1,1-Dichloroethane	63	5.665	5.665	0.000	96	172043	20.0	21.5	
38 Isopropyl ether	45	5.720	5.720	0.000	93	292293	20.0	21.4	
39 2-Chloro-1,3-butadiene	53	5.771	5.771	0.000	91	136880	20.0	21.9	
S 42 1,2-Dichloroethene, Total	100				0			42.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	6.263	6.263	0.000	97	300116	20.0	21.3	M
43 2-Butanone (MEK)	43	6.479	6.479	0.000	99	137651	40.0	41.6	
44 cis-1,2-Dichloroethene	96	6.495	6.495	0.000	80	120737	20.0	21.3	
45 2,2-Dichloropropane	77	6.524	6.524	0.000	87	158360	20.0	21.5	a
46 Propionitrile	54	6.585	6.585	0.000	95	135481	100.0	106.4	
183 Methyl acrylate	55	6.598	6.598	0.000	100	127464	20.0	21.5	
47 Methacrylonitrile	67	6.784	6.784	0.000	90	139868	50.0	53.5	a
48 Chlorobromomethane	128	6.826	6.826	0.000	93	61679	20.0	21.8	
49 Tetrahydrofuran	71	6.836	6.836	0.000	85	114819	100.0	105.6	
50 Chloroform	83	6.971	6.971	0.000	92	179978	20.0	21.4	
\$ 51 Dibromofluoromethane (Surr)	113	7.189	7.189	0.000	94	218812	50.0	50.4	
52 1,1,1-Trichloroethane	97	7.202	7.202	0.000	97	174582	20.0	21.3	
53 Cyclohexane	56	7.295	7.295	0.000	88	205602	20.0	21.3	
56 Carbon tetrachloride	117	7.402	7.402	0.000	95	144879	20.0	21.2	
55 1,1-Dichloropropene	75	7.405	7.405	0.000	96	139846	20.0	21.5	
57 Isobutyl alcohol	41	7.575	7.575	0.000	93	97291	250.0	272.7	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.646	7.646	0.000	0	53603	50.0	49.6	M
60 Benzene	78	7.668	7.668	0.000	96	414691	20.0	21.2	
61 1,2-Dichloroethane	62	7.746	7.746	0.000	98	127486	20.0	21.2	
62 Tert-amyl methyl ether	73	7.855	7.855	0.000	99	291617	20.0	21.1	
64 n-Heptane	43	8.067	8.067	0.000	72	117448	20.0	21.4	
* 63 Fluorobenzene (IS)	96	8.067	8.067	0.000	98	824163	50.0	50.0	
66 n-Butanol	56	8.437	8.437	0.000	90	70504	250.0	243.9	
67 Trichloroethene	95	8.537	8.537	0.000	97	105402	20.0	21.1	
178 Ethyl acrylate	55	8.652	8.652	0.000	99	118808	20.0	21.5	
68 Methylcyclohexane	83	8.836	8.836	0.000	88	221334	20.0	21.5	
70 2-ethoxy-2-methyl butane	87	8.871	8.871	0.000	94	153294	20.0	21.5	
69 1,2-Dichloropropane	63	8.874	8.874	0.000	71	98830	20.0	21.3	
71 Methyl methacrylate	69	8.948	8.948	0.000	91	74507	20.0	21.2	
72 1,4-Dioxane	88	8.961	8.961	0.000	84	28310	250.0	286.1	
73 Dibromomethane	93	8.983	8.983	0.000	95	65150	20.0	21.1	
75 Dichlorobromomethane	83	9.205	9.205	0.000	99	112831	20.0	20.9	
76 2-Nitropropane	41	9.482	9.482	0.000	99	152483	100.0	109.4	M
78 2-Chloroethyl vinyl ether	63	9.549	9.549	0.000	91	60820	20.0	21.5	
79 cis-1,3-Dichloropropene	75	9.723	9.723	0.000	97	138920	20.0	21.1	
80 4-Methyl-2-pentanone (MIBK)	43	9.890	9.890	0.000	96	263834	40.0	42.8	
\$ 81 Toluene-d8 (Surr)	98	10.009	10.009	0.000	93	792348	50.0	50.6	
S 104 1,3-Dichloropropene, Total	100				0			42.1	
82 Toluene	92	10.083	10.083	0.000	99	246495	20.0	21.4	
105 trans-1,3-Dichloropropene	75	10.327	10.327	0.000	91	115617	20.0	21.0	
106 Ethyl methacrylate	69	10.379	10.379	0.000	88	124564	20.0	22.0	
107 1,1,2-Trichloroethane	97	10.524	10.524	0.000	90	85446	20.0	21.3	
108 Tetrachloroethene	166	10.598	10.598	0.000	97	110908	20.0	21.5	
109 1,3-Dichloropropane	76	10.681	10.681	0.000	89	139946	20.0	21.1	
110 2-Hexanone	43	10.729	10.729	0.000	95	174753	40.0	43.4	
111 Chlorodibromomethane	129	10.884	10.884	0.000	90	82560	20.0	21.0	
112 Ethylene Dibromide	107	10.996	10.996	0.000	98	86554	20.0	21.1	
S 113 Xylenes, Total	106				0			65.9	
* 114 Chlorobenzene-d5 (IS)	117	11.408	11.408	0.000	84	603103	50.0	50.0	
115 1-Chlorohexane	91	11.408	11.408	0.000	95	129466	20.0	21.0	
116 Chlorobenzene	112	11.434	11.434	0.000	96	273928	20.0	21.3	
117 1,1,1,2-Tetrachloroethane	131	11.511	11.511	0.000	96	106792	20.0	21.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
118 Ethylbenzene	91	11.514	11.514	0.000	98	481635	20.0	21.8	
119 m-Xylene & p-Xylene	106	11.623	11.623	0.000	0	376750	40.0	43.8	
272 n-Butyl acrylate	55	11.890	11.890	0.000	97	142937	20.0	21.4	
120 o-Xylene	106	11.945	11.945	0.000	96	200549	20.0	22.1	
121 Styrene	104	11.961	11.961	0.000	95	279188	20.0	22.3	
122 Bromoform	173	12.118	12.118	0.000	97	52988	20.0	19.8	
123 Isopropylbenzene	105	12.237	12.237	0.000	95	484098	20.0	22.3	
124 Cyclohexanone	55	12.327	12.327	0.000	90	182956	500.0	563.6	
\$ 125 4-Bromofluorobenzene (Surr)	95	12.379	12.379	0.000	98	290495	50.0	50.9	
126 1,1,2,2-Tetrachloroethane	83	12.479	12.479	0.000	95	145031	20.0	21.4	
127 Bromobenzene	156	12.498	12.498	0.000	97	111386	20.0	20.7	
128 trans-1,4-Dichloro-2-butene	53	12.504	12.504	0.000	88	91227	50.0	54.5	
129 1,2,3-Trichloropropane	110	12.527	12.527	0.000	77	47022	20.0	21.3	a
130 N-Propylbenzene	91	12.559	12.559	0.000	98	586440	20.0	21.8	
131 2-Chlorotoluene	126	12.636	12.636	0.000	97	121165	20.0	21.3	
132 1,3,5-Trimethylbenzene	105	12.691	12.691	0.000	94	444727	20.0	21.8	
133 4-Chlorotoluene	126	12.729	12.729	0.000	97	114446	20.0	21.4	
134 tert-Butylbenzene	134	12.929	12.929	0.000	92	91274	20.0	21.4	
136 1,2,4-Trimethylbenzene	105	12.970	12.970	0.000	97	442391	20.0	22.0	
137 sec-Butylbenzene	105	13.089	13.089	0.000	94	578093	20.0	22.0	
138 1,3-Dichlorobenzene	146	13.192	13.192	0.000	97	214756	20.0	21.0	
139 4-Isopropyltoluene	119	13.196	13.196	0.000	97	484617	20.0	21.8	
* 140 1,4-Dichlorobenzene-d4	152	13.244	13.244	0.000	94	324432	50.0	50.0	
141 1,4-Dichlorobenzene	146	13.263	13.263	0.000	95	213185	20.0	20.9	
142 1,2,3-Trimethylbenzene	105	13.273	13.273	0.000	98	468101	20.0	21.7	
143 Benzyl chloride	91	13.340	13.340	0.000	98	203027	20.0	20.3	
144 1,3-Diethylbenzene	119	13.392	13.392	0.000	95	269040	20.0	21.9	
145 p-Diethylbenzene	119	13.462	13.462	0.000	94	277480	20.0	21.9	
146 n-Butylbenzene	92	13.482	13.482	0.000	97	221374	20.0	21.8	a
147 1,2-Dichlorobenzene	146	13.520	13.520	0.000	98	216389	20.0	21.2	
148 o-diethylbenzene	119	13.536	13.536	0.000	96	240588	20.0	21.7	
150 1,2-Dibromo-3-Chloropropane	75	14.057	14.057	0.000	95	34012	20.0	21.0	
151 1,3,5-Trichlorobenzene	180	14.176	14.176	0.000	97	155947	20.0	20.9	
152 1,2,4-Trichlorobenzene	180	14.597	14.597	0.000	94	134512	20.0	20.8	
267 2-Ethylhexyl acrylate	55	14.652	14.652	0.000	82	92266	20.0	17.4	
153 Hexachlorobutadiene	225	14.681	14.681	0.000	97	54084	20.0	19.9	
154 Naphthalene	128	14.787	14.787	0.000	97	517360	20.0	21.7	
155 1,2,3-Trichlorobenzene	180	14.929	14.929	0.000	96	137704	20.0	20.8	
156 2-Methylnaphthalene	142	15.581	15.581	0.000	92	251280	20.0	20.0	
S 165 Total Diethylbenzene	1				0			65.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00229	Amount Added: 4.00	Units: uL	
MSV_CCV_GASES_00998	Amount Added: 2.00	Units: uL	
MSV_CCV_VOC#3_00230	Amount Added: 3.20	Units: uL	
MSV_CCV_2CEVE_00221	Amount Added: 4.00	Units: uL	
MSV_CCV_OH_Sp_00020	Amount Added: 4.00	Units: uL	
MSV_CCV_CYC_00011	Amount Added: 16.00	Units: uL	
MSV_CCV_ETOH_00009	Amount Added: 16.00	Units: uL	
MSV_Cent_ISSS_00035	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 31-Mar-2025 21:33:34

Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X15.D

Injection Date: 31-Mar-2025 15:43:15

Instrument ID: 7159

Operator ID: kas02648

Lims ID: IC v20

Worklist Smp#: 15

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

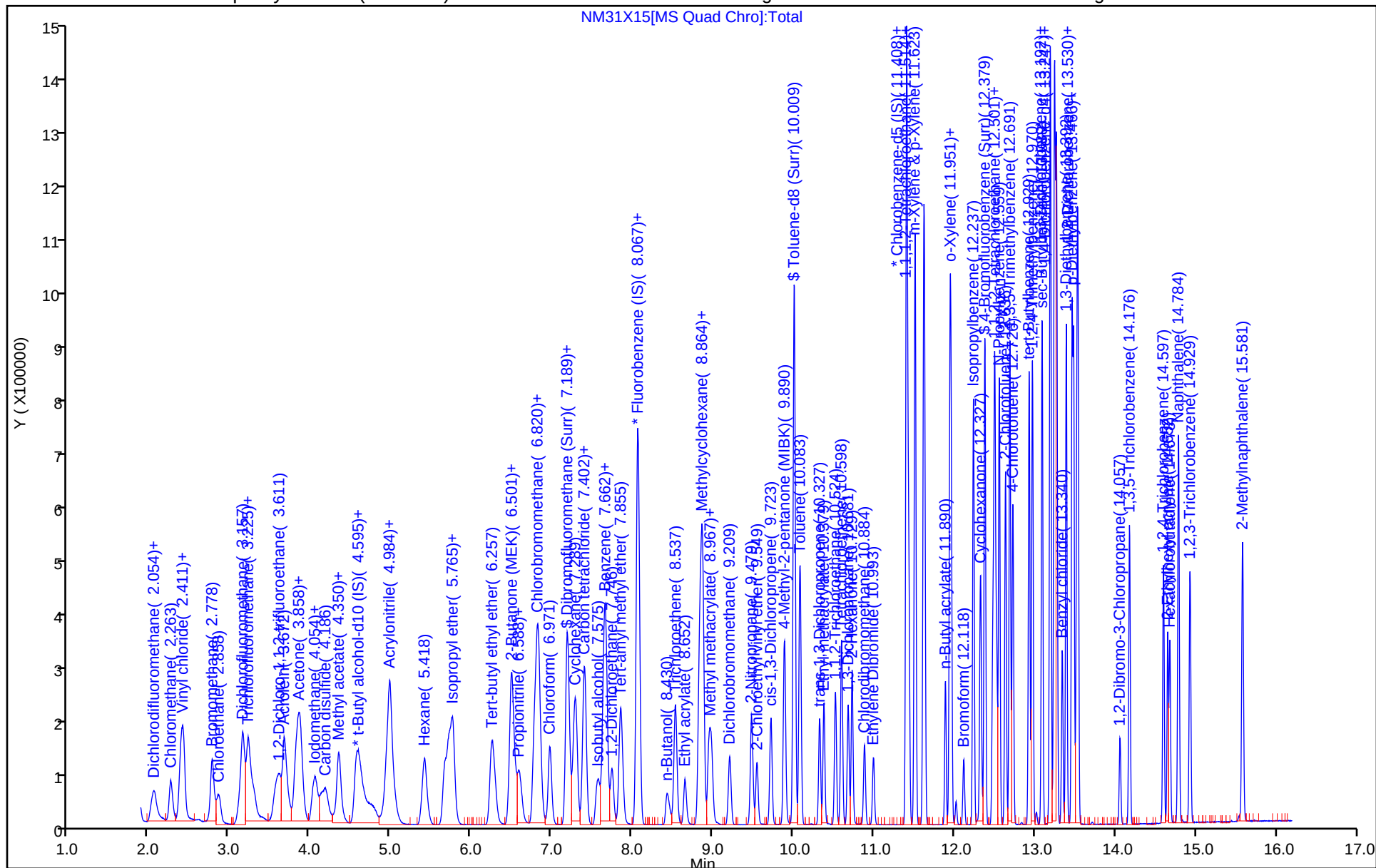
ALS Bottle#: 15

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC

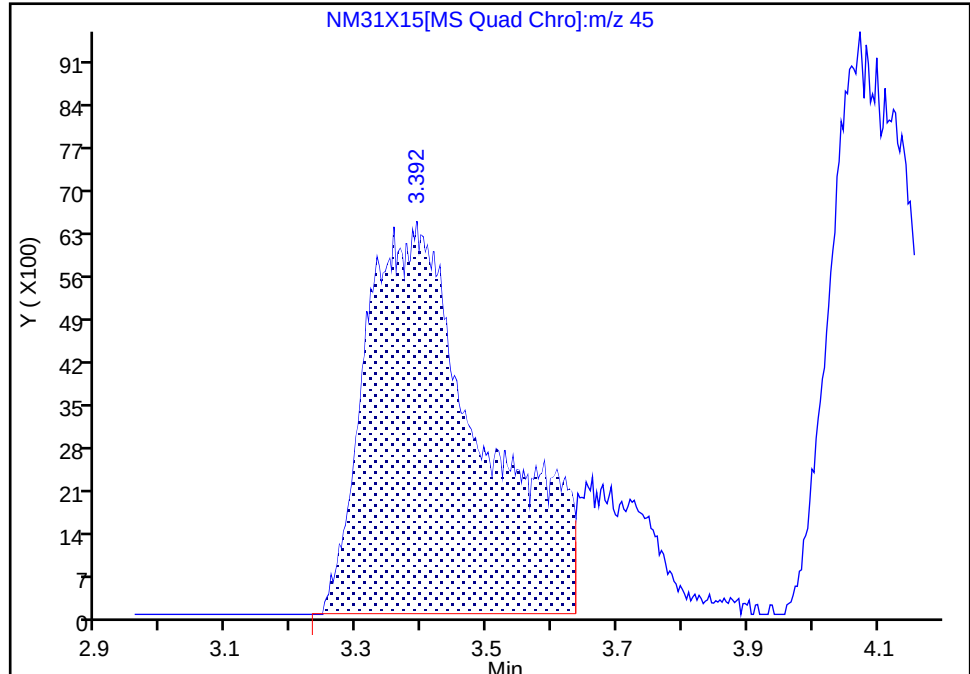
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X15.D
Injection Date: 31-Mar-2025 15:43:15 Instrument ID: 7159
Lims ID: IC v20
Client ID:
Operator ID: kas02648 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

16 Ethanol, CAS: 64-17-5

Signal: 1

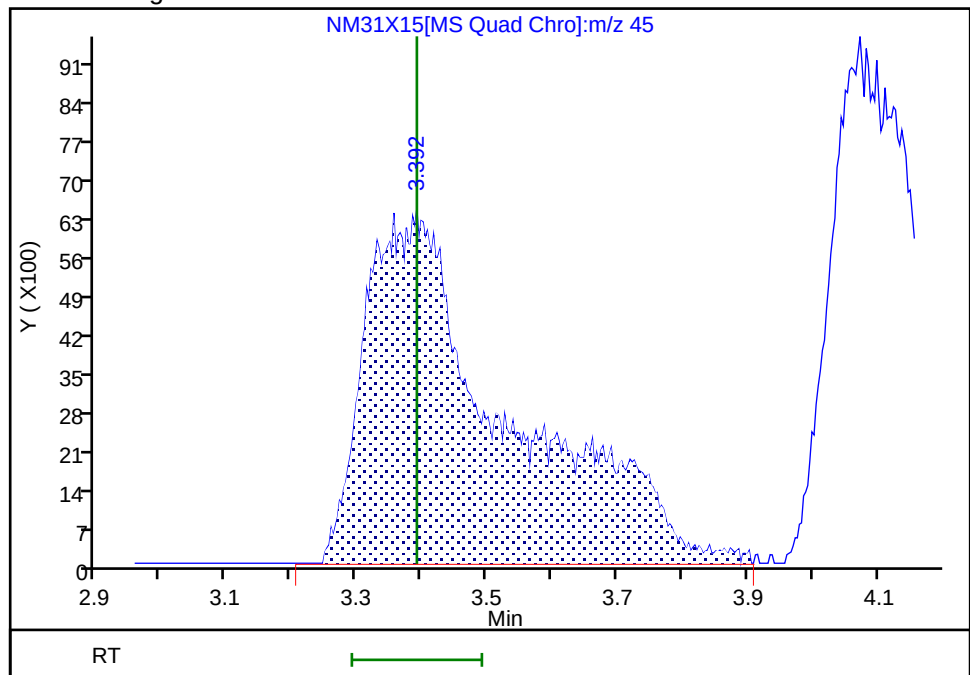
RT: 3.39
Area: 80364
Amount: 903.5737
Amount Units: ug/l

Processing Integration Results



RT: 3.39
Area: 96913
Amount: 1042.8792
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:30:59 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

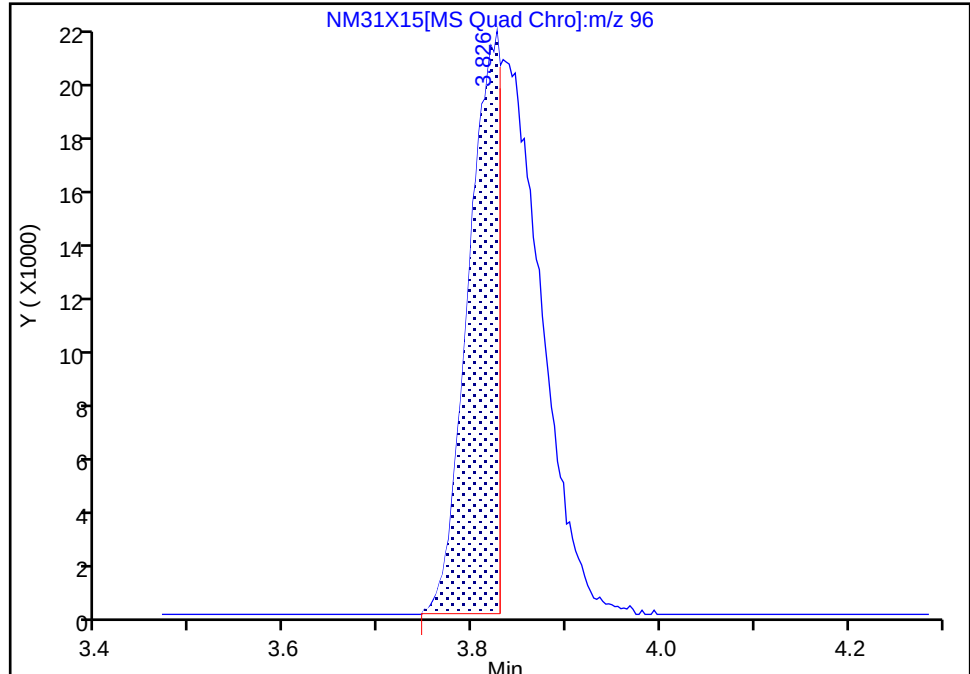
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X15.D
Injection Date: 31-Mar-2025 15:43:15 Instrument ID: 7159
Lims ID: IC v20
Client ID:
Operator ID: kas02648 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

19 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

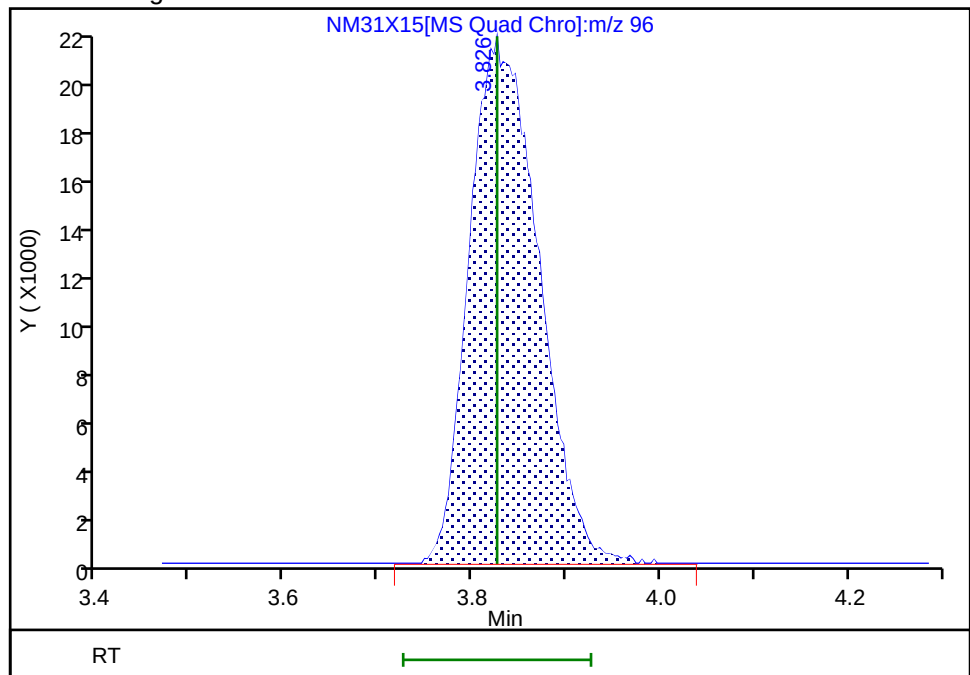
RT: 3.83
Area: 48814
Amount: 16.311194
Amount Units: ug/l

Processing Integration Results



RT: 3.83
Area: 107447
Amount: 21.164664
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:31:08 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

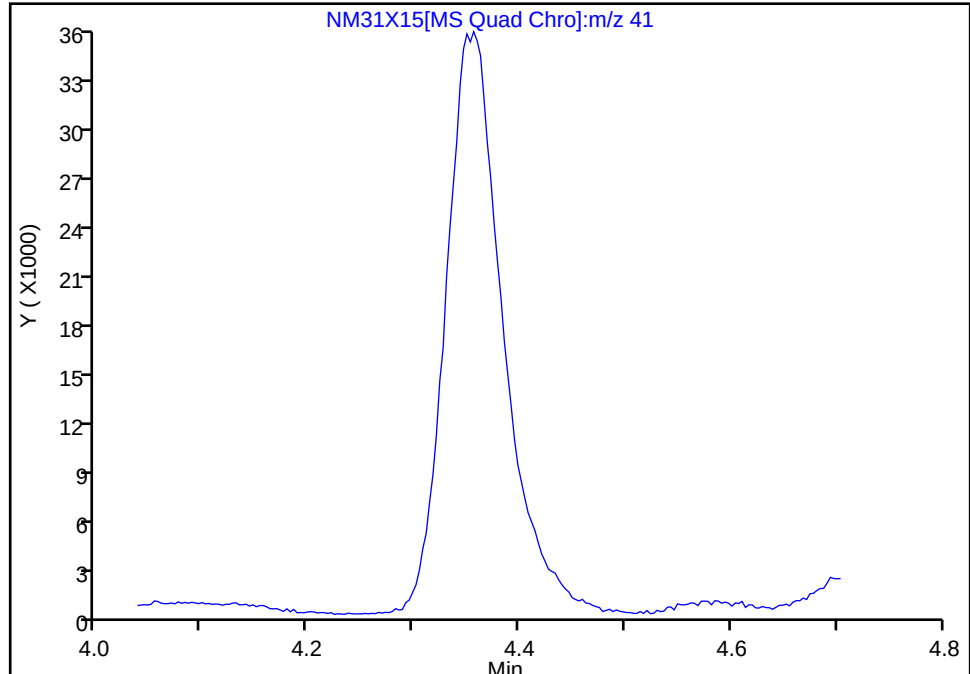
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X15.D
Injection Date: 31-Mar-2025 15:43:15 Instrument ID: 7159
Lims ID: IC v20
Client ID:
Operator ID: kas02648 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

27 3-Chloro-1-propene, CAS: 107-05-1

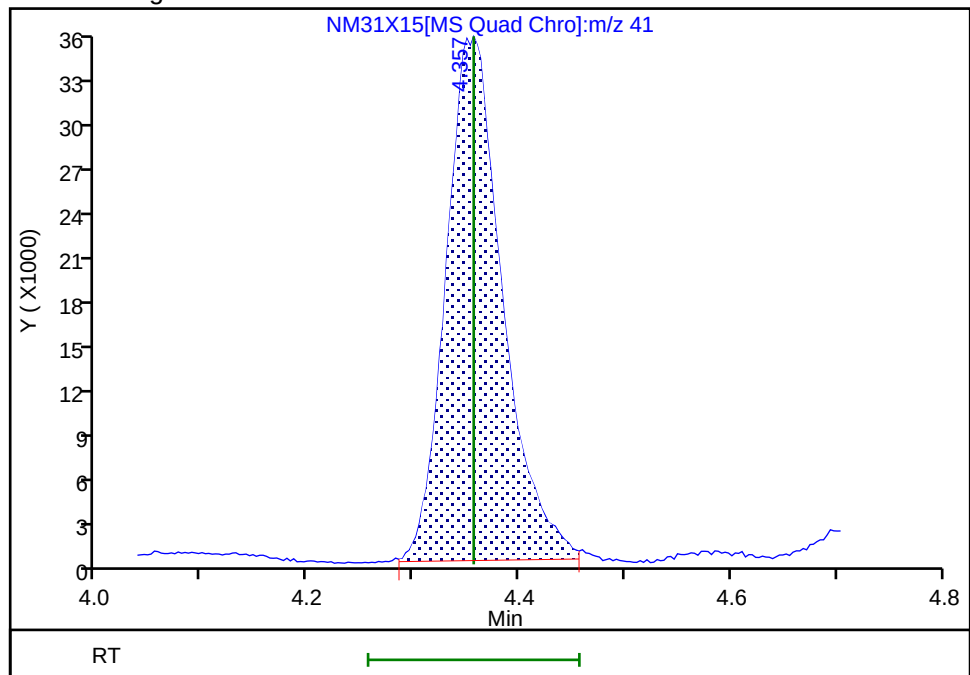
Signal: 1

Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results



RT: 4.36
Area: 130872
Amount: 20.722736
Amount Units: ug/l

Reviewer: UKAD, 31-Mar-2025 18:31:14 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

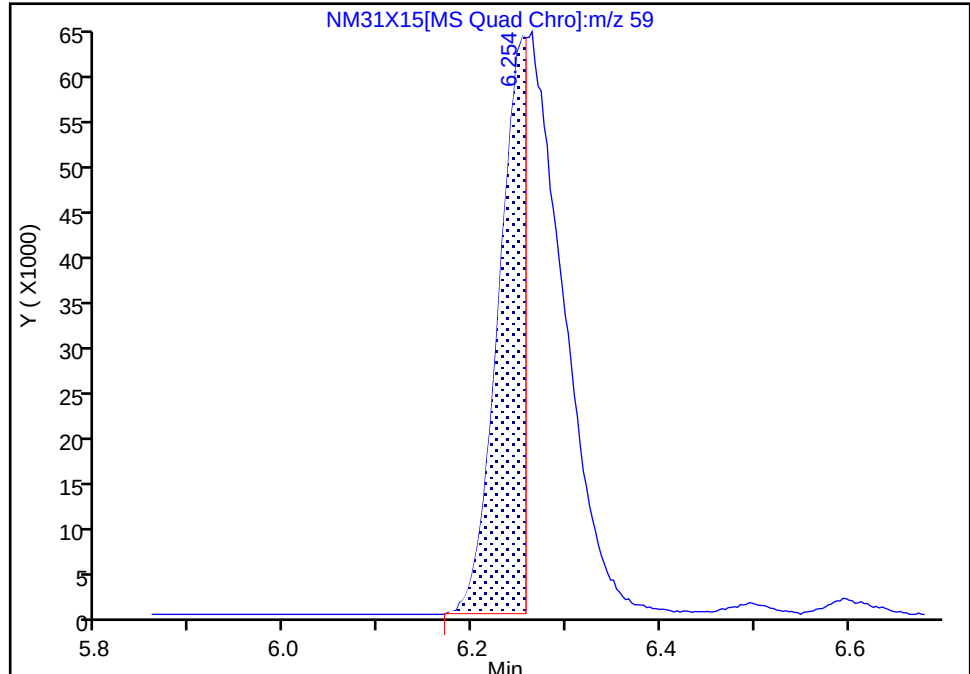
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X15.D
Injection Date: 31-Mar-2025 15:43:15 Instrument ID: 7159
Lims ID: IC v20
Client ID:
Operator ID: kas02648 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

41 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

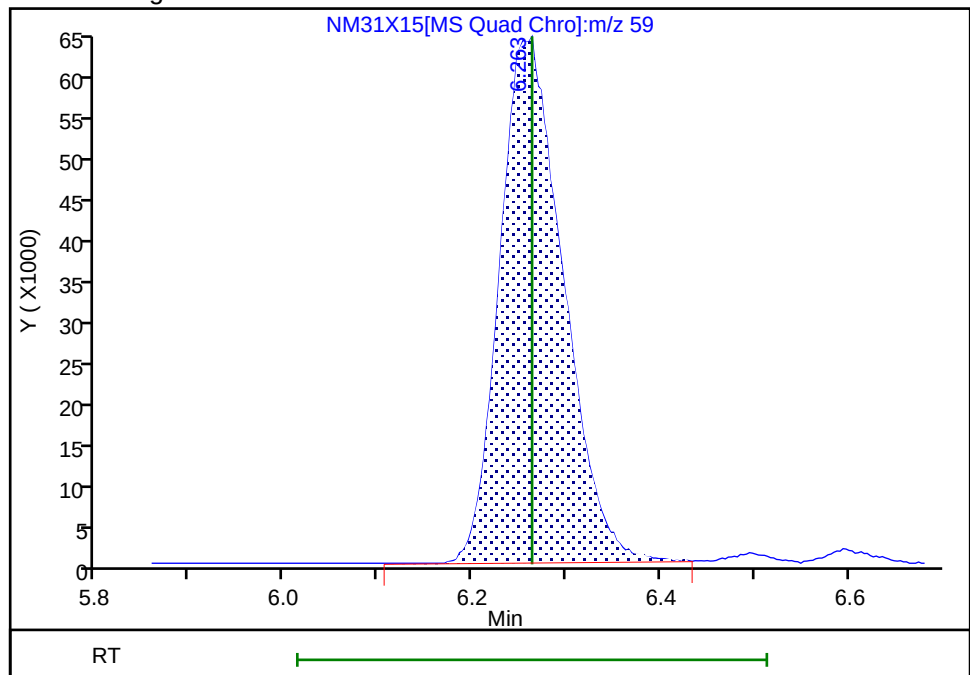
RT: 6.25
Area: 130224
Amount: 13.203051
Amount Units: ug/l

Processing Integration Results



RT: 6.26
Area: 300116
Amount: 21.281668
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:31:26 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

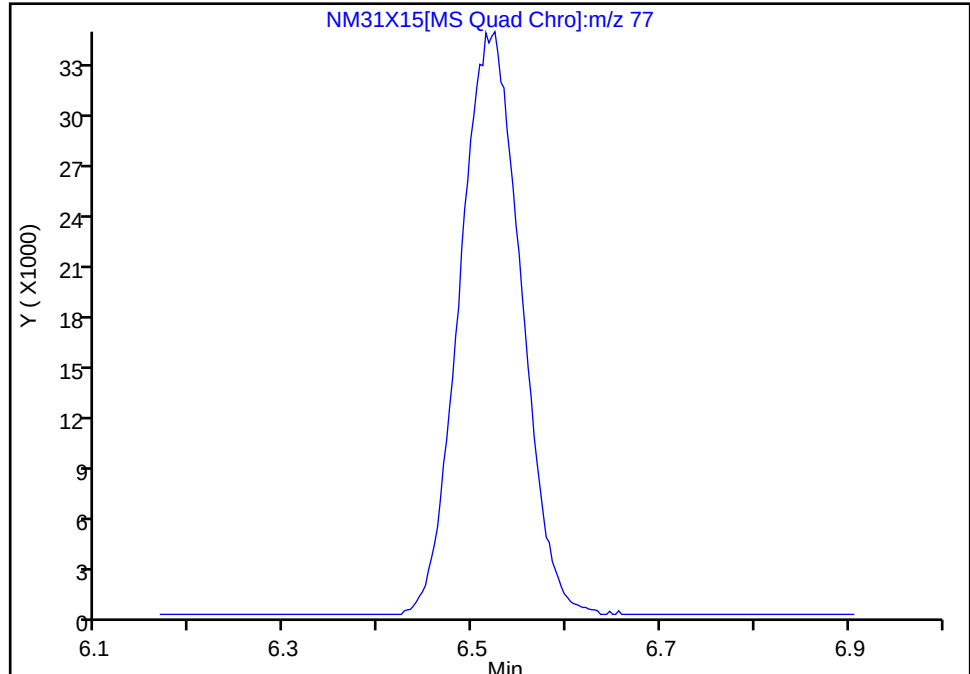
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X15.D
Injection Date: 31-Mar-2025 15:43:15 Instrument ID: 7159
Lims ID: IC v20
Client ID:
Operator ID: kas02648 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

45 2,2-Dichloropropane, CAS: 594-20-7

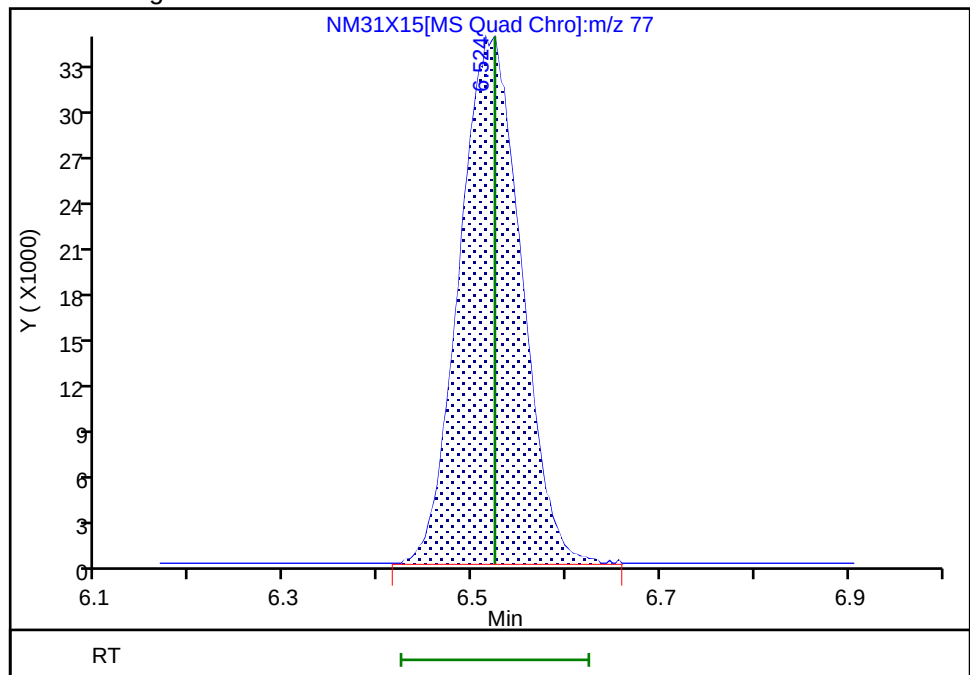
Signal: 1

Not Detected
Expected RT: 6.52

Processing Integration Results



Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:31:31 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

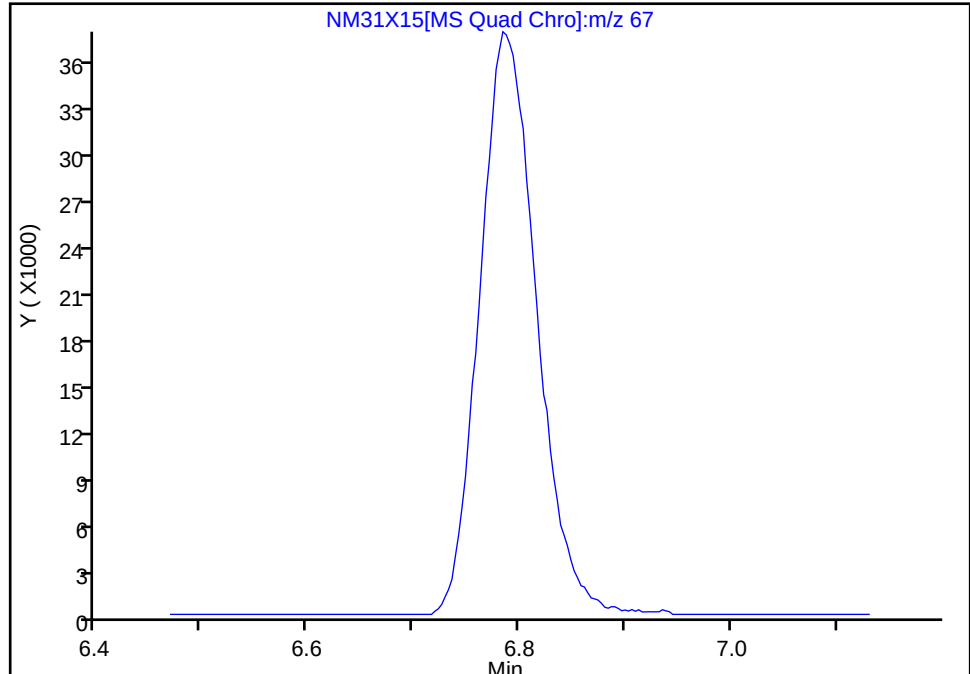
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\nm31X15.D
Injection Date: 31-Mar-2025 15:43:15 Instrument ID: 7159
Lims ID: IC v20
Client ID:
Operator ID: kas02648 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

47 Methacrylonitrile, CAS: 126-98-7

Signal: 1

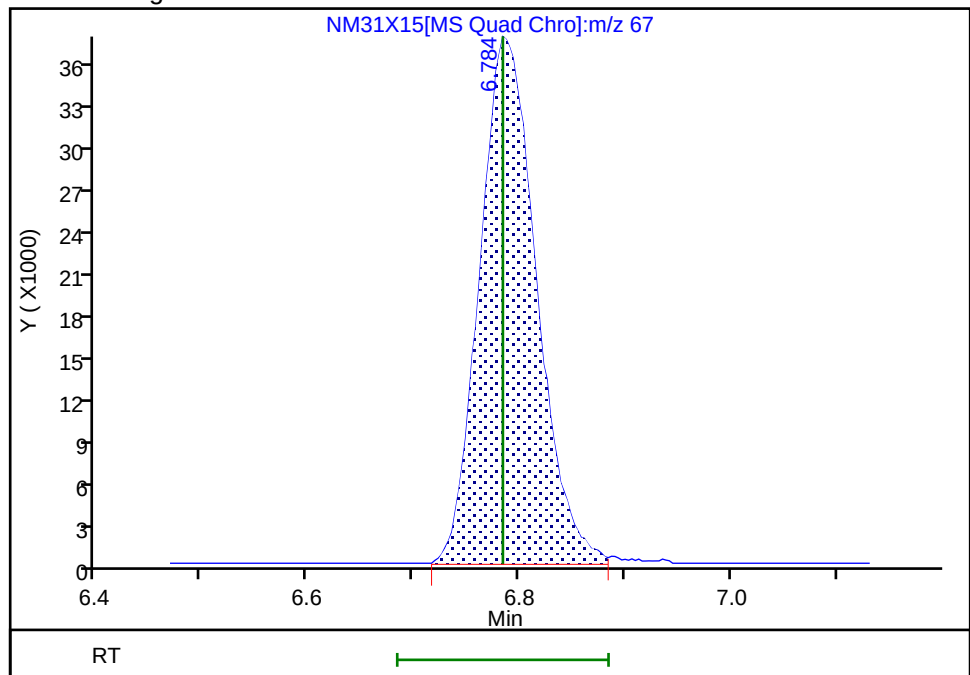
Not Detected
Expected RT: 6.78

Processing Integration Results



RT: 6.78
Area: 139868
Amount: 53.477386
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:31:34 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

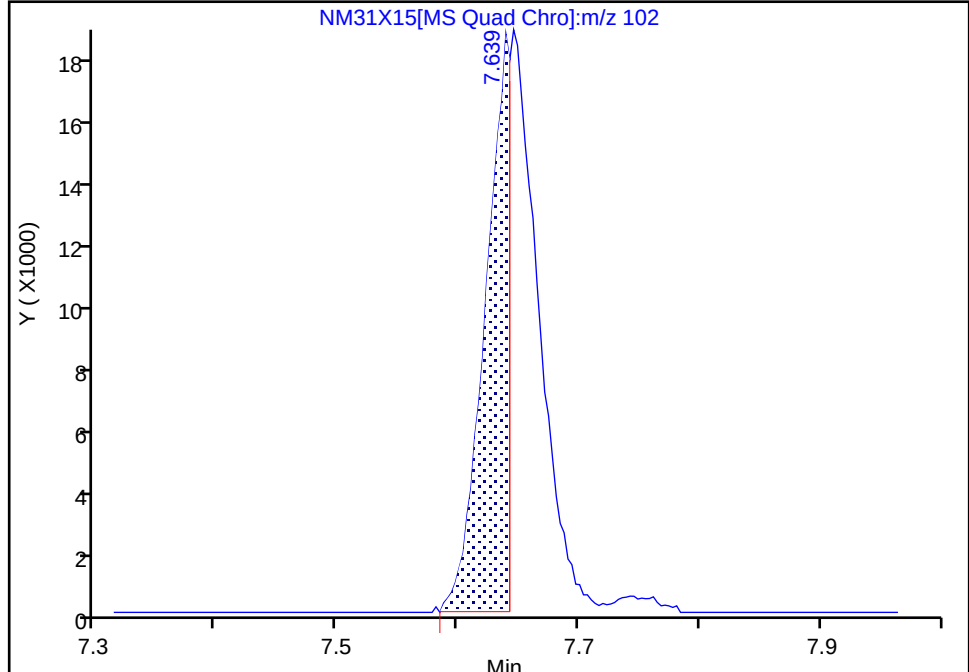
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X15.D
Injection Date: 31-Mar-2025 15:43:15 Instrument ID: 7159
Lims ID: IC v20
Client ID:
Operator ID: kas02648 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

\$ 59 1,2-Dichloroethane-d4 (Surr), CAS: 17060-07-0

Signal: 1

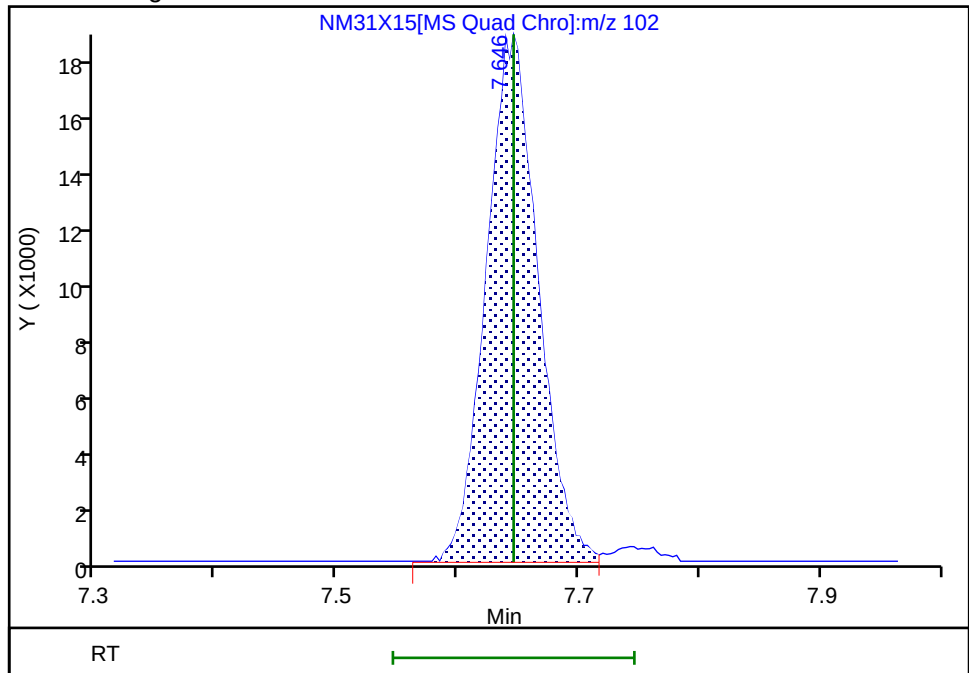
RT: 7.64
Area: 25779
Amount: 27.634056
Amount Units: ug/l

Processing Integration Results



RT: 7.65
Area: 53603
Amount: 49.596869
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:31:55 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

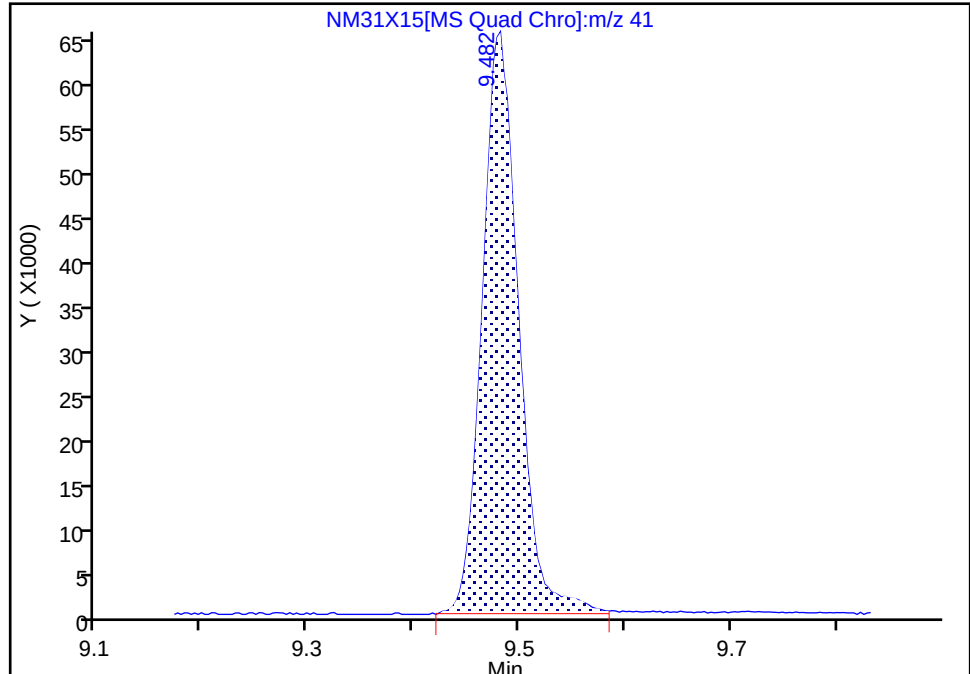
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X15.D
Injection Date: 31-Mar-2025 15:43:15 Instrument ID: 7159
Lims ID: IC v20
Client ID:
Operator ID: kas02648 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

76 2-Nitropropane, CAS: 79-46-9

Signal: 1

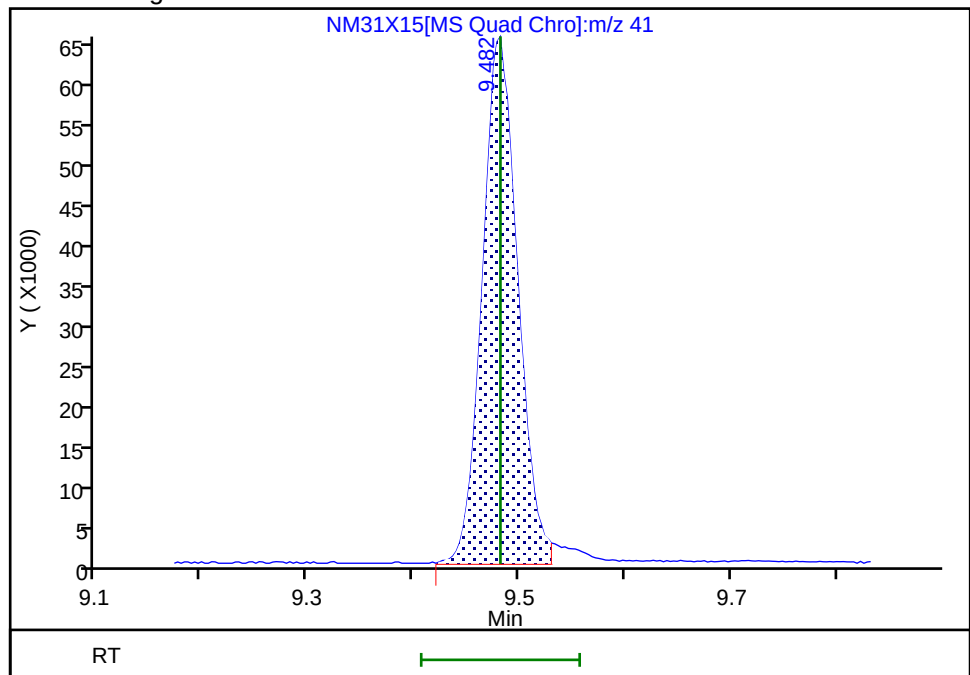
RT: 9.48
Area: 156881
Amount: 108.5476
Amount Units: ug/l

Processing Integration Results



RT: 9.48
Area: 152483
Amount: 109.4408
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 19:01:09 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

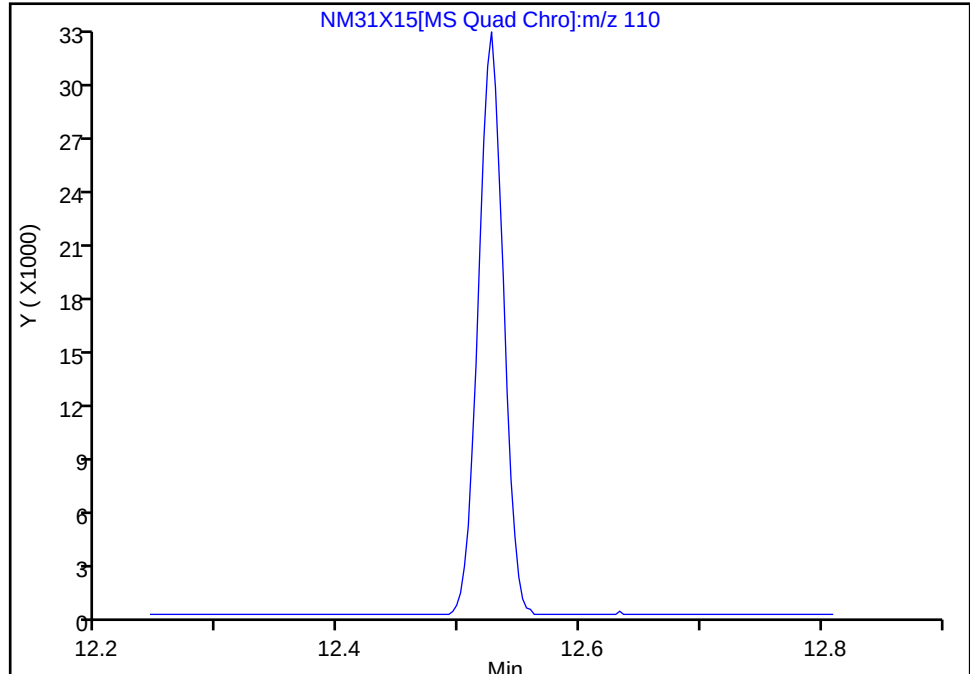
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X15.D
Injection Date: 31-Mar-2025 15:43:15 Instrument ID: 7159
Lims ID: IC v20
Client ID:
Operator ID: kas02648 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

129 1,2,3-Trichloropropane, CAS: 96-18-4
Signal: 1

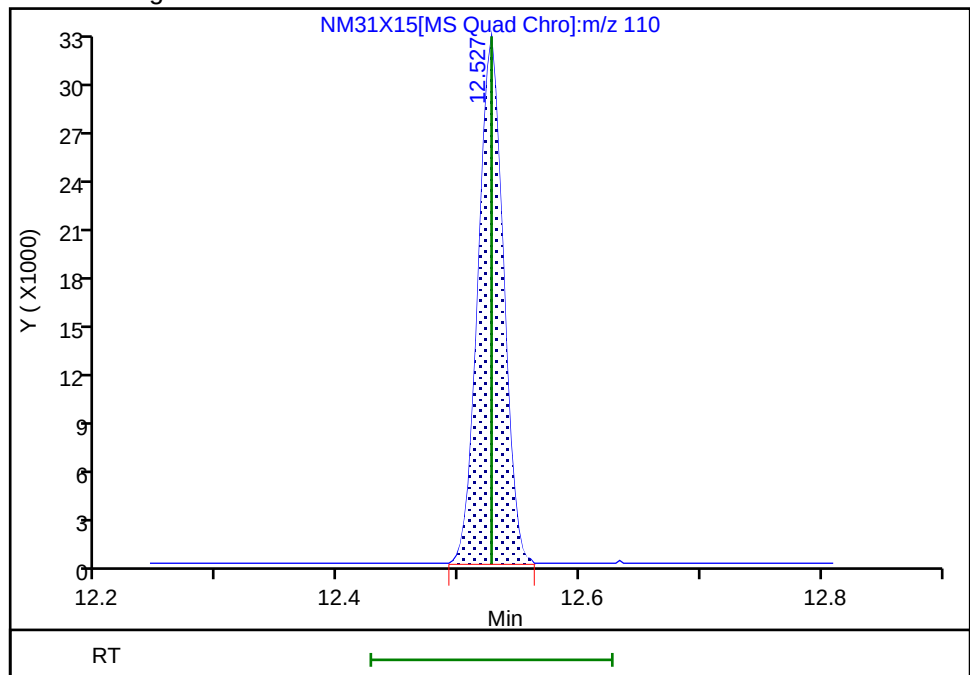
Not Detected
Expected RT: 12.53

Processing Integration Results



RT: 12.53
Area: 47022
Amount: 21.266546
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:32:10 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

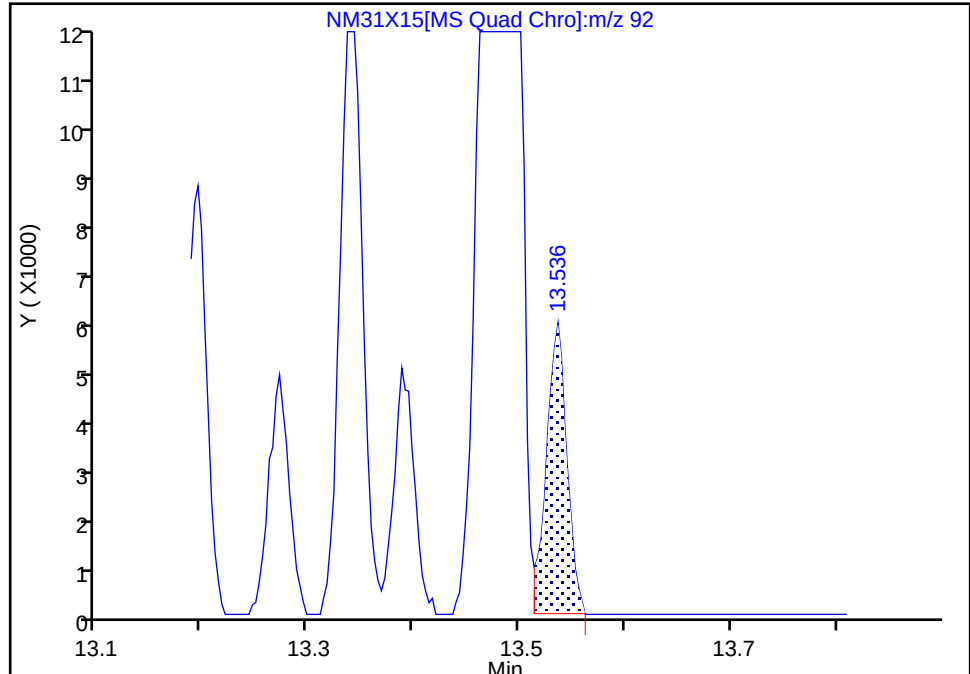
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X15.D
Injection Date: 31-Mar-2025 15:43:15 Instrument ID: 7159
Lims ID: IC v20
Client ID:
Operator ID: kas02648 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

146 n-Butylbenzene, CAS: 104-51-8

Signal: 1

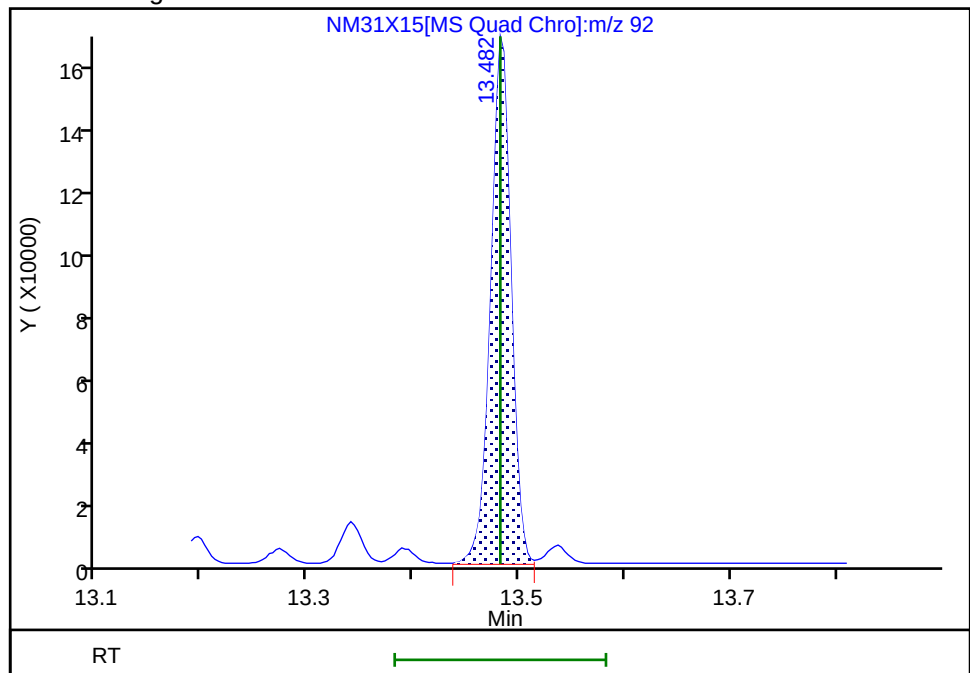
RT: 13.54
Area: 7736
Amount: 1.580392
Amount Units: ug/l

Processing Integration Results



RT: 13.48
Area: 221374
Amount: 21.773312
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:32:26 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X16.D
 Lims ID: ICIS v50
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 31-Mar-2025 16:03:45 ALS Bottle#: 16 Worklist Smp#: 16
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0142514-016
 Operator ID: kas02648 Instrument ID: 7159
 Sublist: chrom-MSVoa_7159*sub31
 Method: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 31-Mar-2025 21:33:48 Calib Date: 31-Mar-2025 16:43:59
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1685

First Level Reviewer: UKAD

Date: 31-Mar-2025 17:34:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.067	2.067	0.000	99	519250	50.0	56.4	
6 Chloromethane	50	2.276	2.276	0.000	99	380921	50.0	53.9	
7 Vinyl chloride	62	2.408	2.408	0.000	98	420968	50.0	56.1	
8 Butadiene	39	2.434	2.434	0.000	87	348445	50.0	56.8	
10 Bromomethane	94	2.794	2.794	0.000	90	394695	50.0	54.1	
11 Chloroethane	64	2.871	2.871	0.000	99	274293	50.0	53.9	
12 Dichlorofluoromethane	67	3.170	3.170	0.000	97	807447	50.0	54.3	
13 Trichlorofluoromethane	101	3.231	3.231	0.000	97	631192	50.0	56.5	
14 Pentane	43	3.244	3.244	0.000	98	458276	50.0	52.0	
16 Ethanol	45	3.434	3.434	0.000	96	119694	1250.0	1285.1	
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.614	3.614	0.000	92	374910	50.0	55.0	
18 Acrolein	56	3.685	3.685	0.000	100	918720	487.9	539.6	
19 1,1-Dichloroethene	96	3.839	3.839	0.000	98	273865	50.0	53.0	M
21 Acetone	58	3.874	3.874	0.000	94	80241	100.0	99.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.874	3.874	0.000	93	352770	50.0	54.2	
23 Iodomethane	142	4.067	4.067	0.000	98	558351	50.0	53.6	
24 Isopropyl alcohol	45	4.067	4.067	0.000	41	216306	250.0	242.5	
25 Carbon disulfide	76	4.205	4.205	0.000	99	854018	50.0	54.8	
26 Methyl acetate	43	4.340	4.340	0.000	97	245008	50.0	50.0	
27 3-Chloro-1-propene	41	4.363	4.363	0.000	92	337266	50.0	52.5	
28 Methylene Chloride	84	4.594	4.594	0.000	88	311611	50.0	51.6	
* 29 t-Butyl alcohol-d10 (IS)	65	4.636	4.636	0.000	87	332301	250.0	250.0	
30 2-Methyl-2-propanol	59	4.771	4.771	0.000	30	316983	250.0	261.5	M
32 Acrylonitrile	53	4.948	4.948	0.000	99	362473	125.0	127.5	
34 trans-1,2-Dichloroethene	96	4.996	4.996	0.000	98	257533	50.0	51.7	
33 Methyl tert-butyl ether	73	4.987	4.987	0.000	95	785634	50.0	52.1	
36 Hexane	57	5.421	5.421	0.000	90	356598	50.0	54.2	
37 1,1-Dichloroethane	63	5.672	5.672	0.000	96	427094	50.0	52.5	
38 Isopropyl ether	45	5.729	5.729	0.000	93	735942	50.0	53.0	
39 2-Chloro-1,3-butadiene	53	5.775	5.775	0.000	89	347200	50.0	54.5	
41 Tert-butyl ethyl ether	59	6.263	6.263	0.000	97	769185	50.0	53.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
43 2-Butanone (MEK)	43	6.485	6.485	0.000	99	370935	100.0	110.2	
44 cis-1,2-Dichloroethene	96	6.501	6.501	0.000	80	301435	50.0	52.2	
45 2,2-Dichloropropane	77	6.520	6.520	0.000	88	403188	50.0	53.8	
46 Propionitrile	54	6.594	6.594	0.000	96	327250	250.0	256.5	
183 Methyl acrylate	55	6.607	6.607	0.000	99	324079	50.0	53.7	
47 Methacrylonitrile	67	6.794	6.794	0.000	93	353960	125.0	133.0	a
48 Chlorobromomethane	128	6.832	6.832	0.000	91	152083	50.0	52.7	
49 Tetrahydrofuran	71	6.842	6.842	0.000	85	282206	250.0	258.9	
50 Chloroform	83	6.980	6.980	0.000	92	445271	50.0	51.9	
\$ 51 Dibromofluoromethane (Surr)	113	7.192	7.192	0.000	94	218964	50.0	49.5	
52 1,1,1-Trichloroethane	97	7.205	7.205	0.000	98	443126	50.0	53.1	
53 Cyclohexane	56	7.292	7.292	0.000	88	531906	50.0	54.2	
56 Carbon tetrachloride	117	7.408	7.408	0.000	97	380138	50.0	54.7	
55 1,1-Dichloropropene	75	7.411	7.411	0.000	98	352497	50.0	53.2	
57 Isobutyl alcohol	41	7.572	7.572	0.000	95	235861	625.0	659.6	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.643	7.643	0.000	0	57909	50.0	52.7	M
60 Benzene	78	7.675	7.675	0.000	96	1033689	50.0	51.9	
61 1,2-Dichloroethane	62	7.752	7.752	0.000	97	314100	50.0	51.3	
62 Tert-amyl methyl ether	73	7.861	7.861	0.000	99	758041	50.0	54.0	
64 n-Heptane	43	8.070	8.070	0.000	87	302350	50.0	54.2	
* 63 Fluorobenzene (IS)	96	8.073	8.073	0.000	98	838693	50.0	50.0	
66 n-Butanol	56	8.434	8.434	0.000	88	186947	625.0	645.2	
67 Trichloroethene	95	8.536	8.536	0.000	97	268506	50.0	52.9	
178 Ethyl acrylate	55	8.655	8.655	0.000	99	313323	50.0	55.7	
68 Methylcyclohexane	83	8.839	8.839	0.000	88	581184	50.0	55.5	
70 2-ethoxy-2-methyl butane	87	8.871	8.871	0.000	95	394890	50.0	54.5	
69 1,2-Dichloropropane	63	8.877	8.877	0.000	87	250813	50.0	53.1	
71 Methyl methacrylate	69	8.951	8.951	0.000	87	201040	50.0	56.3	
72 1,4-Dioxane	88	8.961	8.961	0.000	81	67361	625.0	679.2	
73 Dibromomethane	93	8.983	8.983	0.000	96	167494	50.0	53.2	
75 Dichlorobromomethane	83	9.209	9.209	0.000	99	302329	50.0	54.9	
76 2-Nitropropane	41	9.482	9.482	0.000	99	418277	250.0	299.5	
78 2-Chloroethyl vinyl ether	63	9.549	9.549	0.000	91	161817	50.0	56.2	
79 cis-1,3-Dichloropropene	75	9.723	9.723	0.000	97	371731	50.0	55.5	
80 4-Methyl-2-pentanone (MIBK)	43	9.890	9.890	0.000	95	757353	100.0	120.7	
\$ 81 Toluene-d8 (Surr)	98	10.012	10.012	0.000	93	808752	50.0	50.3	
82 Toluene	92	10.083	10.083	0.000	98	623991	50.0	52.9	
105 trans-1,3-Dichloropropene	75	10.327	10.327	0.000	91	318101	50.0	56.3	
106 Ethyl methacrylate	69	10.382	10.382	0.000	88	340581	50.0	58.6	
107 1,1,2-Trichloroethane	97	10.524	10.524	0.000	90	219744	50.0	53.3	
108 Tetrachloroethene	166	10.601	10.601	0.000	97	283625	50.0	53.5	
109 1,3-Dichloropropane	76	10.681	10.681	0.000	88	360102	50.0	52.9	
110 2-Hexanone	43	10.729	10.729	0.000	95	514892	100.0	124.7	
111 Chlorodibromomethane	129	10.884	10.884	0.000	90	231183	50.0	57.2	
112 Ethylene Dibromide	107	10.996	10.996	0.000	98	228857	50.0	54.3	
* 114 Chlorobenzene-d5 (IS)	117	11.408	11.408	0.000	84	619002	50.0	50.0	
115 1-Chlorohexane	91	11.411	11.411	0.000	92	341130	50.0	53.9	
116 Chlorobenzene	112	11.434	11.434	0.000	96	688820	50.0	52.1	
117 1,1,1,2-Tetrachloroethane	131	11.514	11.514	0.000	47	282594	50.0	56.0	
118 Ethylbenzene	91	11.514	11.514	0.000	98	1231323	50.0	54.4	
119 m-Xylene & p-Xylene	106	11.623	11.623	0.000	0	959508	100.0	108.6	
272 n-Butyl acrylate	55	11.890	11.890	0.000	97	387532	50.0	56.6	

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	11.945	11.945	0.000	96	511559	50.0	55.0	
121 Styrene	104	11.961	11.961	0.000	94	742211	50.0	57.9	
122 Bromoform	173	12.118	12.118	0.000	97	152500	50.0	49.1	
123 Isopropylbenzene	105	12.237	12.237	0.000	95	1260240	50.0	56.5	
124 Cyclohexanone	55	12.324	12.324	0.000	90	223691	624.9	687.5	
\$ 125 4-Bromofluorobenzene (Surr)	95	12.379	12.379	0.000	90	289227	50.0	49.4	
126 1,1,2,2-Tetrachloroethane	83	12.479	12.479	0.000	94	367114	50.0	54.9	
127 Bromobenzene	156	12.498	12.498	0.000	97	283473	50.0	53.3	
128 trans-1,4-Dichloro-2-butene	53	12.504	12.504	0.000	90	228886	125.0	138.5	
129 1,2,3-Trichloropropane	110	12.527	12.527	0.000	84	115223	50.0	52.7	
130 N-Propylbenzene	91	12.559	12.559	0.000	99	1486265	50.0	55.9	
131 2-Chlorotoluene	126	12.636	12.636	0.000	97	307815	50.0	54.8	
132 1,3,5-Trimethylbenzene	105	12.691	12.691	0.000	95	1163716	50.0	57.8	
133 4-Chlorotoluene	126	12.729	12.729	0.000	97	287529	50.0	54.5	
134 tert-Butylbenzene	134	12.932	12.932	0.000	92	244873	50.0	58.0	
136 1,2,4-Trimethylbenzene	105	12.970	12.970	0.000	97	1139636	50.0	57.4	
137 sec-Butylbenzene	105	13.089	13.089	0.000	94	1523073	50.0	58.7	
138 1,3-Dichlorobenzene	146	13.189	13.189	0.000	98	544141	50.0	53.8	
139 4-Isopropyltoluene	119	13.196	13.196	0.000	97	1299178	50.0	59.3	
* 140 1,4-Dichlorobenzene-d4	152	13.244	13.244	0.000	94	320507	50.0	50.0	
141 1,4-Dichlorobenzene	146	13.263	13.263	0.000	95	537763	50.0	53.3	
142 1,2,3-Trimethylbenzene	105	13.273	13.273	0.000	98	1212538	50.0	56.8	
143 Benzyl chloride	91	13.340	13.340	0.000	98	558358	50.0	56.4	
144 1,3-Diethylbenzene	119	13.392	13.392	0.000	95	697050	50.0	57.4	
145 p-Diethylbenzene	119	13.462	13.462	0.000	93	720420	50.0	57.6	
146 n-Butylbenzene	92	13.482	13.482	0.000	97	570825	50.0	56.8	a
147 1,2-Dichlorobenzene	146	13.520	13.520	0.000	98	540121	50.0	53.5	
148 o-diethylbenzene	119	13.536	13.536	0.000	95	636376	50.0	58.1	
150 1,2-Dibromo-3-Chloropropane	75	14.057	14.057	0.000	87	87522	50.0	54.8	
151 1,3,5-Trichlorobenzene	180	14.176	14.176	0.000	98	405364	50.0	54.9	
152 1,2,4-Trichlorobenzene	180	14.597	14.597	0.000	94	352359	50.0	55.1	
267 2-Ethylhexyl acrylate	55	14.652	14.652	0.000	80	291143	50.0	47.8	
153 Hexachlorobutadiene	225	14.678	14.678	0.000	98	148168	50.0	55.2	
154 Naphthalene	128	14.787	14.787	0.000	97	1327386	50.0	56.3	
155 1,2,3-Trichlorobenzene	180	14.929	14.929	0.000	96	354522	50.0	54.2	
156 2-Methylnaphthalene	142	15.581	15.581	0.000	92	702023	50.0	56.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00229	Amount Added: 5.00	Units: uL	
MSV_CCV_GASES_00998	Amount Added: 2.50	Units: uL	
MSV_CCV_VOC#3_00230	Amount Added: 4.00	Units: uL	
MSV_CCV_2CEVE_00221	Amount Added: 5.00	Units: uL	
MSV_CCV_OH_Sp_00020	Amount Added: 5.00	Units: uL	
MSV_CCV_CYC_00011	Amount Added: 10.00	Units: uL	
MSV_CCV_ETOH_00009	Amount Added: 10.00	Units: uL	
MSV_Cent_ISSS_00035	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 31-Mar-2025 21:33:49

Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X16.D

Injection Date: 31-Mar-2025 16:03:45

Instrument ID: 7159

Operator ID: kas02648

Lims ID: ICIS v50

Worklist Smp#: 16

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

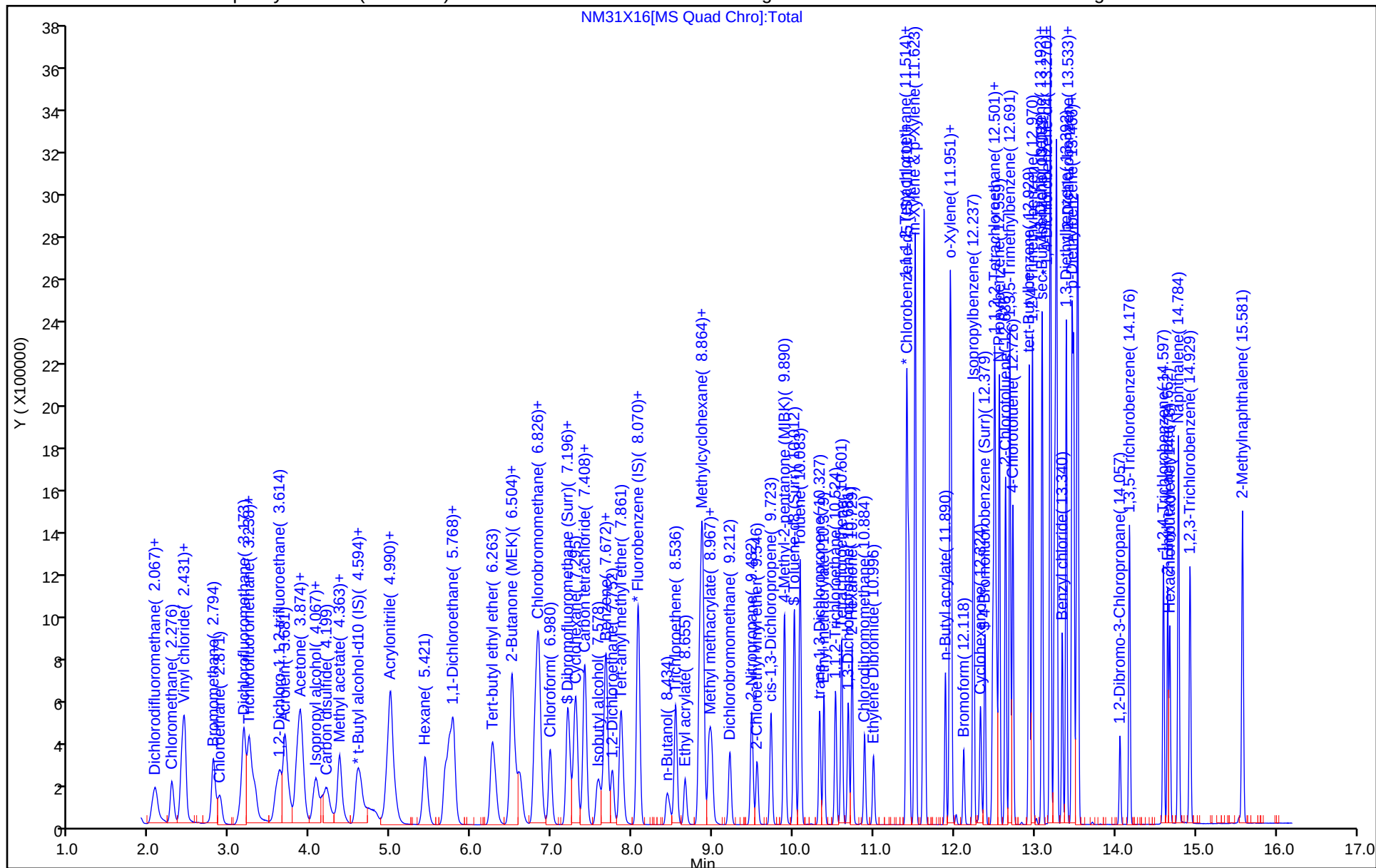
ALS Bottle#: 16

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC

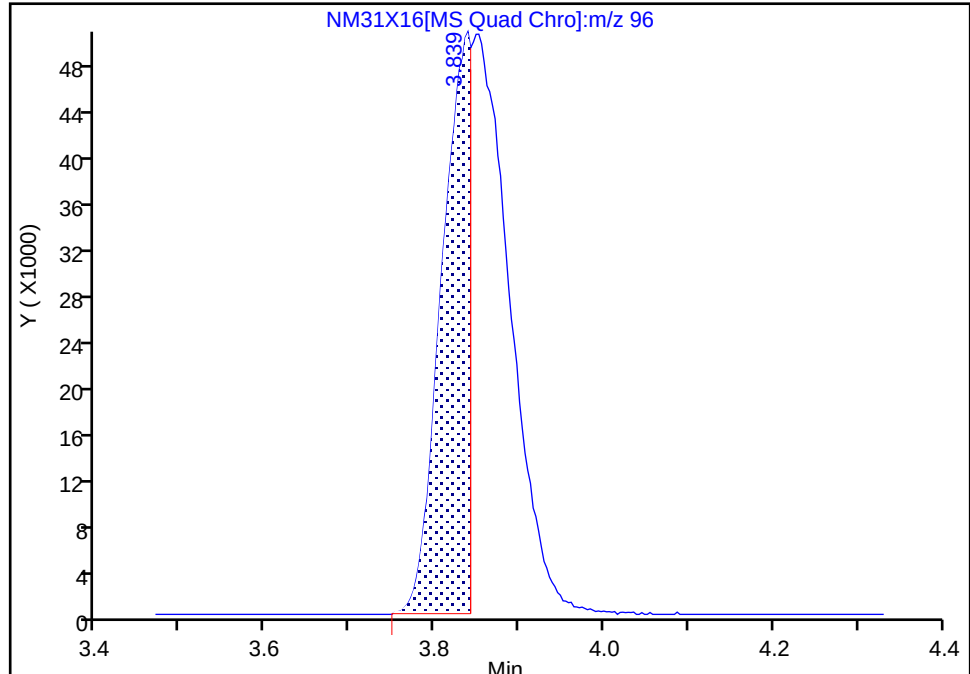
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X16.D
Injection Date: 31-Mar-2025 16:03:45 Instrument ID: 7159
Lims ID: ICIS v50
Client ID:
Operator ID: kas02648 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

19 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

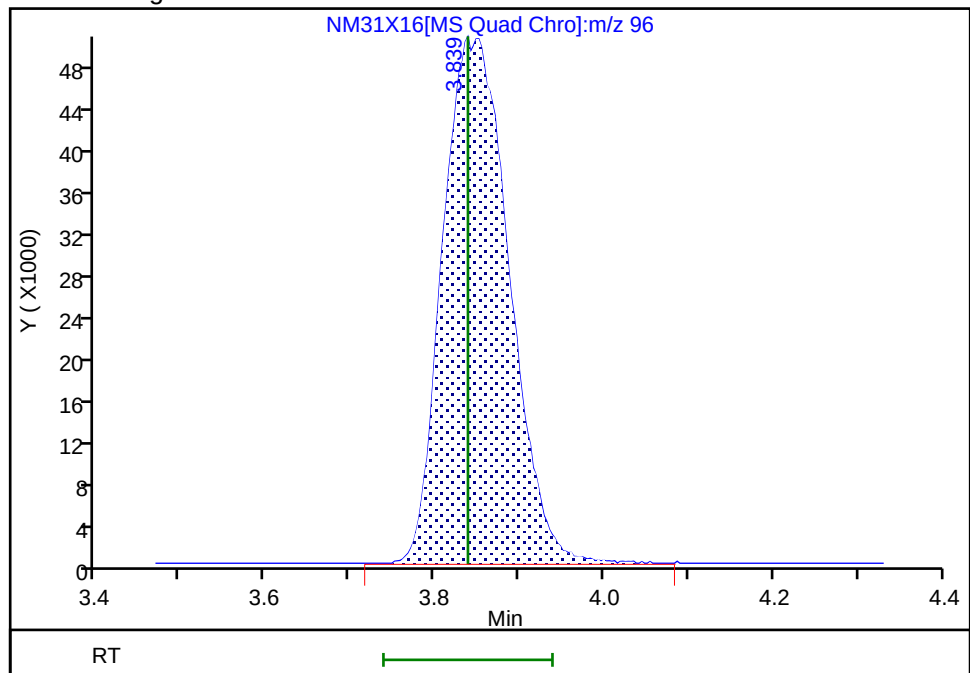
RT: 3.84
Area: 119330
Amount: 45.827398
Amount Units: ug/l

Processing Integration Results



RT: 3.84
Area: 273865
Amount: 53.010721
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:28:45 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

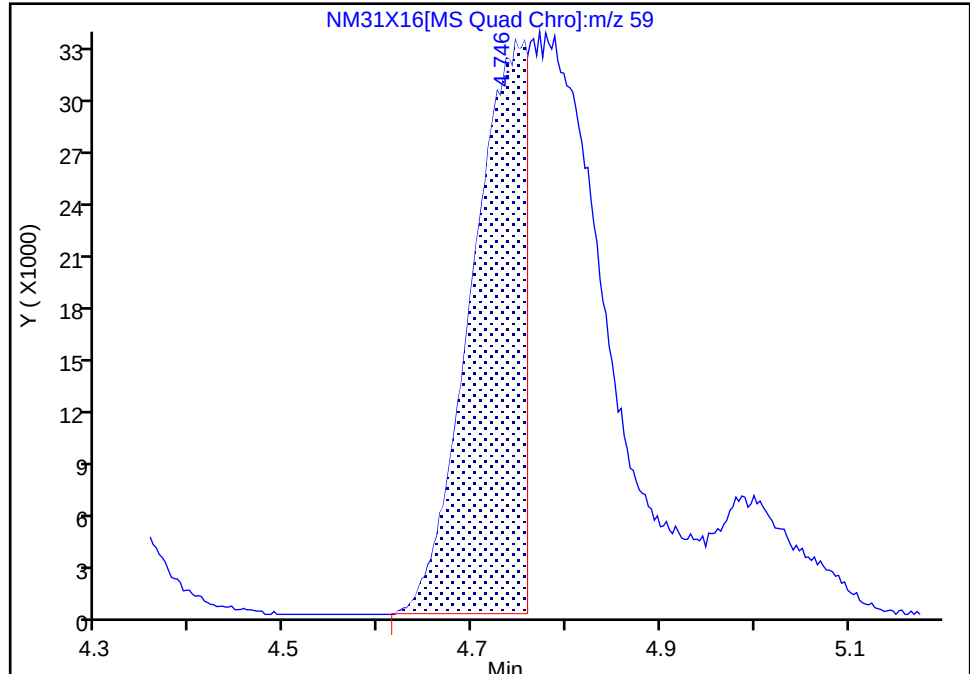
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X16.D
Injection Date: 31-Mar-2025 16:03:45 Instrument ID: 7159
Lims ID: ICIS v50
Client ID:
Operator ID: kas02648 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

30 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

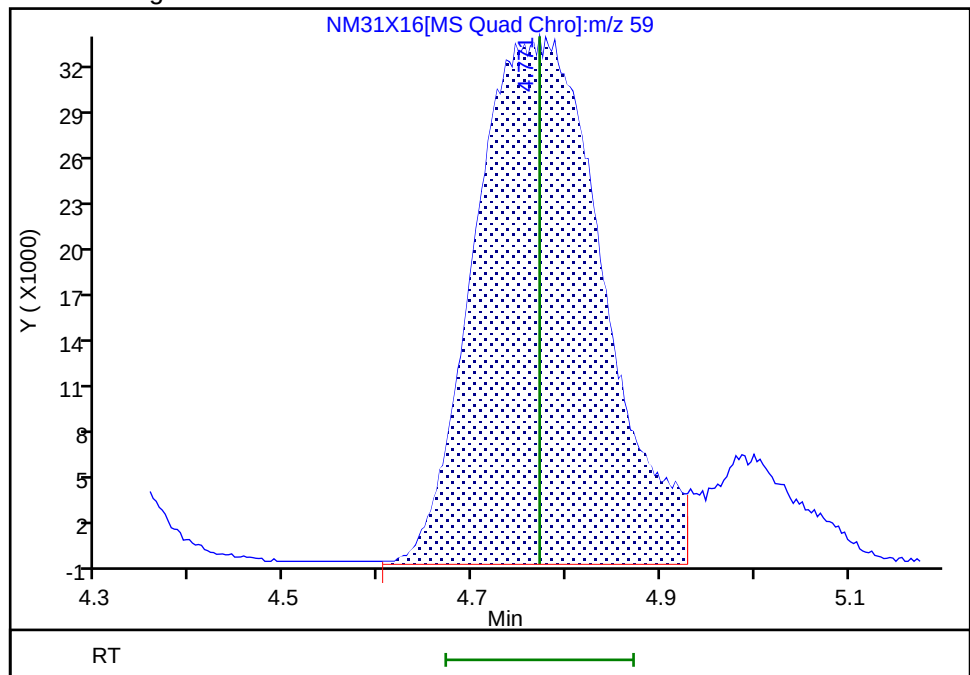
RT: 4.75
Area: 133323
Amount: 180.5333
Amount Units: ug/l

Processing Integration Results



RT: 4.77
Area: 316983
Amount: 261.4748
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:29:10 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

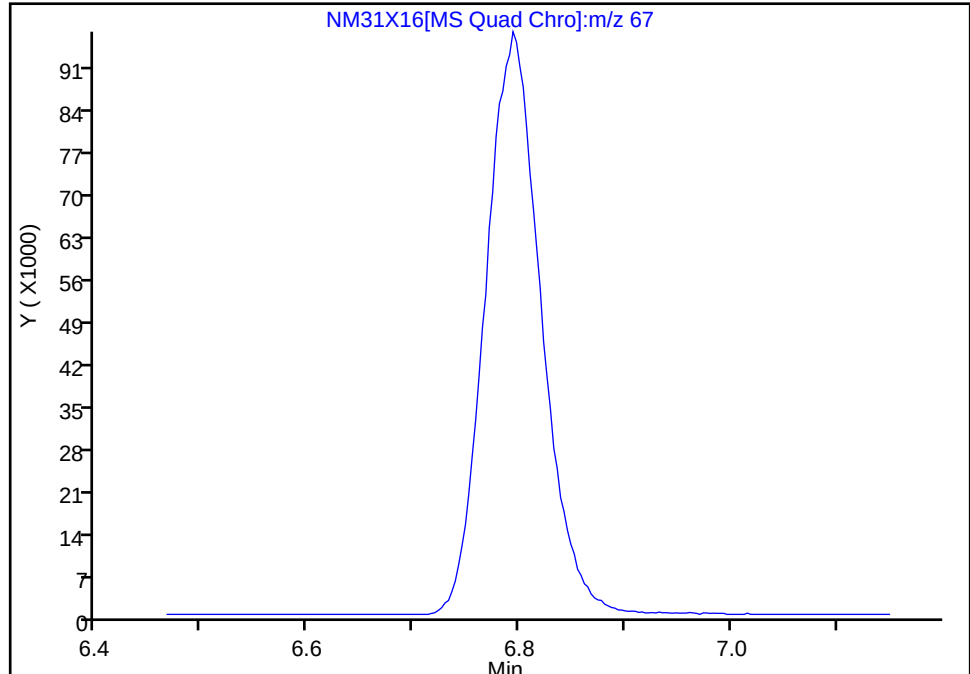
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X16.D
Injection Date: 31-Mar-2025 16:03:45 Instrument ID: 7159
Lims ID: ICIS v50
Client ID:
Operator ID: kas02648 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

47 Methacrylonitrile, CAS: 126-98-7

Signal: 1

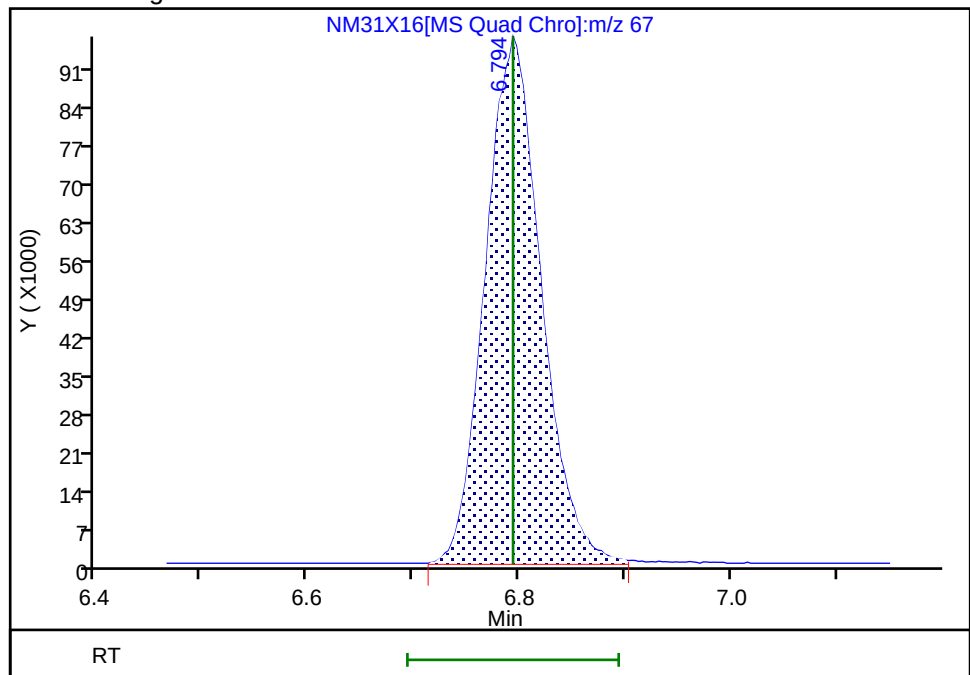
Not Detected
Expected RT: 6.79

Processing Integration Results



RT: 6.79
Area: 353960
Amount: 132.9891
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:29:26 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

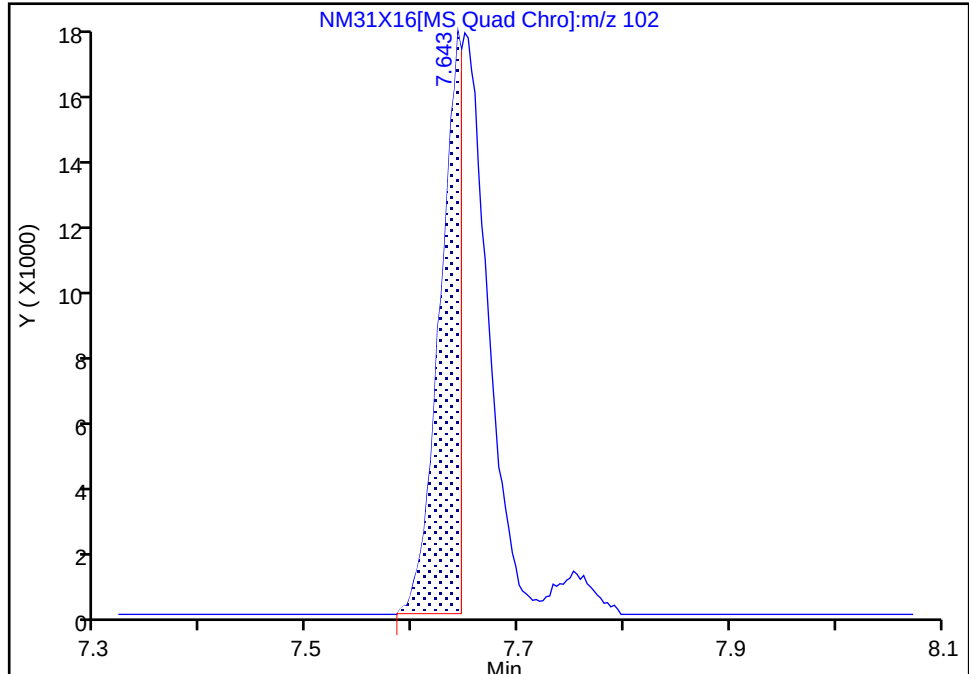
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X16.D
Injection Date: 31-Mar-2025 16:03:45 Instrument ID: 7159
Lims ID: ICIS v50
Client ID:
Operator ID: kas02648 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

\$ 59 1,2-Dichloroethane-d4 (Surr), CAS: 17060-07-0

Signal: 1

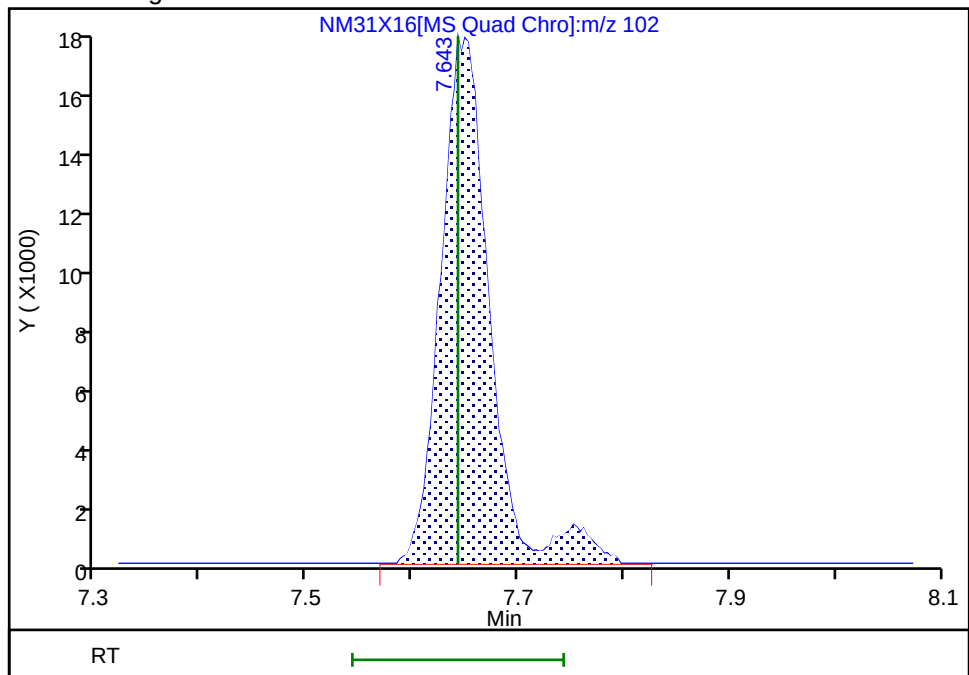
RT: 7.64
Area: 25678
Amount: 29.954670
Amount Units: ug/l

Processing Integration Results



RT: 7.64
Area: 57909
Amount: 52.652782
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:29:42 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

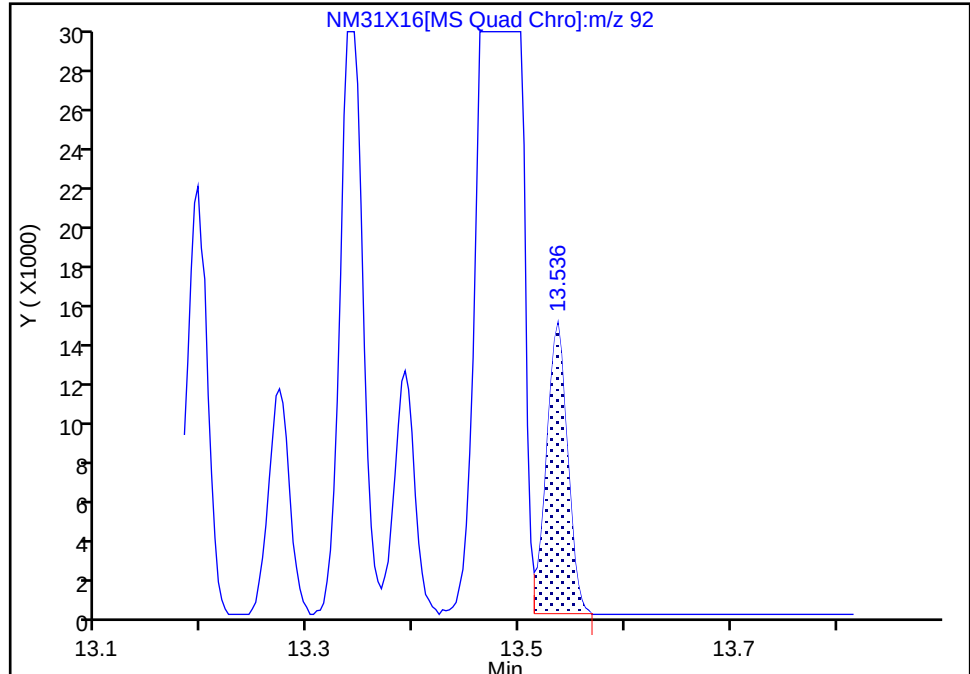
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X16.D
Injection Date: 31-Mar-2025 16:03:45 Instrument ID: 7159
Lims ID: ICIS v50
Client ID:
Operator ID: kas02648 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

146 n-Butylbenzene, CAS: 104-51-8

Signal: 1

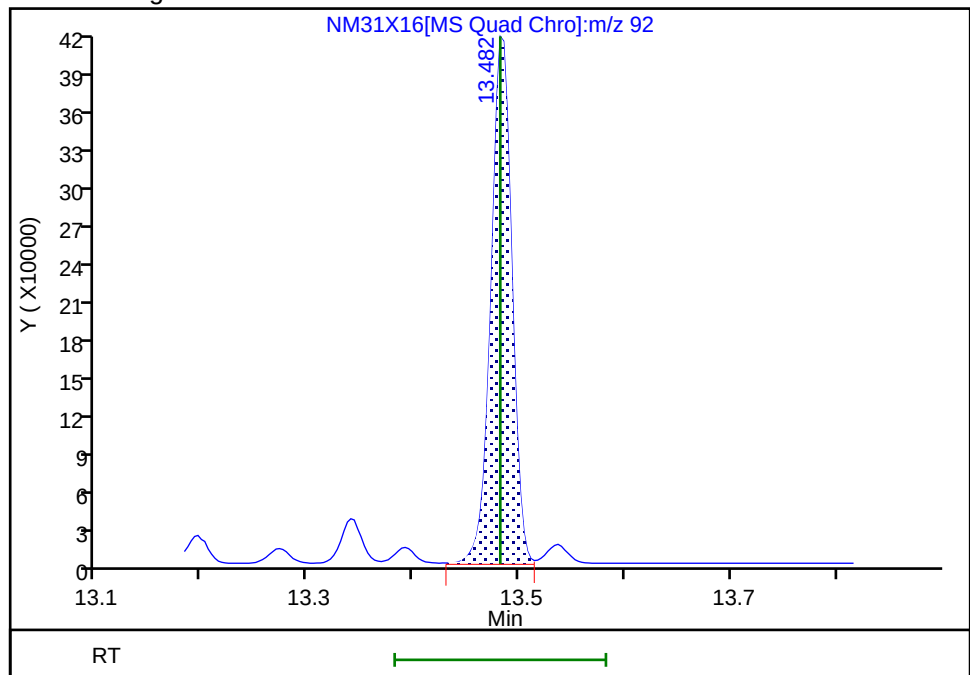
RT: 13.54
Area: 20797
Amount: 5.553839
Amount Units: ug/l

Processing Integration Results



RT: 13.48
Area: 570825
Amount: 56.831228
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:30:11 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X17.D
 Lims ID: IC v100
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 31-Mar-2025 16:24:09 ALS Bottle#: 17 Worklist Smp#: 17
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0142514-017
 Operator ID: kas02648 Instrument ID: 7159
 Sublist: chrom-MSVoa_7159*sub31
 Method: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 31-Mar-2025 21:34:02 Calib Date: 31-Mar-2025 16:43:59
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1685

First Level Reviewer: UKAD

Date: 31-Mar-2025 18:28:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.061	2.067	-0.006	99	970551	100.0	99.7	
6 Chloromethane	50	2.273	2.276	-0.003	99	706029	100.0	94.4	
7 Vinyl chloride	62	2.395	2.408	-0.013	98	757472	100.0	95.4	
8 Butadiene	39	2.424	2.434	-0.010	88	619649	100.0	95.5	
10 Bromomethane	94	2.784	2.794	-0.010	90	743596	100.0	96.3	
11 Chloroethane	64	2.868	2.871	-0.003	99	520275	100.0	96.6	
12 Dichlorofluoromethane	67	3.164	3.170	-0.006	97	1517720	100.0	96.5	
13 Trichlorofluoromethane	101	3.222	3.231	-0.009	96	1182204	100.0	100.1	
14 Pentane	43	3.238	3.244	-0.006	96	898458	100.0	96.5	
16 Ethanol	45	3.405	3.434	-0.029	97	251440	2500.0	2533.9	
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.604	3.614	-0.010	91	706550	100.0	97.9	
18 Acrolein	56	3.681	3.685	-0.004	100	1786237	975.8	984.8	
19 1,1-Dichloroethene	96	3.839	3.839	0.000	96	529565	100.0	96.9	M
21 Acetone	58	3.881	3.874	0.007	78	182084	200.0	211.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.868	3.874	-0.006	91	671670	100.0	97.7	
23 Iodomethane	142	4.064	4.067	-0.003	98	1094025	100.0	99.3	
24 Isopropyl alcohol	45	4.071	4.067	0.004	40	446920	500.0	470.2	
25 Carbon disulfide	76	4.193	4.205	-0.012	99	1703738	100.0	103.4	
26 Methyl acetate	43	4.337	4.340	-0.003	97	503160	100.0	97.1	
27 3-Chloro-1-propene	41	4.357	4.363	-0.006	92	681923	100.0	100.3	
28 Methylene Chloride	84	4.588	4.594	-0.006	89	610642	100.0	95.6	M
* 29 t-Butyl alcohol-d10 (IS)	65	4.640	4.636	0.004	94	354023	250.0	250.0	
30 2-Methyl-2-propanol	59	4.755	4.771	-0.016	99	640563	500.0	496.0	
32 Acrylonitrile	53	4.948	4.948	0.000	99	734337	250.0	244.2	
33 Methyl tert-butyl ether	73	4.984	4.987	-0.003	94	1580821	100.0	99.1	
34 trans-1,2-Dichloroethene	96	4.993	4.996	-0.003	98	512427	100.0	97.2	
36 Hexane	57	5.418	5.421	-0.003	90	698383	100.0	100.4	
37 1,1-Dichloroethane	63	5.669	5.672	-0.003	96	838012	100.0	97.3	
38 Isopropyl ether	45	5.726	5.729	-0.003	93	1465234	100.0	99.7	
39 2-Chloro-1,3-butadiene	53	5.768	5.775	-0.006	90	697336	100.0	103.5	
S 42 1,2-Dichloroethene, Total	100				0			195.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	6.260	6.263	-0.003	99	1548845	100.0	102.1	
43 2-Butanone (MEK)	43	6.485	6.485	0.000	99	749729	200.0	210.6	
44 cis-1,2-Dichloroethene	96	6.495	6.501	-0.006	78	598185	100.0	97.9	
45 2,2-Dichloropropane	77	6.521	6.520	0.001	87	796656	100.0	100.4	
46 Propionitrile	54	6.588	6.594	-0.006	96	681190	500.0	501.1	
183 Methyl acrylate	55	6.607	6.607	0.000	100	672921	100.0	105.5	
47 Methacrylonitrile	67	6.794	6.794	0.000	94	727622	250.0	258.5	
48 Chlorobromomethane	128	6.829	6.832	-0.003	90	304984	100.0	100.0	
49 Tetrahydrofuran	71	6.836	6.842	-0.006	89	582421	500.0	501.4	
50 Chloroform	83	6.977	6.980	-0.003	93	884760	100.0	97.6	
\$ 51 Dibromofluoromethane (Surr)	113	7.193	7.192	0.001	93	231117	50.0	49.4	
52 1,1,1-Trichloroethane	97	7.202	7.205	-0.003	98	882468	100.0	100.1	
53 Cyclohexane	56	7.289	7.292	-0.003	87	1039635	100.0	100.1	
56 Carbon tetrachloride	117	7.405	7.408	-0.003	97	768496	100.0	104.5	
55 1,1-Dichloropropene	75	7.408	7.411	-0.003	99	705218	100.0	100.6	
57 Isobutyl alcohol	41	7.572	7.572	0.000	95	494001	1250.0	1296.7	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.649	7.643	0.006	0	57429	50.0	49.4	
60 Benzene	78	7.672	7.675	-0.003	95	2077318	100.0	98.7	
61 1,2-Dichloroethane	62	7.749	7.752	-0.003	98	628692	100.0	97.0	
62 Tert-amyl methyl ether	73	7.858	7.861	-0.003	99	1540943	100.0	103.8	
64 n-Heptane	43	8.067	8.070	-0.003	87	602675	100.0	102.1	
* 63 Fluorobenzene (IS)	96	8.067	8.073	-0.006	97	886856	50.0	50.0	
66 n-Butanol	56	8.431	8.434	-0.003	89	406139	1250.0	1315.7	
67 Trichloroethene	95	8.540	8.536	0.004	98	541288	100.0	100.8	
178 Ethyl acrylate	55	8.656	8.655	0.001	99	678745	100.0	114.1	
68 Methylcyclohexane	83	8.839	8.839	0.000	97	1150844	100.0	103.9	
70 2-ethoxy-2-methyl butane	87	8.871	8.871	0.000	95	816947	100.0	106.6	
69 1,2-Dichloropropane	63	8.877	8.877	0.000	87	508226	100.0	101.8	
71 Methyl methacrylate	69	8.955	8.951	0.004	88	421060	100.0	111.5	
72 1,4-Dioxane	88	8.958	8.961	-0.003	78	136232	1250.0	1289.4	
73 Dibromomethane	93	8.984	8.983	0.001	95	338820	100.0	101.8	
75 Dichlorobromomethane	83	9.209	9.209	0.001	99	633804	100.0	108.9	
76 2-Nitropropane	41	9.482	9.482	0.000	97	887347	500.0	596.4	M
78 2-Chloroethyl vinyl ether	63	9.549	9.549	0.000	92	342347	100.0	112.5	
79 cis-1,3-Dichloropropene	75	9.720	9.723	-0.003	97	785412	100.0	110.8	
80 4-Methyl-2-pentanone (MIBK)	43	9.890	9.890	0.000	95	1478171	200.0	222.8	
\$ 81 Toluene-d8 (Surr)	98	10.012	10.012	0.000	92	870115	50.0	49.3	
S 104 1,3-Dichloropropene, Total	100				0			220.0	
82 Toluene	92	10.083	10.083	0.000	99	1273624	100.0	98.4	
105 trans-1,3-Dichloropropene	75	10.328	10.327	0.001	90	677311	100.0	109.2	
106 Ethyl methacrylate	69	10.379	10.382	-0.003	88	731818	100.0	114.6	
107 1,1,2-Trichloroethane	97	10.524	10.524	0.000	90	454211	100.0	100.3	
108 Tetrachloroethene	166	10.601	10.601	0.000	97	577325	100.0	99.2	
109 1,3-Dichloropropane	76	10.681	10.681	0.000	88	745422	100.0	99.7	
110 2-Hexanone	43	10.730	10.729	0.001	95	993422	200.0	219.1	
111 Chlorodibromomethane	129	10.887	10.884	0.003	90	508293	100.0	114.6	
112 Ethylene Dibromide	107	10.996	10.996	0.000	98	481696	100.0	104.0	
S 113 Xylenes, Total	106				0			308.9	
* 114 Chlorobenzene-d5 (IS)	117	11.408	11.408	0.000	78	679607	50.0	50.0	
115 1-Chlorohexane	91	11.411	11.411	0.000	94	705473	100.0	101.5	
116 Chlorobenzene	112	11.434	11.434	0.000	96	1442161	100.0	99.3	
117 1,1,1,2-Tetrachloroethane	131	11.514	11.514	0.000	96	595843	100.0	107.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
118 Ethylbenzene	91	11.514	11.514	0.000	97	2518879	100.0	101.3	
119 m-Xylene & p-Xylene	106	11.623	11.623	0.000	0	1993519	200.0	205.6	
272 n-Butyl acrylate	55	11.890	11.890	0.000	97	854326	100.0	113.7	
120 o-Xylene	106	11.948	11.945	0.003	96	1054453	100.0	103.3	
121 Styrene	104	11.961	11.961	0.000	94	1557318	100.0	110.6	
122 Bromoform	173	12.119	12.118	0.001	97	347165	100.0	98.0	
123 Isopropylbenzene	105	12.238	12.237	0.001	95	2563700	100.0	104.7	
124 Cyclohexanone	55	12.324	12.324	0.000	90	475915	1249.9	1372.9	
\$ 125 4-Bromofluorobenzene (Surr)	95	12.379	12.379	0.000	90	313407	50.0	48.7	
126 1,1,2,2-Tetrachloroethane	83	12.479	12.479	0.000	94	765327	100.0	106.3	
127 Bromobenzene	156	12.498	12.498	0.000	96	596242	100.0	104.1	
128 trans-1,4-Dichloro-2-butene	53	12.504	12.504	0.000	88	476205	250.0	267.7	
129 1,2,3-Trichloropropane	110	12.527	12.527	0.000	75	236599	100.0	100.6	a
130 N-Propylbenzene	91	12.559	12.559	0.000	99	3009775	100.0	105.1	
131 2-Chlorotoluene	126	12.636	12.636	0.000	97	632220	100.0	104.6	
132 1,3,5-Trimethylbenzene	105	12.691	12.691	0.000	95	2391381	100.0	110.3	
133 4-Chlorotoluene	126	12.726	12.729	-0.003	97	588683	100.0	103.7	
134 tert-Butylbenzene	134	12.929	12.932	-0.003	92	512525	100.0	112.9	
136 1,2,4-Trimethylbenzene	105	12.971	12.970	0.001	97	2337261	100.0	109.4	
137 sec-Butylbenzene	105	13.090	13.089	0.001	94	3128380	100.0	111.9	
138 1,3-Dichlorobenzene	146	13.189	13.189	0.000	98	1133562	100.0	104.1	
139 4-Isopropyltoluene	119	13.196	13.196	0.000	97	2685286	100.0	113.8	
* 140 1,4-Dichlorobenzene-d4	152	13.244	13.244	0.000	93	345057	50.0	50.0	
141 1,4-Dichlorobenzene	146	13.263	13.263	0.000	95	1105940	100.0	101.8	
142 1,2,3-Trimethylbenzene	105	13.273	13.273	0.000	98	2489323	100.0	108.3	
143 Benzyl chloride	91	13.340	13.340	0.000	98	1224932	100.0	114.9	
144 1,3-Diethylbenzene	119	13.392	13.392	0.000	95	1442687	100.0	110.4	
145 p-Diethylbenzene	119	13.463	13.462	0.001	94	1488260	100.0	110.5	
146 n-Butylbenzene	92	13.485	13.482	0.003	97	1157695	100.0	107.1	a
147 1,2-Dichlorobenzene	146	13.524	13.520	0.004	98	1107278	100.0	101.9	
148 o-diethylbenzene	119	13.537	13.536	0.001	94	1302094	100.0	110.4	
150 1,2-Dibromo-3-Chloropropane	75	14.057	14.057	0.000	94	190626	100.0	110.9	
151 1,3,5-Trichlorobenzene	180	14.176	14.176	0.000	98	841063	100.0	105.8	
152 1,2,4-Trichlorobenzene	180	14.601	14.597	0.004	94	739114	100.0	107.4	
267 2-Ethylhexyl acrylate	55	14.649	14.652	-0.003	79	672078	99.9	98.6	
153 Hexachlorobutadiene	225	14.678	14.678	0.000	98	301860	100.0	104.4	
154 Naphthalene	128	14.787	14.787	0.000	97	2709600	100.0	106.7	
155 1,2,3-Trichlorobenzene	180	14.929	14.929	0.000	96	736921	100.0	104.7	
156 2-Methylnaphthalene	142	15.581	15.581	0.000	92	1487646	100.0	111.3	
S 165 Total Diethylbenzene	1				0			331.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00229	Amount Added: 5.00	Units: uL	
MSV_CCV_GASES_00998	Amount Added: 2.50	Units: uL	
MSV_CCV_VOC#3_00230	Amount Added: 4.00	Units: uL	
MSV_CCV_2CEVE_00221	Amount Added: 5.00	Units: uL	
MSV_CCV_OH_Sp_00020	Amount Added: 5.00	Units: uL	
MSV_CCV_CYC_00011	Amount Added: 10.00	Units: uL	
MSV_CCV_ETOH_00009	Amount Added: 10.00	Units: uL	
MSV_Cent_ISSS_00035	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 31-Mar-2025 21:34:03

Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X17.D

Injection Date: 31-Mar-2025 16:24:09

Instrument ID: 7159

Operator ID: kas02648

Lims ID: IC v100

Worklist Smp#: 17

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

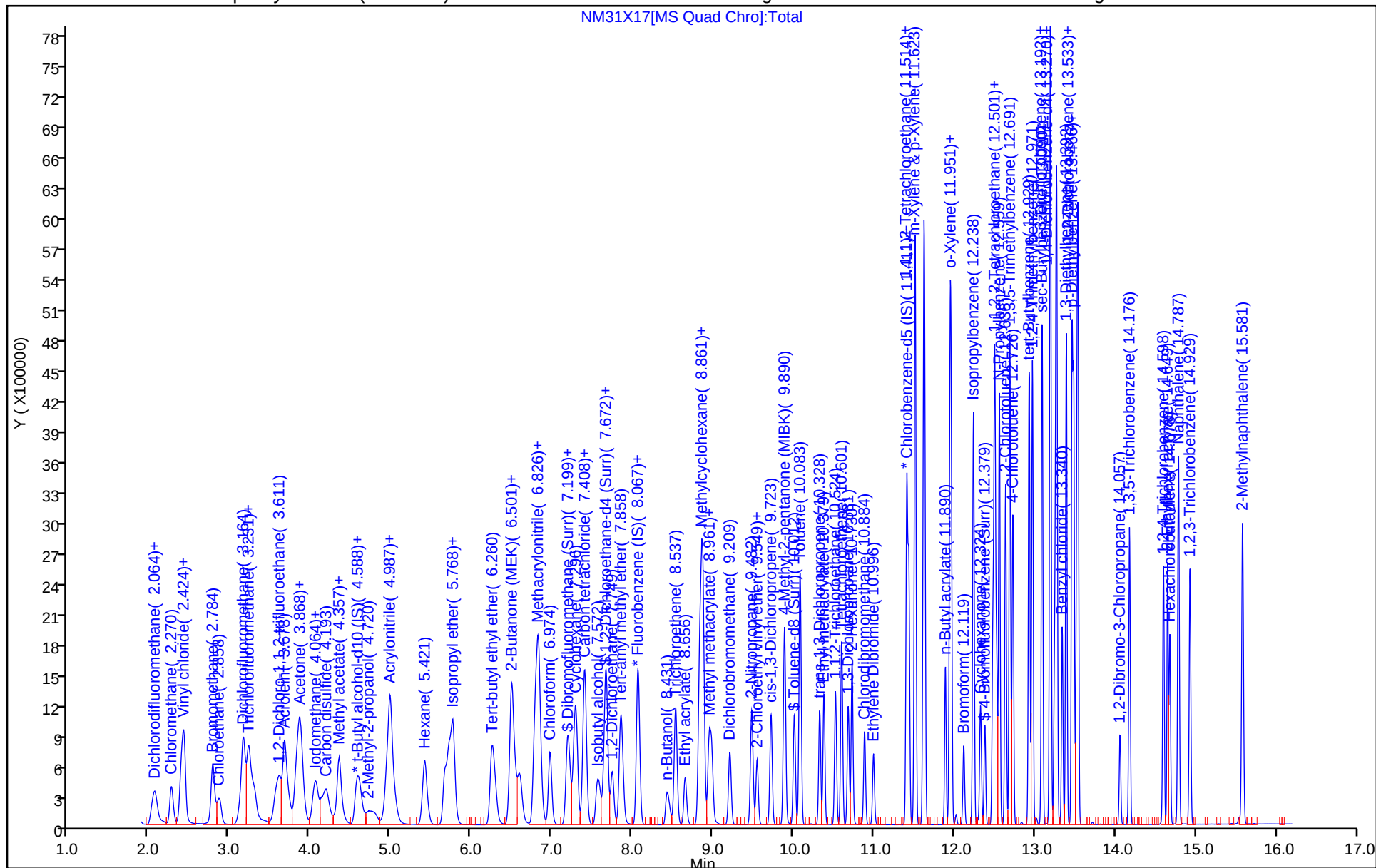
ALS Bottle#: 17

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC

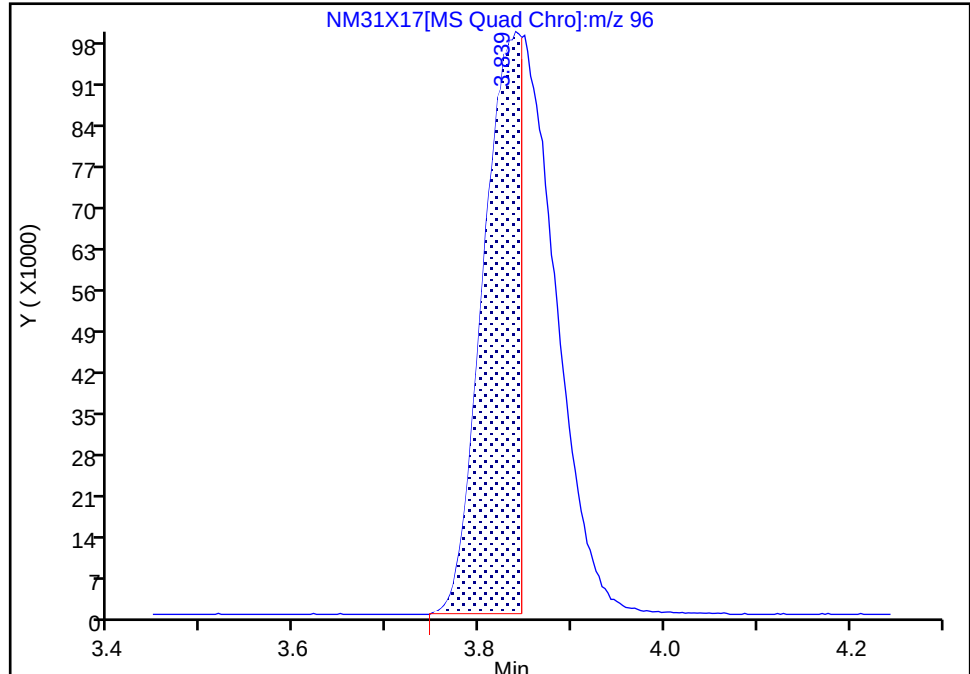
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X17.D
Injection Date: 31-Mar-2025 16:24:09 Instrument ID: 7159
Lims ID: IC v100
Client ID:
Operator ID: kas02648 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

19 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

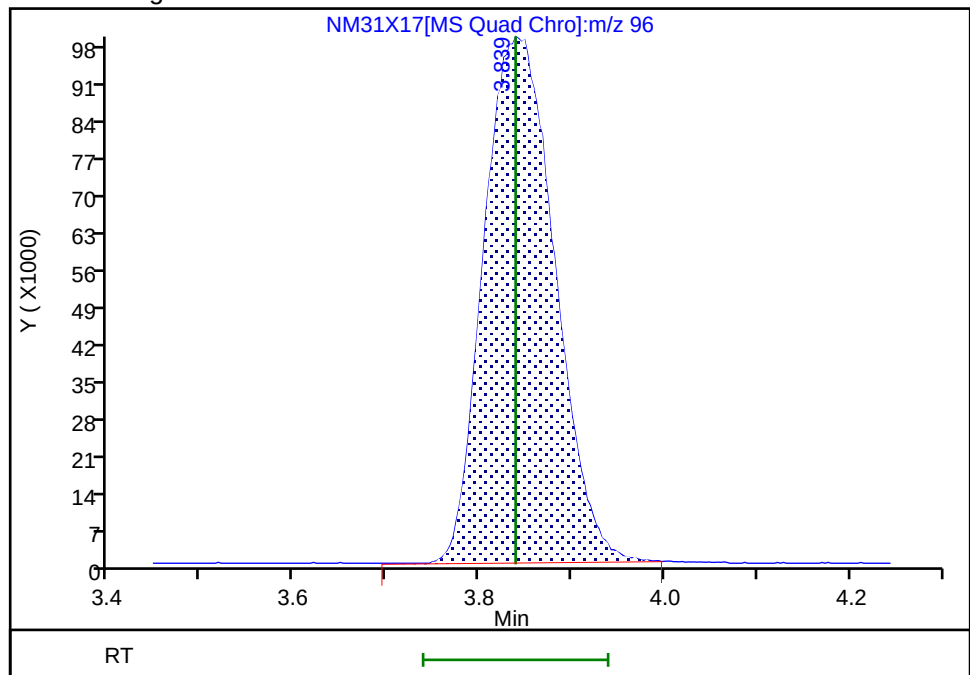
RT: 3.84
Area: 284360
Amount: 118.3285
Amount Units: ug/l

Processing Integration Results



RT: 3.84
Area: 529565
Amount: 96.938515
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:27:03 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

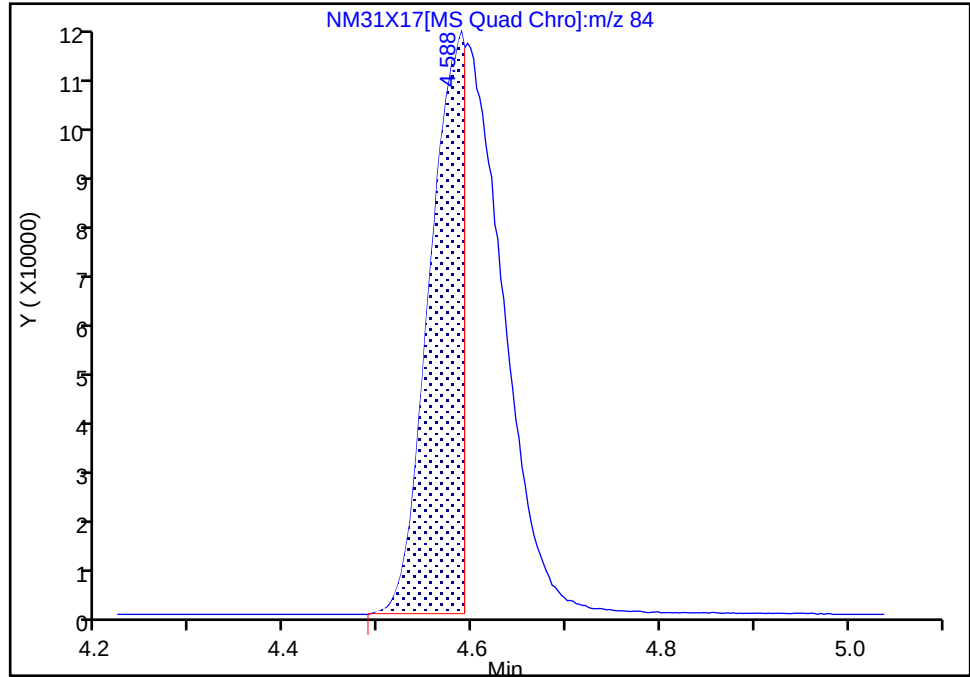
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X17.D
Injection Date: 31-Mar-2025 16:24:09 Instrument ID: 7159
Lims ID: IC v100
Client ID:
Operator ID: kas02648 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

28 Methylene Chloride, CAS: 75-09-2

Signal: 1

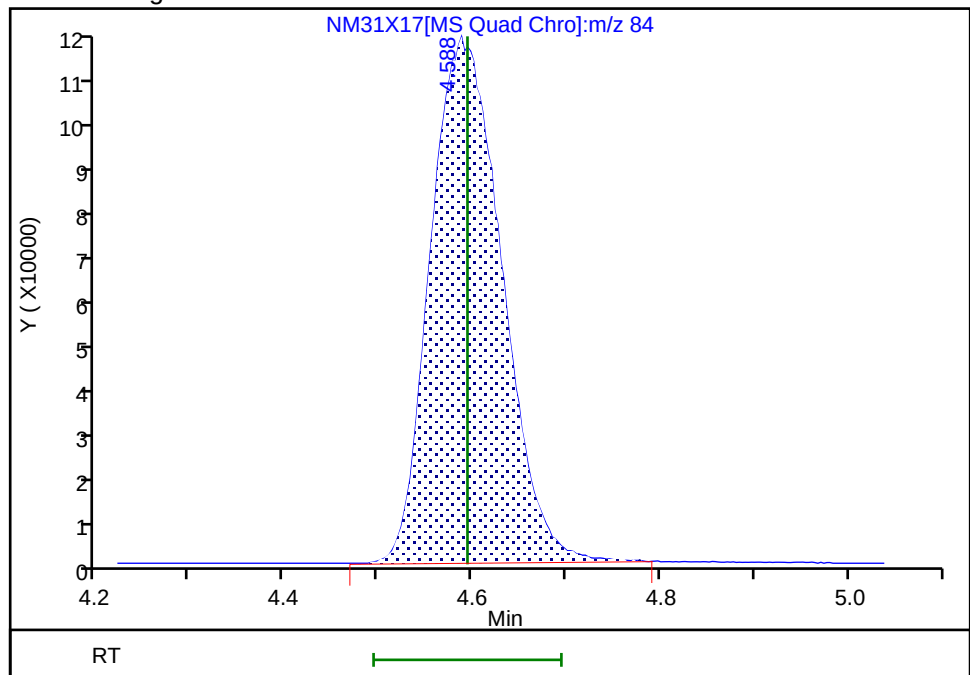
RT: 4.59
Area: 297560
Amount: 67.377467
Amount Units: ug/l

Processing Integration Results



RT: 4.59
Area: 610642
Amount: 95.638040
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:27:20 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

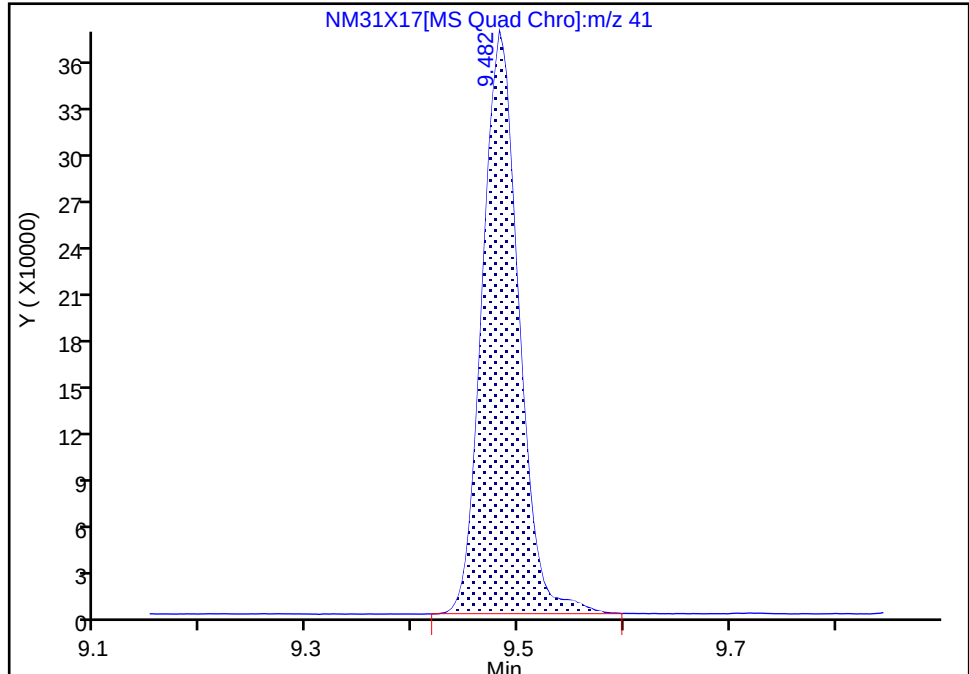
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X17.D
Injection Date: 31-Mar-2025 16:24:09 Instrument ID: 7159
Lims ID: IC v100
Client ID:
Operator ID: kas02648 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

76 2-Nitropropane, CAS: 79-46-9

Signal: 1

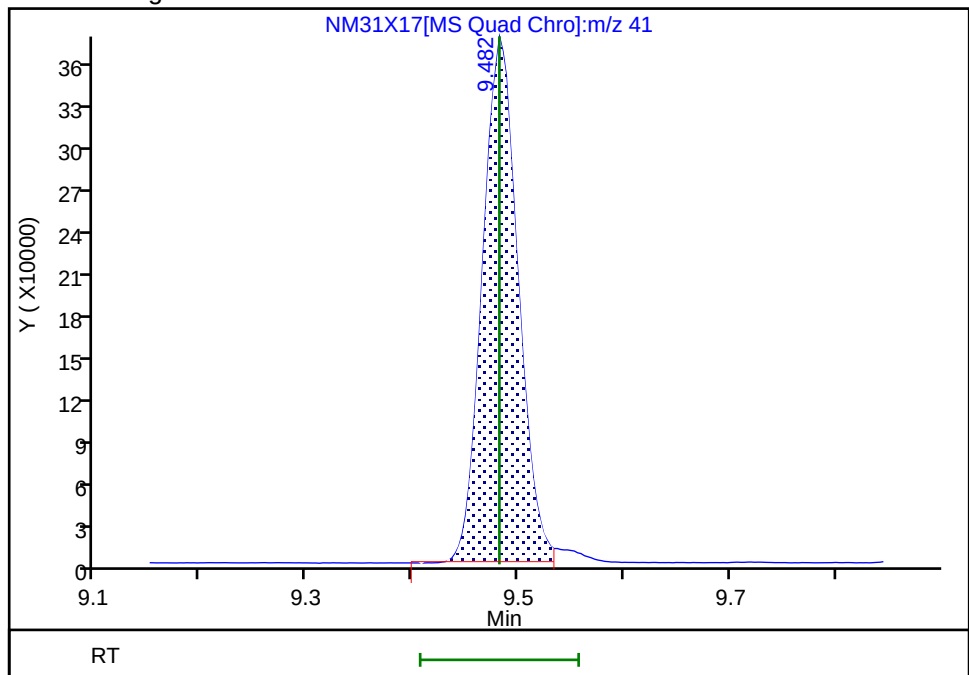
RT: 9.48
Area: 905688
Amount: 606.2685
Amount Units: ug/l

Processing Integration Results



RT: 9.48
Area: 887347
Amount: 596.4319
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 20:58:25 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

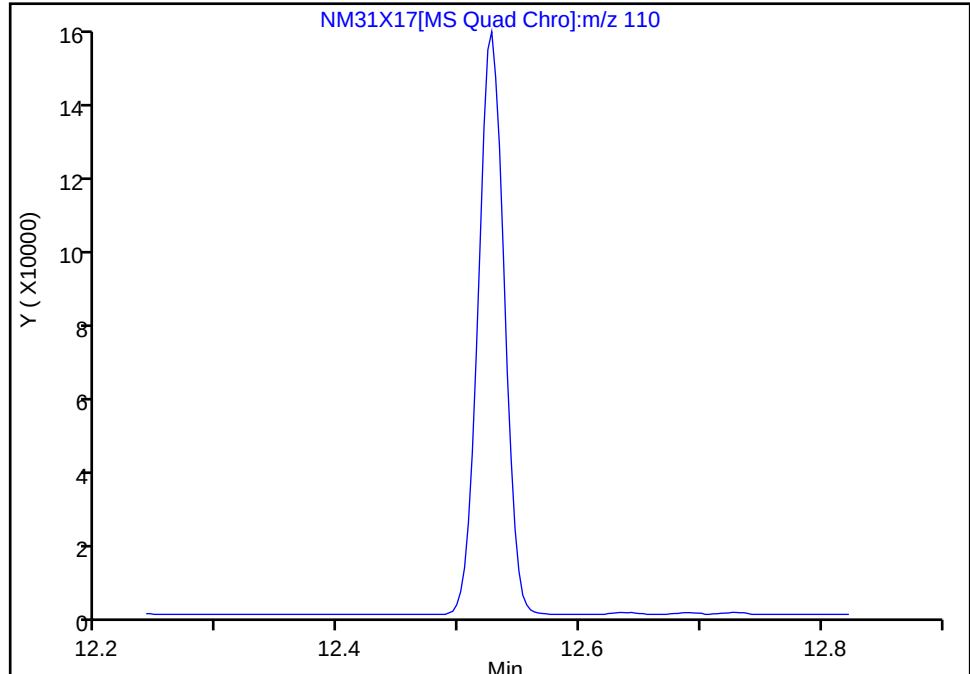
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X17.D
Injection Date: 31-Mar-2025 16:24:09 Instrument ID: 7159
Lims ID: IC v100
Client ID:
Operator ID: kas02648 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

129 1,2,3-Trichloropropane, CAS: 96-18-4
Signal: 1

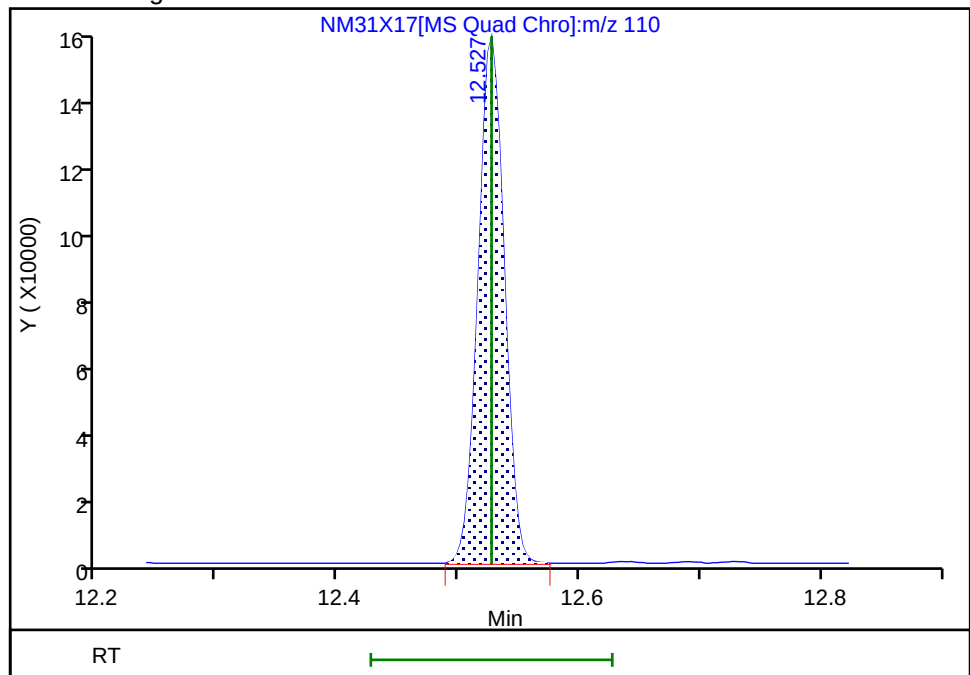
Not Detected
Expected RT: 12.53

Processing Integration Results



RT: 12.53
Area: 236599
Amount: 100.6101
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:27:46 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

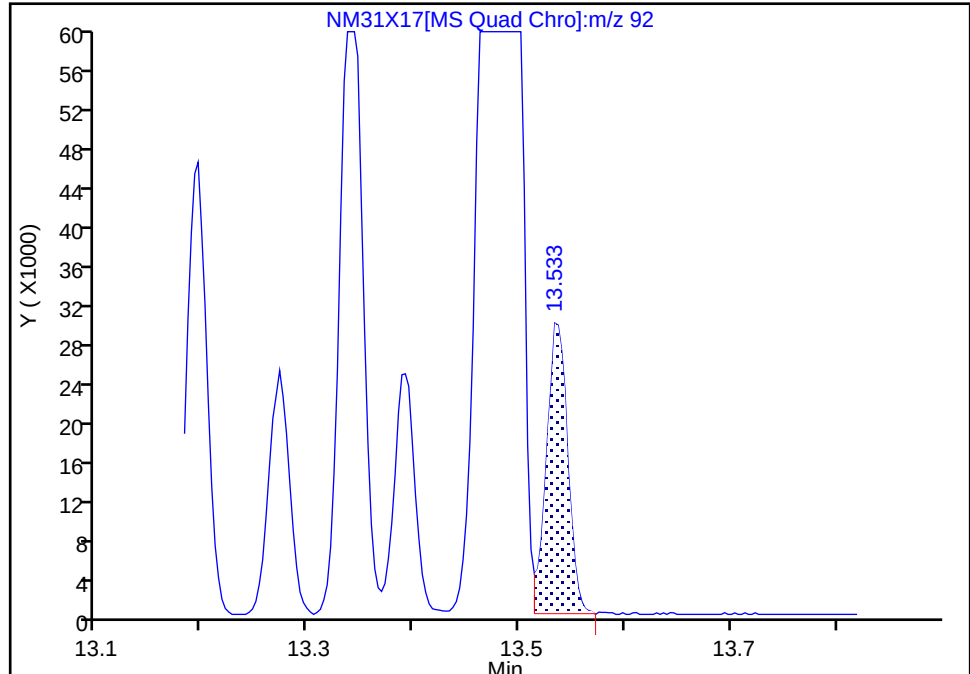
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X17.D
Injection Date: 31-Mar-2025 16:24:09 Instrument ID: 7159
Lims ID: IC v100
Client ID:
Operator ID: kas02648 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

146 n-Butylbenzene, CAS: 104-51-8

Signal: 1

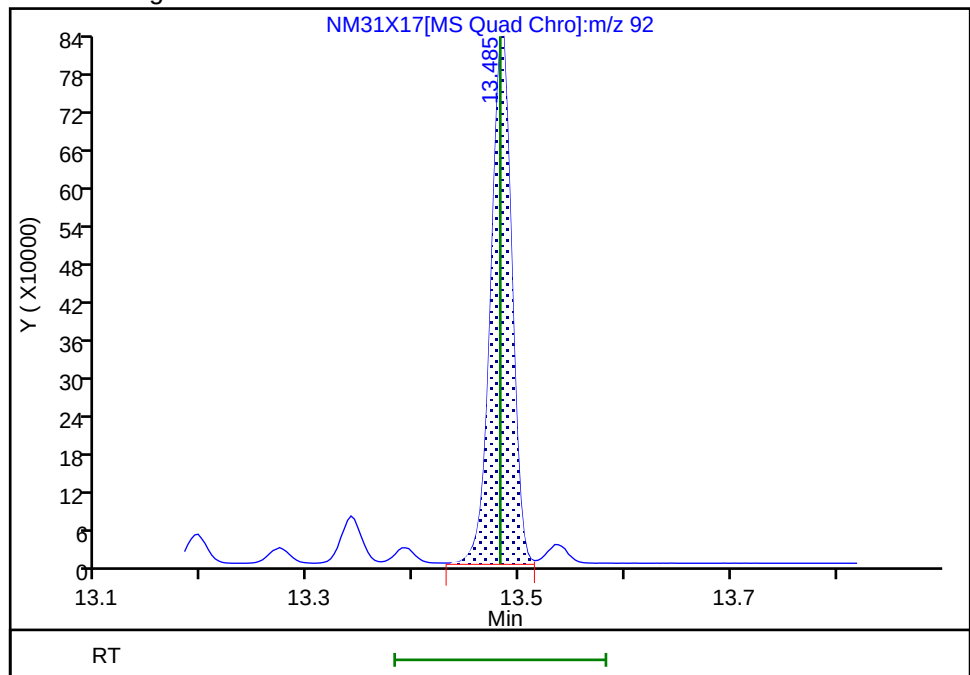
RT: 13.53
Area: 41613
Amount: 19.164945
Amount Units: ug/l

Processing Integration Results



RT: 13.49
Area: 1157695
Amount: 107.0594
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:28:00 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
 Lims ID: IC v300
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 31-Mar-2025 16:43:59 ALS Bottle#: 18 Worklist Smp#: 18
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0142514-018
 Operator ID: kas02648 Instrument ID: 7159
 Sublist: chrom-MSVoa_7159*sub31
 Method: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 31-Mar-2025 21:34:16 Calib Date: 31-Mar-2025 16:43:59
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1685

First Level Reviewer: UKAD

Date: 31-Mar-2025 18:26:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.051	2.067	-0.016	99	2910042	300.0	289.8	
6 Chloromethane	50	2.260	2.276	-0.016	99	1701158	300.0	220.4	
7 Vinyl chloride	62	2.382	2.408	-0.026	98	1956539	300.0	238.8	
8 Butadiene	39	2.411	2.434	-0.023	87	1600962	300.0	239.2	
10 Bromomethane	94	2.771	2.794	-0.023	89	2119077	300.0	266.0	
11 Chloroethane	64	2.855	2.871	-0.016	99	1454852	300.0	261.9	
12 Dichlorofluoromethane	67	3.157	3.170	-0.013	97	4446667	300.0	273.9	
13 Trichlorofluoromethane	101	3.209	3.231	-0.022	96	3580191	300.0	293.9	
14 Pentane	43	3.228	3.244	-0.016	96	2869502	300.0	298.6	
16 Ethanol	45	3.415	3.434	-0.019	97	753900	7500.0	7439.0	
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.601	3.614	-0.013	90	2112965	300.0	283.8	
18 Acrolein	56	3.672	3.685	-0.013	100	5158186	2927.4	2784.4	
19 1,1-Dichloroethene	96	3.839	3.839	0.000	96	1646900	300.0	292.1	
21 Acetone	58	3.868	3.874	-0.006	100	525139	600.0	598.0	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.861	3.874	-0.013	92	2041326	300.0	287.6	
23 Iodomethane	142	4.058	4.067	-0.009	98	3314055	300.0	291.5	
24 Isopropyl alcohol	45	4.064	4.067	-0.003	99	1196744	1500.0	1232.9	
25 Carbon disulfide	76	4.186	4.205	-0.019	99	5390453	300.0	316.9	
26 Methyl acetate	43	4.331	4.340	-0.009	97	1489117	300.0	278.6	
27 3-Chloro-1-propene	41	4.353	4.363	-0.010	95	2056136	300.0	293.2	
28 Methylene Chloride	84	4.585	4.594	-0.009	91	1849493	300.0	280.7	M
* 29 t-Butyl alcohol-d10 (IS)	65	4.643	4.636	0.007	92	361569	250.0	250.0	
30 2-Methyl-2-propanol	59	4.755	4.771	-0.016	100	1942085	1500.0	1472.3	
32 Acrylonitrile	53	4.942	4.948	-0.006	99	2161884	750.0	696.7	
33 Methyl tert-butyl ether	73	4.980	4.987	-0.007	95	4722381	300.0	286.9	
34 trans-1,2-Dichloroethene	96	4.987	4.996	-0.009	97	1534984	300.0	282.2	
36 Hexane	57	5.414	5.421	-0.007	93	2088930	300.0	291.0	
37 1,1-Dichloroethane	63	5.665	5.672	-0.007	96	2535670	300.0	285.4	
38 Isopropyl ether	45	5.723	5.729	-0.006	97	4396312	300.0	289.9	
39 2-Chloro-1,3-butadiene	53	5.771	5.775	-0.003	88	2104692	300.0	302.7	
S 42 1,2-Dichloroethene, Total	100				0			567.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	6.260	6.263	-0.003	97	4720799	300.0	301.5	
43 2-Butanone (MEK)	43	6.488	6.485	0.003	99	2182625	600.0	594.0	
44 cis-1,2-Dichloroethene	96	6.498	6.501	-0.003	83	1798659	300.0	285.3	
45 2,2-Dichloropropane	77	6.524	6.520	0.004	84	2460801	300.0	300.7	
46 Propionitrile	54	6.588	6.594	-0.006	97	2028544	1500.0	1461.1	
183 Methyl acrylate	55	6.607	6.607	0.000	100	2076834	300.1	315.6	
47 Methacrylonitrile	67	6.794	6.794	0.000	92	2217272	750.0	763.4	
48 Chlorobromomethane	128	6.826	6.832	-0.006	88	924595	300.0	293.6	
49 Tetrahydrofuran	71	6.842	6.842	0.000	82	1749735	1500.0	1475.0	
50 Chloroform	83	6.977	6.980	-0.003	92	2620047	300.0	280.1	
\$ 51 Dibromofluoromethane (Surr)	113	7.189	7.192	-0.003	93	234494	50.0	48.6	
52 1,1,1-Trichloroethane	97	7.205	7.205	0.000	98	2752980	300.0	302.5	
53 Cyclohexane	56	7.295	7.292	0.003	87	3215077	300.0	300.0	
56 Carbon tetrachloride	117	7.402	7.408	-0.006	96	2432621	300.0	320.6	
55 1,1-Dichloropropene	75	7.405	7.411	-0.006	97	2148860	300.0	297.1	
57 Isobutyl alcohol	41	7.575	7.572	0.003	96	1507381	3750.0	3874.2	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.646	7.643	0.003	0	58318	50.0	48.6	
60 Benzene	78	7.675	7.675	0.000	95	6294415	300.0	289.9	
61 1,2-Dichloroethane	62	7.752	7.752	0.000	98	1900092	300.0	284.2	
62 Tert-amyl methyl ether	73	7.858	7.861	-0.003	99	4731137	300.0	308.8	
64 n-Heptane	43	8.067	8.070	-0.003	93	1775106	300.0	291.4	
* 63 Fluorobenzene (IS)	96	8.070	8.073	-0.003	97	915215	50.0	50.0	
66 n-Butanol	56	8.434	8.434	0.000	86	1340169	3750.0	4251.0	
67 Trichloroethene	95	8.540	8.536	0.004	97	1711385	300.0	308.7	
178 Ethyl acrylate	55	8.656	8.655	0.001	99	2180546	300.1	355.3	
68 Methylcyclohexane	83	8.842	8.839	0.003	93	3597815	300.0	314.8	
70 2-ethoxy-2-methyl butane	87	8.874	8.871	0.003	95	2542073	300.0	321.5	
69 1,2-Dichloropropane	63	8.877	8.877	0.000	91	1565667	300.0	304.0	
71 Methyl methacrylate	69	8.955	8.951	0.004	87	1358927	300.0	348.7	
72 1,4-Dioxane	88	8.967	8.961	0.006	81	417972	3750.0	3873.4	
73 Dibromomethane	93	8.987	8.983	0.004	97	1062399	300.0	309.2	
75 Dichlorobromomethane	83	9.212	9.209	0.004	99	2062639	300.0	343.3	
76 2-Nitropropane	41	9.485	9.482	0.003	96	2801701	1500.0	1843.9	M
78 2-Chloroethyl vinyl ether	63	9.553	9.549	0.004	91	1081102	300.0	344.3	
79 cis-1,3-Dichloropropene	75	9.723	9.723	0.000	97	2587947	300.0	353.8	
80 4-Methyl-2-pentanone (MIBK)	43	9.890	9.890	0.000	94	4406507	600.0	643.5	
\$ 81 Toluene-d8 (Surr)	98	10.012	10.012	0.000	92	922900	50.0	47.4	
S 104 1,3-Dichloropropene, Total	100				0			685.0	
82 Toluene	92	10.086	10.083	0.003	99	4058575	300.0	284.1	
105 trans-1,3-Dichloropropene	75	10.328	10.327	0.001	90	2265442	300.0	331.2	
106 Ethyl methacrylate	69	10.379	10.382	-0.003	88	2359871	300.0	335.1	
107 1,1,2-Trichloroethane	97	10.524	10.524	0.000	90	1464104	300.0	293.2	
108 Tetrachloroethene	166	10.604	10.601	0.003	96	1868676	300.0	291.2	
109 1,3-Dichloropropane	76	10.684	10.681	0.003	87	2399713	300.0	291.1	
110 2-Hexanone	43	10.729	10.729	0.000	94	2981467	600.0	596.1	
111 Chlorodibromomethane	129	10.887	10.884	0.003	89	1755050	300.0	358.8	
112 Ethylene Dibromide	107	10.996	10.996	0.000	99	1556300	300.0	304.7	
S 113 Xylenes, Total	106				0			885.0	
* 114 Chlorobenzene-d5 (IS)	117	11.411	11.408	0.003	90	749679	50.0	50.0	
115 1-Chlorohexane	91	11.411	11.411	0.000	92	2293627	300.0	299.1	
116 Chlorobenzene	112	11.437	11.434	0.003	97	4660434	300.0	291.0	
117 1,1,1,2-Tetrachloroethane	131	11.514	11.514	0.000	97	1922908	300.0	314.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
118 Ethylbenzene	91	11.517	11.514	0.003	97	7863053	300.0	286.7	
119 m-Xylene & p-Xylene	106	11.623	11.623	0.000	0	6329818	600.0	591.7	
272 n-Butyl acrylate	55	11.890	11.890	0.000	98	2749244	299.9	331.8	
120 o-Xylene	106	11.948	11.945	0.003	95	3302043	300.0	293.2	
121 Styrene	104	11.961	11.961	0.000	94	4885144	300.0	314.5	
122 Bromoform	173	12.119	12.118	0.000	97	1204978	300.0	300.8	
123 Isopropylbenzene	105	12.237	12.237	0.000	95	7955183	300.0	294.5	
124 Cyclohexanone	55	12.328	12.324	0.004	89	1410814	3749.7	3984.8	
\$ 125 4-Bromofluorobenzene (Surr)	95	12.379	12.379	0.000	91	335019	50.0	47.2	
126 1,1,2,2-Tetrachloroethane	83	12.479	12.479	0.000	95	2427130	300.0	318.8	
127 Bromobenzene	156	12.498	12.498	0.000	94	1982168	300.0	327.0	
128 trans-1,4-Dichloro-2-butene	53	12.508	12.504	0.004	87	1410301	750.0	749.3	
129 1,2,3-Trichloropropane	110	12.527	12.527	0.000	83	747152	300.0	300.3	
130 N-Propylbenzene	91	12.562	12.559	0.003	97	9155827	300.0	302.3	
131 2-Chlorotoluene	126	12.636	12.636	0.000	98	2058812	300.0	321.9	
132 1,3,5-Trimethylbenzene	105	12.694	12.691	0.003	96	7366161	300.0	321.1	
133 4-Chlorotoluene	126	12.729	12.729	0.000	96	1913563	300.0	318.6	
134 tert-Butylbenzene	134	12.932	12.932	0.000	92	1672084	300.0	348.0	
136 1,2,4-Trimethylbenzene	105	12.971	12.970	0.001	96	7277638	300.0	321.8	
137 sec-Butylbenzene	105	13.093	13.089	0.004	94	9434738	300.0	319.0	
138 1,3-Dichlorobenzene	146	13.192	13.189	0.003	98	3559638	300.0	308.9	
139 4-Isopropyltoluene	119	13.196	13.196	0.000	96	8100942	300.0	324.5	
* 140 1,4-Dichlorobenzene-d4	152	13.247	13.244	0.003	91	365102	50.0	50.0	
141 1,4-Dichlorobenzene	146	13.263	13.263	0.000	95	3502900	300.0	304.7	
142 1,2,3-Trimethylbenzene	105	13.273	13.273	0.000	97	7614430	300.0	312.9	
143 Benzyl chloride	91	13.340	13.340	0.000	98	4004045	300.0	354.9	
144 1,3-Diethylbenzene	119	13.392	13.392	0.000	95	4587623	300.0	331.8	
145 p-Diethylbenzene	119	13.463	13.462	0.001	94	4707984	300.0	330.4	
146 n-Butylbenzene	92	13.485	13.482	0.003	96	3636785	300.0	317.9	a
147 1,2-Dichlorobenzene	146	13.524	13.520	0.004	98	3486789	300.0	303.2	
148 o-diethylbenzene	119	13.536	13.536	0.000	94	4064382	300.0	325.5	
150 1,2-Dibromo-3-Chloropropane	75	14.057	14.057	0.000	90	626245	300.0	344.2	
151 1,3,5-Trichlorobenzene	180	14.176	14.176	0.000	98	2807439	300.0	333.7	
152 1,2,4-Trichlorobenzene	180	14.601	14.597	0.004	95	2438666	300.0	334.9	
267 2-Ethylhexyl acrylate	55	14.652	14.652	0.000	78	2263935	299.8	306.1	
153 Hexachlorobutadiene	225	14.678	14.678	0.000	97	1002866	300.0	327.8	
154 Naphthalene	128	14.787	14.787	0.000	97	8267287	300.0	307.8	
155 1,2,3-Trichlorobenzene	180	14.929	14.929	0.000	96	2445578	300.0	328.2	
156 2-Methylnaphthalene	142	15.581	15.581	0.000	93	5012820	300.0	354.6	
S 165 Total Diethylbenzene	1				0			987.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00229	Amount Added: 15.00	Units: uL	
MSV_CCV_GASES_00998	Amount Added: 7.50	Units: uL	
MSV_CCV_VOC#3_00230	Amount Added: 12.00	Units: uL	
MSV_CCV_2CEVE_00221	Amount Added: 15.00	Units: uL	
MSV_CCV_OH_Sp_00020	Amount Added: 15.00	Units: uL	
MSV_CCV_CYC_00011	Amount Added: 30.00	Units: uL	
MSV_CCV_ETOH_00009	Amount Added: 30.00	Units: uL	
MSV_Cent_ISSS_00035	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 31-Mar-2025 21:34:16

Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D

Injection Date: 31-Mar-2025 16:43:59

Instrument ID: 7159

Operator ID: kas02648

Lims ID: IC v300

Worklist Smp#: 18

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

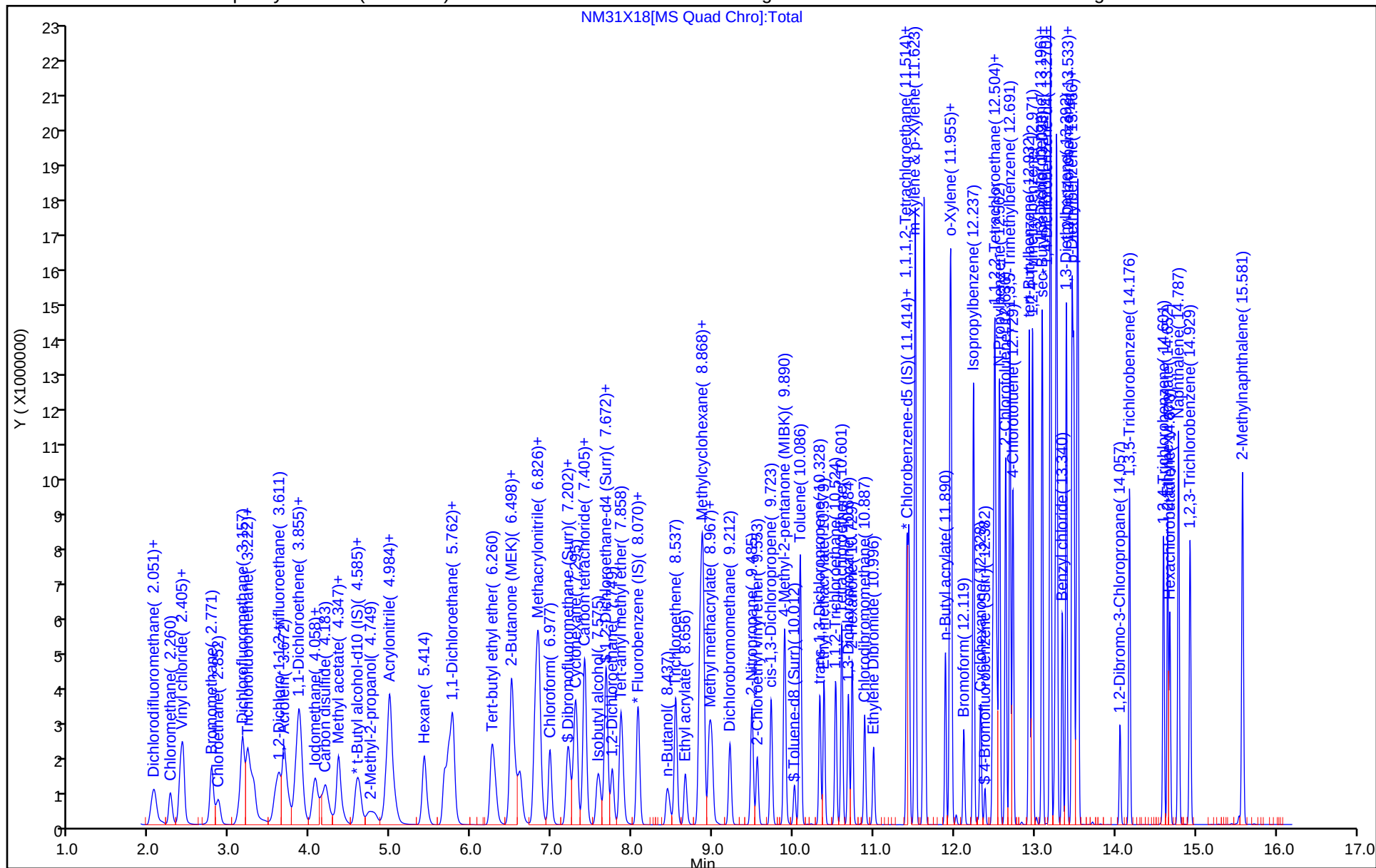
ALS Bottle#: 18

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC

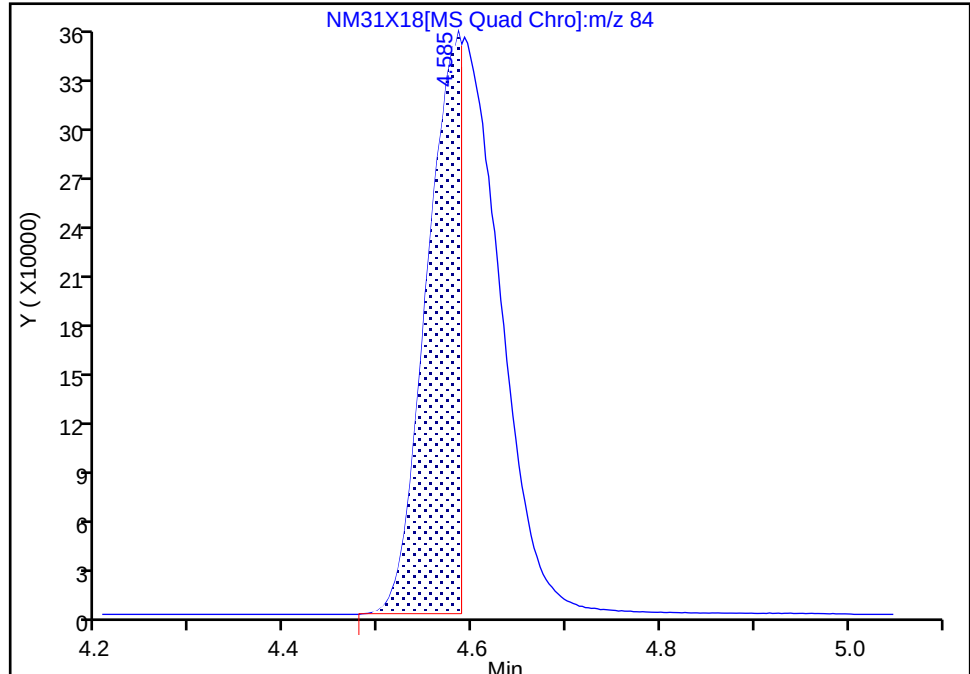
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
Injection Date: 31-Mar-2025 16:43:59 Instrument ID: 7159
Lims ID: IC v300
Client ID:
Operator ID: kas02648 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

28 Methylene Chloride, CAS: 75-09-2

Signal: 1

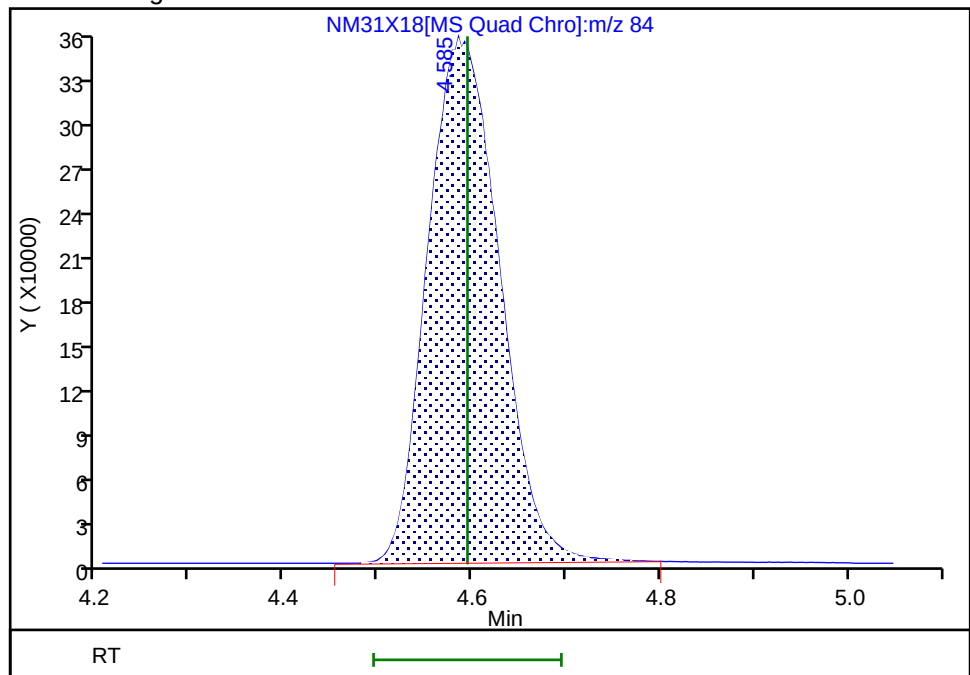
RT: 4.58
Area: 893554
Amount: 211.8633
Amount Units: ug/l

Processing Integration Results



RT: 4.58
Area: 1849493
Amount: 280.6898
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:25:24 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

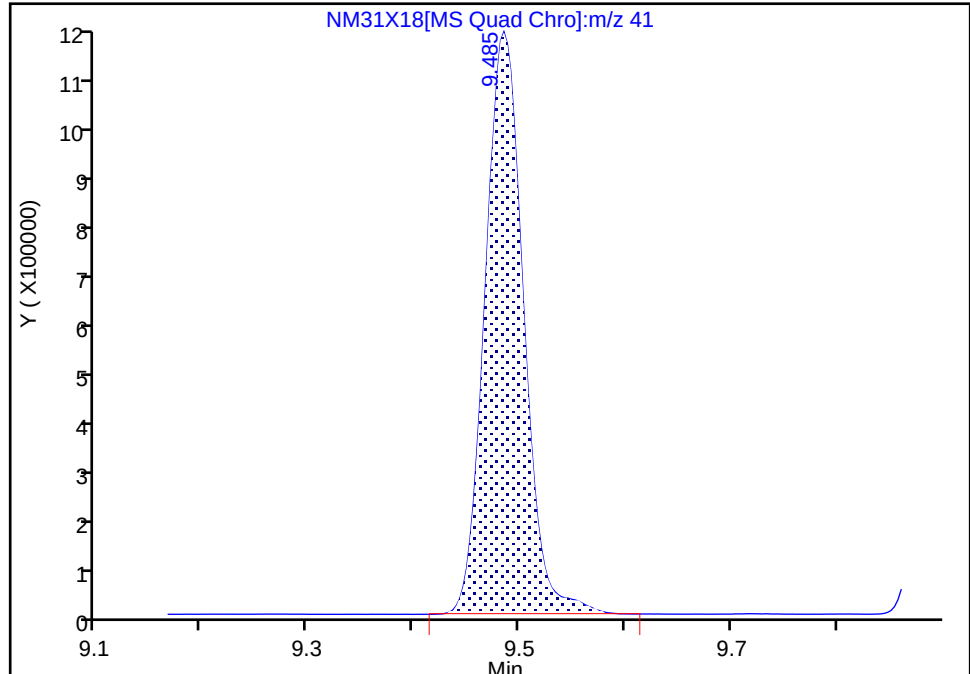
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
Injection Date: 31-Mar-2025 16:43:59 Instrument ID: 7159
Lims ID: IC v300
Client ID:
Operator ID: kas02648 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

76 2-Nitropropane, CAS: 79-46-9

Signal: 1

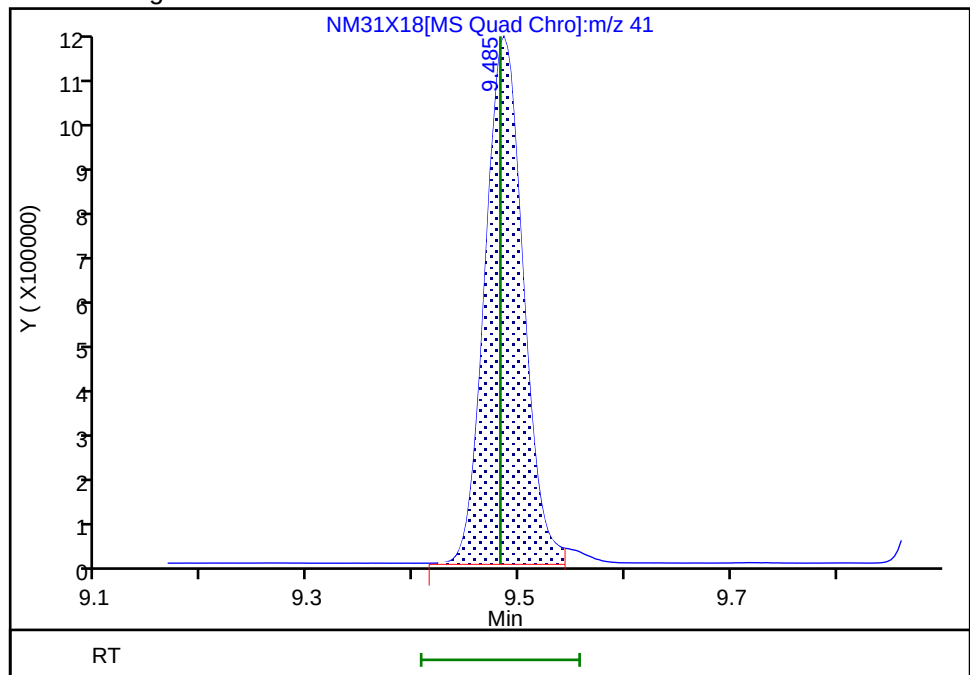
RT: 9.49
Area: 2843907
Amount: 1793.7474
Amount Units: ug/l

Processing Integration Results



RT: 9.49
Area: 2801701
Amount: 1843.8663
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 19:00:41 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

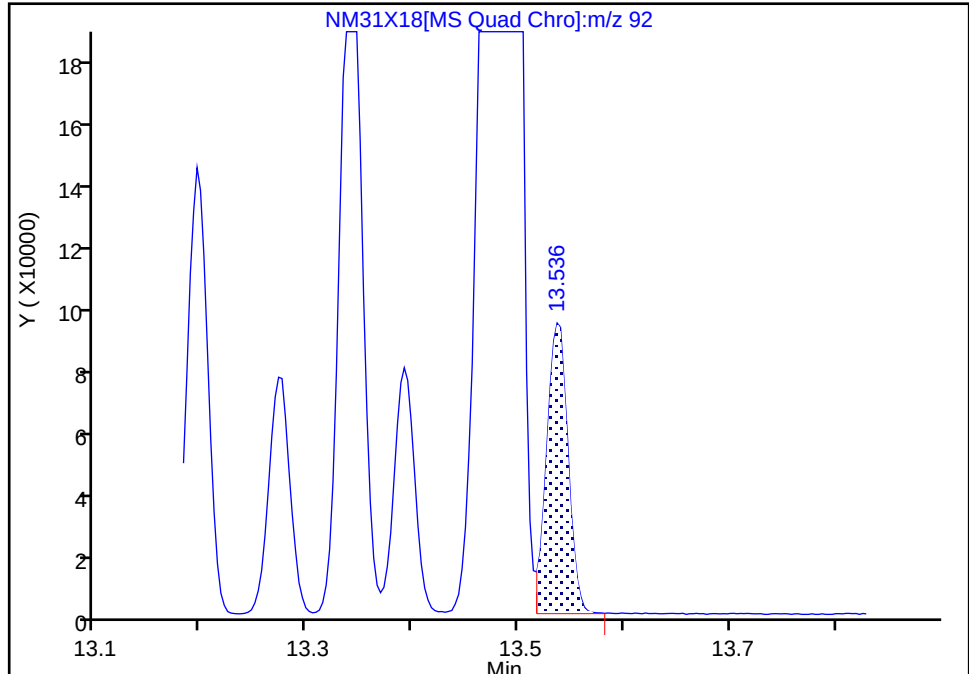
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
Injection Date: 31-Mar-2025 16:43:59 Instrument ID: 7159
Lims ID: IC v300
Client ID:
Operator ID: kas02648 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

146 n-Butylbenzene, CAS: 104-51-8

Signal: 1

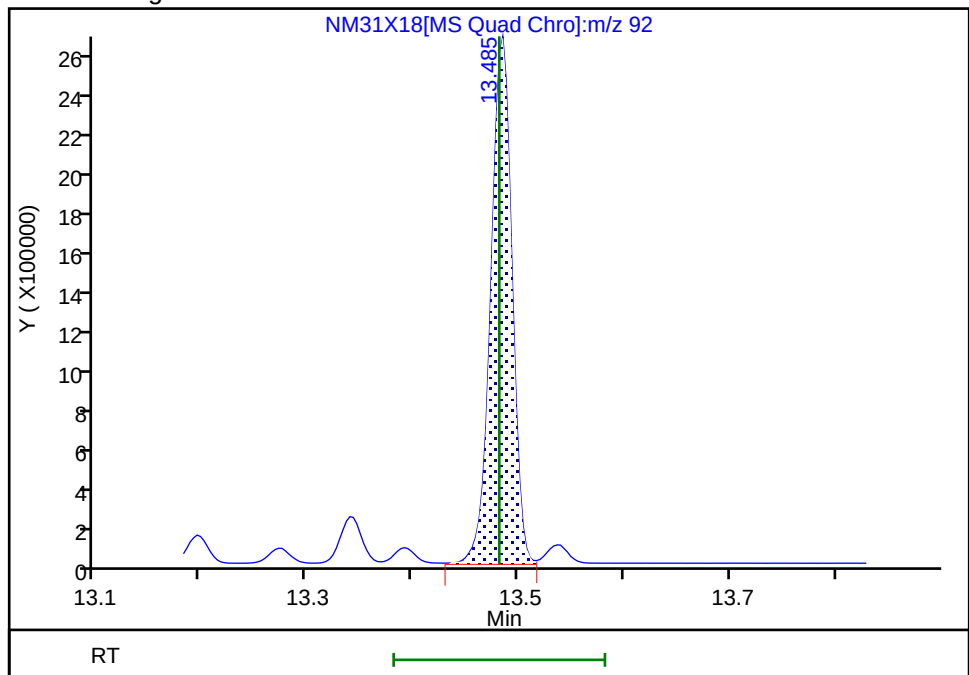
RT: 13.54
Area: 128244
Amount: 388.8020
Amount Units: ug/l

Processing Integration Results



RT: 13.49
Area: 3636785
Amount: 317.8520
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 18:26:07 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Calibration

/ Dichlorodifluoromethane

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

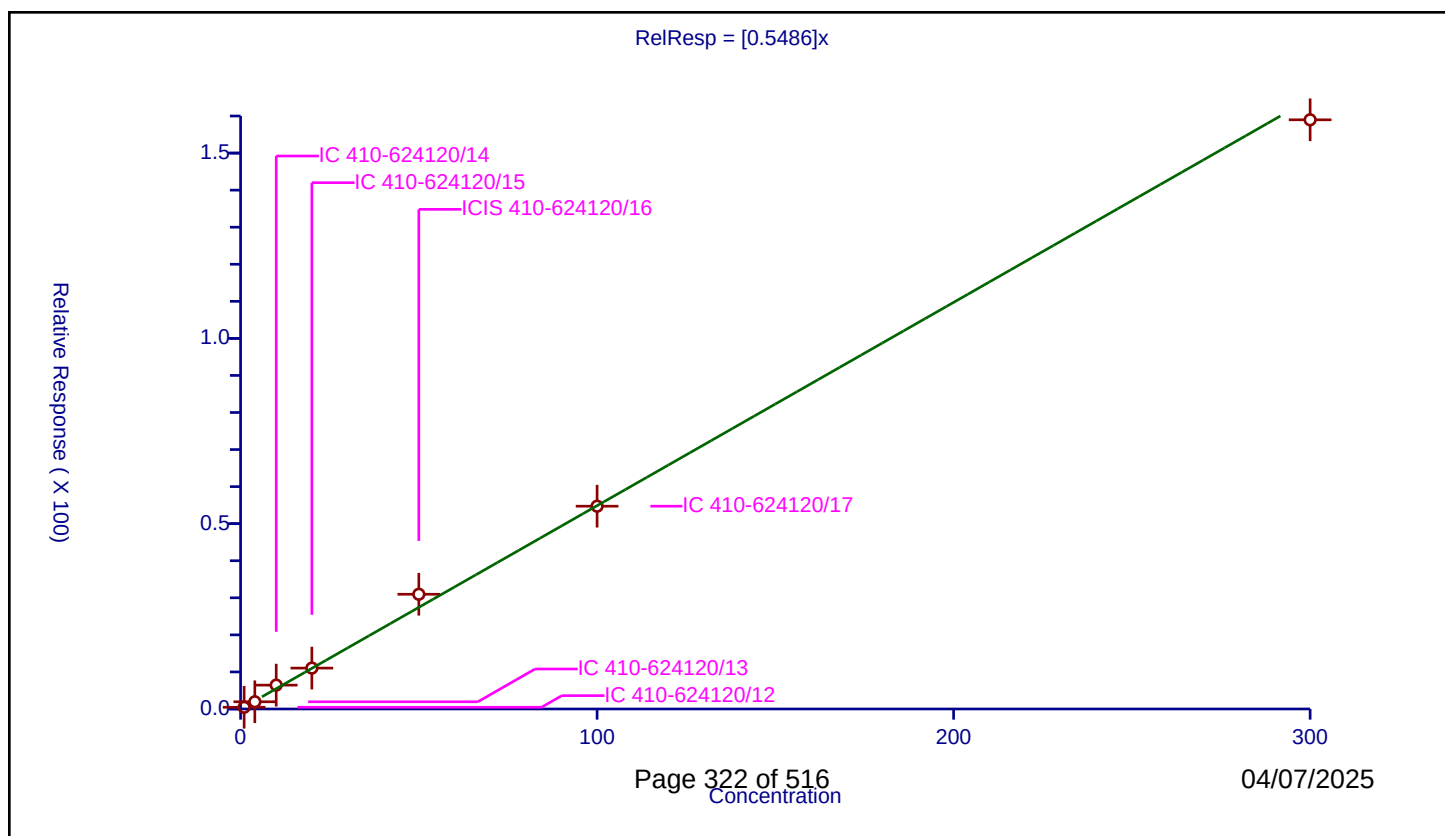
Curve Coefficients

Intercept: 0
Slope: 0.5486

Error Coefficients

Relative Standard Deviation: 11.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.461428	50.0	794381.0	0.461428	Y
2	IC 410-624120/13	4.0	1.947853	50.0	822059.0	0.486963	Y
3	IC 410-624120/14	10.0	6.436258	50.0	836977.0	0.643626	Y
4	IC 410-624120/15	20.0	11.035438	50.0	824163.0	0.551772	Y
5	ICIS 410-624120/16	50.0	30.955904	50.0	838693.0	0.619118	Y
6	IC 410-624120/17	100.0	54.718635	50.0	886856.0	0.547186	Y
7	IC 410-624120/18	300.0	158.981332	50.0	915215.0	0.529938	Y



Calibration

/ Chloromethane

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

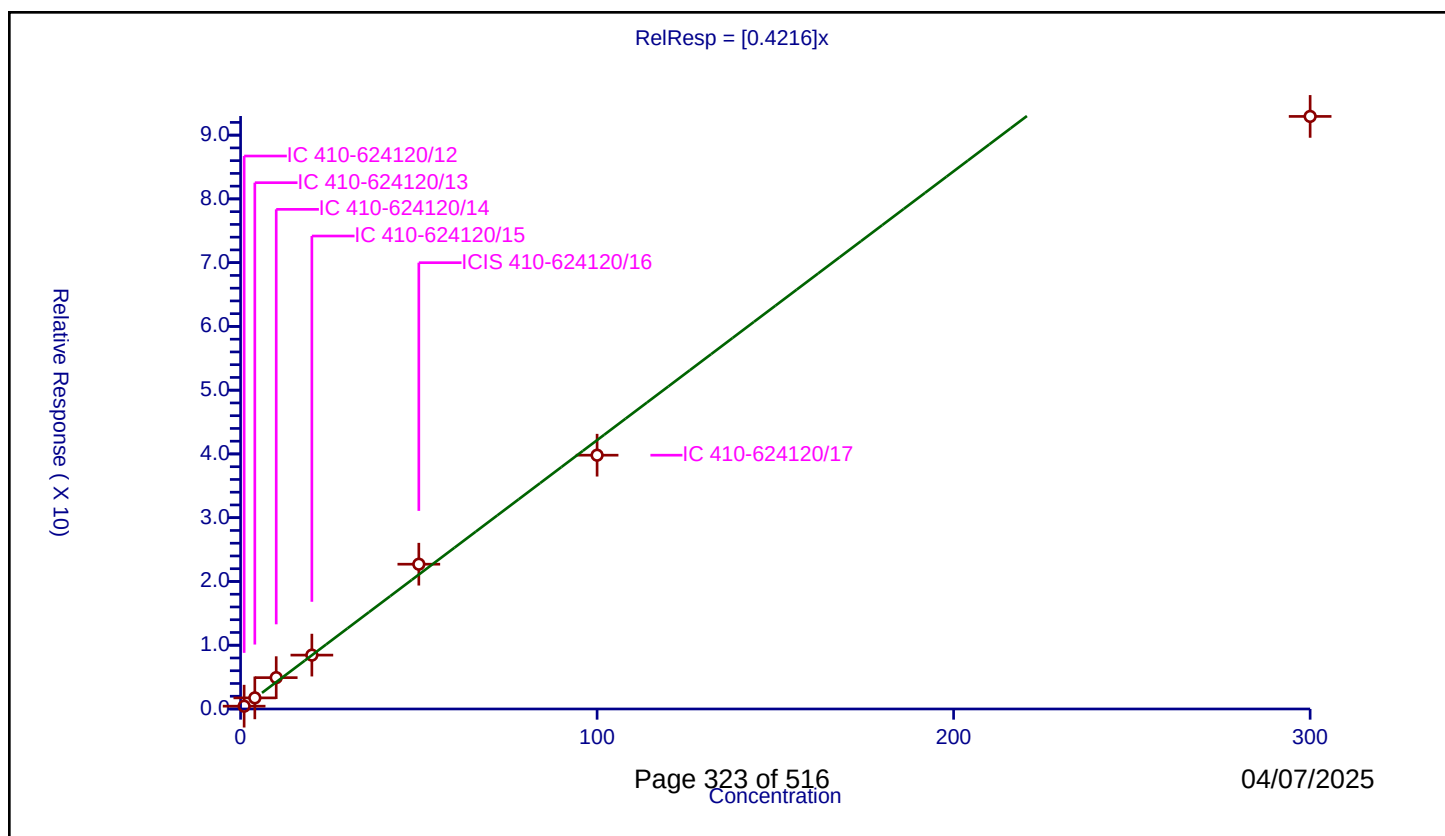
Curve Coefficients

Intercept: 0
Slope: 0.4216

Error Coefficients

Relative Standard Deviation: 13.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.44028	50.0	794381.0	0.44028	Y
2	IC 410-624120/13	4.0	1.739839	50.0	822059.0	0.43496	Y
3	IC 410-624120/14	10.0	4.917519	50.0	836977.0	0.491752	Y
4	IC 410-624120/15	20.0	8.449724	50.0	824163.0	0.422486	Y
5	ICIS 410-624120/16	50.0	22.709203	50.0	838693.0	0.454184	Y
6	IC 410-624120/17	100.0	39.805166	50.0	886856.0	0.398052	Y
7	IC 410-624120/18	300.0	92.937616	50.0	915215.0	0.309792	Y



Calibration

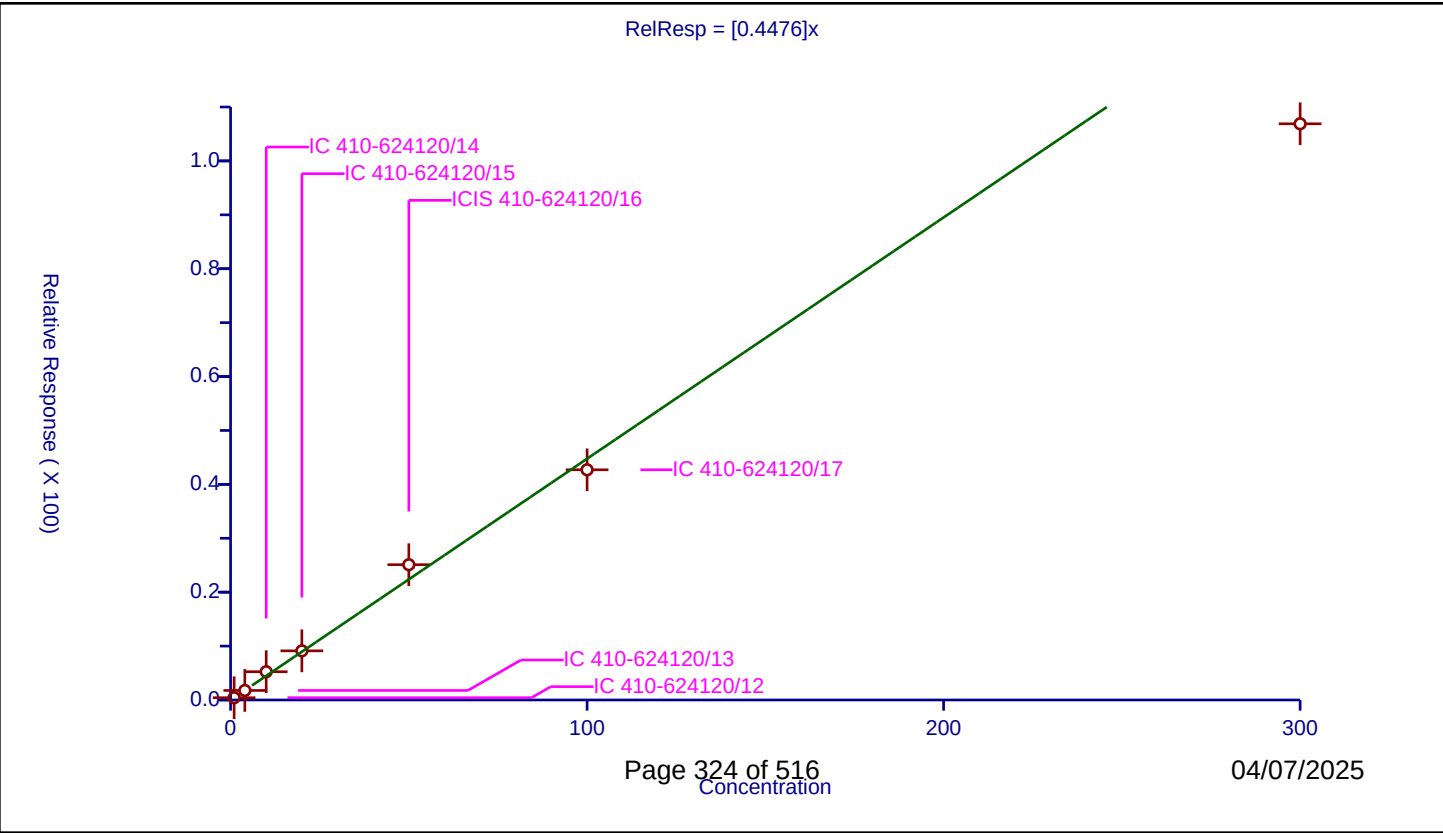
/ Vinyl chloride

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

Curve Coefficients	
Intercept:	0
Slope:	0.4476
Error Coefficients	

Relative Standard Deviation: 12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.424922	50.0	794381.0	0.424922	Y
2	IC 410-624120/13	4.0	1.769034	50.0	822059.0	0.442258	Y
3	IC 410-624120/14	10.0	5.248173	50.0	836977.0	0.524817	Y
4	IC 410-624120/15	20.0	9.114095	50.0	824163.0	0.455705	Y
5	ICIS 410-624120/16	50.0	25.096668	50.0	838693.0	0.501933	Y
6	IC 410-624120/17	100.0	42.705467	50.0	886856.0	0.427055	Y
7	IC 410-624120/18	300.0	106.889583	50.0	915215.0	0.356299	Y



Calibration

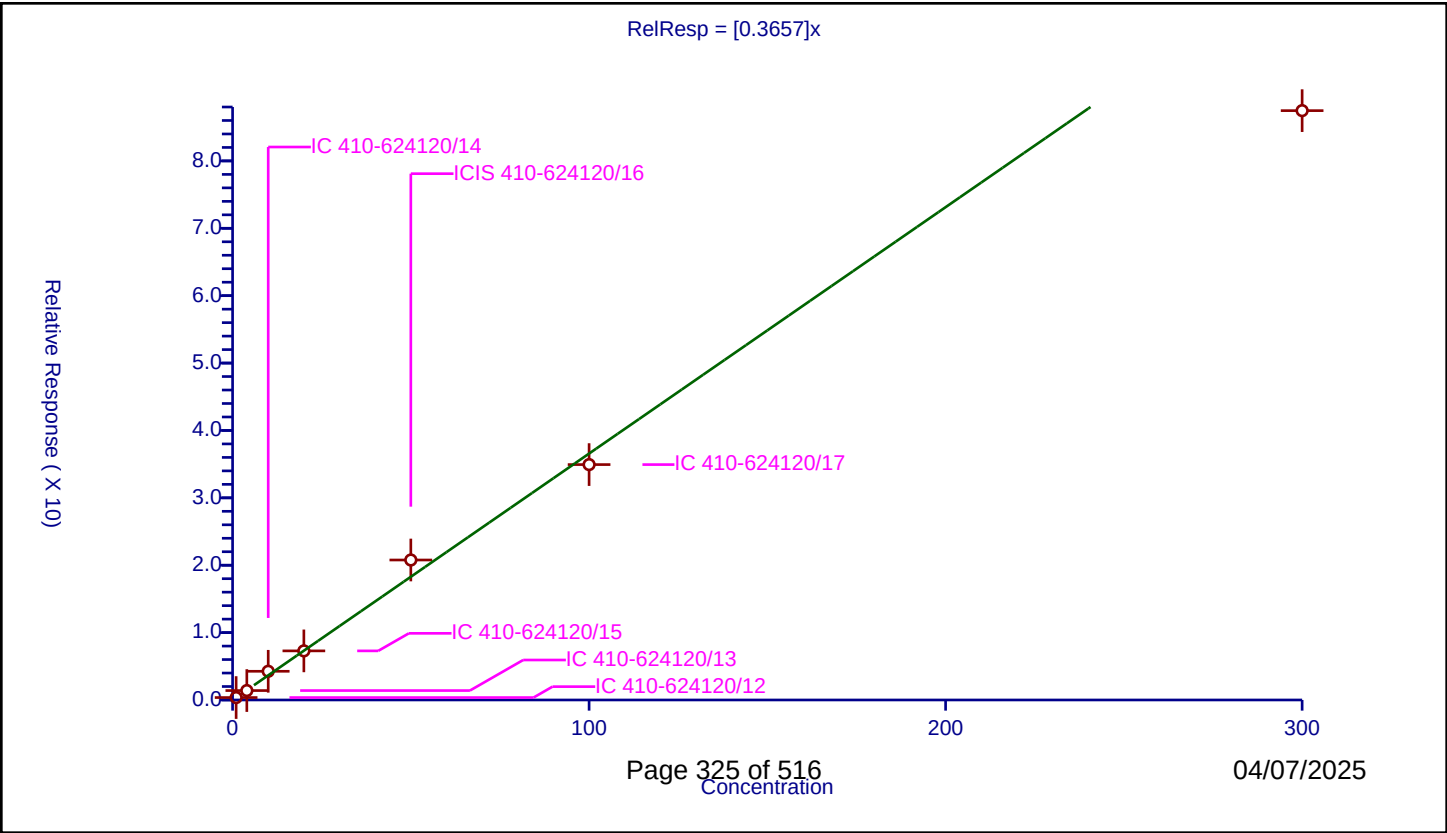
/ Butadiene

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

Curve Coefficients	
Intercept:	0
Slope:	0.3657
Error Coefficients	

Relative Standard Deviation: 12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.363679	50.0	794381.0	0.363679	Y
2	IC 410-624120/13	4.0	1.397223	50.0	822059.0	0.349306	Y
3	IC 410-624120/14	10.0	4.261049	50.0	836977.0	0.426105	Y
4	IC 410-624120/15	20.0	7.285877	50.0	824163.0	0.364294	Y
5	ICIS 410-624120/16	50.0	20.773096	50.0	838693.0	0.415462	Y
6	IC 410-624120/17	100.0	34.935153	50.0	886856.0	0.349352	Y
7	IC 410-624120/18	300.0	87.463711	50.0	915215.0	0.291546	Y



Calibration

/ Bromomethane

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

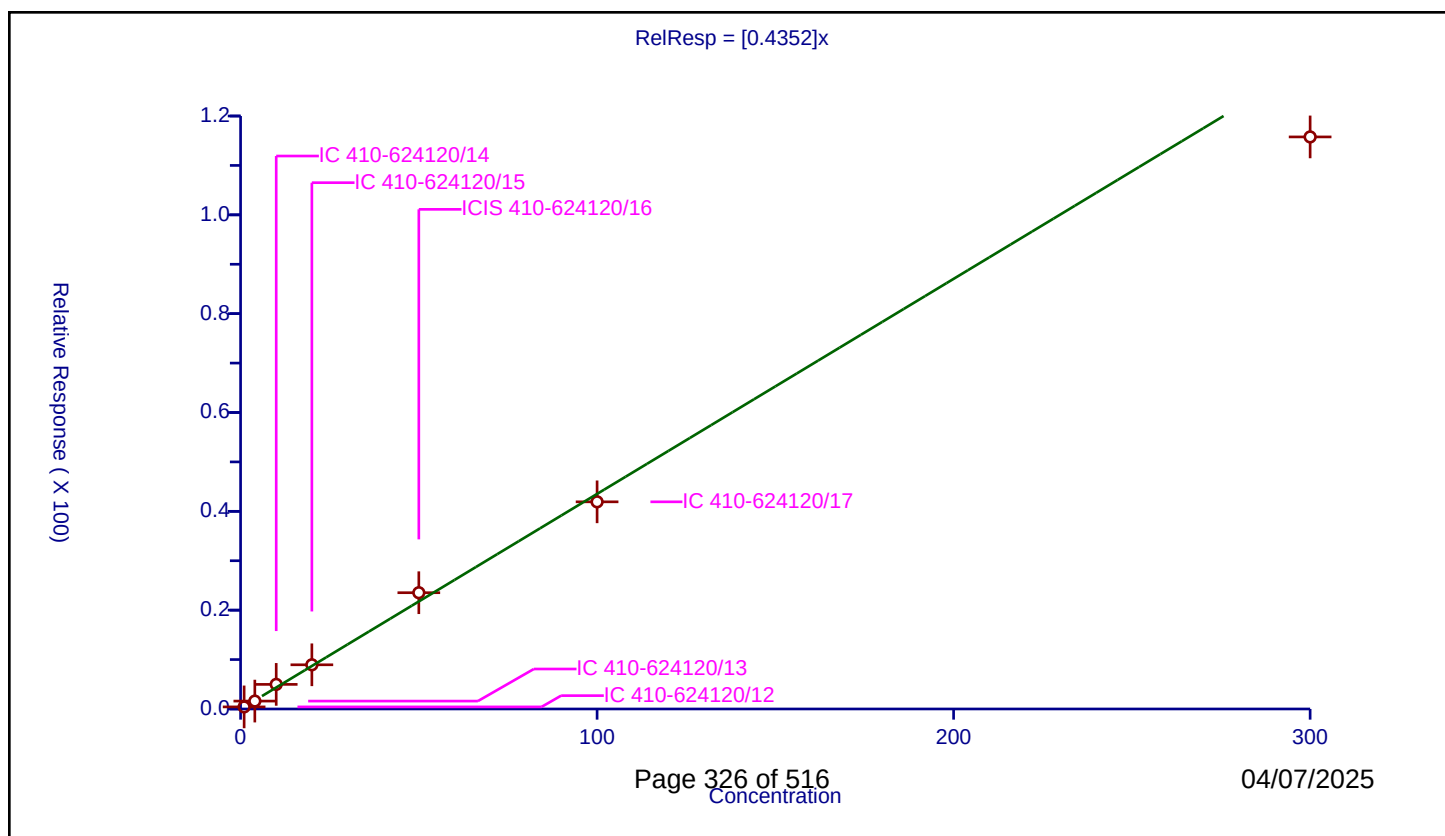
Curve Coefficients

Intercept: 0
Slope: 0.4352

Error Coefficients

Relative Standard Deviation: 9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.425803	50.0	794381.0	0.425803	Y
2	IC 410-624120/13	4.0	1.599581	50.0	822059.0	0.399895	Y
3	IC 410-624120/14	10.0	4.979647	50.0	836977.0	0.497965	Y
4	IC 410-624120/15	20.0	8.942224	50.0	824163.0	0.447111	Y
5	ICIS 410-624120/16	50.0	23.530362	50.0	838693.0	0.470607	Y
6	IC 410-624120/17	100.0	41.923153	50.0	886856.0	0.419232	Y
7	IC 410-624120/18	300.0	115.769355	50.0	915215.0	0.385898	Y



Calibration

/ Chloroethane

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

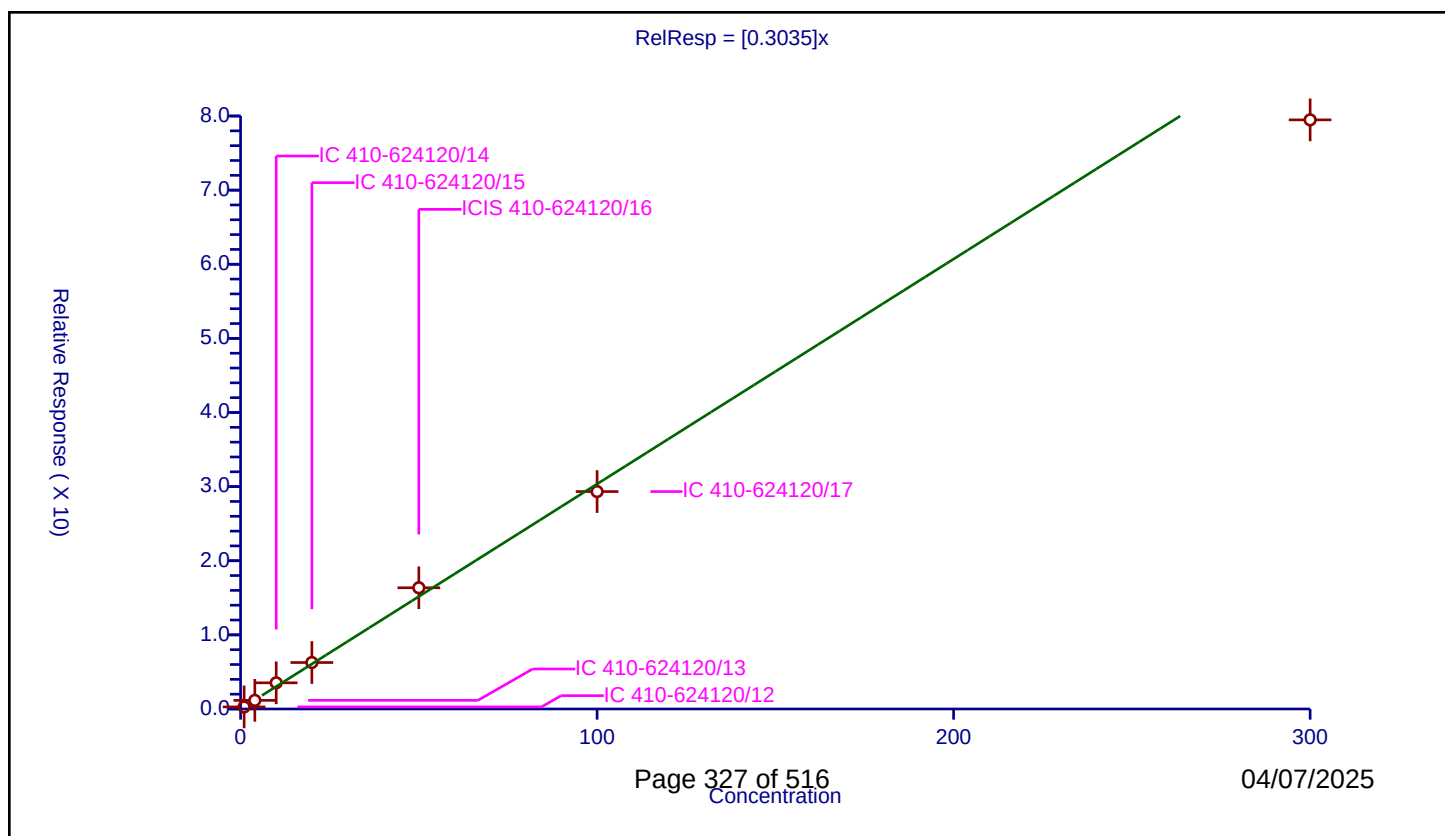
Curve Coefficients

Intercept: 0
Slope: 0.3035

Error Coefficients

Relative Standard Deviation: 9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.282169	50.0	794381.0	0.282169	Y
2	IC 410-624120/13	4.0	1.162751	50.0	822059.0	0.290688	Y
3	IC 410-624120/14	10.0	3.531101	50.0	836977.0	0.35311	Y
4	IC 410-624120/15	20.0	6.268299	50.0	824163.0	0.313415	Y
5	ICIS 410-624120/16	50.0	16.352408	50.0	838693.0	0.327048	Y
6	IC 410-624120/17	100.0	29.332552	50.0	886856.0	0.293326	Y
7	IC 410-624120/18	300.0	79.481433	50.0	915215.0	0.264938	Y



Calibration

/ Dichlorofluoromethane

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

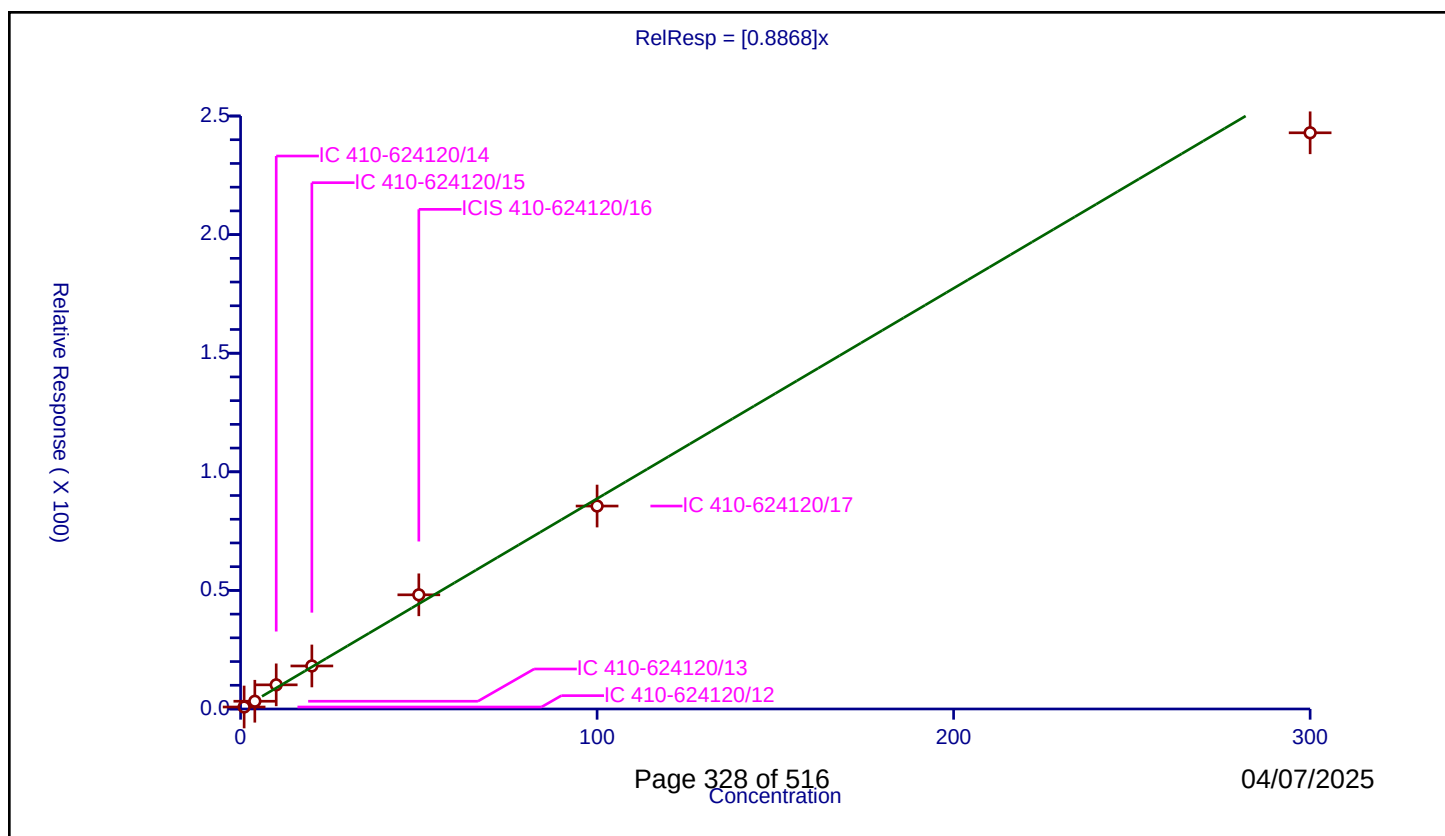
Curve Coefficients

Intercept: 0
Slope: 0.8868

Error Coefficients

Relative Standard Deviation: 8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.839333	50.0	794381.0	0.839333	Y
2	IC 410-624120/13	4.0	3.262722	50.0	822059.0	0.815681	Y
3	IC 410-624120/14	10.0	10.174712	50.0	836977.0	1.017471	Y
4	IC 410-624120/15	20.0	18.134823	50.0	824163.0	0.906741	Y
5	ICIS 410-624120/16	50.0	48.137221	50.0	838693.0	0.962744	Y
6	IC 410-624120/17	100.0	85.567443	50.0	886856.0	0.855674	Y
7	IC 410-624120/18	300.0	242.930186	50.0	915215.0	0.809767	Y



Calibration

/ Trichlorofluoromethane

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

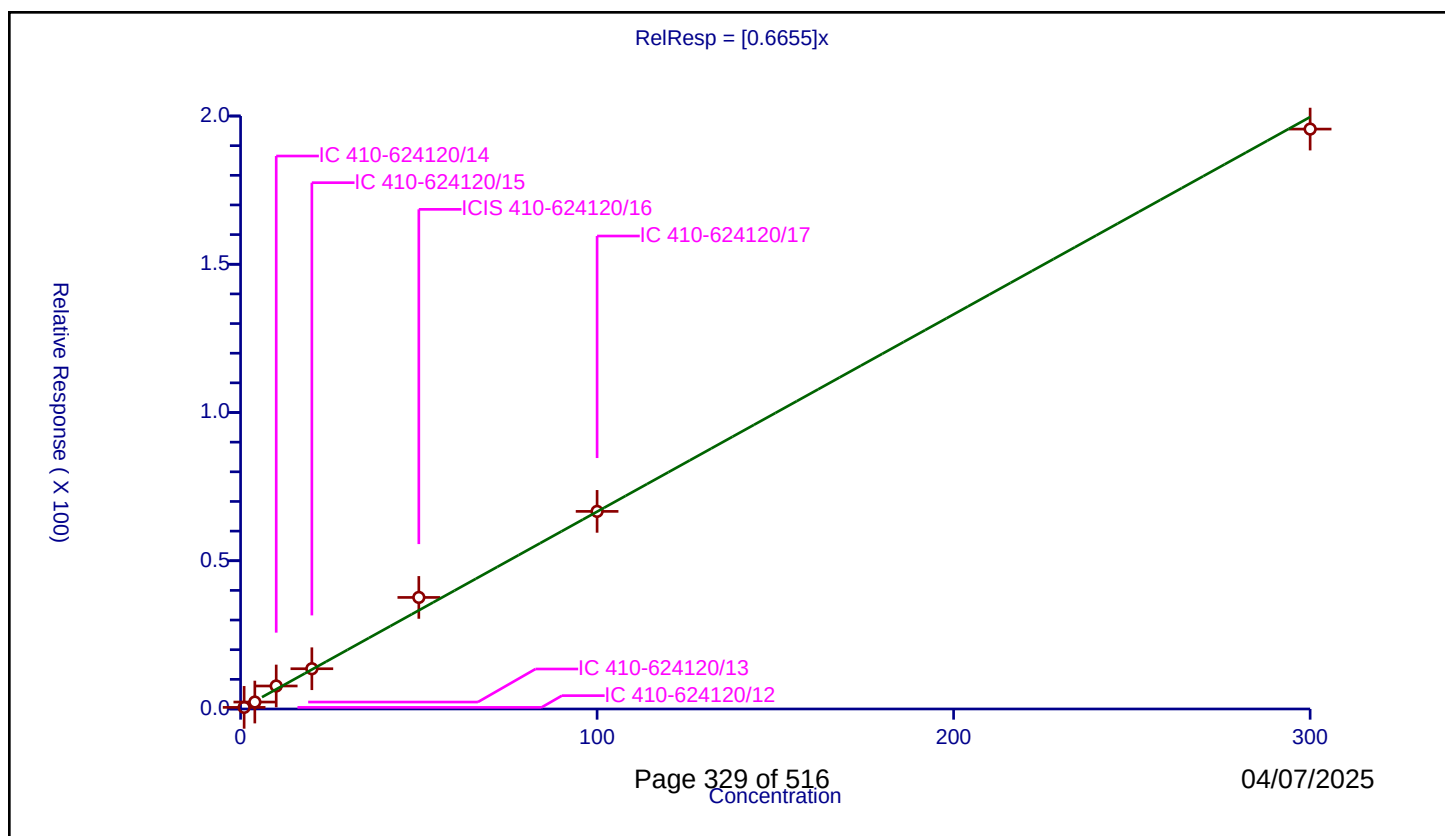
Curve Coefficients

Intercept: 0
Slope: 0.6655

Error Coefficients

Relative Standard Deviation: 12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.546841	50.0	794381.0	0.546841	Y
2	IC 410-624120/13	4.0	2.345817	50.0	822059.0	0.586454	Y
3	IC 410-624120/14	10.0	7.754156	50.0	836977.0	0.775416	Y
4	IC 410-624120/15	20.0	13.577715	50.0	824163.0	0.678886	Y
5	ICIS 410-624120/16	50.0	37.629502	50.0	838693.0	0.75259	Y
6	IC 410-624120/17	100.0	66.651407	50.0	886856.0	0.666514	Y
7	IC 410-624120/18	300.0	195.592893	50.0	915215.0	0.651976	Y



Calibration

/ Pentane

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

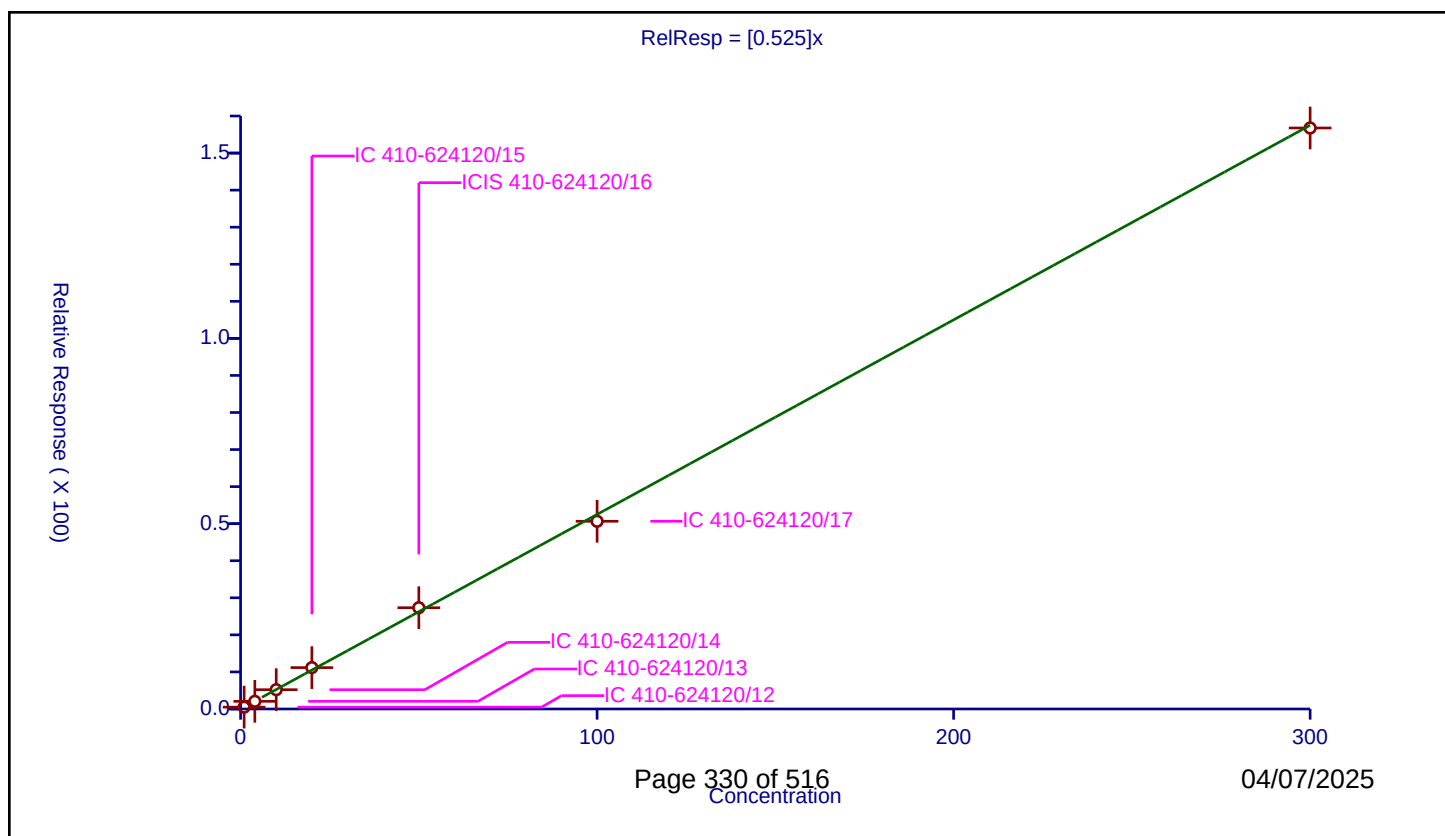
Curve Coefficients

Intercept: 0
Slope: 0.525

Error Coefficients

Relative Standard Deviation: 3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.5036	50.0	794381.0	0.5036	Y
2	IC 410-624120/13	4.0	2.066822	50.0	822059.0	0.516706	Y
3	IC 410-624120/14	10.0	5.208387	50.0	836977.0	0.520839	Y
4	IC 410-624120/15	20.0	11.164539	50.0	824163.0	0.558227	Y
5	ICIS 410-624120/16	50.0	27.320843	50.0	838693.0	0.546417	Y
6	IC 410-624120/17	100.0	50.654108	50.0	886856.0	0.506541	Y
7	IC 410-624120/18	300.0	156.766552	50.0	915215.0	0.522555	Y



Calibration

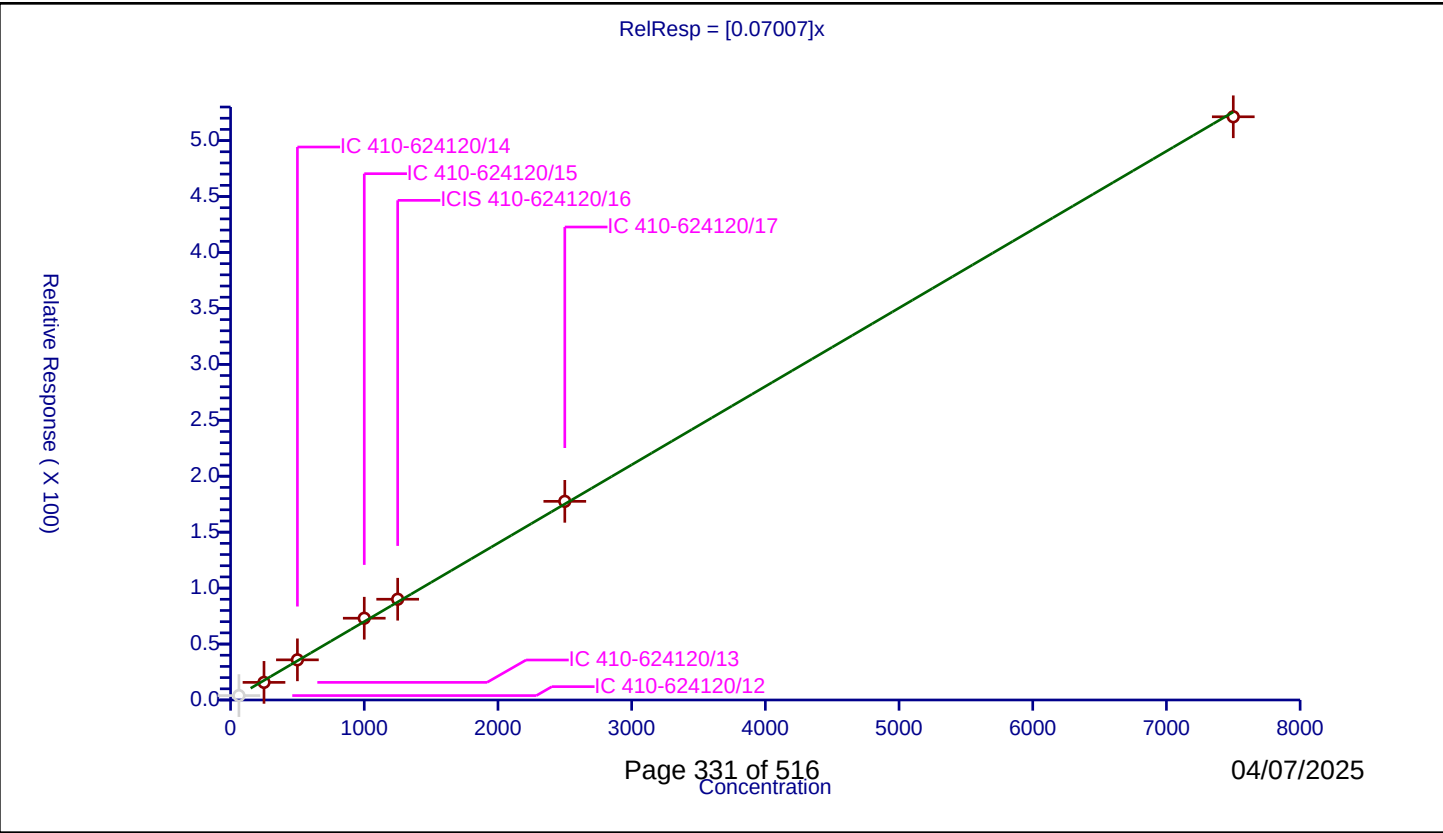
/ Ethanol

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

Curve Coefficients	
Intercept:	0
Slope:	0.07007
Error Coefficients	

Relative Standard Deviation: 5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	62.50002	3.952036	250.0	309777.0	0.063233	N
2	IC 410-624120/13	250.00008	15.751267	250.0	329783.0	0.063005	Y
3	IC 410-624120/14	500.00016	35.893278	250.0	333015.0	0.071787	Y
4	IC 410-624120/15	1000.00032	73.077027	250.0	331544.0	0.073077	Y
5	ICIS 410-624120/16	1250.0004	90.049383	250.0	332301.0	0.072039	Y
6	IC 410-624120/17	2500.0008	177.559085	250.0	354023.0	0.071024	Y
7	IC 410-624120/18	7500.0024	521.269799	250.0	361569.0	0.069503	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

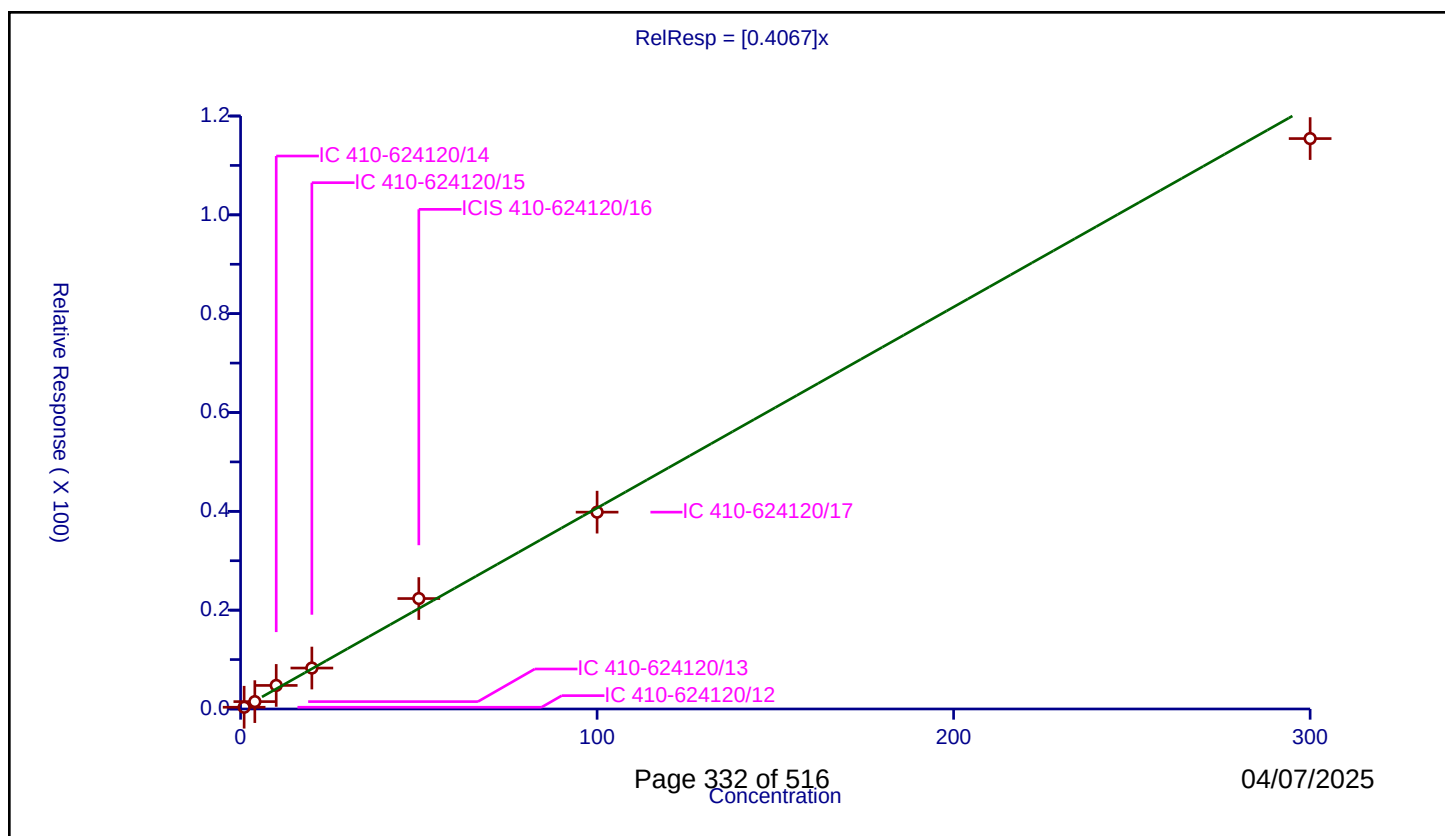
Curve Coefficients

Intercept: 0
Slope: 0.4067

Error Coefficients

Relative Standard Deviation: 10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.352979	50.0	794381.0	0.352979	Y
2	IC 410-624120/13	4.0	1.492472	50.0	822059.0	0.373118	Y
3	IC 410-624120/14	10.0	4.766917	50.0	836977.0	0.476692	Y
4	IC 410-624120/15	20.0	8.284587	50.0	824163.0	0.414229	Y
5	ICIS 410-624120/16	50.0	22.350848	50.0	838693.0	0.447017	Y
6	IC 410-624120/17	100.0	39.834539	50.0	886856.0	0.398345	Y
7	IC 410-624120/18	300.0	115.435444	50.0	915215.0	0.384785	Y



Calibration

/ Acrolein

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

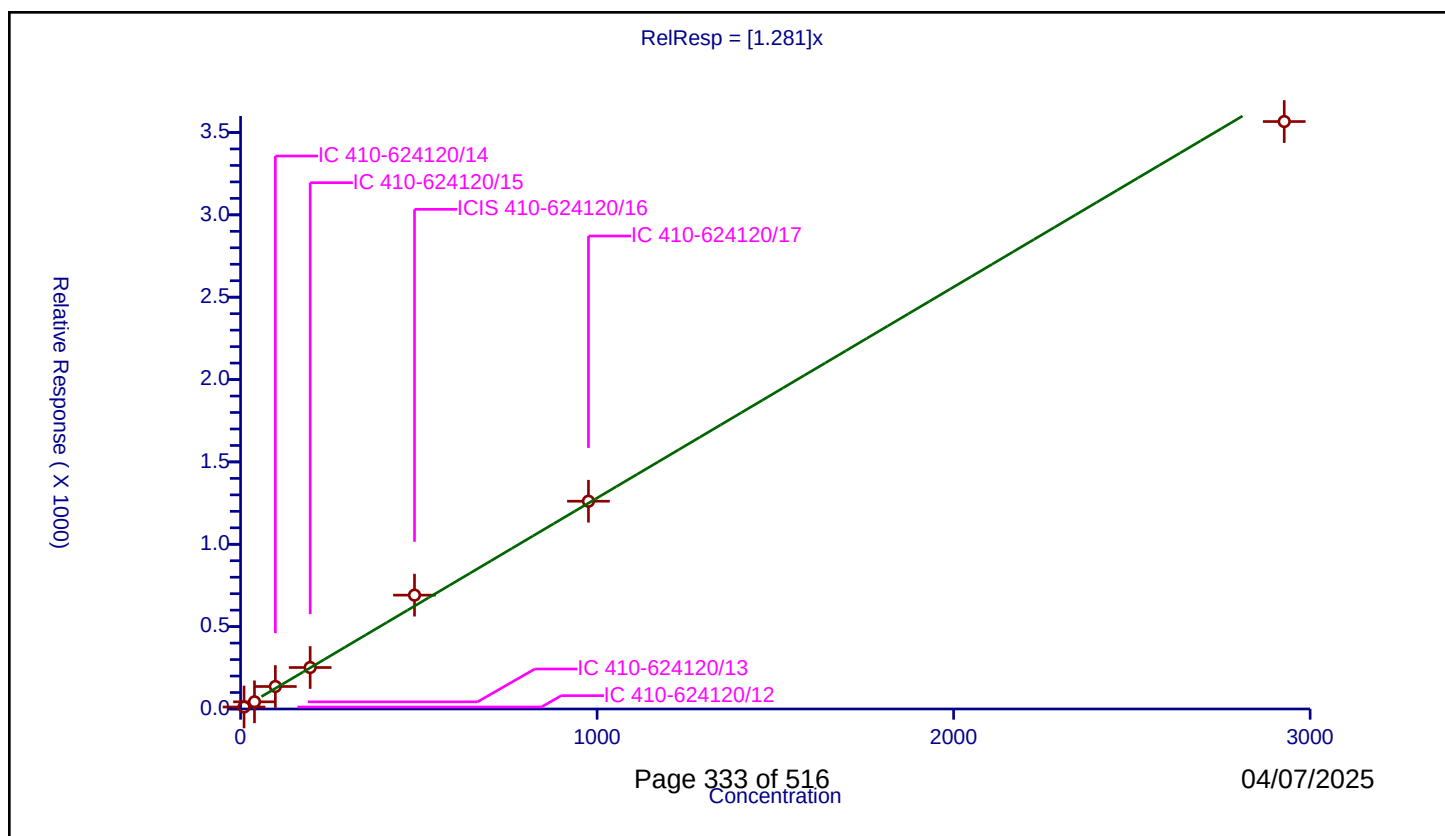
Curve Coefficients

Intercept: 0
Slope: 1.281

Error Coefficients

Relative Standard Deviation: 8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	9.758146	12.06271	250.0	309777.0	1.236168	Y
2	IC 410-624120/13	39.032585	43.407331	250.0	329783.0	1.112079	Y
3	IC 410-624120/14	97.581461	136.62823	250.0	333015.0	1.400145	Y
4	IC 410-624120/15	195.162923	251.833844	250.0	331544.0	1.290377	Y
5	ICIS 410-624120/16	487.907307	691.180586	250.0	332301.0	1.416623	Y
6	IC 410-624120/17	975.814614	1261.384854	250.0	354023.0	1.292648	Y
7	IC 410-624120/18	2927.443842	3566.529487	250.0	361569.0	1.218308	Y



Calibration

/ 1,1-Dichloroethene

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

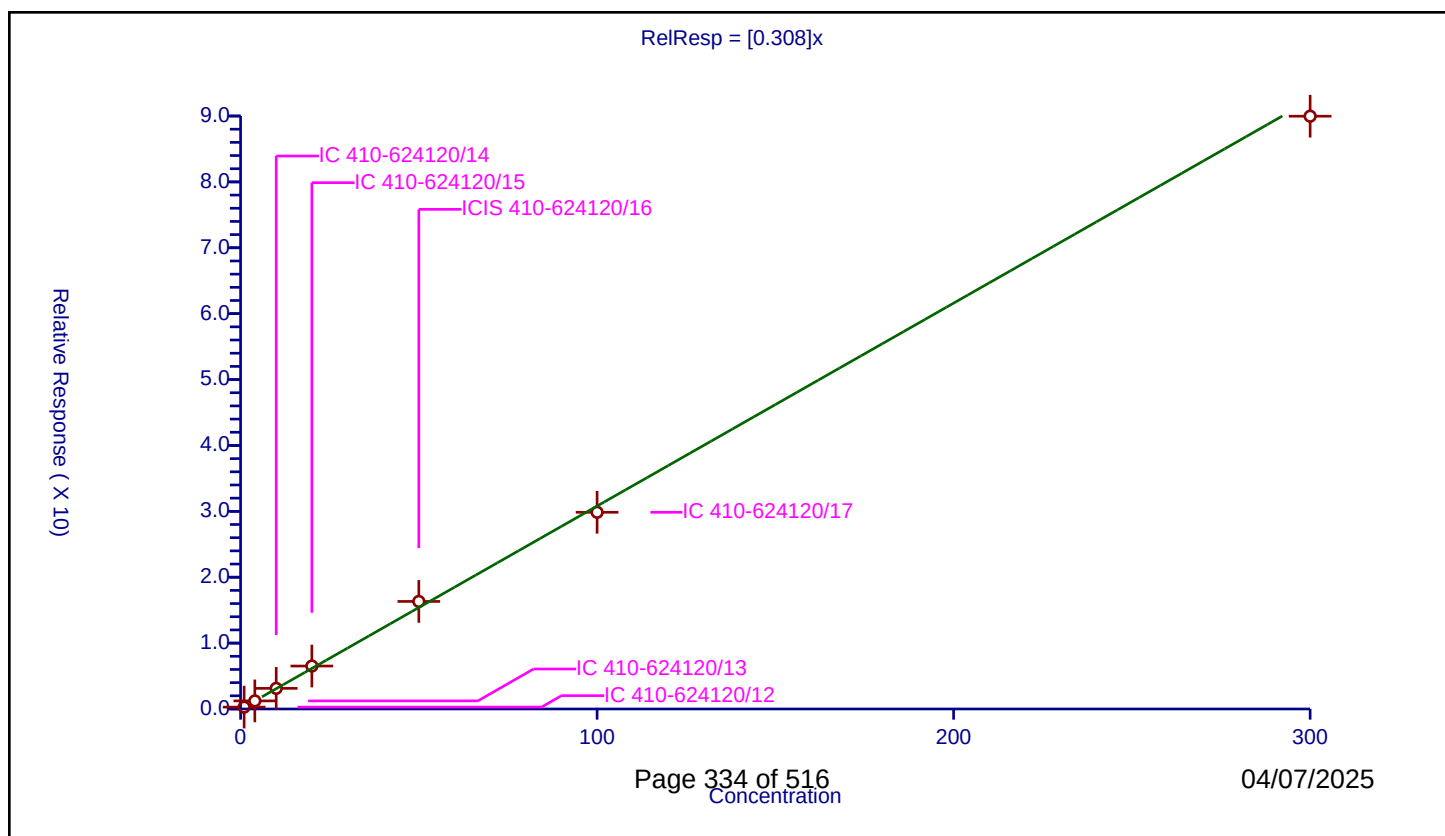
Curve Coefficients

Intercept: 0
Slope: 0.308

Error Coefficients

Relative Standard Deviation: 4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.285316	50.0	794381.0	0.285316	Y
2	IC 410-624120/13	4.0	1.226919	50.0	822059.0	0.30673	Y
3	IC 410-624120/14	10.0	3.129596	50.0	836977.0	0.31296	Y
4	IC 410-624120/15	20.0	6.518553	50.0	824163.0	0.325928	Y
5	ICIS 410-624120/16	50.0	16.326892	50.0	838693.0	0.326538	Y
6	IC 410-624120/17	100.0	29.856313	50.0	886856.0	0.298563	Y
7	IC 410-624120/18	300.0	89.973394	50.0	915215.0	0.299911	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

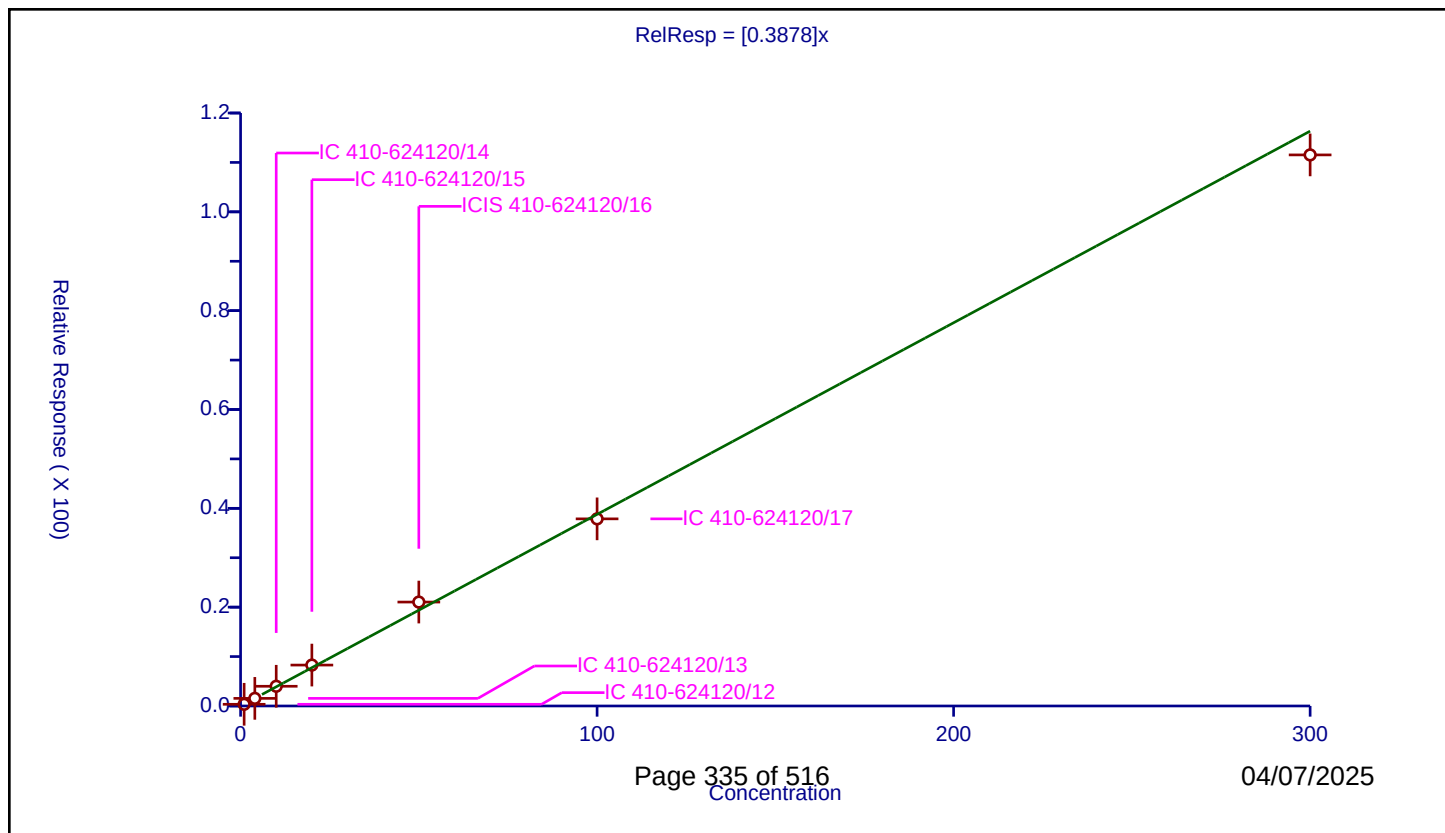
Curve Coefficients

Intercept: 0
Slope: 0.3878

Error Coefficients

Relative Standard Deviation: 6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.344419	50.0	794381.0	0.344419	Y
2	IC 410-624120/13	4.0	1.542651	50.0	822059.0	0.385663	Y
3	IC 410-624120/14	10.0	3.992284	50.0	836977.0	0.399228	Y
4	IC 410-624120/15	20.0	8.282039	50.0	824163.0	0.414102	Y
5	ICIS 410-624120/16	50.0	21.030937	50.0	838693.0	0.420619	Y
6	IC 410-624120/17	100.0	37.868042	50.0	886856.0	0.37868	Y
7	IC 410-624120/18	300.0	111.521664	50.0	915215.0	0.371739	Y



Calibration

/ Acetone

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

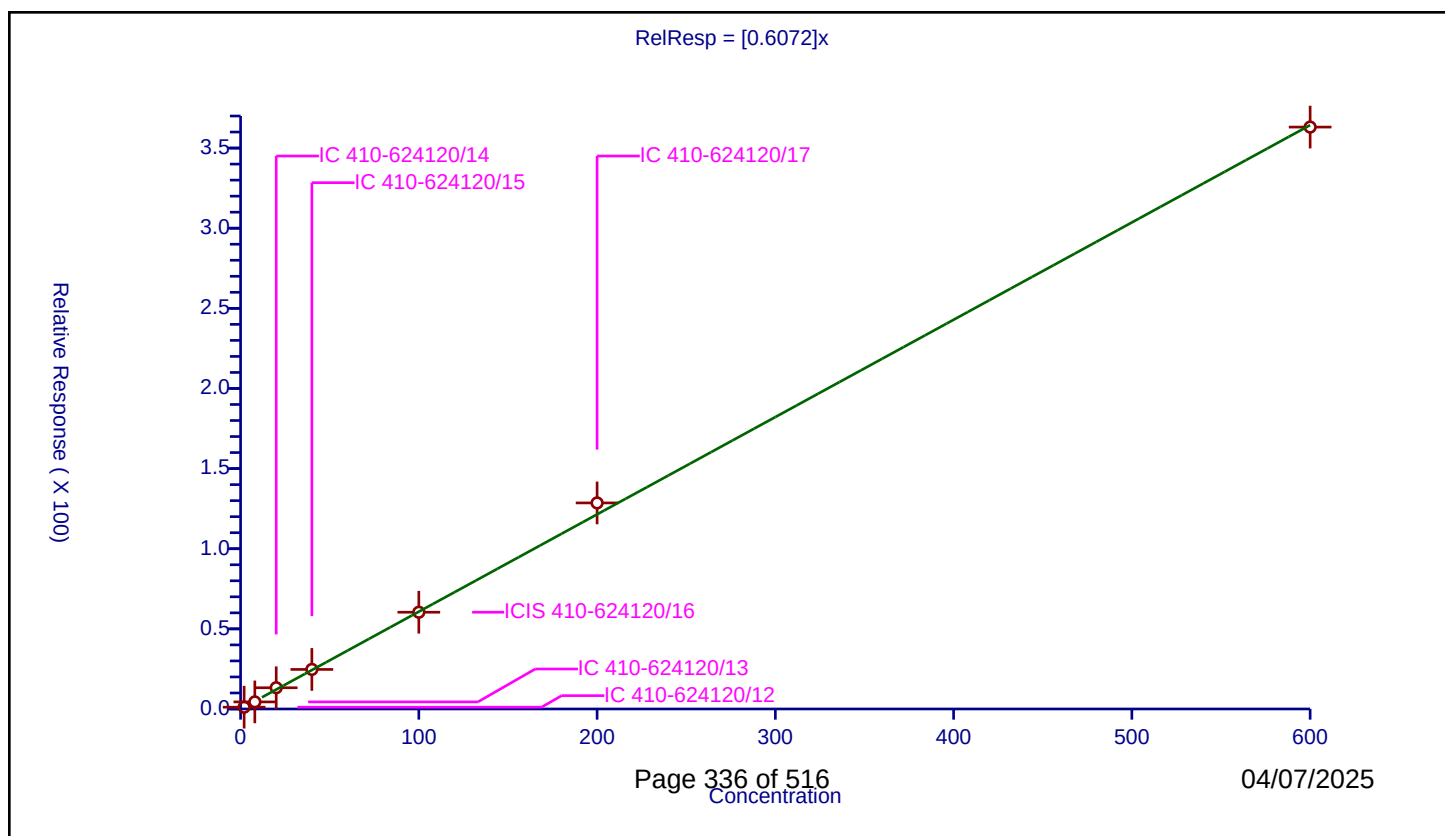
Curve Coefficients

Intercept: 0
Slope: 0.6072

Error Coefficients

Relative Standard Deviation: 6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	2.0	1.130652	250.0	309777.0	0.565326	Y
2	IC 410-624120/13	8.0	4.425637	250.0	329783.0	0.553205	Y
3	IC 410-624120/14	20.0	13.259163	250.0	333015.0	0.662958	Y
4	IC 410-624120/15	40.0	24.682998	250.0	331544.0	0.617075	Y
5	ICIS 410-624120/16	100.0	60.367709	250.0	332301.0	0.603677	Y
6	IC 410-624120/17	200.0	128.582041	250.0	354023.0	0.64291	Y
7	IC 410-624120/18	600.0	363.097362	250.0	361569.0	0.605162	Y



Calibration

/ Iodomethane

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

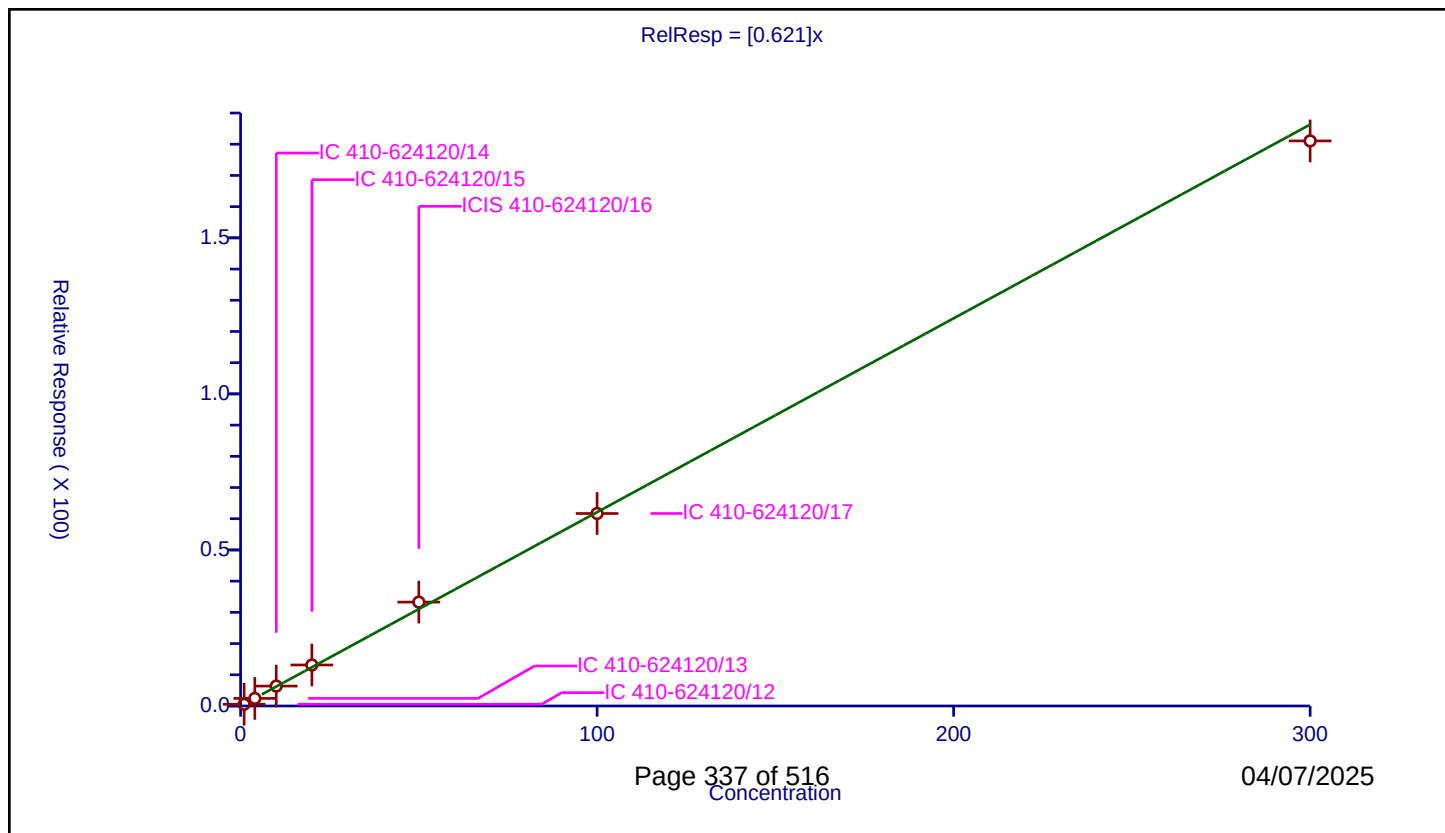
Curve Coefficients

Intercept: 0
 Slope: 0.621

Error Coefficients

Relative Standard Deviation: 5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.558233	50.0	794381.0	0.558233	Y
2	IC 410-624120/13	4.0	2.432794	50.0	822059.0	0.608198	Y
3	IC 410-624120/14	10.0	6.379208	50.0	836977.0	0.637921	Y
4	IC 410-624120/15	20.0	13.133142	50.0	824163.0	0.656657	Y
5	ICIS 410-624120/16	50.0	33.286972	50.0	838693.0	0.665739	Y
6	IC 410-624120/17	100.0	61.679968	50.0	886856.0	0.6168	Y
7	IC 410-624120/18	300.0	181.053359	50.0	915215.0	0.603511	Y



Calibration

/ Isopropyl alcohol

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

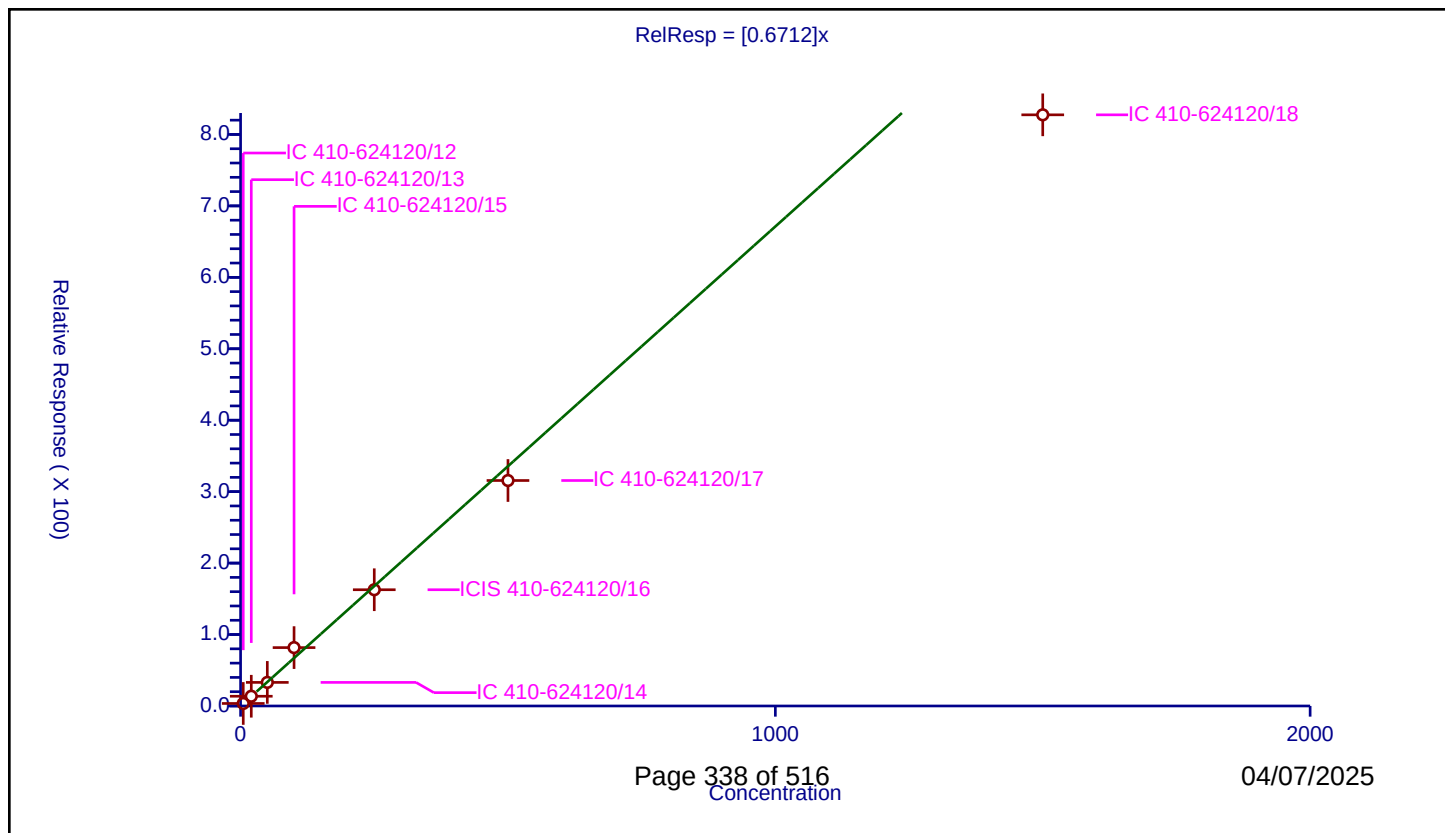
Curve Coefficients

Intercept: 0
Slope: 0.6712

Error Coefficients

Relative Standard Deviation: 12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	5.0	3.521888	250.0	309777.0	0.704378	Y
2	IC 410-624120/13	20.0	13.658224	250.0	329783.0	0.682911	Y
3	IC 410-624120/14	50.0	32.999264	250.0	333015.0	0.659985	Y
4	IC 410-624120/15	100.0	81.71012	250.0	331544.0	0.817101	Y
5	ICIS 410-624120/16	250.0	162.733486	250.0	332301.0	0.650934	Y
6	IC 410-624120/17	500.0	315.600964	250.0	354023.0	0.631202	Y
7	IC 410-624120/18	1500.0	827.46585	250.0	361569.0	0.551644	Y



Calibration

/ Carbon disulfide

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

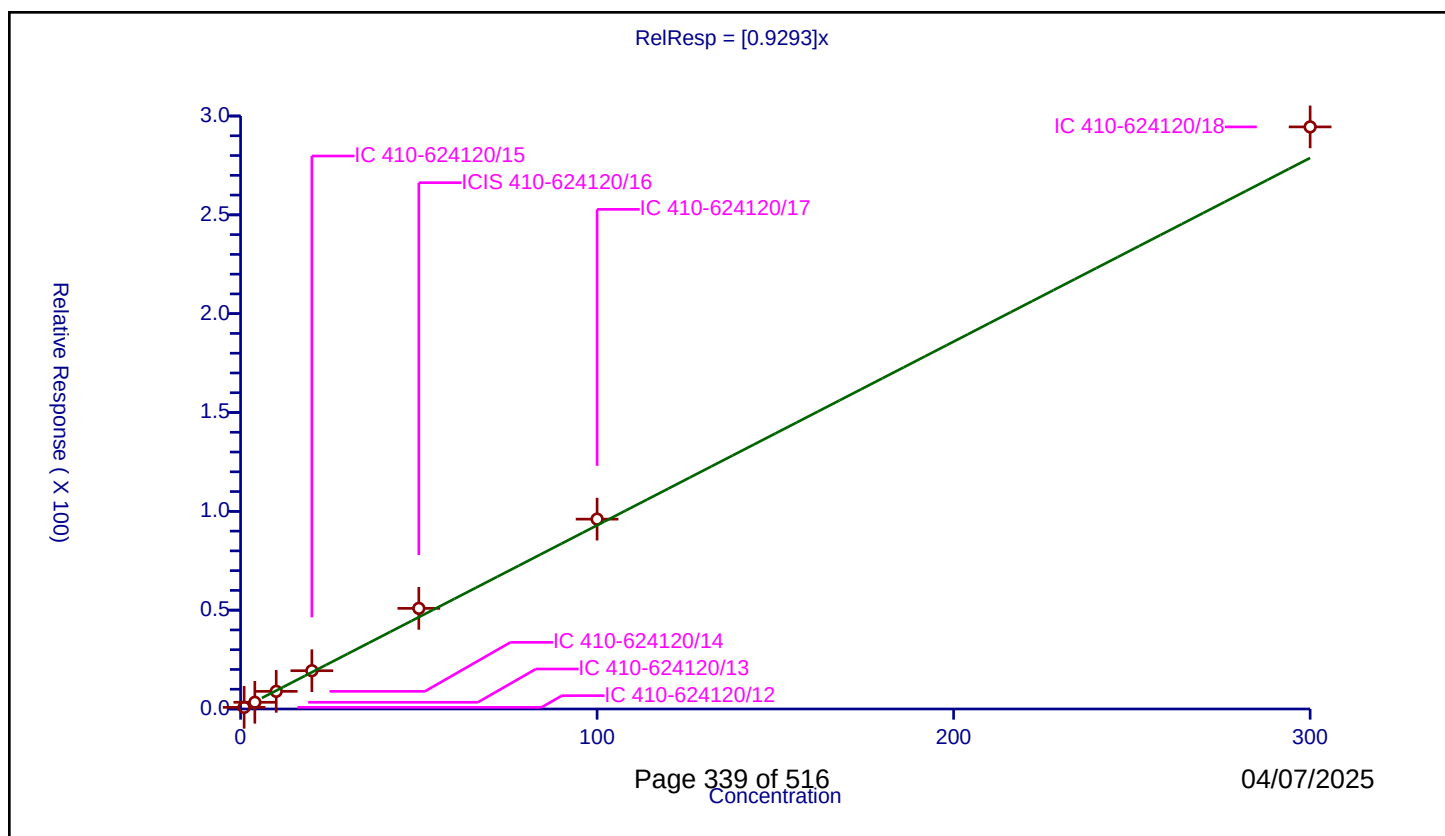
Curve Coefficients

Intercept: 0
 Slope: 0.9293

Error Coefficients

Relative Standard Deviation: 7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.834738	50.0	794381.0	0.834738	Y
2	IC 410-624120/13	4.0	3.396836	50.0	822059.0	0.849209	Y
3	IC 410-624120/14	10.0	8.921034	50.0	836977.0	0.892103	Y
4	IC 410-624120/15	20.0	19.372503	50.0	824163.0	0.968625	Y
5	ICIS 410-624120/16	50.0	50.913624	50.0	838693.0	1.018272	Y
6	IC 410-624120/17	100.0	96.05494	50.0	886856.0	0.960549	Y
7	IC 410-624120/18	300.0	294.491076	50.0	915215.0	0.981637	Y



Calibration

/ Methyl acetate

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

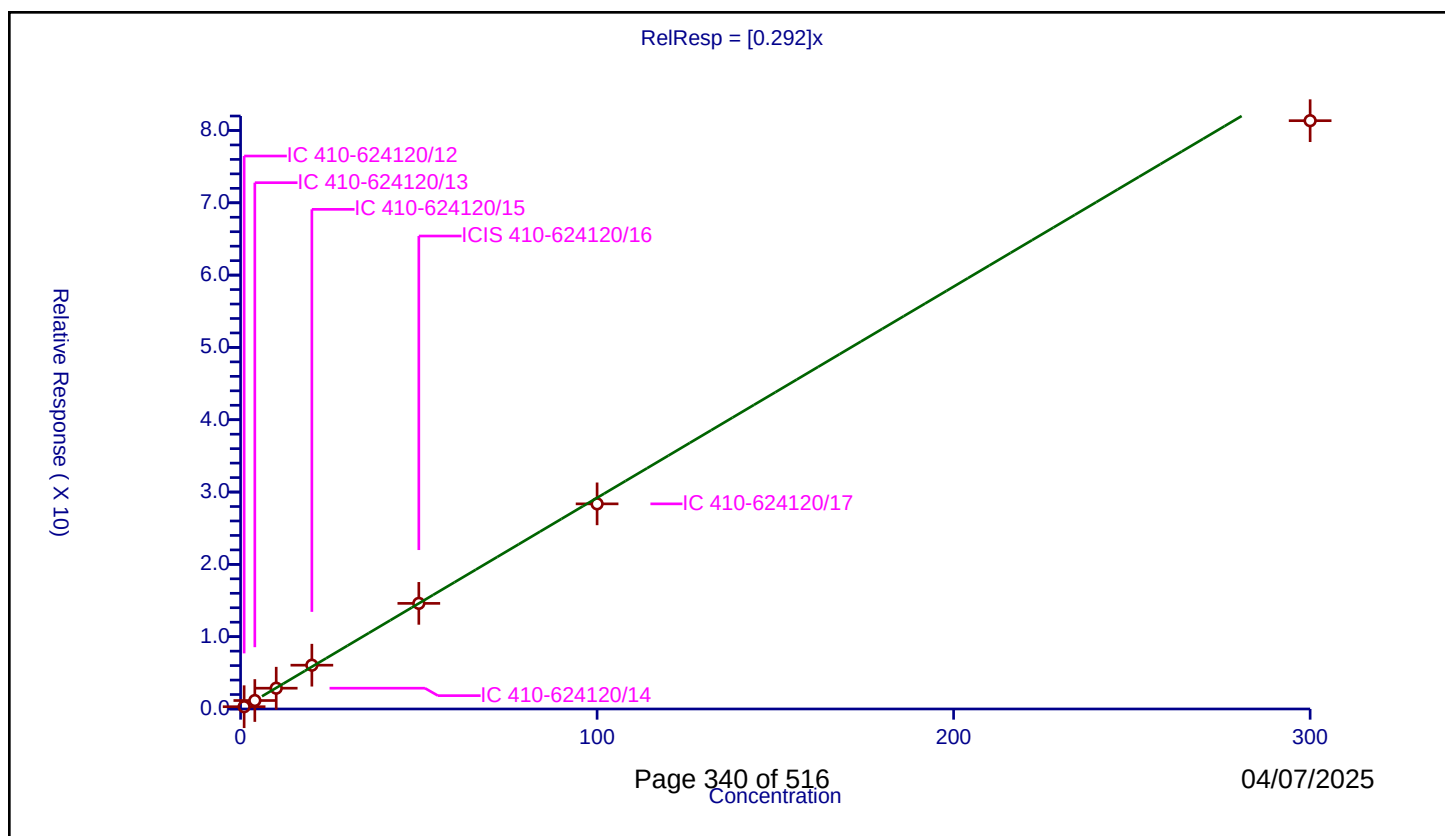
Curve Coefficients

Intercept: 0
Slope: 0.292

Error Coefficients

Relative Standard Deviation: 4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.314144	50.0	794381.0	0.314144	Y
2	IC 410-624120/13	4.0	1.170597	50.0	822059.0	0.292649	Y
3	IC 410-624120/14	10.0	2.876184	50.0	836977.0	0.287618	Y
4	IC 410-624120/15	20.0	6.056084	50.0	824163.0	0.302804	Y
5	ICIS 410-624120/16	50.0	14.606537	50.0	838693.0	0.292131	Y
6	IC 410-624120/17	100.0	28.367627	50.0	886856.0	0.283676	Y
7	IC 410-624120/18	300.0	81.353398	50.0	915215.0	0.271178	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

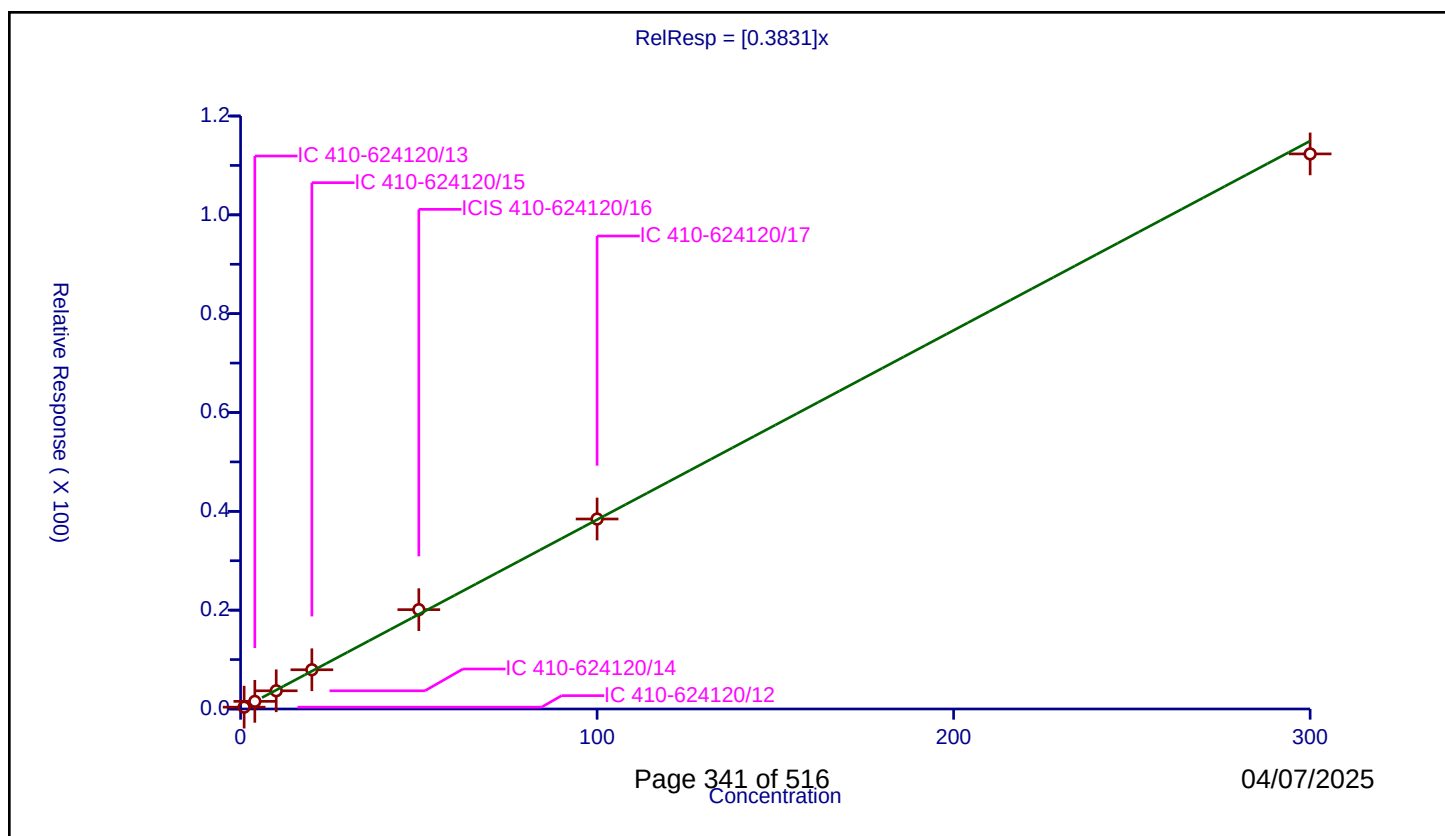
Curve Coefficients

Intercept: 0
Slope: 0.3831

Error Coefficients

Relative Standard Deviation: 3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.369092	50.0	794381.0	0.369092	Y
2	IC 410-624120/13	4.0	1.546908	50.0	822059.0	0.386727	Y
3	IC 410-624120/14	10.0	3.681403	50.0	836977.0	0.36814	Y
4	IC 410-624120/15	20.0	7.939692	50.0	824163.0	0.396985	Y
5	ICIS 410-624120/16	50.0	20.106642	50.0	838693.0	0.402133	Y
6	IC 410-624120/17	100.0	38.446095	50.0	886856.0	0.384461	Y
7	IC 410-624120/18	300.0	112.330764	50.0	915215.0	0.374436	Y



Calibration

/ Methylene Chloride

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

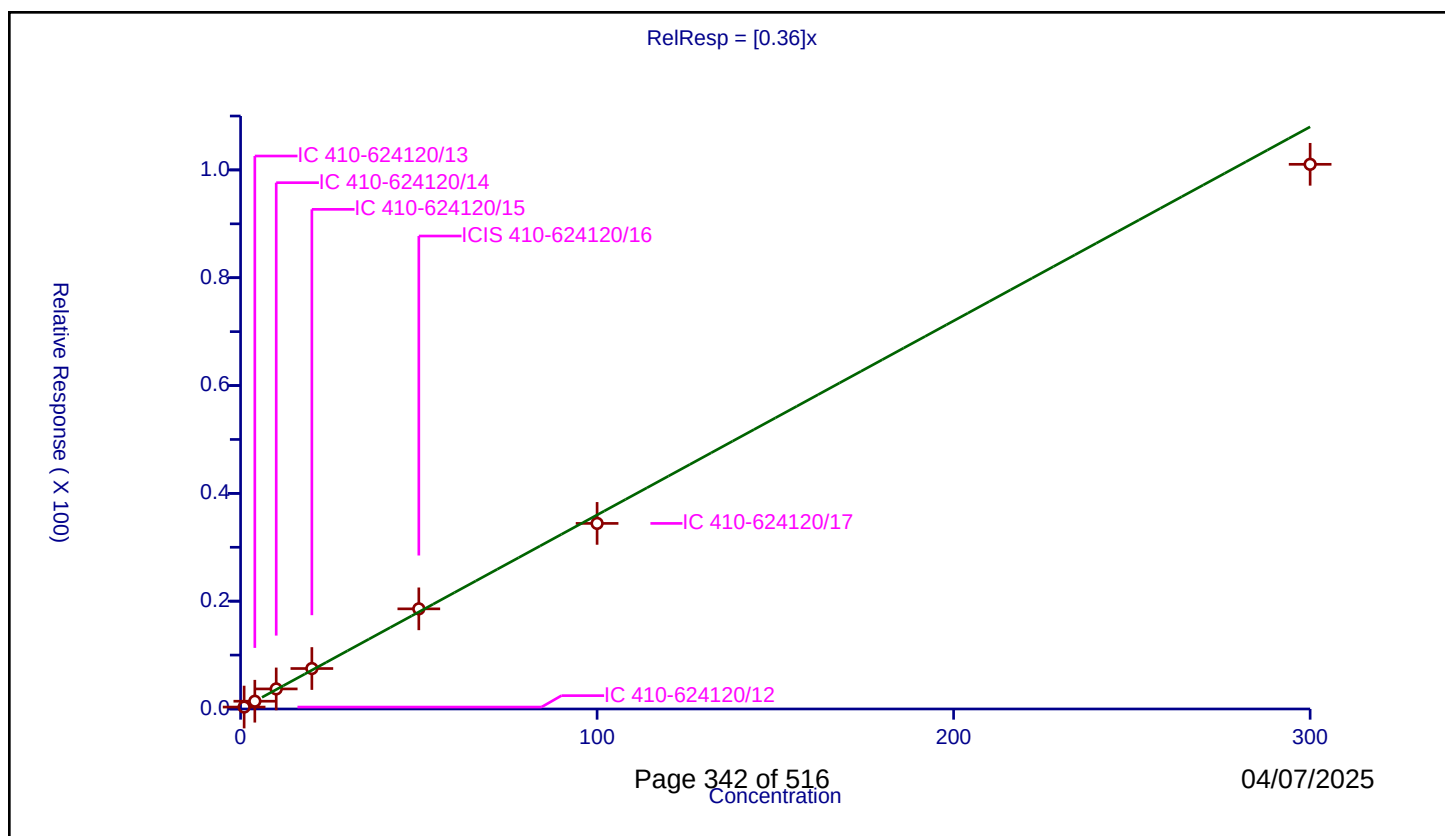
Curve Coefficients

Intercept: 0
Slope: 0.36

Error Coefficients

Relative Standard Deviation: 4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.358707	50.0	794381.0	0.358707	Y
2	IC 410-624120/13	4.0	1.442962	50.0	822059.0	0.360741	Y
3	IC 410-624120/14	10.0	3.724296	50.0	836977.0	0.37243	Y
4	IC 410-624120/15	20.0	7.506585	50.0	824163.0	0.375329	Y
5	ICIS 410-624120/16	50.0	18.577179	50.0	838693.0	0.371544	Y
6	IC 410-624120/17	100.0	34.427348	50.0	886856.0	0.344273	Y
7	IC 410-624120/18	300.0	101.041449	50.0	915215.0	0.336805	Y



Calibration

/ 2-Methyl-2-propanol

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

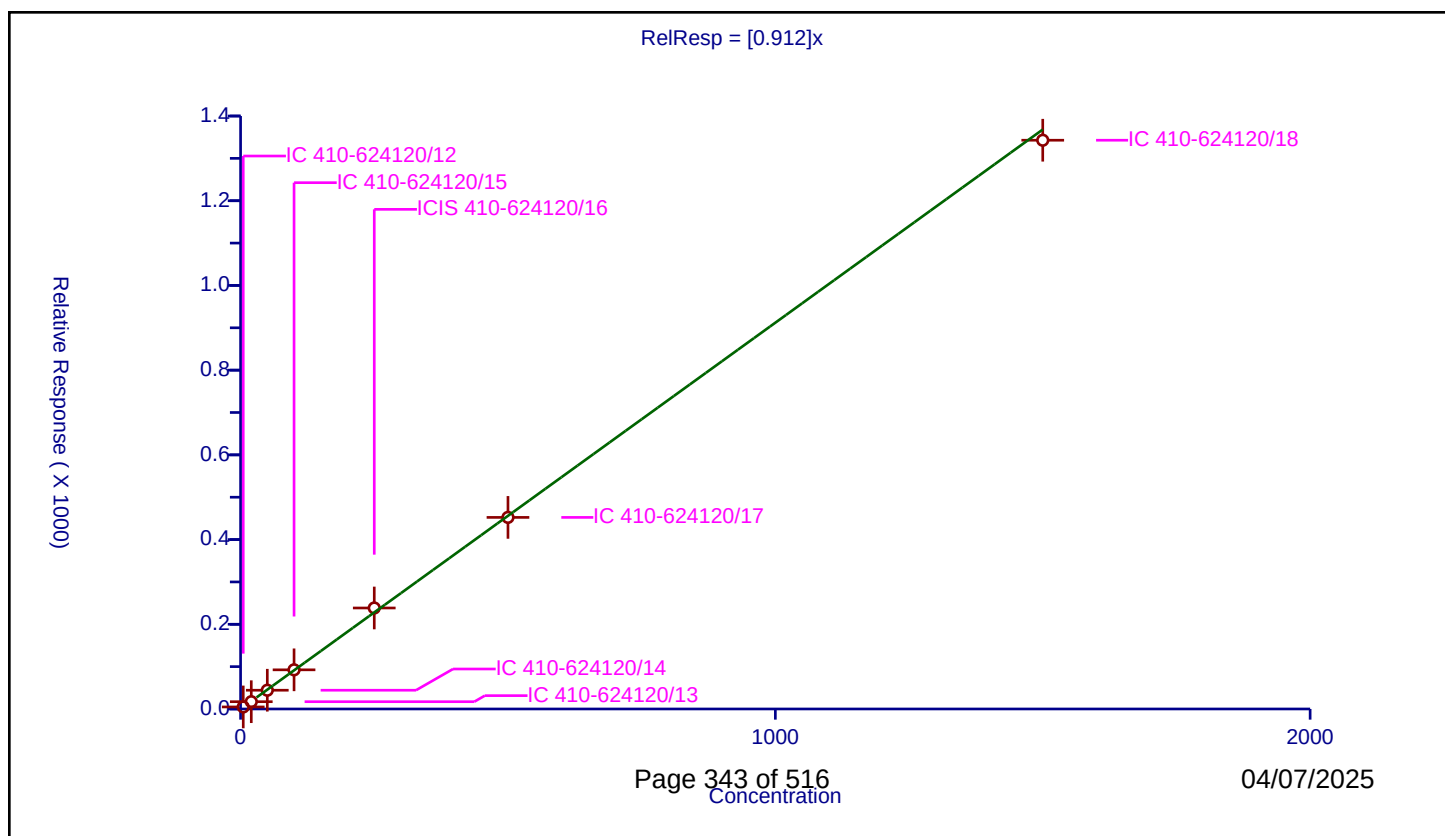
Curve Coefficients

Intercept: 0
Slope: 0.912

Error Coefficients

Relative Standard Deviation: 3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	5.0	4.788122	250.0	309777.0	0.957624	Y
2	IC 410-624120/13	20.0	17.243915	250.0	329783.0	0.862196	Y
3	IC 410-624120/14	50.0	44.290047	250.0	333015.0	0.885801	Y
4	IC 410-624120/15	100.0	92.486216	250.0	331544.0	0.924862	Y
5	ICIS 410-624120/16	250.0	238.47581	250.0	332301.0	0.953903	Y
6	IC 410-624120/17	500.0	452.34561	250.0	354023.0	0.904691	Y
7	IC 410-624120/18	1500.0	1342.817692	250.0	361569.0	0.895212	Y



Calibration

/ Acrylonitrile

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

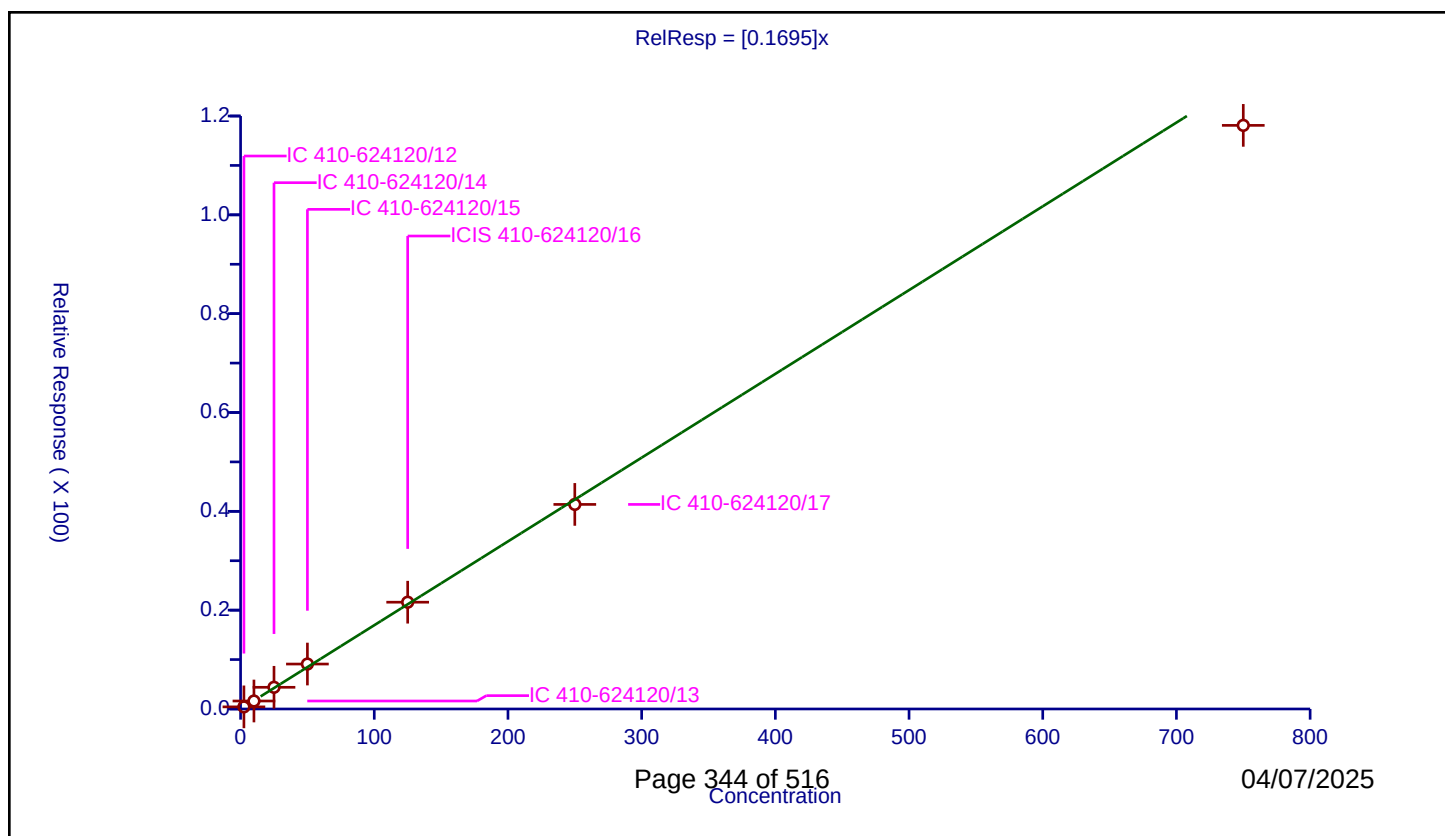
Curve Coefficients

Intercept: 0
 Slope: 0.1695

Error Coefficients

Relative Standard Deviation: 5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	2.5	0.429517	50.0	794381.0	0.171807	Y
2	IC 410-624120/13	10.0	1.613874	50.0	822059.0	0.161387	Y
3	IC 410-624120/14	25.0	4.390861	50.0	836977.0	0.175634	Y
4	IC 410-624120/15	50.0	9.097836	50.0	824163.0	0.181957	Y
5	ICIS 410-624120/16	125.0	21.609397	50.0	838693.0	0.172875	Y
6	IC 410-624120/17	250.0	41.401141	50.0	886856.0	0.165605	Y
7	IC 410-624120/18	750.0	118.107986	50.0	915215.0	0.157477	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

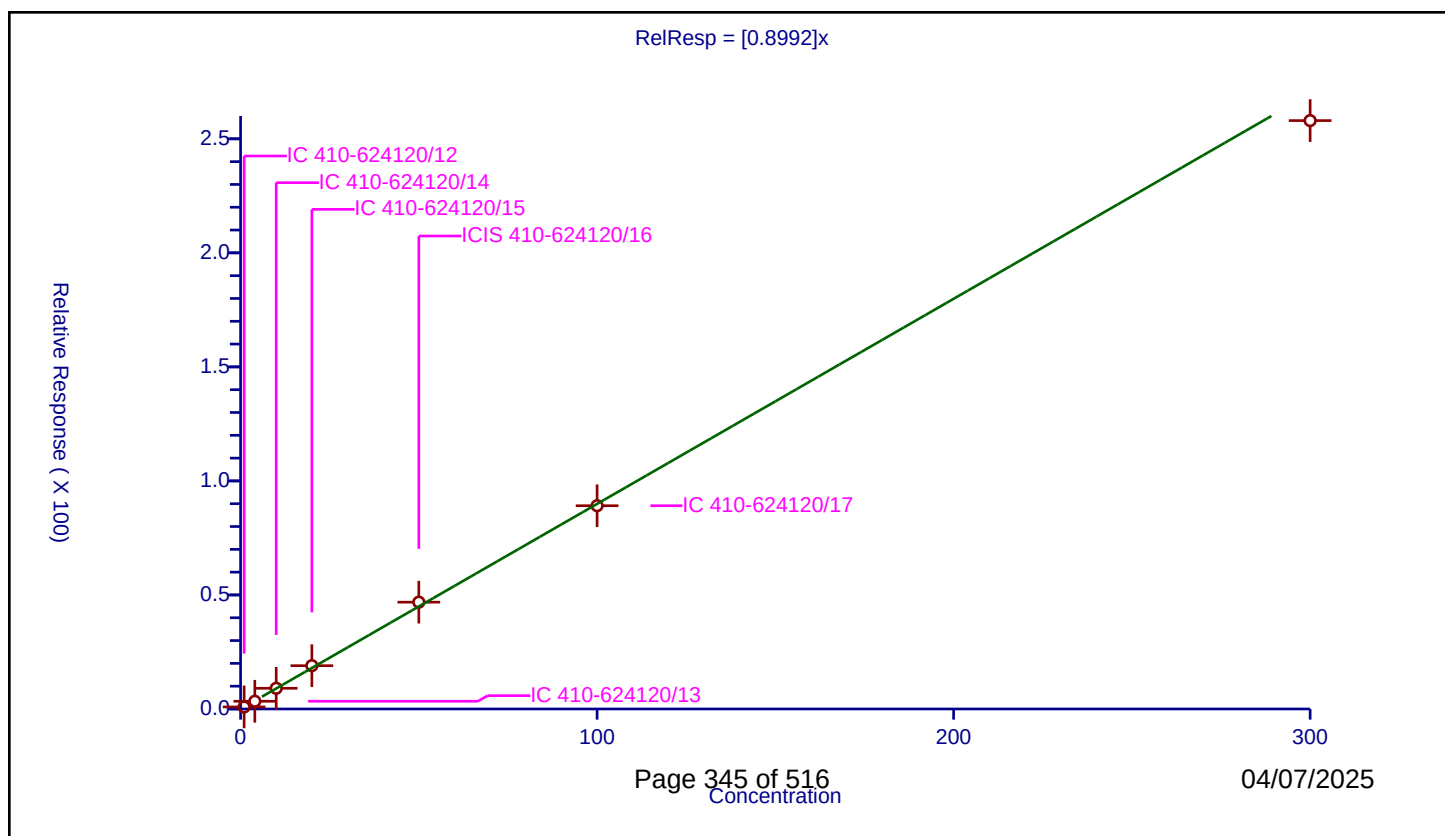
Curve Coefficients

Intercept: 0
Slope: 0.8992

Error Coefficients

Relative Standard Deviation: 4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.901268	50.0	794381.0	0.901268	Y
2	IC 410-624120/13	4.0	3.390085	50.0	822059.0	0.847521	Y
3	IC 410-624120/14	10.0	9.083882	50.0	836977.0	0.908388	Y
4	IC 410-624120/15	20.0	18.986717	50.0	824163.0	0.949336	Y
5	ICIS 410-624120/16	50.0	46.836804	50.0	838693.0	0.936736	Y
6	IC 410-624120/17	100.0	89.12501	50.0	886856.0	0.89125	Y
7	IC 410-624120/18	300.0	257.992985	50.0	915215.0	0.859977	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

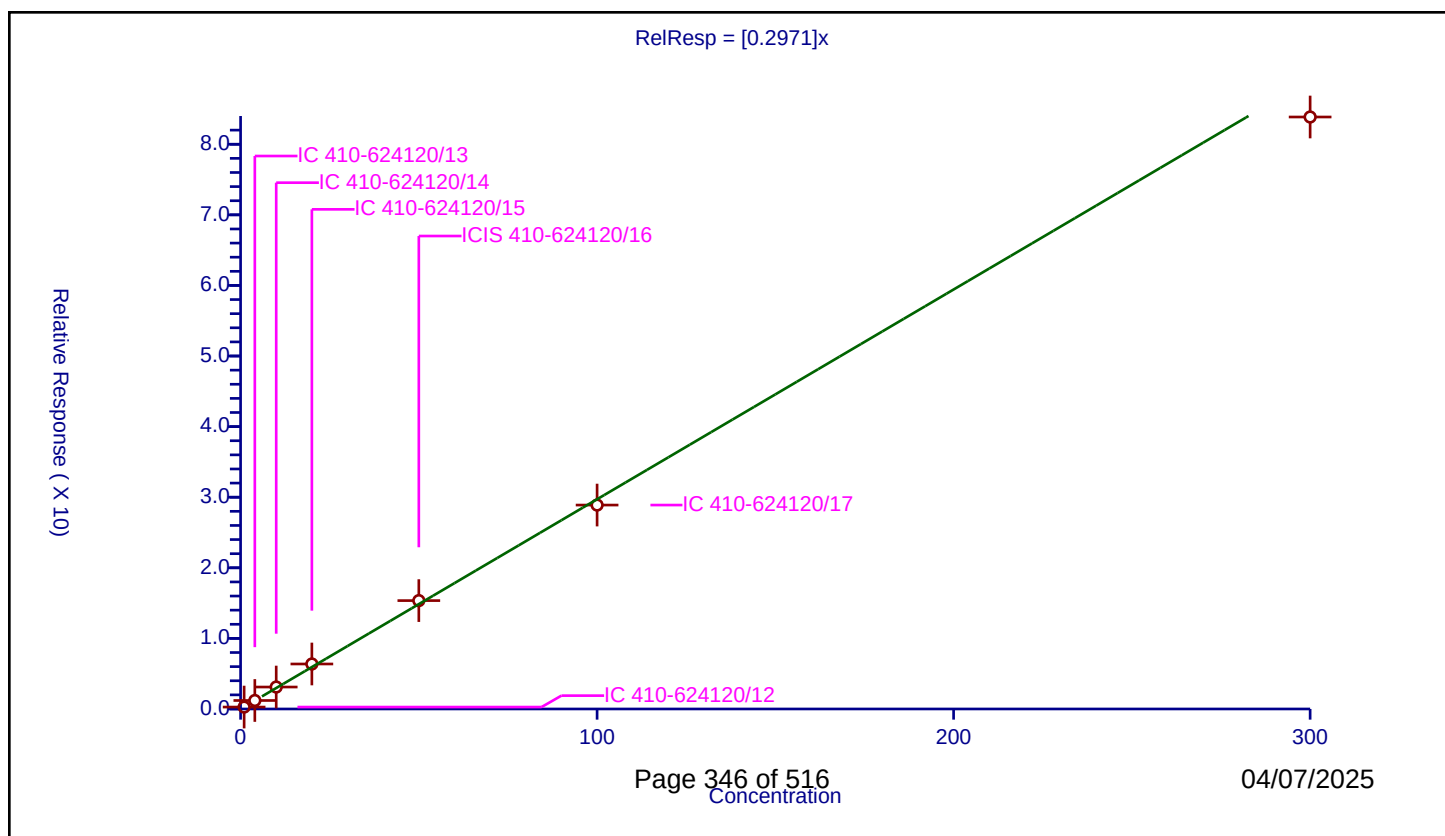
Curve Coefficients

Intercept: 0
Slope: 0.2971

Error Coefficients

Relative Standard Deviation: 5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.274113	50.0	794381.0	0.274113	Y
2	IC 410-624120/13	4.0	1.201982	50.0	822059.0	0.300495	Y
3	IC 410-624120/14	10.0	3.109165	50.0	836977.0	0.310917	Y
4	IC 410-624120/15	20.0	6.375681	50.0	824163.0	0.318784	Y
5	ICIS 410-624120/16	50.0	15.353234	50.0	838693.0	0.307065	Y
6	IC 410-624120/17	100.0	28.89009	50.0	886856.0	0.288901	Y
7	IC 410-624120/18	300.0	83.859202	50.0	915215.0	0.279531	Y



Calibration

/ Hexane

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

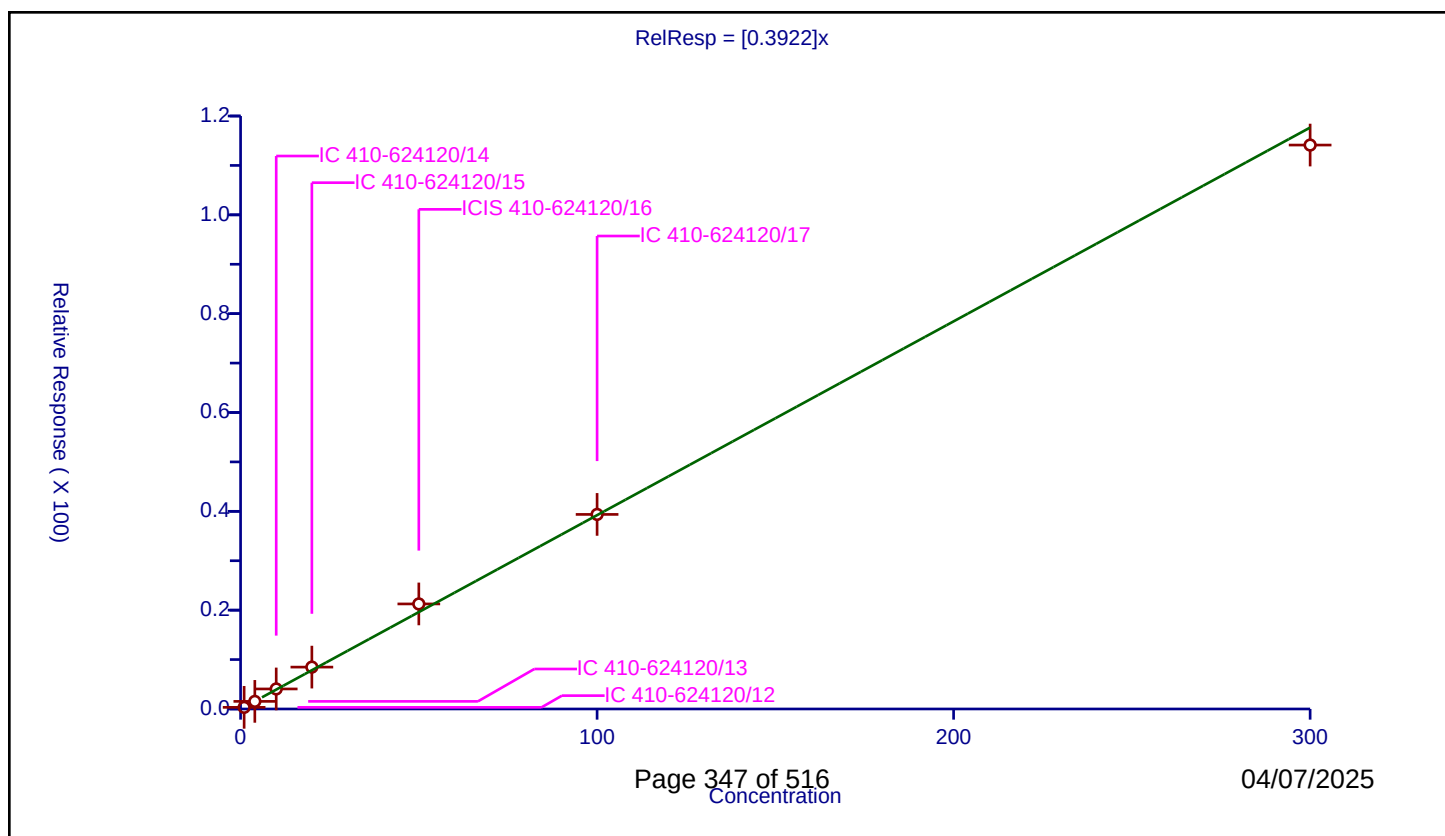
Curve Coefficients

Intercept: 0
Slope: 0.3922

Error Coefficients

Relative Standard Deviation: 8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.330824	50.0	794381.0	0.330824	Y
2	IC 410-624120/13	4.0	1.542894	50.0	822059.0	0.385724	Y
3	IC 410-624120/14	10.0	4.057818	50.0	836977.0	0.405782	Y
4	IC 410-624120/15	20.0	8.47569	50.0	824163.0	0.423784	Y
5	ICIS 410-624120/16	50.0	21.25915	50.0	838693.0	0.425183	Y
6	IC 410-624120/17	100.0	39.374092	50.0	886856.0	0.393741	Y
7	IC 410-624120/18	300.0	114.122365	50.0	915215.0	0.380408	Y



Calibration

/ 1,1-Dichloroethane

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

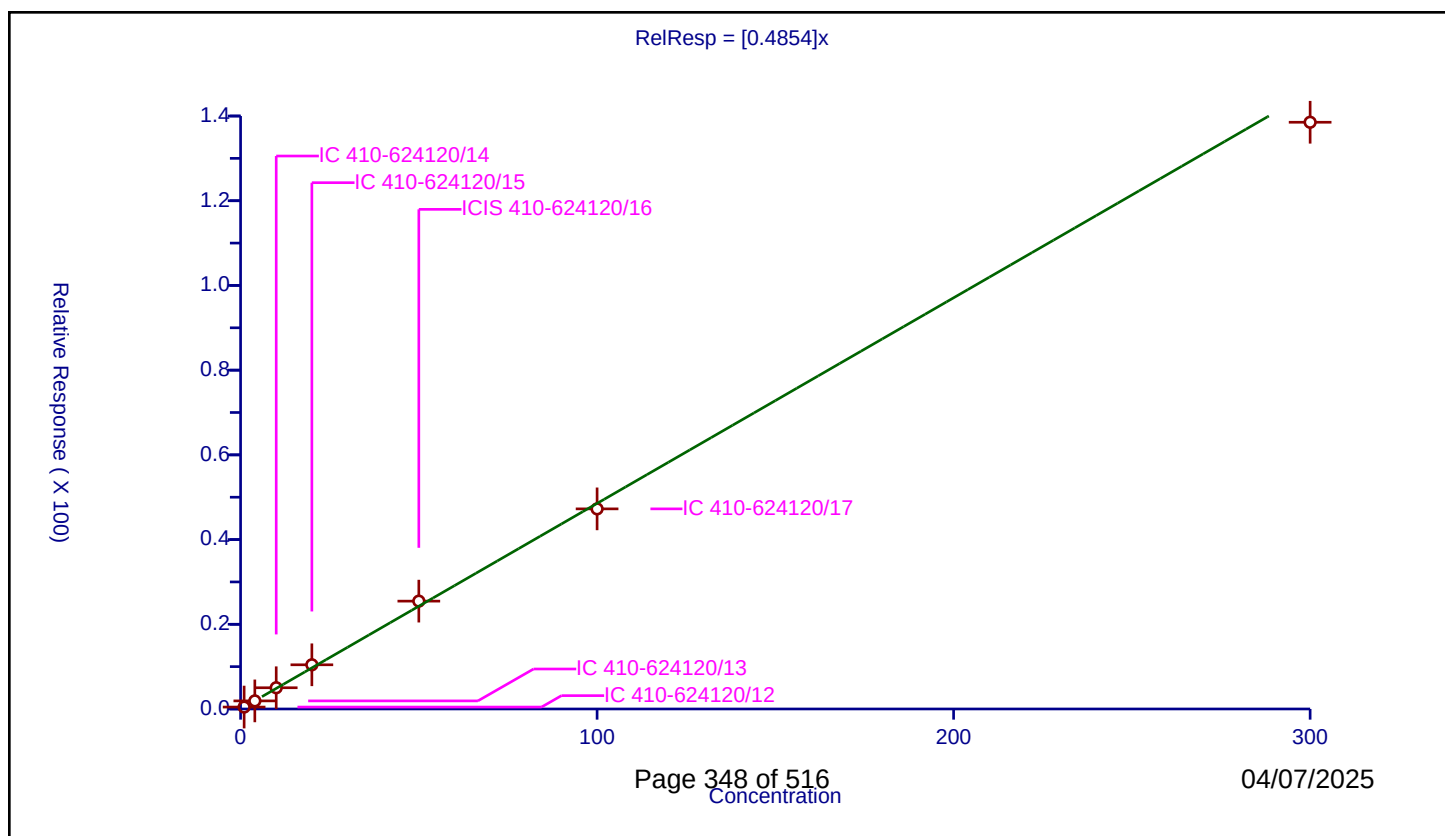
Curve Coefficients

Intercept: 0
Slope: 0.4854

Error Coefficients

Relative Standard Deviation: 5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.453812	50.0	794381.0	0.453812	Y
2	IC 410-624120/13	4.0	1.907771	50.0	822059.0	0.476943	Y
3	IC 410-624120/14	10.0	5.016924	50.0	836977.0	0.501692	Y
4	IC 410-624120/15	20.0	10.437438	50.0	824163.0	0.521872	Y
5	ICIS 410-624120/16	50.0	25.461879	50.0	838693.0	0.509238	Y
6	IC 410-624120/17	100.0	47.246227	50.0	886856.0	0.472462	Y
7	IC 410-624120/18	300.0	138.528652	50.0	915215.0	0.461762	Y



Calibration

/ Isopropyl ether

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

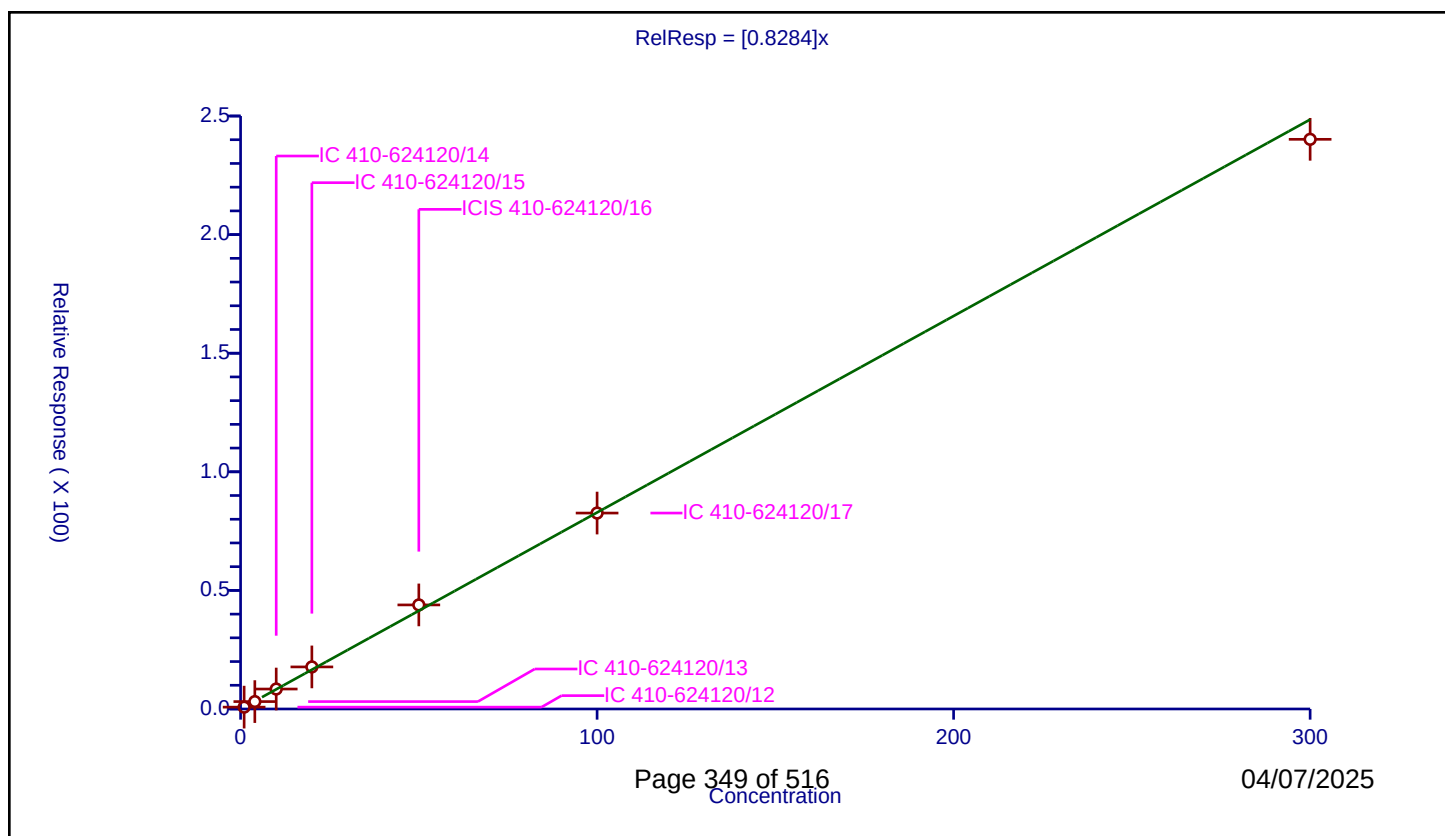
Curve Coefficients

Intercept: 0
 Slope: 0.8284

Error Coefficients

Relative Standard Deviation: 5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.786147	50.0	794381.0	0.786147	Y
2	IC 410-624120/13	4.0	3.121126	50.0	822059.0	0.780282	Y
3	IC 410-624120/14	10.0	8.415942	50.0	836977.0	0.841594	Y
4	IC 410-624120/15	20.0	17.732718	50.0	824163.0	0.886636	Y
5	ICIS 410-624120/16	50.0	43.874338	50.0	838693.0	0.877487	Y
6	IC 410-624120/17	100.0	82.608338	50.0	886856.0	0.826083	Y
7	IC 410-624120/18	300.0	240.179193	50.0	915215.0	0.800597	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

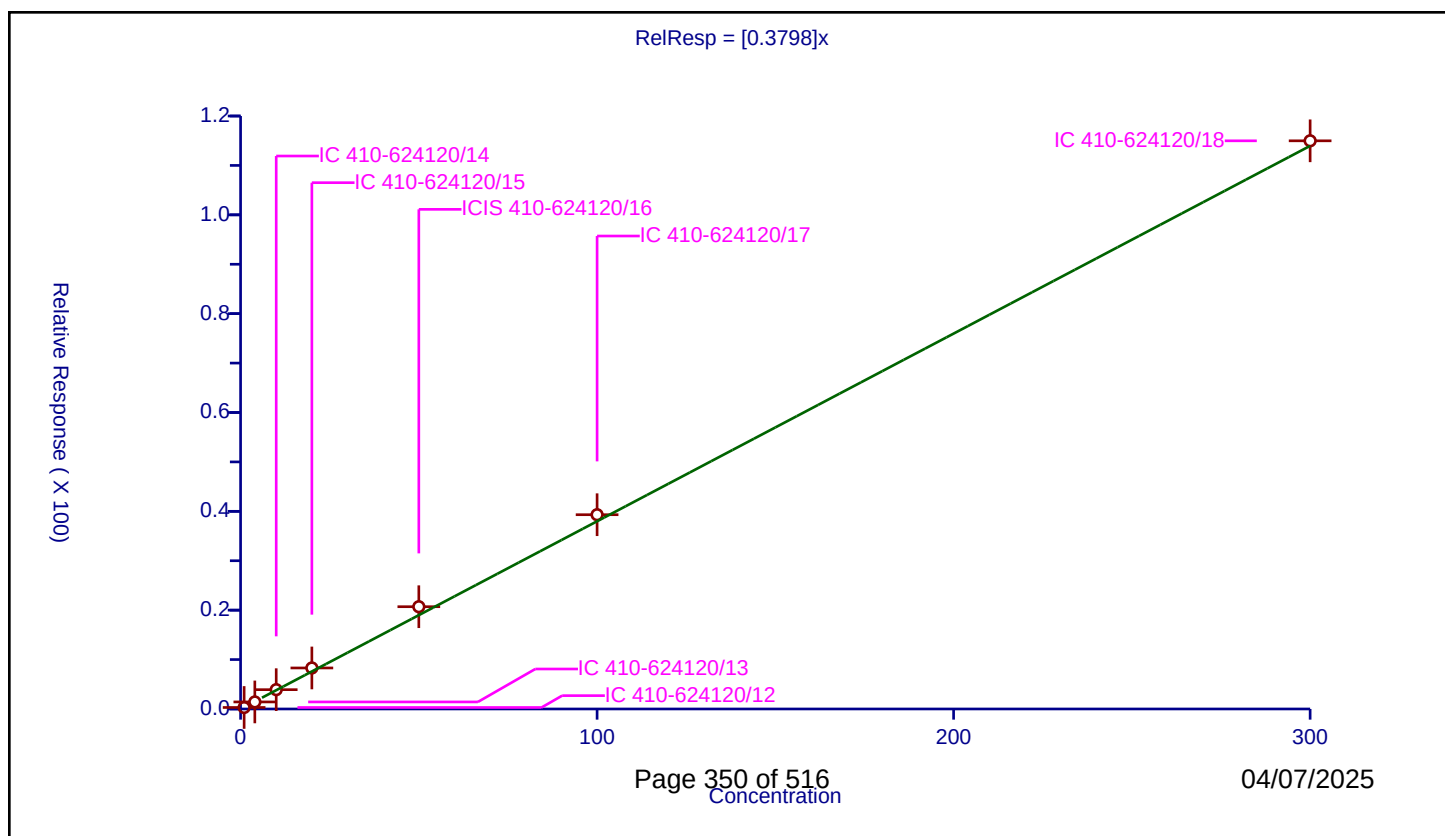
Curve Coefficients

Intercept: 0
Slope: 0.3798

Error Coefficients

Relative Standard Deviation: 10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.30508	50.0	794381.0	0.30508	Y
2	IC 410-624120/13	4.0	1.428851	50.0	822059.0	0.357213	Y
3	IC 410-624120/14	10.0	3.910143	50.0	836977.0	0.391014	Y
4	IC 410-624120/15	20.0	8.304183	50.0	824163.0	0.415209	Y
5	ICIS 410-624120/16	50.0	20.698873	50.0	838693.0	0.413977	Y
6	IC 410-624120/17	100.0	39.315064	50.0	886856.0	0.393151	Y
7	IC 410-624120/18	300.0	114.983474	50.0	915215.0	0.383278	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

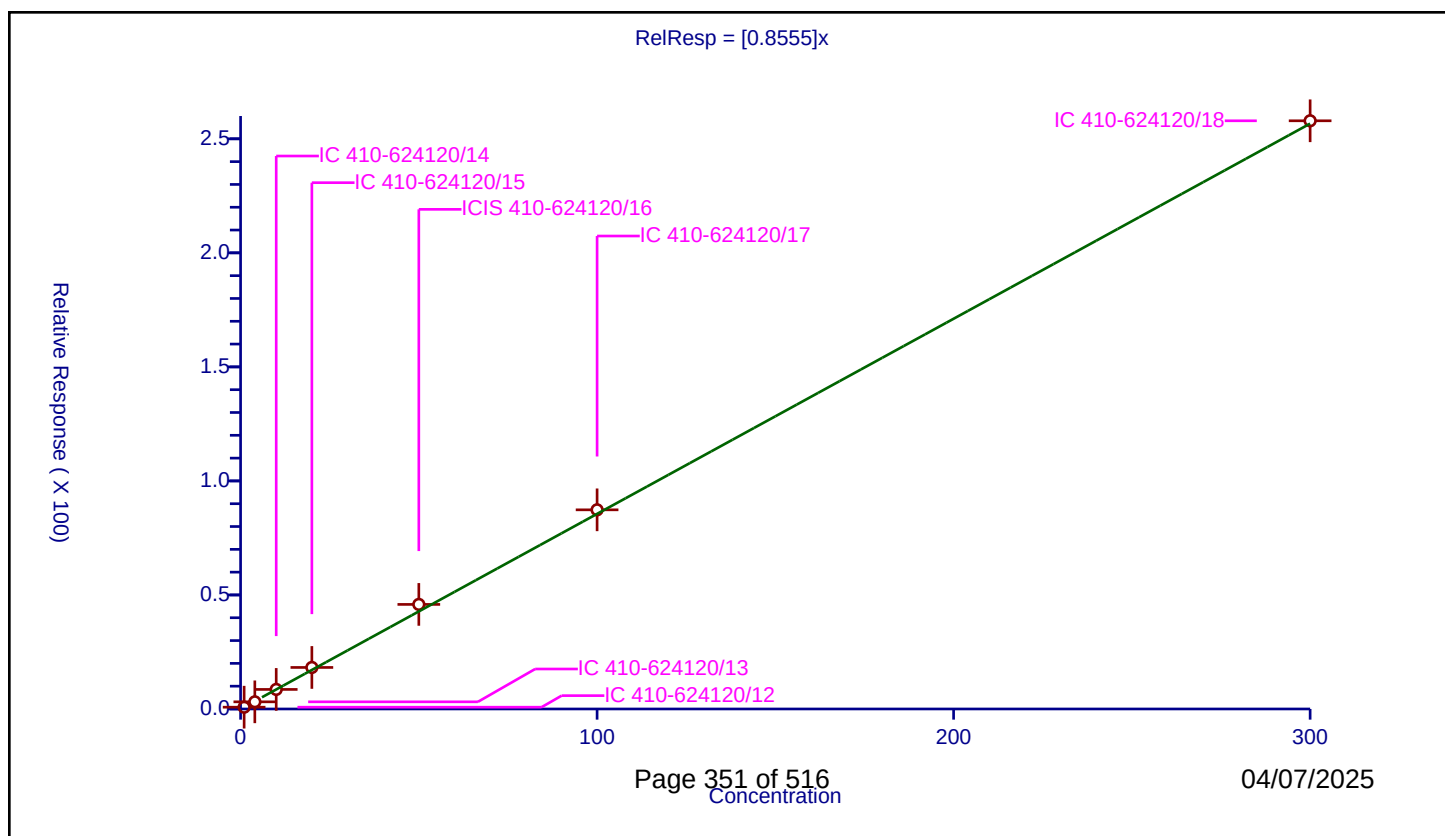
Curve Coefficients

Intercept: 0
Slope: 0.8555

Error Coefficients

Relative Standard Deviation: 6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.787909	50.0	794381.0	0.787909	Y
2	IC 410-624120/13	4.0	3.133595	50.0	822059.0	0.783399	Y
3	IC 410-624120/14	10.0	8.570725	50.0	836977.0	0.857073	Y
4	IC 410-624120/15	20.0	18.207321	50.0	824163.0	0.910366	Y
5	ICIS 410-624120/16	50.0	45.856171	50.0	838693.0	0.917123	Y
6	IC 410-624120/17	100.0	87.322237	50.0	886856.0	0.873222	Y
7	IC 410-624120/18	300.0	257.906557	50.0	915215.0	0.859689	Y



Calibration

/ 2-Butanone (MEK)

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

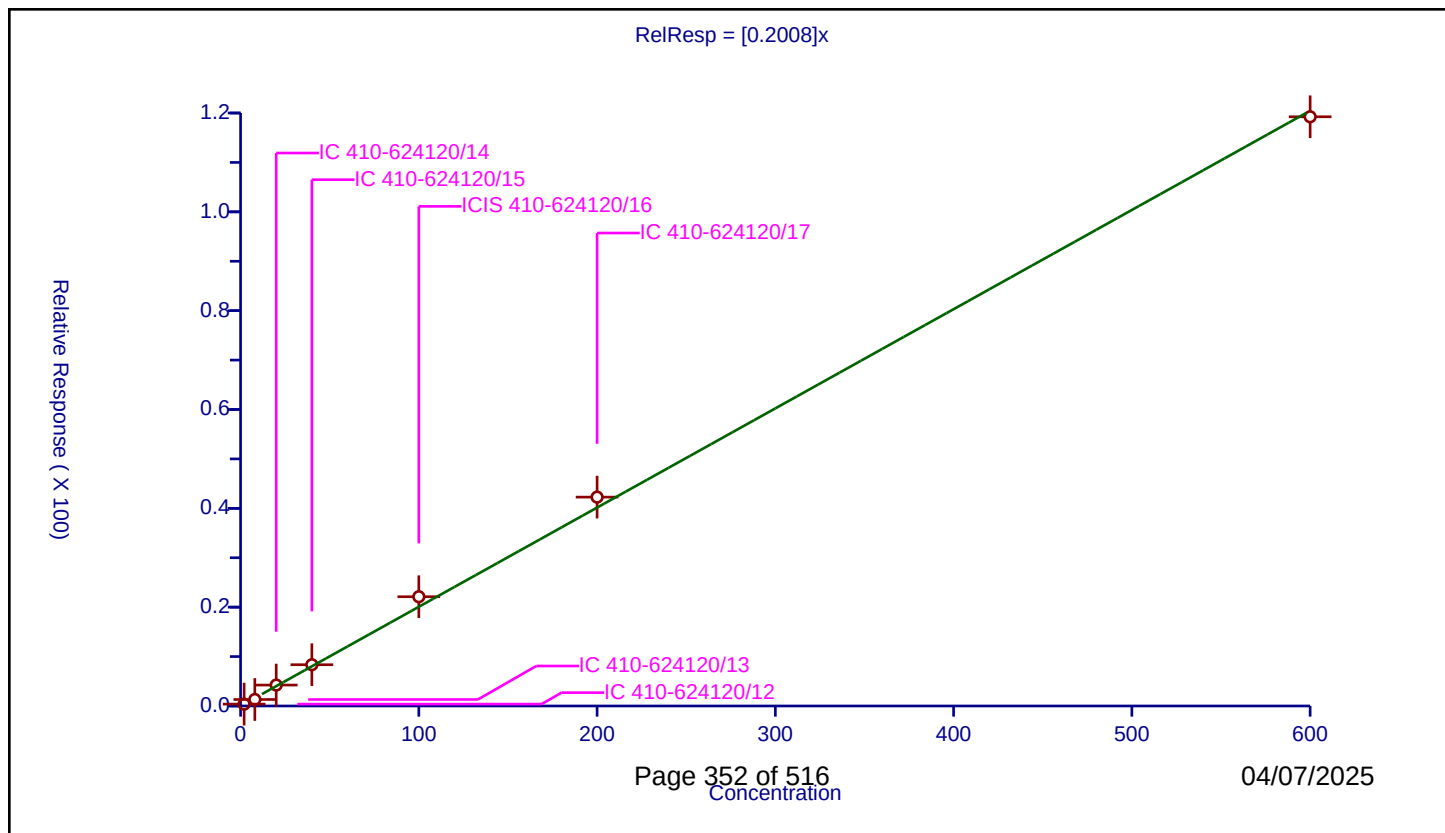
Curve Coefficients

Intercept: 0
Slope: 0.2008

Error Coefficients

Relative Standard Deviation: 9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	2.0	0.37866	50.0	794381.0	0.18933	Y
2	IC 410-624120/13	8.0	1.313957	50.0	822059.0	0.164245	Y
3	IC 410-624120/14	20.0	4.234286	50.0	836977.0	0.211714	Y
4	IC 410-624120/15	40.0	8.350957	50.0	824163.0	0.208774	Y
5	ICIS 410-624120/16	100.0	22.113872	50.0	838693.0	0.221139	Y
6	IC 410-624120/17	200.0	42.268925	50.0	886856.0	0.211345	Y
7	IC 410-624120/18	600.0	119.241107	50.0	915215.0	0.198735	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

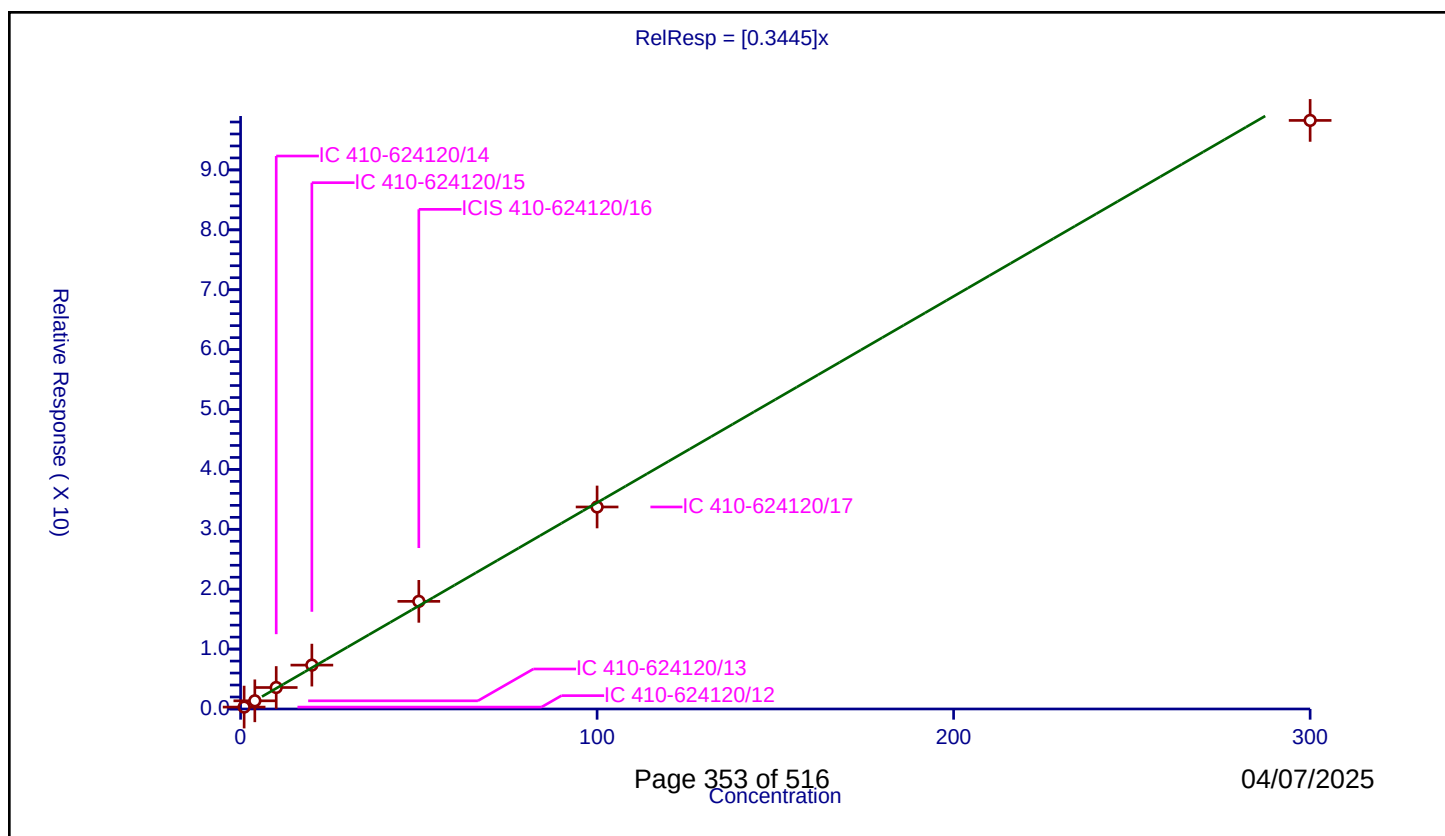
Curve Coefficients

Intercept: 0
Slope: 0.3445

Error Coefficients

Relative Standard Deviation: 5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.320438	50.0	794381.0	0.320438	Y
2	IC 410-624120/13	4.0	1.366143	50.0	822059.0	0.341536	Y
3	IC 410-624120/14	10.0	3.587793	50.0	836977.0	0.358779	Y
4	IC 410-624120/15	20.0	7.324825	50.0	824163.0	0.366241	Y
5	ICIS 410-624120/16	50.0	17.970521	50.0	838693.0	0.35941	Y
6	IC 410-624120/17	100.0	33.725035	50.0	886856.0	0.33725	Y
7	IC 410-624120/18	300.0	98.264288	50.0	915215.0	0.327548	Y



Calibration

/ 2,2-Dichloropropane

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

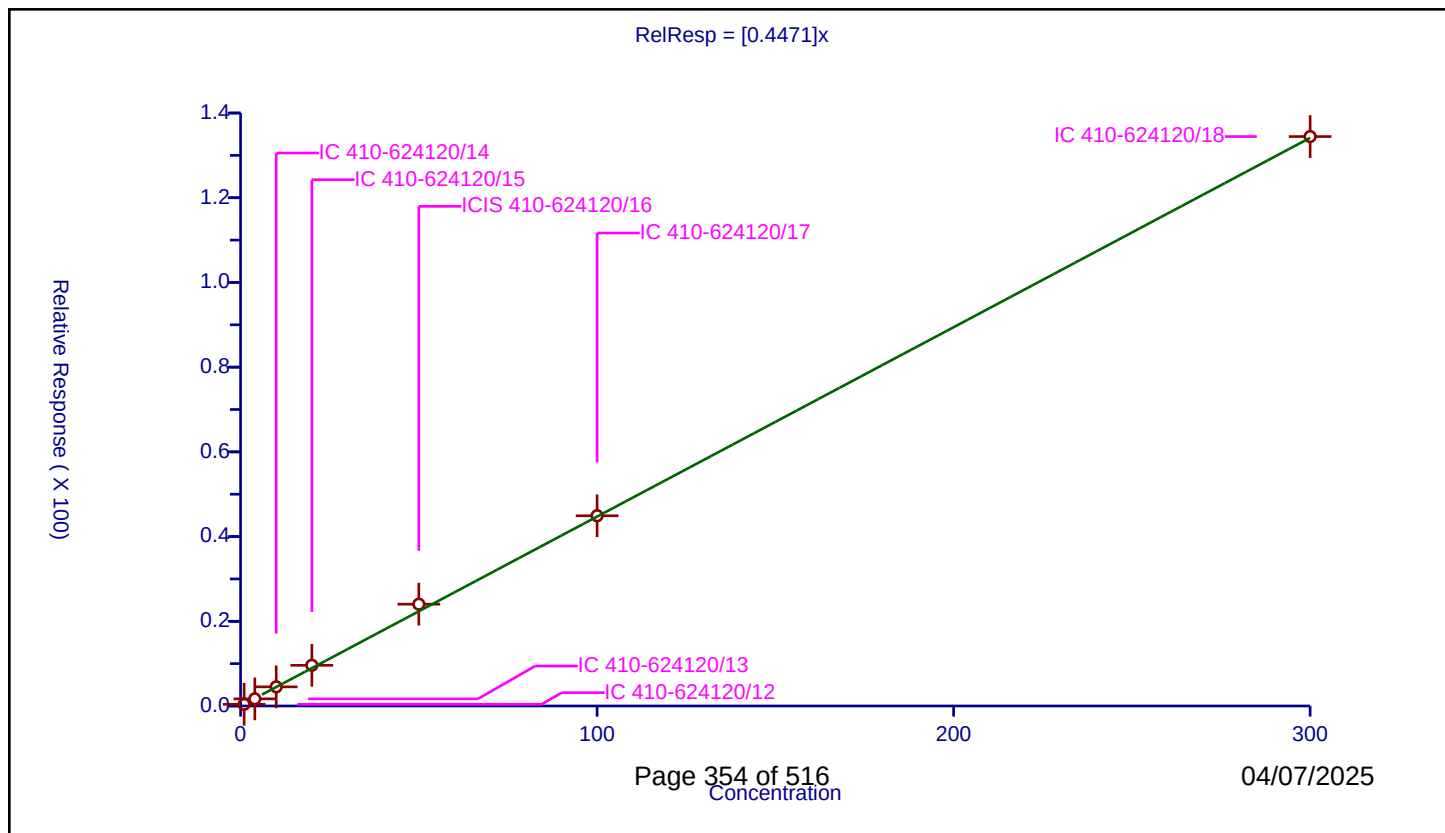
Curve Coefficients

Intercept: 0
Slope: 0.4471

Error Coefficients

Relative Standard Deviation: 6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.400438	50.0	794381.0	0.400438	Y
2	IC 410-624120/13	4.0	1.67713	50.0	822059.0	0.419283	Y
3	IC 410-624120/14	10.0	4.518523	50.0	836977.0	0.451852	Y
4	IC 410-624120/15	20.0	9.607323	50.0	824163.0	0.480366	Y
5	ICIS 410-624120/16	50.0	24.036686	50.0	838693.0	0.480734	Y
6	IC 410-624120/17	100.0	44.91462	50.0	886856.0	0.449146	Y
7	IC 410-624120/18	300.0	134.438411	50.0	915215.0	0.448128	Y



Calibration

/ Propionitrile

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

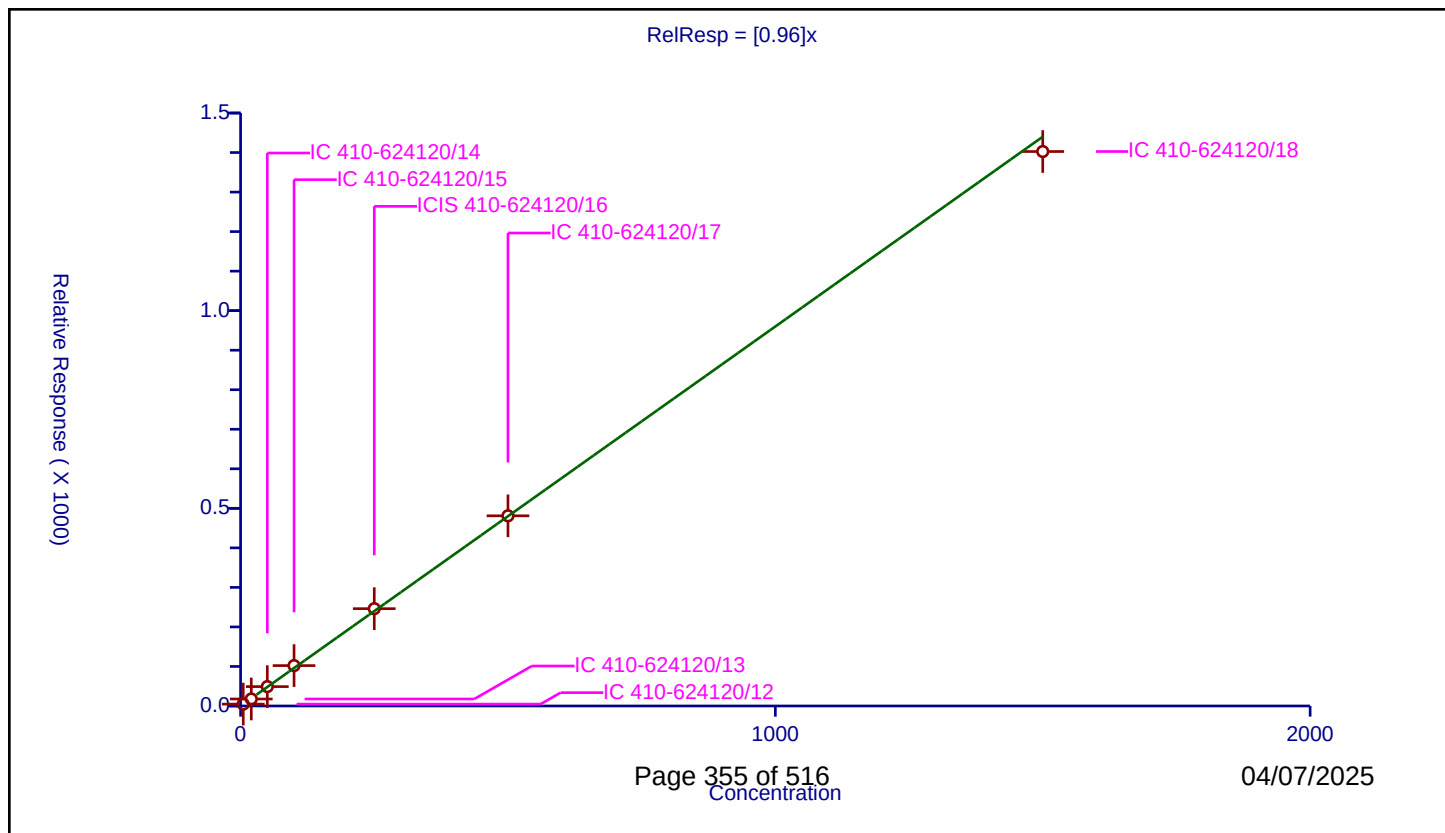
Curve Coefficients

Intercept: 0
Slope: 0.96

Error Coefficients

Relative Standard Deviation: 4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	5.0	4.753419	250.0	309777.0	0.950684	Y
2	IC 410-624120/13	20.0	17.701034	250.0	329783.0	0.885052	Y
3	IC 410-624120/14	50.0	49.02632	250.0	333015.0	0.980526	Y
4	IC 410-624120/15	100.0	102.15914	250.0	331544.0	1.021591	Y
5	ICIS 410-624120/16	250.0	246.199981	250.0	332301.0	0.9848	Y
6	IC 410-624120/17	500.0	481.03513	250.0	354023.0	0.96207	Y
7	IC 410-624120/18	1500.0	1402.598121	250.0	361569.0	0.935065	Y



Calibration

/ Methyl acrylate

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

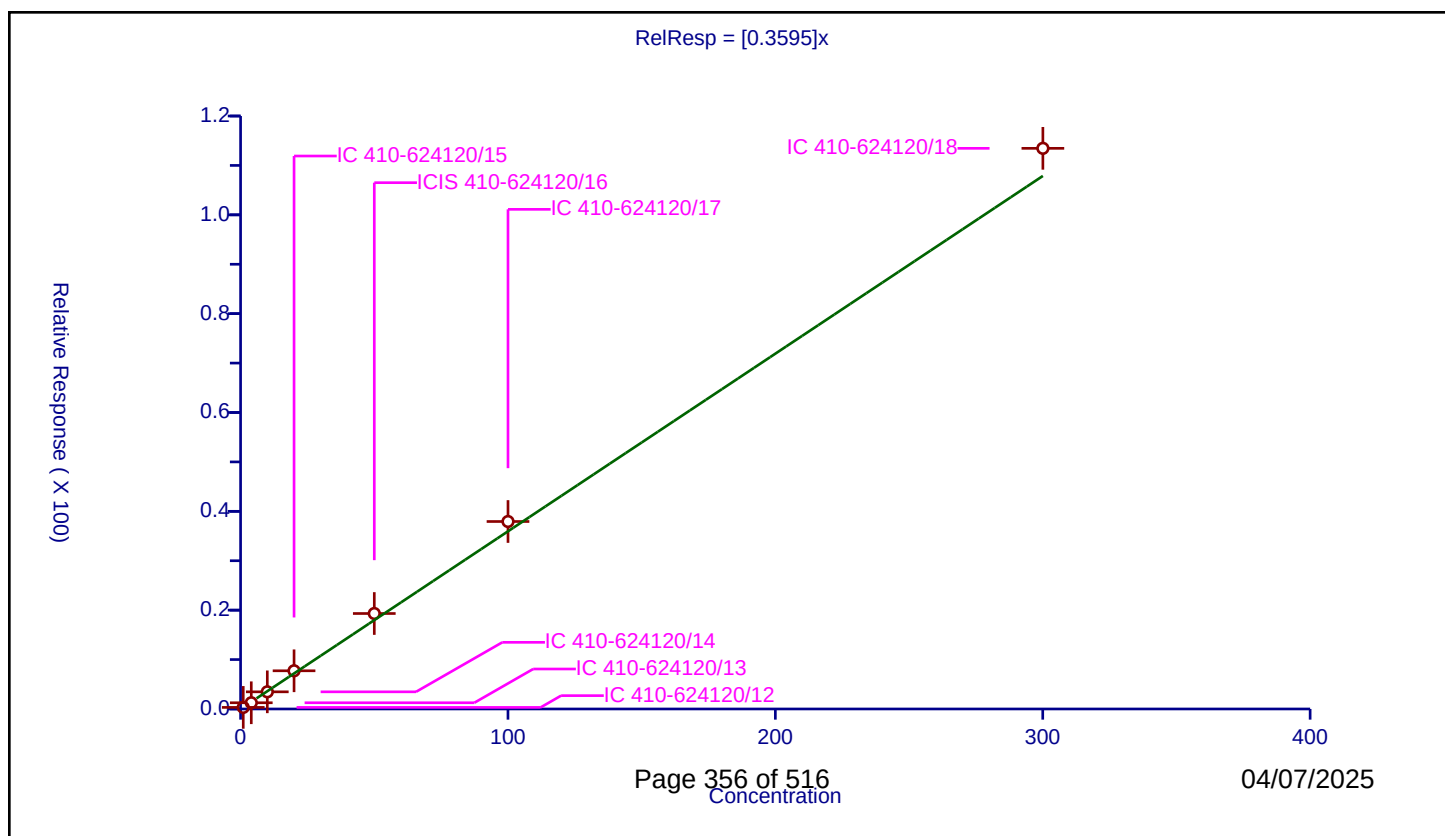
Curve Coefficients

Intercept: 0
Slope: 0.3595

Error Coefficients

Relative Standard Deviation: 8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.000186	0.323711	50.0	794381.0	0.323651	Y
2	IC 410-624120/13	4.000742	1.261223	50.0	822059.0	0.315247	Y
3	IC 410-624120/14	10.001856	3.474289	50.0	836977.0	0.347364	Y
4	IC 410-624120/15	20.003712	7.732936	50.0	824163.0	0.386575	Y
5	ICIS 410-624120/16	50.00928	19.320478	50.0	838693.0	0.386338	Y
6	IC 410-624120/17	100.01856	37.938572	50.0	886856.0	0.379315	Y
7	IC 410-624120/18	300.05568	113.461536	50.0	915215.0	0.378135	Y



Calibration

/ Methacrylonitrile

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

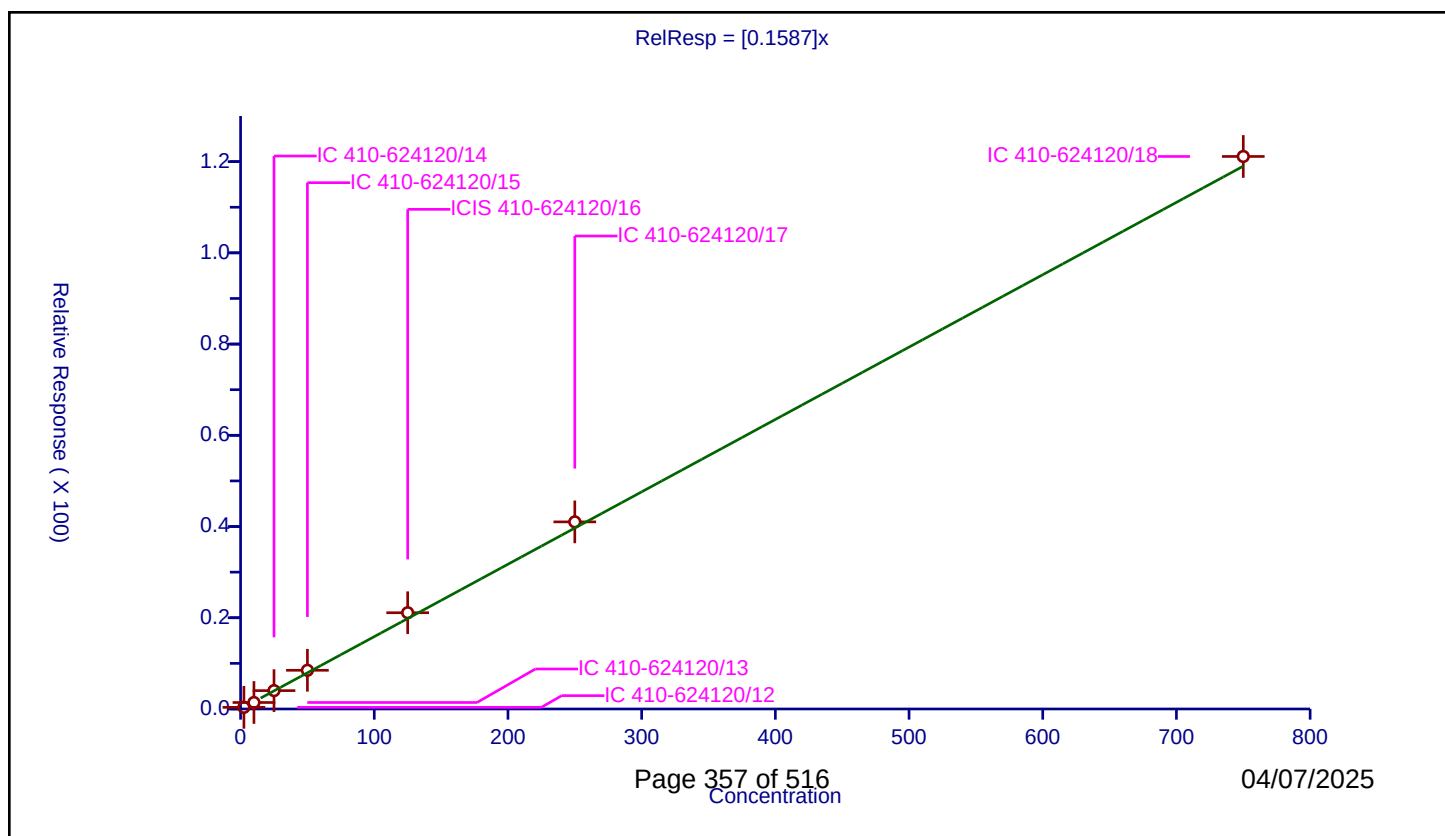
Curve Coefficients

Intercept: 0
Slope: 0.1587

Error Coefficients

Relative Standard Deviation: 7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	2.5	0.3577	50.0	794381.0	0.14308	Y
2	IC 410-624120/13	10.0	1.425688	50.0	822059.0	0.142569	Y
3	IC 410-624120/14	25.0	4.023528	50.0	836977.0	0.160941	Y
4	IC 410-624120/15	50.0	8.485457	50.0	824163.0	0.169709	Y
5	ICIS 410-624120/16	125.0	21.101881	50.0	838693.0	0.168815	Y
6	IC 410-624120/17	250.0	41.022556	50.0	886856.0	0.16409	Y
7	IC 410-624120/18	750.0	121.133941	50.0	915215.0	0.161512	Y



Calibration

/ Chlorobromomethane

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

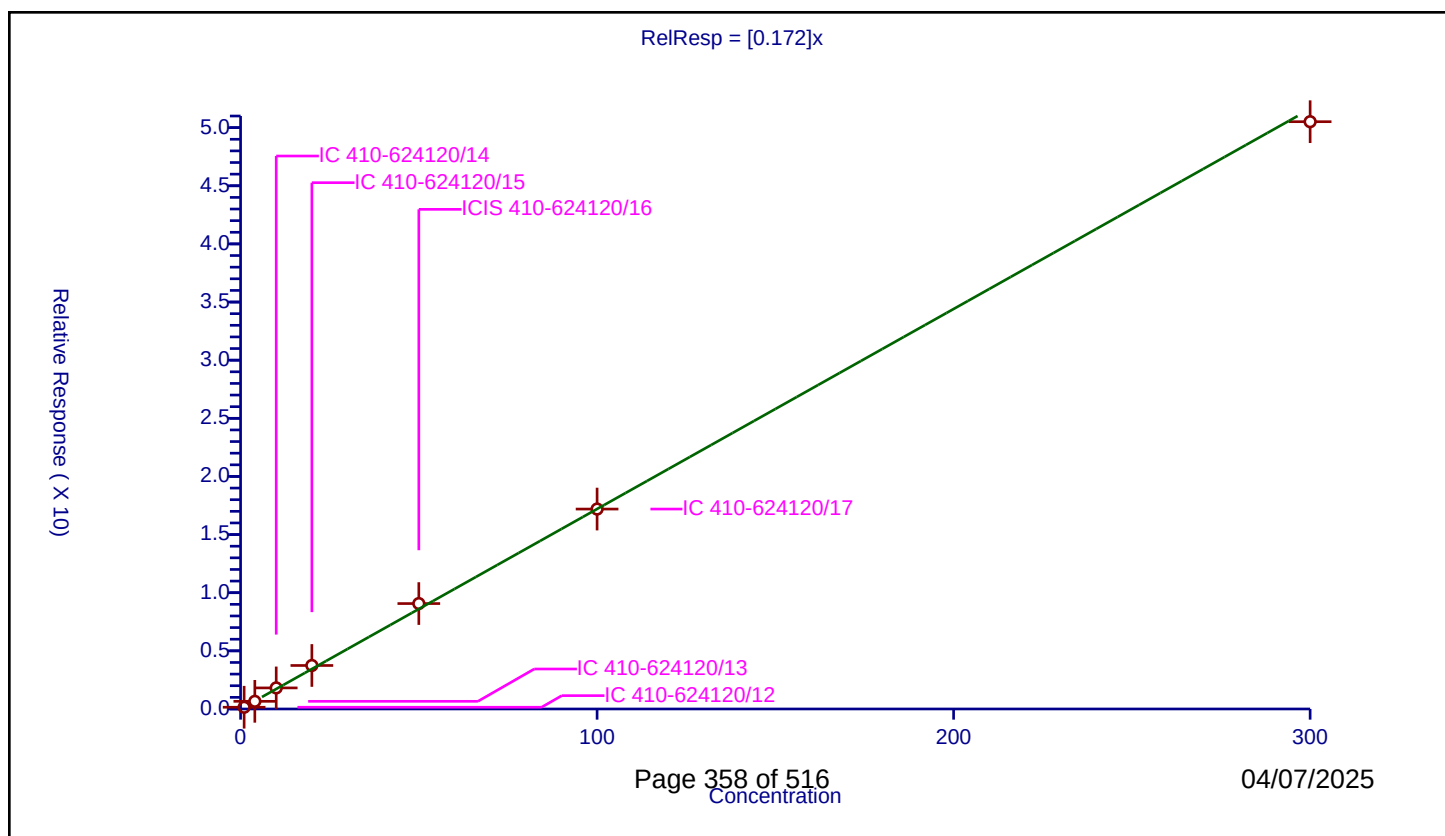
Curve Coefficients

Intercept: 0
Slope: 0.172

Error Coefficients

Relative Standard Deviation: 7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.149173	50.0	794381.0	0.149173	Y
2	IC 410-624120/13	4.0	0.659989	50.0	822059.0	0.164997	Y
3	IC 410-624120/14	10.0	1.812176	50.0	836977.0	0.181218	Y
4	IC 410-624120/15	20.0	3.741918	50.0	824163.0	0.187096	Y
5	ICIS 410-624120/16	50.0	9.066667	50.0	838693.0	0.181333	Y
6	IC 410-624120/17	100.0	17.194674	50.0	886856.0	0.171947	Y
7	IC 410-624120/18	300.0	50.512448	50.0	915215.0	0.168375	Y



Calibration

/ Tetrahydrofuran

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

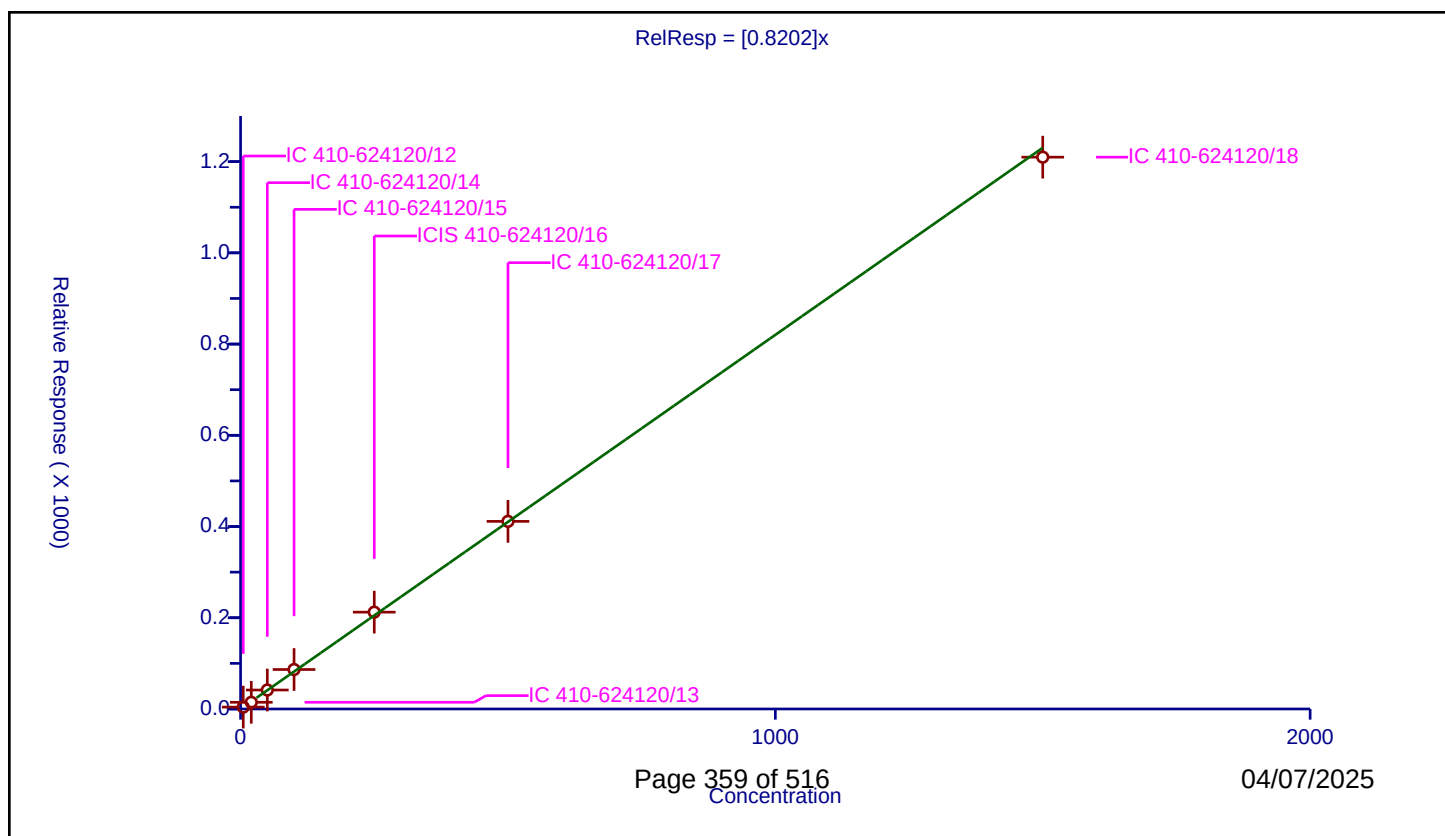
Curve Coefficients

Intercept: 0
Slope: 0.8202

Error Coefficients

Relative Standard Deviation: 5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	5.0	4.148952	250.0	309777.0	0.82979	Y
2	IC 410-624120/13	20.0	14.715737	250.0	329783.0	0.735787	Y
3	IC 410-624120/14	50.0	41.585965	250.0	333015.0	0.831719	Y
4	IC 410-624120/15	100.0	86.579006	250.0	331544.0	0.86579	Y
5	ICIS 410-624120/16	250.0	212.31203	250.0	332301.0	0.849248	Y
6	IC 410-624120/17	500.0	411.287543	250.0	354023.0	0.822575	Y
7	IC 410-624120/18	1500.0	1209.820947	250.0	361569.0	0.806547	Y



Calibration

/ Chloroform

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

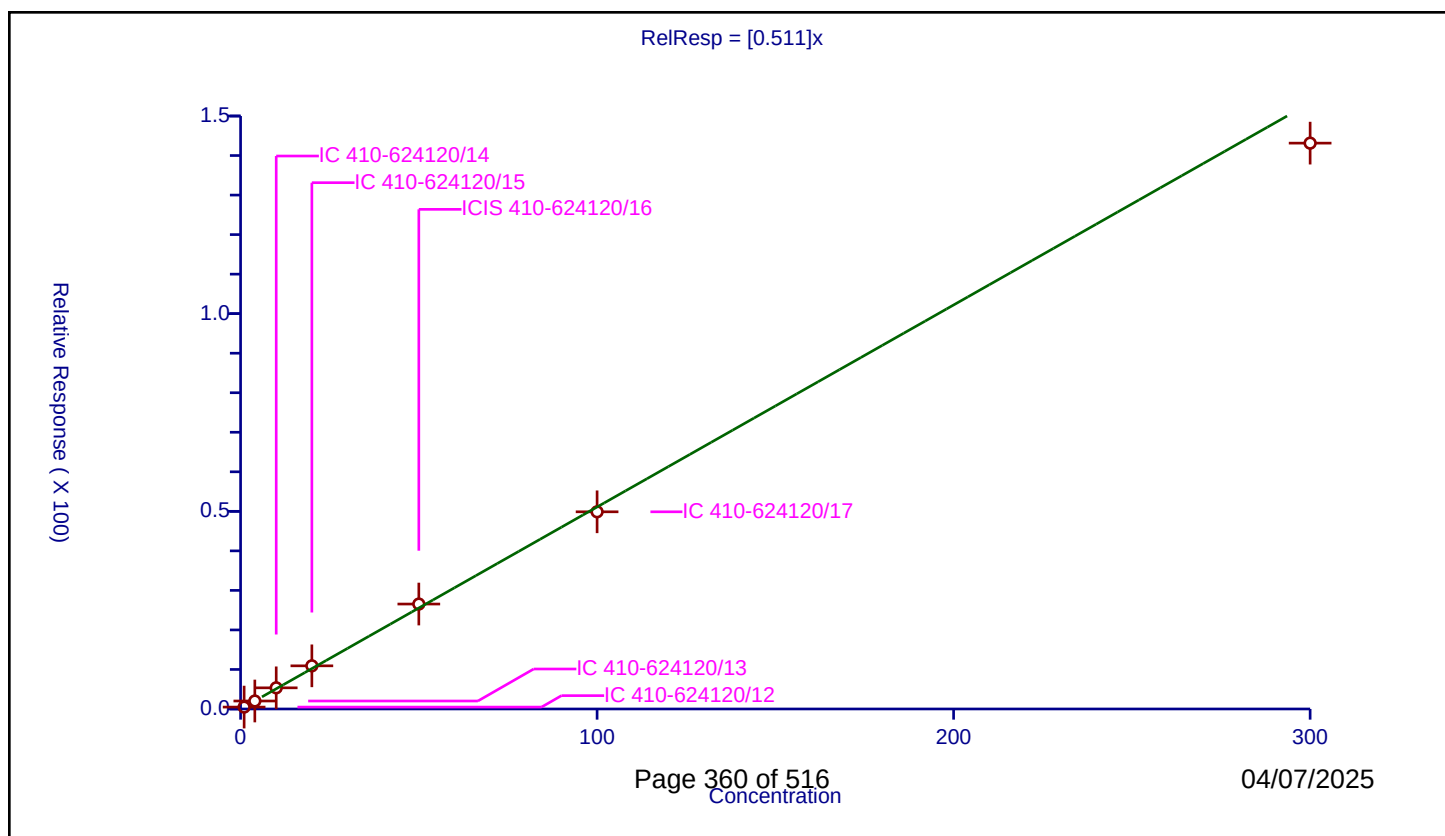
Curve Coefficients

Intercept: 0
Slope: 0.511

Error Coefficients

Relative Standard Deviation: 5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.483332	50.0	794381.0	0.483332	Y
2	IC 410-624120/13	4.0	2.021449	50.0	822059.0	0.505362	Y
3	IC 410-624120/14	10.0	5.355285	50.0	836977.0	0.535528	Y
4	IC 410-624120/15	20.0	10.918835	50.0	824163.0	0.545942	Y
5	ICIS 410-624120/16	50.0	26.54553	50.0	838693.0	0.530911	Y
6	IC 410-624120/17	100.0	49.88183	50.0	886856.0	0.498818	Y
7	IC 410-624120/18	300.0	143.138334	50.0	915215.0	0.477128	Y



Calibration

/ Dibromofluoromethane (Surr)

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

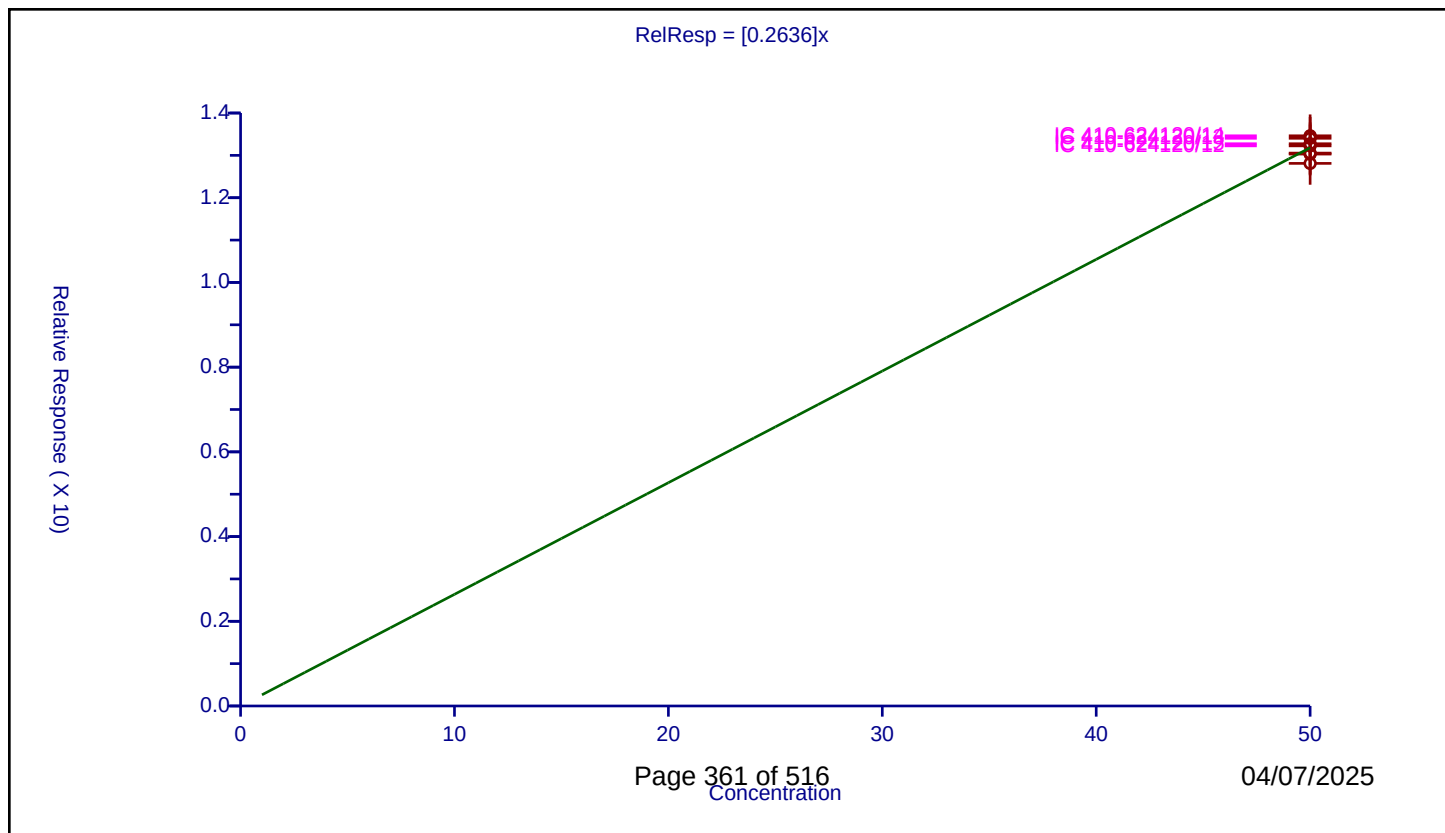
Curve Coefficients

Intercept: 0
 Slope: 0.2636

Error Coefficients

Relative Standard Deviation: 1.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	50.0	13.224196	50.0	794381.0	0.264484	Y
2	IC 410-624120/13	50.0	13.403174	50.0	822059.0	0.268063	Y
3	IC 410-624120/14	50.0	13.462437	50.0	836977.0	0.269249	Y
4	IC 410-624120/15	50.0	13.274801	50.0	824163.0	0.265496	Y
5	ICIS 410-624120/16	50.0	13.053883	50.0	838693.0	0.261078	Y
6	IC 410-624120/17	50.0	13.030131	50.0	886856.0	0.260603	Y
7	IC 410-624120/18	50.0	12.81087	50.0	915215.0	0.256217	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

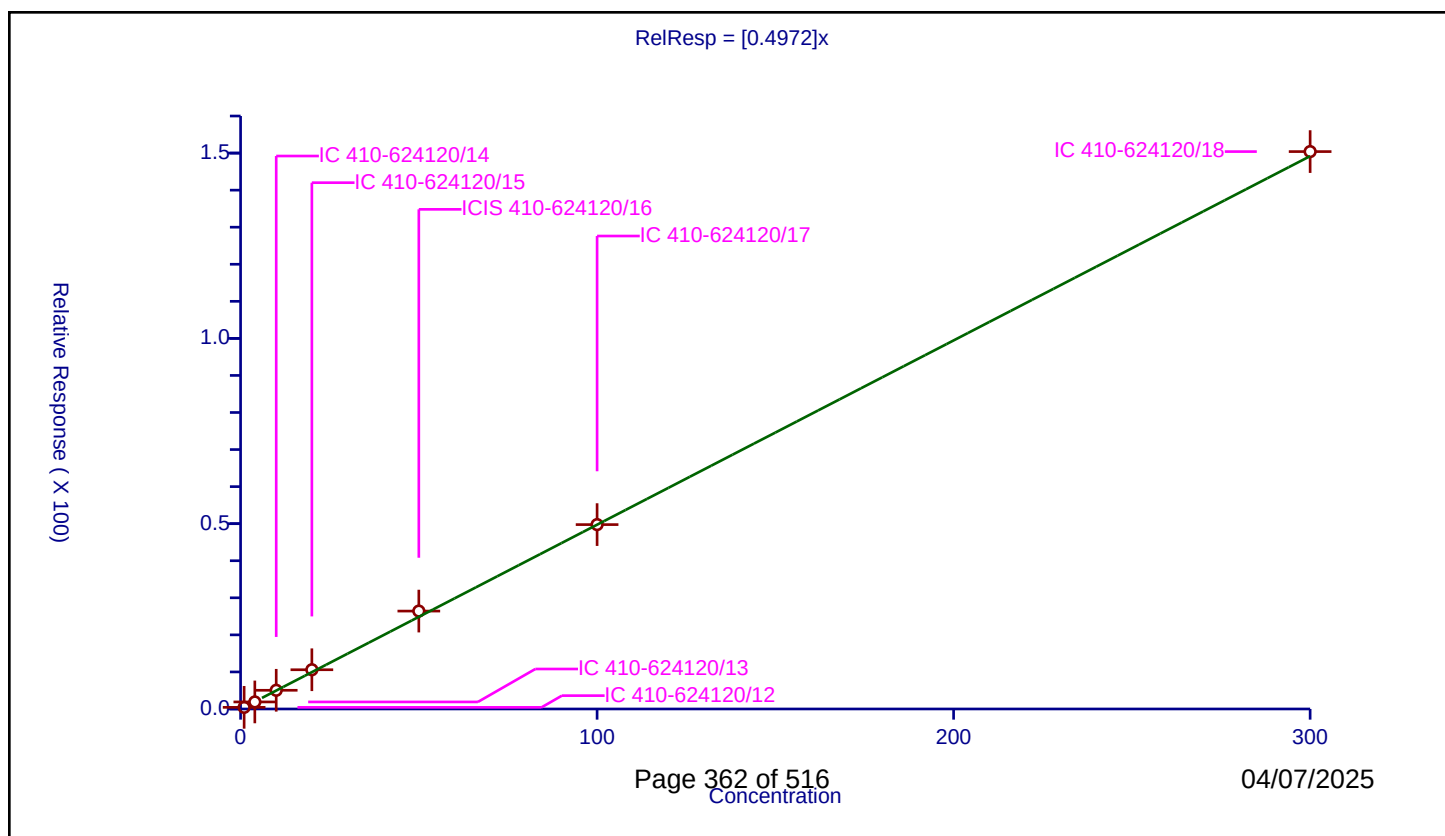
Curve Coefficients

Intercept: 0
Slope: 0.4972

Error Coefficients

Relative Standard Deviation: 6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.444056	50.0	794381.0	0.444056	Y
2	IC 410-624120/13	4.0	1.901141	50.0	822059.0	0.475285	Y
3	IC 410-624120/14	10.0	5.04536	50.0	836977.0	0.504536	Y
4	IC 410-624120/15	20.0	10.591473	50.0	824163.0	0.529574	Y
5	ICIS 410-624120/16	50.0	26.417652	50.0	838693.0	0.528353	Y
6	IC 410-624120/17	100.0	49.752609	50.0	886856.0	0.497526	Y
7	IC 410-624120/18	300.0	150.400726	50.0	915215.0	0.501336	Y



Calibration

/ Cyclohexane

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

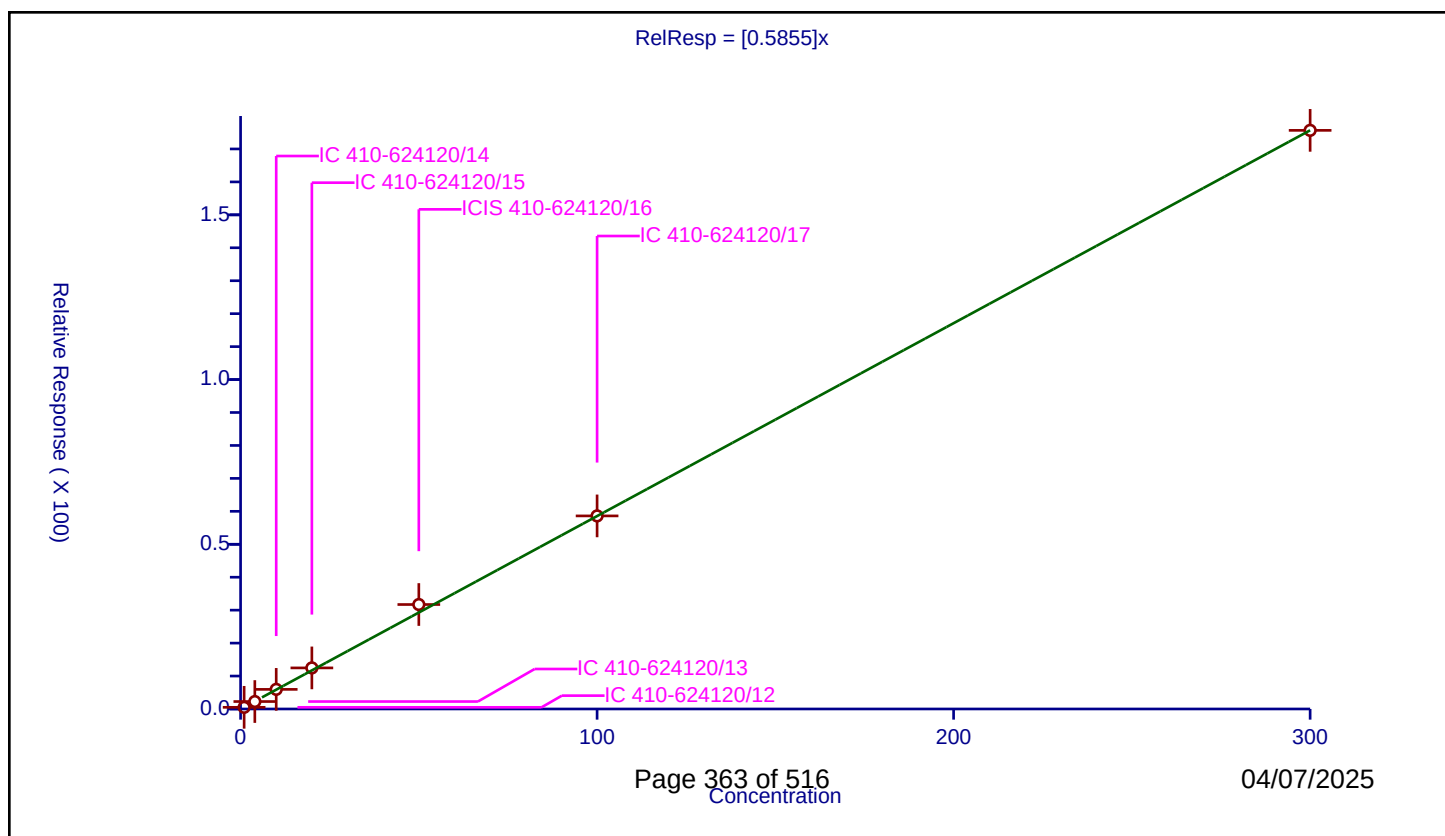
Curve Coefficients

Intercept: 0
Slope: 0.5855

Error Coefficients

Relative Standard Deviation: 7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.508446	50.0	794381.0	0.508446	Y
2	IC 410-624120/13	4.0	2.261212	50.0	822059.0	0.565303	Y
3	IC 410-624120/14	10.0	5.955839	50.0	836977.0	0.595584	Y
4	IC 410-624120/15	20.0	12.473382	50.0	824163.0	0.623669	Y
5	ICIS 410-624120/16	50.0	31.710411	50.0	838693.0	0.634208	Y
6	IC 410-624120/17	100.0	58.613518	50.0	886856.0	0.586135	Y
7	IC 410-624120/18	300.0	175.645996	50.0	915215.0	0.585487	Y



Calibration

/ Carbon tetrachloride

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

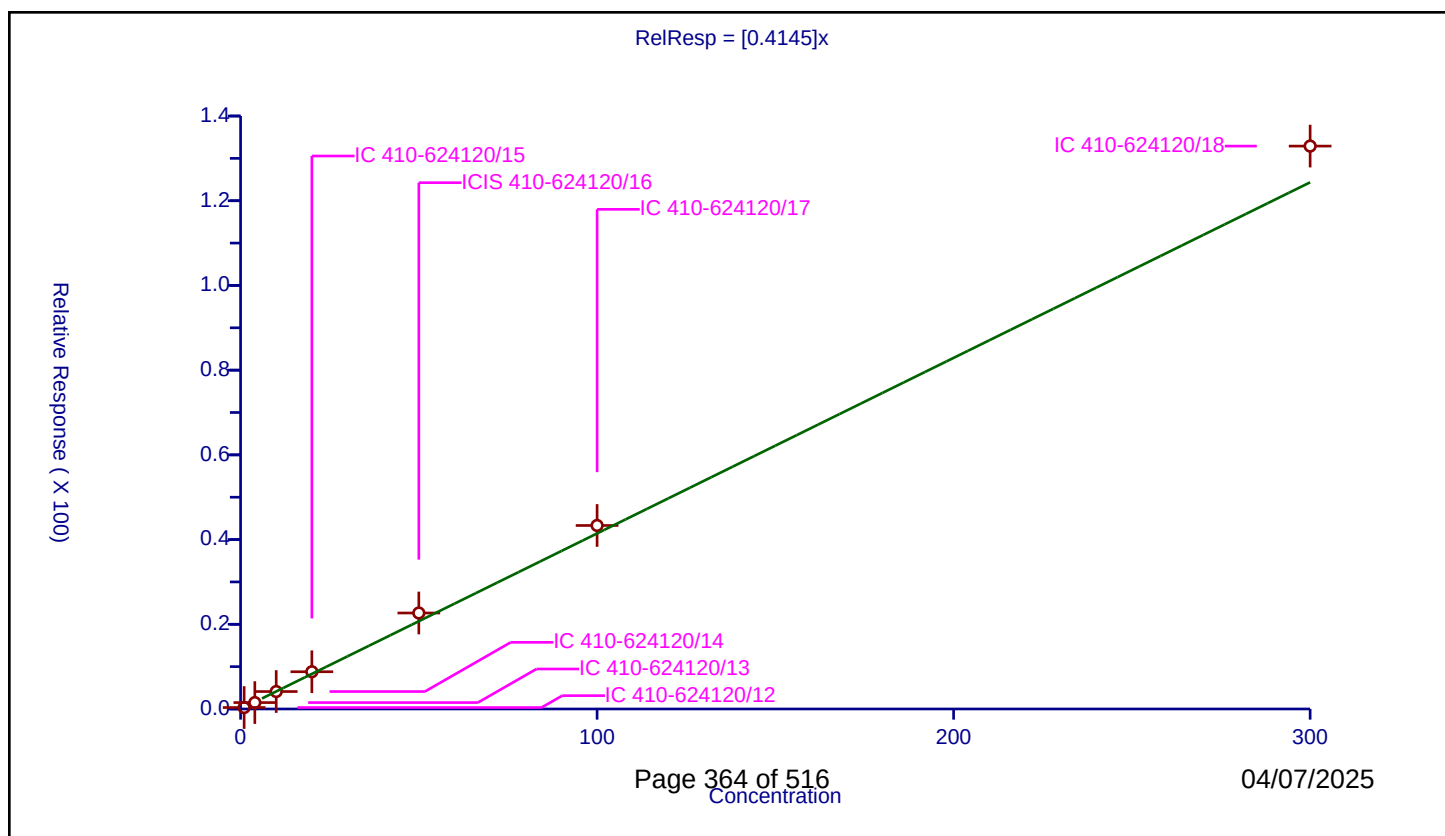
Curve Coefficients

Intercept: 0
 Slope: 0.4145

Error Coefficients

Relative Standard Deviation: 9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.342027	50.0	794381.0	0.342027	Y
2	IC 410-624120/13	4.0	1.513699	50.0	822059.0	0.378425	Y
3	IC 410-624120/14	10.0	4.118512	50.0	836977.0	0.411851	Y
4	IC 410-624120/15	20.0	8.789463	50.0	824163.0	0.439473	Y
5	ICIS 410-624120/16	50.0	22.662524	50.0	838693.0	0.45325	Y
6	IC 410-624120/17	100.0	43.326989	50.0	886856.0	0.43327	Y
7	IC 410-624120/18	300.0	132.898882	50.0	915215.0	0.442996	Y



Calibration

/ 1,1-Dichloropropene

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

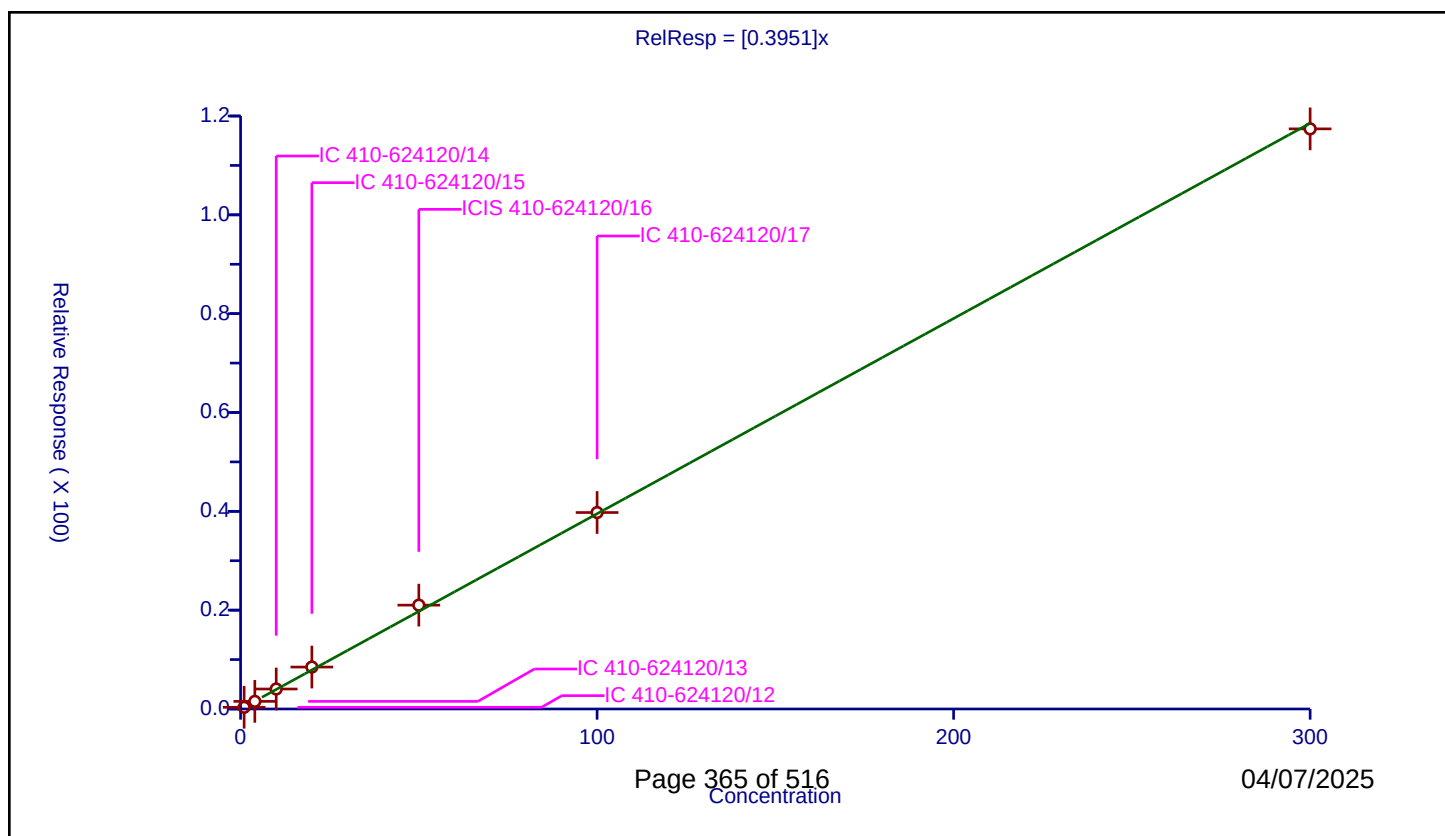
Curve Coefficients

Intercept: 0
Slope: 0.3951

Error Coefficients

Relative Standard Deviation: 6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.342279	50.0	794381.0	0.342279	Y
2	IC 410-624120/13	4.0	1.541617	50.0	822059.0	0.385404	Y
3	IC 410-624120/14	10.0	4.047124	50.0	836977.0	0.404712	Y
4	IC 410-624120/15	20.0	8.484123	50.0	824163.0	0.424206	Y
5	ICIS 410-624120/16	50.0	21.014662	50.0	838693.0	0.420293	Y
6	IC 410-624120/17	100.0	39.759442	50.0	886856.0	0.397594	Y
7	IC 410-624120/18	300.0	117.396459	50.0	915215.0	0.391322	Y



Calibration

/ Isobutyl alcohol

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

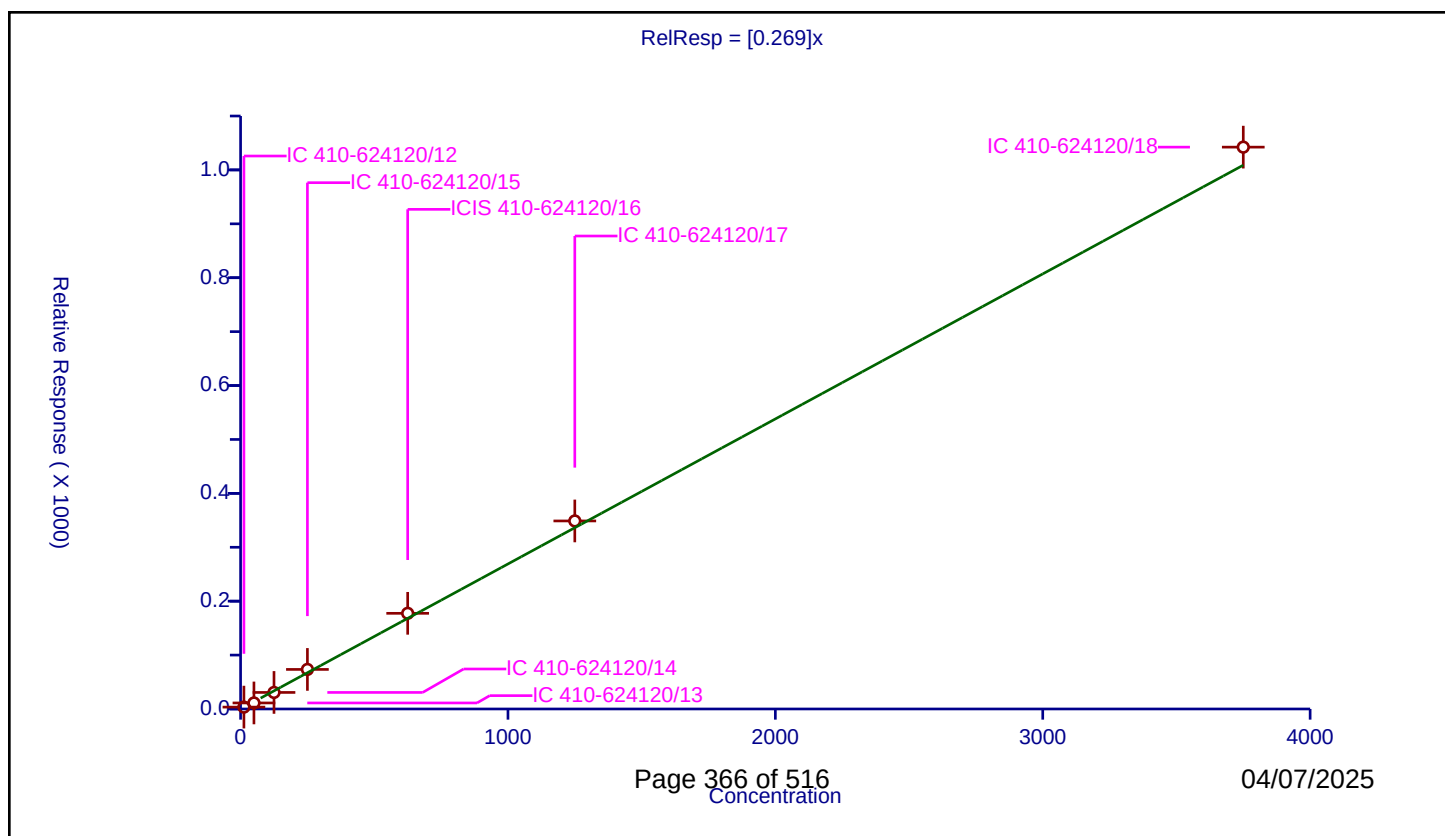
Curve Coefficients

Intercept: 0
Slope: 0.269

Error Coefficients

Relative Standard Deviation: 9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	12.5	3.492835	250.0	309777.0	0.279427	Y
2	IC 410-624120/13	50.0	11.198273	250.0	329783.0	0.223965	Y
3	IC 410-624120/14	125.0	30.677297	250.0	333015.0	0.245418	Y
4	IC 410-624120/15	250.0	73.362058	250.0	331544.0	0.293448	Y
5	ICIS 410-624120/16	625.0	177.445298	250.0	332301.0	0.283912	Y
6	IC 410-624120/17	1250.0	348.848097	250.0	354023.0	0.279078	Y
7	IC 410-624120/18	3750.0	1042.249889	250.0	361569.0	0.277933	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

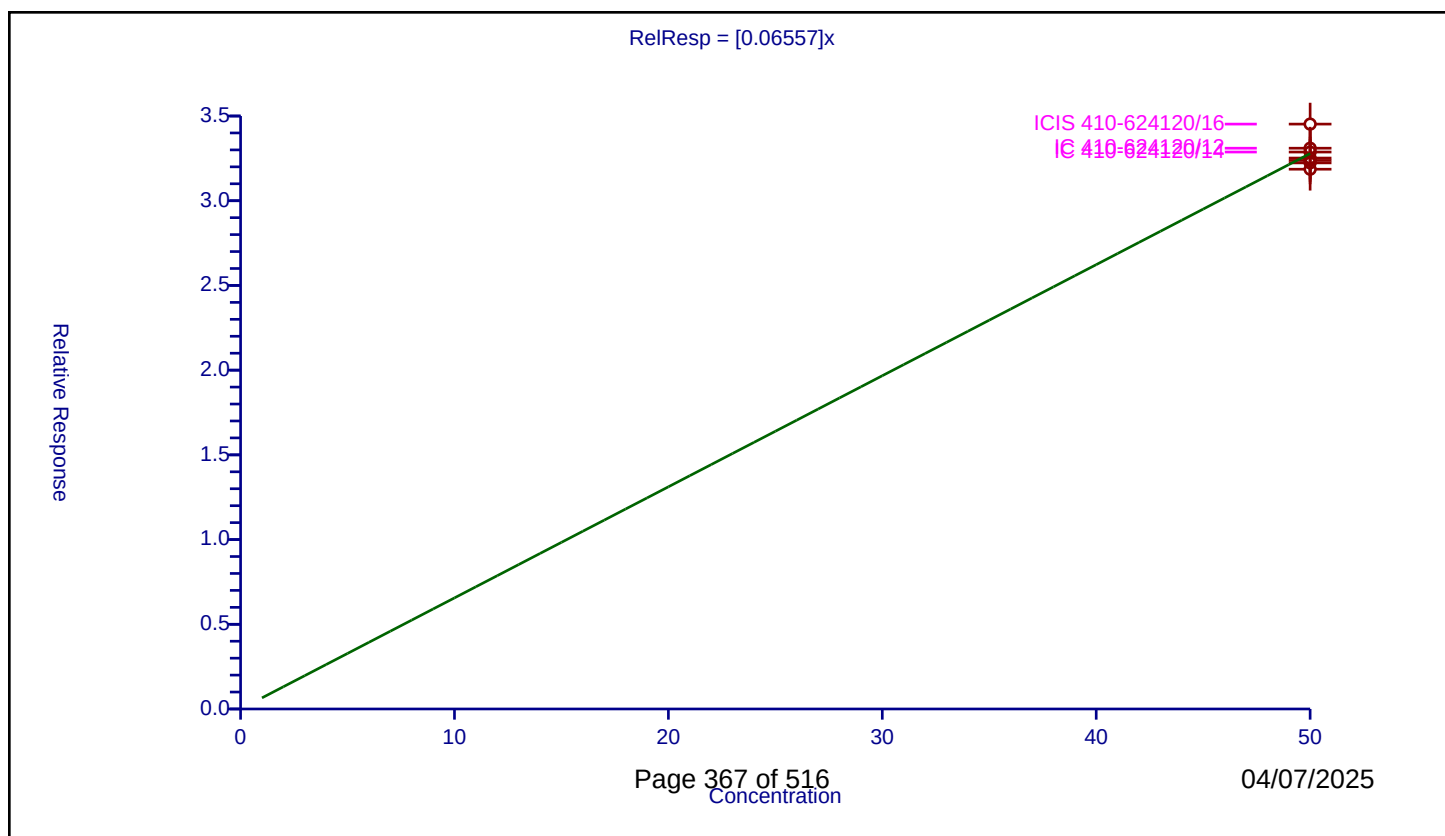
Curve Coefficients

Intercept: 0
 Slope: 0.06557

Error Coefficients

Relative Standard Deviation: 2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	50.0	3.309999	50.0	794381.0	0.0662	Y
2	IC 410-624120/13	50.0	3.223309	50.0	822059.0	0.064466	Y
3	IC 410-624120/14	50.0	3.287366	50.0	836977.0	0.065747	Y
4	IC 410-624120/15	50.0	3.251966	50.0	824163.0	0.065039	Y
5	ICIS 410-624120/16	50.0	3.452336	50.0	838693.0	0.069047	Y
6	IC 410-624120/17	50.0	3.237786	50.0	886856.0	0.064756	Y
7	IC 410-624120/18	50.0	3.186027	50.0	915215.0	0.063721	Y



Calibration

/ Benzene

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

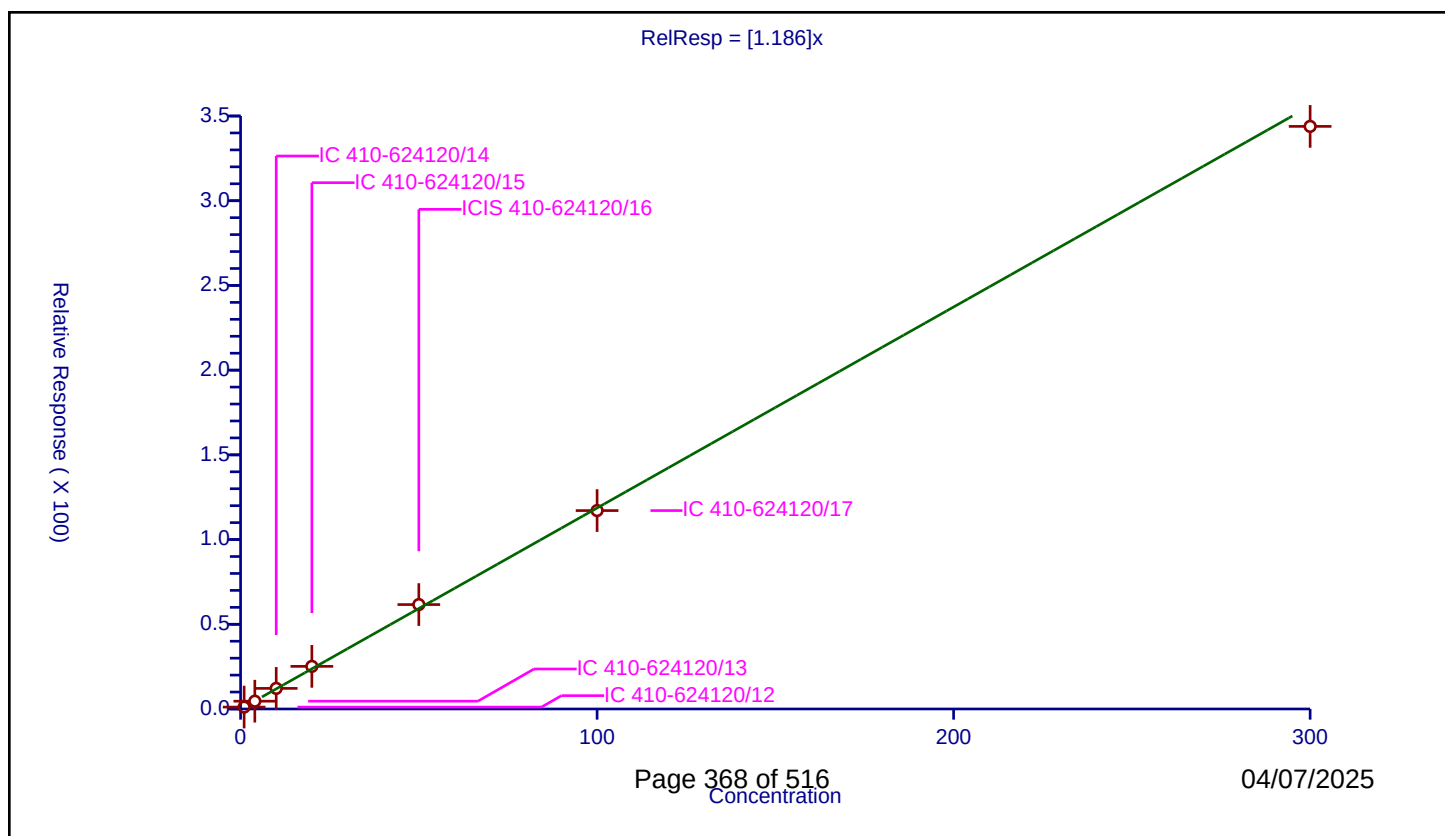
Curve Coefficients

Intercept: 0
Slope: 1.186

Error Coefficients

Relative Standard Deviation: 4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	1.128929	50.0	794381.0	1.128929	Y
2	IC 410-624120/13	4.0	4.605083	50.0	822059.0	1.151271	Y
3	IC 410-624120/14	10.0	12.165985	50.0	836977.0	1.216599	Y
4	IC 410-624120/15	20.0	25.158312	50.0	824163.0	1.257916	Y
5	ICIS 410-624120/16	50.0	61.624993	50.0	838693.0	1.2325	Y
6	IC 410-624120/17	100.0	117.116984	50.0	886856.0	1.17117	Y
7	IC 410-624120/18	300.0	343.876302	50.0	915215.0	1.146254	Y



Calibration

/ 1,2-Dichloroethane

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

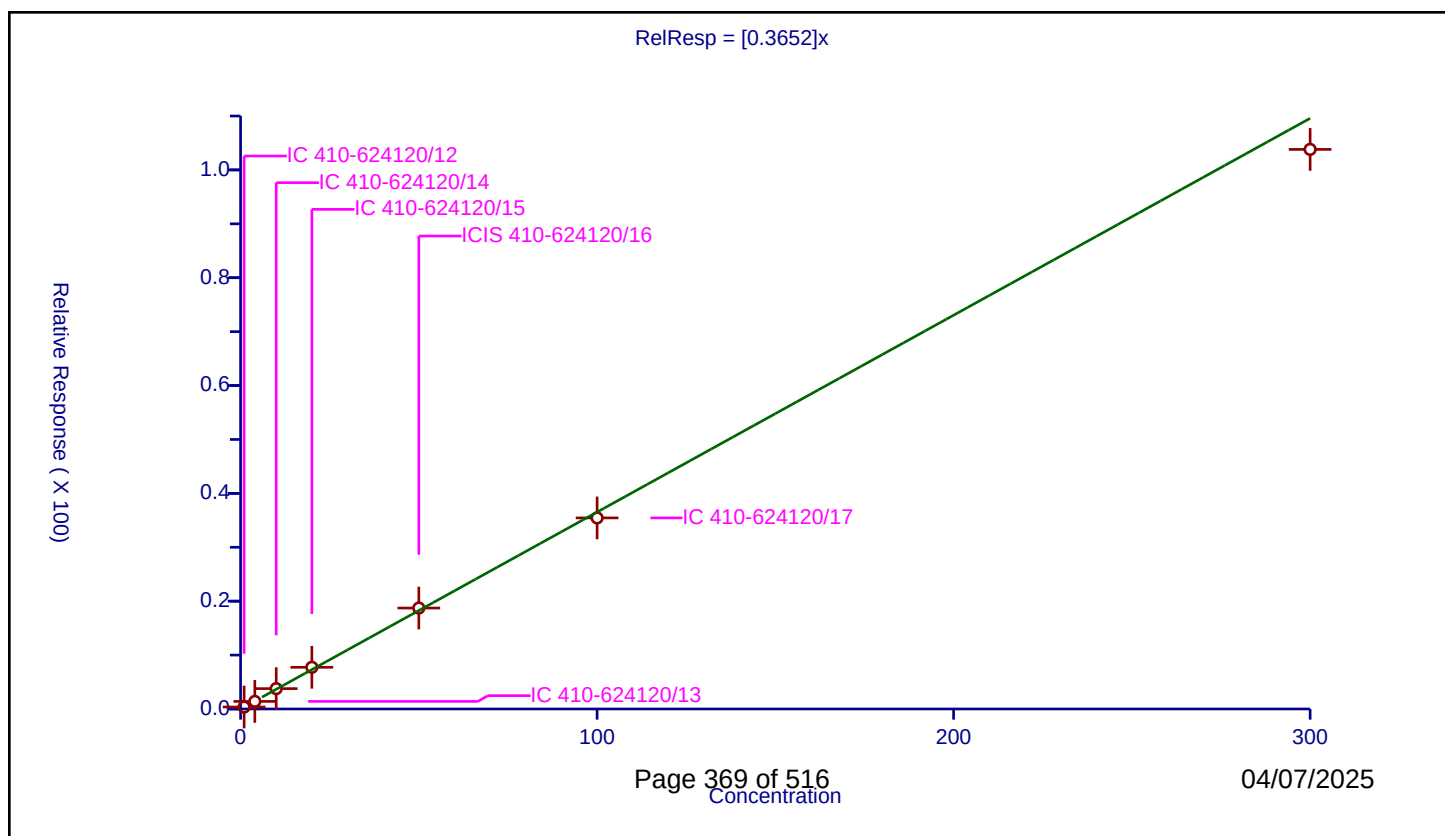
Curve Coefficients

Intercept: 0
Slope: 0.3652

Error Coefficients

Relative Standard Deviation: 4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.365253	50.0	794381.0	0.365253	Y
2	IC 410-624120/13	4.0	1.408476	50.0	822059.0	0.352119	Y
3	IC 410-624120/14	10.0	3.776448	50.0	836977.0	0.377645	Y
4	IC 410-624120/15	20.0	7.734271	50.0	824163.0	0.386714	Y
5	ICIS 410-624120/16	50.0	18.725565	50.0	838693.0	0.374511	Y
6	IC 410-624120/17	100.0	35.444988	50.0	886856.0	0.35445	Y
7	IC 410-624120/18	300.0	103.805772	50.0	915215.0	0.346019	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

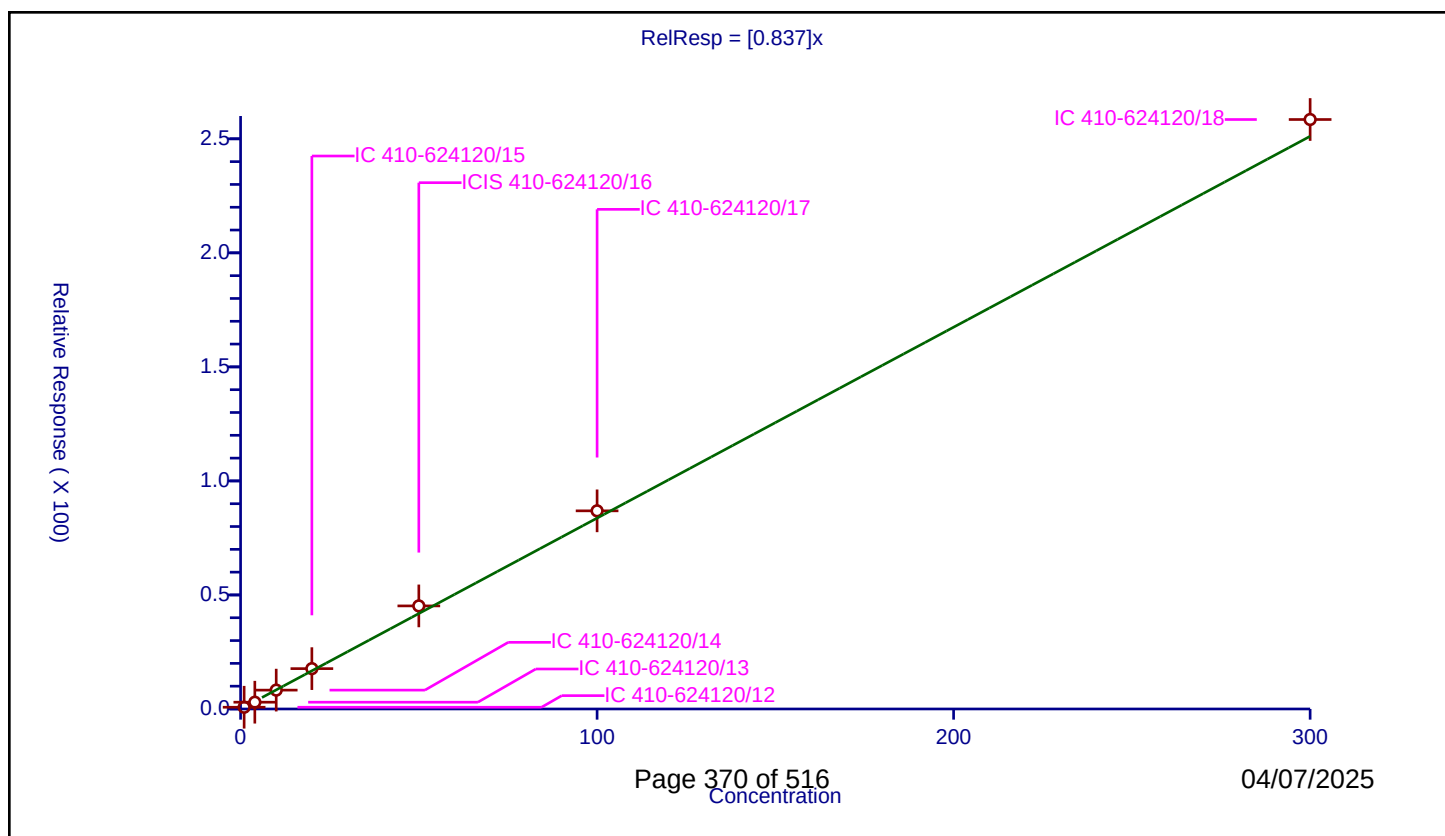
Curve Coefficients

Intercept: 0
Slope: 0.837

Error Coefficients

Relative Standard Deviation: 7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.768334	50.0	794381.0	0.768334	Y
2	IC 410-624120/13	4.0	2.977706	50.0	822059.0	0.744426	Y
3	IC 410-624120/14	10.0	8.277049	50.0	836977.0	0.827705	Y
4	IC 410-624120/15	20.0	17.691707	50.0	824163.0	0.884585	Y
5	ICIS 410-624120/16	50.0	45.191804	50.0	838693.0	0.903836	Y
6	IC 410-624120/17	100.0	86.876731	50.0	886856.0	0.868767	Y
7	IC 410-624120/18	300.0	258.471343	50.0	915215.0	0.861571	Y



Calibration

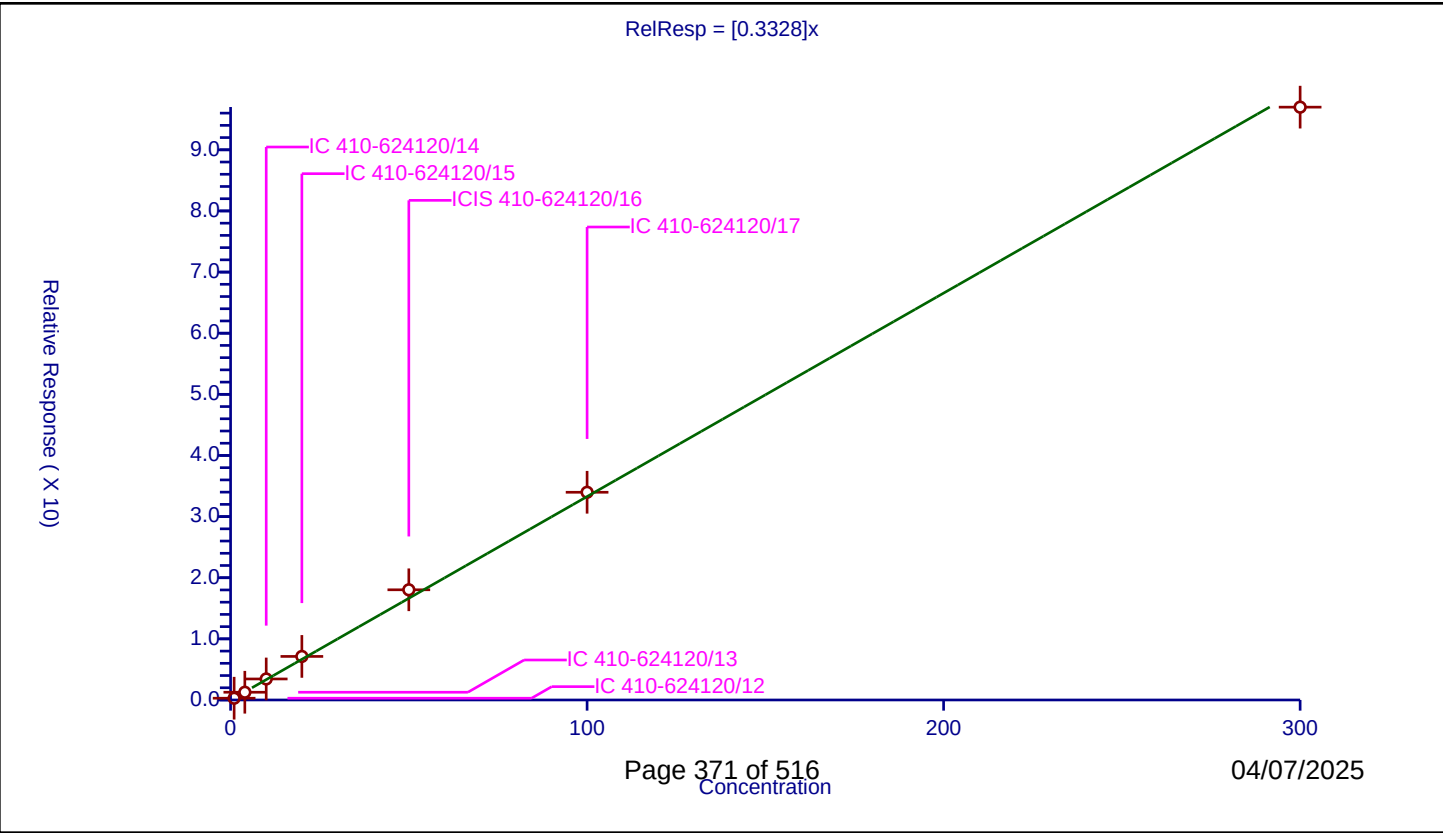
/ n-Heptane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3328
Error Coefficients	

Relative Standard Deviation: 7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.288715	50.0	794381.0	0.288715	Y
2	IC 410-624120/13	4.0	1.267671	50.0	822059.0	0.316918	Y
3	IC 410-624120/14	10.0	3.440776	50.0	836977.0	0.344078	Y
4	IC 410-624120/15	20.0	7.12529	50.0	824163.0	0.356264	Y
5	ICIS 410-624120/16	50.0	18.02507	50.0	838693.0	0.360501	Y
6	IC 410-624120/17	100.0	33.978177	50.0	886856.0	0.339782	Y
7	IC 410-624120/18	300.0	96.977541	50.0	915215.0	0.323258	Y



Calibration

/ n-Butanol

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

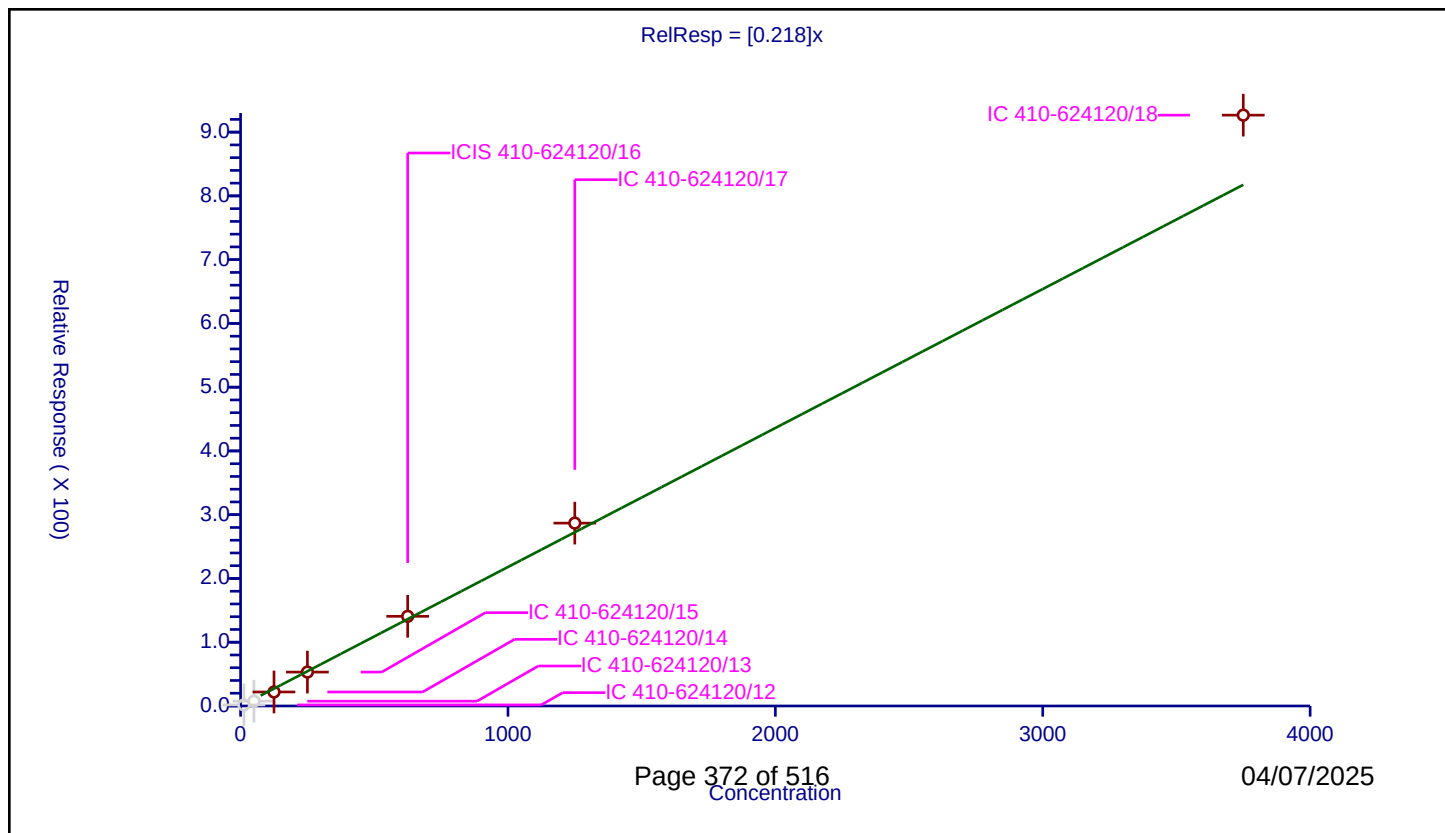
Curve Coefficients

Intercept: 0
Slope: 0.218

Error Coefficients

Relative Standard Deviation: 12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	12.5	1.683469	250.0	309777.0	0.134678	N
2	IC 410-624120/13	50.0	7.55421	250.0	329783.0	0.151084	N
3	IC 410-624120/14	125.0	21.959221	250.0	333015.0	0.175674	Y
4	IC 410-624120/15	250.0	53.163381	250.0	331544.0	0.212654	Y
5	ICIS 410-624120/16	625.0	140.64583	250.0	332301.0	0.225033	Y
6	IC 410-624120/17	1250.0	286.802694	250.0	354023.0	0.229442	Y
7	IC 410-624120/18	3750.0	926.634335	250.0	361569.0	0.247102	Y



Calibration

/ Trichloroethene

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

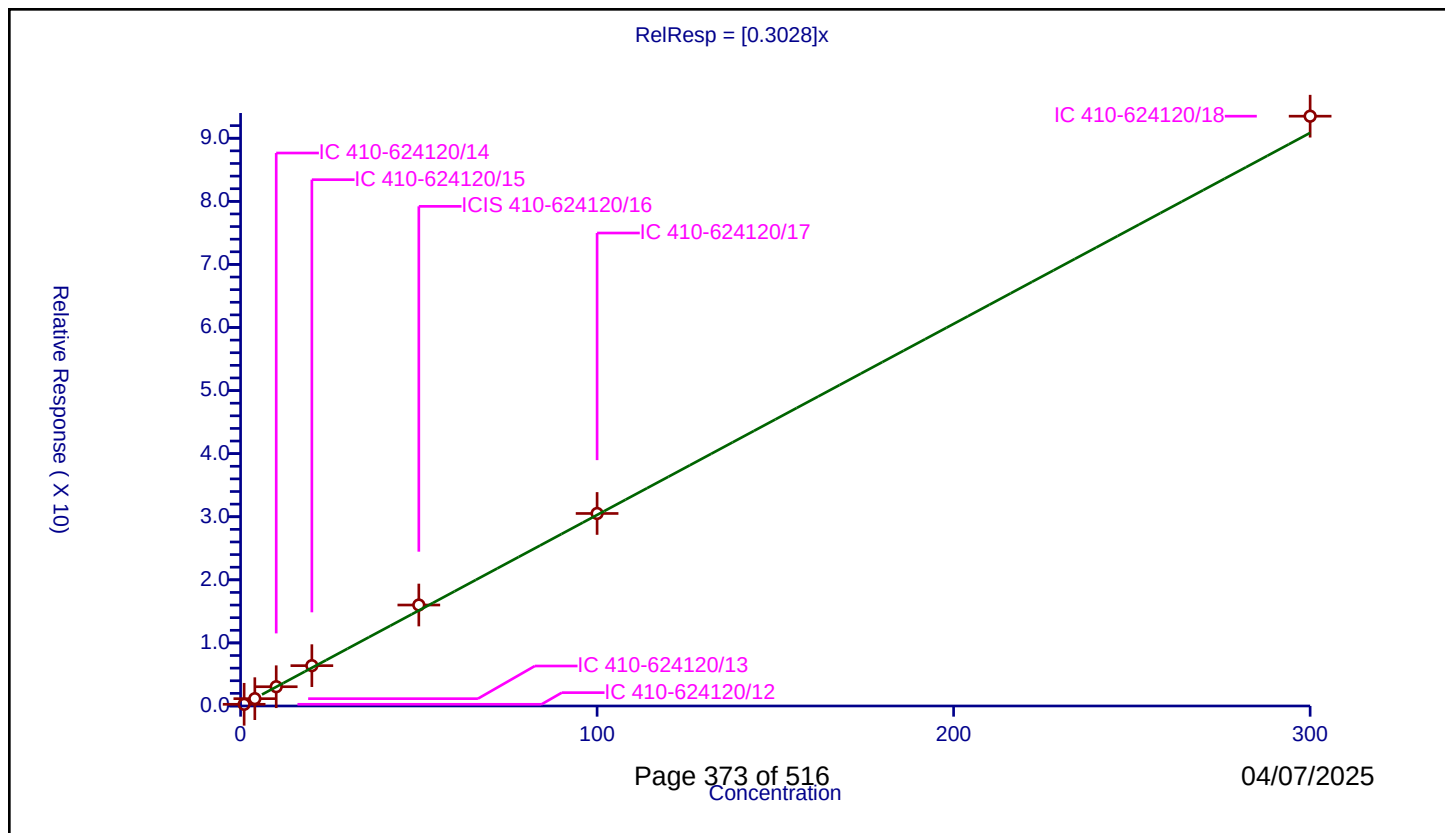
Curve Coefficients

Intercept: 0
Slope: 0.3028

Error Coefficients

Relative Standard Deviation: 6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.267504	50.0	794381.0	0.267504	Y
2	IC 410-624120/13	4.0	1.161595	50.0	822059.0	0.290399	Y
3	IC 410-624120/14	10.0	3.053429	50.0	836977.0	0.305343	Y
4	IC 410-624120/15	20.0	6.394487	50.0	824163.0	0.319724	Y
5	ICIS 410-624120/16	50.0	16.007407	50.0	838693.0	0.320148	Y
6	IC 410-624120/17	100.0	30.517243	50.0	886856.0	0.305172	Y
7	IC 410-624120/18	300.0	93.496337	50.0	915215.0	0.311654	Y



Calibration

/ Ethyl acrylate

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

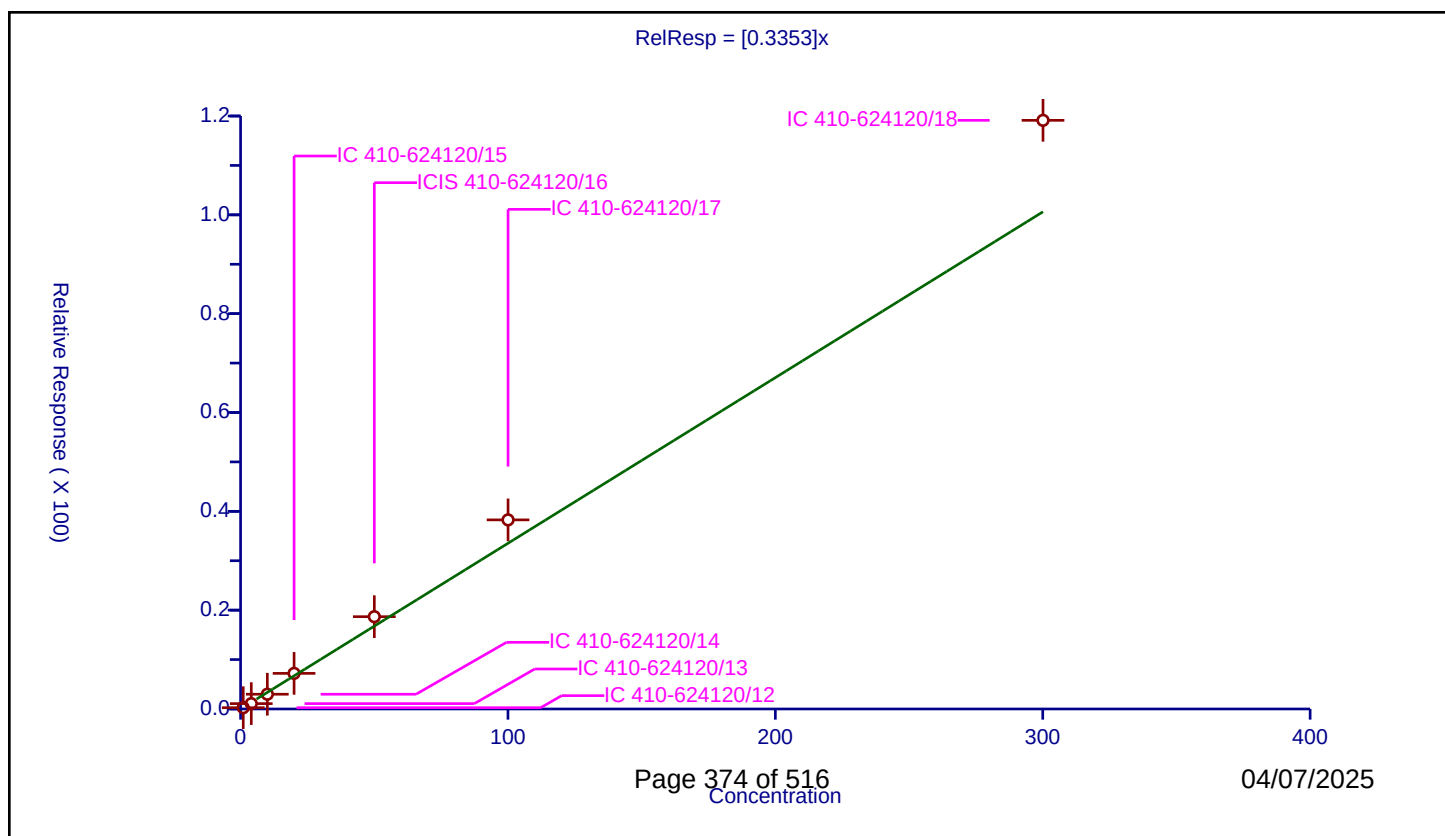
Curve Coefficients

Intercept: 0
Slope: 0.3353

Error Coefficients

Relative Standard Deviation: 16.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.000354	0.264042	50.0	794381.0	0.263949	Y
2	IC 410-624120/13	4.001415	1.086053	50.0	822059.0	0.271417	Y
3	IC 410-624120/14	10.003538	2.985028	50.0	836977.0	0.298397	Y
4	IC 410-624120/15	20.007076	7.207797	50.0	824163.0	0.360262	Y
5	ICIS 410-624120/16	50.01769	18.679243	50.0	838693.0	0.373453	Y
6	IC 410-624120/17	100.03538	38.266923	50.0	886856.0	0.382534	Y
7	IC 410-624120/18	300.10614	119.127527	50.0	915215.0	0.396951	Y



Calibration

/ Methylcyclohexane

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

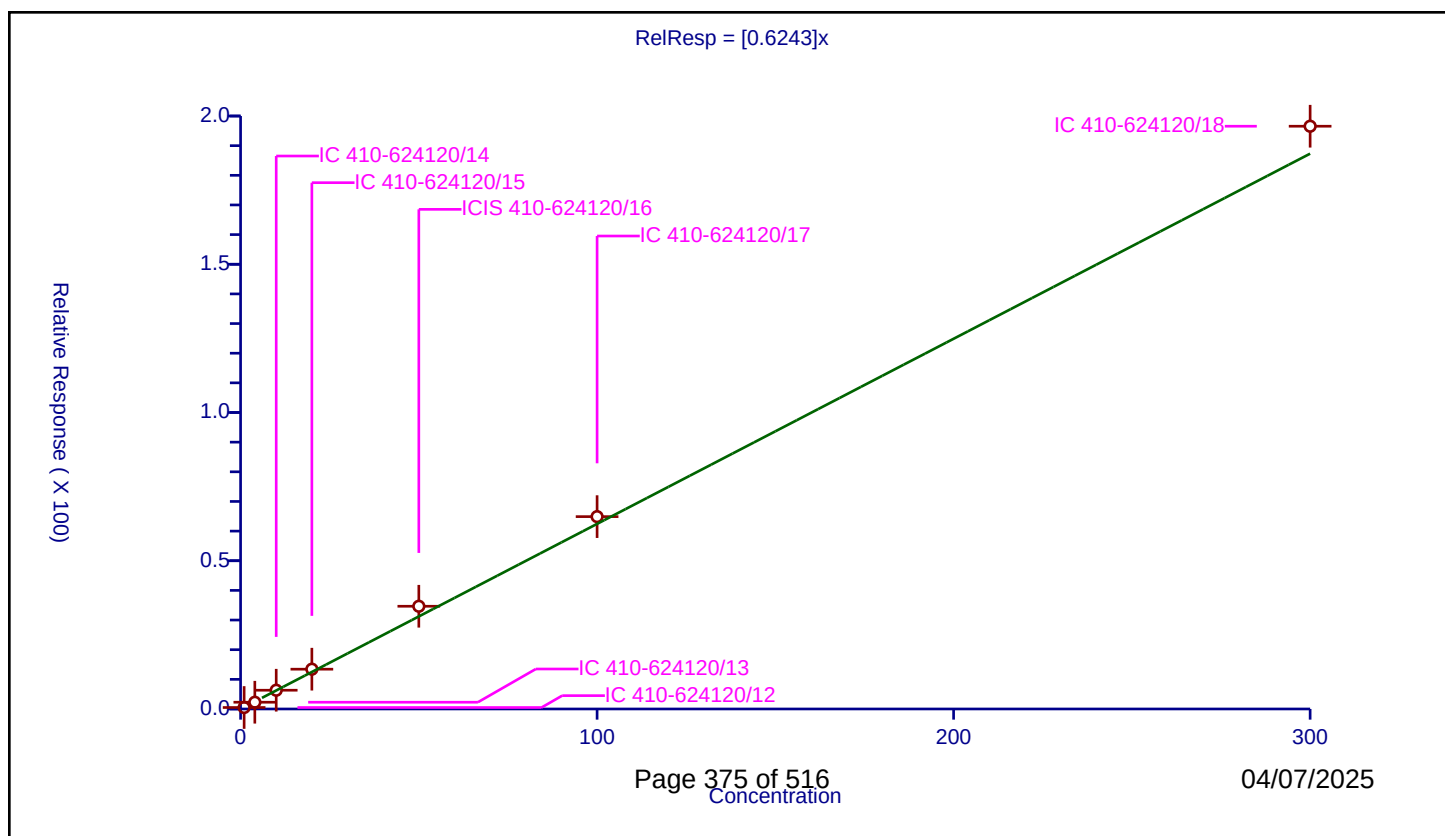
Curve Coefficients

Intercept: 0
Slope: 0.6243

Error Coefficients

Relative Standard Deviation: 10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.500138	50.0	794381.0	0.500138	Y
2	IC 410-624120/13	4.0	2.277209	50.0	822059.0	0.569302	Y
3	IC 410-624120/14	10.0	6.32604	50.0	836977.0	0.632604	Y
4	IC 410-624120/15	20.0	13.427805	50.0	824163.0	0.67139	Y
5	ICIS 410-624120/16	50.0	34.648197	50.0	838693.0	0.692964	Y
6	IC 410-624120/17	100.0	64.883363	50.0	886856.0	0.648834	Y
7	IC 410-624120/18	300.0	196.555727	50.0	915215.0	0.655186	Y



Calibration

/ 1,2-Dichloropropane

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

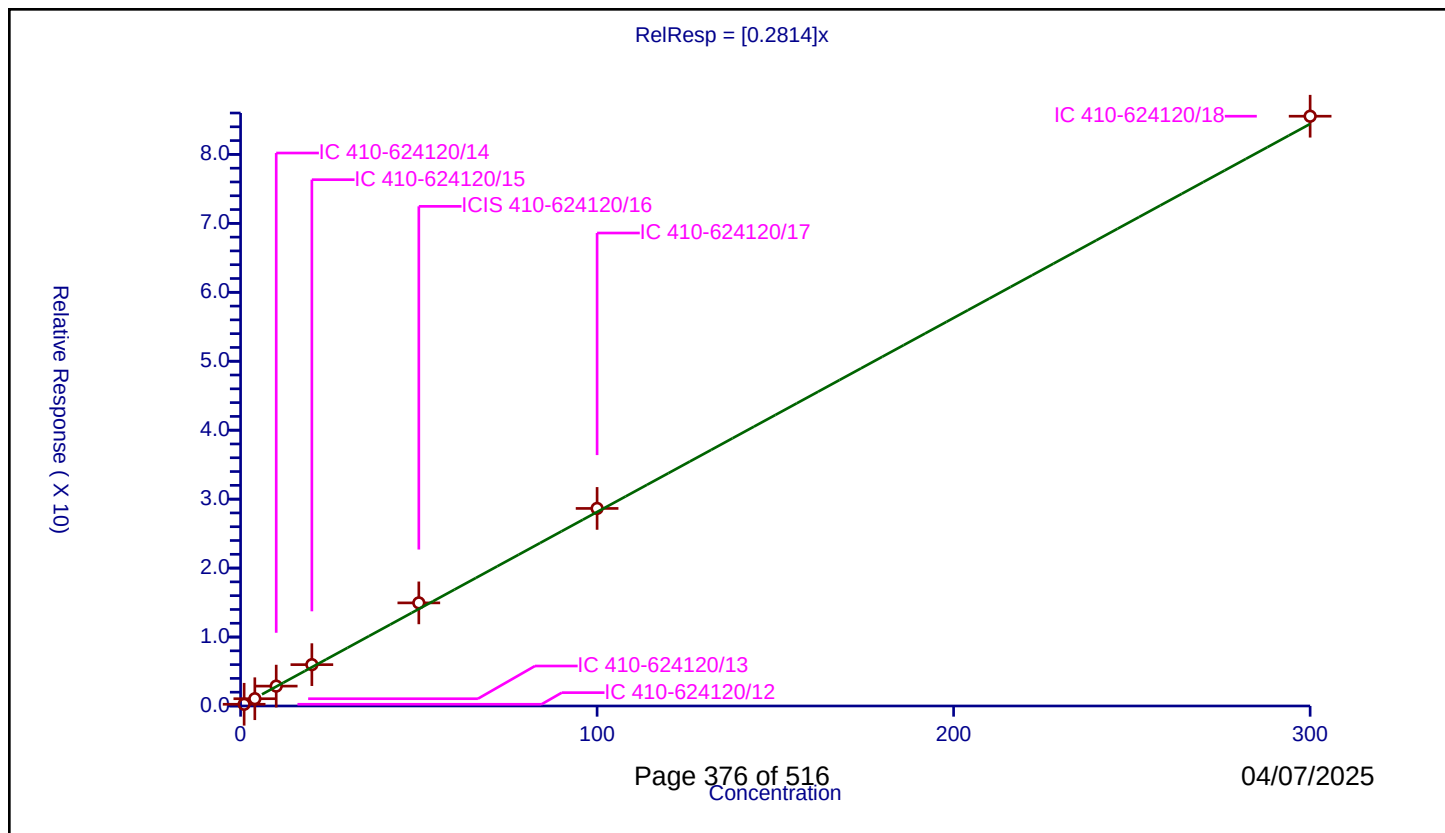
Curve Coefficients

Intercept: 0
Slope: 0.2814

Error Coefficients

Relative Standard Deviation: 6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.247929	50.0	794381.0	0.247929	Y
2	IC 410-624120/13	4.0	1.052297	50.0	822059.0	0.263074	Y
3	IC 410-624120/14	10.0	2.882098	50.0	836977.0	0.28821	Y
4	IC 410-624120/15	20.0	5.99578	50.0	824163.0	0.299789	Y
5	ICIS 410-624120/16	50.0	14.952611	50.0	838693.0	0.299052	Y
6	IC 410-624120/17	100.0	28.653242	50.0	886856.0	0.286532	Y
7	IC 410-624120/18	300.0	85.535475	50.0	915215.0	0.285118	Y



Calibration

/ 2-ethoxy-2-methyl butane

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

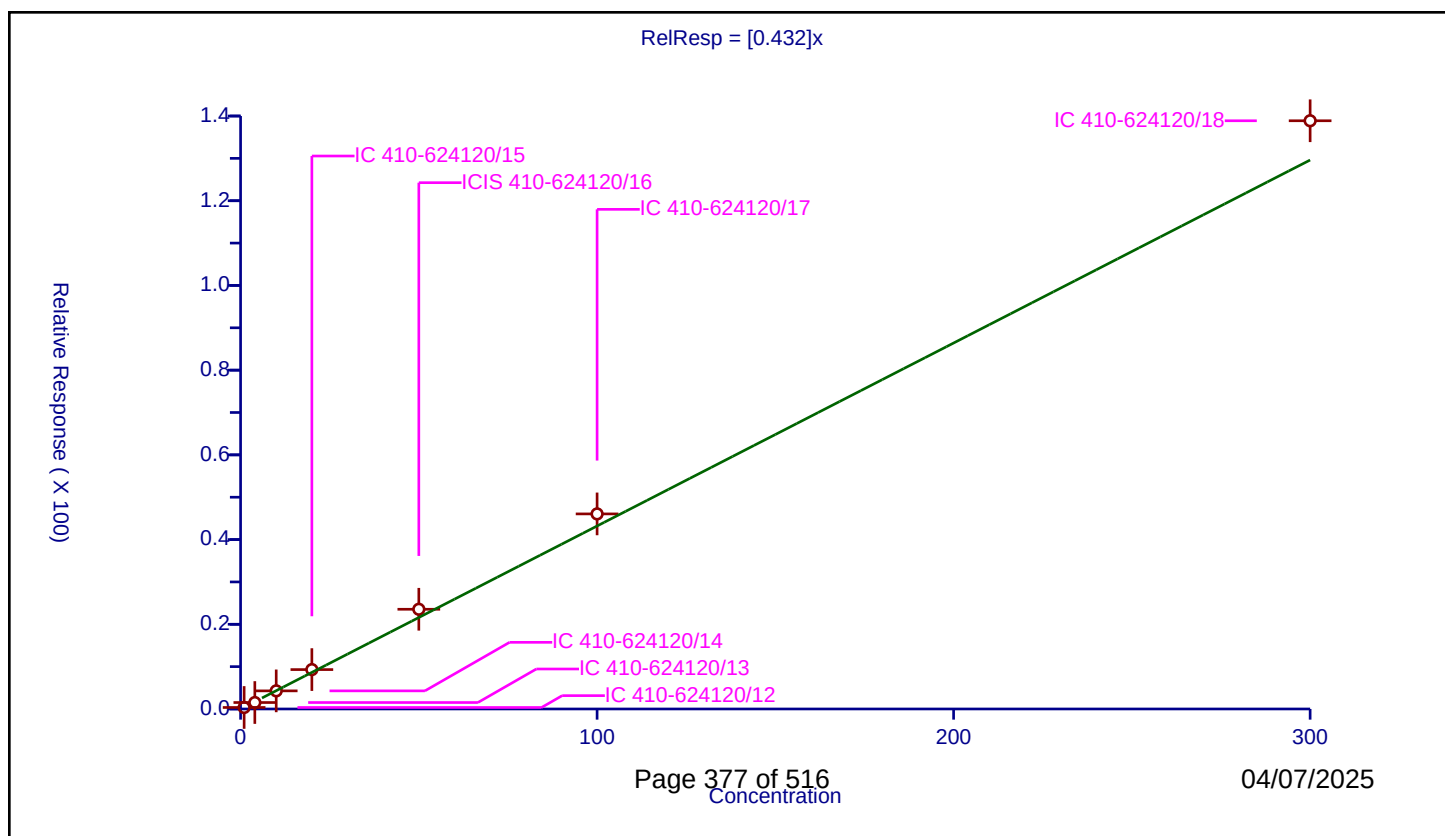
Curve Coefficients

Intercept: 0
Slope: 0.432

Error Coefficients

Relative Standard Deviation: 10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.355308	50.0	794381.0	0.355308	Y
2	IC 410-624120/13	4.0	1.526229	50.0	822059.0	0.381557	Y
3	IC 410-624120/14	10.0	4.279568	50.0	836977.0	0.427957	Y
4	IC 410-624120/15	20.0	9.299981	50.0	824163.0	0.464999	Y
5	ICIS 410-624120/16	50.0	23.541987	50.0	838693.0	0.47084	Y
6	IC 410-624120/17	100.0	46.058605	50.0	886856.0	0.460586	Y
7	IC 410-624120/18	300.0	138.87846	50.0	915215.0	0.462928	Y



Calibration

/ Methyl methacrylate

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

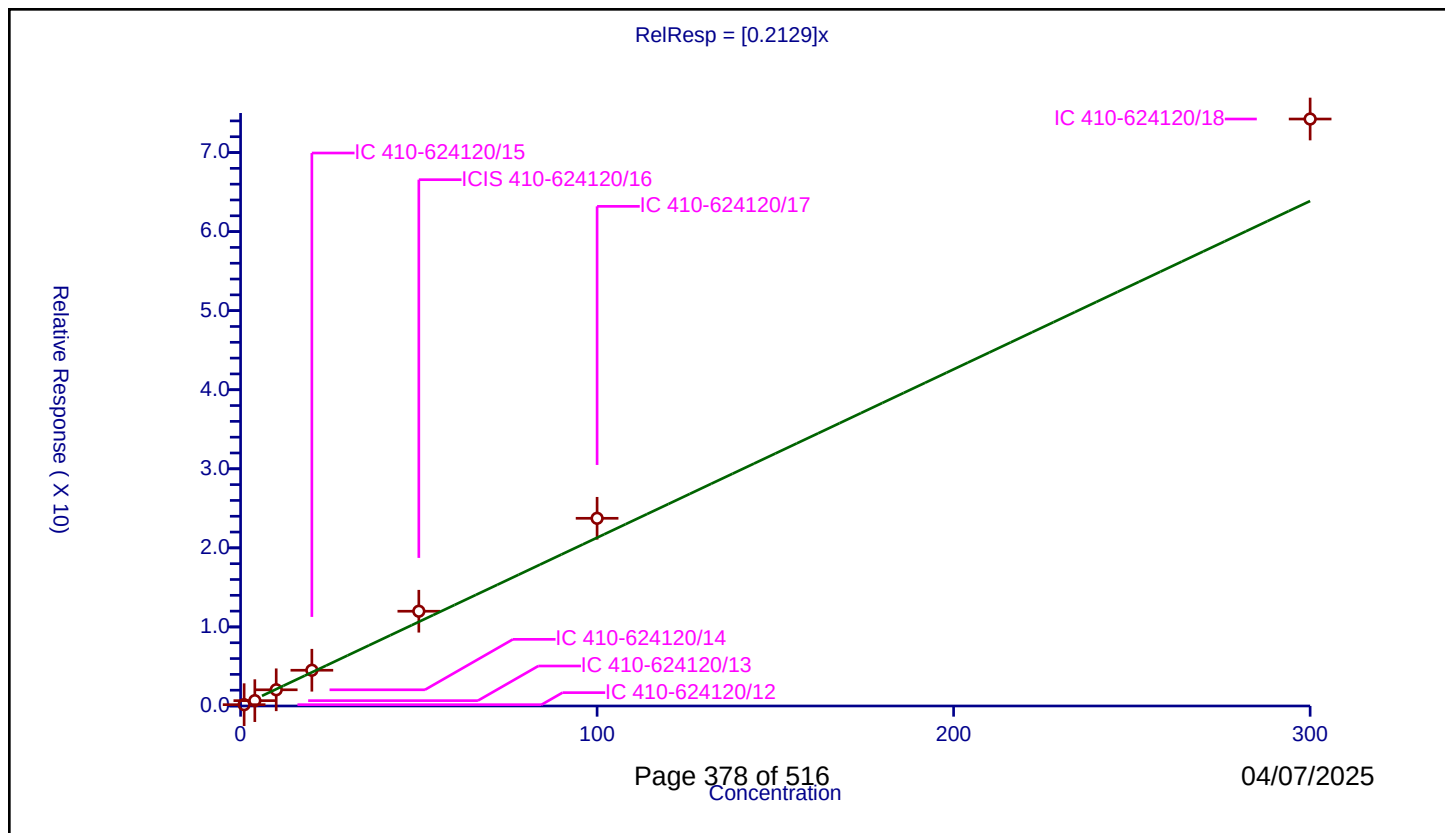
Curve Coefficients

Intercept: 0
Slope: 0.2129

Error Coefficients

Relative Standard Deviation: 15.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.165789	50.0	794381.0	0.165789	Y
2	IC 410-624120/13	4.0	0.676776	50.0	822059.0	0.169194	Y
3	IC 410-624120/14	10.0	2.047607	50.0	836977.0	0.204761	Y
4	IC 410-624120/15	20.0	4.520162	50.0	824163.0	0.226008	Y
5	ICIS 410-624120/16	50.0	11.985315	50.0	838693.0	0.239706	Y
6	IC 410-624120/17	100.0	23.738916	50.0	886856.0	0.237389	Y
7	IC 410-624120/18	300.0	74.240861	50.0	915215.0	0.24747	Y



Calibration

/ 1,4-Dioxane

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

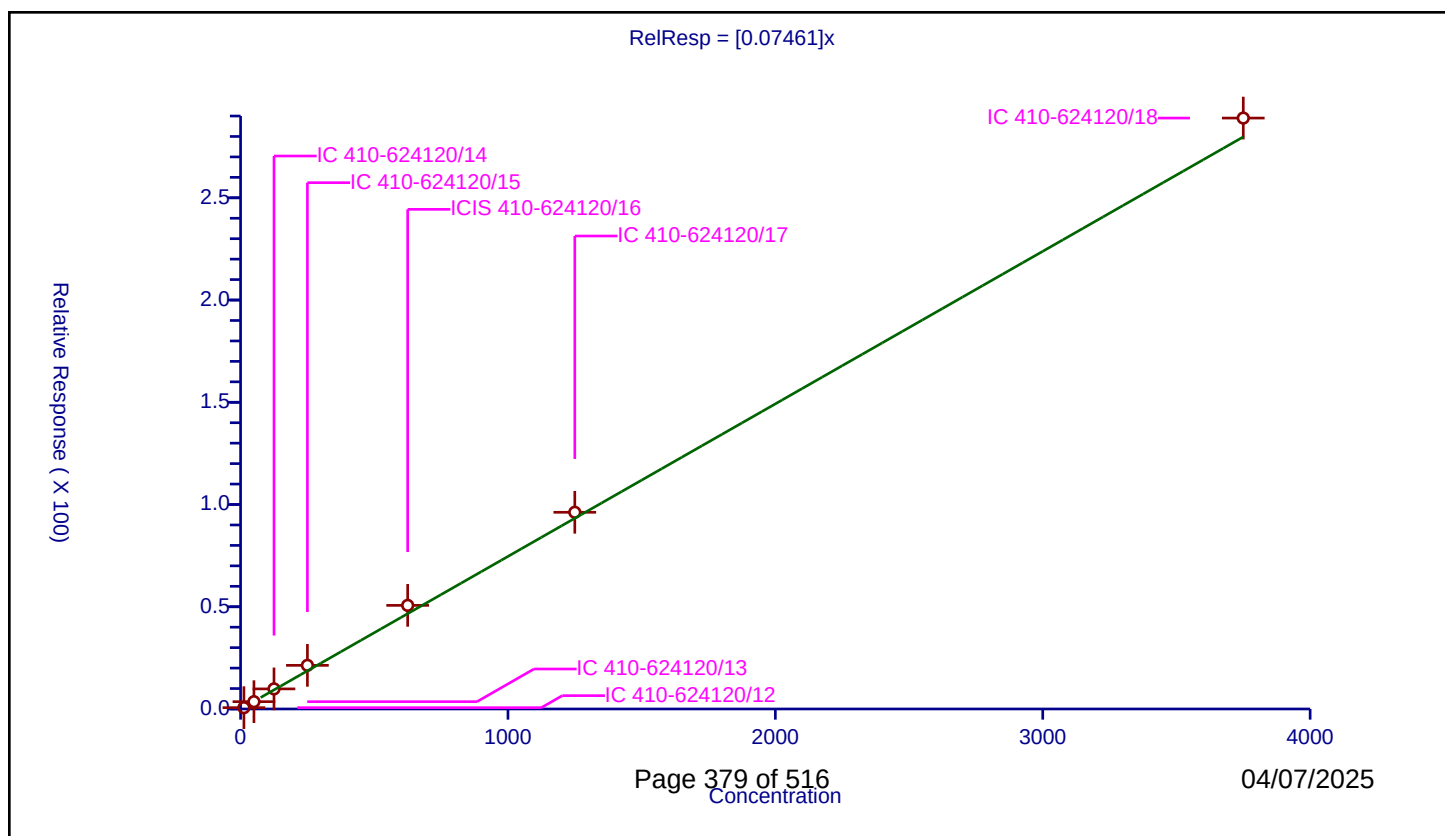
Curve Coefficients

Intercept: 0
Slope: 0.07461

Error Coefficients

Relative Standard Deviation: 14.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	12.5	0.644819	250.0	309777.0	0.051585	Y
2	IC 410-624120/13	50.0	3.578869	250.0	329783.0	0.071577	Y
3	IC 410-624120/14	125.0	9.826134	250.0	333015.0	0.078609	Y
4	IC 410-624120/15	250.0	21.347091	250.0	331544.0	0.085388	Y
5	ICIS 410-624120/16	625.0	50.677699	250.0	332301.0	0.081084	Y
6	IC 410-624120/17	1250.0	96.202789	250.0	354023.0	0.076962	Y
7	IC 410-624120/18	3750.0	288.99878	250.0	361569.0	0.077066	Y



Calibration

/ Dibromomethane

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

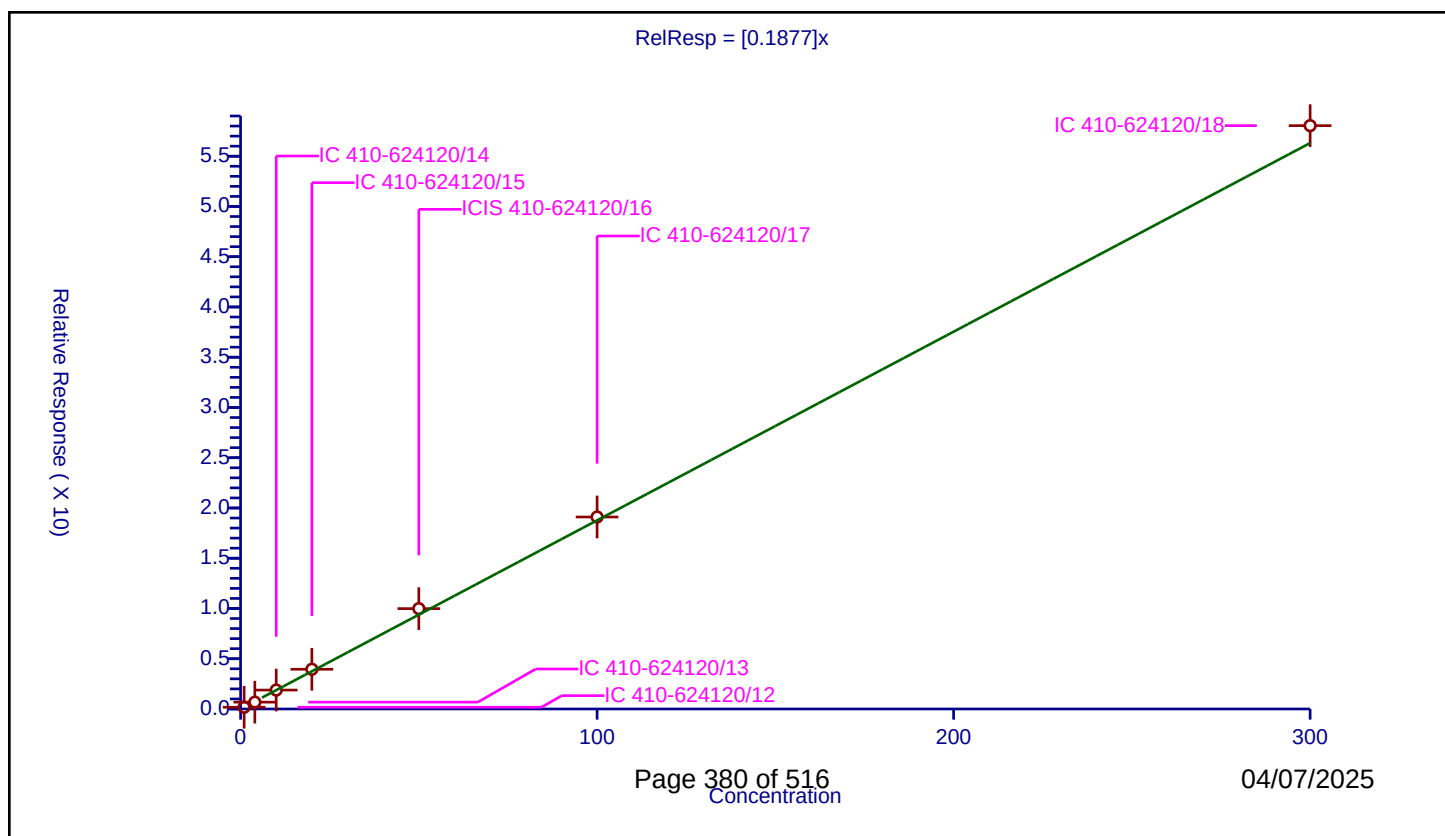
Curve Coefficients

Intercept: 0
Slope: 0.1877

Error Coefficients

Relative Standard Deviation: 6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.173594	50.0	794381.0	0.173594	Y
2	IC 410-624120/13	4.0	0.680365	50.0	822059.0	0.170091	Y
3	IC 410-624120/14	10.0	1.883564	50.0	836977.0	0.188356	Y
4	IC 410-624120/15	20.0	3.952495	50.0	824163.0	0.197625	Y
5	ICIS 410-624120/16	50.0	9.985418	50.0	838693.0	0.199708	Y
6	IC 410-624120/17	100.0	19.102312	50.0	886856.0	0.191023	Y
7	IC 410-624120/18	300.0	58.040952	50.0	915215.0	0.19347	Y



Calibration

/ Dichlorobromomethane

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

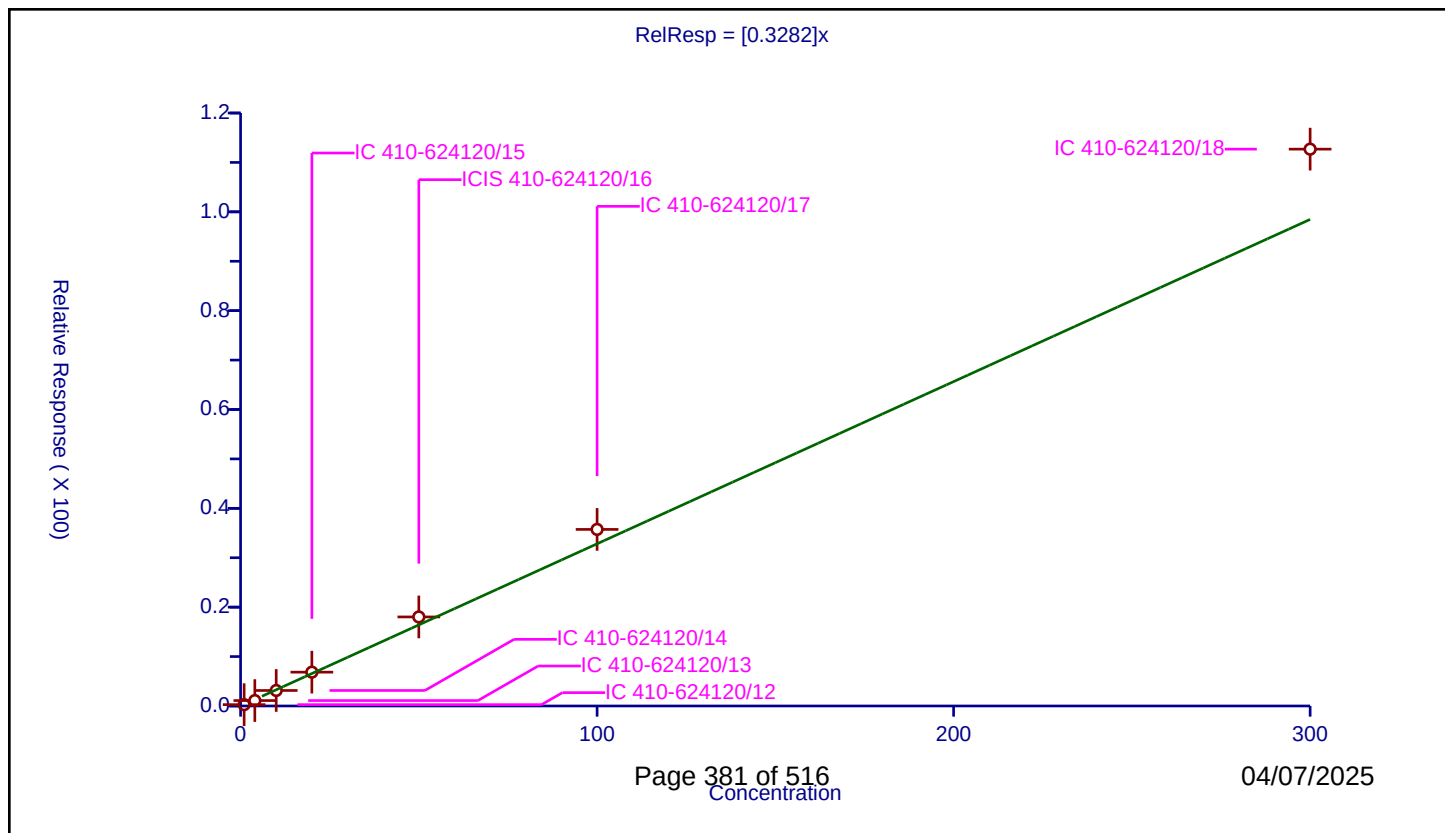
Curve Coefficients

Intercept: 0
Slope: 0.3282

Error Coefficients

Relative Standard Deviation: 12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.273357	50.0	794381.0	0.273357	Y
2	IC 410-624120/13	4.0	1.098096	50.0	822059.0	0.274524	Y
3	IC 410-624120/14	10.0	3.140648	50.0	836977.0	0.314065	Y
4	IC 410-624120/15	20.0	6.845187	50.0	824163.0	0.342259	Y
5	ICIS 410-624120/16	50.0	18.023818	50.0	838693.0	0.360476	Y
6	IC 410-624120/17	100.0	35.733197	50.0	886856.0	0.357332	Y
7	IC 410-624120/18	300.0	112.686036	50.0	915215.0	0.37562	Y



Calibration

/ 2-Nitropropane

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

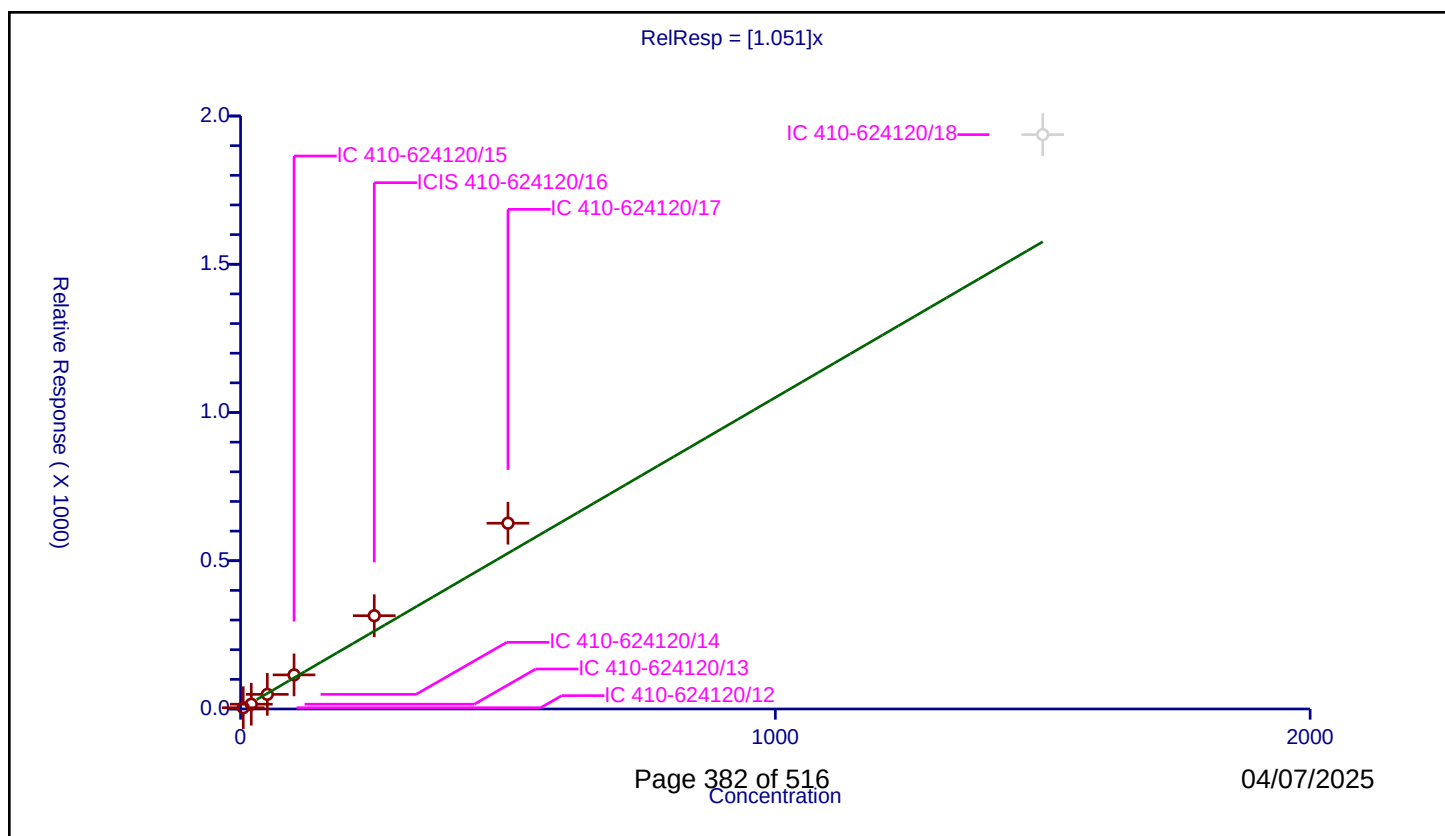
Curve Coefficients

Intercept: 0
Slope: 1.051

Error Coefficients

Relative Standard Deviation: 19.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	5.0	4.240954	250.0	309777.0	0.848191	Y
2	IC 410-624120/13	20.0	16.143191	250.0	329783.0	0.80716	Y
3	IC 410-624120/14	50.0	49.327358	250.0	333015.0	0.986547	Y
4	IC 410-624120/15	100.0	114.97946	250.0	331544.0	1.149795	Y
5	ICIS 410-624120/16	250.0	314.682321	250.0	332301.0	1.258729	Y
6	IC 410-624120/17	500.0	626.616773	250.0	354023.0	1.253234	Y
7	IC 410-624120/18	1500.0	1937.182806	250.0	361569.0	1.291455	N



Calibration

/ 2-Chloroethyl vinyl ether

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

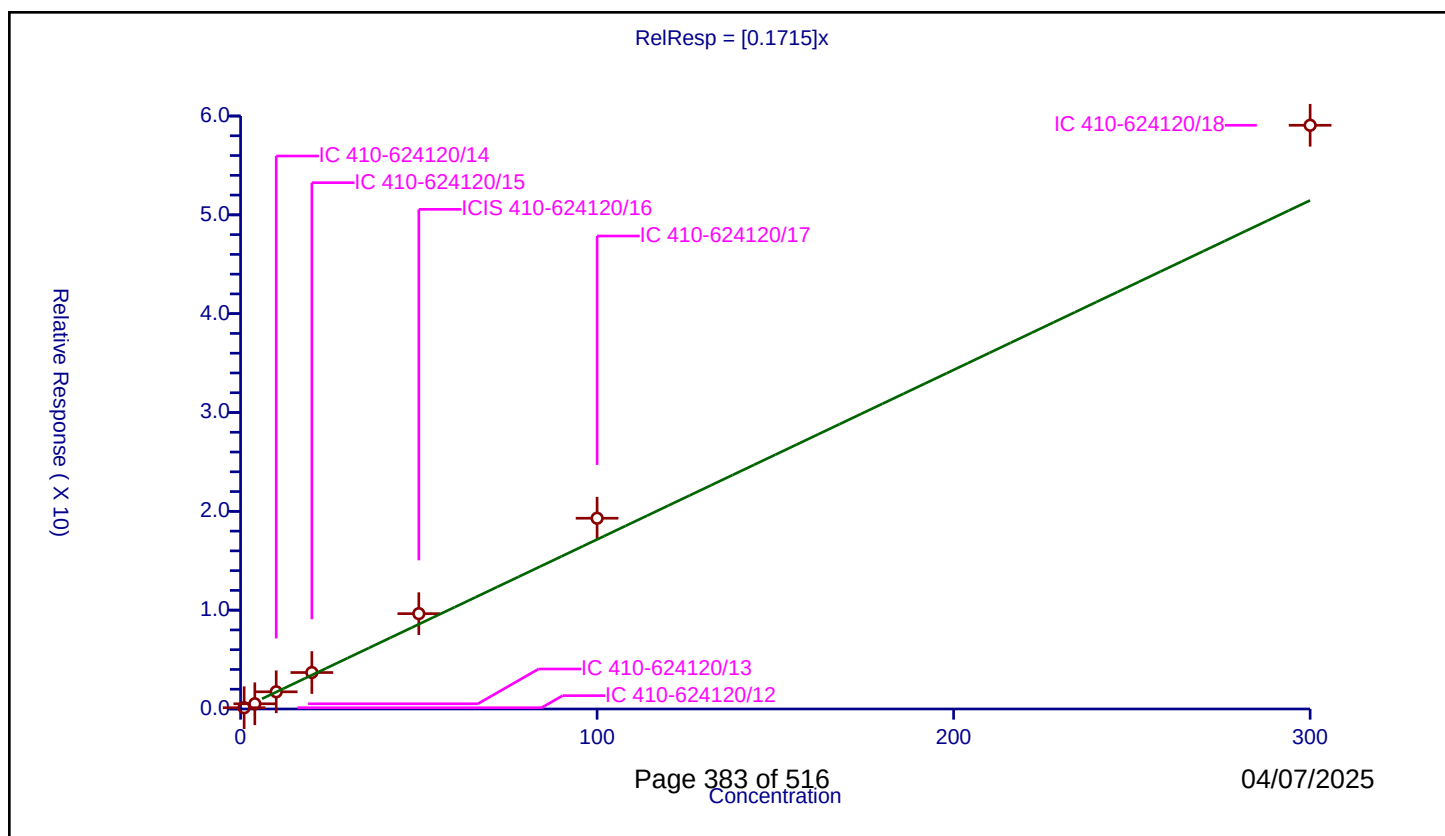
Curve Coefficients

Intercept: 0
Slope: 0.1715

Error Coefficients

Relative Standard Deviation: 17.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.127772	50.0	794381.0	0.127772	Y
2	IC 410-624120/13	4.0	0.527517	50.0	822059.0	0.131879	Y
3	IC 410-624120/14	10.0	1.73828	50.0	836977.0	0.173828	Y
4	IC 410-624120/15	20.0	3.689804	50.0	824163.0	0.18449	Y
5	ICIS 410-624120/16	50.0	9.646975	50.0	838693.0	0.192939	Y
6	IC 410-624120/17	100.0	19.301161	50.0	886856.0	0.193012	Y
7	IC 410-624120/18	300.0	59.062734	50.0	915215.0	0.196876	Y



Calibration

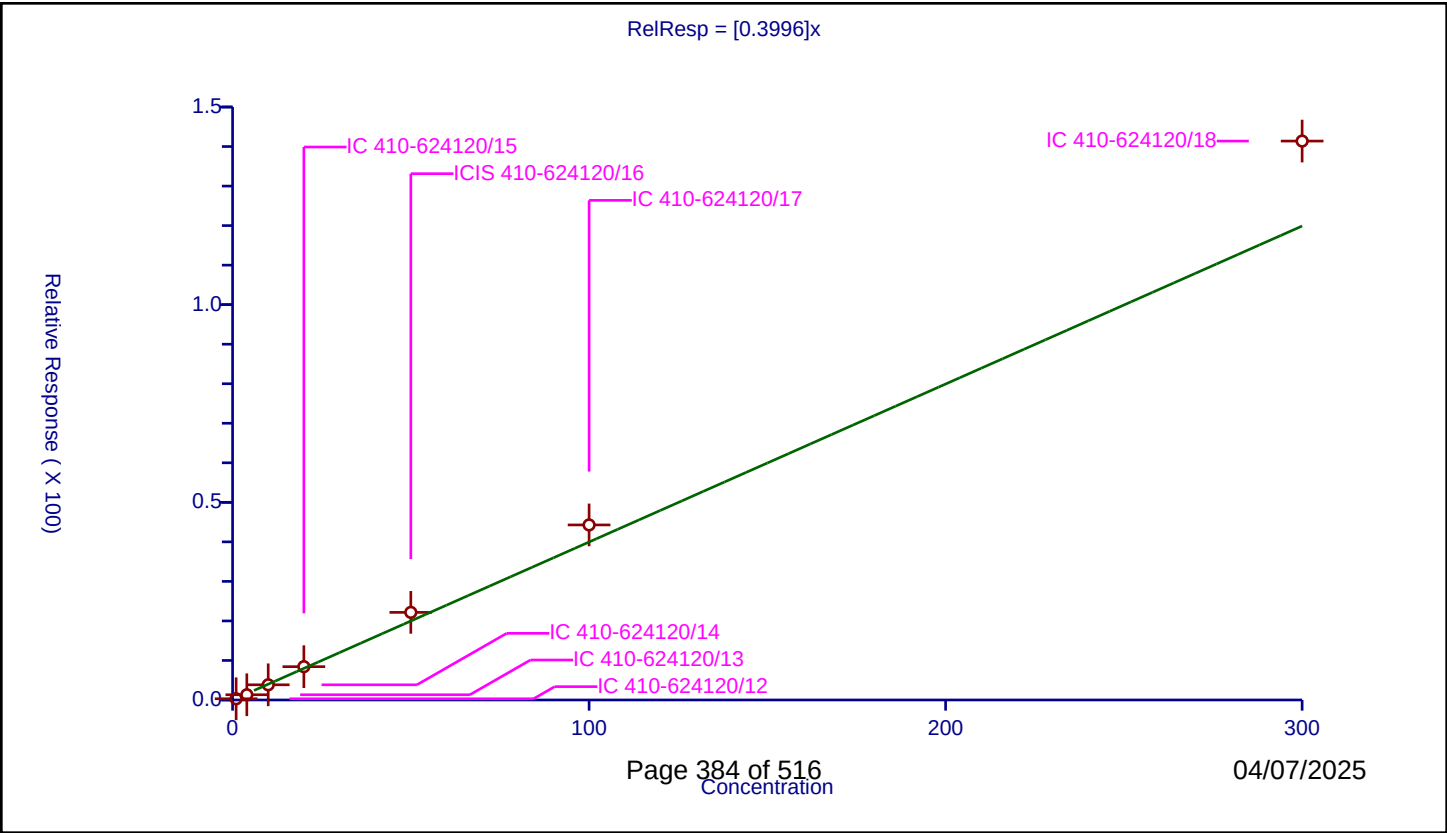
/ cis-1,3-Dichloropropene

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

Curve Coefficients	
Intercept:	0
Slope:	0.3996
Error Coefficients	

Relative Standard Deviation: 15.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.304073	50.0	794381.0	0.304073	Y
2	IC 410-624120/13	4.0	1.322472	50.0	822059.0	0.330618	Y
3	IC 410-624120/14	10.0	3.840548	50.0	836977.0	0.384055	Y
4	IC 410-624120/15	20.0	8.427944	50.0	824163.0	0.421397	Y
5	ICIS 410-624120/16	50.0	22.161327	50.0	838693.0	0.443227	Y
6	IC 410-624120/17	100.0	44.280695	50.0	886856.0	0.442807	Y
7	IC 410-624120/18	300.0	141.384647	50.0	915215.0	0.471282	Y



Calibration

/ 4-Methyl-2-pentanone (MIBK)

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

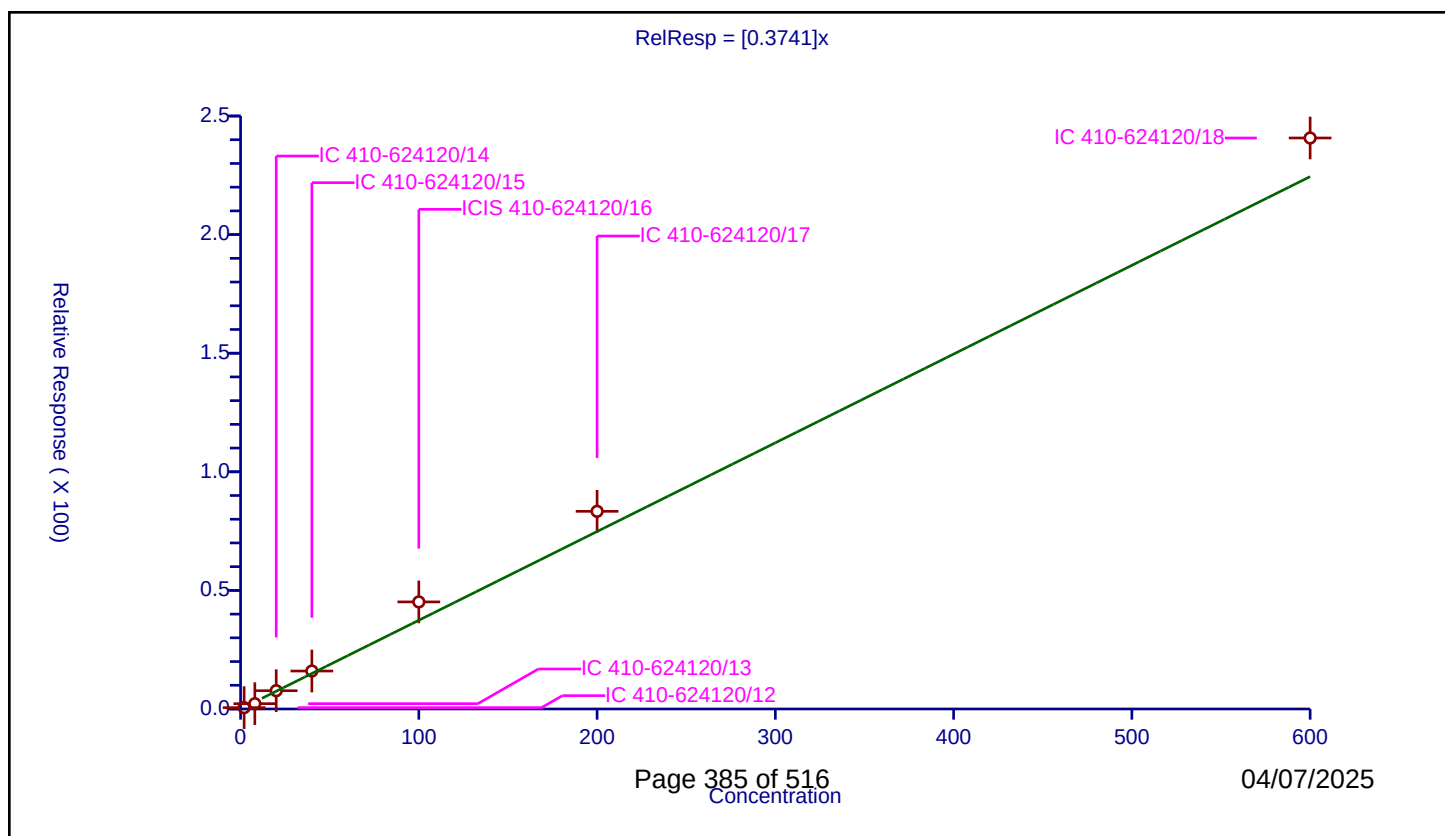
Curve Coefficients

Intercept: 0
Slope: 0.3741

Error Coefficients

Relative Standard Deviation: 17.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	2.0	0.567423	50.0	794381.0	0.283711	Y
2	IC 410-624120/13	8.0	2.237674	50.0	822059.0	0.279709	Y
3	IC 410-624120/14	20.0	7.710606	50.0	836977.0	0.38553	Y
4	IC 410-624120/15	40.0	16.006178	50.0	824163.0	0.400154	Y
5	ICIS 410-624120/16	100.0	45.150788	50.0	838693.0	0.451508	Y
6	IC 410-624120/17	200.0	83.337712	50.0	886856.0	0.416689	Y
7	IC 410-624120/18	600.0	240.736166	50.0	915215.0	0.401227	Y



Calibration

/ Toluene-d8 (Surr)

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

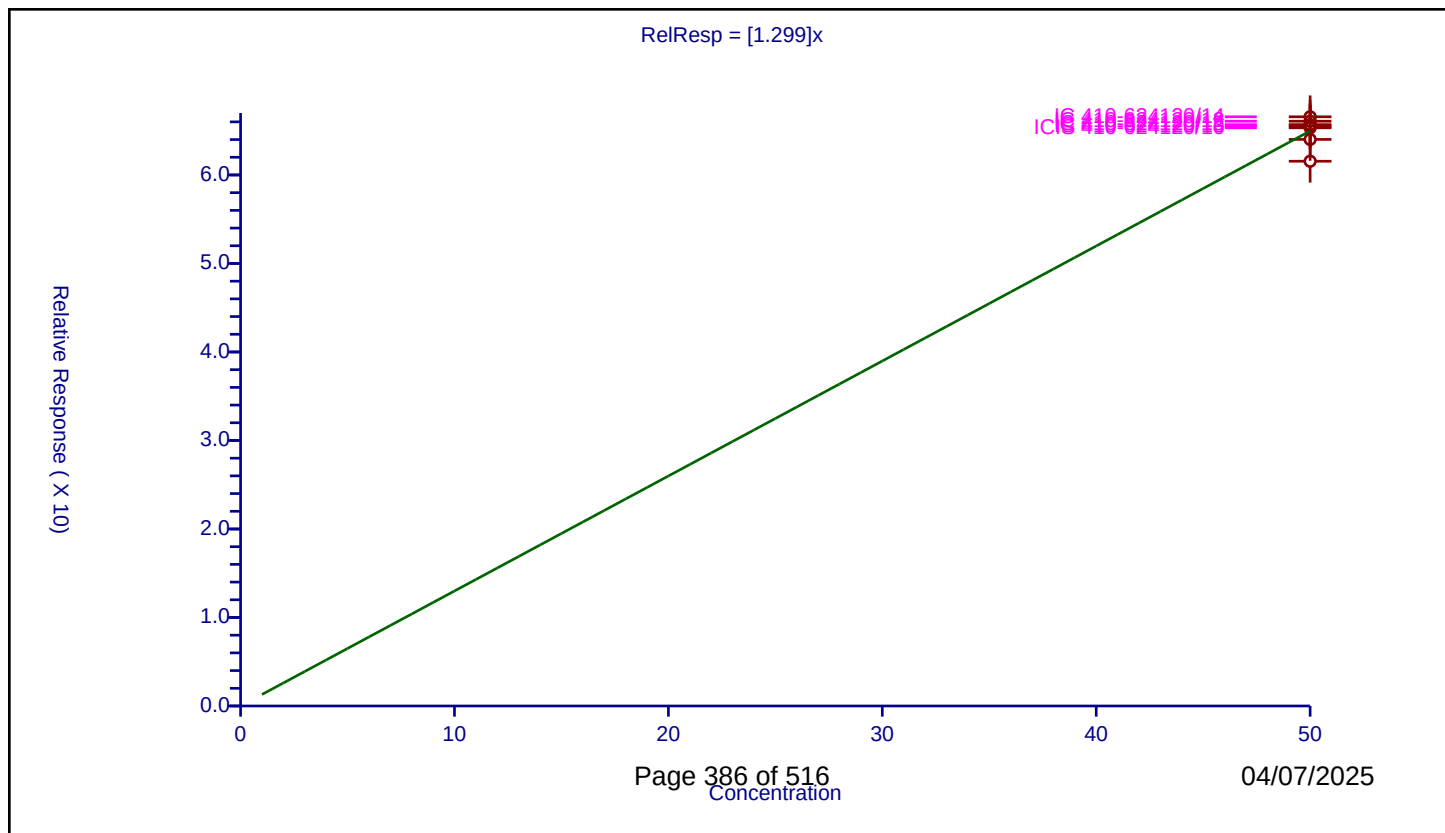
Curve Coefficients

Intercept: 0
Slope: 1.299

Error Coefficients

Relative Standard Deviation: 2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	50.0	66.073399	50.0	551831.0	1.321468	Y
2	IC 410-624120/13	50.0	65.526561	50.0	579990.0	1.310531	Y
3	IC 410-624120/14	50.0	66.575448	50.0	595818.0	1.331509	Y
4	IC 410-624120/15	50.0	65.689277	50.0	603103.0	1.313786	Y
5	ICIS 410-624120/16	50.0	65.327091	50.0	619002.0	1.306542	Y
6	IC 410-624120/17	50.0	64.016042	50.0	679607.0	1.280321	Y
7	IC 410-624120/18	50.0	61.553011	50.0	749679.0	1.23106	Y



Calibration

/ Toluene

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

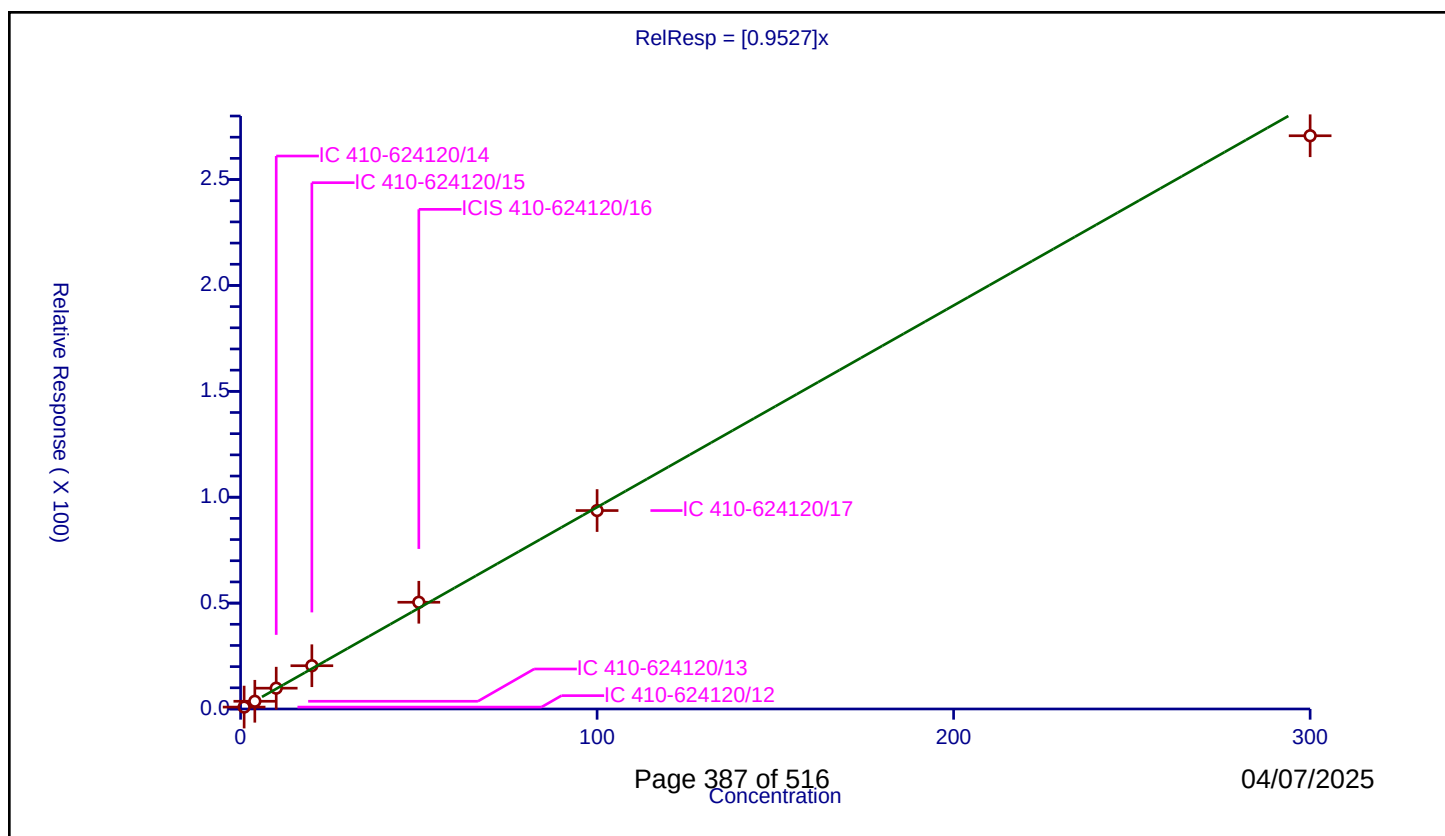
Curve Coefficients

Intercept: 0
Slope: 0.9527

Error Coefficients

Relative Standard Deviation: 5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.905531	50.0	551831.0	0.905531	Y
2	IC 410-624120/13	4.0	3.648425	50.0	579990.0	0.912106	Y
3	IC 410-624120/14	10.0	9.821707	50.0	595818.0	0.982171	Y
4	IC 410-624120/15	20.0	20.435564	50.0	603103.0	1.021778	Y
5	ICIS 410-624120/16	50.0	50.402987	50.0	619002.0	1.00806	Y
6	IC 410-624120/17	100.0	93.702978	50.0	679607.0	0.93703	Y
7	IC 410-624120/18	300.0	270.687521	50.0	749679.0	0.902292	Y



Calibration

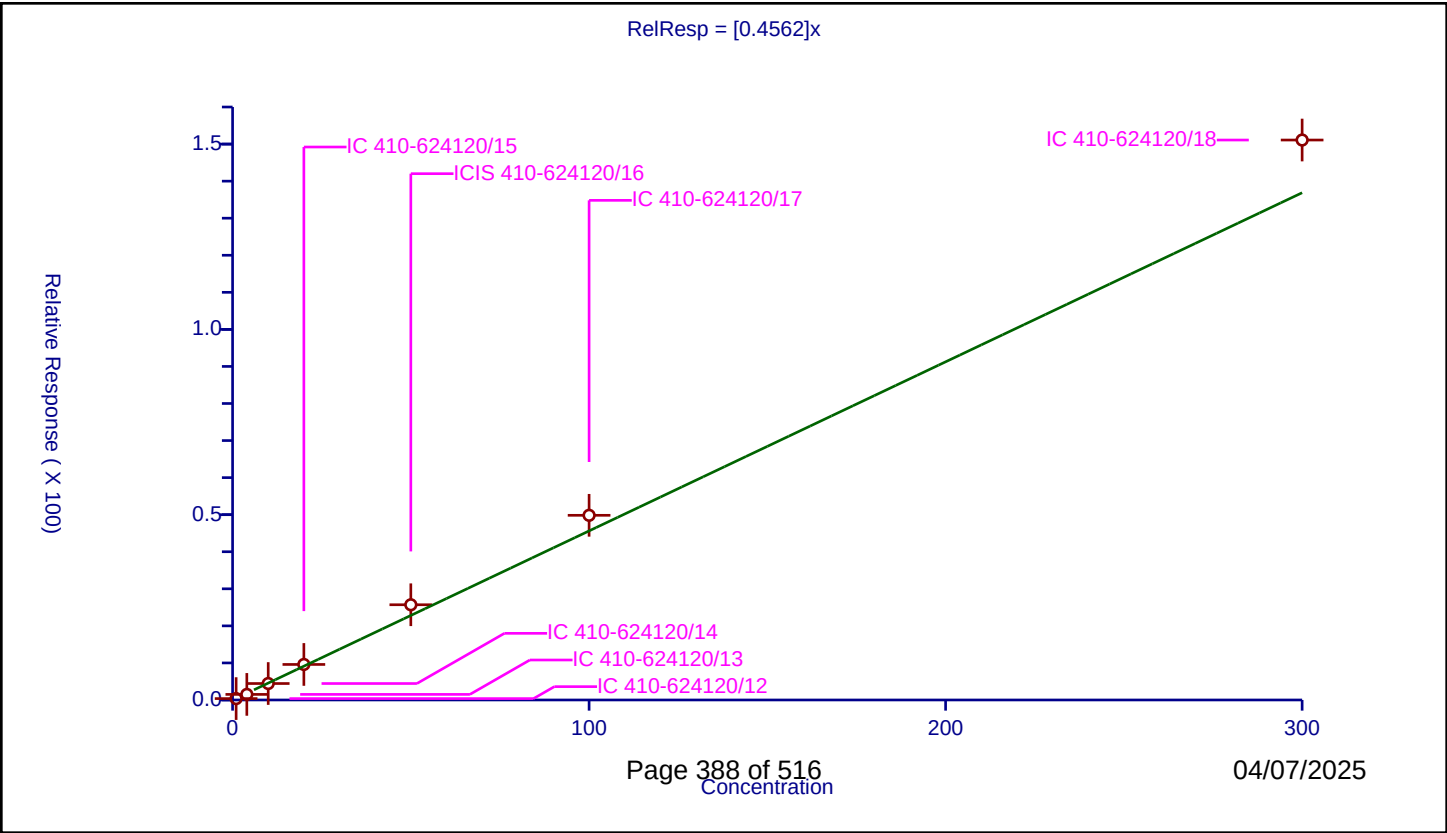
/ trans-1,3-Dichloropropene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4562
Error Coefficients	

Relative Standard Deviation: 12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.376746	50.0	551831.0	0.376746	Y
2	IC 410-624120/13	4.0	1.509336	50.0	579990.0	0.377334	Y
3	IC 410-624120/14	10.0	4.443891	50.0	595818.0	0.444389	Y
4	IC 410-624120/15	20.0	9.585179	50.0	603103.0	0.479259	Y
5	ICIS 410-624120/16	50.0	25.694667	50.0	619002.0	0.513893	Y
6	IC 410-624120/17	100.0	49.831079	50.0	679607.0	0.498311	Y
7	IC 410-624120/18	300.0	151.094135	50.0	749679.0	0.503647	Y



Calibration

/ Ethyl methacrylate

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

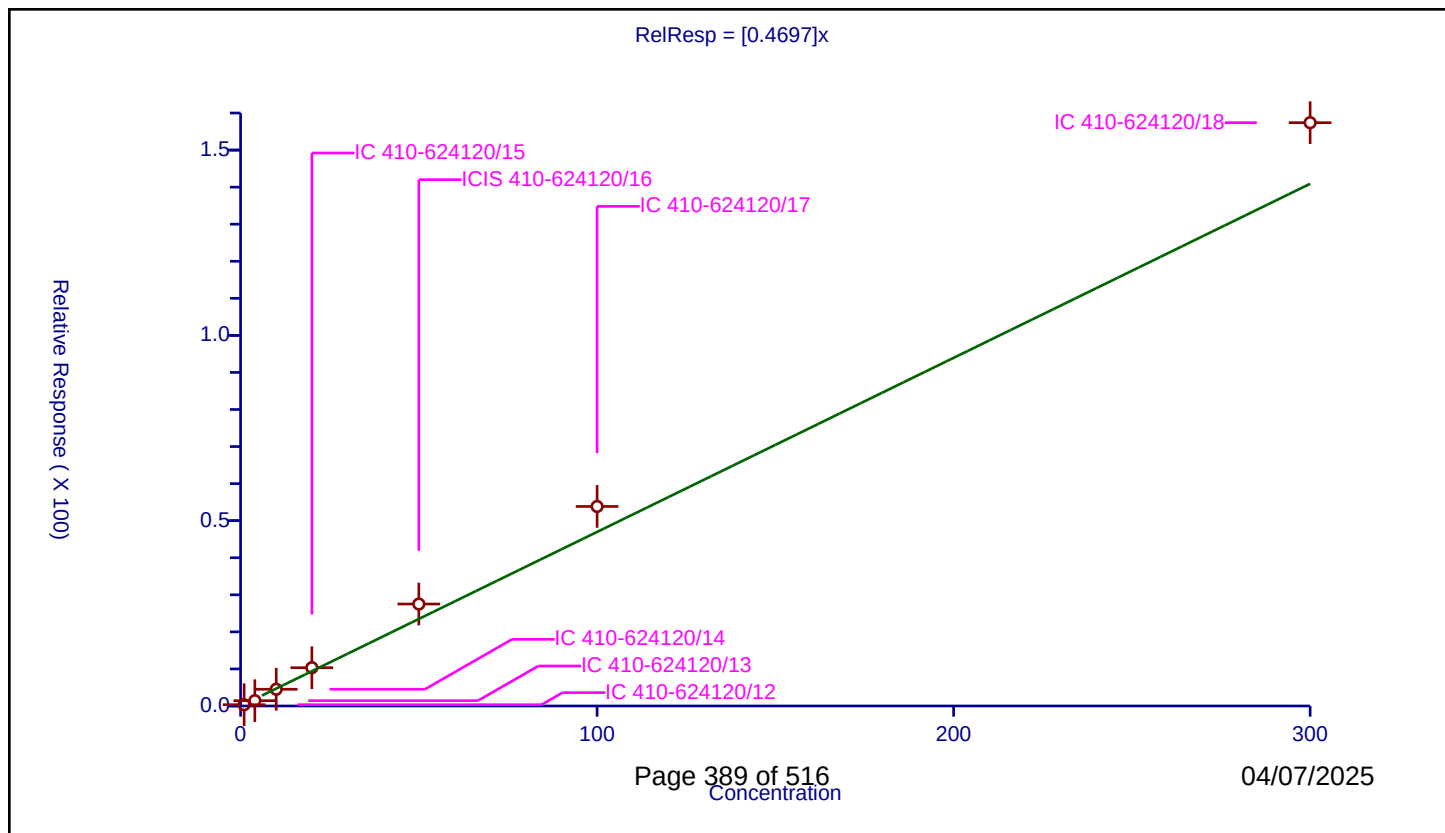
Curve Coefficients

Intercept: 0
Slope: 0.4697

Error Coefficients

Relative Standard Deviation: 18.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.34757	50.0	551831.0	0.34757	Y
2	IC 410-624120/13	4.0	1.437439	50.0	579990.0	0.35936	Y
3	IC 410-624120/14	10.0	4.511697	50.0	595818.0	0.45117	Y
4	IC 410-624120/15	20.0	10.326926	50.0	603103.0	0.516346	Y
5	ICIS 410-624120/16	50.0	27.510493	50.0	619002.0	0.55021	Y
6	IC 410-624120/17	100.0	53.841264	50.0	679607.0	0.538413	Y
7	IC 410-624120/18	300.0	157.392097	50.0	749679.0	0.52464	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

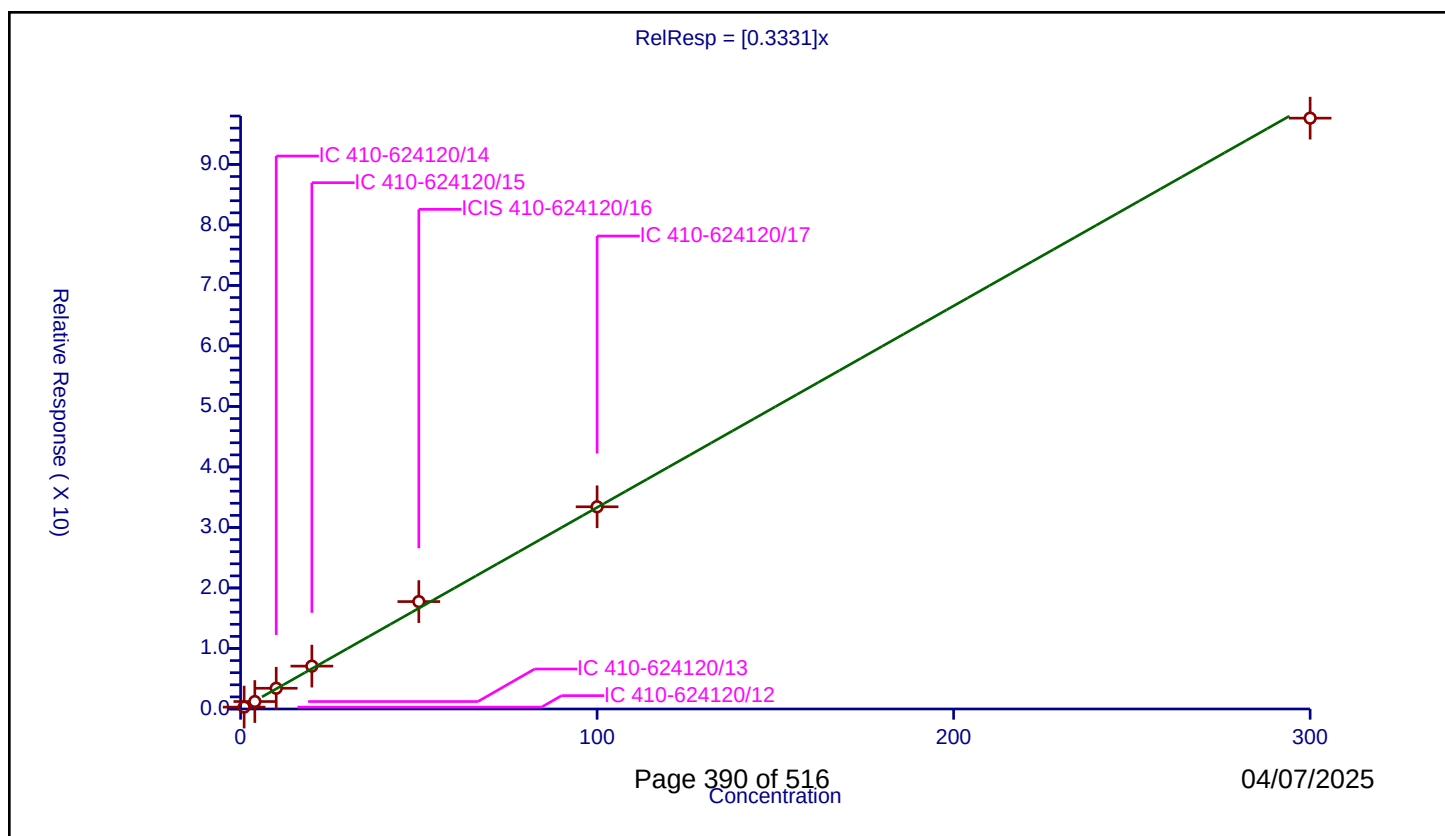
Curve Coefficients

Intercept: 0
Slope: 0.3331

Error Coefficients

Relative Standard Deviation: 5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.312233	50.0	551831.0	0.312233	Y
2	IC 410-624120/13	4.0	1.231918	50.0	579990.0	0.307979	Y
3	IC 410-624120/14	10.0	3.424704	50.0	595818.0	0.34247	Y
4	IC 410-624120/15	20.0	7.083865	50.0	603103.0	0.354193	Y
5	ICIS 410-624120/16	50.0	17.749862	50.0	619002.0	0.354997	Y
6	IC 410-624120/17	100.0	33.417181	50.0	679607.0	0.334172	Y
7	IC 410-624120/18	300.0	97.648727	50.0	749679.0	0.325496	Y



Calibration

/ Tetrachloroethene

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

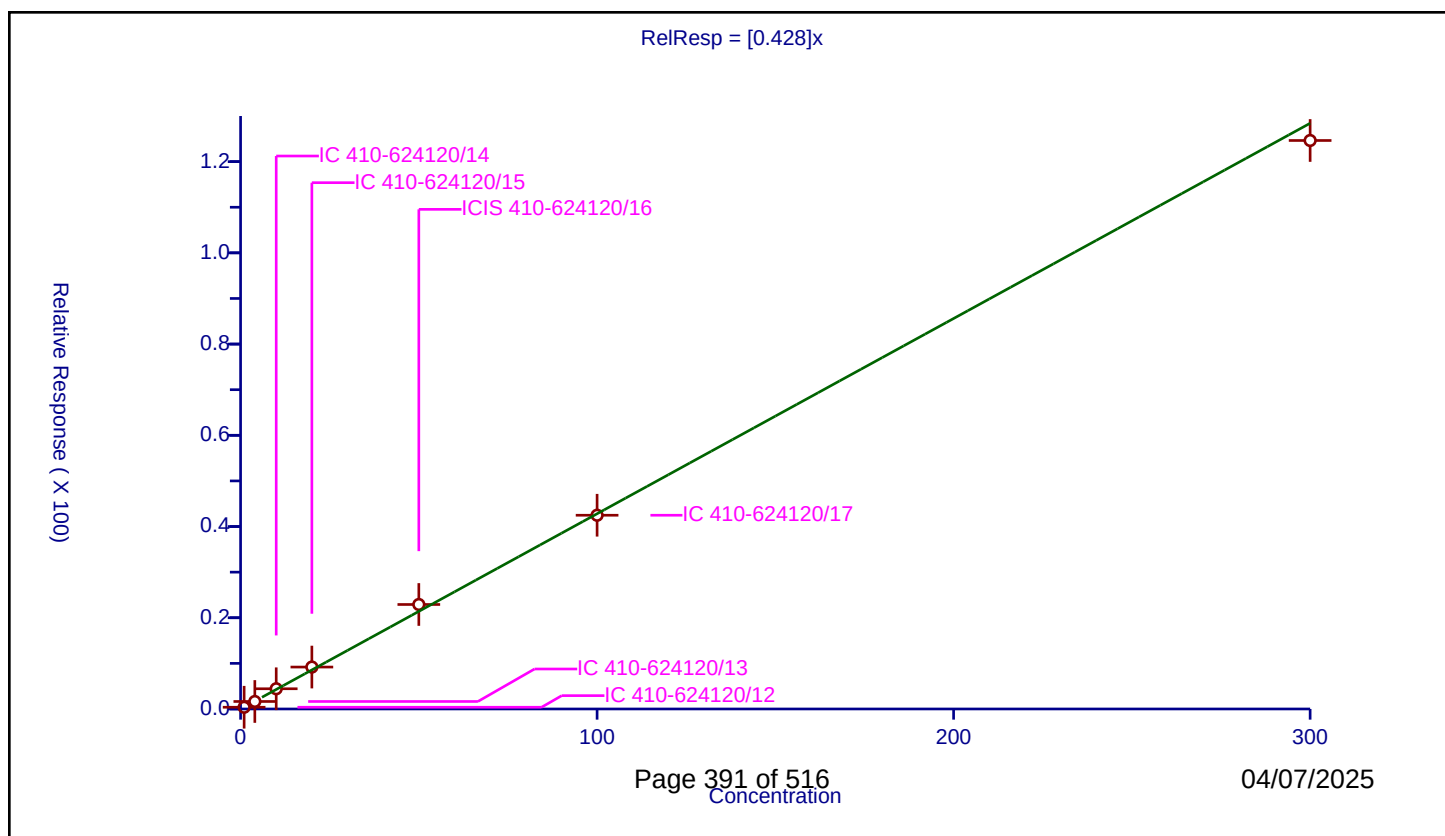
Curve Coefficients

Intercept: 0
Slope: 0.428

Error Coefficients

Relative Standard Deviation: 6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.382635	50.0	551831.0	0.382635	Y
2	IC 410-624120/13	4.0	1.647097	50.0	579990.0	0.411774	Y
3	IC 410-624120/14	10.0	4.436674	50.0	595818.0	0.443667	Y
4	IC 410-624120/15	20.0	9.194781	50.0	603103.0	0.459739	Y
5	ICIS 410-624120/16	50.0	22.909861	50.0	619002.0	0.458197	Y
6	IC 410-624120/17	100.0	42.474916	50.0	679607.0	0.424749	Y
7	IC 410-624120/18	300.0	124.631742	50.0	749679.0	0.415439	Y



Calibration

/ 1,3-Dichloropropane

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

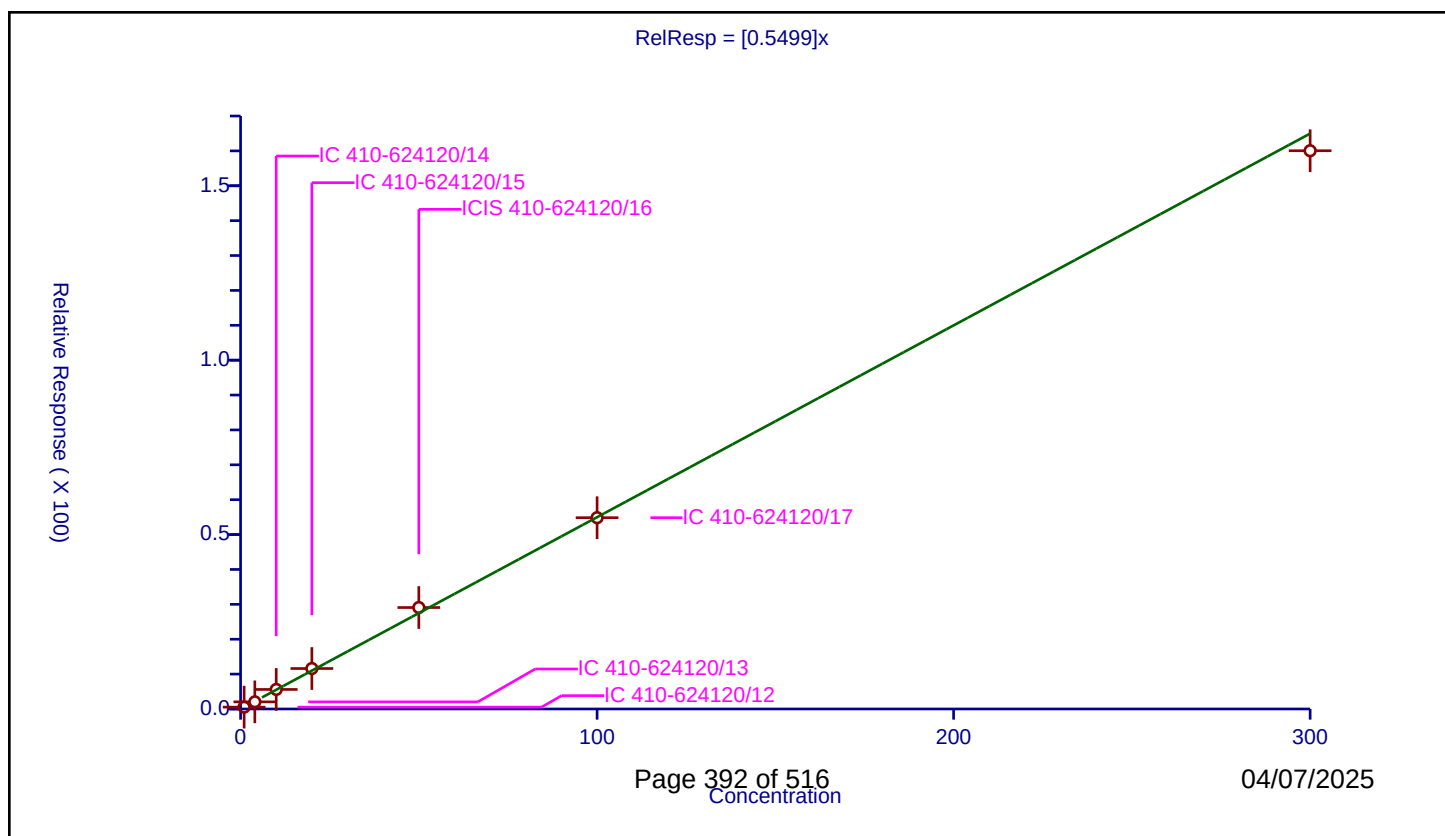
Curve Coefficients

Intercept: 0
Slope: 0.5499

Error Coefficients

Relative Standard Deviation: 4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.533859	50.0	551831.0	0.533859	Y
2	IC 410-624120/13	4.0	2.045208	50.0	579990.0	0.511302	Y
3	IC 410-624120/14	10.0	5.602466	50.0	595818.0	0.560247	Y
4	IC 410-624120/15	20.0	11.602164	50.0	603103.0	0.580108	Y
5	ICIS 410-624120/16	50.0	29.087305	50.0	619002.0	0.581746	Y
6	IC 410-624120/17	100.0	54.842137	50.0	679607.0	0.548421	Y
7	IC 410-624120/18	300.0	160.049368	50.0	749679.0	0.533498	Y



Calibration

/ 2-Hexanone

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

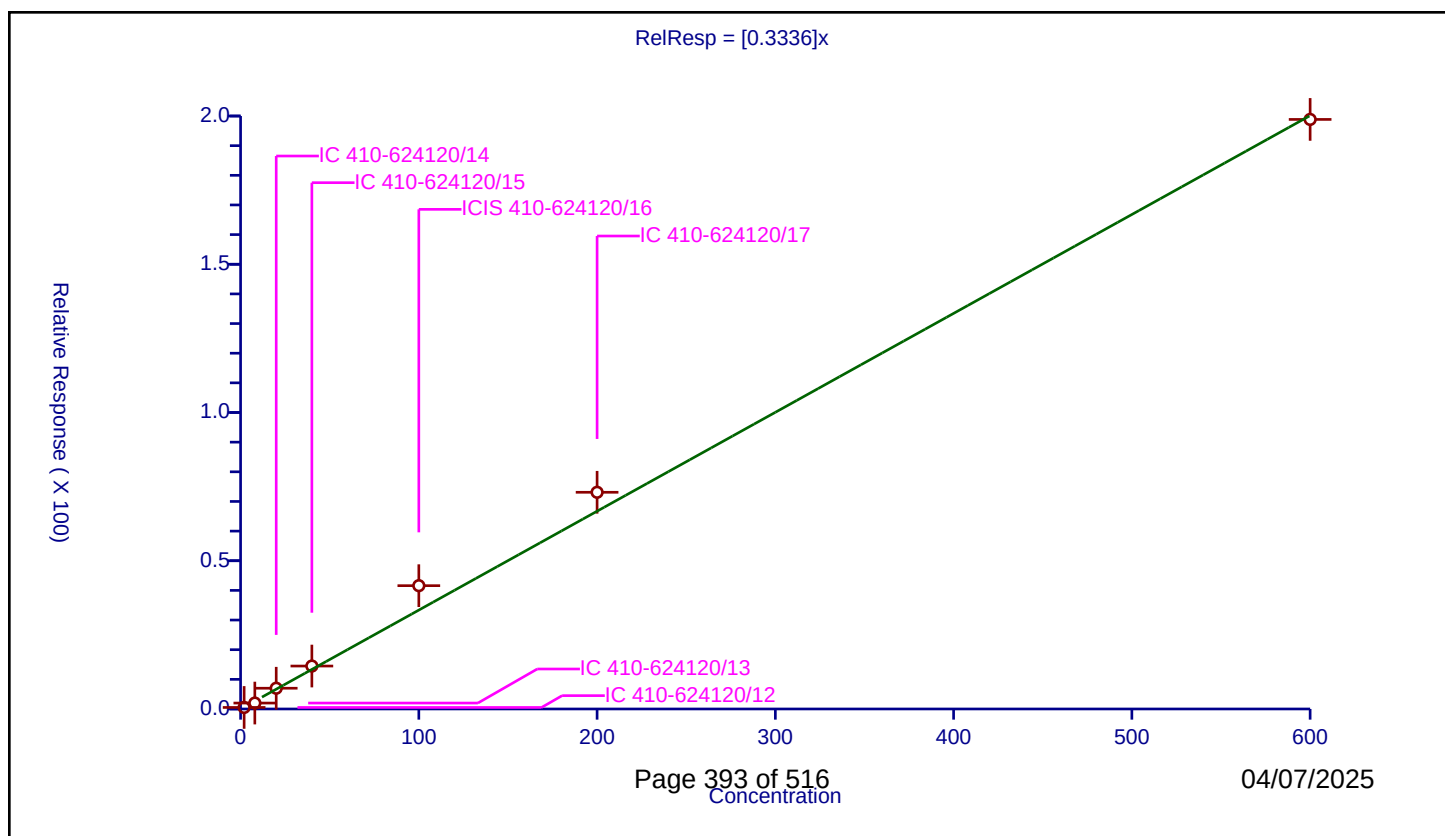
Curve Coefficients

Intercept: 0
Slope: 0.3336

Error Coefficients

Relative Standard Deviation: 17.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	2.0	0.518728	50.0	551831.0	0.259364	Y
2	IC 410-624120/13	8.0	2.003914	50.0	579990.0	0.250489	Y
3	IC 410-624120/14	20.0	7.002558	50.0	595818.0	0.350128	Y
4	IC 410-624120/15	40.0	14.487824	50.0	603103.0	0.362196	Y
5	ICIS 410-624120/16	100.0	41.590496	50.0	619002.0	0.415905	Y
6	IC 410-624120/17	200.0	73.087976	50.0	679607.0	0.36544	Y
7	IC 410-624120/18	600.0	198.849574	50.0	749679.0	0.331416	Y



Calibration

/ Chlorodibromomethane

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

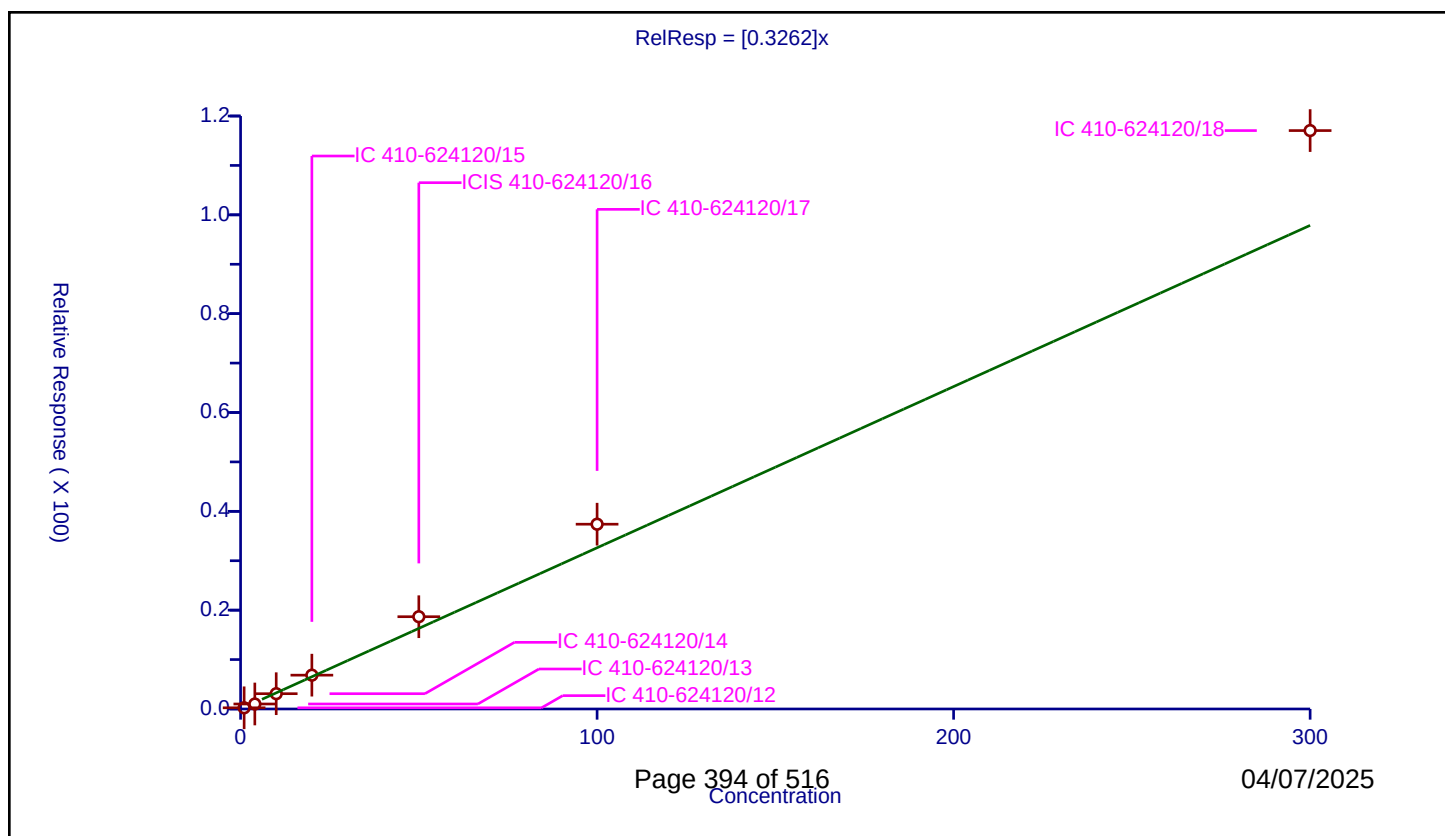
Curve Coefficients

Intercept: 0
Slope: 0.3262

Error Coefficients

Relative Standard Deviation: 18.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.242013	50.0	551831.0	0.242013	Y
2	IC 410-624120/13	4.0	1.0095	50.0	579990.0	0.252375	Y
3	IC 410-624120/14	10.0	3.09373	50.0	595818.0	0.309373	Y
4	IC 410-624120/15	20.0	6.844602	50.0	603103.0	0.34223	Y
5	ICIS 410-624120/16	50.0	18.673849	50.0	619002.0	0.373477	Y
6	IC 410-624120/17	100.0	37.396098	50.0	679607.0	0.373961	Y
7	IC 410-624120/18	300.0	117.053432	50.0	749679.0	0.390178	Y



Calibration

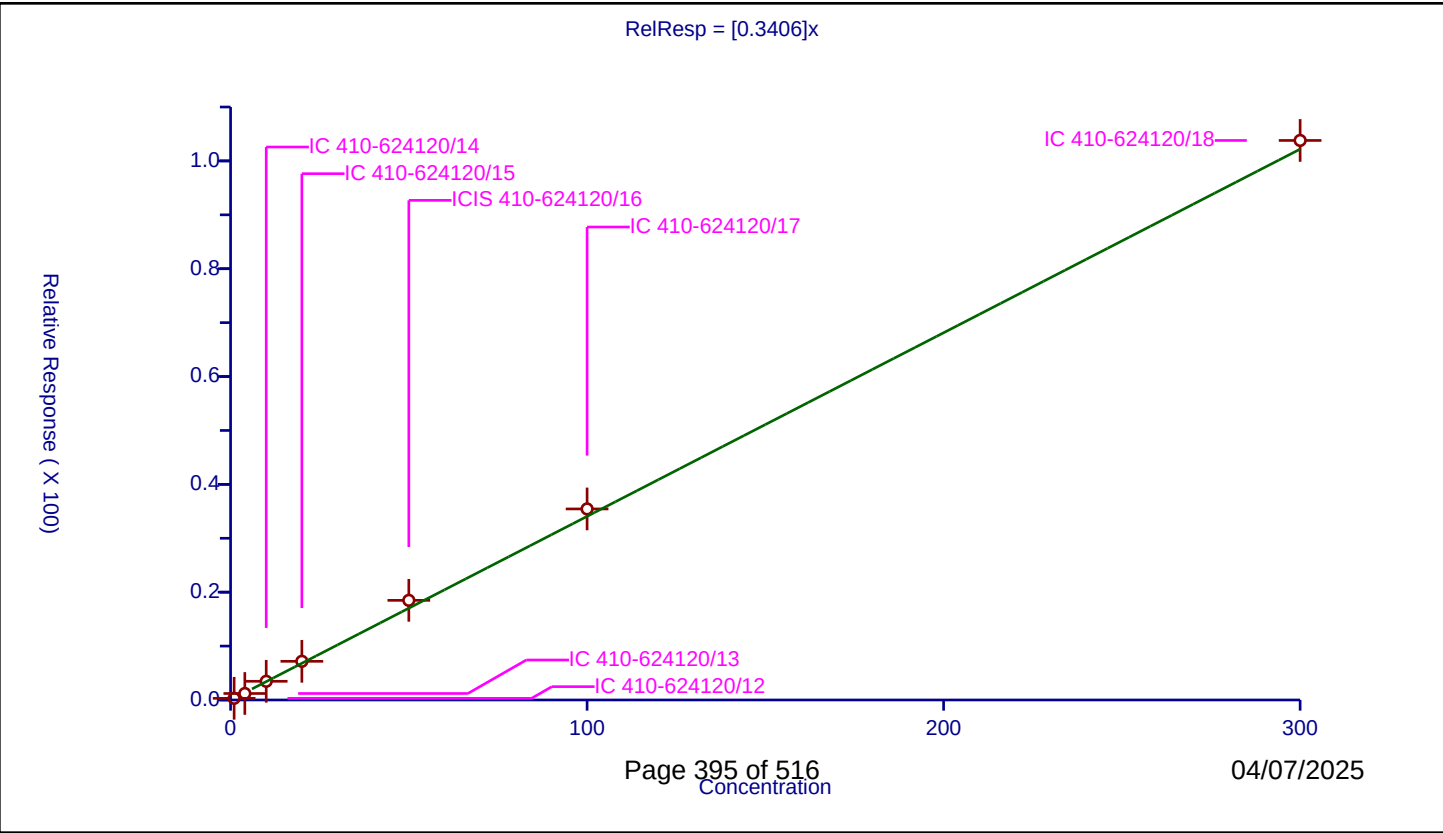
/ Ethylene Dibromide

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

Curve Coefficients	
Intercept:	0
Slope:	0.3406
Error Coefficients	

Relative Standard Deviation: 7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.30734	50.0	551831.0	0.30734	Y
2	IC 410-624120/13	4.0	1.204762	50.0	579990.0	0.301191	Y
3	IC 410-624120/14	10.0	3.468928	50.0	595818.0	0.346893	Y
4	IC 410-624120/15	20.0	7.175723	50.0	603103.0	0.358786	Y
5	ICIS 410-624120/16	50.0	18.485966	50.0	619002.0	0.369719	Y
6	IC 410-624120/17	100.0	35.439305	50.0	679607.0	0.354393	Y
7	IC 410-624120/18	300.0	103.797759	50.0	749679.0	0.345993	Y



Calibration

/ 1-Chlorohexane

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

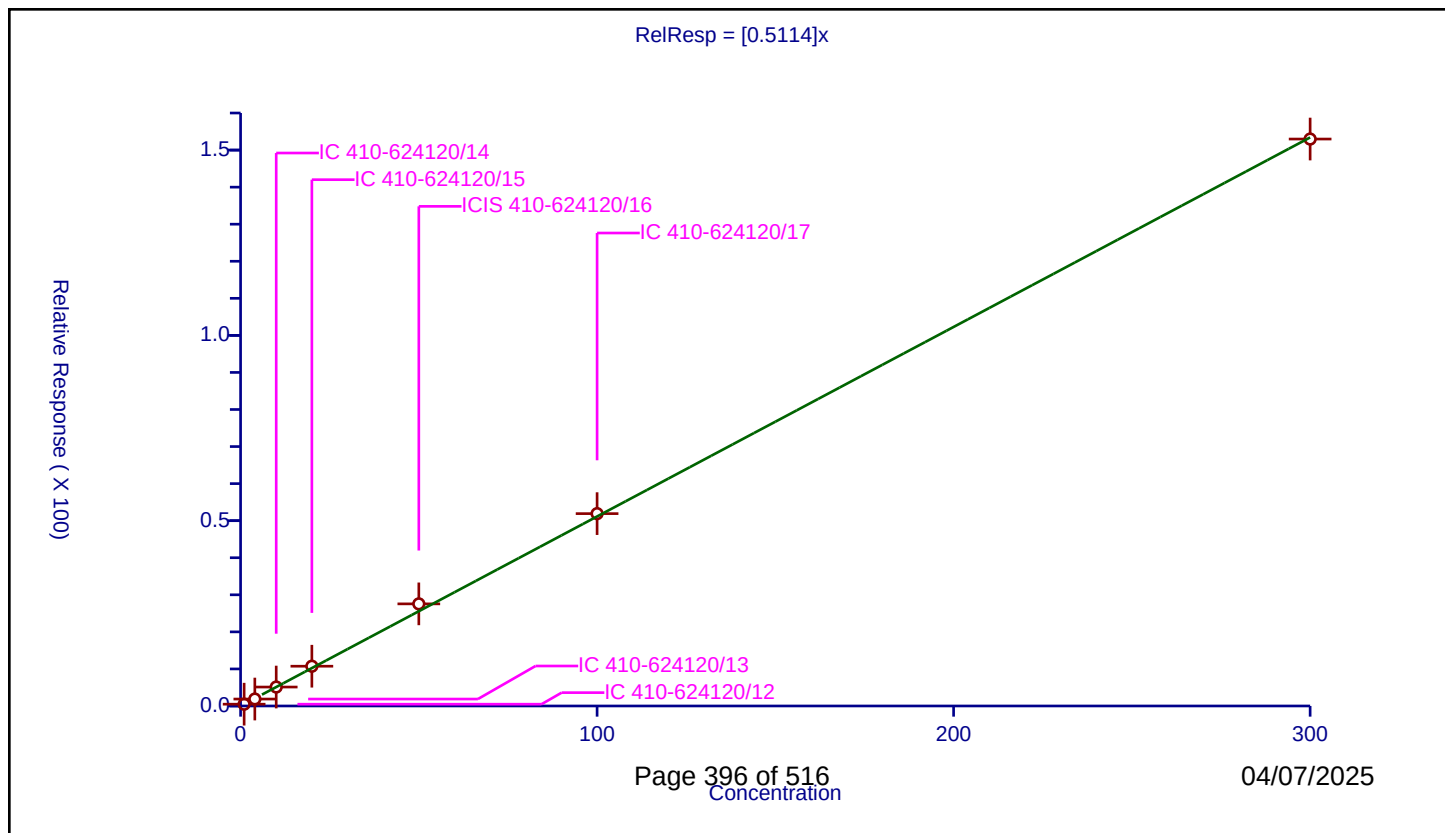
Curve Coefficients

Intercept: 0
Slope: 0.5114

Error Coefficients

Relative Standard Deviation: 5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.483663	50.0	551831.0	0.483663	Y
2	IC 410-624120/13	4.0	1.871239	50.0	579990.0	0.46781	Y
3	IC 410-624120/14	10.0	5.114481	50.0	595818.0	0.511448	Y
4	IC 410-624120/15	20.0	10.733324	50.0	603103.0	0.536666	Y
5	ICIS 410-624120/16	50.0	27.554838	50.0	619002.0	0.551097	Y
6	IC 410-624120/17	100.0	51.903012	50.0	679607.0	0.51903	Y
7	IC 410-624120/18	300.0	152.97394	50.0	749679.0	0.509913	Y



Calibration

/ Chlorobenzene

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

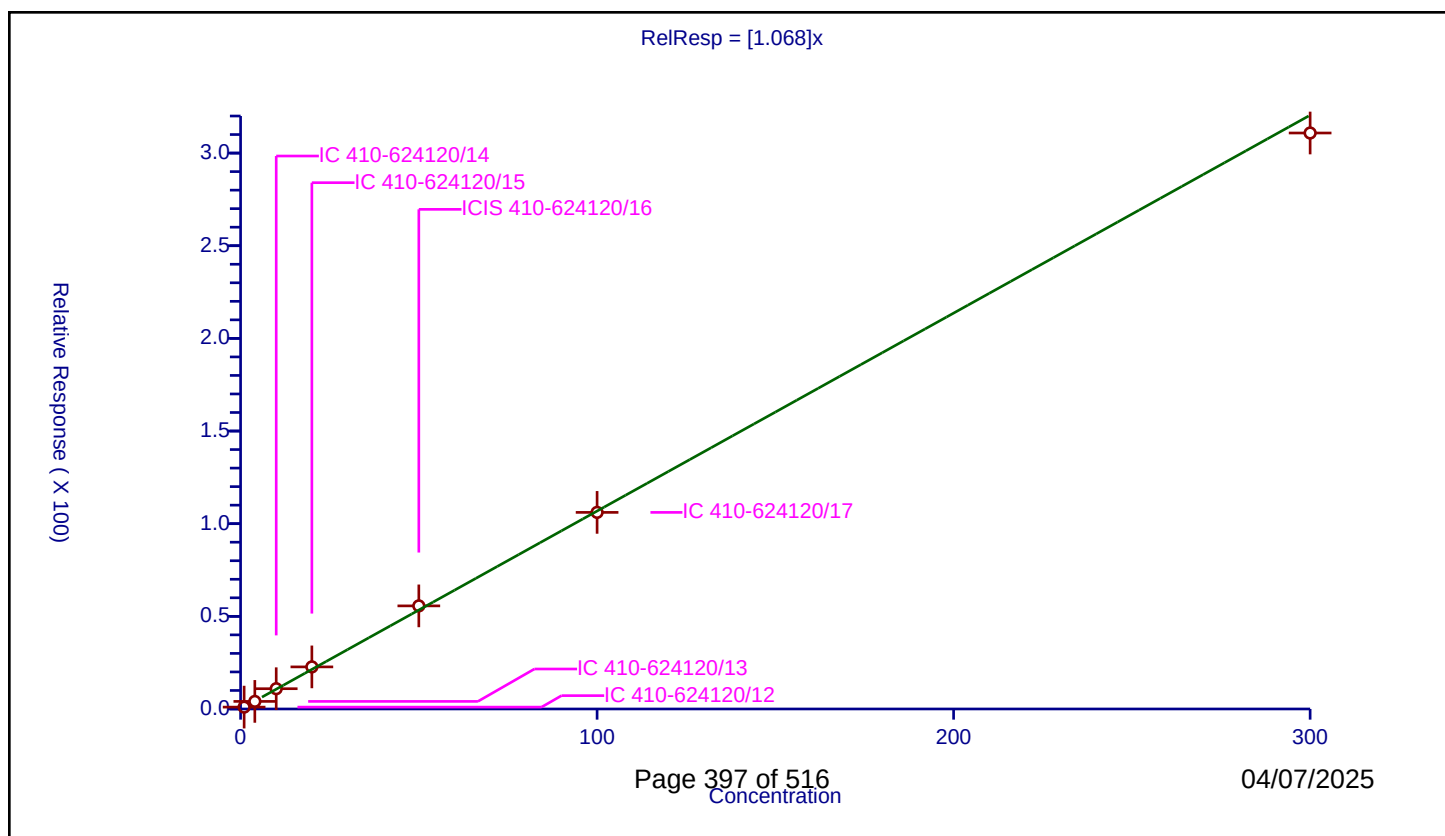
Curve Coefficients

Intercept: 0
Slope: 1.068

Error Coefficients

Relative Standard Deviation: 4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	1.01426	50.0	551831.0	1.01426	Y
2	IC 410-624120/13	4.0	4.092829	50.0	579990.0	1.023207	Y
3	IC 410-624120/14	10.0	10.94361	50.0	595818.0	1.094361	Y
4	IC 410-624120/15	20.0	22.709885	50.0	603103.0	1.135494	Y
5	ICIS 410-624120/16	50.0	55.639562	50.0	619002.0	1.112791	Y
6	IC 410-624120/17	100.0	106.102571	50.0	679607.0	1.061026	Y
7	IC 410-624120/18	300.0	310.828635	50.0	749679.0	1.036095	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

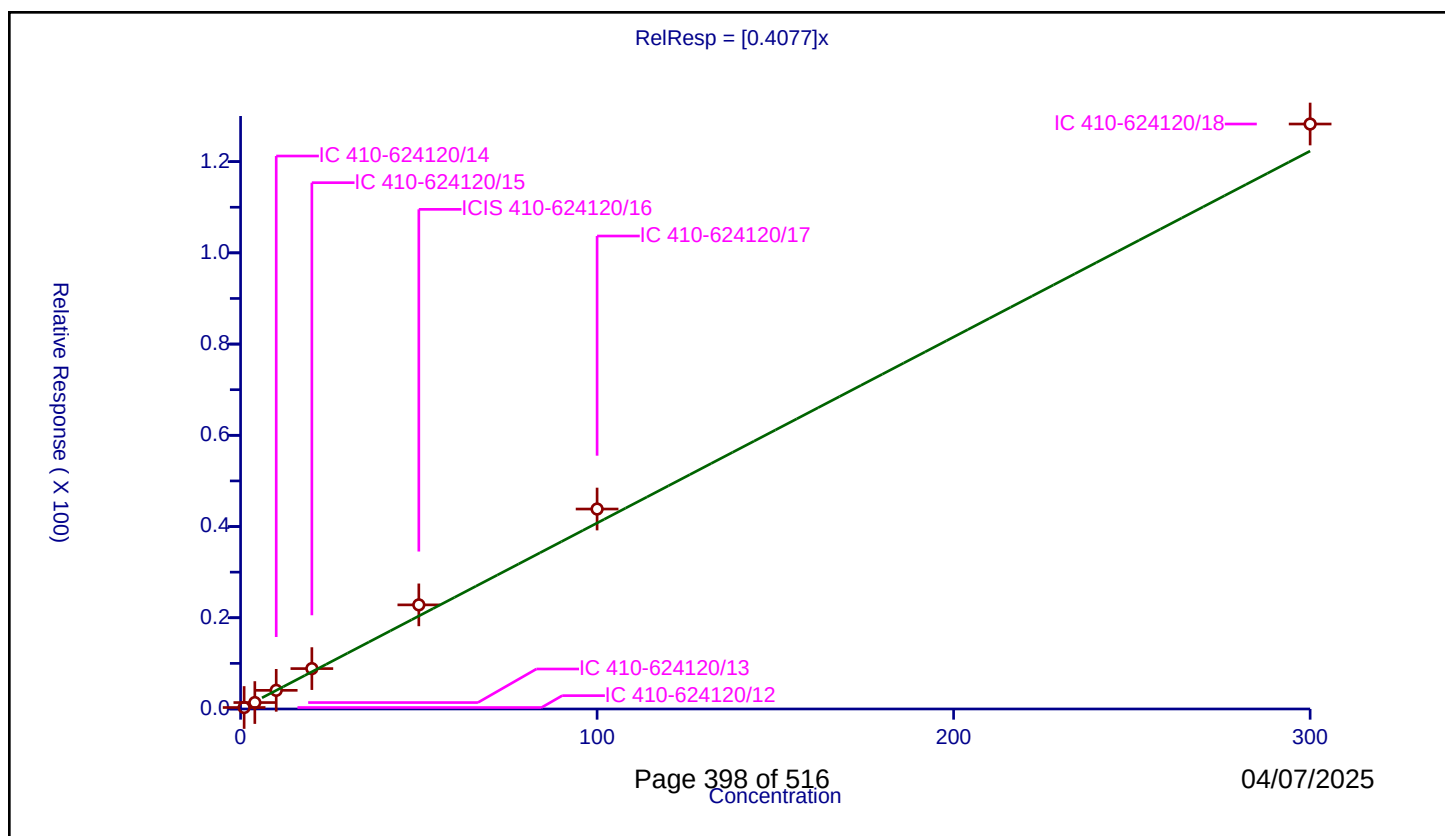
Curve Coefficients

Intercept: 0
Slope: 0.4077

Error Coefficients

Relative Standard Deviation: 12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.327093	50.0	551831.0	0.327093	Y
2	IC 410-624120/13	4.0	1.411835	50.0	579990.0	0.352959	Y
3	IC 410-624120/14	10.0	4.090091	50.0	595818.0	0.409009	Y
4	IC 410-624120/15	20.0	8.853546	50.0	603103.0	0.442677	Y
5	ICIS 410-624120/16	50.0	22.826582	50.0	619002.0	0.456532	Y
6	IC 410-624120/17	100.0	43.837321	50.0	679607.0	0.438373	Y
7	IC 410-624120/18	300.0	128.248757	50.0	749679.0	0.427496	Y



Calibration

/ Ethylbenzene

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

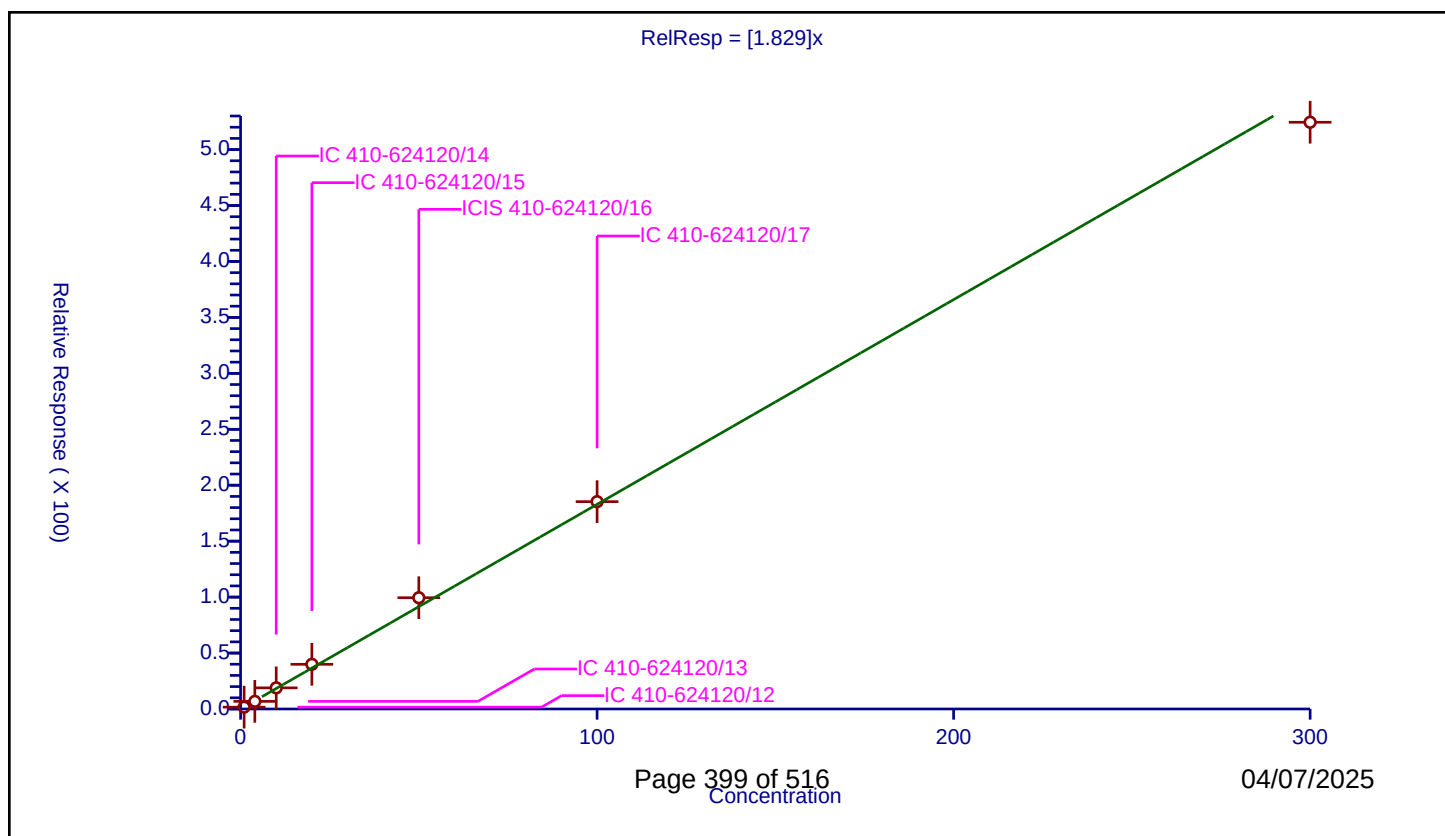
Curve Coefficients

Intercept: 0
 Slope: 1.829

Error Coefficients

Relative Standard Deviation: 7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	1.629847	50.0	551831.0	1.629847	Y
2	IC 410-624120/13	4.0	6.796669	50.0	579990.0	1.699167	Y
3	IC 410-624120/14	10.0	18.899647	50.0	595818.0	1.889965	Y
4	IC 410-624120/15	20.0	39.929747	50.0	603103.0	1.996487	Y
5	ICIS 410-624120/16	50.0	99.460341	50.0	619002.0	1.989207	Y
6	IC 410-624120/17	100.0	185.318795	50.0	679607.0	1.853188	Y
7	IC 410-624120/18	300.0	524.427989	50.0	749679.0	1.748093	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

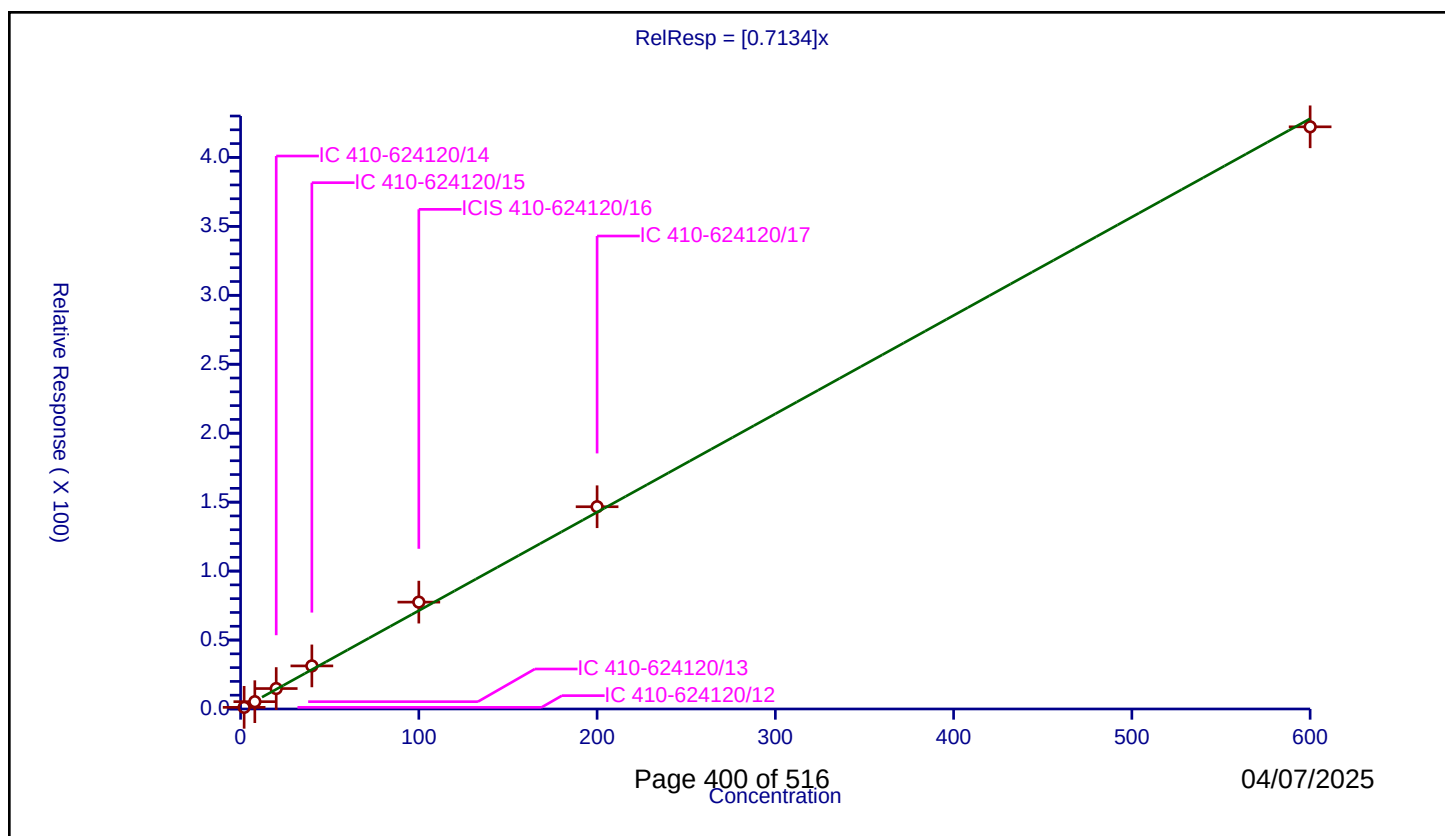
Curve Coefficients

Intercept: 0
Slope: 0.7134

Error Coefficients

Relative Standard Deviation: 9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	2.0	1.193753	50.0	551831.0	0.596877	Y
2	IC 410-624120/13	8.0	5.306557	50.0	579990.0	0.66332	Y
3	IC 410-624120/14	20.0	14.821808	50.0	595818.0	0.74109	Y
4	IC 410-624120/15	40.0	31.2343	50.0	603103.0	0.780857	Y
5	ICIS 410-624120/16	100.0	77.504435	50.0	619002.0	0.775044	Y
6	IC 410-624120/17	200.0	146.667044	50.0	679607.0	0.733335	Y
7	IC 410-624120/18	600.0	422.168555	50.0	749679.0	0.703614	Y



Calibration

/ n-Butyl acrylate

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

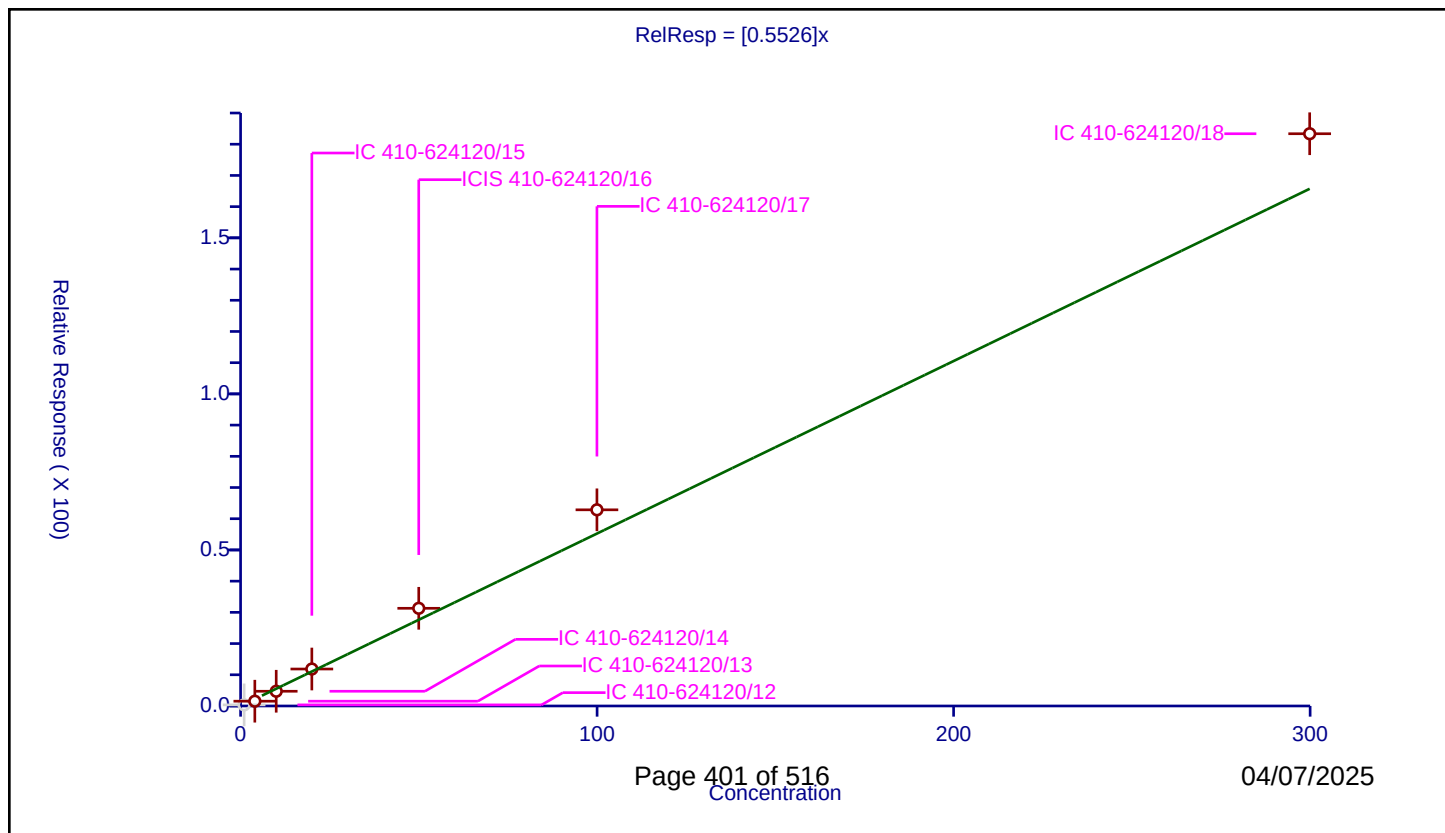
Curve Coefficients

Intercept: 0
Slope: 0.5526

Error Coefficients

Relative Standard Deviation: 18.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	0.999582	0.354909	50.0	551831.0	0.355058	N
2	IC 410-624120/13	3.99833	1.535975	50.0	579990.0	0.384154	Y
3	IC 410-624120/14	9.995824	4.719562	50.0	595818.0	0.472153	Y
4	IC 410-624120/15	19.991648	11.850132	50.0	603103.0	0.592754	Y
5	ICIS 410-624120/16	49.97912	31.302968	50.0	619002.0	0.626321	Y
6	IC 410-624120/17	99.95824	62.854414	50.0	679607.0	0.628807	Y
7	IC 410-624120/18	299.87472	183.361412	50.0	749679.0	0.61146	Y



Calibration

/ o-Xylene

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

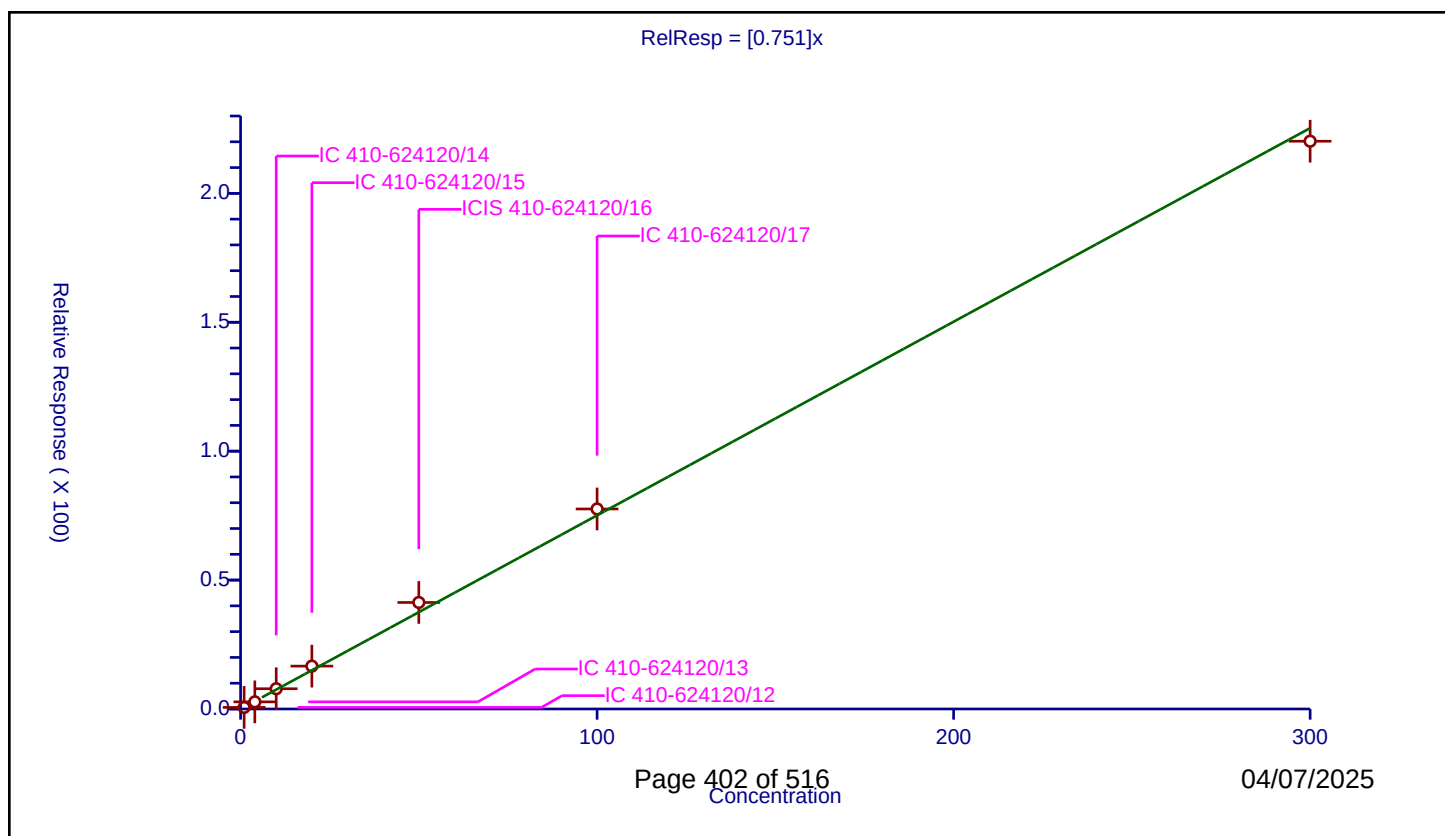
Curve Coefficients

Intercept: 0
Slope: 0.751

Error Coefficients

Relative Standard Deviation: 10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.61305	50.0	551831.0	0.61305	Y
2	IC 410-624120/13	4.0	2.763151	50.0	579990.0	0.690788	Y
3	IC 410-624120/14	10.0	7.856342	50.0	595818.0	0.785634	Y
4	IC 410-624120/15	20.0	16.62643	50.0	603103.0	0.831322	Y
5	ICIS 410-624120/16	50.0	41.321272	50.0	619002.0	0.826425	Y
6	IC 410-624120/17	100.0	77.578144	50.0	679607.0	0.775781	Y
7	IC 410-624120/18	300.0	220.230459	50.0	749679.0	0.734102	Y

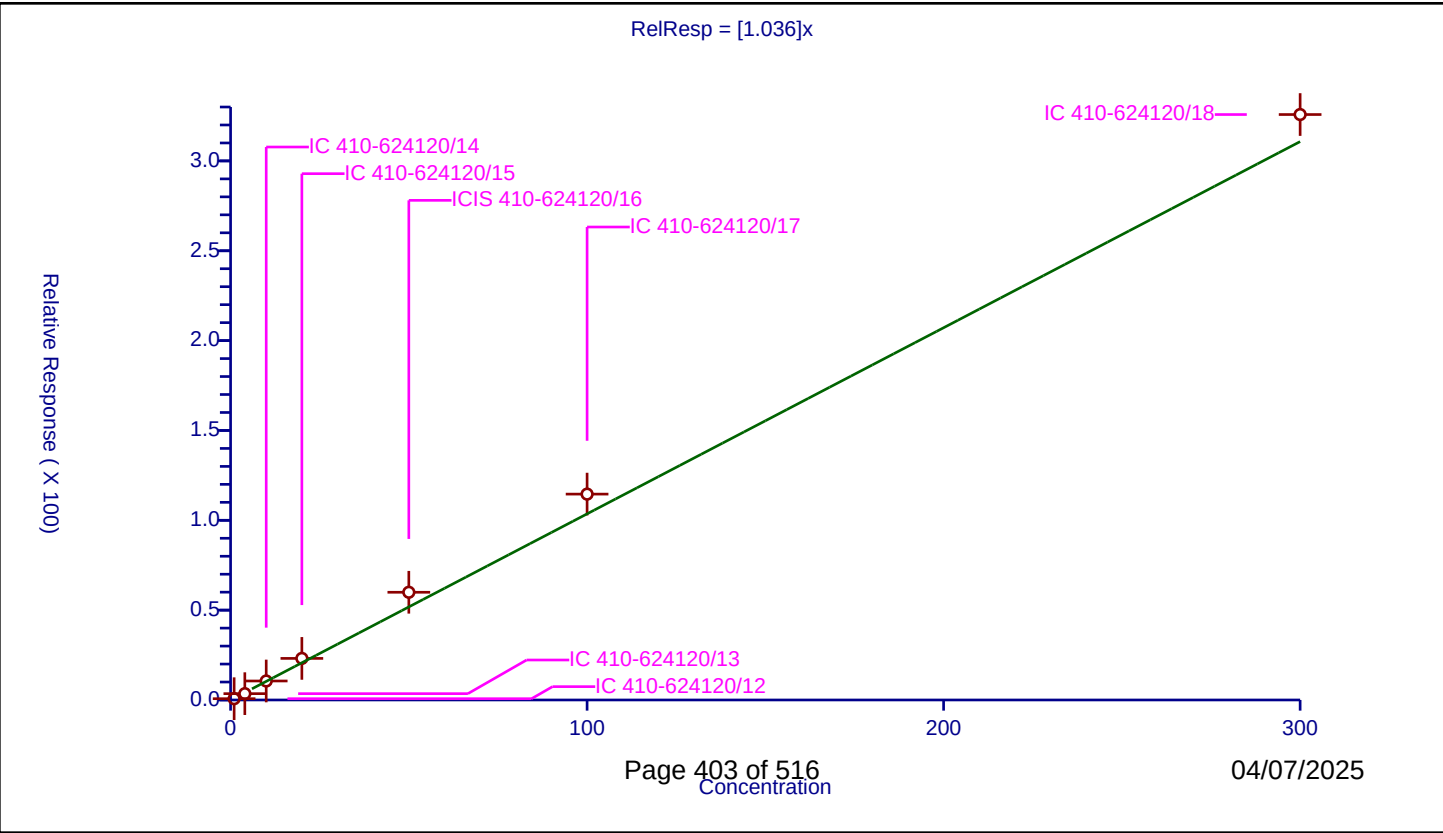


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.036

Error Coefficients	
Relative Standard Deviation:	16.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.72495	50.0	551831.0	0.72495	Y
2	IC 410-624120/13	4.0	3.523854	50.0	579990.0	0.880963	Y
3	IC 410-624120/14	10.0	10.567489	50.0	595818.0	1.056749	Y
4	IC 410-624120/15	20.0	23.145963	50.0	603103.0	1.157298	Y
5	ICIS 410-624120/16	50.0	59.95223	50.0	619002.0	1.199045	Y
6	IC 410-624120/17	100.0	114.574894	50.0	679607.0	1.145749	Y
7	IC 410-624120/18	300.0	325.815716	50.0	749679.0	1.086052	Y



Calibration

/ Bromoform

Curve Type: Linear
 Weighting: None
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

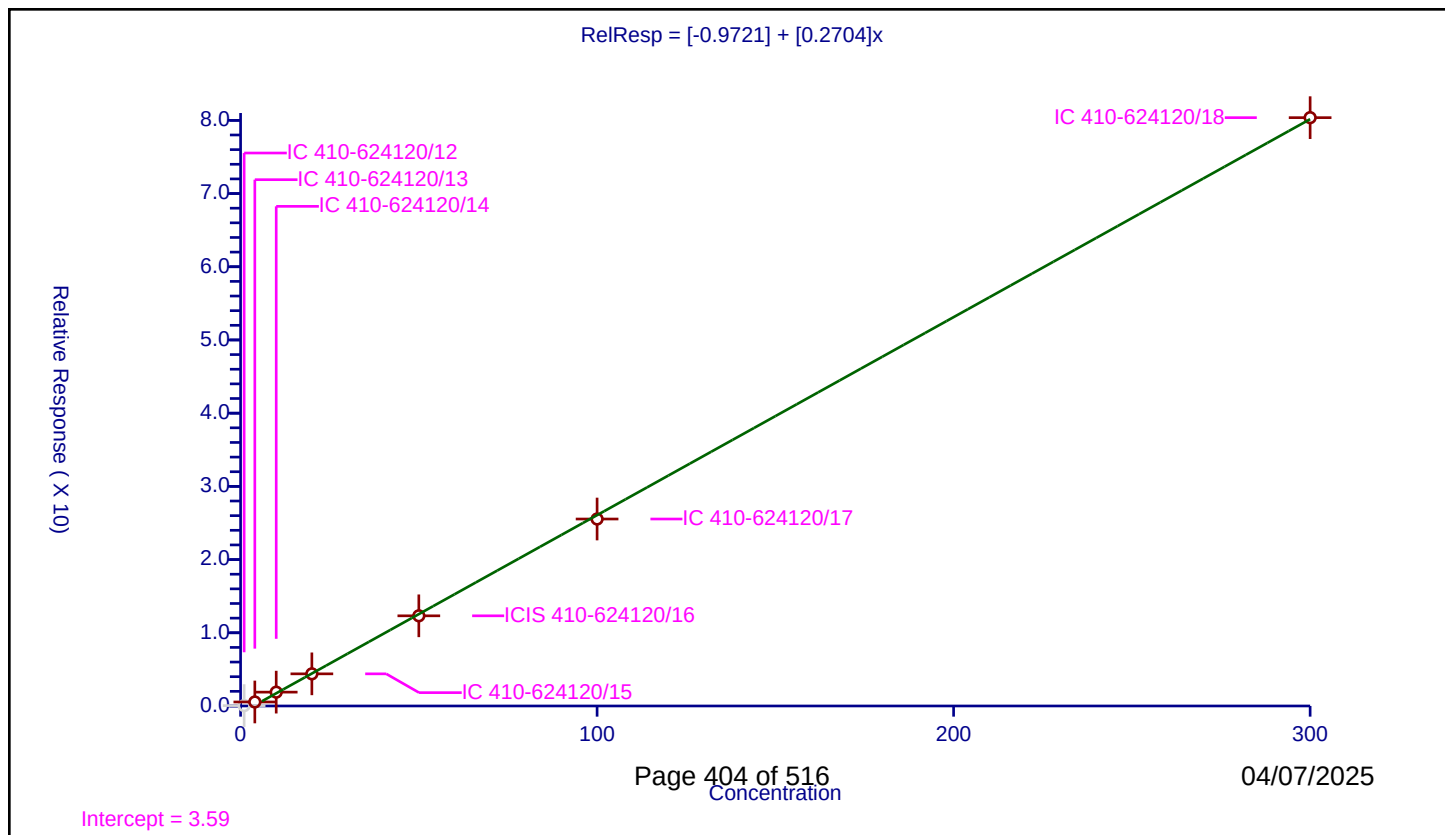
Curve Coefficients

Intercept: -0.9721
 Slope: 0.2704

Error Coefficients

Relative Standard Deviation: 20.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.054093	50.0	551831.0	0.054093	N
2	IC 410-624120/13	4.0	0.549578	50.0	579990.0	0.137395	Y
3	IC 410-624120/14	10.0	1.89051	50.0	595818.0	0.189051	Y
4	IC 410-624120/15	20.0	4.392948	50.0	603103.0	0.219647	Y
5	ICIS 410-624120/16	50.0	12.318215	50.0	619002.0	0.246364	Y
6	IC 410-624120/17	100.0	25.5416	50.0	679607.0	0.255416	Y
7	IC 410-624120/18	300.0	80.366263	50.0	749679.0	0.267888	Y



Calibration

/ Isopropylbenzene

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

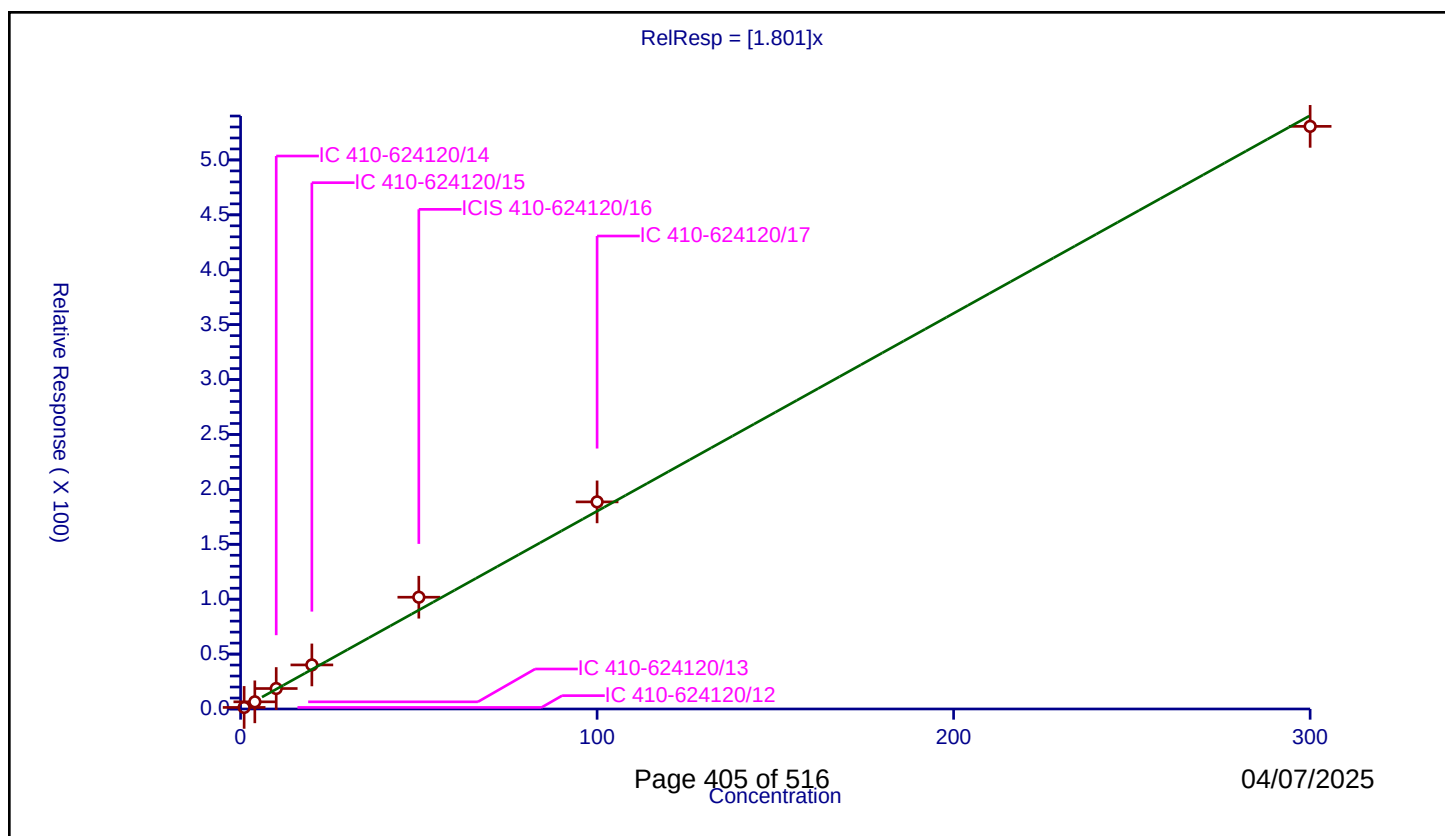
Curve Coefficients

Intercept: 0
 Slope: 1.801

Error Coefficients

Relative Standard Deviation: 12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	1.416829	50.0	551831.0	1.416829	Y
2	IC 410-624120/13	4.0	6.525371	50.0	579990.0	1.631343	Y
3	IC 410-624120/14	10.0	18.649571	50.0	595818.0	1.864957	Y
4	IC 410-624120/15	20.0	40.133941	50.0	603103.0	2.006697	Y
5	ICIS 410-624120/16	50.0	101.796117	50.0	619002.0	2.035922	Y
6	IC 410-624120/17	100.0	188.616362	50.0	679607.0	1.886164	Y
7	IC 410-624120/18	300.0	530.572618	50.0	749679.0	1.768575	Y



Calibration

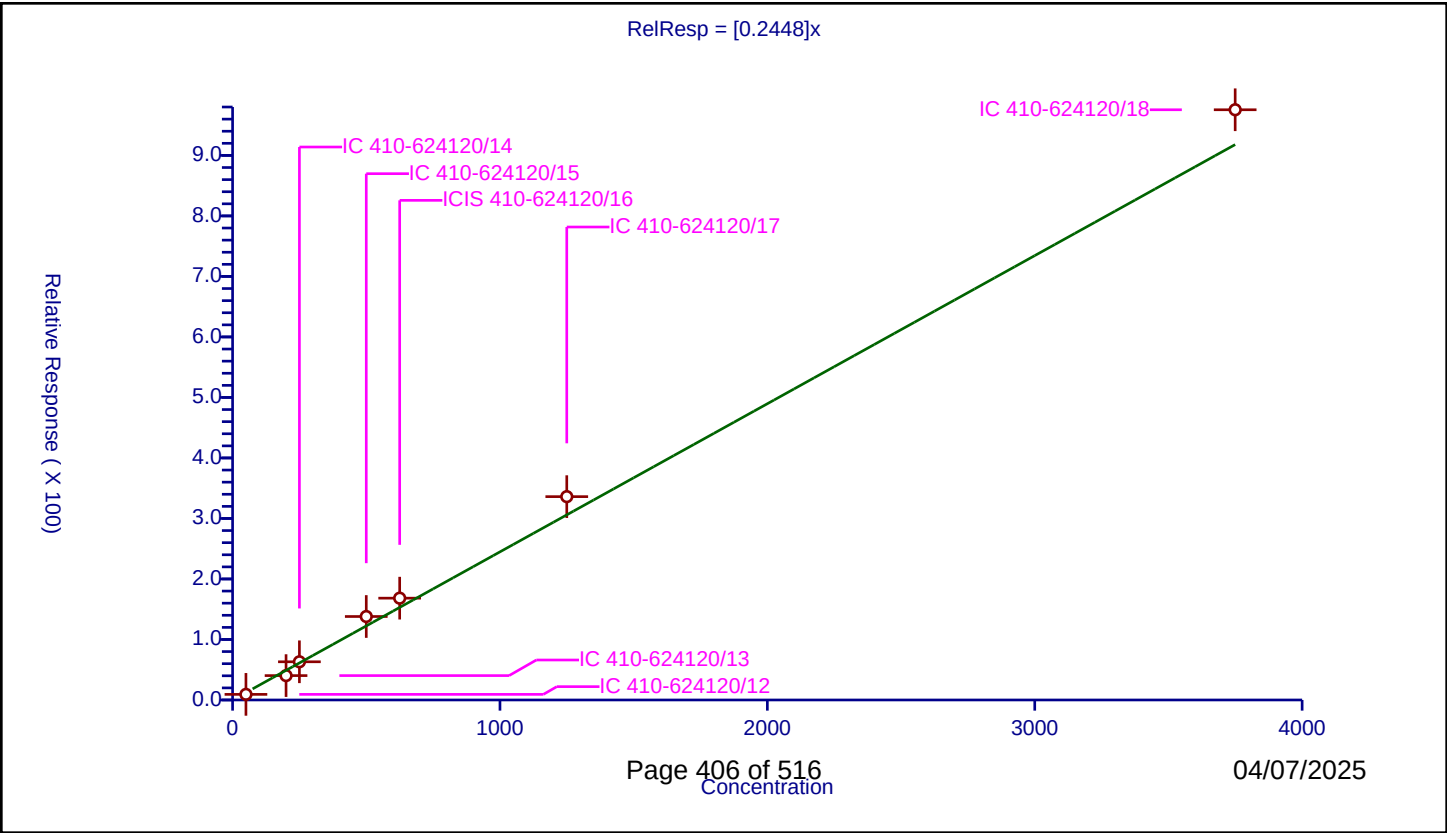
/ Cyclohexanone

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

Curve Coefficients	
Intercept:	0
Slope:	0.2448
Error Coefficients	

Relative Standard Deviation: 14.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	49.995598	9.265536	250.0	309777.0	0.185327	Y
2	IC 410-624120/13	199.982394	40.284824	250.0	329783.0	0.201442	Y
3	IC 410-624120/14	249.977992	63.133793	250.0	333015.0	0.252557	Y
4	IC 410-624120/15	499.955984	137.957556	250.0	331544.0	0.275939	Y
5	ICIS 410-624120/16	624.94498	168.289442	250.0	332301.0	0.269287	Y
6	IC 410-624120/17	1249.88996	336.076328	250.0	354023.0	0.268885	Y
7	IC 410-624120/18	3749.66988	975.480475	250.0	361569.0	0.260151	Y



Calibration

/ 4-Bromofluorobenzene (Surr)

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

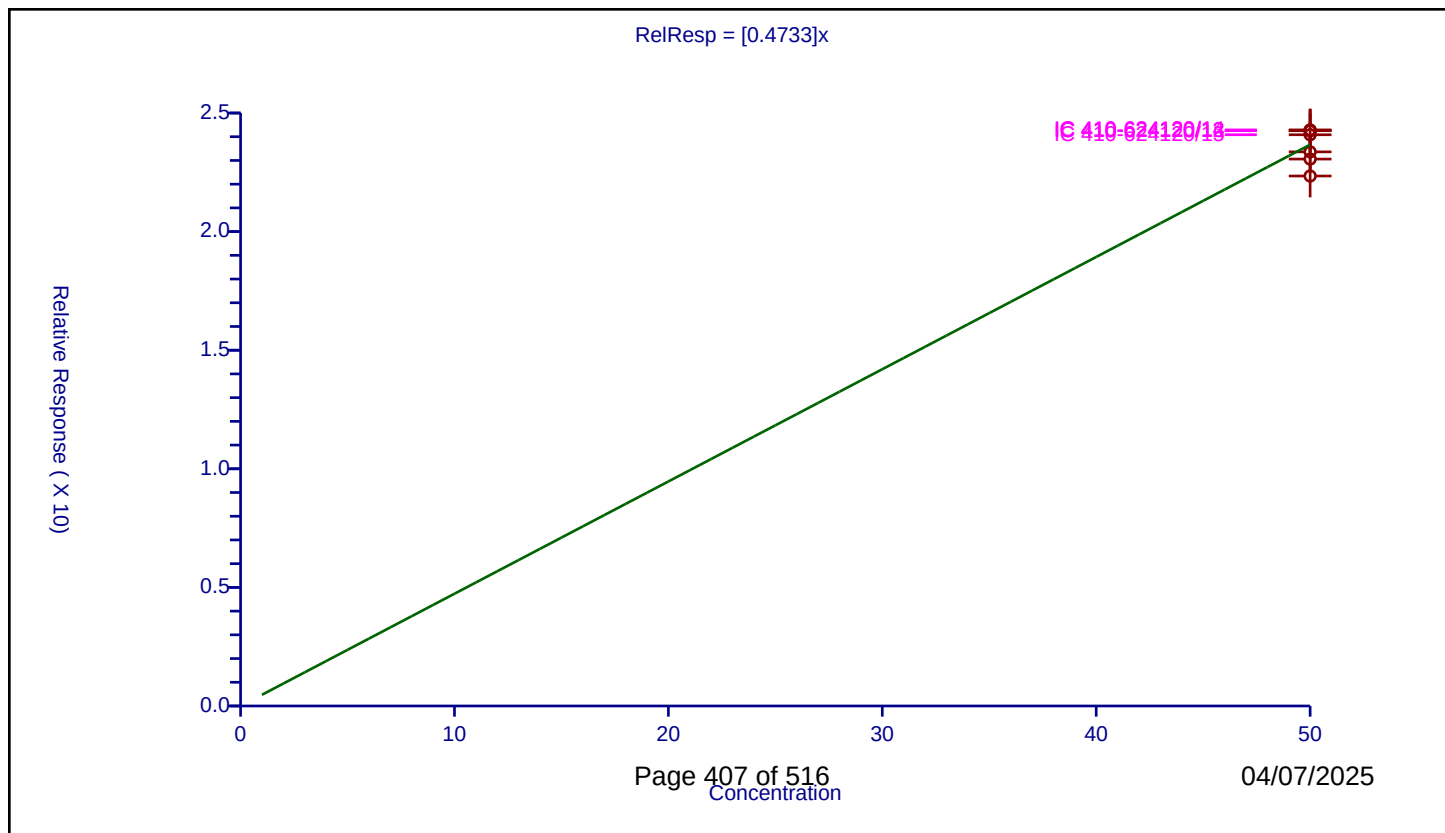
Curve Coefficients

Intercept: 0
Slope: 0.4733

Error Coefficients

Relative Standard Deviation: 3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	50.0	24.255071	50.0	551831.0	0.485101	Y
2	IC 410-624120/13	50.0	24.254987	50.0	579990.0	0.4851	Y
3	IC 410-624120/14	50.0	24.288625	50.0	595818.0	0.485773	Y
4	IC 410-624120/15	50.0	24.083366	50.0	603103.0	0.481667	Y
5	ICIS 410-624120/16	50.0	23.362364	50.0	619002.0	0.467247	Y
6	IC 410-624120/17	50.0	23.057958	50.0	679607.0	0.461159	Y
7	IC 410-624120/18	50.0	22.344163	50.0	749679.0	0.446883	Y



Calibration

/ 1,1,2,2-Tetrachloroethane

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

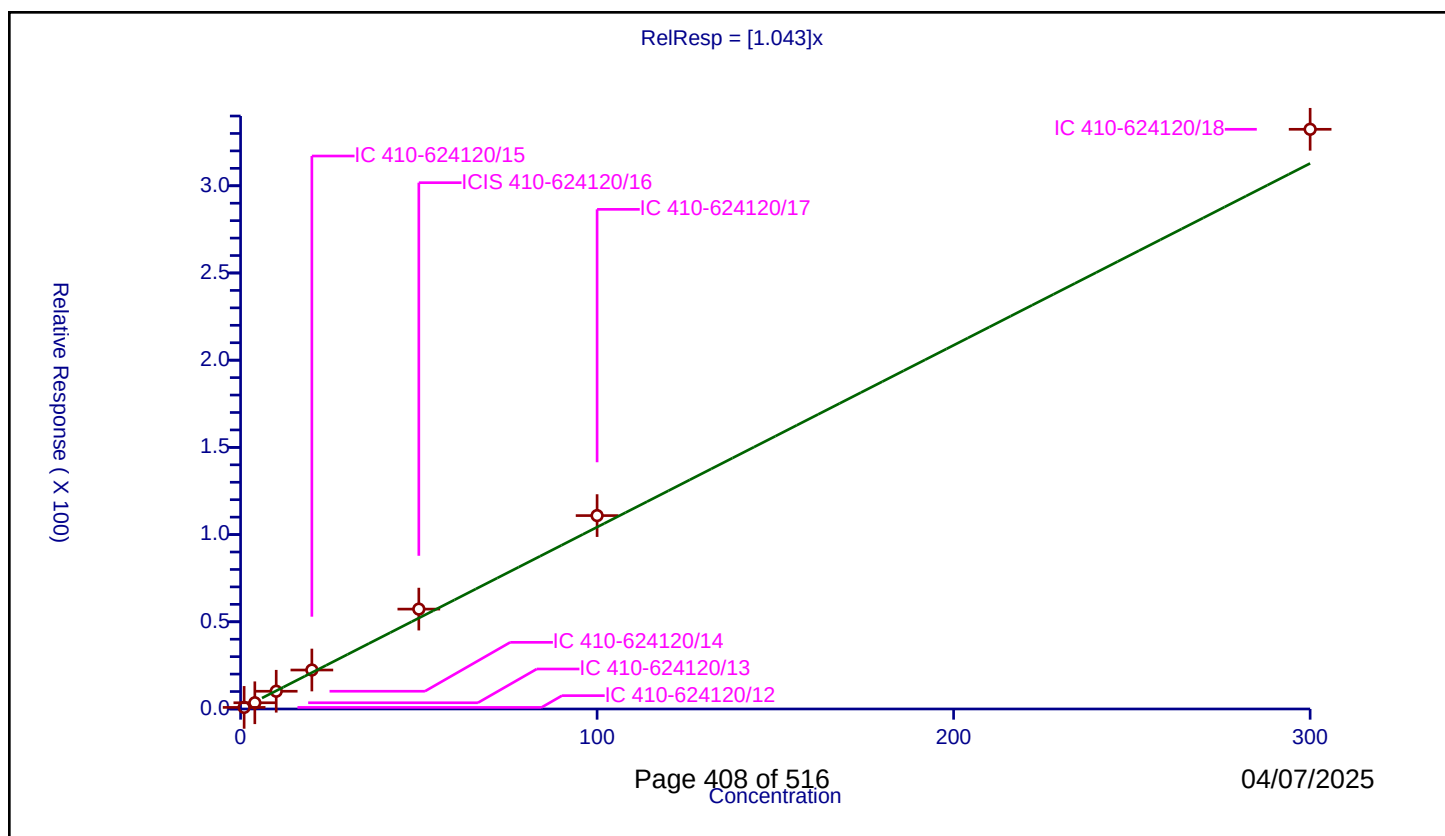
Curve Coefficients

Intercept: 0
Slope: 1.043

Error Coefficients

Relative Standard Deviation: 10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.910526	50.0	305318.0	0.910526	Y
2	IC 410-624120/13	4.0	3.567162	50.0	318068.0	0.89179	Y
3	IC 410-624120/14	10.0	10.171918	50.0	328704.0	1.017192	Y
4	IC 410-624120/15	20.0	22.351525	50.0	324432.0	1.117576	Y
5	ICIS 410-624120/16	50.0	57.270824	50.0	320507.0	1.145416	Y
6	IC 410-624120/17	100.0	110.898634	50.0	345057.0	1.108986	Y
7	IC 410-624120/18	300.0	332.390674	50.0	365102.0	1.107969	Y



Calibration

/ Bromobenzene

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

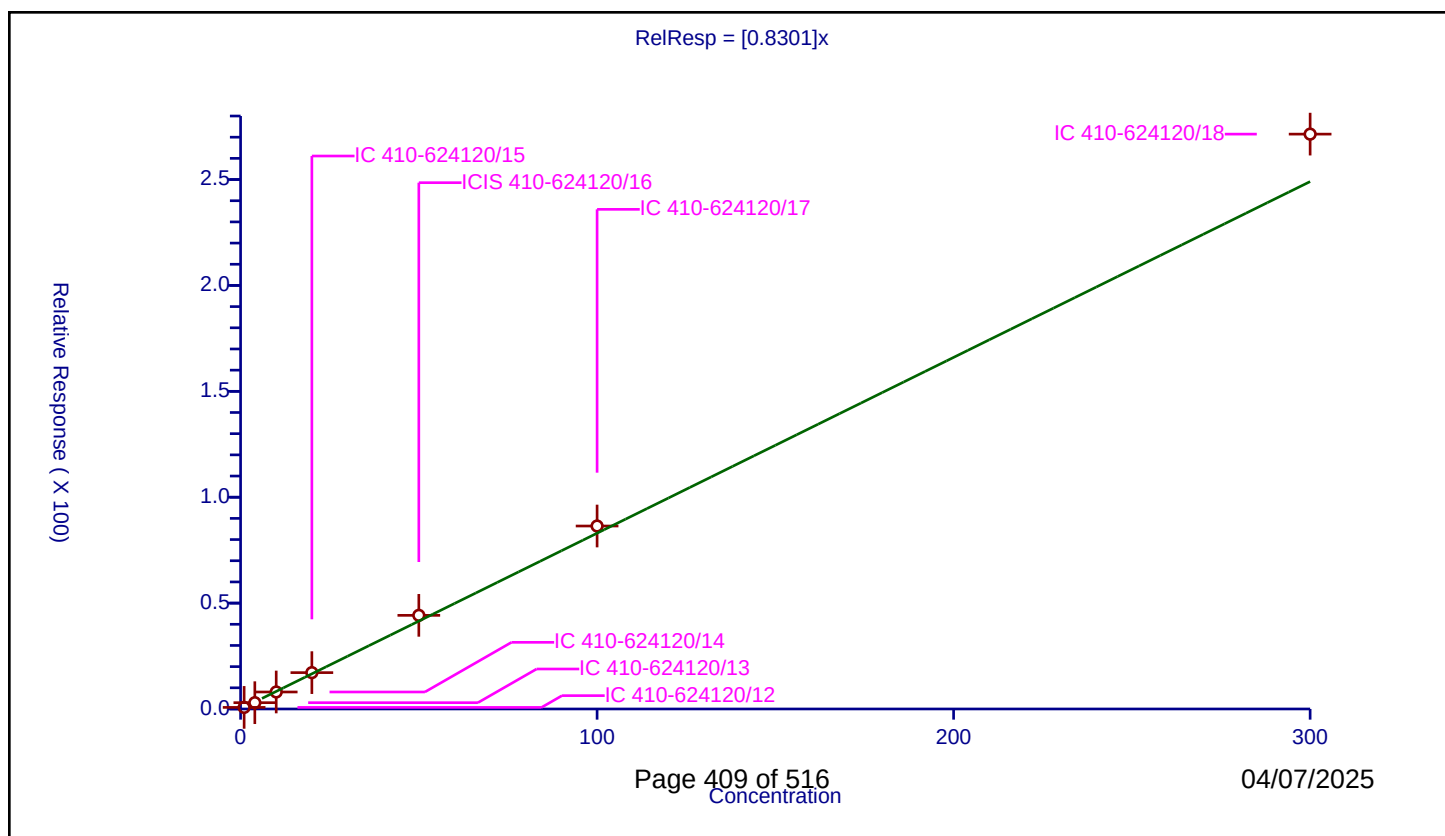
Curve Coefficients

Intercept: 0
Slope: 0.8301

Error Coefficients

Relative Standard Deviation: 7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.750856	50.0	305318.0	0.750856	Y
2	IC 410-624120/13	4.0	2.98301	50.0	318068.0	0.745752	Y
3	IC 410-624120/14	10.0	8.025458	50.0	328704.0	0.802546	Y
4	IC 410-624120/15	20.0	17.166309	50.0	324432.0	0.858315	Y
5	ICIS 410-624120/16	50.0	44.222591	50.0	320507.0	0.884452	Y
6	IC 410-624120/17	100.0	86.39761	50.0	345057.0	0.863976	Y
7	IC 410-624120/18	300.0	271.454005	50.0	365102.0	0.904847	Y



Calibration

/ trans-1,4-Dichloro-2-butene

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

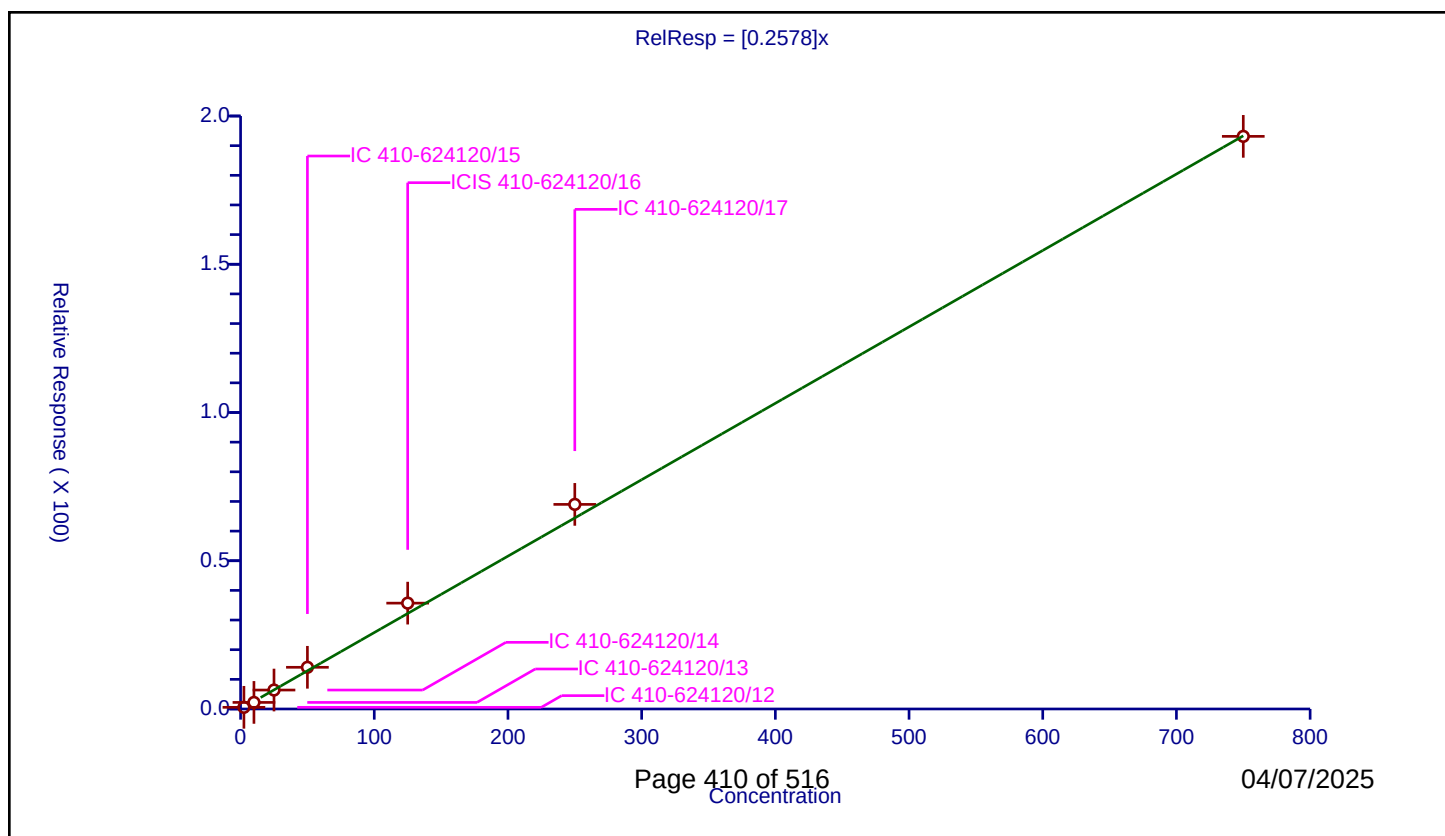
Curve Coefficients

Intercept: 0
Slope: 0.2578

Error Coefficients

Relative Standard Deviation: 9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	2.5	0.565804	50.0	305318.0	0.226321	Y
2	IC 410-624120/13	10.0	2.220594	50.0	318068.0	0.222059	Y
3	IC 410-624120/14	25.0	6.387966	50.0	328704.0	0.255519	Y
4	IC 410-624120/15	50.0	14.059495	50.0	324432.0	0.28119	Y
5	ICIS 410-624120/16	125.0	35.706864	50.0	320507.0	0.285655	Y
6	IC 410-624120/17	250.0	69.003817	50.0	345057.0	0.276015	Y
7	IC 410-624120/18	750.0	193.137945	50.0	365102.0	0.257517	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

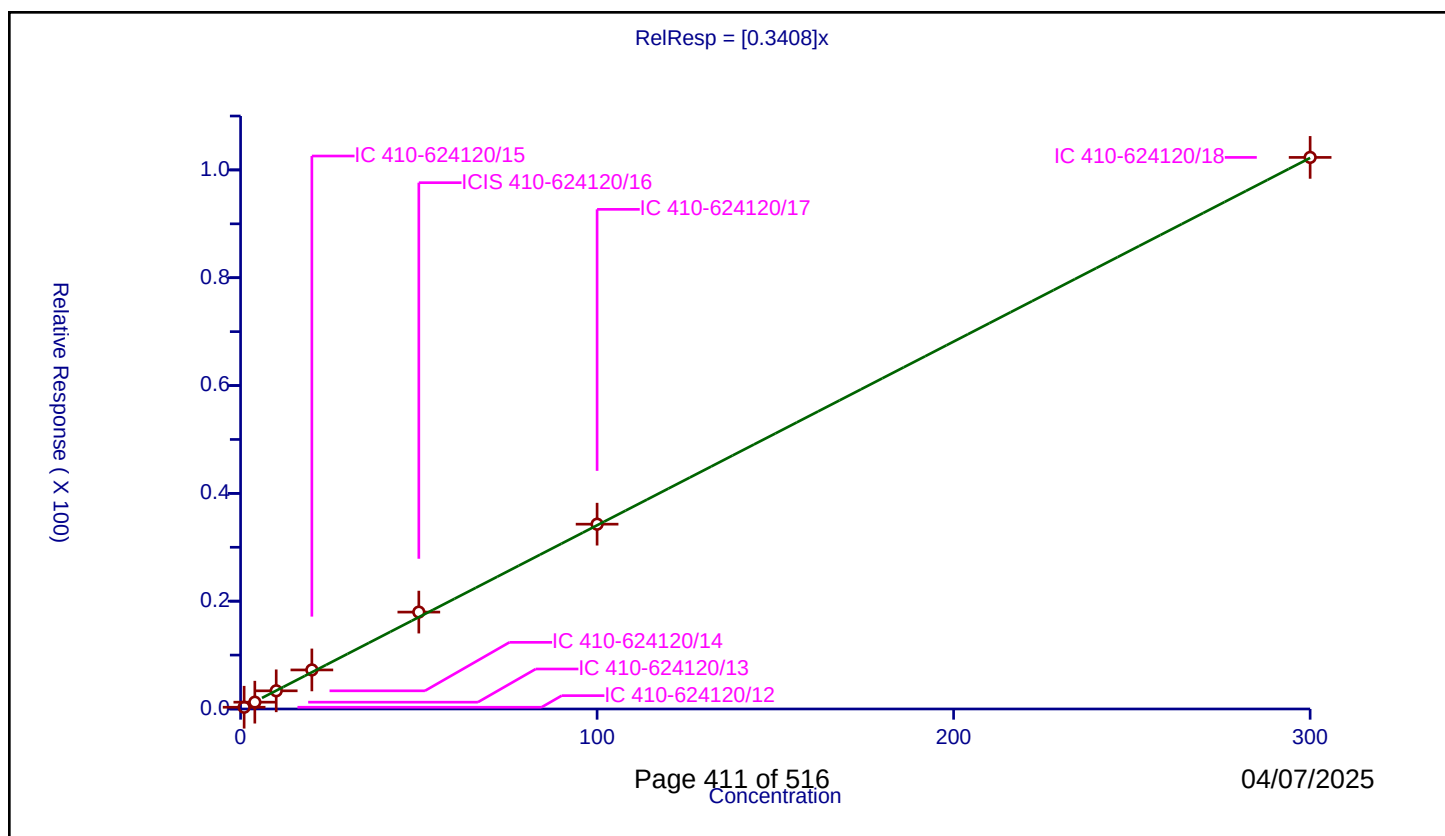
Curve Coefficients

Intercept: 0
Slope: 0.3408

Error Coefficients

Relative Standard Deviation: 4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.32589	50.0	305318.0	0.32589	Y
2	IC 410-624120/13	4.0	1.266239	50.0	318068.0	0.31656	Y
3	IC 410-624120/14	10.0	3.37127	50.0	328704.0	0.337127	Y
4	IC 410-624120/15	20.0	7.246819	50.0	324432.0	0.362341	Y
5	ICIS 410-624120/16	50.0	17.975114	50.0	320507.0	0.359502	Y
6	IC 410-624120/17	100.0	34.284046	50.0	345057.0	0.34284	Y
7	IC 410-624120/18	300.0	102.320995	50.0	365102.0	0.34107	Y



Calibration

/ N-Propylbenzene

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

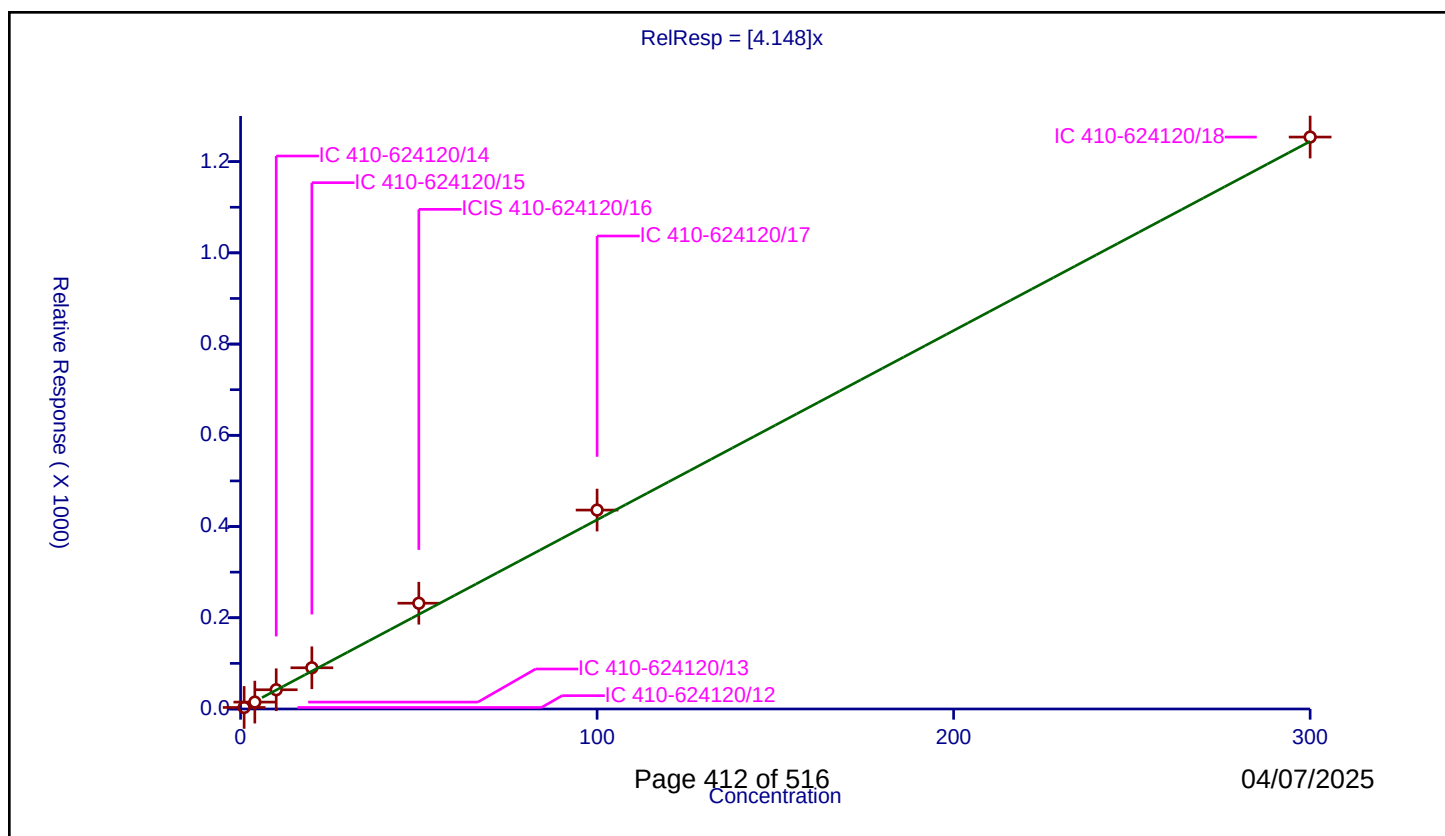
Curve Coefficients

Intercept: 0
Slope: 4.148

Error Coefficients

Relative Standard Deviation: 10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	3.340943	50.0	305318.0	3.340943	Y
2	IC 410-624120/13	4.0	15.125539	50.0	318068.0	3.781385	Y
3	IC 410-624120/14	10.0	42.159968	50.0	328704.0	4.215997	Y
4	IC 410-624120/15	20.0	90.379494	50.0	324432.0	4.518975	Y
5	ICIS 410-624120/16	50.0	231.861551	50.0	320507.0	4.637231	Y
6	IC 410-624120/17	100.0	436.12722	50.0	345057.0	4.361272	Y
7	IC 410-624120/18	300.0	1253.872479	50.0	365102.0	4.179575	Y



Calibration

/ 2-Chlorotoluene

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

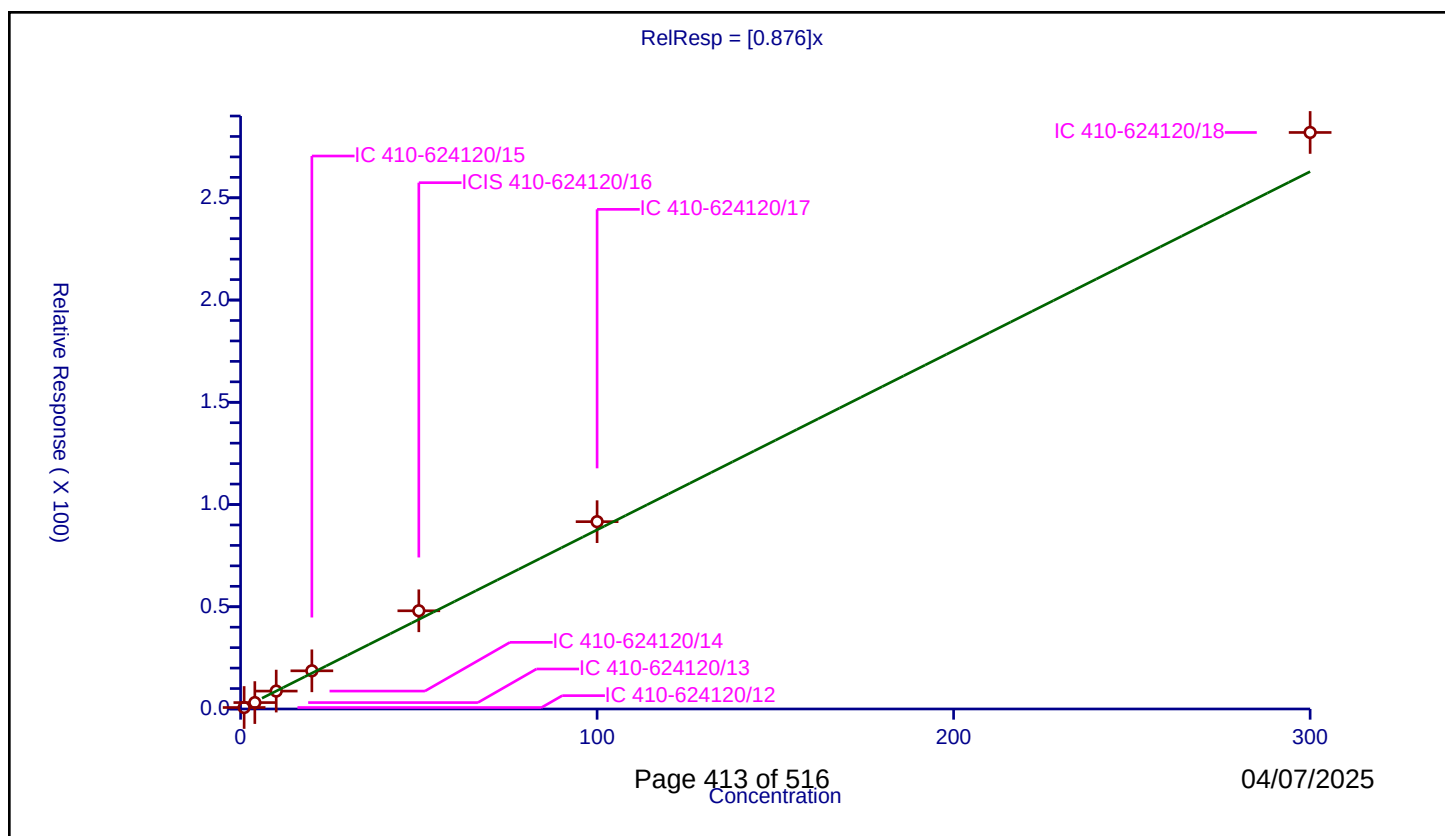
Curve Coefficients

Intercept: 0
Slope: 0.876

Error Coefficients

Relative Standard Deviation: 10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.722853	50.0	305318.0	0.722853	Y
2	IC 410-624120/13	4.0	3.136279	50.0	318068.0	0.78407	Y
3	IC 410-624120/14	10.0	8.752403	50.0	328704.0	0.87524	Y
4	IC 410-624120/15	20.0	18.673405	50.0	324432.0	0.93367	Y
5	ICIS 410-624120/16	50.0	48.020012	50.0	320507.0	0.9604	Y
6	IC 410-624120/17	100.0	91.610951	50.0	345057.0	0.91611	Y
7	IC 410-624120/18	300.0	281.95025	50.0	365102.0	0.939834	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

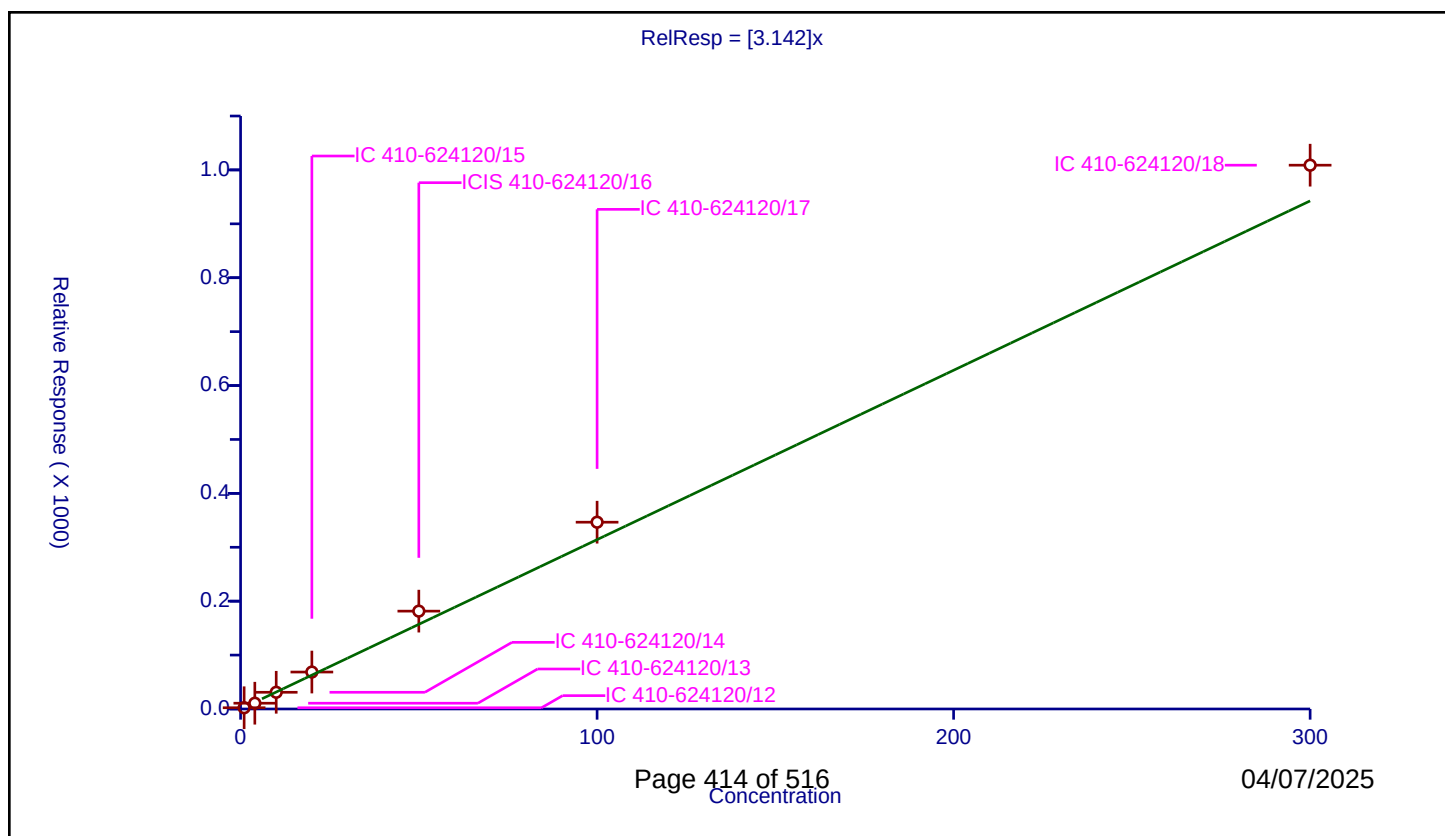
Curve Coefficients

Intercept: 0
Slope: 3.142

Error Coefficients

Relative Standard Deviation: 15.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	2.323479	50.0	305318.0	2.323479	Y
2	IC 410-624120/13	4.0	10.732139	50.0	318068.0	2.683035	Y
3	IC 410-624120/14	10.0	31.007837	50.0	328704.0	3.100784	Y
4	IC 410-624120/15	20.0	68.539324	50.0	324432.0	3.426966	Y
5	ICIS 410-624120/16	50.0	181.542993	50.0	320507.0	3.63086	Y
6	IC 410-624120/17	100.0	346.519705	50.0	345057.0	3.465197	Y
7	IC 410-624120/18	300.0	1008.781245	50.0	365102.0	3.362604	Y



Calibration

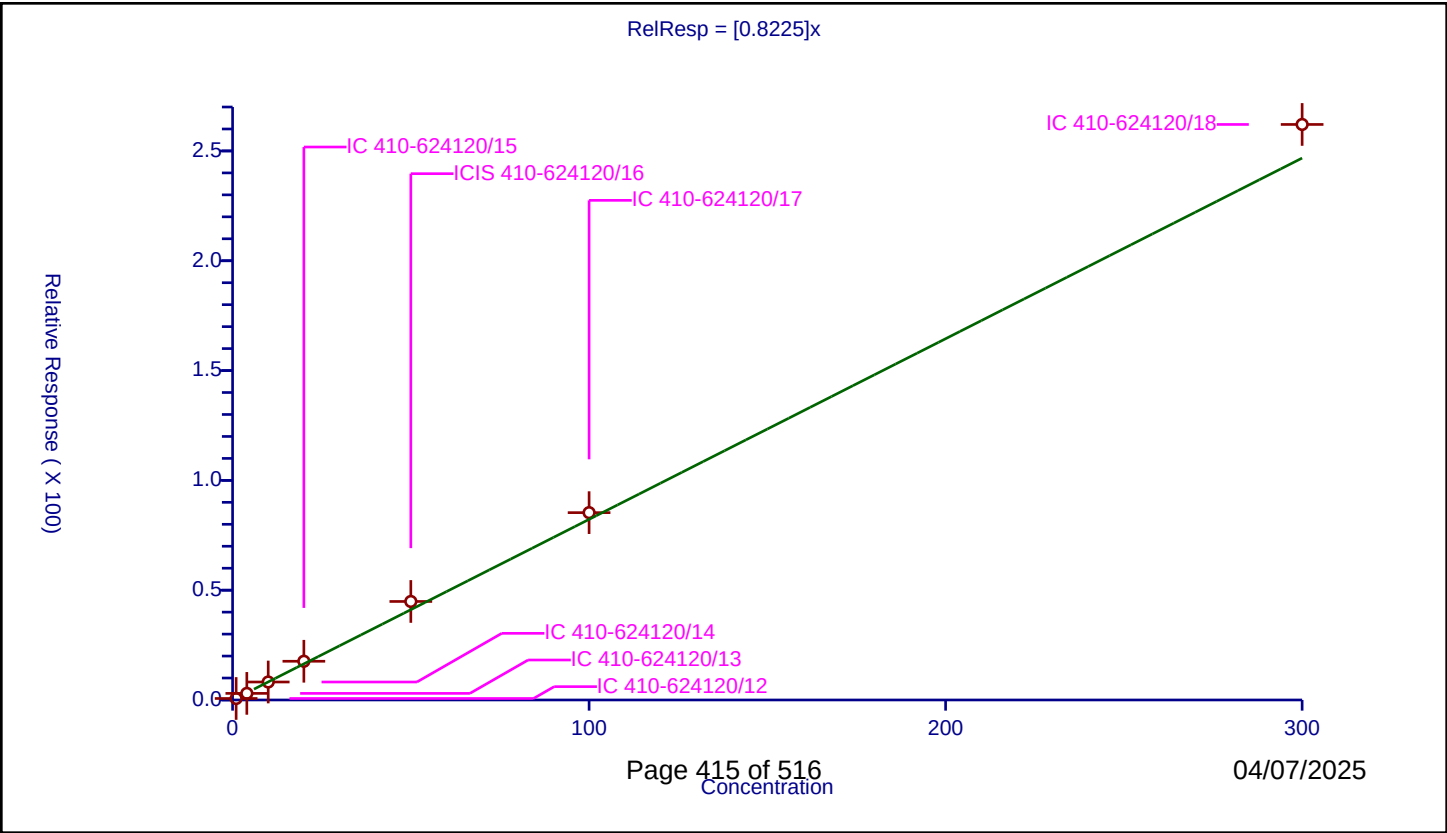
/ 4-Chlorotoluene

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

Curve Coefficients	
Intercept:	0
Slope:	0.8225
Error Coefficients	

Relative Standard Deviation: 9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.680438	50.0	305318.0	0.680438	Y
2	IC 410-624120/13	4.0	3.007533	50.0	318068.0	0.751883	Y
3	IC 410-624120/14	10.0	8.194302	50.0	328704.0	0.81943	Y
4	IC 410-624120/15	20.0	17.637903	50.0	324432.0	0.881895	Y
5	ICIS 410-624120/16	50.0	44.855339	50.0	320507.0	0.897107	Y
6	IC 410-624120/17	100.0	85.302283	50.0	345057.0	0.853023	Y
7	IC 410-624120/18	300.0	262.058685	50.0	365102.0	0.873529	Y



Calibration

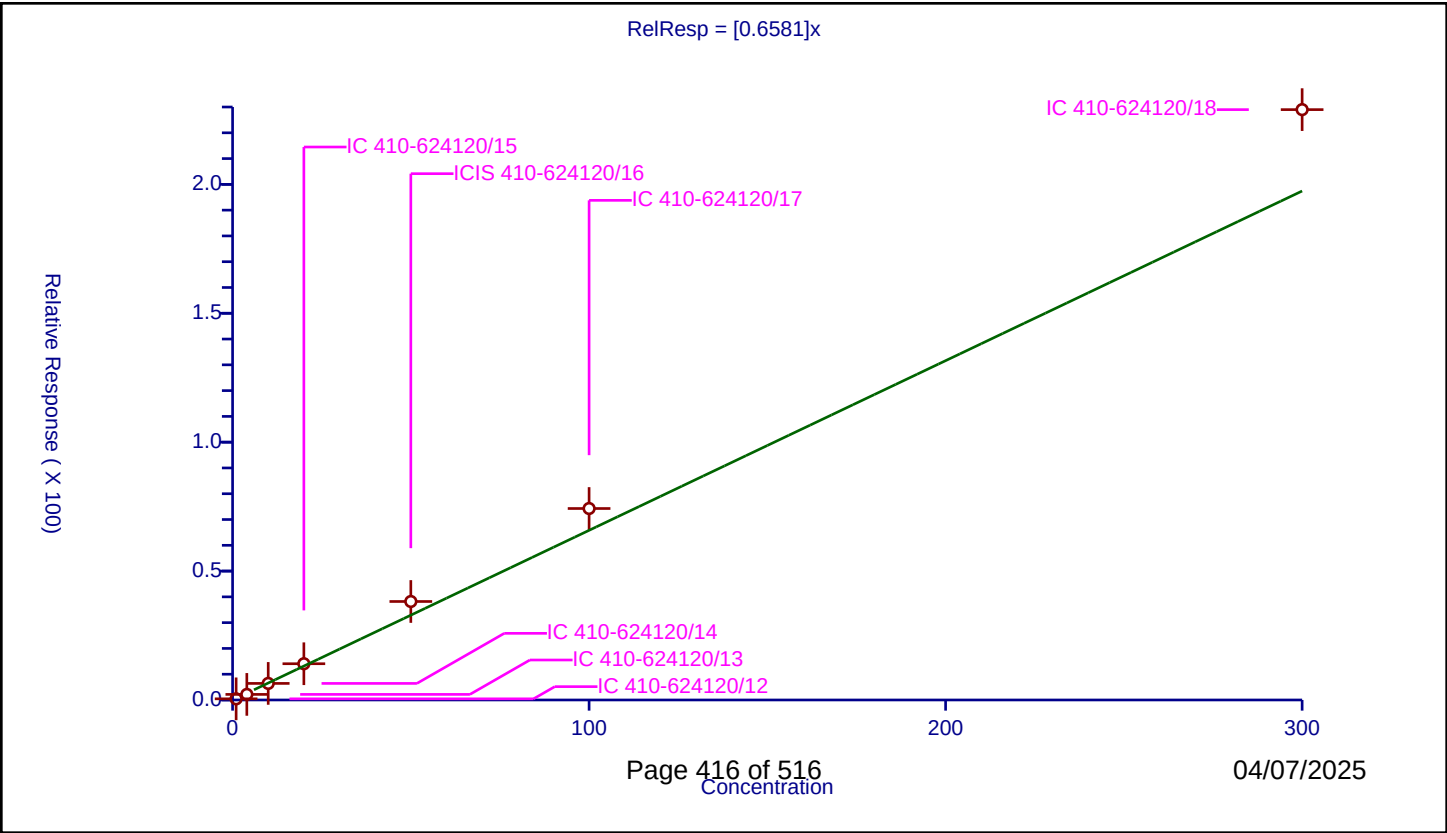
/ tert-Butylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.6581
Error Coefficients	

Relative Standard Deviation: 18.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.449695	50.0	305318.0	0.449695	Y
2	IC 410-624120/13	4.0	2.163845	50.0	318068.0	0.540961	Y
3	IC 410-624120/14	10.0	6.425082	50.0	328704.0	0.642508	Y
4	IC 410-624120/15	20.0	14.066738	50.0	324432.0	0.703337	Y
5	ICIS 410-624120/16	50.0	38.200882	50.0	320507.0	0.764018	Y
6	IC 410-624120/17	100.0	74.266715	50.0	345057.0	0.742667	Y
7	IC 410-624120/18	300.0	228.988611	50.0	365102.0	0.763295	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

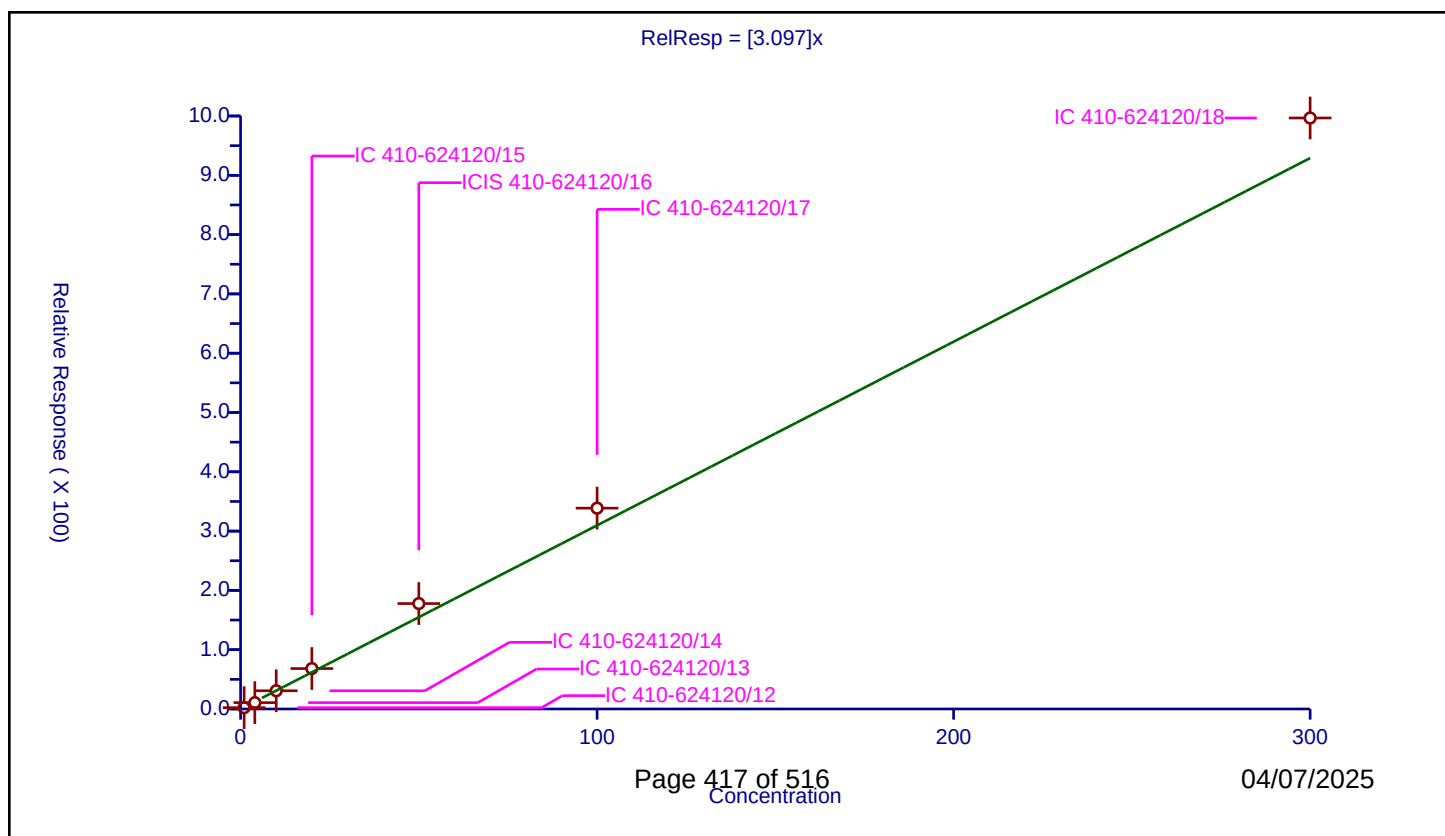
Curve Coefficients

Intercept: 0
Slope: 3.097

Error Coefficients

Relative Standard Deviation: 15.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	2.24651	50.0	305318.0	2.24651	Y
2	IC 410-624120/13	4.0	10.736855	50.0	318068.0	2.684214	Y
3	IC 410-624120/14	10.0	30.731753	50.0	328704.0	3.073175	Y
4	IC 410-624120/15	20.0	68.17931	50.0	324432.0	3.408966	Y
5	ICIS 410-624120/16	50.0	177.786445	50.0	320507.0	3.555729	Y
6	IC 410-624120/17	100.0	338.677523	50.0	345057.0	3.386775	Y
7	IC 410-624120/18	300.0	996.658194	50.0	365102.0	3.322194	Y



Calibration

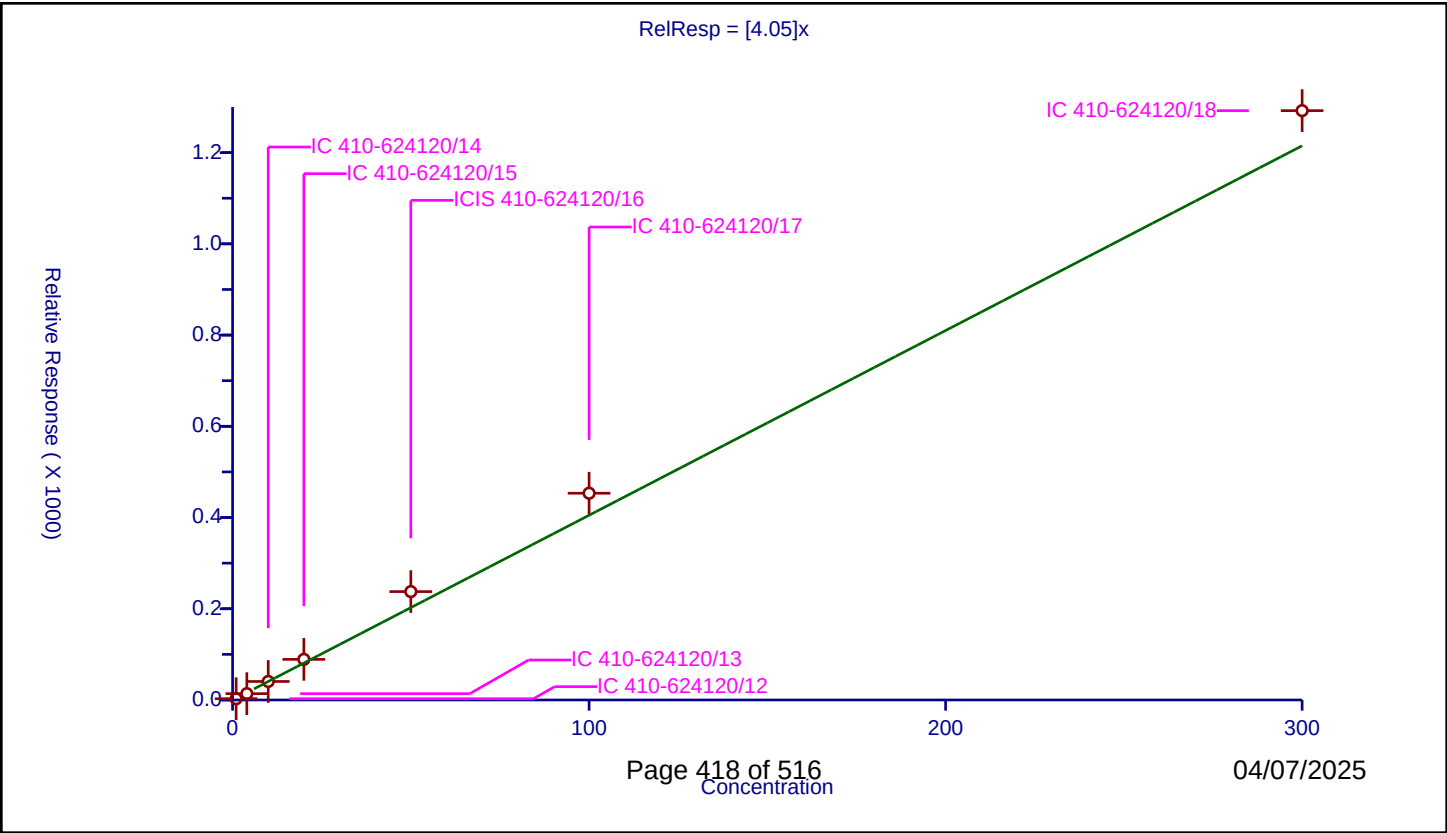
/ sec-Butylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	4.05
Error Coefficients	

Relative Standard Deviation: 17.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	2.769244	50.0	305318.0	2.769244	Y
2	IC 410-624120/13	4.0	13.89074	50.0	318068.0	3.472685	Y
3	IC 410-624120/14	10.0	40.613744	50.0	328704.0	4.061374	Y
4	IC 410-624120/15	20.0	89.093092	50.0	324432.0	4.454655	Y
5	ICIS 410-624120/16	50.0	237.603703	50.0	320507.0	4.752074	Y
6	IC 410-624120/17	100.0	453.313511	50.0	345057.0	4.533135	Y
7	IC 410-624120/18	300.0	1292.068792	50.0	365102.0	4.306896	Y



Calibration

/ 1,3-Dichlorobenzene

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

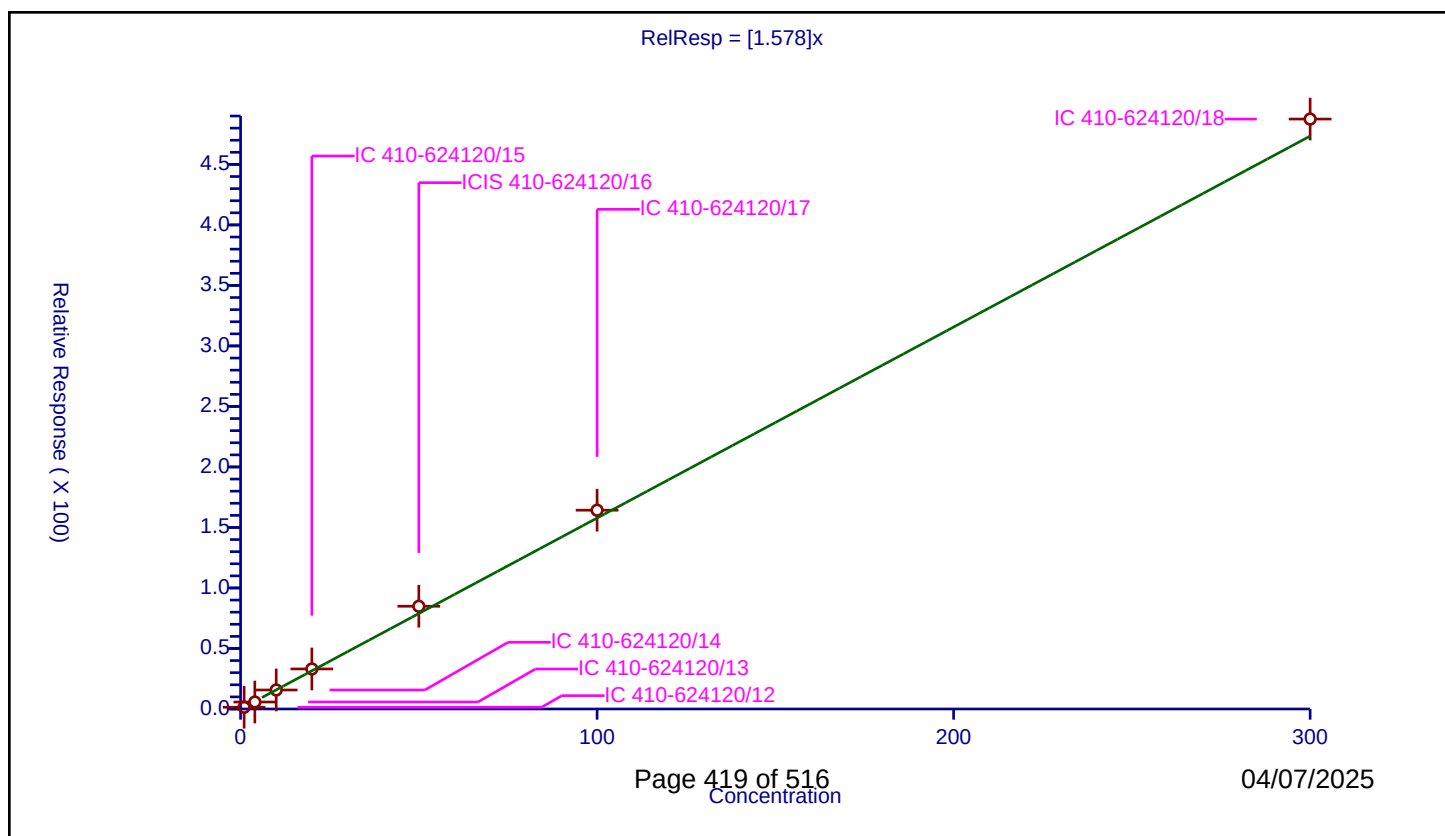
Curve Coefficients

Intercept: 0
Slope: 1.578

Error Coefficients

Relative Standard Deviation: 6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	1.415901	50.0	305318.0	1.415901	Y
2	IC 410-624120/13	4.0	5.760718	50.0	318068.0	1.440179	Y
3	IC 410-624120/14	10.0	15.697101	50.0	328704.0	1.56971	Y
4	IC 410-624120/15	20.0	33.097228	50.0	324432.0	1.654861	Y
5	ICIS 410-624120/16	50.0	84.887538	50.0	320507.0	1.697751	Y
6	IC 410-624120/17	100.0	164.25721	50.0	345057.0	1.642572	Y
7	IC 410-624120/18	300.0	487.485415	50.0	365102.0	1.624951	Y



Calibration

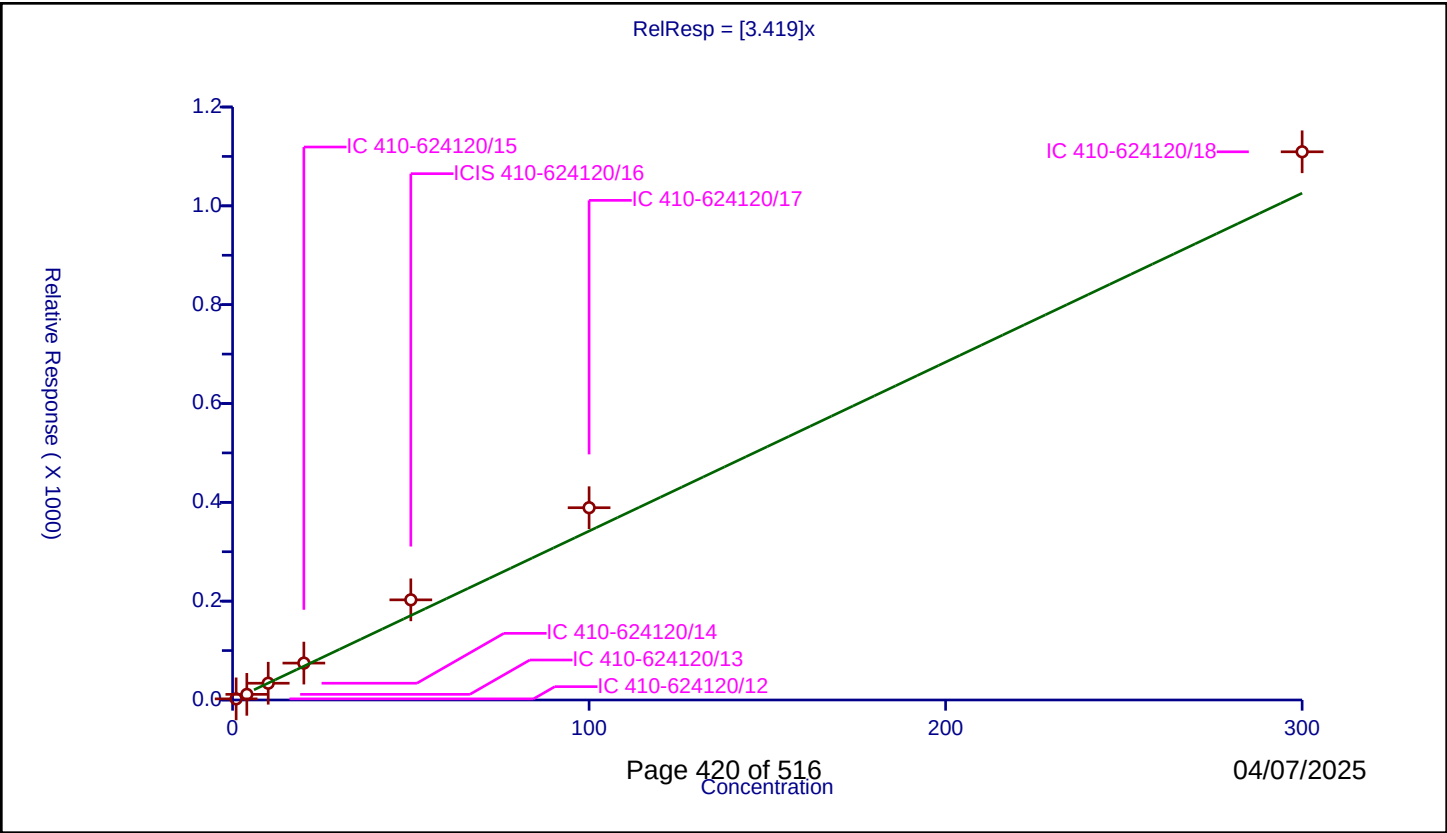
/ 4-Isopropyltoluene

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

Curve Coefficients	
Intercept:	0
Slope:	3.419
Error Coefficients	

Relative Standard Deviation: 18.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	2.316274	50.0	305318.0	2.316274	Y
2	IC 410-624120/13	4.0	11.386244	50.0	318068.0	2.846561	Y
3	IC 410-624120/14	10.0	33.919119	50.0	328704.0	3.391912	Y
4	IC 410-624120/15	20.0	74.686991	50.0	324432.0	3.73435	Y
5	ICIS 410-624120/16	50.0	202.675449	50.0	320507.0	4.053509	Y
6	IC 410-624120/17	100.0	389.107597	50.0	345057.0	3.891076	Y
7	IC 410-624120/18	300.0	1109.408056	50.0	365102.0	3.698027	Y



Calibration

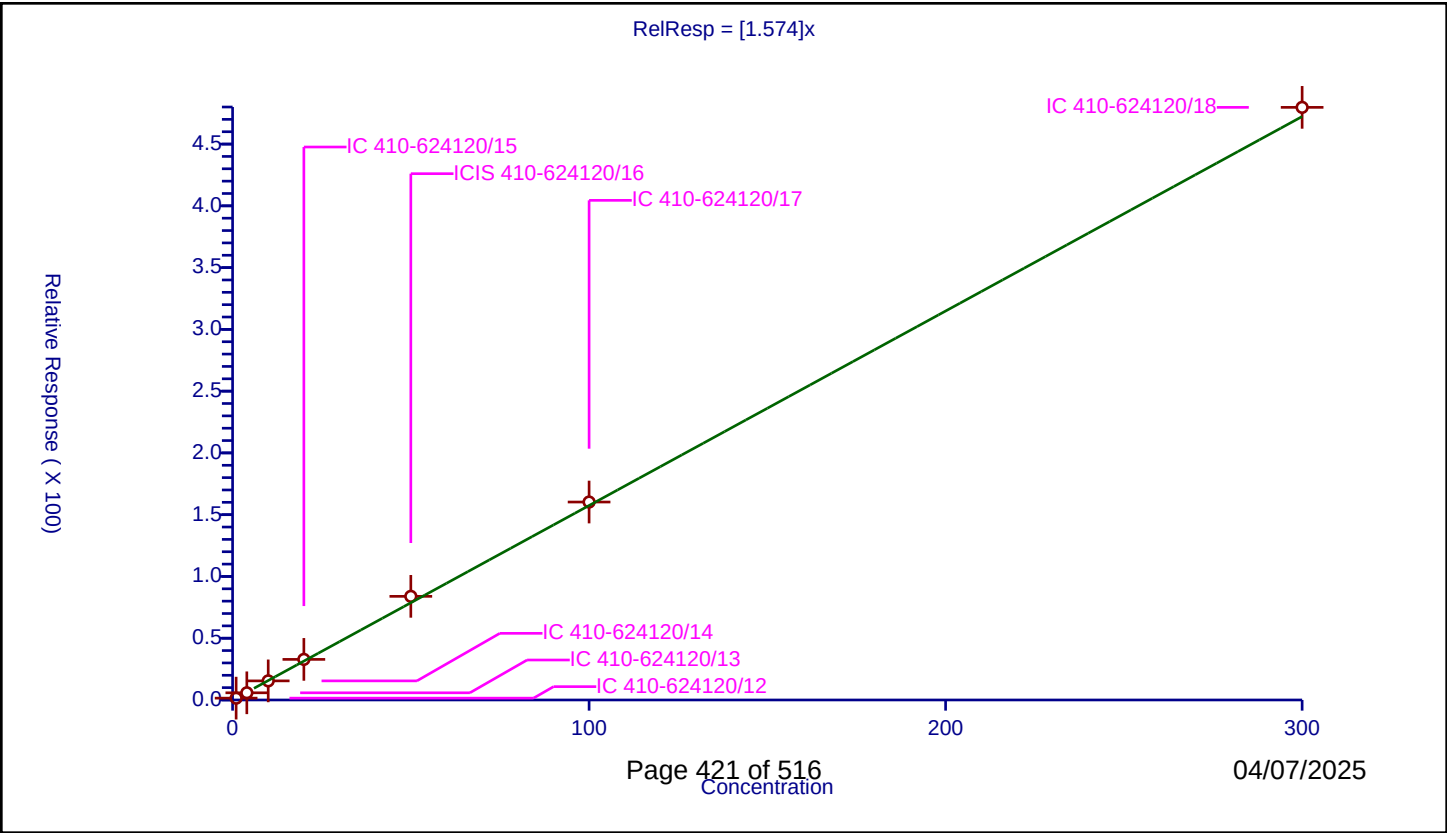
/ 1,4-Dichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.574
Error Coefficients	

Relative Standard Deviation: 5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	1.497783	50.0	305318.0	1.497783	Y
2	IC 410-624120/13	4.0	5.812594	50.0	318068.0	1.453148	Y
3	IC 410-624120/14	10.0	15.469085	50.0	328704.0	1.546908	Y
4	IC 410-624120/15	20.0	32.855113	50.0	324432.0	1.642756	Y
5	ICIS 410-624120/16	50.0	83.892551	50.0	320507.0	1.677851	Y
6	IC 410-624120/17	100.0	160.254683	50.0	345057.0	1.602547	Y
7	IC 410-624120/18	300.0	479.715258	50.0	365102.0	1.599051	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

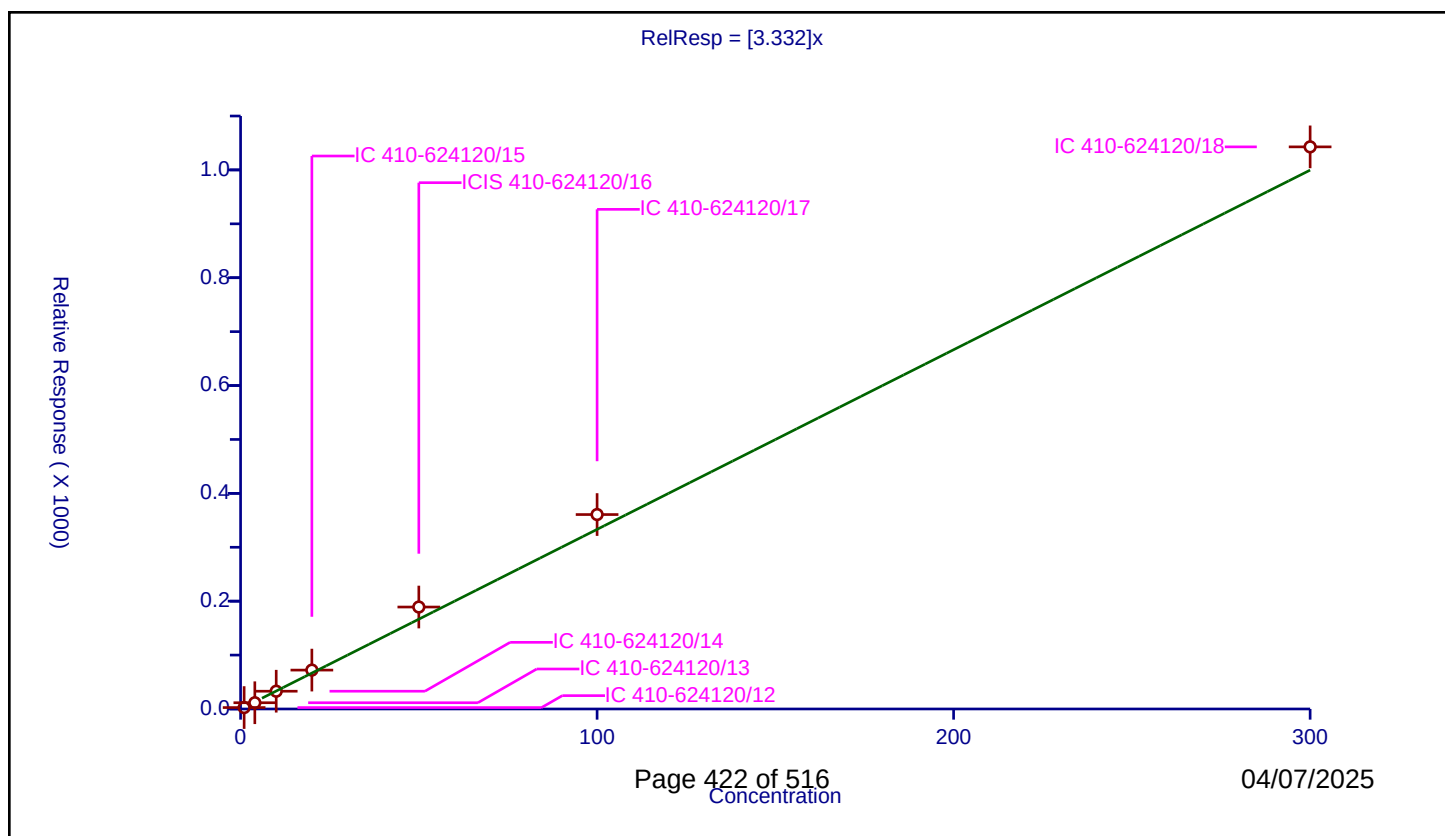
Curve Coefficients

Intercept: 0
Slope: 3.332

Error Coefficients

Relative Standard Deviation: 12.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	2.655592	50.0	305318.0	2.655592	Y
2	IC 410-624120/13	4.0	11.588717	50.0	318068.0	2.897179	Y
3	IC 410-624120/14	10.0	32.988646	50.0	328704.0	3.298865	Y
4	IC 410-624120/15	20.0	72.14162	50.0	324432.0	3.607081	Y
5	ICIS 410-624120/16	50.0	189.159363	50.0	320507.0	3.783187	Y
6	IC 410-624120/17	100.0	360.711853	50.0	345057.0	3.607119	Y
7	IC 410-624120/18	300.0	1042.781195	50.0	365102.0	3.475937	Y



Calibration

/ Benzyl chloride

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

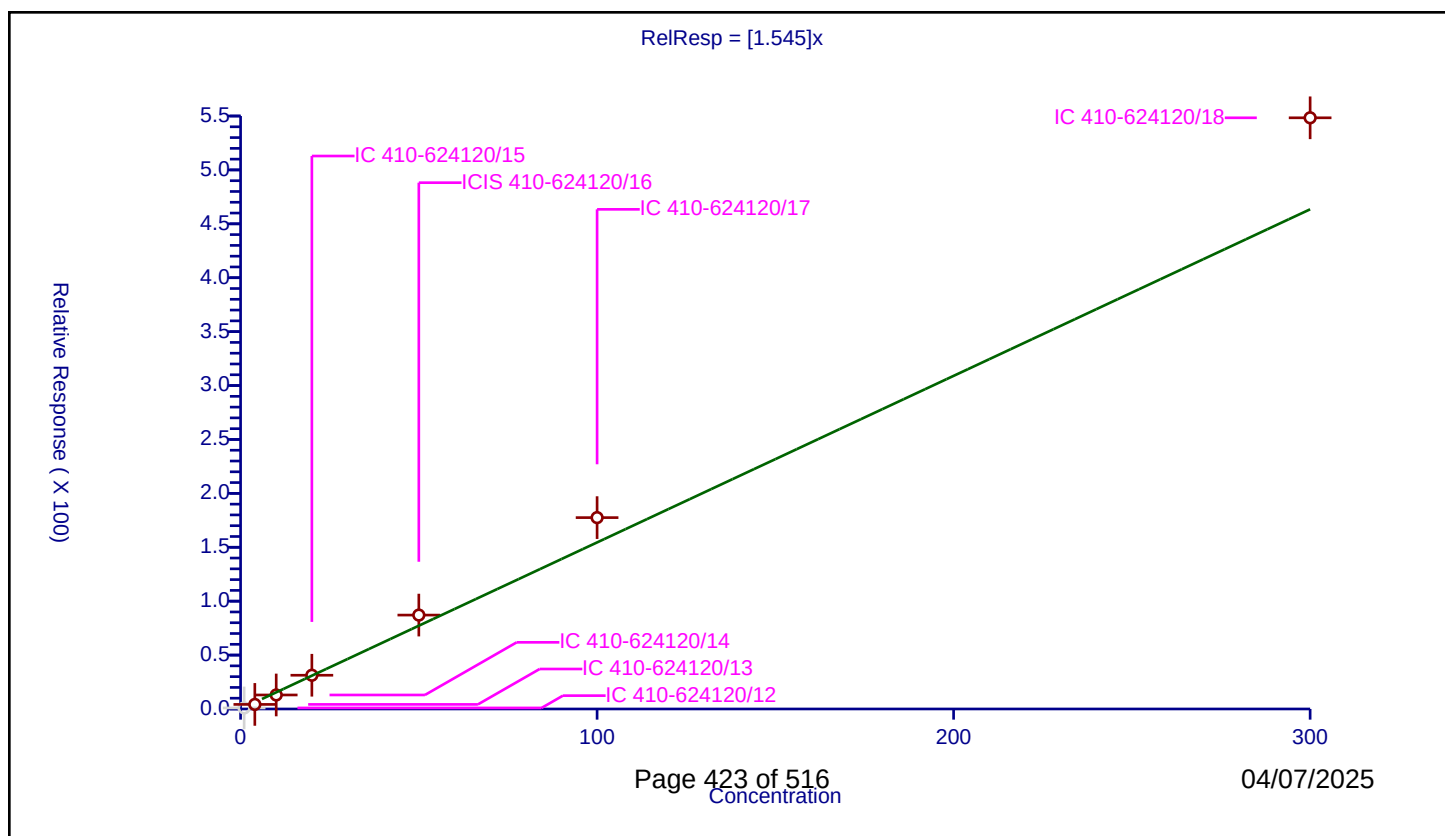
Curve Coefficients

Intercept: 0
Slope: 1.545

Error Coefficients

Relative Standard Deviation: 19.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.983892	50.0	305318.0	0.983892	N
2	IC 410-624120/13	4.0	4.237459	50.0	318068.0	1.059365	Y
3	IC 410-624120/14	10.0	13.00547	50.0	328704.0	1.300547	Y
4	IC 410-624120/15	20.0	31.289608	50.0	324432.0	1.56448	Y
5	ICIS 410-624120/16	50.0	87.10543	50.0	320507.0	1.742109	Y
6	IC 410-624120/17	100.0	177.497051	50.0	345057.0	1.774971	Y
7	IC 410-624120/18	300.0	548.346079	50.0	365102.0	1.82782	Y



Calibration

/ 1,3-Diethylbenzene

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

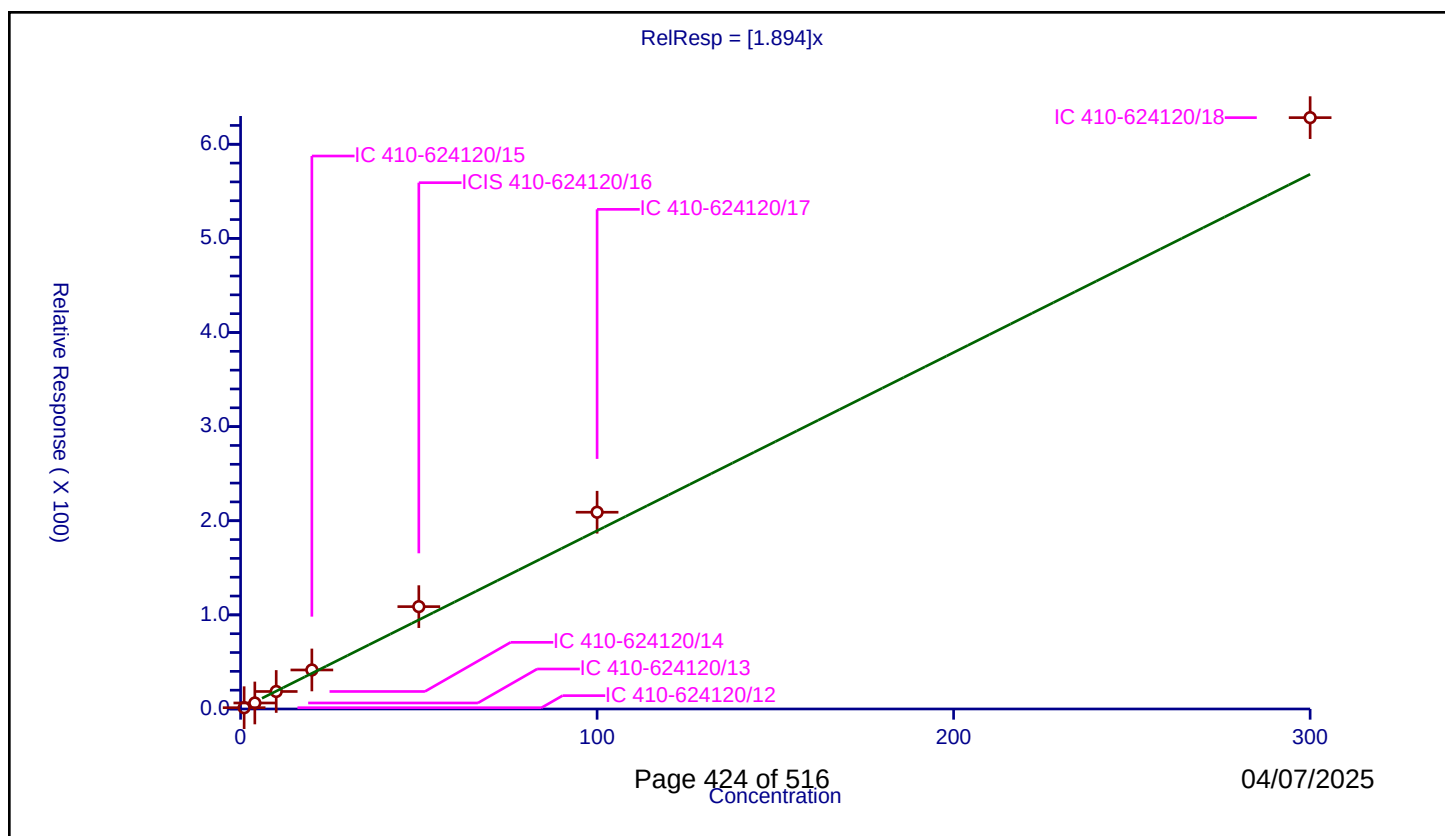
Curve Coefficients

Intercept: 0
Slope: 1.894

Error Coefficients

Relative Standard Deviation: 16.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	1.369392	50.0	305318.0	1.369392	Y
2	IC 410-624120/13	4.0	6.379139	50.0	318068.0	1.594785	Y
3	IC 410-624120/14	10.0	18.594845	50.0	328704.0	1.859485	Y
4	IC 410-624120/15	20.0	41.463234	50.0	324432.0	2.073162	Y
5	ICIS 410-624120/16	50.0	108.741775	50.0	320507.0	2.174835	Y
6	IC 410-624120/17	100.0	209.050534	50.0	345057.0	2.090505	Y
7	IC 410-624120/18	300.0	628.265937	50.0	365102.0	2.09422	Y



Calibration

/ p-Diethylbenzene

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

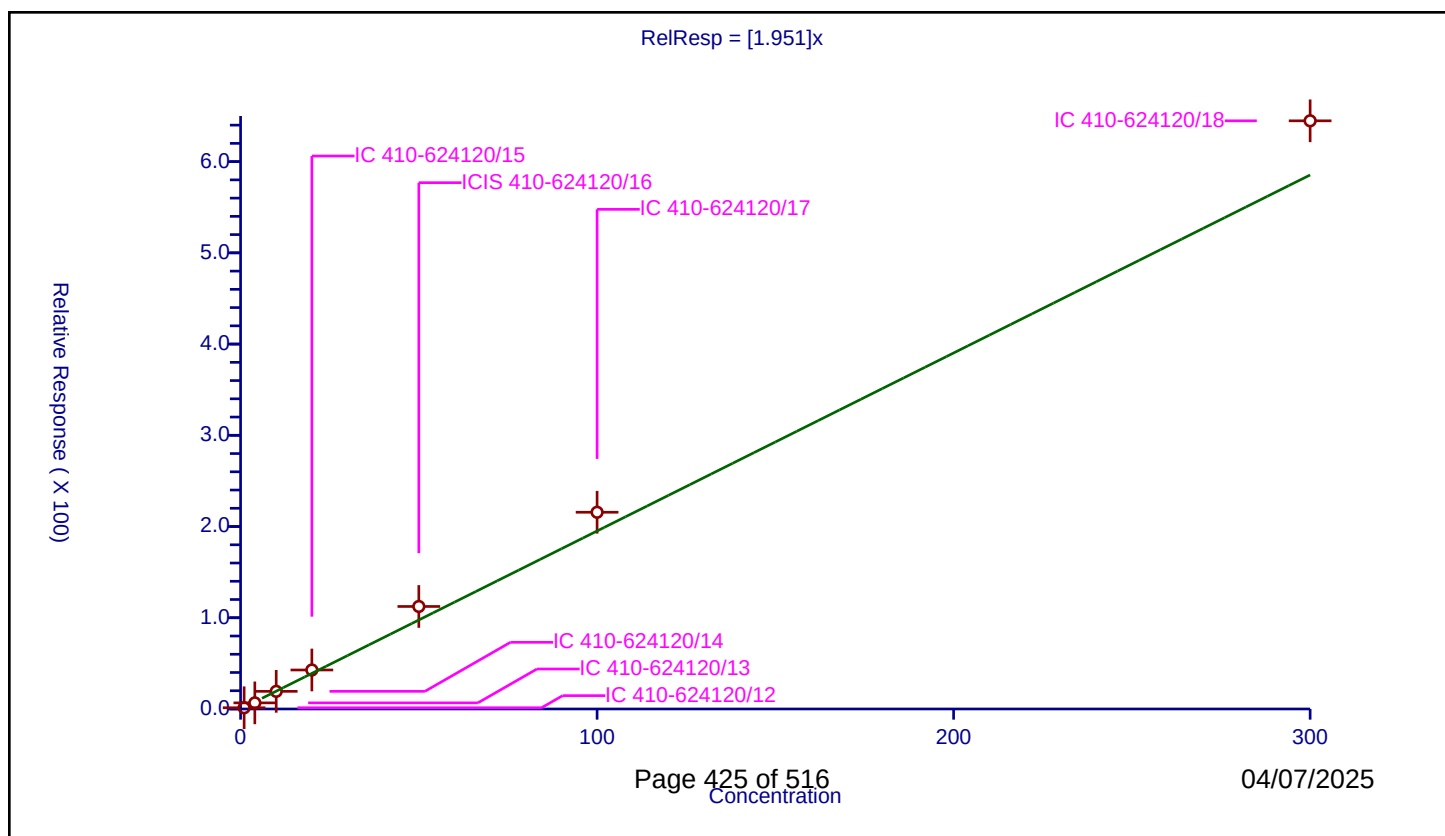
Curve Coefficients

Intercept: 0
Slope: 1.951

Error Coefficients

Relative Standard Deviation: 16.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	1.360385	50.0	305318.0	1.360385	Y
2	IC 410-624120/13	4.0	6.696367	50.0	318068.0	1.674092	Y
3	IC 410-624120/14	10.0	19.32605	50.0	328704.0	1.932605	Y
4	IC 410-624120/15	20.0	42.763969	50.0	324432.0	2.138198	Y
5	ICIS 410-624120/16	50.0	112.387561	50.0	320507.0	2.247751	Y
6	IC 410-624120/17	100.0	215.654225	50.0	345057.0	2.156542	Y
7	IC 410-624120/18	300.0	644.749139	50.0	365102.0	2.149164	Y



Calibration

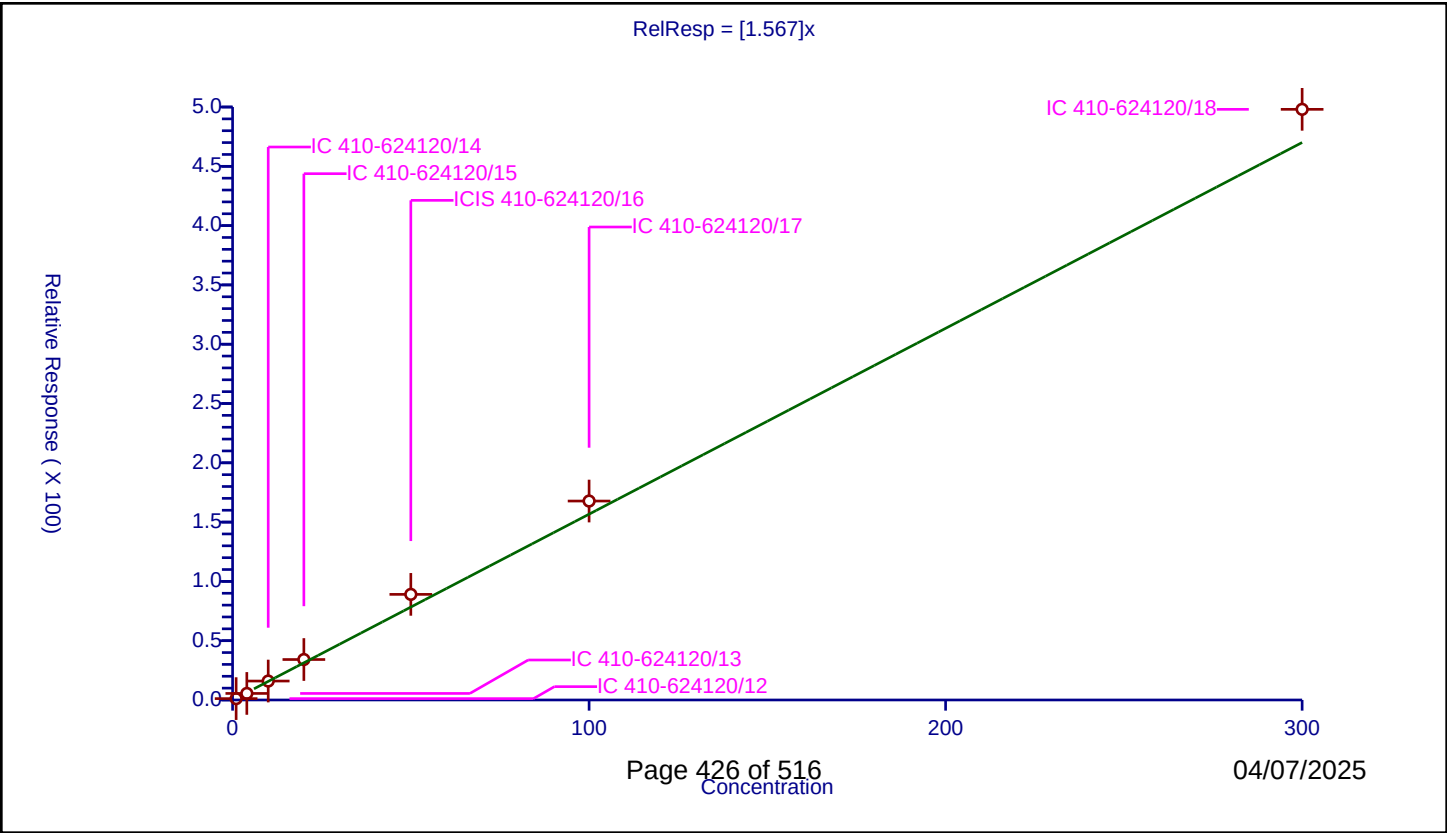
/ n-Butylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.567
Error Coefficients	

Relative Standard Deviation: 13.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	1.16436	50.0	305318.0	1.16436	Y
2	IC 410-624120/13	4.0	5.528849	50.0	318068.0	1.382212	Y
3	IC 410-624120/14	10.0	15.973338	50.0	328704.0	1.597334	Y
4	IC 410-624120/15	20.0	34.117165	50.0	324432.0	1.705858	Y
5	ICIS 410-624120/16	50.0	89.050317	50.0	320507.0	1.781006	Y
6	IC 410-624120/17	100.0	167.754168	50.0	345057.0	1.677542	Y
7	IC 410-624120/18	300.0	498.050545	50.0	365102.0	1.660168	Y



Calibration

/ 1,2-Dichlorobenzene

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

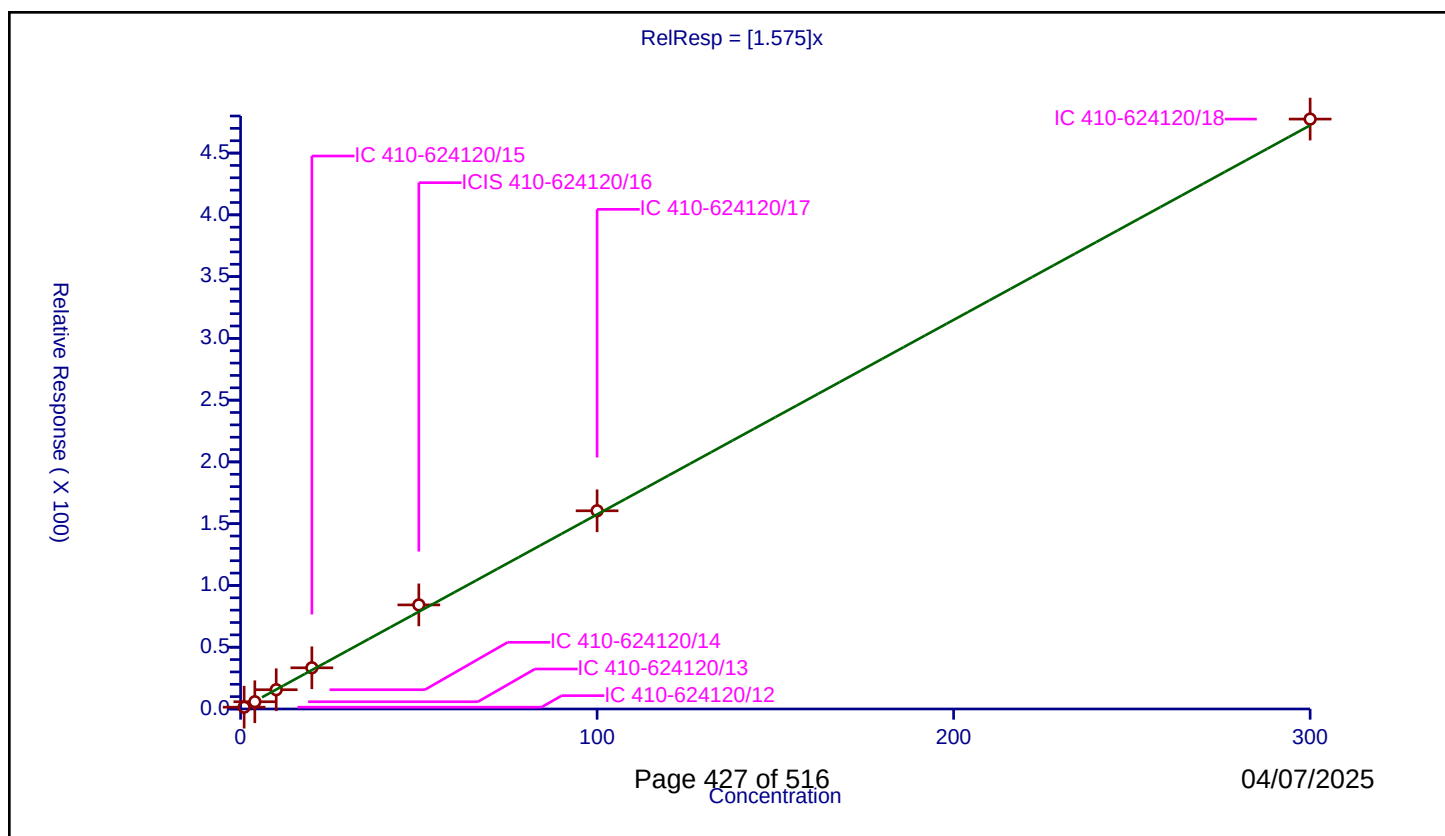
Curve Coefficients

Intercept: 0
Slope: 1.575

Error Coefficients

Relative Standard Deviation: 5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	1.450455	50.0	305318.0	1.450455	Y
2	IC 410-624120/13	4.0	5.862426	50.0	318068.0	1.465606	Y
3	IC 410-624120/14	10.0	15.585755	50.0	328704.0	1.558575	Y
4	IC 410-624120/15	20.0	33.348899	50.0	324432.0	1.667445	Y
5	ICIS 410-624120/16	50.0	84.260406	50.0	320507.0	1.685208	Y
6	IC 410-624120/17	100.0	160.448564	50.0	345057.0	1.604486	Y
7	IC 410-624120/18	300.0	477.508888	50.0	365102.0	1.591696	Y



Calibration

/ o-diethylbenzene

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

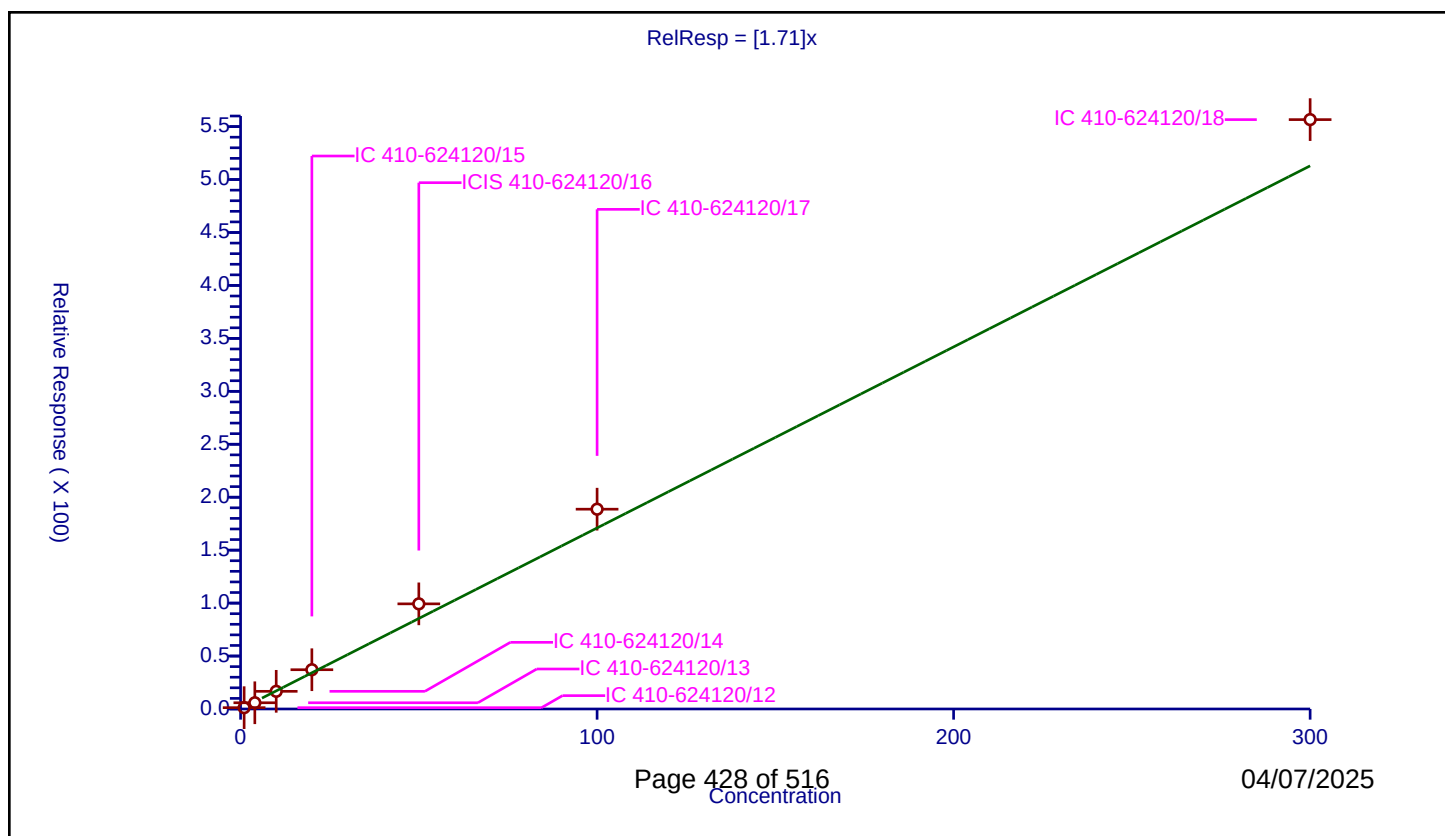
Curve Coefficients

Intercept: 0
Slope: 1.71

Error Coefficients

Relative Standard Deviation: 15.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	1.247552	50.0	305318.0	1.247552	Y
2	IC 410-624120/13	4.0	5.884119	50.0	318068.0	1.47103	Y
3	IC 410-624120/14	10.0	16.682791	50.0	328704.0	1.668279	Y
4	IC 410-624120/15	20.0	37.07834	50.0	324432.0	1.853917	Y
5	ICIS 410-624120/16	50.0	99.276459	50.0	320507.0	1.985529	Y
6	IC 410-624120/17	100.0	188.678102	50.0	345057.0	1.886781	Y
7	IC 410-624120/18	300.0	556.609112	50.0	365102.0	1.855364	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

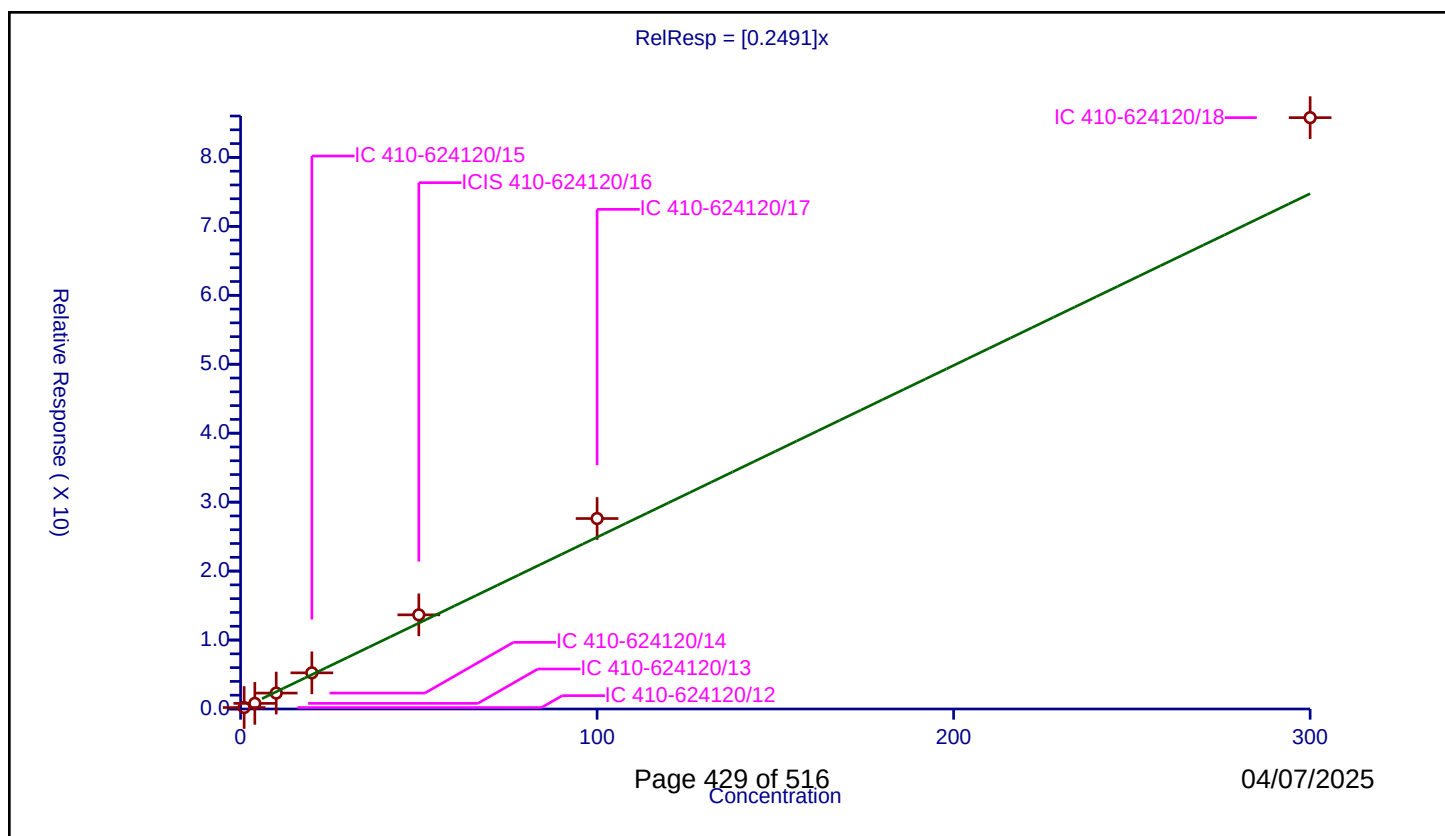
Curve Coefficients

Intercept: 0
Slope: 0.2491

Error Coefficients

Relative Standard Deviation: 13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.212074	50.0	305318.0	0.212074	Y
2	IC 410-624120/13	4.0	0.815706	50.0	318068.0	0.203927	Y
3	IC 410-624120/14	10.0	2.306635	50.0	328704.0	0.230663	Y
4	IC 410-624120/15	20.0	5.241776	50.0	324432.0	0.262089	Y
5	ICIS 410-624120/16	50.0	13.65368	50.0	320507.0	0.273074	Y
6	IC 410-624120/17	100.0	27.622393	50.0	345057.0	0.276224	Y
7	IC 410-624120/18	300.0	85.76302	50.0	365102.0	0.285877	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

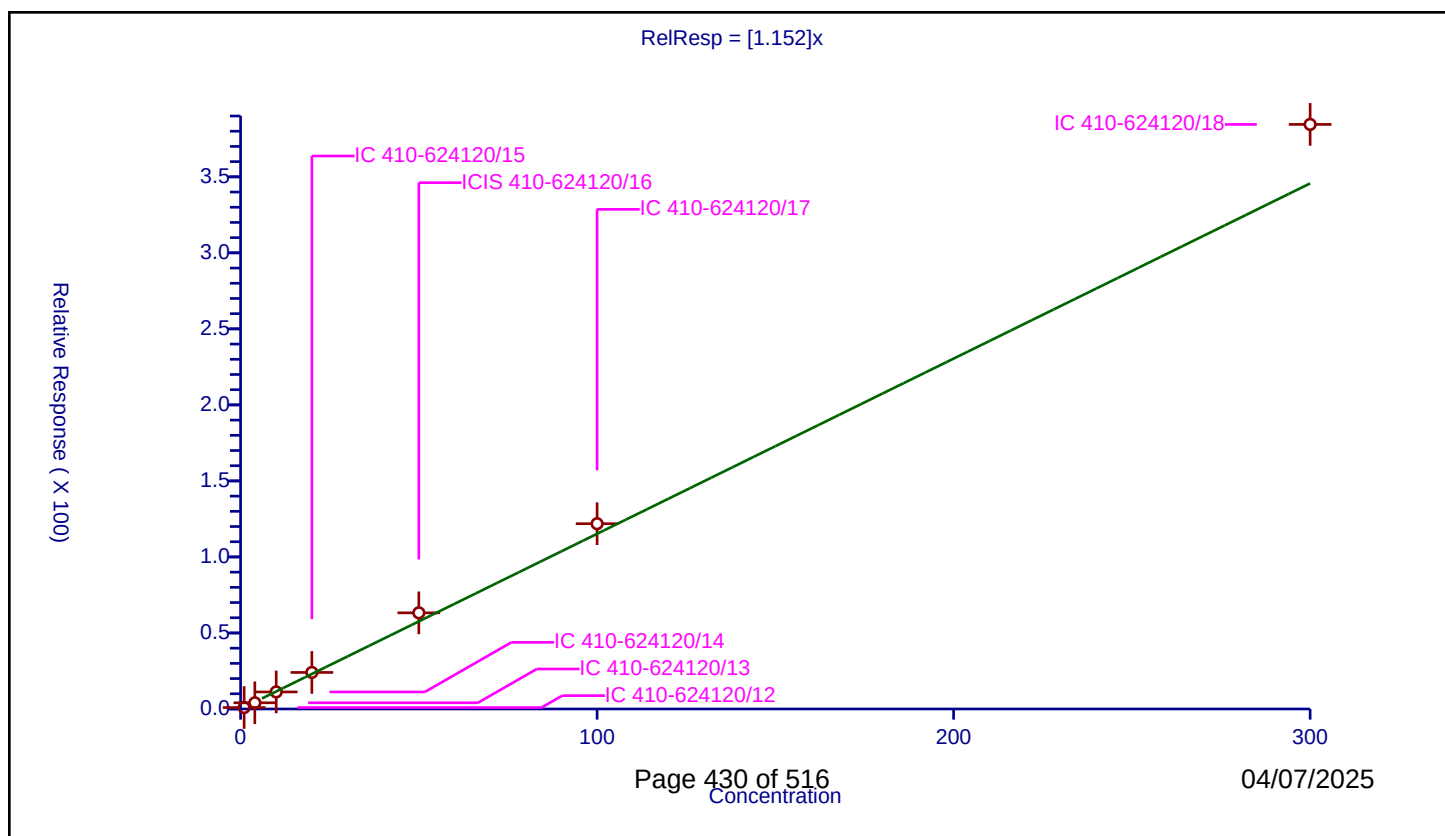
Curve Coefficients

Intercept: 0
Slope: 1.152

Error Coefficients

Relative Standard Deviation: 10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.95769	50.0	305318.0	0.95769	Y
2	IC 410-624120/13	4.0	4.079474	50.0	318068.0	1.019868	Y
3	IC 410-624120/14	10.0	11.210694	50.0	328704.0	1.121069	Y
4	IC 410-624120/15	20.0	24.03385	50.0	324432.0	1.201692	Y
5	ICIS 410-624120/16	50.0	63.237932	50.0	320507.0	1.264759	Y
6	IC 410-624120/17	100.0	121.873053	50.0	345057.0	1.218731	Y
7	IC 410-624120/18	300.0	384.473243	50.0	365102.0	1.281577	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

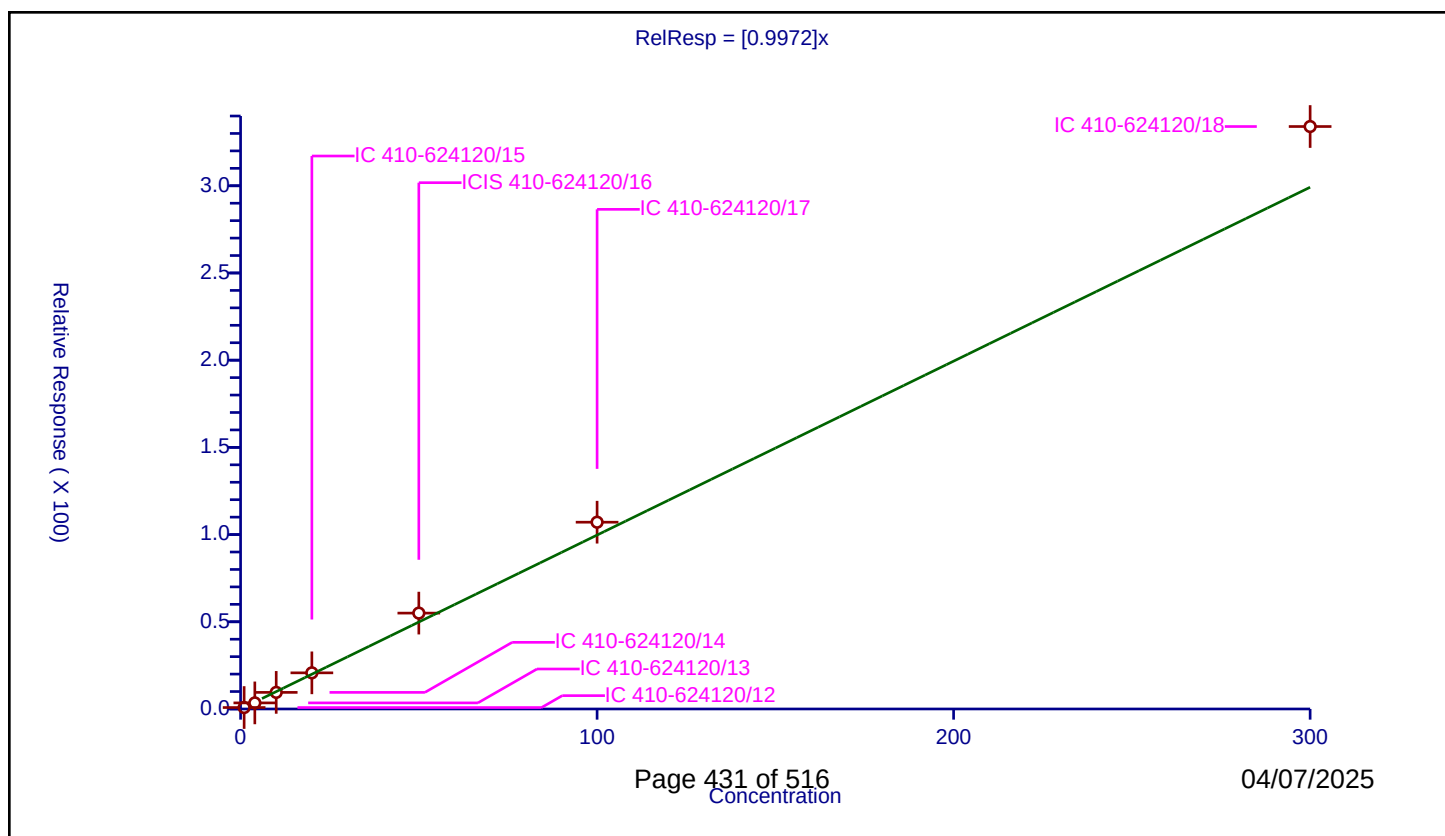
Curve Coefficients

Intercept: 0
Slope: 0.9972

Error Coefficients

Relative Standard Deviation: 11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.83585	50.0	305318.0	0.83585	Y
2	IC 410-624120/13	4.0	3.491392	50.0	318068.0	0.872848	Y
3	IC 410-624120/14	10.0	9.517225	50.0	328704.0	0.951723	Y
4	IC 410-624120/15	20.0	20.730384	50.0	324432.0	1.036519	Y
5	ICIS 410-624120/16	50.0	54.969002	50.0	320507.0	1.09938	Y
6	IC 410-624120/17	100.0	107.100276	50.0	345057.0	1.071003	Y
7	IC 410-624120/18	300.0	333.970507	50.0	365102.0	1.113235	Y



Calibration

/ 2-Ethylhexyl acrylate

Curve Type: Linear
Weighting: Conc
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

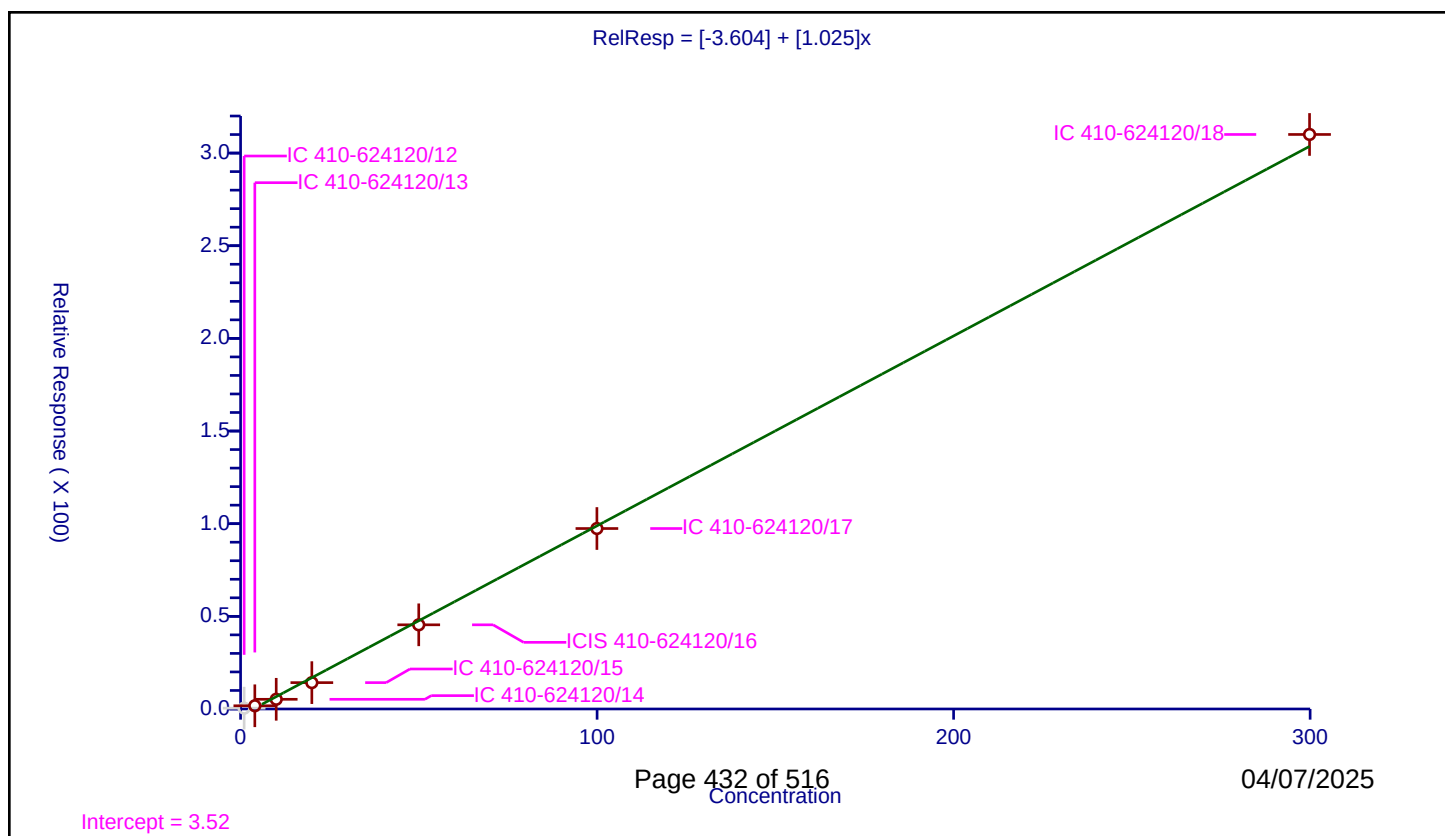
Curve Coefficients

Intercept: -3.604
Slope: 1.025

Error Coefficients

Relative Standard Deviation: 18.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	0.999472	0.448549	50.0	305318.0	0.448786	N
2	IC 410-624120/13	3.997886	1.730762	50.0	318068.0	0.432919	Y
3	IC 410-624120/14	9.994716	5.232519	50.0	328704.0	0.523529	Y
4	IC 410-624120/15	19.989432	14.219621	50.0	324432.0	0.711357	Y
5	ICIS 410-624120/16	49.97358	45.419133	50.0	320507.0	0.908863	Y
6	IC 410-624120/17	99.94716	97.386519	50.0	345057.0	0.97438	Y
7	IC 410-624120/18	299.84148	310.04144	50.0	365102.0	1.034018	Y



Calibration

/ Hexachlorobutadiene

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

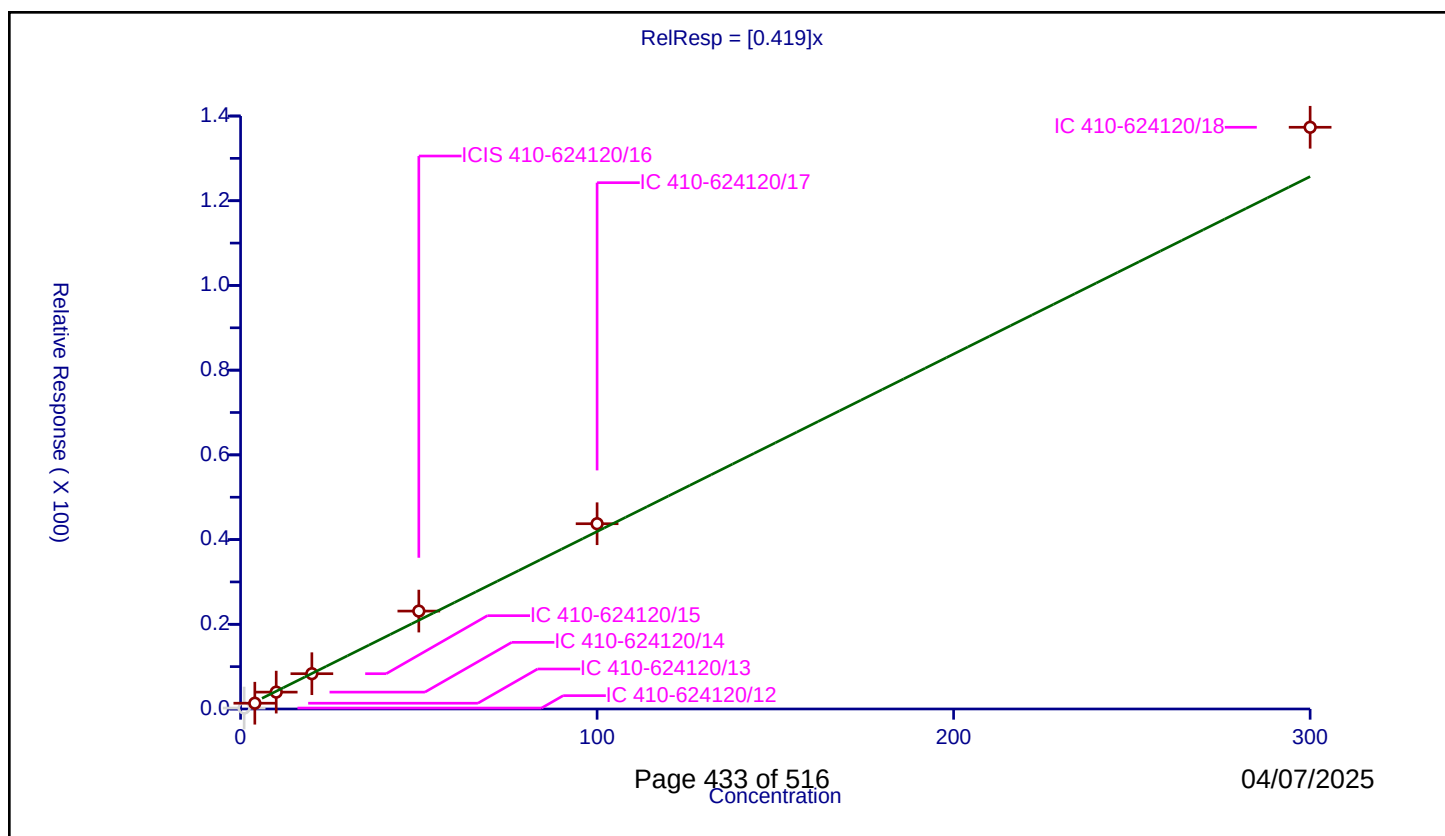
Curve Coefficients

Intercept: 0
Slope: 0.419

Error Coefficients

Relative Standard Deviation: 10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.221081	50.0	305318.0	0.221081	N
2	IC 410-624120/13	4.0	1.36496	50.0	318068.0	0.34124	Y
3	IC 410-624120/14	10.0	3.985196	50.0	328704.0	0.39852	Y
4	IC 410-624120/15	20.0	8.335183	50.0	324432.0	0.416759	Y
5	ICIS 410-624120/16	50.0	23.114628	50.0	320507.0	0.462293	Y
6	IC 410-624120/17	100.0	43.740599	50.0	345057.0	0.437406	Y
7	IC 410-624120/18	300.0	137.340524	50.0	365102.0	0.457802	Y



Calibration

/ Naphthalene

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

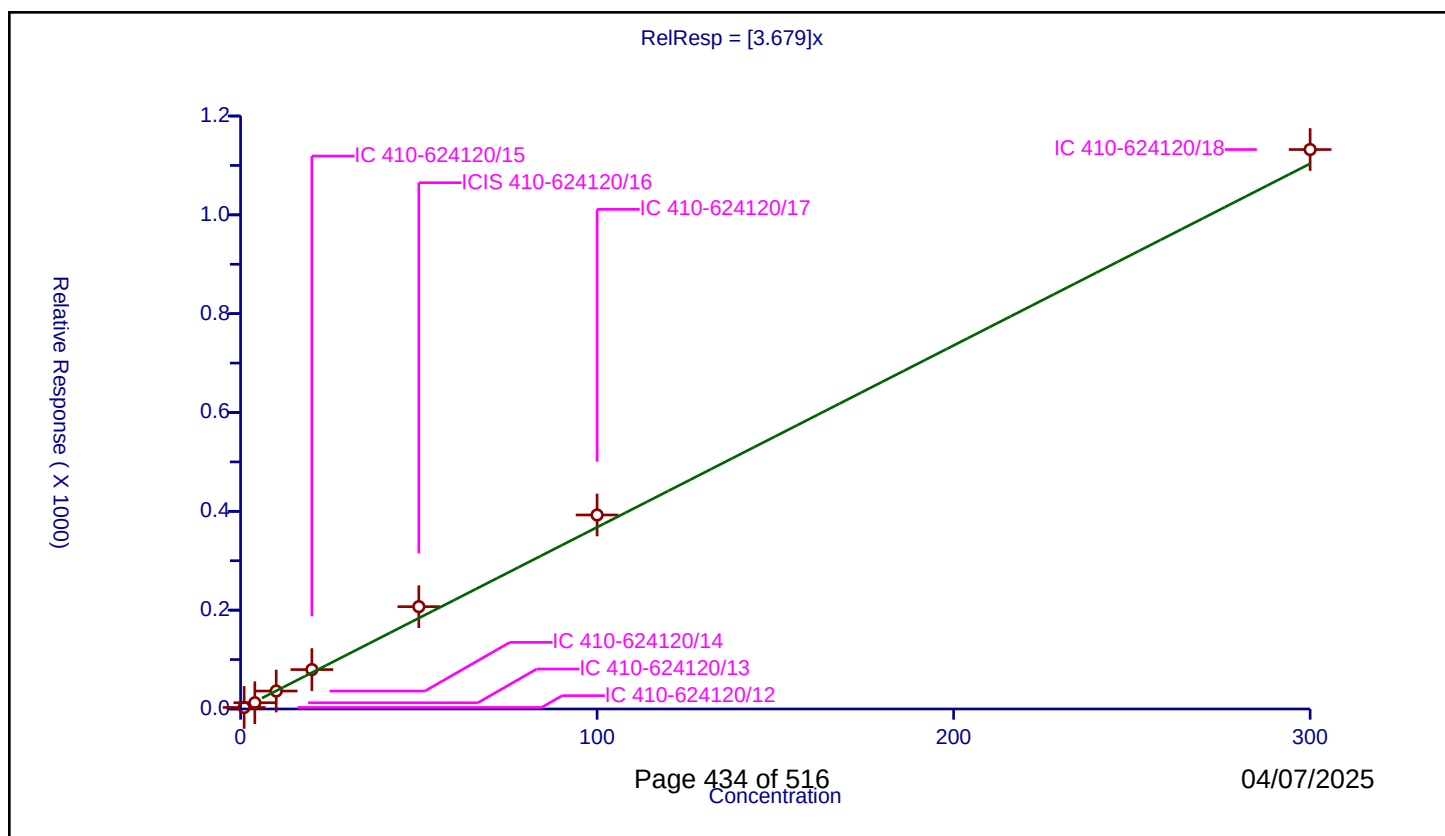
Curve Coefficients

Intercept: 0
Slope: 3.679

Error Coefficients

Relative Standard Deviation: 10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	3.119043	50.0	305318.0	3.119043	Y
2	IC 410-624120/13	4.0	12.673548	50.0	318068.0	3.168387	Y
3	IC 410-624120/14	10.0	36.338317	50.0	328704.0	3.633832	Y
4	IC 410-624120/15	20.0	79.733195	50.0	324432.0	3.98666	Y
5	ICIS 410-624120/16	50.0	207.075976	50.0	320507.0	4.14152	Y
6	IC 410-624120/17	100.0	392.630783	50.0	345057.0	3.926308	Y
7	IC 410-624120/18	300.0	1132.188676	50.0	365102.0	3.773962	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

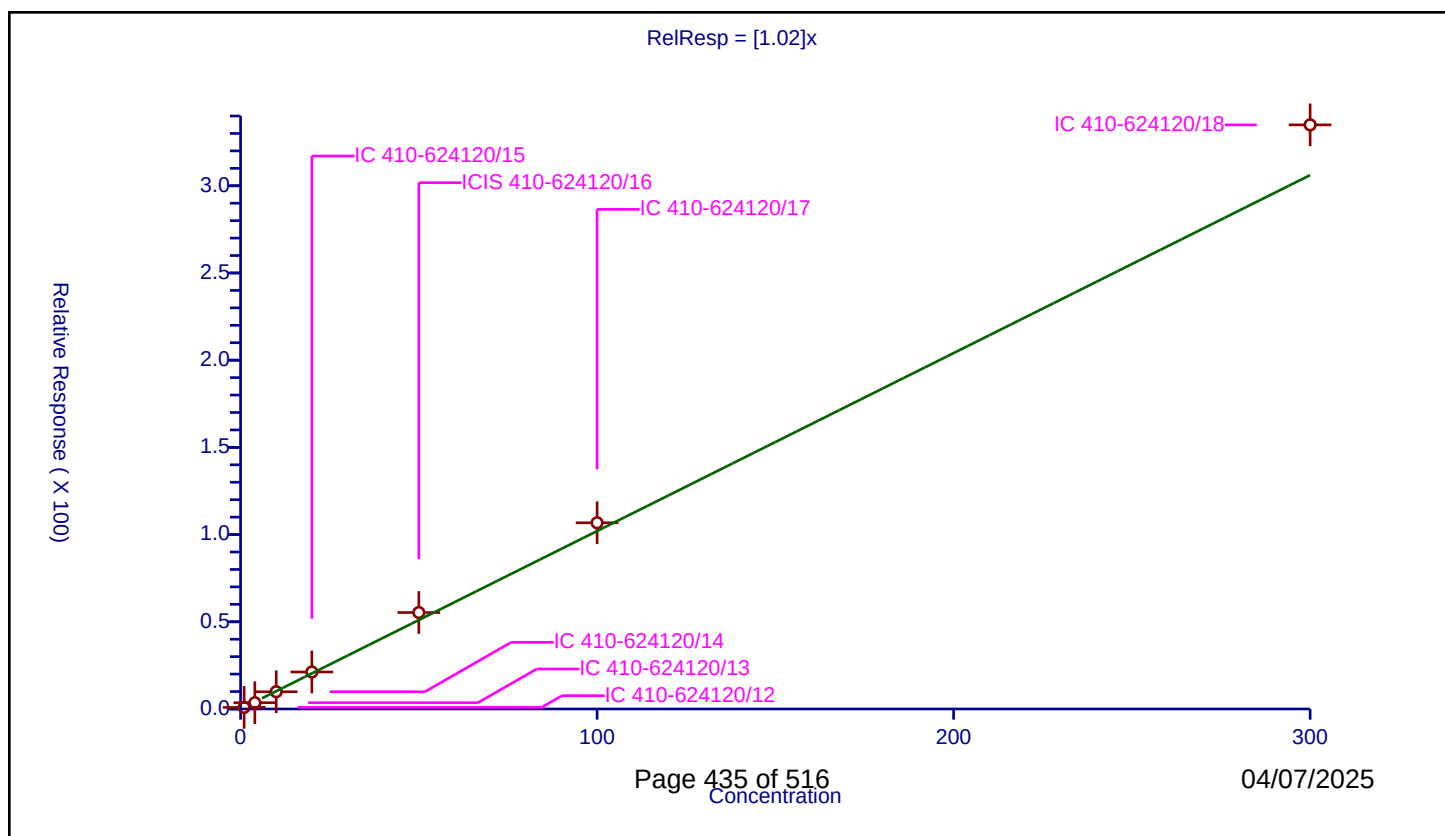
Curve Coefficients

Intercept: 0
Slope: 1.02

Error Coefficients

Relative Standard Deviation: 8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	0.902338	50.0	305318.0	0.902338	Y
2	IC 410-624120/13	4.0	3.59813	50.0	318068.0	0.899532	Y
3	IC 410-624120/14	10.0	9.890509	50.0	328704.0	0.989051	Y
4	IC 410-624120/15	20.0	21.222321	50.0	324432.0	1.061116	Y
5	ICIS 410-624120/16	50.0	55.306436	50.0	320507.0	1.106129	Y
6	IC 410-624120/17	100.0	106.782503	50.0	345057.0	1.067825	Y
7	IC 410-624120/18	300.0	334.917092	50.0	365102.0	1.11639	Y



Calibration

/ 2-Methylnaphthalene

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

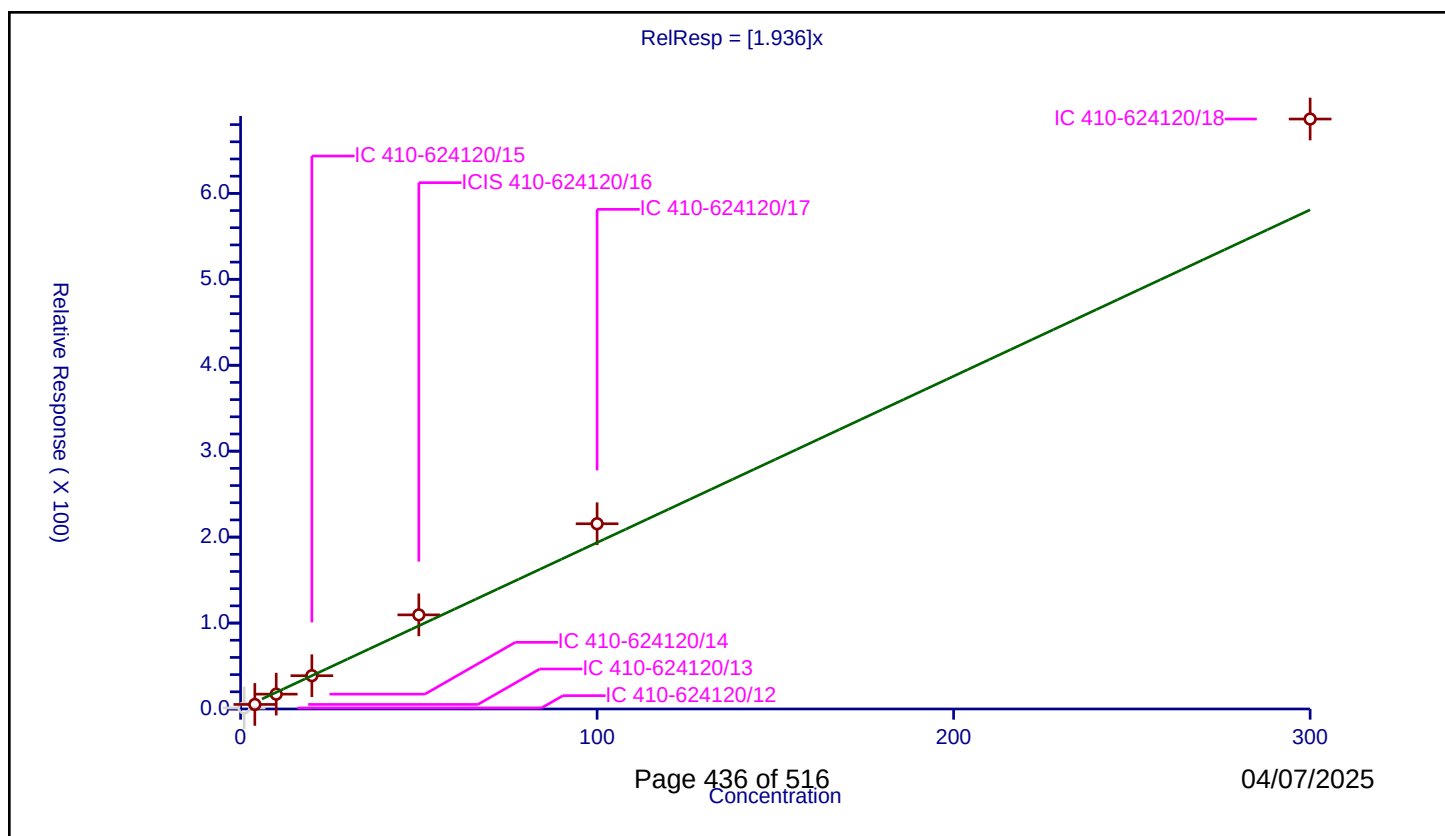
Curve Coefficients

Intercept: 0
Slope: 1.936

Error Coefficients

Relative Standard Deviation: 18.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-624120/12	1.0	1.231994	50.0	305318.0	1.231994	N
2	IC 410-624120/13	4.0	5.280003	50.0	318068.0	1.320001	Y
3	IC 410-624120/14	10.0	17.265077	50.0	328704.0	1.726508	Y
4	IC 410-624120/15	20.0	38.726143	50.0	324432.0	1.936307	Y
5	ICIS 410-624120/16	50.0	109.517577	50.0	320507.0	2.190352	Y
6	IC 410-624120/17	100.0	215.565254	50.0	345057.0	2.155653	Y
7	IC 410-624120/18	300.0	686.495829	50.0	365102.0	2.288319	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-214589-1

SDG No.: _____

Lab Sample ID: ICV 410-624120/20

Calibration Date: 03/31/2025 17:24

Instrument ID: 7159

Calib Start Date: 03/31/2025 14:42

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

Calib End Date: 03/31/2025 16:43

Lab File ID: NM31X20.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	0.5486	0.5927	0.1000	21.6	20.0	8.0	30.0
Chloromethane	Ave	0.4216	0.4822	0.1000	22.9	20.0	14.4	30.0
Vinyl chloride	Ave	0.4476	0.4971	0.1000	22.2	20.0	11.1	30.0
1,3-Butadiene	Ave	0.3657	0.3897		21.3	20.0	6.6	30.0
Bromomethane	Ave	0.4352	0.4881	0.1000	22.4	20.0	12.1	30.0
Chloroethane	Ave	0.3035	0.3260	0.1000	21.5	20.0	7.4	30.0
Dichlorofluoromethane	Ave	0.8868	0.9615		21.7	20.0	8.4	30.0
Trichlorofluoromethane	Ave	0.6655	0.6940	0.1000	20.9	20.0	4.3	30.0
n-Pentane	Ave	0.5250	0.4829		18.4	20.0	-8.0	30.0
Ethanol	Ave	0.0701	0.0675		964	1000	-3.6	30.0
Freon 123a	Ave	0.4067	0.4196		20.6	20.0	3.2	30.0
Acrolein	Ave	1.281	1.147		131	146	-10.5	30.0
1,1-Dichloroethene	Ave	0.3080	0.3421	0.1000	22.2	20.0	11.1	30.0
Freon 113	Ave	0.3878	0.3665	0.1000	18.9	20.0	-5.5	30.0
Acetone	Ave	0.6072	0.6166	0.1000	254	250	1.6	30.0
2-Propanol	Ave	0.6712	0.6220		139	150	-7.3	30.0
Methyl iodide	Ave	0.6210	0.5890		19.0	20.0	-5.2	30.0
Carbon disulfide	Ave	0.9293	0.8878	0.1000	19.1	20.0	-4.5	30.0
Methyl acetate	Ave	0.2920	0.2872	0.1000	19.7	20.0	-1.6	30.0
Allyl chloride	Ave	0.3831	0.3503		18.3	20.0	-8.6	30.0
Methylene Chloride	Ave	0.3600	0.3747	0.1000	20.8	20.0	4.1	30.0
t-Butyl alcohol	Ave	0.9120	0.8665		190	200	-5.0	30.0
Acrylonitrile	Ave	0.1695	0.1654		97.6	100	-2.4	30.0
trans-1,2-Dichloroethene	Ave	0.2971	0.3038	0.1000	20.4	20.0	2.2	30.0
Methyl tert-butyl ether	Ave	0.8992	0.8750	0.1000	19.5	20.0	-2.7	30.0
n-Hexane	Ave	0.3922	0.3592		18.3	20.0	-8.4	30.0
1,1-Dichloroethane	Ave	0.4854	0.5006	0.2000	20.6	20.0	3.1	30.0
Isopropyl ether	Ave	0.8284	0.7887		19.0	20.0	-4.8	30.0
2-Chloro-1,3-butadiene	Ave	0.3798	0.3551		18.7	20.0	-6.5	30.0
Ethyl t-butyl ether	Ave	0.8555	0.8296		19.4	20.0	-3.0	30.0
2-Butanone (MEK)	Ave	0.2008	0.2055	0.1000	256	250	2.4	30.0
cis-1,2-Dichloroethene	Ave	0.3445	0.3424	0.1000	19.9	20.0	-0.6	30.0
2,2-Dichloropropane	Ave	0.4471	0.4460		19.9	20.0	-0.3	30.0
Propionitrile	Ave	0.9600	0.9179		143	150	-4.4	30.0
Methyl acrylate	Ave	0.3595	0.3619		20.1	20.0	0.7	30.0
Methacrylonitrile	Ave	0.1587	0.1617		153	150	1.9	30.0
Bromochloromethane	Ave	0.1720	0.1730		20.1	20.0	0.6	30.0
Tetrahydrofuran	Ave	0.8202	0.7681		93.6	100	-6.4	30.0
Chloroform	Ave	0.5110	0.5106	0.2000	20.0	20.0	-0.0	30.0
1,1,1-Trichloroethane	Ave	0.4972	0.5032	0.1000	20.2	20.0	1.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-214589-1

SDG No.: _____

Lab Sample ID: ICV 410-624120/20

Calibration Date: 03/31/2025 17:24

Instrument ID: 7159

Calib Start Date: 03/31/2025 14:42

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

Calib End Date: 03/31/2025 16:43

Lab File ID: NM31X20.D

Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Cyclohexane	Ave	0.5855	0.5601	0.1000	19.1	20.0	-4.4	30.0
Carbon tetrachloride	Ave	0.4145	0.4146	0.1000	20.0	20.0	0.0	30.0
1,1-Dichloropropene	Ave	0.3951	0.3788		19.2	20.0	-4.1	30.0
Isobutyl alcohol	Ave	0.2690	0.2567		477	500	-4.6	30.0
Benzene	Ave	1.186	1.159	0.5000	19.5	20.0	-2.3	30.0
1,2-Dichloroethane	Ave	0.3652	0.3580	0.1000	19.6	20.0	-2.0	30.0
t-Amyl methyl ether	Ave	0.8370	0.8226		19.7	20.0	-1.7	30.0
n-Heptane	Ave	0.3328	0.3190		19.2	20.0	-4.1	30.0
n-Butanol	Ave	0.2180	0.2069		949	1000	-5.1	30.0
Trichloroethene	Ave	0.3028	0.2971	0.2000	19.6	20.0	-1.9	30.0
Ethyl acrylate	Ave	0.3353	0.3067		18.3	20.0	-8.5	30.0
Methylcyclohexane	Ave	0.6243	0.5997	0.1000	19.2	20.0	-3.9	30.0
t-Amyl ethyl ether	Ave	0.4320	0.4239		19.6	20.0	-1.9	30.0
1,2-Dichloropropane	Ave	0.2814	0.2779	0.1000	19.8	20.0	-1.2	30.0
Methyl methacrylate	Ave	0.2129	0.2047		19.2	20.0	-3.9	30.0
1,4-Dioxane	Ave	0.0746	0.0728	0.0050	488	500	-2.5	30.0
Dibromomethane	Ave	0.1877	0.1820		19.4	20.0	-3.0	30.0
Bromodichloromethane	Ave	0.3282	0.3129	0.2000	19.1	20.0	-4.7	30.0
2-Nitropropane	Ave	1.051	0.7094		13.5	20.0	-32.5*	30.0
2-Chloroethyl vinyl ether	Ave	0.1715	0.1658		19.3	20.0	-3.4	30.0
cis-1,3-Dichloropropene	Ave	0.3996	0.3642	0.2000	18.2	20.0	-8.9	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3741	0.3917	0.1000	262	250	4.7	30.0
Toluene	Ave	0.9527	0.9358	0.4000	19.6	20.0	-1.8	30.0
trans-1,3-Dichloropropene	Ave	0.4562	0.4371	0.1000	19.2	20.0	-4.2	30.0
Ethyl methacrylate	Ave	0.4697	0.4650		19.8	20.0	-1.0	30.0
1,1,2-Trichloroethane	Ave	0.3331	0.3316	0.1000	19.9	20.0	-0.5	30.0
Tetrachloroethene	Ave	0.4280	0.4239	0.2000	19.8	20.0	-1.0	30.0
1,3-Dichloropropane	Ave	0.5499	0.5324		19.4	20.0	-3.2	30.0
2-Hexanone	Ave	0.3336	0.3625	0.1000	272	250	8.7	30.0
Dibromochloromethane	Ave	0.3262	0.3123		19.1	20.0	-4.3	30.0
1,2-Dibromoethane (EDB)	Ave	0.3406	0.3344	0.1000	19.6	20.0	-1.8	30.0
1-Chlorohexane	Ave	0.5114	0.4825		18.9	20.0	-5.7	30.0
Chlorobenzene	Ave	1.068	1.043	0.5000	19.5	20.0	-2.4	30.0
1,1,1,2-Tetrachloroethane	Ave	0.4077	0.4094		20.1	20.0	0.4	30.0
Ethylbenzene	Ave	1.829	1.813	0.1000	19.8	20.0	-0.9	30.0
m&p-Xylene	Ave	0.7134	0.7086	0.1000	39.7	40.0	-0.7	30.0
n-Butyl acrylate	Ave	0.5526	0.5010		18.1	20.0	-9.3	30.0
o-Xylene	Ave	0.7510	0.7584	0.3000	20.2	20.0	1.0	30.0
Styrene	Ave	1.036	1.072	0.3000	20.7	20.0	3.5	30.0
Bromoform	Lin		0.1974	0.1000	18.2	20.0	-9.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-214589-1

SDG No.: _____

Lab Sample ID: ICV 410-624120/20

Calibration Date: 03/31/2025 17:24

Instrument ID: 7159

Calib Start Date: 03/31/2025 14:42

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

Calib End Date: 03/31/2025 16:43

Lab File ID: NM31X20.D

Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Isopropylbenzene	Ave	1.801	2.085	0.1000	23.2	20.0	15.8	30.0
Cyclohexanone	Ave	0.2448	0.2442		499	500	-0.3	30.0
1,1,2,2-Tetrachloroethane	Ave	1.043	1.026	0.3000	19.7	20.0	-1.6	30.0
Bromobenzene	Ave	0.8301	0.8064		19.4	20.0	-2.9	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2578	0.2619		102	100	1.6	30.0
1,2,3-Trichloropropane	Ave	0.3408	0.3321		19.5	20.0	-2.5	30.0
N-Propylbenzene	Ave	4.148	4.177		20.1	20.0	0.7	30.0
2-Chlorotoluene	Ave	0.8760	0.8589		19.6	20.0	-2.0	30.0
1,3,5-Trimethylbenzene	Ave	3.142	3.209		20.4	20.0	2.1	30.0
4-Chlorotoluene	Ave	0.8225	0.8055		19.6	20.0	-2.1	30.0
tert-Butylbenzene	Ave	0.6581	0.6607		20.1	20.0	0.4	30.0
1,2,4-Trimethylbenzene	Ave	3.097	3.120		20.2	20.0	0.8	30.0
sec-Butylbenzene	Ave	4.050	4.120		20.3	20.0	1.7	30.0
1,3-Dichlorobenzene	Ave	1.578	1.567	0.6000	19.9	20.0	-0.7	30.0
p-Isopropyltoluene	Ave	3.419	3.411		20.0	20.0	-0.2	30.0
1,4-Dichlorobenzene	Ave	1.574	1.529	0.5000	19.4	20.0	-2.9	30.0
1,2,3-Trimethylbenzene	Ave	3.332	3.276		19.7	20.0	-1.7	30.0
Benzyl chloride	Ave	1.545	1.395		18.1	20.0	-9.7	30.0
1,3-Diethylbenzene	Ave	1.894	1.953		20.6	20.0	3.1	30.0
1,4-Diethylbenzene	Ave	1.951	1.971		20.2	20.0	1.0	30.0
n-Butylbenzene	Ave	1.567	1.565		20.0	20.0	-0.1	30.0
1,2-Dichlorobenzene	Ave	1.575	1.568	0.4000	19.9	20.0	-0.5	30.0
1,2-Diethylbenzene	Ave	1.710	1.701		19.9	20.0	-0.5	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.2491	0.2297	0.0500	18.4	20.0	-7.8	30.0
1,3,5-Trichlorobenzene	Ave	1.152	1.131		19.6	20.0	-1.8	30.0
1,2,4-Trichlorobenzene	Ave	0.997	0.9896	0.2000	19.8	20.0	-0.8	30.0
2-Ethylhexyl acrylate	Lin1		0.6192		15.6	20.0	-22.0	30.0
Hexachlorobutadiene	Ave	0.4190	0.3986		19.0	20.0	-4.9	30.0
Naphthalene	Ave	3.679	3.746		20.4	20.0	1.8	30.0
1,2,3-Trichlorobenzene	Ave	1.020	0.9887		19.4	20.0	-3.1	30.0
2-Methylnaphthalene	Ave	1.936	2.031		21.0	20.0	4.9	30.0
Dibromofluoromethane (Surr)	Ave	0.2636	0.2654		50.3	50.0	0.7	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0656	0.0646		49.2	50.0	-1.5	30.0
Toluene-d8 (Surr)	Ave	1.299	1.313		50.5	50.0	1.1	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4733	0.4731		50.0	50.0	-0.0	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X20.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 31-Mar-2025 17:24:57 ALS Bottle#: 20 Worklist Smp#: 20
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0142514-020
 Operator ID: kas02648 Instrument ID: 7159
 Sublist:
 Method: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 01-Apr-2025 11:06:06 Calib Date: 31-Mar-2025 16:43:59
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1652

First Level Reviewer: UKAD

Date: 01-Apr-2025 11:06:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.061	2.067	-0.006	99	199547	20.0	21.6	
6 Chloromethane	50	2.270	2.276	-0.006	99	162341	20.0	22.9	
7 Vinyl chloride	62	2.395	2.408	-0.013	98	167380	20.0	22.2	
8 Butadiene	39	2.427	2.434	-0.007	88	131223	20.0	21.3	
10 Bromomethane	94	2.781	2.794	-0.013	90	164338	20.0	22.4	
11 Chloroethane	64	2.861	2.871	-0.010	99	109774	20.0	21.5	
12 Dichlorofluoromethane	67	3.167	3.170	-0.003	97	323720	20.0	21.7	
13 Trichlorofluoromethane	101	3.222	3.231	-0.009	96	233675	20.0	20.9	
14 Pentane	43	3.234	3.244	-0.010	98	162586	20.0	18.4	
16 Ethanol	45	3.431	3.434	-0.004	97	96759	1000.1	963.9	
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.601	3.614	-0.013	92	141284	20.0	20.6	
18 Acrolein	56	3.681	3.685	-0.004	100	240436	146.4	131.0	
19 1,1-Dichloroethene	96	3.842	3.839	0.003	97	115186	20.0	22.2	M
21 Acetone	58	3.874	3.874	0.000	100	220843	250.0	253.9	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.871	3.874	-0.003	84	123416	20.0	18.9	
23 Iodomethane	142	4.064	4.067	-0.003	99	198319	20.0	19.0	Ma
24 Isopropyl alcohol	45	4.064	4.067	-0.003	49	133660	150.0	139.0	
25 Carbon disulfide	76	4.199	4.205	-0.006	99	298934	20.0	19.1	
26 Methyl acetate	43	4.340	4.340	0.000	97	96703	20.0	19.7	
27 3-Chloro-1-propene	41	4.363	4.363	0.000	95	117959	20.0	18.3	
28 Methylene Chloride	84	4.585	4.594	-0.009	94	126176	20.0	20.8	Ma
* 29 t-Butyl alcohol-d10 (IS)	65	4.614	4.636	-0.022	93	358148	250.0	250.0	
30 2-Methyl-2-propanol	59	4.758	4.771	-0.013	96	248272	200.0	190.0	M
32 Acrylonitrile	53	4.951	4.948	0.003	99	278483	100.0	97.6	
33 Methyl tert-butyl ether	73	4.993	4.987	0.006	95	294621	20.0	19.5	
34 trans-1,2-Dichloroethene	96	4.990	4.996	-0.006	98	102277	20.0	20.4	M
36 Hexane	57	5.418	5.421	-0.003	90	120955	20.0	18.3	
37 1,1-Dichloroethane	63	5.672	5.672	0.000	95	168560	20.0	20.6	Ma
38 Isopropyl ether	45	5.726	5.729	-0.003	94	265549	20.0	19.0	
39 2-Chloro-1,3-butadiene	53	5.774	5.775	0.000	90	119578	20.0	18.7	
41 Tert-butyl ethyl ether	59	6.260	6.263	-0.003	97	279313	20.0	19.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
43 2-Butanone (MEK)	43	6.482	6.485	-0.003	99	864965	250.0	255.9	
44 cis-1,2-Dichloroethene	96	6.498	6.501	-0.003	77	115295	20.0	19.9	
45 2,2-Dichloropropane	77	6.527	6.520	0.007	86	150156	20.0	19.9	a
46 Propionitrile	54	6.588	6.594	-0.006	95	197252	150.0	143.4	
183 Methyl acrylate	55	6.601	6.607	-0.006	97	121678	20.0	20.1	
47 Methacrylonitrile	67	6.794	6.794	0.000	88	408346	150.0	152.9	a
48 Chlorobromomethane	128	6.829	6.832	-0.003	92	58255	20.0	20.1	
49 Tetrahydrofuran	71	6.839	6.842	-0.003	76	110032	100.0	93.6	
50 Chloroform	83	6.977	6.980	-0.003	93	171926	20.0	20.0	
\$ 51 Dibromofluoromethane (Surr)	113	7.189	7.192	-0.003	94	223423	50.0	50.3	
52 1,1,1-Trichloroethane	97	7.202	7.205	-0.003	98	169424	20.0	20.2	
53 Cyclohexane	56	7.289	7.292	-0.003	90	188573	20.0	19.1	
56 Carbon tetrachloride	117	7.405	7.408	-0.003	96	139607	20.0	20.0	
55 1,1-Dichloropropene	75	7.408	7.411	-0.003	96	127527	20.0	19.2	
57 Isobutyl alcohol	41	7.578	7.572	0.006	97	183882	500.0	477.1	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.643	7.643	0.000	0	54356	50.0	49.2	
60 Benzene	78	7.672	7.675	-0.003	96	390288	20.0	19.5	
61 1,2-Dichloroethane	62	7.749	7.752	-0.003	98	120537	20.0	19.6	
62 Tert-amyl methyl ether	73	7.858	7.861	-0.003	99	276975	20.0	19.7	
64 n-Heptane	43	8.067	8.070	-0.003	77	107421	20.0	19.2	
* 63 Fluorobenzene (IS)	96	8.070	8.073	-0.003	98	841743	50.0	50.0	
66 n-Butanol	56	8.430	8.434	-0.004	89	296411	1000.0	949.2	
67 Trichloroethene	95	8.533	8.536	-0.003	97	100037	20.0	19.6	
178 Ethyl acrylate	55	8.652	8.655	-0.003	99	103090	20.0	18.3	
68 Methylcyclohexane	83	8.836	8.839	-0.003	88	201923	20.0	19.2	
70 2-ethoxy-2-methyl butane	87	8.868	8.871	-0.003	94	142740	20.0	19.6	
69 1,2-Dichloropropane	63	8.877	8.877	0.000	90	93566	20.0	19.8	
71 Methyl methacrylate	69	8.948	8.951	-0.003	89	68912	20.0	19.2	
72 1,4-Dioxane	88	8.958	8.961	-0.003	69	52114	500.0	487.6	
73 Dibromomethane	93	8.983	8.983	0.000	96	61276	20.0	19.4	
75 Dichlorobromomethane	83	9.212	9.209	0.004	100	105367	20.0	19.1	
76 2-Nitropropane	41	9.482	9.482	0.000	99	20327	20.0	13.5	
78 2-Chloroethyl vinyl ether	63	9.549	9.549	0.000	92	55809	20.0	19.3	
79 cis-1,3-Dichloropropene	75	9.723	9.723	0.000	97	122612	20.0	18.2	
80 4-Methyl-2-pentanone (MIBK)	43	9.890	9.890	0.000	95	1648564	250.0	261.8	
\$ 81 Toluene-d8 (Surr)	98	10.009	10.012	-0.003	92	805763	50.0	50.5	
82 Toluene	92	10.080	10.083	-0.003	98	229709	20.0	19.6	
105 trans-1,3-Dichloropropene	75	10.324	10.327	-0.003	91	107295	20.0	19.2	
106 Ethyl methacrylate	69	10.379	10.382	-0.003	88	114151	20.0	19.8	
107 1,1,2-Trichloroethane	97	10.524	10.524	0.000	90	81387	20.0	19.9	
108 Tetrachloroethene	166	10.601	10.601	0.000	97	104051	20.0	19.8	
109 1,3-Dichloropropane	76	10.681	10.681	0.000	87	130694	20.0	19.4	
110 2-Hexanone	43	10.729	10.729	0.000	95	1112394	250.0	271.7	
111 Chlorodibromomethane	129	10.884	10.884	0.000	89	76664	20.0	19.1	
112 Ethylene Dibromide	107	10.996	10.996	0.000	99	82095	20.0	19.6	
* 114 Chlorobenzene-d5 (IS)	117	11.408	11.408	0.000	84	613661	50.0	50.0	
115 1-Chlorohexane	91	11.408	11.411	-0.003	94	118429	20.0	18.9	
116 Chlorobenzene	112	11.434	11.434	0.000	97	255995	20.0	19.5	
117 1,1,1,2-Tetrachloroethane	131	11.511	11.514	-0.003	95	100488	20.0	20.1	
118 Ethylbenzene	91	11.514	11.514	0.000	98	444913	20.0	19.8	
119 m-Xylene & p-Xylene	106	11.623	11.623	0.000	0	347895	40.0	39.7	
272 n-Butyl acrylate	55	11.890	11.890	0.000	97	122745	20.0	18.1	

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	11.945	11.945	0.000	96	186167	20.0	20.2	
121 Styrene	104	11.961	11.961	0.000	94	263228	20.0	20.7	
122 Bromoform	173	12.118	12.118	0.000	97	48452	20.0	18.2	
123 Isopropylbenzene	105	12.237	12.237	0.000	95	511874	20.0	23.2	
124 Cyclohexanone	55	12.324	12.324	0.000	90	174889	500.0	498.7	
\$ 125 4-Bromofluorobenzene (Surr)	95	12.379	12.379	0.000	90	290327	50.0	50.0	
126 1,1,2,2-Tetrachloroethane	83	12.479	12.479	-0.001	94	133345	20.0	19.7	
127 Bromobenzene	156	12.498	12.498	0.000	97	104764	20.0	19.4	
128 trans-1,4-Dichloro-2-butene	53	12.504	12.504	0.000	91	170149	100.0	101.6	
129 1,2,3-Trichloropropane	110	12.524	12.527	-0.003	83	43147	20.0	19.5	
130 N-Propylbenzene	91	12.559	12.559	0.000	99	542677	20.0	20.1	
131 2-Chlorotoluene	126	12.636	12.636	0.000	97	111582	20.0	19.6	
132 1,3,5-Trimethylbenzene	105	12.691	12.691	0.000	95	416895	20.0	20.4	
133 4-Chlorotoluene	126	12.726	12.729	-0.003	97	104648	20.0	19.6	
134 tert-Butylbenzene	134	12.932	12.932	0.000	92	85829	20.0	20.1	
136 1,2,4-Trimethylbenzene	105	12.970	12.970	0.000	97	405354	20.0	20.2	
137 sec-Butylbenzene	105	13.089	13.089	0.000	94	535165	20.0	20.3	
138 1,3-Dichlorobenzene	146	13.189	13.189	0.000	98	203608	20.0	19.9	
139 4-Isopropyltoluene	119	13.196	13.196	0.000	97	443175	20.0	20.0	
* 140 1,4-Dichlorobenzene-d4	152	13.244	13.244	0.000	94	324774	50.0	50.0	
141 1,4-Dichlorobenzene	146	13.263	13.263	0.000	95	198618	20.0	19.4	
142 1,2,3-Trimethylbenzene	105	13.273	13.273	0.000	98	425519	20.0	19.7	
143 Benzyl chloride	91	13.340	13.340	0.000	98	181274	20.0	18.1	
144 1,3-Diethylbenzene	119	13.392	13.392	0.000	97	253662	20.0	20.6	
145 p-Diethylbenzene	119	13.462	13.462	0.000	93	256036	20.0	20.2	
146 n-Butylbenzene	92	13.482	13.482	0.000	97	203293	20.0	20.0	a
147 1,2-Dichlorobenzene	146	13.520	13.520	0.000	98	203652	20.0	19.9	
148 o-diethylbenzene	119	13.536	13.536	0.000	95	221011	20.0	19.9	
150 1,2-Dibromo-3-Chloropropane	75	14.057	14.057	0.000	86	29834	20.0	18.4	
151 1,3,5-Trichlorobenzene	180	14.176	14.176	0.000	98	146972	20.0	19.6	
152 1,2,4-Trichlorobenzene	180	14.597	14.597	0.000	94	128564	20.0	19.8	
267 2-Ethylhexyl acrylate	55	14.652	14.652	0.000	82	80471	20.0	15.6	
153 Hexachlorobutadiene	225	14.678	14.678	0.000	96	51787	20.0	19.0	
154 Naphthalene	128	14.784	14.787	-0.003	97	486696	20.0	20.4	
155 1,2,3-Trichlorobenzene	180	14.929	14.929	0.000	95	128438	20.0	19.4	
156 2-Methylnaphthalene	142	15.581	15.581	0.000	92	263866	20.0	21.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LCS_VOC#1_00214	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00222	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00220	Amount Added: 50.00	Units: uL	
MSV_LCS_OH_Sp_00026	Amount Added: 50.00	Units: uL	
MSV_LCS_CYC_00011	Amount Added: 50.00	Units: uL	
MSV_LCS_ETOH_00010	Amount Added: 50.00	Units: uL	
MSV_QC_2K_GAS_00292	Amount Added: 1.00	Units: uL	
MSV_Cent_ISSS_00035	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 01-Apr-2025 11:06:20

Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X20.D

Injection Date: 31-Mar-2025 17:24:57

Instrument ID: 7159

Operator ID: kas02648

Lims ID: ICV

Worklist Smp#: 20

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

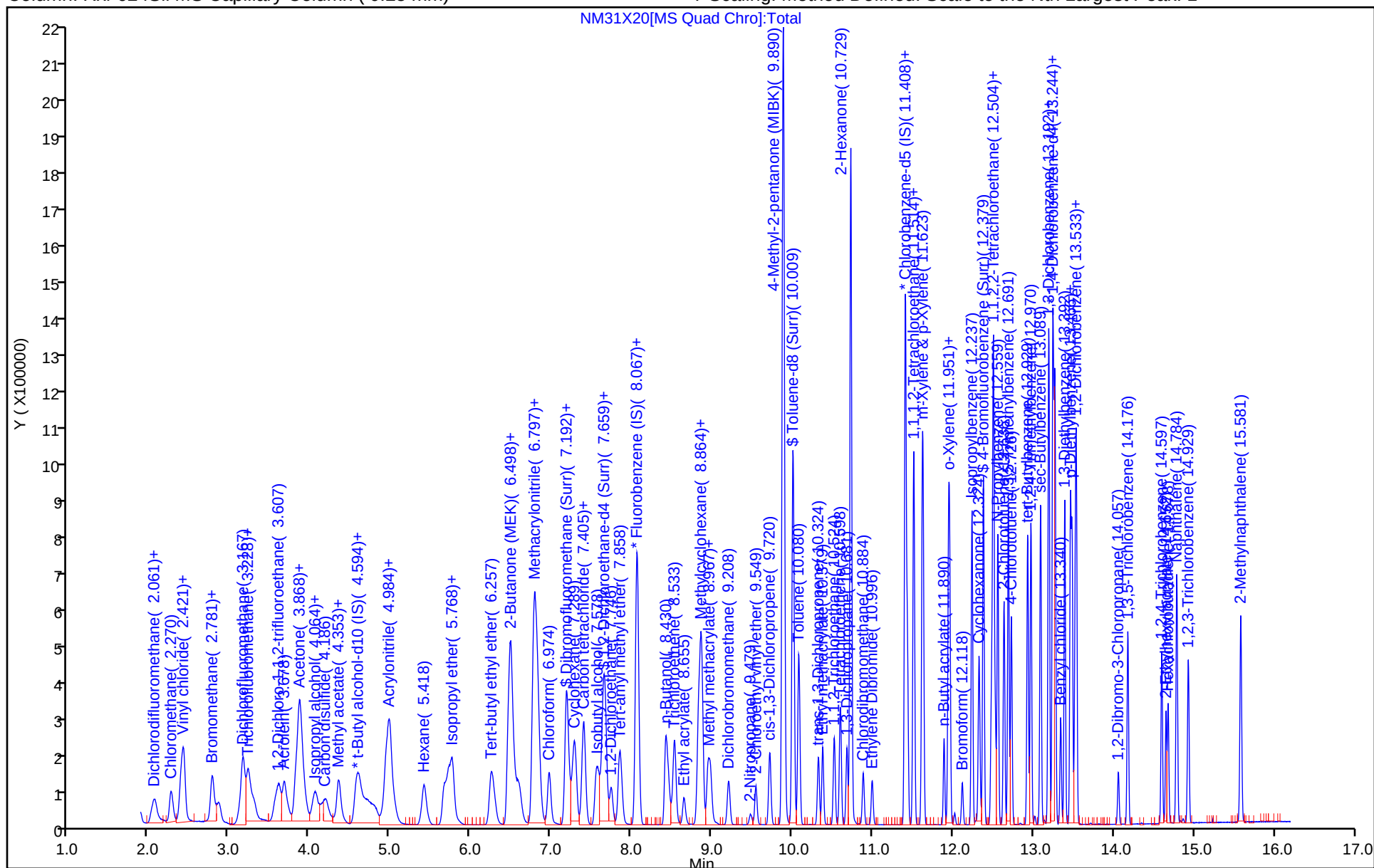
ALS Bottle#: 20

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC

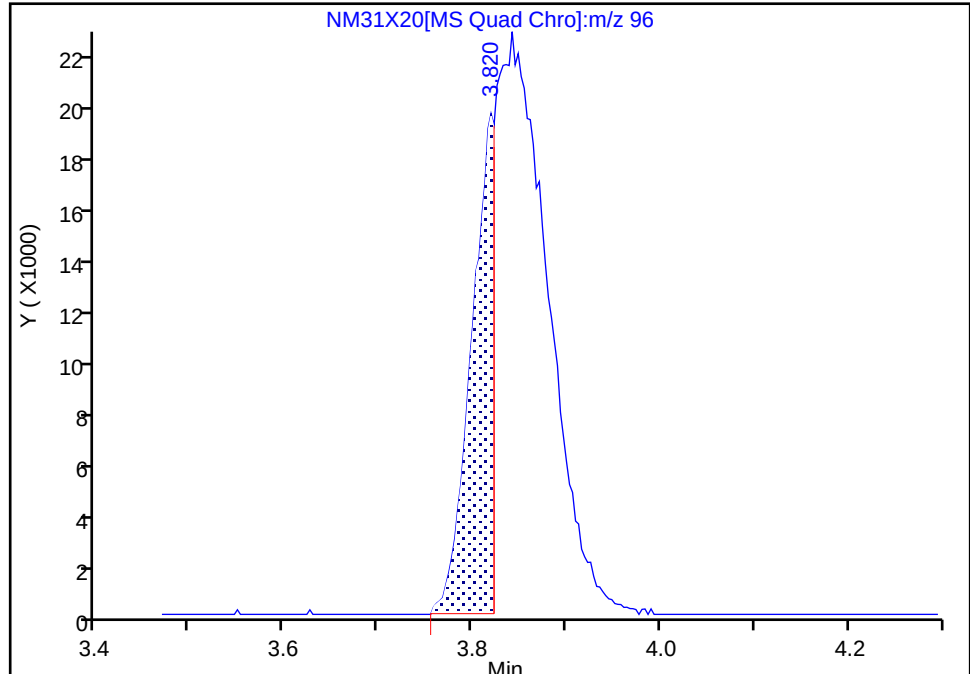
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X20.D
Injection Date: 31-Mar-2025 17:24:57 Instrument ID: 7159
Lims ID: ICV
Client ID:
Operator ID: kas02648 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

19 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

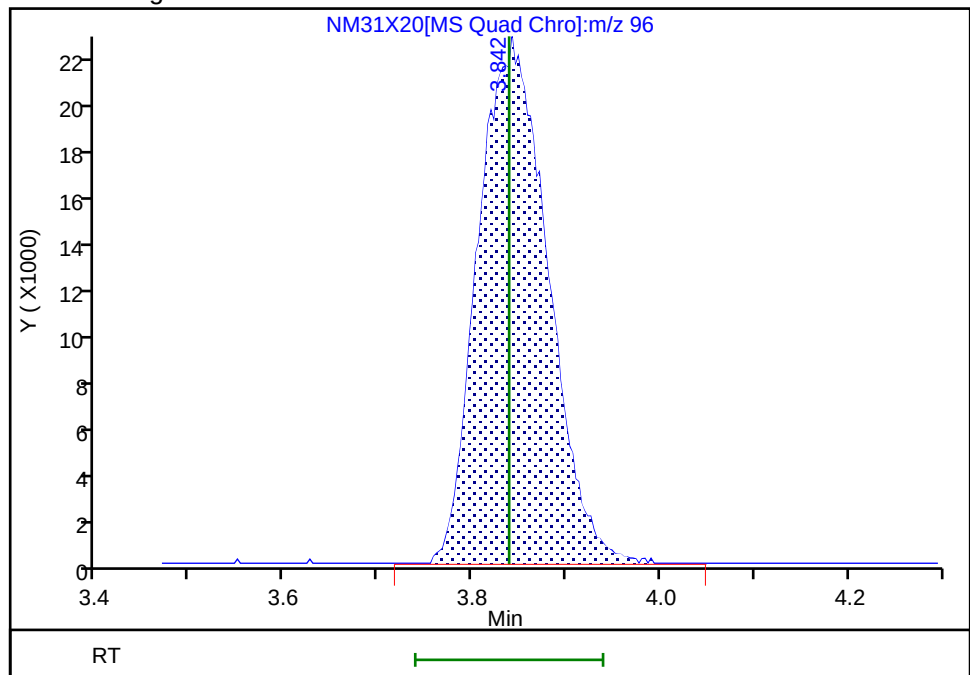
RT: 3.82
Area: 32796
Amount: 6.325161
Amount Units: ug/l

Processing Integration Results



RT: 3.84
Area: 115186
Amount: 22.215208
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 19:11:05 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

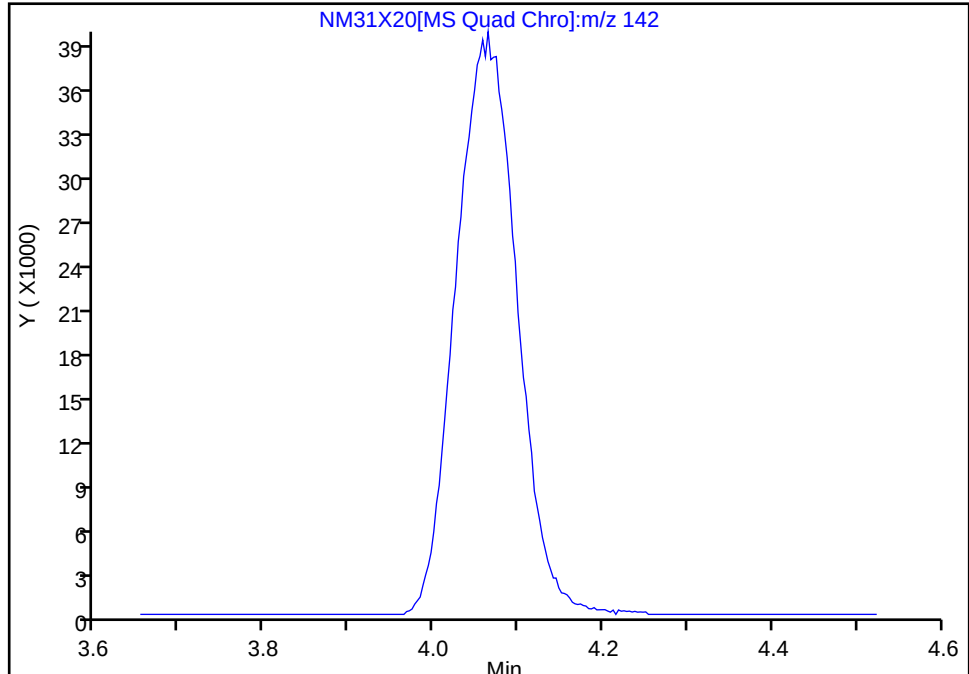
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X20.D
Injection Date: 31-Mar-2025 17:24:57 Instrument ID: 7159
Lims ID: ICV
Client ID:
Operator ID: kas02648 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

23 Iodomethane, CAS: 74-88-4

Signal: 1

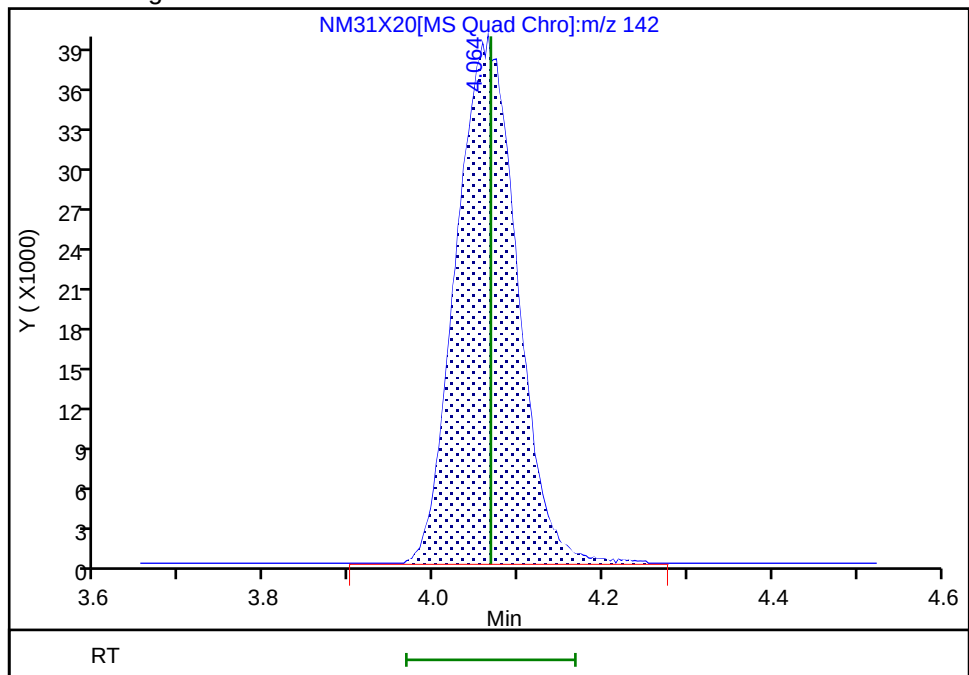
Not Detected
Expected RT: 4.07

Processing Integration Results



RT: 4.06
Area: 198319
Amount: 18.969558
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 19:11:23 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

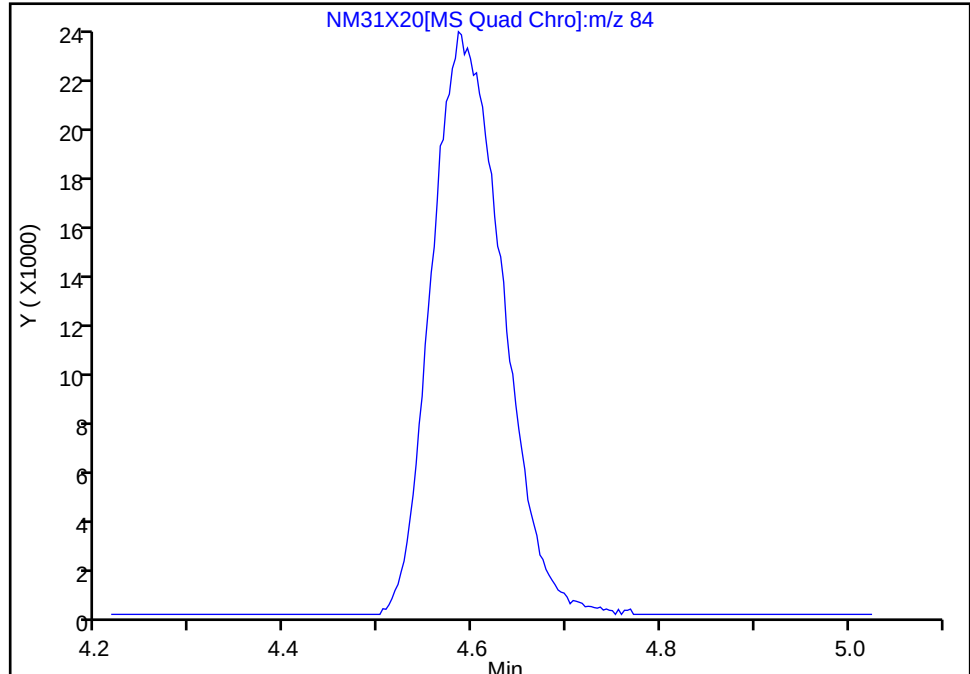
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X20.D
Injection Date: 31-Mar-2025 17:24:57 Instrument ID: 7159
Lims ID: ICV
Client ID:
Operator ID: kas02648 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

28 Methylene Chloride, CAS: 75-09-2

Signal: 1

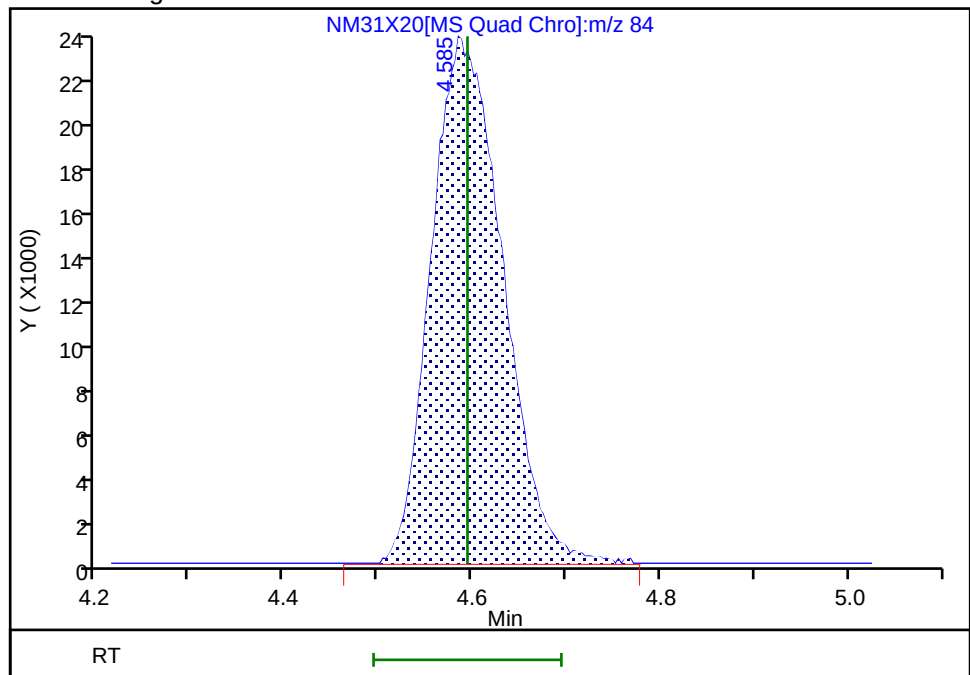
Not Detected
Expected RT: 4.59

Processing Integration Results



RT: 4.58
Area: 126176
Amount: 20.820653
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 19:11:38 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

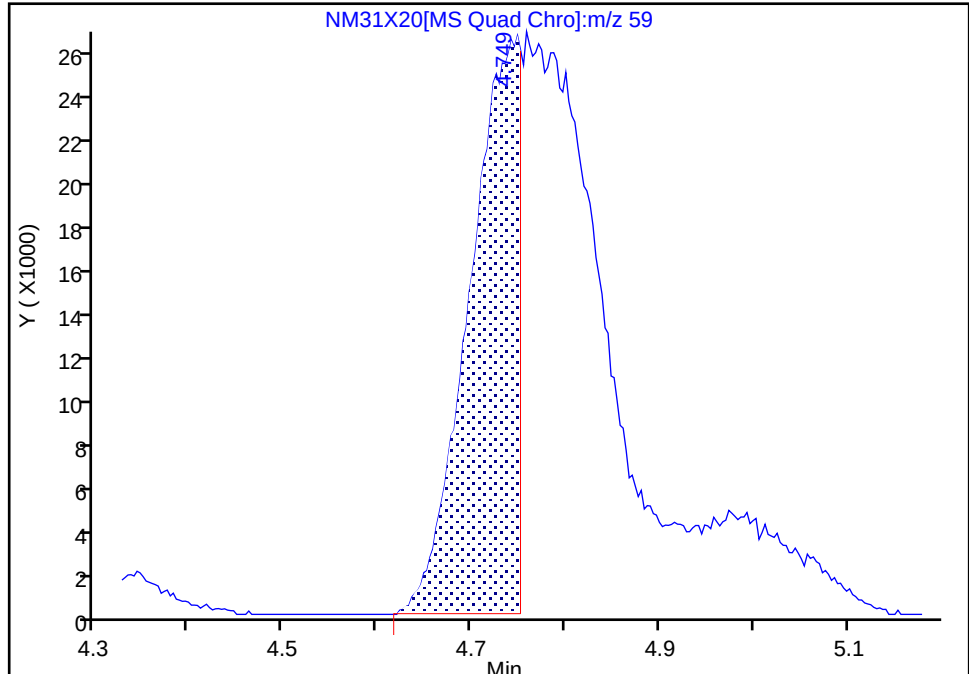
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X20.D
Injection Date: 31-Mar-2025 17:24:57 Instrument ID: 7159
Lims ID: ICV
Client ID:
Operator ID: kas02648 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

30 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

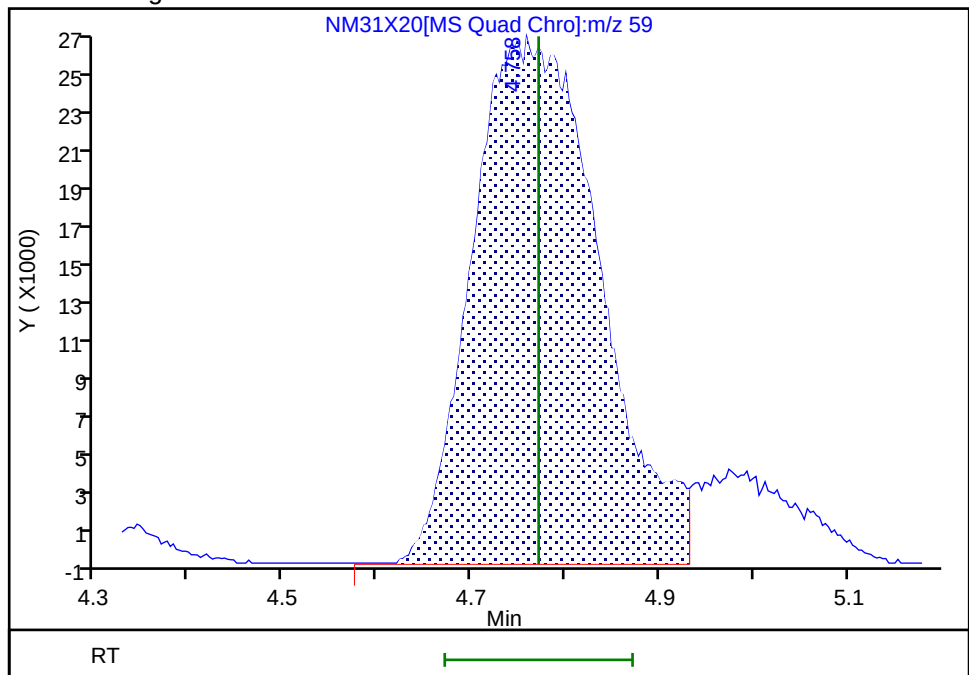
RT: 4.75
Area: 96882
Amount: 74.149127
Amount Units: ug/l

Processing Integration Results



RT: 4.76
Area: 248272
Amount: 190.0162
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 19:11:55 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

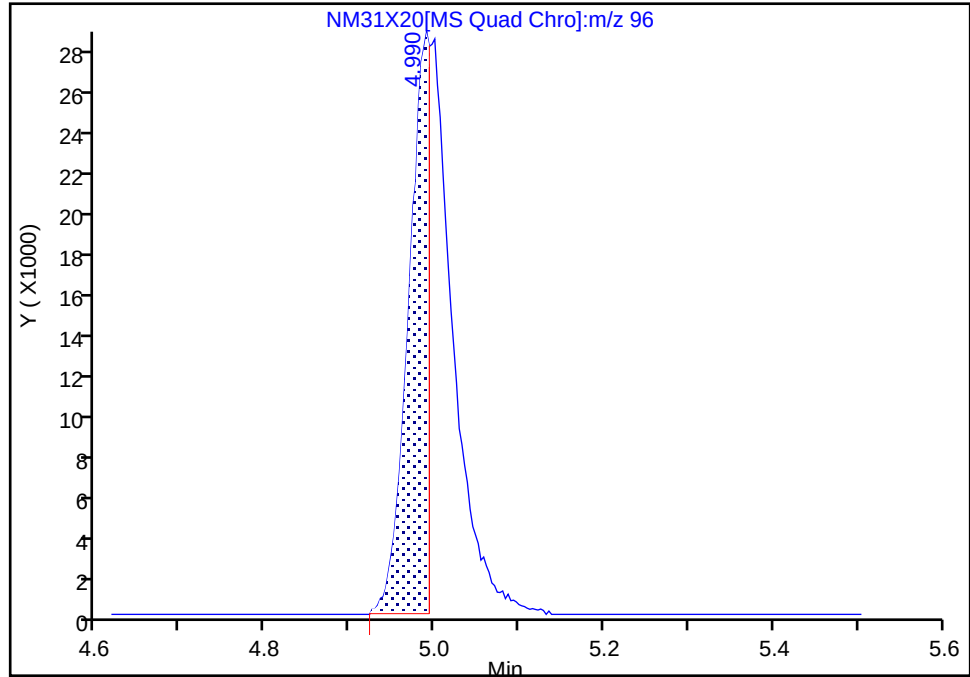
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X20.D
Injection Date: 31-Mar-2025 17:24:57 Instrument ID: 7159
Lims ID: ICV
Client ID:
Operator ID: kas02648 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

34 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

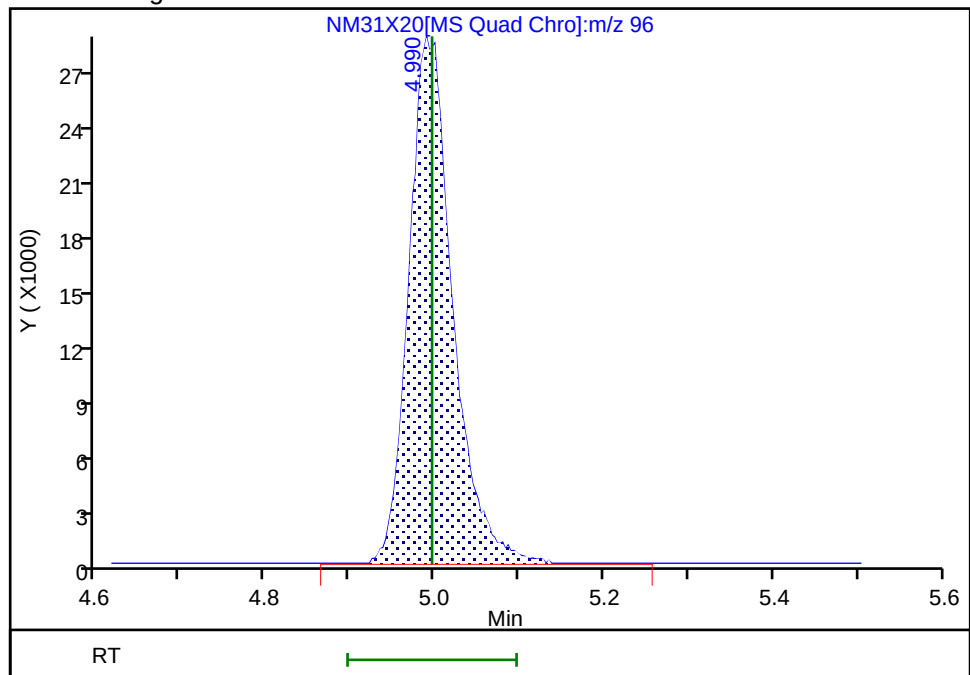
RT: 4.99
Area: 49186
Amount: 9.833484
Amount Units: ug/l

Processing Integration Results



RT: 4.99
Area: 102277
Amount: 20.447672
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 19:12:09 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

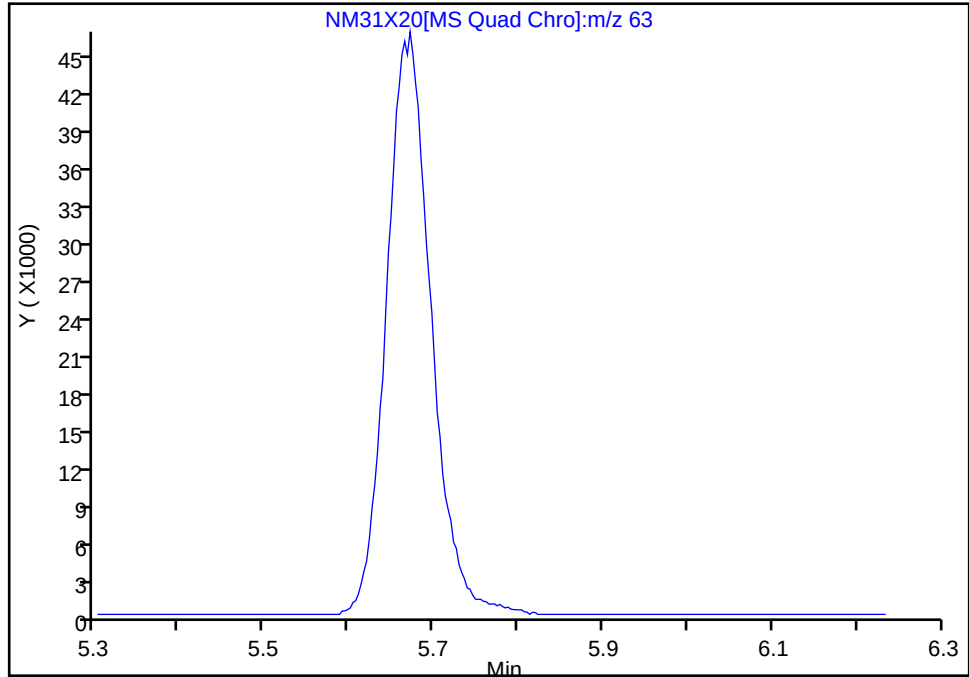
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X20.D
Injection Date: 31-Mar-2025 17:24:57 Instrument ID: 7159
Lims ID: ICV
Client ID:
Operator ID: kas02648 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

37 1,1-Dichloroethane, CAS: 75-34-3

Signal: 1

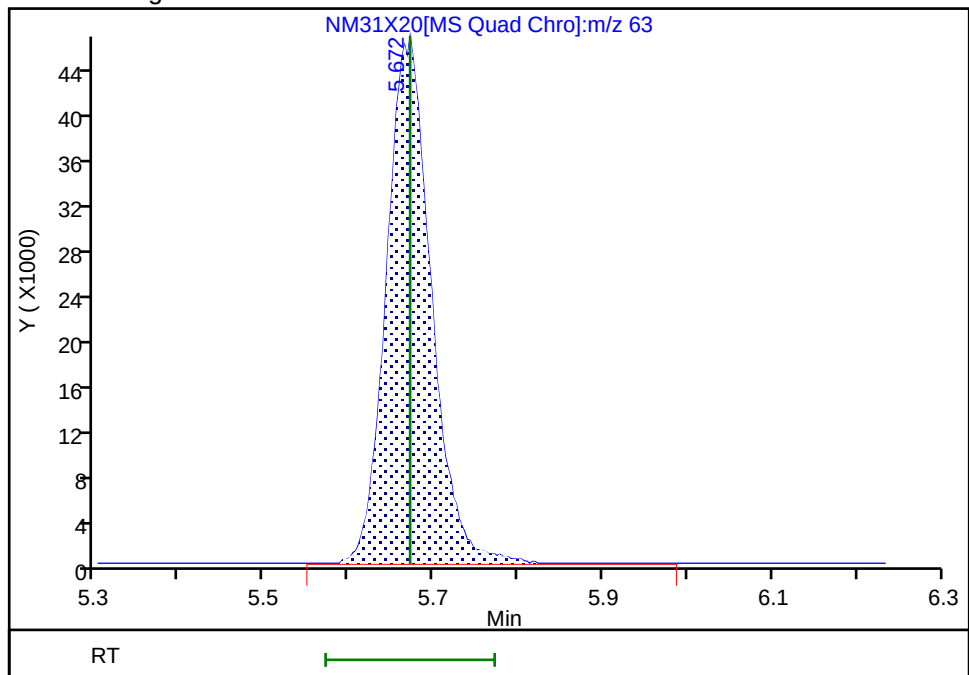
Not Detected
Expected RT: 5.67

Processing Integration Results



RT: 5.67
Area: 168560
Amount: 20.627548
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 19:12:30 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

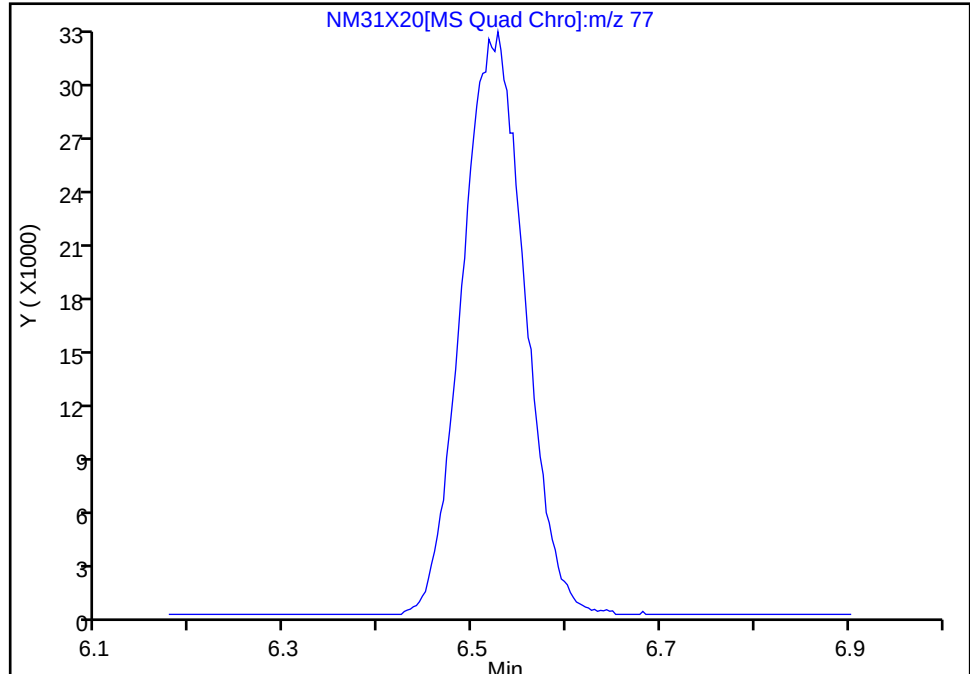
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X20.D
Injection Date: 31-Mar-2025 17:24:57 Instrument ID: 7159
Lims ID: ICV
Client ID:
Operator ID: kas02648 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

45 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

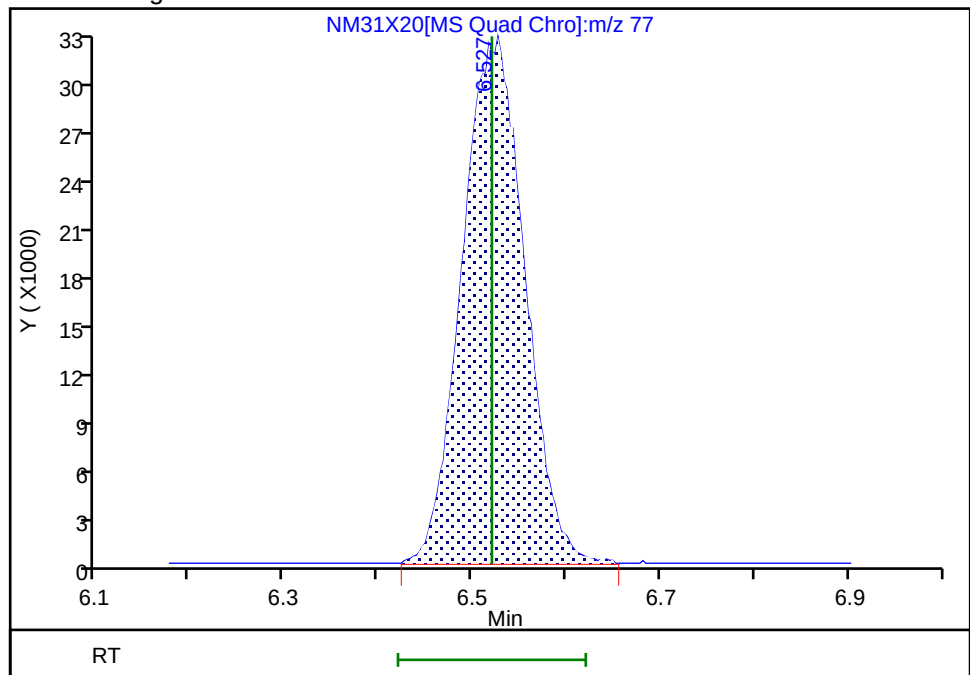
Not Detected
Expected RT: 6.52

Processing Integration Results



RT: 6.53
Area: 150156
Amount: 19.947768
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 19:12:39 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

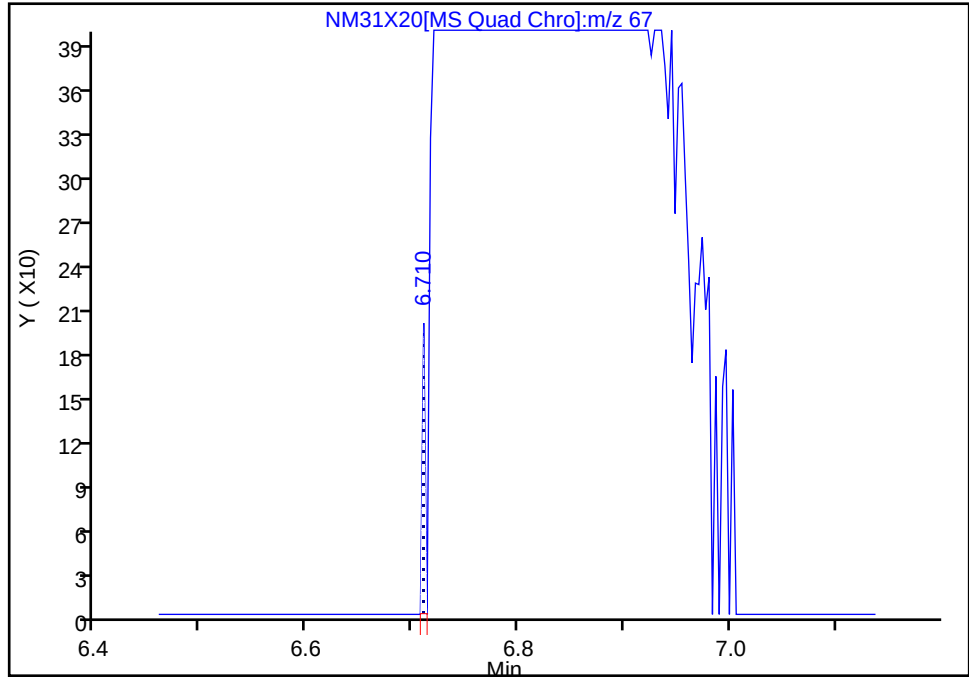
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X20.D
Injection Date: 31-Mar-2025 17:24:57 Instrument ID: 7159
Lims ID: ICV
Client ID:
Operator ID: kas02648 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

47 Methacrylonitrile, CAS: 126-98-7

Signal: 1

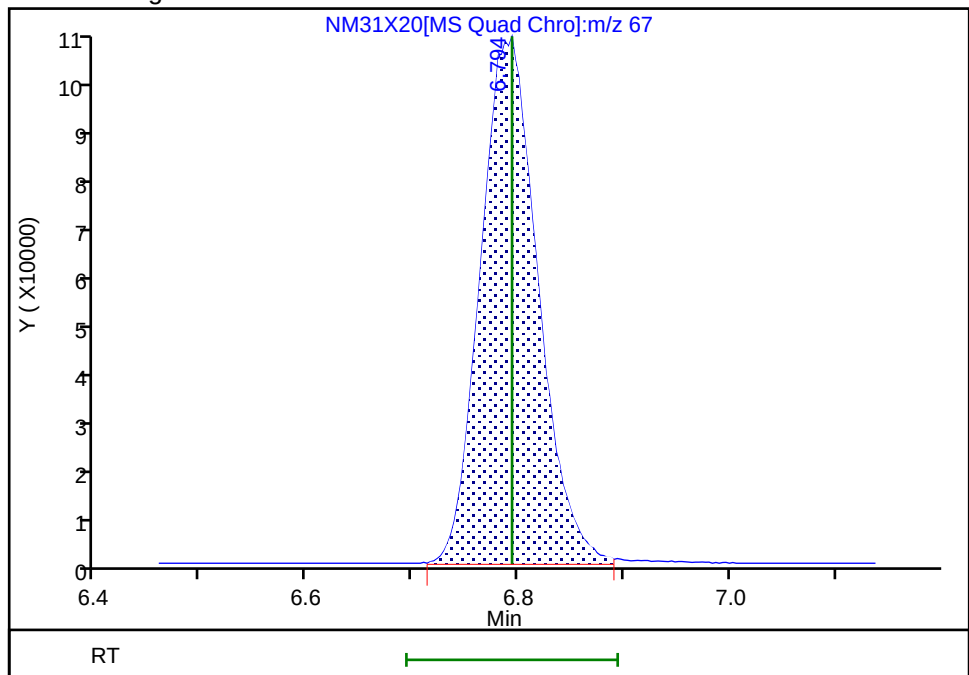
RT: 6.71
Area: 38
Amount: 0.014226
Amount Units: ug/l

Processing Integration Results



RT: 6.79
Area: 408346
Amount: 152.8670
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 19:12:46 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

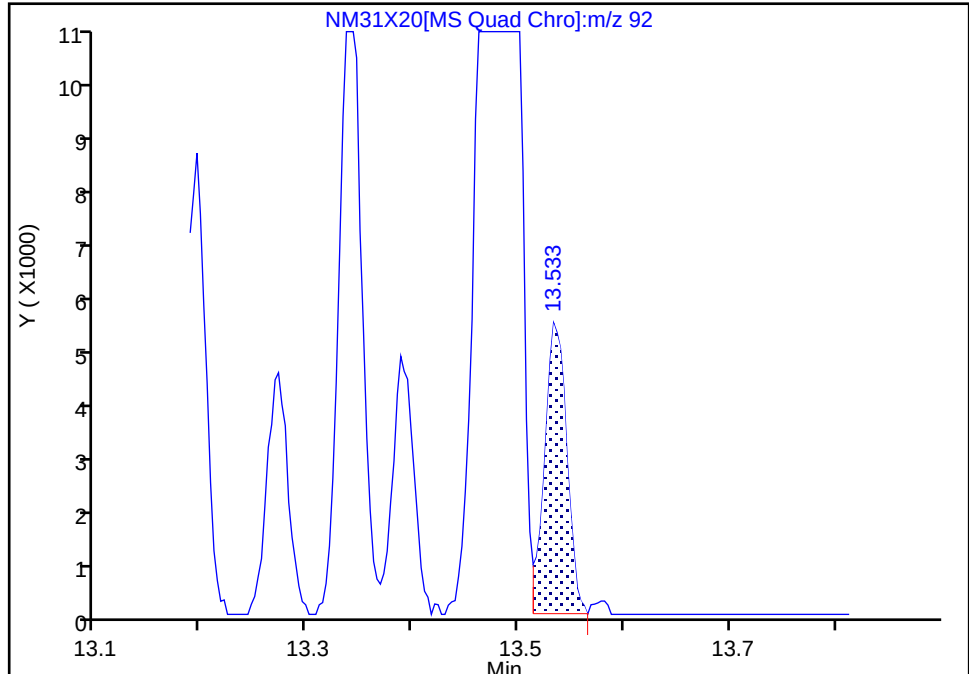
Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X20.D
Injection Date: 31-Mar-2025 17:24:57 Instrument ID: 7159
Lims ID: ICV
Client ID:
Operator ID: kas02648 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

146 n-Butylbenzene, CAS: 104-51-8

Signal: 1

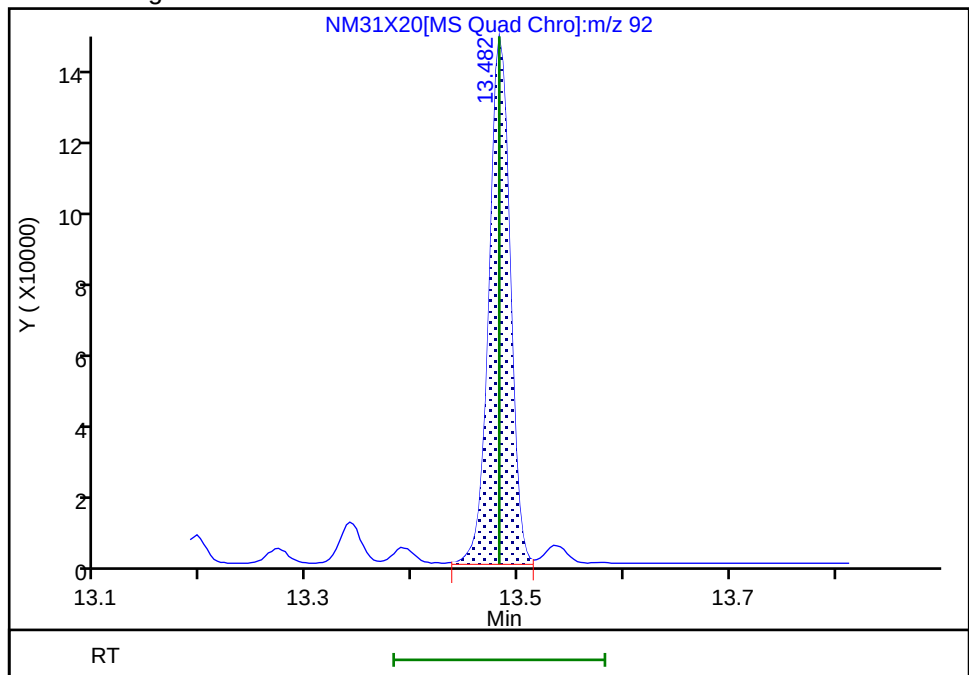
RT: 13.53
Area: 7363
Amount: 0.723428
Amount Units: ug/l

Processing Integration Results



RT: 13.48
Area: 203293
Amount: 19.973894
Amount Units: ug/l

Manual Integration Results



Reviewer: UKAD, 31-Mar-2025 19:13:22 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-214589-1

SDG No.:

Lab Sample ID: CCVIS 410-626753/3

Calibration Date: 04/05/2025 09:19

Instrument ID: 7159

Calib Start Date: 03/31/2025 14:42

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

Calib End Date: 03/31/2025 16:43

Lab File ID: NA05X02.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	0.5486	0.6292	0.1000	57.3	50.0	14.7	20.0
Chloromethane	Ave	0.4216	0.5275	0.1000	62.5	50.0	25.1*	20.0
Vinyl chloride	Ave	0.4476	0.5386	0.1000	60.2	50.0	20.3*	20.0
1,3-Butadiene	Ave	0.3657	0.4625		63.2	50.0	26.5*	20.0
Bromomethane	Ave	0.4352	0.4496	0.1000	51.6	50.0	3.3	20.0
Chloroethane	Ave	0.3035	0.3254	0.1000	53.6	50.0	7.2	20.0
Dichlorofluoromethane	Ave	0.8868	0.9444		53.3	50.0	6.5	20.0
Trichlorofluoromethane	Ave	0.6655	0.6803	0.1000	51.1	50.0	2.2	20.0
n-Pentane	Ave	0.5250	0.5025		47.9	50.0	-4.3	20.0
Freon 123a	Ave	0.4067	0.4162		51.2	50.0	2.3	20.0
Acrolein	Ave	1.281	1.398		533	488	9.2	20.0
1,1-Dichloroethene	Ave	0.3080	0.3006	0.1000	48.8	50.0	-2.4	20.0
Freon 113	Ave	0.3878	0.3742	0.1000	48.3	50.0	-3.5	20.0
Acetone	Ave	0.6072	0.7148	0.1000	118	100	17.7	20.0
Methyl iodide	Ave	0.6210	0.6036		48.6	50.0	-2.8	20.0
2-Propanol	Ave	0.6712	0.5387		201	250	-19.7	20.0
Carbon disulfide	Ave	0.9293	0.9653	0.1000	51.9	50.0	3.9	20.0
Methyl acetate	Ave	0.2920	0.3114	0.1000	53.3	50.0	6.6	20.0
Allyl chloride	Ave	0.3831	0.4092		53.4	50.0	6.8	20.0
Methylene Chloride	Ave	0.3600	0.3593	0.1000	49.9	50.0	-0.2	20.0
t-Butyl alcohol	Ave	0.9120	0.9283		254	250	1.8	20.0
Acrylonitrile	Ave	0.1695	0.1805		133	125	6.5	20.0
Methyl tert-butyl ether	Ave	0.8992	0.8550	0.1000	47.5	50.0	-4.9	20.0
trans-1,2-Dichloroethene	Ave	0.2971	0.2908	0.1000	48.9	50.0	-2.1	20.0
n-Hexane	Ave	0.3922	0.3839		48.9	50.0	-2.1	20.0
1,1-Dichloroethane	Ave	0.4854	0.4965	0.2000	51.1	50.0	2.3	20.0
Isopropyl ether	Ave	0.8284	0.8822		53.2	50.0	6.5	20.0
2-Chloro-1,3-butadiene	Ave	0.3798	0.3965		52.2	50.0	4.4	20.0
Ethyl t-butyl ether	Ave	0.8555	0.8037		47.0	50.0	-6.1	20.0
2-Butanone (MEK)	Ave	0.2008	0.1911	0.1000	95.2	100	-4.8	20.0
cis-1,2-Dichloroethene	Ave	0.3445	0.3358	0.1000	48.7	50.0	-2.5	20.0
2,2-Dichloropropane	Ave	0.4471	0.4544		50.8	50.0	1.6	20.0
Propionitrile	Ave	0.9600	1.111		289	250	15.7	20.0
Methacrylonitrile	Ave	0.1587	0.1666		131	125	5.0	20.0
Bromochloromethane	Ave	0.1720	0.1689		49.1	50.0	-1.8	20.0
Tetrahydrofuran	Ave	0.8202	0.9661		294	250	17.8	20.0
Chloroform	Ave	0.5110	0.5138	0.2000	50.3	50.0	0.5	20.0
1,1,1-Trichloroethane	Ave	0.4972	0.4899	0.1000	49.3	50.0	-1.5	20.0
Cyclohexane	Ave	0.5855	0.5766	0.1000	49.2	50.0	-1.5	20.0
Carbon tetrachloride	Ave	0.4145	0.4121	0.1000	49.7	50.0	-0.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-214589-1

SDG No.:

Lab Sample ID: CCVIS 410-626753/3

Calibration Date: 04/05/2025 09:19

Instrument ID: 7159

Calib Start Date: 03/31/2025 14:42

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

Calib End Date: 03/31/2025 16:43

Lab File ID: NA05X02.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	0.3951	0.3916		49.6	50.0	-0.9	20.0
Isobutyl alcohol	Ave	0.2690	0.3265		759	625	21.4*	20.0
Benzene	Ave	1.186	1.191	0.5000	50.2	50.0	0.4	20.0
1,2-Dichloroethane	Ave	0.3652	0.3754	0.1000	51.4	50.0	2.8	20.0
t-Amyl methyl ether	Ave	0.8370	0.7819		46.7	50.0	-6.6	20.0
n-Heptane	Ave	0.3328	0.3456		51.9	50.0	3.8	20.0
n-Butanol	Ave	0.2180	0.2208		633	625	1.3	20.0
Trichloroethene	Ave	0.3028	0.2953	0.2000	48.7	50.0	-2.5	20.0
Methylcyclohexane	Ave	0.6243	0.5932	0.1000	47.5	50.0	-5.0	20.0
t-Amyl ethyl ether	Ave	0.4320	0.4208		48.7	50.0	-2.6	20.0
1,2-Dichloropropane	Ave	0.2814	0.2940	0.1000	52.2	50.0	4.5	20.0
Methyl methacrylate	Ave	0.2129	0.2190		51.4	50.0	2.9	20.0
1,4-Dioxane	Ave	0.0746	0.0785	0.0050	658	625	5.3	20.0
Dibromomethane	Ave	0.1877	0.1888		50.3	50.0	0.6	20.0
Bromodichloromethane	Ave	0.3282	0.3296	0.2000	50.2	50.0	0.4	20.0
2-Nitropropane	Ave	1.051	1.410		336	250	34.2*	20.0
2-Chloroethyl vinyl ether	Ave	0.1715	0.1749		51.0	50.0	2.0	20.0
cis-1,3-Dichloropropene	Ave	0.3996	0.4028	0.2000	50.4	50.0	0.8	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3741	0.3837	0.1000	103	100	2.6	20.0
Toluene	Ave	0.9527	0.9541	0.4000	50.1	50.0	0.1	20.0
trans-1,3-Dichloropropene	Ave	0.4562	0.4720	0.1000	51.7	50.0	3.5	20.0
Ethyl methacrylate	Ave	0.4697	0.5153		54.9	50.0	9.7	20.0
1,1,2-Trichloroethane	Ave	0.3331	0.3409	0.1000	51.2	50.0	2.4	20.0
Tetrachloroethene	Ave	0.4280	0.4054	0.2000	47.4	50.0	-5.3	20.0
1,3-Dichloropropane	Ave	0.5499	0.5618		51.1	50.0	2.2	20.0
2-Hexanone	Ave	0.3336	0.3476	0.1000	104	100	4.2	20.0
Dibromochloromethane	Ave	0.3262	0.3317		50.8	50.0	1.7	20.0
1,2-Dibromoethane (EDB)	Ave	0.3406	0.3407	0.1000	50.0	50.0	0.0	20.0
1-Chlorohexane	Ave	0.5114	0.4799		46.9	50.0	-6.2	20.0
Chlorobenzene	Ave	1.068	1.040	0.5000	48.7	50.0	-2.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4077	0.4292		52.6	50.0	5.3	20.0
Ethylbenzene	Ave	1.829	1.863	0.1000	50.9	50.0	1.8	20.0
m&p-Xylene	Ave	0.7134	0.7275	0.1000	102	100	2.0	20.0
o-Xylene	Ave	0.7510	0.7592	0.3000	50.5	50.0	1.1	20.0
Styrene	Ave	1.036	1.083	0.3000	52.3	50.0	4.5	20.0
Bromoform	Lin		0.2098	0.1000	42.4	50.0	-15.2	20.0
Isopropylbenzene	Ave	1.801	1.852	0.1000	51.4	50.0	2.8	20.0
1,1,2,2-Tetrachloroethane	Ave	1.043	1.114	0.3000	53.4	50.0	6.8	20.0
Bromobenzene	Ave	0.8301	0.8071		48.6	50.0	-2.8	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2578	0.2919		142	125	13.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-214589-1

SDG No.:

Lab Sample ID: CCVIS 410-626753/3

Calibration Date: 04/05/2025 09:19

Instrument ID: 7159

Calib Start Date: 03/31/2025 14:42

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

Calib End Date: 03/31/2025 16:43

Lab File ID: NA05X02.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
1,2,3-Trichloropropane	Ave	0.3408	0.3489		51.2	50.0	2.4	20.0
N-Propylbenzene	Ave	4.148	4.341		52.3	50.0	4.6	20.0
2-Chlorotoluene	Ave	0.8760	0.8674		49.5	50.0	-1.0	20.0
1,3,5-Trimethylbenzene	Ave	3.142	3.316		52.8	50.0	5.5	20.0
4-Chlorotoluene	Ave	0.8225	0.8217		50.0	50.0	-0.0	20.0
tert-Butylbenzene	Ave	0.6581	0.6704		50.9	50.0	1.9	20.0
1,2,4-Trimethylbenzene	Ave	3.097	3.256		52.6	50.0	5.1	20.0
sec-Butylbenzene	Ave	4.050	4.319		53.3	50.0	6.6	20.0
1,3-Dichlorobenzene	Ave	1.578	1.560	0.6000	49.4	50.0	-1.2	20.0
p-Isopropyltoluene	Ave	3.419	3.624		53.0	50.0	6.0	20.0
1,4-Dichlorobenzene	Ave	1.574	1.561	0.5000	49.6	50.0	-0.8	20.0
1,2,3-Trimethylbenzene	Ave	3.332	3.500		52.5	50.0	5.0	20.0
Benzyl chloride	Ave	1.545	1.689		54.7	50.0	9.3	20.0
1,3-Diethylbenzene	Ave	1.894	1.979		52.3	50.0	4.5	20.0
1,4-Diethylbenzene	Ave	1.951	2.063		52.9	50.0	5.7	20.0
n-Butylbenzene	Ave	1.567	1.684		53.7	50.0	7.5	20.0
1,2-Dichlorobenzene	Ave	1.575	1.562	0.4000	49.6	50.0	-0.8	20.0
1,2-Diethylbenzene	Ave	1.710	1.789		52.3	50.0	4.6	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2491	0.2632	0.0500	52.8	50.0	5.7	20.0
1,3,5-Trichlorobenzene	Ave	1.152	1.142		49.6	50.0	-0.9	20.0
1,2,4-Trichlorobenzene	Ave	0.997	0.9851	0.2000	49.4	50.0	-1.2	20.0
Hexachlorobutadiene	Ave	0.4190	0.3871		46.2	50.0	-7.6	20.0
Naphthalene	Ave	3.679	3.788		51.5	50.0	3.0	20.0
1,2,3-Trichlorobenzene	Ave	1.020	0.9904		48.5	50.0	-2.9	20.0
2-Methylnaphthalene	Ave	1.936	1.910		49.3	50.0	-1.4	20.0
Dibromofluoromethane (Surr)	Ave	0.2636	0.2554		48.4	50.0	-3.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0656	0.0642		49.0	50.0	-2.0	20.0
Toluene-d8 (Surr)	Ave	1.299	1.332		51.2	50.0	2.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4733	0.4644		49.1	50.0	-1.9	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X02.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 05-Apr-2025 09:19:26 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0143131-003
 Misc. Info.: CCVIS
 Operator ID: clm27445 Instrument ID: 7159
 Sublist: chrom-MSVoa_7159*sub21
 Method: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-Apr-2025 10:04:58 Calib Date: 31-Mar-2025 16:43:59
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1724

First Level Reviewer: TQ4J

Date: 05-Apr-2025 10:04:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.064	2.064	0.000	99	472548	50.0	57.3	
6 Chloromethane	50	2.270	2.270	0.000	99	396137	50.0	62.5	
7 Vinyl chloride	62	2.401	2.401	0.000	98	404538	50.0	60.2	
8 Butadiene	39	2.424	2.424	0.000	90	347380	50.0	63.2	
10 Bromomethane	94	2.787	2.787	0.000	90	337626	50.0	51.6	
11 Chloroethane	64	2.871	2.871	0.000	100	244405	50.0	53.6	
12 Dichlorofluoromethane	67	3.160	3.160	0.000	97	709299	50.0	53.3	
13 Trichlorofluoromethane	101	3.218	3.218	0.000	96	510951	50.0	51.1	
14 Pentane	43	3.241	3.241	0.000	97	377354	50.0	47.9	
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.594	3.594	0.000	92	312601	50.0	51.2	
18 Acrolein	56	3.678	3.678	0.000	100	706285	487.9	532.7	
19 1,1-Dichloroethene	96	3.832	3.832	0.000	98	225741	50.0	48.8	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.868	3.868	0.000	93	281064	50.0	48.3	
21 Acetone	58	3.871	3.871	0.000	83	73991	100.0	117.7	
23 Iodomethane	142	4.064	4.064	0.000	99	453284	50.0	48.6	M
24 Isopropyl alcohol	45	4.067	4.067	0.000	36	139398	250.0	200.6	
25 Carbon disulfide	76	4.192	4.192	0.000	99	724933	50.0	51.9	
26 Methyl acetate	43	4.331	4.331	0.000	98	233859	50.0	53.3	
27 3-Chloro-1-propene	41	4.360	4.360	0.000	93	307349	50.0	53.4	Ma
28 Methylene Chloride	84	4.578	4.578	0.000	91	269834	50.0	49.9	a
* 29 t-Butyl alcohol-d10 (IS)	65	4.630	4.630	0.000	96	258787	250.0	250.0	
30 2-Methyl-2-propanol	59	4.771	4.771	0.000	97	240223	250.0	254.4	
32 Acrylonitrile	53	4.938	4.938	0.000	99	338991	125.0	133.1	
33 Methyl tert-butyl ether	73	4.983	4.983	0.000	91	642095	50.0	47.5	
34 trans-1,2-Dichloroethene	96	4.987	4.987	0.000	99	218378	50.0	48.9	
36 Hexane	57	5.414	5.414	0.000	92	288295	50.0	48.9	M
37 1,1-Dichloroethane	63	5.665	5.665	0.000	96	372906	50.0	51.1	
38 Isopropyl ether	45	5.723	5.723	0.000	95	662527	50.0	53.2	
39 2-Chloro-1,3-butadiene	53	5.771	5.771	0.000	92	297757	50.0	52.2	
41 Tert-butyl ethyl ether	59	6.253	6.253	0.000	97	603567	50.0	47.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
43 2-Butanone (MEK)	43	6.479	6.479	0.000	100	287097	100.0	95.2	
44 cis-1,2-Dichloroethene	96	6.491	6.491	0.000	80	252170	50.0	48.7	
45 2,2-Dichloropropane	77	6.517	6.517	0.000	87	341277	50.0	50.8	a
46 Propionitrile	54	6.578	6.578	0.000	99	287390	250.0	289.2	a
47 Methacrylonitrile	67	6.784	6.784	0.000	91	312833	125.0	131.3	a
48 Chlorobromomethane	128	6.823	6.823	0.000	94	126843	50.0	49.1	
49 Tetrahydrofuran	71	6.832	6.832	0.000	92	250006	250.0	294.5	
50 Chloroform	83	6.974	6.974	0.000	93	385851	50.0	50.3	
\$ 51 Dibromofluoromethane (Surr)	113	7.186	7.186	0.000	93	191815	50.0	48.4	
52 1,1,1-Trichloroethane	97	7.202	7.202	0.000	98	367952	50.0	49.3	
53 Cyclohexane	56	7.286	7.286	0.000	89	433006	50.0	49.2	
56 Carbon tetrachloride	117	7.398	7.398	0.000	95	309476	50.0	49.7	
55 1,1-Dichloropropene	75	7.405	7.405	0.000	97	294111	50.0	49.6	
57 Isobutyl alcohol	41	7.569	7.569	0.000	94	211256	625.0	758.6	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.643	7.643	0.000	88	48235	50.0	49.0	
60 Benzene	78	7.668	7.668	0.000	96	894637	50.0	50.2	
61 1,2-Dichloroethane	62	7.742	7.742	0.000	97	281949	50.0	51.4	
62 Tert-amyl methyl ether	73	7.848	7.848	0.000	98	587246	50.0	46.7	
64 n-Heptane	43	8.064	8.064	0.000	88	259542	50.0	51.9	
* 63 Fluorobenzene (IS)	96	8.064	8.064	0.000	98	751026	50.0	50.0	
66 n-Butanol	56	8.424	8.424	0.000	89	142850	625.0	633.1	
67 Trichloroethene	95	8.530	8.530	0.000	99	221760	50.0	48.7	
68 Methylcyclohexane	83	8.835	8.835	0.000	91	445519	50.0	47.5	
70 2-ethoxy-2-methyl butane	87	8.868	8.868	0.000	93	316018	50.0	48.7	
69 1,2-Dichloropropane	63	8.871	8.871	0.000	86	220783	50.0	52.2	
71 Methyl methacrylate	69	8.945	8.945	0.000	91	164455	50.0	51.4	
72 1,4-Dioxane	88	8.954	8.954	0.000	79	50805	625.0	657.8	
73 Dibromomethane	93	8.980	8.980	0.000	97	141772	50.0	50.3	
75 Dichlorobromomethane	83	9.202	9.202	0.000	100	247554	50.0	50.2	
76 2-Nitropropane	41	9.475	9.475	0.000	99	364993	250.0	335.6	
78 2-Chloroethyl vinyl ether	63	9.540	9.540	0.000	91	131391	50.0	51.0	
79 cis-1,3-Dichloropropene	75	9.716	9.716	0.000	96	302518	50.0	50.4	
80 4-Methyl-2-pentanone (MIBK)	43	9.884	9.884	0.000	96	576330	100.0	102.6	
\$ 81 Toluene-d8 (Surr)	98	10.006	10.006	0.000	93	718926	50.0	51.2	
82 Toluene	92	10.080	10.080	0.000	99	515132	50.0	50.1	
105 trans-1,3-Dichloropropene	75	10.321	10.321	0.000	92	254839	50.0	51.7	
106 Ethyl methacrylate	69	10.376	10.376	0.000	89	278231	50.0	54.9	
107 1,1,2-Trichloroethane	97	10.520	10.520	0.000	90	184063	50.0	51.2	
108 Tetrachloroethene	166	10.594	10.594	0.000	97	218869	50.0	47.4	
109 1,3-Dichloropropane	76	10.678	10.678	0.000	89	303295	50.0	51.1	
110 2-Hexanone	43	10.723	10.723	0.000	97	375295	100.0	104.2	
111 Chlorodibromomethane	129	10.880	10.880	0.000	90	179070	50.0	50.8	
112 Ethylene Dibromide	107	10.990	10.990	0.000	98	183945	50.0	50.0	
* 114 Chlorobenzene-d5 (IS)	117	11.404	11.404	0.000	85	539898	50.0	50.0	
115 1-Chlorohexane	91	11.404	11.404	0.000	97	259077	50.0	46.9	
116 Chlorobenzene	112	11.430	11.430	0.000	95	561351	50.0	48.7	
117 1,1,1,2-Tetrachloroethane	131	11.507	11.507	0.000	95	231723	50.0	52.6	
118 Ethylbenzene	91	11.511	11.511	0.000	98	1005718	50.0	50.9	
119 m-Xylene & p-Xylene	106	11.620	11.620	0.000	99	785604	100.0	102.0	
120 o-Xylene	106	11.941	11.941	0.000	97	409906	50.0	50.5	
121 Styrene	104	11.954	11.954	0.000	95	584482	50.0	52.3	
122 Bromoform	173	12.112	12.112	0.000	96	113274	50.0	42.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 Isopropylbenzene	105	12.234	12.234	0.000	96	1000147	50.0	51.4	
\$ 125 4-Bromofluorobenzene (Surr)	95	12.376	12.376	0.000	89	250752	50.0	49.1	
126 1,1,2,2-Tetrachloroethane	83	12.472	12.472	0.000	94	317192	50.0	53.4	
127 Bromobenzene	156	12.494	12.494	0.000	97	229776	50.0	48.6	
128 trans-1,4-Dichloro-2-butene	53	12.498	12.498	0.000	88	207776	125.0	141.6	
129 1,2,3-Trichloropropane	110	12.523	12.523	0.000	84	99325	50.0	51.2	
130 N-Propylbenzene	91	12.556	12.556	0.000	99	1235776	50.0	52.3	
131 2-Chlorotoluene	126	12.633	12.633	0.000	97	246945	50.0	49.5	
132 1,3,5-Trimethylbenzene	105	12.684	12.684	0.000	94	944097	50.0	52.8	
133 4-Chlorotoluene	126	12.723	12.723	0.000	97	233934	50.0	50.0	
134 tert-Butylbenzene	134	12.925	12.925	0.000	93	190867	50.0	50.9	
136 1,2,4-Trimethylbenzene	105	12.967	12.967	0.000	97	926978	50.0	52.6	
137 sec-Butylbenzene	105	13.086	13.086	0.000	94	1229495	50.0	53.3	
138 1,3-Dichlorobenzene	146	13.186	13.186	0.000	98	444072	50.0	49.4	
139 4-Isopropyltoluene	119	13.192	13.192	0.000	97	1031673	50.0	53.0	
* 140 1,4-Dichlorobenzene-d4	152	13.240	13.240	0.000	94	284698	50.0	50.0	
141 1,4-Dichlorobenzene	146	13.260	13.260	0.000	94	444476	50.0	49.6	
142 1,2,3-Trimethylbenzene	105	13.269	13.269	0.000	98	996396	50.0	52.5	
143 Benzyl chloride	91	13.337	13.337	0.000	98	480925	50.0	54.7	
144 1,3-Diethylbenzene	119	13.388	13.388	0.000	95	563448	50.0	52.3	
145 p-Diethylbenzene	119	13.459	13.459	0.000	93	587297	50.0	52.9	
146 n-Butylbenzene	92	13.478	13.478	0.000	97	479484	50.0	53.7	a
147 1,2-Dichlorobenzene	146	13.517	13.517	0.000	98	444610	50.0	49.6	
148 o-diethylbenzene	119	13.530	13.530	0.000	95	509329	50.0	52.3	
150 1,2-Dibromo-3-Chloropropane	75	14.054	14.054	0.000	93	74939	50.0	52.8	
151 1,3,5-Trichlorobenzene	180	14.173	14.173	0.000	97	325234	50.0	49.6	
152 1,2,4-Trichlorobenzene	180	14.594	14.594	0.000	94	280442	50.0	49.4	
153 Hexachlorobutadiene	225	14.671	14.671	0.000	98	110210	50.0	46.2	
154 Naphthalene	128	14.781	14.781	0.000	97	1078464	50.0	51.5	
155 1,2,3-Trichlorobenzene	180	14.925	14.925	0.000	95	281975	50.0	48.5	
156 2-Methylnaphthalene	142	15.575	15.575	0.000	93	543726	50.0	49.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00229

Amount Added: 5.00

Units: uL

MSV_CCV_VOC#3_00230

Amount Added: 4.00

Units: uL

MSV_CCV_2CEVE_00221

Amount Added: 5.00

Units: uL

MSV_CCV_GASES_00997

Amount Added: 2.50

Units: uL

MSV_Cent_ISSS_00035

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 05-Apr-2025 10:04:59

Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X02.D

Injection Date: 05-Apr-2025 09:19:26

Instrument ID: 7159

Operator ID: clm27445

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

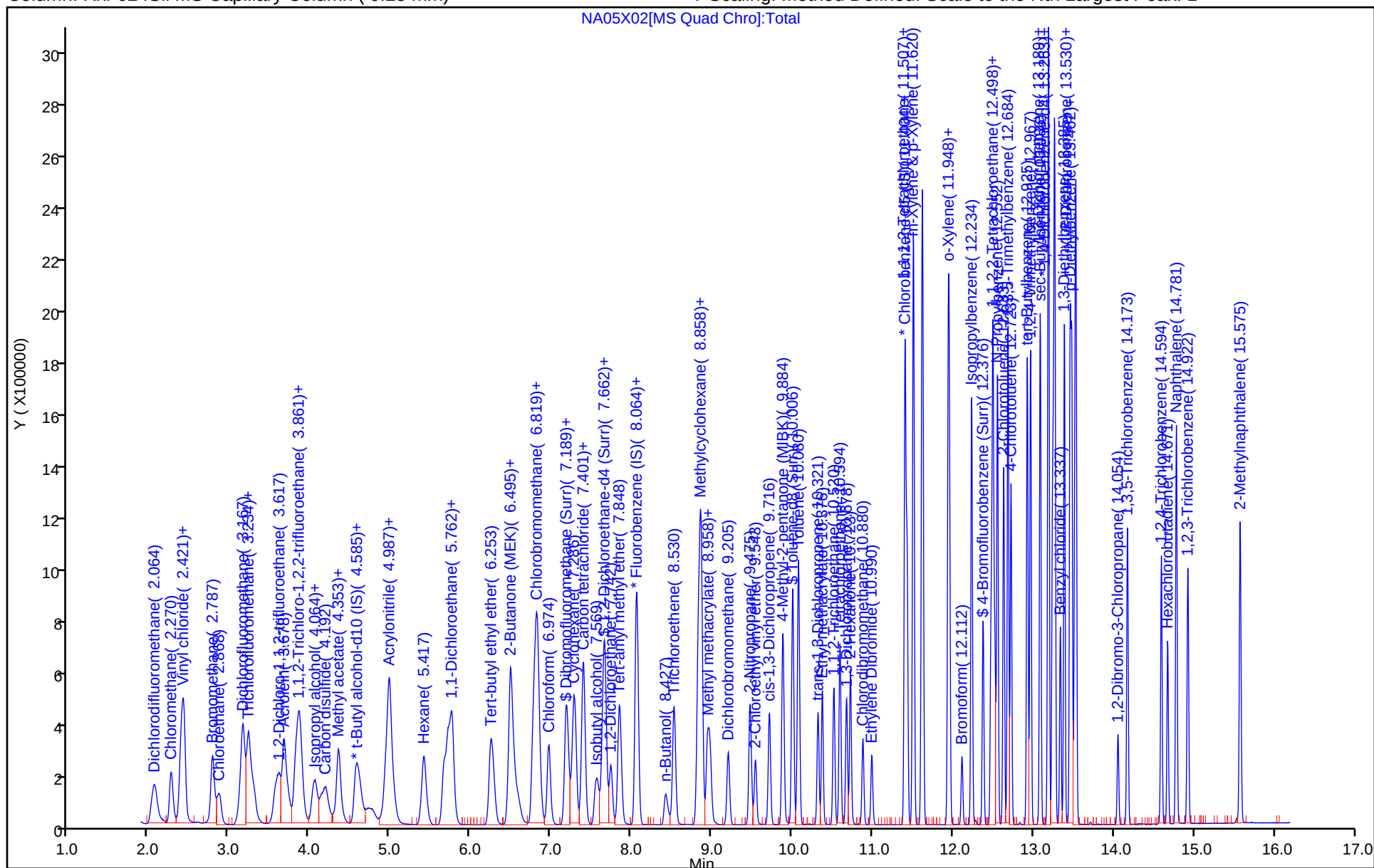
ALS Bottle#: 2

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC

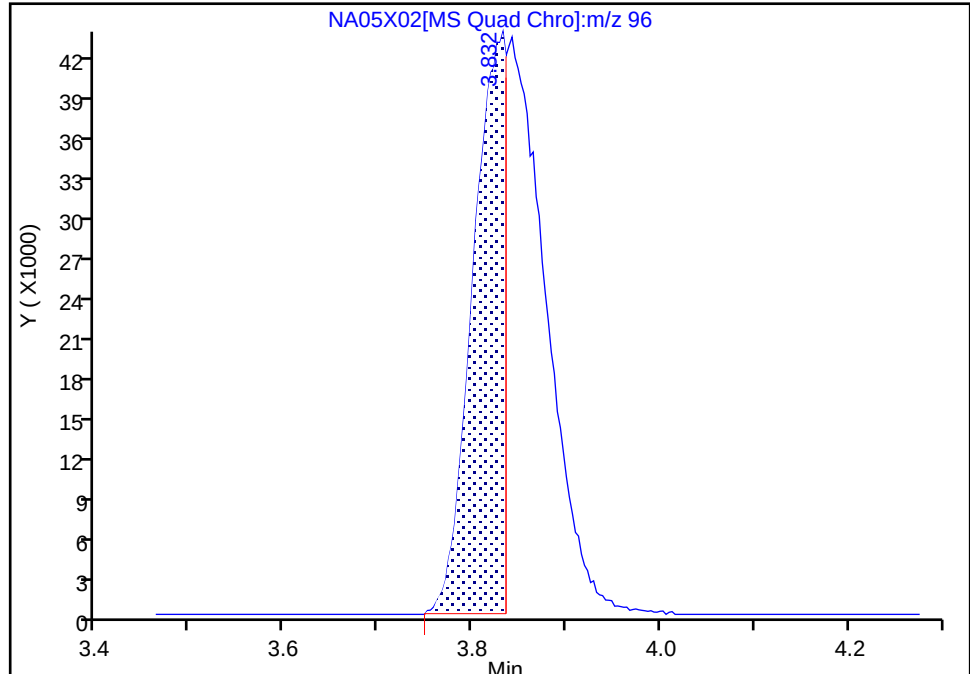
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X02.D
Injection Date: 05-Apr-2025 09:19:26 Instrument ID: 7159
Lims ID: CCVIS
Client ID:
Operator ID: clm27445 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

19 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

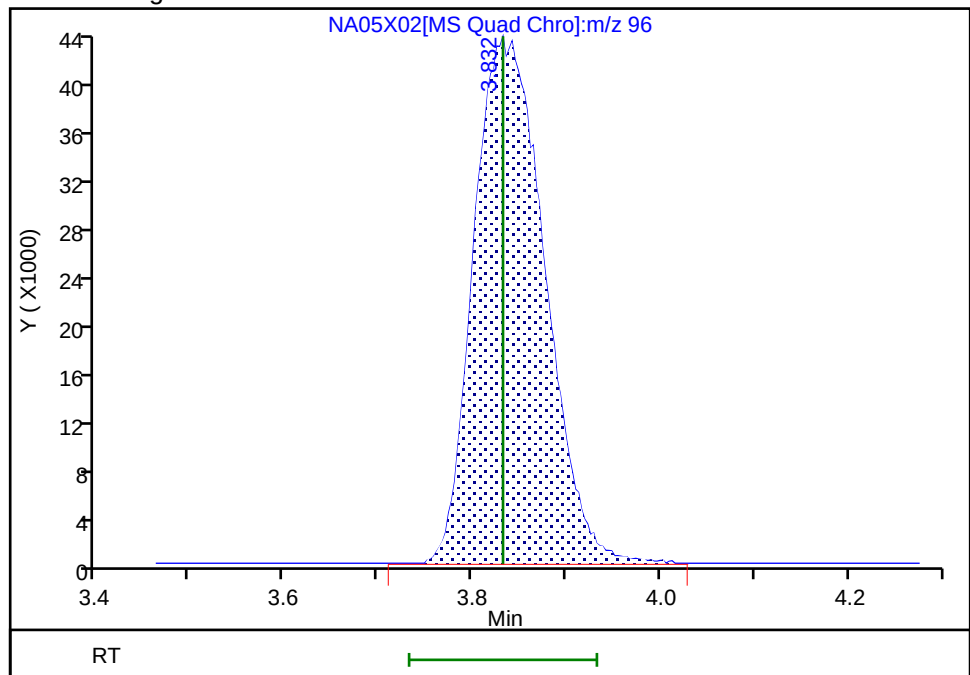
RT: 3.83
Area: 104641
Amount: 22.619193
Amount Units: ug/l

Processing Integration Results



RT: 3.83
Area: 225741
Amount: 48.796163
Amount Units: ug/l

Manual Integration Results



Reviewer: TQ4J, 05-Apr-2025 09:57:50 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

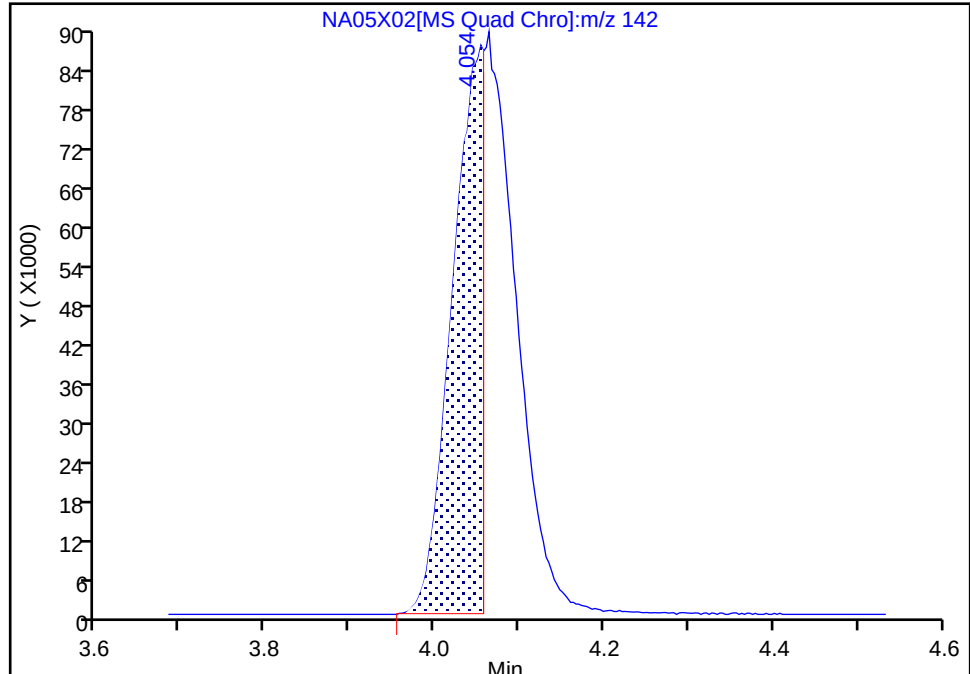
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X02.D
Injection Date: 05-Apr-2025 09:19:26 Instrument ID: 7159
Lims ID: CCVIS
Client ID:
Operator ID: clm27445 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Iodomethane, CAS: 74-88-4

Signal: 1

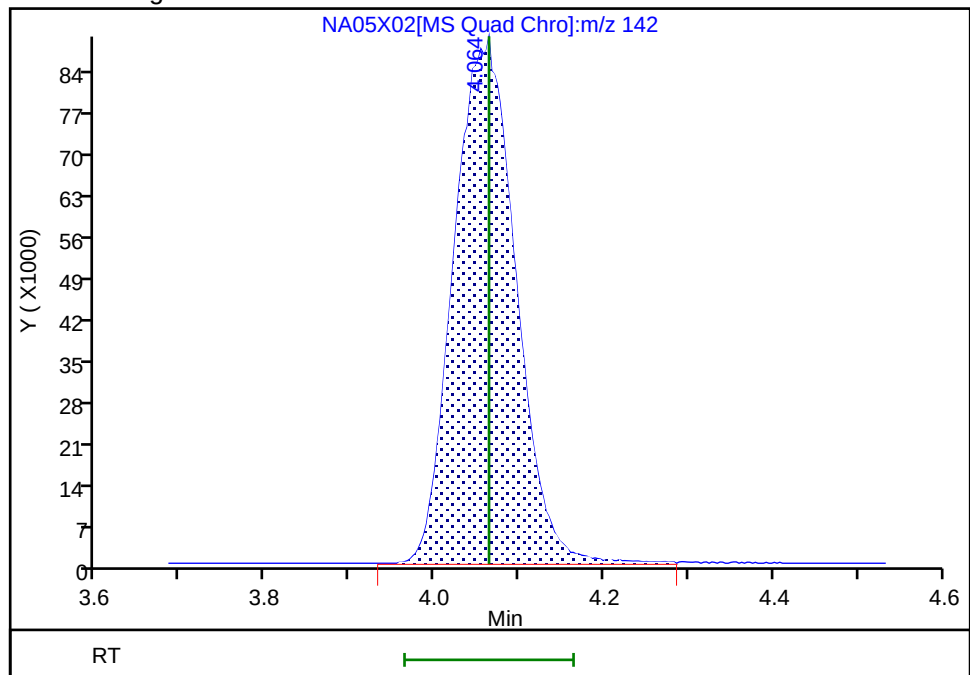
RT: 4.05
Area: 223474
Amount: 23.957662
Amount Units: ug/l

Processing Integration Results



RT: 4.06
Area: 453284
Amount: 48.594579
Amount Units: ug/l

Manual Integration Results



Reviewer: TQ4J, 05-Apr-2025 09:58:00 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

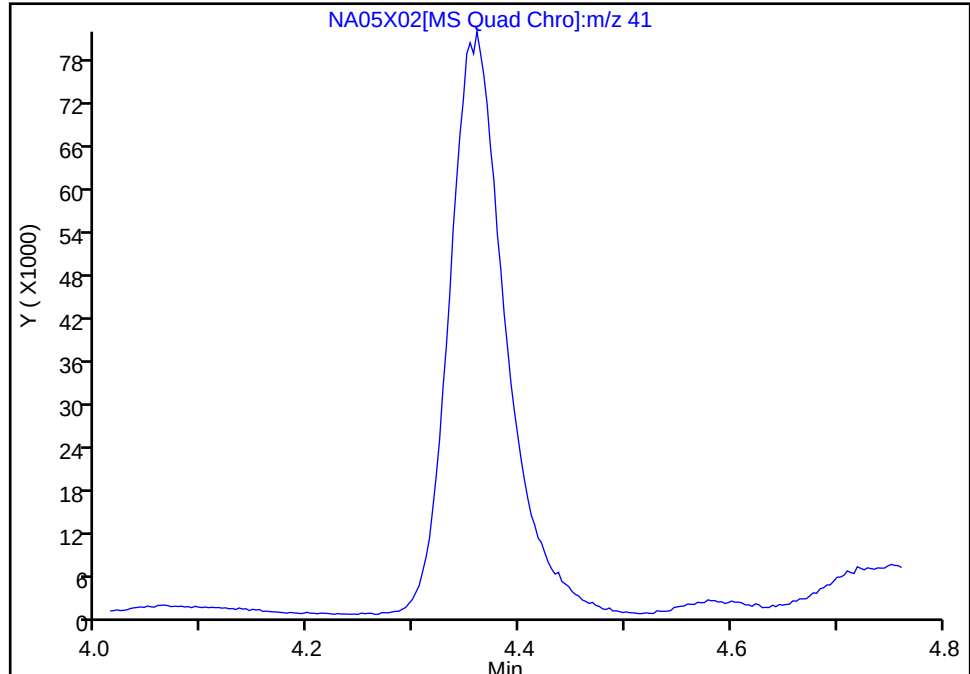
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X02.D
Injection Date: 05-Apr-2025 09:19:26 Instrument ID: 7159
Lims ID: CCVIS
Client ID:
Operator ID: clm27445 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

27 3-Chloro-1-propene, CAS: 107-05-1

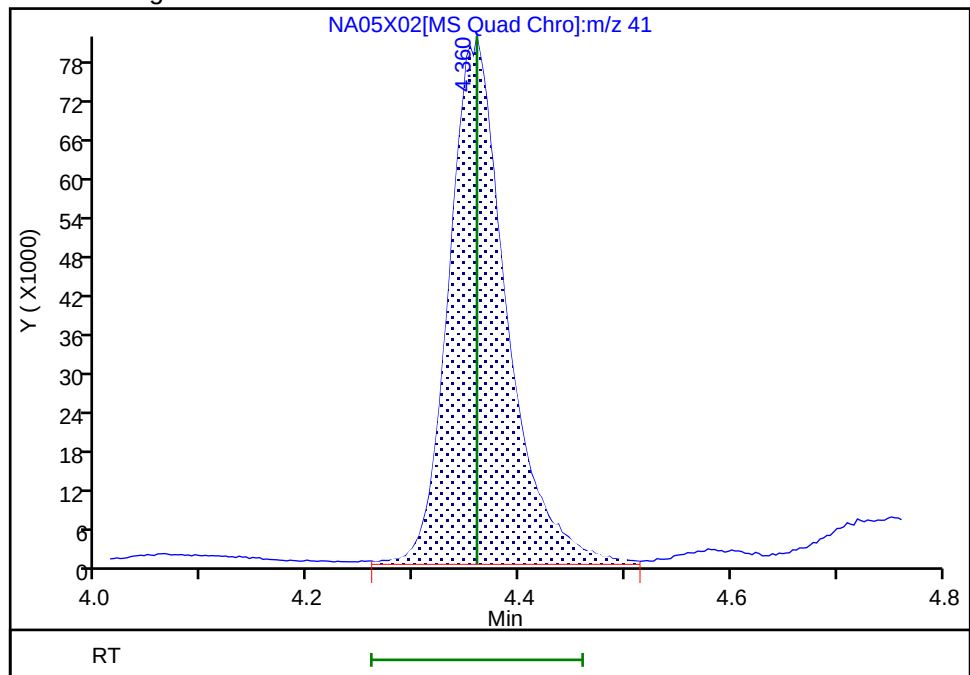
Signal: 1

Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results



RT: 4.36
Area: 307349
Amount: 53.406030
Amount Units: ug/l

Reviewer: TQ4J, 05-Apr-2025 09:58:34 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

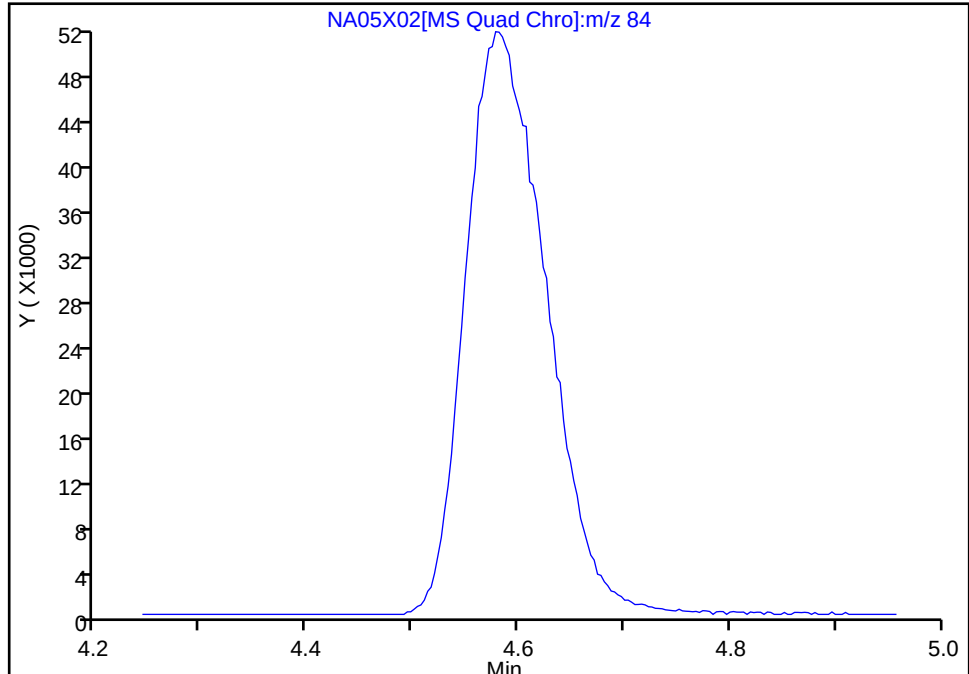
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X02.D
Injection Date: 05-Apr-2025 09:19:26 Instrument ID: 7159
Lims ID: CCVIS
Client ID:
Operator ID: clm27445 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

28 Methylene Chloride, CAS: 75-09-2

Signal: 1

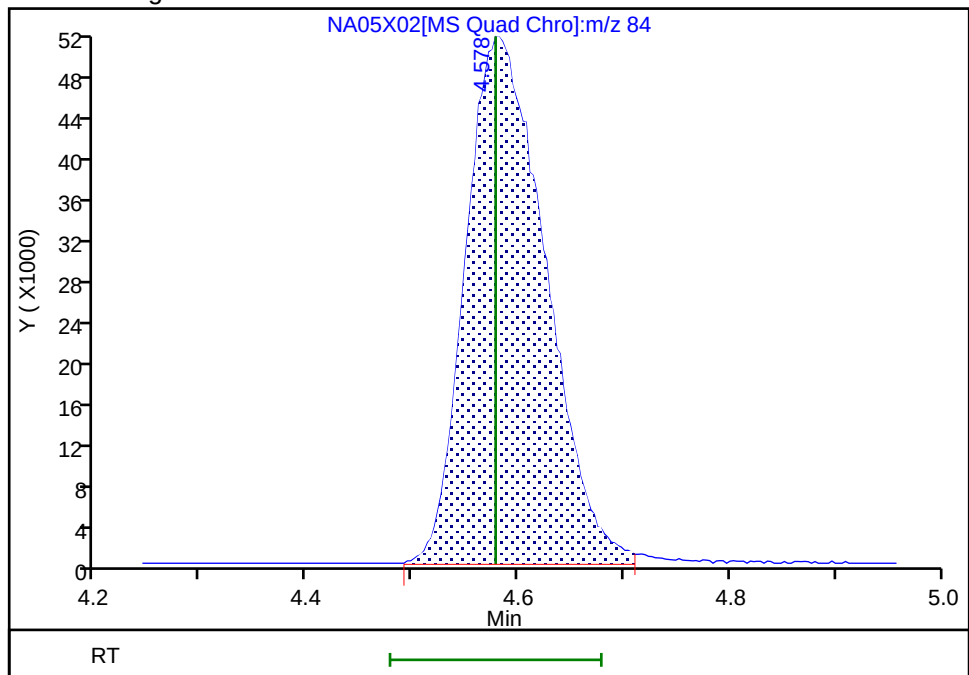
Not Detected
Expected RT: 4.58

Processing Integration Results



RT: 4.58
Area: 269834
Amount: 49.904396
Amount Units: ug/l

Manual Integration Results



Reviewer: TQ4J, 05-Apr-2025 09:58:40 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

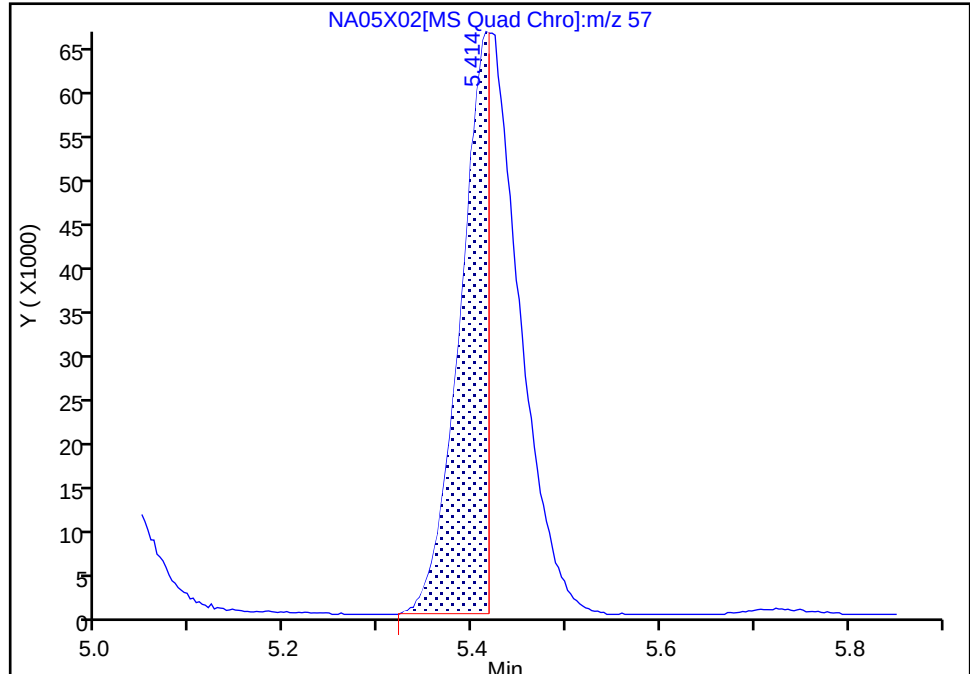
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X02.D
Injection Date: 05-Apr-2025 09:19:26 Instrument ID: 7159
Lims ID: CCVIS
Client ID:
Operator ID: clm27445 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

36 Hexane, CAS: 110-54-3

Signal: 1

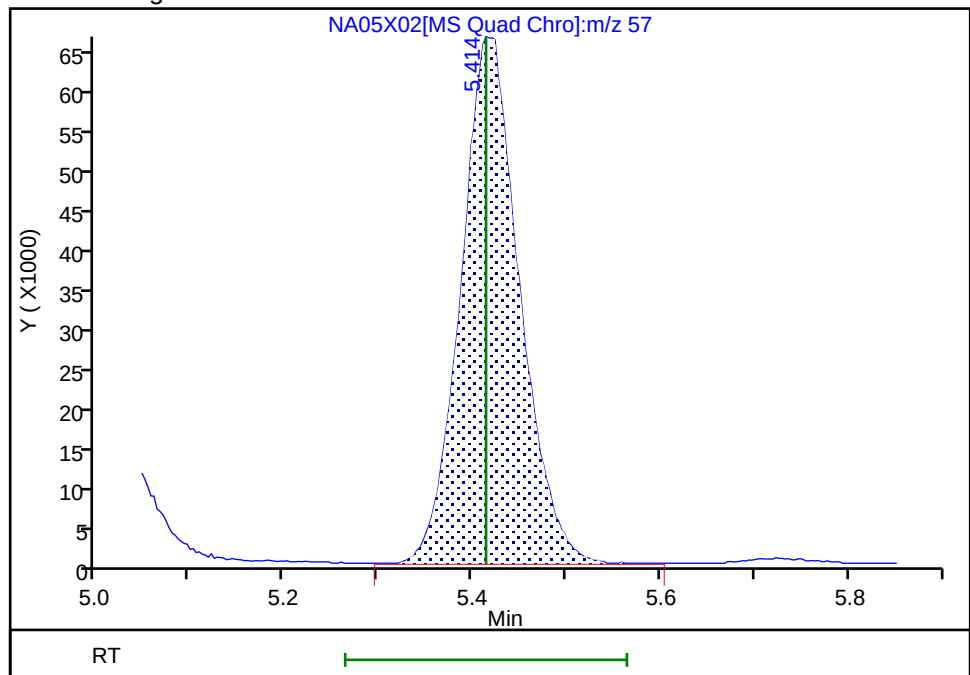
RT: 5.41
Area: 142831
Amount: 24.245032
Amount Units: ug/l

Processing Integration Results



RT: 5.41
Area: 288295
Amount: 48.937007
Amount Units: ug/l

Manual Integration Results



Reviewer: TQ4J, 05-Apr-2025 09:58:53 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

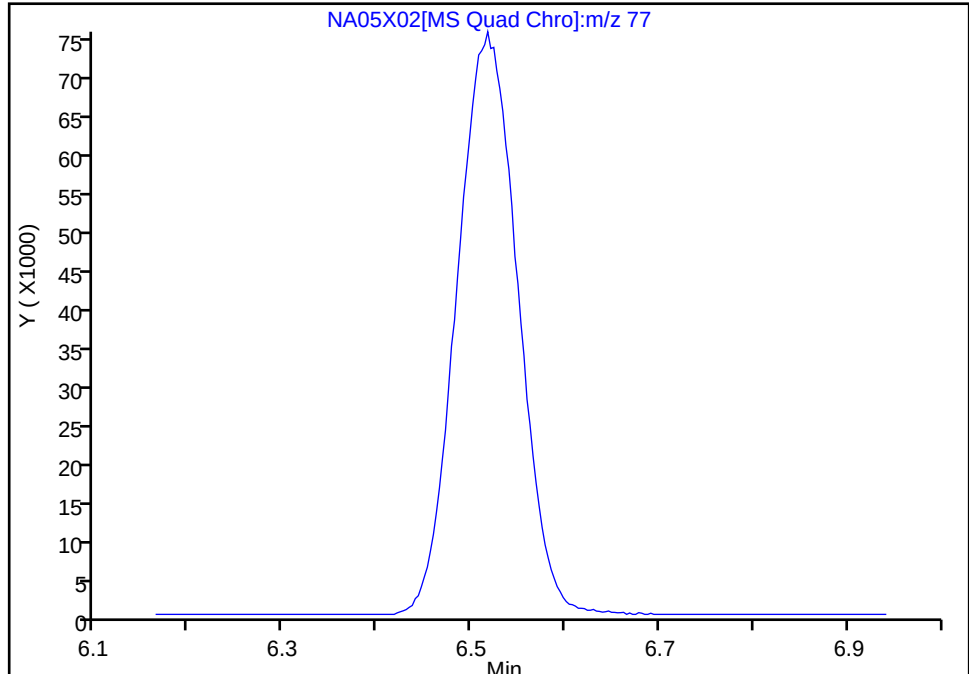
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X02.D
Injection Date: 05-Apr-2025 09:19:26 Instrument ID: 7159
Lims ID: CCVIS
Client ID:
Operator ID: clm27445 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

45 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

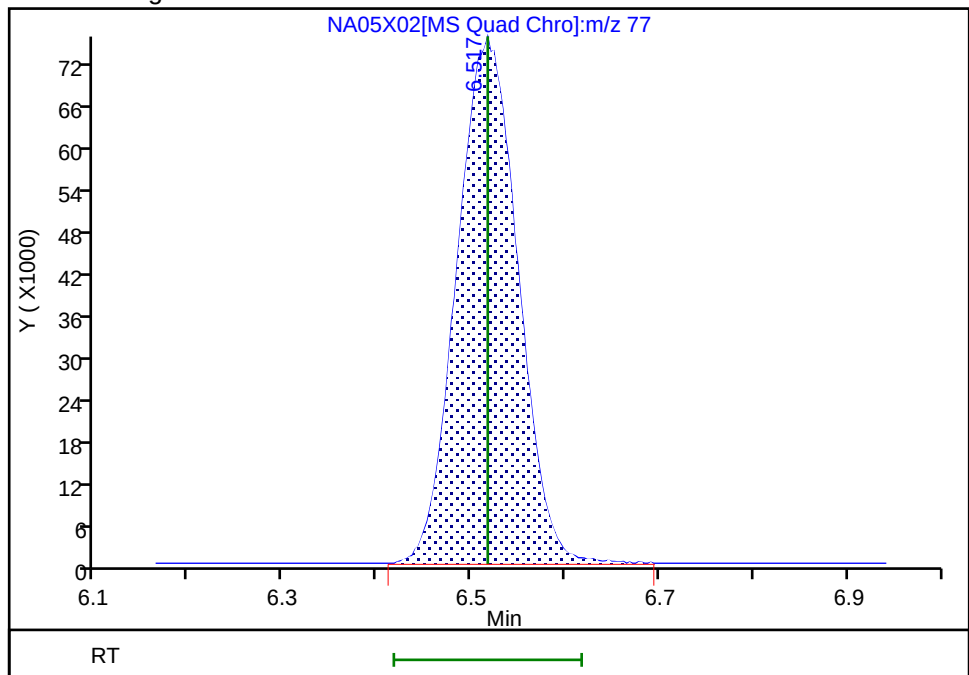
Not Detected
Expected RT: 6.52

Processing Integration Results



Manual Integration Results

RT: 6.52
Area: 341277
Amount: 50.813975
Amount Units: ug/l



Reviewer: TQ4J, 05-Apr-2025 09:59:02 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

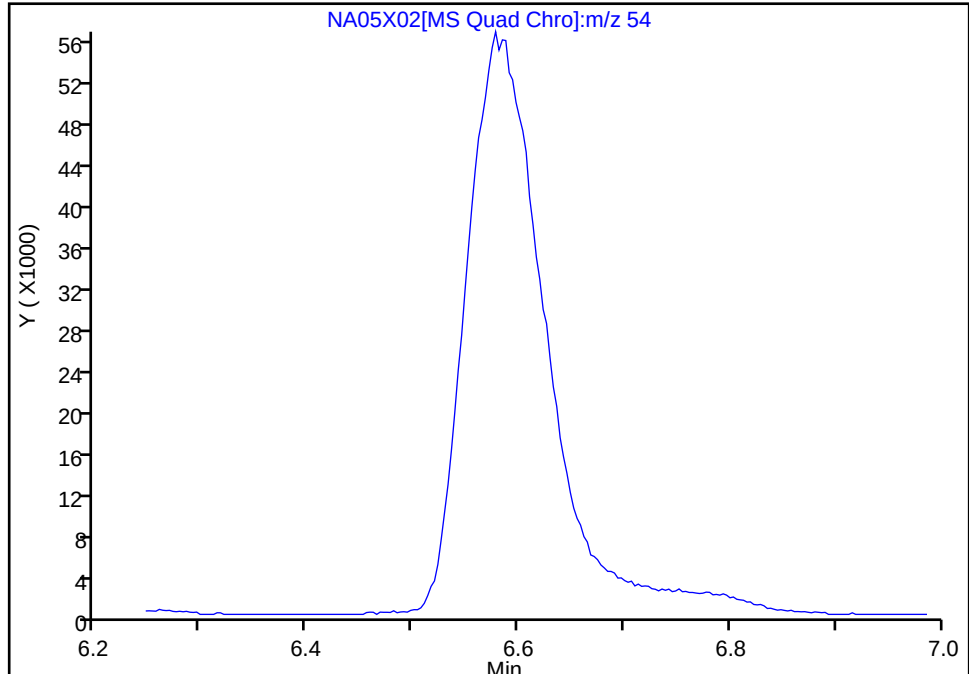
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X02.D
Injection Date: 05-Apr-2025 09:19:26 Instrument ID: 7159
Lims ID: CCVIS
Client ID:
Operator ID: cIm27445 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

46 Propionitrile, CAS: 107-12-0

Signal: 1

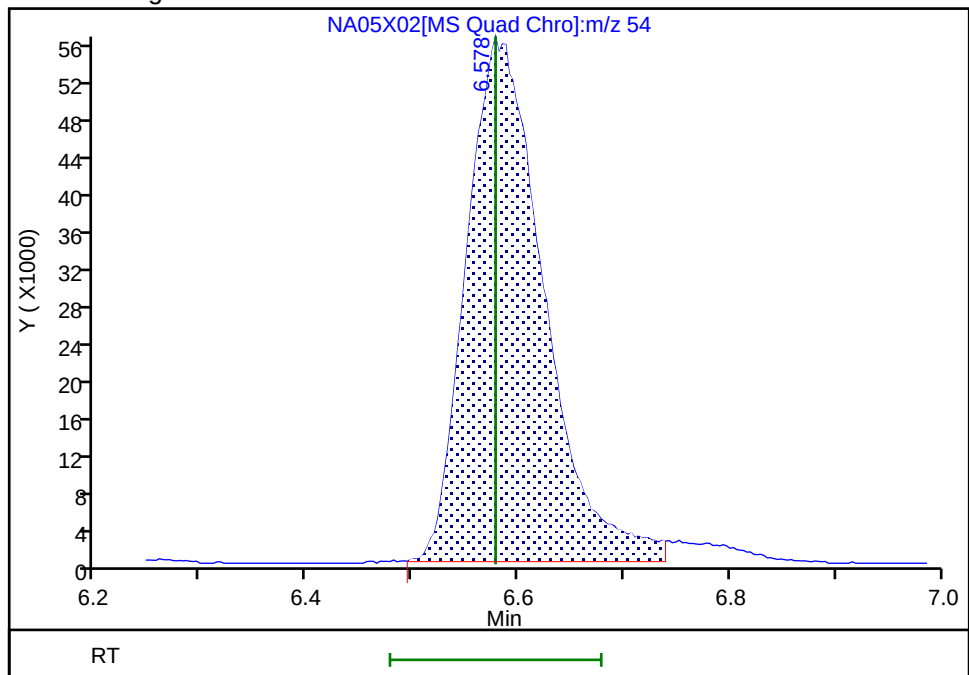
Not Detected
Expected RT: 6.58

Processing Integration Results



RT: 6.58
Area: 287390
Amount: 289.2089
Amount Units: ug/l

Manual Integration Results



Reviewer: TQ4J, 05-Apr-2025 09:59:06 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

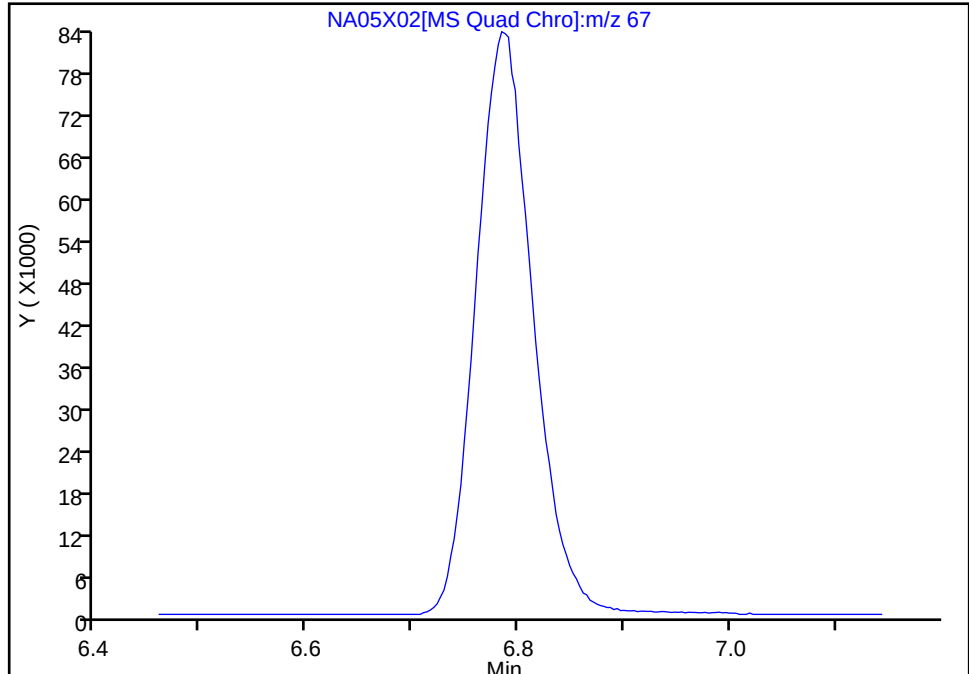
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X02.D
Injection Date: 05-Apr-2025 09:19:26 Instrument ID: 7159
Lims ID: CCVIS
Client ID:
Operator ID: clm27445 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

47 Methacrylonitrile, CAS: 126-98-7

Signal: 1

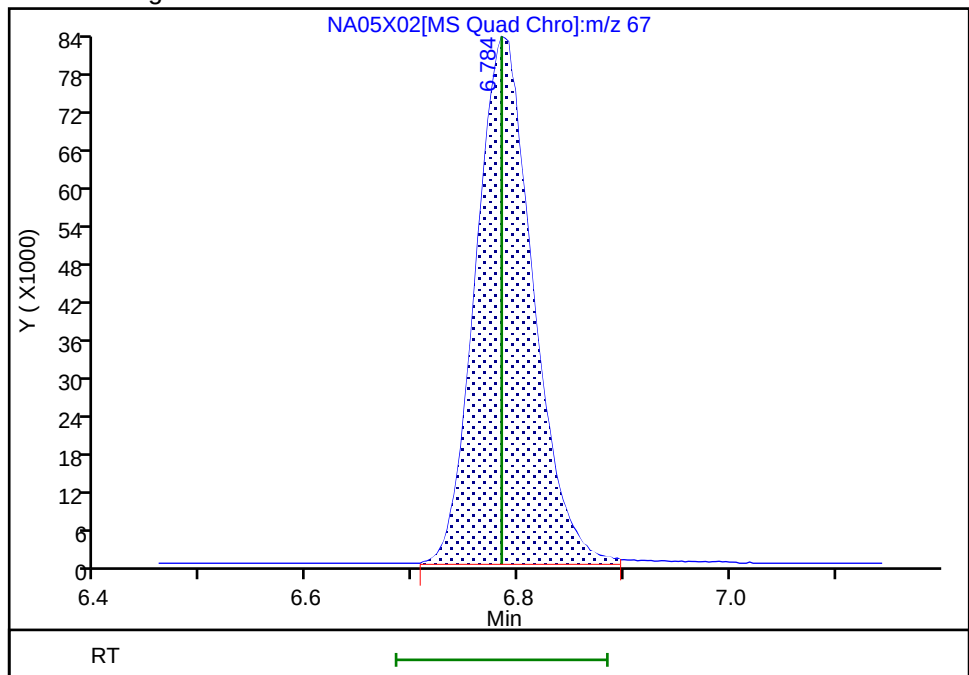
Not Detected
Expected RT: 6.78

Processing Integration Results



RT: 6.78
Area: 312833
Amount: 131.2570
Amount Units: ug/l

Manual Integration Results



Reviewer: TQ4J, 05-Apr-2025 09:59:10 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

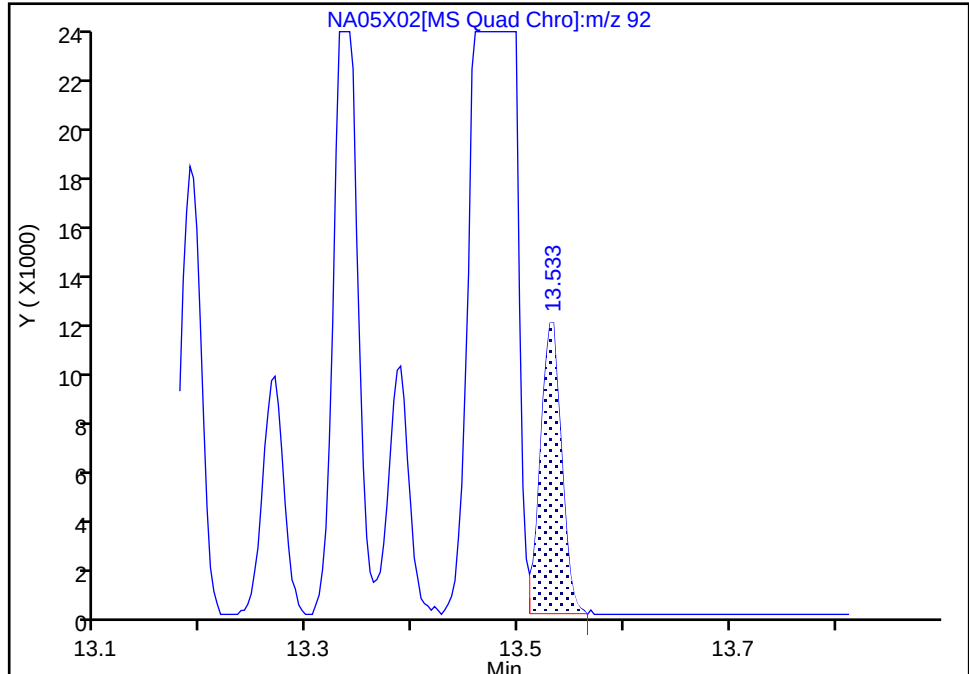
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X02.D
Injection Date: 05-Apr-2025 09:19:26 Instrument ID: 7159
Lims ID: CCVIS
Client ID:
Operator ID: clm27445 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

146 n-Butylbenzene, CAS: 104-51-8

Signal: 1

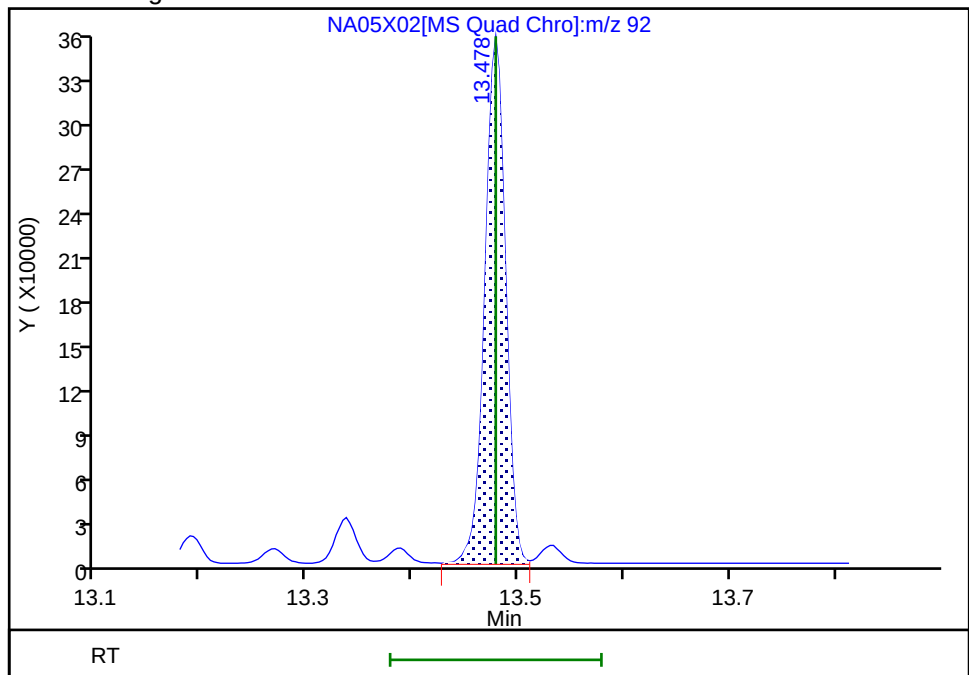
RT: 13.53
Area: 16681
Amount: 1.869645
Amount Units: ug/l

Processing Integration Results



RT: 13.48
Area: 479484
Amount: 53.741685
Amount Units: ug/l

Manual Integration Results



Reviewer: TQ4J, 05-Apr-2025 09:59:33 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31T01.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 31-Mar-2025 14:06:11 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0142514-001
Misc. Info.: BFB
Operator ID: kas02648 Instrument ID: 7159
Method: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 31-Mar-2025 22:24:15 Calib Date: 31-Mar-2025 16:43:59
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1685

First Level Reviewer: UKAD

Date: 31-Mar-2025 14:19:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
----------	-----	--------------	------------------	------------------	---	----------	-----------------	-------------------	-------

\$ 35 BFB	95	4.935	4.935	0.000	0	451741	NC	NC	
-----------	----	-------	-------	-------	---	--------	----	----	--

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

MSV_V_BFB_00018

Amount Added: 1.00

Units: uL

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31T01.D

Injection Date: 31-Mar-2025 14:06:11

Instrument ID: 7159

Lims ID: bfb

Client ID:

Operator ID: kas02648

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 uL

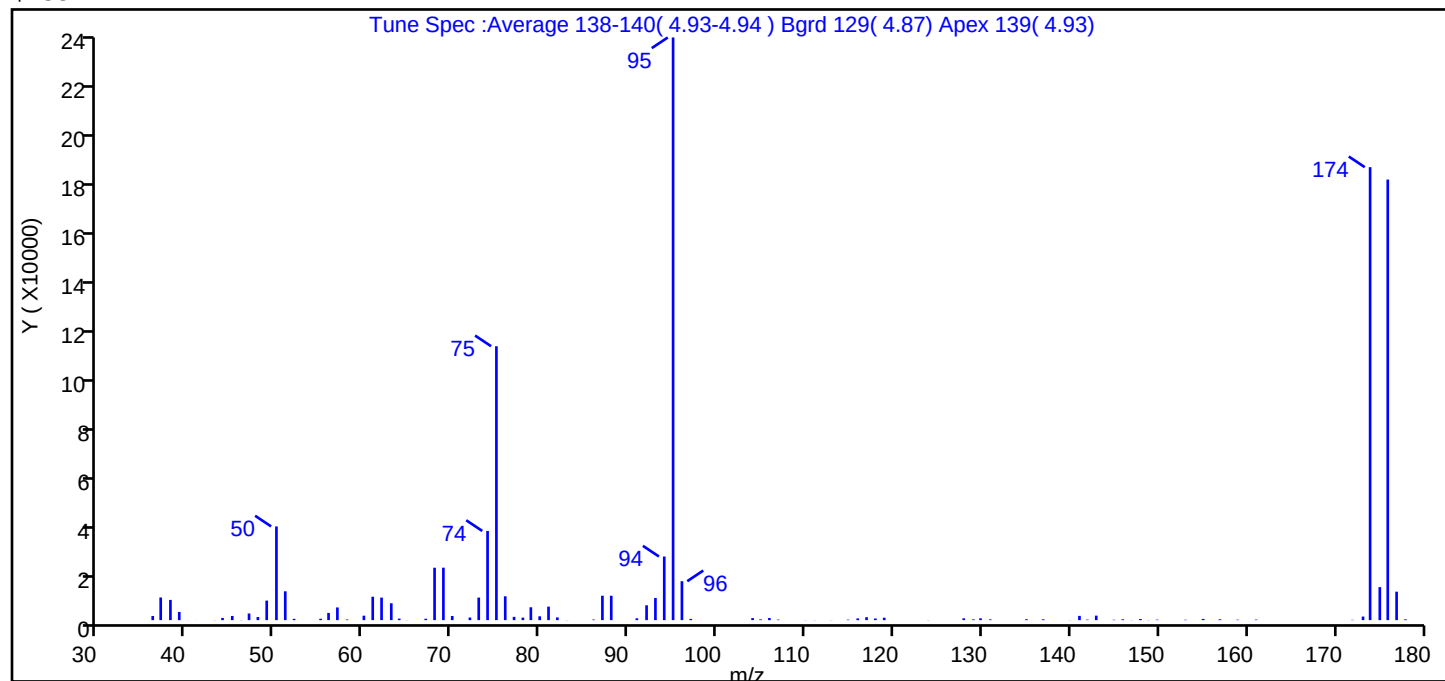
Dil. Factor: 1.0000

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

Tune Method: BFB Method 8260

\$ 35 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.1
75	30 to 60% of m/z 95	47.0
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.6 (0.8)
174	50 to 120% of m/z 95	77.7
175	5 to 9% of m/z 174	5.7 (7.3)
176	Greater than 95% but less than 101% of m/z 174	75.6 (97.3)
177	5 to 9% of m/z 176	4.9 (6.5)

Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31T01.D\MSVoa_7159.rslt\spectra.d
Injection Date: 31-Mar-2025 14:06:11
Spectrum: Tune Spec :Average 138-140(4.93-4.94) Bgrd 129(4.87) Apex 139(4.93)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 93

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1677	64.00	619	94.00	25624	141.00	1721
37.00	9128	65.00	52	95.00	234624	142.00	209
38.00	8149	67.00	558	96.00	15679	143.00	1817
39.00	3306	68.00	21104	97.00	505	145.00	162
40.00	28	69.00	21128	104.00	829	146.00	342
41.00	20	70.00	1676	105.00	311	147.00	50
43.00	58	72.00	1060	106.00	846	148.00	459
44.00	894	73.00	9092	107.00	215	149.00	61
45.00	1685	74.00	35920	110.00	52	150.00	202
46.00	59	75.00	110304	111.00	60	153.00	170
47.00	2676	76.00	9600	113.00	51	155.00	512
48.00	1256	77.00	1329	115.00	215	157.00	341
49.00	7873	78.00	1008	116.00	703	159.00	186
50.00	37744	79.00	5179	117.00	1183	161.00	226
51.00	11618	80.00	1546	118.00	665	172.00	138
52.00	528	81.00	5441	119.00	975	173.00	1446
55.00	563	82.00	1109	124.00	56	174.00	182400
56.00	2911	83.00	50	128.00	732	175.00	13299
57.00	5119	86.00	249	129.00	300	176.00	177408
58.00	263	87.00	9835	130.00	735	177.00	11465
60.00	1796	88.00	9821	131.00	305	178.00	323
61.00	9430	91.00	745	135.00	368		
62.00	9069	92.00	5977	137.00	329		
63.00	6788	93.00	8899	140.00	50		

Report Date: 31-Mar-2025 22:24:15

Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31T01.D

Injection Date: 31-Mar-2025 14:06:11

Instrument ID: 7159

Operator ID: kas02648

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 uL

Dil. Factor: 1.0000

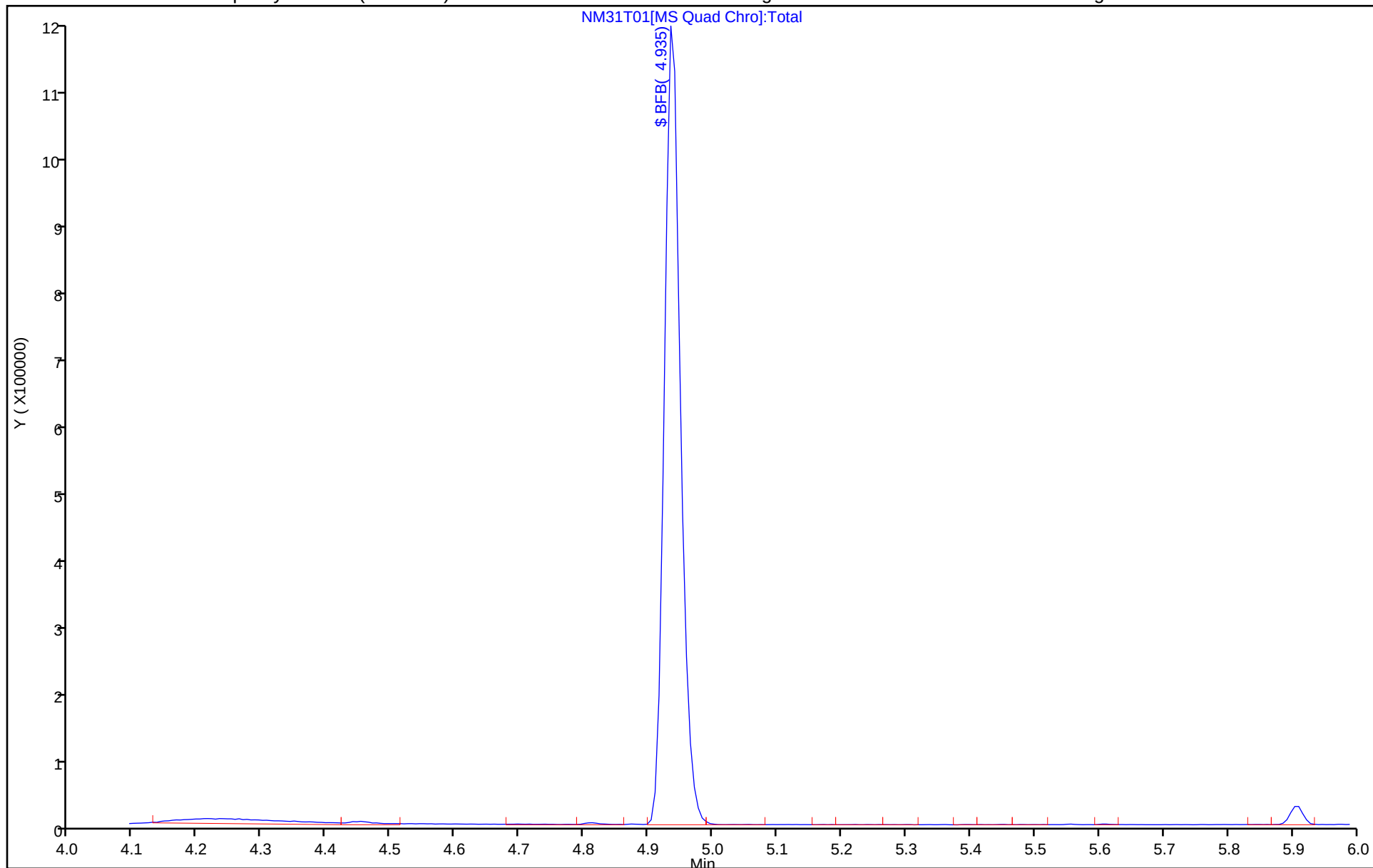
ALS Bottle#: 1

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05T01.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 05-Apr-2025 08:18:52 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0143131-001
Misc. Info.: BFB
Operator ID: clm27445 Instrument ID: 7159
Method: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 05-Apr-2025 10:04:56 Calib Date: 31-Mar-2025 16:43:59
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1724

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
----------	-----	--------------	------------------	------------------	---	----------	-----------------	-------------------	-------

\$ 35 BFB	95	4.935	4.935	0.000	0	760262	NC	NC	
-----------	----	-------	-------	-------	---	--------	----	----	--

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

MSV_V_BFB_00018

Amount Added: 1.00

Units: uL

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05T01.D

Injection Date: 05-Apr-2025 08:18:52

Instrument ID: 7159

Lims ID: bfb

Client ID:

Operator ID: clm27445

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 uL

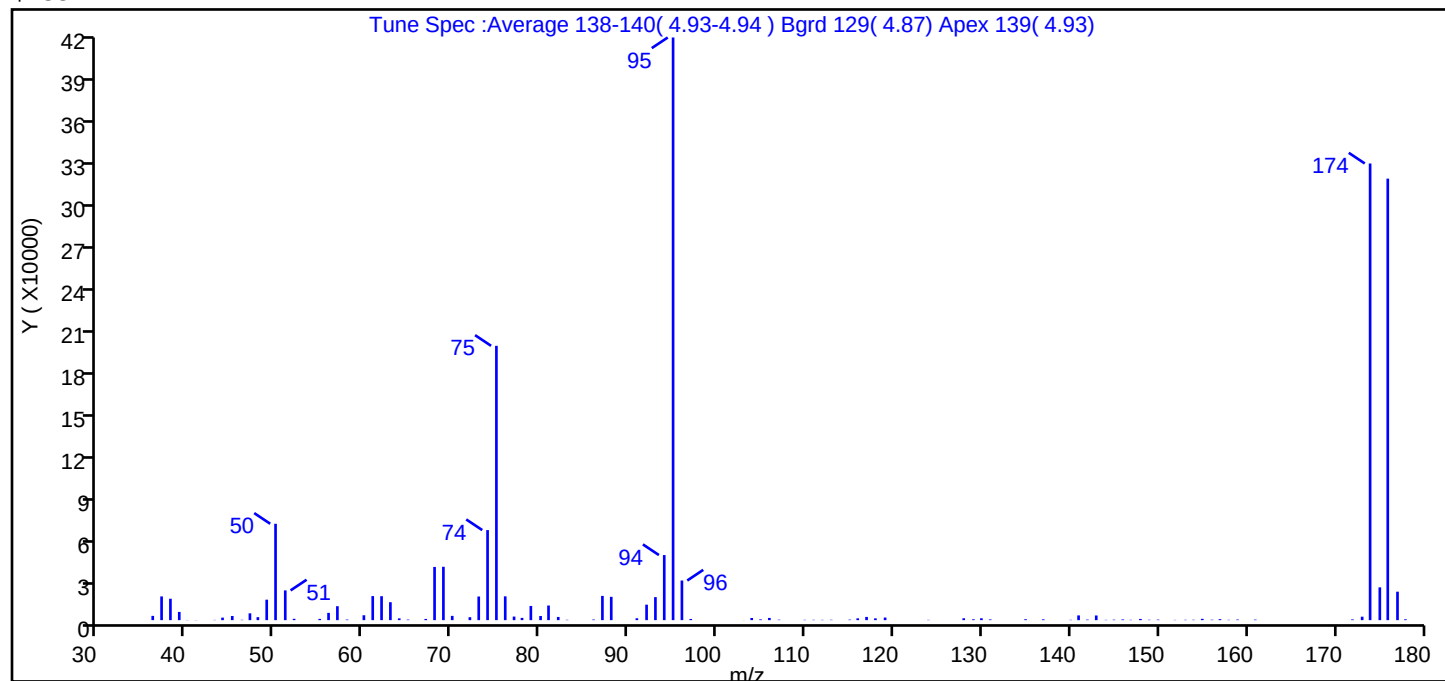
Dil. Factor: 1.0000

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

Tune Method: BFB Method 8260

\$ 35 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.5
75	30 to 60% of m/z 95	47.1
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.6 (0.8)
174	50 to 120% of m/z 95	78.4
175	5 to 9% of m/z 174	5.6 (7.2)
176	Greater than 95% but less than 101% of m/z 174	75.8 (96.7)
177	5 to 9% of m/z 176	4.9 (6.4)

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05T01.D\MSVoa_7159.rslt\spectra.d
Injection Date: 05-Apr-2025 08:18:52
Spectrum: Tune Spec :Average 138-140(4.93-4.94) Bgrd 129(4.87) Apex 139(4.93)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 100

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3006	65.00	394	96.00	27952	142.00	395
37.00	16728	67.00	857	97.00	842	143.00	3296
38.00	15116	68.00	37544	103.00	51	144.00	212
39.00	5807	69.00	37656	104.00	1531	145.00	336
40.00	122	70.00	3010	105.00	541	146.00	488
41.00	102	72.00	2080	106.00	1568	147.00	231
43.00	168	73.00	16672	107.00	309	148.00	849
44.00	1770	74.00	63536	110.00	227	149.00	267
45.00	2915	75.00	193536	111.00	246	150.00	373
46.00	244	76.00	16792	112.00	213	152.00	178
47.00	4808	77.00	2521	113.00	270	153.00	248
48.00	2103	78.00	1594	115.00	374	154.00	261
49.00	14437	79.00	10001	116.00	1279	155.00	929
50.00	67992	80.00	2923	117.00	2274	156.00	312
51.00	20984	81.00	10325	118.00	1263	157.00	682
52.00	948	82.00	2258	119.00	1823	158.00	239
55.00	876	83.00	256	124.00	207	159.00	429
56.00	5134	86.00	434	128.00	1313	161.00	381
57.00	9836	87.00	17104	129.00	594	172.00	518
58.00	416	88.00	16448	130.00	1320	173.00	2438
60.00	3448	91.00	1328	131.00	497	174.00	322176
61.00	16960	92.00	10907	135.00	633	175.00	23128
62.00	16896	93.00	16234	137.00	560	176.00	311488
63.00	12662	94.00	45912	140.00	224	177.00	20072
64.00	1250	95.00	411072	141.00	3347	178.00	592

Report Date: 05-Apr-2025 10:04:57

Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05T01.D

Injection Date: 05-Apr-2025 08:18:52

Instrument ID: 7159

Operator ID: cIm27445

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 uL

Dil. Factor: 1.0000

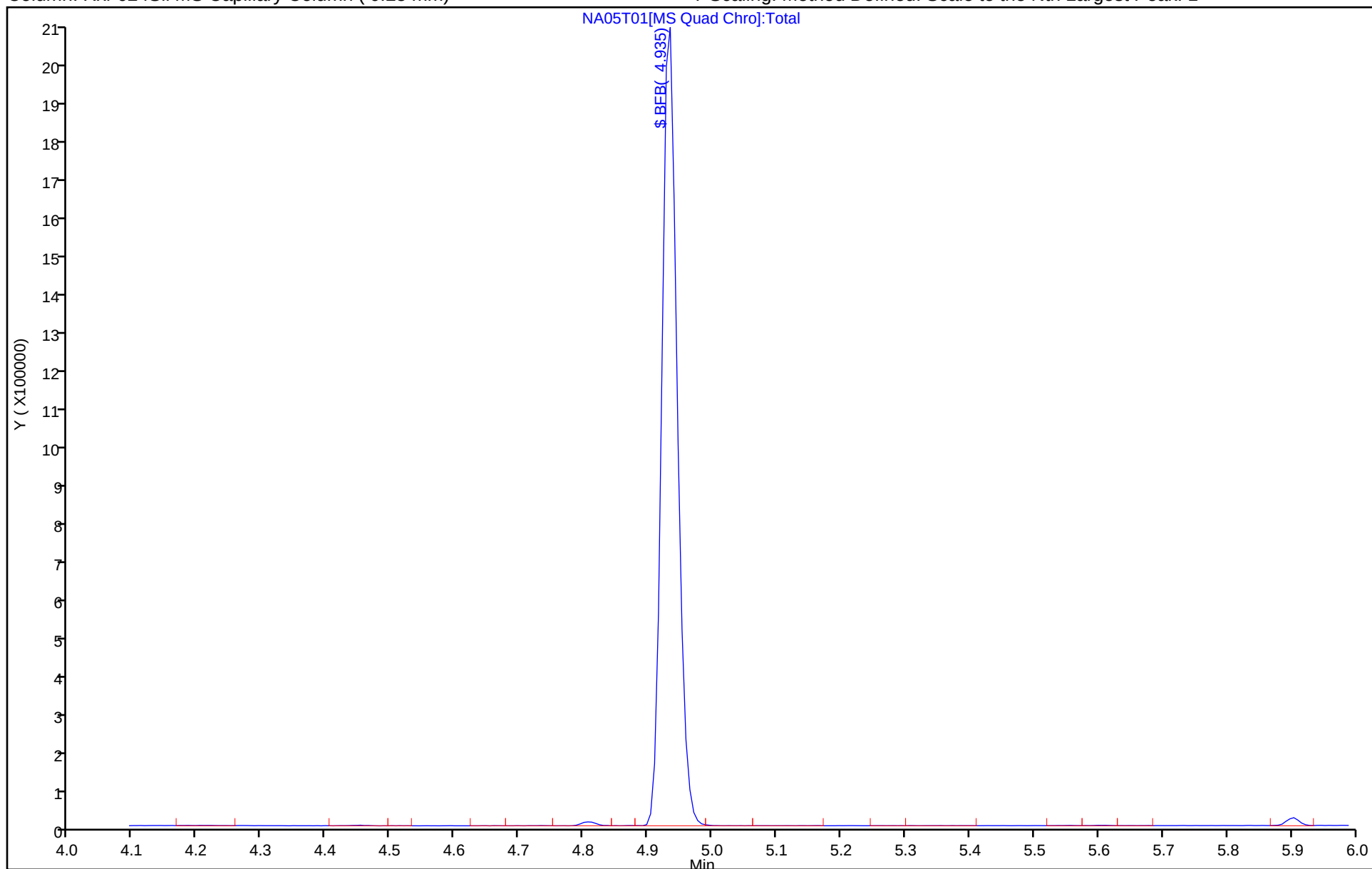
ALS Bottle#: 1

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

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



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-214589-1

SDG No.:

Client Sample ID:

Lab Sample ID: MB 410-626753/7

Matrix: Water

Lab File ID: NA05X06.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 5(mL)

Date Analyzed: 04/05/2025 10:40

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 5.0(mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 626753

Units: ug/L

Preparation Batch No.:

Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-214589-1
SDG No.:	
Client Sample ID:	Lab Sample ID: MB 410-626753/7
Matrix: Water	Lab File ID: NA05X06.D
Analysis Method: 8260D	Date Collected:
Sample wt/vol: 5(mL)	Date Analyzed: 04/05/2025 10:40
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: R-624SilMS 30m ID: 0.25 (mm)
Purge Volume: 5.0 (mL)	Heated Purge: (Y/N) N pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 626753	Units: ug/L
Preparation Batch No.:	Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		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\7159\20250405-143131.b\NA05X06.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 05-Apr-2025 10:40:27 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0143131-007
 Misc. Info.: MB
 Operator ID: clm27445 Instrument ID: 7159
 Method: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-Apr-2025 11:14:21 Calib Date: 31-Mar-2025 16:43:59
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1724

First Level Reviewer: TQ4J

Date: 05-Apr-2025 11:14:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		2.006					ND	
2 Chlorodifluoromethane	51		2.054					ND	7
5 Dichlorodifluoromethane	85		2.064					ND	
6 Chloromethane	50		2.270					ND	
7 Vinyl chloride	62		2.401					ND	
8 Butadiene	39		2.424					ND	
3 2-Chloro-1,1,1-Trifluoroethane	118		2.495					ND	
10 Bromomethane	94		2.787					ND	
11 Chloroethane	64		2.871					ND	
12 Dichlorofluoromethane	67		3.160					ND	
13 Trichlorofluoromethane	101		3.218					ND	
14 Pentane	43		3.241					ND	
16 Ethanol	45		3.434					ND	
4 Ethyl ether	59		3.476					ND	
17 1,2-Dichloro-1,1,2-trifluoroetha	67		3.594					ND	
18 Acrolein	56		3.678					ND	
19 1,1-Dichloroethene	96		3.832					ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.868					ND	
21 Acetone	58		3.871					ND	
23 Iodomethane	142		4.064					ND	
24 Isopropyl alcohol	45		4.067					ND	
25 Carbon disulfide	76		4.192					ND	7
9 Acetonitrile	41		4.308					ND	
26 Methyl acetate	43		4.331					ND	
27 3-Chloro-1-propene	41		4.360					ND	
28 Methylene Chloride	84		4.578					ND	
* 29 t-Butyl alcohol-d10 (IS)	65	4.636	4.630	0.006	95	265756	250.0	250.0	
30 2-Methyl-2-propanol	59		4.771					ND	
32 Acrylonitrile	53		4.938					ND	
33 Methyl tert-butyl ether	73		4.983					ND	
34 trans-1,2-Dichloroethene	96		4.987					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Hexane	57		5.414					ND	
37 1,1-Dichloroethane	63		5.665					ND	
15 Vinyl acetate	43		5.665					ND	
38 Isopropyl ether	45		5.723					ND	
39 2-Chloro-1,3-butadiene	53		5.771					ND	
S 42 1,2-Dichloroethene, Total	100		6.155					ND	7
41 Tert-butyl ethyl ether	59		6.253					ND	
43 2-Butanone (MEK)	43		6.479					ND	
44 cis-1,2-Dichloroethene	96		6.491					ND	
45 2,2-Dichloropropane	77		6.517					ND	
22 Ethyl acetate	43		6.530					ND	
46 Propionitrile	54		6.578					ND	
183 Methyl acrylate	55		6.607					ND	
47 Methacrylonitrile	67		6.784					ND	
48 Chlorobromomethane	128		6.823					ND	
49 Tetrahydrofuran	71		6.832					ND	
50 Chloroform	83		6.974					ND	
\$ 51 Dibromofluoromethane (Surr)	113	7.189	7.186	0.003	93	189846	50.0	48.5	
52 1,1,1-Trichloroethane	97		7.202					ND	
53 Cyclohexane	56		7.286					ND	
56 Carbon tetrachloride	117		7.398					ND	
55 1,1-Dichloropropene	75		7.405					ND	
57 Isobutyl alcohol	41		7.569					ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.643	7.643	0.001	63	49493	50.0	50.8	
60 Benzene	78		7.668					ND	
61 1,2-Dichloroethane	62		7.742					ND	
31 Isopropyl acetate	43		7.752					ND	
62 Tert-amyl methyl ether	73		7.848					ND	
65 t-Amyl alcohol	73		7.901					ND	
64 n-Heptane	43		8.064					ND	
* 63 Fluorobenzene (IS)	96	8.067	8.064	0.003	99	742486	50.0	50.0	
66 n-Butanol	56		8.424					ND	
67 Trichloroethene	95		8.530					ND	
178 Ethyl acrylate	55		8.655					ND	
68 Methylcyclohexane	83		8.835					ND	
70 2-ethoxy-2-methyl butane	87		8.868					ND	
69 1,2-Dichloropropane	63		8.871					ND	
71 Methyl methacrylate	69		8.945					ND	
72 1,4-Dioxane	88		8.954					ND	
73 Dibromomethane	93		8.980					ND	
40 n-Propyl acetate	61		9.029					ND	
75 Dichlorobromomethane	83		9.202					ND	
76 2-Nitropropane	41		9.475					ND	
78 2-Chloroethyl vinyl ether	63		9.540					ND	
79 cis-1,3-Dichloropropene	75		9.716					ND	
80 4-Methyl-2-pentanone (MIBK)	43		9.884					ND	
\$ 81 Toluene-d8 (Surr)	98	10.009	10.006	0.003	93	676974	50.0	50.4	
S 104 1,3-Dichloropropene, Total	100		10.060					ND	7
82 Toluene	92		10.080					ND	
105 trans-1,3-Dichloropropene	75		10.321					ND	
106 Ethyl methacrylate	69		10.376					ND	
107 1,1,2-Trichloroethane	97		10.520					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166		10.594					ND	
109 1,3-Dichloropropane	76		10.678					ND	
54 3,4-Dichloro-1-butene	75		10.717					ND	
110 2-Hexanone	43		10.723					ND	
58 n-Butyl acetate	43		10.839					ND	
111 Chlorodibromomethane	129		10.880					ND	
112 Ethylene Dibromide	107		10.990					ND	
S 113 Xylenes, Total	106		11.245					ND	7
* 114 Chlorobenzene-d5 (IS)	117	11.405	11.404	0.001	85	516465	50.0	50.0	U
115 1-Chlorohexane	91		11.404					ND	
116 Chlorobenzene	112		11.430					ND	
117 1,1,1,2-Tetrachloroethane	131		11.507					ND	
118 Ethylbenzene	91		11.511					ND	
119 m-Xylene & p-Xylene	106		11.620					ND	
272 n-Butyl acrylate	55		11.890					ND	
120 o-Xylene	106		11.941					ND	
121 Styrene	104		11.954					ND	
122 Bromoform	173		12.112					ND	
123 Isopropylbenzene	105		12.234					ND	
74 cis-1,4-Dichloro-2-butene	88	12.376	12.289	0.087	70	9282		8.31	
124 Cyclohexanone	55		12.324					ND	
\$ 125 4-Bromofluorobenzene (Surr)	95	12.379	12.376	0.003	90	236615	50.0	48.4	
126 1,1,2,2-Tetrachloroethane	83		12.472					ND	
127 Bromobenzene	156		12.494					ND	
128 trans-1,4-Dichloro-2-butene	53		12.498					ND	
129 1,2,3-Trichloropropane	110		12.523					ND	
130 N-Propylbenzene	91		12.556					ND	
131 2-Chlorotoluene	126		12.633					ND	
132 1,3,5-Trimethylbenzene	105		12.684					ND	
133 4-Chlorotoluene	126		12.723					ND	
77 2,3,4-Trichlorobutene	109		12.749					ND	
134 tert-Butylbenzene	134		12.925					ND	
136 1,2,4-Trimethylbenzene	105		12.967					ND	
135 Pentachloroethane	167		12.967					ND	
137 sec-Butylbenzene	105		13.086					ND	
138 1,3-Dichlorobenzene	146		13.186					ND	
139 4-Isopropyltoluene	119		13.192					ND	
* 140 1,4-Dichlorobenzene-d4	152	13.241	13.240	0.001	96	279576	50.0	50.0	
141 1,4-Dichlorobenzene	146		13.260					ND	
142 1,2,3-Trimethylbenzene	105		13.269					ND	
143 Benzyl chloride	91		13.337					ND	7
144 1,3-Diethylbenzene	119		13.388					ND	
145 p-Diethylbenzene	119		13.459					ND	
146 n-Butylbenzene	92		13.478					ND	
147 1,2-Dichlorobenzene	146		13.517					ND	
148 o-diethylbenzene	119		13.530					ND	
149 Hexachloroethane	201		13.560					ND	
150 1,2-Dibromo-3-Chloropropane	75		14.054					ND	
151 1,3,5-Trichlorobenzene	180		14.173					ND	7
152 1,2,4-Trichlorobenzene	180		14.594					ND	
267 2-Ethylhexyl acrylate	55		14.652					ND	
153 Hexachlorobutadiene	225		14.671					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
154 Naphthalene	128		14.781					ND	7
155 1,2,3-Trichlorobenzene	180		14.925					ND	
156 2-Methylnaphthalene	142		15.575					ND	7
157 C4-C10	1		0.000					ND	
167 Ethyl bromide	1		0.000					ND	
168 1,3-Divinylbenzene	1		0.000					ND	
169 1-Bromo-2-chloroethane	1		0.000					ND	
170 trans-1,2,3-Trichlorobutene-2	1		0.000					ND	
171 C6-C10	1		0.000					ND	
172 3-chloro-1-Butene	1		0.000					ND	
173 C6-C12	1		0.000					ND	
186 3-Methyl-1-butene	1		0.000					ND	
179 n-Decane	57		0.000					ND	
180 Dodecane	57		0.000					ND	
181 Butane	1		0.000					ND	
182 tert-Butyl Formate	1		0.000					ND	
184 Methylal	1		0.000					ND	
166 Chloroacetonitrile	1		0.000					ND	
191 Undecane	1		0.000					ND	
193 sec-Butyl Alcohol	45		0.000					ND	
S 175 Total BTEX	1		0.000					ND	
174 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000					ND	
187 Propanol	1		0.000					ND	
188 n-Nonane	1		0.000					ND	
189 Isobutyl acetate	43		0.000					ND	
190 n-Octane	1		0.000					ND	
289 bis(2-chloromethyl)ether TIC	1		0.000					ND	
163 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
288 4-Hydroxy-4-methyl-2-pentanone TIC	1		0.000					ND	
S 177 divinyl benzene	1		0.000					ND	7
S 165 Total Diethylbenzene	1		0.000					ND	7
159 1-Chlorobutane	1		0.000					ND	
160 Diethoxymethane	1		0.000					ND	
161 2,3-Dichloro-1,3-butadiene	1		0.000					ND	
162 cis-1,2,3-Trichlorobutene-2	1		0.000					ND	
176 Propene oxide	1		0.000					ND	
164 1,4-Divinylbenzene	1		0.000					ND	
158 C4-C12	1		0.000					ND	
198 C5-C12	1		0.000					ND	
268 2-Butoxyethyl acetate	1		0.000					ND	
269 Gasoline (Unleaded)	1		0.000					ND	
270 TAH TIC	1		0.000					ND	
271 Dimethyl Sulfide	1		0.000					ND	
273 1-Methylnaphthalene	142		0.000					ND	
274 C7-C12	1		0.000					ND	
\$ 275 trans-1,2,3-Trichlorobutene-2 TIC	1		0.000					ND	
276 sec-Butyl Alcohol TIC	1		0.000					ND	
277 1,1,1,2-Tetrafluoroethane TIC	1		0.000					ND	
278 Phosgene TIC	1		0.000					ND	
279 2-ethoxy-2-methyl butane TIC	1		0.000					ND	
280 2,3-Dimethylbutane TIC	1		0.000					ND	
282 Methylcyclopentane 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
281 2,2-Dimethylbutane TIC	1		0.000					ND	
295 Methyl Isocyanate TIC	1		0.000					ND	
294 Cyclopentane TIC	1		0.000					ND	
293 3-Methylpentane TIC	1		0.000					ND	
292 1-Methylnaphthalene (TIC)	1		0.000					ND	
291 3-Pentanone TIC	1		0.000					ND	
192 4-Ethyltoluene	1		0.000					ND	
290 2-Methylhexane TIC	1		0.000					ND	
194 3-chloro-1-Butene TIC	1		0.000					ND	
287 2,2-Dimethylpropane TIC	1		0.000					ND	
286 Dimethyl Sulfide TIC	1		0.000					ND	
285 Decamethylcyclopentasiloxane TIC			0.000					ND	
284 Dimethylformamide TIC	1		0.000					ND	
283 Carbonyl sulfide TIC	1		0.000					ND	
296 Styrene oxide TIC	1		0.000					ND	
297 3-Methylhexane TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_Cent_ISSS_00035

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 05-Apr-2025 11:14:34

Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X06.D

Injection Date: 05-Apr-2025 10:40:27

Instrument ID: 7159

Operator ID: cIm27445

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

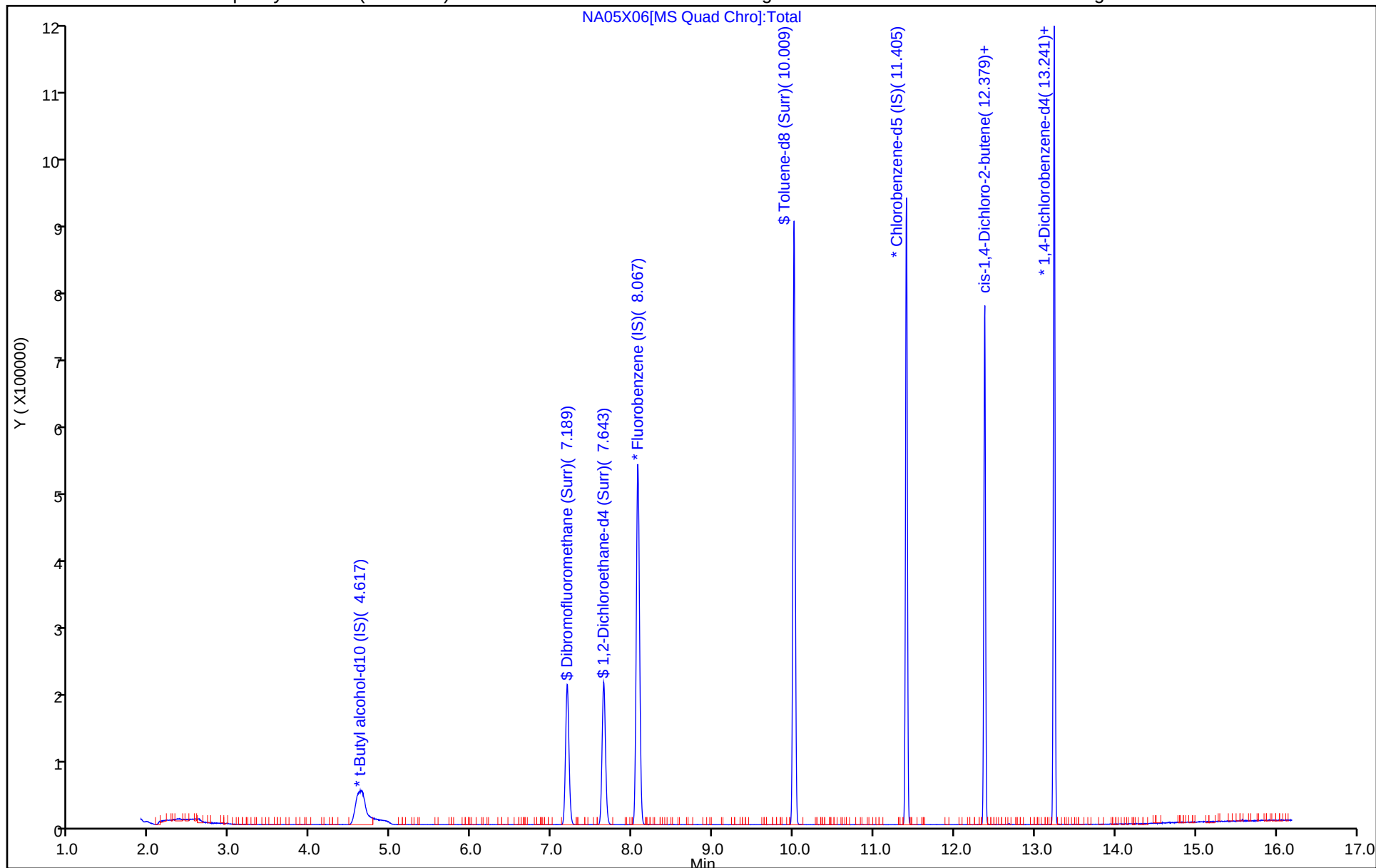
ALS Bottle#: 6

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X06.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 05-Apr-2025 10:40:27 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0143131-007
Misc. Info.: MB
Operator ID: clm27445 Instrument ID: 7159
Method: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 05-Apr-2025 11:14:21 Calib Date: 31-Mar-2025 16:43:59
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1724

First Level Reviewer: TQ4J

Date: 05-Apr-2025 11:14:21

Compound	Amount Added	Amount Recovered	% Rec.
\$ 51 Dibromofluoromethane (Surr)	50.0	48.5	97.00
\$ 59 1,2-Dichloroethane-d4 (Surr)	50.0	50.8	101.66
\$ 81 Toluene-d8 (Surr)	50.0	50.4	100.88
\$ 125 4-Bromofluorobenzene (Surr)	50.0	48.4	96.80

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-214589-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-626753/4

Matrix: Water

Lab File ID: NA05X03.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 5(mL)

Date Analyzed: 04/05/2025 09:39

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 5.0(mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 626753

Units: ug/L

Preparation Batch No.:

Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	19.2		1.0	0.30
71-55-6	1,1,1-Trichloroethane	18.9		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	19.4		1.0	0.30
79-00-5	1,1,2-Trichloroethane	19.8		1.0	0.30
75-34-3	1,1-Dichloroethane	20.3		1.0	0.30
75-35-4	1,1-Dichloroethene	18.5		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	18.8		1.0	0.20
107-06-2	1,2-Dichloroethane	19.9		1.0	0.30
78-87-5	1,2-Dichloropropane	19.9		1.0	0.30
78-93-3	2-Butanone (MEK)	266		10	0.50
591-78-6	2-Hexanone	299		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	276		10	0.50
67-64-1	Acetone	280		20	0.70
71-43-2	Benzene	18.9		1.0	0.30
74-97-5	Bromochloromethane	19.0		5.0	0.20
75-27-4	Bromodichloromethane	18.0		1.0	0.20
75-25-2	Bromoform	16.7		4.0	1.0
74-83-9	Bromomethane	19.7		1.0	0.30
75-15-0	Carbon disulfide	14.7		5.0	0.30
56-23-5	Carbon tetrachloride	18.1		1.0	0.30
108-90-7	Chlorobenzene	19.1		1.0	0.30
75-00-3	Chloroethane	20.5		1.0	0.30
67-66-3	Chloroform	19.7		1.0	0.30
74-87-3	Chloromethane	22.1		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	19.1		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	17.0		1.0	0.20
124-48-1	Dibromochloromethane	17.6		1.0	0.20
100-41-4	Ethylbenzene	19.4		1.0	0.40
1634-04-4	Methyl tert-butyl ether	17.8		1.0	0.20
75-09-2	Methylene Chloride	19.8		1.0	0.30
100-42-5	Styrene	19.3		5.0	0.30
127-18-4	Tetrachloroethene	18.5		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-214589-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-626753/4

Matrix: Water

Lab File ID: NA05X03.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 5 (mL)

Date Analyzed: 04/05/2025 09:39

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 5.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 626753

Units: ug/L

Preparation Batch No.:

Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	19.2		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	19.2		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	18.2		1.0	0.20
79-01-6	Trichloroethene	18.4		1.0	0.30
75-01-4	Vinyl chloride	20.8		1.0	0.30
1330-20-7	Xylenes, Total	57.0		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		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\7159\20250405-143131.b\NA05X03.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 05-Apr-2025 09:39:48 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0143131-004
 Misc. Info.: LCS
 Operator ID: clm27445 Instrument ID: 7159
 Method: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-Apr-2025 10:26:46 Calib Date: 31-Mar-2025 16:43:59
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1724

First Level Reviewer: TQ4J

Date: 05-Apr-2025 10:25:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.058	2.064	-0.006	99	111489	20.0	13.4	
6 Chloromethane	50	2.267	2.270	-0.004	99	140911	20.0	22.1	
7 Vinyl chloride	62	2.392	2.401	-0.009	98	140491	20.0	20.8	
8 Butadiene	39	2.421	2.424	-0.003	88	112315	20.0	20.3	
10 Bromomethane	94	2.781	2.787	-0.006	91	129626	20.0	19.7	
11 Chloroethane	64	2.865	2.871	-0.006	100	93967	20.0	20.5	
12 Dichlorofluoromethane	67	3.157	3.160	-0.003	97	262132	20.0	19.5	
13 Trichlorofluoromethane	101	3.212	3.218	-0.006	96	163188	20.0	16.2	
14 Pentane	43	3.231	3.241	-0.010	97	97963	20.0	12.3	
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.607	3.594	0.013	93	114981	20.0	18.7	
18 Acrolein	56	3.675	3.678	-0.003	100	224243	146.4	157.8	
19 1,1-Dichloroethene	96	3.829	3.832	-0.003	96	86245	20.0	18.5	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.865	3.868	-0.003	87	87197	20.0	14.9	
21 Acetone	58	3.871	3.871	0.000	100	188877	250.0	280.5	
23 Iodomethane	142	4.061	4.064	-0.003	99	146336	20.0	15.6	M
24 Isopropyl alcohol	45	4.054	4.067	-0.013	45	82449	150.0	110.8	
25 Carbon disulfide	76	4.189	4.192	-0.003	99	206889	20.0	14.7	
26 Methyl acetate	43	4.334	4.331	0.003	97	88040	20.0	19.9	
27 3-Chloro-1-propene	41	4.353	4.360	-0.007	92	103878	20.0	17.9	
28 Methylene Chloride	84	4.582	4.578	0.004	92	107775	20.0	19.8	M
* 29 t-Butyl alcohol-d10 (IS)	65	4.614	4.630	-0.016	91	277282	250.0	250.0	
30 2-Methyl-2-propanol	59	4.742	4.771	-0.029	36	222526	200.0	220.0	M
32 Acrylonitrile	53	4.942	4.938	0.004	99	265551	100.0	103.6	
33 Methyl tert-butyl ether	73	4.980	4.983	-0.003	95	242702	20.0	17.8	
34 trans-1,2-Dichloroethene	96	4.983	4.987	-0.004	99	86254	20.0	19.2	
36 Hexane	57	5.418	5.414	0.004	93	86085	20.0	14.5	
37 1,1-Dichloroethane	63	5.662	5.665	-0.003	96	148691	20.0	20.3	
38 Isopropyl ether	45	5.723	5.723	0.000	93	239328	20.0	19.1	
39 2-Chloro-1,3-butadiene	53	5.768	5.771	-0.003	90	99768	20.0	17.4	
41 Tert-butyl ethyl ether	59	6.250	6.253	-0.003	97	220885	20.0	17.1	
43 2-Butanone (MEK)	43	6.472	6.479	-0.007	99	807043	250.0	265.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 cis-1,2-Dichloroethene	96	6.495	6.491	0.004	81	99547	20.0	19.1	
45 2,2-Dichloropropane	77	6.514	6.517	-0.003	85	129164	20.0	19.1	
46 Propionitrile	54	6.585	6.578	0.007	99	179749	150.0	168.8	
47 Methacrylonitrile	67	6.784	6.784	0.000	91	370314	150.0	154.3	
48 Chlorobromomethane	128	6.826	6.823	0.003	96	49544	20.0	19.0	
49 Tetrahydrofuran	71	6.832	6.832	0.000	91	94684	100.0	104.1	
50 Chloroform	83	6.971	6.974	-0.003	93	152340	20.0	19.7	
\$ 51 Dibromofluoromethane (Surr)	113	7.189	7.186	0.003	93	196644	50.0	49.3	
52 1,1,1-Trichloroethane	97	7.196	7.202	-0.006	98	142286	20.0	18.9	
53 Cyclohexane	56	7.289	7.286	0.003	90	143066	20.0	16.2	
56 Carbon tetrachloride	117	7.401	7.398	0.003	93	113398	20.0	18.1	
55 1,1-Dichloropropene	75	7.405	7.405	0.000	96	105786	20.0	17.7	
57 Isobutyl alcohol	41	7.569	7.569	0.000	92	167346	500.0	560.8	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.643	7.643	0.001	91	49356	50.0	49.8	
60 Benzene	78	7.665	7.668	-0.003	96	339423	20.0	18.9	
61 1,2-Dichloroethane	62	7.742	7.742	0.000	97	109905	20.0	19.9	
62 Tert-amyl methyl ether	73	7.855	7.848	0.007	98	218699	20.0	17.3	a
64 n-Heptane	43	8.061	8.064	-0.003	87	86276	20.0	17.1	
* 63 Fluorobenzene (IS)	96	8.064	8.064	0.000	98	756240	50.0	50.0	
66 n-Butanol	56	8.424	8.424	0.000	89	238135	1000.0	985.0	
67 Trichloroethene	95	8.530	8.530	0.000	98	84089	20.0	18.4	
68 Methylcyclohexane	83	8.839	8.835	0.004	93	147244	20.0	15.6	
70 2-ethoxy-2-methyl butane	87	8.864	8.868	-0.004	97	118055	20.0	18.1	
69 1,2-Dichloropropane	63	8.868	8.871	-0.003	92	84730	20.0	19.9	
71 Methyl methacrylate	69	8.948	8.945	0.003	89	59744	20.0	18.6	
72 1,4-Dioxane	88	8.954	8.954	0.000	53	40819	500.0	493.3	
73 Dibromomethane	93	8.977	8.980	-0.003	97	53587	20.0	18.9	
75 Dichlorobromomethane	83	9.205	9.202	0.003	99	89591	20.0	18.0	
76 2-Nitropropane	41	9.475	9.475	0.000	96	17541	20.0	15.1	
78 2-Chloroethyl vinyl ether	63	9.546	9.540	0.006	92	46170	20.0	17.8	
79 cis-1,3-Dichloropropene	75	9.716	9.716	0.000	96	102968	20.0	17.0	
80 4-Methyl-2-pentanone (MIBK)	43	9.884	9.884	0.000	96	1564059	250.0	276.4	
\$ 81 Toluene-d8 (Surr)	98	10.006	10.006	0.000	93	719980	50.0	51.4	
82 Toluene	92	10.080	10.080	0.000	99	196976	20.0	19.2	
105 trans-1,3-Dichloropropene	75	10.324	10.321	0.003	92	89518	20.0	18.2	
106 Ethyl methacrylate	69	10.376	10.376	0.000	89	93020	20.0	18.4	
107 1,1,2-Trichloroethane	97	10.520	10.520	0.000	91	71055	20.0	19.8	
108 Tetrachloroethene	166	10.597	10.594	0.003	92	85165	20.0	18.5	
109 1,3-Dichloropropane	76	10.678	10.678	0.000	89	116179	20.0	19.6	
110 2-Hexanone	43	10.726	10.723	0.003	96	1075433	250.0	299.1	
111 Chlorodibromomethane	129	10.880	10.880	0.000	90	61882	20.0	17.6	
112 Ethylene Dibromide	107	10.990	10.990	0.000	98	69113	20.0	18.8	
* 114 Chlorobenzene-d5 (IS)	117	11.405	11.404	0.001	85	538888	50.0	50.0	
115 1-Chlorohexane	91	11.408	11.404	0.004	96	93642	20.0	17.0	
116 Chlorobenzene	112	11.430	11.430	0.000	96	219611	20.0	19.1	
117 1,1,1,2-Tetrachloroethane	131	11.507	11.507	0.000	95	84406	20.0	19.2	
118 Ethylbenzene	91	11.511	11.511	0.000	98	382027	20.0	19.4	
119 m-Xylene & p-Xylene	106	11.620	11.620	0.000	99	295641	40.0	38.4	
120 o-Xylene	106	11.945	11.941	0.004	96	150192	20.0	18.6	
121 Styrene	104	11.958	11.954	0.004	94	215367	20.0	19.3	
122 Bromoform	173	12.112	12.112	0.000	96	38122	20.0	16.7	
123 Isopropylbenzene	105	12.234	12.234	0.000	96	411213	20.0	21.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 125 4-Bromofluorobenzene (Surr)	95	12.376	12.376	0.000	88	259983	50.0	51.0	
126 1,1,2,2-Tetrachloroethane	83	12.475	12.472	0.003	94	119440	20.0	19.4	
127 Bromobenzene	156	12.495	12.494	0.001	95	90889	20.0	18.5	
128 trans-1,4-Dichloro-2-butene	53	12.501	12.498	0.003	91	164846	100.0	108.2	
129 1,2,3-Trichloropropane	110	12.523	12.523	0.000	72	38044	20.0	18.9	a
130 N-Propylbenzene	91	12.556	12.556	0.000	99	474199	20.0	19.3	
131 2-Chlorotoluene	126	12.633	12.633	0.000	97	94605	20.0	18.3	
132 1,3,5-Trimethylbenzene	105	12.687	12.684	0.003	94	348728	20.0	18.8	
133 4-Chlorotoluene	126	12.723	12.723	0.000	97	90434	20.0	18.6	
134 tert-Butylbenzene	134	12.925	12.925	0.000	93	67691	20.0	17.4	
136 1,2,4-Trimethylbenzene	105	12.967	12.967	0.000	98	343357	20.0	18.8	
137 sec-Butylbenzene	105	13.086	13.086	0.000	94	436077	20.0	18.2	
138 1,3-Dichlorobenzene	146	13.186	13.186	0.000	97	177226	20.0	19.0	
139 4-Isopropyltoluene	119	13.192	13.192	0.000	97	365335	20.0	18.1	
* 140 1,4-Dichlorobenzene-d4	152	13.241	13.240	0.000	95	295456	50.0	50.0	
141 1,4-Dichlorobenzene	146	13.260	13.260	0.000	95	178423	20.0	19.2	
142 1,2,3-Trimethylbenzene	105	13.269	13.269	0.000	98	358911	20.0	18.2	
143 Benzyl chloride	91	13.337	13.337	0.000	98	167409	20.0	18.3	
144 1,3-Diethylbenzene	119	13.388	13.388	0.000	95	212663	20.0	19.0	
145 p-Diethylbenzene	119	13.459	13.459	0.000	94	218771	20.0	19.0	
146 n-Butylbenzene	92	13.478	13.478	0.000	97	178405	20.0	19.3	a
147 1,2-Dichlorobenzene	146	13.517	13.517	0.000	98	175536	20.0	18.9	
148 o-diethylbenzene	119	13.530	13.530	0.000	95	182412	20.0	18.1	
150 1,2-Dibromo-3-Chloropropane	75	14.054	14.054	0.000	83	25803	20.0	17.5	
151 1,3,5-Trichlorobenzene	180	14.173	14.173	0.000	97	122829	20.0	18.0	
152 1,2,4-Trichlorobenzene	180	14.594	14.594	0.000	94	107322	20.0	18.2	
153 Hexachlorobutadiene	225	14.671	14.671	0.000	98	40534	20.0	16.4	
154 Naphthalene	128	14.781	14.781	0.000	97	397930	20.0	18.3	
155 1,2,3-Trichlorobenzene	180	14.922	14.925	-0.003	95	106905	20.0	17.7	
156 2-Methylnaphthalene	142	15.575	15.575	0.000	95	199731	20.0	17.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LCS_2CEVE_00222

Amount Added: 50.00

Units: uL

MSV_LCS_ACROL_00220

Amount Added: 50.00

Units: uL

MSV_LCS_Gases_00244

Amount Added: 50.00

Units: uL

MSV_LCS_VOC#1_00214

Amount Added: 50.00

Units: uL

MSV_Cent_ISSS_00035

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 05-Apr-2025 10:27:28

Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X03.D

Injection Date: 05-Apr-2025 09:39:48

Instrument ID: 7159

Operator ID: clm27445

Lims ID: LCS

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

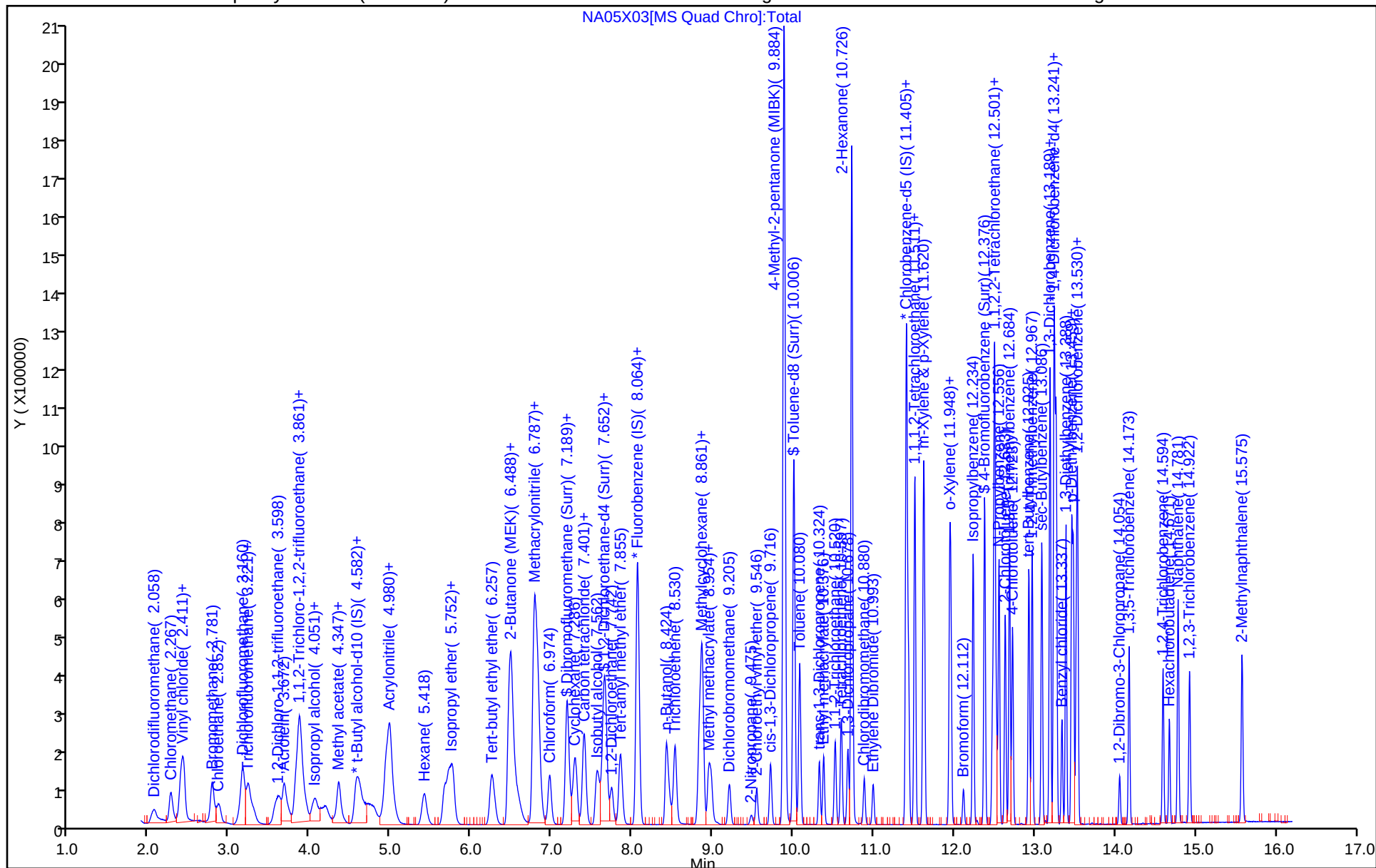
ALS Bottle#: 3

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 05-Apr-2025 09:39:48 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0143131-004
Misc. Info.: LCS
Operator ID: clm27445 Instrument ID: 7159
Method: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 05-Apr-2025 10:26:46 Calib Date: 31-Mar-2025 16:43:59
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1724

First Level Reviewer: TQ4J

Date: 05-Apr-2025 10:25:08

Compound	Amount Added	Amount Recovered	% Rec.
\$ 51 Dibromofluoromethane (Surr)	50.0	49.3	98.65
\$ 59 1,2-Dichloroethane-d4 (Surr)	50.0	49.8	99.54
\$ 81 Toluene-d8 (Surr)	50.0	51.4	102.83
\$ 125 4-Bromofluorobenzene (Surr)	50.0	51.0	101.94

Eurofins Lancaster Laboratories Environment Testing, LLC

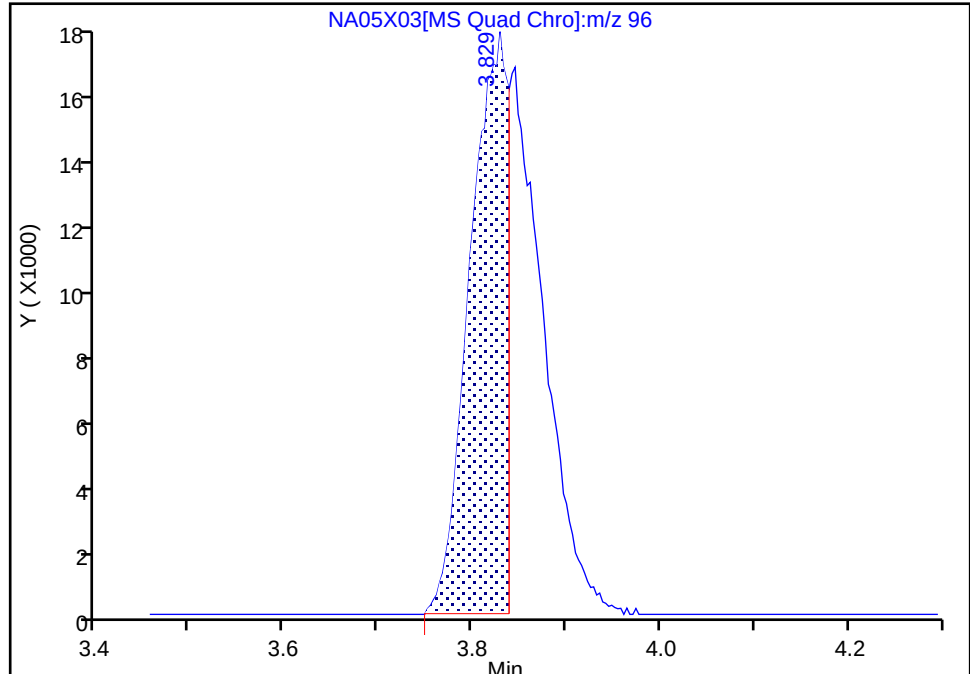
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X03.D
Injection Date: 05-Apr-2025 09:39:48 Instrument ID: 7159
Lims ID: LCS
Client ID:
Operator ID: clm27445 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

19 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

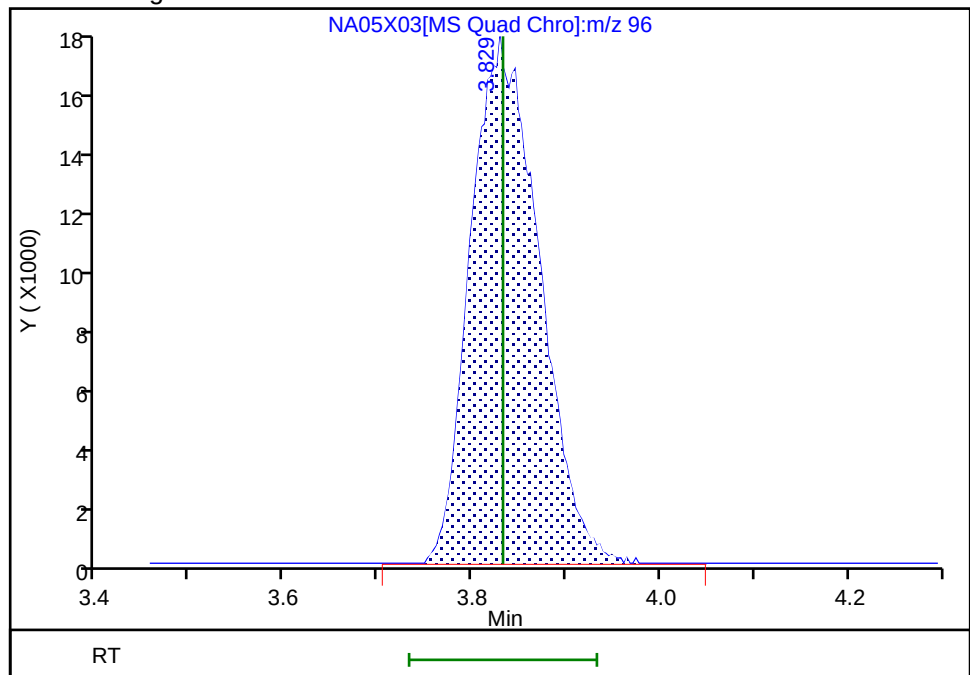
RT: 3.83
Area: 47470
Amount: 10.190366
Amount Units: ug/l

Processing Integration Results



RT: 3.83
Area: 86245
Amount: 18.514180
Amount Units: ug/l

Manual Integration Results



Reviewer: TQ4J, 05-Apr-2025 10:20:46 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

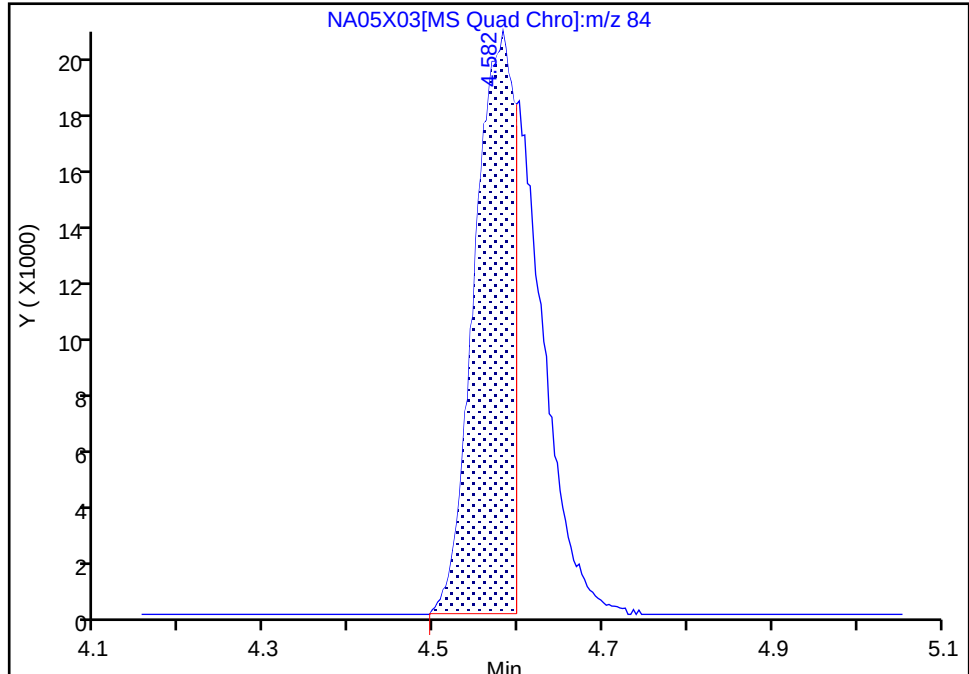
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X03.D
Injection Date: 05-Apr-2025 09:39:48 Instrument ID: 7159
Lims ID: LCS
Client ID:
Operator ID: clm27445 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

28 Methylene Chloride, CAS: 75-09-2

Signal: 1

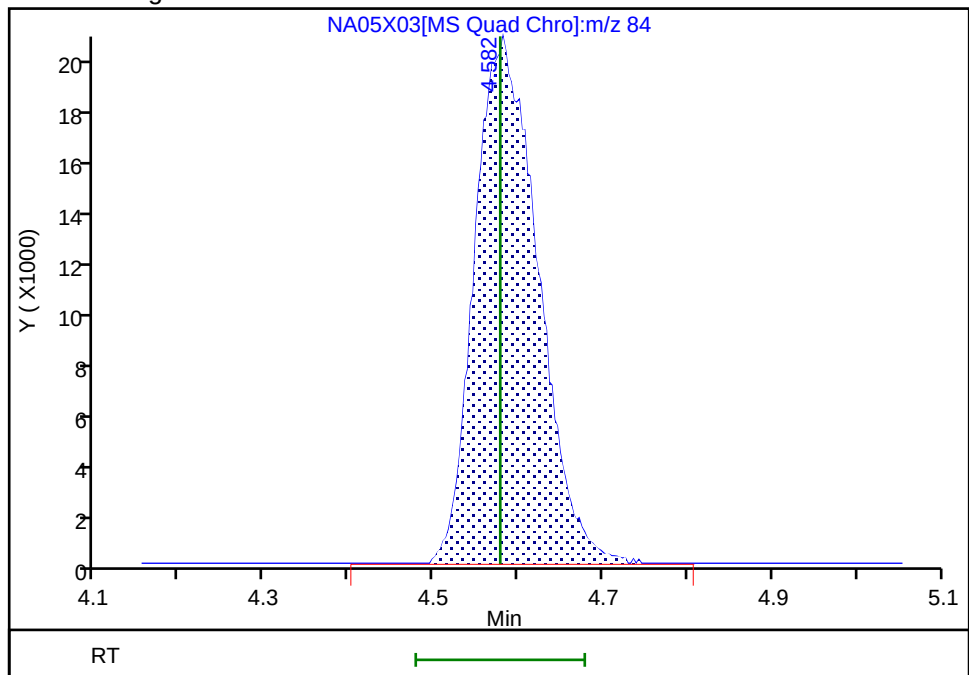
RT: 4.58
Area: 67705
Amount: 12.435355
Amount Units: ug/l

Processing Integration Results



RT: 4.58
Area: 107775
Amount: 19.794999
Amount Units: ug/l

Manual Integration Results



Reviewer: TQ4J, 05-Apr-2025 10:21:01 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-214589-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCSD 410-626753/5

Matrix: Water

Lab File ID: NA05X04.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 5 (mL)

Date Analyzed: 04/05/2025 09:59

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 5.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 626753

Units: ug/L

Preparation Batch No.:

Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	19.2		1.0	0.30
71-55-6	1,1,1-Trichloroethane	18.7		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	19.4		1.0	0.30
79-00-5	1,1,2-Trichloroethane	19.7		1.0	0.30
75-34-3	1,1-Dichloroethane	19.9		1.0	0.30
75-35-4	1,1-Dichloroethene	18.5		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	18.6		1.0	0.20
107-06-2	1,2-Dichloroethane	19.6		1.0	0.30
78-87-5	1,2-Dichloropropane	20.0		1.0	0.30
78-93-3	2-Butanone (MEK)	258		10	0.50
591-78-6	2-Hexanone	290		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	273		10	0.50
67-64-1	Acetone	268		20	0.70
71-43-2	Benzene	18.9		1.0	0.30
74-97-5	Bromochloromethane	18.6		5.0	0.20
75-27-4	Bromodichloromethane	18.0		1.0	0.20
75-25-2	Bromoform	16.4		4.0	1.0
74-83-9	Bromomethane	20.2		1.0	0.30
75-15-0	Carbon disulfide	14.7		5.0	0.30
56-23-5	Carbon tetrachloride	18.1		1.0	0.30
108-90-7	Chlorobenzene	19.2		1.0	0.30
75-00-3	Chloroethane	20.5		1.0	0.30
67-66-3	Chloroform	19.3		1.0	0.30
74-87-3	Chloromethane	19.5		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	18.9		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	17.0		1.0	0.20
124-48-1	Dibromochloromethane	17.4		1.0	0.20
100-41-4	Ethylbenzene	19.4		1.0	0.40
1634-04-4	Methyl tert-butyl ether	17.5		1.0	0.20
75-09-2	Methylene Chloride	19.8		1.0	0.30
100-42-5	Styrene	19.2		5.0	0.30
127-18-4	Tetrachloroethene	18.3		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-214589-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCSD 410-626753/5

Matrix: Water

Lab File ID: NA05X04.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 5 (mL)

Date Analyzed: 04/05/2025 09:59

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 5.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 626753

Units: ug/L

Preparation Batch No.:

Instrument ID: 7159

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	19.4		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	18.8		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	18.0		1.0	0.20
79-01-6	Trichloroethene	18.6		1.0	0.30
75-01-4	Vinyl chloride	19.5		1.0	0.30
1330-20-7	Xylenes, Total	57.5		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		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\7159\20250405-143131.b\NA05X04.D
 Lims ID: LCSD
 Client ID:
 Sample Type: LCSD
 Inject. Date: 05-Apr-2025 09:59:40 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0143131-005
 Misc. Info.: LCSD
 Operator ID: clm27445 Instrument ID: 7159
 Method: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-Apr-2025 10:26:46 Calib Date: 31-Mar-2025 16:43:59
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1724

First Level Reviewer: TQ4J

Date: 05-Apr-2025 10:26:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.058	2.064	-0.006	99	110476	20.0	13.5	
6 Chloromethane	50	2.260	2.270	-0.010	99	122659	20.0	19.5	
7 Vinyl chloride	62	2.392	2.401	-0.009	98	130025	20.0	19.5	
8 Butadiene	39	2.415	2.424	-0.009	89	104328	20.0	19.1	
10 Bromomethane	94	2.781	2.787	-0.006	91	131334	20.0	20.2	
11 Chloroethane	64	2.861	2.871	-0.010	100	92744	20.0	20.5	
12 Dichlorofluoromethane	67	3.157	3.160	-0.003	97	260655	20.0	19.7	
13 Trichlorofluoromethane	101	3.212	3.218	-0.006	96	162794	20.0	16.4	
14 Pentane	43	3.234	3.241	-0.007	96	94959	20.0	12.1	
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.614	3.594	0.020	93	112683	20.0	18.6	M
18 Acrolein	56	3.685	3.678	0.007	100	212273	146.4	148.9	
19 1,1-Dichloroethene	96	3.829	3.832	-0.003	97	84983	20.0	18.5	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.871	3.868	0.003	81	87042	20.0	15.1	
21 Acetone	58	3.878	3.871	0.007	100	181334	250.0	268.3	
23 Iodomethane	142	4.058	4.064	-0.006	98	144926	20.0	15.7	Ma
24 Isopropyl alcohol	45	4.093	4.067	0.026	47	82772	150.0	110.8	
25 Carbon disulfide	76	4.196	4.192	0.004	99	203205	20.0	14.7	
26 Methyl acetate	43	4.344	4.331	0.013	97	72599	20.0	16.7	
27 3-Chloro-1-propene	41	4.363	4.360	0.003	93	99503	20.0	17.4	
28 Methylene Chloride	84	4.591	4.578	0.013	92	106373	20.0	19.8	Ma
* 29 t-Butyl alcohol-d10 (IS)	65	4.620	4.630	-0.010	91	278265	250.0	250.0	
30 2-Methyl-2-propanol	59	4.765	4.771	-0.006	97	183207	200.0	180.5	
32 Acrylonitrile	53	4.951	4.938	0.013	99	250230	100.0	99.0	
33 Methyl tert-butyl ether	73	4.987	4.983	0.004	97	234133	20.0	17.5	
34 trans-1,2-Dichloroethene	96	4.993	4.987	0.006	99	83123	20.0	18.8	
36 Hexane	57	5.424	5.414	0.010	93	82805	20.0	14.2	
37 1,1-Dichloroethane	63	5.669	5.665	0.003	96	144296	20.0	19.9	
38 Isopropyl ether	45	5.733	5.723	0.010	96	232439	20.0	18.8	
39 2-Chloro-1,3-butadiene	53	5.775	5.771	0.004	93	97520	20.0	17.2	
41 Tert-butyl ethyl ether	59	6.263	6.253	0.010	97	214432	20.0	16.8	M
43 2-Butanone (MEK)	43	6.482	6.479	0.003	100	771928	250.0	258.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 cis-1,2-Dichloroethene	96	6.498	6.491	0.007	80	96812	20.0	18.9	
45 2,2-Dichloropropane	77	6.521	6.517	0.004	88	126177	20.0	18.9	
46 Propionitrile	54	6.591	6.578	0.013	99	161344	150.0	151.0	
47 Methacrylonitrile	67	6.787	6.784	0.003	91	356935	150.0	151.0	M
48 Chlorobromomethane	128	6.829	6.823	0.006	91	47747	20.0	18.6	
49 Tetrahydrofuran	71	6.842	6.832	0.010	78	91151	100.0	99.8	
50 Chloroform	83	6.980	6.974	0.006	93	147066	20.0	19.3	a
\$ 51 Dibromofluoromethane (Surr)	113	7.196	7.186	0.010	93	189818	50.0	48.3	
52 1,1,1-Trichloroethane	97	7.205	7.202	0.003	98	138635	20.0	18.7	
53 Cyclohexane	56	7.292	7.286	0.006	91	140280	20.0	16.1	
56 Carbon tetrachloride	117	7.405	7.398	0.007	96	111817	20.0	18.1	
55 1,1-Dichloropropene	75	7.408	7.405	0.003	96	105179	20.0	17.9	
57 Isobutyl alcohol	41	7.572	7.569	0.003	98	162979	500.0	544.3	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.646	7.643	0.004	89	48283	50.0	49.4	
60 Benzene	78	7.672	7.668	0.004	96	334879	20.0	18.9	
61 1,2-Dichloroethane	62	7.749	7.742	0.007	98	106836	20.0	19.6	
62 Tert-amyl methyl ether	73	7.858	7.848	0.010	98	212393	20.0	17.0	
64 n-Heptane	43	8.070	8.064	0.006	84	84488	20.0	17.0	
* 63 Fluorobenzene (IS)	96	8.070	8.064	0.006	99	745107	50.0	50.0	
66 n-Butanol	56	8.434	8.424	0.010	89	237571	1000.0	979.2	
67 Trichloroethene	95	8.537	8.530	0.007	99	83795	20.0	18.6	
68 Methylcyclohexane	83	8.836	8.835	0.001	96	145012	20.0	15.6	
70 2-ethoxy-2-methyl butane	87	8.871	8.868	0.003	94	115504	20.0	17.9	
69 1,2-Dichloropropane	63	8.877	8.871	0.006	86	83931	20.0	20.0	
71 Methyl methacrylate	69	8.948	8.945	0.003	91	56697	20.0	17.9	
72 1,4-Dioxane	88	8.964	8.954	0.010	79	41584	500.0	500.7	a
73 Dibromomethane	93	8.984	8.980	0.004	97	52292	20.0	18.7	
75 Dichlorobromomethane	83	9.209	9.202	0.007	99	88195	20.0	18.0	
76 2-Nitropropane	41	9.482	9.475	0.007	96	17573	20.0	15.0	
78 2-Chloroethyl vinyl ether	63	9.549	9.540	0.009	91	44420	20.0	17.4	
79 cis-1,3-Dichloropropene	75	9.720	9.716	0.004	96	100980	20.0	17.0	
80 4-Methyl-2-pentanone (MIBK)	43	9.887	9.884	0.003	96	1520902	250.0	272.8	
\$ 81 Toluene-d8 (Surr)	98	10.009	10.006	0.003	93	709352	50.0	51.3	
82 Toluene	92	10.080	10.080	0.000	98	196849	20.0	19.4	
105 trans-1,3-Dichloropropene	75	10.328	10.321	0.007	92	87466	20.0	18.0	
106 Ethyl methacrylate	69	10.379	10.376	0.003	89	91390	20.0	18.3	
107 1,1,2-Trichloroethane	97	10.520	10.520	0.000	91	69777	20.0	19.7	
108 Tetrachloroethene	166	10.601	10.594	0.007	96	83316	20.0	18.3	
109 1,3-Dichloropropane	76	10.678	10.678	0.000	89	112861	20.0	19.3	
110 2-Hexanone	43	10.726	10.723	0.003	96	1031014	250.0	290.2	
111 Chlorodibromomethane	129	10.884	10.880	0.004	90	60298	20.0	17.4	
112 Ethylene Dibromide	107	10.993	10.990	0.003	98	67375	20.0	18.6	
* 114 Chlorobenzene-d5 (IS)	117	11.408	11.404	0.004	85	532478	50.0	50.0	
115 1-Chlorohexane	91	11.408	11.404	0.004	97	93501	20.0	17.2	
116 Chlorobenzene	112	11.430	11.430	0.000	96	217869	20.0	19.2	
117 1,1,1,2-Tetrachloroethane	131	11.511	11.507	0.004	94	83196	20.0	19.2	
118 Ethylbenzene	91	11.514	11.511	0.003	98	378160	20.0	19.4	
119 m-Xylene & p-Xylene	106	11.623	11.620	0.003	99	293644	40.0	38.6	
120 o-Xylene	106	11.945	11.941	0.004	96	151430	20.0	18.9	
121 Styrene	104	11.958	11.954	0.004	94	212071	20.0	19.2	
122 Bromoform	173	12.115	12.112	0.003	96	36736	20.0	16.4	
123 Isopropylbenzene	105	12.234	12.234	0.000	96	414024	20.0	21.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 125 4-Bromofluorobenzene (Surr)	95	12.376	12.376	0.000	88	255325	50.0	50.7	
126 1,1,2,2-Tetrachloroethane	83	12.475	12.472	0.003	94	116602	20.0	19.4	
127 Bromobenzene	156	12.495	12.494	0.001	96	87442	20.0	18.3	
128 trans-1,4-Dichloro-2-butene	53	12.501	12.498	0.003	90	154908	100.0	104.5	
129 1,2,3-Trichloropropane	110	12.524	12.523	0.001	82	37267	20.0	19.0	a
130 N-Propylbenzene	91	12.556	12.556	0.000	99	470436	20.0	19.7	
131 2-Chlorotoluene	126	12.633	12.633	0.000	97	93301	20.0	18.5	
132 1,3,5-Trimethylbenzene	105	12.688	12.684	0.004	95	347263	20.0	19.2	
133 4-Chlorotoluene	126	12.726	12.723	0.003	97	89572	20.0	18.9	
134 tert-Butylbenzene	134	12.926	12.925	0.001	93	67441	20.0	17.8	
136 1,2,4-Trimethylbenzene	105	12.967	12.967	0.000	97	341715	20.0	19.2	
137 sec-Butylbenzene	105	13.090	13.086	0.004	94	438402	20.0	18.8	
138 1,3-Dichlorobenzene	146	13.186	13.186	0.000	98	171936	20.0	18.9	
139 4-Isopropyltoluene	119	13.192	13.192	0.000	97	363561	20.0	18.5	
* 140 1,4-Dichlorobenzene-d4	152	13.241	13.240	0.001	95	287585	50.0	50.0	
141 1,4-Dichlorobenzene	146	13.260	13.260	0.000	95	172135	20.0	19.0	
142 1,2,3-Trimethylbenzene	105	13.270	13.269	0.001	98	356760	20.0	18.6	
143 Benzyl chloride	91	13.337	13.337	0.000	98	155124	20.0	17.5	
144 1,3-Diethylbenzene	119	13.389	13.388	0.001	95	209408	20.0	19.2	
145 p-Diethylbenzene	119	13.459	13.459	0.000	93	214888	20.0	19.1	
146 n-Butylbenzene	92	13.479	13.478	0.001	98	176791	20.0	19.6	a
147 1,2-Dichlorobenzene	146	13.517	13.517	0.000	98	171558	20.0	18.9	
148 o-diethylbenzene	119	13.533	13.530	0.003	95	181868	20.0	18.5	
150 1,2-Dibromo-3-Chloropropane	75	14.054	14.054	0.000	83	24896	20.0	17.4	
151 1,3,5-Trichlorobenzene	180	14.173	14.173	0.000	97	119217	20.0	18.0	
152 1,2,4-Trichlorobenzene	180	14.594	14.594	0.000	94	103052	20.0	18.0	
153 Hexachlorobutadiene	225	14.675	14.671	0.004	98	39937	20.0	16.6	
154 Naphthalene	128	14.781	14.781	0.000	97	382982	20.0	18.1	
155 1,2,3-Trichlorobenzene	180	14.922	14.925	-0.003	95	103477	20.0	17.6	
156 2-Methylnaphthalene	142	15.575	15.575	0.000	92	187953	20.0	16.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LCS_2CEVE_00222

Amount Added: 50.00

Units: uL

MSV_LCS_ACROL_00220

Amount Added: 50.00

Units: uL

MSV_LCS_Gases_00244

Amount Added: 50.00

Units: uL

MSV_LCS_VOC#1_00214

Amount Added: 50.00

Units: uL

MSV_Cent_ISSS_00035

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 05-Apr-2025 10:27:42

Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X04.D

Injection Date: 05-Apr-2025 09:59:40

Instrument ID: 7159

Operator ID: clm27445

Lims ID: LCSD

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

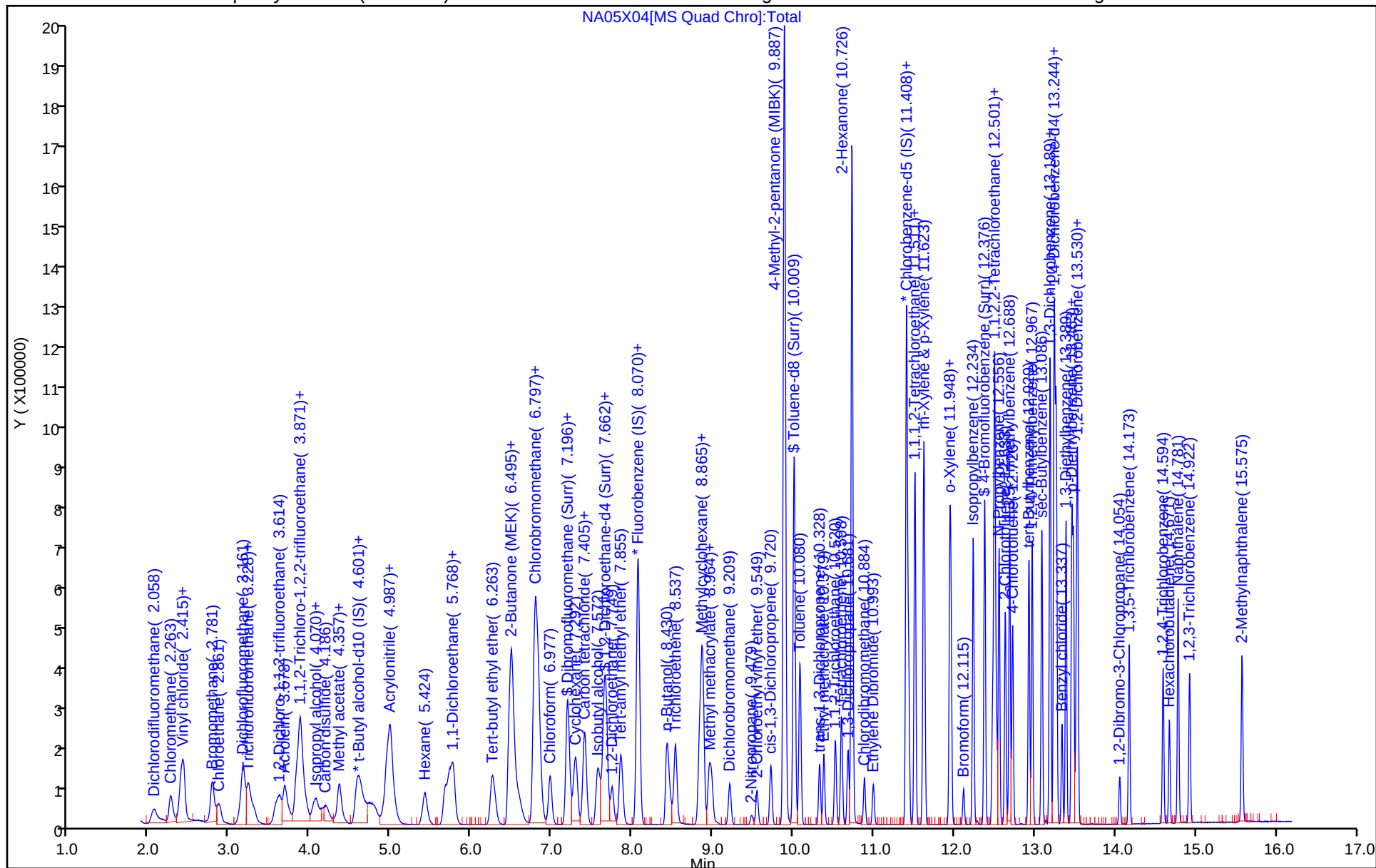
ALS Bottle#: 4

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

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

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



04/07/2025

Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X04.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 05-Apr-2025 09:59:40 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0143131-005
Misc. Info.: LCSD
Operator ID: clm27445 Instrument ID: 7159
Method: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 05-Apr-2025 10:26:46 Calib Date: 31-Mar-2025 16:43:59
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20250331-142514.b\NM31X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1724

First Level Reviewer: TQ4J

Date: 05-Apr-2025 10:26:46

Compound	Amount Added	Amount Recovered	% Rec.
\$ 51 Dibromofluoromethane (Surr)	50.0	48.3	96.64
\$ 59 1,2-Dichloroethane-d4 (Surr)	50.0	49.4	98.83
\$ 81 Toluene-d8 (Surr)	50.0	51.3	102.53
\$ 125 4-Bromofluorobenzene (Surr)	50.0	50.7	101.32

Eurofins Lancaster Laboratories Environment Testing, LLC

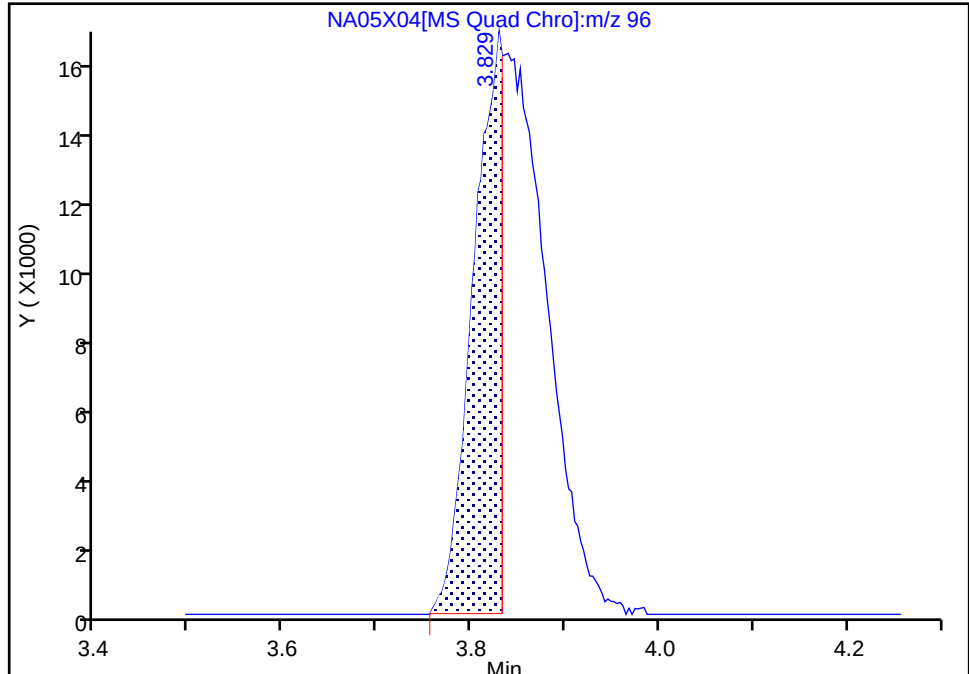
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X04.D
Injection Date: 05-Apr-2025 09:59:40 Instrument ID: 7159
Lims ID: LCSD
Client ID:
Operator ID: clm27445 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

19 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

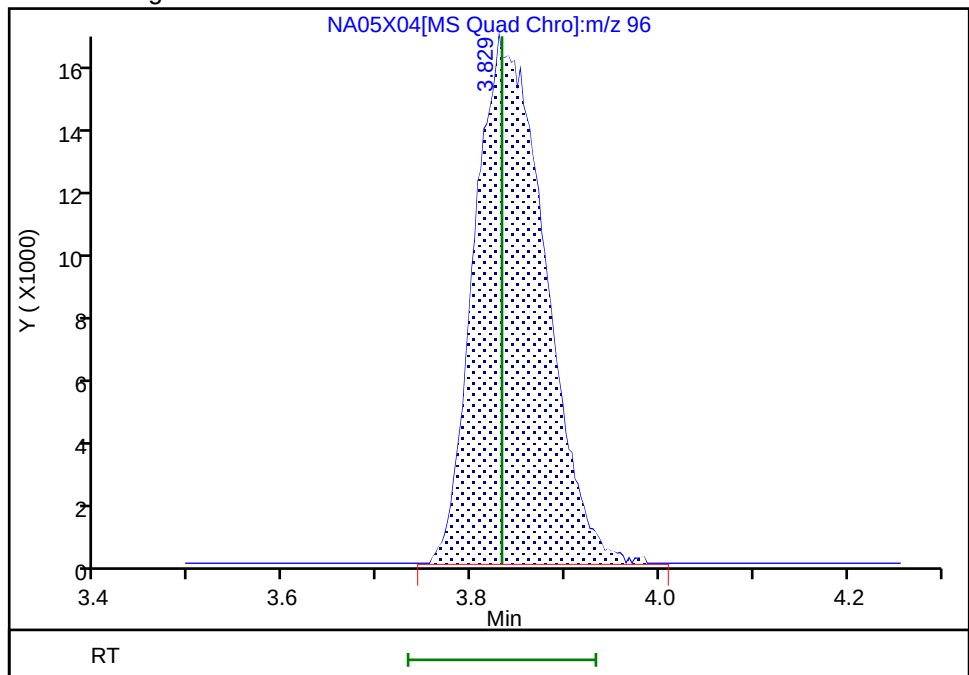
RT: 3.83
Area: 34891
Amount: 7.601949
Amount Units: ug/l

Processing Integration Results



RT: 3.83
Area: 84983
Amount: 18.515848
Amount Units: ug/l

Manual Integration Results



Reviewer: TQ4J, 05-Apr-2025 10:25:33 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

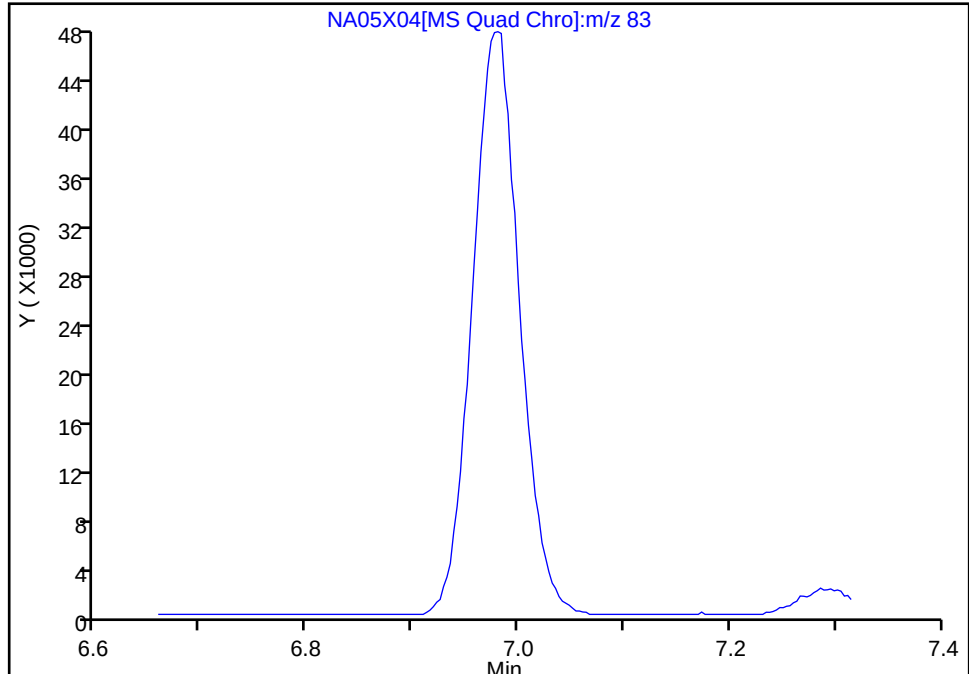
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X04.D
Injection Date: 05-Apr-2025 09:59:40 Instrument ID: 7159
Lims ID: LCSD
Client ID:
Operator ID: clm27445 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

50 Chloroform, CAS: 67-66-3

Signal: 1

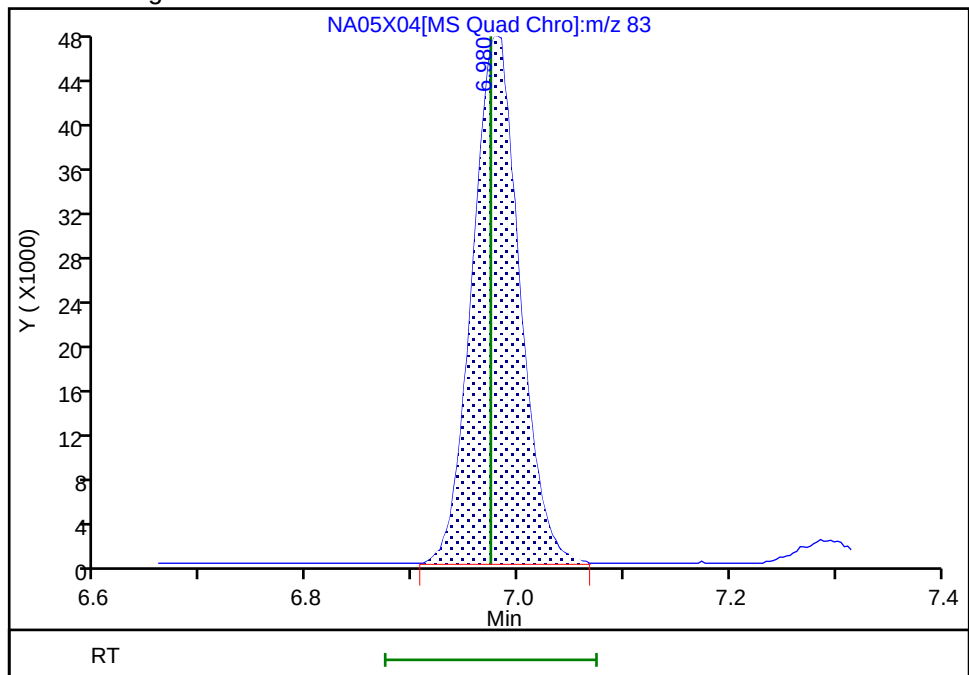
Not Detected
Expected RT: 6.97

Processing Integration Results



RT: 6.98
Area: 147066
Amount: 19.312574
Amount Units: ug/l

Manual Integration Results



Reviewer: TQ4J, 05-Apr-2025 10:26:14 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

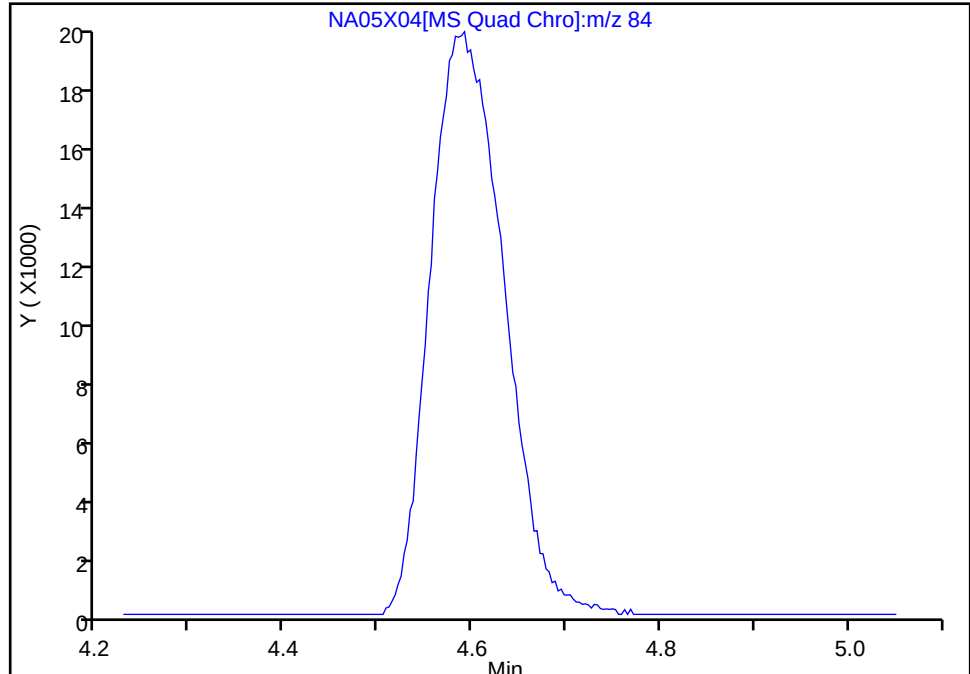
Data File: \\chromfs\Lancaster\ChromData\7159\20250405-143131.b\NA05X04.D
Injection Date: 05-Apr-2025 09:59:40 Instrument ID: 7159
Lims ID: LCSD
Client ID:
Operator ID: clm27445 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

28 Methylene Chloride, CAS: 75-09-2

Signal: 1

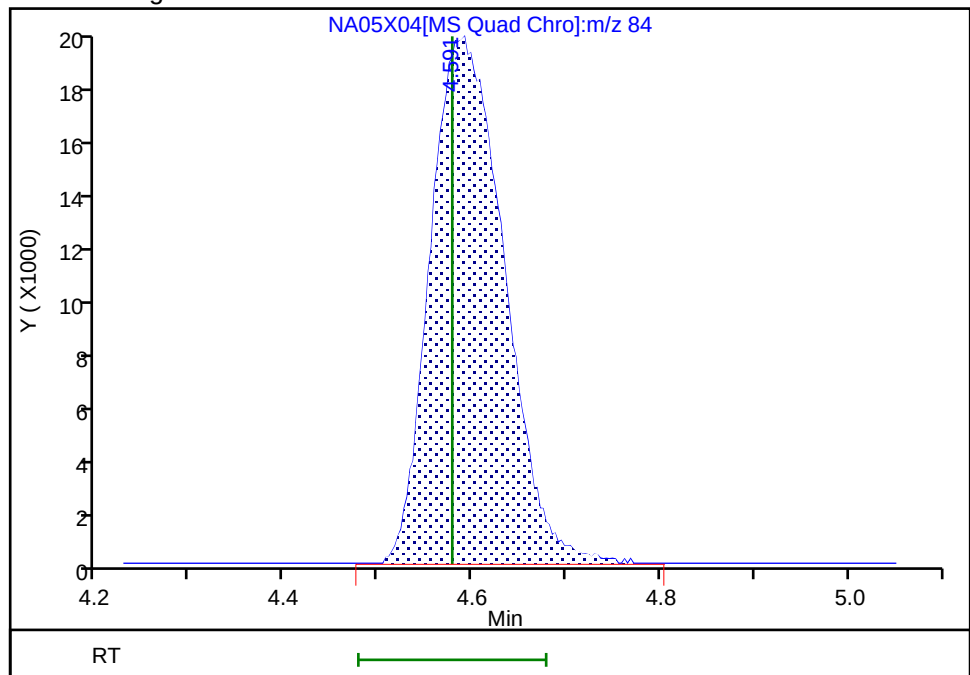
Not Detected
Expected RT: 4.58

Processing Integration Results



RT: 4.59
Area: 106373
Amount: 19.829413
Amount Units: ug/l

Manual Integration Results



Reviewer: TQ4J, 05-Apr-2025 10:25:51 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-214589-1

SDG No.:

Instrument ID: 7159

Start Date: 03/31/2025 14:06

Analysis Batch Number: 624120

End Date: 03/31/2025 19:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-624120/1		03/31/2025 14:06	1	NM31T01.D	R-624Si1MS 30m 0.25 (mm)
IC 410-624120/12		03/31/2025 14:42	1	NM31X12.D	R-624Si1MS 30m 0.25 (mm)
IC 410-624120/13		03/31/2025 15:02	1	NM31X13.D	R-624Si1MS 30m 0.25 (mm)
IC 410-624120/14		03/31/2025 15:23	1	NM31X14.D	R-624Si1MS 30m 0.25 (mm)
IC 410-624120/15		03/31/2025 15:43	1	NM31X15.D	R-624Si1MS 30m 0.25 (mm)
ICIS 410-624120/16		03/31/2025 16:03	1	NM31X16.D	R-624Si1MS 30m 0.25 (mm)
IC 410-624120/17		03/31/2025 16:24	1	NM31X17.D	R-624Si1MS 30m 0.25 (mm)
IC 410-624120/18		03/31/2025 16:43	1	NM31X18.D	R-624Si1MS 30m 0.25 (mm)
ICV 410-624120/20		03/31/2025 17:24	1	NM31X20.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ (QC)		03/31/2025 18:05	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (QC)		03/31/2025 18:25	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (QC)		03/31/2025 18:25	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (QC)		03/31/2025 18:45	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (QC)		03/31/2025 18:45	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (QC)		03/31/2025 19:06	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (QC)		03/31/2025 19:06	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (QC)		03/31/2025 19:26	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (QC)		03/31/2025 19:26	1		R-624Si1MS 30m 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-214589-1

SDG No.:

Instrument ID: 7159

Start Date: 04/05/2025 08:18

Analysis Batch Number: 626753

End Date: 04/05/2025 17:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-626753/1		04/05/2025 08:18	1	NA05T01.D	R-624Si1MS 30m 0.25 (mm)
CCVIS 410-626753/3		04/05/2025 09:19	1	NA05X02.D	R-624Si1MS 30m 0.25 (mm)
LCS 410-626753/4		04/05/2025 09:39	1	NA05X03.D	R-624Si1MS 30m 0.25 (mm)
LCSD 410-626753/5		04/05/2025 09:59	1	NA05X04.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ (QC)		04/05/2025 10:19	1		R-624Si1MS 30m 0.25 (mm)
MB 410-626753/7		04/05/2025 10:40	1	NA05X06.D	R-624Si1MS 30m 0.25 (mm)
410-214589-1	HD-MW-5-0/1-0	04/05/2025 11:01	1	NA05X07.D	R-624Si1MS 30m 0.25 (mm)
410-214589-2	HD-MW-6-0/1-0	04/05/2025 11:21	1	NA05X08.D	R-624Si1MS 30m 0.25 (mm)
410-214589-3	HD-MW-88-0/1-0	04/05/2025 11:42	1	NA05X09.D	R-624Si1MS 30m 0.25 (mm)
410-214589-4	HD-MW-101S-0/1-0	04/05/2025 12:02	1	NA05X10.D	R-624Si1MS 30m 0.25 (mm)
410-214589-5	HD-MW-101D-0/1-0	04/05/2025 12:22	1	NA05X11.D	R-624Si1MS 30m 0.25 (mm)
410-214589-6	HD-QC1-0/1-3	04/05/2025 12:42	1	NA05X12.D	R-624Si1MS 30m 0.25 (mm)
410-214589-7	HD-QC1-0/1-4	04/05/2025 13:02	1	NA05X13.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		04/05/2025 13:23	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		04/05/2025 13:43	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		04/05/2025 14:03	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		04/05/2025 14:23	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		04/05/2025 14:44	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		04/05/2025 15:04	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		04/05/2025 15:24	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		04/05/2025 15:44	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		04/05/2025 16:04	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		04/05/2025 16:24	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		04/05/2025 16:44	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		04/05/2025 17:04	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		04/05/2025 17:24	5		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		04/05/2025 17:44	50		R-624Si1MS 30m 0.25 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-214589-1

SDG No.: _____

Batch Number: 624120 Batch Start Date: 03/31/25 14:06 Batch Analyst: Sposito, Kevin ABatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	MSV_4ppbEtOH 00749	MSV_CCV_2CEVE 00221	MSV_CCV_CYC 00011
BFB 410-624120/1		8260D			1 uL	1 uL				
IC 410-624120/12		8260D			5 mL	5 mL	2788	12.5 mL		
IC 410-624120/13		8260D			5 mL	5 mL	2788		4 uL	32 uL
IC 410-624120/14		8260D			5 mL	5 mL	2788		2 uL	8 uL
IC 410-624120/15		8260D			5 mL	5 mL	2788		4 uL	16 uL
ICIS 410-624120/16		8260D			5 mL	5 mL	2788		5 uL	10 uL
IC 410-624120/17		8260D			5 mL	5 mL	2788		5 uL	10 uL
IC 410-624120/18		8260D			5 mL	5 mL	2788		15 uL	30 uL
ICV 410-624120/20		8260D			5 mL	5 mL	2788			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_ETOH 00009	MSV_CCV_GASES 00998	MSV_CCV_OH_Sp 00020	MSV_CCV_VOC#1 00229	MSV_CCV_VOC#3 00230	MSV_Cent_ISSS 00035
BFB 410-624120/1		8260D								
IC 410-624120/12		8260D								5 uL
IC 410-624120/13		8260D			20 uL	2 uL	4 uL	4 uL	3.2 uL	5 uL
IC 410-624120/14		8260D			8 uL	1 uL	2 uL	2 uL	1.6 uL	5 uL
IC 410-624120/15		8260D			16 uL	2 uL	4 uL	4 uL	3.2 uL	5 uL
ICIS 410-624120/16		8260D			10 uL	2.5 uL	5 uL	5 uL	4 uL	5 uL
IC 410-624120/17		8260D			10 uL	2.5 uL	5 uL	5 uL	4 uL	5 uL
IC 410-624120/18		8260D			30 uL	7.5 uL	15 uL	15 uL	12 uL	5 uL
ICV 410-624120/20		8260D								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.: 410-214589-1

SDG No.: _____

Batch Number: 624120Batch Start Date: 03/31/25 14:06Batch Analyst: Sposito, Kevin ABatch Method: 8260D

Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_2CEVE 00222	MSV_LCS_ACROL 00220	MSV_LCS_CYC 00011	MSV_LCS_ETOH 00010	MSV_LCS_OH_Sp 00026	MSV_LCS_VOC#1 00214
BFB 410-624120/1		8260D								
IC 410-624120/12		8260D								
IC 410-624120/13		8260D								
IC 410-624120/14		8260D								
IC 410-624120/15		8260D								
ICIS 410-624120/16		8260D								
IC 410-624120/17		8260D								
IC 410-624120/18		8260D								
ICV 410-624120/20		8260D			50 uL	50 uL	50 uL	50 uL	50 uL	50 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_QC_2K_GAS 00292	MSV_V_BFB 00018				
BFB 410-624120/1		8260D				1 uL				
IC 410-624120/12		8260D								
IC 410-624120/13		8260D								
IC 410-624120/14		8260D								
IC 410-624120/15		8260D								
ICIS 410-624120/16		8260D								
IC 410-624120/17		8260D								
IC 410-624120/18		8260D								
ICV 410-624120/20		8260D			1 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260D

Page 2 of 3

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-214589-1

SDG No.: _____

Batch Number: 624120 Batch Start Date: 03/31/25 14:06 Batch Analyst: Sposito, Kevin ABatch Method: 8260D Batch End Date: _____

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-214589-1

SDG No.: _____

Batch Number: 626753 Batch Start Date: 04/05/25 08:18 Batch Analyst: Mellinger, Corie MBatch 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 410-626753/1		8260D			1 uL	1 uL				
CCVIS 410-626753/3		8260D			5 mL	5 mL				2788
LCS 410-626753/4		8260D			5 mL	5 mL				2788
LCSD 410-626753/5		8260D			5 mL	5 mL				2788
MB 410-626753/7		8260D			5 mL	5 mL				2788
410-214589-A-1	HD-MW-5-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-214589-A-2	HD-MW-6-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-214589-A-3	HD-MW-88-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-214589-A-4	HD-MW-101S-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-214589-A-5	HD-MW-101D-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-214589-A-6	HD-QC1-0/1-3	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-214589-A-7	HD-QC1-0/1-4	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_2CEVE 00221	MSV_CCV_GASES 00997	MSV_CCV_VOC#1 00229	MSV_CCV_VOC#3 00230	MSV_Cent_ISSS 00035	MSV_LCS_2CEVE 00222
BFB 410-626753/1		8260D								
CCVIS 410-626753/3		8260D			5 uL	2.5 uL	5 uL	4 uL	5 uL	
LCS 410-626753/4		8260D							5 uL	50 uL
LCSD 410-626753/5		8260D							5 uL	50 uL
MB 410-626753/7		8260D							5 uL	
410-214589-A-1	HD-MW-5-0/1-0	8260D	Water	T					5 uL	
410-214589-A-2	HD-MW-6-0/1-0	8260D	Water	T					5 uL	
410-214589-A-3	HD-MW-88-0/1-0	8260D	Water	T					5 uL	
410-214589-A-4	HD-MW-101S-0/1-0	8260D	Water	T					5 uL	
410-214589-A-5	HD-MW-101D-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 2

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-214589-1

SDG No.: _____

Batch Number: 626753 Batch Start Date: 04/05/25 08:18 Batch Analyst: Mellinger, Corie MBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_2CEVE 00221	MSV_CCV_GASES 00997	MSV_CCV_VOC#1 00229	MSV_CCV_VOC#3 00230	MSV_Cent_ISSS 00035	MSV_LCS_2CEVE 00222
410-214589-A-6	HD-QC1-0/1-3	8260D	Water	T					5 uL	
410-214589-A-7	HD-QC1-0/1-4	8260D	Water	T					5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_ACROL 00220	MSV_LCS_Gases 00244	MSV_LCS_VOC#1 00214	MSV_V_BFB 00018		
BFB 410-626753/1		8260D						1 uL		
CCVIS 410-626753/3		8260D								
LCS 410-626753/4		8260D			50 uL	50 uL	50 uL			
LCSD 410-626753/5		8260D			50 uL	50 uL	50 uL			
MB 410-626753/7		8260D								
410-214589-A-1	HD-MW-5-0/1-0	8260D	Water	T						
410-214589-A-2	HD-MW-6-0/1-0	8260D	Water	T						
410-214589-A-3	HD-MW-88-0/1-0	8260D	Water	T						
410-214589-A-4	HD-MW-101S-0/1-0	8260D	Water	T						
410-214589-A-5	HD-MW-101D-0/1-0	8260D	Water	T						
410-214589-A-6	HD-QC1-0/1-3	8260D	Water	T						
410-214589-A-7	HD-QC1-0/1-4	8260D	Water	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents



pg. 10f

Acct. # _____ Group # _____ Sample # _____



Environmental Analysis Request/Chain of Custody

Accd. #

Group #

Sample #

[illegible]

Eurofins Lancaster Laboratories Environmental, LLC • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300

7045 0216

Login Sample Receipt Checklist

Client: Groundwater Sciences Corporation

Job Number: 410-214589-1

Login Number: 214589

List Number: 1

Creator: McDonald, Teigan

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.	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	