eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Emily Wade
Hydro-Terra Group
1106 Business Parkway South
Suite E
Westminster MD 21157

Generated 03/25/2024

JOB DESCRIPTION

fyNOP Quarterly Event

JOB NUMBER

410-164755-1

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

See page two for job notes and contact information.

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

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

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

Authorization

Generated
03/25/2024

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Eurofins Lancaster Laboratories Environment Testing, LLC

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is 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.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

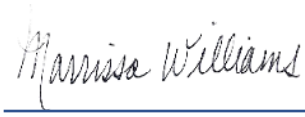


Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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
410-164755-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt
The samples were received on 3/20/2024 5:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.1°C.

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

Detection Summary

Client: Hydro-Terra Group
Job ID: 410-164755-1
Project/Site: fyNOP Quarterly Event

Client Sample ID: HD-CW-21-0/1-0 — Lab Sample ID: 410-164755-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.53	J	1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	110		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.68	J	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-CW-22-0/1-0 — Lab Sample ID: 410-164755-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.62	J	1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	51		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	1.0		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-CW-23-0/1-0 — Lab Sample ID: 410-164755-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.44	J	1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	30		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.42	J	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-SPBA-EFF-0/1-0 — Lab Sample ID: 410-164755-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.52	J	1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	83		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.81	J	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 410-164755-5

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: HD-CW-21-0/1-0
Lab Sample ID: 410-164755-1

Date Collected: 03/20/24 11:30
Matrix: Water

Date Received: 03/20/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/22/24 23:49	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/22/24 23:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/22/24 23:49	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/22/24 23:49	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/22/24 23:49	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/22/24 23:49	1
Ethylene Dibromide	ND		1.0	0.20	ug/L			03/22/24 23:49	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/22/24 23:49	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/22/24 23:49	1
2-Butanone (MEK)	ND		10	0.50	ug/L			03/22/24 23:49	1
2-Hexanone	ND		10	0.85	ug/L			03/22/24 23:49	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			03/22/24 23:49	1
Acetone	ND		20	0.70	ug/L			03/22/24 23:49	1
Benzene	ND		1.0	0.30	ug/L			03/22/24 23:49	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/22/24 23:49	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/22/24 23:49	1
Bromoform	ND		4.0	1.0	ug/L			03/22/24 23:49	1
Bromomethane	ND		1.0	0.30	ug/L			03/22/24 23:49	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/22/24 23:49	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/22/24 23:49	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/22/24 23:49	1
Chloroethane	ND		1.0	0.30	ug/L			03/22/24 23:49	1
Chloroform	**0.53**	**J**	1.0	0.30	ug/L			03/22/24 23:49	1
Chloromethane	ND		2.0	0.55	ug/L			03/22/24 23:49	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/22/24 23:49	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/22/24 23:49	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/22/24 23:49	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/22/24 23:49	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			03/22/24 23:49	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/22/24 23:49	1
Styrene	ND		5.0	0.30	ug/L			03/22/24 23:49	1
Tetrachloroethene	**110**		1.0	0.30	ug/L			03/22/24 23:49	1
Toluene	ND		1.0	0.30	ug/L			03/22/24 23:49	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/22/24 23:49	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/22/24 23:49	1
Trichloroethene	**0.68**	**J**	1.0	0.30	ug/L			03/22/24 23:49	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/22/24 23:49	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/22/24 23:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*03/22/24 23:49*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*03/22/24 23:49*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*03/22/24 23:49*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/22/24 23:49*	*1*

Client Sample ID: HD-CW-22-0/1-0
Lab Sample ID: 410-164755-2

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/23/24 00:09	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/23/24 00:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/23/24 00:09	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/23/24 00:09	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/23/24 00:09	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/23/24 00:09	1
Ethylene Dibromide	ND		1.0	0.20	ug/L			03/23/24 00:09	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/23/24 00:09	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/23/24 00:09	1
2-Butanone (MEK)	ND		10	0.50	ug/L			03/23/24 00:09	1
2-Hexanone	ND		10	0.85	ug/L			03/23/24 00:09	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			03/23/24 00:09	1
Acetone	ND		20	0.70	ug/L			03/23/24 00:09	1
Benzene	ND		1.0	0.30	ug/L			03/23/24 00:09	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/23/24 00:09	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/23/24 00:09	1
Bromoform	ND		4.0	1.0	ug/L			03/23/24 00:09	1
Bromomethane	ND		1.0	0.30	ug/L			03/23/24 00:09	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/23/24 00:09	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/23/24 00:09	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/23/24 00:09	1
Chloroethane	ND		1.0	0.30	ug/L			03/23/24 00:09	1
Chloroform	**0.62**	**J**	1.0	0.30	ug/L			03/23/24 00:09	1
Chloromethane	ND		2.0	0.55	ug/L			03/23/24 00:09	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/23/24 00:09	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/23/24 00:09	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/23/24 00:09	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/23/24 00:09	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			03/23/24 00:09	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/23/24 00:09	1
Styrene	ND		5.0	0.30	ug/L			03/23/24 00:09	1
Tetrachloroethene	**51**		1.0	0.30	ug/L			03/23/24 00:09	1
Toluene	ND		1.0	0.30	ug/L			03/23/24 00:09	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/23/24 00:09	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/23/24 00:09	1
Trichloroethene	**1.0**		1.0	0.30	ug/L			03/23/24 00:09	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/23/24 00:09	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/23/24 00:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*03/23/24 00:09*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*03/23/24 00:09*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*03/23/24 00:09*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/23/24 00:09*	*1*

Client Sample ID: HD-CW-23-0/1-0
Lab Sample ID: 410-164755-3

Date Collected: 03/20/24 11:43
Matrix: Water
Date Received: 03/20/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/23/24 00:29	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/23/24 00:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/23/24 00:29	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/23/24 00:29	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/23/24 00:29	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/23/24 00:29	1
Ethylene Dibromide	ND		1.0	0.20	ug/L			03/23/24 00:29	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/23/24 00:29	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/23/24 00:29	1
2-Butanone (MEK)	ND		10	0.50	ug/L			03/23/24 00:29	1
2-Hexanone	ND		10	0.85	ug/L			03/23/24 00:29	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			03/23/24 00:29	1
Acetone	ND		20	0.70	ug/L			03/23/24 00:29	1
Benzene	ND		1.0	0.30	ug/L			03/23/24 00:29	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/23/24 00:29	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/23/24 00:29	1
Bromoform	ND		4.0	1.0	ug/L			03/23/24 00:29	1
Bromomethane	ND		1.0	0.30	ug/L			03/23/24 00:29	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/23/24 00:29	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/23/24 00:29	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/23/24 00:29	1
Chloroethane	ND		1.0	0.30	ug/L			03/23/24 00:29	1
Chloroform	**0.44**	**J**	1.0	0.30	ug/L			03/23/24 00:29	1
Chloromethane	ND		2.0	0.55	ug/L			03/23/24 00:29	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/23/24 00:29	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/23/24 00:29	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/23/24 00:29	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/23/24 00:29	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			03/23/24 00:29	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/23/24 00:29	1
Styrene	ND		5.0	0.30	ug/L			03/23/24 00:29	1
Tetrachloroethene	**30**		1.0	0.30	ug/L			03/23/24 00:29	1
Toluene	ND		1.0	0.30	ug/L			03/23/24 00:29	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/23/24 00:29	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/23/24 00:29	1
Trichloroethene	**0.42**	**J**	1.0	0.30	ug/L			03/23/24 00:29	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/23/24 00:29	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/23/24 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*03/23/24 00:29*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*03/23/24 00:29*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*03/23/24 00:29*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/23/24 00:29*	*1*

Client Sample ID: HD-SPBA-EFF-0/1-0
Lab Sample ID: 410-164755-4

Date Collected: 03/20/24 11:49
Matrix: Water
Date Received: 03/20/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/23/24 00:49	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/23/24 00:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/23/24 00:49	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/23/24 00:49	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/23/24 00:49	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/23/24 00:49	1
Ethylene Dibromide	ND		1.0	0.20	ug/L			03/23/24 00:49	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/23/24 00:49	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/23/24 00:49	1
2-Butanone (MEK)	ND		10	0.50	ug/L			03/23/24 00:49	1
2-Hexanone	ND		10	0.85	ug/L			03/23/24 00:49	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			03/23/24 00:49	1
Acetone	ND		20	0.70	ug/L			03/23/24 00:49	1
Benzene	ND		1.0	0.30	ug/L			03/23/24 00:49	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/23/24 00:49	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/23/24 00:49	1
Bromoform	ND		4.0	1.0	ug/L			03/23/24 00:49	1
Bromomethane	ND		1.0	0.30	ug/L			03/23/24 00:49	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/23/24 00:49	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/23/24 00:49	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/23/24 00:49	1
Chloroethane	ND		1.0	0.30	ug/L			03/23/24 00:49	1
Chloroform	**0.52**	**J**	1.0	0.30	ug/L			03/23/24 00:49	1
Chloromethane	ND		2.0	0.55	ug/L			03/23/24 00:49	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/23/24 00:49	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/23/24 00:49	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/23/24 00:49	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/23/24 00:49	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			03/23/24 00:49	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/23/24 00:49	1
Styrene	ND		5.0	0.30	ug/L			03/23/24 00:49	1
Tetrachloroethene	**83**		1.0	0.30	ug/L			03/23/24 00:49	1
Toluene	ND		1.0	0.30	ug/L			03/23/24 00:49	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/23/24 00:49	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/23/24 00:49	1
Trichloroethene	**0.81**	**J**	1.0	0.30	ug/L			03/23/24 00:49	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/23/24 00:49	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/23/24 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*03/23/24 00:49*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*03/23/24 00:49*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*03/23/24 00:49*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/23/24 00:49*	*1*

Client Sample ID: Trip Blank
Lab Sample ID: 410-164755-5

Date Collected: 03/20/24 00:00
Matrix: Water
Date Received: 03/20/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/22/24 22:10	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/22/24 22:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/22/24 22:10	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/22/24 22:10	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/22/24 22:10	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/22/24 22:10	1
Ethylene Dibromide	ND		1.0	0.20	ug/L			03/22/24 22:10	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/22/24 22:10	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/22/24 22:10	1
2-Butanone (MEK)	ND		10	0.50	ug/L			03/22/24 22:10	1
2-Hexanone	ND		10	0.85	ug/L			03/22/24 22:10	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			03/22/24 22:10	1
Acetone	ND		20	0.70	ug/L			03/22/24 22:10	1
Benzene	ND		1.0	0.30	ug/L			03/22/24 22:10	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/22/24 22:10	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/22/24 22:10	1
Bromoform	ND		4.0	1.0	ug/L			03/22/24 22:10	1
Bromomethane	ND		1.0	0.30	ug/L			03/22/24 22:10	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/22/24 22:10	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/22/24 22:10	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/22/24 22:10	1
Chloroethane	ND		1.0	0.30	ug/L			03/22/24 22:10	1
Chloroform	ND		1.0	0.30	ug/L			03/22/24 22:10	1
Chloromethane	ND		2.0	0.55	ug/L			03/22/24 22:10	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/22/24 22:10	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/22/24 22:10	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/22/24 22:10	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/22/24 22:10	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			03/22/24 22:10	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/22/24 22:10	1
Styrene	ND		5.0	0.30	ug/L			03/22/24 22:10	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/22/24 22:10	1
Toluene	ND		1.0	0.30	ug/L			03/22/24 22:10	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/22/24 22:10	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/22/24 22:10	1
Trichloroethene	ND		1.0	0.30	ug/L			03/22/24 22:10	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/22/24 22:10	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/22/24 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*03/22/24 22:10*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*03/22/24 22:10*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*03/22/24 22:10*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/22/24 22:10*	*1*

Default Detection Limits

Client: Hydro-Terra Group
Job ID: 410-164755-1
Project/Site: fyNOP Quarterly Event

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

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

Surrogate Summary

Client: Hydro-Terra Group
Job ID: 410-164755-1
Project/Site: fyNOP Quarterly Event

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
410-164755-1	HD-CW-21-0/1-0	98	99	99	100
410-164755-2	HD-CW-22-0/1-0	98	99	99	101
410-164755-3	HD-CW-23-0/1-0	97	96	97	100
410-164755-4	HD-SPBA-EFF-0/1-0	98	99	99	100
410-164755-5	Trip Blank	96	99	98	100
LCS 410-486390/4	Lab Control Sample	99	99	99	100
LCSD 410-486390/5	Lab Control Sample Dup	99	99	99	100
MB 410-486390/7	Method Blank	98	98	99	100

Surrogate Legend

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

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

Lab Sample ID: MB 410-486390/7
Matrix: Water
Analysis Batch: 486390

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			03/22/24 21:50	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/22/24 21:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/22/24 21:50	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/22/24 21:50	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/22/24 21:50	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/22/24 21:50	1
Ethylene Dibromide	ND		1.0	0.20	ug/L			03/22/24 21:50	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/22/24 21:50	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/22/24 21:50	1
2-Butanone (MEK)	ND		10	0.50	ug/L			03/22/24 21:50	1
2-Hexanone	ND		10	0.85	ug/L			03/22/24 21:50	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			03/22/24 21:50	1
Acetone	ND		20	0.70	ug/L			03/22/24 21:50	1
Benzene	ND		1.0	0.30	ug/L			03/22/24 21:50	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/22/24 21:50	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/22/24 21:50	1
Bromoform	ND		4.0	1.0	ug/L			03/22/24 21:50	1
Bromomethane	ND		1.0	0.30	ug/L			03/22/24 21:50	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/22/24 21:50	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/22/24 21:50	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/22/24 21:50	1
Chloroethane	ND		1.0	0.30	ug/L			03/22/24 21:50	1
Chloroform	ND		1.0	0.30	ug/L			03/22/24 21:50	1
Chloromethane	ND		2.0	0.55	ug/L			03/22/24 21:50	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/22/24 21:50	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/22/24 21:50	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/22/24 21:50	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/22/24 21:50	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			03/22/24 21:50	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/22/24 21:50	1
Styrene	ND		5.0	0.30	ug/L			03/22/24 21:50	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/22/24 21:50	1
Toluene	ND		1.0	0.30	ug/L			03/22/24 21:50	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/22/24 21:50	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/22/24 21:50	1
Trichloroethene	ND		1.0	0.30	ug/L			03/22/24 21:50	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/22/24 21:50	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/22/24 21:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*03/22/24 21:50*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*03/22/24 21:50*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*03/22/24 21:50*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/22/24 21:50*	*1*

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

Lab Sample ID: LCS 410-486390/4
Matrix: Water
Analysis Batch: 486390

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	21.1		ug/L		105	78 - 120
1,1,1-Trichloroethane	20.0	21.2		ug/L		106	67 - 126
1,1,2,2-Tetrachloroethane	20.0	21.1		ug/L		106	72 - 120
1,1,2-Trichloroethane	20.0	20.8		ug/L		104	80 - 120
1,1-Dichloroethane	20.0	21.2		ug/L		106	80 - 120
1,1-Dichloroethene	20.0	21.1		ug/L		105	80 - 131
Ethylene Dibromide	20.0	20.5		ug/L		102	77 - 120
1,2-Dichloroethane	20.0	20.6		ug/L		103	73 - 124
1,2-Dichloropropane	20.0	21.3		ug/L		106	80 - 120
2-Butanone (MEK)	250	241		ug/L		96	59 - 135
2-Hexanone	250	253		ug/L		101	56 - 135
4-Methyl-2-pentanone (MIBK)	250	258		ug/L		103	62 - 133
Acetone	250	244		ug/L		98	54 - 157
Benzene	20.0	20.9		ug/L		104	80 - 120
Bromochloromethane	20.0	21.9		ug/L		109	80 - 120
Bromodichloromethane	20.0	20.7		ug/L		104	71 - 120
Bromoform	20.0	18.7		ug/L		93	51 - 120
Bromomethane	20.0	18.5		ug/L		93	53 - 128
Carbon disulfide	20.0	19.1		ug/L		96	65 - 128
Carbon tetrachloride	20.0	20.8		ug/L		104	64 - 134
Chlorobenzene	20.0	21.1		ug/L		105	80 - 120
Chloroethane	20.0	19.3		ug/L		97	55 - 123
Chloroform	20.0	22.1		ug/L		111	80 - 120
Chloromethane	20.0	17.1		ug/L		86	56 - 121
cis-1,2-Dichloroethene	20.0	21.0		ug/L		105	80 - 125
cis-1,3-Dichloropropene	20.0	19.6		ug/L		98	75 - 120
Dibromochloromethane	20.0	20.5		ug/L		103	71 - 120
Ethylbenzene	20.0	20.9		ug/L		105	80 - 120
Methyl tert-butyl ether	20.0	20.3		ug/L		101	69 - 122
Methylene Chloride	20.0	20.5		ug/L		102	80 - 120
Styrene	20.0	20.8		ug/L		104	80 - 120
Tetrachloroethene	20.0	20.7		ug/L		104	80 - 120
Toluene	20.0	20.8		ug/L		104	80 - 120
trans-1,2-Dichloroethene	20.0	20.8		ug/L		104	80 - 126
trans-1,3-Dichloropropene	20.0	20.5		ug/L		103	67 - 120
Trichloroethene	20.0	20.5		ug/L		103	80 - 120
Vinyl chloride	20.0	17.9		ug/L		89	56 - 120
Xylenes, Total	60.0	62.0		ug/L		103	80 - 120

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

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

Lab Sample ID: LCSD 410-486390/5
Matrix: Water
Analysis Batch: 486390

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	19.3		ug/L		96	78 - 120	9	30
1,1,1-Trichloroethane			20.0	19.4		ug/L		97	67 - 126	9	30
1,1,2,2-Tetrachloroethane			20.0	19.3		ug/L		97	72 - 120	9	30
1,1,2-Trichloroethane			20.0	19.8		ug/L		99	80 - 120	5	30
1,1-Dichloroethane			20.0	19.4		ug/L		97	80 - 120	9	30
1,1-Dichloroethene			20.0	19.5		ug/L		98	80 - 131	8	30
Ethylene Dibromide			20.0	19.1		ug/L		96	77 - 120	7	30
1,2-Dichloroethane			20.0	19.0		ug/L		95	73 - 124	8	30
1,2-Dichloropropane			20.0	19.7		ug/L		99	80 - 120	8	30
2-Butanone (MEK)			250	227		ug/L		91	59 - 135	6	30
2-Hexanone			250	236		ug/L		94	56 - 135	7	30
4-Methyl-2-pentanone (MIBK)			250	240		ug/L		96	62 - 133	7	30
Acetone			250	221		ug/L		88	54 - 157	10	30
Benzene			20.0	19.5		ug/L		98	80 - 120	7	30
Bromochloromethane			20.0	20.4		ug/L		102	80 - 120	7	30
Bromodichloromethane			20.0	19.3		ug/L		96	71 - 120	7	30
Bromoform			20.0	17.6		ug/L		88	51 - 120	6	30
Bromomethane			20.0	17.6		ug/L		88	53 - 128	5	30
Carbon disulfide			20.0	17.8		ug/L		89	65 - 128	7	30
Carbon tetrachloride			20.0	19.1		ug/L		95	64 - 134	8	30
Chlorobenzene			20.0	19.7		ug/L		98	80 - 120	7	30
Chloroethane			20.0	17.9		ug/L		90	55 - 123	8	30
Chloroform			20.0	20.5		ug/L		102	80 - 120	8	30
Chloromethane			20.0	17.9		ug/L		89	56 - 121	4	30
cis-1,2-Dichloroethene			20.0	19.5		ug/L		97	80 - 125	7	30
cis-1,3-Dichloropropene			20.0	18.2		ug/L		91	75 - 120	7	30
Dibromochloromethane			20.0	18.8		ug/L		94	71 - 120	9	30
Ethylbenzene			20.0	19.3		ug/L		96	80 - 120	8	30
Methyl tert-butyl ether			20.0	18.9		ug/L		94	69 - 122	7	30
Methylene Chloride			20.0	19.5		ug/L		98	80 - 120	5	30
Styrene			20.0	19.4		ug/L		97	80 - 120	7	30
Tetrachloroethene			20.0	19.2		ug/L		96	80 - 120	7	30
Toluene			20.0	19.6		ug/L		98	80 - 120	6	30
trans-1,2-Dichloroethene			20.0	19.1		ug/L		95	80 - 126	9	30
trans-1,3-Dichloropropene			20.0	18.9		ug/L		94	67 - 120	8	30
Trichloroethene			20.0	19.1		ug/L		95	80 - 120	7	30
Vinyl chloride			20.0	16.3		ug/L		82	56 - 120	9	30
Xylenes, Total			60.0	58.7		ug/L		98	80 - 120	5	30

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

QC Association Summary

Client: Hydro-Terra Group
Job ID: 410-164755-1
Project/Site: fyNOP Quarterly Event

GC/MS VOA

Analysis Batch: 486390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164755-1	HD-CW-21-0/1-0	Total/NA	Water	8260D	
410-164755-2	HD-CW-22-0/1-0	Total/NA	Water	8260D	
410-164755-3	HD-CW-23-0/1-0	Total/NA	Water	8260D	
410-164755-4	HD-SPBA-EFF-0/1-0	Total/NA	Water	8260D	
410-164755-5	Trip Blank	Total/NA	Water	8260D	
MB 410-486390/7	Method Blank	Total/NA	Water	8260D	
LCS 410-486390/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-486390/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Lab Chronicle

Client: Hydro-Terra Group
Job ID: 410-164755-1
Project/Site: fyNOP Quarterly Event

Client Sample ID: HD-CW-21-0/1-0
Lab Sample ID: 410-164755-1
Date Collected: 03/20/24 11:30
Matrix: Water
Date Received: 03/20/24 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	486390	K4WN	ELLE	03/22/24 23:49

Client Sample ID: HD-CW-22-0/1-0
Lab Sample ID: 410-164755-2
Date Collected: 03/20/24 11:37
Matrix: Water
Date Received: 03/20/24 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	486390	K4WN	ELLE	03/23/24 00:09

Client Sample ID: HD-CW-23-0/1-0
Lab Sample ID: 410-164755-3
Date Collected: 03/20/24 11:43
Matrix: Water
Date Received: 03/20/24 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	486390	K4WN	ELLE	03/23/24 00:29

Client Sample ID: HD-SPBA-EFF-0/1-0
Lab Sample ID: 410-164755-4
Date Collected: 03/20/24 11:49
Matrix: Water
Date Received: 03/20/24 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	486390	K4WN	ELLE	03/23/24 00:49

Client Sample ID: Trip Blank
Lab Sample ID: 410-164755-5
Date Collected: 03/20/24 00:00
Matrix: Water
Date Received: 03/20/24 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	486390	K4WN	ELLE	03/22/24 22:10

Laboratory References:

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

Accreditation/Certification Summary

Client: Hydro-Terra Group
Job ID: 410-164755-1
Project/Site: fyNOP Quarterly Event

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	36-00037	01-28-25

Method Summary

Client: Hydro-Terra Group
Job ID: 410-164755-1
Project/Site: fyNOP Quarterly Event

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: Hydro-Terra Group
Job ID: 410-164755-1
Project/Site: fyNOP Quarterly Event

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-164755-1	HD-CW-21-0/1-0	Water	03/20/24 11:30	03/20/24 17:10
410-164755-2	HD-CW-22-0/1-0	Water	03/20/24 11:37	03/20/24 17:10
410-164755-3	HD-CW-23-0/1-0	Water	03/20/24 11:43	03/20/24 17:10
410-164755-4	HD-SPBA-EFF-0/1-0	Water	03/20/24 11:49	03/20/24 17:10
410-164755-5	Trip Blank	Water	03/20/24 00:00	03/20/24 17:10

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Instrument ID: 15648 Analysis Batch Number: 484275

Lab Sample ID: IC 410-484275/3 Client Sample ID:

Date Analyzed: 03/18/24 12:16 Lab File ID: EN18X03.D GC Column: DB-624 20m ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorodifluoromethane	1.11	Incomplete Integration	K4WN	03/18/24 16:41
Acetonitrile	2.15	Incomplete Integration	K4WN	03/18/24 16:46

Lab Sample ID: IC 410-484275/4 Client Sample ID:

Date Analyzed: 03/18/24 12:36 Lab File ID: EN18X04.D GC Column: DB-624 20m ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	2.13	Incomplete Integration	K4WN	03/18/24 16:42

Lab Sample ID: IC 410-484275/5 Client Sample ID:

Date Analyzed: 03/18/24 12:56 Lab File ID: EN18X05.D GC Column: DB-624 20m ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	1.69	Incomplete Integration	K4WN	03/18/24 16:43
Acetonitrile	2.13	Incomplete Integration	K4WN	03/18/24 16:43

Lab Sample ID: IC 410-484275/6 Client Sample ID:

Date Analyzed: 03/18/24 13:16 Lab File ID: EN18X06.D GC Column: DB-624 20m ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	1.70	Incomplete Integration	K4WN	03/18/24 16:40
Acetonitrile	2.14	Incomplete Integration	K4WN	03/18/24 16:40

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Instrument ID: 15648 Analysis Batch Number: 484275

Lab Sample ID: IC 410-484275/8 Client Sample ID:

Date Analyzed: 03/18/24 13:56 Lab File ID: EN18X08.D GC Column: DB-624 20m ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	1.70	Incomplete Integration	K4WN	03/18/24 16:44
Acetonitrile	2.14	Incomplete Integration	K4WN	03/18/24 16:44

Lab Sample ID: IC 410-484275/12 Client Sample ID:

Date Analyzed: 03/18/24 15:16 Lab File ID: EN18X12.D GC Column: DB-624 20m ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	1.26	Incomplete Integration	K4WN	03/18/24 17:53
2-Propanol	2.02	Incomplete Integration	K4WN	03/18/24 18:03
Methyl acetate	2.18	Incomplete Integration	K4WN	03/18/24 17:53
2-Butanone (MEK)	3.37	Incomplete Integration	K4WN	03/18/24 17:54
1,4-Dioxane	5.20	Incomplete Integration	K4WN	03/18/24 17:54
p-Isopropyltoluene	9.59	Incomplete Integration	K4WN	03/18/24 17:54

Lab Sample ID: IC 410-484275/13 Client Sample ID:

Date Analyzed: 03/18/24 15:36 Lab File ID: EN18X13.D GC Column: DB-624 20m ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.10	Incomplete Integration	K4WN	03/18/24 17:55
Chloromethane	1.21	Incomplete Integration	K4WN	03/18/24 17:55
1,3-Butadiene	1.26	Incomplete Integration	K4WN	03/18/24 17:55
Cyclohexane	3.90	Incomplete Integration	K4WN	03/18/24 17:56

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Instrument ID: 15648 Analysis Batch Number: 484275

Lab Sample ID: IC 410-484275/14 Client Sample ID:

Date Analyzed: 03/18/24 15:56 Lab File ID: EN18X14.D GC Column: DB-624 20m ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	1.26	Incomplete Integration	K4WN	03/18/24 17:57
1,4-Dioxane	5.20	Incomplete Integration	K4WN	03/18/24 17:57

Lab Sample ID: IC 410-484275/15 Client Sample ID:

Date Analyzed: 03/18/24 16:16 Lab File ID: EN18X15.D GC Column: DB-624 20m ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.21	Incomplete Integration	K4WN	03/18/24 17:58
Acetone	1.95	Incomplete Integration	K4WN	03/18/24 17:58

Lab Sample ID: ICIS 410-484275/16 Client Sample ID:

Date Analyzed: 03/18/24 16:36 Lab File ID: EN18X16.D GC Column: DB-624 20m ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.23	Incomplete Integration	K4WN	03/18/24 17:51
1,4-Dioxane	5.19	Incomplete Integration	K4WN	03/18/24 17:47

Lab Sample ID: IC 410-484275/17 Client Sample ID:

Date Analyzed: 03/18/24 16:56 Lab File ID: EN18X17.D GC Column: DB-624 20m ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.11	Incomplete Integration	K4WN	03/18/24 17:59
Chloromethane	1.23	Incomplete Integration	K4WN	03/18/24 17:59
Acetone	1.95	Incomplete Integration	K4WN	03/18/24 17:59

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Instrument ID: 15648 Analysis Batch Number: 484275

Lab Sample ID: IC 410-484275/18 Client Sample ID:

Date Analyzed: 03/18/24 17:16 Lab File ID: EN18X18.D GC Column: DB-624 20m ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.11	Incomplete Integration	K4WN	03/18/24 18:00
Chloromethane	1.22	Incomplete Integration	K4WN	03/18/24 18:00
1,4-Dioxane	5.20	Incomplete Integration	K4WN	03/18/24 18:01
2-Chlorotoluene	8.98	Incomplete Integration	K4WN	03/18/24 18:01

Lab Sample ID: ICV 410-484275/20 Client Sample ID:

Date Analyzed: 03/18/24 17:57 Lab File ID: EN18X20.D GC Column: DB-624 20m ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.10	Incomplete Integration	K4WN	03/18/24 18:22
Chloromethane	1.22	Incomplete Integration	K4WN	03/18/24 18:22
Acetone	1.94	Incomplete Integration	K4WN	03/18/24 18:23
2-Propanol	2.02	Incomplete Integration	K4WN	03/18/24 18:23
t-Butyl alcohol	2.34	Incomplete Integration	K4WN	03/18/24 18:23
Acrylonitrile	2.44	Incomplete Integration	K4WN	03/18/24 18:23
1,4-Dioxane	5.20	Incomplete Integration	K4WN	03/18/24 18:23

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Instrument ID: 15648 Analysis Batch Number: 486390

Lab Sample ID: CCVIS 410-486390/3 Client Sample ID:

Date Analyzed: 03/22/24 20:31 Lab File ID: EM22X32.D GC Column: DB-624 20m ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.10	Incomplete Integration	K4WN	03/22/24 21:10
Chloromethane	1.21	Incomplete Integration	K4WN	03/22/24 21:10
1,4-Dioxane	5.18	Incomplete Integration	K4WN	03/22/24 21:11

Lab Sample ID: LCS 410-486390/4 Client Sample ID:

Date Analyzed: 03/22/24 20:51 Lab File ID: EM22X33.D GC Column: DB-624 20m ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.21	Incomplete Integration	K4WN	03/22/24 21:19

Lab Sample ID: 410-164755-5 Client Sample ID: Trip Blank

Date Analyzed: 03/22/24 22:10 Lab File ID: EM22X37.D GC Column: DB-624 20m ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Butanone (MEK)		Invalid Compound ID	N9NA	03/25/24 09:40

Lab Sample ID: 410-164755-4 Client Sample ID: HD-SPBA-EFF-0/1-0

Date Analyzed: 03/23/24 00:49 Lab File ID: EM22X45.D GC Column: DB-624 20m ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone (MIBK)		Invalid Compound ID	N9NA	03/25/24 09:45

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_4ppbEE_00574	03/19/24	03/18/24	DI Water, Lot DI 24078	1000 mL	MSV_CCV_2CEVE_00167	4 uL	2-Chloroethyl vinyl ether	4 ug/L
					MSV_CCV_CYC_00008	32 uL	Cyclohexanone	199.994 ug/L
					MSV_CCV_EE_00006	4 uL	Ethyl ether	4.00055 ug/L
					MSV_CCV_GASES_00723	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_00009	4 uL	2-Ethylhexyl acrylate	3.9988 ug/L
							n-Butyl acrylate	4.00185 ug/L
							Ethyl acrylate	3.99968 ug/L
							Methyl acrylate	4.00056 ug/L
					MSV_CCV_VOC#1_00175	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-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
							Carbon tetrachloride	4 ug/L

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

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_00171	3.2 uL	Acrolein	39.9966 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_00167	04/16/24	03/17/24	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00171	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00171	04/30/26		Restek, Lot A0197472		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_CYC_00008	07/15/24	01/15/24	50/50 MeOH/Water, Lot EH471	200 mL	MSV_VCYC_STK_00011	8.605 mL	Cyclohexanone	6249.81 ug/mL
..MSV_VCYC_STK_00011	07/15/24	01/15/24	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00009	1.4526 g	Cyclohexanone	145260 ug/mL
...MSV_CYC_00009	06/30/27		Chem Service, Lot 14568900		(Purchased Reagent)		Cyclohexanone	1 g/g
.MSV_CCV_EE_00006	05/07/24	11/07/23	Methanol, Lot EG095	50 mL	MSV_EE_MISCSK_00013	1.579 mL	Ethyl ether	1000.14 ug/mL
..MSV_EE_MISCSK_00013	05/07/24	11/07/23	Methanol, Lot EG095	10 mL	MSV_EE_Neat_00010	0.3167 g	Ethyl ether	31670 ug/mL
...MSV_EE_Neat_00010	05/30/27		Chem Service, Lot 14084700		(Purchased Reagent)		Ethyl ether	1 g/g
.MSV_CCV_GASES_00723	03/25/24		Restek, Lot A0197586		(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MSV_CCV_OH_Sp_00009	04/02/24	03/04/24	Methanol, Lot EG095	10 mL	MSV_V_Acr_Std_00005	2 mL	2-Ethylhexyl acrylate	999.7 ug/mL
							n-Butyl acrylate	1000.46 ug/mL
							Ethyl acrylate	999.919 ug/mL
							Methyl acrylate	1000.14 ug/mL
..MSV_V_Acr_Std_00005	07/14/24	01/14/24	Methanol, Lot EH471	10 mL	MSV_MStk_2E6A_00003	0.769 mL	2-Ethylhexyl acrylate	4998.5 ug/mL
					MSV_MStk_BAcr_00004	0.881 mL	n-Butyl acrylate	5002.32 ug/mL
					MSV_MStk_EtAc_00003	0.991 mL	Ethyl acrylate	4999.6 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSV_MStk_MAcr_00003	0.79 mL	Methyl acrylate	5000.7 ug/mL
...MSV_MStk_2E6A_00003	07/21/24	01/14/24	Methanol, Lot EH471	10 mL	MSV_2Eth6Acry_00001	0.65 g	2-Ethylhexyl acrylate	65000 ug/mL
....MSV_2Eth6Acry_00001	02/28/28		Sigma Aldrich, Lot MKCN1302		(Purchased Reagent)		2-Ethylhexyl acrylate	1 g/g
...MSV_MStk_BAcr_00004	07/14/24	01/14/24	Methanol, Lot EH471	10 mL	MSV_nButylAcr_00005	0.5678 g	n-Butyl acrylate	56780 ug/mL
....MSV_nButylAcr_00005	01/31/26		Chem Service, Lot 14061100		(Purchased Reagent)		n-Butyl acrylate	1 g/g
...MSV_MStk_EtAc_00003	07/14/24	01/14/24	Methanol, Lot EH471	10 mL	MSV_EthylAcry_00003	0.5045 g	Ethyl acrylate	50450 ug/mL
....MSV_EthylAcry_00003	03/31/26		Chem Service, Lot 14239800		(Purchased Reagent)		Ethyl acrylate	1 g/g
...MSV_MStk_MAcr_00003	07/14/24	01/14/24	Methanol, Lot EH471	10 mL	MSV_MethylAcr_00003	0.633 g	Methyl acrylate	63300 ug/mL
....MSV_MethylAcr_00003	01/31/26		Chem Service, Lot 14104500		(Purchased Reagent)		Methyl acrylate	1 g/g
.MSV_CCV_VOC#1_00175	04/16/24	03/17/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00170	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-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
							Ethylene Dibromide	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

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_00167	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

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_00170	04/16/24		Restek, Lot A0197556		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-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
							Ethylene Dibromide	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

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_00167	04/30/26		Restek, Lot A0197578		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	5000 ug/mL
							1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,3-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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

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_00171	04/16/24	03/17/24	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00016	0.5 mL	Acrolein	12498.9 ug/mL
					MSV_V_Ketones_00178	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_00016	04/21/24	02/21/24	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00038	9.185 mL	Acrolein	124989 ug/mL
...MSV_VACR_STK_00038	04/21/24	02/21/24	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00032	1.4648 g	Acrolein	136080 ug/mL
....MSV_ACROLEIN_00032	06/30/24		Chem Service, Lot 14703000		(Purchased Reagent)		Acrolein	0.929 g/g
..MSV_V_Ketones_00178	01/31/26		Restek, Lot A0193494		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_CCV_2CEVE_00167	04/16/24	03/17/24	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00171	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
.MSV_V_2CLEVE_00171	04/30/26		Restek, Lot A0197472		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
MSV_CCV_CYC_00008	07/15/24	01/15/24	50/50 MeOH/Water, Lot EH471	200 mL	MSV_VCYC_STK_00011	8.605 mL	Cyclohexanone	6249.81 ug/mL
.MSV_VCYC_STK_00011	07/15/24	01/15/24	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00009	1.4526 g	Cyclohexanone	145260 ug/mL
..MSV_CYC_00009	06/30/27		Chem Service, Lot 14568900		(Purchased Reagent)		Cyclohexanone	1 g/g
MSV_CCV_EE_00006	05/07/24	11/07/23	Methanol, Lot EG095	50 mL	MSV_EE_MISCSK_00013	1.579 mL	Ethyl ether	1000.14 ug/mL
.MSV_EE_MISCSK_00013	05/07/24	11/07/23	Methanol, Lot EG095	10 mL	MSV_EE_Neat_00010	0.3167 g	Ethyl ether	31670 ug/mL
..MSV_EE_Neat_00010	05/30/27		Chem Service, Lot 14084700		(Purchased Reagent)		Ethyl ether	1 g/g
MSV_CCV_ETOH_00005	03/26/24	09/26/23	Methanol, Lot EG095	200 mL	MSV_VETOH_STK_00014	6.3 mL	Ethanol	12499.2 ug/mL
.MSV_VETOH_STK_00014	03/26/24	09/26/23	Methanol, Lot EG095	10 mL	MSV_EtOH_00047	3.968 g	Ethanol	396800 ug/mL
..MSV_EtOH_00047	04/30/28		Chem Service, Lot 14757000		(Purchased Reagent)		Ethanol	1 g/g
MSV_CCV_GASES_00723	03/25/24		Restek, Lot A0197586		(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_CCV_LKB_00009	06/19/24	12/21/23	Methanol, Lot EG095	50 mL	MSV_V34D1B_SK_00012	0.541 mL	3,4-Dichloro-1-butene	1000.53 ug/mL
					MSV_Vc14d_STK_00010	0.81 mL	cis-1,4-Dichloro-2-butene	1000.35 ug/mL
.MSV_V34D1B_SK_00012	06/19/24	12/21/23	Methanol, Lot EG095	10 mL	MSV_3,4DC1Be_00003	0.9247 g	3,4-Dichloro-1-butene	92470 ug/mL
..MSV_3,4DC1Be_00003	08/22/27		TCI, Lot W3RMJ		(Purchased Reagent)		3,4-Dichloro-1-butene	1 g/g
.MSV_Vc14d_STK_00010	06/19/24	12/19/23	Methanol, Lot EG095	10 mL	MSV_c14dcb_Nt_00004	0.65 g	cis-1,4-Dichloro-2-butene	61750 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MSV_c14dcb_Nt_00004	08/16/27		Aldrich, Lot SHBH4584V		(Purchased Reagent)		cis-1,4-Dichloro-2-butene	0.95 g/g
MSV_CCV_OH_Sp_00009	04/02/24	03/04/24	Methanol, Lot EG095	10 mL	MSV_V_Acr_Std_00005	2 mL	2-Ethylhexyl acrylate	999.7 ug/mL
							n-Butyl acrylate	1000.46 ug/mL
							Ethyl acrylate	999.919 ug/mL
							Methyl acrylate	1000.14 ug/mL
.MSV_V_Acr_Std_00005	07/14/24	01/14/24	Methanol, Lot EH471	10 mL	MSV_MStk_2E6A_00003	0.769 mL	2-Ethylhexyl acrylate	4998.5 ug/mL
					MSV_MStk_BAcr_00004	0.881 mL	n-Butyl acrylate	5002.32 ug/mL
					MSV_MStk_EtAc_00003	0.991 mL	Ethyl acrylate	4999.6 ug/mL
					MSV_MStk_MAcr_00003	0.79 mL	Methyl acrylate	5000.7 ug/mL
..MSV_MStk_2E6A_00003	07/21/24	01/14/24	Methanol, Lot EH471	10 mL	MSV_2Eth6Acry_00001	0.65 g	2-Ethylhexyl acrylate	65000 ug/mL
...MSV_2Eth6Acry_00001	02/28/28		Sigma Aldrich, Lot MKCN1302		(Purchased Reagent)		2-Ethylhexyl acrylate	1 g/g
..MSV_MStk_BAcr_00004	07/14/24	01/14/24	Methanol, Lot EH471	10 mL	MSV_nButylAcr_00005	0.5678 g	n-Butyl acrylate	56780 ug/mL
...MSV_nButylAcr_00005	01/31/26		Chem Service, Lot 14061100		(Purchased Reagent)		n-Butyl acrylate	1 g/g
..MSV_MStk_EtAc_00003	07/14/24	01/14/24	Methanol, Lot EH471	10 mL	MSV_EthylAcry_00003	0.5045 g	Ethyl acrylate	50450 ug/mL
...MSV_EthylAcry_00003	03/31/26		Chem Service, Lot 14239800		(Purchased Reagent)		Ethyl acrylate	1 g/g
..MSV_MStk_MAcr_00003	07/14/24	01/14/24	Methanol, Lot EH471	10 mL	MSV_MethylAcr_00003	0.633 g	Methyl acrylate	63300 ug/mL
...MSV_MethylAcr_00003	01/31/26		Chem Service, Lot 14104500		(Purchased Reagent)		Methyl acrylate	1 g/g
MSV_CCV_Penta_00046	03/30/24	03/01/24	Methanol, Lot EH822	1 mL	MSV_V_PentaCL_00044	200 uL	Pentachloroethane	1000 ug/mL
.MSV_V_PentaCL_00044	03/30/24		Restek, Lot A0184174		(Purchased Reagent)		Pentachloroethane	5000 ug/mL
MSV_CCV_V5ACE_00034	04/09/24	03/10/24	Methanol, Lot EH471	10 mL	MSV_AcetatesV_00069	1 mL	Acetonitrile	5000 ug/mL
							Ethyl acetate	1000 ug/mL
							Isopropyl acetate	1000 ug/mL
							n-Butyl acetate	1000 ug/mL
							n-Propyl acetate	1000 ug/mL
							Vinyl acetate	1000 ug/mL
.MSV_AcetatesV_00069	11/30/24		Restek, Lot A0197847		(Purchased Reagent)		Acetonitrile	50000 ug/mL
							Ethyl acetate	10000 ug/mL
							Isopropyl acetate	10000 ug/mL
							n-Butyl acetate	10000 ug/mL
							n-Propyl acetate	10000 ug/mL
							Vinyl acetate	10000 ug/mL
MSV_CCV_VOC#1_00175	04/16/24	03/17/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00170	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-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloropropane	1000 ug/mL
							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
							Ethylene Dibromide	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00167	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00170	04/16/24		Restek, Lot A0197556		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Ethylene Dibromide	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_00167	04/30/26		Restek, Lot A0197578		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	5000 ug/mL
							1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,3-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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00171	04/16/24	03/17/24	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00016	0.5 mL	Acrolein	12498.9 ug/mL
					MSV_V_Ketones_00178	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_00016	04/21/24	02/21/24	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00038	9.185 mL	Acrolein	124989 ug/mL
..MSV_VACR_STK_00038	04/21/24	02/21/24	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00032	1.4648 g	Acrolein	136080 ug/mL
...MSV_ACROLEIN_00032	06/30/24	Chem Service, Lot 14703000			(Purchased Reagent)		Acrolein	0.929 g/g
.MSV_V_Ketones_00178	01/31/26	Restek, Lot A0193494			(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_Cent_ISO_00004	04/23/24	10/30/23	Methanol, Lot EG095	50 mL	MSV_Cus826_IS_00626	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5 (IS)	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
							t-Butyl alcohol-d10 (IS)	250 ug/mL
.MSV_Cus826_IS_00626	04/23/24	Restek, Lot A0197488			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_Cent_ISSS_00023	04/23/24	10/23/23	Methanol, Lot EG095	50 mL	MSV_8260_SS_01049	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_00626	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_01049	04/23/24		Restek, Lot A0201083		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
.MSV_Cus826_IS_00626	04/23/24		Restek, Lot A0197488		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_LCS_Gases_00189	03/24/24	03/17/24	Methanol, Lot EH471	25 mL	MSV_QC_2K_GAS_00206	0.5 mL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00206	03/24/24		Restek, Lot A0184924		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LCS_VOC#1_00158	04/16/24	03/17/24	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00191	1 mL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,2-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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylene Dibromide	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_00194	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00199	1 mL	2-Butanone (MEK)	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone (MIBK)	500 ug/mL
							Acetone	500 ug/mL
.MSV_M_MIX1SEC_00191	06/30/26		Restek, Lot A0198667		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Ethylene Dibromide	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00194	04/30/26		Restek, Lot A0197573		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00199	04/30/25		Restek, Lot A0194631		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	12500 ug/mL
MSV_V_BFB_00016							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							divinyl benzene	
							Tentatively Identified Compound	
							Total BTEX	
							Total Diethylbenzene	
							Xylenes, Total	
					MSV_VBFB_STK_00011	0.098 mL	BFB	50.129 ug/mL
.MSV_VBFB_STK_00011	06/05/24	12/05/23	Methanol, Lot EG095	10 mL	MSV_4BFB_NEAT_00009	1.2788 g	BFB	127880 ug/mL
..MSV_4BFB_NEAT_00009	05/31/25	Chem Service, Lot 13775500			(Purchased Reagent)		BFB	1 g/g
MSV_V_SMFreon_00036	04/11/24	Restek, Lot A0184508			(Purchased Reagent)		2-Chloro-1,1,1-Trifluoroethane	2000 ug/mL
							Chlorodifluoromethane	2000 ug/mL
							Chlorotrifluoroethene	2000 ug/mL

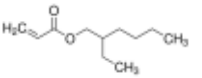
Reagent

MSV_2Eth6Acry_00001

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

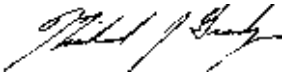
Certificate of Analysis

Product Name:
2-Ethylhexyl acrylate - 98%, contains ≥0.001-≤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)	≥ 97.5 %	99.6 %
Stabilizer Monomethyl Ether Hydroquinone (MEHQ)	0.001 - 0.110 %	0.002 %



Michael Grady, Manager
Quality Control
Milwaukee, WI US

Reagent

MSV_3,4DC1Be_00003

Certificate of Analysis

08/23/2022(JST)

TOKYO CHEMICAL INDUSTRY CO.,LTD.
4-10-1 Nihonbashi-Honcho, Chuo-ku, Tokyo 103-0023 Japan

Chemical Name: 3,4-Dichloro-1-butene		
Product Number: D1072 CAS RN: 760-23-6	Lot: W3RMJ	

Tests	Results	Specifications
Appearance	Colorless clear liquid	Colorless to Almost colorless clear liquid
Purity(GC)	99.6 %	min. 98.0 %

TCI Lot numbers are 4-5 characters in length. Characters listed after the first 4-5 characters are control numbers for internal purpose only.
The contents of the specifications are subject to change without advance notice. The specification values displayed here are the most up to date values. There may be cases where the product labels display a different specification, however, the product quality still meets the latest specification.

Customer Service:

TCI AMERICA
Tel: +1-800-423-8616 / +1-503-283-1681
Fax: +1-888-520-1075 / +1-503-283-1987
E-mail: Sales-US@TCIchemicals.com

Takuya Nishioka
Quality Assurance Department Manager

Reagent

MSV_c14dcb_Nt_00004

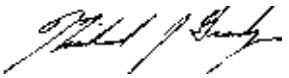
SIGMA-ALDRICH®
sigma-aldrich.com
3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

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

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

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



Michael Grady, Manager
Quality Control
Sheboygan Falls, WI US

Reagent

MSV_CCV_GASES_00723

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577488 **Lot No.:** A0197586

Description : Custom Gases Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,004.0 µg/mL	+/- 113.0947
2	Chloromethane (methyl chloride)	74-87-3	SHBM9611	99%	2,003.1 µg/mL	+/- 113.1749
3	Vinyl chloride	75-01-4	00015559	99%	2,001.3 µg/mL	+/- 112.7805
4	1,3-Butadiene	106-99-0	00015314	99%	2,002.1 µg/mL	+/- 112.9024
5	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,002.9 µg/mL	+/- 113.0693
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.9 µg/mL	+/- 112.6811
7	Dichlorofluoromethane (CFC-21)	75-43-4	14150400	90%	2,001.6 µg/mL	+/- 112.4412
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,020.0 µg/mL	+/- 113.4748
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4	Q9B-64	99%	1,998.5 µg/mL	+/- 112.6823

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

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

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

Quality Confirmation Test

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

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

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

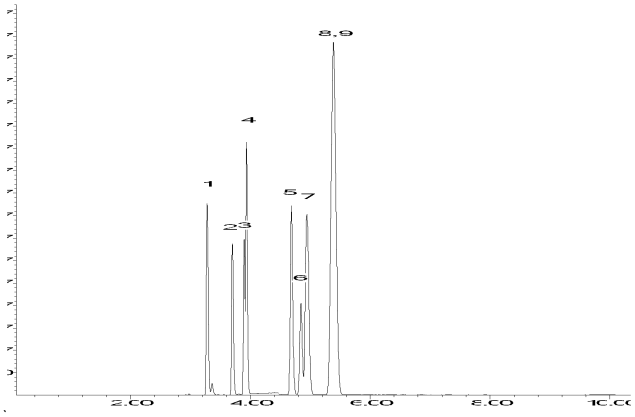
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



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

Brittany Federinko - Operations Tech I

Date Mixed: 01-May-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMIX#1_00170

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577486 **Lot No.:** A0197556

Description : Custom VOC MegaMix® #1 Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,1-dichloroethene	75-35-4	SHBL4758	99%	5,031.3 µg/mL	+/- 283.3780
2	Methylene chloride (dichloromethane)	75-09-2	SHBP1417	99%	5,034.6 µg/mL	+/- 283.5646
3	trans-1,2-Dichloroethene	156-60-5	MKBH9850V	99%	5,035.6 µg/mL	+/- 283.6244
4	1,1-Dichloroethane	75-34-3	760200	99%	5,025.8 µg/mL	+/- 283.0682
5	2,2-Dichloropropane	594-20-7	RD220812	99%	5,043.3 µg/mL	+/- 284.0782
6	cis-1,2-Dichloroethene	156-59-2	MKCP7830	99%	5,049.7 µg/mL	+/- 284.4387
7	chloroform	67-66-3	SHBN8469	99%	5,026.5 µg/mL	+/- 283.1105
8	Bromochloromethane	74-97-5	230206JLM	99%	5,043.8 µg/mL	+/- 284.1063
9	1,1,1-trichloroethane	71-55-6	RD230130RSR	99%	5,017.8 µg/mL	+/- 282.6176
10	1,1-Dichloropropene	563-58-6	230131JLM	99%	5,043.1 µg/mL	+/- 284.0669
11	carbon tetrachloride	56-23-5	SHBP4875	99%	5,031.8 µg/mL	+/- 283.4062
12	1,2-Dichloroethane	107-06-2	SHBQ0693	99%	5,041.9 µg/mL	+/- 283.9799
13	Benzene	71-43-2	SHBM3620	99%	5,044.9 µg/mL	+/- 284.1683
14	Trichloroethene	79-01-6	SHBN3720	99%	5,031.3 µg/mL	+/- 283.3780
15	1,2-Dichloropropane	78-87-5	BCBR0882V	99%	5,036.8 µg/mL	+/- 283.6878
16	bromodichloromethane	75-27-4	MKCF8470	99%	5,023.9 µg/mL	+/- 282.9661

17	Dibromomethane	74-95-3	10233302	99%	5,047.7	µg/mL	+/-	284.3260
18	cis-1,3-Dichloropropene	10061-01-5	RD221227RSRB	99%	5,027.8	µg/mL	+/-	283.1844
19	Toluene	108-88-3	ED097-US	99%	5,047.6	µg/mL	+/-	284.3204
20	trans-1,3-Dichloropropene	10061-02-6	RD220228A	98%	5,026.1	µg/mL	+/-	283.0852
21	1,1,2-Trichloroethane	79-00-5	FGB01	99%	5,037.6	µg/mL	+/-	283.7335
22	1,3-Dichloropropane	142-28-9	BCCH5357	99%	5,042.5	µg/mL	+/-	284.0331
23	Tetrachloroethene	127-18-4	SHBJ7422	99%	5,031.8	µg/mL	+/-	283.4097
24	dibromochloromethane	124-48-1	MKCM8659	99%	5,024.5	µg/mL	+/-	282.9978
25	1,2-Dibromoethane (EDB)	106-93-4	BCCH7113	99%	5,044.2	µg/mL	+/-	284.1289
26	Chlorobenzene	108-90-7	SHBN6640	99%	5,022.1	µg/mL	+/-	282.8605
27	1,1,1,2-Tetrachloroethane	630-20-6	GC01	99%	5,043.6	µg/mL	+/-	284.0951
28	Ethylbenzene	100-41-4	094632L21G	99%	5,045.6	µg/mL	+/-	284.2077
29	m-Xylene	108-38-3	Q13G020	99%	5,048.8	µg/mL	+/-	284.3880
30	p-Xylene	106-42-3	10234437	99%	5,045.7	µg/mL	+/-	284.2134
31	o-Xylene	95-47-6	SHBN5105	98%	5,038.2	µg/mL	+/-	283.7898
32	Styrene	100-42-5	MKCQ3390	99%	5,041.8	µg/mL	+/-	283.9937
33	Isopropylbenzene (cumene)	98-82-8	Z20D022	99%	5,047.5	µg/mL	+/-	284.3148
34	bromoform	75-25-2	MKCR0680	99%	5,030.8	µg/mL	+/-	283.3533
35	1,1,2,2-Tetrachloroethane	79-34-5	OXACF	99%	5,031.6	µg/mL	+/-	283.3956
36	1,2,3-Trichloropropane	96-18-4	332900	99%	5,044.1	µg/mL	+/-	284.1232
37	n-Propylbenzene	103-65-1	G08M	98%	5,049.5	µg/mL	+/-	284.4246
38	Bromobenzene	108-86-1	MKCQ7174	99%	5,044.6	µg/mL	+/-	284.1514
39	1,3,5-Trimethylbenzene	108-67-8	BCCF4166	99%	5,049.4	µg/mL	+/-	284.4218
40	2-Chlorotoluene	95-49-8	235783M23T	99%	5,044.5	µg/mL	+/-	284.1458
41	4-Chlorotoluene	106-43-4	BCCG9286	99%	5,045.5	µg/mL	+/-	284.2021
42	tert-Butylbenzene	98-06-6	STBJ1937	99%	5,047.9	µg/mL	+/-	284.3373
43	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	5,047.3	µg/mL	+/-	284.3035
44	sec-Butylbenzene	135-98-8	MKCP2266	99%	5,046.3	µg/mL	+/-	284.2472
45	p-Isopropyltoluene (p-Cymene)	99-87-6	MKCR6143	99%	5,045.8	µg/mL	+/-	284.2190
46	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	5,036.8	µg/mL	+/-	283.6878
47	1,4-Dichlorobenzene	106-46-7	MKBS4401V	99%	5,037.8	µg/mL	+/-	283.7476
48	n-Butylbenzene	104-51-8	09804AE	99%	5,049.1	µg/mL	+/-	284.4049
49	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	5,030.9	µg/mL	+/-	283.3604
50	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	5,047.8	µg/mL	+/-	284.3307
51	1,2,4-Trichlorobenzene	120-82-1	SHBM0526	99%	5,046.6	µg/mL	+/-	284.2641
52	Hexachlorobutadiene	87-68-3	X05J	99%	5,045.1	µg/mL	+/-	284.1796

53	Naphthalene	91-20-3	MKCH0219	99%	5,029.9	µg/mL	+/-	283.3234
54	1,2,3-Trichlorobenzene	87-61-6	MKBX7627V	99%	5,045.3	µg/mL	+/-	284.1908

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

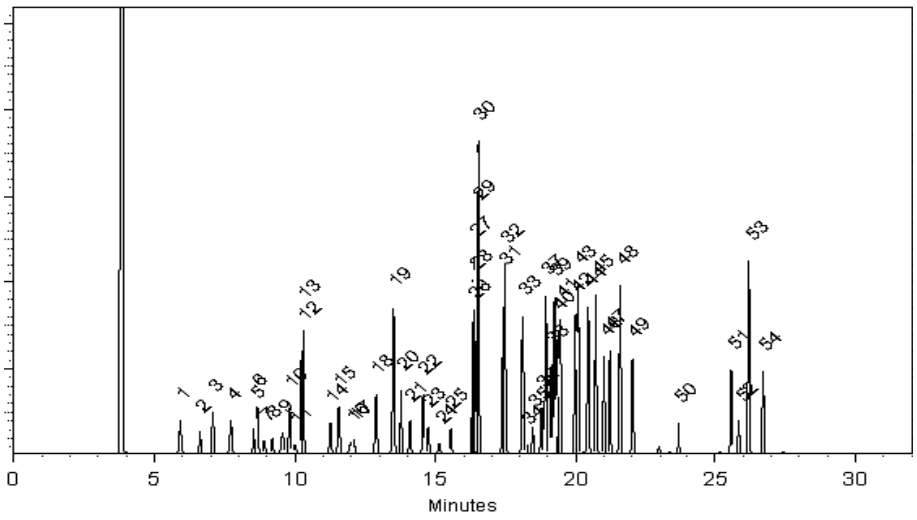
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



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

Nick Yaw - Operations Tech I

Date Mixed: 28-Apr-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 05-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMix#2_00167

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577487 **Lot No.:** A0197578

Description : Custom VOC MegaMix® #2 Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Pentane (C5)	109-66-0	SHBQ0917	99%	5,046.5 µg/mL	+/- 85.0489
2	2-Propanol (isopropanol)	67-63-0	SHBP6610	99%	25,172.0 µg/mL	+/- 411.6105
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	00018685	99%	5,025.7 µg/mL	+/- 84.6978
4	tert-Butanol (TBA)	75-65-0	101619K21F-1	99%	25,170.0 µg/mL	+/- 411.5778
5	Methyl acetate	79-20-9	SHBP3100	99%	5,020.2 µg/mL	+/- 84.6051
6	Iodomethane (methyl iodide)	74-88-4	MKCN8012	99%	5,022.3 µg/mL	+/- 84.6416
7	Allyl chloride (3-chloropropene)	107-05-1	RD221118RSR	99%	5,038.8 µg/mL	+/- 84.9197
8	Carbon disulfide	75-15-0	N28F701	99%	5,028.2 µg/mL	+/- 84.7399
9	Acrylonitrile	107-13-1	102466R02E	99%	12,532.0 µg/mL	+/- 204.9222
10	Methyl-tert-butyl ether (MTBE)	1634-04-4	SHBP0179	99%	5,044.2 µg/mL	+/- 85.0096
11	n-Hexane (C6)	110-54-3	STBG6381	99%	5,016.0 µg/mL	+/- 84.5349
12	Diisopropyl ether (DIPE)	108-20-3	STBK3450	99%	5,043.0 µg/mL	+/- 84.9899
13	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	S230420RSR	99%	5,037.3 µg/mL	+/- 84.8944
14	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCP5997	99%	5,034.8 µg/mL	+/- 84.8523
15	Propionitrile	107-12-0	BCCH7430	99%	25,000.0 µg/mL	+/- 408.7979
16	Methacrylonitrile	126-98-7	1012014	99%	12,520.0 µg/mL	+/- 204.7260

17	Isobutanol (2-Methyl-1-propanol)	78-83-1	SHBP7066	99%	62,545.0	µg/mL	+/-	1,022.7307
18	Tetrahydrofuran	109-99-9	SHBQ0910	99%	25,024.0	µg/mL	+/-	409.1904
19	Cyclohexane	110-82-7	MKCQ2001	99%	5,039.5	µg/mL	+/-	84.9309
20	1-Butanol	71-36-3	101601K21K	99%	62,664.0	µg/mL	+/-	1,024.6765
21	tert-Amyl methyl ether (TAME)	994-05-8	HMBJ0825	99%	5,021.8	µg/mL	+/-	84.6332
22	n-Heptane (C7)	142-82-5	044743N07T	99%	5,041.5	µg/mL	+/-	84.9646
23	tert-Amyl ethyl ether (TAEE)	919-94-8	IKVYB	97%	5,049.3	µg/mL	+/-	85.0967
24	Methylcyclohexane	108-87-2	SHBN1699	99%	5,028.0	µg/mL	+/-	84.7371
25	Methyl methacrylate	80-62-6	MKCQ2756	99%	5,012.3	µg/mL	+/-	84.4731
26	1,4-Dioxane	123-91-1	SHBN3770	99%	62,583.0	µg/mL	+/-	1,023.3520
27	2-Nitropropane	79-46-9	BCCB9352	97%	25,024.1	µg/mL	+/-	409.1914
28	Ethyl methacrylate	97-63-2	MKCN6206	97%	5,040.1	µg/mL	+/-	84.9414
29	1-Chlorohexane	544-10-5	BCBS3368V	99%	5,046.3	µg/mL	+/-	85.0461
30	trans-1,4-dichloro-2-butene	110-57-6	RD221227RSRA	94%	12,618.6	µg/mL	+/-	206.3376
31	1,2,3-Trimethylbenzene	526-73-8	8776.10-36	98%	5,002.6	µg/mL	+/-	84.3086
32	1,3-Diethylbenzene	141-93-5	BCBZ6270	99%	5,041.0	µg/mL	+/-	84.9562
33	Benzyl chloride	100-44-7	MKCM5986	99%	5,045.3	µg/mL	+/-	85.0292
34	1,4-Diethylbenzene	105-05-5	1135.72-1	99%	5,032.7	µg/mL	+/-	84.8158
35	1,2-Diethylbenzene	135-01-3	ECH2970181	99%	5,015.3	µg/mL	+/-	84.5236
36	1,3,5-Trichlorobenzene	108-70-3	11319AS	99%	5,003.8	µg/mL	+/-	84.3298
37	2-Methylnaphthalene	91-57-6	STBK0259	96%	5,002.4	µg/mL	+/-	84.3057

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

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

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 30 psi

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

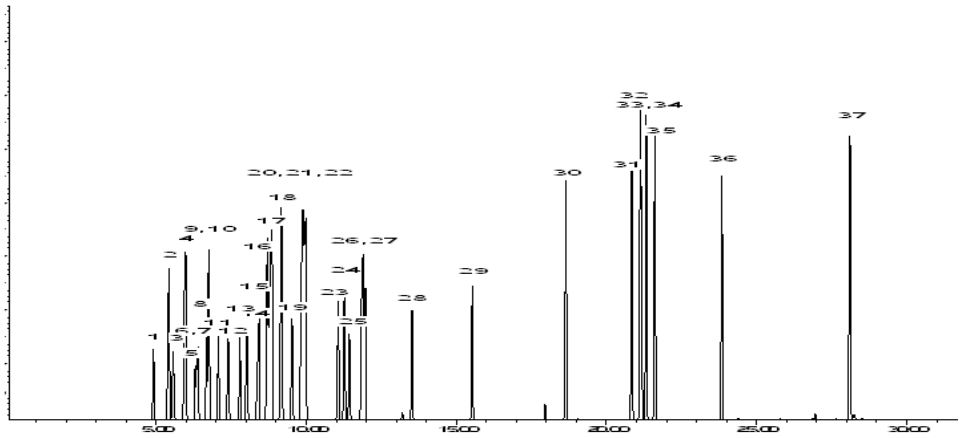
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
25.0 ml/min.

Inj. Vol
1µl



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

Sam Moodler - Operations Tech I

Date Mixed: 30-Apr-2023 **Balance Serial #** B251644995

Marlina Cowan -- Operations Tech II ARM QC

Date Passed: 02-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MethylAcr_00003

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

CERTIFICATE OF ANALYSIS

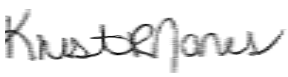
Methyl acrylate

CATALOG NUMBER	N-12413-1G
LOT NUMBER	14104500
DATE CERTIFIED	01/06/22
EXPIRATION DATE	01/31/26
CAS NUMBER	96-33-3
MOLECULAR FORMULA	C4H6O2
MOLECULAR WEIGHT	86.10
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

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

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

Certified By:



Kristin R Jones

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

PJLA Testing

PJLA Reference Material Producer

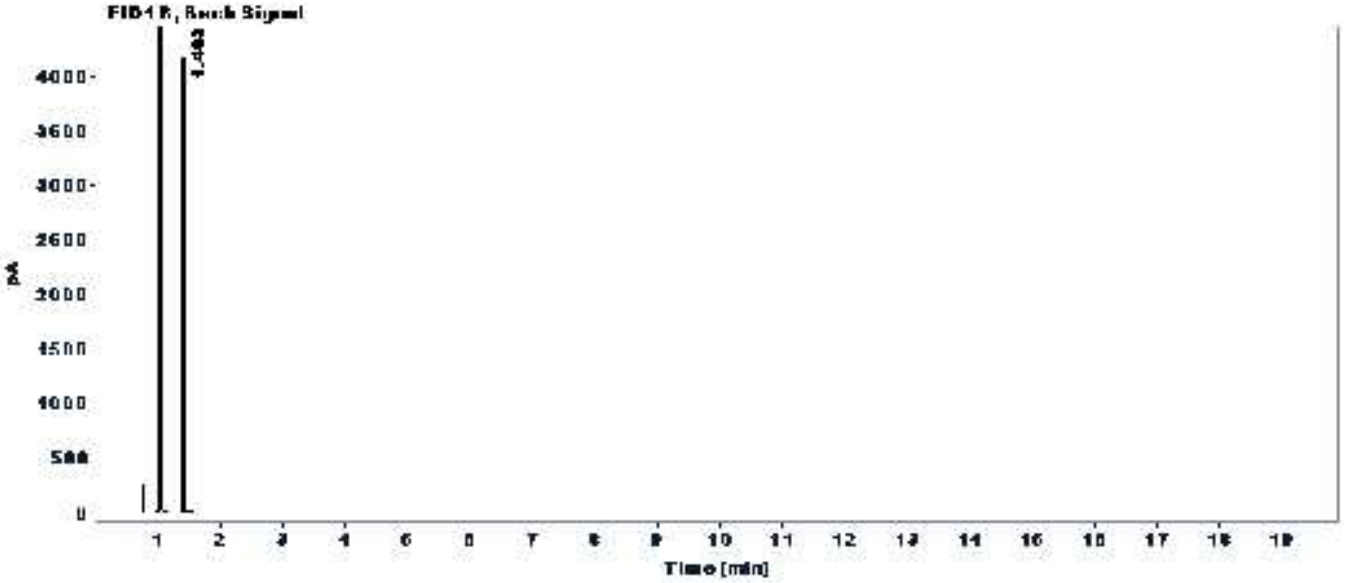
COA Form
Revision 3 (3/2015)

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

CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file:	C:\CHEM32\1\DATA\2022 DATA\0122\methyl acrylate.D		
Sample name:	Methyl acrylate		
Acq. method:	FRANNY-BACK.M		
Instrument:	GC3	**Location:**	201
Injection date:	1/6/2022 9:14:16 AM	**Injection Vol:**	1.000
Column name:	RTx-5MS (30m x 0.25mm x 0.5µm)	**# Of Injections:**	1



Signal: FID1 B, Back Signal

RT [min]	Type	Width [min]	Area	Height	Area%
1.403	BB S	0.0102	2527.1797	4118.3921	100.0000
		Sum	2527.1797		

Reagent

MSV_nButylAcr_00005

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

CERTIFICATE OF ANALYSIS

n-Butyl acrylate

CATALOG NUMBER	N-12513-1G
LOT NUMBER	14061100
DATE CERTIFIED	01/06/20
EXPIRATION DATE	01/31/26
CAS NUMBER	141-32-2
MOLECULAR FORMULA	C7H12O2
MOLECULAR WEIGHT	128.17
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
% PURITY (GC/FID)	99.5

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

Certified By:

Kristin R Jones

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

PJLA Testing

PJLA Reference Material Producer

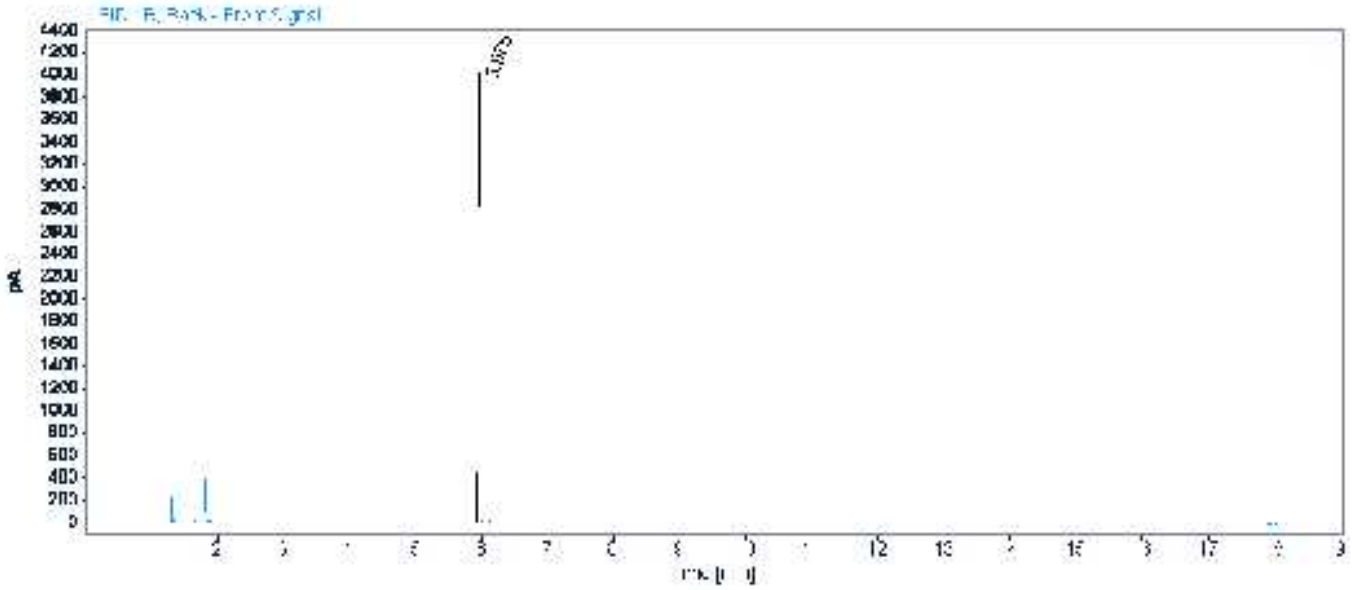
COA Form
Revision 3 (3/2015)

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

CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file:	C:\CHEM32\1\DATA\2020 DATA\0120\butyl acrylate.D		
Sample name:	Butyl acrylate		
Description:			
Acq. method:	S-10428M1.M		
		Location:	204
Instrument:	GC3	**Injection Vol:**	1.000
Injection date:	1/6/2020 9:50:14 AM	**# Of Injections:**	1
Column name:	HP-5ms Ultra Inert	**Diameter** 250.000 **Length** 30.000 **Particle Size** 0.250	



Signal: FID1 B, Back - Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
5.975	BV	0.0296	8741.1309	3980.0339	100.0000
		Sum	8741.1309		

Reagent

MSV_V_SMFreon_00036

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577490 **Lot No.:** A0184508

Description : Custom SM Freons Standard

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

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

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

Ship: Ambient

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

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Chlorotrifluoroethylene	2,000.6 µg/mL	+/- 37.3988 µg/mL	Gravimetric
	CAS # 79-38-9 (Lot 202600)		+/- 117.6695 µg/mL	Unstressed
	Purity 99%		+/- 120.1742 µg/mL	Stressed
2	Chlorodifluoromethane (CFC-22)	2,004.5 µg/mL	+/- 79.7514 µg/mL	Gravimetric
	CAS # 75-45-6 (Lot Q162-44)		+/- 137.3187 µg/mL	Unstressed
	Purity 99%		+/- 139.4793 µg/mL	Stressed
3	2-Chloro-1,1,1-trifluoroethane (HCFC-133a)	2,000.3 µg/mL	+/- 53.9352 µg/mL	Gravimetric
	CAS # 75-88-7 (Lot Q157-146)		+/- 123.9040 µg/mL	Unstressed
	Purity 99%		+/- 126.2843 µg/mL	Stressed

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

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

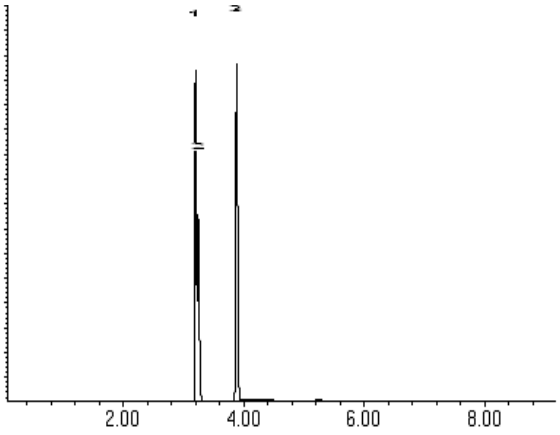
Carrier Gas:
helium-constant flow 2.0 mL/min.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Cathleen Soltis - Mix Technician

Date Mixed: 25-Apr-2022 **Balance:** B707717271

Christie Mills - Operations Technician II

Date Passed: 02-May-2022

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Method 8260D

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.: 410-164755-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 20m ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
HD-CW-21-0/1-0	410-164755-1	99	98	100	99
HD-CW-22-0/1-0	410-164755-2	99	98	101	99
HD-CW-23-0/1-0	410-164755-3	97	97	100	96
HD-SPBA-EFF-0/1-0	410-164755-4	99	98	100	99
Trip Blank	410-164755-5	98	96	100	99
	MB 410-486390/7	99	98	100	98
	LCS 410-486390/4	99	99	100	99
	LCSD 410-486390/5	99	99	100	99

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

Column to be used to flag recovery values

FORM II 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Matrix: Water Level: Low Lab File ID: EM22X33.D

Lab ID: LCS 410-486390/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	21.1	105	78-120	
1,1,1-Trichloroethane	20.0	21.2	106	67-126	
1,1,2,2-Tetrachloroethane	20.0	21.1	106	72-120	
1,1,2-Trichloroethane	20.0	20.8	104	80-120	
1,1-Dichloroethane	20.0	21.2	106	80-120	
1,1-Dichloroethene	20.0	21.1	105	80-131	
Ethylene Dibromide	20.0	20.5	102	77-120	
1,2-Dichloroethane	20.0	20.6	103	73-124	
1,2-Dichloropropane	20.0	21.3	106	80-120	
2-Butanone (MEK)	250	241	96	59-135	
2-Hexanone	250	253	101	56-135	
4-Methyl-2-pentanone (MIBK)	250	258	103	62-133	
Acetone	250	244	98	54-157	
Benzene	20.0	20.9	104	80-120	
Bromochloromethane	20.0	21.9	109	80-120	
Bromodichloromethane	20.0	20.7	104	71-120	
Bromoform	20.0	18.7	93	51-120	
Bromomethane	20.0	18.5	93	53-128	
Carbon disulfide	20.0	19.1	96	65-128	
Carbon tetrachloride	20.0	20.8	104	64-134	
Chlorobenzene	20.0	21.1	105	80-120	
Chloroethane	20.0	19.3	97	55-123	
Chloroform	20.0	22.1	111	80-120	
Chloromethane	20.0	17.1	86	56-121	
cis-1,2-Dichloroethene	20.0	21.0	105	80-125	
cis-1,3-Dichloropropene	20.0	19.6	98	75-120	
Dibromochloromethane	20.0	20.5	103	71-120	
Ethylbenzene	20.0	20.9	105	80-120	
Methyl tert-butyl ether	20.0	20.3	101	69-122	
Methylene Chloride	20.0	20.5	102	80-120	
Styrene	20.0	20.8	104	80-120	
Tetrachloroethene	20.0	20.7	104	80-120	
Toluene	20.0	20.8	104	80-120	
trans-1,2-Dichloroethene	20.0	20.8	104	80-126	
trans-1,3-Dichloropropene	20.0	20.5	103	67-120	
Trichloroethene	20.0	20.5	103	80-120	
Vinyl chloride	20.0	17.9	89	56-120	
Xylenes, Total	60.0	62.0	103	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Matrix: Water Level: Low Lab File ID: EM22X34.D

Lab ID: LCSD 410-486390/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	19.3	96	9	30	78-120	
1,1,1-Trichloroethane	20.0	19.4	97	9	30	67-126	
1,1,2,2-Tetrachloroethane	20.0	19.3	97	9	30	72-120	
1,1,2-Trichloroethane	20.0	19.8	99	5	30	80-120	
1,1-Dichloroethane	20.0	19.4	97	9	30	80-120	
1,1-Dichloroethene	20.0	19.5	98	8	30	80-131	
Ethylene Dibromide	20.0	19.1	96	7	30	77-120	
1,2-Dichloroethane	20.0	19.0	95	8	30	73-124	
1,2-Dichloropropane	20.0	19.7	99	8	30	80-120	
2-Butanone (MEK)	250	227	91	6	30	59-135	
2-Hexanone	250	236	94	7	30	56-135	
4-Methyl-2-pentanone (MIBK)	250	240	96	7	30	62-133	
Acetone	250	221	88	10	30	54-157	
Benzene	20.0	19.5	98	7	30	80-120	
Bromochloromethane	20.0	20.4	102	7	30	80-120	
Bromodichloromethane	20.0	19.3	96	7	30	71-120	
Bromoform	20.0	17.6	88	6	30	51-120	
Bromomethane	20.0	17.6	88	5	30	53-128	
Carbon disulfide	20.0	17.8	89	7	30	65-128	
Carbon tetrachloride	20.0	19.1	95	8	30	64-134	
Chlorobenzene	20.0	19.7	98	7	30	80-120	
Chloroethane	20.0	17.9	90	8	30	55-123	
Chloroform	20.0	20.5	102	8	30	80-120	
Chloromethane	20.0	17.9	89	4	30	56-121	
cis-1,2-Dichloroethene	20.0	19.5	97	7	30	80-125	
cis-1,3-Dichloropropene	20.0	18.2	91	7	30	75-120	
Dibromochloromethane	20.0	18.8	94	9	30	71-120	
Ethylbenzene	20.0	19.3	96	8	30	80-120	
Methyl tert-butyl ether	20.0	18.9	94	7	30	69-122	
Methylene Chloride	20.0	19.5	98	5	30	80-120	
Styrene	20.0	19.4	97	7	30	80-120	
Tetrachloroethene	20.0	19.2	96	7	30	80-120	
Toluene	20.0	19.6	98	6	30	80-120	
trans-1,2-Dichloroethene	20.0	19.1	95	9	30	80-126	
trans-1,3-Dichloropropene	20.0	18.9	94	8	30	67-120	
Trichloroethene	20.0	19.1	95	7	30	80-120	
Vinyl chloride	20.0	16.3	82	9	30	56-120	
Xylenes, Total	60.0	58.7	98	5	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Lab File ID: EM22X36.D Lab Sample ID: MB 410-486390/7

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

Instrument ID: 15648 Date Analyzed: 03/22/2024 21:50

GC Column: DB-624 20m ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-486390/4	EM22X33.D	03/22/2024 20:51
	LCSD 410-486390/5	EM22X34.D	03/22/2024 21:11
Trip Blank	410-164755-5	EM22X37.D	03/22/2024 22:10
HD-CW-21-0/1-0	410-164755-1	EM22X42.D	03/22/2024 23:49
HD-CW-22-0/1-0	410-164755-2	EM22X43.D	03/23/2024 00:09
HD-CW-23-0/1-0	410-164755-3	EM22X44.D	03/23/2024 00:29
HD-SPBA-EFF-0/1-0	410-164755-4	EM22X45.D	03/23/2024 00:49

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Lab File ID: EM18T01.D BFB Injection Date: 03/18/2024

Instrument ID: 15648 BFB Injection Time: 11:40

Analysis Batch No.: 484275

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	50 - 200% of m/z 174	126.1
96	5 - 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0
174	50 - 200% of m/z 95	79.3
175	5 - 9% of m/z 174	7.9
176	95 -105% of m/z 174	96.4
177	5 - 10% of m/z 176	6.6

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 410-484275/3	EN18X03.D	03/18/2024	12:16
	IC 410-484275/4	EN18X04.D	03/18/2024	12:36
	IC 410-484275/5	EN18X05.D	03/18/2024	12:56
	IC 410-484275/6	EN18X06.D	03/18/2024	13:16
	IC 410-484275/7	EN18X07.D	03/18/2024	13:36
	IC 410-484275/8	EN18X08.D	03/18/2024	13:56
	IC 410-484275/12	EN18X12.D	03/18/2024	15:16
	IC 410-484275/13	EN18X13.D	03/18/2024	15:36
	IC 410-484275/14	EN18X14.D	03/18/2024	15:56
	IC 410-484275/15	EN18X15.D	03/18/2024	16:16
	ICIS 410-484275/16	EN18X16.D	03/18/2024	16:36
	IC 410-484275/17	EN18X17.D	03/18/2024	16:56
	IC 410-484275/18	EN18X18.D	03/18/2024	17:16
	ICV 410-484275/20	EN18X20.D	03/18/2024	17:57

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Lab File ID: EM22T31.D BFB Injection Date: 03/22/2024

Instrument ID: 15648 BFB Injection Time: 19:59

Analysis Batch No.: 486390

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	50 - 200% of m/z 174	126.5
96	5 - 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.0
174	50 - 200% of m/z 95	79.0
175	5 - 9% of m/z 174	8.1
176	95 -105% of m/z 174	97.1
177	5 - 10% of m/z 176	6.4

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 410-486390/3	EM22X32.D	03/22/2024	20:31
	LCS 410-486390/4	EM22X33.D	03/22/2024	20:51
	LCSD 410-486390/5	EM22X34.D	03/22/2024	21:11
	MB 410-486390/7	EM22X36.D	03/22/2024	21:50
Trip Blank	410-164755-5	EM22X37.D	03/22/2024	22:10
HD-CW-21-0/1-0	410-164755-1	EM22X42.D	03/22/2024	23:49
HD-CW-22-0/1-0	410-164755-2	EM22X43.D	03/23/2024	0:09
HD-CW-23-0/1-0	410-164755-3	EM22X44.D	03/23/2024	0:29
HD-SPBA-EFF-0/1-0	410-164755-4	EM22X45.D	03/23/2024	0:49

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Sample No.: ICIS 410-484275/16 Date Analyzed: 03/18/2024 16:36

Instrument ID: 15648 GC Column: DB-624 20m ID: 0.18(mm)

Lab File ID (Standard): EN18X16.D Heated Purge: (Y/N) N

Calibration ID: 59728

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		220202	2.27	1080528	4.47	806749	7.64
UPPER LIMIT		440404	2.77	2161056	4.97	1613498	8.14
LOWER LIMIT		110101	1.77	540264	3.97	403375	7.14
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-484275/20		240366	2.27	1080038	4.47	799652	7.64
CCVIS 410-486390/3		183256	2.26	936265	4.45	694552	7.63

TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)
CBZd5 = Chlorobenzene-d5 (IS)

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Sample No.: ICIS 410-484275/16 Date Analyzed: 03/18/2024 16:36

Instrument ID: 15648 GC Column: DB-624 20m ID: 0.18(mm)

Lab File ID (Standard): EN18X16.D Heated Purge: (Y/N) N

Calibration ID: 59728

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		454380	9.60				
UPPER LIMIT		908760	10.10				
LOWER LIMIT		227190	9.10				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-484275/20		446746	9.60				
CCVIS 410-486390/3		387212	9.59				

DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Sample No.: CCVIS 410-486390/3 Date Analyzed: 03/22/2024 20:31

Instrument ID: 15648 GC Column: DB-624 20m ID: 0.18(mm)

Lab File ID (Standard): EM22X32.D Heated Purge: (Y/N) N

Calibration ID: 59728

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		183256	2.26	936265	4.45	694552	7.63
UPPER LIMIT		366512	2.76	1872530	4.95	1389104	8.13
LOWER LIMIT		91628	1.76	468133	3.95	347276	7.13
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-486390/4		176872	2.26	892425	4.45	659434	7.63
LCSD 410-486390/5		202168	2.27	968759	4.45	712661	7.63
MB 410-486390/7		191244	2.26	969284	4.45	713203	7.63
410-164755-5	Trip Blank	188502	2.27	978680	4.46	712055	7.63
410-164755-1	HD-CW-21-0/1-0	182047	2.27	930392	4.46	685538	7.63
410-164755-2	HD-CW-22-0/1-0	198702	2.26	981149	4.46	720187	7.63
410-164755-3	HD-CW-23-0/1-0	177390	2.26	873357	4.45	642715	7.63
410-164755-4	HD-SPBA-EFF-0/1-0	182187	2.27	936053	4.45	684774	7.63

TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)
CBZd5 = Chlorobenzene-d5 (IS)

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Sample No.: CCVIS 410-486390/3 Date Analyzed: 03/22/2024 20:31

Instrument ID: 15648 GC Column: DB-624 20m ID: 0.18(mm)

Lab File ID (Standard): EM22X32.D Heated Purge: (Y/N) N

Calibration ID: 59728

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		387212	9.59				
UPPER LIMIT		774424	10.09				
LOWER LIMIT		193606	9.09				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-486390/4		363437	9.59				
LCSD 410-486390/5		395450	9.59				
MB 410-486390/7		390714	9.59				
410-164755-5	Trip Blank	390445	9.59				
410-164755-1	HD-CW-21-0/1-0	378672	9.59				
410-164755-2	HD-CW-22-0/1-0	394936	9.59				
410-164755-3	HD-CW-23-0/1-0	348547	9.59				
410-164755-4	HD-SPBA-EFF-0/1-0	376535	9.59				

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.: 410-164755-1

SDG No.:

Client Sample ID: HD-CW-21-0/1-0 Lab Sample ID: 410-164755-1

Matrix: Water Lab File ID: EM22X42.D

Analysis Method: 8260D Date Collected: 03/20/2024 11:30

Sample wt/vol: 5(mL) Date Analyzed: 03/22/2024 23:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 20m ID: 0.18(mm)

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

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

Analysis Batch No.: 486390 Units: ug/L

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	Ethylene Dibromide	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	0.53	J	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	110		1.0	0.30
108-88-3	Toluene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164755-1

SDG No.:

Client Sample ID: HD-CW-21-0/1-0
Lab Sample ID: 410-164755-1

Matrix: Water
Lab File ID: EM22X42.D

Analysis Method: 8260D
Date Collected: 03/20/2024 11:30

Sample wt/vol: 5(mL)
Date Analyzed: 03/22/2024 23:49

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: DB-624 20m ID: 0.18(mm)

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

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

Analysis Batch No.: 486390
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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	0.68	J	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)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X42.D
Lims ID: 410-164755-A-1
Client ID: HD-CW-21-0/1-0
Sample Type: Client
Inject. Date: 22-Mar-2024 23:49:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109409-013
Operator ID: MEC29284 Instrument ID: 15648

Method: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 25-Mar-2024 09:42:24 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: N9NA Date: 25-Mar-2024 09:43:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		1.214				ND	7
6 Vinyl chloride	62		1.275				ND	
8 Bromomethane	94		1.445				ND	
9 Chloroethane	64		1.470				ND	
17 1,1-Dichloroethene	96		1.915				ND	
18 Acetone	58		1.927				ND	
22 Carbon disulfide	76		2.079				ND	
27 Methylene Chloride	84		2.250				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	2.268	2.256	0.012	29	182047	250.0	
32 trans-1,2-Dichloroethene	96		2.469				ND	
31 Methyl tert-butyl ether	73		2.476				ND	7
34 1,1-Dichloroethane	63		2.823				ND	
40 cis-1,2-Dichloroethene	96		3.347				ND	7
39 2-Butanone (MEK)	43		3.353				ND	
45 Chlorobromomethane	128		3.561				ND	
47 Chloroform	83	3.658	3.646	0.012	92	5089	0.5302	
$ 48 Dibromofluoromethane (Surr)	113	3.805	3.792	0.012	92	216848	49.5	
49 1,1,1-Trichloroethane	97		3.823				ND	
53 Carbon tetrachloride	117		3.987				ND	
$ 55 1,2-Dichloroethane-d4 (Surr)	65	4.115	4.115	0.000	77	336813	48.9	
56 Benzene	78		4.170				ND	
57 1,2-Dichloroethane	62		4.183				ND	
* 60 Fluorobenzene (IS)	96	4.457	4.451	0.006	98	930392	50.0	
63 Trichloroethene	95	4.823	4.817	0.006	95	3768	0.6836	
65 1,2-Dichloropropane	63		5.036				ND	
71 Dichlorobromomethane	83		5.329				ND	
74 cis-1,3-Dichloropropene	75		5.804				ND	
75 4-Methyl-2-pentanone (MIBK)	43		5.981				ND	
$ 77 Toluene-d8 (Surr)	98	6.091	6.091	0.000	95	959204	50.0	
78 Toluene	92		6.158				ND	
79 trans-1,3-Dichloropropene	75		6.408				ND	
82 1,1,2-Trichloroethane	97		6.597				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	6.755	6.749	0.006	96	588281	105.5	
86 2-Hexanone	43		6.901				ND	
87 Chlorodibromomethane	129		7.023				ND	
89 Ethylene Dibromide	107		7.127				ND	
* 90 Chlorobenzene-d5 (IS)	117	7.627	7.627	0.000	90	685538	50.0	
91 Chlorobenzene	112		7.657				ND	
94 1,1,1,2-Tetrachloroethane	131		7.749				ND	
95 Ethylbenzene	91		7.779				ND	
96 m-Xylene & p-Xylene	106		7.901				ND	
97 o-Xylene	106		8.255				ND	
98 Styrene	104		8.267				ND	
99 Bromoform	173		8.407				ND	
$ 103 4-Bromofluorobenzene (Surr)	95	8.694	8.694	0.000	85	360318	49.4	
105 1,1,2,2-Tetrachloroethane	83		8.822				ND	
* 119 1,4-Dichlorobenzene-d4	152	9.590	9.590	0.000	97	378672	50.0	
S 169 Xylenes, Total	106		11.245				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_Cent_ISSS_00023 Amount Added: 5.00 Units: uL Run Reagent

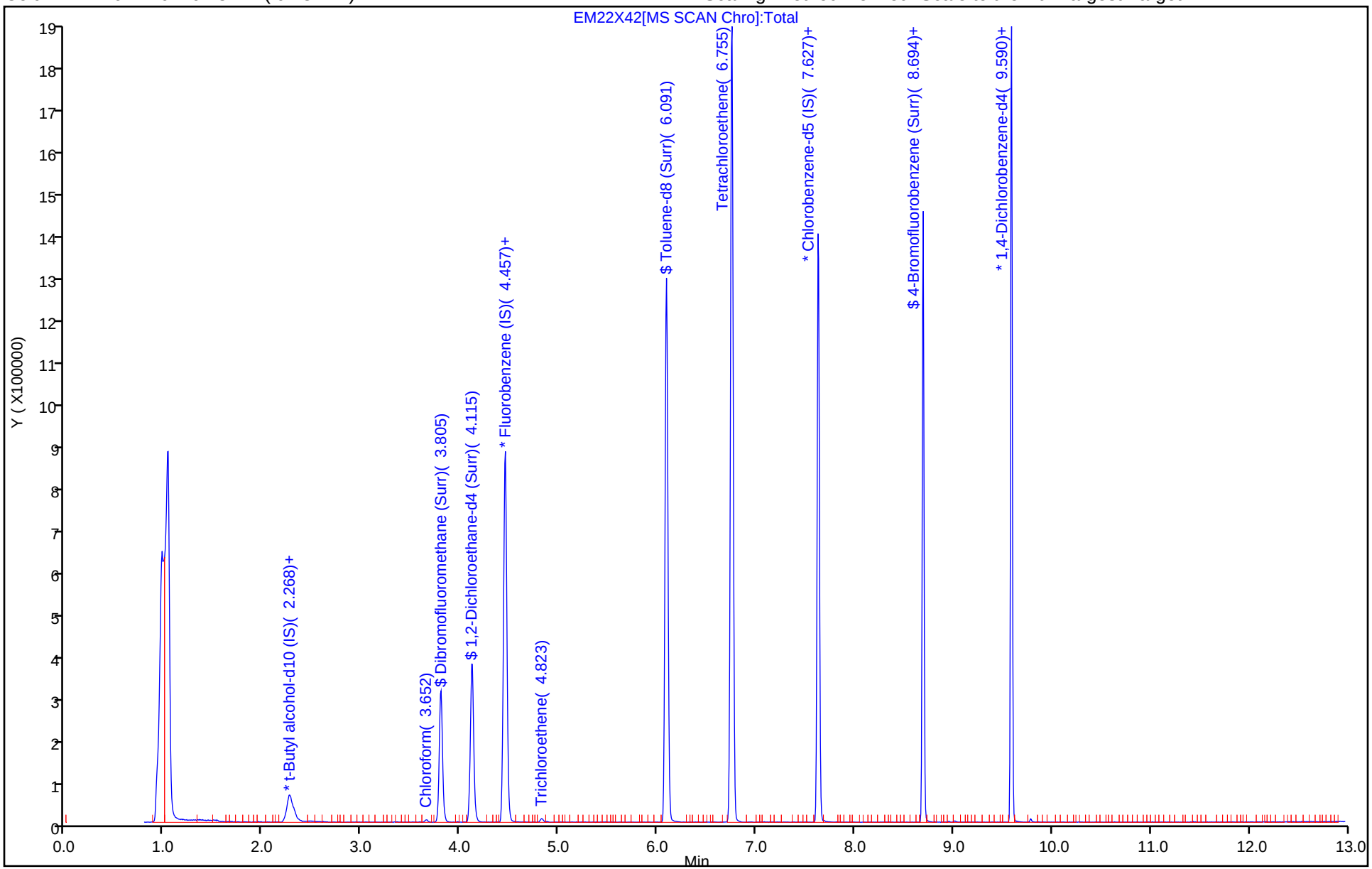
Report Date: 25-Mar-2024 09:43:26 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X42.D

Injection Date:	22-Mar-2024 23:49:30	Instrument ID:	15648	Operator ID:	MEC29284
Lims ID:	410-164755-A-1	Lab Sample ID:	410-164755-1	Worklist Smp#:	13
Client ID:	HD-CW-21-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		

Column: DB-624 20m 0.18mm (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X42.D
Lims ID: 410-164755-A-1
Client ID: HD-CW-21-0/1-0
Sample Type: Client
Inject. Date: 22-Mar-2024 23:49:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109409-013
Operator ID: MEC29284 Instrument ID: 15648

Method: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 25-Mar-2024 09:42:24 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1645

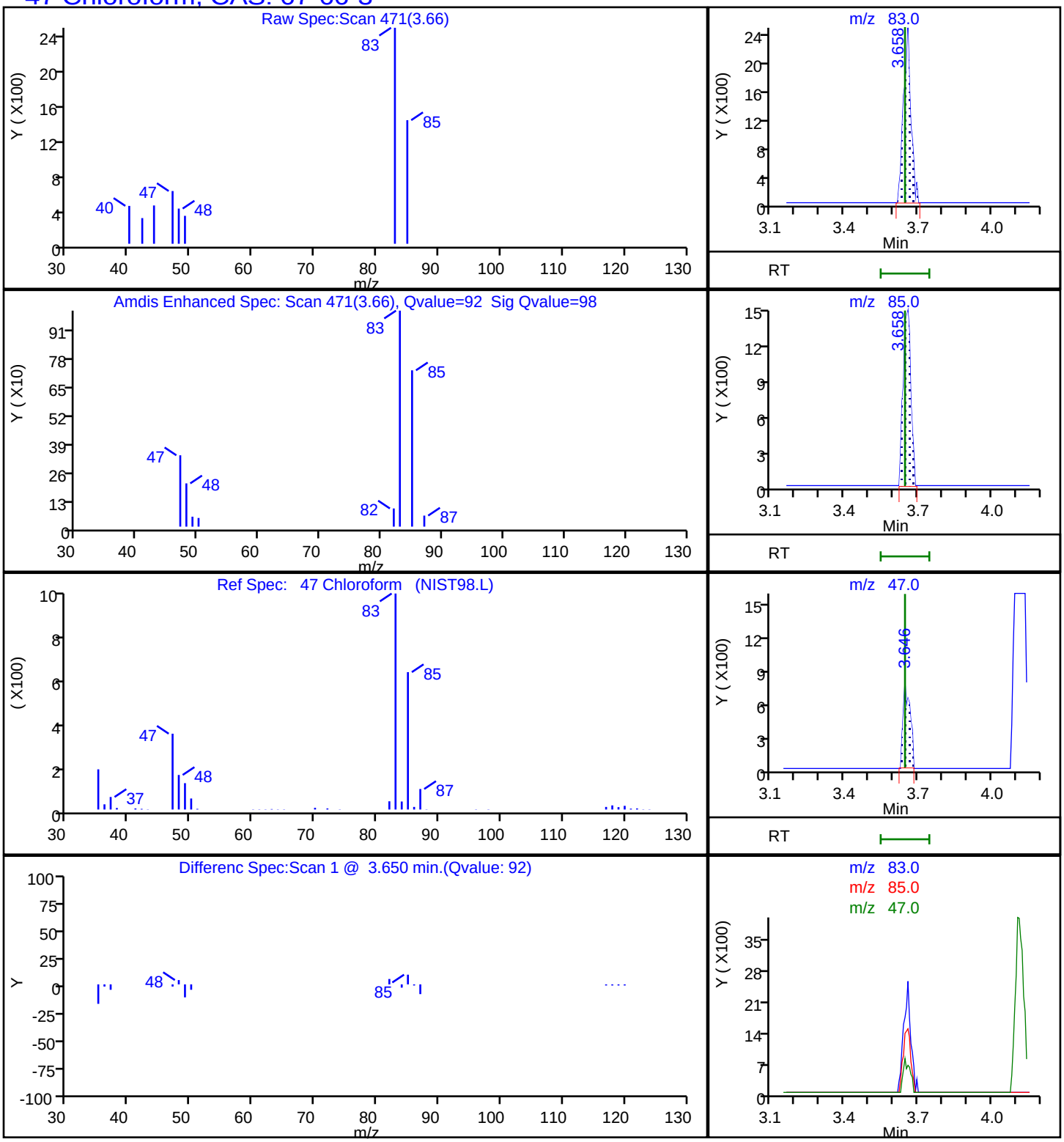
First Level Reviewer: N9NA Date: 25-Mar-2024 09:43:26

Compound	Amount Added	Amount Recovered	% Rec.
$ 48 Dibromofluoromethane (Surr)	50.0	49.5	98.92
$ 55 1,2-Dichloroethane-d4 (Surr)	50.0	48.9	97.87
$ 77 Toluene-d8 (Surr)	50.0	50.0	99.92
$ 103 4-Bromofluorobenzene (Surr)	50.0	49.4	98.82

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X42.D				
Injection Date:	22-Mar-2024 23:49:30	Instrument ID:	15648		
Lims ID:	410-164755-A-1	Lab Sample ID:	410-164755-1		
Client ID:	HD-CW-21-0/1-0				
Operator ID:	MEC29284	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

47 Chloroform, CAS: 67-66-3



Report Date: 25-Mar-2024 09:43:26 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X42.D

Injection Date: 22-Mar-2024 23:49:30 Instrument ID: 15648

Lims ID: 410-164755-A-1 Lab Sample ID: 410-164755-1

Client ID: HD-CW-21-0/1-0

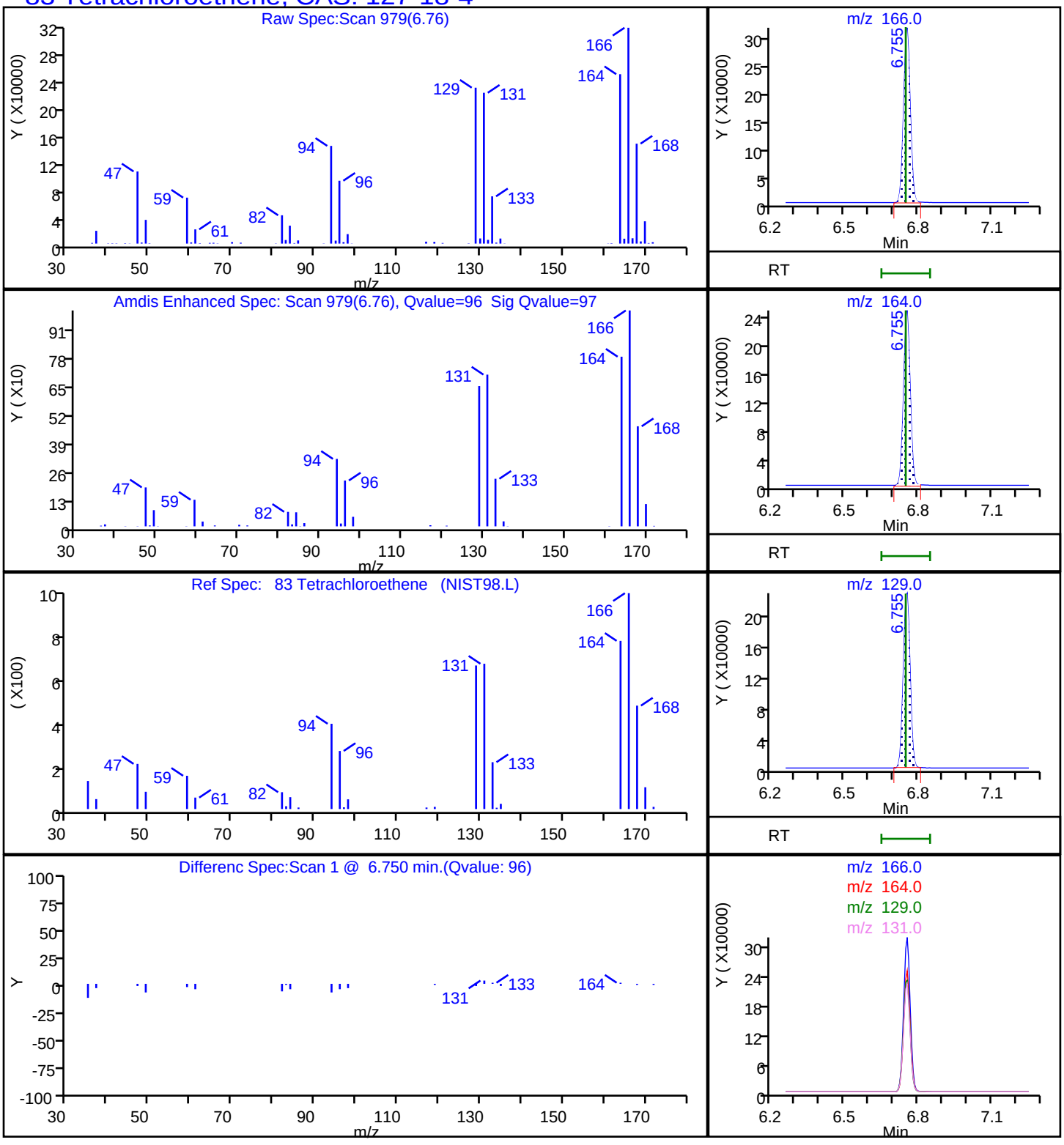
Operator ID: MEC29284 ALS Bottle#: 12 Worklist Smp#: 13

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: MSVoa_15648 Limit Group: MSV - 8260C_D

Column: DB-624 20m 0.18mm (0.18 mm) Detector MS Quad

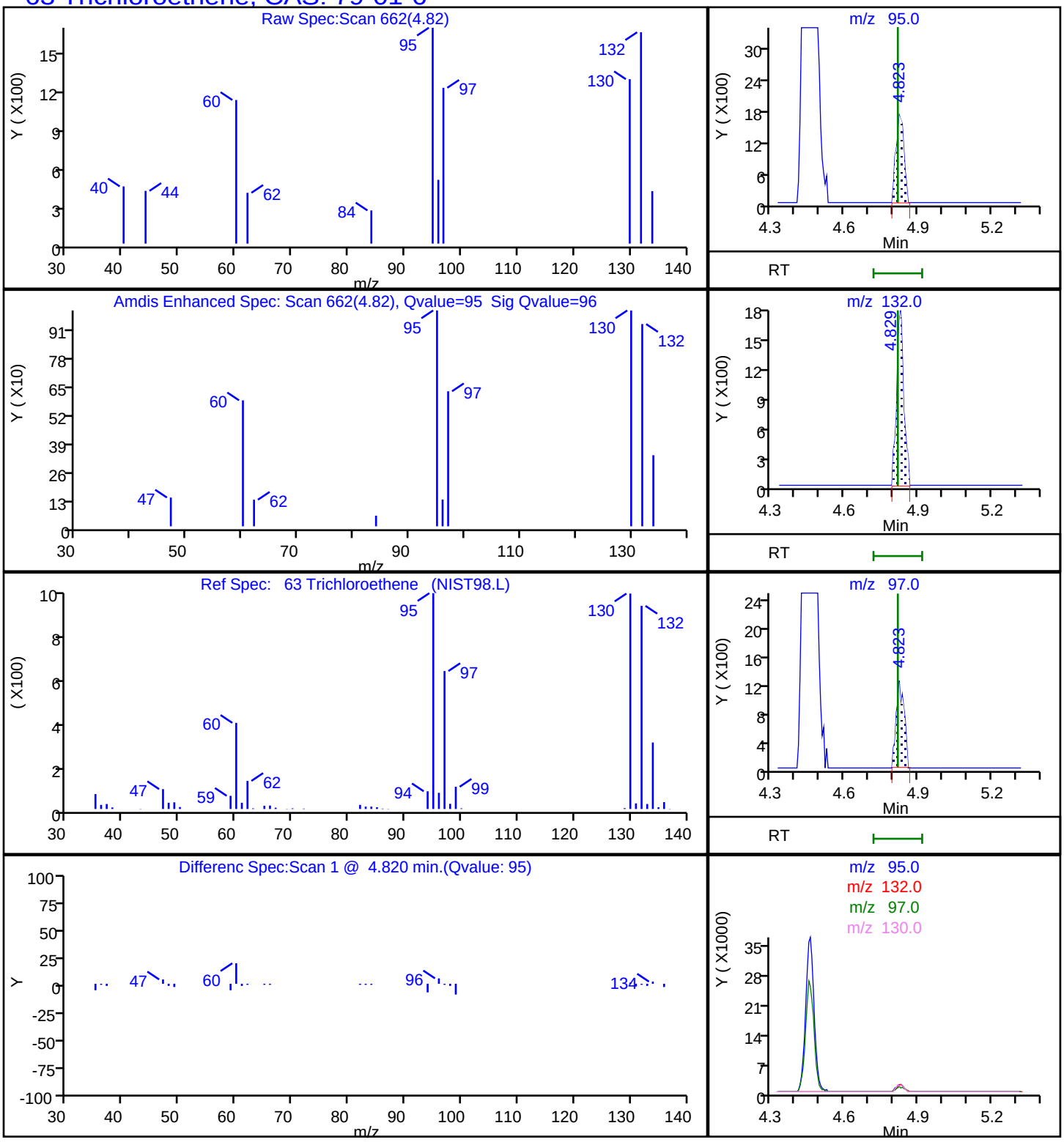
83 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X42.D				
Injection Date:	22-Mar-2024 23:49:30	Instrument ID:	15648		
Lims ID:	410-164755-A-1	Lab Sample ID:	410-164755-1		
Client ID:	HD-CW-21-0/1-0				
Operator ID:	MEC29284	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

63 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164755-1

SDG No.:

Client Sample ID: HD-CW-22-0/1-0
Lab Sample ID: 410-164755-2

Matrix: Water
Lab File ID: EM22X43.D

Analysis Method: 8260D
Date Collected: 03/20/2024 11:37

Sample wt/vol: 5(mL)
Date Analyzed: 03/23/2024 00:09

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: DB-624 20m ID: 0.18(mm)

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

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

Analysis Batch No.: 486390
Units: ug/L

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	Ethylene Dibromide	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	0.62	J	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	51		1.0	0.30
108-88-3	Toluene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164755-1

SDG No.:

Client Sample ID: HD-CW-22-0/1-0
Lab Sample ID: 410-164755-2

Matrix: Water
Lab File ID: EM22X43.D

Analysis Method: 8260D
Date Collected: 03/20/2024 11:37

Sample wt/vol: 5(mL)
Date Analyzed: 03/23/2024 00:09

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: DB-624 20m ID: 0.18(mm)

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

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

Analysis Batch No.: 486390
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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	1.0		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)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X43.D
Lims ID: 410-164755-A-2
Client ID: HD-CW-22-0/1-0
Sample Type: Client
Inject. Date: 23-Mar-2024 00:09:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109409-014
Operator ID: MEC29284 Instrument ID: 15648

Method: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 25-Mar-2024 09:42:24 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: N9NA Date: 25-Mar-2024 09:44:04

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	4 Chloromethane	50		1.214				ND	7
	6 Vinyl chloride	62		1.275				ND	
	8 Bromomethane	94		1.445				ND	
	9 Chloroethane	64		1.470				ND	
	17 1,1-Dichloroethene	96		1.915				ND	
	18 Acetone	58		1.927				ND	
	22 Carbon disulfide	76		2.079				ND	
	27 Methylene Chloride	84		2.250				ND	
*	28 t-Butyl alcohol-d10 (IS)	65	2.262	2.256	0.006	33	198702	250.0	
	32 trans-1,2-Dichloroethene	96		2.469				ND	
	31 Methyl tert-butyl ether	73		2.476				ND	7
	34 1,1-Dichloroethane	63		2.823				ND	
	40 cis-1,2-Dichloroethene	96		3.347				ND	
	39 2-Butanone (MEK)	43		3.353				ND	
	45 Chlorobromomethane	128		3.561				ND	
	47 Chloroform	83	3.658	3.646	0.012	95	6274	0.6198	
$	48 Dibromofluoromethane (Surr)	113	3.804	3.792	0.012	92	227819	49.3	
	49 1,1,1-Trichloroethane	97		3.823				ND	
	53 Carbon tetrachloride	117		3.987				ND	
$	55 1,2-Dichloroethane-d4 (Surr)	65	4.115	4.115	0.000	77	356617	49.1	
	56 Benzene	78		4.170				ND	
	57 1,2-Dichloroethane	62		4.183				ND	
*	60 Fluorobenzene (IS)	96	4.457	4.451	0.006	98	981149	50.0	
	63 Trichloroethene	95	4.829	4.817	0.012	90	5901	1.02	
	65 1,2-Dichloropropane	63		5.036				ND	
	71 Dichlorobromomethane	83		5.329				ND	
	74 cis-1,3-Dichloropropene	75		5.804				ND	
	75 4-Methyl-2-pentanone (MIBK)	43		5.981				ND	
$	77 Toluene-d8 (Surr)	98	6.091	6.091	0.000	95	1015452	50.3	
	78 Toluene	92		6.158				ND	
	79 trans-1,3-Dichloropropene	75		6.408				ND	
	82 1,1,2-Trichloroethane	97		6.597				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	6.755	6.749	0.006	94	300806	51.4	
86 2-Hexanone	43		6.901				ND	
87 Chlorodibromomethane	129		7.023				ND	
89 Ethylene Dibromide	107		7.127				ND	
* 90 Chlorobenzene-d5 (IS)	117	7.627	7.627	0.000	90	720187	50.0	
91 Chlorobenzene	112		7.657				ND	
94 1,1,1,2-Tetrachloroethane	131		7.749				ND	
95 Ethylbenzene	91		7.779				ND	
96 m-Xylene & p-Xylene	106		7.901				ND	
97 o-Xylene	106		8.255				ND	
98 Styrene	104		8.267				ND	
99 Bromoform	173		8.407				ND	
$ 103 4-Bromofluorobenzene (Surr)	95	8.694	8.694	0.000	86	380816	49.7	
105 1,1,2,2-Tetrachloroethane	83		8.822				ND	
* 119 1,4-Dichlorobenzene-d4	152	9.590	9.590	0.000	97	394936	50.0	
S 169 Xylenes, Total	106		11.245				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_Cent_ISSS_00023 Amount Added: 5.00 Units: uL Run Reagent

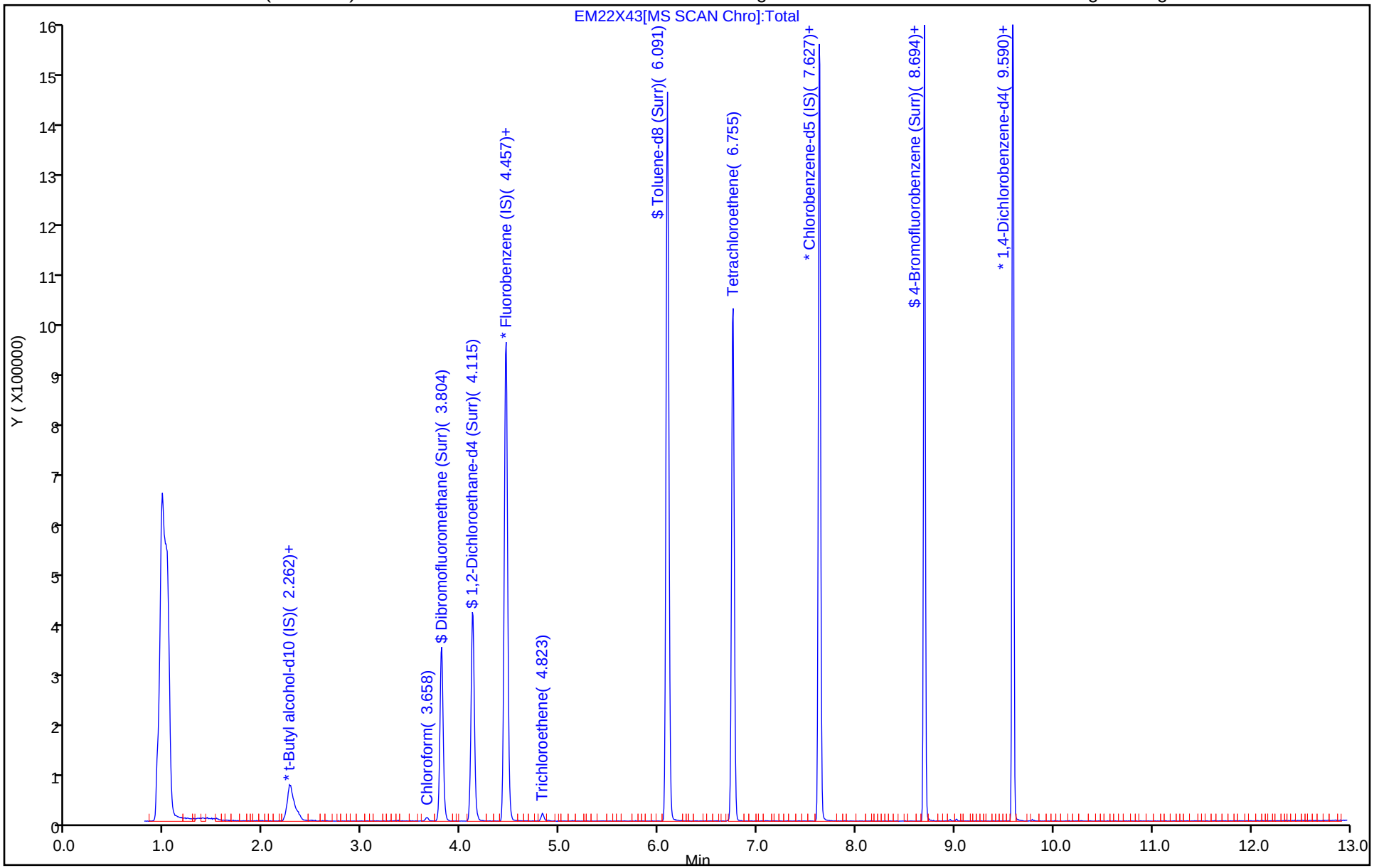
Report Date: 25-Mar-2024 09:44:04 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X43.D

Injection Date:	23-Mar-2024 00:09:30	Instrument ID:	15648	Operator ID:	MEC29284
Lims ID:	410-164755-A-2	Lab Sample ID:	410-164755-2	Worklist Smp#:	14
Client ID:	HD-CW-22-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		

Column: DB-624 20m 0.18mm (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X43.D				
Lims ID:	410-164755-A-2				
Client ID:	HD-CW-22-0/1-0				
Sample Type:	Client				
Inject. Date:	23-Mar-2024 00:09:30	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0109409-014				
Operator ID:	MEC29284	Instrument ID:	15648		
Method:	\\chromfs\Lancaster\ChromData\15648\20240322-109409.b\MSVoa_15648.m				
Limit Group:	MSV - 8260C_D				
Last Update:	25-Mar-2024 09:42:24	Calib Date:	18-Mar-2024 17:16:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D				
Column 1 :	DB-624 20m 0.18mm (0.18 mm)		Det: MS Quad		
Process Host:	CTX1645				

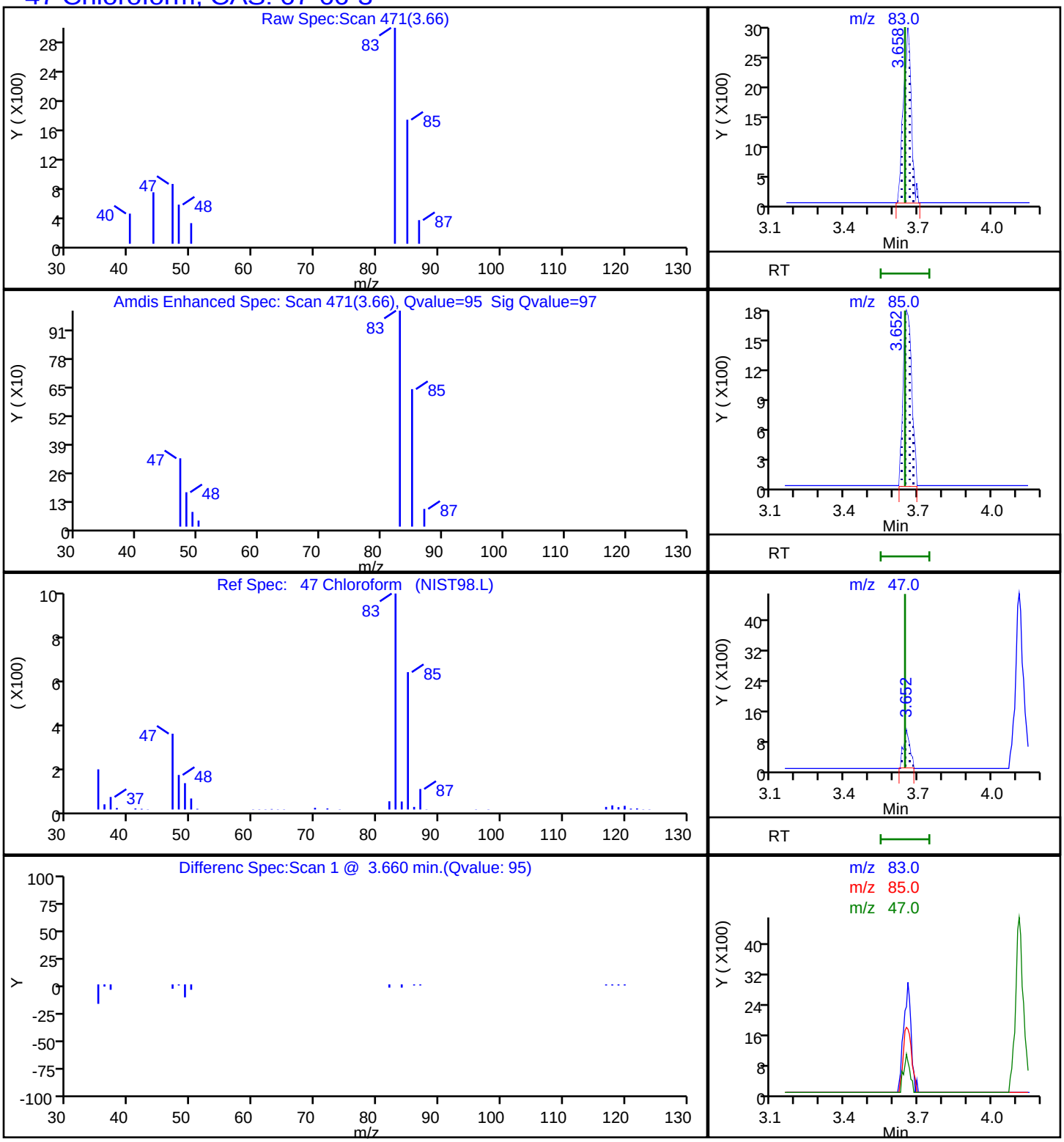
First Level Reviewer: N9NA Date: 25-Mar-2024 09:44:04

Compound	Amount Added	Amount Recovered	% Rec.
$ 48 Dibromofluoromethane (Surr)	50.0	49.3	98.55
$ 55 1,2-Dichloroethane-d4 (Surr)	50.0	49.1	98.27
$ 77 Toluene-d8 (Surr)	50.0	50.3	100.69
$ 103 4-Bromofluorobenzene (Surr)	50.0	49.7	99.42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X43.D				
Injection Date:	23-Mar-2024 00:09:30	Instrument ID:	15648		
Lims ID:	410-164755-A-2	Lab Sample ID:	410-164755-2		
Client ID:	HD-CW-22-0/1-0				
Operator ID:	MEC29284	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

47 Chloroform, CAS: 67-66-3



Report Date: 25-Mar-2024 09:44:04 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X43.D

Injection Date: 23-Mar-2024 00:09:30 Instrument ID: 15648

Lims ID: 410-164755-A-2 Lab Sample ID: 410-164755-2

Client ID: HD-CW-22-0/1-0

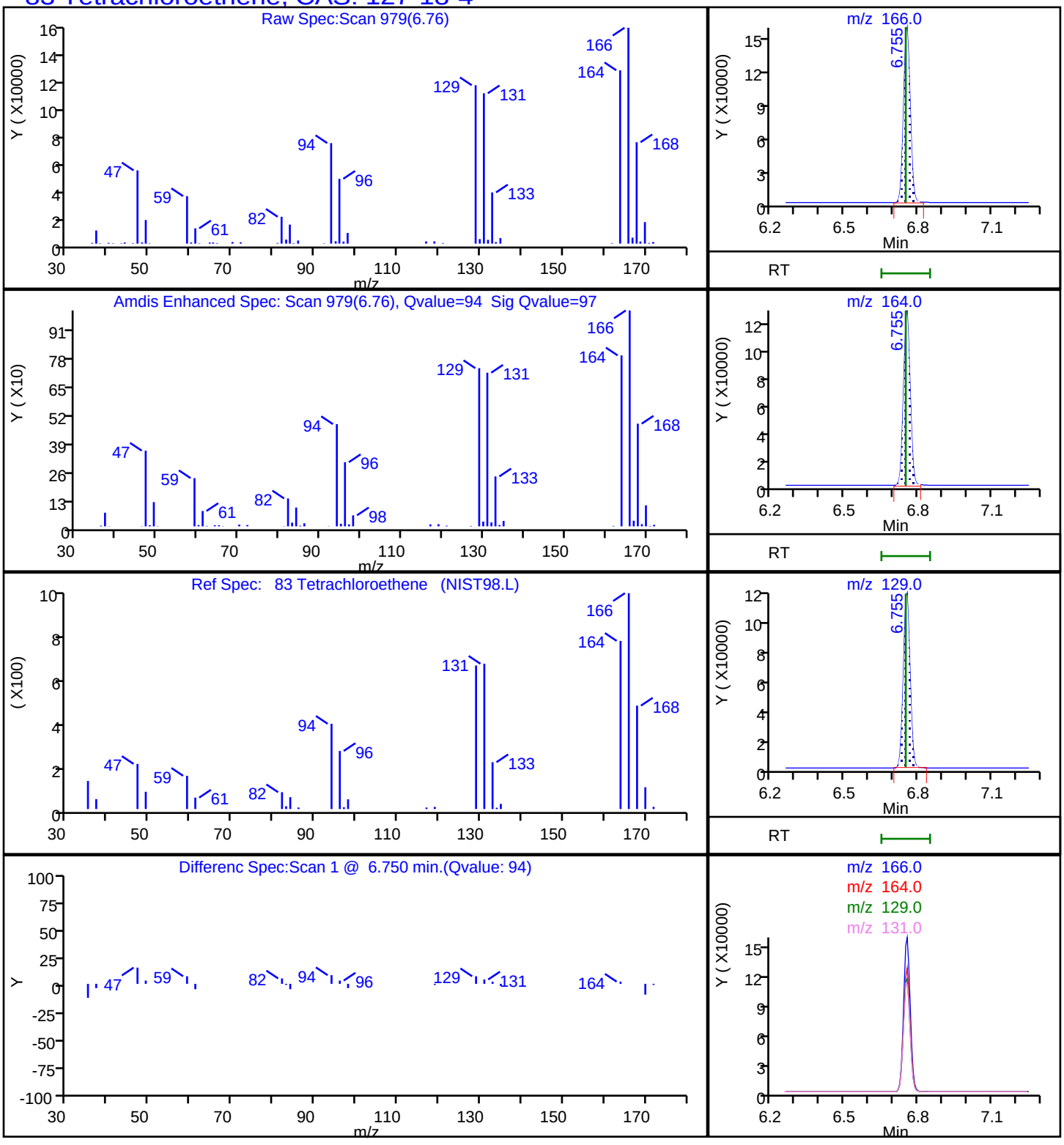
Operator ID: MEC29284 ALS Bottle#: 13 Worklist Smp#: 14

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: MSVoa_15648 Limit Group: MSV - 8260C_D

Column: DB-624 20m 0.18mm (0.18 mm) Detector MS Quad

83 Tetrachloroethene, CAS: 127-18-4

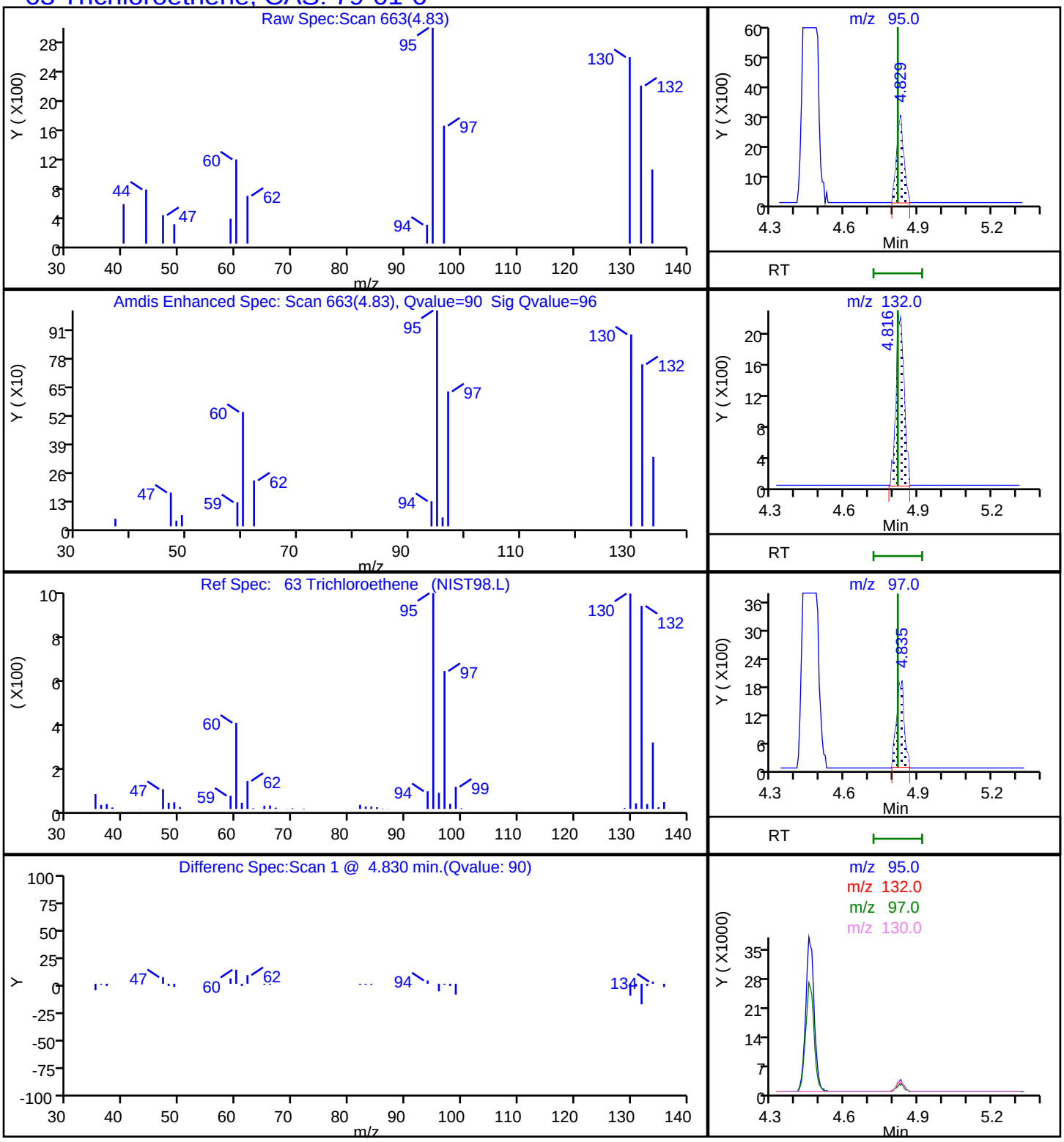


Report Date: 25-Mar-2024 09:44:04 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X43.D				
Injection Date:	23-Mar-2024 00:09:30	Instrument ID:	15648		
Lims ID:	410-164755-A-2	Lab Sample ID:	410-164755-2		
Client ID:	HD-CW-22-0/1-0				
Operator ID:	MEC29284	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

63 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164755-1

SDG No.:

Client Sample ID: HD-CW-23-0/1-0
Lab Sample ID: 410-164755-3

Matrix: Water
Lab File ID: EM22X44.D

Analysis Method: 8260D
Date Collected: 03/20/2024 11:43

Sample wt/vol: 5(mL)
Date Analyzed: 03/23/2024 00:29

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: DB-624 20m ID: 0.18(mm)

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

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

Analysis Batch No.: 486390
Units: ug/L

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	Ethylene Dibromide	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	0.44	J	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	30		1.0	0.30
108-88-3	Toluene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164755-1

SDG No.:

Client Sample ID: HD-CW-23-0/1-0
Lab Sample ID: 410-164755-3

Matrix: Water
Lab File ID: EM22X44.D

Analysis Method: 8260D
Date Collected: 03/20/2024 11:43

Sample wt/vol: 5(mL)
Date Analyzed: 03/23/2024 00:29

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: DB-624 20m ID: 0.18(mm)

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

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

Analysis Batch No.: 486390
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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	0.42	J	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)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		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\15648\20240322-109409.b\EM22X44.D
Lims ID: 410-164755-A-3
Client ID: HD-CW-23-0/1-0
Sample Type: Client
Inject. Date: 23-Mar-2024 00:29:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109409-015
Operator ID: MEC29284 Instrument ID: 15648

Method: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 25-Mar-2024 09:42:24 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: N9NA Date: 25-Mar-2024 09:44:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		1.214				ND	7
6 Vinyl chloride	62		1.275				ND	
8 Bromomethane	94		1.445				ND	
9 Chloroethane	64		1.470				ND	
17 1,1-Dichloroethene	96		1.915				ND	
18 Acetone	58		1.927				ND	
22 Carbon disulfide	76		2.079				ND	
27 Methylene Chloride	84		2.250				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	2.262	2.256	0.006	32	177390	250.0	
32 trans-1,2-Dichloroethene	96		2.469				ND	
31 Methyl tert-butyl ether	73		2.476				ND	
34 1,1-Dichloroethane	63		2.823				ND	
40 cis-1,2-Dichloroethene	96		3.347				ND	
39 2-Butanone (MEK)	43		3.353				ND	
45 Chlorobromomethane	128		3.561				ND	
47 Chloroform	83	3.646	3.646	0.000	93	3984	0.4422	
$ 48 Dibromofluoromethane (Surr)	113	3.792	3.792	0.000	93	200470	48.7	
49 1,1,1-Trichloroethane	97		3.823				ND	
53 Carbon tetrachloride	117		3.987				ND	
$ 55 1,2-Dichloroethane-d4 (Surr)	65	4.109	4.115	-0.006	77	313109	48.5	
56 Benzene	78		4.170				ND	
57 1,2-Dichloroethane	62		4.183				ND	
* 60 Fluorobenzene (IS)	96	4.451	4.451	0.000	98	873357	50.0	
63 Trichloroethene	95	4.823	4.817	0.006	89	2161	0.4176	
65 1,2-Dichloropropane	63		5.036				ND	
71 Dichlorobromomethane	83		5.329				ND	
74 cis-1,3-Dichloropropene	75		5.804				ND	
75 4-Methyl-2-pentanone (MIBK)	43		5.981				ND	
$ 77 Toluene-d8 (Surr)	98	6.085	6.091	-0.006	95	901924	50.1	
78 Toluene	92		6.158				ND	
79 trans-1,3-Dichloropropene	75		6.408				ND	
82 1,1,2-Trichloroethane	97		6.597				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	6.749	6.749	0.000	94	159035	30.4	
86 2-Hexanone	43		6.901				ND	
87 Chlorodibromomethane	129		7.023				ND	
89 Ethylene Dibromide	107		7.127				ND	
* 90 Chlorobenzene-d5 (IS)	117	7.627	7.627	0.000	90	642715	50.0	
91 Chlorobenzene	112		7.657				ND	
94 1,1,1,2-Tetrachloroethane	131		7.749				ND	
95 Ethylbenzene	91		7.779				ND	
96 m-Xylene & p-Xylene	106		7.901				ND	
97 o-Xylene	106		8.255				ND	
98 Styrene	104		8.267				ND	
99 Bromoform	173		8.407				ND	
$ 103 4-Bromofluorobenzene (Surr)	95	8.694	8.694	0.000	87	329088	48.1	
105 1,1,2,2-Tetrachloroethane	83		8.822				ND	
* 119 1,4-Dichlorobenzene-d4	152	9.590	9.590	0.000	97	348547	50.0	
S 169 Xylenes, Total	106		11.245				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_Cent_ISSS_00023 Amount Added: 5.00 Units: uL Run Reagent

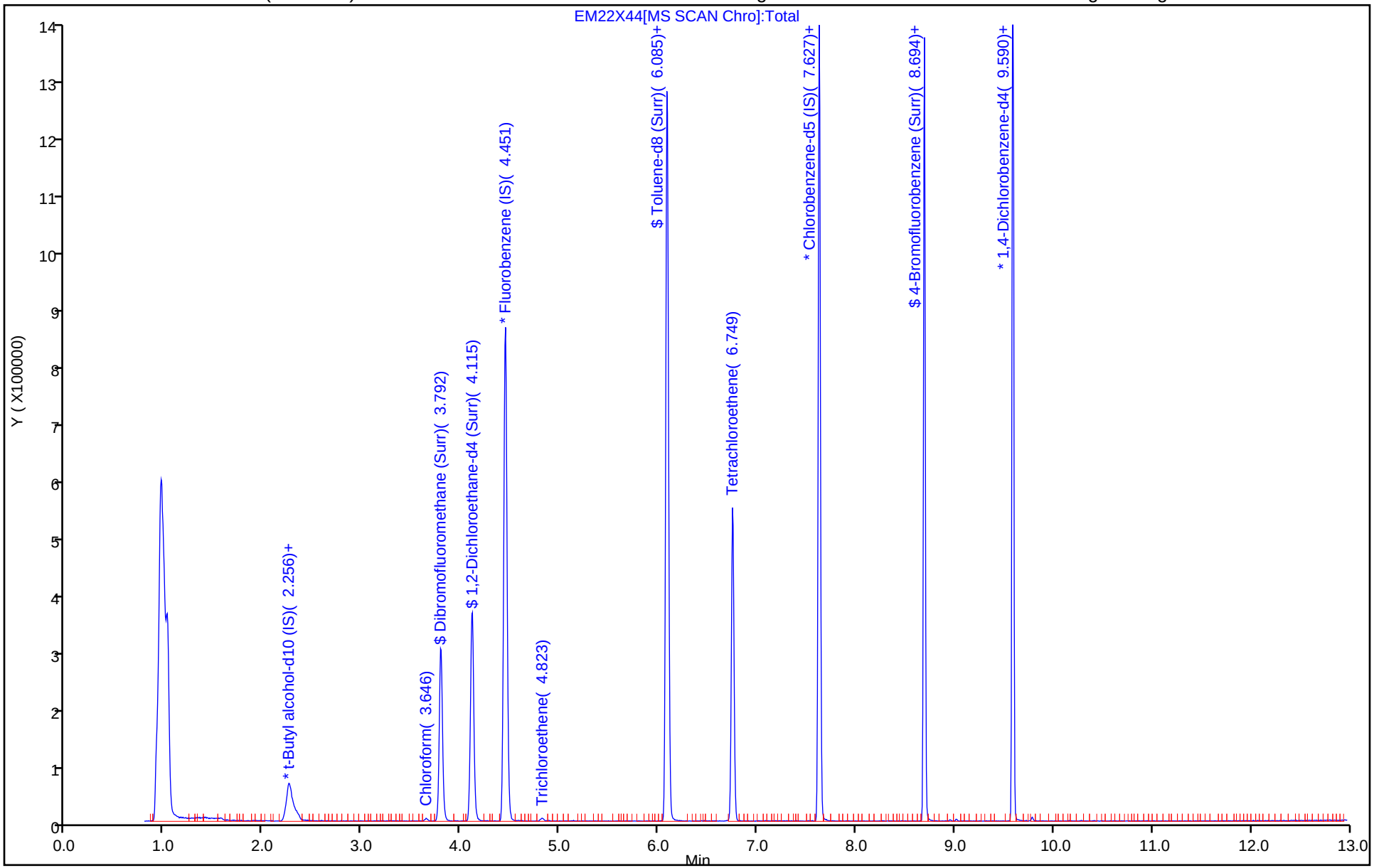
Report Date: 25-Mar-2024 09:44:33 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X44.D

Injection Date:	23-Mar-2024 00:29:30	Instrument ID:	15648	Operator ID:	MEC29284
Lims ID:	410-164755-A-3	Lab Sample ID:	410-164755-3	Worklist Smp#:	15
Client ID:	HD-CW-23-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		

Column: DB-624 20m 0.18mm (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X44.D				
Lims ID:	410-164755-A-3				
Client ID:	HD-CW-23-0/1-0				
Sample Type:	Client				
Inject. Date:	23-Mar-2024 00:29:30	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0109409-015				
Operator ID:	MEC29284	Instrument ID:	15648		
Method:	\\chromfs\Lancaster\ChromData\15648\20240322-109409.b\MSVoa_15648.m				
Limit Group:	MSV - 8260C_D				
Last Update:	25-Mar-2024 09:42:24	Calib Date:	18-Mar-2024 17:16:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D				
Column 1 :	DB-624 20m 0.18mm (0.18 mm)		Det: MS Quad		
Process Host:	CTX1645				

First Level Reviewer: N9NA Date: 25-Mar-2024 09:44:32

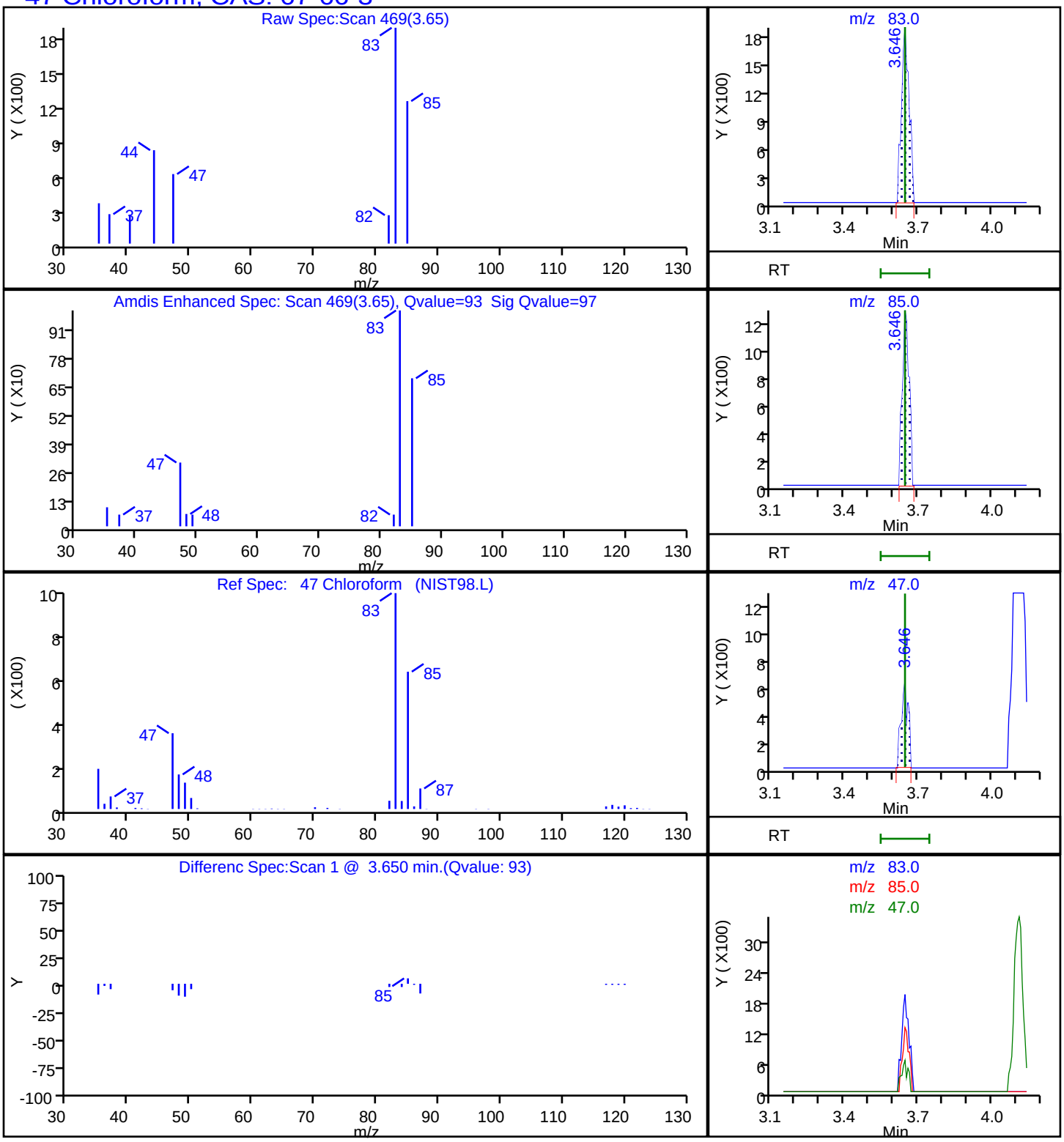
Compound	Amount Added	Amount Recovered	% Rec.
$ 48 Dibromofluoromethane (Surr)	50.0	48.7	97.42
$ 55 1,2-Dichloroethane-d4 (Surr)	50.0	48.5	96.93
$ 77 Toluene-d8 (Surr)	50.0	50.1	100.22
$ 103 4-Bromofluorobenzene (Surr)	50.0	48.1	96.27

Report Date: 25-Mar-2024 09:44:33 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X44.D		
Injection Date:	23-Mar-2024 00:29:30	Instrument ID:	15648
Lims ID:	410-164755-A-3	Lab Sample ID:	410-164755-3
Client ID:	HD-CW-23-0/1-0		
Operator ID:	MEC29284	ALS Bottle#:	14 Worklist Smp#: 15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad

47 Chloroform, CAS: 67-66-3

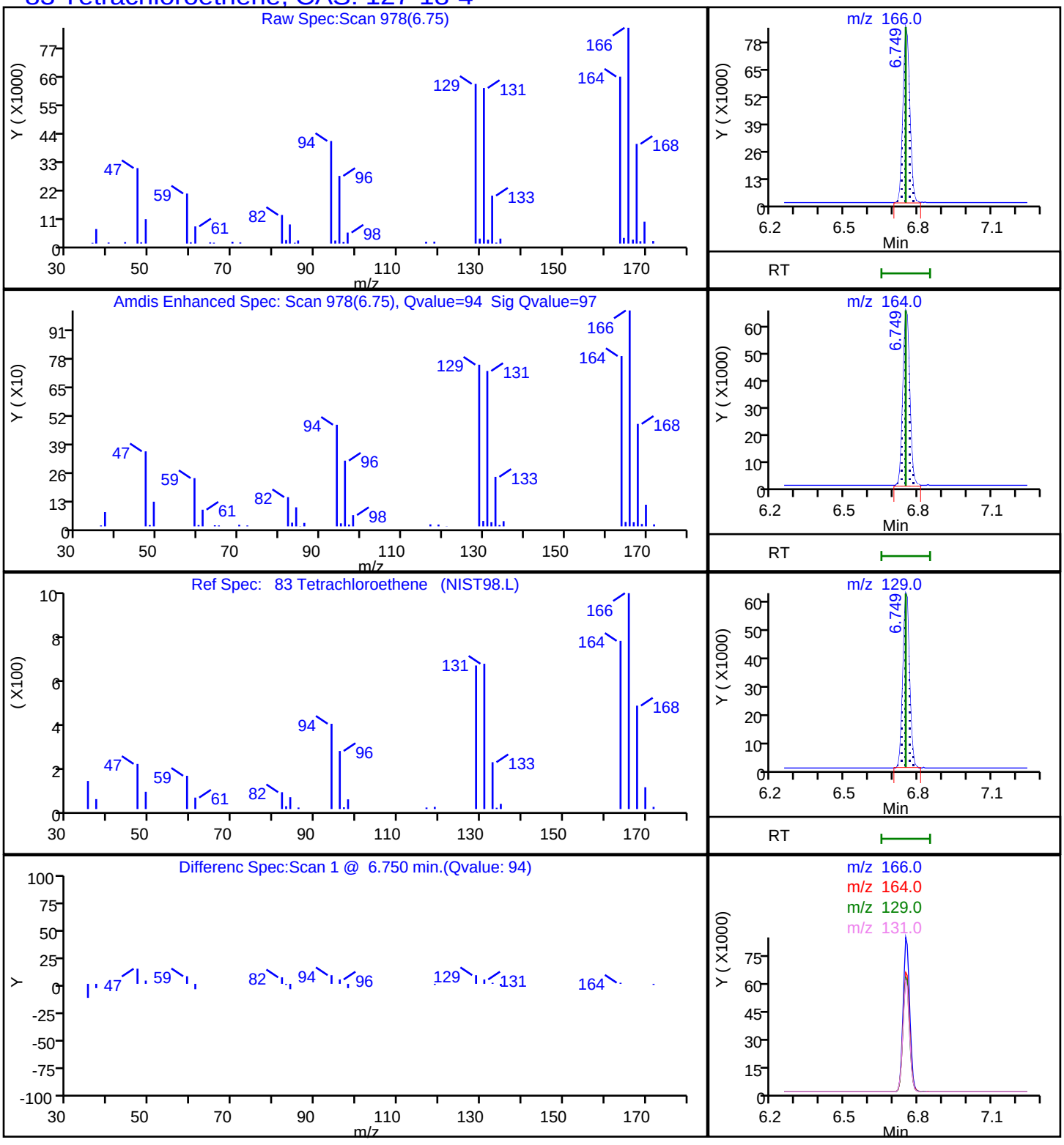


Report Date: 25-Mar-2024 09:44:33 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X44.D		
Injection Date:	23-Mar-2024 00:29:30	Instrument ID:	15648
Lims ID:	410-164755-A-3	Lab Sample ID:	410-164755-3
Client ID:	HD-CW-23-0/1-0		
Operator ID:	MEC29284	ALS Bottle#:	14 Worklist Smp#: 15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad

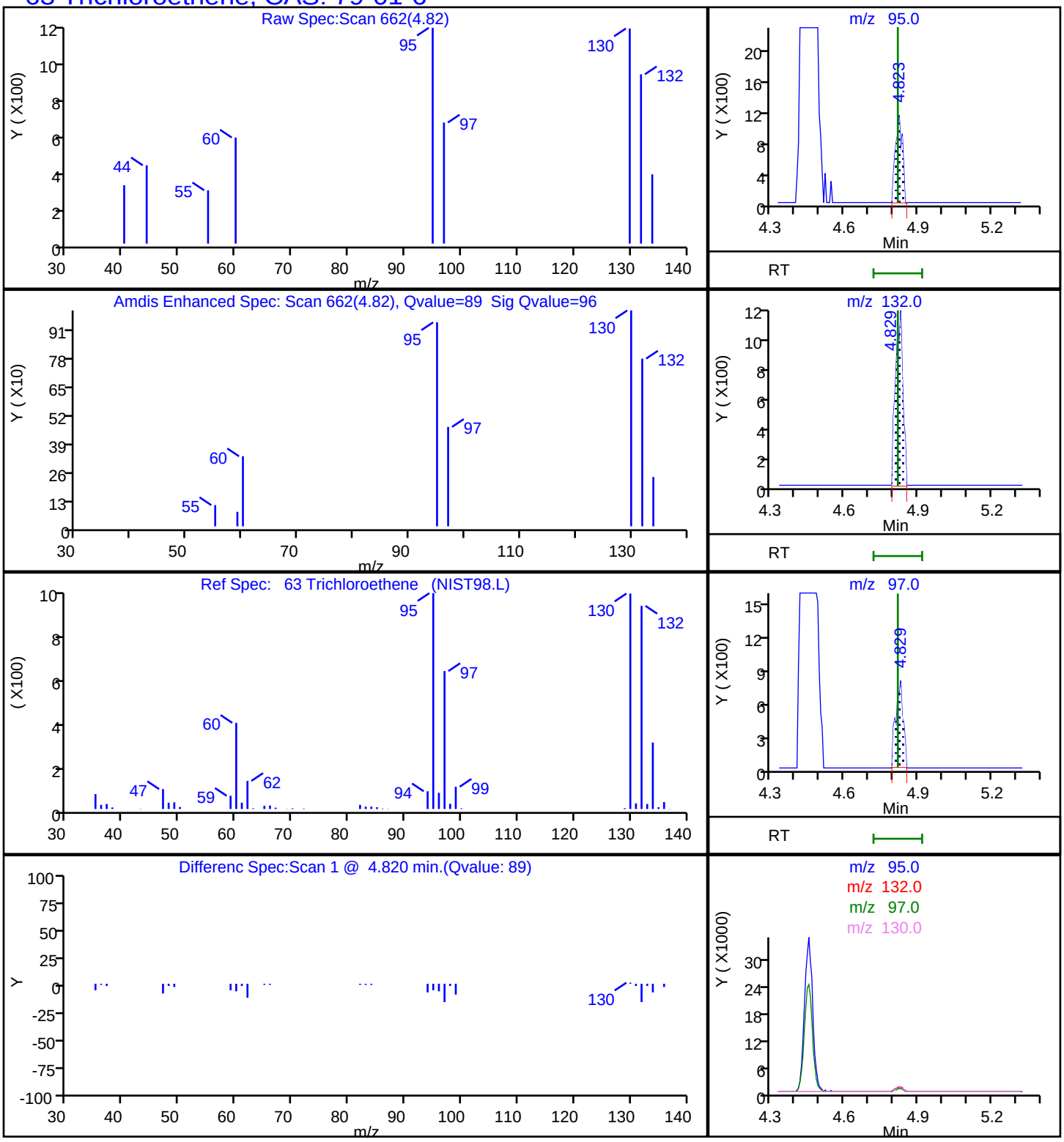
83 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X44.D				
Injection Date:	23-Mar-2024 00:29:30	Instrument ID:	15648		
Lims ID:	410-164755-A-3	Lab Sample ID:	410-164755-3		
Client ID:	HD-CW-23-0/1-0				
Operator ID:	MEC29284	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

63 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164755-1

SDG No.:

Client Sample ID: HD-SPBA-EFF-0/1-0
Lab Sample ID: 410-164755-4

Matrix: Water
Lab File ID: EM22X45.D

Analysis Method: 8260D
Date Collected: 03/20/2024 11:49

Sample wt/vol: 5(mL)
Date Analyzed: 03/23/2024 00:49

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: DB-624 20m ID: 0.18(mm)

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

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

Analysis Batch No.: 486390
Units: ug/L

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	Ethylene Dibromide	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	0.52	J	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	83		1.0	0.30
108-88-3	Toluene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164755-1

SDG No.:

Client Sample ID: HD-SPBA-EFF-0/1-0
Lab Sample ID: 410-164755-4

Matrix: Water
Lab File ID: EM22X45.D

Analysis Method: 8260D
Date Collected: 03/20/2024 11:49

Sample wt/vol: 5(mL)
Date Analyzed: 03/23/2024 00:49

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: DB-624 20m ID: 0.18(mm)

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

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

Analysis Batch No.: 486390
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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	0.81	J	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)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X45.D
Lims ID: 410-164755-A-4
Client ID: HD-SPBA-EFF-0/1-0
Sample Type: Client
Inject. Date: 23-Mar-2024 00:49:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109409-016
Operator ID: MEC29284 Instrument ID: 15648

Method: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 25-Mar-2024 09:45:13 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: N9NA Date: 25-Mar-2024 09:45:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		1.214				ND	7
6 Vinyl chloride	62		1.275				ND	
8 Bromomethane	94		1.445				ND	
9 Chloroethane	64		1.470				ND	
17 1,1-Dichloroethene	96		1.915				ND	
18 Acetone	58		1.927				ND	
22 Carbon disulfide	76		2.079				ND	
27 Methylene Chloride	84		2.250				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	2.268	2.256	0.012	32	182187	250.0	
32 trans-1,2-Dichloroethene	96		2.469				ND	
31 Methyl tert-butyl ether	73		2.476				ND	7
34 1,1-Dichloroethane	63		2.823				ND	
40 cis-1,2-Dichloroethene	96		3.347				ND	7
39 2-Butanone (MEK)	43		3.353				ND	
45 Chlorobromomethane	128		3.561				ND	
47 Chloroform	83	3.652	3.646	0.006	92	5003	0.5181	
$ 48 Dibromofluoromethane (Surr)	113	3.798	3.792	0.006	93	218132	49.5	
49 1,1,1-Trichloroethane	97		3.823				ND	
53 Carbon tetrachloride	117		3.987				ND	
$ 55 1,2-Dichloroethane-d4 (Surr)	65	4.115	4.115	0.000	77	339259	49.0	
56 Benzene	78		4.170				ND	
57 1,2-Dichloroethane	62		4.183				ND	
* 60 Fluorobenzene (IS)	96	4.451	4.451	0.000	98	936053	50.0	
63 Trichloroethene	95	4.823	4.817	0.006	89	4467	0.8055	
65 1,2-Dichloropropane	63		5.036				ND	
71 Dichlorobromomethane	83		5.329				ND	
74 cis-1,3-Dichloropropene	75		5.804				ND	
75 4-Methyl-2-pentanone (MIBK)	43		5.981				ND	U
$ 77 Toluene-d8 (Surr)	98	6.091	6.091	0.000	95	963353	50.2	
78 Toluene	92		6.158				ND	
79 trans-1,3-Dichloropropene	75		6.408				ND	
82 1,1,2-Trichloroethane	97		6.597				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	6.755	6.749	0.006	95	463039	83.2	
86 2-Hexanone	43		6.901				ND	
87 Chlorodibromomethane	129		7.023				ND	
89 Ethylene Dibromide	107		7.127				ND	
* 90 Chlorobenzene-d5 (IS)	117	7.627	7.627	0.000	90	684774	50.0	
91 Chlorobenzene	112		7.657				ND	
94 1,1,1,2-Tetrachloroethane	131		7.749				ND	
95 Ethylbenzene	91		7.779				ND	
96 m-Xylene & p-Xylene	106		7.901				ND	
97 o-Xylene	106		8.255				ND	
98 Styrene	104		8.267				ND	
99 Bromoform	173		8.407				ND	
$ 103 4-Bromofluorobenzene (Surr)	95	8.694	8.694	0.000	86	359580	49.4	
105 1,1,2,2-Tetrachloroethane	83		8.822				ND	
* 119 1,4-Dichlorobenzene-d4	152	9.590	9.590	0.000	97	376535	50.0	
S 169 Xylenes, Total	106		11.245				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_Cent_ISSS_00023 Amount Added: 5.00 Units: uL Run Reagent

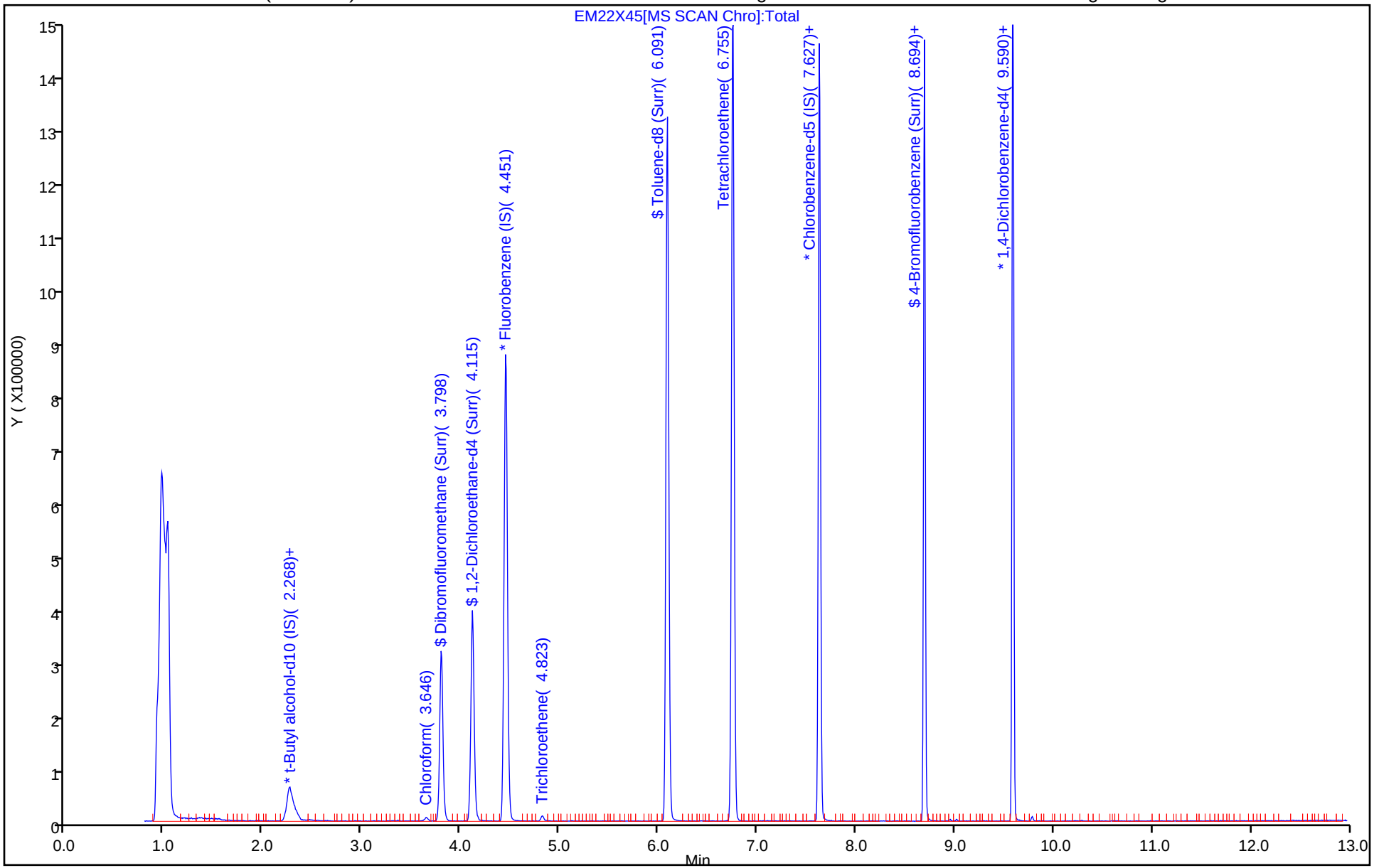
Report Date: 25-Mar-2024 09:45:13 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X45.D

Injection Date:	23-Mar-2024 00:49:30	Instrument ID:	15648	Operator ID:	MEC29284
Lims ID:	410-164755-A-4	Lab Sample ID:	410-164755-4	Worklist Smp#:	16
Client ID:	HD-SPBA-EFF-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		

Column: DB-624 20m 0.18mm (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X45.D
Lims ID: 410-164755-A-4
Client ID: HD-SPBA-EFF-0/1-0
Sample Type: Client
Inject. Date: 23-Mar-2024 00:49:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109409-016
Operator ID: MEC29284 Instrument ID: 15648

Method: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 25-Mar-2024 09:45:13 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1645

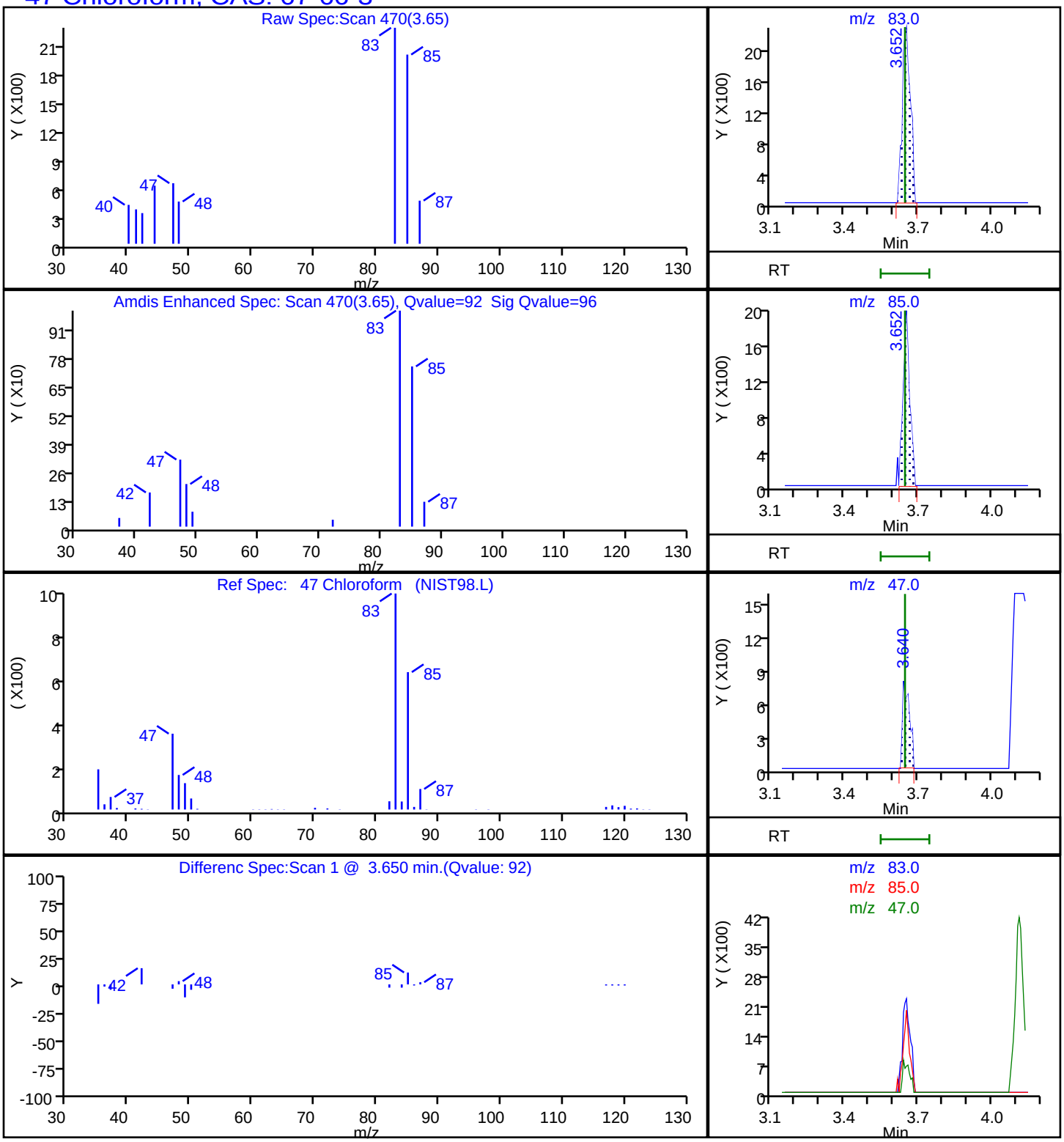
First Level Reviewer: N9NA Date: 25-Mar-2024 09:45:13

Compound	Amount Added	Amount Recovered	% Rec.
$ 48 Dibromofluoromethane (Surr)	50.0	49.5	98.90
$ 55 1,2-Dichloroethane-d4 (Surr)	50.0	49.0	97.99
$ 77 Toluene-d8 (Surr)	50.0	50.2	100.47
$ 103 4-Bromofluorobenzene (Surr)	50.0	49.4	98.73

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X45.D				
Injection Date:	23-Mar-2024 00:49:30	Instrument ID:	15648		
Lims ID:	410-164755-A-4	Lab Sample ID:	410-164755-4		
Client ID:	HD-SPBA-EFF-0/1-0				
Operator ID:	MEC29284	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

47 Chloroform, CAS: 67-66-3



Report Date: 25-Mar-2024 09:45:13 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X45.D

Injection Date: 23-Mar-2024 00:49:30 Instrument ID: 15648

Lims ID: 410-164755-A-4 Lab Sample ID: 410-164755-4

Client ID: HD-SPBA-EFF-0/1-0

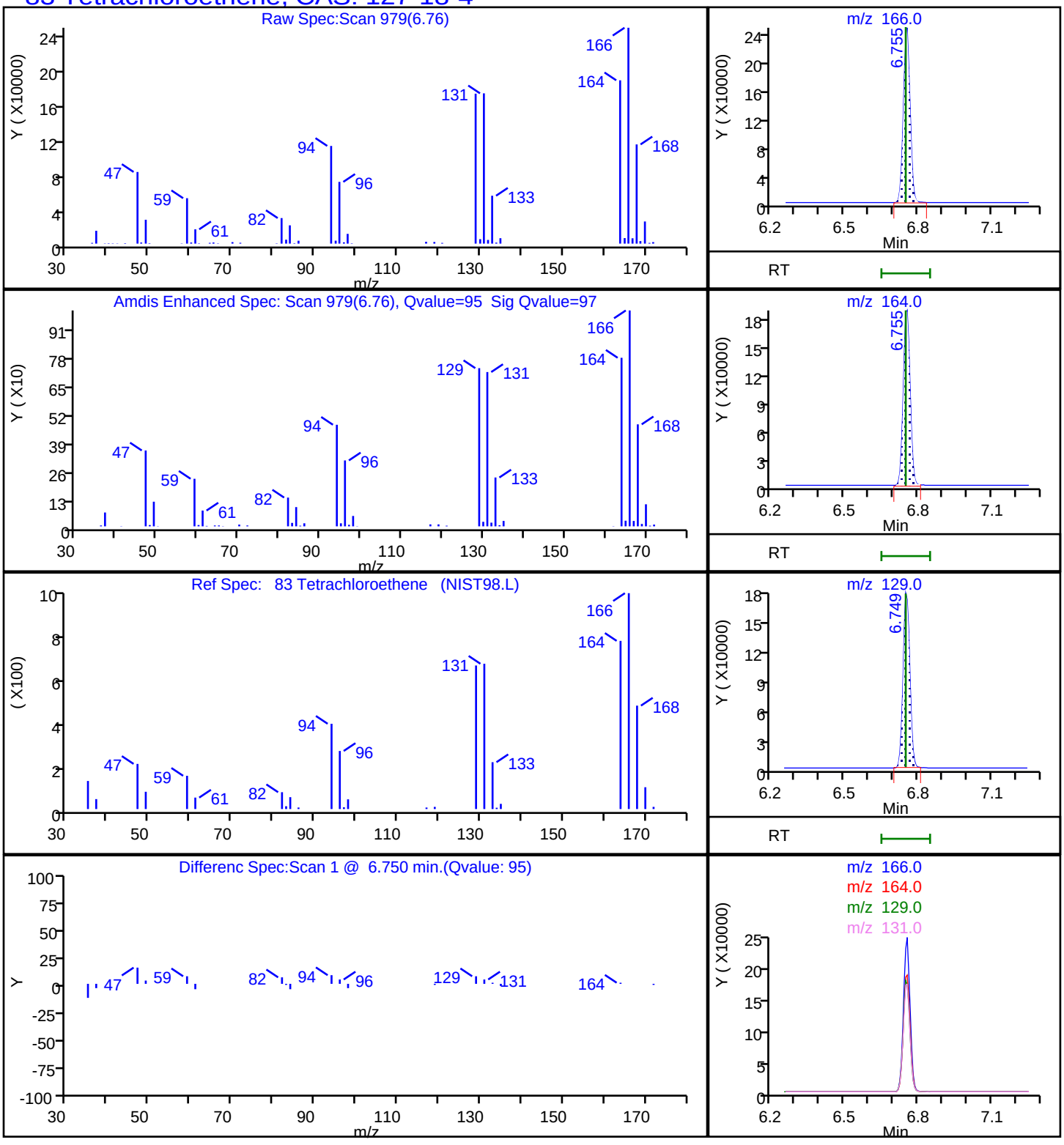
Operator ID: MEC29284 ALS Bottle#: 15 Worklist Smp#: 16

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: MSVoa_15648 Limit Group: MSV - 8260C_D

Column: DB-624 20m 0.18mm (0.18 mm) Detector MS Quad

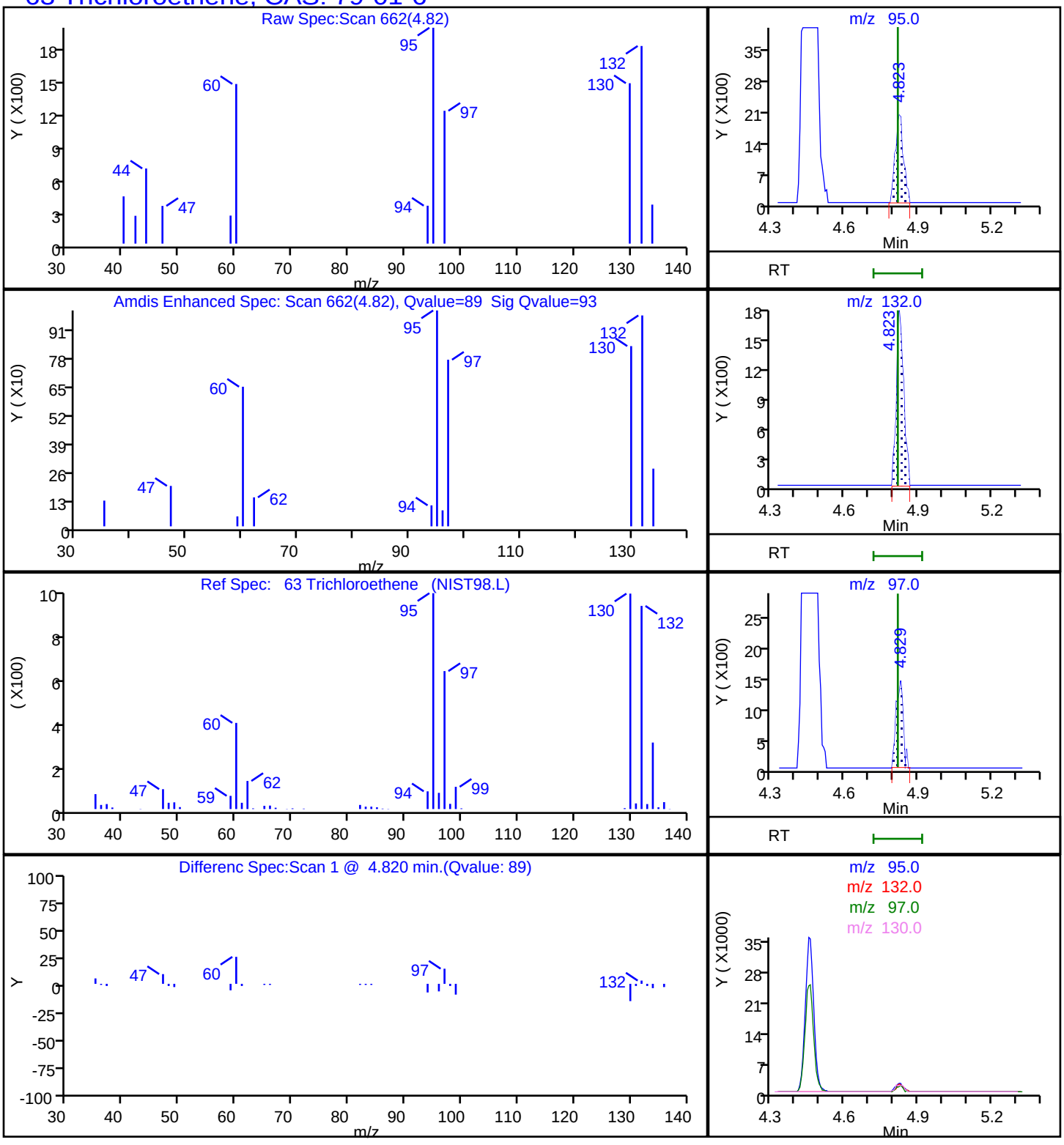
83 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X45.D				
Injection Date:	23-Mar-2024 00:49:30	Instrument ID:	15648		
Lims ID:	410-164755-A-4	Lab Sample ID:	410-164755-4		
Client ID:	HD-SPBA-EFF-0/1-0				
Operator ID:	MEC29284	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

63 Trichloroethene, CAS: 79-01-6



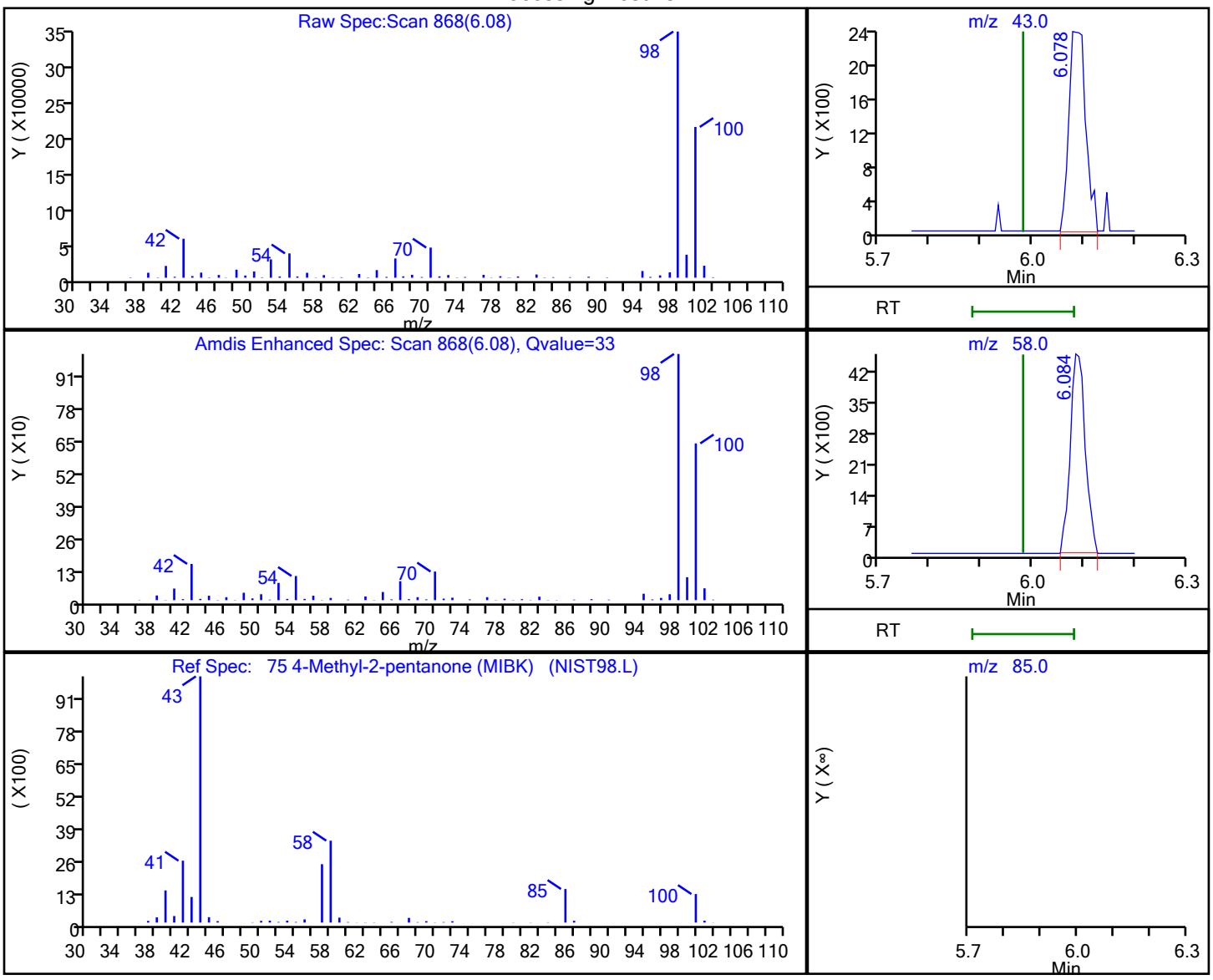
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X45.D				
Injection Date:	23-Mar-2024 00:49:30	Instrument ID:	15648		
Lims ID:	410-164755-A-4	Lab Sample ID:	410-164755-4		
Client ID:	HD-SPBA-EFF-0/1-0				
Operator ID:	MEC29284	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

75 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.08	43.00	5449	0.649797
6.08	58.00	9264	
5.98	85.00	0	
6.09	100.00	610523	

Reviewer: N9NA, 25-Mar-2024 09:45:01 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164755-1

SDG No.:

Client Sample ID: Trip Blank
Lab Sample ID: 410-164755-5

Matrix: Water
Lab File ID: EM22X37.D

Analysis Method: 8260D
Date Collected: 03/20/2024 00:00

Sample wt/vol: 5(mL)
Date Analyzed: 03/22/2024 22:10

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: DB-624 20m ID: 0.18(mm)

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

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

Analysis Batch No.: 486390
Units: ug/L

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	Ethylene Dibromide	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
108-88-3	Toluene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164755-1

SDG No.:

Client Sample ID: Trip Blank
Lab Sample ID: 410-164755-5

Matrix: Water
Lab File ID: EM22X37.D

Analysis Method: 8260D
Date Collected: 03/20/2024 00:00

Sample wt/vol: 5(mL)
Date Analyzed: 03/22/2024 22:10

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: DB-624 20m ID: 0.18(mm)

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

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

Analysis Batch No.: 486390
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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)	96		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	98		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\15648\20240322-109409.b\EM22X37.D
Lims ID: 410-164755-A-5
Client ID: Trip Blank
Sample Type: Client
Inject. Date: 22-Mar-2024 22:10:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109409-008
Operator ID: MEC29284 Instrument ID: 15648

Method: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 25-Mar-2024 09:47:18 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1645

First Level Reviewer: N9NA Date: 25-Mar-2024 09:50:22

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	4 Chloromethane	50		1.214				ND	7
	6 Vinyl chloride	62		1.275				ND	
	8 Bromomethane	94		1.445				ND	
	9 Chloroethane	64		1.470				ND	
	17 1,1-Dichloroethene	96		1.915				ND	
	18 Acetone	58		1.927				ND	
	22 Carbon disulfide	76		2.079				ND	
	27 Methylene Chloride	84		2.250				ND	
*	28 t-Butyl alcohol-d10 (IS)	65	2.268	2.256	0.012	30	188502	250.0	
	32 trans-1,2-Dichloroethene	96		2.469				ND	
	31 Methyl tert-butyl ether	73		2.476				ND	7
	34 1,1-Dichloroethane	63		2.823				ND	
	40 cis-1,2-Dichloroethene	96		3.347				ND	
	39 2-Butanone (MEK)	43		3.353				ND	U
	45 Chlorobromomethane	128		3.561				ND	
	47 Chloroform	83	3.646	3.646	0.000	88	1284	0.1272	
$	48 Dibromofluoromethane (Surr)	113	3.798	3.792	0.006	92	226130	49.0	
	49 1,1,1-Trichloroethane	97		3.823				ND	
	53 Carbon tetrachloride	117		3.987				ND	
$	55 1,2-Dichloroethane-d4 (Surr)	65	4.115	4.115	0.000	77	348189	48.1	
	56 Benzene	78		4.170				ND	
	57 1,2-Dichloroethane	62		4.183				ND	
*	60 Fluorobenzene (IS)	96	4.457	4.451	0.006	98	978680	50.0	
	63 Trichloroethene	95		4.817				ND	
	65 1,2-Dichloropropane	63		5.036				ND	
	71 Dichlorobromomethane	83		5.329				ND	
	74 cis-1,3-Dichloropropene	75		5.804				ND	
	75 4-Methyl-2-pentanone (MIBK)	43		5.981				ND	7
$	77 Toluene-d8 (Surr)	98	6.091	6.091	0.000	95	997918	50.0	
	78 Toluene	92		6.158				ND	
	79 trans-1,3-Dichloropropene	75		6.408				ND	
	82 1,1,2-Trichloroethane	97		6.597				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166		6.749				ND	
86 2-Hexanone	43		6.901				ND	
87 Chlorodibromomethane	129		7.023				ND	
89 Ethylene Dibromide	107		7.127				ND	
* 90 Chlorobenzene-d5 (IS)	117	7.627	7.627	0.000	90	712055	50.0	
91 Chlorobenzene	112		7.657				ND	
94 1,1,1,2-Tetrachloroethane	131		7.749				ND	
95 Ethylbenzene	91		7.779				ND	
96 m-Xylene & p-Xylene	106		7.901				ND	
97 o-Xylene	106		8.255				ND	
98 Styrene	104		8.267				ND	
99 Bromoform	173		8.407				ND	
$ 103 4-Bromofluorobenzene (Surr)	95	8.694	8.694	0.000	86	375051	49.5	
105 1,1,2,2-Tetrachloroethane	83		8.822				ND	
* 119 1,4-Dichlorobenzene-d4	152	9.590	9.590	0.000	97	390445	50.0	
S 169 Xylenes, Total	106		11.245				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_Cent_ISSS_00023 Amount Added: 5.00 Units: uL Run Reagent

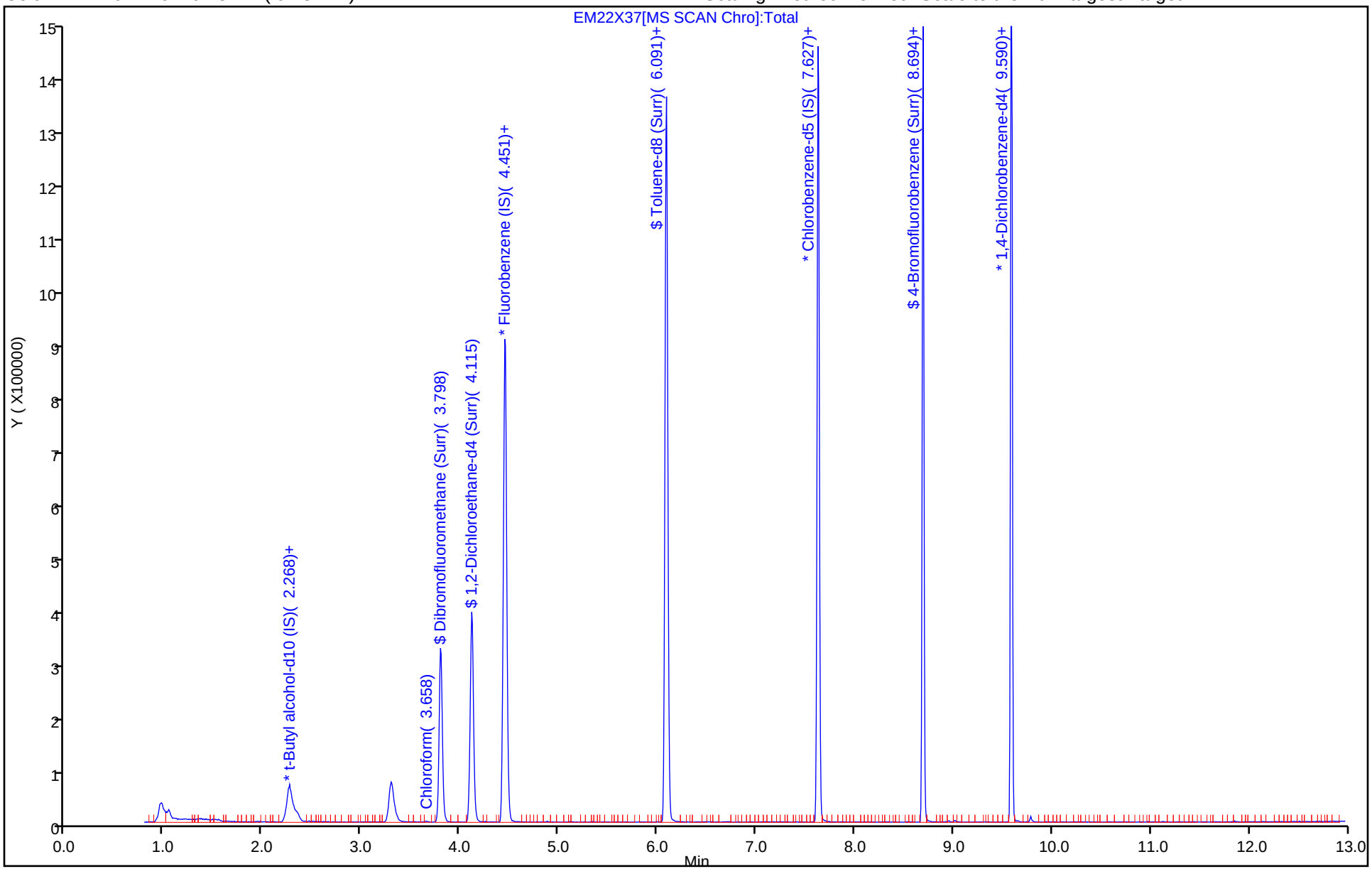
Report Date: 25-Mar-2024 09:50:22 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X37.D

Injection Date:	22-Mar-2024 22:10:30	Instrument ID:	15648	Operator ID:	MEC29284
Lims ID:	410-164755-A-5	Lab Sample ID:	410-164755-5	Worklist Smp#:	8
Client ID:	Trip Blank				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		

Column: DB-624 20m 0.18mm (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X37.D				
Lims ID:	410-164755-A-5				
Client ID:	Trip Blank				
Sample Type:	Client				
Inject. Date:	22-Mar-2024 22:10:30	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0109409-008				
Operator ID:	MEC29284	Instrument ID:	15648		
Method:	\\chromfs\Lancaster\ChromData\15648\20240322-109409.b\MSVoa_15648.m				
Limit Group:	MSV - 8260C_D				
Last Update:	25-Mar-2024 09:47:18	Calib Date:	18-Mar-2024 17:16:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D				
Column 1 :	DB-624 20m 0.18mm (0.18 mm)		Det: MS Quad		
Process Host:	CTX1645				

First Level Reviewer: N9NA Date: 25-Mar-2024 09:50:22

Compound	Amount Added	Amount Recovered	% Rec.
$ 48 Dibromofluoromethane (Surr)	50.0	49.0	98.06
$ 55 1,2-Dichloroethane-d4 (Surr)	50.0	48.1	96.19
$ 77 Toluene-d8 (Surr)	50.0	50.0	100.09
$ 103 4-Bromofluorobenzene (Surr)	50.0	49.5	99.03

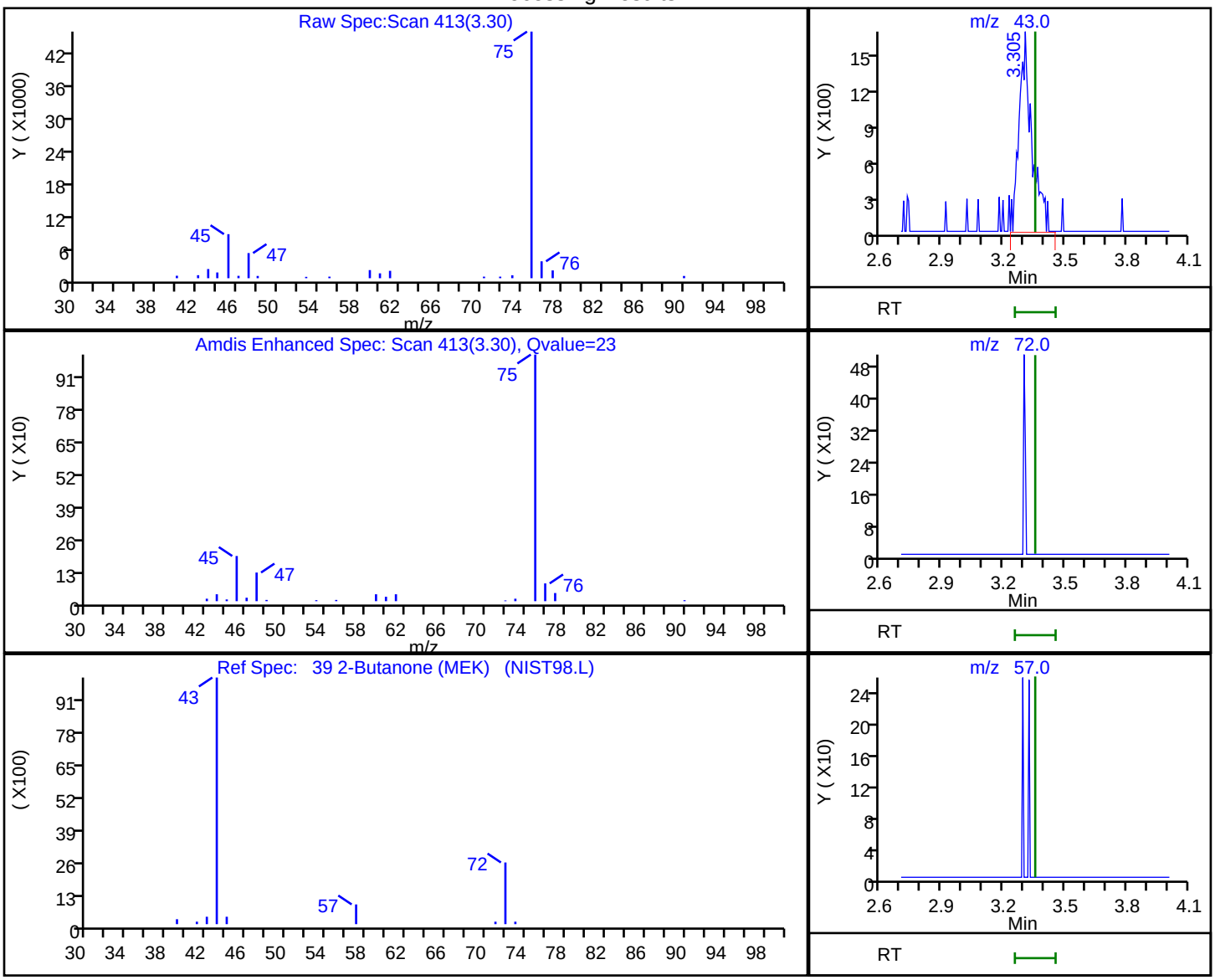
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X37.D				
Injection Date:	22-Mar-2024 22:10:30	Instrument ID:	15648		
Lims ID:	410-164755-A-5	Lab Sample ID:	410-164755-5		
Client ID:	Trip Blank				
Operator ID:	MEC29284	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

39 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
3.30	43.00	7297	1.712912
3.35	72.00	0	
3.35	57.00	0	

Reviewer: N9NA, 25-Mar-2024 09:40:52 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1 Analy Batch No.: 484275

SDG No.:

Instrument ID: 15648 GC Column: DB-624 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2024 12:16 Calibration End Date: 03/18/2024 13:56 Calibration ID: 59724

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-484275/3	EN18X03.D
Level 2	IC 410-484275/4	EN18X04.D
Level 3	IC 410-484275/5	EN18X05.D
Level 4	IC 410-484275/6	EN18X06.D
Level 5	IC 410-484275/7	EN18X07.D
Level 6	IC 410-484275/8	EN18X08.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 3	LVL 4	LVL 5		B	M1	M2								
Chlorotrifluoroethene	0.2008 0.2127	0.2119	0.2410	0.2131	0.2189	Ave		0.2164				6.2		20.0			
Chlorodifluoromethane	11.403 11.985	12.931	12.845	11.961	12.440	Ave		12.261				4.8		20.0			
Freon 133a	0.3046 0.3124	0.3586	0.3628	0.3212	0.3212	Ave		0.3301				7.4		20.0			
Ethanol	0.0911 0.0711	0.0897	0.0860	0.0769	0.0756	Ave		0.0817				10.1		20.0			
Acetonitrile	1.7409 1.2216	1.3838	1.3638	1.2192	1.2415	Ave		1.3618				14.6		20.0			
Vinyl acetate	0.7657 0.7783	0.7328	0.7800	0.7678	0.7674	Ave		0.7653				2.2		20.0			
Ethyl acetate	0.3622 0.3974	0.3691	0.4053	0.3943	0.3931	Ave		0.3869				4.4		20.0			
Isopropyl acetate	0.7420 0.7626	0.7429	0.7803	0.7557	0.7546	Ave		0.7564				1.9		20.0			
n-Propyl acetate	0.1421 0.1500	0.1359	0.1512	0.1457	0.1495	Ave		0.1457				4.0		20.0			
3,4-Dichloro-1-butene	0.4107 0.4353	0.4311	0.4489	0.4164	0.4372	Ave		0.4299				3.3		20.0			
Butyl acetate	0.8350 0.8756	0.8305	0.8932	0.8706	0.8920	Ave		0.8662				3.2		20.0			
cis-1,4-Dichloro-2-butene	0.2281 0.2498	0.2425	0.2552	0.2391	0.2507	Ave		0.2442				4.0		20.0			
Pentachloroethane	0.3877 0.4484	0.4155	0.4401	0.4093	0.4450	Ave		0.4243				5.7		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-164755-1 | Analy Batch No.: 484275

SDG No.:

Instrument ID: 15648 | GC Column: DB-624 20m ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2024 12:16 | Calibration End Date: 03/18/2024 13:56 | Calibration ID: 59724

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-484275/3	EN18X03.D
Level 2	IC 410-484275/4	EN18X04.D
Level 3	IC 410-484275/5	EN18X05.D
Level 4	IC 410-484275/6	EN18X06.D
Level 5	IC 410-484275/7	EN18X07.D
Level 6	IC 410-484275/8	EN18X08.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Chlorotrifluoroethene	FB	Ave	18441 1406631	46893	103665	233000	472842	4.00 300	10.0	20.0	50.0	100
Chlorodifluoromethane	TBAd10	Ave	45147 3094293	121631	236444	532418	1046047	4.00 300	10.0	20.0	50.0	100
Freon 133a	FB	Ave	27976 2066146	79378	156025	351291	693927	4.00 300	10.0	20.0	50.0	100
Ethanol	TBAd10	Ave	22536 458980	42207	79127	85554	158999	250 7500	500	1000	1250	2500
Acetonitrile	TBAd10	Ave	34462 1576846	65082	125521	271359	521967	20.0 1500	50.0	100	250	500
Vinyl acetate	FB	Ave	70321 5147916	162208	335449	839598	1657836	4.00 300	10.0	20.0	50.0	100
Ethyl acetate	FB	Ave	33263 2628088	81689	174316	431151	849227	4.00 300	10.0	20.0	50.0	100
Isopropyl acetate	FB	Ave	68140 5043839	164450	335601	826413	1630296	4.00 300	10.0	20.0	50.0	100
n-Propyl acetate	FB	Ave	13049 991822	30074	65036	159317	322911	4.00 300	10.0	20.0	50.0	100
3,4-Dichloro-1-butene	CBZd5	Ave	27548 2136903	70257	140735	334775	686081	4.00 300	10.0	20.0	50.0	100
Butyl acetate	CBZd5	Ave	55976 4296636	135263	279883	699520	1399261	4.00 300	10.0	20.0	50.0	100
cis-1,4-Dichloro-2-butene	CBZd5	Ave	15296 1226350	39507	79989	192172	393373	4.00 300	10.0	20.0	50.0	100
Pentachloroethane	DCBd4	Ave	14420 1208298	37540	76613	182175	388725	4.00 300	10.0	20.0	50.0	100

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-164755-1 | Analy Batch No.: 484275

SDG No.:

Instrument ID: 15648 | GC Column: DB-624 20m | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2024 12:16 | Calibration End Date: 03/18/2024 13:56 | Calibration ID: 59724

Curve Type Legend:
Ave = Average ISTD

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-164755-1 | Analy Batch No.: 484275

SDG No.:

Instrument ID: 15648 | GC Column: DB-624 20m | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2024 12:16 | Calibration End Date: 03/18/2024 13:56 | Calibration ID: 59724

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-484275/3	EN18X03.D
Level 2	IC 410-484275/4	EN18X04.D
Level 3	IC 410-484275/5	EN18X05.D
Level 4	IC 410-484275/6	EN18X06.D
Level 5	IC 410-484275/7	EN18X07.D
Level 6	IC 410-484275/8	EN18X08.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Chlorotrifluoroethene	-7.2	-2.1	11.4	-1.5	1.1	-1.7	50	30	30	30	30	30
Chlorodifluoromethane	-7.0	5.5	4.8	-2.4	1.5	-2.2	50	30	30	30	30	30
Freon 133a	-7.7	8.6	9.9	-2.7	-2.7	-5.4	50	30	30	30	30	30
Ethanol	11.4	9.8	5.2	-5.9	-7.5	-13.0	50	30	30	30	30	30
Acetonitrile	27.8	1.6	0.1	-10.5	-8.8	-10.3	50	30	30	30	30	30
Vinyl acetate	0.1	-4.2	1.9	0.3	0.3	1.7	50	30	30	30	30	30
Ethyl acetate	-6.4	-4.6	4.8	1.9	1.6	2.7	50	30	30	30	30	30
Isopropyl acetate	-1.9	-1.8	3.2	-0.1	-0.2	0.8	50	30	30	30	30	30
n-Propyl acetate	-2.5	-6.8	3.8	0.0	2.6	2.9	50	30	30	30	30	30
3,4-Dichloro-1-butene	-4.5	0.3	4.4	-3.1	1.7	1.2	50	30	30	30	30	30
Butyl acetate	-3.6	-4.1	3.1	0.5	3.0	1.1	50	30	30	30	30	30
cis-1,4-Dichloro-2-butene	-6.6	-0.7	4.5	-2.1	2.6	2.3	50	30	30	30	30	30
Pentachloroethane	-8.6	-2.1	3.7	-3.5	4.9	5.7	50	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X03.D
Lims ID: IC sm v4
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 18-Mar-2024 12:16:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0108929-003
Misc. Info.: SM 4
Operator ID: jml01693 Instrument ID: 15648
Sublist: chrom-MSVoa_15648*sub42

Method: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2024 19:27:55 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: K4WN Date: 18-Mar-2024 16:39:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.086	1.086	0.000	97	18441	4.00	3.71	
3 Chlorodifluoromethane	51	1.110	1.116	-0.006	97	45147	4.00	3.72	M
7 2-Chloro-1,1,1-Trifluoroethane	118	1.299	1.299	0.000	37	27976	4.00	3.69	
13 Ethanol	45	1.701	1.695	0.006	95	22536	250.0	278.6	
24 Acetonitrile	41	2.146	2.140	0.006	94	34462	20.0	25.6	M
* 28 t-Butyl alcohol-d10 (IS)	65	2.274	2.268	0.006	98	247441	250.0	250.0	
35 Vinyl acetate	43	2.884	2.884	0.000	97	70321	4.00	4.00	
43 Ethyl acetate	43	3.451	3.433	0.018	96	33263	4.00	3.74	
58 Isopropyl acetate	43	4.292	4.292	0.000	98	68140	4.00	3.92	
* 60 Fluorobenzene (IS)	96	4.469	4.469	0.000	98	1147956	50.0	50.0	
70 n-Propyl acetate	61	5.280	5.280	0.000	99	13049	4.00	3.90	
85 3,4-Dichloro-1-butene	75	6.841	6.841	0.000	87	27548	4.00	3.82	
88 n-Butyl acetate	43	7.090	7.091	-0.001	96	55976	4.00	3.86	
* 90 Chlorobenzene-d5 (IS)	117	7.639	7.639	0.000	90	838013	50.0	50.0	
102 cis-1,4-Dichloro-2-butene	88	8.639	8.639	0.000	90	15296	4.00	3.74	
114 Pentachloroethane	167	9.316	9.316	0.000	89	14420	4.00	3.65	
* 119 1,4-Dichlorobenzene-d4	152	9.590	9.596	-0.006	97	464921	50.0	50.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00034	Amount Added:	4.00	Units: uL
MSV_CCV_LKB_00009	Amount Added:	4.00	Units: uL
MSV_V_SMFreon_00036	Amount Added:	2.00	Units: uL
MSV_Cent_ISO_00004	Amount Added:	5.00	Units: uL
MSV_CCV_Penta_00046	Amount Added:	4.00	Units: uL
MSV_CCV_ETOH_00005	Amount Added:	20.00	Units: uL

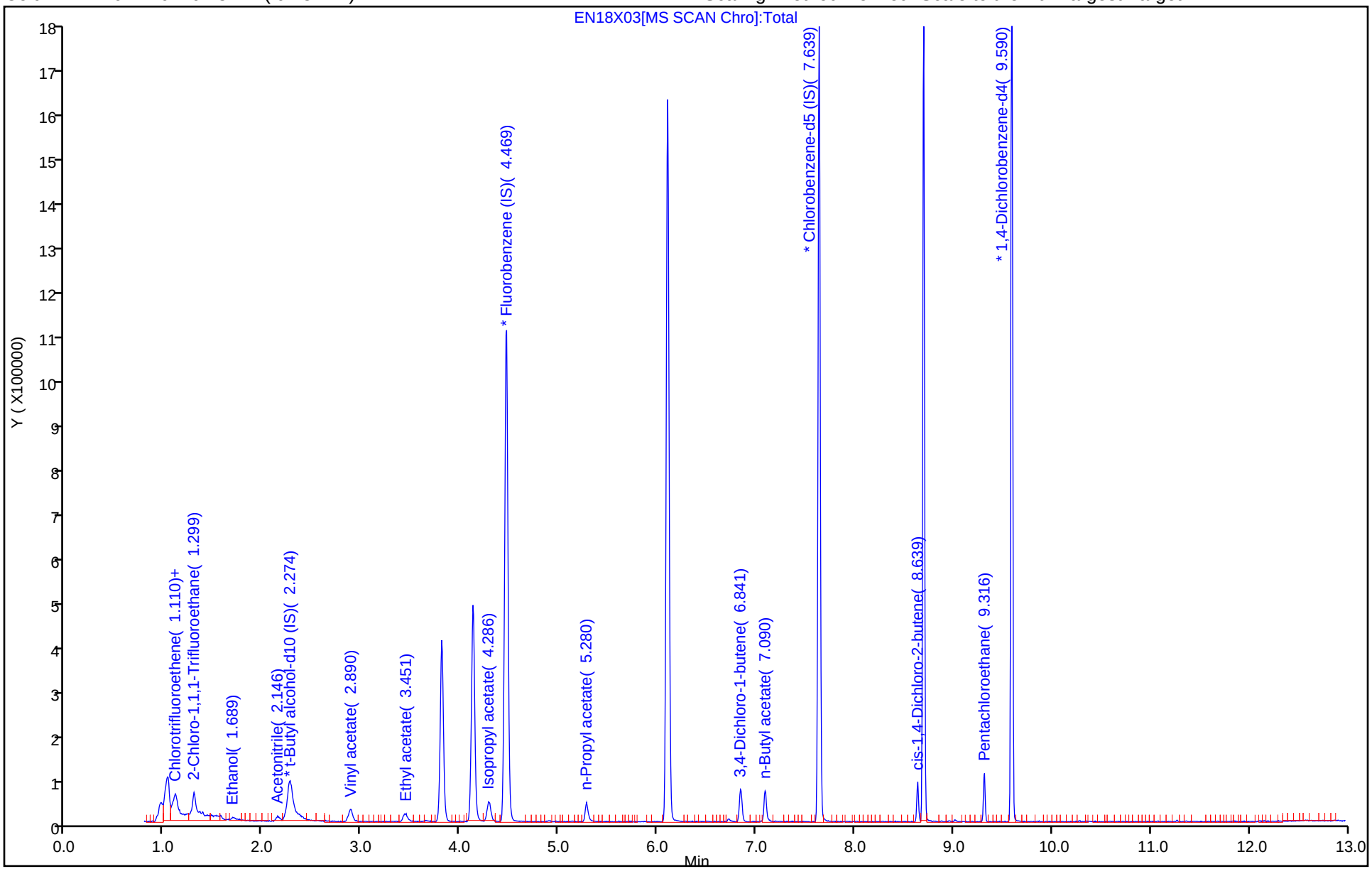
Report Date: 18-Mar-2024 19:27:55 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X03.D

Injection Date:	18-Mar-2024 12:16:30	Instrument ID:	15648	Operator ID:	jml01693
Lims ID:	IC sm v4			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		

Column: DB-624 20m 0.18mm (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

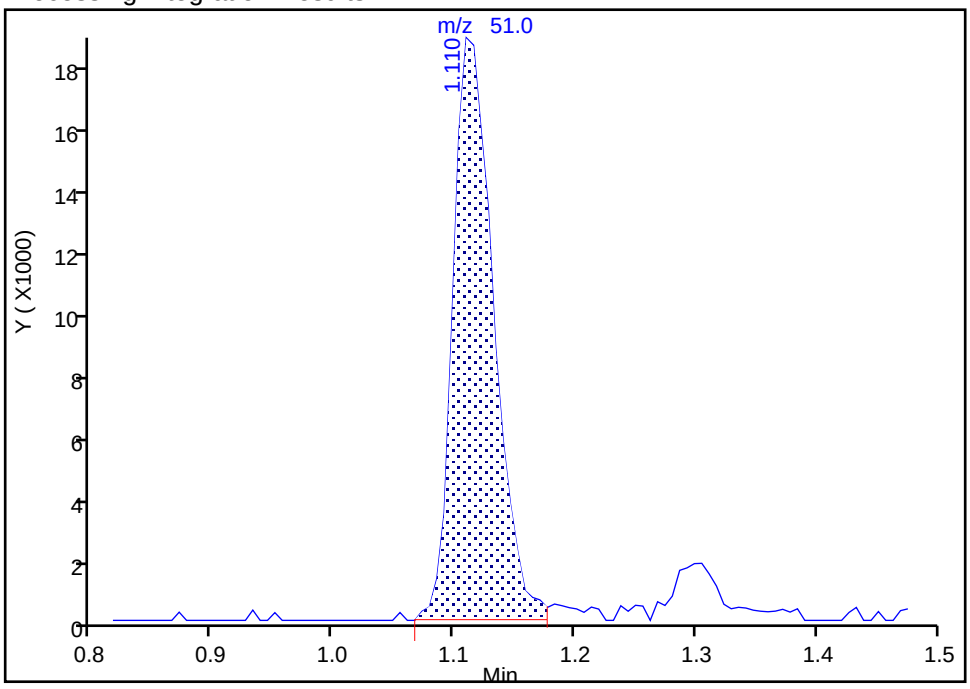
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X03.D				
Injection Date:	18-Mar-2024 12:16:30	Instrument ID:	15648		
Lims ID:	IC sm v4				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	3	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

3 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

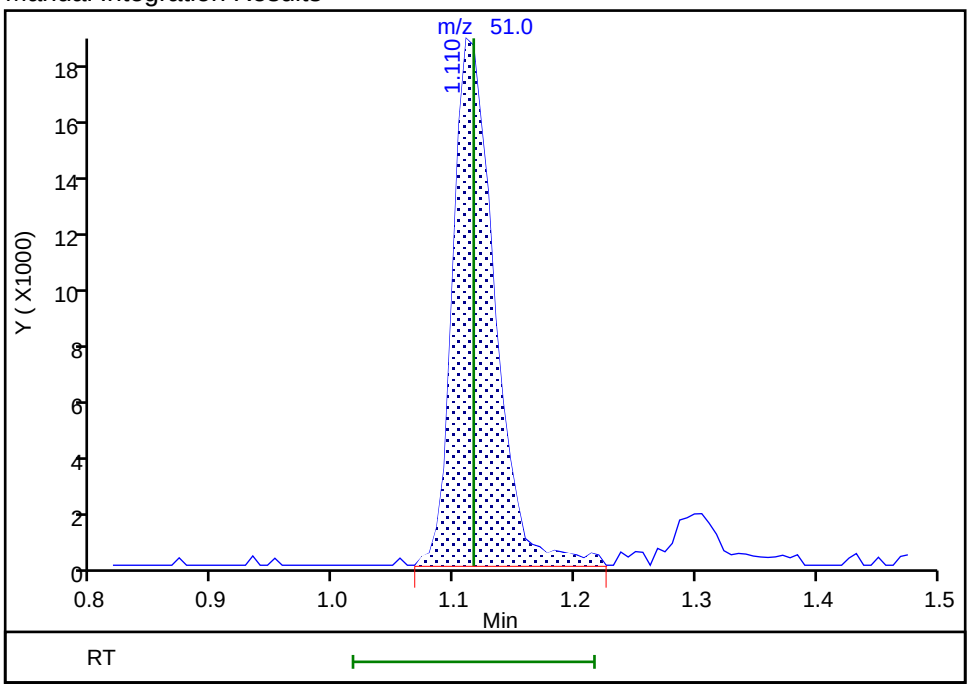
Processing Integration Results

RT: 1.11
Area: 44111
Amount: 3.647880
Amount Units: ug/l



Manual Integration Results

RT: 1.11
Area: 45147
Amount: 3.720274
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 16:41:43 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

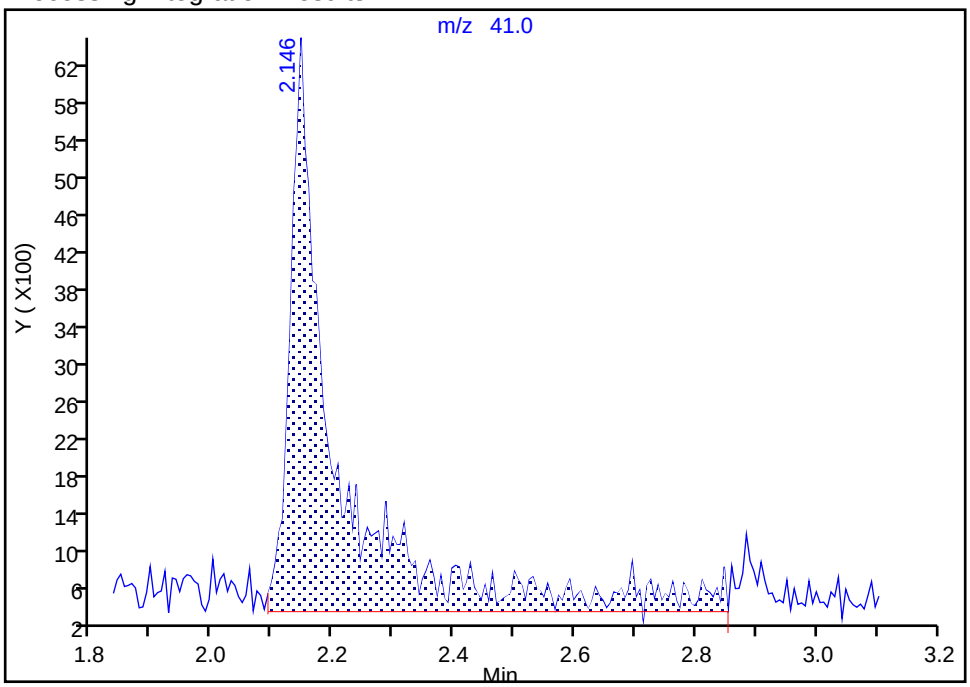
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X03.D				
Injection Date:	18-Mar-2024 12:16:30	Instrument ID:	15648		
Lims ID:	IC sm v4				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	3	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

24 Acetonitrile, CAS: 75-05-8

Signal: 1

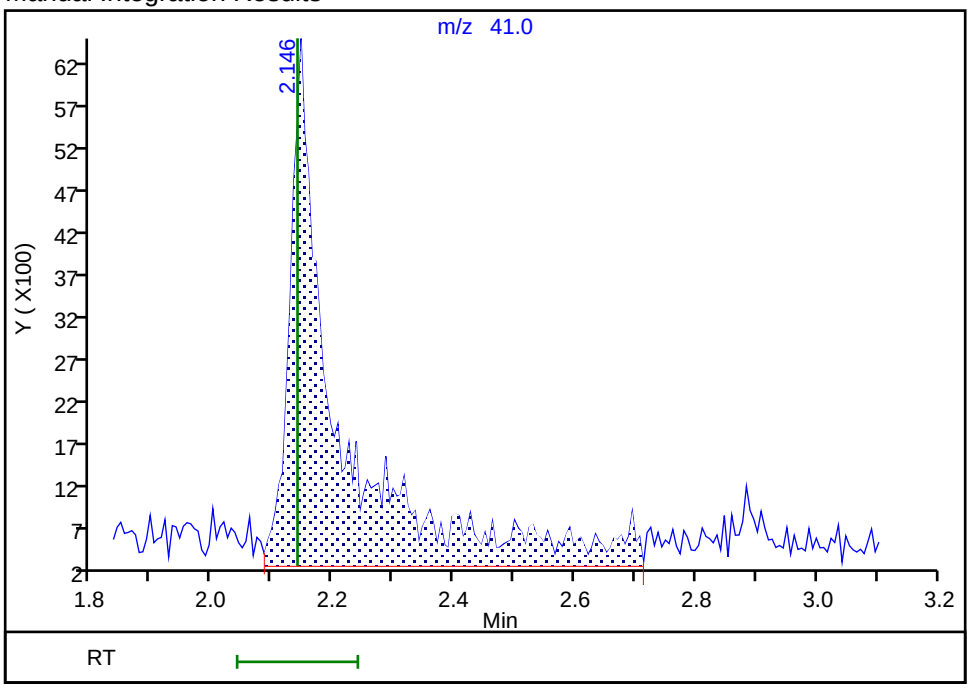
Processing Integration Results

RT: 2.15
Area: 32291
Amount: 24.965592
Amount Units: ug/l



Manual Integration Results

RT: 2.15
Area: 34462
Amount: 25.568038
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 16:46:10 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X04.D
Lims ID: IC sm v10
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 18-Mar-2024 12:36:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0108929-004
Misc. Info.: SM 10
Operator ID: jml01693 Instrument ID: 15648
Sublist: chrom-MSVoa_15648*sub42

Method: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2024 19:27:57 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: K4WN Date: 18-Mar-2024 16:42:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.073	1.086	-0.013	97	46893	10.0	9.79	
3 Chlorodifluoromethane	51	1.104	1.116	-0.012	97	121631	10.0	10.5	
7 2-Chloro-1,1,1-Trifluoroethane	118	1.293	1.299	-0.006	37	79378	10.0	10.9	
13 Ethanol	45	1.695	1.695	0.000	98	42207	500.0	548.9	
24 Acetonitrile	41	2.134	2.140	-0.006	99	65082	50.0	50.8	M
* 28 t-Butyl alcohol-d10 (IS)	65	2.262	2.268	-0.006	98	235162	250.0	250.0	
35 Vinyl acetate	43	2.878	2.884	-0.006	98	162208	10.0	9.58	
43 Ethyl acetate	43	3.426	3.433	-0.007	99	81689	10.0	9.54	
58 Isopropyl acetate	43	4.286	4.292	-0.006	98	164450	10.0	9.82	
* 60 Fluorobenzene (IS)	96	4.463	4.469	-0.006	97	1106745	50.0	50.0	
70 n-Propyl acetate	61	5.274	5.280	-0.006	99	30074	10.0	9.32	
85 3,4-Dichloro-1-butene	75	6.840	6.841	-0.001	87	70257	10.0	10.0	
88 n-Butyl acetate	43	7.090	7.091	-0.001	97	135263	10.0	9.59	
* 90 Chlorobenzene-d5 (IS)	117	7.639	7.639	0.000	90	814340	50.0	50.0	
102 cis-1,4-Dichloro-2-butene	88	8.639	8.639	0.000	91	39507	10.0	9.93	
114 Pentachloroethane	167	9.316	9.316	0.000	90	37540	10.0	9.79	
* 119 1,4-Dichlorobenzene-d4	152	9.590	9.596	-0.006	97	451759	50.0	50.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00034	Amount Added:	2.00	Units: uL
MSV_CCV_LKB_00009	Amount Added:	2.00	Units: uL
MSV_V_SMFreon_00036	Amount Added:	1.00	Units: uL
MSV_Cent_ISO_00004	Amount Added:	5.00	Units: uL
MSV_CCV_Penta_00046	Amount Added:	2.00	Units: uL
MSV_CCV_ETOH_00005	Amount Added:	8.00	Units: uL

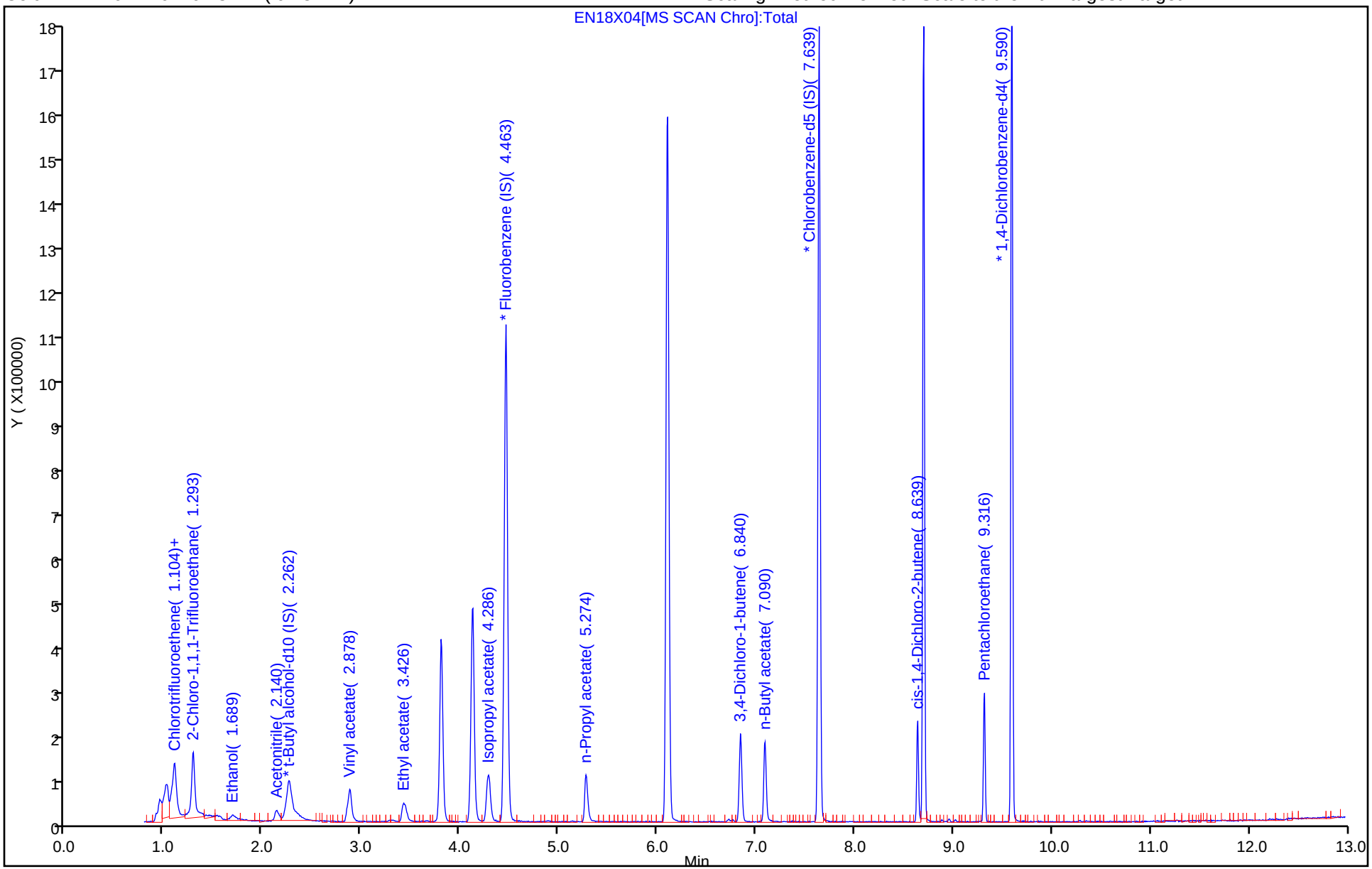
Report Date: 18-Mar-2024 19:27:57 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X04.D

Injection Date:	18-Mar-2024 12:36:30	Instrument ID:	15648	Operator ID:	jml01693
Lims ID:	IC sm v10			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		

Column: DB-624 20m 0.18mm (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

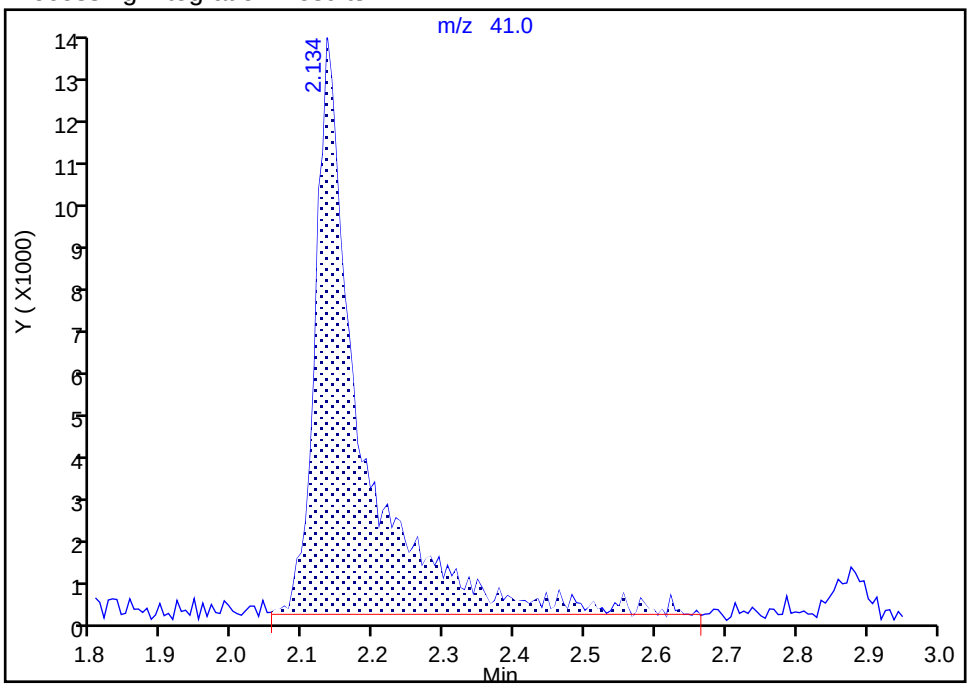
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X04.D				
Injection Date:	18-Mar-2024 12:36:30	Instrument ID:	15648		
Lims ID:	IC sm v10				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

24 Acetonitrile, CAS: 75-05-8

Signal: 1

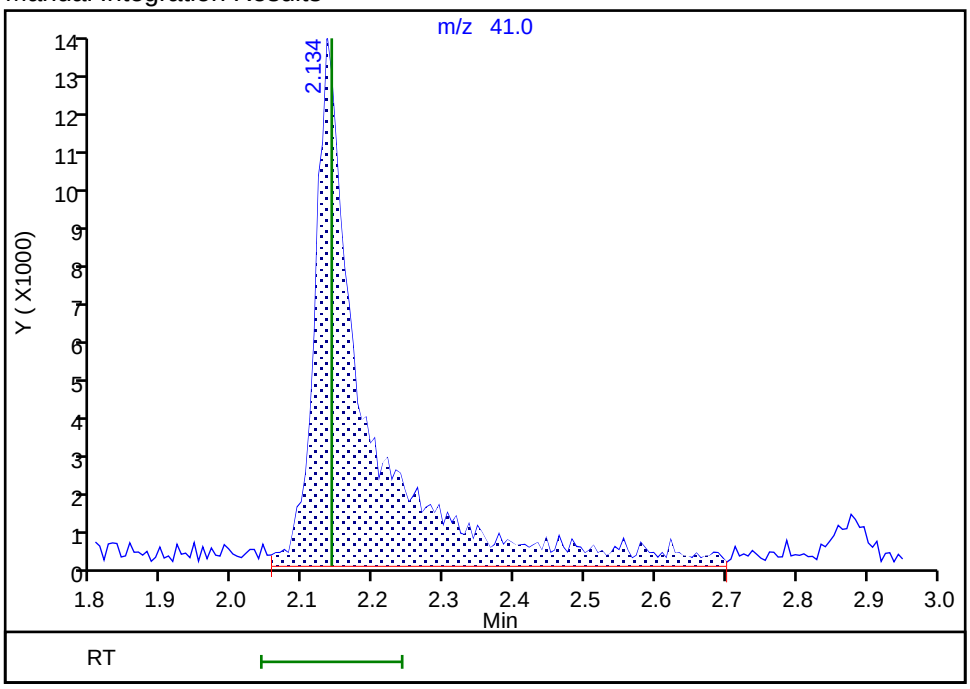
Processing Integration Results

RT: 2.13
Area: 57867
Amount: 45.691123
Amount Units: ug/l



Manual Integration Results

RT: 2.13
Area: 65082
Amount: 50.806858
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 16:42:47 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X05.D
Lims ID: IC sm v20
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 18-Mar-2024 12:56:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0108929-005
Misc. Info.: SM 20
Operator ID: jml01693 Instrument ID: 15648
Sublist: chrom-MSVoa_15648*sub42

Method: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2024 19:27:59 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: K4WN Date: 18-Mar-2024 16:43:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.079	1.079	0.000	96	103665	20.0	22.3	
3 Chlorodifluoromethane	51	1.104	1.104	0.000	97	236444	20.0	21.0	
7 2-Chloro-1,1,1-Trifluoroethane	118	1.293	1.293	0.000	41	156025	20.0	22.0	
13 Ethanol	45	1.689	1.689	0.000	100	79127	999.9	1051.7	M
24 Acetonitrile	41	2.134	2.134	0.000	99	125521	100.0	100.1	M
* 28 t-Butyl alcohol-d10 (IS)	65	2.268	2.268	0.000	98	230097	250.0	250.0	
35 Vinyl acetate	43	2.878	2.878	0.000	98	335449	20.0	20.4	
43 Ethyl acetate	43	3.433	3.433	0.000	100	174316	20.0	21.0	
58 Isopropyl acetate	43	4.286	4.286	0.000	98	335601	20.0	20.6	
* 60 Fluorobenzene (IS)	96	4.463	4.463	0.000	98	1075213	50.0	50.0	
70 n-Propyl acetate	61	5.274	5.274	0.000	99	65036	20.0	20.8	
85 3,4-Dichloro-1-butene	75	6.840	6.840	0.000	87	140735	20.0	20.9	
88 n-Butyl acetate	43	7.090	7.090	0.000	97	279883	20.0	20.6	
* 90 Chlorobenzene-d5 (IS)	117	7.639	7.639	0.000	90	783390	50.0	50.0	
102 cis-1,4-Dichloro-2-butene	88	8.639	8.639	0.000	91	79989	20.0	20.9	
114 Pentachloroethane	167	9.316	9.316	0.000	90	76613	20.0	20.7	
* 119 1,4-Dichlorobenzene-d4	152	9.590	9.590	0.000	97	435177	50.0	50.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00034	Amount Added:	4.00	Units: uL
MSV_CCV_LKB_00009	Amount Added:	4.00	Units: uL
MSV_V_SMFreon_00036	Amount Added:	2.00	Units: uL
MSV_Cent_ISO_00004	Amount Added:	5.00	Units: uL
MSV_CCV_Penta_00046	Amount Added:	4.00	Units: uL
MSV_CCV_ETOH_00005	Amount Added:	16.00	Units: uL

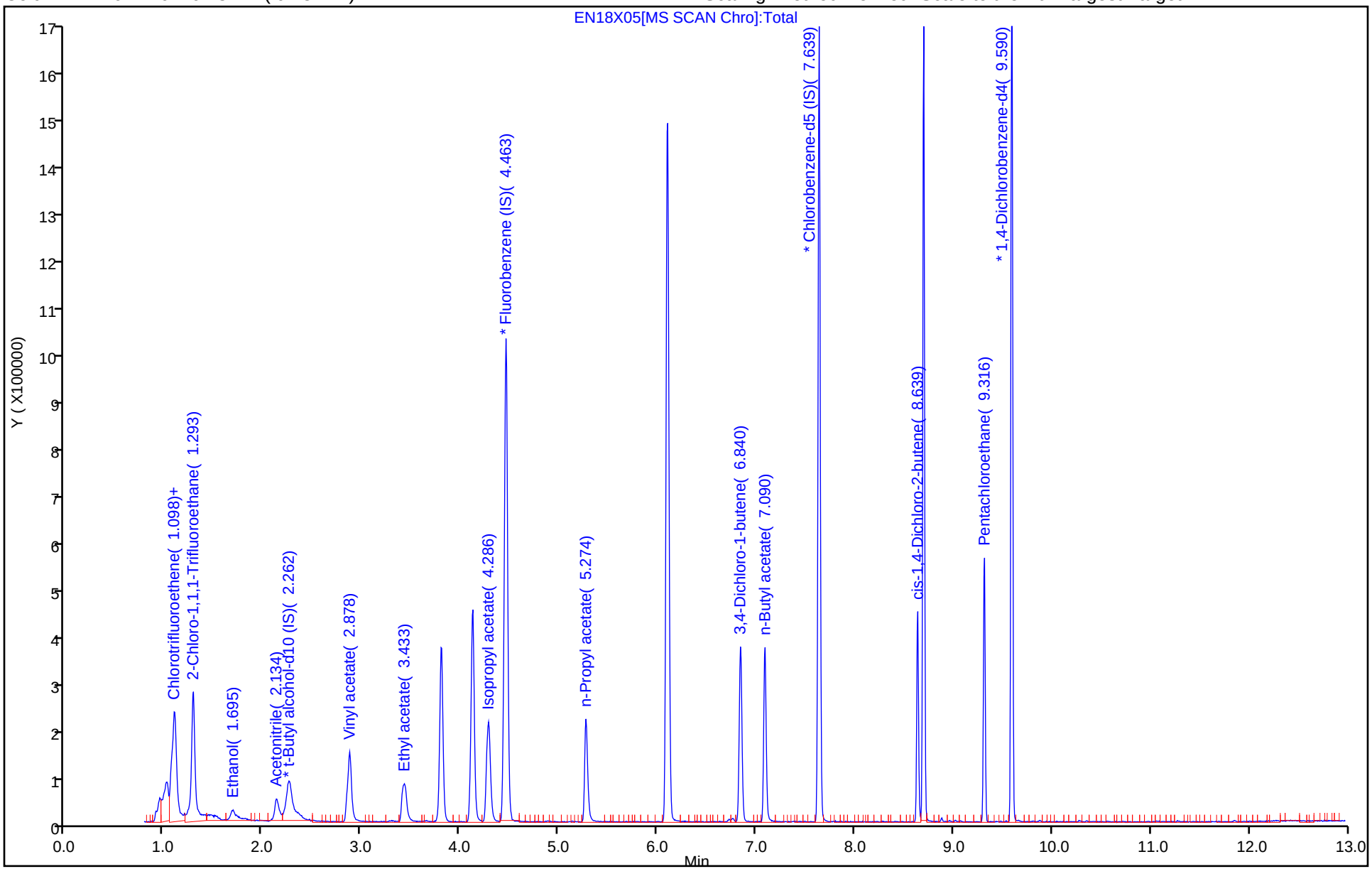
Report Date: 18-Mar-2024 19:27:59 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X05.D

Injection Date:	18-Mar-2024 12:56:30	Instrument ID:	15648	Operator ID:	jml01693
Lims ID:	IC sm v20			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		

Column: DB-624 20m 0.18mm (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

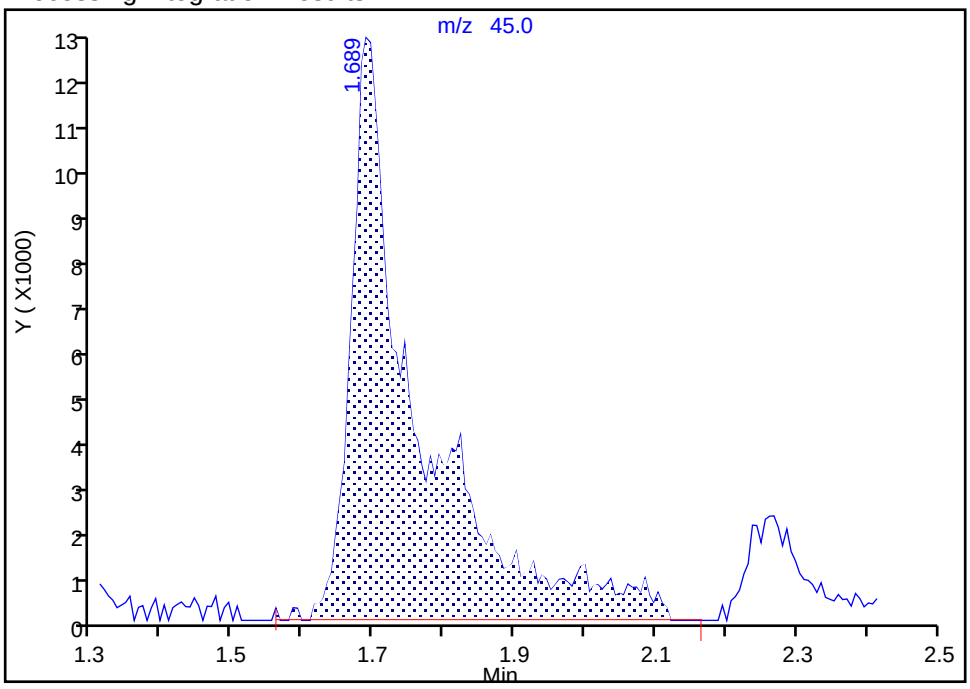
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X05.D				
Injection Date:	18-Mar-2024 12:56:30	Instrument ID:	15648		
Lims ID:	IC sm v20				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	5	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

13 Ethanol, CAS: 64-17-5

Signal: 1

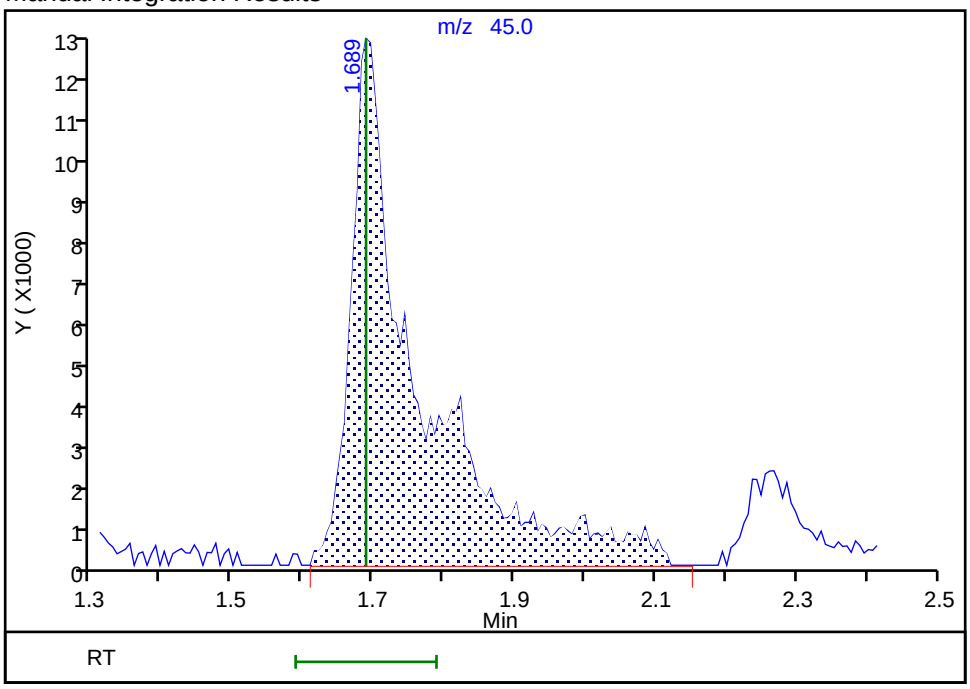
Processing Integration Results

RT: 1.69
Area: 79406
Amount: 1054.5339
Amount Units: ug/l



Manual Integration Results

RT: 1.69
Area: 79127
Amount: 1051.7488
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 16:43:06 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

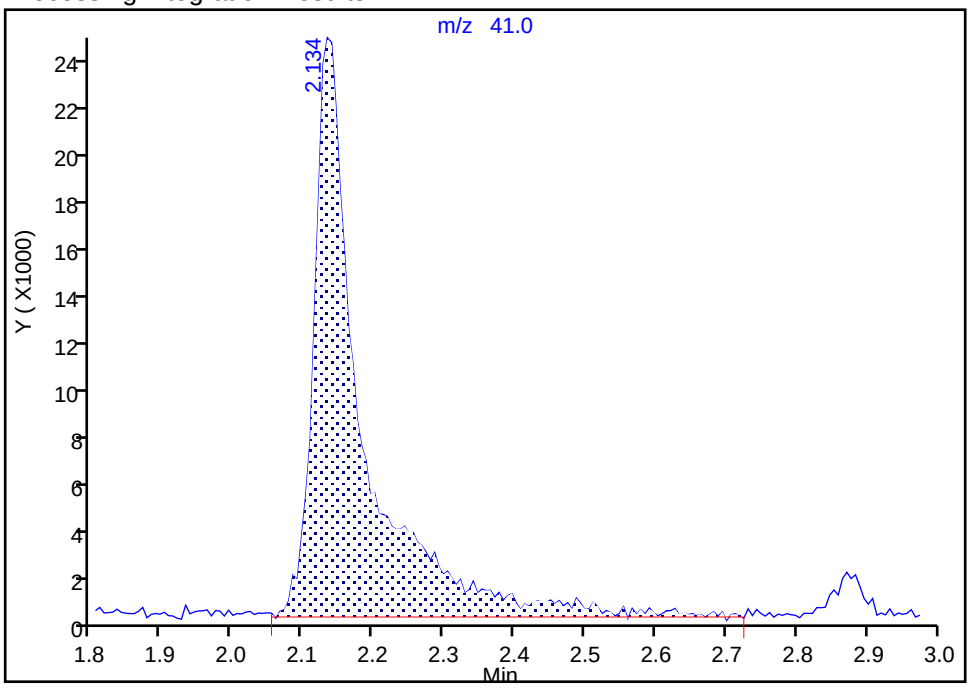
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X05.D				
Injection Date:	18-Mar-2024 12:56:30	Instrument ID:	15648		
Lims ID:	IC sm v20				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	5	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

24 Acetonitrile, CAS: 75-05-8

Signal: 1

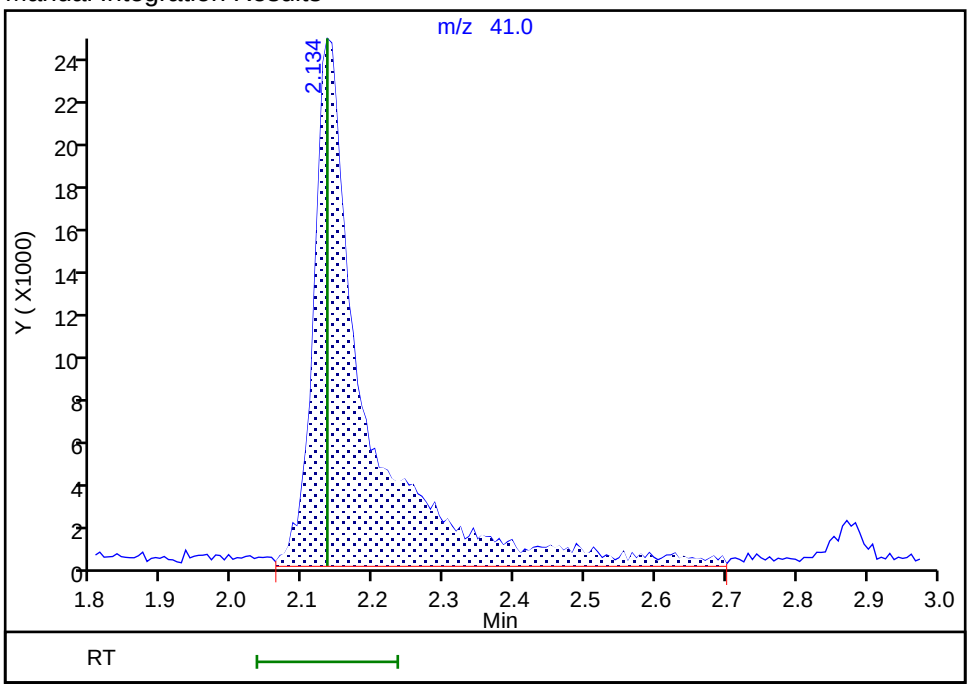
Processing Integration Results

RT: 2.13
Area: 119637
Amount: 94.744239
Amount Units: ug/l



Manual Integration Results

RT: 2.13
Area: 125521
Amount: 100.1461
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 16:43:22 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X06.D
Lims ID: IC sm v50
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 18-Mar-2024 13:16:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0108929-006
Misc. Info.: SM 50
Operator ID: jml01693 Instrument ID: 15648
Sublist: chrom-MSVoa_15648*sub42

Method: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2024 19:28:01 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: K4WN Date: 18-Mar-2024 16:40:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.086	1.086	0.000	97	233000	50.0	49.2	
3 Chlorodifluoromethane	51	1.116	1.116	0.000	97	532418	50.0	48.8	
7 2-Chloro-1,1,1-Trifluoroethane	118	1.299	1.299	0.000	40	351291	50.0	48.7	
13 Ethanol	45	1.695	1.695	0.000	98	85554	1249.9	1175.7	M
24 Acetonitrile	41	2.140	2.140	0.000	99	271359	250.0	223.8	M
* 28 t-Butyl alcohol-d10 (IS)	65	2.268	2.268	0.000	98	222565	250.0	250.0	
35 Vinyl acetate	43	2.884	2.884	0.000	98	839598	50.0	50.2	
43 Ethyl acetate	43	3.433	3.433	0.000	100	431151	50.0	51.0	
58 Isopropyl acetate	43	4.292	4.292	0.000	98	826413	50.0	50.0	
* 60 Fluorobenzene (IS)	96	4.469	4.469	0.000	98	1093550	50.0	50.0	
70 n-Propyl acetate	61	5.280	5.280	0.000	99	159317	50.0	50.0	
85 3,4-Dichloro-1-butene	75	6.841	6.841	0.000	87	334775	50.0	48.5	
88 n-Butyl acetate	43	7.091	7.091	0.000	97	699520	50.0	50.3	
* 90 Chlorobenzene-d5 (IS)	117	7.639	7.639	0.000	90	803462	50.0	50.0	
102 cis-1,4-Dichloro-2-butene	88	8.639	8.639	0.000	92	192172	50.0	49.0	
114 Pentachloroethane	167	9.316	9.316	0.000	91	182175	50.0	48.2	
* 119 1,4-Dichlorobenzene-d4	152	9.596	9.596	0.000	97	445086	50.0	50.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00034	Amount Added:	5.00	Units: uL
MSV_CCV_LKB_00009	Amount Added:	5.00	Units: uL
MSV_V_SMFreon_00036	Amount Added:	2.50	Units: uL
MSV_Cent_ISO_00004	Amount Added:	5.00	Units: uL
MSV_CCV_Penta_00046	Amount Added:	5.00	Units: uL
MSV_CCV_ETOH_00005	Amount Added:	10.00	Units: uL

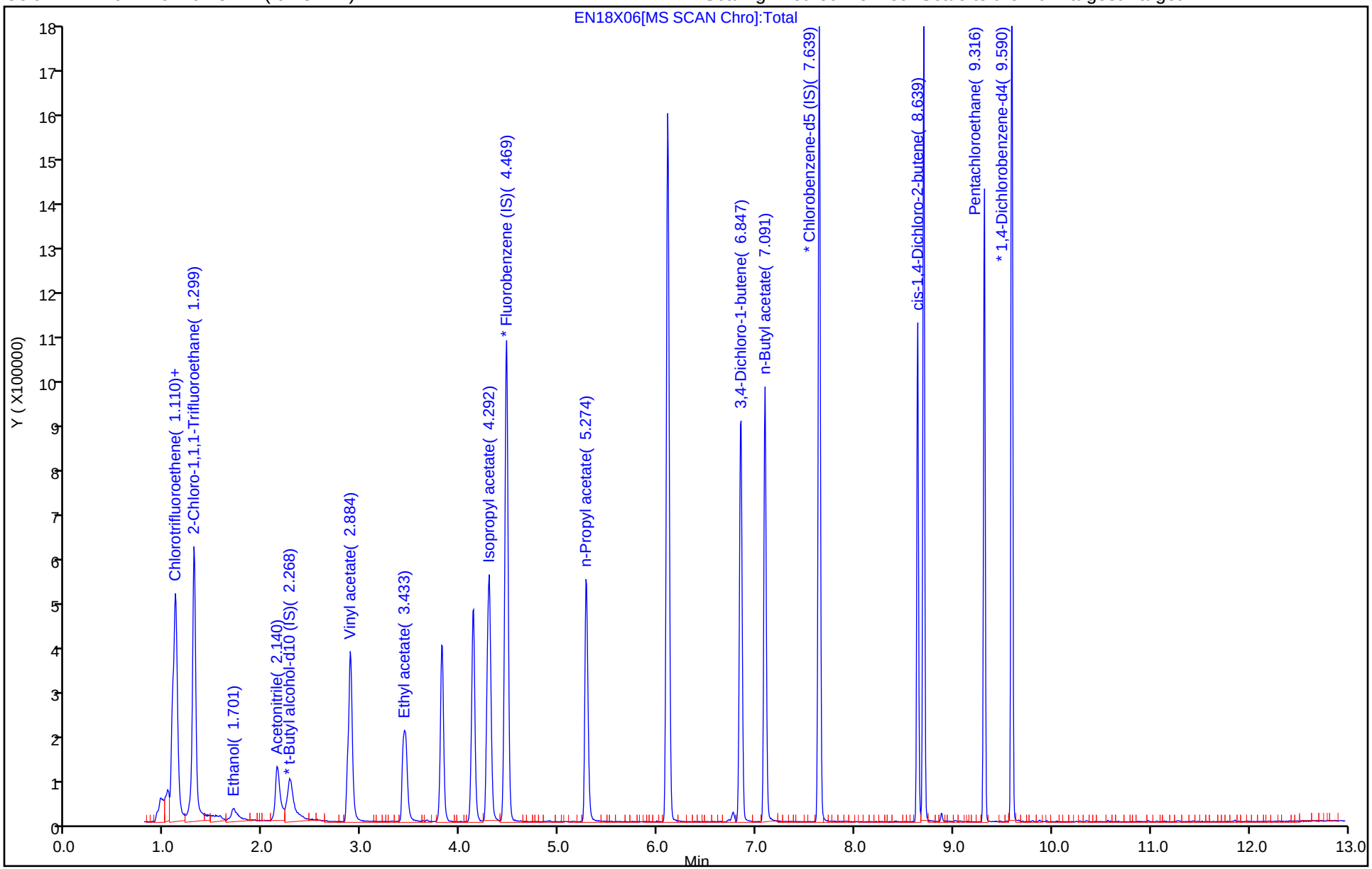
Report Date: 18-Mar-2024 19:28:01 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X06.D

Injection Date:	18-Mar-2024 13:16:30	Instrument ID:	15648	Operator ID:	jml01693
Lims ID:	IC sm v50			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		

Column: DB-624 20m 0.18mm (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

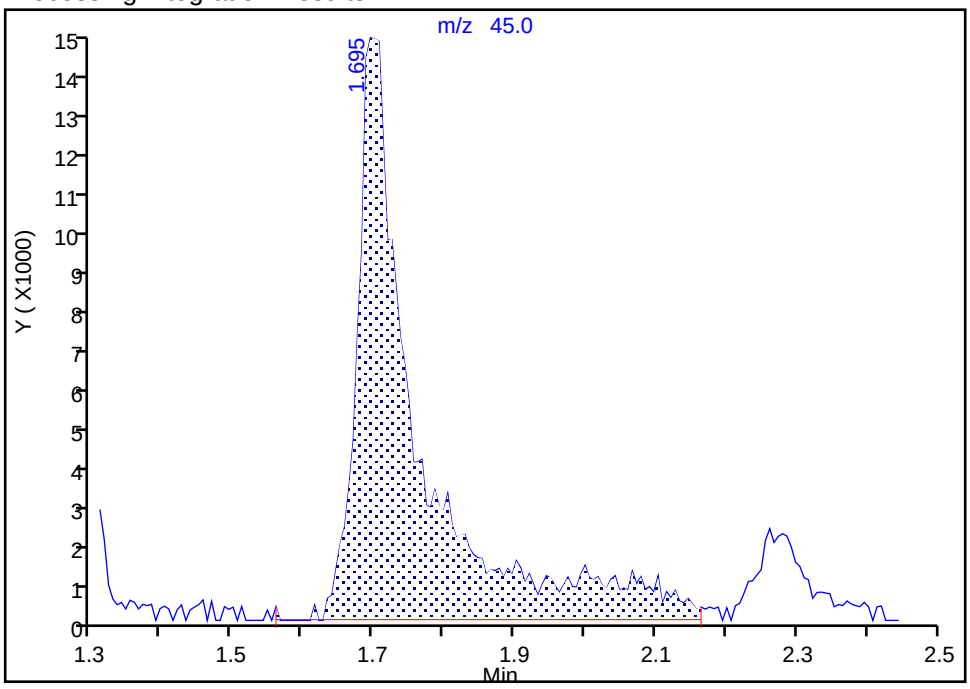
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X06.D				
Injection Date:	18-Mar-2024 13:16:30	Instrument ID:	15648		
Lims ID:	IC sm v50				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

13 Ethanol, CAS: 64-17-5

Signal: 1

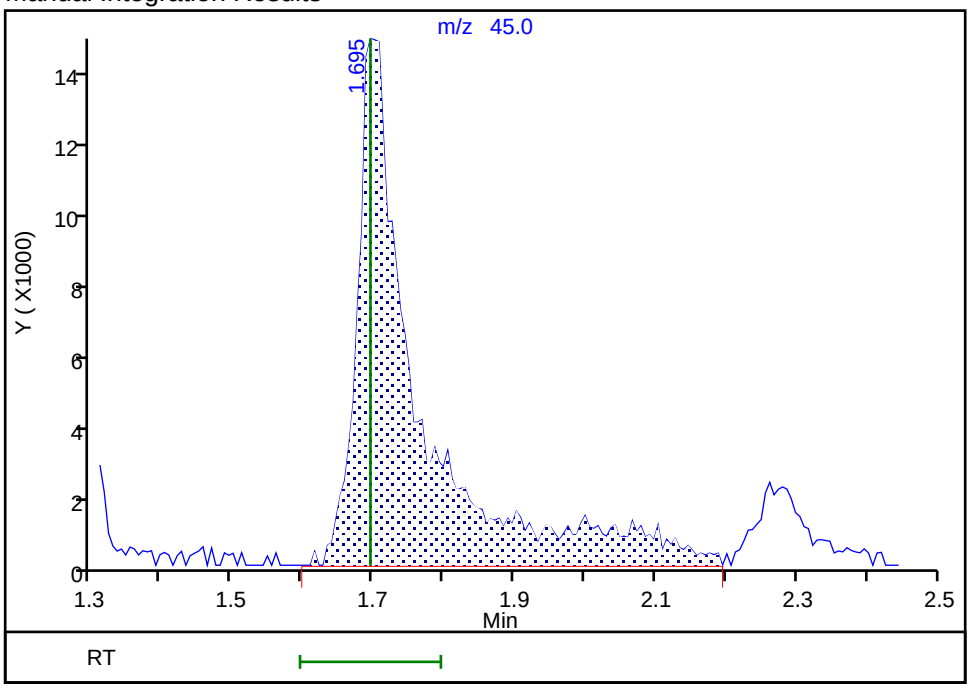
Processing Integration Results

RT: 1.70
Area: 85233
Amount: 1170.9123
Amount Units: ug/l



Manual Integration Results

RT: 1.70
Area: 85554
Amount: 1175.6600
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 16:40:04 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

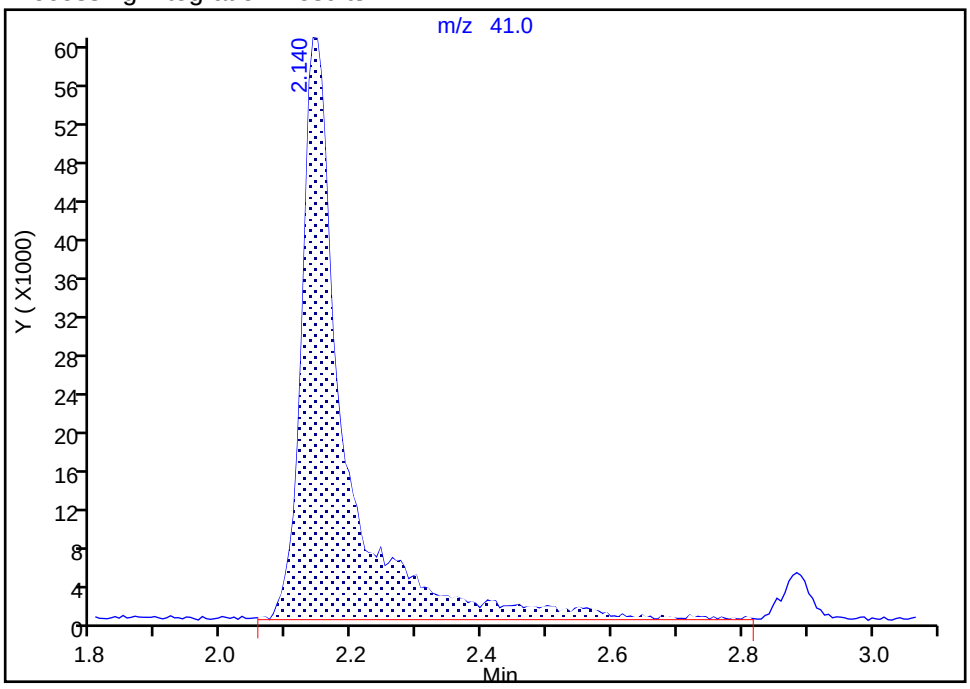
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X06.D				
Injection Date:	18-Mar-2024 13:16:30	Instrument ID:	15648		
Lims ID:	IC sm v50				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

24 Acetonitrile, CAS: 75-05-8

Signal: 1

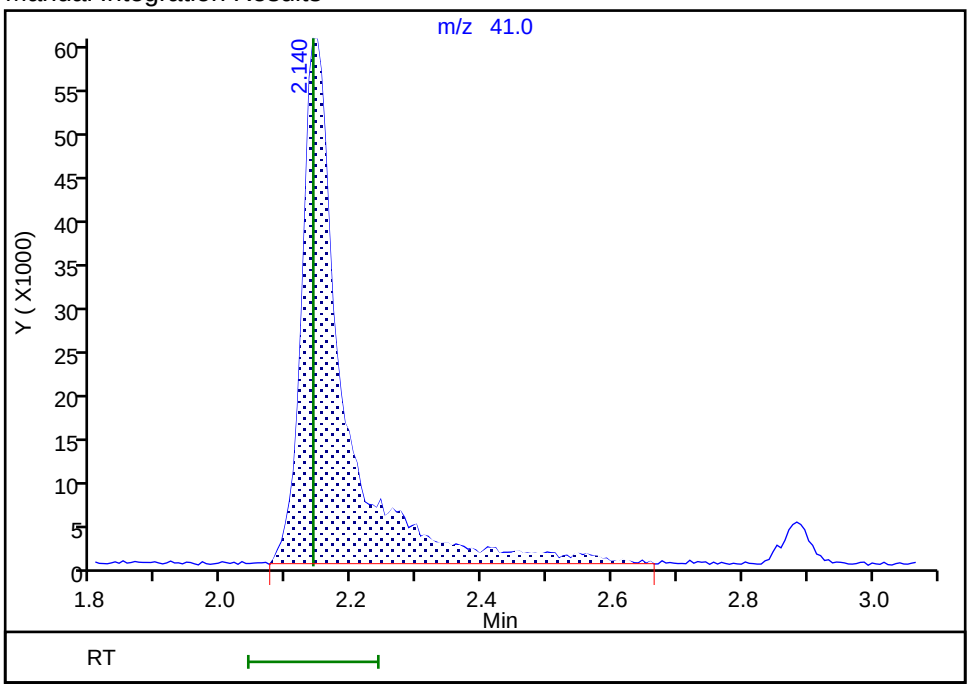
Processing Integration Results

RT: 2.14
Area: 268213
Amount: 233.5642
Amount Units: ug/l



Manual Integration Results

RT: 2.14
Area: 271359
Amount: 223.8288
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 16:40:23 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X07.D
Lims ID: IC sm v100
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 18-Mar-2024 13:36:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0108929-007
Misc. Info.: SM 100
Operator ID: jml01693 Instrument ID: 15648
Sublist: chrom-MSVoa_15648*sub42

Method: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2024 19:28:04 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: K4WN Date: 18-Mar-2024 16:44:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.079	1.086	-0.007	96	472842	100.0	101.1	
3 Chlorodifluoromethane	51	1.104	1.116	-0.012	97	1046047	100.0	101.5	
7 2-Chloro-1,1,1-Trifluoroethane	118	1.293	1.299	-0.006	37	693927	100.0	97.3	
13 Ethanol	45	1.689	1.695	-0.006	99	158999	2499.8	2313.3	
24 Acetonitrile	41	2.134	2.140	-0.006	99	521967	500.0	455.8	
* 28 t-Butyl alcohol-d10 (IS)	65	2.268	2.268	0.000	98	210216	250.0	250.0	
35 Vinyl acetate	43	2.878	2.884	-0.006	98	1657836	100.0	100.3	
43 Ethyl acetate	43	3.433	3.433	0.000	100	849227	100.0	101.6	
58 Isopropyl acetate	43	4.286	4.292	-0.006	98	1630296	100.0	99.8	
* 60 Fluorobenzene (IS)	96	4.463	4.469	-0.006	99	1080219	50.0	50.0	
70 n-Propyl acetate	61	5.274	5.280	-0.006	99	322911	100.0	102.6	
85 3,4-Dichloro-1-butene	75	6.840	6.841	-0.001	87	686081	100.1	101.7	
88 n-Butyl acetate	43	7.090	7.091	-0.001	97	1399261	100.0	103.0	
* 90 Chlorobenzene-d5 (IS)	117	7.639	7.639	0.000	90	784302	50.0	50.0	
102 cis-1,4-Dichloro-2-butene	88	8.639	8.639	0.000	93	393373	100.0	102.7	
114 Pentachloroethane	167	9.316	9.316	0.000	91	388725	100.0	104.9	
* 119 1,4-Dichlorobenzene-d4	152	9.596	9.596	0.000	97	436817	50.0	50.0	

QC Flag Legend
Processing Flags

Reagents:

MSV_CCV_V5ACE_00034	Amount Added:	5.00	Units: uL
MSV_CCV_LKB_00009	Amount Added:	5.00	Units: uL
MSV_V_SMFreon_00036	Amount Added:	2.50	Units: uL
MSV_Cent_ISO_00004	Amount Added:	5.00	Units: uL
MSV_CCV_Penta_00046	Amount Added:	5.00	Units: uL
MSV_CCV_ETOH_00005	Amount Added:	10.00	Units: uL

Report Date: 18-Mar-2024 19:28:04 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X07.D

Injection Date: 18-Mar-2024 13:36:30 Instrument ID: 15648 Operator ID: jml01693

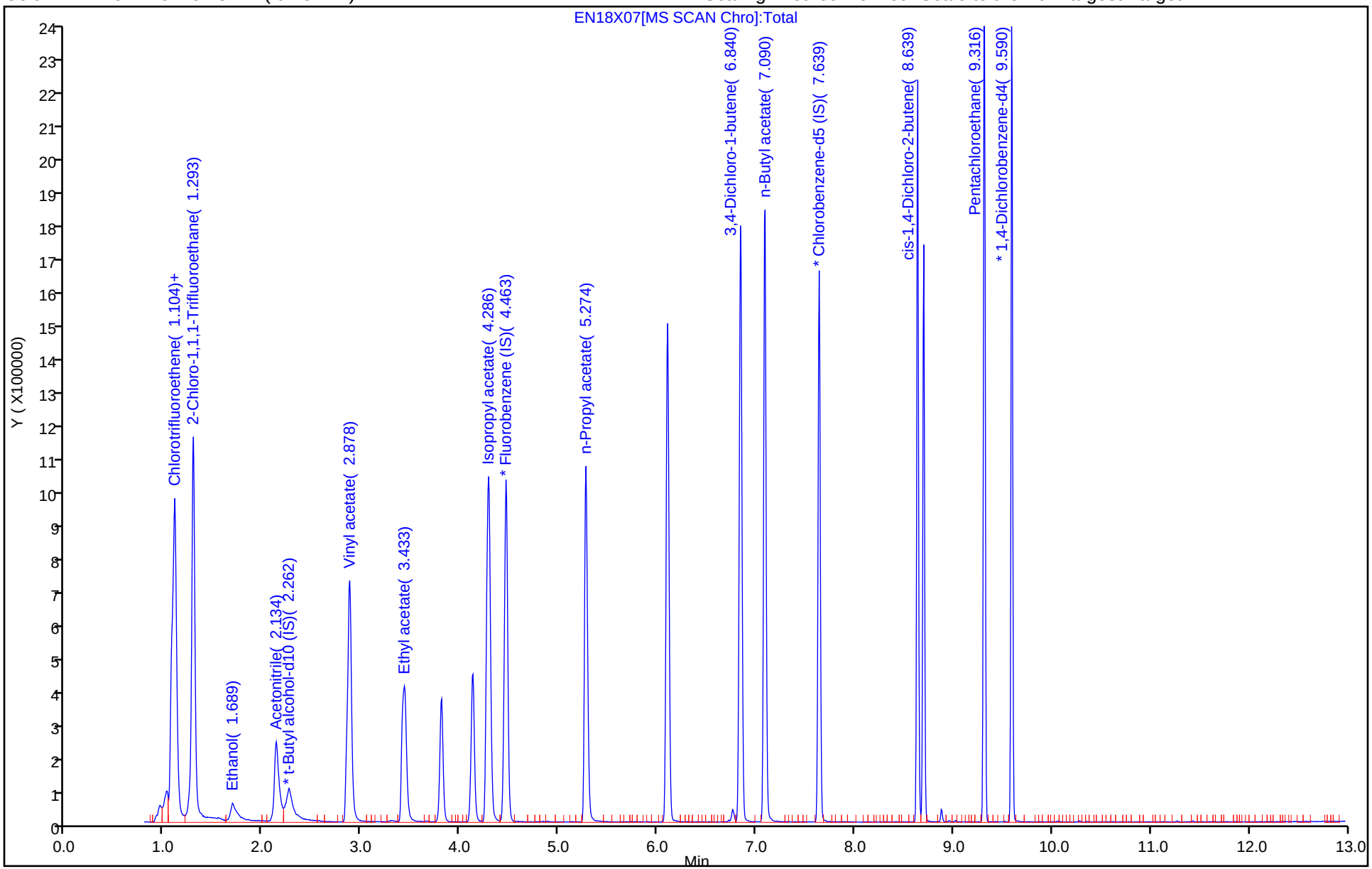
Lims ID: IC sm v100 Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 7

Method: MSVoa_15648 Limit Group: MSV - 8260C_D

Column: DB-624 20m 0.18mm (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X08.D
Lims ID: IC sm v300
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 18-Mar-2024 13:56:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0108929-008
Misc. Info.: SM 300
Operator ID: jml01693 Instrument ID: 15648
Sublist: chrom-MSVoa_15648*sub42

Method: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2024 19:28:05 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: K4WN Date: 18-Mar-2024 16:45:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.086	1.086	0.000	97	1406631	300.0	294.9	
3 Chlorodifluoromethane	51	1.116	1.116	0.000	97	3094293	300.0	293.3	
7 2-Chloro-1,1,1-Trifluoroethane	118	1.299	1.299	0.000	37	2066146	300.0	283.9	
13 Ethanol	45	1.695	1.695	0.000	99	458980	7499.5	6524.8	M
24 Acetonitrile	41	2.140	2.140	0.000	99	1576846	1500.0	1345.5	M
* 28 t-Butyl alcohol-d10 (IS)	65	2.274	2.268	0.006	97	215142	250.0	250.0	
35 Vinyl acetate	43	2.884	2.884	0.000	98	5147916	300.0	305.1	
43 Ethyl acetate	43	3.439	3.433	0.006	100	2628088	300.0	308.1	
58 Isopropyl acetate	43	4.292	4.292	0.000	98	5043839	300.0	302.5	
* 60 Fluorobenzene (IS)	96	4.469	4.469	0.000	98	1102334	50.0	50.0	
70 n-Propyl acetate	61	5.274	5.280	-0.006	99	991822	300.0	308.7	
85 3,4-Dichloro-1-butene	75	6.847	6.841	0.006	88	2136903	300.2	303.9	
88 n-Butyl acetate	43	7.091	7.091	0.000	97	4296636	300.0	303.3	
* 90 Chlorobenzene-d5 (IS)	117	7.639	7.639	0.000	89	817817	50.0	50.0	
102 cis-1,4-Dichloro-2-butene	88	8.639	8.639	0.000	93	1226350	300.1	307.0	
114 Pentachloroethane	167	9.316	9.316	0.000	92	1208298	300.0	317.0	
* 119 1,4-Dichlorobenzene-d4	152	9.596	9.596	0.000	97	449100	50.0	50.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00034	Amount Added:	15.00	Units: uL
MSV_CCV_LKB_00009	Amount Added:	15.00	Units: uL
MSV_V_SMFreon_00036	Amount Added:	7.50	Units: uL
MSV_Cent_ISO_00004	Amount Added:	5.00	Units: uL
MSV_CCV_Penta_00046	Amount Added:	15.00	Units: uL
MSV_CCV_ETOH_00005	Amount Added:	30.00	Units: uL

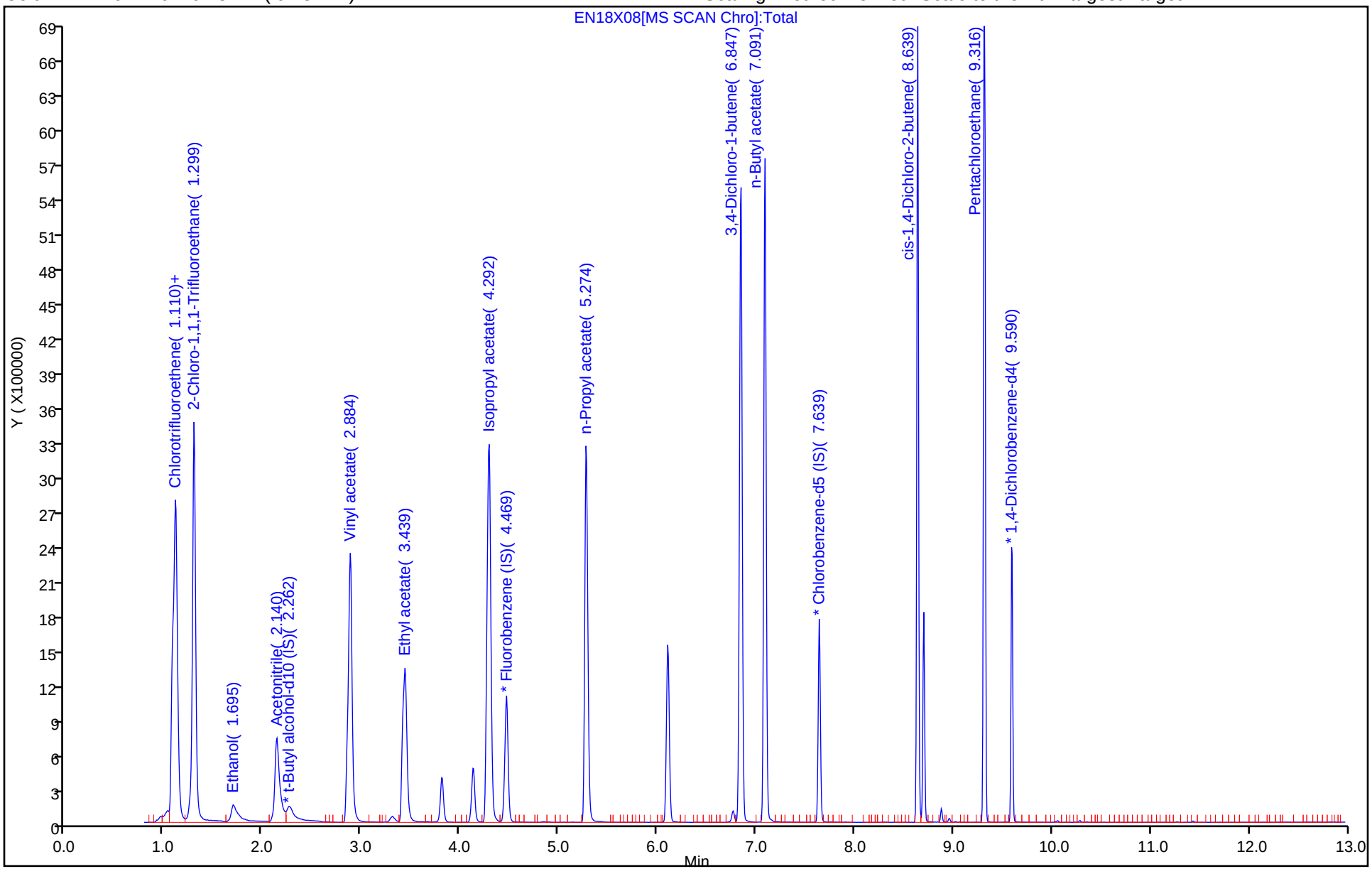
Report Date: 18-Mar-2024 19:28:06 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X08.D

Injection Date:	18-Mar-2024 13:56:30	Instrument ID:	15648	Operator ID:	jml01693
Lims ID:	IC sm v300			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		

Column: DB-624 20m 0.18mm (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

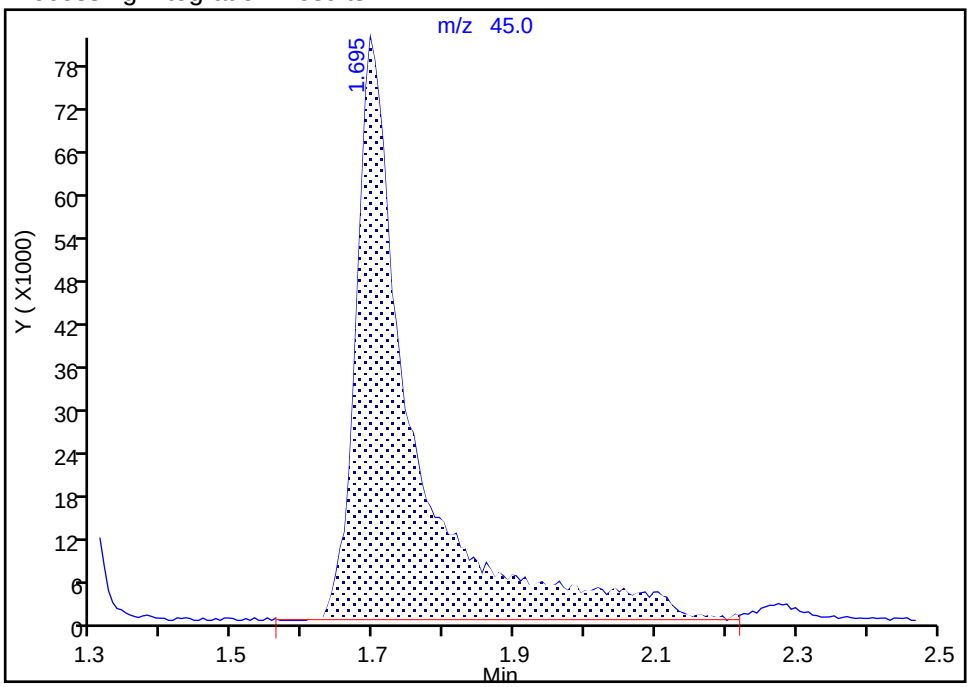
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X08.D				
Injection Date:	18-Mar-2024 13:56:30	Instrument ID:	15648		
Lims ID:	IC sm v300				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

13 Ethanol, CAS: 64-17-5

Signal: 1

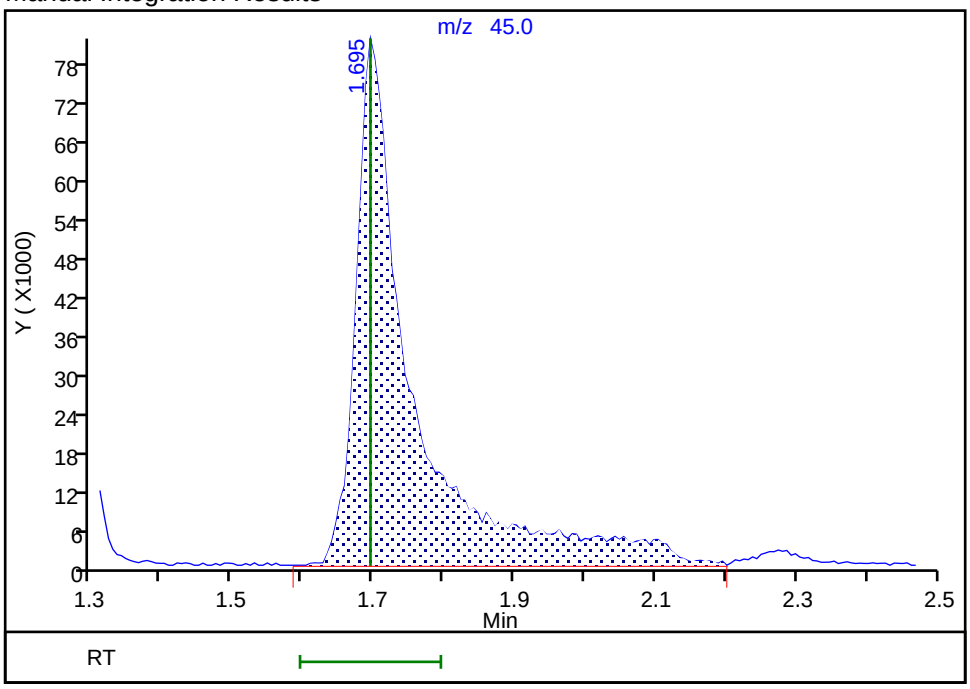
Processing Integration Results

RT: 1.70
Area: 459795
Amount: 6534.6980
Amount Units: ug/l



Manual Integration Results

RT: 1.70
Area: 458980
Amount: 6524.7946
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 16:44:30 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

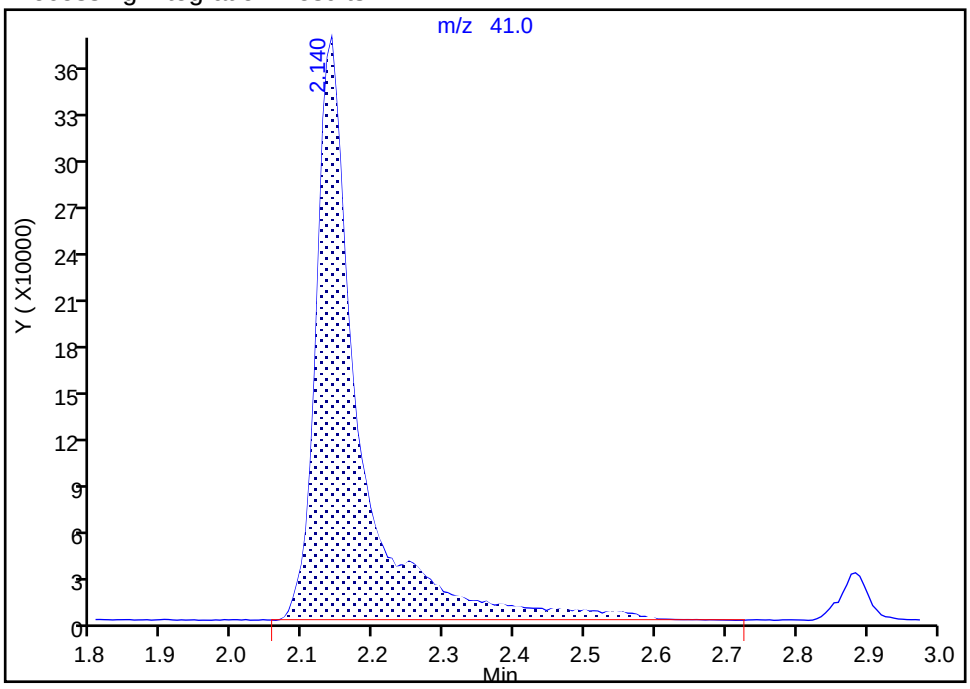
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X08.D				
Injection Date:	18-Mar-2024 13:56:30	Instrument ID:	15648		
Lims ID:	IC sm v300				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

24 Acetonitrile, CAS: 75-05-8

Signal: 1

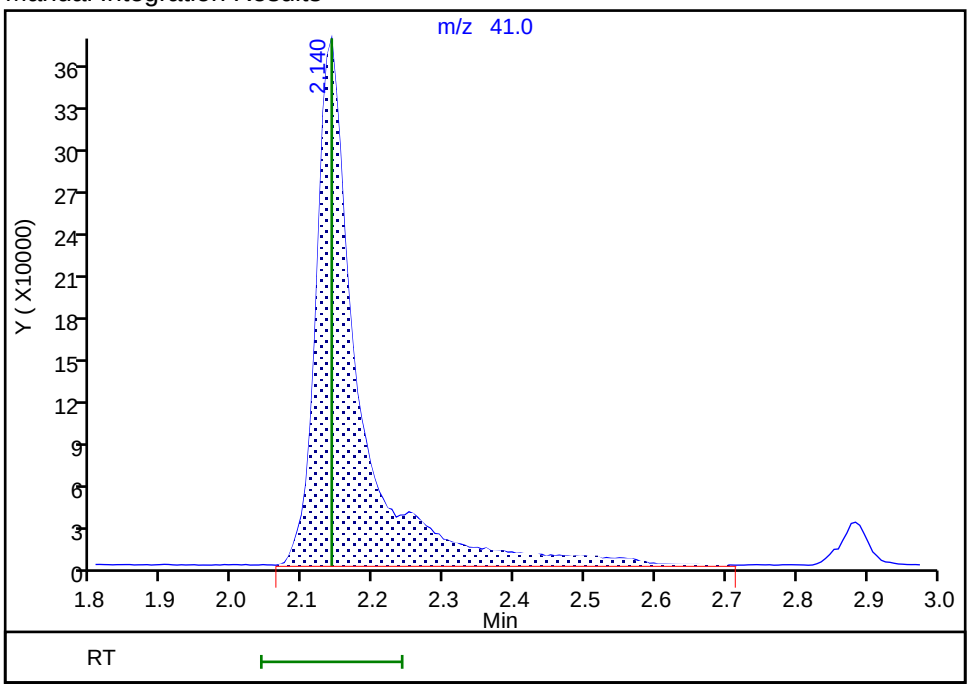
Processing Integration Results

RT: 2.14
Area: 1573002
Amount: 1322.0337
Amount Units: ug/l



Manual Integration Results

RT: 2.14
Area: 1576846
Amount: 1345.5278
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 16:44:50 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Calibration / Chlorotrifluoroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

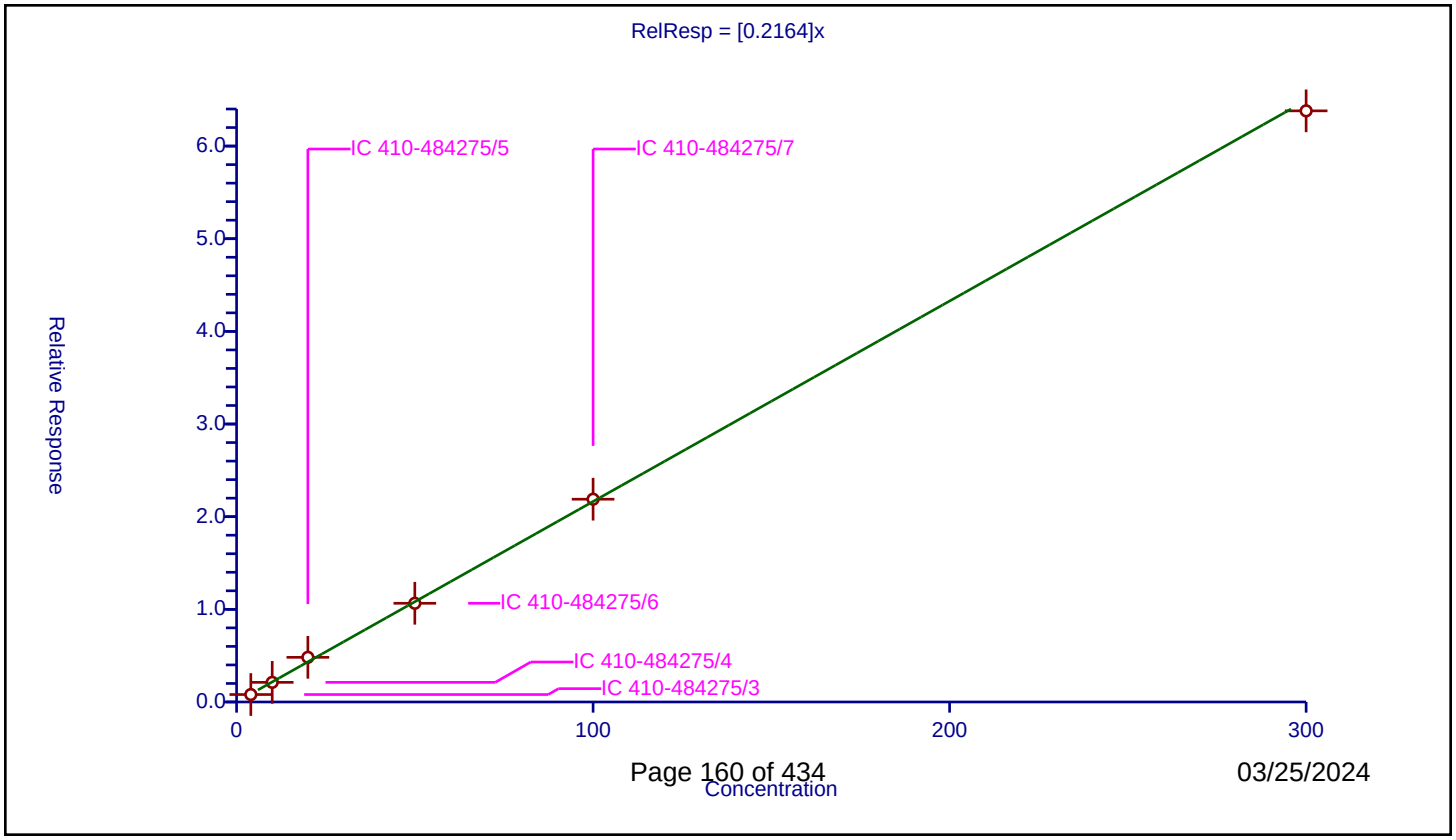
Curve Coefficients

Intercept:	0
Slope:	0.2164

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/3	4.0	0.80321	50.0	1147956.0	0.200803	Y
2	IC 410-484275/4	10.0	2.11851	50.0	1106745.0	0.211851	Y
3	IC 410-484275/5	20.0	4.820673	50.0	1075213.0	0.241034	Y
4	IC 410-484275/6	50.0	10.653377	50.0	1093550.0	0.213068	Y
5	IC 410-484275/7	100.0	21.886395	50.0	1080219.0	0.218864	Y
6	IC 410-484275/8	300.0	63.802396	50.0	1102334.0	0.212675	Y



Calibration / Chlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

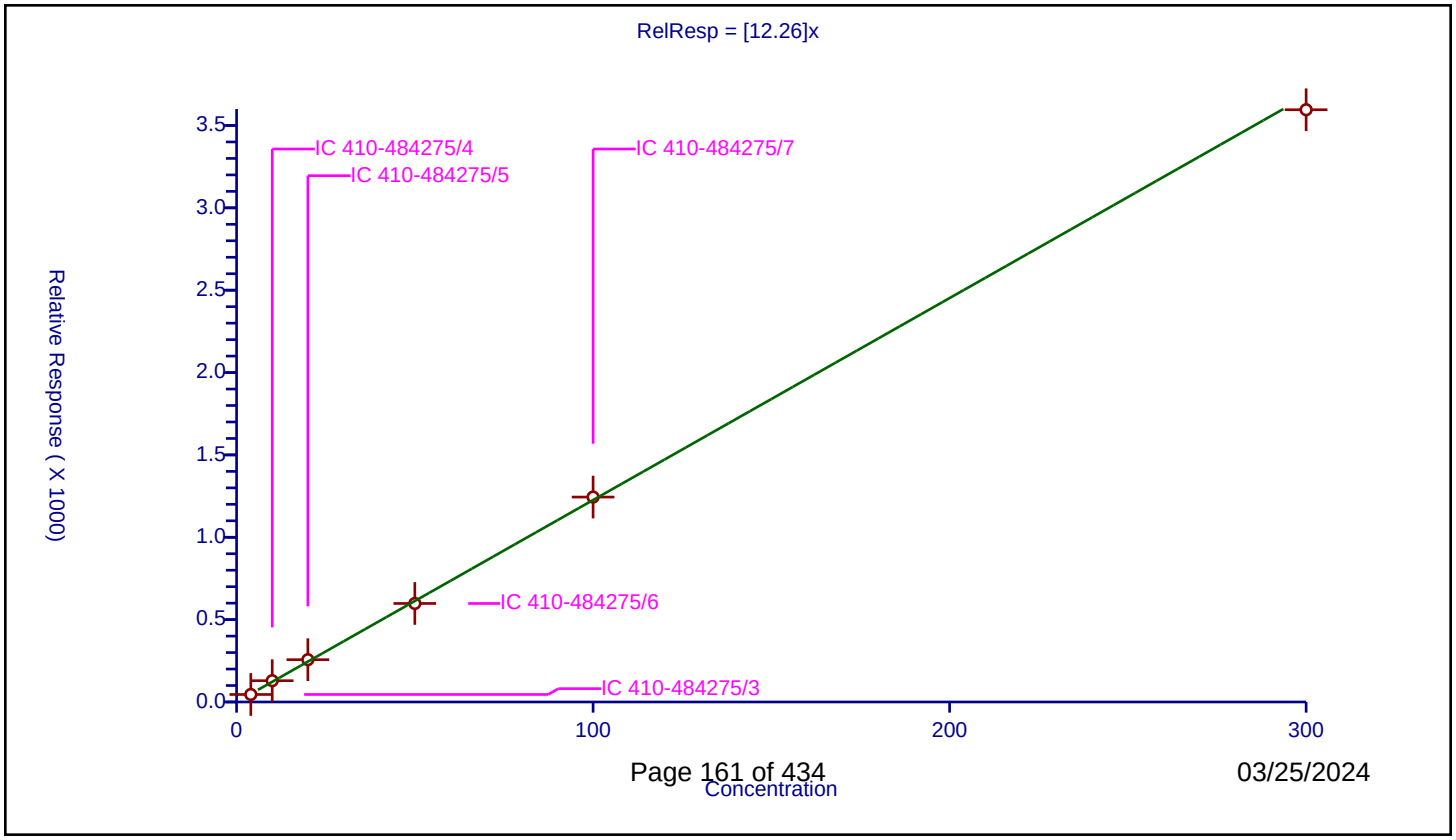
Curve Coefficients

Intercept:	0
Slope:	12.26

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/3	4.0	45.613904	250.0	247441.0	11.403476	Y
2	IC 410-484275/4	10.0	129.305543	250.0	235162.0	12.930554	Y
3	IC 410-484275/5	20.0	256.896005	250.0	230097.0	12.8448	Y
4	IC 410-484275/6	50.0	598.047761	250.0	222565.0	11.960955	Y
5	IC 410-484275/7	100.0	1244.01449	250.0	210216.0	12.440145	Y
6	IC 410-484275/8	300.0	3595.640321	250.0	215142.0	11.985468	Y



Calibration / 2-Chloro-1,1,1-Trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

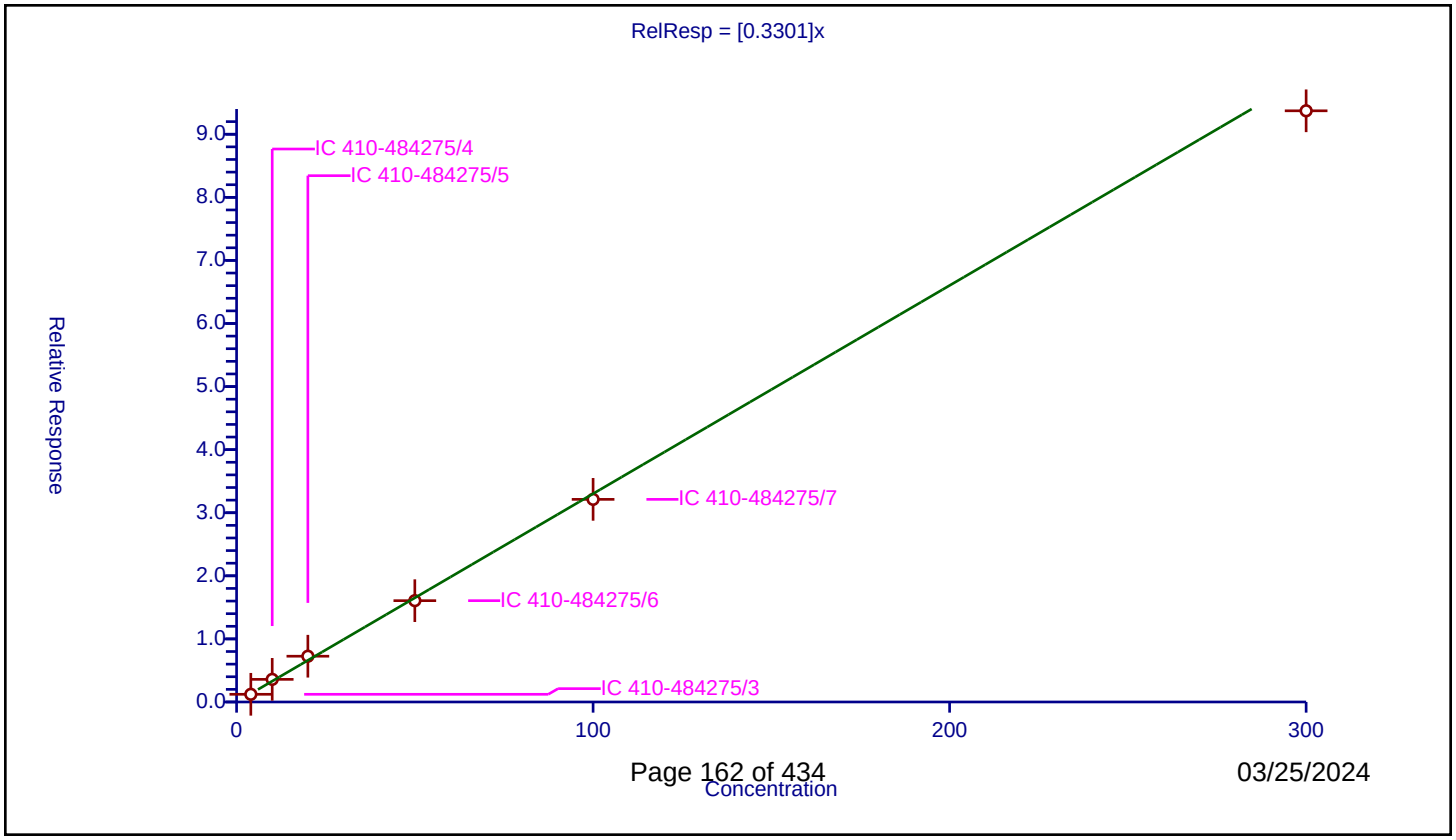
Curve Coefficients

Intercept:	0
Slope:	0.3301

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/3	4.0	1.218514	50.0	1147956.0	0.304628	Y
2	IC 410-484275/4	10.0	3.586102	50.0	1106745.0	0.35861	Y
3	IC 410-484275/5	20.0	7.255539	50.0	1075213.0	0.362777	Y
4	IC 410-484275/6	50.0	16.061954	50.0	1093550.0	0.321239	Y
5	IC 410-484275/7	100.0	32.119737	50.0	1080219.0	0.321197	Y
6	IC 410-484275/8	300.0	93.716877	50.0	1102334.0	0.31239	Y



Calibration / Ethanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

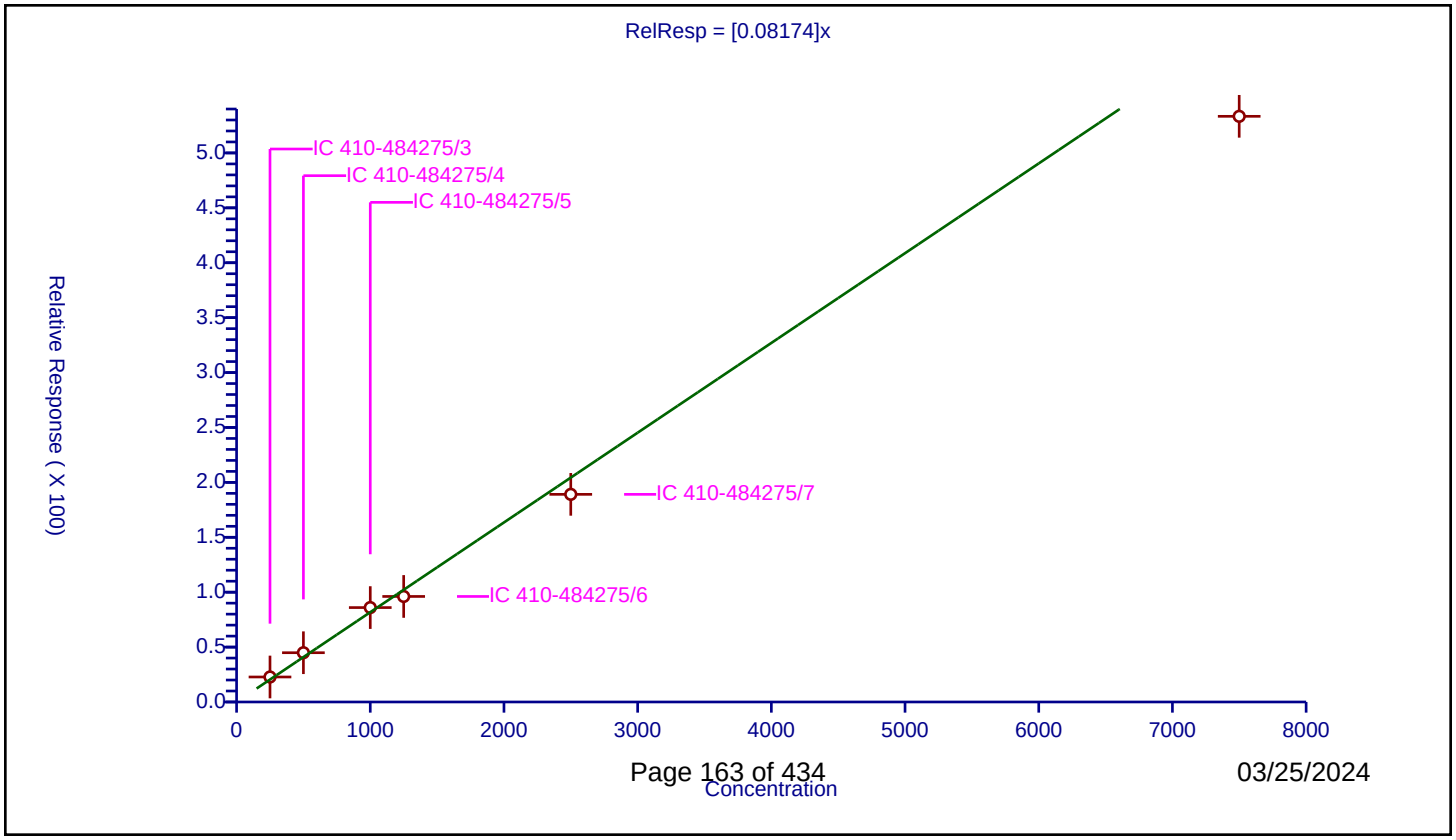
Curve Coefficients

Intercept:	0
Slope:	0.08174

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/3	249.984	22.769064	250.0	247441.0	0.091082	Y
2	IC 410-484275/4	499.968	44.870132	250.0	235162.0	0.089746	Y
3	IC 410-484275/5	999.936	85.971351	250.0	230097.0	0.085977	Y
4	IC 410-484275/6	1249.92	96.100016	250.0	222565.0	0.076885	Y
5	IC 410-484275/7	2499.84	189.090031	250.0	210216.0	0.075641	Y
6	IC 410-484275/8	7499.52	533.345418	250.0	215142.0	0.071117	Y



Calibration / Acetonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

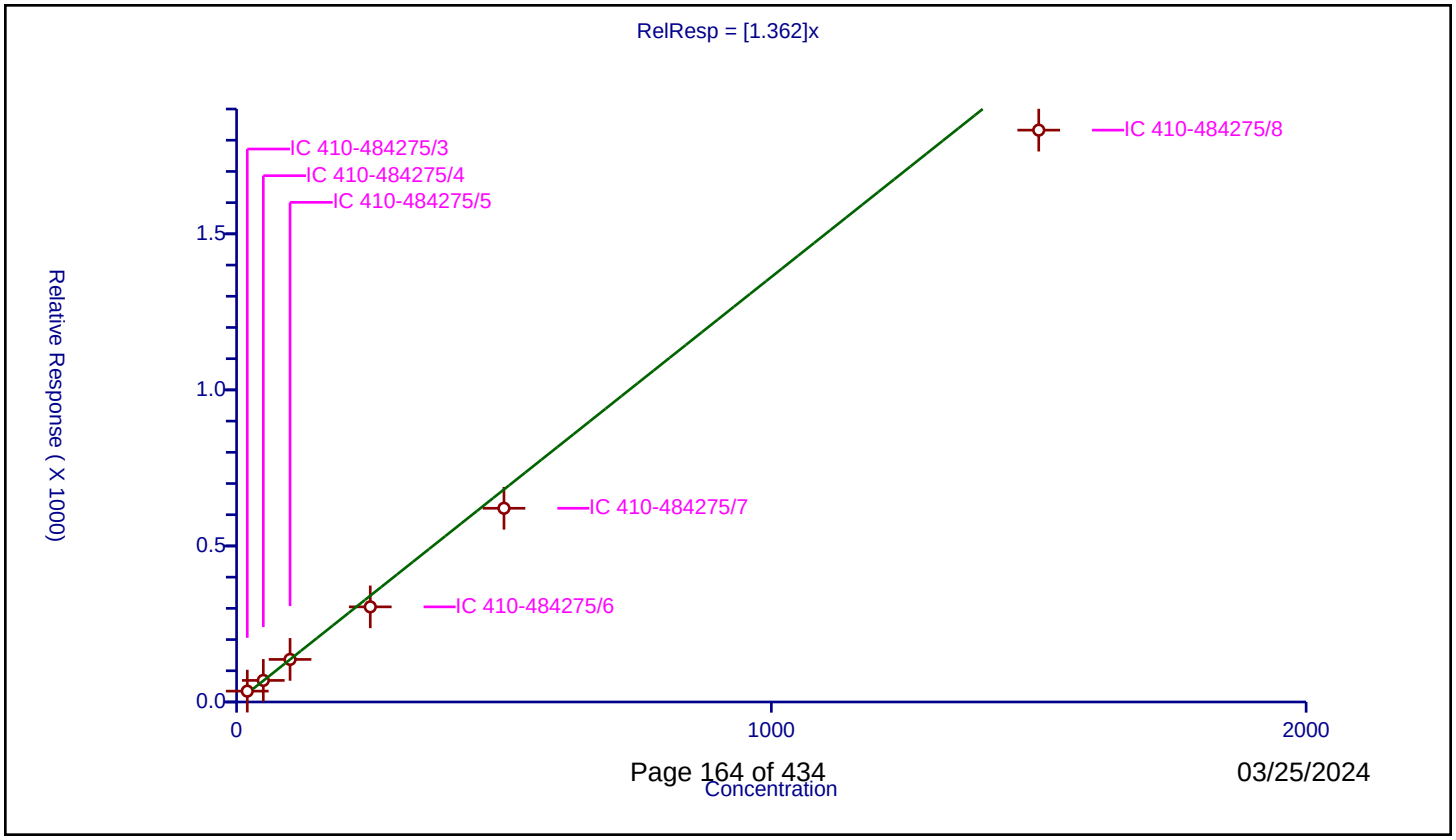
Curve Coefficients

Intercept:	0
Slope:	1.362

Error Coefficients

Relative Standard Deviation:	14.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/3	20.0	34.818401	250.0	247441.0	1.74092	Y
2	IC 410-484275/4	50.0	69.188474	250.0	235162.0	1.383769	Y
3	IC 410-484275/5	100.0	136.378353	250.0	230097.0	1.363784	Y
4	IC 410-484275/6	250.0	304.808708	250.0	222565.0	1.219235	Y
5	IC 410-484275/7	500.0	620.750799	250.0	210216.0	1.241502	Y
6	IC 410-484275/8	1500.0	1832.331669	250.0	215142.0	1.221554	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

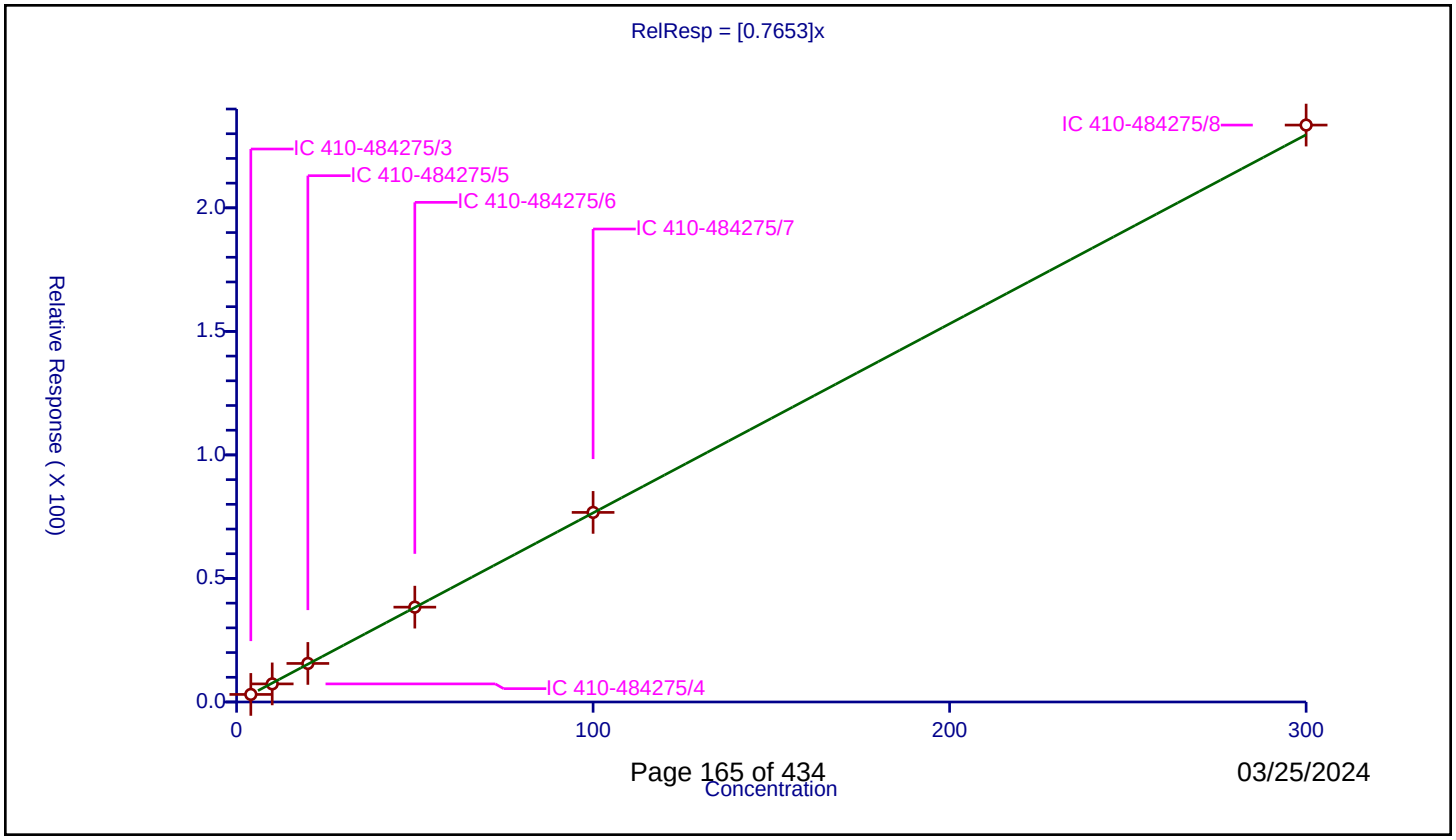
Curve Coefficients

Intercept:	0
Slope:	0.7653

Error Coefficients

Relative Standard Deviation:	2.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/3	4.0	3.062879	50.0	1147956.0	0.76572	Y
2	IC 410-484275/4	10.0	7.328156	50.0	1106745.0	0.732816	Y
3	IC 410-484275/5	20.0	15.599188	50.0	1075213.0	0.779959	Y
4	IC 410-484275/6	50.0	38.388642	50.0	1093550.0	0.767773	Y
5	IC 410-484275/7	100.0	76.736106	50.0	1080219.0	0.767361	Y
6	IC 410-484275/8	300.0	233.500736	50.0	1102334.0	0.778336	Y



Calibration / Ethyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

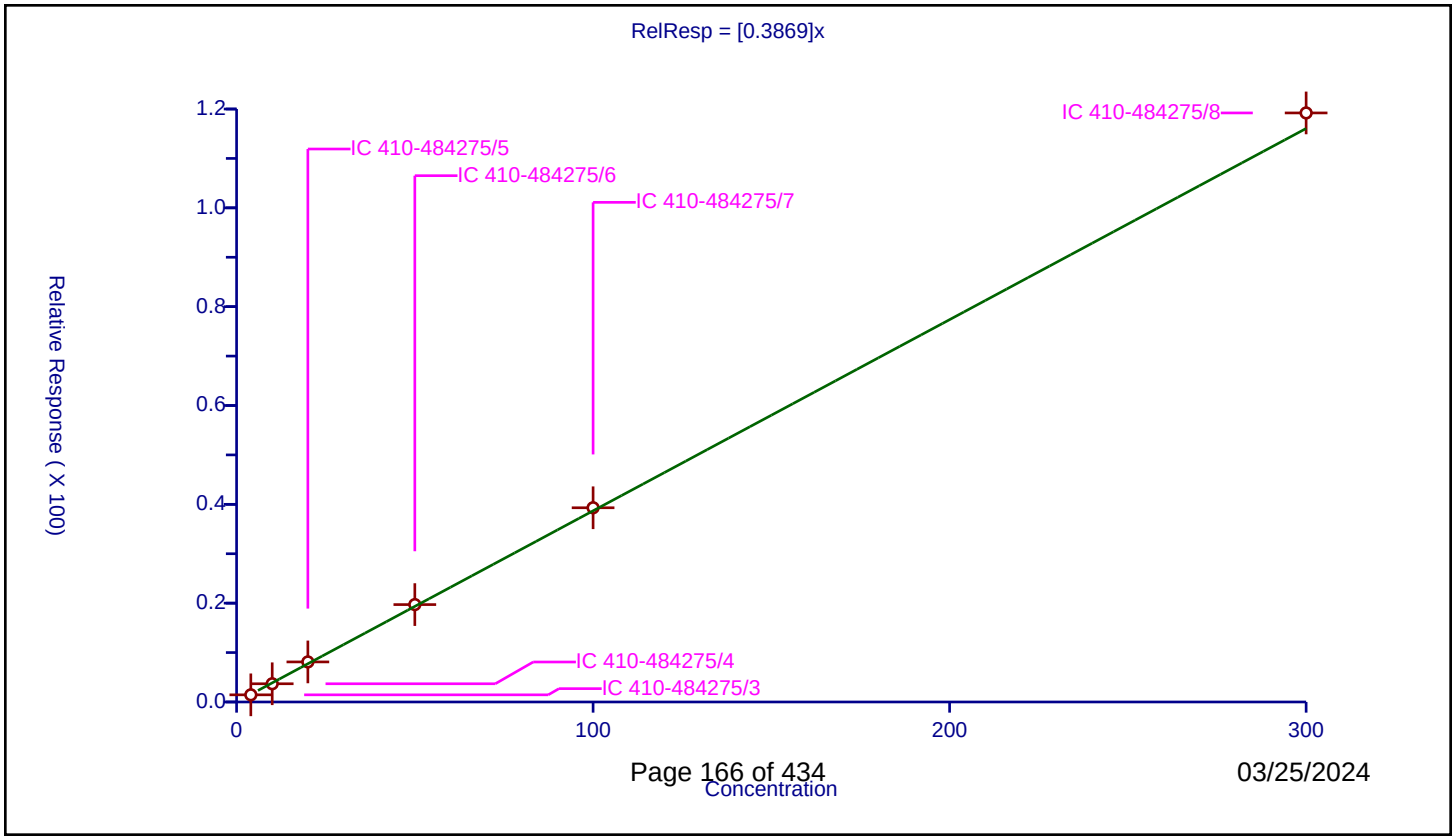
Curve Coefficients

Intercept:	0
Slope:	0.3869

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/3	4.0	1.448792	50.0	1147956.0	0.362198	Y
2	IC 410-484275/4	10.0	3.690507	50.0	1106745.0	0.369051	Y
3	IC 410-484275/5	20.0	8.106115	50.0	1075213.0	0.405306	Y
4	IC 410-484275/6	50.0	19.713365	50.0	1093550.0	0.394267	Y
5	IC 410-484275/7	100.0	39.308094	50.0	1080219.0	0.393081	Y
6	IC 410-484275/8	300.0	119.205613	50.0	1102334.0	0.397352	Y



Calibration / Isopropyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

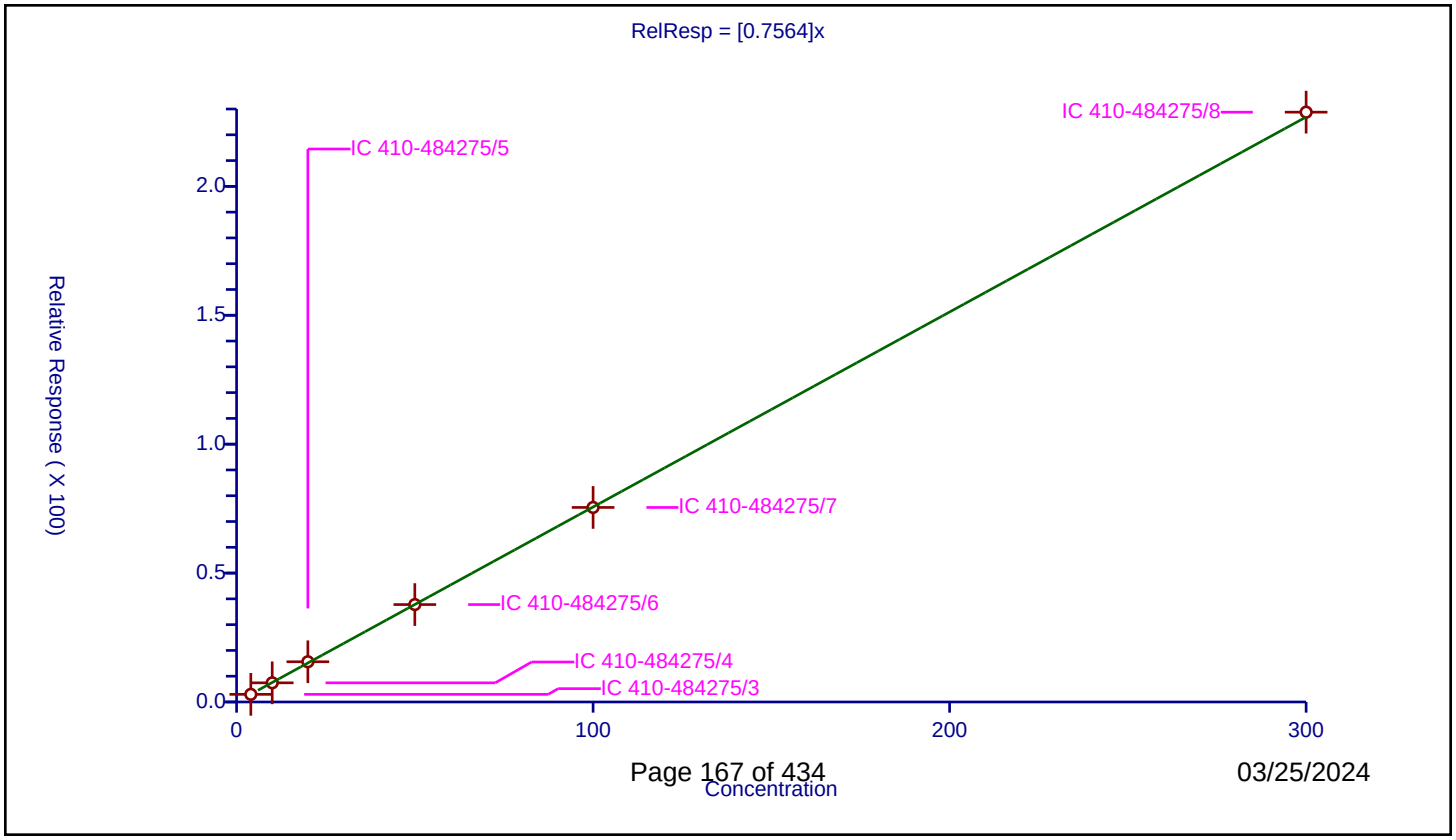
Curve Coefficients

Intercept:	0
Slope:	0.7564

Error Coefficients

Relative Standard Deviation:	1.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/3	4.0	2.967884	50.0	1147956.0	0.741971	Y
2	IC 410-484275/4	10.0	7.429444	50.0	1106745.0	0.742944	Y
3	IC 410-484275/5	20.0	15.606257	50.0	1075213.0	0.780313	Y
4	IC 410-484275/6	50.0	37.785789	50.0	1093550.0	0.755716	Y
5	IC 410-484275/7	100.0	75.461365	50.0	1080219.0	0.754614	Y
6	IC 410-484275/8	300.0	228.77998	50.0	1102334.0	0.7626	Y



Calibration / n-Propyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

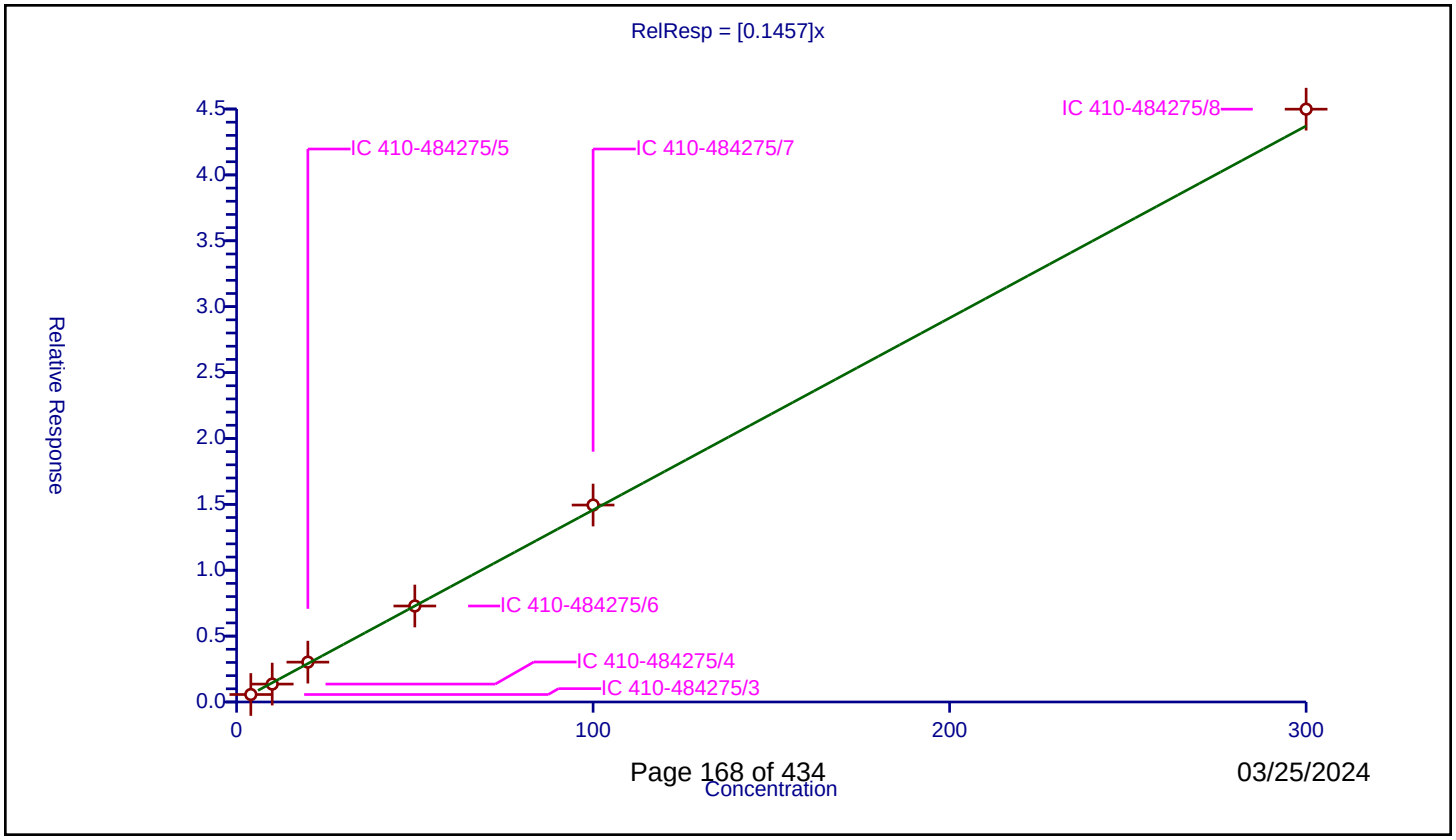
Curve Coefficients

Intercept:	0
Slope:	0.1457

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/3	4.0	0.568358	50.0	1147956.0	0.14209	Y
2	IC 410-484275/4	10.0	1.358669	50.0	1106745.0	0.135867	Y
3	IC 410-484275/5	20.0	3.024331	50.0	1075213.0	0.151217	Y
4	IC 410-484275/6	50.0	7.284395	50.0	1093550.0	0.145688	Y
5	IC 410-484275/7	100.0	14.946553	50.0	1080219.0	0.149466	Y
6	IC 410-484275/8	300.0	44.987363	50.0	1102334.0	0.149958	Y



Calibration / 3,4-Dichloro-1-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

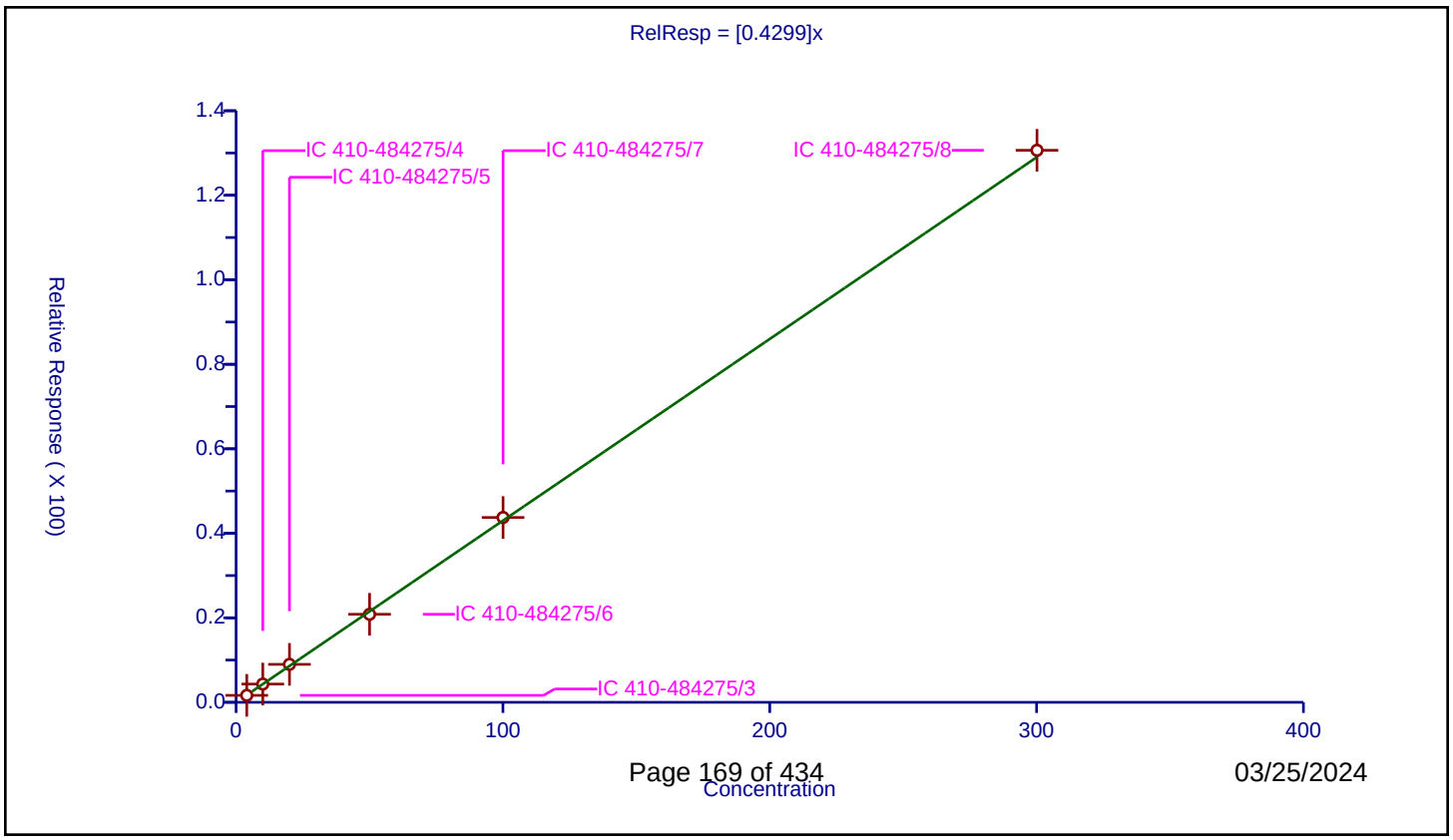
Curve Coefficients

Intercept:	0
Slope:	0.4299

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/3	4.002102	1.64365	50.0	838013.0	0.410697	Y
2	IC 410-484275/4	10.005254	4.313739	50.0	814340.0	0.431147	Y
3	IC 410-484275/5	20.010508	8.982435	50.0	783390.0	0.448886	Y
4	IC 410-484275/6	50.02627	20.833281	50.0	803462.0	0.416447	Y
5	IC 410-484275/7	100.05254	43.738318	50.0	784302.0	0.437153	Y
6	IC 410-484275/8	300.15762	130.646771	50.0	817817.0	0.435261	Y



Calibration / n-Butyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

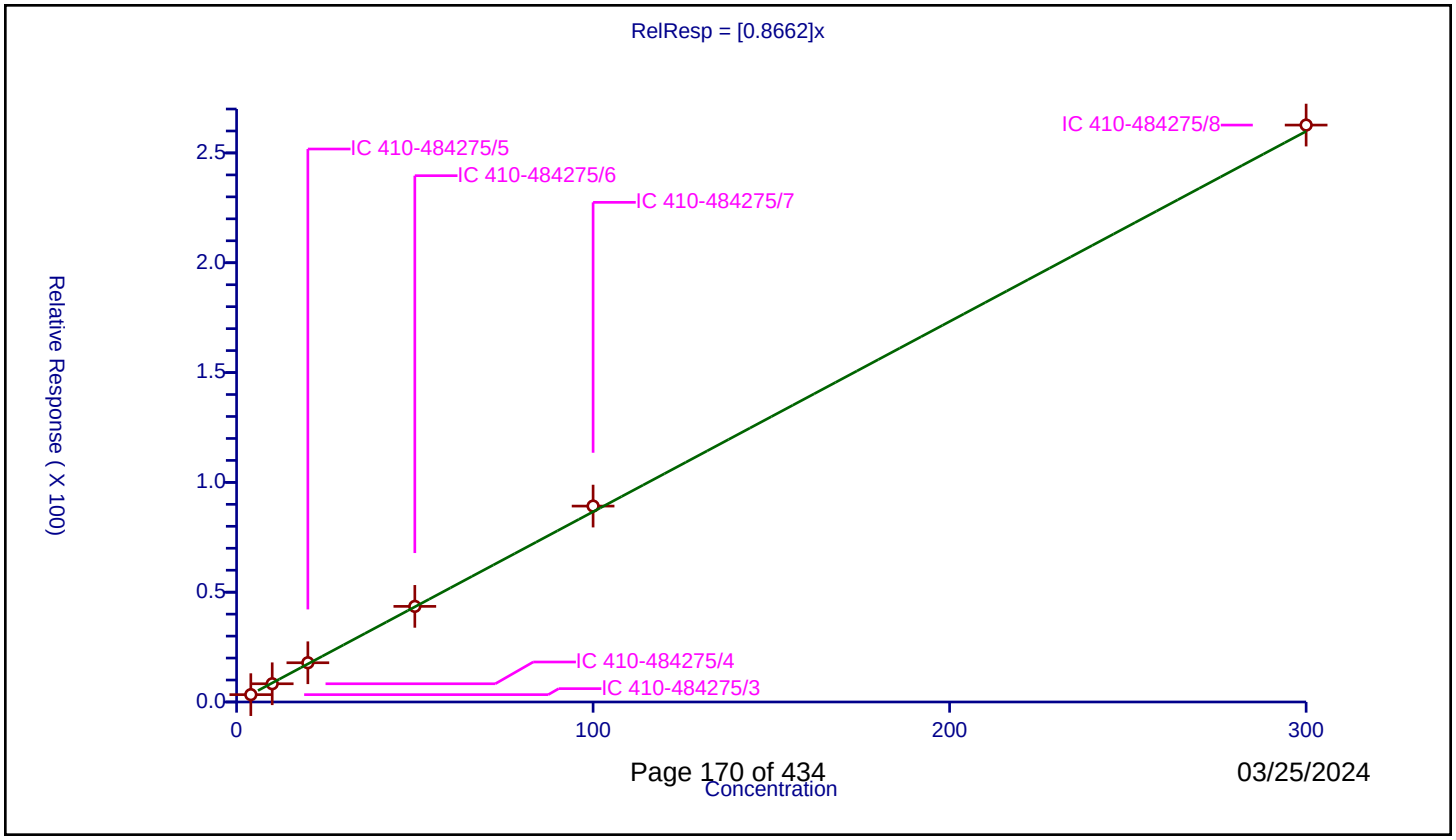
Curve Coefficients

Intercept:	0
Slope:	0.8662

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/3	4.0	3.339805	50.0	838013.0	0.834951	Y
2	IC 410-484275/4	10.0	8.305069	50.0	814340.0	0.830507	Y
3	IC 410-484275/5	20.0	17.86358	50.0	783390.0	0.893179	Y
4	IC 410-484275/6	50.0	43.531617	50.0	803462.0	0.870632	Y
5	IC 410-484275/7	100.0	89.204222	50.0	784302.0	0.892042	Y
6	IC 410-484275/8	300.0	262.68933	50.0	817817.0	0.875631	Y



Calibration / cis-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

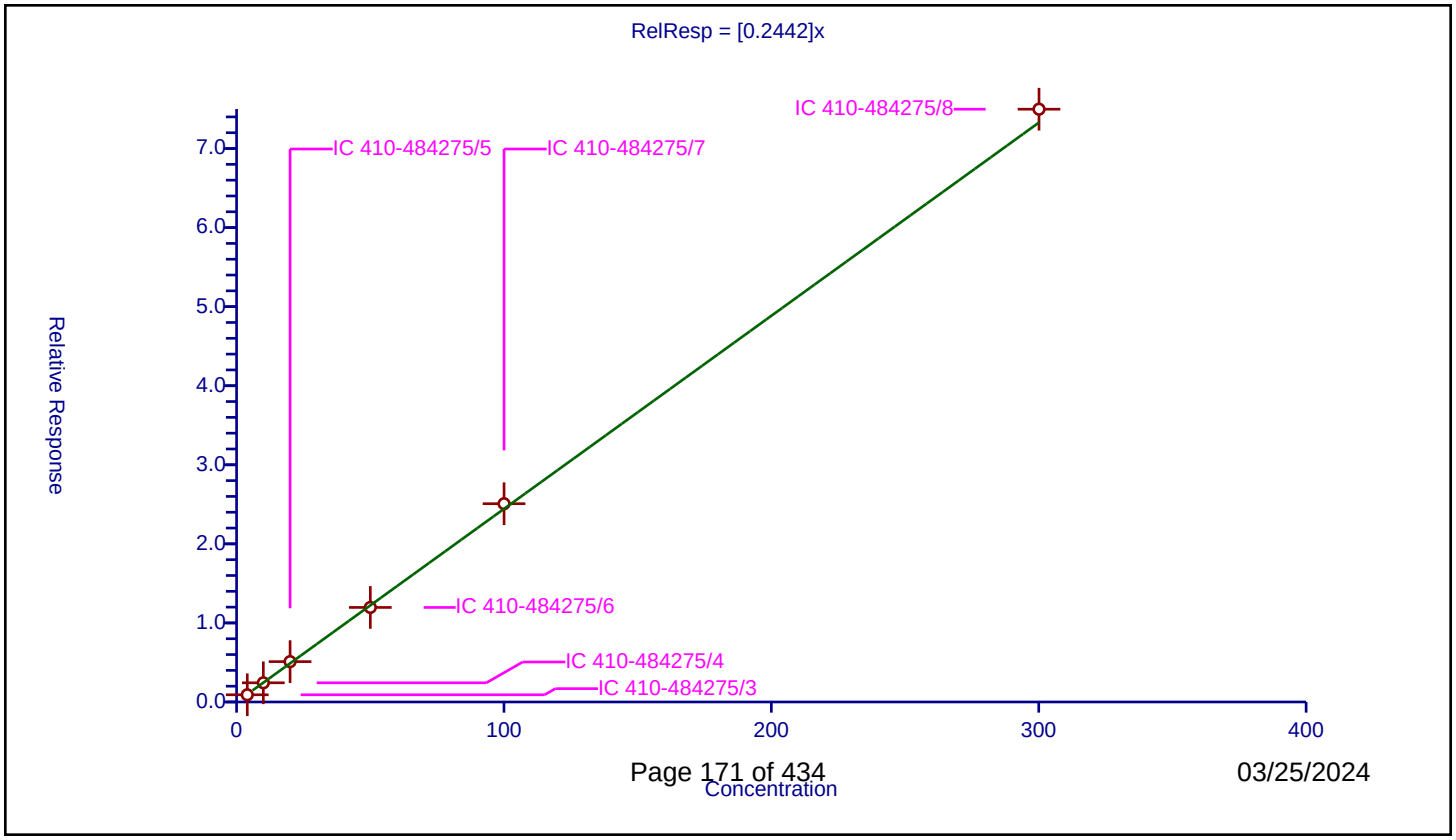
Curve Coefficients

Intercept:	0
Slope:	0.2442

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/3	4.0014	0.912635	50.0	838013.0	0.228079	Y
2	IC 410-484275/4	10.0035	2.425707	50.0	814340.0	0.242486	Y
3	IC 410-484275/5	20.007	5.105312	50.0	783390.0	0.255176	Y
4	IC 410-484275/6	50.0175	11.958997	50.0	803462.0	0.239096	Y
5	IC 410-484275/7	100.035	25.077904	50.0	784302.0	0.250691	Y
6	IC 410-484275/8	300.105	74.977043	50.0	817817.0	0.249836	Y



Calibration / Pentachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

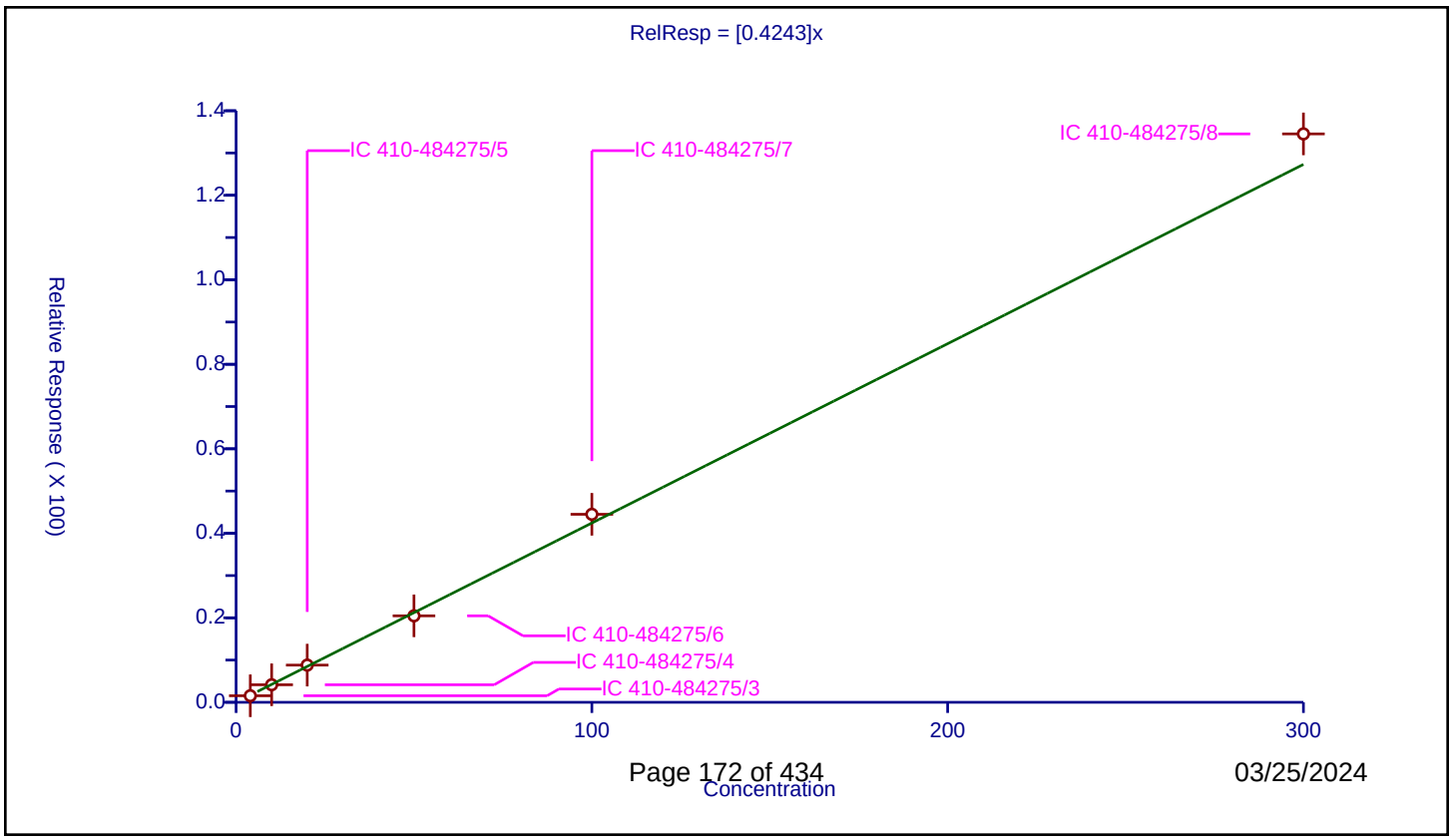
Curve Coefficients

Intercept:	0
Slope:	0.4243

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/3	4.0	1.550801	50.0	464921.0	0.3877	Y
2	IC 410-484275/4	10.0	4.15487	50.0	451759.0	0.415487	Y
3	IC 410-484275/5	20.0	8.80251	50.0	435177.0	0.440126	Y
4	IC 410-484275/6	50.0	20.465146	50.0	445086.0	0.409303	Y
5	IC 410-484275/7	100.0	44.495178	50.0	436817.0	0.444952	Y
6	IC 410-484275/8	300.0	134.524382	50.0	449100.0	0.448415	Y



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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1 Analy Batch No.: 484275

SDG No.:

Instrument ID: 15648 GC Column: DB-624 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2024 15:16 Calibration End Date: 03/18/2024 17:16 Calibration ID: 59728

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-484275/12	EN18X12.D
Level 2	IC 410-484275/13	EN18X13.D
Level 3	IC 410-484275/14	EN18X14.D
Level 4	IC 410-484275/15	EN18X15.D
Level 5	ICIS 410-484275/16	EN18X16.D
Level 6	IC 410-484275/17	EN18X17.D
Level 7	IC 410-484275/18	EN18X18.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	0.4800 0.4724	0.5307 0.4596	0.4873	0.4971	0.4809	Ave		0.4869			0.1000	4.6		20.0			
Chloromethane	0.4898 0.4383	0.5049 0.4226	0.4400	0.4715	0.4294	Ave		0.4566			0.1000	7.0		20.0			
1,3-Butadiene	0.4855 0.4973	0.5855 0.4797	0.5092	0.5305	0.5059	Ave		0.5134				7.0		20.0			
Vinyl chloride	0.3687 0.4221	0.4845 0.4089	0.4331	0.4414	0.4094	Ave		0.4240			0.1000	8.4		20.0			
Bromomethane	0.2793 0.2546	0.2884 0.2457	0.2531	0.2639	0.2545	Ave		0.2628			0.1000	5.9		20.0			
Chloroethane	0.2826 0.2361	0.2674 0.2276	0.2407	0.2522	0.2316	Ave		0.2483			0.1000	8.2		20.0			
Dichlorofluoromethane	0.7446 0.6280	0.7479 0.5926	0.6623	0.6726	0.6252	Ave		0.6676			0.1000	8.9		20.0			
n-Pentane	0.4961 0.5517	0.5800 0.5278	0.5102	0.5556	0.5263	Ave		0.5354				5.4		20.0			
Trichlorofluoromethane	0.5075 0.5151	0.5849 0.4978	0.5214	0.5504	0.5218	Ave		0.5284			0.1000	5.6		20.0			
Ethyl ether	0.2560 0.2602	0.2476 0.2424	0.2511	0.2646	0.2439	Ave		0.2523				3.3		20.0			
Freon 123a	0.4236 0.3641	0.4449 0.3474	0.3728	0.3937	0.3661	Ave		0.3875				9.1		20.0			
Acrolein	2.3311 2.1455	1.9911 2.0921	2.0088	2.0935	1.9869	Ave		2.0927				5.8		20.0			
1,1-Dichloroethene	0.2204 0.2364	0.2368 0.2238	0.2238	0.2333	0.2209	Ave		0.2279			0.1000	3.2		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1 Analy Batch No.: 484275

SDG No.:

Instrument ID: 15648 GC Column: DB-624 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2024 15:16 Calibration End Date: 03/18/2024 17:16 Calibration ID: 59728

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetone	0.9318 0.9006	0.9536 0.8702	0.8593	0.9107	0.8396	Ave		0.8951			0.1000	4.6		20.0			
Freon 113	0.2090 0.2739	0.2783 0.2635	0.2537	0.2803	0.2664	Ave		0.2607			0.1000	9.4		20.0			
2-Propanol	0.8148 0.5908	0.6422 0.6028	0.6055	0.6798	0.5456	Ave		0.6402				13.7		20.0			
Methyl iodide	0.4153 0.4208	0.4336 0.3963	0.3952	0.4104	0.3964	Ave		0.4097				3.6		20.0			
Carbon disulfide	0.6553 0.7042	0.7225 0.6634	0.6559	0.6953	0.6540	Ave		0.6786			0.1000	4.1		20.0			
Allyl chloride	0.4839 0.5490	0.5586 0.5043	0.5052	0.5438	0.5111	Ave		0.5223				5.4		20.0			
Methyl acetate	0.2290 0.3247	0.2952 0.2884	0.2993	0.3167	0.3029	Ave		0.2937			0.1000	10.6		20.0			
Methylene Chloride	0.2728 0.2686	0.2780 0.2475	0.2539	0.2675	0.2517	Ave		0.2629			0.1000	4.4		20.0			
t-Butyl alcohol	1.5638 1.0531	1.1687 0.9863	1.0352	1.0848	0.9690	Ave		1.1230				18.3		20.0			
Acrylonitrile	0.1630 0.1509	0.1585 0.1388	0.1471	0.1481	0.1414	Ave		0.1497				5.8		20.0			
trans-1,2-Dichloroethene	0.2414 0.2666	0.2811 0.2506	0.2395	0.2586	0.2488	Ave		0.2552			0.1000	5.8		20.0			
Methyl tert-butyl ether	0.9412 0.9674	0.9723 0.8817	0.8816	0.9574	0.9027	Ave		0.9292			0.1000	4.3		20.0			
n-Hexane	0.4559 0.4574	0.4736 0.4295	0.4072	0.4507	0.4413	Ave		0.4451				4.9		20.0			
1,1-Dichloroethane	0.5404 0.5616	0.5839 0.5261	0.5360	0.5663	0.5353	Ave		0.5499			0.2000	3.8		20.0			
Isopropyl ether	0.9863 1.0490	1.0697 0.9635	0.9837	1.0456	0.9943	Ave		1.0132				4.0		20.0			
2-Chloro-1,3-butadiene	0.5106 0.5640	0.5772 0.5241	0.5288	0.5535	0.5281	Ave		0.5409				4.5		20.0			
Ethyl t-butyl ether	1.0159 1.0159	1.0029 0.9230	0.9190	0.9848	0.9355	Ave		0.9710				4.5		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1 Analy Batch No.: 484275

SDG No.:

Instrument ID: 15648 GC Column: DB-624 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2024 15:16 Calibration End Date: 03/18/2024 17:16 Calibration ID: 59728

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
cis-1,2-Dichloroethene	0.2808 0.3016	0.3033 0.2785	0.2855	0.2957	0.2799	Ave		0.2893			0.1000	3.7		20.0			
2-Butanone (MEK)	0.2856 0.2158	0.2073 0.1983	0.2049	0.2095	0.2019	Ave		0.2176			0.1000	14.0		20.0			
2,2-Dichloropropane	0.5050 0.5186	0.5443 0.4819	0.5095	0.5169	0.4866	Ave		0.5090				4.1		20.0			
Propionitrile	1.7052 1.4808	1.5034 1.4532	1.4501	1.4885	1.4045	Ave		1.4979				6.5		20.0			
Methyl acrylate	0.2791 0.4277	0.3887 0.3968	0.3720	0.4254	0.3942	Ave		0.3834				13.1		20.0			
Methacrylonitrile	0.1716 0.1609	0.1622 0.1499	0.1478	0.1596	0.1501	Ave		0.1575				5.5		20.0			
Bromochloromethane	0.1274 0.1394	0.1325 0.1281	0.1215	0.1323	0.1286	Ave		0.1300				4.2		20.0			
Tetrahydrofuran	1.2775 1.2417	1.2854 1.2101	1.1470	1.2424	1.1754	Ave		1.2256				4.2		20.0			
Chloroform	0.5625 0.5223	0.5483 0.4800	0.4925	0.5173	0.4878	Ave		0.5158			0.2000	6.1		20.0			
1,1,1-Trichloroethane	0.4427 0.4862	0.5107 0.4548	0.4478	0.4759	0.4527	Ave		0.4673			0.1000	5.3		20.0			
Cyclohexane	0.6023 0.5857	0.5903 0.5540	0.5259	0.5819	0.5616	Ave		0.5717			0.1000	4.6		20.0			
1,1-Dichloropropene	0.3977 0.4414	0.4450 0.4122	0.4089	0.4320	0.4088	Ave		0.4209				4.4		20.0			
Carbon tetrachloride	0.3636 0.4257	0.4177 0.4013	0.3844	0.4101	0.3951	Ave		0.3997			0.1000	5.3		20.0			
Isobutyl alcohol	0.4202 0.3980	0.3703 0.3759	0.3581	0.3884	0.3592	Ave		0.3814				5.9		20.0			
Benzene	1.1238 1.1942	1.2284 1.1228	1.1102	1.1800	1.1100	Ave		1.1528			0.5000	4.1		20.0			
1,2-Dichloroethane	0.4876 0.4789	0.4763 0.4401	0.4429	0.4728	0.4518	Ave		0.4643			0.1000	4.1		20.0			
t-Amyl methyl ether	0.9340 0.9425	0.9214 0.8558	0.8606	0.9303	0.8879	Ave		0.9047				4.0		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1 Analy Batch No.: 484275

SDG No.:

Instrument ID: 15648 GC Column: DB-624 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2024 15:16 Calibration End Date: 03/18/2024 17:16 Calibration ID: 59728

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	0.5536 0.4552	0.4773 0.4281	0.4056	0.4564	0.4287	Ave		0.4578				10.6		20.0			
n-Butanol	0.3289 0.2985	0.3049 0.2753	0.2532	0.2796	0.2594	Ave		0.2857				9.4		20.0			
Trichloroethene	0.2871 0.3082	0.3167 0.2879	0.2830	0.3039	0.2869	Ave		0.2962			0.2000	4.4		20.0			
Ethyl acrylate	0.4224 0.5343	0.4671 0.4898	0.4417	0.5182	0.4870	Ave		0.4801				8.3		20.0			
Methylcyclohexane	0.4499 0.5454	0.5360 0.5138	0.4878	0.5330	0.5094	Ave		0.5108			0.1000	6.5		20.0			
1,2-Dichloropropane	0.3001 0.3287	0.3280 0.3064	0.2955	0.3211	0.3026	Ave		0.3118			0.1000	4.4		20.0			
t-Amyl ethyl ether	0.4757 0.4981	0.4890 0.4600	0.4521	0.4773	0.4617	Ave		0.4734				3.5		20.0			
Dibromomethane	0.1909 0.1923	0.1898 0.1768	0.1777	0.1860	0.1791	Ave		0.1847				3.6		20.0			
1,4-Dioxane	+++++ 0.0688	0.0493 0.0614	0.0564	0.0650	0.0623	Ave		0.0605			0.0050	11.4		20.0			
Methyl methacrylate	0.2920 0.2799	0.2641 0.2586	0.2449	0.2706	0.2547	Ave		0.2664				6.0		20.0			
Bromodichloromethane	0.3701 0.3998	0.3828 0.3731	0.3638	0.3873	0.3715	Ave		0.3784			0.2000	3.3		20.0			
2-Nitropropane	3.7259 3.8664	3.8547 3.8069	3.5788	3.8629	3.6623	Ave		3.7654				3.0		20.0			
2-Chloroethyl vinyl ether	0.2138 0.2394	0.2147 0.2224	0.2082	0.2339	0.2214	Ave		0.2220				5.1		20.0			
cis-1,3-Dichloropropene	0.4838 0.5281	0.4898 0.4944	0.4707	0.5060	0.4839	Ave		0.4938			0.2000	3.8		20.0			
4-Methyl-2-pentanone (MIBK)	0.4685 0.4726	0.4416 0.4233	0.4288	0.4686	0.4320	Ave		0.4479			0.1000	4.8		20.0			
Toluene	0.9475 1.0384	1.0663 0.9766	0.9695	1.0121	0.9547	Ave		0.9950			0.4000	4.5		20.0			
trans-1,3-Dichloropropene	0.6139 0.6710	0.6226 0.6295	0.6021	0.6458	0.6081	Ave		0.6276			0.1000	3.8		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1 Analy Batch No.: 484275

SDG No.:

Instrument ID: 15648 GC Column: DB-624 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2024 15:16 Calibration End Date: 03/18/2024 17:16 Calibration ID: 59728

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	0.6460 0.6854	0.6476 0.6212	0.6123	0.6609	0.6276	Ave		0.6430				3.9		20.0			
1,1,2-Trichloroethane	0.3610 0.3505	0.3491 0.3247	0.3200	0.3380	0.3296	Ave		0.3390			0.1000	4.5		20.0			
Tetrachloroethene	0.3913 0.4241	0.4283 0.4033	0.3914	0.4140	0.3935	Ave		0.4066			0.2000	3.9		20.0			
1,3-Dichloropropane	0.6566 0.6527	0.6466 0.6017	0.5942	0.6345	0.6014	Ave		0.6268				4.3		20.0			
2-Hexanone	0.4788 0.4601	0.4651 0.4147	0.4272	0.4581	0.4175	Ave		0.4459			0.1000	5.7		20.0			
Dibromochloromethane	0.3861 0.4041	0.3673 0.3804	0.3494	0.3789	0.3687	Ave		0.3764				4.5		20.0			
Ethylene Dibromide	0.3506 0.3743	0.3724 0.3483	0.3413	0.3674	0.3473	Ave		0.3574			0.1000	3.8		20.0			
Chlorobenzene	0.9898 1.0935	1.0921 1.0387	1.0032	1.0803	1.0128	Ave		1.0444			0.5000	4.2		20.0			
1-Chlorohexane	0.5296 0.5607	0.5746 0.5393	0.5073	0.5573	0.5196	Ave		0.5412				4.5		20.0			
1,1,1,2-Tetrachloroethane	0.3395 0.3912	0.3688 0.3681	0.3413	0.3728	0.3604	Ave		0.3632				5.0		20.0			
Ethylbenzene	1.9525 2.0277	2.0155 1.9143	1.9056	1.9878	1.8862	Ave		1.9557			0.1000	2.9		20.0			
m&p-Xylene	0.6812 0.7783	0.7522 0.7506	0.7155	0.7495	0.7239	Ave		0.7359			0.1000	4.3		20.0			
o-Xylene	0.6400 0.7677	0.7625 0.7438	0.6882	0.7458	0.7116	Ave		0.7228			0.3000	6.4		20.0			
n-Butyl acrylate	0.8794 1.0626	0.9400 0.9957	0.9294	1.0566	0.9842	Ave		0.9783				6.9		20.0			
Styrene	1.1009 1.2774	1.2021 1.2437	1.1441	1.2267	1.1675	Ave		1.1946			0.3000	5.1		20.0			
Bromoform	0.2780 0.3023	0.2651 0.2862	0.2657	0.2834	0.2702	Ave		0.2787			0.1000	4.8		20.0			
Isopropylbenzene	1.6624 1.8926	1.8571 1.7921	1.7164	1.8560	1.7519	Ave		1.7898			0.1000	4.7		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1 Analy Batch No.: 484275

SDG No.:

Instrument ID: 15648 GC Column: DB-624 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2024 15:16 Calibration End Date: 03/18/2024 17:16 Calibration ID: 59728

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	0.3761 0.3934	0.3814 0.3265	0.3426	0.3515	0.3422	Ave		0.3591				6.9		20.0			
Bromobenzene	0.7681 0.7996	0.7881 0.7336	0.7537	0.8002	0.7414	Ave		0.7692				3.6		20.0			
1,1,2,2-Tetrachloroethane	1.0482 1.0162	1.0263 0.9018	0.9252	1.0134	0.9284	Ave		0.9799			0.3000	6.0		20.0			
1,2,3-Trichloropropane	0.3067 0.3053	0.3133 0.2715	0.2839	0.3111	0.2834	Ave		0.2964				5.6		20.0			
trans-1,4-Dichloro-2-butene	0.4202 0.4278	0.3902 0.3802	0.3846	0.4266	0.3919	Ave		0.4031				5.2		20.0			
N-Propylbenzene	3.5619 4.1815	4.1247 3.5516	3.8248	4.1264	3.8909	Ave		3.8946				6.8		20.0			
2-Chlorotoluene	0.7200 0.8024	0.8092 0.7225	0.7266	0.7786	0.7395	Ave		0.7570				5.1		20.0			
4-Chlorotoluene	0.7002 0.8335	0.8355 0.7710	0.7628	0.8023	0.7705	Ave		0.7823				6.0		20.0			
1,3,5-Trimethylbenzene	2.4471 2.9763	2.9163 2.7689	2.6466	2.8828	2.7606	Ave		2.7712				6.5		20.0			
tert-Butylbenzene	0.5149 0.6003	0.5529 0.5550	0.5366	0.5780	0.5575	Ave		0.5565				4.9		20.0			
1,2,4-Trimethylbenzene	2.6148 2.9979	2.8858 2.7499	2.6827	2.9023	2.7642	Ave		2.7996				4.8		20.0			
sec-Butylbenzene	2.8527 3.6676	3.4806 3.2479	3.2566	3.5090	3.3816	Ave		3.3423				7.8		20.0			
1,3-Dichlorobenzene	1.3510 1.5245	1.4855 1.4021	1.3803	1.4977	1.4191	Ave		1.4372			0.6000	4.6		20.0			
p-Isopropyltoluene	2.5841 3.1893	3.0142 2.9195	2.7879	3.0321	2.9287	Ave		2.9222				6.6		20.0			
1,4-Dichlorobenzene	1.4084 1.5461	1.5230 1.4233	1.3966	1.5138	1.4304	Ave		1.4631			0.5000	4.2		20.0			
1,2,3-Trimethylbenzene	2.6859 3.0042	2.9556 2.7283	2.7256	2.9677	2.8103	Ave		2.8397				4.7		20.0			
Benzyl chloride	2.0620 2.3060	2.1079 2.0504	2.0344	2.2445	2.1009	Ave		2.1294				4.9		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1 Analy Batch No.: 484275

SDG No.:

Instrument ID: 15648 GC Column: DB-624 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2024 15:16 Calibration End Date: 03/18/2024 17:16 Calibration ID: 59728

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	1.4879 1.7984	1.7452 1.6620	1.5941	1.7081	1.6622	Ave		1.6654				6.1		20.0			
1,4-Diethylbenzene	1.5127 1.8865	1.7363 1.7613	1.6513	1.7989	1.7463	Ave		1.7276				6.8		20.0			
1,2-Dichlorobenzene	1.2900 1.4904	1.3918 1.3900	1.3442	1.4510	1.3665	Ave		1.3891			0.4000	4.8		20.0			
n-Butylbenzene	1.2316 1.5382	1.4386 1.4534	1.4027	1.4749	1.4288	Ave		1.4240				6.7		20.0			
1,2-Diethylbenzene	1.2881 1.4955	1.4397 1.3853	1.3503	1.4429	1.3748	Ave		1.3966				4.9		20.0			
1,2-Dibromo-3-Chloropropane	0.2561 0.2753	0.2624 0.2392	0.2503	0.2766	0.2482	Ave		0.2583			0.0500	5.4		20.0			
1,3,5-Trichlorobenzene	0.8960 1.0545	0.9763 0.9354	0.9278	0.9961	0.9664	Ave		0.9646				5.4		20.0			
1,2,4-Trichlorobenzene	0.7576 1.0033	0.9073 0.8685	0.8646	0.9372	0.8969	Ave		0.8908			0.2000	8.5		20.0			
Hexachlorobutadiene	0.3573 0.4317	0.4081 0.3669	0.3676	0.4059	0.3956	Ave		0.3904				7.0		20.0			
2-Ethylhexyl acrylate	0.8762 1.1970	0.8694 1.0241	0.9108	1.0664	1.0334	Ave		0.9968				12.0		20.0			
Naphthalene	2.8212 3.3897	3.0683 2.8637	2.8541	3.2043	3.0247	Ave		3.0323				6.9		20.0			
1,2,3-Trichlorobenzene	0.7730 0.9502	0.8384 0.8079	0.7910	0.8783	0.8378	Ave		0.8395				7.1		20.0			
2-Methylnaphthalene	1.2400 1.7177	1.3291 1.4072	1.2498	1.5031	1.4588	Ave		1.4151				11.8		20.0			
Dibromofluoromethane (Surr)	0.2352 0.2354	0.2365 0.2351	0.2341	0.2358	0.2371	Ave		0.2356				0.4		20.0			
1,2-Dichloroethane-d4 (Surr)	0.3718 0.3646	0.3733 0.3619	0.3722	0.3753	0.3701	Ave		0.3699				1.3		20.0			
Toluene-d8 (Surr)	1.4060 1.4005	1.3910 1.3948	1.4034	1.4018	1.4042	Ave		1.4003				0.4		20.0			
4-Bromofluorobenzene (Surr)	0.5286 0.5273	0.5305 0.5333	0.5364	0.5318	0.5350	Ave		0.5319				0.6		20.0			

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-164755-1 | Analy Batch No.: 484275

SDG No.:

Instrument ID: 15648 | GC Column: DB-624 20m | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2024 15:16 | Calibration End Date: 03/18/2024 17:16 | Calibration ID: 59728

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-484275/12	EN18X12.D
Level 2	IC 410-484275/13	EN18X13.D
Level 3	IC 410-484275/14	EN18X14.D
Level 4	IC 410-484275/15	EN18X15.D
Level 5	ICIS 410-484275/16	EN18X16.D
Level 6	IC 410-484275/17	EN18X17.D
Level 7	IC 410-484275/18	EN18X18.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	10032 994884	46048 3219911	106804	207583	519618	1.00 100	4.00 300	10.0	20.0	50.0
Chloromethane	FB	Ave	10237 923092	43810 2960580	96435	196885	463983	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Butadiene	FB	Ave	10147 1047434	50799 3360716	111614	221551	546682	1.00 100	4.00 300	10.0	20.0	50.0
Vinyl chloride	FB	Ave	7706 888899	42040 2864482	94930	184311	442389	1.00 100	4.00 300	10.0	20.0	50.0
Bromomethane	FB	Ave	5837 536276	25023 1720909	55477	110193	274984	1.00 100	4.00 300	10.0	20.0	50.0
Chloroethane	FB	Ave	5907 497322	23197 1594608	52764	105324	250269	1.00 100	4.00 300	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	15564 1322632	64889 4151591	145175	280869	675552	1.00 100	4.00 300	10.0	20.0	50.0
n-Pentane	FB	Ave	10369 1161976	50319 3697113	111838	232007	568657	1.00 100	4.00 300	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	10607 1084771	50752 3487269	114278	229849	563866	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl ether	FB	Ave	5352 548140	21487 1698216	55055	110530	263559	1.00 100	4.00 300	10.0	20.0	50.0
Freon 123a	FB	Ave	8853 766834	38597 2434008	81709	164396	395535	1.00 100	4.00 300	10.0	20.0	50.0
Acrolein	TBAd10	Ave	19425 1886705	68783 5706740	175703	359083	874967	10.00 1000	40.0 3000	100.0	200	500
1,1-Dichloroethene	FB	Ave	4606 497917	20546 1567791	49059	97439	238677	1.00 100	4.00 300	10.0	20.0	50.0
Acetone	TBAd10	Ave	1553 158404	6589 474779	15034	31244	73950	2.00 200	8.00 600	20.0	40.0	100

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1 Analy Batch No.: 484275

SDG No.:

Instrument ID: 15648 GC Column: DB-624 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2024 15:16 Calibration End Date: 03/18/2024 17:16 Calibration ID: 59728

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
Freon 113	FB	Ave	4369 576843	24145 1845815	55617	117039	287848	1.00 100	4.00 300	10.0	20.0	50.0
2-Propanol	TBAd10	Ave	3395 259786	11093 822268	26485	58306	120145	5.00 500	20.0 1500	50.0	100	250
Methyl iodide	FB	Ave	8680 886200	37621 2776493	86625	171401	428285	1.00 100	4.00 300	10.0	20.0	50.0
Carbon disulfide	FB	Ave	13696 1483164	62683 4647443	143759	290347	706658	1.00 100	4.00 300	10.0	20.0	50.0
Allyl chloride	FB	Ave	10114 1156176	48463 3532929	110743	227092	552289	1.00 100	4.00 300	10.0	20.0	50.0
Methyl acetate	FB	Ave	4786 683765	25614 2020695	65606	132255	327291	1.00 100	4.00 300	10.0	20.0	50.0
Methylene Chloride	FB	Ave	5701 565692	24116 1734092	55654	111706	271975	1.00 100	4.00 300	10.0	20.0	50.0
t-Butyl alcohol	TBAd10	Ave	6516 463070	20189 1345261	45276	93047	213380	5.00 500	20.0 1500	50.0	100	250
Acrylonitrile	FB	Ave	8519 794406	34386 2431297	80584	154666	381941	2.50 250	10.0 750	25.0	50.0	125
trans-1,2-Dichloroethene	FB	Ave	5046 561408	24390 1755391	52506	108010	268873	1.00 100	4.00 300	10.0	20.0	50.0
Methyl tert-butyl ether	FB	Ave	19672 2037346	84362 6176357	193238	399806	975356	1.00 100	4.00 300	10.0	20.0	50.0
n-Hexane	FB	Ave	9528 963304	41095 3008767	89261	188220	476844	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloroethane	FB	Ave	11295 1182733	50660 3685345	117490	236508	578375	1.00 100	4.00 300	10.0	20.0	50.0
Isopropyl ether	FB	Ave	20615 2209174	92812 6749791	215613	436661	1074348	1.00 100	4.00 300	10.0	20.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	10673 1187836	50083 3671637	115907	231146	570598	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl t-butyl ether	FB	Ave	21234 2139614	87012 6466006	201442	411251	1010801	1.00 100	4.00 300	10.0	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	5869 635209	26313 1950866	62573	123471	302418	1.00 100	4.00 300	10.0	20.0	50.0
2-Butanone (MEK)	FB	Ave	11940 909058	35979 2778945	89838	174989	436327	2.00 200	8.00 600	20.0	40.0	100
2,2-Dichloropropane	FB	Ave	10555 1092217	47223 3375758	111686	215866	525743	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.: 410-164755-1 Analy Batch No.: 484275

SDG No.:

Instrument ID: 15648 GC Column: DB-624 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2024 15:16 Calibration End Date: 03/18/2024 17:16 Calibration ID: 59728

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Propionitrile	TBAd10	Ave	7105 651148	25970 1982057	63426	127668	309276	5.00 500	20.0 1500	50.0	100	250
Methyl acrylate	FB	Ave	5835 900823	33734 2780215	81560	177662	425998	1.00 100	4.00 300	10.0	20.0	50.0
Methacrylonitrile	FB	Ave	8968 847238	35186 2625322	80970	166639	405579	2.50 250	10.0 750	25.0	50.0	125
Bromochloromethane	FB	Ave	2663 293518	11493 897342	26642	55239	138914	1.00 100	4.00 300	10.0	20.0	50.0
Tetrahydrofuran	TBAd10	Ave	5323 546009	22205 1650470	50167	106563	258816	5.00 500	20.0 1500	50.0	100	250
Chloroform	FB	Ave	11758 1099947	47570 3362631	107958	216008	527114	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	9253 1023956	44307 3186175	98164	198733	489208	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexane	FB	Ave	12589 1233527	51218 3880900	115269	242987	606799	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloropropene	FB	Ave	8313 929590	38614 2887460	89622	180397	441740	1.00 100	4.00 300	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	7600 896533	36239 2811272	84258	171279	426920	1.00 100	4.00 300	10.0	20.0	50.0
Isobutyl alcohol	TBAd10	Ave	4377 437520	15993 1281677	39159	83285	197756	12.5 1250	50.0 3750	125	250	625
Benzene	FB	Ave	23489 2514986	106579 7866002	243348	492784	1199400	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	10192 1008545	41329 3083307	97087	197423	488152	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl methyl ether	FB	Ave	19522 1984845	79948 5995261	188646	388499	959443	1.00 100	4.00 300	10.0	20.0	50.0
n-Heptane	FB	Ave	11572 958611	41409 2999143	88898	190584	463263	1.00 100	4.00 300	10.0	20.0	50.0
n-Butanol	TBAd10	Ave	3426 328172	13168 938840	27685	59955	142819	12.5 1250	50.0 3750	125	250	625
Trichloroethene	FB	Ave	6000 649000	27481 2016982	62031	126914	309973	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl acrylate	FB	Ave	8828 1125091	40522 3430902	96814	216386	526228	1.000 100.0	4.00 300	10.00	20.0	50.0
Methylcyclohexane	FB	Ave	9403	46509	106923	222588	550471	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 Environment Testing, LLC Job No.: 410-164755-1 Analy Batch No.: 484275

SDG No.:

Instrument ID: 15648 GC Column: DB-624 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2024 15:16 Calibration End Date: 03/18/2024 17:16 Calibration ID: 59728

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
			1148692	3599091				100	300			
1,2-Dichloropropane	FB	Ave	6272 692199	28461 2146329	64772	134074	326985	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl ethyl ether	FB	Ave	9942 1049118	42423 3222564	99103	199305	498899	1.00 100	4.00 300	10.0	20.0	50.0
Dibromomethane	FB	Ave	3991 405063	16466 1238865	38945	77654	193494	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dioxane	TBAd10	Ave	+++++ 75666	2128 209533	6171	13936	34290	+++++ 1250	50.0 3750	125	250	625
Methyl methacrylate	FB	Ave	6103 589571	22915 1811871	53683	113000	275259	1.00 100	4.00 300	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	7736 841981	33212 2613700	79752	161755	401387	1.00 100	4.00 300	10.0	20.0	50.0
2-Nitropropane	TBAd10	Ave	15525 1700188	66587 5192535	156530	331321	806453	5.00 500	20.0 1500	50.0	100	250
2-Chloroethyl vinyl ether	FB	Ave	4468 504140	18631 1558015	45645	97680	239243	1.00 100	4.00 300	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	10112 1112102	42497 3463385	103180	211290	522860	1.00 100	4.00 300	10.0	20.0	50.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	19586 1990514	76626 5931382	187987	391410	933616	2.00 200	8.00 600	20.0	40.0	100
Toluene	CBZd5	Ave	14473 1632499	68181 5085324	156192	311404	770218	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZd5	Ave	9377 1054858	39811 3277735	96997	198700	490575	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl methacrylate	CBZd5	Ave	9868 1077428	41405 3234769	98648	203342	506296	1.00 100	4.00 300	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZd5	Ave	5514 550987	22321 1690702	51545	103992	265934	1.00 100	4.00 300	10.0	20.0	50.0
Tetrachloroethene	CBZd5	Ave	5977 666697	27385 2100228	63056	127385	317438	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichloropropane	CBZd5	Ave	10029 1026115	41342 3132908	95720	195217	485201	1.00 100	4.00 300	10.0	20.0	50.0
2-Hexanone	CBZd5	Ave	14628 1446683	59475 4318552	137638	281899	673641	2.00 200	8.00 600	20.0	40.0	100
Dibromochloromethane	CBZd5	Ave	5897 635342	23484 1980985	56290	116590	297466	1.00 100	4.00 300	10.0	20.0	50.0
Ethylene Dibromide	CBZd5	Ave	5355 588479	23810 1813665	54980	113033	280191	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.: 410-164755-1 Analy Batch No.: 484275

SDG No.:

Instrument ID: 15648 GC Column: DB-624 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2024 15:16 Calibration End Date: 03/18/2024 17:16 Calibration ID: 59728

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZd5	Ave	15119 1719105	69828 5408377	161619	332387	817075	1.00 100	4.00 300	10.0	20.0	50.0
1-Chlorohexane	CBZd5	Ave	8089 881474	36742 2808120	81723	171451	419182	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZd5	Ave	5185 615024	23579 1916700	54988	114710	290735	1.00 100	4.00 300	10.0	20.0	50.0
Ethylbenzene	CBZd5	Ave	29824 3187705	128869 9967675	306995	611588	1521665	1.00 100	4.00 300	10.0	20.0	50.0
m&p-Xylene	CBZd5	Ave	20810 2447138	96195 7816823	230540	461201	1168006	2.00 200	8.00 600	20.0	40.0	100
o-Xylene	CBZd5	Ave	9775 1206858	48757 3873174	110867	229460	574056	1.00 100	4.00 300	10.0	20.0	50.0
n-Butyl acrylate	CBZd5	Ave	13439 1671299	60133 5187219	149793	325243	794370	1.00 100	4.00 300	10.0	20.0	50.0
Styrene	CBZd5	Ave	16816 2008145	76860 6476087	184317	377409	941841	1.00 100	4.00 300	10.0	20.0	50.0
Bromoform	CBZd5	Ave	4247 475200	16953 1490264	42798	87201	217950	1.00 100	4.00 300	10.0	20.0	50.0
Isopropylbenzene	CBZd5	Ave	25392 2975336	118740 9331574	276504	571035	1413342	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexanone	TBAd10	Ave	15672 432443	65889 1113234	74913	150753	188365	50.0 1250	200 3750	250	500	625
Bromobenzene	DCBd4	Ave	6505 708856	27907 2247597	67371	137219	336870	1.00 100	4.00 300	10.0	20.0	50.0
1,1,2,2-Tetrachloroethane	DCBd4	Ave	8877 900923	36341 2763092	82694	173766	421856	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trichloropropane	DCBd4	Ave	2597 270686	11093 831754	25374	53345	128777	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd4	Ave	8896 948108	34539 2912327	85937	182886	445178	2.50 250	10.0 750	25.0	50.0	125
N-Propylbenzene	DCBd4	Ave	30164 3707069	146056 10881999	341874	707570	1767935	1.00 100	4.00 300	10.0	20.0	50.0
2-Chlorotoluene	DCBd4	Ave	6097 711350	28652 2213808	64949	133501	336001	1.00 100	4.00 300	10.0	20.0	50.0
4-Chlorotoluene	DCBd4	Ave	5930 738909	29585 2362247	68186	137577	350122	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCBd4	Ave	20723 2638628	103266 8483815	236565	494325	1254370	1.00 100	4.00 300	10.0	20.0	50.0
tert-Butylbenzene	DCBd4	Ave	4360	19579	47962	99105	253338	1.00	4.00	10.0	20.0	50.0

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1 Analy Batch No.: 484275

SDG No.:

Instrument ID: 15648 GC Column: DB-624 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2024 15:16 Calibration End Date: 03/18/2024 17:16 Calibration ID: 59728

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
			532183	1700630				100	300			
1,2,4-Trimethylbenzene	DCBd4	Ave	22143 2657800	102186 8425470	239790	497660	1255978	1.00 100	4.00 300	10.0	20.0	50.0
sec-Butylbenzene	DCBd4	Ave	24158 3251459	123249 9951344	291084	601692	1536543	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichlorobenzene	DCBd4	Ave	11441 1351511	52603 4296052	123380	256818	644822	1.00 100	4.00 300	10.0	20.0	50.0
p-Isopropyltoluene	DCBd4	Ave	21883 2827433	106731 8945305	249194	519916	1330733	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dichlorobenzene	DCBd4	Ave	11927 1370693	53929 4360782	124829	259579	649946	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trimethylbenzene	DCBd4	Ave	22745 2663401	104656 8359468	243625	508883	1276926	1.00 100	4.00 300	10.0	20.0	50.0
Benzyl chloride	DCBd4	Ave	17462 2044357	74639 6282403	181843	384868	954619	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Diethylbenzene	DCBd4	Ave	12600 1594387	61797 5092155	142482	292892	755290	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Diethylbenzene	DCBd4	Ave	12810 1672435	61482 5396583	147598	308467	793491	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichlorobenzene	DCBd4	Ave	10924 1321346	49285 4258886	120151	248798	620904	1.00 100	4.00 300	10.0	20.0	50.0
n-Butylbenzene	DCBd4	Ave	10430 1363710	50940 4453237	125377	252904	649201	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Diethylbenzene	DCBd4	Ave	10908 1325801	50980 4244509	120691	247409	624679	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	2169 244056	9292 732825	22375	47429	112778	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trichlorobenzene	DCBd4	Ave	7588 934856	34569 2866099	82926	170809	439116	1.00 100	4.00 300	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCBd4	Ave	6416 889462	32127 2661062	77279	160708	407522	1.00 100	4.00 300	10.0	20.0	50.0
Hexachlorobutadiene	DCBd4	Ave	3026 382754	14449 1124039	32860	69609	179744	1.00 100	4.00 300	10.0	20.0	50.0
2-Ethylhexyl acrylate	DCBd4	Ave	7418 1060908	30776 3136888	81389	182801	469426	1.000 100.0	4.00 300	10.00	20.0	50.0
Naphthalene	DCBd4	Ave	23891 3005097	108648 8774225	255109	549441	1374359	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCBd4	Ave	6546 842413	29689 2475387	70702	150608	380694	1.00 100	4.00 300	10.0	20.0	50.0
2-Methylnaphthalene	DCBd4	Ave	10501	47062	111708	257735	662857	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 Environment Testing, LLC Job No.: 410-164755-1 Analy Batch No.: 484275

SDG No.:

Instrument ID: 15648 GC Column: DB-624 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2024 15:16 Calibration End Date: 03/18/2024 17:16 Calibration ID: 59728

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
			1522842	4311586				100	300			
Dibromofluoromethane (Surr)	FB	Ave	245806 247919	256525 274475	256619	246230	256159	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	388523 383964	404830 422486	407949	391789	399899	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZd5	Ave	1073764 1100866	1111785 1210489	1130441	1078229	1132849	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	403741 414480	423989 462824	432081	409044	431641	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:
Ave = Average ISTD

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1 Analy Batch No.: 484275

SDG No.:

Instrument ID: 15648 GC Column: DB-624 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2024 15:16 Calibration End Date: 03/18/2024 17:16 Calibration ID: 59728

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-484275/12	EN18X12.D
Level 2	IC 410-484275/13	EN18X13.D
Level 3	IC 410-484275/14	EN18X14.D
Level 4	IC 410-484275/15	EN18X15.D
Level 5	ICIS 410-484275/16	EN18X16.D
Level 6	IC 410-484275/17	EN18X17.D
Level 7	IC 410-484275/18	EN18X18.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	-1.4 -5.6	9.0	0.1	2.1	-1.2	-3.0	50 30	30	30	30	30	30
Chloromethane	7.3 -7.5	10.6	-3.7	3.2	-6.0	-4.0	50 30	30	30	30	30	30
1,3-Butadiene	-5.4 -6.6	14.0	-0.8	3.3	-1.5	-3.1	50 30	30	30	30	30	30
Vinyl chloride	-13.0 -3.6	14.3	2.1	4.1	-3.4	-0.5	50 30	30	30	30	30	30
Bromomethane	6.3 -6.5	9.8	-3.7	0.4	-3.2	-3.1	50 30	30	30	30	30	30
Chloroethane	13.8 -8.3	7.7	-3.1	1.6	-6.7	-4.9	50 30	30	30	30	30	30
Dichlorofluoromethane	11.5 -11.2	12.0	-0.8	0.7	-6.4	-5.9	50 30	30	30	30	30	30
n-Pentane	-7.3 -1.4	8.3	-4.7	3.8	-1.7	3.1	50 30	30	30	30	30	30
Trichlorofluoromethane	-4.0 -5.8	10.7	-1.3	4.2	-1.2	-2.5	50 30	30	30	30	30	30
Ethyl ether	1.5 -3.9	-1.8	-0.5	4.9	-3.3	3.2	50 30	30	30	30	30	30
Freon 123a	9.3 -10.3	14.8	-3.8	1.6	-5.5	-6.0	50 30	30	30	30	30	30
Acrolein	11.4 0.0	-4.9	-4.0	0.0	-5.1	2.5	50 30	30	30	30	30	30
1,1-Dichloroethene	-3.3 -1.8	3.9	-1.8	2.4	-3.1	3.7	50 30	30	30	30	30	30
Acetone	4.1 -2.8	6.5	-4.0	1.7	-6.2	0.6	50 30	30	30	30	30	30
Freon 113	-19.8 1.1	6.7	-2.7	7.5	2.2	5.1	50 30	30	30	30	30	30

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1 Analy Batch No.: 484275

SDG No.:

Instrument ID: 15648 GC Column: DB-624 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2024 15:16 Calibration End Date: 03/18/2024 17:16 Calibration ID: 59728

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
2-Propanol	27.3 -5.8	0.3	-5.4	6.2	-14.8	-7.7	50 30	30	30	30	30	30
Methyl iodide	1.4 -3.3	5.8	-3.5	0.2	-3.3	2.7	50 30	30	30	30	30	30
Carbon disulfide	-3.4 -2.2	6.5	-3.4	2.4	-3.6	3.8	50 30	30	30	30	30	30
Allyl chloride	-7.3 -3.4	6.9	-3.3	4.1	-2.1	5.1	50 30	30	30	30	30	30
Methyl acetate	-22.0 -1.8	0.5	1.9	7.8	3.1	10.5	50 30	30	30	30	30	30
Methylene Chloride	3.8 -5.8	5.7	-3.4	1.8	-4.2	2.2	50 30	30	30	30	30	30
t-Butyl alcohol	39.3 -12.2	4.1	-7.8	-3.4	-13.7	-6.2	50 30	30	30	30	30	30
Acrylonitrile	8.9 -7.3	5.9	-1.8	-1.0	-5.5	0.8	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	-5.4 -1.8	10.1	-6.2	1.3	-2.5	4.4	50 30	30	30	30	30	30
Methyl tert-butyl ether	1.3 -5.1	4.6	-5.1	3.0	-2.9	4.1	50 30	30	30	30	30	30
n-Hexane	2.4 -3.5	6.4	-8.5	1.3	-0.9	2.8	50 30	30	30	30	30	30
1,1-Dichloroethane	-1.7 -4.3	6.2	-2.5	3.0	-2.7	2.1	50 30	30	30	30	30	30
Isopropyl ether	-2.7 -4.9	5.6	-2.9	3.2	-1.9	3.5	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-5.6 -3.1	6.7	-2.2	2.3	-2.4	4.3	50 30	30	30	30	30	30
Ethyl t-butyl ether	4.6 -4.9	3.3	-5.4	1.4	-3.7	4.6	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	-2.9 -3.7	4.8	-1.3	2.2	-3.3	4.3	50 30	30	30	30	30	30
2-Butanone (MEK)	31.2 -8.9	-4.7	-5.8	-3.7	-7.2	-0.8	50 30	30	30	30	30	30
2,2-Dichloropropane	-0.8 -5.3	6.9	0.1	1.6	-4.4	1.9	50 30	30	30	30	30	30
Propionitrile	13.8 -3.0	0.4	-3.2	-0.6	-6.2	-1.1	50 30	30	30	30	30	30
Methyl acrylate	-27.2 3.5	1.4	-3.0	10.9	2.8	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 Environment Testing, LLC Job No.: 410-164755-1 Analy Batch No.: 484275

SDG No.:

Instrument ID: 15648 GC Column: DB-624 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2024 15:16 Calibration End Date: 03/18/2024 17:16 Calibration ID: 59728

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	9.0 -4.8	3.0	-6.2	1.4	-4.6	2.2	50 30	30	30	30	30	30
Bromochloromethane	-2.0 -1.4	1.9	-6.5	1.8	-1.1	7.2	50 30	30	30	30	30	30
Tetrahydrofuran	4.2 -1.3	4.9	-6.4	1.4	-4.1	1.3	50 30	30	30	30	30	30
Chloroform	9.1 -6.9	6.3	-4.5	0.3	-5.4	1.3	50 30	30	30	30	30	30
1,1,1-Trichloroethane	-5.3 -2.7	9.3	-4.2	1.8	-3.1	4.1	50 30	30	30	30	30	30
Cyclohexane	5.4 -3.1	3.3	-8.0	1.8	-1.8	2.5	50 30	30	30	30	30	30
1,1-Dichloropropene	-5.5 -2.1	5.7	-2.8	2.6	-2.9	4.9	50 30	30	30	30	30	30
Carbon tetrachloride	-9.0 0.4	4.5	-3.8	2.6	-1.2	6.5	50 30	30	30	30	30	30
Isobutyl alcohol	10.2 -1.5	-2.9	-6.1	1.8	-5.8	4.3	50 30	30	30	30	30	30
Benzene	-2.5 -2.6	6.6	-3.7	2.4	-3.7	3.6	50 30	30	30	30	30	30
1,2-Dichloroethane	5.0 -5.2	2.6	-4.6	1.8	-2.7	3.1	50 30	30	30	30	30	30
t-Amyl methyl ether	3.2 -5.4	1.9	-4.9	2.8	-1.8	4.2	50 30	30	30	30	30	30
n-Heptane	20.9 -6.5	4.2	-11.4	-0.3	-6.4	-0.6	50 30	30	30	30	30	30
n-Butanol	15.1 -3.6	6.7	-11.4	-2.1	-9.2	4.5	50 30	30	30	30	30	30
Trichloroethene	-3.1 -2.8	6.9	-4.5	2.6	-3.2	4.0	50 30	30	30	30	30	30
Ethyl acrylate	-12.0 2.0	-2.7	-8.0	7.9	1.5	11.3	50 30	30	30	30	30	30
Methylcyclohexane	-11.9 0.6	4.9	-4.5	4.4	-0.3	6.8	50 30	30	30	30	30	30
1,2-Dichloropropane	-3.7 -1.7	5.2	-5.2	3.0	-2.9	5.4	50 30	30	30	30	30	30
t-Amyl ethyl ether	0.5 -2.8	3.3	-4.5	0.8	-2.5	5.2	50 30	30	30	30	30	30
Dibromomethane	3.4 -4.2	2.8	-3.8	0.7	-3.0	4.2	50 30	30	30	30	30	30

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1 Analy Batch No.: 484275

SDG No.:

Instrument ID: 15648 GC Column: DB-624 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2024 15:16 Calibration End Date: 03/18/2024 17:16 Calibration ID: 59728

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	+++++ 1.5	-18.6	-6.8	7.3	2.9	13.7	30	50	30	30	30	30
Methyl methacrylate	9.6 -2.9	-0.9	-8.1	1.6	-4.4	5.1	50 30	30	30	30	30	30
Bromodichloromethane	-2.2 -1.4	1.2	-3.8	2.4	-1.8	5.7	50 30	30	30	30	30	30
2-Nitropropane	-1.0 1.1	2.4	-5.0	2.6	-2.7	2.7	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	-3.7 0.2	-3.3	-6.2	5.4	-0.3	7.8	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-2.0 0.1	-0.8	-4.7	2.5	-2.0	6.9	50 30	30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	4.6 -5.5	-1.4	-4.3	4.6	-3.6	5.5	50 30	30	30	30	30	30
Toluene	-4.8 -1.9	7.2	-2.6	1.7	-4.1	4.4	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-2.2 0.3	-0.8	-4.1	2.9	-3.1	6.9	50 30	30	30	30	30	30
Ethyl methacrylate	0.5 -3.4	0.7	-4.8	2.8	-2.4	6.6	50 30	30	30	30	30	30
1,1,2-Trichloroethane	6.5 -4.2	3.0	-5.6	-0.3	-2.8	3.4	50 30	30	30	30	30	30
Tetrachloroethene	-3.8 -0.8	5.3	-3.7	1.8	-3.2	4.3	50 30	30	30	30	30	30
1,3-Dichloropropane	4.8 -4.0	3.2	-5.2	1.2	-4.0	4.1	50 30	30	30	30	30	30
2-Hexanone	7.4 -7.0	4.3	-4.2	2.7	-6.4	3.2	50 30	30	30	30	30	30
Dibromochloromethane	2.6 1.1	-2.4	-7.2	0.7	-2.0	7.4	50 30	30	30	30	30	30
Ethylene Dibromide	-1.9 -2.5	4.2	-4.5	2.8	-2.8	4.7	50 30	30	30	30	30	30
Chlorobenzene	-5.2 -0.5	4.6	-3.9	3.4	-3.0	4.7	50 30	30	30	30	30	30
1-Chlorohexane	-2.1 -0.4	6.2	-6.3	3.0	-4.0	3.6	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-6.5 1.4	1.5	-6.0	2.7	-0.8	7.7	50 30	30	30	30	30	30
Ethylbenzene	-0.2 -2.1	3.1	-2.6	1.6	-3.6	3.7	50 30	30	30	30	30	30

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1 Analy Batch No.: 484275

SDG No.:

Instrument ID: 15648 GC Column: DB-624 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2024 15:16 Calibration End Date: 03/18/2024 17:16 Calibration ID: 59728

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	-7.4 2.0	2.2	-2.8	1.8	-1.6	5.8	50 30	30	30	30	30	30
o-Xylene	-11.5 2.9	5.5	-4.8	3.2	-1.6	6.2	50 30	30	30	30	30	30
n-Butyl acrylate	-10.1 1.8	-3.9	-5.0	8.0	0.6	8.6	50 30	30	30	30	30	30
Styrene	-7.8 4.1	0.6	-4.2	2.7	-2.3	6.9	50 30	30	30	30	30	30
Bromoform	-0.2 2.7	-4.9	-4.7	1.7	-3.1	8.5	50 30	30	30	30	30	30
Isopropylbenzene	-7.1 0.1	3.8	-4.1	3.7	-2.1	5.7	50 30	30	30	30	30	30
Cyclohexanone	4.7 -9.1	6.2	-4.6	-2.1	-4.7	9.5	50 30	30	30	30	30	30
Bromobenzene	-0.1 -4.6	2.5	-2.0	4.0	-3.6	3.9	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	7.0 -8.0	4.7	-5.6	3.4	-5.3	3.7	50 30	30	30	30	30	30
1,2,3-Trichloropropane	3.4 -8.4	5.7	-4.2	4.9	-4.4	3.0	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	4.3 -5.7	-3.2	-4.6	5.8	-2.8	6.1	50 30	30	30	30	30	30
N-Propylbenzene	-8.5 -8.8	5.9	-1.8	6.0	-0.1	7.4	50 30	30	30	30	30	30
2-Chlorotoluene	-4.9 -4.5	6.9	-4.0	2.9	-2.3	6.0	50 30	30	30	30	30	30
4-Chlorotoluene	-10.5 -1.4	6.8	-2.5	2.6	-1.5	6.5	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-11.7 -0.1	5.2	-4.5	4.0	-0.4	7.4	50 30	30	30	30	30	30
tert-Butylbenzene	-7.5 -0.3	-0.6	-3.6	3.9	0.2	7.9	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-6.6 -1.8	3.1	-4.2	3.7	-1.3	7.1	50 30	30	30	30	30	30
sec-Butylbenzene	-14.6 -2.8	4.1	-2.6	5.0	1.2	9.7	50 30	30	30	30	30	30
1,3-Dichlorobenzene	-6.0 -2.4	3.4	-4.0	4.2	-1.3	6.1	50 30	30	30	30	30	30
p-Isopropyltoluene	-11.6 -0.1	3.1	-4.6	3.8	0.2	9.1	50 30	30	30	30	30	30

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1 Analy Batch No.: 484275

SDG No.:

Instrument ID: 15648 GC Column: DB-624 20m ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2024 15:16 Calibration End Date: 03/18/2024 17:16 Calibration ID: 59728

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	-3.7 -2.7	4.1	-4.5	3.5	-2.2	5.7	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-5.4 -3.9	4.1	-4.0	4.5	-1.0	5.8	50 30	30	30	30	30	30
Benzyl chloride	-3.2 -3.7	-1.0	-4.5	5.4	-1.3	8.3	50 30	30	30	30	30	30
1,3-Diethylbenzene	-10.7 -0.2	4.8	-4.3	2.6	-0.2	8.0	50 30	30	30	30	30	30
1,4-Diethylbenzene	-12.4 2.0	0.5	-4.4	4.1	1.1	9.2	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-7.1 0.1	0.2	-3.2	4.5	-1.6	7.3	50 30	30	30	30	30	30
n-Butylbenzene	-13.5 2.1	1.0	-1.5	3.6	0.3	8.0	50 30	30	30	30	30	30
1,2-Diethylbenzene	-7.8 -0.8	3.1	-3.3	3.3	-1.6	7.1	50 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	-0.8 -7.4	1.6	-3.1	7.1	-3.9	6.6	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-7.1 -3.0	1.2	-3.8	3.3	0.2	9.3	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-14.9 -2.5	1.9	-2.9	5.2	0.7	12.6	50 30	30	30	30	30	30
Hexachlorobutadiene	-8.5 -6.0	4.5	-5.8	4.0	1.3	10.6	50 30	30	30	30	30	30
2-Ethylhexyl acrylate	-12.1 2.7	-12.8	-8.6	7.0	3.7	20.1	50 30	30	30	30	30	30
Naphthalene	-7.0 -5.6	1.2	-5.9	5.7	-0.2	11.8	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-7.9 -3.8	-0.1	-5.8	4.6	-0.2	13.2	50 30	30	30	30	30	30
2-Methylnaphthalene	-12.4 -0.6	-6.1	-11.7	6.2	3.1	21.4	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	-0.2 -0.2	0.4	-0.6	0.1	0.6	-0.1	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	0.5 -2.2	0.9	0.6	1.5	0.1	-1.4	50 30	30	30	30	30	30
Toluene-d8 (Surr)	0.4 -0.4	-0.7	0.2	0.1	0.3	0.0	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-0.6 0.3	-0.3	0.9	0.0	0.6	-0.9	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X12.D
Lims ID: IC v1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 18-Mar-2024 15:16:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0108929-012
Misc. Info.: LG 1
Operator ID: jml01693 Instrument ID: 15648
Sublist: chrom-MSVoa_15648*sub75

Method: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2024 19:28:07 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: K4WN Date: 18-Mar-2024 17:54:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.092	1.116	-0.024	98	10032	1.00	0.9859	
4 Chloromethane	50	1.207	1.226	-0.019	98	10237	1.00	1.07	
5 Butadiene	39	1.256	1.268	-0.012	89	10147	1.00	0.9456	M
6 Vinyl chloride	62	1.281	1.287	-0.006	97	7706	1.00	0.8695	
8 Bromomethane	94	1.445	1.457	-0.012	95	5837	1.00	1.06	
9 Chloroethane	64	1.470	1.482	-0.012	97	5907	1.00	1.14	
10 Dichlorofluoromethane	67	1.585	1.598	-0.013	96	15564	1.00	1.12	
11 Pentane	43	1.640	1.652	-0.012	94	10369	1.00	0.9266	
12 Trichlorofluoromethane	101	1.653	1.665	-0.013	52	10607	1.00	0.9604	
14 Ethyl ether	59	1.750	1.768	-0.018	92	5352	1.00	1.02	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	1.768	1.799	-0.031	85	8853	1.00	1.09	
16 Acrolein	56	1.835	1.854	-0.019	95	19425	10.0	11.1	
17 1,1-Dichloroethene	96	1.915	1.933	-0.018	94	4606	1.00	0.9669	
18 Acetone	58	1.939	1.951	-0.012	89	1553	2.00	2.08	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.945	1.963	-0.018	60	4369	1.00	0.8017	
20 Isopropyl alcohol	45	2.024	2.037	-0.013	34	3395	5.00	6.36	M
21 Iodomethane	142	2.030	2.037	-0.007	98	8680	1.00	1.01	
22 Carbon disulfide	76	2.079	2.091	-0.012	100	13696	1.00	0.9656	
25 3-Chloro-1-propene	41	2.159	2.177	-0.019	88	10114	1.00	0.9265	
26 Methyl acetate	43	2.177	2.177	0.000	97	4786	1.00	0.7795	M
27 Methylene Chloride	84	2.256	2.268	-0.012	35	5701	1.00	1.04	
* 28 t-Butyl alcohol-d10 (IS)	65	2.256	2.268	-0.012	98	208339	250.0	250.0	
29 2-Methyl-2-propanol	59	2.335	2.335	0.000	49	6516	5.00	6.96	
30 Acrylonitrile	53	2.445	2.445	0.000	92	8519	2.50	2.72	
32 trans-1,2-Dichloroethene	96	2.476	2.488	-0.012	93	5046	1.00	0.9458	
31 Methyl tert-butyl ether	73	2.476	2.494	-0.018	97	19672	1.00	1.01	
33 Hexane	57	2.713	2.725	-0.012	93	9528	1.00	1.02	
34 1,1-Dichloroethane	63	2.829	2.841	-0.012	95	11295	1.00	0.9826	
36 Isopropyl ether	45	2.902	2.921	-0.019	92	20615	1.00	0.9735	
37 2-Chloro-1,3-butadiene	53	2.921	2.927	-0.006	81	10673	1.00	0.9440	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	3.238	3.244	-0.006	98	21234	1.00	1.05	
40 cis-1,2-Dichloroethene	96	3.359	3.366	-0.007	86	5869	1.00	0.9706	
39 2-Butanone (MEK)	43	3.366	3.372	-0.006	58	11940	2.00	2.62	M
41 2,2-Dichloropropane	77	3.359	3.378	-0.019	59	10555	1.00	0.99	
42 Propionitrile	54	3.427	3.427	0.000	90	7105	5.00	5.69	
186 Methyl acrylate	55	3.463	3.475	-0.012	65	5835	1.00	0.7281	
44 Methacrylonitrile	67	3.567	3.567	0.000	86	8968	2.50	2.73	
45 Chlorobromomethane	128	3.567	3.585	-0.018	93	2663	1.00	0.9804	
46 Tetrahydrofuran	71	3.628	3.628	0.000	93	5323	5.00	5.21	
47 Chloroform	83	3.652	3.664	-0.012	96	11758	1.00	1.09	
$ 48 Dibromofluoromethane (Surr)	113	3.805	3.817	-0.012	93	245806	50.0	49.9	
49 1,1,1-Trichloroethane	97	3.847	3.847	0.000	64	9253	1.00	0.9474	
51 Cyclohexane	56	3.890	3.902	-0.012	93	12589	1.00	1.05	
52 1,1-Dichloropropene	75	3.987	4.000	-0.013	86	8313	1.00	0.9450	
53 Carbon tetrachloride	117	3.994	4.006	-0.012	73	7600	1.00	0.9097	
54 Isobutyl alcohol	41	4.122	4.128	-0.006	32	4377	12.5	13.8	
$ 55 1,2-Dichloroethane-d4 (Surr)	65	4.128	4.134	-0.006	97	388523	50.0	50.3	
56 Benzene	78	4.183	4.195	-0.013	96	23489	1.00	0.9749	
57 1,2-Dichloroethane	62	4.201	4.207	-0.006	91	10192	1.00	1.05	
59 Tert-amyl methyl ether	73	4.317	4.323	-0.006	94	19522	1.00	1.03	
* 60 Fluorobenzene (IS)	96	4.463	4.469	-0.006	97	1045068	50.0	50.0	
61 n-Heptane	43	4.481	4.487	-0.006	36	11572	1.00	1.21	
62 n-Butanol	56	4.804	4.792	0.012	76	3426	12.5	14.4	
63 Trichloroethene	95	4.835	4.835	0.000	91	6000	1.00	0.9690	
195 Ethyl acrylate	55	4.963	4.969	-0.006	97	8828	1.00	0.8798	
64 Methylcyclohexane	83	5.030	5.036	-0.006	86	9403	1.00	0.8808	
65 1,2-Dichloropropane	63	5.048	5.054	-0.006	84	6272	1.00	0.9625	
66 2-ethoxy-2-methyl butane	87	5.121	5.127	-0.006	92	9942	1.00	1.00	
67 Dibromomethane	93	5.164	5.170	-0.006	90	3991	1.00	1.03	
68 1,4-Dioxane	88	5.201	5.194	0.007	0	217	12.5	4.30	M
69 Methyl methacrylate	69	5.213	5.207	0.006	94	6103	1.00	1.10	
71 Dichlorobromomethane	83	5.347	5.347	0.000	96	7736	1.00	0.9782	
72 2-Nitropropane	41	5.572	5.579	-0.007	99	15525	5.00	4.95	
73 2-Chloroethyl vinyl ether	63	5.682	5.682	0.000	92	4468	1.00	0.9630	
74 cis-1,3-Dichloropropene	75	5.822	5.822	0.000	88	10112	1.00	0.9797	
75 4-Methyl-2-pentanone (MIBK)	43	5.999	5.999	0.000	98	19586	2.00	2.09	
$ 77 Toluene-d8 (Surr)	98	6.103	6.103	0.000	95	1073764	50.0	50.2	
S 76 1,2-Dichloroethene, Total	100				0			1.92	
78 Toluene	92	6.176	6.176	0.000	97	14473	1.00	0.9522	
79 trans-1,3-Dichloropropene	75	6.432	6.426	0.006	97	9377	1.00	0.9782	
81 Ethyl methacrylate	69	6.560	6.560	0.000	93	9868	1.00	1.00	
82 1,1,2-Trichloroethane	97	6.609	6.615	-0.006	93	5514	1.00	1.06	
83 Tetrachloroethene	166	6.761	6.767	-0.006	95	5977	1.00	0.9625	
84 1,3-Dichloropropane	76	6.792	6.792	0.000	95	10029	1.00	1.05	
86 2-Hexanone	43	6.920	6.914	0.006	97	14628	2.00	2.15	
87 Chlorodibromomethane	129	7.036	7.036	0.000	87	5897	1.00	1.03	
89 Ethylene Dibromide	107	7.139	7.145	-0.006	97	5355	1.00	0.9810	
* 90 Chlorobenzene-d5 (IS)	117	7.639	7.639	0.000	90	763724	50.0	50.0	
91 Chlorobenzene	112	7.664	7.670	-0.006	94	15119	1.00	0.9478	
92 1-Chlorohexane	91	7.682	7.682	0.000	89	8089	1.00	0.9785	
94 1,1,1,2-Tetrachloroethane	131	7.755	7.761	-0.006	92	5185	1.00	0.9347	
95 Ethylbenzene	91	7.792	7.792	0.000	99	29824	1.00	1.00	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
96 m-Xylene & p-Xylene	106	7.907	7.907	0.000	99	20810	2.00	1.85	
97 o-Xylene	106	8.261	8.261	0.000	97	9775	1.00	0.8854	
274 n-Butyl acrylate	55	8.273	8.267	0.006	84	13439	1.00	0.8994	
98 Styrene	104	8.279	8.273	0.006	94	16816	1.00	0.9216	
99 Bromoform	173	8.413	8.413	0.000	88	4247	1.00	1.00	
100 Isopropylbenzene	105	8.584	8.584	0.000	96	25392	1.00	0.9288	
101 Cyclohexanone	55	8.639	8.639	0.000	93	15672	50.0	52.4	
$ 103 4-Bromofluorobenzene (Surr)	95	8.700	8.700	0.000	85	403741	50.0	49.7	
104 Bromobenzene	156	8.810	8.810	0.000	97	6505	1.00	1.00	
105 1,1,2,2-Tetrachloroethane	83	8.828	8.828	0.000	93	8877	1.00	1.07	
106 1,2,3-Trichloropropane	110	8.858	8.852	0.006	89	2597	1.00	1.03	
107 trans-1,4-Dichloro-2-butene	53	8.877	8.877	0.000	85	8896	2.50	2.61	
108 N-Propylbenzene	91	8.919	8.925	-0.006	99	30164	1.00	0.9146	
109 2-Chlorotoluene	126	8.974	8.974	0.000	95	6097	1.00	0.9511	
111 4-Chlorotoluene	126	9.066	9.066	0.000	97	5930	1.00	0.8951	
110 1,3,5-Trimethylbenzene	105	9.066	9.066	0.000	93	20723	1.00	0.8830	
113 tert-Butylbenzene	134	9.310	9.316	-0.006	93	4360	1.00	0.9252	
115 1,2,4-Trimethylbenzene	105	9.352	9.346	0.006	98	22143	1.00	0.9340	
116 sec-Butylbenzene	105	9.474	9.480	-0.006	96	24158	1.00	0.8535	
117 1,3-Dichlorobenzene	146	9.547	9.547	0.000	95	11441	1.00	0.9400	
118 4-Isopropyltoluene	119	9.590	9.590	0.000	47	21883	1.00	0.8843	a
* 119 1,4-Dichlorobenzene-d4	152	9.596	9.596	0.000	97	423421	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.608	9.608	0.000	93	11927	1.00	0.9626	
121 1,2,3-Trimethylbenzene	105	9.657	9.657	0.000	99	22745	1.00	0.9458	
122 Benzyl chloride	91	9.712	9.712	0.000	99	17462	1.00	0.9683	
123 1,3-Diethylbenzene	119	9.809	9.809	0.000	95	12600	1.00	0.8934	
124 p-Diethylbenzene	119	9.864	9.864	0.000	94	12810	1.00	0.8756	
125 1,2-Dichlorobenzene	146	9.877	9.877	0.000	94	10924	1.00	0.9286	
126 n-Butylbenzene	92	9.883	9.883	0.000	97	10430	1.00	0.8649	
162 o-diethylbenzene	119	9.944	9.944	0.000	93	10908	1.00	0.9223	
S 163 1,3-Dichloropropene, Total	100				0			1.96	
164 1,2-Dibromo-3-Chloropropane	75	10.413	10.413	0.000	74	2169	1.00	0.99	
165 1,3,5-Trichlorobenzene	180	10.565	10.565	0.000	92	7588	1.00	0.9289	
166 1,2,4-Trichlorobenzene	180	10.974	10.974	0.000	92	6416	1.00	0.8505	
167 Hexachlorobutadiene	225	11.090	11.090	0.000	91	3026	1.00	0.9152	
271 2-Ethylhexyl acrylate	55	11.114	11.114	0.000	82	7418	1.00	0.8788	
168 Naphthalene	128	11.132	11.126	0.006	99	23891	1.00	0.9304	
S 169 Xylenes, Total	106				0			2.74	
170 1,2,3-Trichlorobenzene	180	11.285	11.285	0.000	92	6546	1.00	0.9207	
171 2-Methylnaphthalene	142	11.852	11.846	0.006	93	10501	1.00	0.8763	
S 194 Total Diethylbenzene	1				0			2.69	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_4ppbEE_00574	Amount Added:	12.50	Units: mL	
MSV_Cent_ISSS_00023	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 18-Mar-2024 19:28:08 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X12.D

Injection Date: 18-Mar-2024 15:16:30 Instrument ID: 15648 Operator ID: jml01693

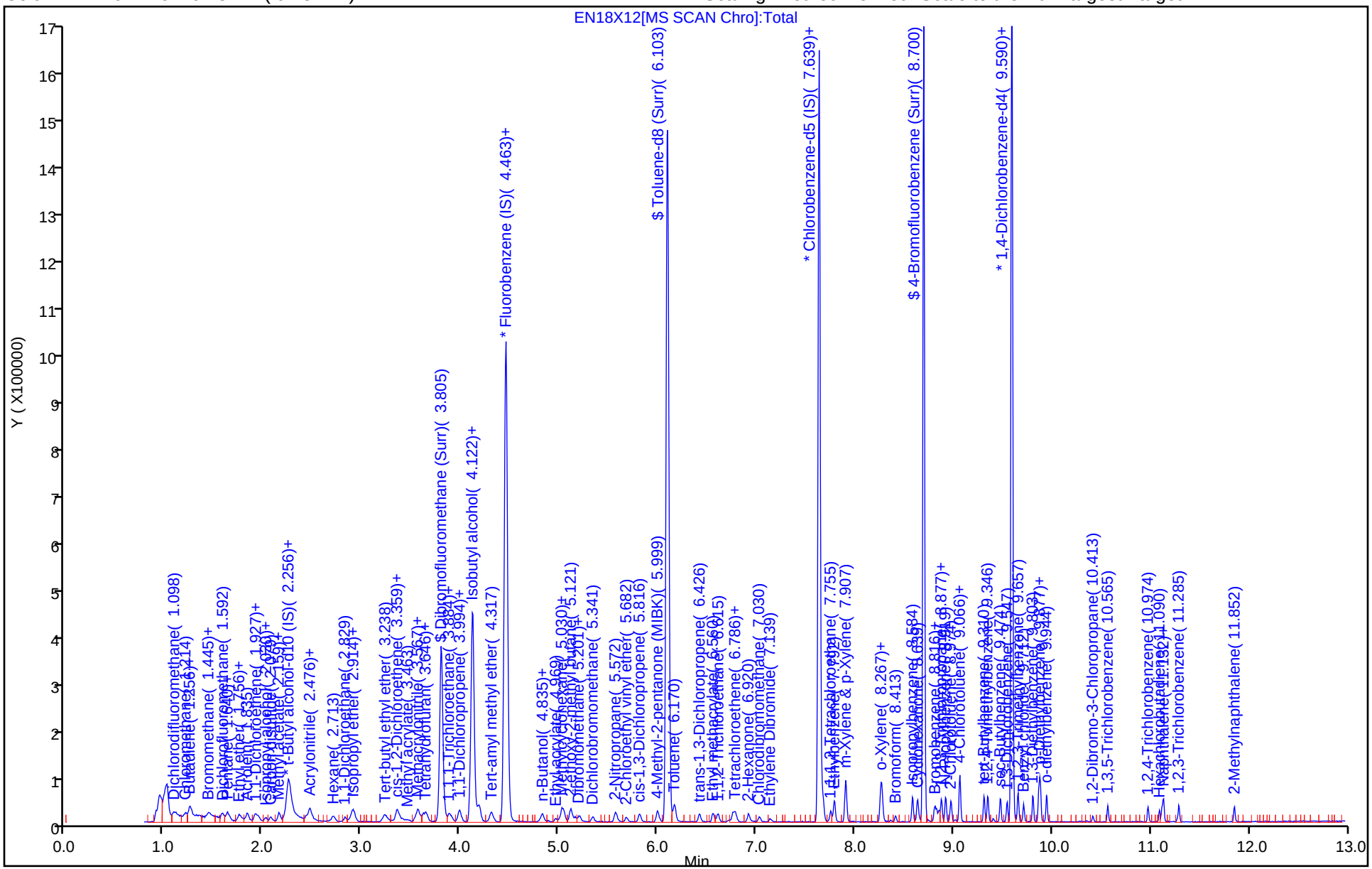
Lims ID: IC v1 Worklist Smp#: 12

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 12

Method: MSVoa_15648 Limit Group: MSV - 8260C_D

Column: DB-624 20m 0.18mm (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

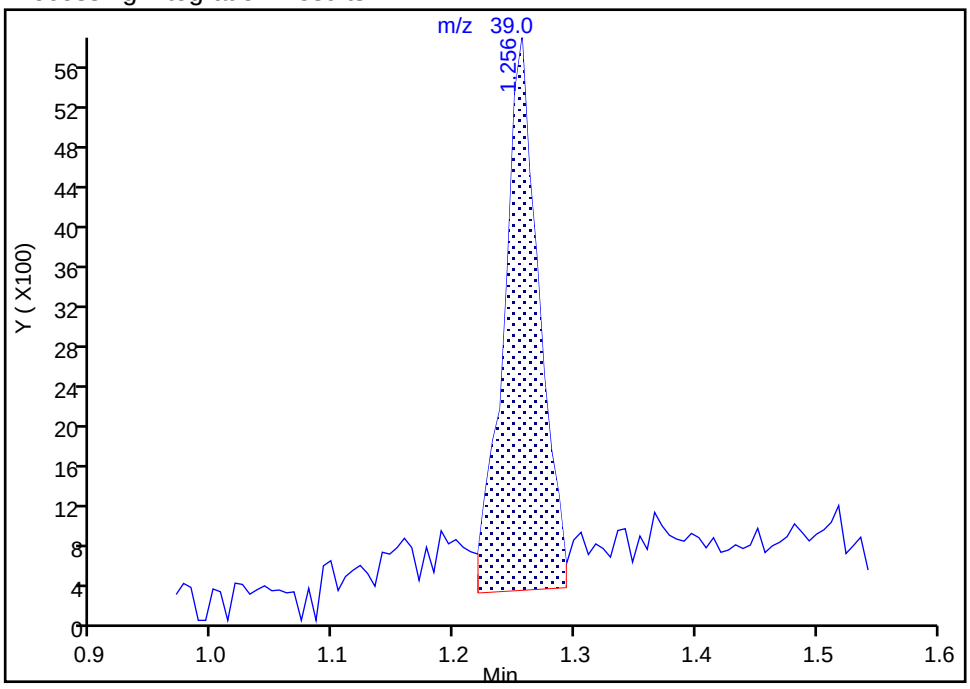
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X12.D				
Injection Date:	18-Mar-2024 15:16:30	Instrument ID:	15648		
Lims ID:	IC v1				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

5 Butadiene, CAS: 106-99-0

Signal: 1

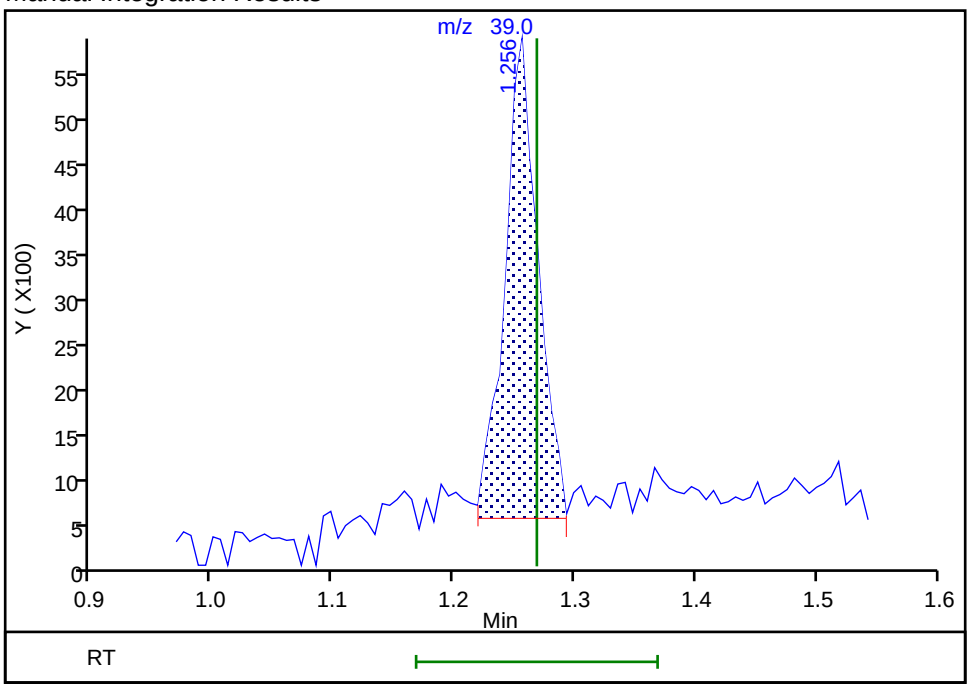
Processing Integration Results

RT: 1.26
Area: 11248
Amount: 1.025597
Amount Units: ug/l



Manual Integration Results

RT: 1.26
Area: 10147
Amount: 0.945623
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 17:53:23 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

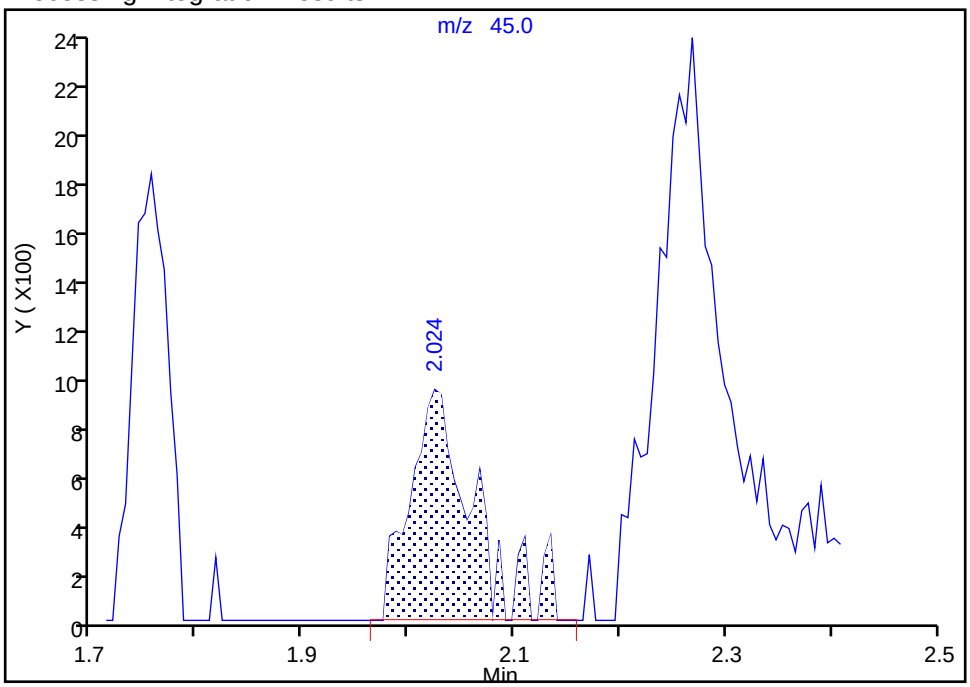
Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X12.D
Injection Date: 18-Mar-2024 15:16:30 Instrument ID: 15648
Lims ID: IC v1
Client ID:
Operator ID: jml01693 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15648 Limit Group: MSV - 8260C_D
Column: DB-624 20m 0.18mm (0.18 mm) Detector MS Quad

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

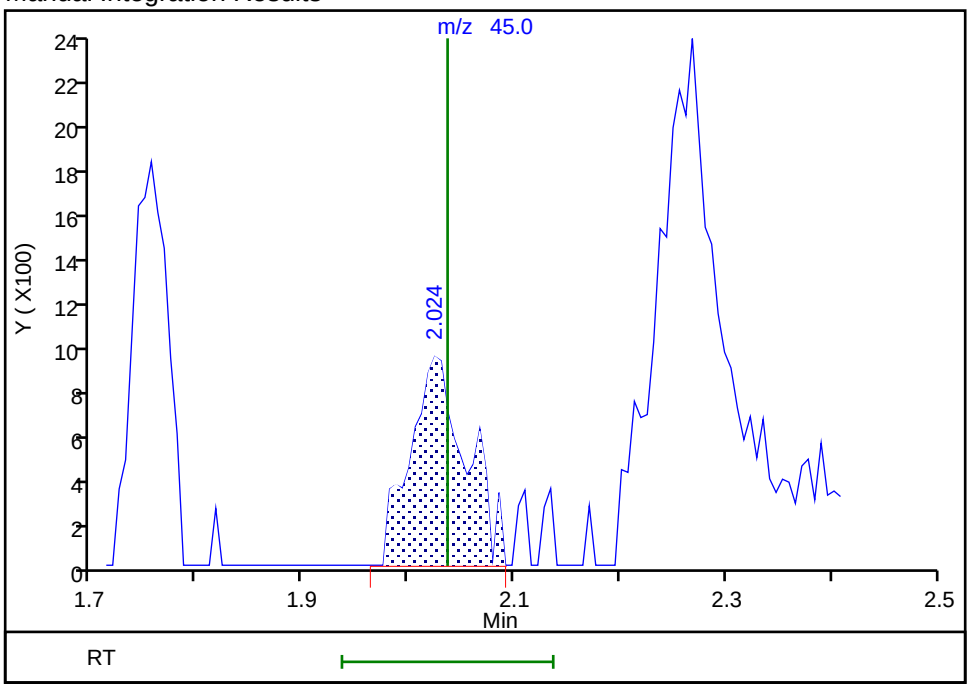
Processing Integration Results

RT: 2.02
Area: 3829
Amount: 7.013723
Amount Units: ug/l



Manual Integration Results

RT: 2.02
Area: 3395
Amount: 6.363282
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 18:03:16 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

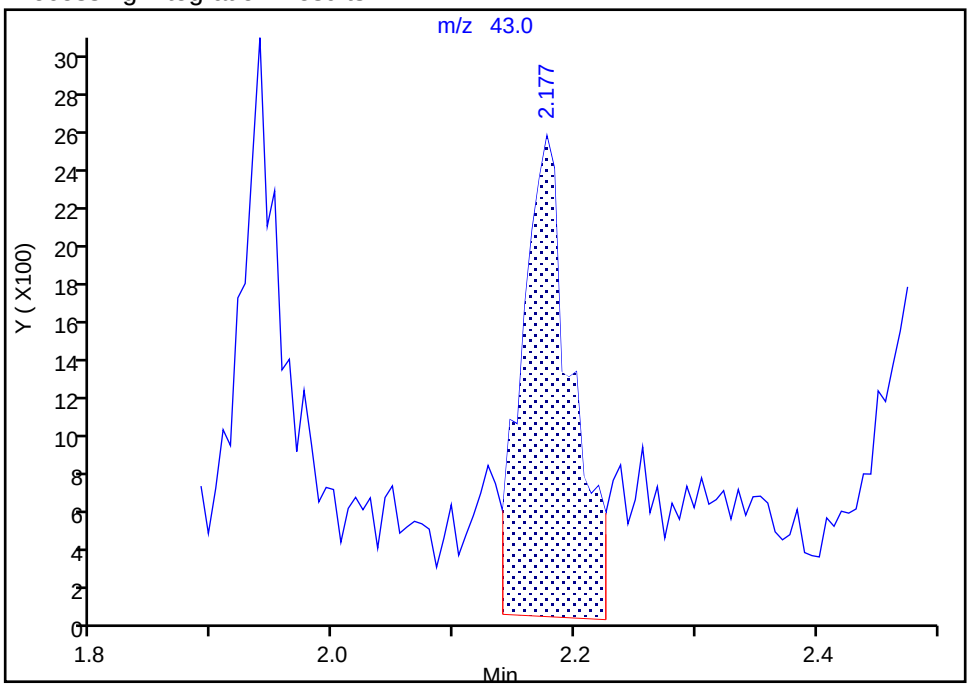
Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X12.D
Injection Date: 18-Mar-2024 15:16:30 Instrument ID: 15648
Lims ID: IC v1
Client ID:
Operator ID: jml01693 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15648 Limit Group: MSV - 8260C_D
Column: DB-624 20m 0.18mm (0.18 mm) Detector MS Quad

26 Methyl acetate, CAS: 79-20-9

Signal: 1

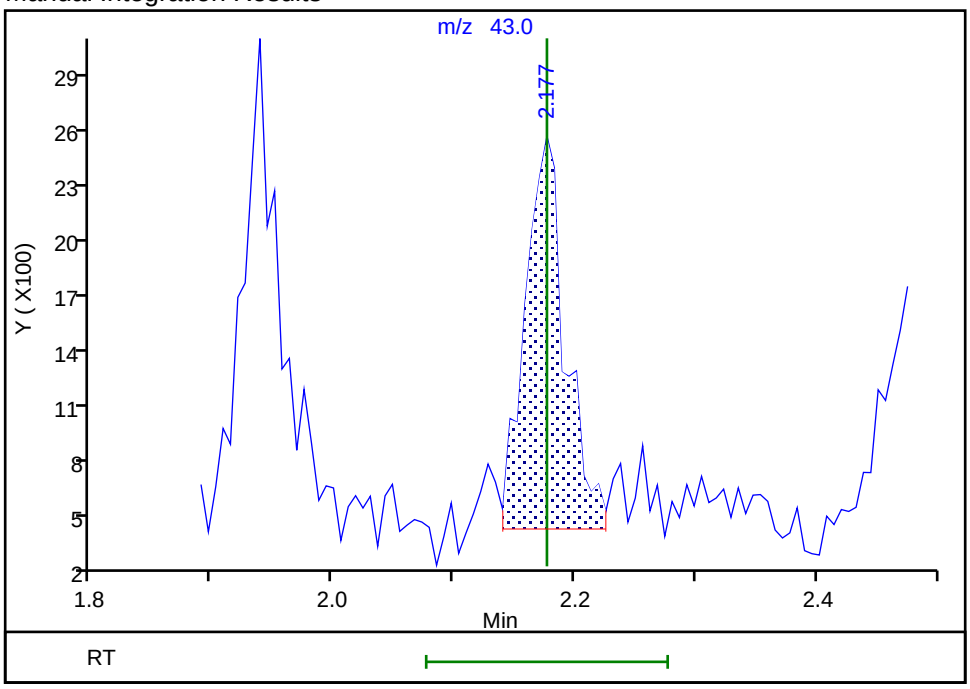
Processing Integration Results

RT: 2.18
Area: 7277
Amount: 1.120308
Amount Units: ug/l



Manual Integration Results

RT: 2.18
Area: 4786
Amount: 0.779520
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 17:53:52 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

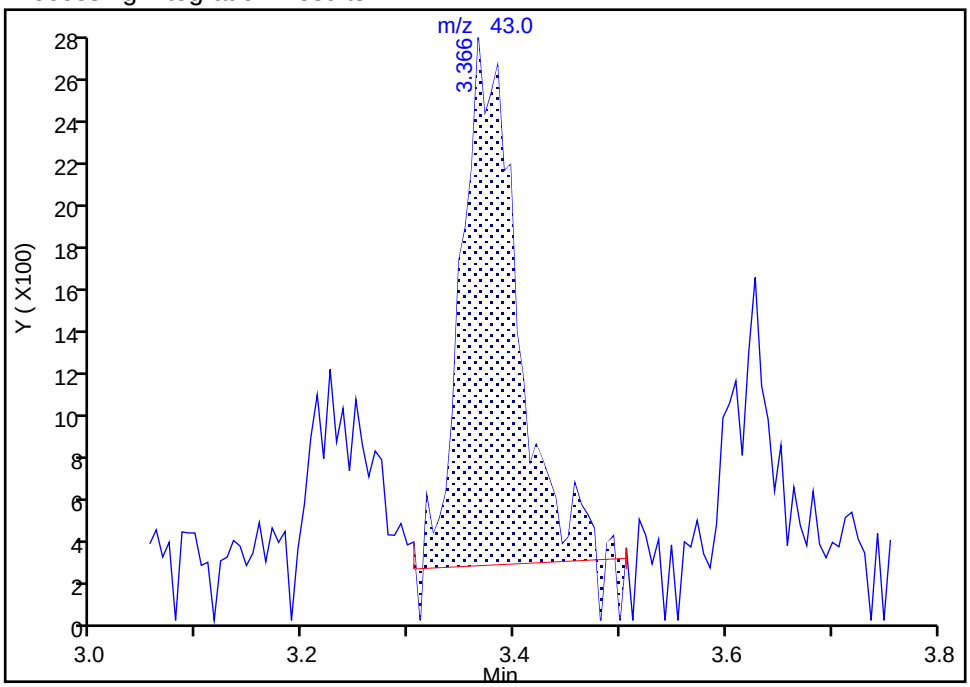
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X12.D				
Injection Date:	18-Mar-2024 15:16:30	Instrument ID:	15648		
Lims ID:	IC v1				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

39 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

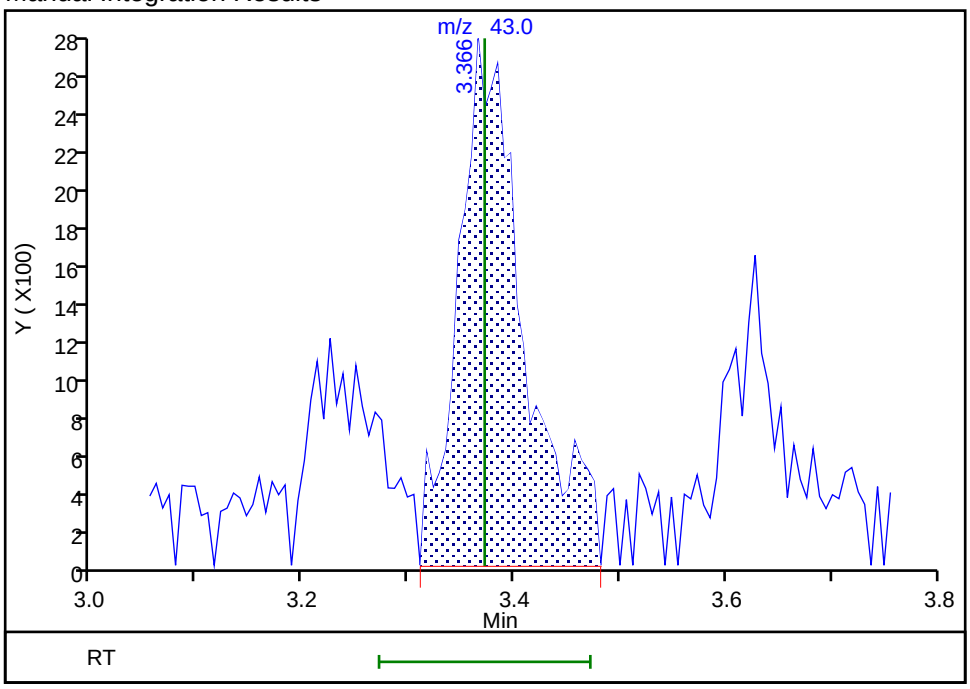
Processing Integration Results

RT: 3.37
Area: 9135
Amount: 2.100669
Amount Units: ug/l



Manual Integration Results

RT: 3.37
Area: 11940
Amount: 2.624769
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 17:54:03 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

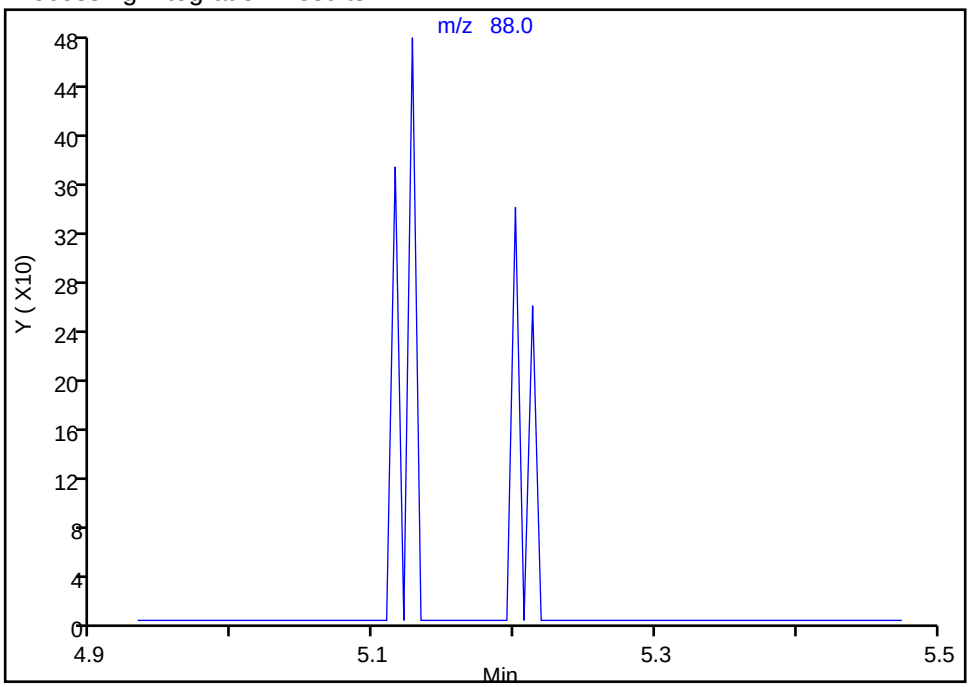
Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X12.D
Injection Date: 18-Mar-2024 15:16:30 Instrument ID: 15648
Lims ID: IC v1
Client ID:
Operator ID: jml01693 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15648 Limit Group: MSV - 8260C_D
Column: DB-624 20m 0.18mm (0.18 mm) Detector MS Quad

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

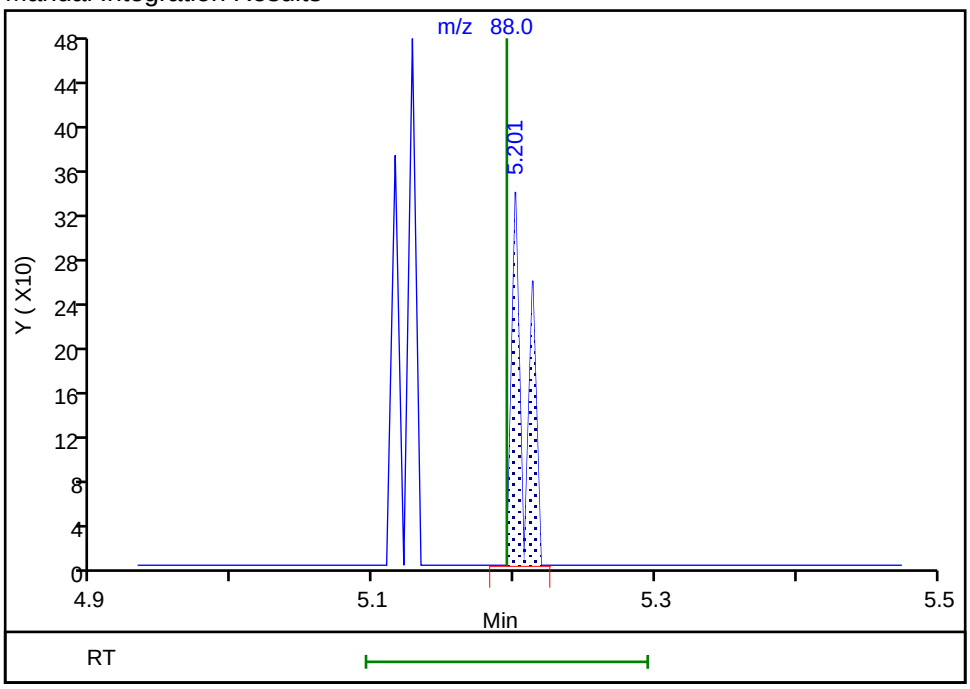
Not Detected
Expected RT: 5.19

Processing Integration Results



Manual Integration Results

RT: 5.20
Area: 217
Amount: 4.300817
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 17:54:13 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

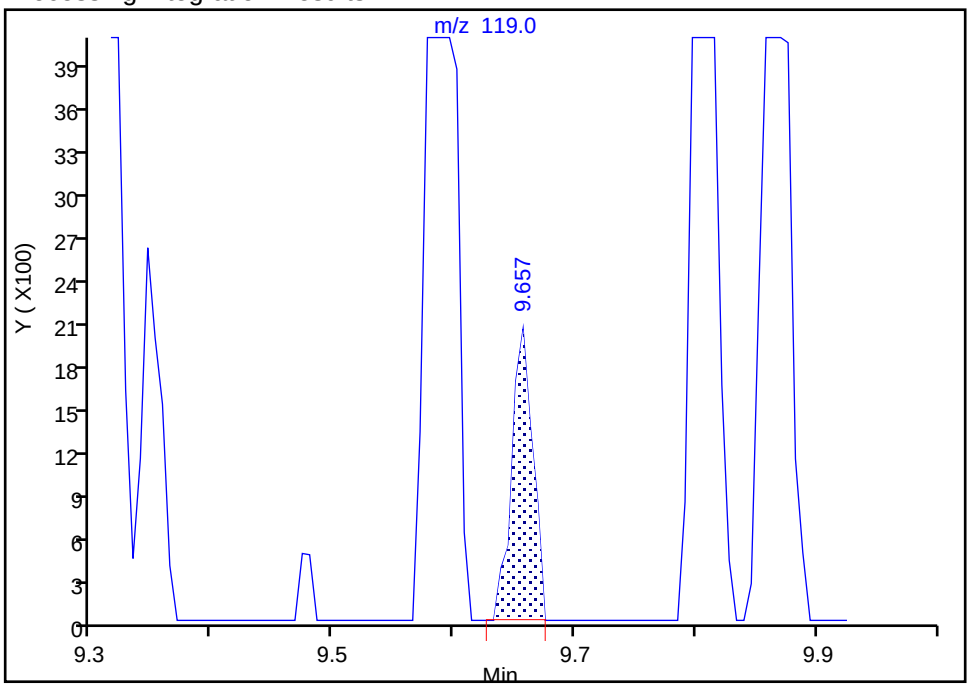
Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X12.D
Injection Date: 18-Mar-2024 15:16:30 Instrument ID: 15648
Lims ID: IC v1
Client ID:
Operator ID: jml01693 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15648 Limit Group: MSV - 8260C_D
Column: DB-624 20m 0.18mm (0.18 mm) Detector MS Quad

118 4-Isopropyltoluene, CAS: 99-87-6

Signal: 1

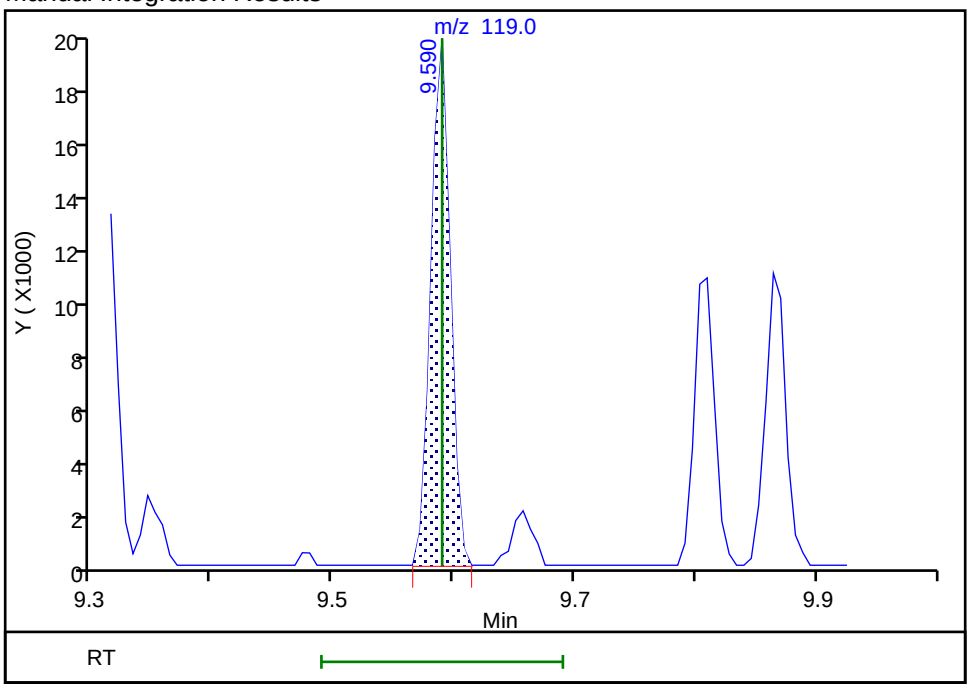
Processing Integration Results

RT: 9.66
Area: 2464
Amount: 0.960855
Amount Units: ug/l



Manual Integration Results

RT: 9.59
Area: 21883
Amount: 0.884277
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 17:54:41 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X13.D
Lims ID: IC v4
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 18-Mar-2024 15:36:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0108929-013
Misc. Info.: LG 4
Operator ID: jml01693 Instrument ID: 15648
Sublist: chrom-MSVoa_15648*sub75

Method: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2024 19:28:24 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: K4WN Date: 18-Mar-2024 17:56:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.098	1.116	-0.018	99	46048	4.00	4.36	M
4 Chloromethane	50	1.208	1.226	-0.018	99	43810	4.00	4.42	M
5 Butadiene	39	1.256	1.268	-0.012	93	50799	4.00	4.56	M
6 Vinyl chloride	62	1.275	1.287	-0.012	98	42040	4.00	4.57	
8 Bromomethane	94	1.439	1.457	-0.018	93	25023	4.00	4.39	
9 Chloroethane	64	1.470	1.482	-0.012	98	23197	4.00	4.31	
10 Dichlorofluoromethane	67	1.586	1.598	-0.012	97	64889	4.00	4.48	
11 Pentane	43	1.634	1.652	-0.018	95	50319	4.00	4.33	
12 Trichlorofluoromethane	101	1.653	1.665	-0.012	95	50752	4.00	4.43	
14 Ethyl ether	59	1.756	1.768	-0.012	93	21487	4.00	3.93	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	1.762	1.799	-0.037	92	38597	4.00	4.59	
16 Acrolein	56	1.842	1.854	-0.012	98	68783	40.0	38.1	
17 1,1-Dichloroethene	96	1.921	1.933	-0.012	94	20546	4.00	4.16	
18 Acetone	58	1.939	1.951	-0.012	98	6589	8.00	8.52	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.957	1.963	-0.006	93	24145	4.00	4.27	
20 Isopropyl alcohol	45	2.024	2.037	-0.013	33	11093	20.0	20.1	
21 Iodomethane	142	2.024	2.037	-0.013	99	37621	4.00	4.23	
22 Carbon disulfide	76	2.079	2.091	-0.012	99	62683	4.00	4.26	
25 3-Chloro-1-propene	41	2.159	2.177	-0.018	84	48463	4.00	4.28	
26 Methyl acetate	43	2.171	2.177	-0.006	68	25614	4.00	4.02	
27 Methylene Chloride	84	2.256	2.268	-0.012	74	24116	4.00	4.23	
* 28 t-Butyl alcohol-d10 (IS)	65	2.256	2.268	-0.012	95	215929	250.0	250.0	
29 2-Methyl-2-propanol	59	2.323	2.335	-0.012	98	20189	20.0	20.8	
30 Acrylonitrile	53	2.439	2.445	-0.006	97	34386	10.0	10.6	
32 trans-1,2-Dichloroethene	96	2.476	2.488	-0.012	94	24390	4.00	4.41	
31 Methyl tert-butyl ether	73	2.488	2.494	-0.006	98	84362	4.00	4.19	
33 Hexane	57	2.713	2.725	-0.012	95	41095	4.00	4.26	
34 1,1-Dichloroethane	63	2.829	2.841	-0.012	97	50660	4.00	4.25	
36 Isopropyl ether	45	2.902	2.921	-0.019	93	92812	4.00	4.22	
37 2-Chloro-1,3-butadiene	53	2.915	2.927	-0.013	95	50083	4.00	4.27	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	3.232	3.244	-0.012	98	87012	4.00	4.13	
40 cis-1,2-Dichloroethene	96	3.360	3.366	-0.006	86	26313	4.00	4.19	
39 2-Butanone (MEK)	43	3.366	3.372	-0.006	71	35979	8.00	7.62	
41 2,2-Dichloropropane	77	3.366	3.378	-0.012	69	47223	4.00	4.28	
42 Propionitrile	54	3.414	3.427	-0.013	93	25970	20.0	20.1	
186 Methyl acrylate	55	3.475	3.475	0.000	98	33734	4.00	4.06	
44 Methacrylonitrile	67	3.561	3.567	-0.006	92	35186	10.0	10.3	
45 Chlorobromomethane	128	3.579	3.585	-0.006	93	11493	4.00	4.08	
46 Tetrahydrofuran	71	3.622	3.628	-0.006	88	22205	20.0	21.0	
47 Chloroform	83	3.658	3.664	-0.006	96	47570	4.00	4.25	
$ 48 Dibromofluoromethane (Surr)	113	3.811	3.817	-0.006	92	256525	50.0	50.2	
49 1,1,1-Trichloroethane	97	3.835	3.847	-0.012	97	44307	4.00	4.37	
51 Cyclohexane	56	3.896	3.902	-0.006	97	51218	4.00	4.13	M
52 1,1-Dichloropropene	75	3.987	4.000	-0.013	89	38614	4.00	4.23	
53 Carbon tetrachloride	117	4.000	4.006	-0.006	80	36239	4.00	4.18	
54 Isobutyl alcohol	41	4.122	4.128	-0.006	31	15993	50.0	48.5	
$ 55 1,2-Dichloroethane-d4 (Surr)	65	4.122	4.134	-0.012	97	404830	50.0	50.5	
56 Benzene	78	4.189	4.195	-0.006	97	106579	4.00	4.26	
57 1,2-Dichloroethane	62	4.201	4.207	-0.006	96	41329	4.00	4.10	
59 Tert-amyl methyl ether	73	4.317	4.323	-0.006	96	79948	4.00	4.07	
* 60 Fluorobenzene (IS)	96	4.463	4.469	-0.006	97	1084543	50.0	50.0	
61 n-Heptane	43	4.481	4.487	-0.006	95	41409	4.00	4.17	
62 n-Butanol	56	4.792	4.792	0.000	93	13168	50.0	53.4	
63 Trichloroethene	95	4.835	4.835	0.000	94	27481	4.00	4.28	
195 Ethyl acrylate	55	4.963	4.969	-0.006	98	40522	4.00	3.89	
64 Methylcyclohexane	83	5.030	5.036	-0.006	90	46509	4.00	4.20	
65 1,2-Dichloropropane	63	5.048	5.054	-0.006	75	28461	4.00	4.21	
66 2-ethoxy-2-methyl butane	87	5.121	5.127	-0.006	91	42423	4.00	4.13	
67 Dibromomethane	93	5.164	5.170	-0.006	95	16466	4.00	4.11	
68 1,4-Dioxane	88	5.207	5.194	0.013	30	2128	50.0	40.7	
69 Methyl methacrylate	69	5.201	5.207	-0.006	93	22915	4.00	3.97	
71 Dichlorobromomethane	83	5.341	5.347	-0.006	97	33212	4.00	4.05	
72 2-Nitropropane	41	5.573	5.579	-0.006	98	66587	20.0	20.5	
73 2-Chloroethyl vinyl ether	63	5.682	5.682	0.000	95	18631	4.00	3.87	
74 cis-1,3-Dichloropropene	75	5.822	5.822	0.000	89	42497	4.00	3.97	
75 4-Methyl-2-pentanone (MIBK)	43	5.999	5.999	0.000	99	76626	8.00	7.89	
$ 77 Toluene-d8 (Surr)	98	6.103	6.103	0.000	96	1111785	50.0	49.7	
S 76 1,2-Dichloroethene, Total	100				0			8.60	
78 Toluene	92	6.170	6.176	-0.006	98	68181	4.00	4.29	
79 trans-1,3-Dichloropropene	75	6.420	6.426	-0.006	98	39811	4.00	3.97	
81 Ethyl methacrylate	69	6.560	6.560	0.000	91	41405	4.00	4.03	
82 1,1,2-Trichloroethane	97	6.615	6.615	0.000	93	22321	4.00	4.12	
83 Tetrachloroethene	166	6.761	6.767	-0.006	94	27385	4.00	4.21	
84 1,3-Dichloropropane	76	6.786	6.792	-0.006	97	41342	4.00	4.13	
86 2-Hexanone	43	6.914	6.914	0.000	98	59475	8.00	8.34	
87 Chlorodibromomethane	129	7.036	7.036	0.000	91	23484	4.00	3.90	
89 Ethylene Dibromide	107	7.145	7.145	0.000	97	23810	4.00	4.17	
* 90 Chlorobenzene-d5 (IS)	117	7.639	7.639	0.000	90	799247	50.0	50.0	
91 Chlorobenzene	112	7.670	7.670	0.000	94	69828	4.00	4.18	
92 1-Chlorohexane	91	7.682	7.682	0.000	90	36742	4.00	4.25	
94 1,1,1,2-Tetrachloroethane	131	7.755	7.761	-0.006	93	23579	4.00	4.06	
95 Ethylbenzene	91	7.792	7.792	0.000	99	128869	4.00	4.12	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
96 m-Xylene & p-Xylene	106	7.907	7.907	0.000	98	96195	8.00	8.18	
97 o-Xylene	106	8.261	8.261	0.000	98	48757	4.00	4.22	
274 n-Butyl acrylate	55	8.267	8.267	0.000	94	60133	4.00	3.85	
98 Styrene	104	8.273	8.273	0.000	94	76860	4.00	4.02	
99 Bromoform	173	8.413	8.413	0.000	93	16953	4.00	3.81	
100 Isopropylbenzene	105	8.584	8.584	0.000	97	118740	4.00	4.15	
101 Cyclohexanone	55	8.633	8.639	-0.006	96	65889	200.0	212.4	
$ 103 4-Bromofluorobenzene (Surr)	95	8.700	8.700	0.000	86	423989	50.0	49.9	
104 Bromobenzene	156	8.810	8.810	0.000	98	27907	4.00	4.10	
105 1,1,2,2-Tetrachloroethane	83	8.828	8.828	0.000	93	36341	4.00	4.19	
106 1,2,3-Trichloropropane	110	8.852	8.852	0.000	89	11093	4.00	4.23	
107 trans-1,4-Dichloro-2-butene	53	8.877	8.877	0.000	92	34539	10.0	9.68	
108 N-Propylbenzene	91	8.919	8.925	-0.006	99	146056	4.00	4.24	
109 2-Chlorotoluene	126	8.974	8.974	0.000	95	28652	4.00	4.28	
111 4-Chlorotoluene	126	9.066	9.066	0.000	99	29585	4.00	4.27	
110 1,3,5-Trimethylbenzene	105	9.066	9.066	0.000	93	103266	4.00	4.21	
113 tert-Butylbenzene	134	9.310	9.316	-0.006	94	19579	4.00	3.97	
115 1,2,4-Trimethylbenzene	105	9.346	9.346	0.000	98	102186	4.00	4.12	
116 sec-Butylbenzene	105	9.474	9.480	-0.006	95	123249	4.00	4.17	
117 1,3-Dichlorobenzene	146	9.547	9.547	0.000	98	52603	4.00	4.13	
118 4-Isopropyltoluene	119	9.590	9.590	0.000	96	106731	4.00	4.13	
* 119 1,4-Dichlorobenzene-d4	152	9.596	9.596	0.000	98	442623	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.608	9.608	0.000	92	53929	4.00	4.16	
121 1,2,3-Trimethylbenzene	105	9.657	9.657	0.000	100	104656	4.00	4.16	
122 Benzyl chloride	91	9.712	9.712	0.000	99	74639	4.00	3.96	
123 1,3-Diethylbenzene	119	9.810	9.809	0.001	97	61797	4.00	4.19	
124 p-Diethylbenzene	119	9.864	9.864	0.000	93	61482	4.00	4.02	
125 1,2-Dichlorobenzene	146	9.877	9.877	0.001	95	49285	4.00	4.01	
126 n-Butylbenzene	92	9.883	9.883	0.000	96	50940	4.00	4.04	
162 o-diethylbenzene	119	9.944	9.944	0.000	97	50980	4.00	4.12	
S 163 1,3-Dichloropropene, Total	100				0			7.94	
164 1,2-Dibromo-3-Chloropropane	75	10.413	10.413	0.000	75	9292	4.00	4.06	
165 1,3,5-Trichlorobenzene	180	10.565	10.565	0.000	96	34569	4.00	4.05	
166 1,2,4-Trichlorobenzene	180	10.974	10.974	0.000	93	32127	4.00	4.07	
167 Hexachlorobutadiene	225	11.090	11.090	0.000	96	14449	4.00	4.18	
271 2-Ethylhexyl acrylate	55	11.114	11.114	0.000	85	30776	4.00	3.49	
168 Naphthalene	128	11.132	11.126	0.006	98	108648	4.00	4.05	
S 169 Xylenes, Total	106				0			12.4	
170 1,2,3-Trichlorobenzene	180	11.285	11.285	0.000	94	29689	4.00	3.99	
171 2-Methylnaphthalene	142	11.852	11.846	0.006	92	47062	4.00	3.76	
S 194 Total Diethylbenzene	1				0			12.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00175	Amount Added:	4.00	Units: uL	
MSV_CCV_CYC_00008	Amount Added:	32.00	Units: uL	
MSV_CCV_VOC#3_00171	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00167	Amount Added:	4.00	Units: uL	
MSV_CCV_GASES_00723	Amount Added:	2.00	Units: uL	
MSV_CCV_EE_00006	Amount Added:	4.00	Units: uL	
MSV_CCV_OH_Sp_00009	Amount Added:	4.00	Units: uL	
MSV_Cent_ISSS_00023	Amount Added:	5.00	Units: uL	Run Reagent

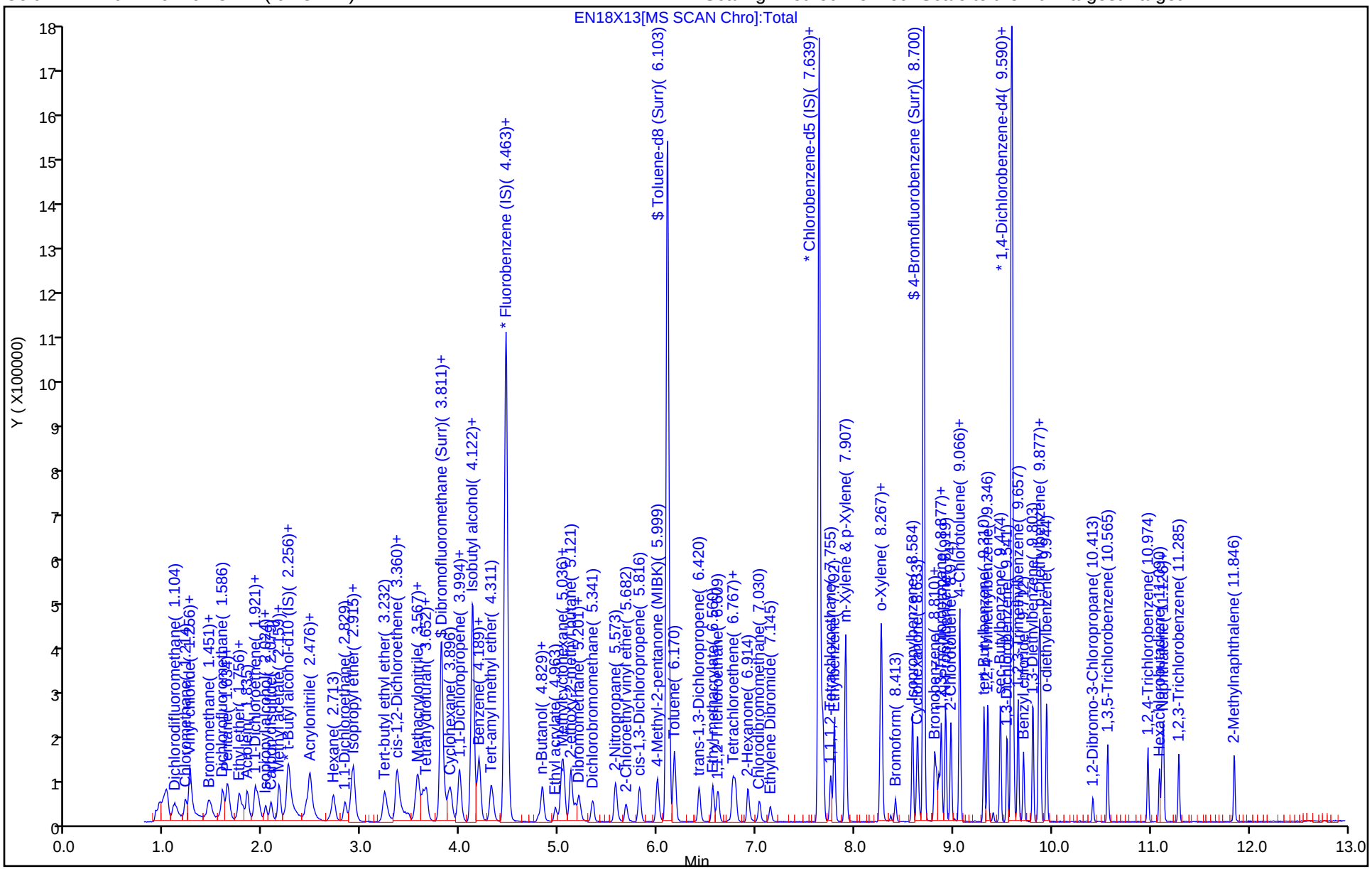
Report Date: 18-Mar-2024 19:28:24 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X13.D

Injection Date:	18-Mar-2024 15:36:30	Instrument ID:	15648	Operator ID:	jml01693
Lims ID:	IC v4			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		

Column: DB-624 20m 0.18mm (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

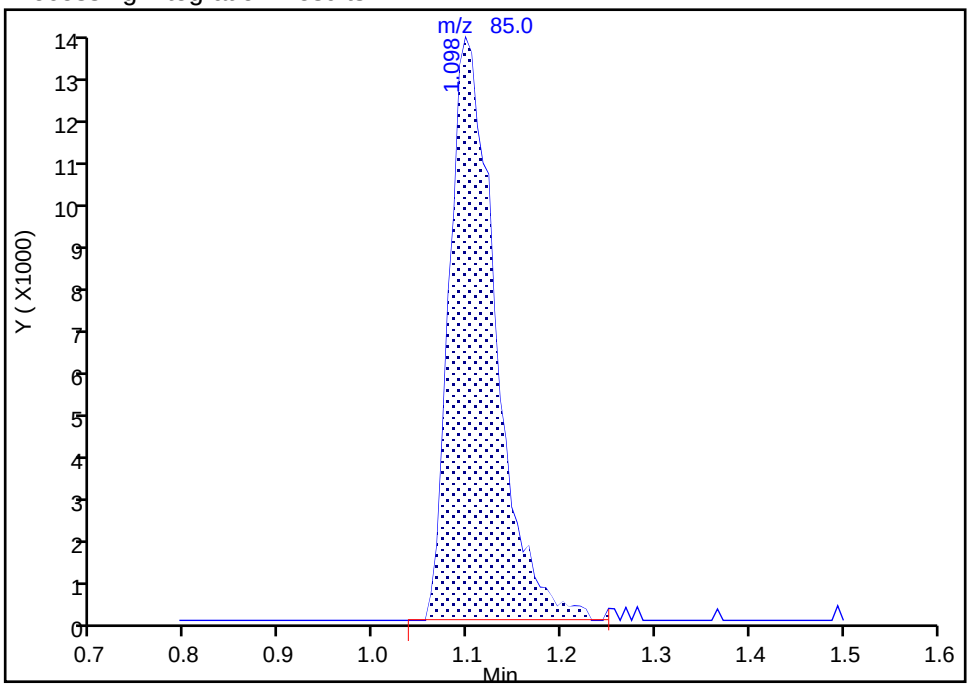
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X13.D				
Injection Date:	18-Mar-2024 15:36:30	Instrument ID:	15648		
Lims ID:	IC v4				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

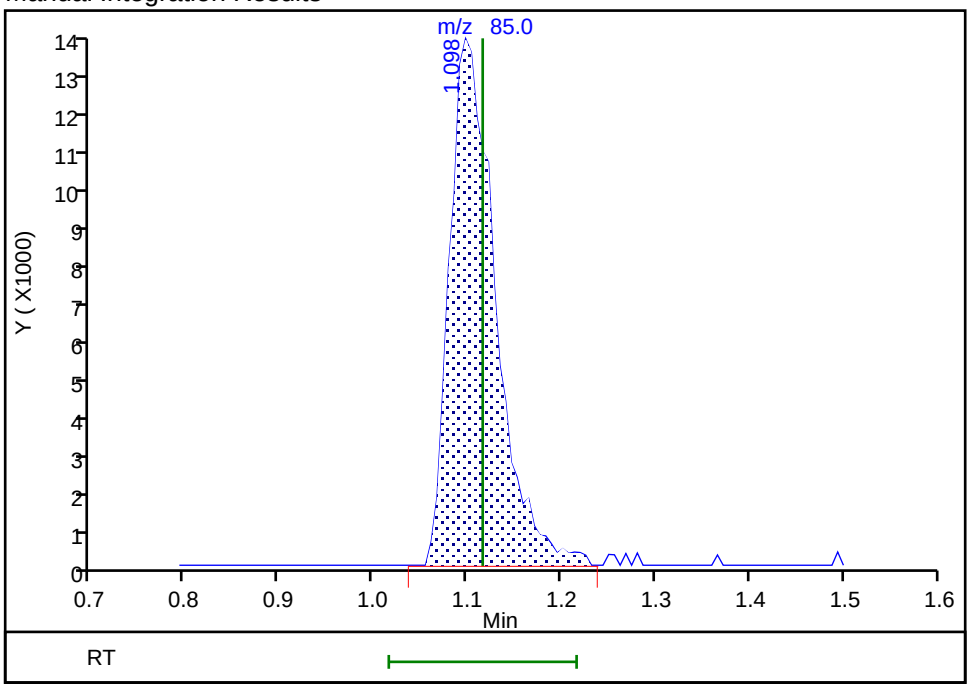
Processing Integration Results

RT: 1.10
Area: 46151
Amount: 4.375889
Amount Units: ug/l



Manual Integration Results

RT: 1.10
Area: 46048
Amount: 4.360513
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 17:55:20 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

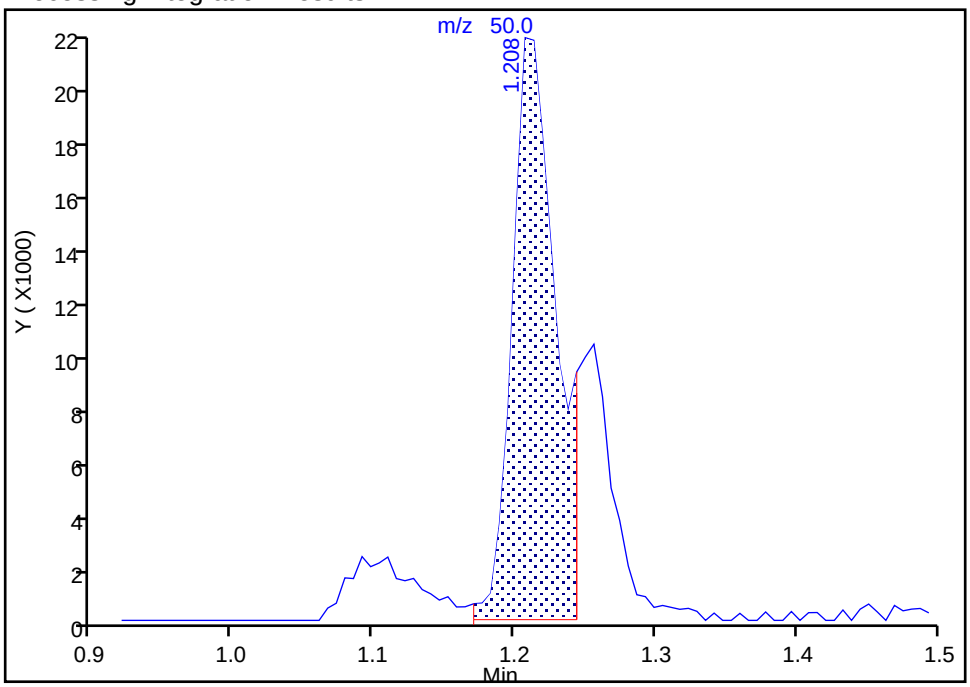
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X13.D				
Injection Date:	18-Mar-2024 15:36:30	Instrument ID:	15648		
Lims ID:	IC v4				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

4 Chloromethane, CAS: 74-87-3

Signal: 1

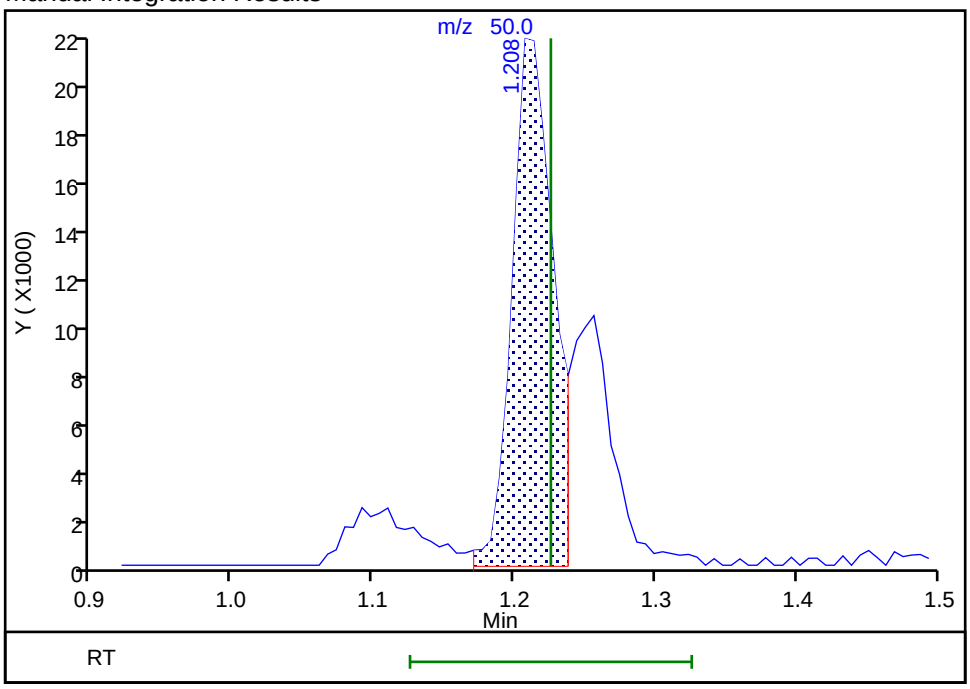
Processing Integration Results

RT: 1.21
Area: 47140
Amount: 4.386300
Amount Units: ug/l



Manual Integration Results

RT: 1.21
Area: 43810
Amount: 4.423093
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 17:55:26 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

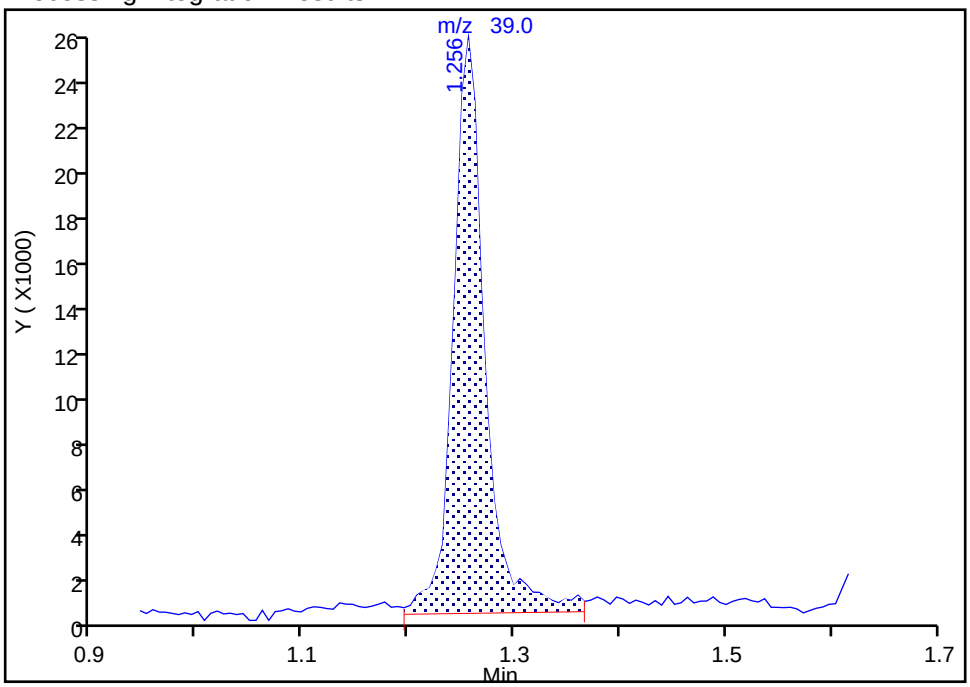
Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X13.D
Injection Date: 18-Mar-2024 15:36:30 Instrument ID: 15648
Lims ID: IC v4
Client ID:
Operator ID: jml01693 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15648 Limit Group: MSV - 8260C_D
Column: DB-624 20m 0.18mm (0.18 mm) Detector MS Quad

5 Butadiene, CAS: 106-99-0

Signal: 1

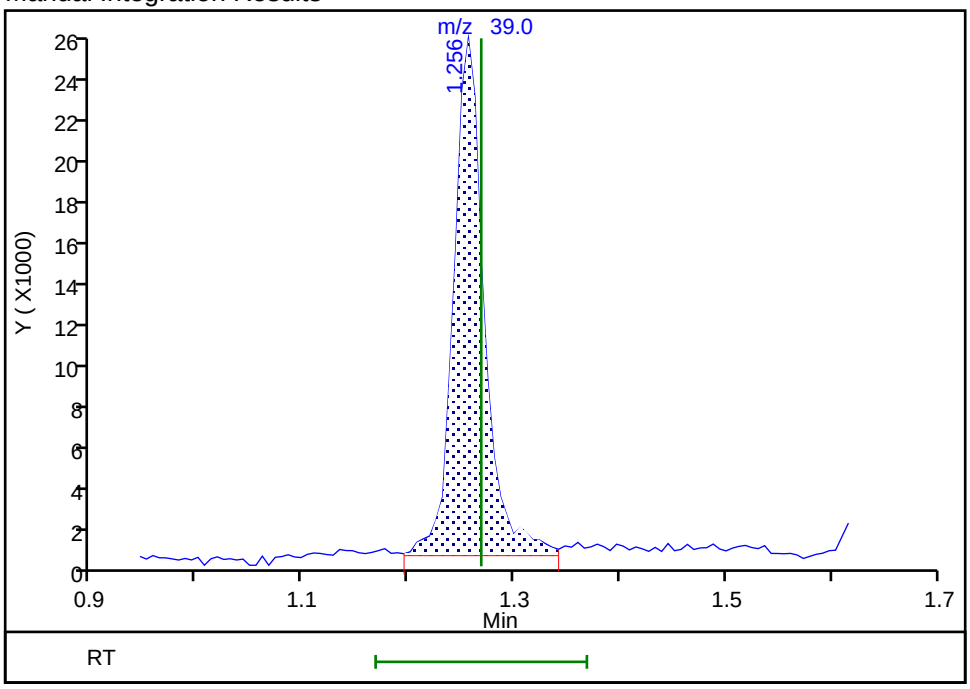
Processing Integration Results

RT: 1.26
Area: 53333
Amount: 4.754104
Amount Units: ug/l



Manual Integration Results

RT: 1.26
Area: 50799
Amount: 4.561770
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 17:55:40 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

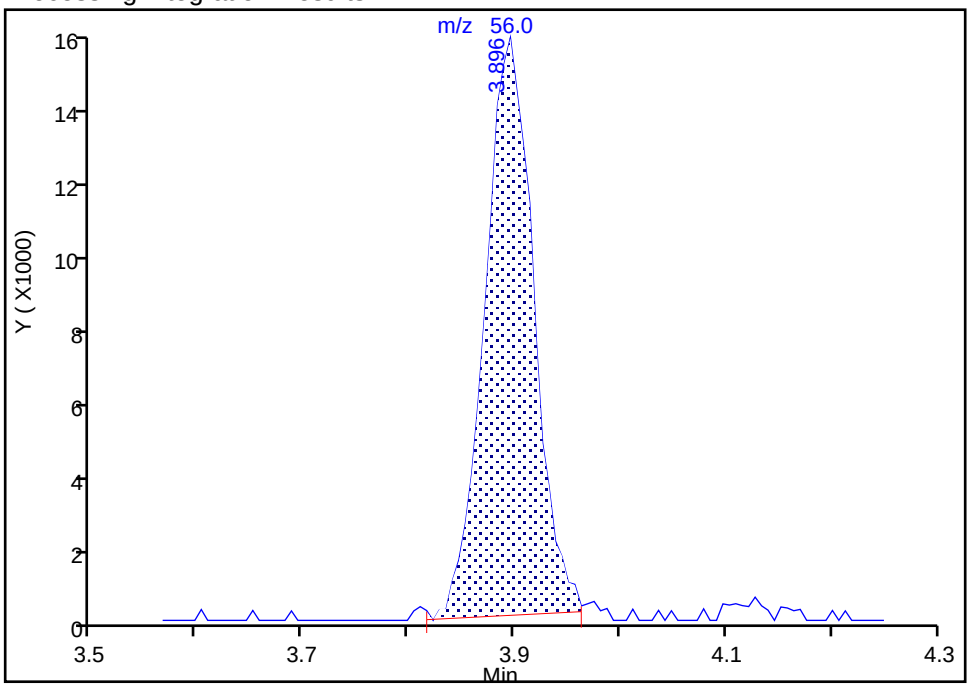
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X13.D				
Injection Date:	18-Mar-2024 15:36:30	Instrument ID:	15648		
Lims ID:	IC v4				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

51 Cyclohexane, CAS: 110-82-7

Signal: 1

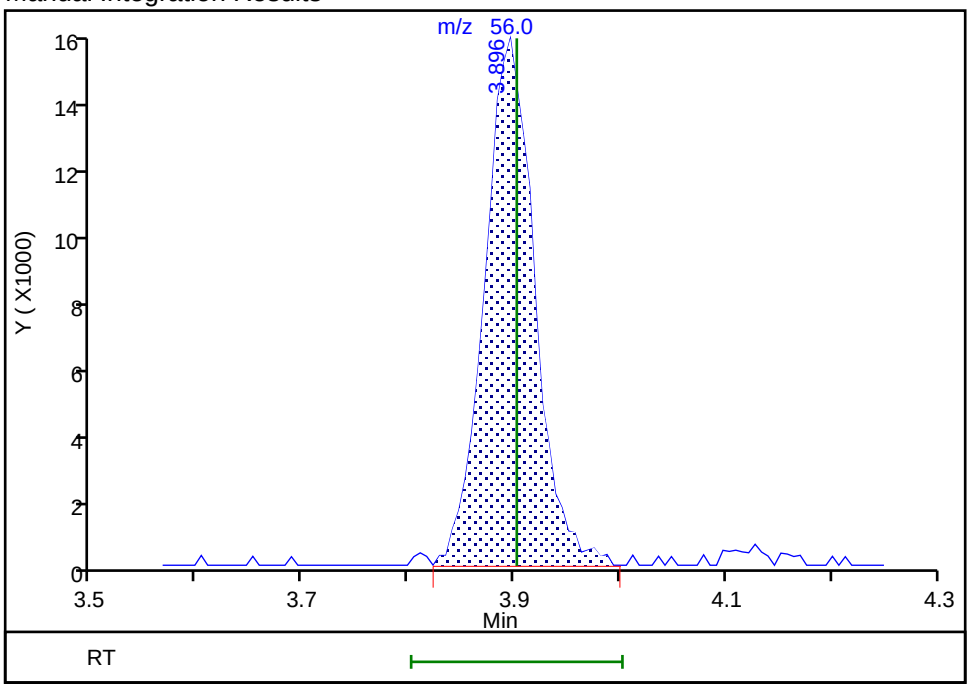
Processing Integration Results

RT: 3.90
Area: 49321
Amount: 3.999405
Amount Units: ug/l



Manual Integration Results

RT: 3.90
Area: 51218
Amount: 4.130539
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 17:56:02 -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\15648\20240318-108929.b\EN18X14.D
Lims ID: IC v10
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 18-Mar-2024 15:56:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0108929-014
Misc. Info.: LG 10
Operator ID: jml01693 Instrument ID: 15648
Sublist: chrom-MSVoa_15648*sub75

Method: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2024 19:28:40 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: K4WN Date: 18-Mar-2024 17:57:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.110	1.116	-0.006	99	106804	10.0	10.0	
4 Chloromethane	50	1.220	1.226	-0.006	99	96435	10.0	9.63	
5 Butadiene	39	1.262	1.268	-0.006	91	111614	10.0	9.92	M
6 Vinyl chloride	62	1.281	1.287	-0.006	98	94930	10.0	10.2	
8 Bromomethane	94	1.457	1.457	0.000	93	55477	10.0	9.63	
9 Chloroethane	64	1.482	1.482	0.000	99	52764	10.0	9.69	
10 Dichlorofluoromethane	67	1.598	1.598	0.000	97	145175	10.0	9.92	
11 Pentane	43	1.646	1.652	-0.006	96	111838	10.0	9.53	
12 Trichlorofluoromethane	101	1.665	1.665	0.000	96	114278	10.0	9.87	
14 Ethyl ether	59	1.762	1.768	-0.006	94	55055	10.0	9.96	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	1.793	1.799	-0.006	93	81709	10.0	9.62	
16 Acrolein	56	1.848	1.854	-0.006	98	175703	100.0	96.0	
17 1,1-Dichloroethene	96	1.927	1.933	-0.006	95	49059	10.0	9.82	
18 Acetone	58	1.945	1.951	-0.006	98	15034	20.0	19.2	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.957	1.963	-0.006	93	55617	10.0	9.73	
20 Isopropyl alcohol	45	2.036	2.037	-0.001	34	26485	50.0	47.3	
21 Iodomethane	142	2.036	2.037	-0.001	100	86625	10.0	9.65	
22 Carbon disulfide	76	2.091	2.091	0.000	99	143759	10.0	9.66	
25 3-Chloro-1-propene	41	2.171	2.177	-0.006	84	110743	10.0	9.67	
26 Methyl acetate	43	2.177	2.177	0.000	97	65606	10.0	10.2	
27 Methylene Chloride	84	2.262	2.268	-0.006	98	55654	10.0	9.66	
* 28 t-Butyl alcohol-d10 (IS)	65	2.262	2.268	-0.006	94	218688	250.0	250.0	
29 2-Methyl-2-propanol	59	2.335	2.335	0.000	99	45276	50.0	46.1	
30 Acrylonitrile	53	2.439	2.445	-0.006	99	80584	25.0	24.6	
32 trans-1,2-Dichloroethene	96	2.482	2.488	-0.006	93	52506	10.0	9.38	
31 Methyl tert-butyl ether	73	2.494	2.494	0.000	98	193238	10.0	9.49	
33 Hexane	57	2.719	2.725	-0.006	94	89261	10.0	9.15	
34 1,1-Dichloroethane	63	2.835	2.841	-0.006	96	117490	10.0	9.75	
36 Isopropyl ether	45	2.914	2.921	-0.007	93	215613	10.0	9.71	
37 2-Chloro-1,3-butadiene	53	2.920	2.927	-0.007	95	115907	10.0	9.78	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	3.237	3.244	-0.007	98	201442	10.0	9.46	
40 cis-1,2-Dichloroethene	96	3.359	3.366	-0.007	86	62573	10.0	9.87	
39 2-Butanone (MEK)	43	3.372	3.372	0.000	76	89838	20.0	18.8	
41 2,2-Dichloropropane	77	3.372	3.378	-0.006	73	111686	10.0	10.0	
42 Propionitrile	54	3.426	3.427	-0.001	95	63426	50.0	48.4	
186 Methyl acrylate	55	3.469	3.475	-0.006	99	81560	10.0	9.70	
44 Methacrylonitrile	67	3.567	3.567	0.000	93	80970	25.0	23.5	
45 Chlorobromomethane	128	3.585	3.585	0.000	91	26642	10.0	9.35	
46 Tetrahydrofuran	71	3.628	3.628	0.000	94	50167	50.0	46.8	
47 Chloroform	83	3.664	3.664	0.000	96	107958	10.0	9.55	
$ 48 Dibromofluoromethane (Surr)	113	3.811	3.817	-0.006	92	256619	50.0	49.7	
49 1,1,1-Trichloroethane	97	3.841	3.847	-0.006	97	98164	10.0	9.58	
51 Cyclohexane	56	3.896	3.902	-0.006	97	115269	10.0	9.20	
52 1,1-Dichloropropene	75	3.993	4.000	-0.007	89	89622	10.0	9.72	
53 Carbon tetrachloride	117	4.000	4.006	-0.006	79	84258	10.0	9.62	
54 Isobutyl alcohol	41	4.128	4.128	0.000	35	39159	125.0	117.4	
$ 55 1,2-Dichloroethane-d4 (Surr)	65	4.128	4.134	-0.006	98	407949	50.0	50.3	
56 Benzene	78	4.195	4.195	0.000	98	243348	10.0	9.63	
57 1,2-Dichloroethane	62	4.201	4.207	-0.006	98	97087	10.0	9.54	
59 Tert-amyl methyl ether	73	4.323	4.323	0.000	96	188646	10.0	9.51	
* 60 Fluorobenzene (IS)	96	4.469	4.469	0.000	97	1095963	50.0	50.0	
61 n-Heptane	43	4.487	4.487	0.000	94	88898	10.0	8.86	
62 n-Butanol	56	4.792	4.792	0.000	97	27685	125.0	110.8	
63 Trichloroethene	95	4.835	4.835	0.000	95	62031	10.0	9.55	
195 Ethyl acrylate	55	4.969	4.969	0.000	98	96814	10.0	9.20	
64 Methylcyclohexane	83	5.030	5.036	-0.006	93	106923	10.0	9.55	
65 1,2-Dichloropropane	63	5.054	5.054	0.000	89	64772	10.0	9.48	
66 2-ethoxy-2-methyl butane	87	5.121	5.127	-0.006	90	99103	10.0	9.55	
67 Dibromomethane	93	5.170	5.170	0.000	94	38945	10.0	9.62	
68 1,4-Dioxane	88	5.201	5.194	0.006	30	6171	125.0	116.5	M
69 Methyl methacrylate	69	5.207	5.207	0.000	92	53683	10.0	9.19	
71 Dichlorobromomethane	83	5.347	5.347	0.000	97	79752	10.0	9.62	
72 2-Nitropropane	41	5.578	5.579	-0.001	99	156530	50.0	47.5	
73 2-Chloroethyl vinyl ether	63	5.682	5.682	0.000	93	45645	10.0	9.38	
74 cis-1,3-Dichloropropene	75	5.816	5.822	-0.006	89	103180	10.0	9.53	
75 4-Methyl-2-pentanone (MIBK)	43	5.999	5.999	0.000	99	187987	20.0	19.1	
$ 77 Toluene-d8 (Surr)	98	6.103	6.103	0.000	95	1130441	50.0	50.1	
S 76 1,2-Dichloroethene, Total	100				0			19.3	
78 Toluene	92	6.170	6.176	-0.006	97	156192	10.0	9.74	
79 trans-1,3-Dichloropropene	75	6.426	6.426	0.000	99	96997	10.0	9.59	
81 Ethyl methacrylate	69	6.560	6.560	0.000	92	98648	10.0	9.52	
82 1,1,2-Trichloroethane	97	6.615	6.615	0.000	93	51545	10.0	9.44	
83 Tetrachloroethene	166	6.767	6.767	0.000	94	63056	10.0	9.63	
84 1,3-Dichloropropane	76	6.792	6.792	0.000	97	95720	10.0	9.48	
86 2-Hexanone	43	6.914	6.914	0.000	98	137638	20.0	19.2	
87 Chlorodibromomethane	129	7.036	7.036	0.000	90	56290	10.0	9.28	
89 Ethylene Dibromide	107	7.139	7.145	-0.006	98	54980	10.0	9.55	
* 90 Chlorobenzene-d5 (IS)	117	7.639	7.639	0.000	89	805493	50.0	50.0	
91 Chlorobenzene	112	7.670	7.670	0.000	92	161619	10.0	9.61	
92 1-Chlorohexane	91	7.682	7.682	0.000	90	81723	10.0	9.37	
94 1,1,1,2-Tetrachloroethane	131	7.755	7.761	-0.006	93	54988	10.0	9.40	
95 Ethylbenzene	91	7.791	7.792	-0.001	99	306995	10.0	9.74	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
96 m-Xylene & p-Xylene	106	7.907	7.907	0.000	99	230540	20.0	19.4	
97 o-Xylene	106	8.261	8.261	0.000	95	110867	10.0	9.52	
274 n-Butyl acrylate	55	8.267	8.267	0.000	94	149793	10.0	9.50	
98 Styrene	104	8.273	8.273	0.000	94	184317	10.0	9.58	
99 Bromoform	173	8.413	8.413	0.000	95	42798	10.0	9.53	
100 Isopropylbenzene	105	8.584	8.584	0.000	97	276504	10.0	9.59	
101 Cyclohexanone	55	8.633	8.639	-0.006	94	74913	250.0	238.5	
$ 103 4-Bromofluorobenzene (Surr)	95	8.700	8.700	0.000	85	432081	50.0	50.4	
104 Bromobenzene	156	8.810	8.810	0.000	99	67371	10.0	9.80	
105 1,1,2,2-Tetrachloroethane	83	8.828	8.828	0.000	93	82694	10.0	9.44	
106 1,2,3-Trichloropropane	110	8.852	8.852	0.000	91	25374	10.0	9.58	
107 trans-1,4-Dichloro-2-butene	53	8.877	8.877	0.000	91	85937	25.0	23.9	
108 N-Propylbenzene	91	8.919	8.925	-0.006	99	341874	10.0	9.82	
109 2-Chlorotoluene	126	8.974	8.974	0.000	95	64949	10.0	9.60	
111 4-Chlorotoluene	126	9.066	9.066	0.000	99	68186	10.0	9.75	
110 1,3,5-Trimethylbenzene	105	9.066	9.066	0.000	94	236565	10.0	9.55	
113 tert-Butylbenzene	134	9.316	9.316	0.000	94	47962	10.0	9.64	
115 1,2,4-Trimethylbenzene	105	9.346	9.346	0.000	99	239790	10.0	9.58	
116 sec-Butylbenzene	105	9.474	9.480	-0.006	96	291084	10.0	9.74	
117 1,3-Dichlorobenzene	146	9.547	9.547	0.000	97	123380	10.0	9.60	
118 4-Isopropyltoluene	119	9.590	9.590	0.000	96	249194	10.0	9.54	
* 119 1,4-Dichlorobenzene-d4	152	9.596	9.596	0.000	98	446918	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.608	9.608	0.000	95	124829	10.0	9.55	
121 1,2,3-Trimethylbenzene	105	9.657	9.657	0.000	99	243625	10.0	9.60	
122 Benzyl chloride	91	9.712	9.712	0.000	100	181843	10.0	9.55	
123 1,3-Diethylbenzene	119	9.809	9.809	0.000	95	142482	10.0	9.57	
124 p-Diethylbenzene	119	9.864	9.864	0.000	95	147598	10.0	9.56	
125 1,2-Dichlorobenzene	146	9.876	9.877	0.000	95	120151	10.0	9.68	
126 n-Butylbenzene	92	9.883	9.883	0.000	95	125377	10.0	9.85	
162 o-diethylbenzene	119	9.943	9.944	-0.001	98	120691	10.0	9.67	
S 163 1,3-Dichloropropene, Total	100				0			19.1	
164 1,2-Dibromo-3-Chloropropane	75	10.413	10.413	0.000	75	22375	10.0	9.69	
165 1,3,5-Trichlorobenzene	180	10.565	10.565	0.000	96	82926	10.0	9.62	
166 1,2,4-Trichlorobenzene	180	10.974	10.974	0.000	93	77279	10.0	9.71	
167 Hexachlorobutadiene	225	11.090	11.090	0.000	96	32860	10.0	9.42	
271 2-Ethylhexyl acrylate	55	11.114	11.114	0.000	85	81389	10.0	9.14	
168 Naphthalene	128	11.132	11.126	0.006	98	255109	10.0	9.41	
S 169 Xylenes, Total	106				0			29.0	
170 1,2,3-Trichlorobenzene	180	11.285	11.285	0.000	94	70702	10.0	9.42	
171 2-Methylnaphthalene	142	11.846	11.846	0.000	92	111708	10.0	8.83	
S 194 Total Diethylbenzene	1				0			28.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00175	Amount Added:	2.00	Units: uL	
MSV_CCV_CYC_00008	Amount Added:	8.00	Units: uL	
MSV_CCV_VOC#3_00171	Amount Added:	1.60	Units: uL	
MSV_CCV_2CEVE_00167	Amount Added:	2.00	Units: uL	
MSV_CCV_GASES_00723	Amount Added:	1.00	Units: uL	
MSV_CCV_EE_00006	Amount Added:	2.00	Units: uL	
MSV_CCV_OH_Sp_00009	Amount Added:	2.00	Units: uL	
MSV_Cent_ISSS_00023	Amount Added:	5.00	Units: uL	Run Reagent

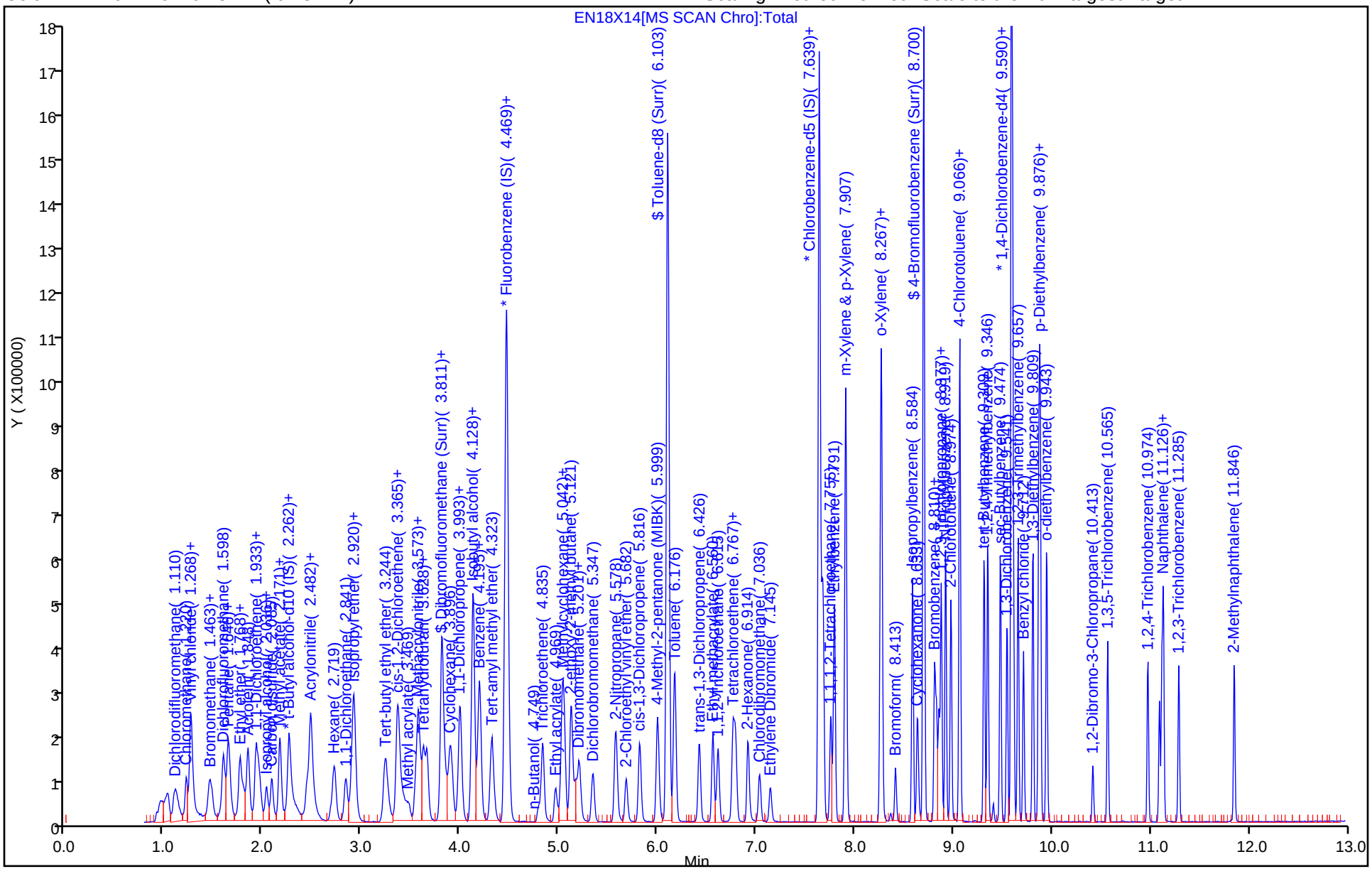
Report Date: 18-Mar-2024 19:28:41 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X14.D

Injection Date:	18-Mar-2024 15:56:30	Instrument ID:	15648	Operator ID:	jml01693
Lims ID:	IC v10			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		

Column: DB-624 20m 0.18mm (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

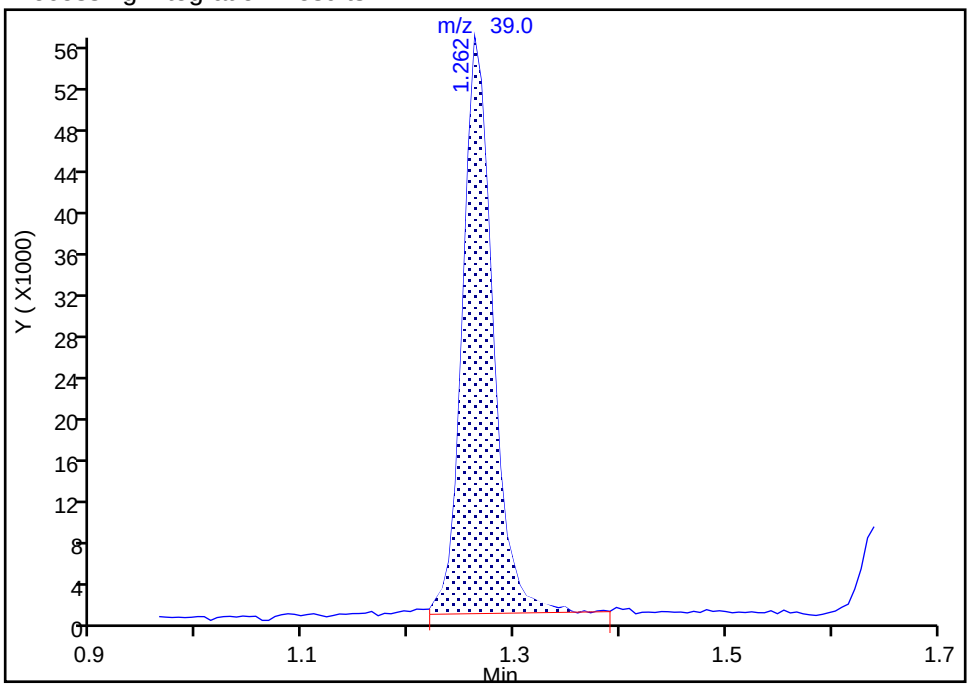
Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X14.D
Injection Date: 18-Mar-2024 15:56:30 Instrument ID: 15648
Lims ID: IC v10
Client ID:
Operator ID: jml01693 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15648 Limit Group: MSV - 8260C_D
Column: DB-624 20m 0.18mm (0.18 mm) Detector MS Quad

5 Butadiene, CAS: 106-99-0

Signal: 1

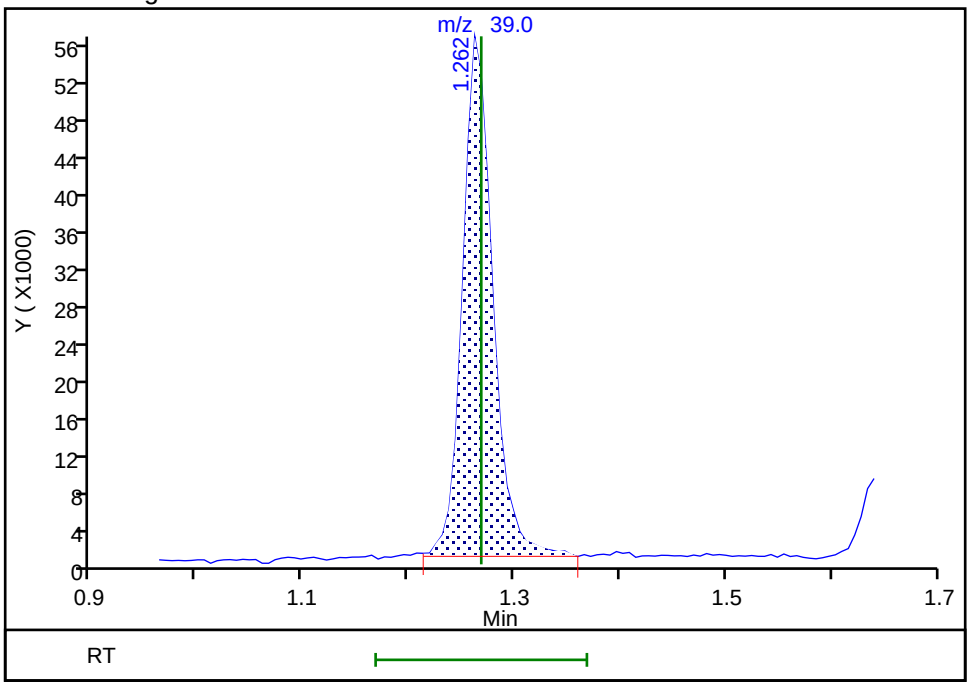
Processing Integration Results

RT: 1.26
Area: 111048
Amount: 9.875339
Amount Units: ug/l



Manual Integration Results

RT: 1.26
Area: 111614
Amount: 9.918541
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 17:57:11 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

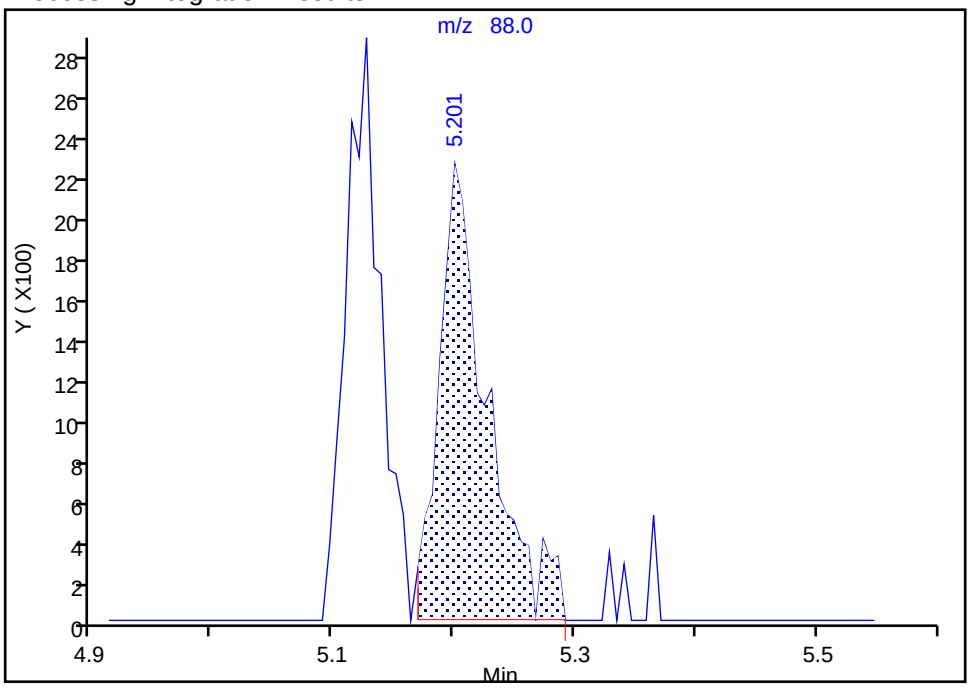
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X14.D				
Injection Date:	18-Mar-2024 15:56:30	Instrument ID:	15648		
Lims ID:	IC v10				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

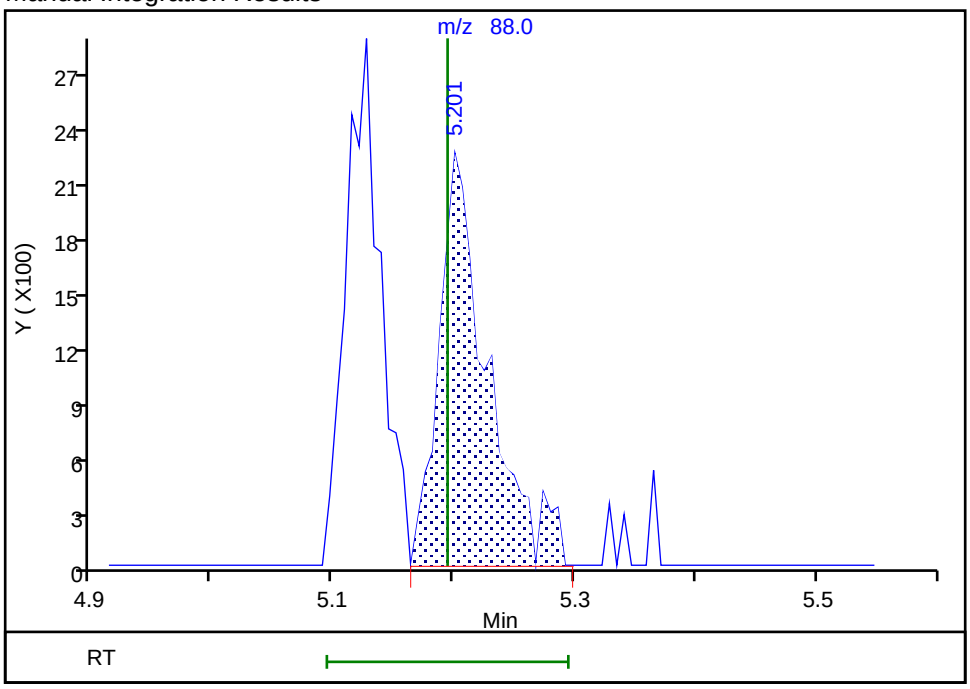
Processing Integration Results

RT: 5.20
Area: 6171
Amount: 113.4578
Amount Units: ug/l



Manual Integration Results

RT: 5.20
Area: 6171
Amount: 116.5178
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 17:57:41 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X15.D
Lims ID: IC v20
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 18-Mar-2024 16:16:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0108929-015
Misc. Info.: LG 20
Operator ID: jml01693 Instrument ID: 15648
Sublist: chrom-MSVoa_15648*sub75

Method: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2024 19:28:57 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: K4WN Date: 18-Mar-2024 17:59:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.104	1.104	0.000	99	207583	20.0	20.4	
4 Chloromethane	50	1.214	1.214	0.000	99	196885	20.0	20.6	M
5 Butadiene	39	1.262	1.262	0.000	98	221551	20.0	20.7	
6 Vinyl chloride	62	1.274	1.274	0.000	98	184311	20.0	20.8	
8 Bromomethane	94	1.451	1.451	0.000	93	110193	20.0	20.1	
9 Chloroethane	64	1.470	1.470	0.000	99	105324	20.0	20.3	
10 Dichlorofluoromethane	67	1.591	1.591	0.000	98	280869	20.0	20.1	
11 Pentane	43	1.640	1.640	0.000	95	232007	20.0	20.8	
12 Trichlorofluoromethane	101	1.659	1.659	0.000	98	229849	20.0	20.8	
14 Ethyl ether	59	1.756	1.756	0.000	93	110530	20.0	21.0	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	1.780	1.780	0.000	95	164396	20.0	20.3	
16 Acrolein	56	1.841	1.841	0.000	98	359083	200.0	200.1	
17 1,1-Dichloroethene	96	1.921	1.921	0.000	94	97439	20.0	20.5	
18 Acetone	58	1.945	1.945	0.000	98	31244	40.0	40.7	M
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.957	1.957	0.000	94	117039	20.0	21.5	
20 Isopropyl alcohol	45	2.024	2.024	0.000	42	58306	100.0	106.2	
21 Iodomethane	142	2.030	2.030	0.000	99	171401	20.0	20.0	
22 Carbon disulfide	76	2.085	2.085	0.000	100	290347	20.0	20.5	
25 3-Chloro-1-propene	41	2.165	2.165	0.000	85	227092	20.0	20.8	
26 Methyl acetate	43	2.171	2.171	0.000	99	132255	20.0	21.6	
27 Methylene Chloride	84	2.262	2.262	0.000	98	111706	20.0	20.4	
* 28 t-Butyl alcohol-d10 (IS)	65	2.274	2.274	0.000	93	214425	250.0	250.0	
29 2-Methyl-2-propanol	59	2.329	2.329	0.000	99	93047	100.0	96.6	
30 Acrylonitrile	53	2.439	2.439	0.000	98	154666	50.0	49.5	
32 trans-1,2-Dichloroethene	96	2.475	2.475	0.000	93	108010	20.0	20.3	
31 Methyl tert-butyl ether	73	2.482	2.482	0.000	98	399806	20.0	20.6	
33 Hexane	57	2.719	2.719	0.000	95	188220	20.0	20.3	
34 1,1-Dichloroethane	63	2.835	2.835	0.000	97	236508	20.0	20.6	
36 Isopropyl ether	45	2.908	2.908	0.000	93	436661	20.0	20.6	
37 2-Chloro-1,3-butadiene	53	2.920	2.920	0.000	96	231146	20.0	20.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	3.238	3.238	0.000	98	411251	20.0	20.3	
40 cis-1,2-Dichloroethene	96	3.359	3.359	0.000	87	123471	20.0	20.4	
39 2-Butanone (MEK)	43	3.372	3.372	0.000	91	174989	40.0	38.5	
41 2,2-Dichloropropane	77	3.372	3.372	0.000	91	215866	20.0	20.3	
42 Propionitrile	54	3.420	3.420	0.000	96	127668	100.0	99.4	
186 Methyl acrylate	55	3.469	3.469	0.000	99	177662	20.0	22.2	
44 Methacrylonitrile	67	3.561	3.561	0.000	93	166639	50.0	50.7	
45 Chlorobromomethane	128	3.579	3.579	0.000	92	55239	20.0	20.4	
46 Tetrahydrofuran	71	3.622	3.622	0.000	93	106563	100.0	101.4	
47 Chloroform	83	3.658	3.658	0.000	96	216008	20.0	20.1	
$ 48 Dibromofluoromethane (Surr)	113	3.811	3.811	0.000	93	246230	50.0	50.0	
49 1,1,1-Trichloroethane	97	3.841	3.841	0.000	97	198733	20.0	20.4	
51 Cyclohexane	56	3.896	3.896	0.000	96	242987	20.0	20.4	
52 1,1-Dichloropropene	75	3.987	3.987	0.000	89	180397	20.0	20.5	
53 Carbon tetrachloride	117	4.000	4.000	0.000	94	171279	20.0	20.5	
54 Isobutyl alcohol	41	4.128	4.128	0.000	44	83285	250.0	254.6	
$ 55 1,2-Dichloroethane-d4 (Surr)	65	4.128	4.128	0.000	97	391789	50.0	50.7	
56 Benzene	78	4.189	4.189	0.000	98	492784	20.0	20.5	
57 1,2-Dichloroethane	62	4.201	4.201	0.000	98	197423	20.0	20.4	
59 Tert-amyl methyl ether	73	4.317	4.317	0.000	96	388499	20.0	20.6	
* 60 Fluorobenzene (IS)	96	4.463	4.463	0.000	97	1044012	50.0	50.0	
61 n-Heptane	43	4.481	4.481	0.000	95	190584	20.0	19.9	
62 n-Butanol	56	4.786	4.786	0.000	93	59955	250.0	244.7	
63 Trichloroethene	95	4.835	4.835	0.000	96	126914	20.0	20.5	
195 Ethyl acrylate	55	4.963	4.963	0.000	98	216386	20.0	21.6	
64 Methylcyclohexane	83	5.030	5.030	0.000	93	222588	20.0	20.9	
65 1,2-Dichloropropane	63	5.048	5.048	0.000	91	134074	20.0	20.6	
66 2-ethoxy-2-methyl butane	87	5.121	5.121	0.000	91	199305	20.0	20.2	
67 Dibromomethane	93	5.170	5.170	0.000	96	77654	20.0	20.1	
68 1,4-Dioxane	88	5.201	5.201	0.000	30	13936	250.0	268.4	
69 Methyl methacrylate	69	5.201	5.201	0.000	93	113000	20.0	20.3	
71 Dichlorobromomethane	83	5.341	5.341	0.000	98	161755	20.0	20.5	
72 2-Nitropropane	41	5.572	5.572	0.000	98	331321	100.0	102.6	
73 2-Chloroethyl vinyl ether	63	5.682	5.682	0.000	93	97680	20.0	21.1	
74 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	89	211290	20.0	20.5	
75 4-Methyl-2-pentanone (MIBK)	43	5.999	5.999	0.000	99	391410	40.0	41.8	
$ 77 Toluene-d8 (Surr)	98	6.103	6.103	0.000	95	1078229	50.0	50.1	
S 76 1,2-Dichloroethene, Total	100				0			40.7	
78 Toluene	92	6.170	6.170	0.000	97	311404	20.0	20.3	
79 trans-1,3-Dichloropropene	75	6.420	6.420	0.000	99	198700	20.0	20.6	
81 Ethyl methacrylate	69	6.560	6.560	0.000	91	203342	20.0	20.6	
82 1,1,2-Trichloroethane	97	6.615	6.615	0.000	94	103992	20.0	19.9	
83 Tetrachloroethene	166	6.767	6.767	0.000	94	127385	20.0	20.4	
84 1,3-Dichloropropane	76	6.792	6.792	0.000	97	195217	20.0	20.2	
86 2-Hexanone	43	6.914	6.914	0.000	98	281899	40.0	41.1	
87 Chlorodibromomethane	129	7.036	7.036	0.000	90	116590	20.0	20.1	
89 Ethylene Dibromide	107	7.145	7.145	0.000	98	113033	20.0	20.6	
* 90 Chlorobenzene-d5 (IS)	117	7.639	7.639	0.000	89	769177	50.0	50.0	
91 Chlorobenzene	112	7.670	7.670	0.000	93	332387	20.0	20.7	
92 1-Chlorohexane	91	7.682	7.682	0.000	92	171451	20.0	20.6	
94 1,1,1,2-Tetrachloroethane	131	7.755	7.755	0.000	93	114710	20.0	20.5	
95 Ethylbenzene	91	7.791	7.791	0.000	99	611588	20.0	20.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
96 m-Xylene & p-Xylene	106	7.907	7.907	0.000	99	461201	40.0	40.7	
97 o-Xylene	106	8.261	8.261	0.000	95	229460	20.0	20.6	
274 n-Butyl acrylate	55	8.267	8.267	0.000	95	325243	20.0	21.6	
98 Styrene	104	8.273	8.273	0.000	94	377409	20.0	20.5	
99 Bromoform	173	8.413	8.413	0.000	95	87201	20.0	20.3	
100 Isopropylbenzene	105	8.584	8.584	0.000	97	571035	20.0	20.7	
101 Cyclohexanone	55	8.633	8.633	0.000	95	150753	500.0	489.5	
$ 103 4-Bromofluorobenzene (Surr)	95	8.700	8.700	0.000	86	409044	50.0	50.0	
104 Bromobenzene	156	8.810	8.810	0.000	98	137219	20.0	20.8	
105 1,1,2,2-Tetrachloroethane	83	8.828	8.828	0.000	96	173766	20.0	20.7	
106 1,2,3-Trichloropropane	110	8.852	8.852	0.000	90	53345	20.0	21.0	
107 trans-1,4-Dichloro-2-butene	53	8.877	8.877	0.000	93	182886	50.0	52.9	
108 N-Propylbenzene	91	8.919	8.919	0.000	99	707570	20.0	21.2	
109 2-Chlorotoluene	126	8.974	8.974	0.000	95	133501	20.0	20.6	
111 4-Chlorotoluene	126	9.060	9.060	0.000	99	137577	20.0	20.5	
110 1,3,5-Trimethylbenzene	105	9.066	9.066	0.000	94	494325	20.0	20.8	
113 tert-Butylbenzene	134	9.309	9.309	0.000	94	99105	20.0	20.8	
115 1,2,4-Trimethylbenzene	105	9.346	9.346	0.000	98	497660	20.0	20.7	
116 sec-Butylbenzene	105	9.480	9.480	0.000	95	601692	20.0	21.0	
117 1,3-Dichlorobenzene	146	9.541	9.541	0.000	96	256818	20.0	20.8	
118 4-Isopropyltoluene	119	9.590	9.590	0.000	97	519916	20.0	20.8	
* 119 1,4-Dichlorobenzene-d4	152	9.596	9.596	0.000	97	428680	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.608	9.608	0.000	93	259579	20.0	20.7	
121 1,2,3-Trimethylbenzene	105	9.657	9.657	0.000	99	508883	20.0	20.9	
122 Benzyl chloride	91	9.712	9.712	0.000	99	384868	20.0	21.1	
123 1,3-Diethylbenzene	119	9.809	9.809	0.000	95	292892	20.0	20.5	
124 p-Diethylbenzene	119	9.864	9.864	0.000	94	308467	20.0	20.8	
125 1,2-Dichlorobenzene	146	9.876	9.876	0.000	95	248798	20.0	20.9	
126 n-Butylbenzene	92	9.883	9.883	0.000	97	252904	20.0	20.7	
162 o-diethylbenzene	119	9.944	9.944	0.000	98	247409	20.0	20.7	
S 163 1,3-Dichloropropene, Total	100				0			41.1	
164 1,2-Dibromo-3-Chloropropane	75	10.413	10.413	0.000	75	47429	20.0	21.4	
165 1,3,5-Trichlorobenzene	180	10.565	10.565	0.000	96	170809	20.0	20.7	
166 1,2,4-Trichlorobenzene	180	10.974	10.974	0.000	94	160708	20.0	21.0	
167 Hexachlorobutadiene	225	11.090	11.090	0.000	97	69609	20.0	20.8	
271 2-Ethylhexyl acrylate	55	11.114	11.114	0.000	85	182801	20.0	21.4	
168 Naphthalene	128	11.132	11.132	0.000	98	549441	20.0	21.1	
S 169 Xylenes, Total	106				0			61.4	
170 1,2,3-Trichlorobenzene	180	11.285	11.285	0.000	93	150608	20.0	20.9	
171 2-Methylnaphthalene	142	11.846	11.846	0.000	92	257735	20.0	21.2	
S 194 Total Diethylbenzene	1				0			62.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00175	Amount Added:	4.00	Units: uL	
MSV_CCV_CYC_00008	Amount Added:	16.00	Units: uL	
MSV_CCV_VOC#3_00171	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00167	Amount Added:	4.00	Units: uL	
MSV_CCV_GASES_00723	Amount Added:	2.00	Units: uL	
MSV_CCV_EE_00006	Amount Added:	4.00	Units: uL	
MSV_CCV_OH_Sp_00009	Amount Added:	4.00	Units: uL	
MSV_Cent_ISSS_00023	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 18-Mar-2024 19:28:58 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X15.D

Injection Date: 18-Mar-2024 16:16:30 Instrument ID: 15648 Operator ID: jml01693

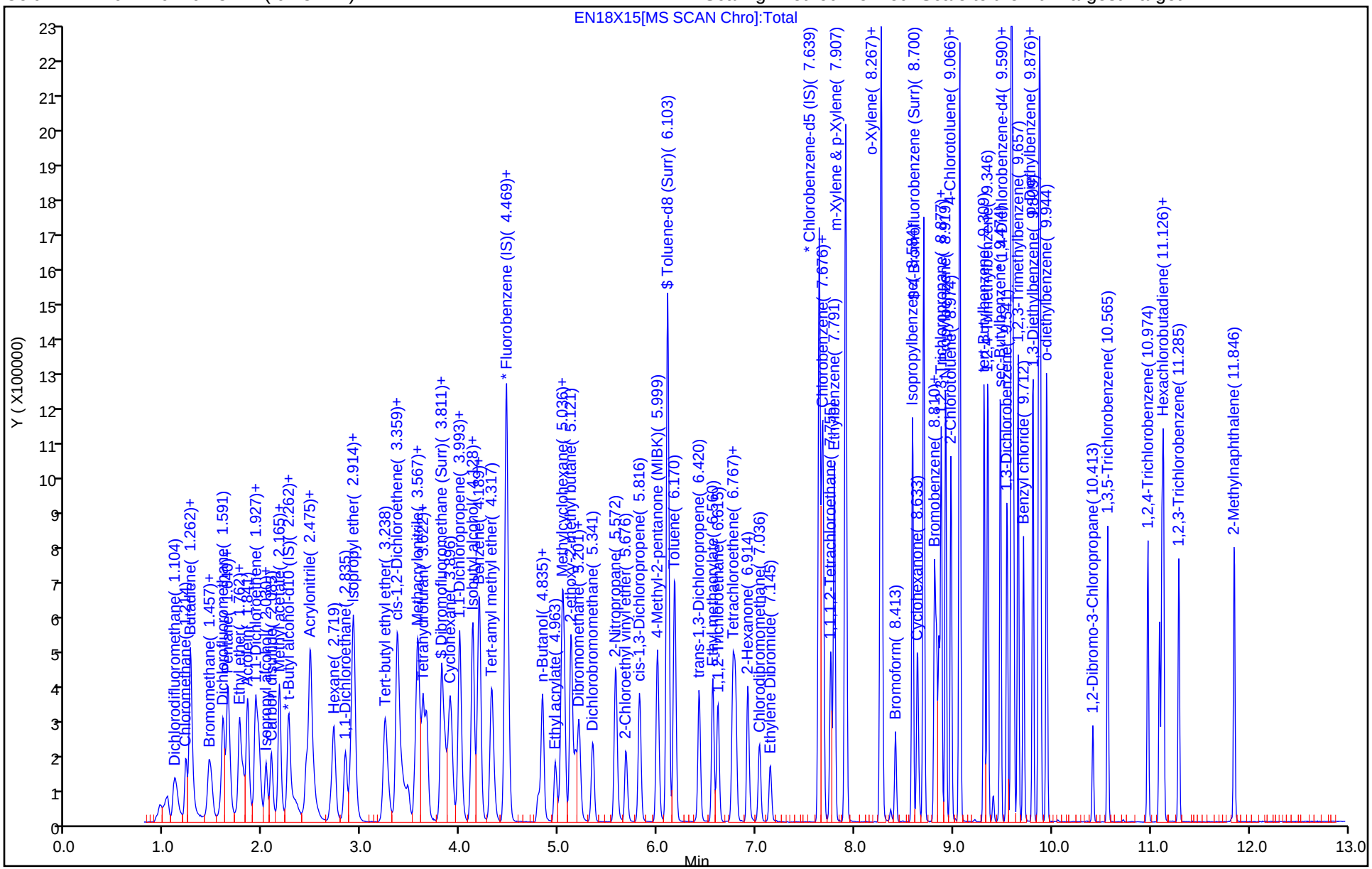
Lims ID: IC v20 Worklist Smp#: 15

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 15

Method: MSVoa_15648 Limit Group: MSV - 8260C_D

Column: DB-624 20m 0.18mm (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

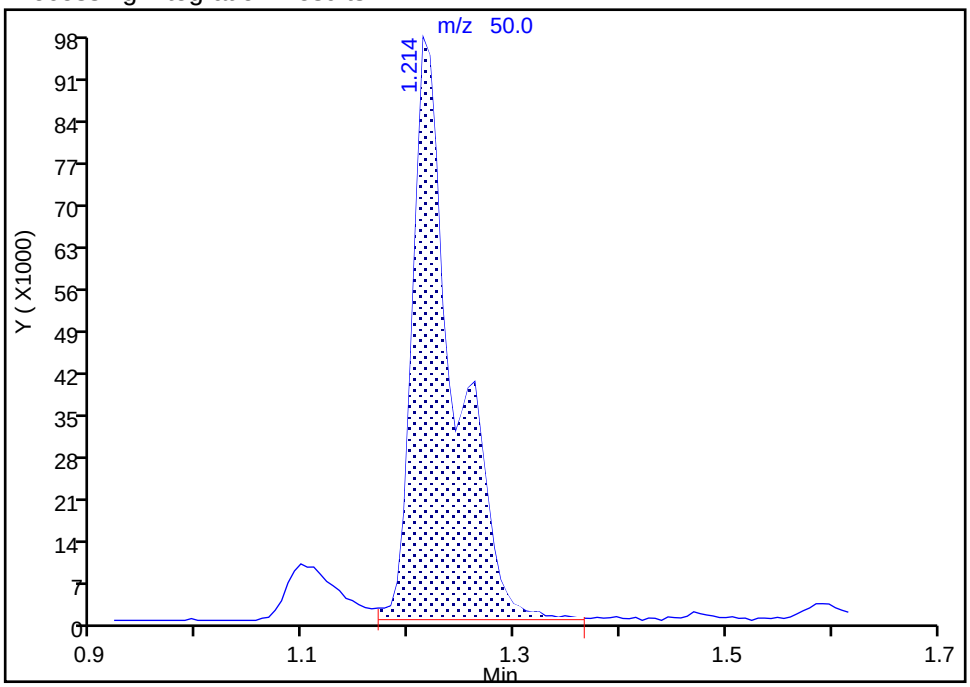
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X15.D				
Injection Date:	18-Mar-2024 16:16:30	Instrument ID:	15648		
Lims ID:	IC v20				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

4 Chloromethane, CAS: 74-87-3

Signal: 1

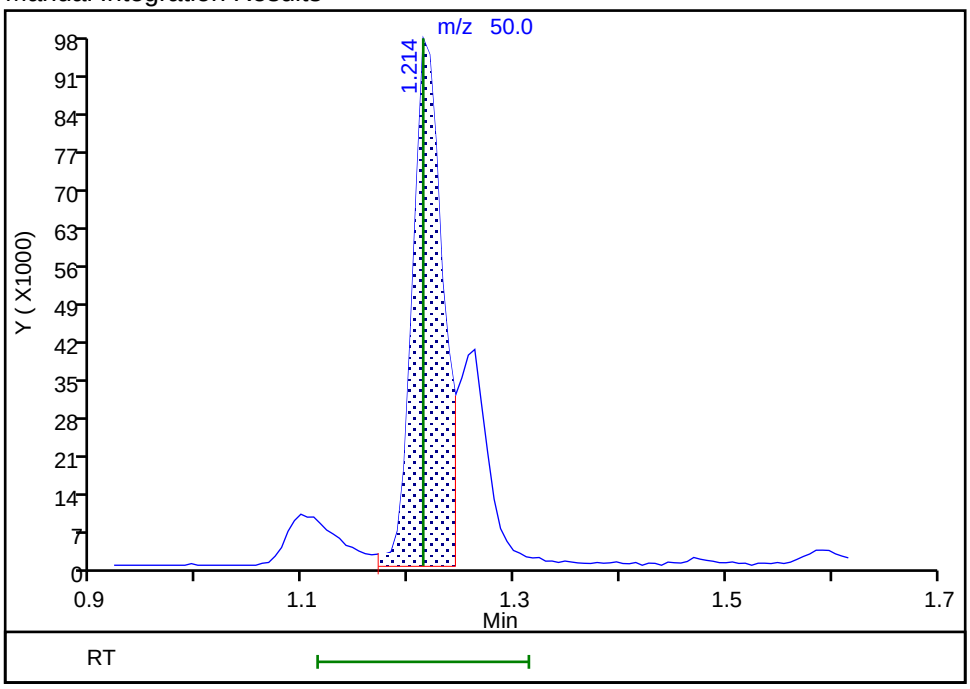
Processing Integration Results

RT: 1.21
Area: 270548
Amount: 26.443997
Amount Units: ug/l



Manual Integration Results

RT: 1.21
Area: 196885
Amount: 20.649365
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 17:58:20 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

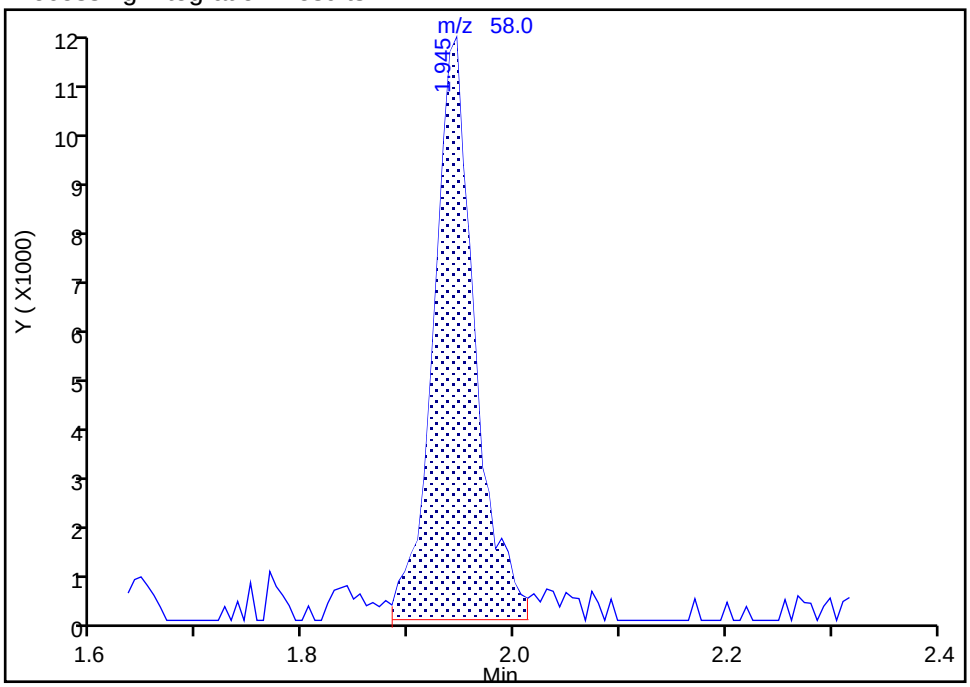
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X15.D				
Injection Date:	18-Mar-2024 16:16:30	Instrument ID:	15648		
Lims ID:	IC v20				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

18 Acetone, CAS: 67-64-1

Signal: 1

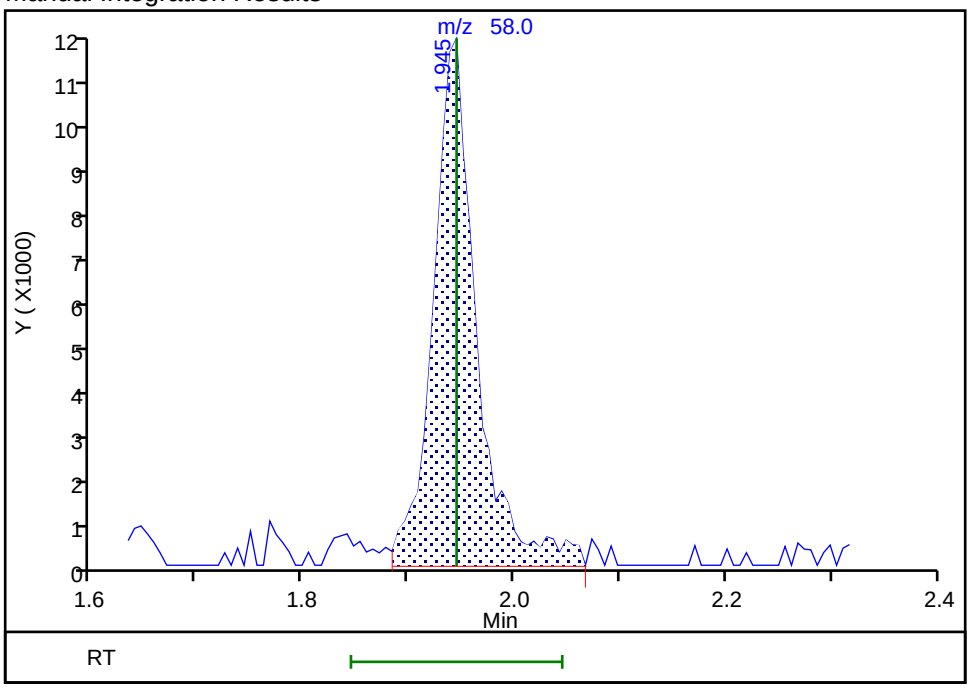
Processing Integration Results

RT: 1.95
Area: 29919
Amount: 39.195773
Amount Units: ug/l



Manual Integration Results

RT: 1.95
Area: 31244
Amount: 40.696508
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 17:58:37 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X16.D
Lims ID: ICIS v50
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 18-Mar-2024 16:36:30 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0108929-016
Misc. Info.: LG 50
Operator ID: jml01693 Instrument ID: 15648
Sublist: chrom-MSVoa_15648*sub75

Method: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2024 19:29:02 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: K4WN Date: 18-Mar-2024 17:51:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.116	1.116	0.000	99	519618	50.0	49.4	
4 Chloromethane	50	1.226	1.226	0.000	99	463983	50.0	47.0	M
5 Butadiene	39	1.268	1.268	0.000	97	546682	50.0	49.3	
6 Vinyl chloride	62	1.287	1.287	0.000	98	442389	50.0	48.3	
8 Bromomethane	94	1.457	1.457	0.000	92	274984	50.0	48.4	
9 Chloroethane	64	1.482	1.482	0.000	99	250269	50.0	46.6	
10 Dichlorofluoromethane	67	1.598	1.598	0.000	97	675552	50.0	46.8	
11 Pentane	43	1.652	1.652	0.000	95	568657	50.0	49.2	
12 Trichlorofluoromethane	101	1.665	1.665	0.000	98	563866	50.0	49.4	
14 Ethyl ether	59	1.768	1.768	0.000	95	263559	50.0	48.3	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	1.799	1.799	0.000	94	395535	50.0	47.2	
16 Acrolein	56	1.854	1.854	0.000	98	874967	500.0	474.7	
17 1,1-Dichloroethene	96	1.933	1.933	0.000	94	238677	50.0	48.5	
18 Acetone	58	1.951	1.951	0.000	98	73950	100.0	93.8	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.963	1.963	0.000	94	287848	50.0	51.1	
20 Isopropyl alcohol	45	2.037	2.037	0.000	40	120145	250.0	213.1	
21 Iodomethane	142	2.037	2.037	0.000	99	428285	50.0	48.4	
22 Carbon disulfide	76	2.091	2.091	0.000	100	706658	50.0	48.2	
25 3-Chloro-1-propene	41	2.177	2.177	0.000	85	552289	50.0	48.9	
26 Methyl acetate	43	2.177	2.177	0.000	99	327291	50.0	51.6	
27 Methylene Chloride	84	2.268	2.268	0.000	98	271975	50.0	47.9	
* 28 t-Butyl alcohol-d10 (IS)	65	2.268	2.268	0.000	39	220202	250.0	250.0	
29 2-Methyl-2-propanol	59	2.335	2.335	0.000	98	213380	250.0	215.7	
30 Acrylonitrile	53	2.445	2.445	0.000	97	381941	125.0	118.1	
32 trans-1,2-Dichloroethene	96	2.488	2.488	0.000	94	268873	50.0	48.7	
31 Methyl tert-butyl ether	73	2.494	2.494	0.000	98	975356	50.0	48.6	
33 Hexane	57	2.725	2.725	0.000	96	476844	50.0	49.6	
34 1,1-Dichloroethane	63	2.841	2.841	0.000	97	578375	50.0	48.7	
36 Isopropyl ether	45	2.921	2.921	0.000	92	1074348	50.0	49.1	
37 2-Chloro-1,3-butadiene	53	2.927	2.927	0.000	96	570598	50.0	48.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	3.244	3.244	0.000	98	1010801	50.0	48.2	
40 cis-1,2-Dichloroethene	96	3.366	3.366	0.000	86	302418	50.0	48.4	
39 2-Butanone (MEK)	43	3.372	3.372	0.000	99	436327	100.0	92.8	
41 2,2-Dichloropropane	77	3.378	3.378	0.000	91	525743	50.0	47.8	
42 Propionitrile	54	3.427	3.427	0.000	96	309276	250.0	234.4	
186 Methyl acrylate	55	3.475	3.475	0.000	99	425998	50.0	51.4	
44 Methacrylonitrile	67	3.567	3.567	0.000	94	405579	125.0	119.2	
45 Chlorobromomethane	128	3.585	3.585	0.000	93	138914	50.0	49.5	
46 Tetrahydrofuran	71	3.628	3.628	0.000	94	258816	250.0	239.7	
47 Chloroform	83	3.664	3.664	0.000	96	527114	50.0	47.3	
$ 48 Dibromofluoromethane (Surr)	113	3.817	3.817	0.000	92	256159	50.0	50.3	
49 1,1,1-Trichloroethane	97	3.847	3.847	0.000	97	489208	50.0	48.4	
51 Cyclohexane	56	3.902	3.902	0.000	96	606799	50.0	49.1	
52 1,1-Dichloropropene	75	4.000	4.000	0.000	90	441740	50.0	48.6	
53 Carbon tetrachloride	117	4.006	4.006	0.000	96	426920	50.0	49.4	
54 Isobutyl alcohol	41	4.128	4.128	0.000	68	197756	625.0	588.6	
$ 55 1,2-Dichloroethane-d4 (Surr)	65	4.134	4.134	0.000	97	399899	50.0	50.0	
56 Benzene	78	4.195	4.195	0.000	98	1199400	50.0	48.1	
57 1,2-Dichloroethane	62	4.207	4.207	0.000	98	488152	50.0	48.6	
59 Tert-amyl methyl ether	73	4.323	4.323	0.000	96	959443	50.0	49.1	
* 60 Fluorobenzene (IS)	96	4.469	4.469	0.000	97	1080528	50.0	50.0	
61 n-Heptane	43	4.487	4.487	0.000	97	463263	50.0	46.8	
62 n-Butanol	56	4.792	4.792	0.000	94	142819	625.0	567.5	
63 Trichloroethene	95	4.835	4.835	0.000	96	309973	50.0	48.4	
195 Ethyl acrylate	55	4.969	4.969	0.000	99	526228	50.0	50.7	
64 Methylcyclohexane	83	5.036	5.036	0.000	90	550471	50.0	49.9	
65 1,2-Dichloropropane	63	5.054	5.054	0.000	90	326985	50.0	48.5	
66 2-ethoxy-2-methyl butane	87	5.127	5.127	0.000	91	498899	50.0	48.8	
67 Dibromomethane	93	5.170	5.170	0.000	95	193494	50.0	48.5	
68 1,4-Dioxane	88	5.194	5.194	0.000	28	34290	625.0	643.0	M
69 Methyl methacrylate	69	5.207	5.207	0.000	92	275259	50.0	47.8	
71 Dichlorobromomethane	83	5.347	5.347	0.000	97	401387	50.0	49.1	
72 2-Nitropropane	41	5.579	5.579	0.000	99	806453	250.0	243.2	
73 2-Chloroethyl vinyl ether	63	5.682	5.682	0.000	93	239243	50.0	49.9	
74 cis-1,3-Dichloropropene	75	5.822	5.822	0.000	90	522860	50.0	49.0	
75 4-Methyl-2-pentanone (MIBK)	43	5.999	5.999	0.000	99	933616	100.0	96.4	
$ 77 Toluene-d8 (Surr)	98	6.103	6.103	0.000	95	1132849	50.0	50.1	
78 Toluene	92	6.176	6.176	0.000	97	770218	50.0	48.0	
79 trans-1,3-Dichloropropene	75	6.426	6.426	0.000	99	490575	50.0	48.4	
81 Ethyl methacrylate	69	6.560	6.560	0.000	92	506296	50.0	48.8	
82 1,1,2-Trichloroethane	97	6.615	6.615	0.000	93	265934	50.0	48.6	
83 Tetrachloroethene	166	6.767	6.767	0.000	94	317438	50.0	48.4	
84 1,3-Dichloropropane	76	6.792	6.792	0.000	97	485201	50.0	48.0	
86 2-Hexanone	43	6.914	6.914	0.000	98	673641	100.0	93.6	
87 Chlorodibromomethane	129	7.036	7.036	0.000	90	297466	50.0	49.0	
89 Ethylene Dibromide	107	7.145	7.145	0.000	99	280191	50.0	48.6	
* 90 Chlorobenzene-d5 (IS)	117	7.639	7.639	0.000	89	806749	50.0	50.0	
91 Chlorobenzene	112	7.670	7.670	0.000	91	817075	50.0	48.5	
92 1-Chlorohexane	91	7.682	7.682	0.000	91	419182	50.0	48.0	
94 1,1,1,2-Tetrachloroethane	131	7.761	7.761	0.000	94	290735	50.0	49.6	
95 Ethylbenzene	91	7.792	7.792	0.000	99	1521665	50.0	48.2	
96 m-Xylene & p-Xylene	106	7.907	7.907	0.000	99	1168006	100.0	98.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
97 o-Xylene	106	8.261	8.261	0.000	96	574056	50.0	49.2	
274 n-Butyl acrylate	55	8.267	8.267	0.000	94	794370	50.0	50.3	
98 Styrene	104	8.273	8.273	0.000	91	941841	50.0	48.9	
99 Bromoform	173	8.413	8.413	0.000	94	217950	50.0	48.5	
100 Isopropylbenzene	105	8.584	8.584	0.000	97	1413342	50.0	48.9	
101 Cyclohexanone	55	8.639	8.639	0.000	96	188365	625.0	595.5	
$ 103 4-Bromofluorobenzene (Surr)	95	8.700	8.700	0.000	86	431641	50.0	50.3	
104 Bromobenzene	156	8.810	8.810	0.000	99	336870	50.0	48.2	
105 1,1,2,2-Tetrachloroethane	83	8.828	8.828	0.000	96	421856	50.0	47.4	
106 1,2,3-Trichloropropane	110	8.852	8.852	0.000	89	128777	50.0	47.8	
107 trans-1,4-Dichloro-2-butene	53	8.877	8.877	0.000	94	445178	125.0	121.5	
108 N-Propylbenzene	91	8.925	8.925	0.000	99	1767935	50.0	50.0	
109 2-Chlorotoluene	126	8.974	8.974	0.000	95	336001	50.0	48.8	
111 4-Chlorotoluene	126	9.066	9.066	0.000	99	350122	50.0	49.3	
110 1,3,5-Trimethylbenzene	105	9.066	9.066	0.000	93	1254370	50.0	49.8	
113 tert-Butylbenzene	134	9.316	9.316	0.000	94	253338	50.0	50.1	
115 1,2,4-Trimethylbenzene	105	9.346	9.346	0.000	99	1255978	50.0	49.4	
116 sec-Butylbenzene	105	9.480	9.480	0.000	95	1536543	50.0	50.6	
117 1,3-Dichlorobenzene	146	9.547	9.547	0.000	97	644822	50.0	49.4	
118 4-Isopropyltoluene	119	9.590	9.590	0.000	97	1330733	50.0	50.1	
* 119 1,4-Dichlorobenzene-d4	152	9.596	9.596	0.000	96	454380	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.608	9.608	0.000	93	649946	50.0	48.9	
121 1,2,3-Trimethylbenzene	105	9.657	9.657	0.000	100	1276926	50.0	49.5	
122 Benzyl chloride	91	9.712	9.712	0.000	99	954619	50.0	49.3	
123 1,3-Diethylbenzene	119	9.809	9.809	0.000	95	755290	50.0	49.9	
124 p-Diethylbenzene	119	9.864	9.864	0.000	93	793491	50.0	50.5	
125 1,2-Dichlorobenzene	146	9.877	9.877	0.000	95	620904	50.0	49.2	
126 n-Butylbenzene	92	9.883	9.883	0.000	97	649201	50.0	50.2	
162 o-diethylbenzene	119	9.944	9.944	0.000	97	624679	50.0	49.2	
164 1,2-Dibromo-3-Chloropropane	75	10.413	10.413	0.000	78	112778	50.0	48.0	
165 1,3,5-Trichlorobenzene	180	10.565	10.565	0.000	96	439116	50.0	50.1	
166 1,2,4-Trichlorobenzene	180	10.974	10.974	0.000	93	407522	50.0	50.3	
167 Hexachlorobutadiene	225	11.090	11.090	0.000	95	179744	50.0	50.7	
271 2-Ethylhexyl acrylate	55	11.114	11.114	0.000	84	469426	50.0	51.8	
168 Naphthalene	128	11.126	11.126	0.000	98	1374359	50.0	49.9	
170 1,2,3-Trichlorobenzene	180	11.285	11.285	0.000	95	380694	50.0	49.9	
171 2-Methylnaphthalene	142	11.846	11.846	0.000	92	662857	50.0	51.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00175	Amount Added:	5.00	Units: uL	
MSV_CCV_CYC_00008	Amount Added:	10.00	Units: uL	
MSV_CCV_VOC#3_00171	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00167	Amount Added:	5.00	Units: uL	
MSV_CCV_GASES_00723	Amount Added:	2.50	Units: uL	
MSV_CCV_EE_00006	Amount Added:	5.00	Units: uL	
MSV_CCV_OH_Sp_00009	Amount Added:	5.00	Units: uL	
MSV_Cent_ISSS_00023	Amount Added:	5.00	Units: uL	Run Reagent

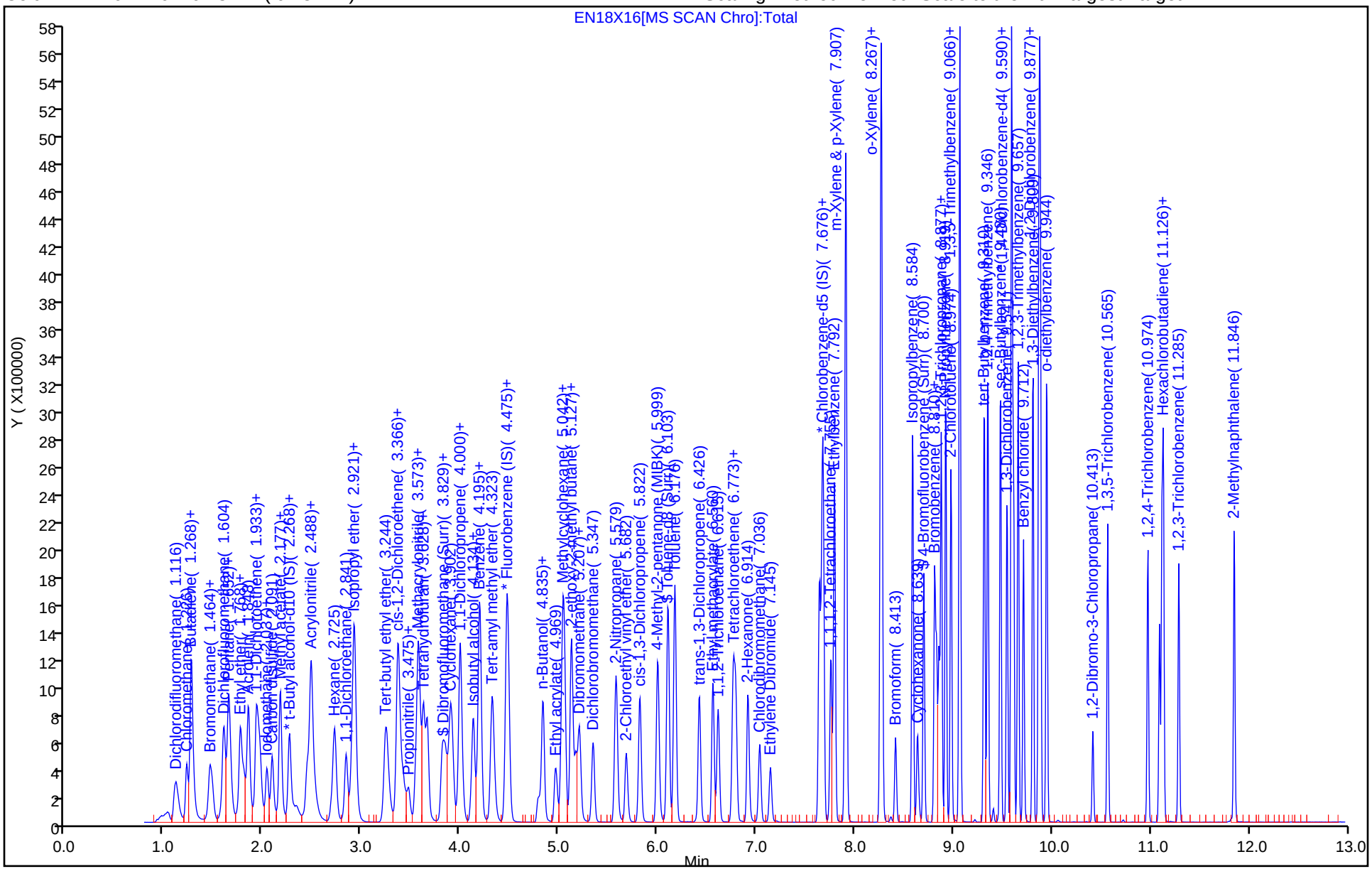
Report Date: 18-Mar-2024 19:29:03 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X16.D

Injection Date:	18-Mar-2024 16:36:30	Instrument ID:	15648	Operator ID:	jml01693
Lims ID:	ICIS v50			Worklist Smp#:	16
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		

Column: DB-624 20m 0.18mm (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

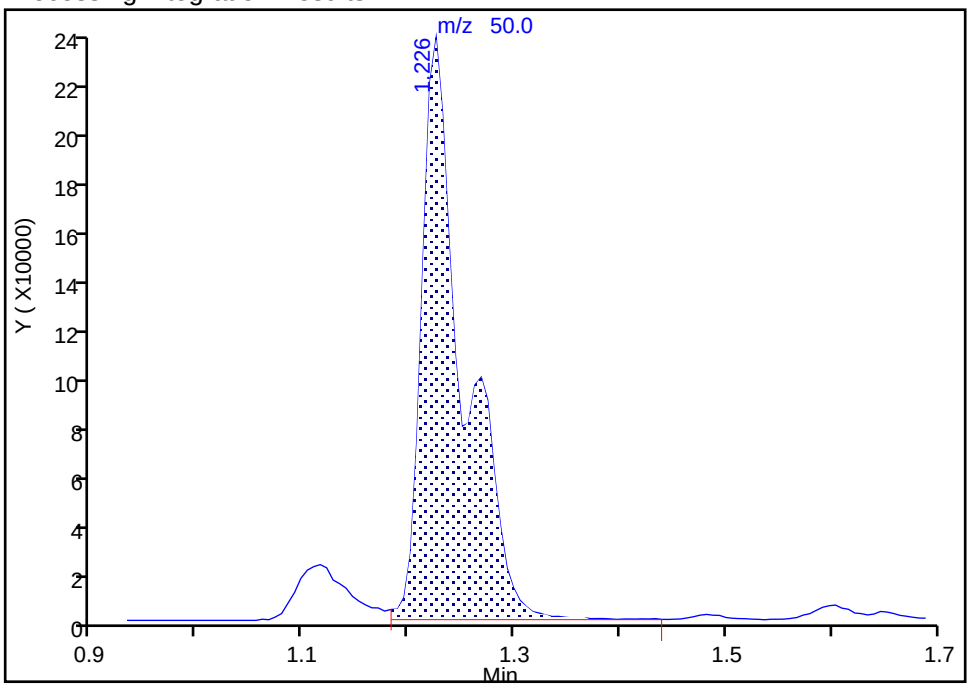
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X16.D				
Injection Date:	18-Mar-2024 16:36:30	Instrument ID:	15648		
Lims ID:	ICIS v50				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

4 Chloromethane, CAS: 74-87-3

Signal: 1

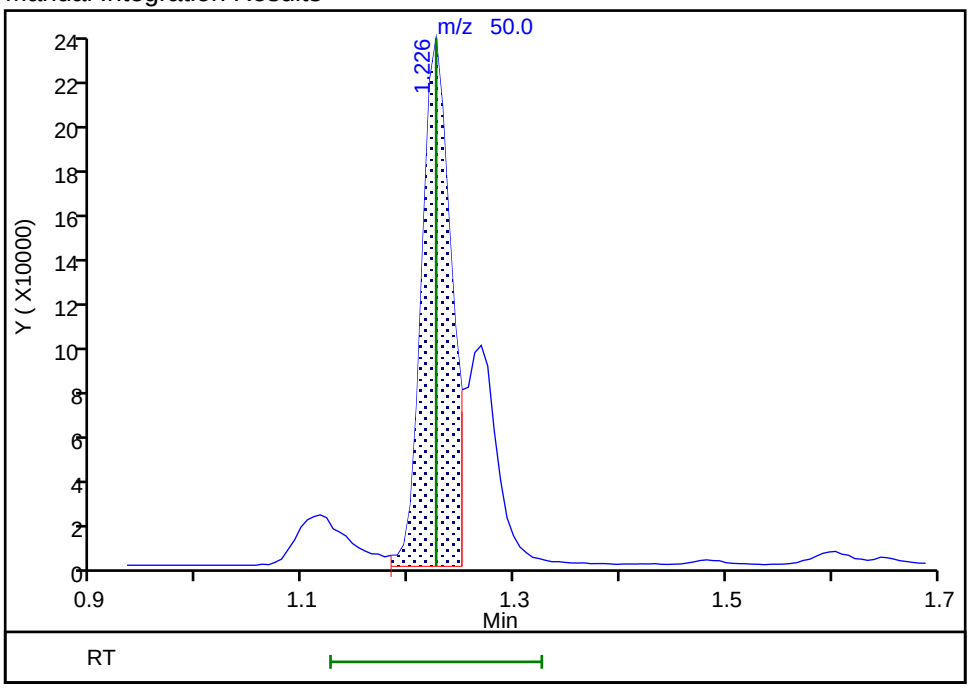
Processing Integration Results

RT: 1.23
Area: 659523
Amount: 67.571667
Amount Units: ug/l



Manual Integration Results

RT: 1.23
Area: 463983
Amount: 47.018156
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 17:51:08 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

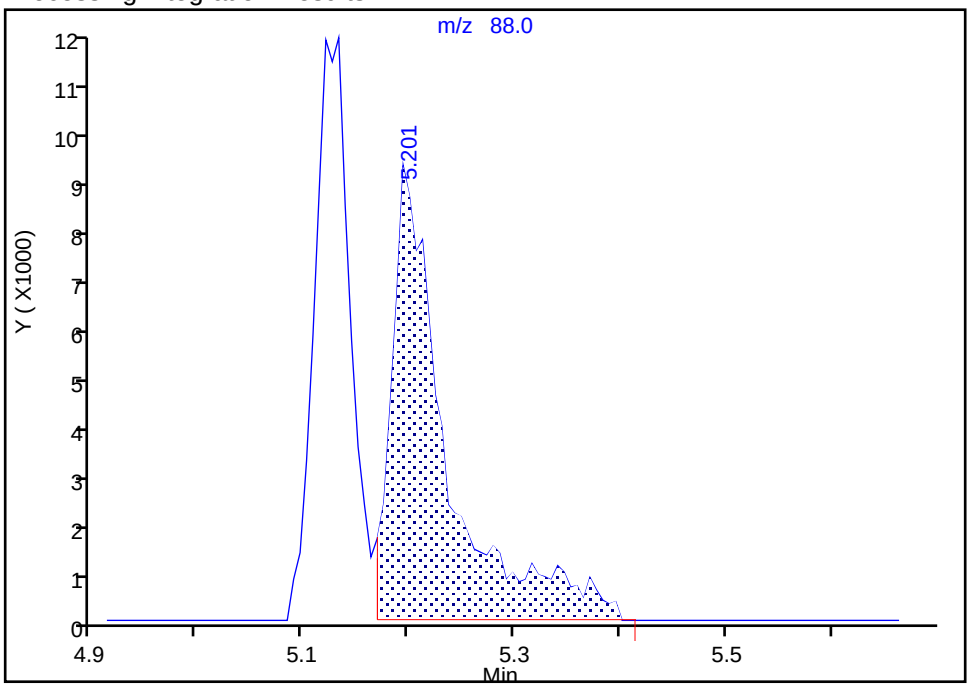
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X16.D				
Injection Date:	18-Mar-2024 16:36:30	Instrument ID:	15648		
Lims ID:	ICIS v50				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

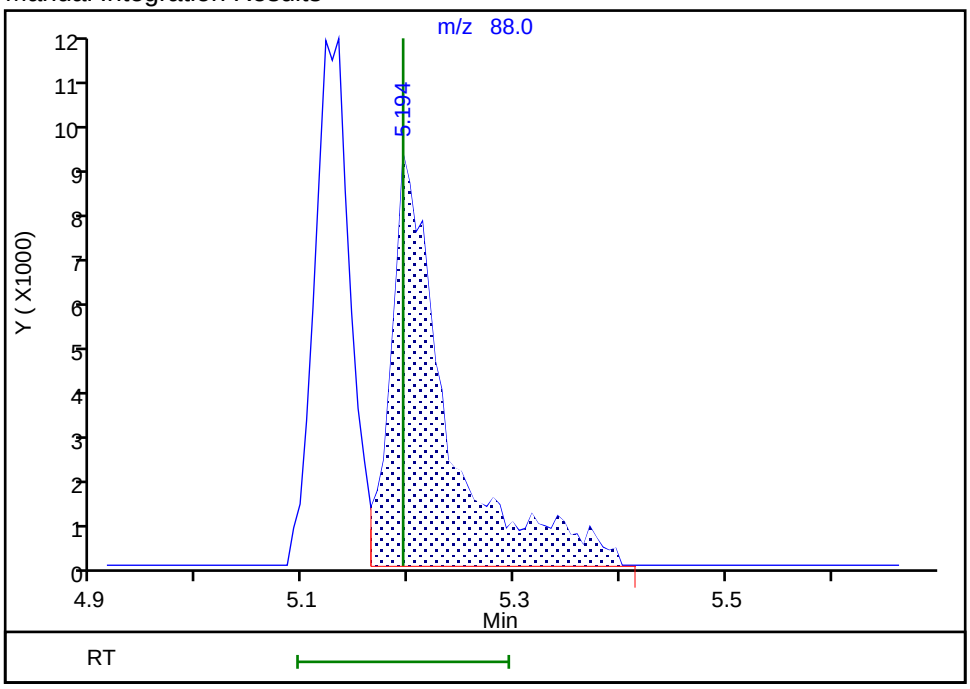
Processing Integration Results

RT: 5.20
Area: 33816
Amount: 650.7992
Amount Units: ug/l



Manual Integration Results

RT: 5.19
Area: 34290
Amount: 642.9956
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 17:47:44 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X17.D
Lims ID: IC v100
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 18-Mar-2024 16:56:30 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0108929-017
Misc. Info.: LG 100
Operator ID: jml01693 Instrument ID: 15648
Sublist: chrom-MSVoa_15648*sub75

Method: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2024 19:29:11 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: K4WN Date: 18-Mar-2024 18:00:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.110	1.116	-0.006	99	994884	100.0	97.0	M
4 Chloromethane	50	1.226	1.226	0.000	99	923092	100.0	96.0	M
5 Butadiene	39	1.269	1.268	0.000	97	1047434	100.0	96.9	
6 Vinyl chloride	62	1.287	1.287	0.000	98	888899	100.0	99.5	
8 Bromomethane	94	1.457	1.457	0.000	92	536276	100.0	96.9	
9 Chloroethane	64	1.482	1.482	0.000	99	497322	100.0	95.1	
10 Dichlorofluoromethane	67	1.598	1.598	0.000	98	1322632	100.0	94.1	
11 Pentane	43	1.646	1.652	-0.006	95	1161976	100.0	103.1	
12 Trichlorofluoromethane	101	1.665	1.665	0.000	98	1084771	100.0	97.5	
14 Ethyl ether	59	1.768	1.768	0.000	94	548140	100.0	103.2	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	1.793	1.799	-0.006	95	766834	100.0	94.0	
16 Acrolein	56	1.848	1.854	-0.006	99	1886705	999.9	1025.1	
17 1,1-Dichloroethene	96	1.927	1.933	-0.006	94	497917	100.0	103.7	
18 Acetone	58	1.945	1.951	-0.006	98	158404	200.0	201.2	M
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.963	1.963	0.000	93	576843	100.0	105.1	
20 Isopropyl alcohol	45	2.031	2.037	-0.006	43	259786	500.0	461.4	
21 Iodomethane	142	2.037	2.037	0.000	100	886200	100.0	102.7	
22 Carbon disulfide	76	2.092	2.091	0.001	100	1483164	100.0	103.8	
25 3-Chloro-1-propene	41	2.171	2.177	-0.006	86	1156176	100.0	105.1	
26 Methyl acetate	43	2.177	2.177	0.000	99	683765	100.0	110.5	
27 Methylene Chloride	84	2.268	2.268	0.000	98	565692	100.0	102.2	
* 28 t-Butyl alcohol-d10 (IS)	65	2.274	2.268	0.006	32	219866	250.0	250.0	
29 2-Methyl-2-propanol	59	2.341	2.335	0.006	99	463070	500.0	468.9	
30 Acrylonitrile	53	2.445	2.445	0.000	97	794406	250.0	252.0	
32 trans-1,2-Dichloroethene	96	2.488	2.488	0.000	94	561408	100.0	104.4	
31 Methyl tert-butyl ether	73	2.494	2.494	0.000	98	2037346	100.0	104.1	
33 Hexane	57	2.719	2.725	-0.006	95	963304	100.0	102.8	
34 1,1-Dichloroethane	63	2.841	2.841	0.000	97	1182733	100.0	102.1	
36 Isopropyl ether	45	2.915	2.921	-0.006	92	2209174	100.0	103.5	
37 2-Chloro-1,3-butadiene	53	2.927	2.927	0.000	95	1187836	100.0	104.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	3.244	3.244	0.000	98	2139614	100.0	104.6	
40 cis-1,2-Dichloroethene	96	3.366	3.366	0.000	86	635209	100.0	104.3	
39 2-Butanone (MEK)	43	3.372	3.372	0.000	100	909058	200.0	198.3	
41 2,2-Dichloropropane	77	3.378	3.378	0.000	90	1092217	100.0	101.9	
42 Propionitrile	54	3.421	3.427	-0.006	95	651148	500.0	494.3	
186 Methyl acrylate	55	3.475	3.475	0.000	99	900823	100.0	111.6	
44 Methacrylonitrile	67	3.567	3.567	0.000	93	847238	250.0	255.5	
45 Chlorobromomethane	128	3.585	3.585	0.000	94	293518	100.0	107.2	
46 Tetrahydrofuran	71	3.628	3.628	0.000	92	546009	500.0	506.5	
47 Chloroform	83	3.664	3.664	0.000	96	1099947	100.0	101.3	
$ 48 Dibromofluoromethane (Surr)	113	3.811	3.817	-0.006	93	247919	50.0	50.0	
49 1,1,1-Trichloroethane	97	3.847	3.847	0.000	97	1023956	100.0	104.1	
51 Cyclohexane	56	3.908	3.902	0.006	96	1233527	100.0	102.5	
52 1,1-Dichloropropene	75	3.994	4.000	-0.006	91	929590	100.0	104.9	
53 Carbon tetrachloride	117	4.006	4.006	0.000	97	896533	100.0	106.5	
54 Isobutyl alcohol	41	4.128	4.128	0.000	92	437520	1250.0	1304.2	
$ 55 1,2-Dichloroethane-d4 (Surr)	65	4.134	4.134	0.000	98	383964	50.0	49.3	
56 Benzene	78	4.195	4.195	0.000	98	2514986	100.0	103.6	
57 1,2-Dichloroethane	62	4.207	4.207	0.000	98	1008545	100.0	103.1	
59 Tert-amyl methyl ether	73	4.323	4.323	0.000	96	1984845	100.0	104.2	
* 60 Fluorobenzene (IS)	96	4.469	4.469	0.000	98	1053021	50.0	50.0	
61 n-Heptane	43	4.487	4.487	0.000	94	958611	100.0	99.4	
62 n-Butanol	56	4.792	4.792	0.000	92	328172	1250.0	1306.1	
63 Trichloroethene	95	4.835	4.835	0.000	97	649000	100.0	104.0	
195 Ethyl acrylate	55	4.963	4.969	-0.006	99	1125091	100.0	111.3	
64 Methylcyclohexane	83	5.036	5.036	0.000	93	1148692	100.0	106.8	
65 1,2-Dichloropropane	63	5.054	5.054	0.000	90	692199	100.0	105.4	
66 2-ethoxy-2-methyl butane	87	5.128	5.127	0.001	91	1049118	100.0	105.2	
67 Dibromomethane	93	5.170	5.170	0.000	96	405063	100.0	104.2	
68 1,4-Dioxane	88	5.201	5.194	0.007	30	75666	1250.0	1421.0	
69 Methyl methacrylate	69	5.207	5.207	0.000	92	589571	100.0	105.1	
71 Dichlorobromomethane	83	5.347	5.347	0.000	98	841981	100.0	105.7	
72 2-Nitropropane	41	5.579	5.579	0.000	99	1700188	500.0	513.4	
73 2-Chloroethyl vinyl ether	63	5.682	5.682	0.000	93	504140	100.0	107.8	
74 cis-1,3-Dichloropropene	75	5.822	5.822	0.000	90	1112102	100.0	106.9	
75 4-Methyl-2-pentanone (MIBK)	43	5.999	5.999	0.000	99	1990514	200.0	211.0	
$ 77 Toluene-d8 (Surr)	98	6.103	6.103	0.000	95	1100866	50.0	50.0	
S 76 1,2-Dichloroethene, Total	100				0			208.7	
78 Toluene	92	6.176	6.176	0.000	97	1632499	100.0	104.4	
79 trans-1,3-Dichloropropene	75	6.426	6.426	0.000	100	1054858	100.0	106.9	
81 Ethyl methacrylate	69	6.560	6.560	0.000	92	1077428	100.0	106.6	
82 1,1,2-Trichloroethane	97	6.615	6.615	0.000	94	550987	100.0	103.4	
83 Tetrachloroethene	166	6.767	6.767	0.000	94	666697	100.0	104.3	
84 1,3-Dichloropropane	76	6.792	6.792	0.000	97	1026115	100.0	104.1	
86 2-Hexanone	43	6.914	6.914	0.000	98	1446683	200.0	206.4	
87 Chlorodibromomethane	129	7.036	7.036	0.000	90	635342	100.0	107.4	
89 Ethylene Dibromide	107	7.145	7.145	0.000	98	588479	100.0	104.7	
* 90 Chlorobenzene-d5 (IS)	117	7.639	7.639	0.000	88	786031	50.0	50.0	
91 Chlorobenzene	112	7.670	7.670	0.000	91	1719105	100.0	104.7	
92 1-Chlorohexane	91	7.682	7.682	0.000	93	881474	100.0	103.6	
94 1,1,1,2-Tetrachloroethane	131	7.761	7.761	0.000	94	615024	100.0	107.7	
95 Ethylbenzene	91	7.792	7.792	0.000	99	3187705	100.0	103.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
96 m-Xylene & p-Xylene	106	7.907	7.907	0.000	99	2447138	200.0	211.5	
97 o-Xylene	106	8.261	8.261	0.000	98	1206858	100.0	106.2	
274 n-Butyl acrylate	55	8.267	8.267	0.000	95	1671299	100.0	108.7	
98 Styrene	104	8.273	8.273	0.000	91	2008145	100.0	106.9	
99 Bromoform	173	8.413	8.413	0.000	95	475200	100.0	108.5	
100 Isopropylbenzene	105	8.590	8.584	0.006	97	2975336	100.0	105.7	
101 Cyclohexanone	55	8.633	8.639	-0.006	94	432443	1250.0	1369.3	
$ 103 4-Bromofluorobenzene (Surr)	95	8.700	8.700	0.000	86	414480	50.0	49.6	
104 Bromobenzene	156	8.810	8.810	0.000	99	708856	100.0	103.9	
105 1,1,2,2-Tetrachloroethane	83	8.828	8.828	0.000	95	900923	100.0	103.7	
106 1,2,3-Trichloropropane	110	8.852	8.852	0.000	88	270686	100.0	103.0	
107 trans-1,4-Dichloro-2-butene	53	8.877	8.877	0.000	94	948108	250.0	265.3	
108 N-Propylbenzene	91	8.926	8.925	0.001	99	3707069	100.0	107.4	
109 2-Chlorotoluene	126	8.974	8.974	0.000	95	711350	100.0	106.0	
111 4-Chlorotoluene	126	9.066	9.066	0.000	99	738909	100.0	106.5	
110 1,3,5-Trimethylbenzene	105	9.066	9.066	0.000	94	2638628	100.0	107.4	
113 tert-Butylbenzene	134	9.316	9.316	0.000	94	532183	100.0	107.9	
115 1,2,4-Trimethylbenzene	105	9.346	9.346	0.000	99	2657800	100.0	107.1	
116 sec-Butylbenzene	105	9.480	9.480	0.000	95	3251459	100.0	109.7	
117 1,3-Dichlorobenzene	146	9.547	9.547	0.000	97	1351511	100.0	106.1	
118 4-Isopropyltoluene	119	9.590	9.590	0.000	97	2827433	100.0	109.1	
* 119 1,4-Dichlorobenzene-d4	152	9.596	9.596	0.000	95	443273	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.608	9.608	0.000	93	1370693	100.0	105.7	
121 1,2,3-Trimethylbenzene	105	9.657	9.657	0.000	99	2663401	100.0	105.8	
122 Benzyl chloride	91	9.712	9.712	0.000	99	2044357	100.0	108.3	
123 1,3-Diethylbenzene	119	9.810	9.809	0.001	95	1594387	100.0	108.0	
124 p-Diethylbenzene	119	9.864	9.864	0.000	93	1672435	100.0	109.2	
125 1,2-Dichlorobenzene	146	9.877	9.877	0.001	95	1321346	100.0	107.3	
126 n-Butylbenzene	92	9.883	9.883	0.000	97	1363710	100.0	108.0	
162 o-diethylbenzene	119	9.950	9.944	0.006	97	1325801	100.0	107.1	
S 163 1,3-Dichloropropene, Total	100				0			213.9	
164 1,2-Dibromo-3-Chloropropane	75	10.413	10.413	0.000	79	244056	100.0	106.6	
165 1,3,5-Trichlorobenzene	180	10.565	10.565	0.000	96	934856	100.0	109.3	
166 1,2,4-Trichlorobenzene	180	10.974	10.974	0.000	93	889462	100.0	112.6	
167 Hexachlorobutadiene	225	11.090	11.090	0.000	95	382754	100.0	110.6	
271 2-Ethylhexyl acrylate	55	11.114	11.114	0.000	85	1060908	100.0	120.1	
168 Naphthalene	128	11.132	11.126	0.006	98	3005097	100.0	111.8	
S 169 Xylenes, Total	106				0			317.7	
170 1,2,3-Trichlorobenzene	180	11.285	11.285	0.000	94	842413	100.0	113.2	
171 2-Methylnaphthalene	142	11.846	11.846	0.000	92	1522842	100.0	121.4	
S 194 Total Diethylbenzene	1				0			324.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00175	Amount Added:	5.00	Units: uL	
MSV_CCV_CYC_00008	Amount Added:	10.00	Units: uL	
MSV_CCV_VOC#3_00171	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00167	Amount Added:	5.00	Units: uL	
MSV_CCV_GASES_00723	Amount Added:	2.50	Units: uL	
MSV_CCV_EE_00006	Amount Added:	5.00	Units: uL	
MSV_CCV_OH_Sp_00009	Amount Added:	5.00	Units: uL	
MSV_Cent_ISSS_00023	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 18-Mar-2024 19:29:12 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X17.D

Injection Date: 18-Mar-2024 16:56:30 Instrument ID: 15648 Operator ID: jml01693

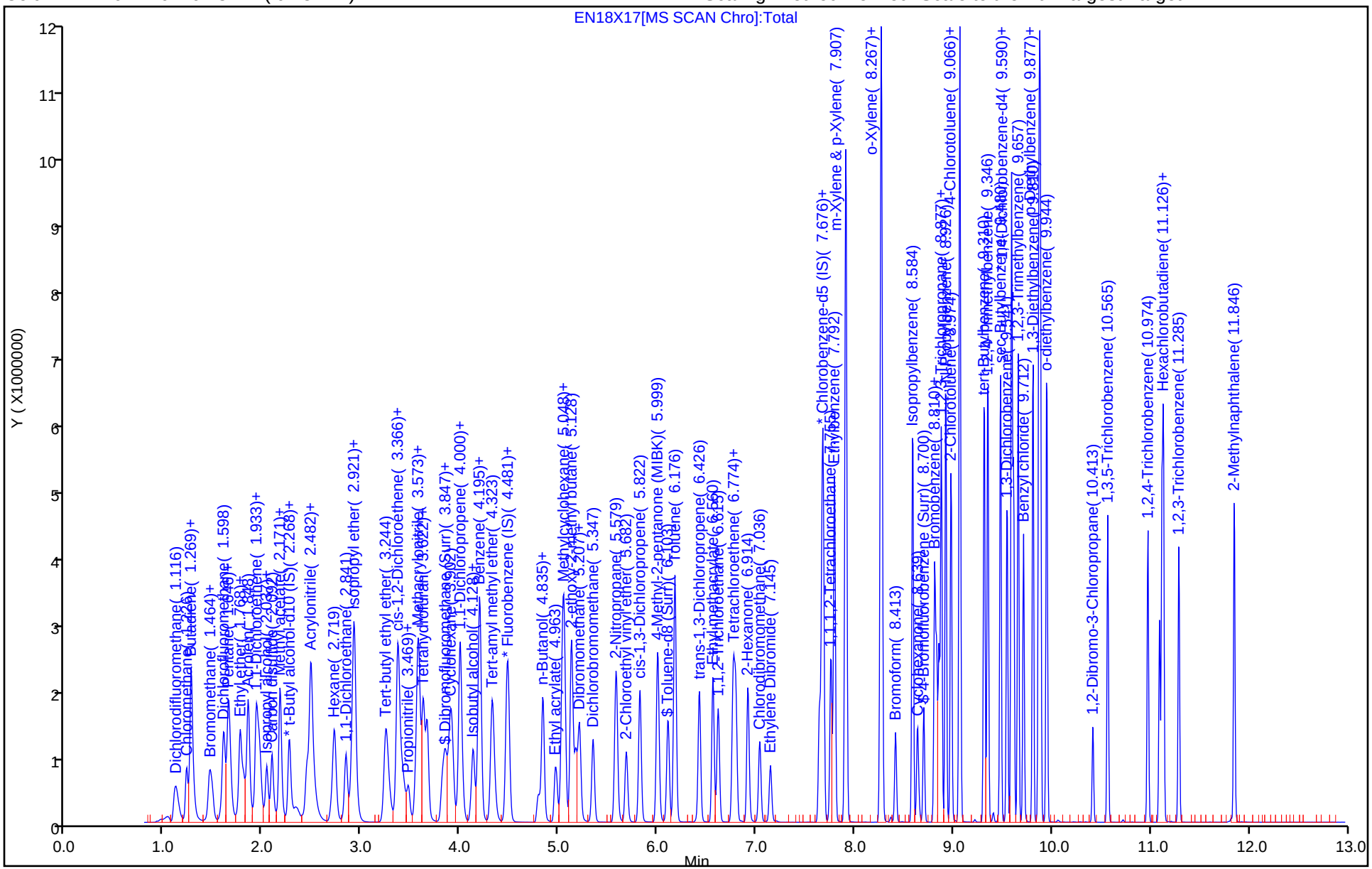
Lims ID: IC v100 Worklist Smp#: 17

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 17

Method: MSVoa_15648 Limit Group: MSV - 8260C_D

Column: DB-624 20m 0.18mm (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

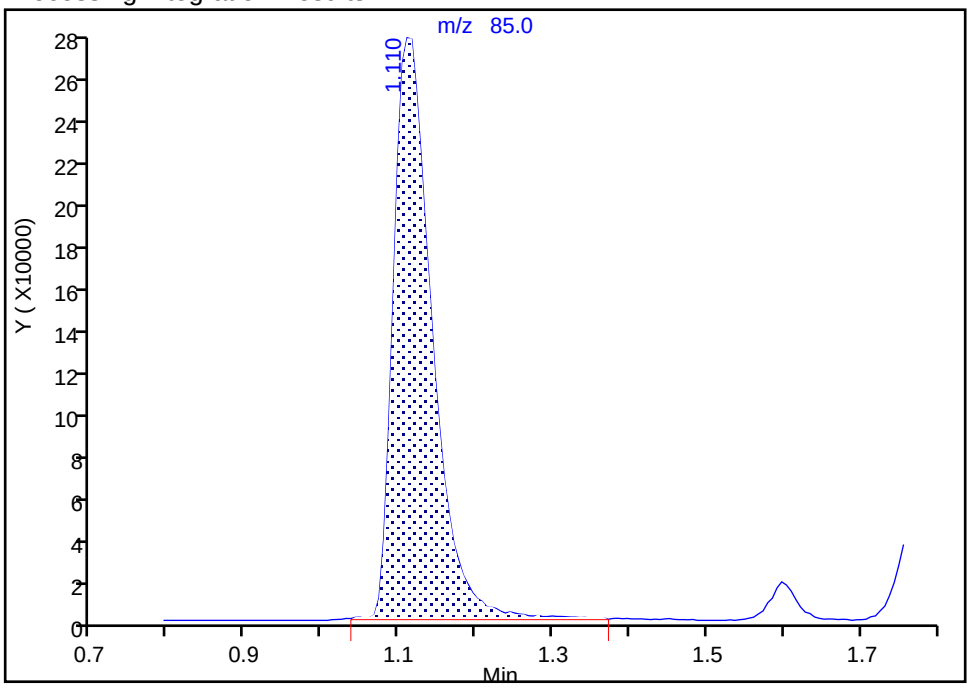
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X17.D				
Injection Date:	18-Mar-2024 16:56:30	Instrument ID:	15648		
Lims ID:	IC v100				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

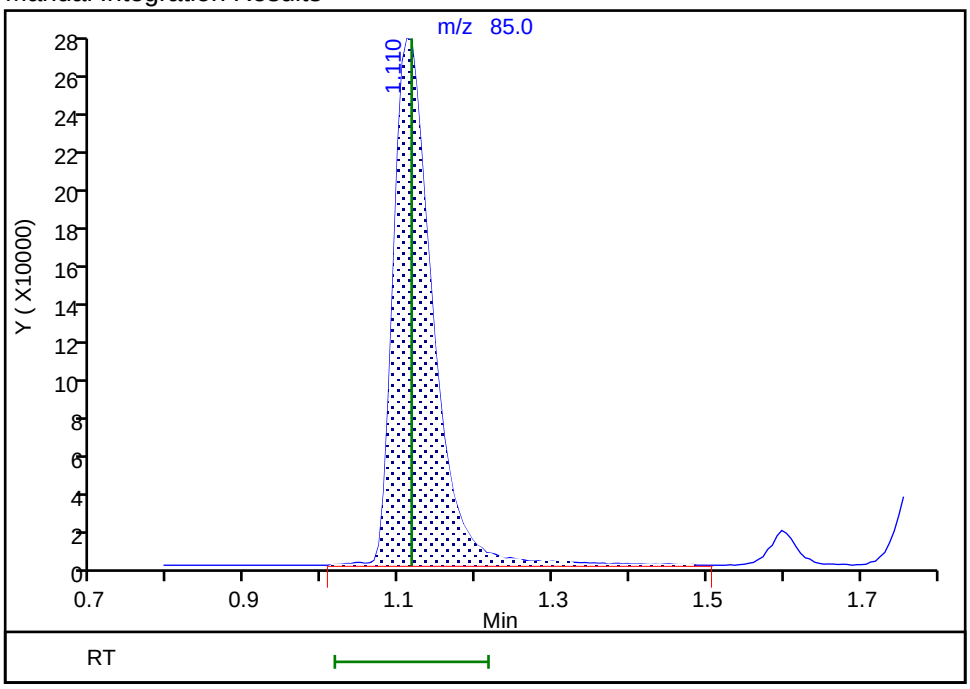
Processing Integration Results

RT: 1.11
Area: 983899
Amount: 96.116289
Amount Units: ug/l



Manual Integration Results

RT: 1.11
Area: 994884
Amount: 97.030673
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 17:59:28 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

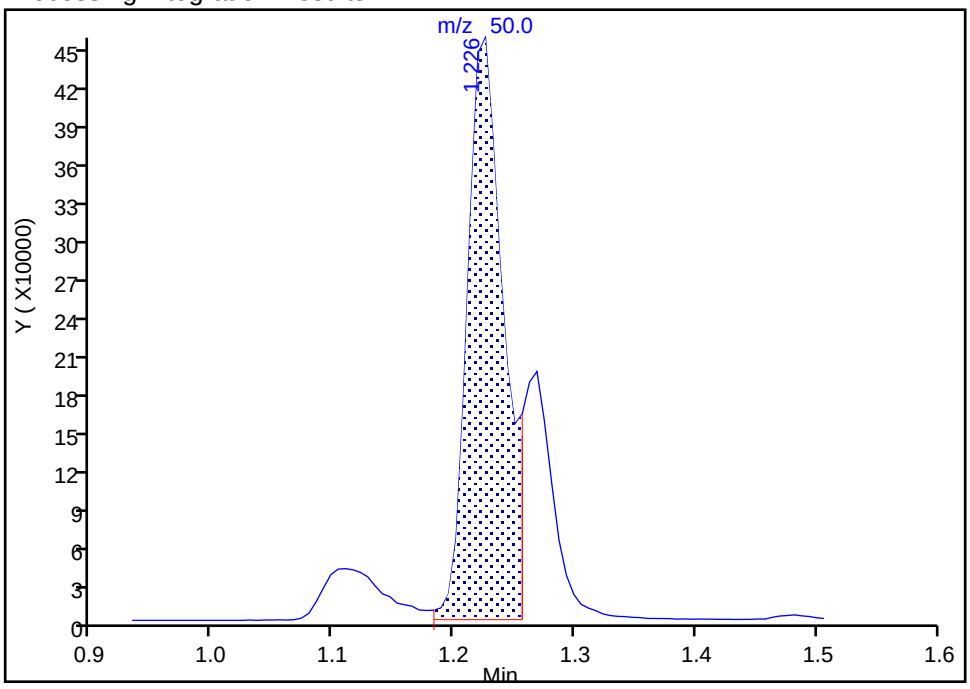
Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X17.D
Injection Date: 18-Mar-2024 16:56:30 Instrument ID: 15648
Lims ID: IC v100
Client ID:
Operator ID: jml01693 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15648 Limit Group: MSV - 8260C_D
Column: DB-624 20m 0.18mm (0.18 mm) Detector MS Quad

4 Chloromethane, CAS: 74-87-3

Signal: 1

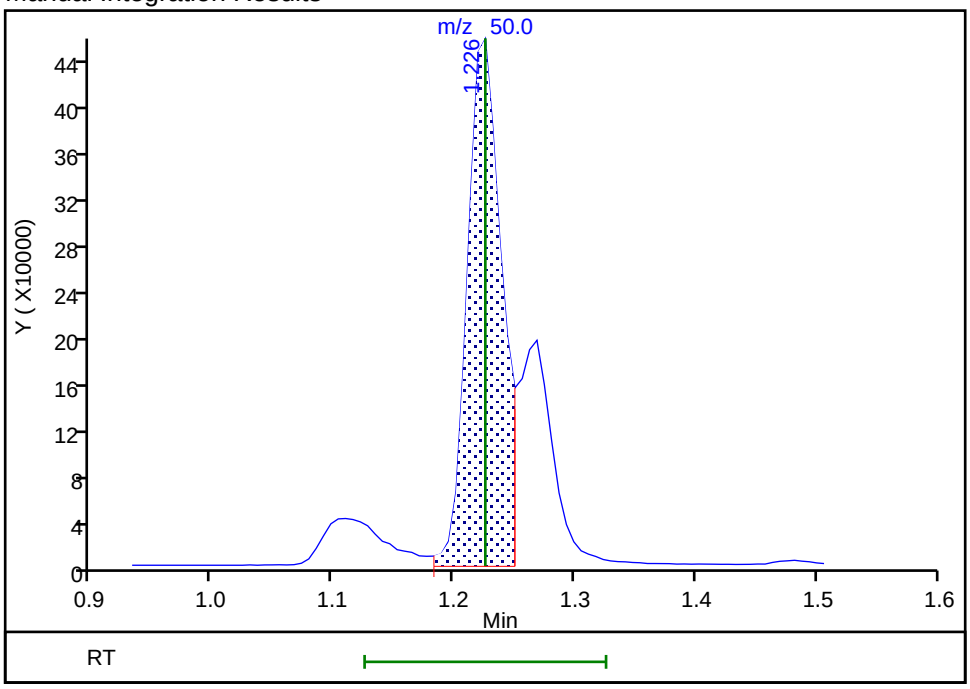
Processing Integration Results

RT: 1.23
Area: 982624
Amount: 100.3849
Amount Units: ug/l



Manual Integration Results

RT: 1.23
Area: 923092
Amount: 95.985915
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 17:59:35 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

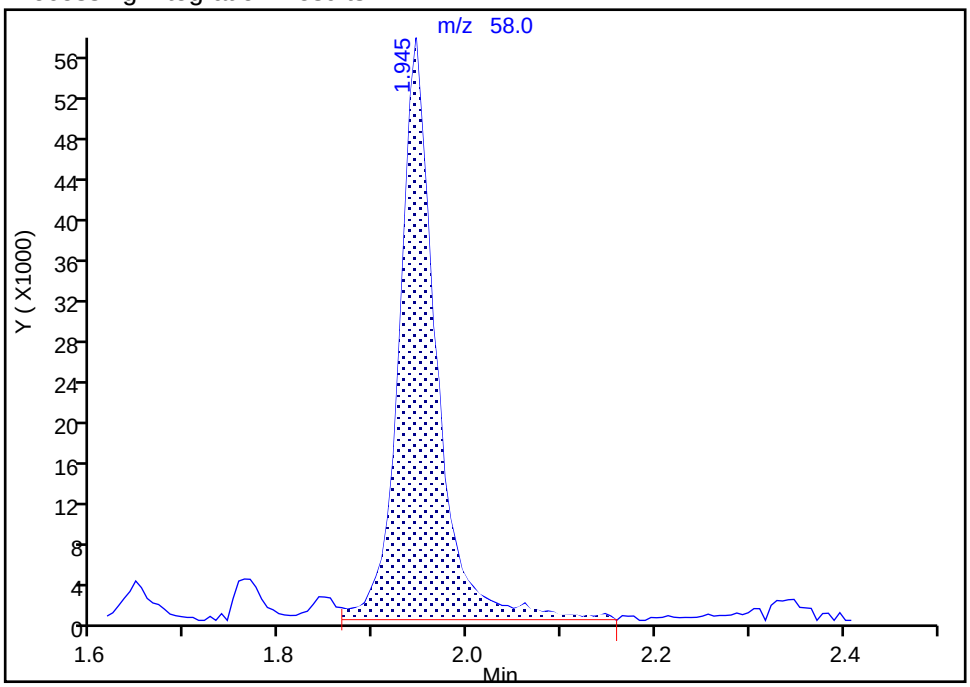
Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X17.D
Injection Date: 18-Mar-2024 16:56:30 Instrument ID: 15648
Lims ID: IC v100
Client ID:
Operator ID: jml01693 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15648 Limit Group: MSV - 8260C_D
Column: DB-624 20m 0.18mm (0.18 mm) Detector MS Quad

18 Acetone, CAS: 67-64-1

Signal: 1

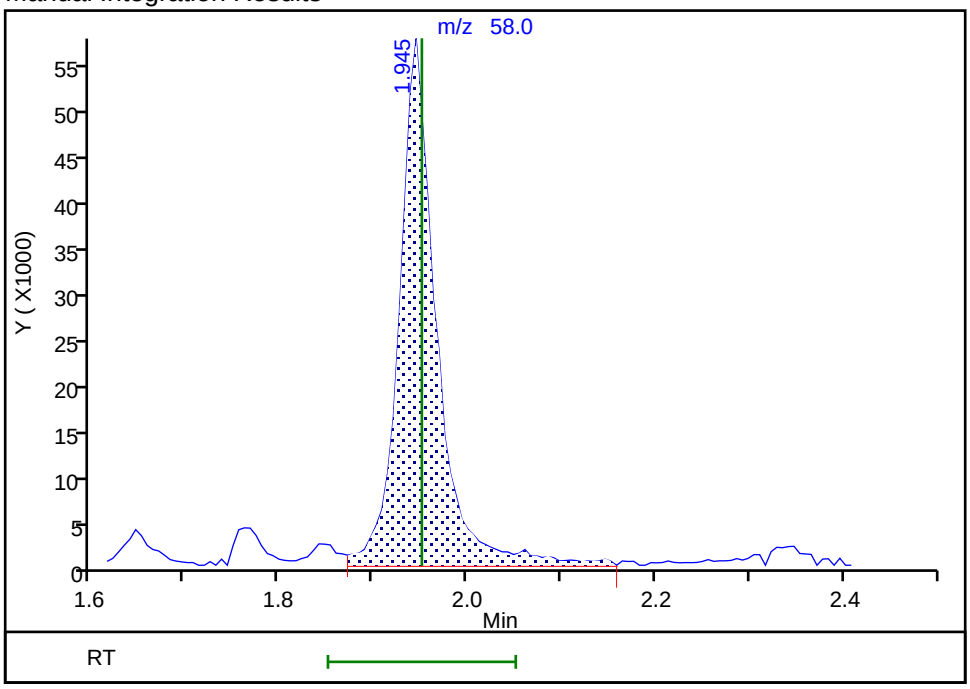
Processing Integration Results

RT: 1.95
Area: 158867
Amount: 201.7247
Amount Units: ug/l



Manual Integration Results

RT: 1.95
Area: 158404
Amount: 201.2213
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 17:59:50 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D
Lims ID: IC v300
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 18-Mar-2024 17:16:30 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0108929-018
Misc. Info.: LG 300
Operator ID: jml01693 Instrument ID: 15648
Sublist: chrom-MSVoa_15648*sub75

Method: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2024 19:29:17 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: K4WN Date: 18-Mar-2024 18:02:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.110	1.116	-0.006	99	3219911	300.0	283.2	M
4 Chloromethane	50	1.220	1.226	-0.006	98	2960580	300.0	277.6	M
5 Butadiene	39	1.269	1.268	0.001	96	3360716	300.0	280.3	
6 Vinyl chloride	62	1.281	1.287	-0.006	98	2864482	300.0	289.3	
8 Bromomethane	94	1.458	1.457	0.001	92	1720909	300.0	280.5	
9 Chloroethane	64	1.482	1.482	0.000	99	1594608	300.0	275.0	
10 Dichlorofluoromethane	67	1.598	1.598	0.000	98	4151591	300.0	266.3	
11 Pentane	43	1.646	1.652	-0.006	95	3697113	300.0	295.7	
12 Trichlorofluoromethane	101	1.665	1.665	0.000	98	3487269	300.0	282.6	
14 Ethyl ether	59	1.762	1.768	-0.006	94	1698216	300.0	288.3	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	1.793	1.799	-0.006	95	2434008	300.0	269.0	
16 Acrolein	56	1.848	1.854	-0.006	98	5706740	2999.7	2998.9	
17 1,1-Dichloroethene	96	1.927	1.933	-0.006	95	1567791	300.0	294.6	
18 Acetone	58	1.939	1.951	-0.012	98	474779	600.0	583.3	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.964	1.963	0.001	94	1845815	300.0	303.2	
20 Isopropyl alcohol	45	2.031	2.037	-0.006	97	822268	1500.0	1412.4	
21 Iodomethane	142	2.037	2.037	0.000	99	2776493	300.0	290.2	
22 Carbon disulfide	76	2.085	2.091	-0.006	100	4647443	300.0	293.3	
25 3-Chloro-1-propene	41	2.171	2.177	-0.006	87	3532929	300.0	289.7	
26 Methyl acetate	43	2.171	2.177	-0.006	98	2020695	300.0	294.6	
27 Methylene Chloride	84	2.262	2.268	-0.006	98	1734092	300.0	282.5	
* 28 t-Butyl alcohol-d10 (IS)	65	2.274	2.268	0.006	33	227328	250.0	250.0	
29 2-Methyl-2-propanol	59	2.341	2.335	0.006	99	1345261	1500.0	1317.4	
30 Acrylonitrile	53	2.439	2.445	-0.006	97	2431297	750.0	695.5	
32 trans-1,2-Dichloroethene	96	2.482	2.488	-0.006	94	1755391	300.0	294.5	
31 Methyl tert-butyl ether	73	2.488	2.494	-0.006	98	6176357	300.0	284.7	
33 Hexane	57	2.719	2.725	-0.006	95	3008767	300.0	289.5	
34 1,1-Dichloroethane	63	2.835	2.841	-0.006	97	3685345	300.0	287.0	
36 Isopropyl ether	45	2.915	2.921	-0.006	92	6749791	300.0	285.3	
37 2-Chloro-1,3-butadiene	53	2.921	2.927	-0.006	95	3671637	300.0	290.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	3.244	3.244	0.000	98	6466006	300.0	285.2	
40 cis-1,2-Dichloroethene	96	3.360	3.366	-0.006	86	1950866	300.0	288.8	
39 2-Butanone (MEK)	43	3.372	3.372	0.000	99	2778945	600.0	546.8	
41 2,2-Dichloropropane	77	3.384	3.378	0.006	92	3375758	300.0	284.0	
42 Propionitrile	54	3.421	3.427	-0.006	95	1982057	1500.0	1455.1	
186 Methyl acrylate	55	3.469	3.475	-0.006	99	2780215	300.0	310.5	
44 Methacrylonitrile	67	3.567	3.567	0.000	95	2625322	750.0	714.0	
45 Chlorobromomethane	128	3.585	3.585	0.000	94	897342	300.0	295.7	
46 Tetrahydrofuran	71	3.622	3.628	-0.006	94	1650470	1500.0	1480.9	
47 Chloroform	83	3.664	3.664	0.000	96	3362631	300.0	279.2	
$ 48 Dibromofluoromethane (Surr)	113	3.811	3.817	-0.006	92	274475	50.0	49.9	
49 1,1,1-Trichloroethane	97	3.847	3.847	0.000	98	3186175	300.0	292.0	
51 Cyclohexane	56	3.908	3.902	0.006	95	3880900	300.0	290.7	
52 1,1-Dichloropropene	75	3.994	4.000	-0.006	91	2887460	300.0	293.8	
53 Carbon tetrachloride	117	4.006	4.006	0.000	97	2811272	300.0	301.2	
54 Isobutyl alcohol	41	4.128	4.128	0.000	93	1281677	3750.0	3695.1	
$ 55 1,2-Dichloroethane-d4 (Surr)	65	4.128	4.134	-0.006	96	422486	50.0	48.9	
56 Benzene	78	4.195	4.195	0.000	98	7866002	300.0	292.2	
57 1,2-Dichloroethane	62	4.207	4.207	0.000	98	3083307	300.0	284.4	
59 Tert-amyl methyl ether	73	4.329	4.323	0.006	97	5995261	300.0	283.8	
* 60 Fluorobenzene (IS)	96	4.469	4.469	0.000	98	1167570	50.0	50.0	
61 n-Heptane	43	4.481	4.487	-0.006	94	2999143	300.0	280.5	
62 n-Butanol	56	4.792	4.792	0.000	93	938840	3750.0	3613.9	
63 Trichloroethene	95	4.835	4.835	0.000	97	2016982	300.0	291.6	
195 Ethyl acrylate	55	4.969	4.969	0.000	99	3430902	300.0	306.0	
64 Methylcyclohexane	83	5.042	5.036	0.006	94	3599091	300.0	301.8	
65 1,2-Dichloropropane	63	5.054	5.054	0.000	90	2146329	300.0	294.8	
66 2-ethoxy-2-methyl butane	87	5.128	5.127	0.001	91	3222564	300.0	291.5	
67 Dibromomethane	93	5.170	5.170	0.000	96	1238865	300.0	287.3	
68 1,4-Dioxane	88	5.201	5.194	0.007	82	209533	3750.0	3805.9	M
69 Methyl methacrylate	69	5.213	5.207	0.006	92	1811871	300.0	291.2	
71 Dichlorobromomethane	83	5.347	5.347	0.000	98	2613700	300.0	295.8	
72 2-Nitropropane	41	5.585	5.579	0.006	99	5192535	1500.0	1516.5	
73 2-Chloroethyl vinyl ether	63	5.682	5.682	0.000	94	1558015	300.0	300.6	
74 cis-1,3-Dichloropropene	75	5.823	5.822	0.000	90	3463385	300.0	300.4	
75 4-Methyl-2-pentanone (MIBK)	43	6.005	5.999	0.006	99	5931382	600.0	567.1	
$ 77 Toluene-d8 (Surr)	98	6.109	6.103	0.006	95	1210489	50.0	49.8	
S 76 1,2-Dichloroethene, Total	100				0			583.3	
78 Toluene	92	6.176	6.176	0.000	97	5085324	300.0	294.4	
79 trans-1,3-Dichloropropene	75	6.426	6.426	0.000	99	3277735	300.0	300.9	
81 Ethyl methacrylate	69	6.566	6.560	0.006	91	3234769	300.0	289.8	
82 1,1,2-Trichloroethane	97	6.615	6.615	0.000	94	1690702	300.0	287.4	
83 Tetrachloroethene	166	6.767	6.767	0.000	95	2100228	300.0	297.6	
84 1,3-Dichloropropane	76	6.798	6.792	0.006	97	3132908	300.0	288.0	
86 2-Hexanone	43	6.920	6.914	0.006	98	4318552	600.0	558.0	
87 Chlorodibromomethane	129	7.036	7.036	0.000	90	1980985	300.0	303.2	
89 Ethylene Dibromide	107	7.145	7.145	0.000	99	1813665	300.0	292.4	
* 90 Chlorobenzene-d5 (IS)	117	7.645	7.639	0.006	88	867843	50.0	50.0	
91 Chlorobenzene	112	7.670	7.670	0.000	91	5408377	300.0	298.4	
92 1-Chlorohexane	91	7.682	7.682	0.000	93	2808120	300.0	298.9	
94 1,1,1,2-Tetrachloroethane	131	7.761	7.761	0.000	94	1916700	300.0	304.1	
95 Ethylbenzene	91	7.798	7.792	0.006	99	9967675	300.0	293.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
96 m-Xylene & p-Xylene	106	7.907	7.907	0.000	96	7816823	600.0	612.0	e
97 o-Xylene	106	8.267	8.261	0.006	98	3873174	300.0	308.7	
274 n-Butyl acrylate	55	8.267	8.267	0.000	96	5187219	300.1	305.5	
98 Styrene	104	8.279	8.273	0.006	93	6476087	300.0	312.3	
99 Bromoform	173	8.413	8.413	0.000	95	1490264	300.0	308.1	
100 Isopropylbenzene	105	8.590	8.584	0.006	97	9331574	300.0	300.4	
101 Cyclohexanone	55	8.639	8.639	0.000	93	1113234	3749.9	3409.2	
$ 103 4-Bromofluorobenzene (Surr)	95	8.700	8.700	0.000	86	462824	50.0	50.1	
104 Bromobenzene	156	8.810	8.810	0.000	99	2247597	300.0	286.1	
105 1,1,2,2-Tetrachloroethane	83	8.834	8.828	0.006	96	2763092	300.0	276.1	
106 1,2,3-Trichloropropane	110	8.859	8.852	0.006	88	831754	300.0	274.7	
107 trans-1,4-Dichloro-2-butene	53	8.883	8.877	0.006	95	2912327	750.0	707.5	
108 N-Propylbenzene	91	8.926	8.925	0.001	97	10881999	300.0	273.6	e
109 2-Chlorotoluene	126	8.980	8.974	0.006	95	2213808	300.0	286.4	a
111 4-Chlorotoluene	126	9.066	9.066	0.000	99	2362247	300.0	295.7	
110 1,3,5-Trimethylbenzene	105	9.066	9.066	0.000	94	8483815	300.0	299.7	
113 tert-Butylbenzene	134	9.316	9.316	0.000	94	1700630	300.0	299.2	
115 1,2,4-Trimethylbenzene	105	9.352	9.346	0.006	98	8425470	300.0	294.7	
116 sec-Butylbenzene	105	9.480	9.480	0.000	96	9951344	300.0	291.5	e
117 1,3-Dichlorobenzene	146	9.547	9.547	0.000	97	4296052	300.0	292.7	
118 4-Isopropyltoluene	119	9.590	9.590	0.000	97	8945305	300.0	299.7	
* 119 1,4-Dichlorobenzene-d4	152	9.596	9.596	0.000	92	510659	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.614	9.608	0.006	96	4360782	300.0	291.8	
121 1,2,3-Trimethylbenzene	105	9.657	9.657	0.000	99	8359468	300.0	288.2	
122 Benzyl chloride	91	9.712	9.712	0.000	99	6282403	300.0	288.9	
123 1,3-Diethylbenzene	119	9.810	9.809	0.001	95	5092155	300.0	299.4	
124 p-Diethylbenzene	119	9.871	9.864	0.006	94	5396583	300.0	305.9	
125 1,2-Dichlorobenzene	146	9.877	9.877	0.001	95	4258886	300.0	300.2	
126 n-Butylbenzene	92	9.883	9.883	0.000	98	4453237	300.0	306.2	
162 o-diethylbenzene	119	9.950	9.944	0.006	97	4244509	300.0	297.6	
S 163 1,3-Dichloropropene, Total	100				0			601.3	
164 1,2-Dibromo-3-Chloropropane	75	10.413	10.413	0.000	79	732825	300.0	277.8	
165 1,3,5-Trichlorobenzene	180	10.565	10.565	0.000	96	2866099	300.0	290.9	
166 1,2,4-Trichlorobenzene	180	10.974	10.974	0.000	94	2661062	300.0	292.5	
167 Hexachlorobutadiene	225	11.090	11.090	0.000	95	1124039	300.0	281.9	
271 2-Ethylhexyl acrylate	55	11.114	11.114	0.000	84	3136888	299.9	308.1	
168 Naphthalene	128	11.132	11.126	0.006	98	8774225	300.0	283.3	
S 169 Xylenes, Total	106				0			920.7	
170 1,2,3-Trichlorobenzene	180	11.285	11.285	0.000	95	2475387	300.0	288.7	
171 2-Methylnaphthalene	142	11.852	11.846	0.006	92	4311586	300.0	298.3	
S 194 Total Diethylbenzene	1				0			902.8	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00175	Amount Added:	15.00	Units: uL	
MSV_CCV_CYC_00008	Amount Added:	30.00	Units: uL	
MSV_CCV_VOC#3_00171	Amount Added:	12.00	Units: uL	
MSV_CCV_2CEVE_00167	Amount Added:	15.00	Units: uL	
MSV_CCV_GASES_00723	Amount Added:	7.50	Units: uL	
MSV_CCV_EE_00006	Amount Added:	15.00	Units: uL	
MSV_CCV_OH_Sp_00009	Amount Added:	15.00	Units: uL	
MSV_Cent_ISSS_00023	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 18-Mar-2024 19:29:18 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Injection Date: 18-Mar-2024 17:16:30 Instrument ID: 15648 Operator ID: jml01693

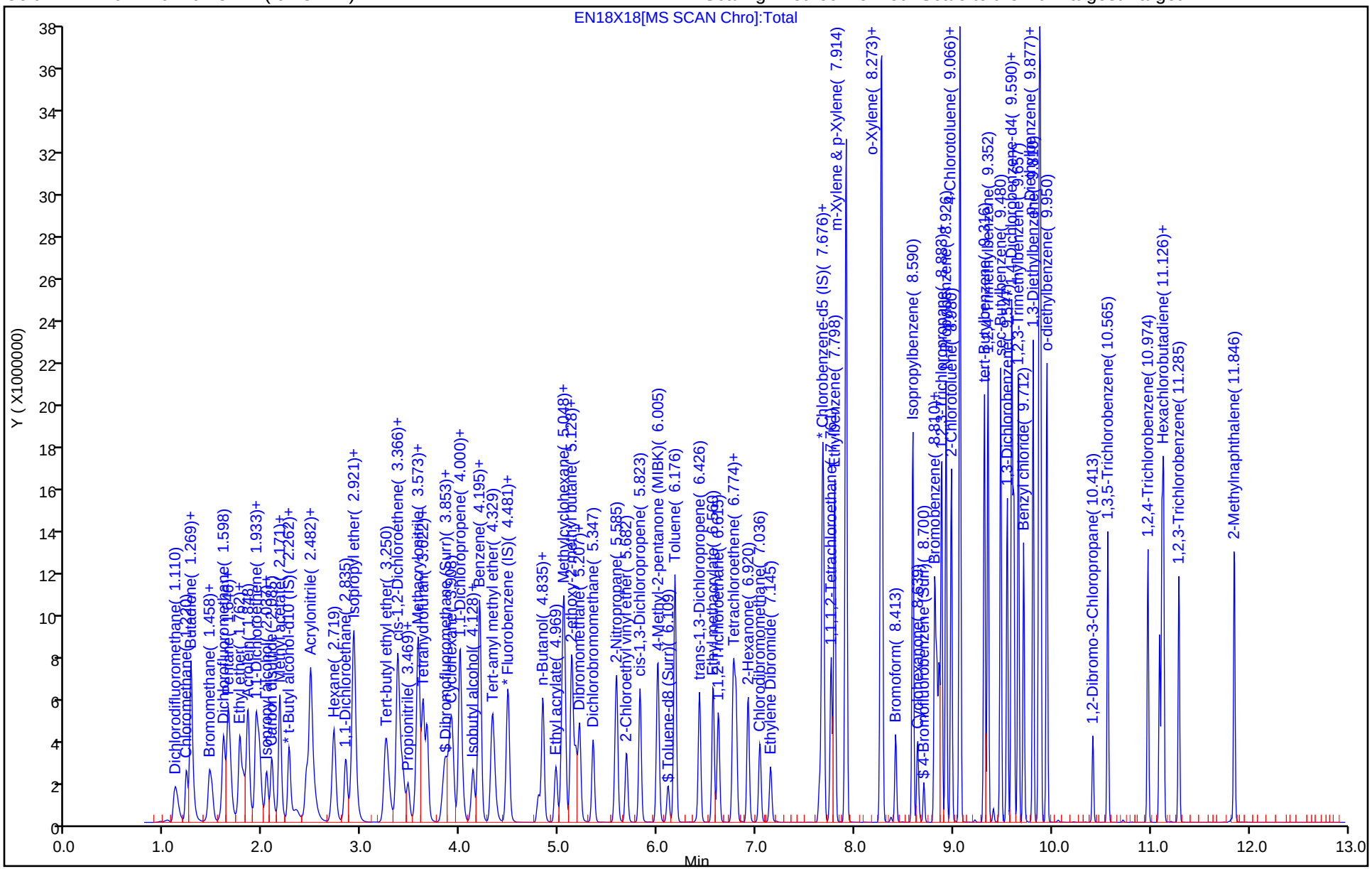
Lims ID: IC v300 Worklist Smp#: 18

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 18

Method: MSVoa_15648 Limit Group: MSV - 8260C_D

Column: DB-624 20m 0.18mm (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

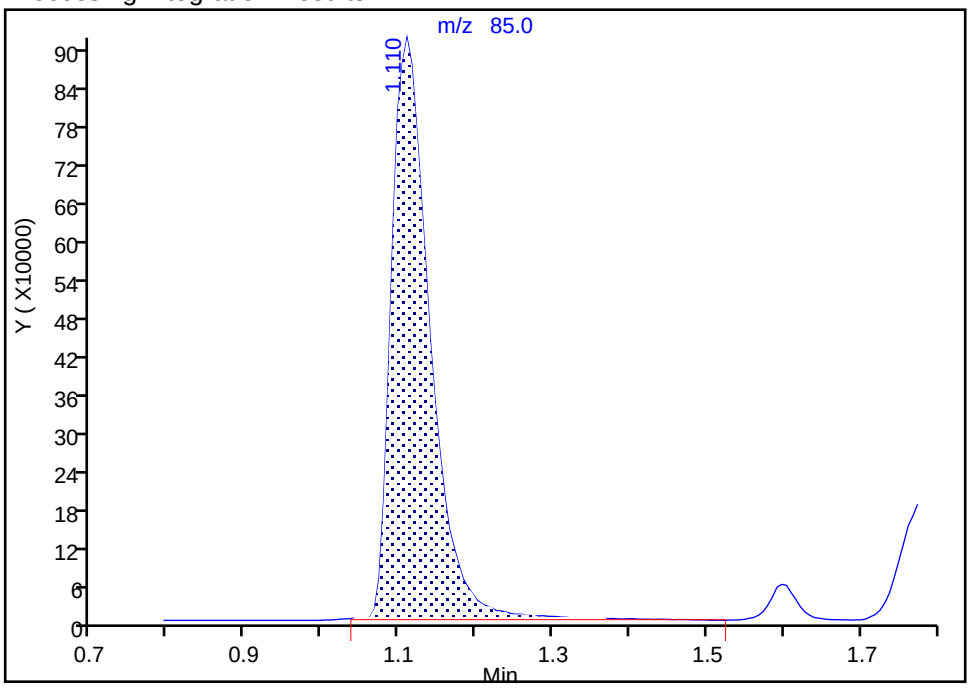
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D				
Injection Date:	18-Mar-2024 17:16:30	Instrument ID:	15648		
Lims ID:	IC v300				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

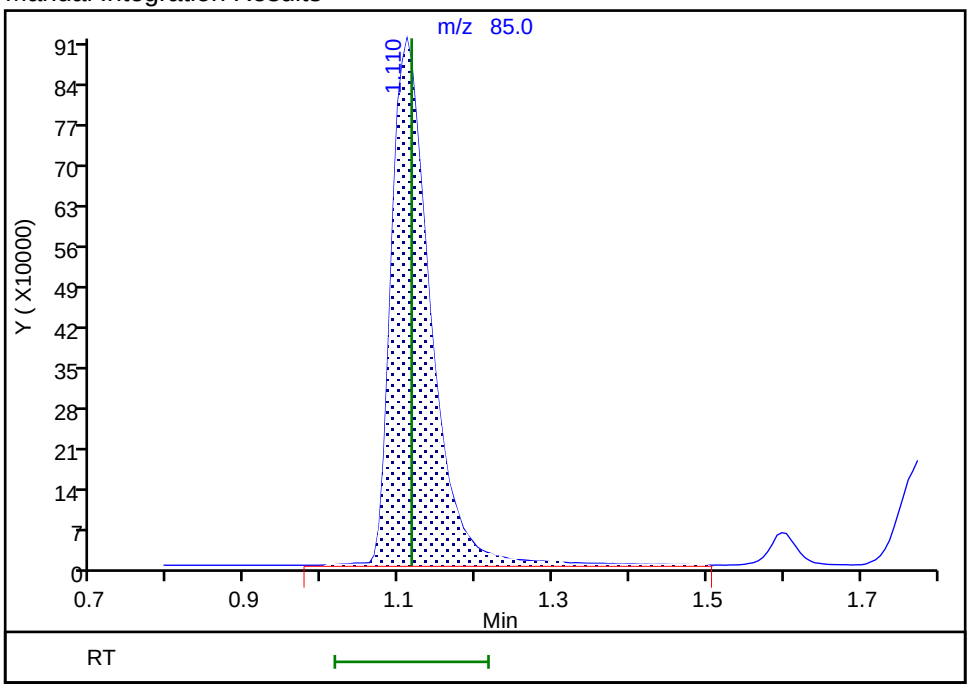
Processing Integration Results

RT: 1.11
Area: 3217459
Amount: 283.0403
Amount Units: ug/l



Manual Integration Results

RT: 1.11
Area: 3219911
Amount: 283.2269
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 18:00:48 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

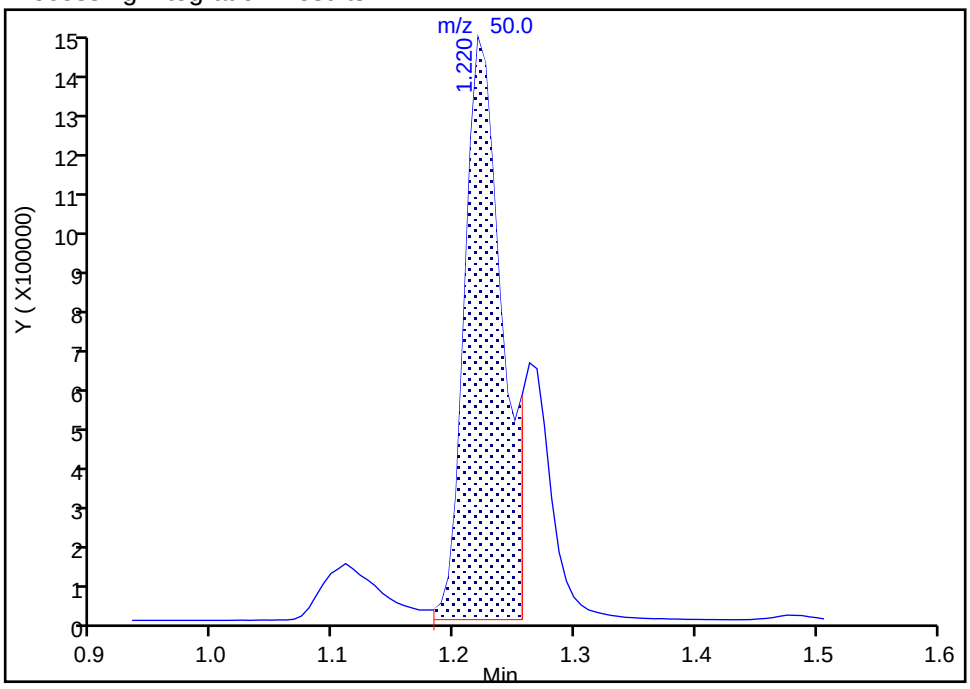
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D				
Injection Date:	18-Mar-2024 17:16:30	Instrument ID:	15648		
Lims ID:	IC v300				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

4 Chloromethane, CAS: 74-87-3

Signal: 1

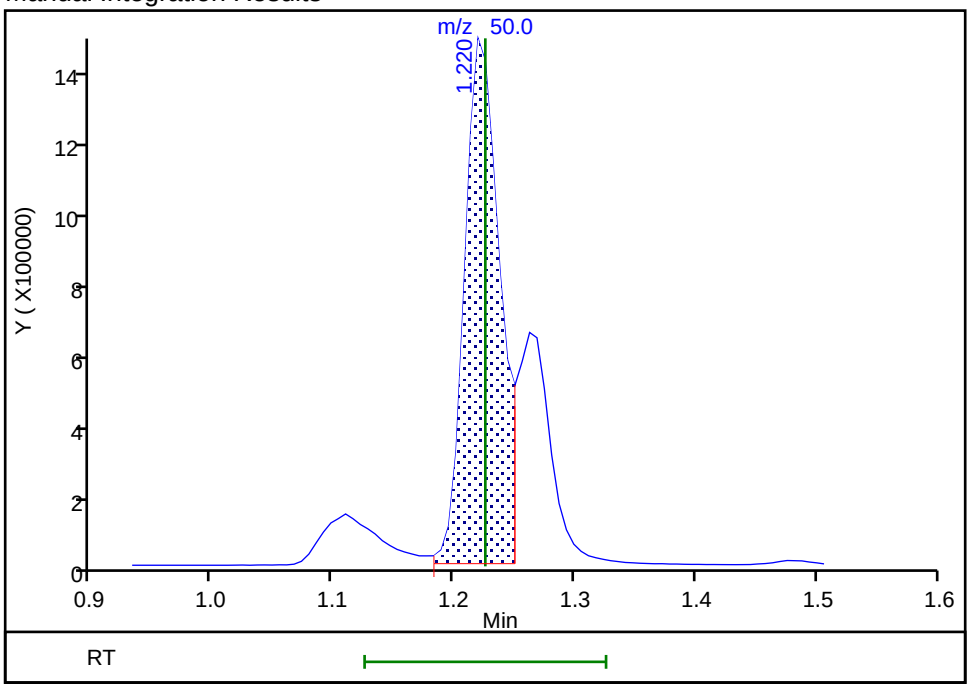
Processing Integration Results

RT: 1.22
Area: 3162135
Amount: 293.9040
Amount Units: ug/l



Manual Integration Results

RT: 1.22
Area: 2960580
Amount: 277.6473
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 18:00:54 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

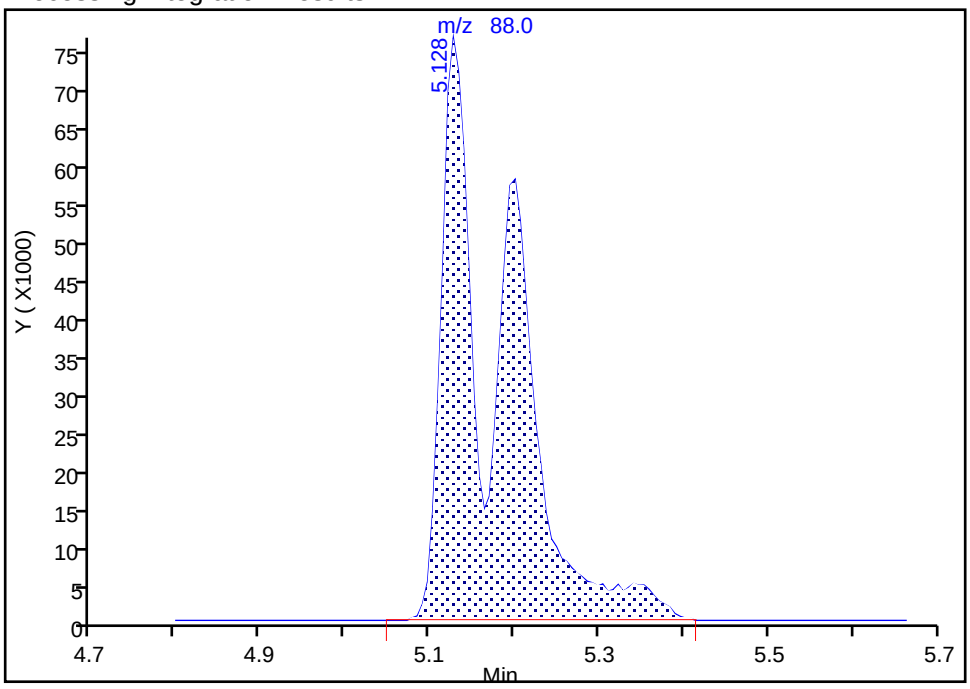
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D				
Injection Date:	18-Mar-2024 17:16:30	Instrument ID:	15648		
Lims ID:	IC v300				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

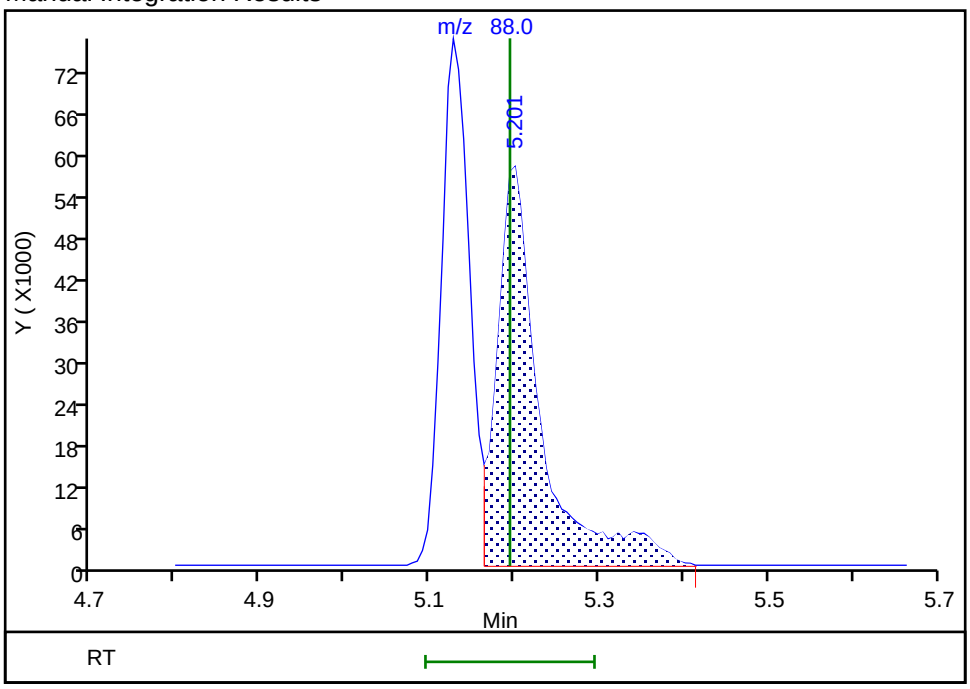
Processing Integration Results

RT: 5.13
Area: 383930
Amount: 6790.5188
Amount Units: ug/l



Manual Integration Results

RT: 5.20
Area: 209533
Amount: 3805.9340
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 18:01:20 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

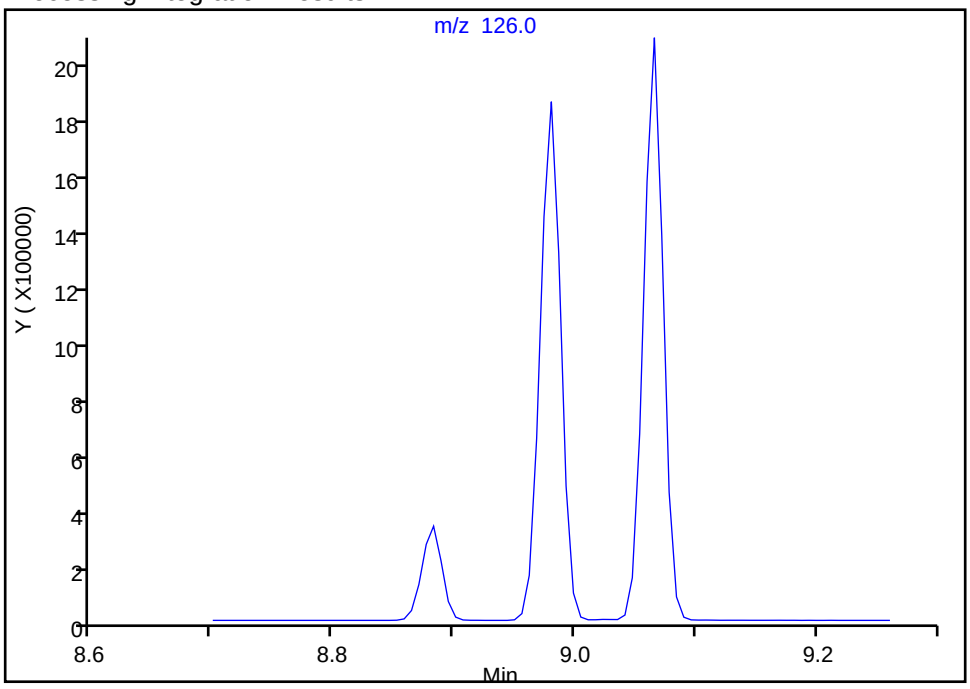
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D				
Injection Date:	18-Mar-2024 17:16:30	Instrument ID:	15648		
Lims ID:	IC v300				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

109 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

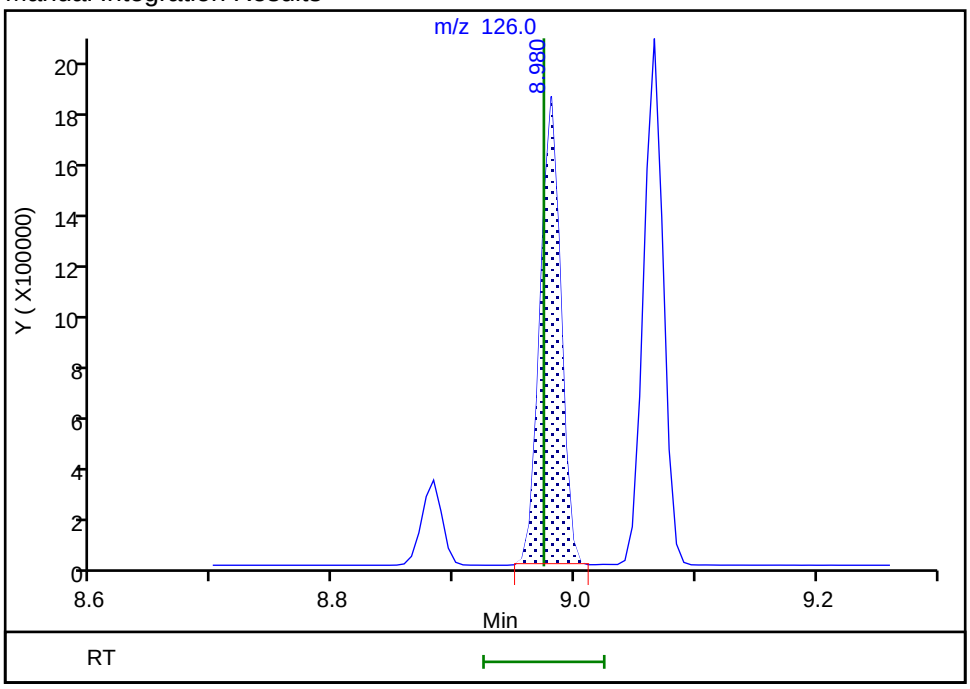
Not Detected
Expected RT: 8.97

Processing Integration Results



Manual Integration Results

RT: 8.98
Area: 2213808
Amount: 286.3568
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 18:01:30 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

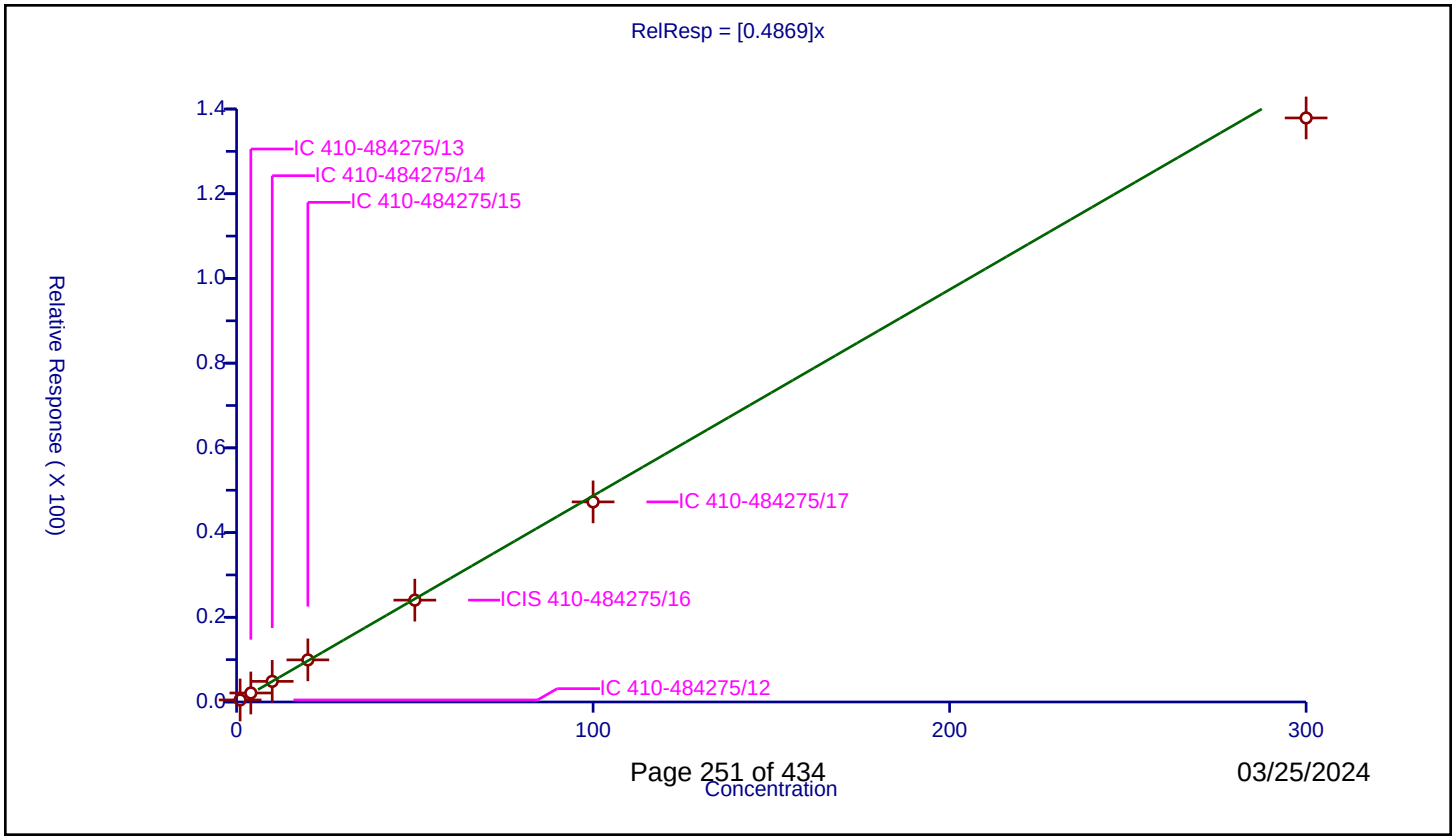
Curve Coefficients

Intercept:	0
Slope:	0.4869

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.479969	50.0	1045068.0	0.479969	Y
2	IC 410-484275/13	4.0	2.122922	50.0	1084543.0	0.53073	Y
3	IC 410-484275/14	10.0	4.87261	50.0	1095963.0	0.487261	Y
4	IC 410-484275/15	20.0	9.9416	50.0	1044012.0	0.49708	Y
5	ICIS 410-484275/16	50.0	24.044634	50.0	1080528.0	0.480893	Y
6	IC 410-484275/17	100.0	47.239514	50.0	1053021.0	0.472395	Y
7	IC 410-484275/18	300.0	137.88942	50.0	1167570.0	0.459631	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

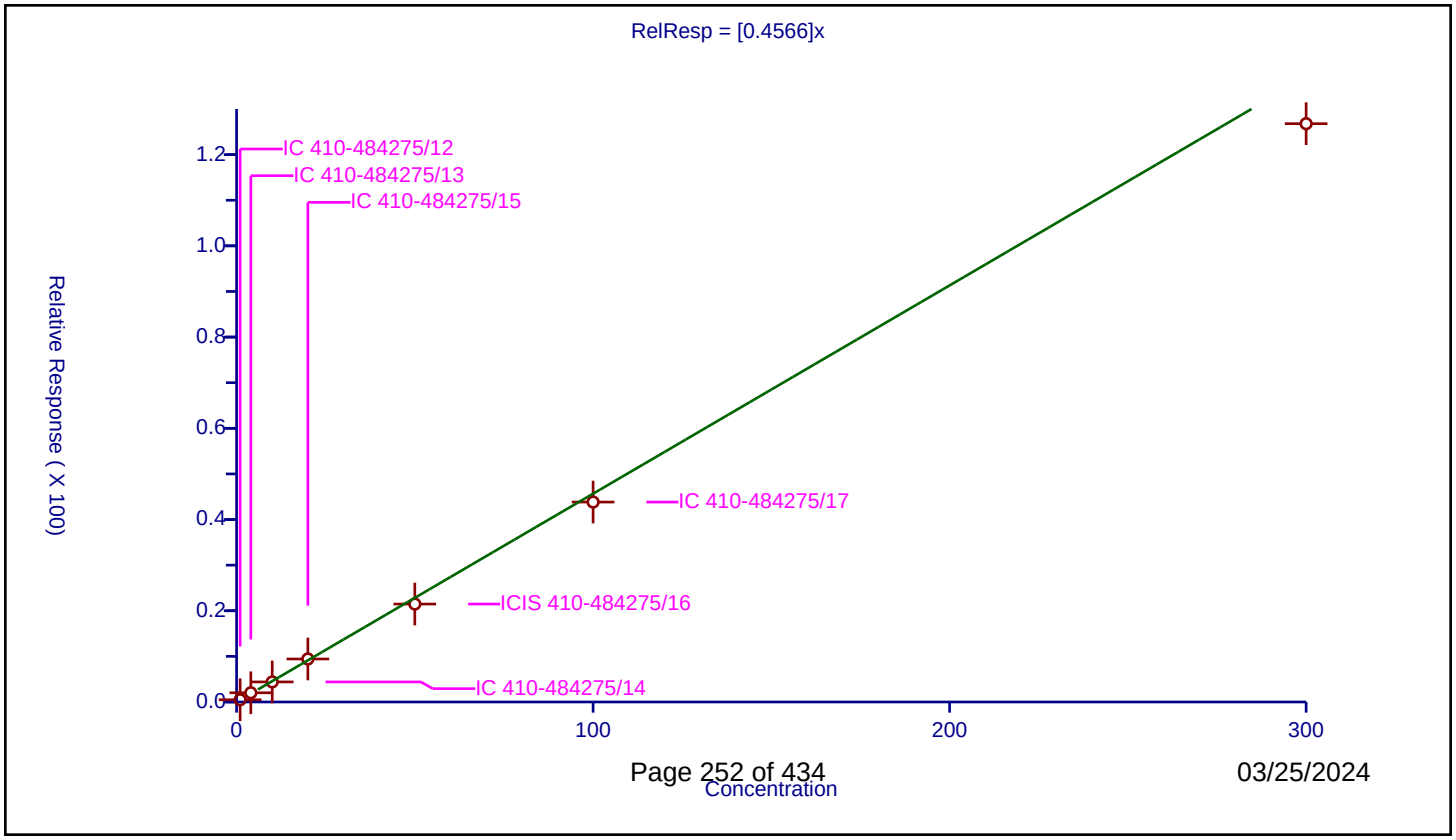
Curve Coefficients

Intercept:	0
Slope:	0.4566

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.489777	50.0	1045068.0	0.489777	Y
2	IC 410-484275/13	4.0	2.019745	50.0	1084543.0	0.504936	Y
3	IC 410-484275/14	10.0	4.399555	50.0	1095963.0	0.439956	Y
4	IC 410-484275/15	20.0	9.42925	50.0	1044012.0	0.471462	Y
5	ICIS 410-484275/16	50.0	21.470198	50.0	1080528.0	0.429404	Y
6	IC 410-484275/17	100.0	43.830655	50.0	1053021.0	0.438307	Y
7	IC 410-484275/18	300.0	126.783833	50.0	1167570.0	0.422613	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

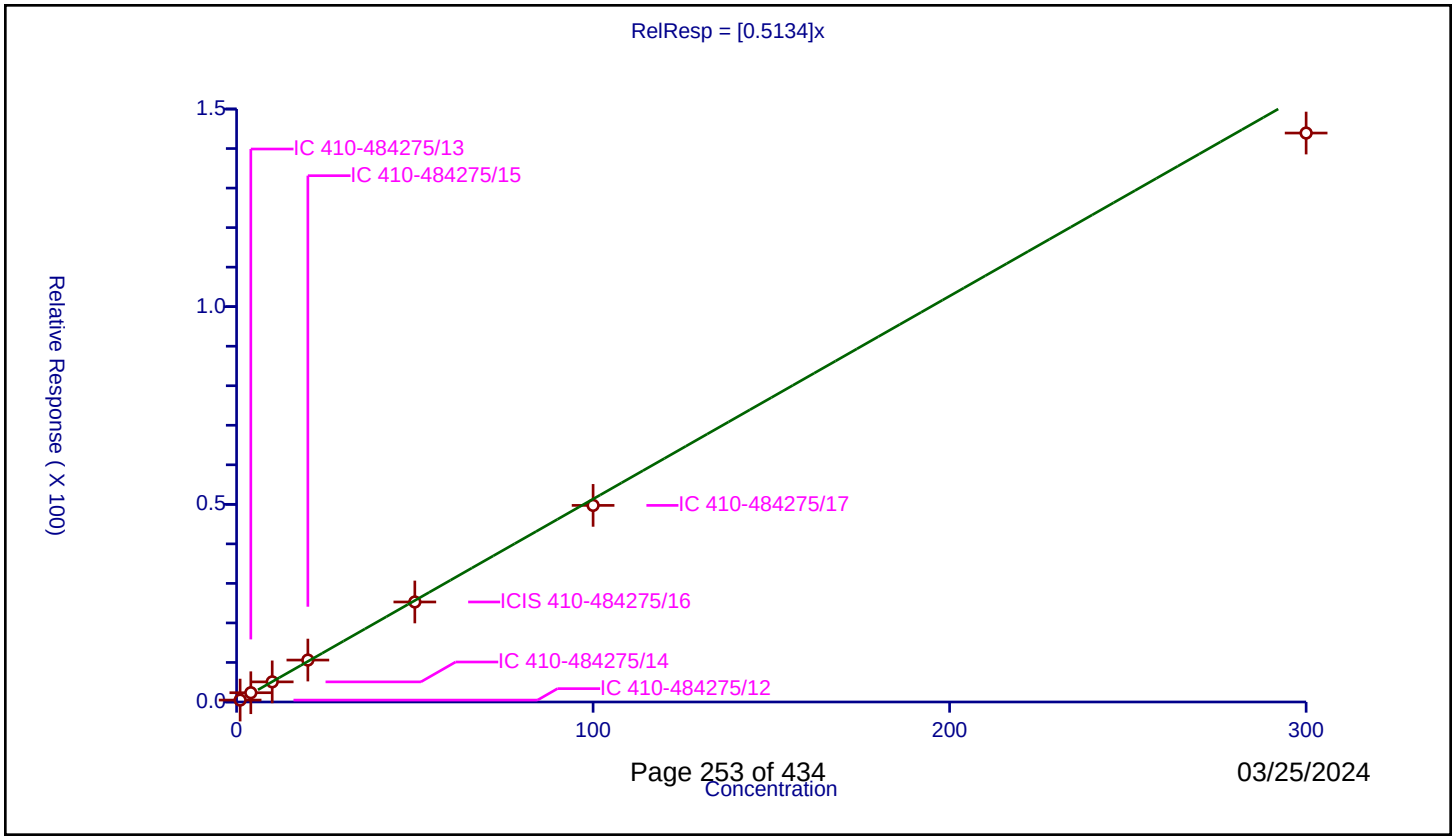
Curve Coefficients

Intercept:	0
Slope:	0.5134

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.485471	50.0	1045068.0	0.485471	Y
2	IC 410-484275/13	4.0	2.341954	50.0	1084543.0	0.585489	Y
3	IC 410-484275/14	10.0	5.092051	50.0	1095963.0	0.509205	Y
4	IC 410-484275/15	20.0	10.610558	50.0	1044012.0	0.530528	Y
5	ICIS 410-484275/16	50.0	25.296984	50.0	1080528.0	0.50594	Y
6	IC 410-484275/17	100.0	49.734716	50.0	1053021.0	0.497347	Y
7	IC 410-484275/18	300.0	143.919251	50.0	1167570.0	0.479731	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

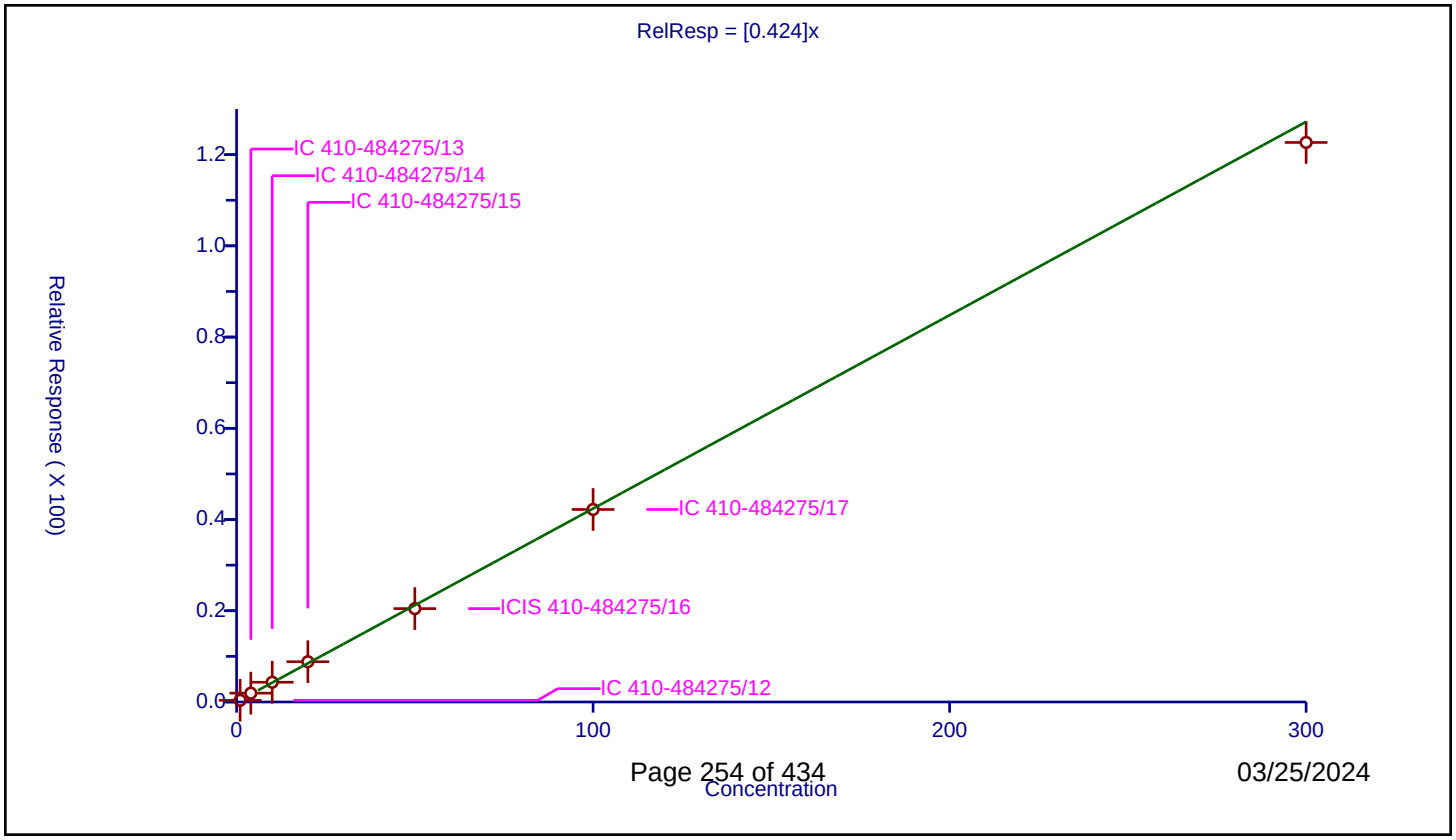
Curve Coefficients

Intercept:	0
Slope:	0.424

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.368684	50.0	1045068.0	0.368684	Y
2	IC 410-484275/13	4.0	1.938144	50.0	1084543.0	0.484536	Y
3	IC 410-484275/14	10.0	4.330894	50.0	1095963.0	0.433089	Y
4	IC 410-484275/15	20.0	8.827054	50.0	1044012.0	0.441353	Y
5	ICIS 410-484275/16	50.0	20.470964	50.0	1080528.0	0.409419	Y
6	IC 410-484275/17	100.0	42.207088	50.0	1053021.0	0.422071	Y
7	IC 410-484275/18	300.0	122.668534	50.0	1167570.0	0.408895	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

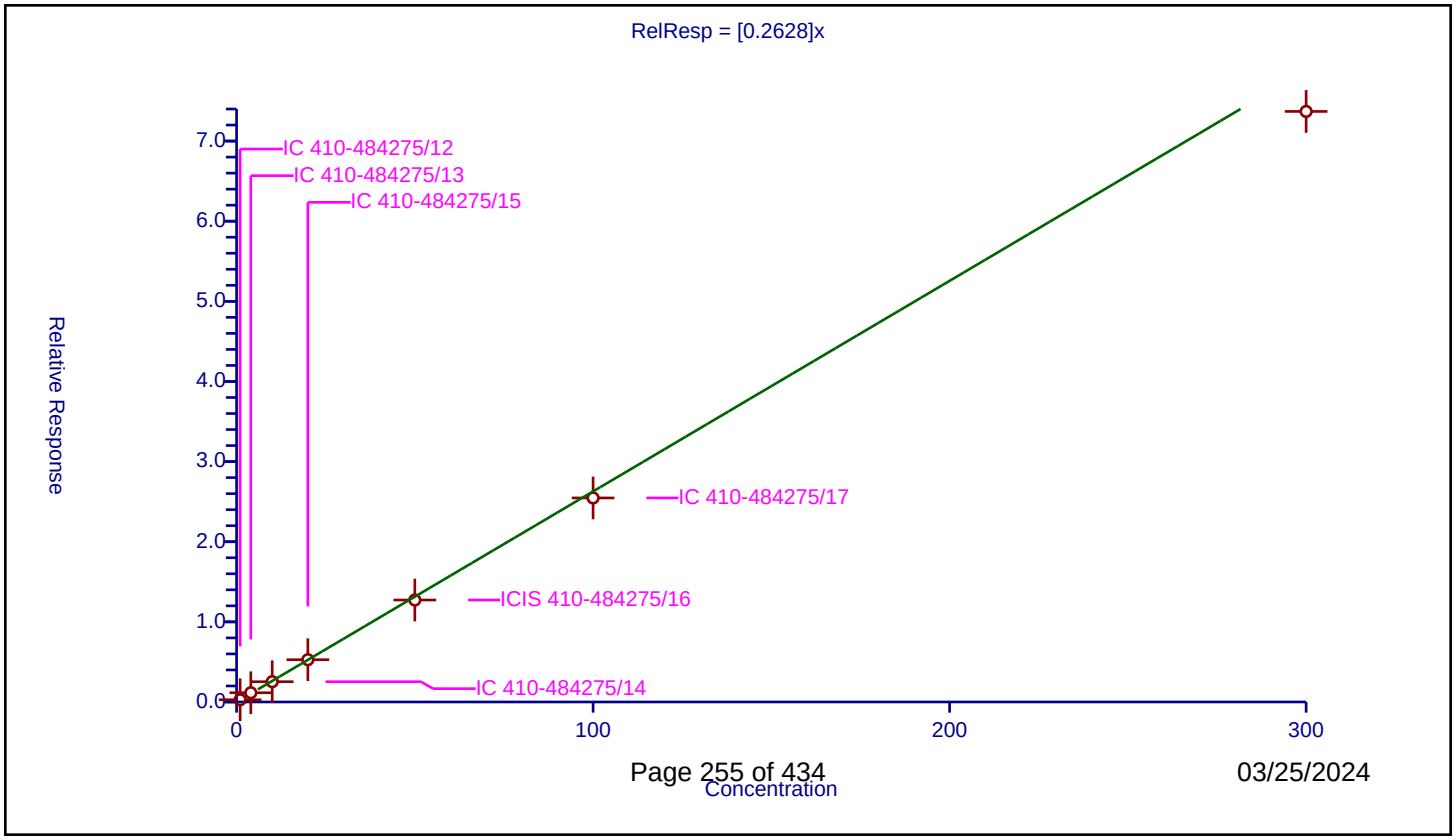
Curve Coefficients

Intercept:	0
Slope:	0.2628

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.279264	50.0	1045068.0	0.279264	Y
2	IC 410-484275/13	4.0	1.15362	50.0	1084543.0	0.288405	Y
3	IC 410-484275/14	10.0	2.53097	50.0	1095963.0	0.253097	Y
4	IC 410-484275/15	20.0	5.277382	50.0	1044012.0	0.263869	Y
5	ICIS 410-484275/16	50.0	12.72452	50.0	1080528.0	0.25449	Y
6	IC 410-484275/17	100.0	25.46369	50.0	1053021.0	0.254637	Y
7	IC 410-484275/18	300.0	73.696181	50.0	1167570.0	0.245654	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

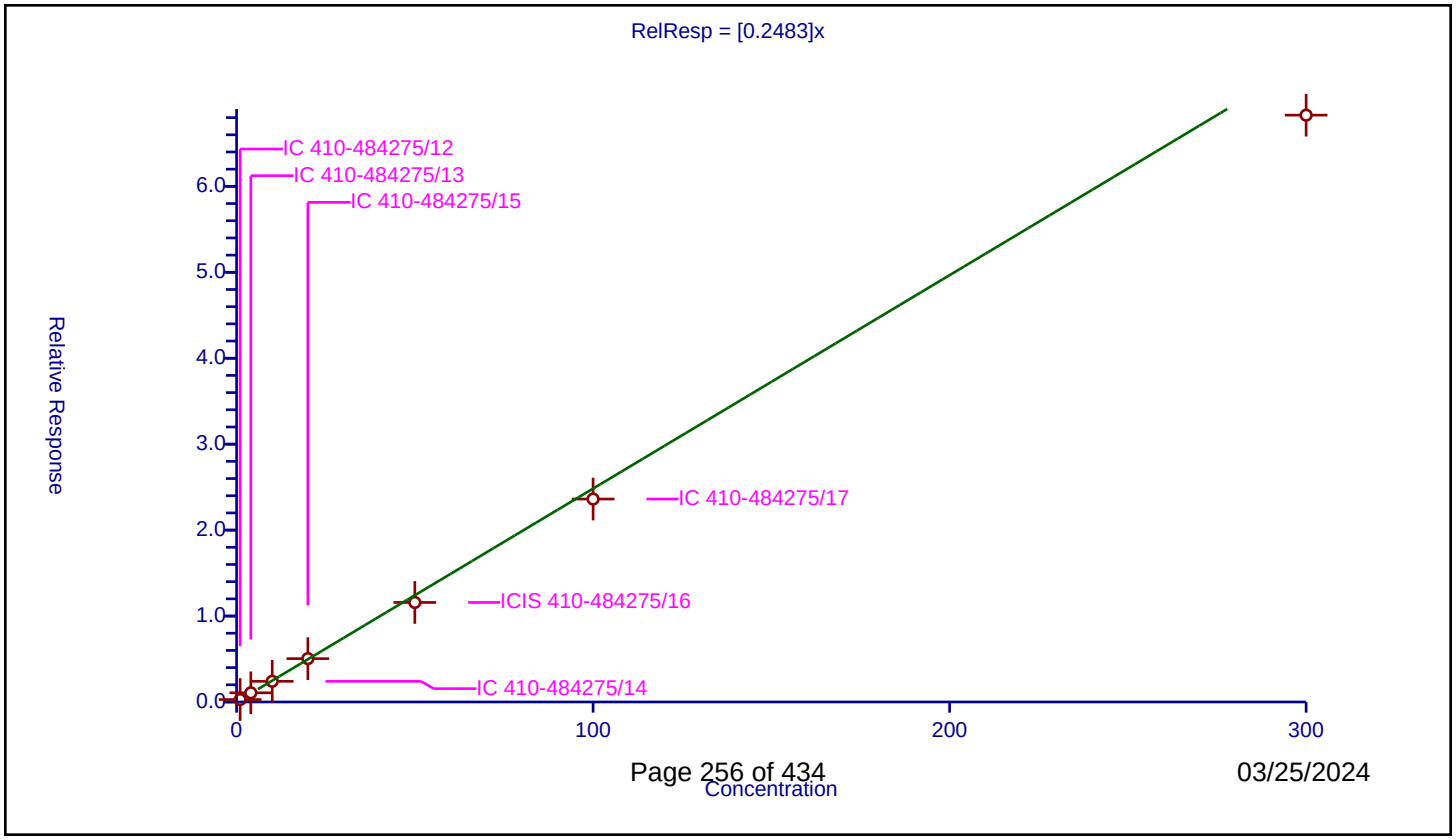
Curve Coefficients

Intercept:	0
Slope:	0.2483

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.282613	50.0	1045068.0	0.282613	Y
2	IC 410-484275/13	4.0	1.069437	50.0	1084543.0	0.267359	Y
3	IC 410-484275/14	10.0	2.407198	50.0	1095963.0	0.24072	Y
4	IC 410-484275/15	20.0	5.044195	50.0	1044012.0	0.25221	Y
5	ICIS 410-484275/16	50.0	11.580866	50.0	1080528.0	0.231617	Y
6	IC 410-484275/17	100.0	23.614059	50.0	1053021.0	0.236141	Y
7	IC 410-484275/18	300.0	68.287469	50.0	1167570.0	0.227625	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

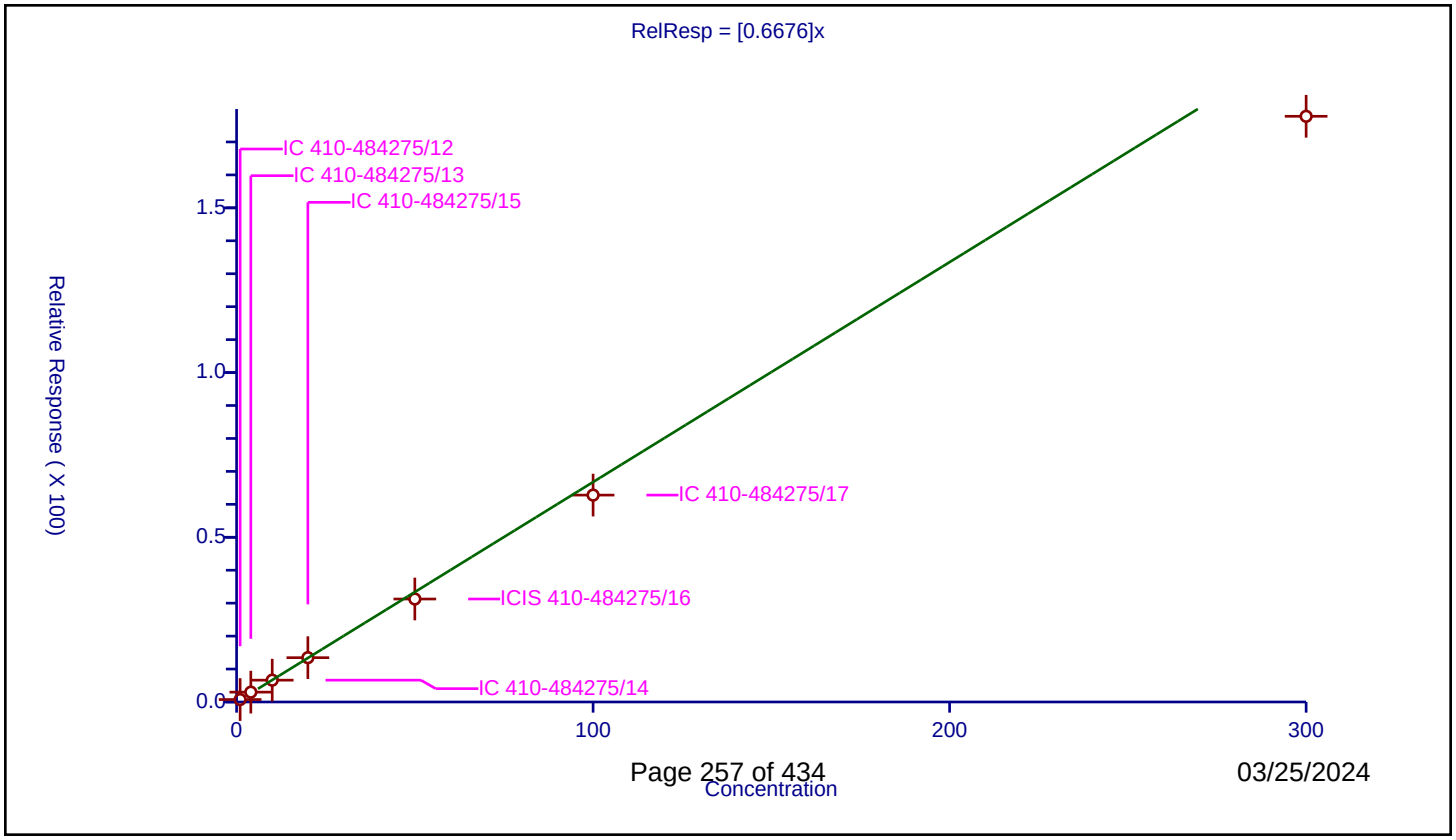
Curve Coefficients

Intercept:	0
Slope:	0.6676

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.744641	50.0	1045068.0	0.744641	Y
2	IC 410-484275/13	4.0	2.991537	50.0	1084543.0	0.747884	Y
3	IC 410-484275/14	10.0	6.623171	50.0	1095963.0	0.662317	Y
4	IC 410-484275/15	20.0	13.451426	50.0	1044012.0	0.672571	Y
5	ICIS 410-484275/16	50.0	31.260273	50.0	1080528.0	0.625205	Y
6	IC 410-484275/17	100.0	62.801786	50.0	1053021.0	0.628018	Y
7	IC 410-484275/18	300.0	177.78767	50.0	1167570.0	0.592626	Y



Calibration / Pentane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

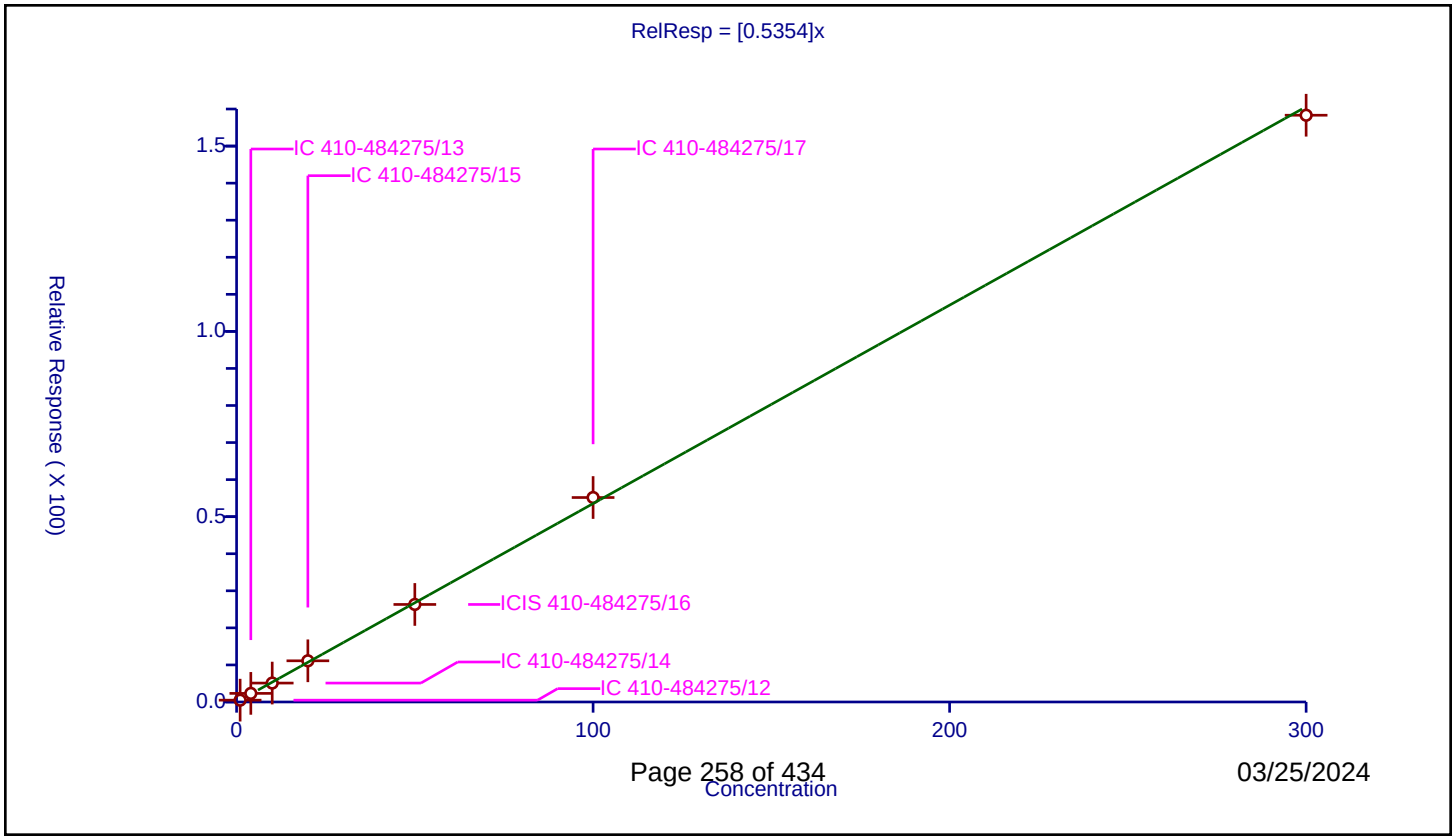
Curve Coefficients

Intercept:	0
Slope:	0.5354

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.496092	50.0	1045068.0	0.496092	Y
2	IC 410-484275/13	4.0	2.319825	50.0	1084543.0	0.579956	Y
3	IC 410-484275/14	10.0	5.102271	50.0	1095963.0	0.510227	Y
4	IC 410-484275/15	20.0	11.111319	50.0	1044012.0	0.555566	Y
5	ICIS 410-484275/16	50.0	26.313848	50.0	1080528.0	0.526277	Y
6	IC 410-484275/17	100.0	55.173449	50.0	1053021.0	0.551734	Y
7	IC 410-484275/18	300.0	158.325111	50.0	1167570.0	0.52775	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

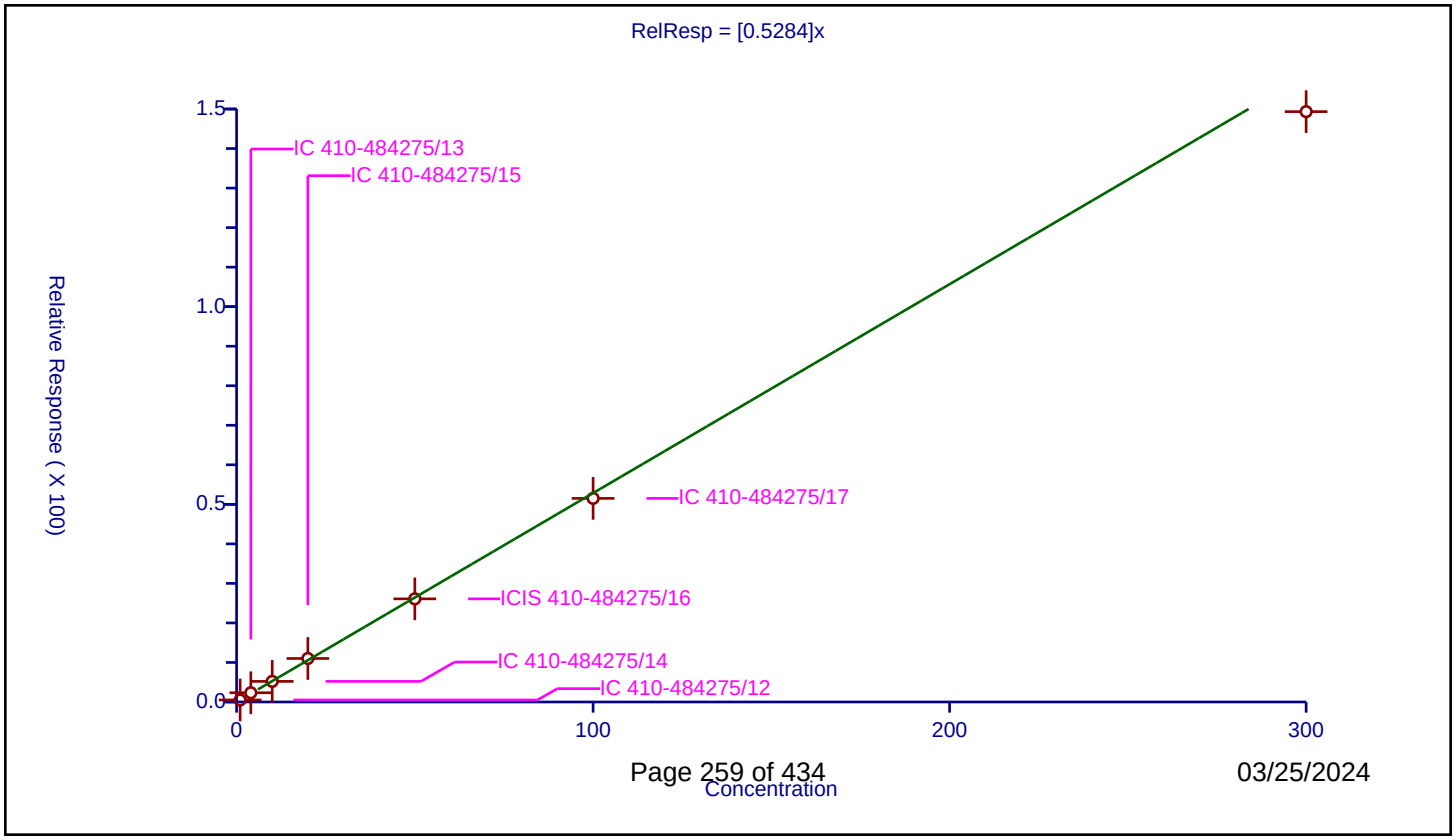
Curve Coefficients

Intercept:	0
Slope:	0.5284

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.507479	50.0	1045068.0	0.507479	Y
2	IC 410-484275/13	4.0	2.339787	50.0	1084543.0	0.584947	Y
3	IC 410-484275/14	10.0	5.213588	50.0	1095963.0	0.521359	Y
4	IC 410-484275/15	20.0	11.007967	50.0	1044012.0	0.550398	Y
5	ICIS 410-484275/16	50.0	26.092151	50.0	1080528.0	0.521843	Y
6	IC 410-484275/17	100.0	51.507567	50.0	1053021.0	0.515076	Y
7	IC 410-484275/18	300.0	149.338755	50.0	1167570.0	0.497796	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

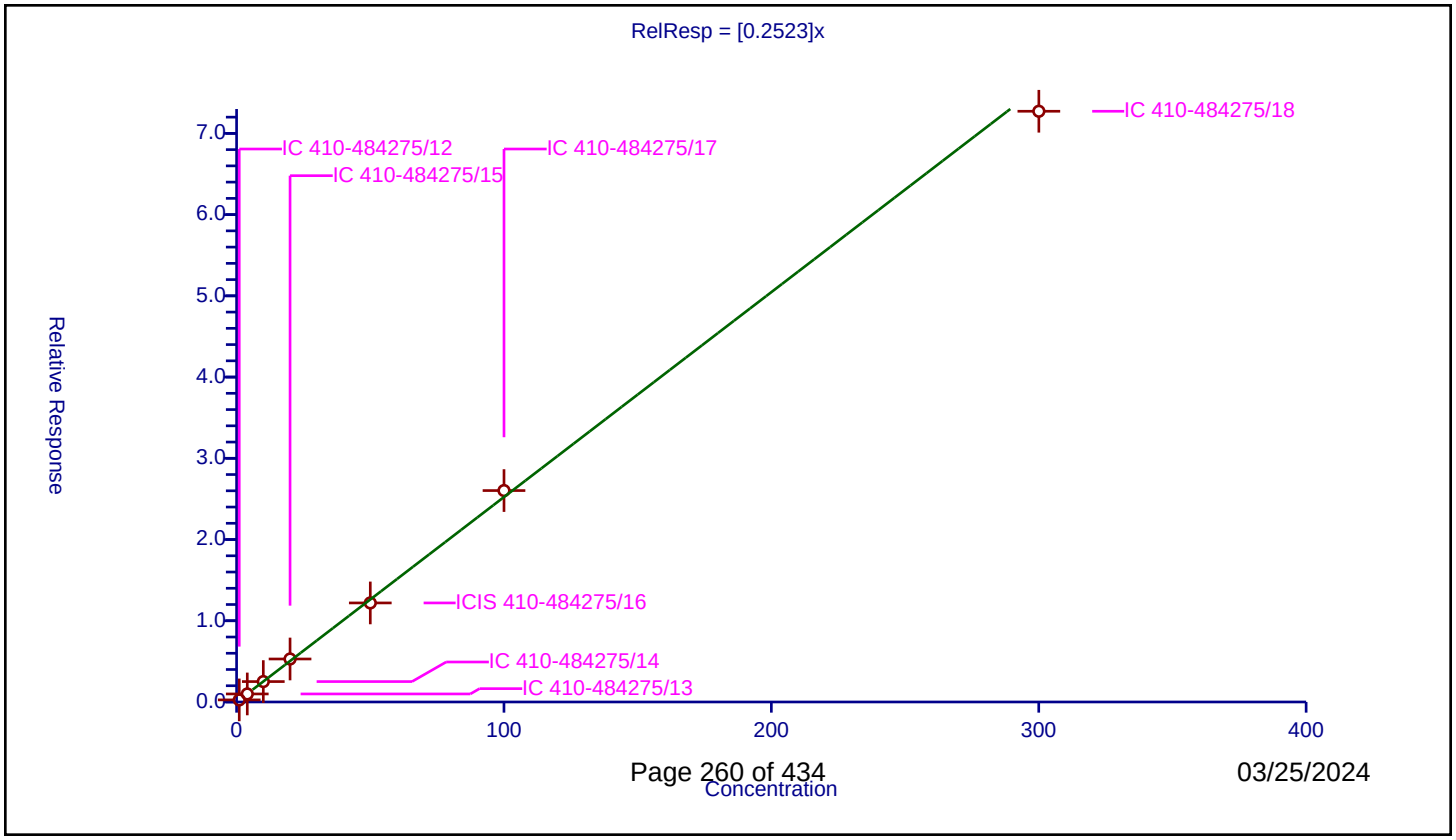
Curve Coefficients

Intercept:	0
Slope:	0.2523

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.000139	0.25606	50.0	1045068.0	0.256024	Y
2	IC 410-484275/13	4.000554	0.990602	50.0	1084543.0	0.247616	Y
3	IC 410-484275/14	10.001386	2.511718	50.0	1095963.0	0.251137	Y
4	IC 410-484275/15	20.002772	5.293522	50.0	1044012.0	0.264639	Y
5	ICIS 410-484275/16	50.00693	12.195843	50.0	1080528.0	0.243883	Y
6	IC 410-484275/17	100.01386	26.027021	50.0	1053021.0	0.260234	Y
7	IC 410-484275/18	300.04158	72.724376	50.0	1167570.0	0.242381	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

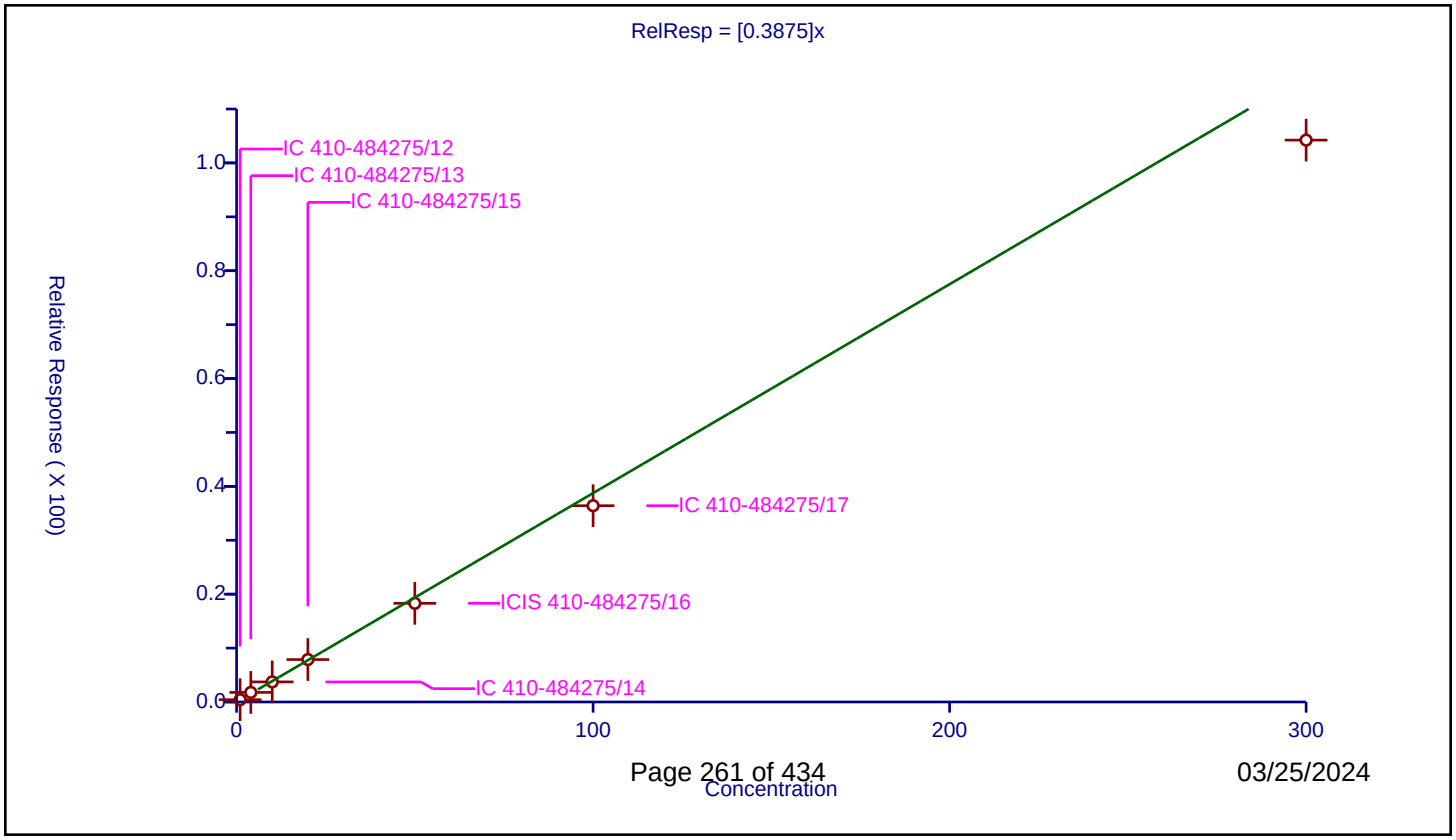
Curve Coefficients

Intercept:	0
Slope:	0.3875

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.423561	50.0	1045068.0	0.423561	Y
2	IC 410-484275/13	4.0	1.779413	50.0	1084543.0	0.444853	Y
3	IC 410-484275/14	10.0	3.727726	50.0	1095963.0	0.372773	Y
4	IC 410-484275/15	20.0	7.873281	50.0	1044012.0	0.393664	Y
5	ICIS 410-484275/16	50.0	18.302857	50.0	1080528.0	0.366057	Y
6	IC 410-484275/17	100.0	36.411145	50.0	1053021.0	0.364111	Y
7	IC 410-484275/18	300.0	104.233922	50.0	1167570.0	0.347446	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

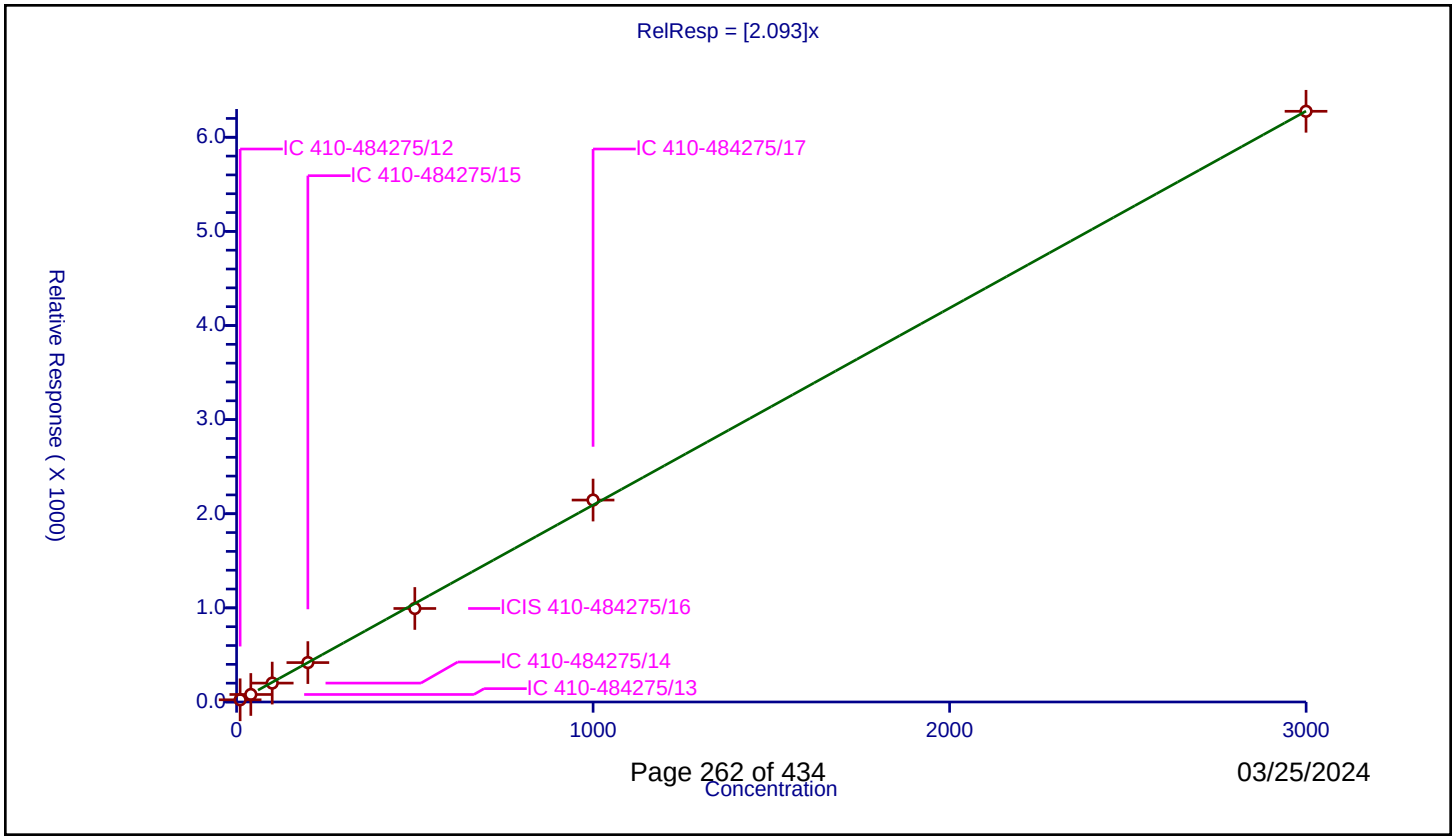
Curve Coefficients

Intercept:	0
Slope:	2.093

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	9.999153	23.309366	250.0	208339.0	2.331134	Y
2	IC 410-484275/13	39.99661	79.63613	250.0	215929.0	1.991072	Y
3	IC 410-484275/14	99.991525	200.860358	250.0	218688.0	2.008774	Y
4	IC 410-484275/15	199.98305	418.658039	250.0	214425.0	2.093468	Y
5	ICIS 410-484275/16	499.957626	993.368589	250.0	220202.0	1.986906	Y
6	IC 410-484275/17	999.915252	2145.289631	250.0	219866.0	2.145471	Y
7	IC 410-484275/18	2999.745756	6275.887704	250.0	227328.0	2.09214	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

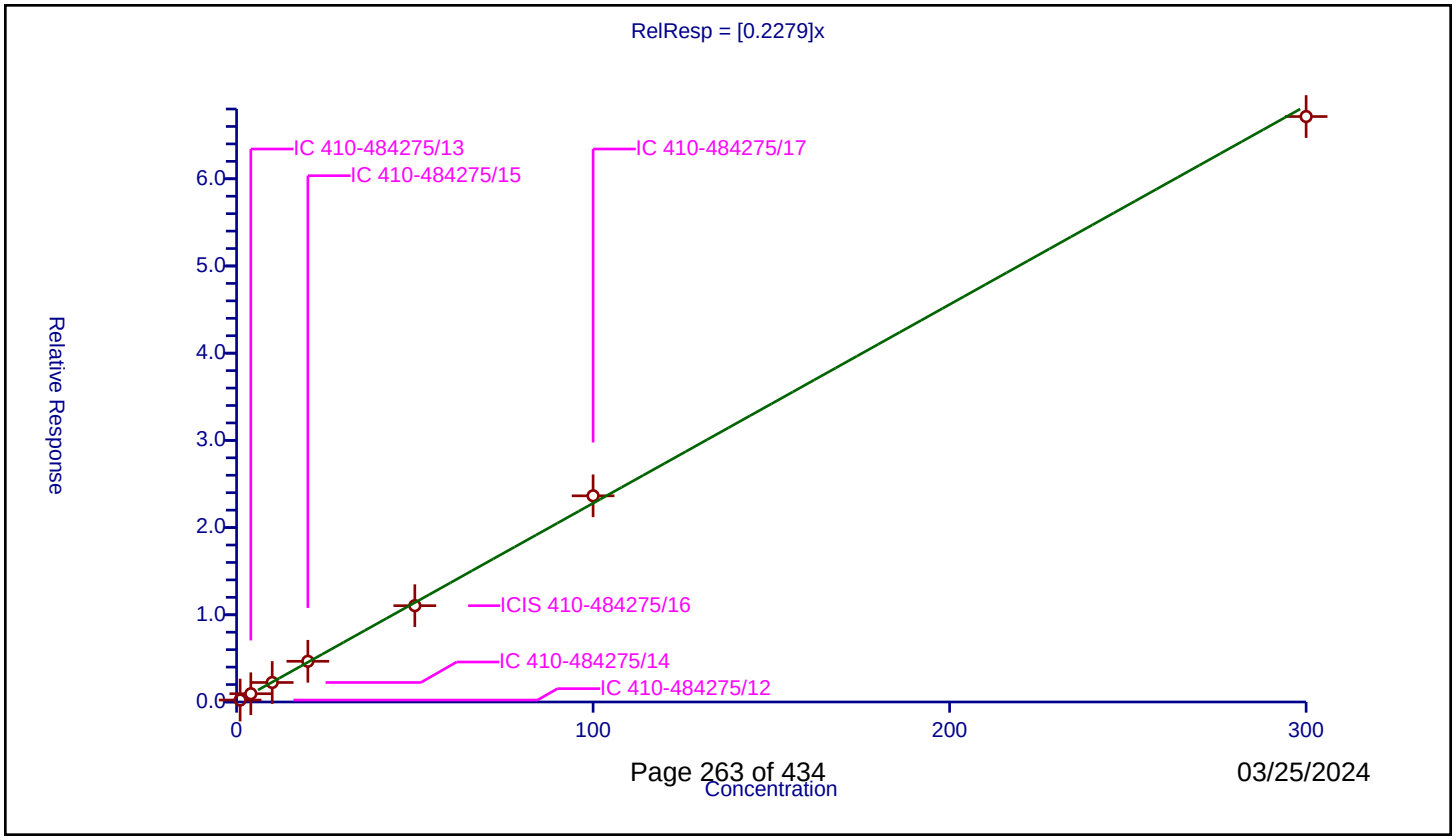
Curve Coefficients

Intercept:	0
Slope:	0.2279

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.220368	50.0	1045068.0	0.220368	Y
2	IC 410-484275/13	4.0	0.947219	50.0	1084543.0	0.236805	Y
3	IC 410-484275/14	10.0	2.238169	50.0	1095963.0	0.223817	Y
4	IC 410-484275/15	20.0	4.666565	50.0	1044012.0	0.233328	Y
5	ICIS 410-484275/16	50.0	11.044462	50.0	1080528.0	0.220889	Y
6	IC 410-484275/17	100.0	23.642311	50.0	1053021.0	0.236423	Y
7	IC 410-484275/18	300.0	67.139058	50.0	1167570.0	0.223797	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

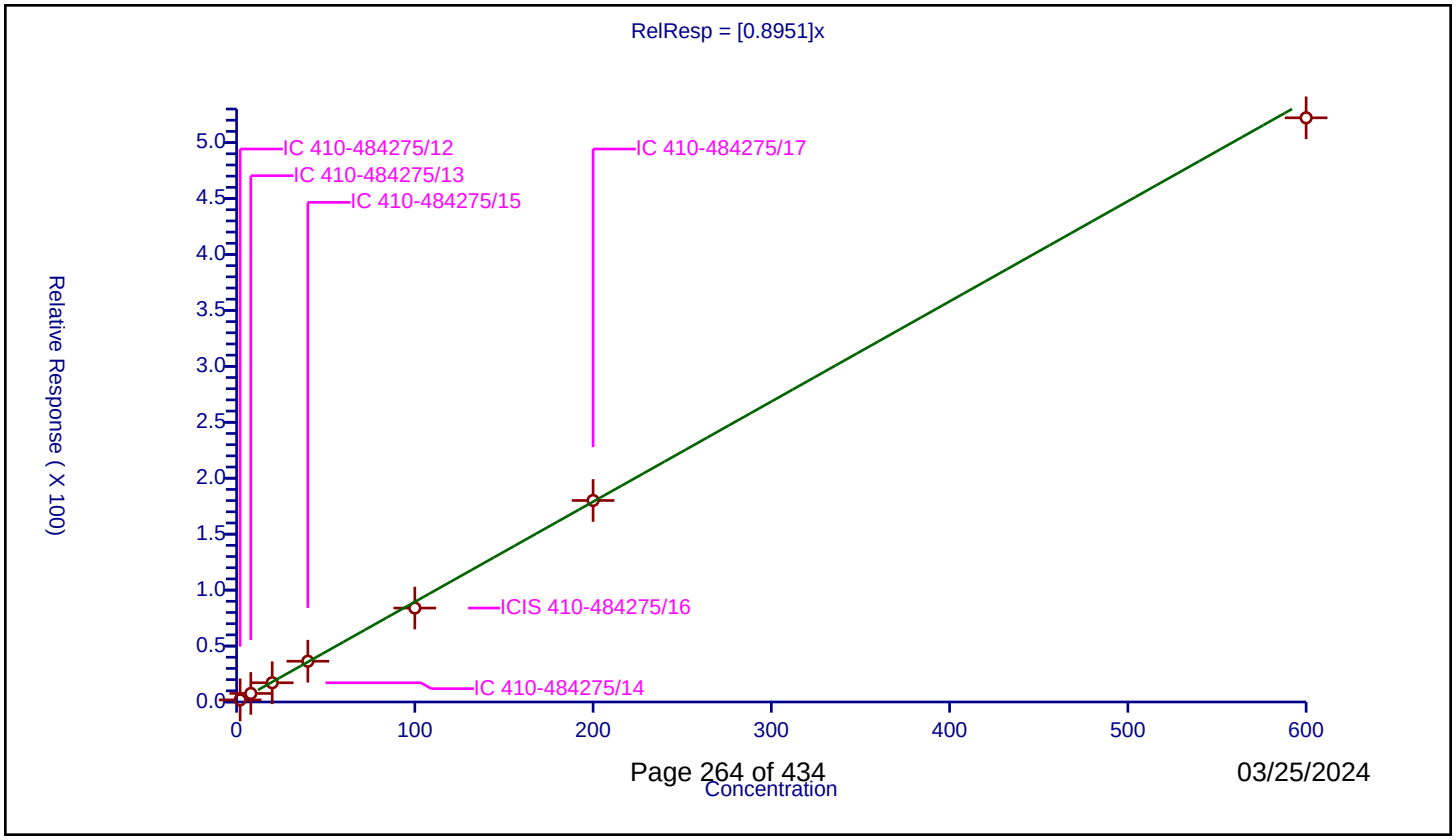
Curve Coefficients

Intercept:	0
Slope:	0.8951

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	2.0	1.863549	250.0	208339.0	0.931775	Y
2	IC 410-484275/13	8.0	7.628665	250.0	215929.0	0.953583	Y
3	IC 410-484275/14	20.0	17.186585	250.0	218688.0	0.859329	Y
4	IC 410-484275/15	40.0	36.427655	250.0	214425.0	0.910691	Y
5	ICIS 410-484275/16	100.0	83.957003	250.0	220202.0	0.83957	Y
6	IC 410-484275/17	200.0	180.114251	250.0	219866.0	0.900571	Y
7	IC 410-484275/18	600.0	522.129918	250.0	227328.0	0.870217	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

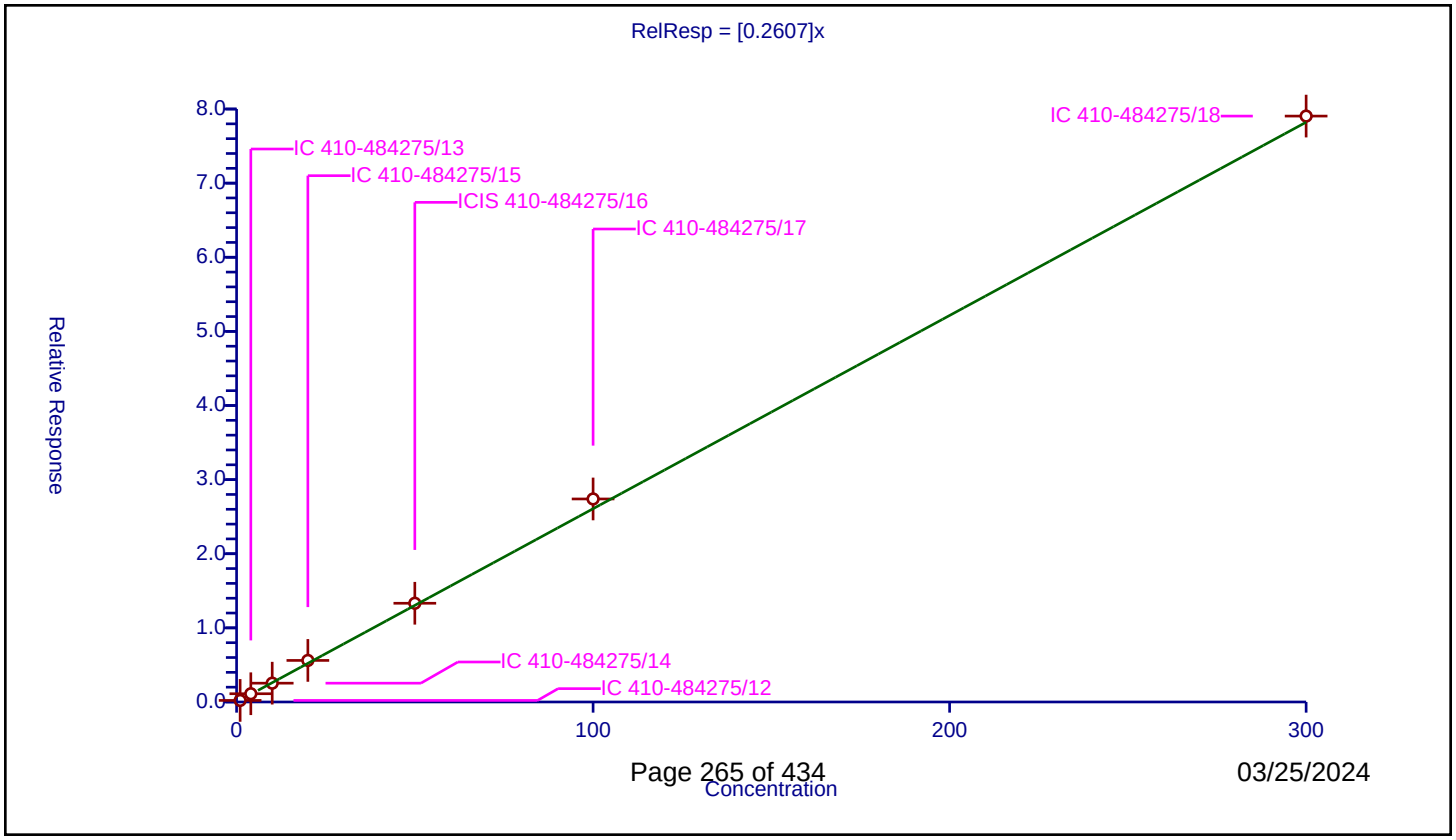
Curve Coefficients

Intercept:	0
Slope:	0.2607

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.209029	50.0	1045068.0	0.209029	Y
2	IC 410-484275/13	4.0	1.113142	50.0	1084543.0	0.278285	Y
3	IC 410-484275/14	10.0	2.537358	50.0	1095963.0	0.253736	Y
4	IC 410-484275/15	20.0	5.605252	50.0	1044012.0	0.280263	Y
5	ICIS 410-484275/16	50.0	13.319784	50.0	1080528.0	0.266396	Y
6	IC 410-484275/17	100.0	27.38991	50.0	1053021.0	0.273899	Y
7	IC 410-484275/18	300.0	79.045154	50.0	1167570.0	0.263484	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

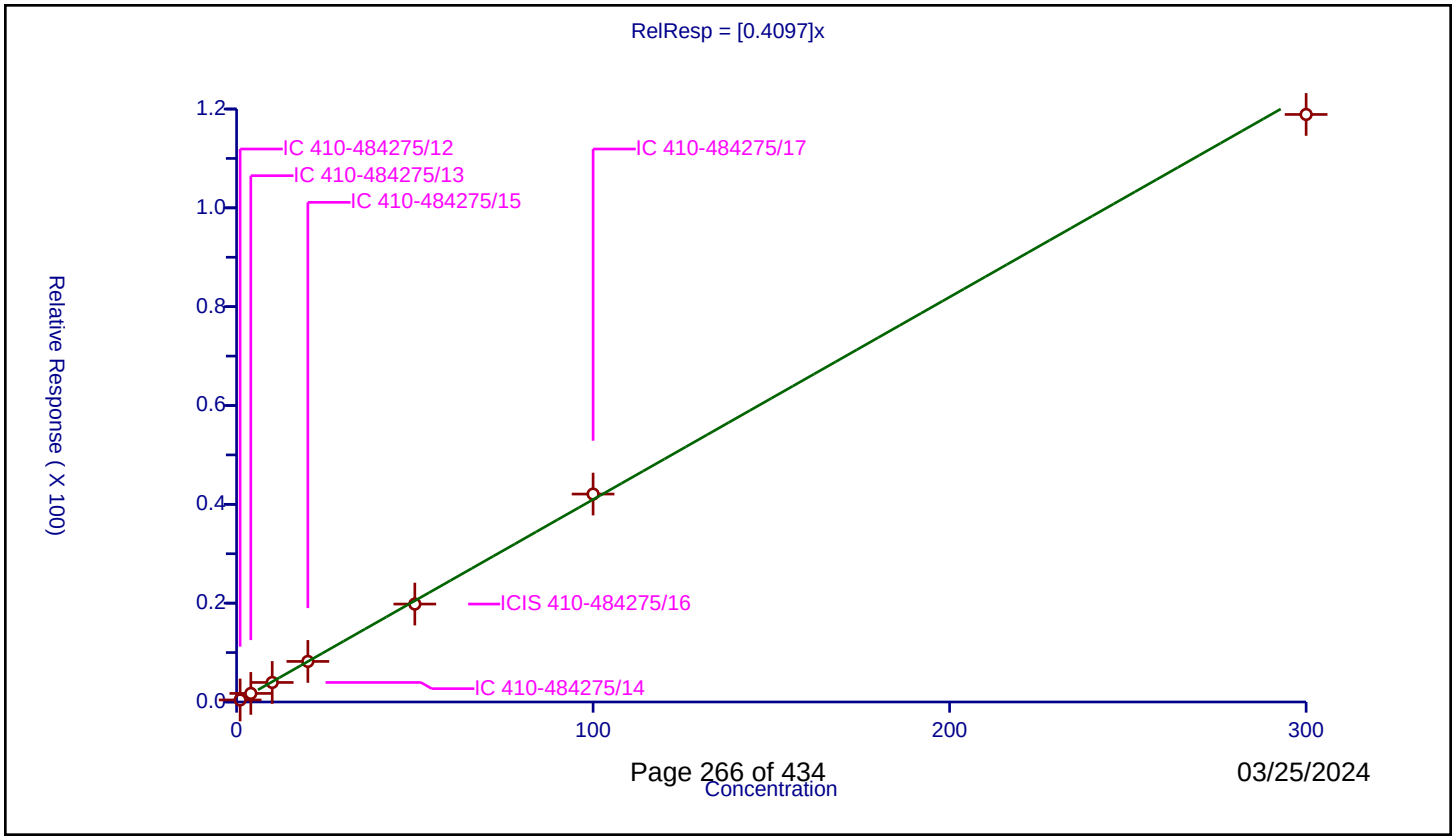
Curve Coefficients

Intercept:	0
Slope:	0.4097

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.415284	50.0	1045068.0	0.415284	Y
2	IC 410-484275/13	4.0	1.734417	50.0	1084543.0	0.433604	Y
3	IC 410-484275/14	10.0	3.952004	50.0	1095963.0	0.3952	Y
4	IC 410-484275/15	20.0	8.208766	50.0	1044012.0	0.410438	Y
5	ICIS 410-484275/16	50.0	19.81832	50.0	1080528.0	0.396366	Y
6	IC 410-484275/17	100.0	42.078933	50.0	1053021.0	0.420789	Y
7	IC 410-484275/18	300.0	118.900494	50.0	1167570.0	0.396335	Y



Calibration / Isopropyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

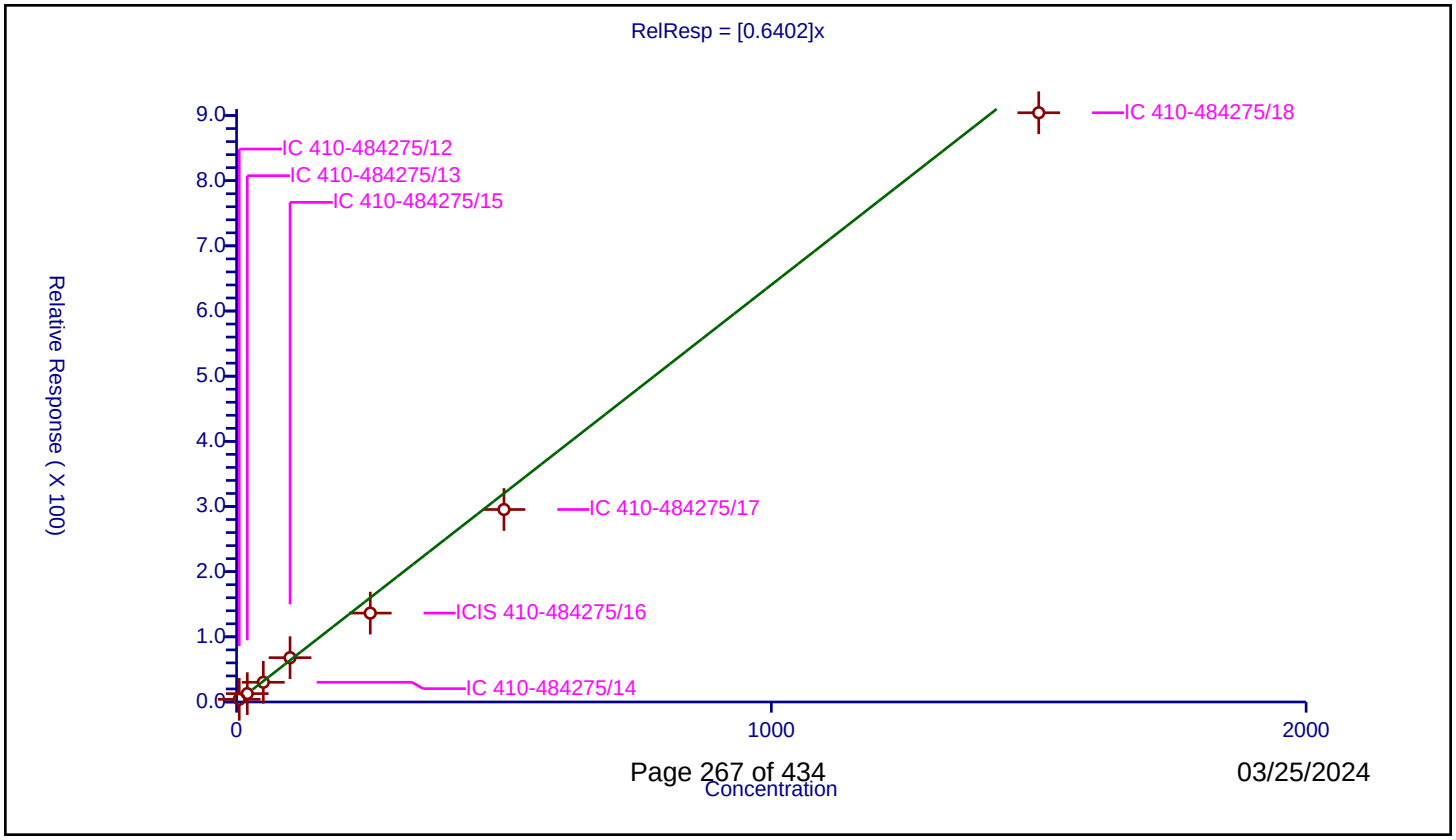
Curve Coefficients

Intercept:	0
Slope:	0.6402

Error Coefficients

Relative Standard Deviation:	13.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	5.0	4.073889	250.0	208339.0	0.814778	Y
2	IC 410-484275/13	20.0	12.843342	250.0	215929.0	0.642167	Y
3	IC 410-484275/14	50.0	30.277153	250.0	218688.0	0.605543	Y
4	IC 410-484275/15	100.0	67.97948	250.0	214425.0	0.679795	Y
5	ICIS 410-484275/16	250.0	136.403166	250.0	220202.0	0.545613	Y
6	IC 410-484275/17	500.0	295.391284	250.0	219866.0	0.590783	Y
7	IC 410-484275/18	1500.0	904.27488	250.0	227328.0	0.60285	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

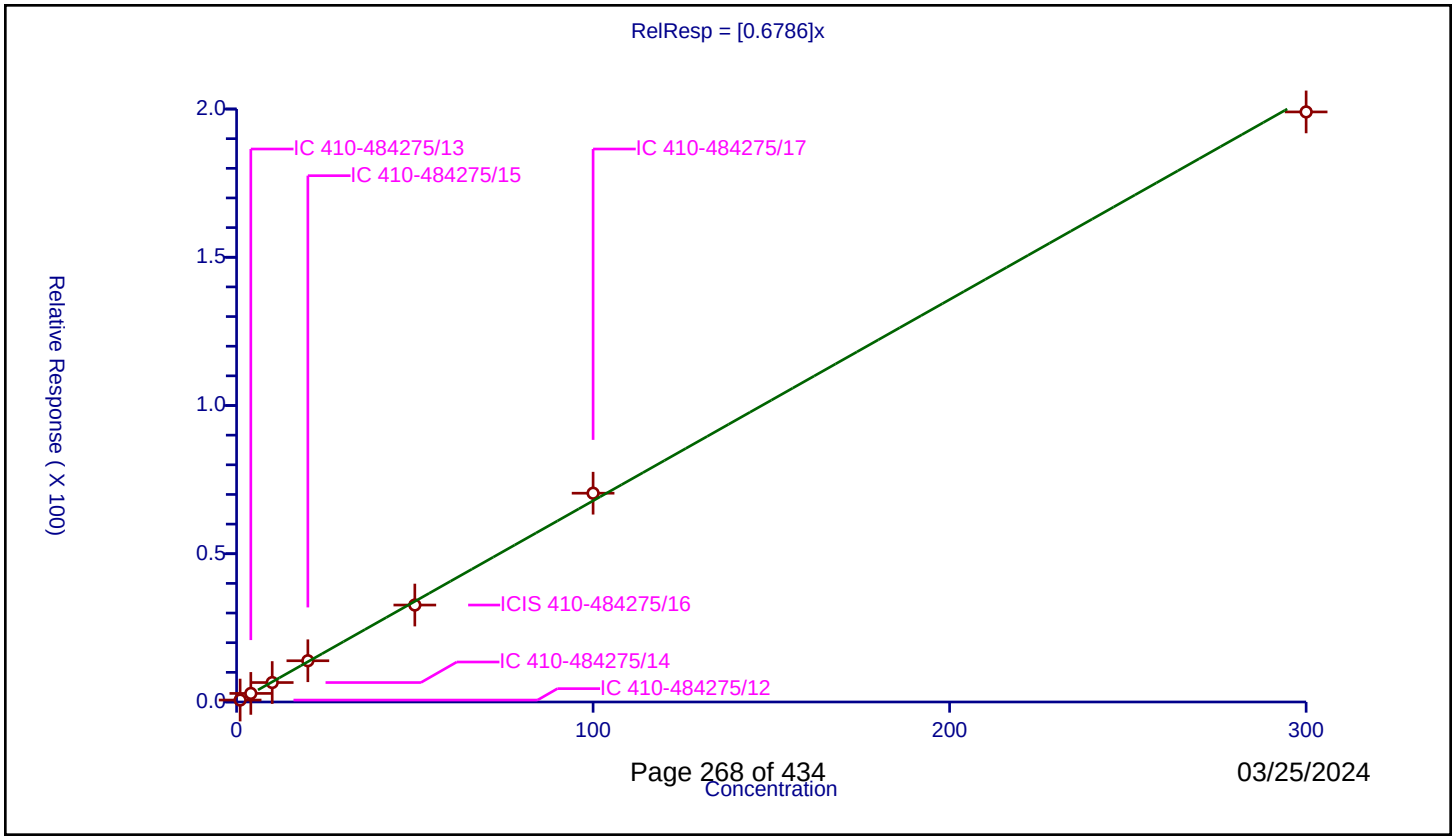
Curve Coefficients

Intercept:	0
Slope:	0.6786

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.655268	50.0	1045068.0	0.655268	Y
2	IC 410-484275/13	4.0	2.889835	50.0	1084543.0	0.722459	Y
3	IC 410-484275/14	10.0	6.55857	50.0	1095963.0	0.655857	Y
4	IC 410-484275/15	20.0	13.905348	50.0	1044012.0	0.695267	Y
5	ICIS 410-484275/16	50.0	32.699662	50.0	1080528.0	0.653993	Y
6	IC 410-484275/17	100.0	70.424237	50.0	1053021.0	0.704242	Y
7	IC 410-484275/18	300.0	199.022029	50.0	1167570.0	0.663407	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

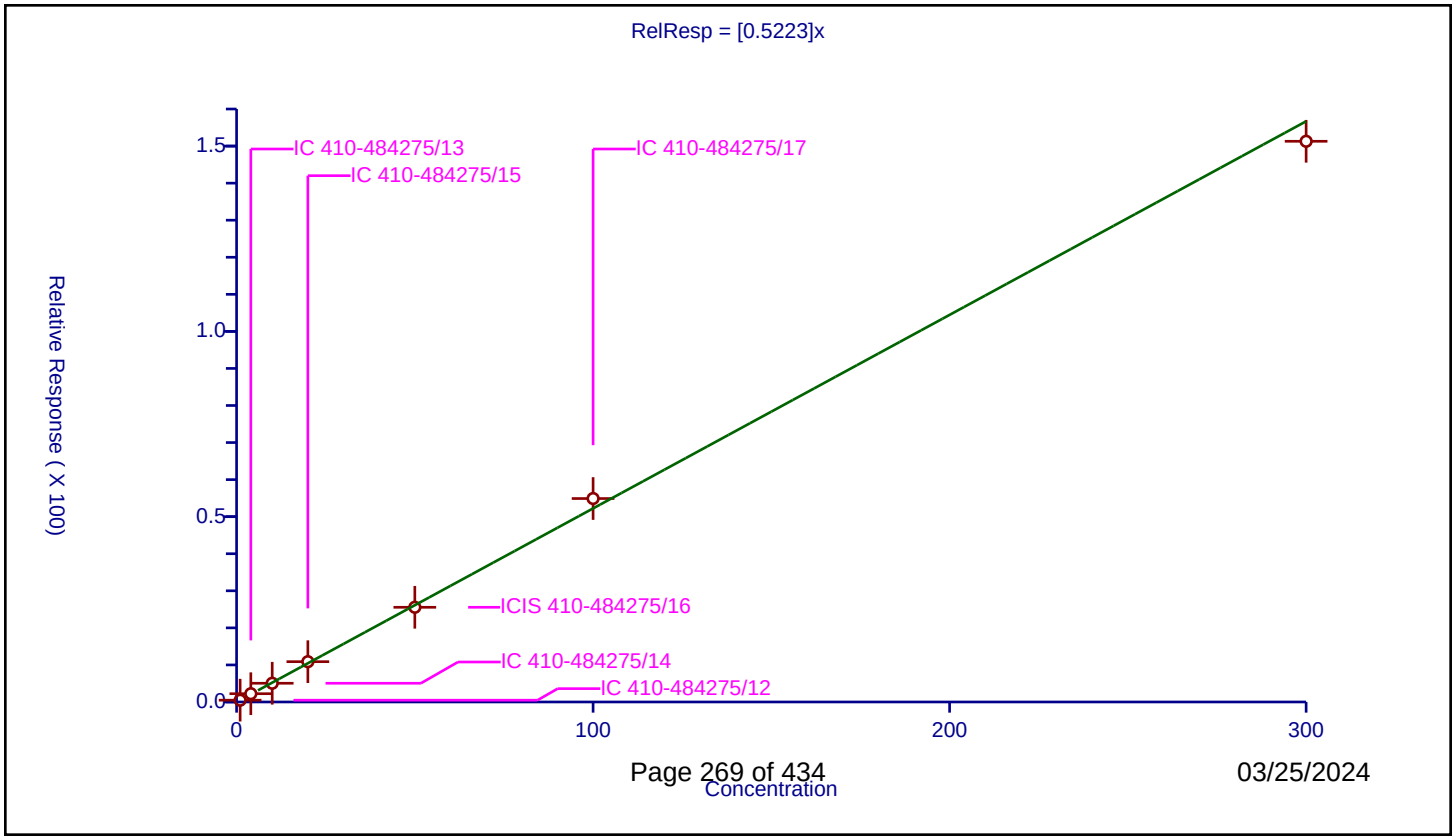
Curve Coefficients

Intercept:	0
Slope:	0.5223

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.483892	50.0	1045068.0	0.483892	Y
2	IC 410-484275/13	4.0	2.234259	50.0	1084543.0	0.558565	Y
3	IC 410-484275/14	10.0	5.052315	50.0	1095963.0	0.505231	Y
4	IC 410-484275/15	20.0	10.875929	50.0	1044012.0	0.543796	Y
5	ICIS 410-484275/16	50.0	25.556441	50.0	1080528.0	0.511129	Y
6	IC 410-484275/17	100.0	54.89805	50.0	1053021.0	0.548981	Y
7	IC 410-484275/18	300.0	151.294098	50.0	1167570.0	0.504314	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

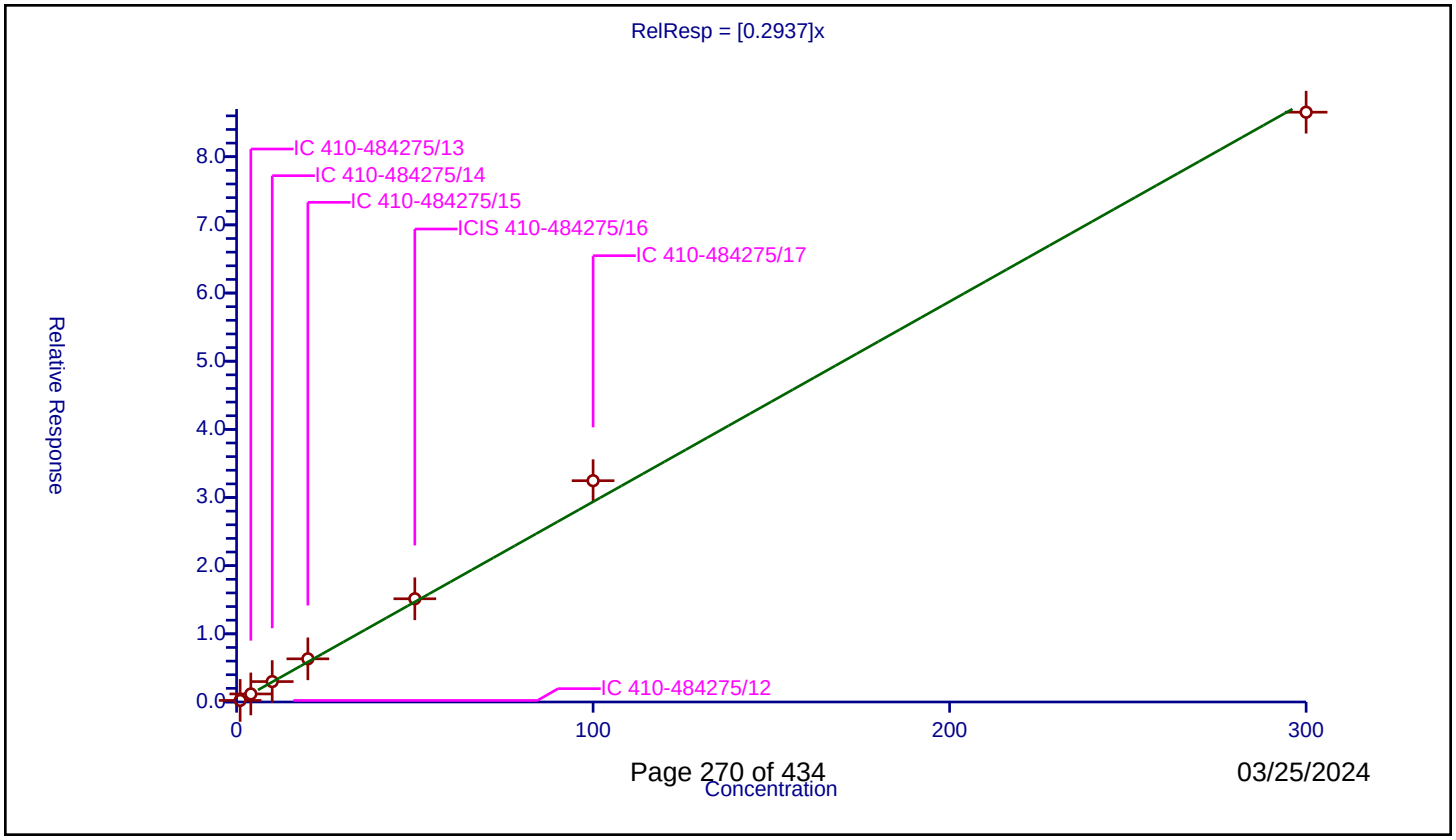
Curve Coefficients

Intercept:	0
Slope:	0.2937

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.22898	50.0	1045068.0	0.22898	Y
2	IC 410-484275/13	4.0	1.180866	50.0	1084543.0	0.295217	Y
3	IC 410-484275/14	10.0	2.993075	50.0	1095963.0	0.299308	Y
4	IC 410-484275/15	20.0	6.333979	50.0	1044012.0	0.316699	Y
5	ICIS 410-484275/16	50.0	15.144957	50.0	1080528.0	0.302899	Y
6	IC 410-484275/17	100.0	32.466826	50.0	1053021.0	0.324668	Y
7	IC 410-484275/18	300.0	86.534212	50.0	1167570.0	0.288447	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

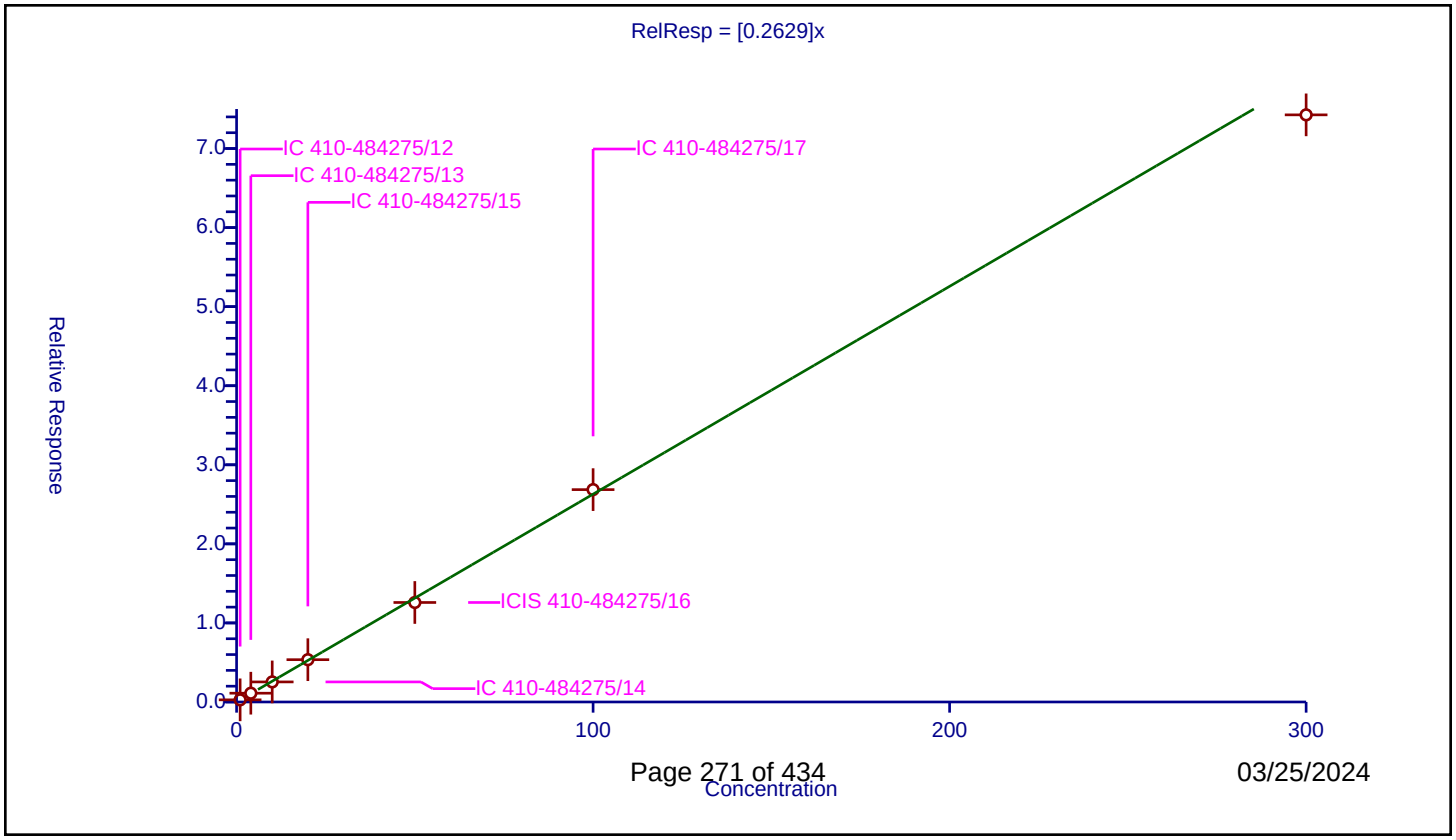
Curve Coefficients

Intercept:	0
Slope:	0.2629

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.272757	50.0	1045068.0	0.272757	Y
2	IC 410-484275/13	4.0	1.111805	50.0	1084543.0	0.277951	Y
3	IC 410-484275/14	10.0	2.539046	50.0	1095963.0	0.253905	Y
4	IC 410-484275/15	20.0	5.349843	50.0	1044012.0	0.267492	Y
5	ICIS 410-484275/16	50.0	12.585282	50.0	1080528.0	0.251706	Y
6	IC 410-484275/17	100.0	26.860433	50.0	1053021.0	0.268604	Y
7	IC 410-484275/18	300.0	74.26073	50.0	1167570.0	0.247536	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

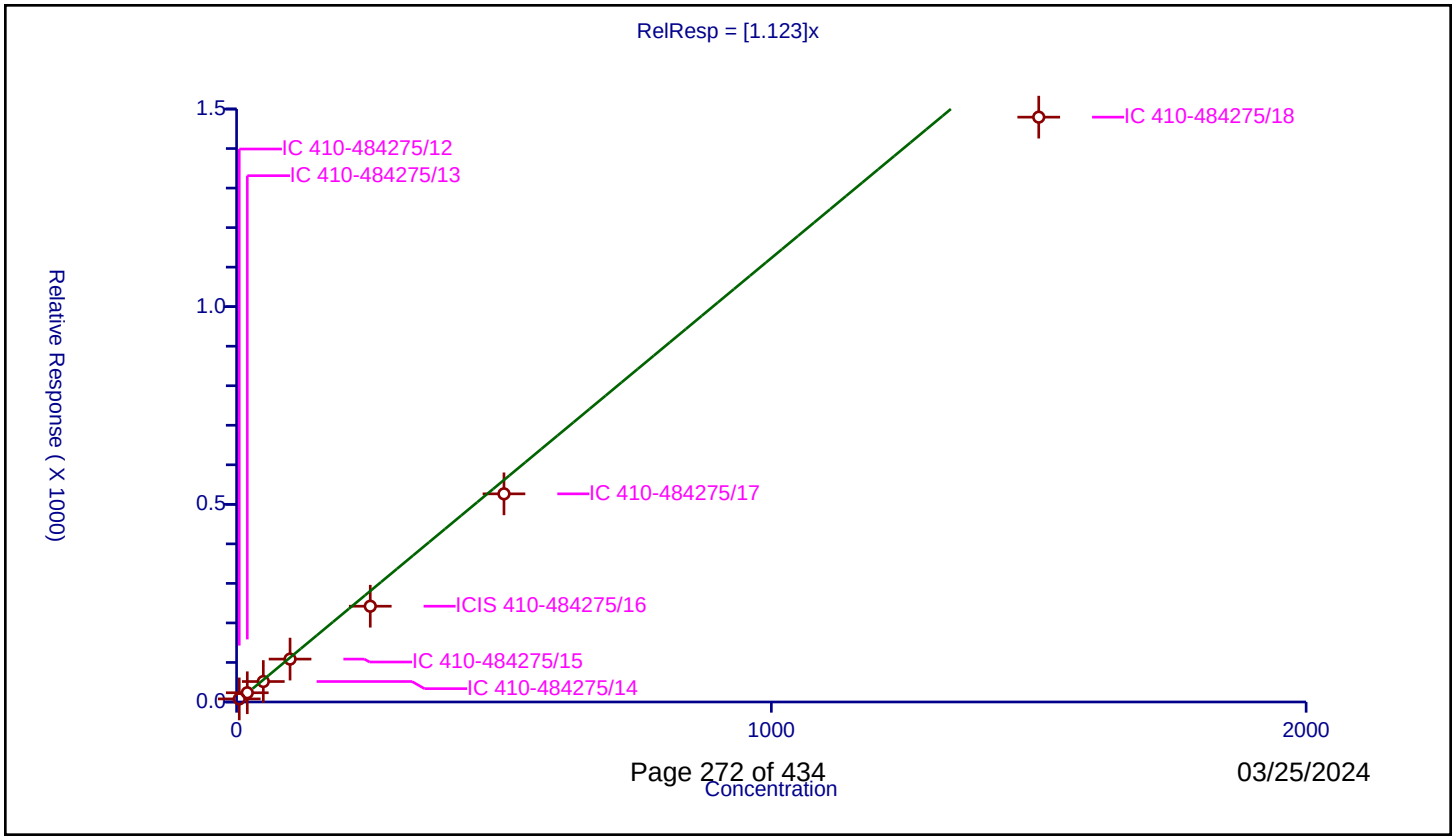
Curve Coefficients

Intercept:	0
Slope:	1.123

Error Coefficients

Relative Standard Deviation:	18.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	5.0	7.818987	250.0	208339.0	1.563797	Y
2	IC 410-484275/13	20.0	23.374581	250.0	215929.0	1.168729	Y
3	IC 410-484275/14	50.0	51.75867	250.0	218688.0	1.035173	Y
4	IC 410-484275/15	100.0	108.484319	250.0	214425.0	1.084843	Y
5	ICIS 410-484275/16	250.0	242.254839	250.0	220202.0	0.969019	Y
6	IC 410-484275/17	500.0	526.536618	250.0	219866.0	1.053073	Y
7	IC 410-484275/18	1500.0	1479.427303	250.0	227328.0	0.986285	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

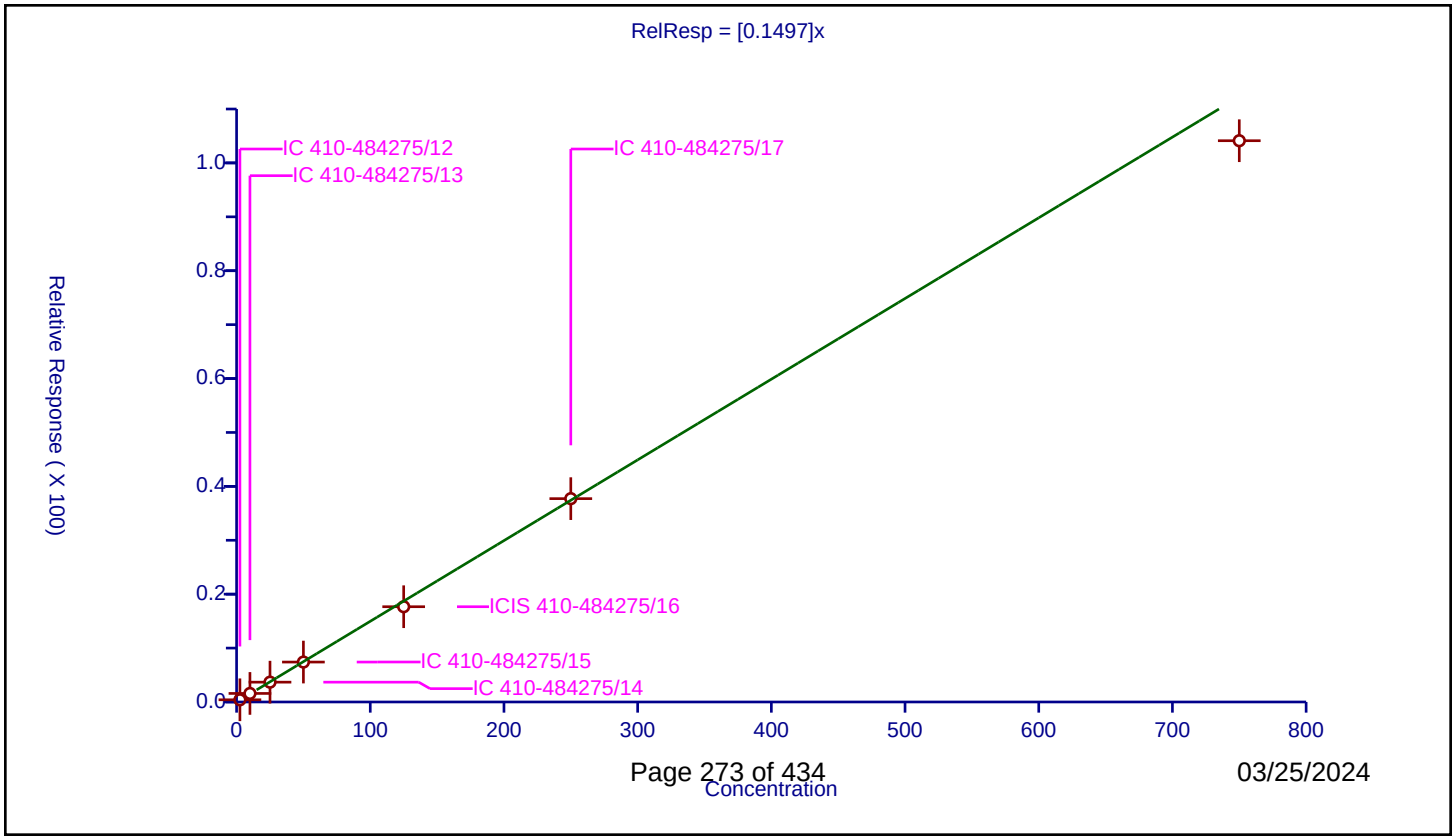
Curve Coefficients

Intercept:	0
Slope:	0.1497

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	2.5	0.407581	50.0	1045068.0	0.163032	Y
2	IC 410-484275/13	10.0	1.585276	50.0	1084543.0	0.158528	Y
3	IC 410-484275/14	25.0	3.676401	50.0	1095963.0	0.147056	Y
4	IC 410-484275/15	50.0	7.40729	50.0	1044012.0	0.148146	Y
5	ICIS 410-484275/16	125.0	17.673813	50.0	1080528.0	0.141391	Y
6	IC 410-484275/17	250.0	37.72033	50.0	1053021.0	0.150881	Y
7	IC 410-484275/18	750.0	104.117826	50.0	1167570.0	0.138824	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

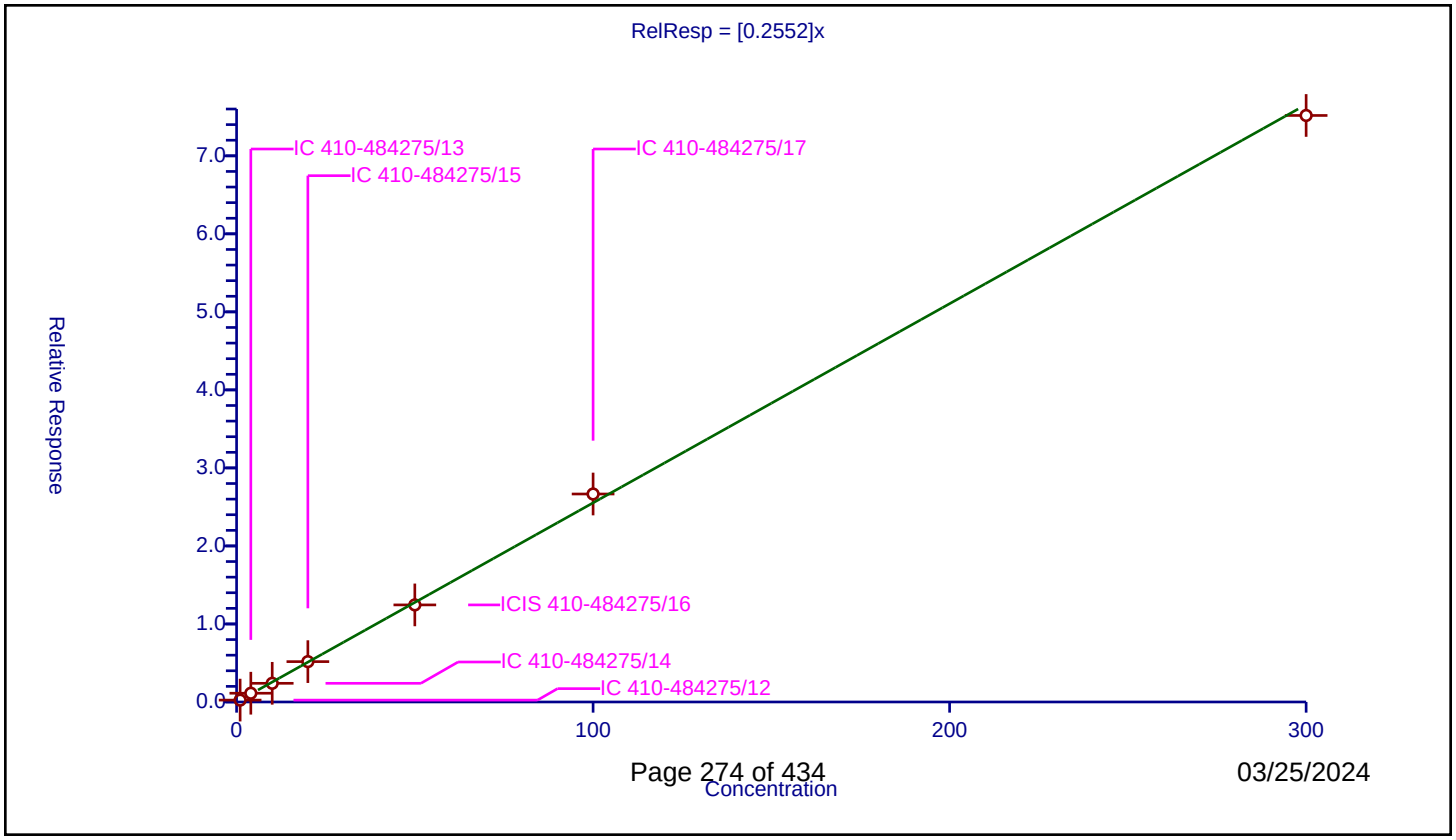
Curve Coefficients

Intercept:	0
Slope:	0.2552

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.24142	50.0	1045068.0	0.24142	Y
2	IC 410-484275/13	4.0	1.124437	50.0	1084543.0	0.281109	Y
3	IC 410-484275/14	10.0	2.395428	50.0	1095963.0	0.239543	Y
4	IC 410-484275/15	20.0	5.172833	50.0	1044012.0	0.258642	Y
5	ICIS 410-484275/16	50.0	12.441741	50.0	1080528.0	0.248835	Y
6	IC 410-484275/17	100.0	26.657018	50.0	1053021.0	0.26657	Y
7	IC 410-484275/18	300.0	75.172838	50.0	1167570.0	0.250576	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

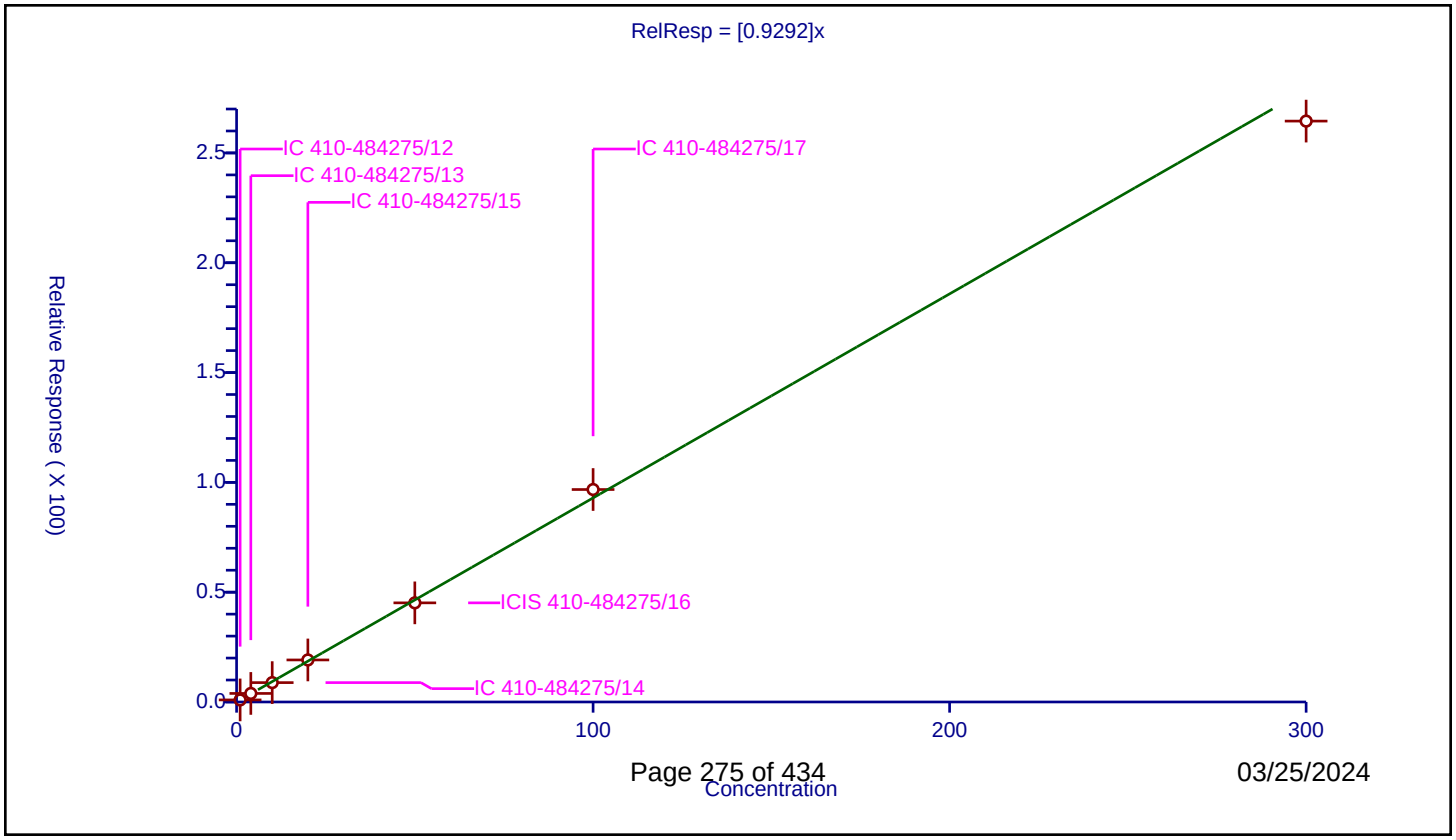
Curve Coefficients

Intercept:	0
Slope:	0.9292

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.941183	50.0	1045068.0	0.941183	Y
2	IC 410-484275/13	4.0	3.889288	50.0	1084543.0	0.972322	Y
3	IC 410-484275/14	10.0	8.8159	50.0	1095963.0	0.88159	Y
4	IC 410-484275/15	20.0	19.147577	50.0	1044012.0	0.957379	Y
5	ICIS 410-484275/16	50.0	45.133305	50.0	1080528.0	0.902666	Y
6	IC 410-484275/17	100.0	96.738147	50.0	1053021.0	0.967381	Y
7	IC 410-484275/18	300.0	264.496219	50.0	1167570.0	0.881654	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

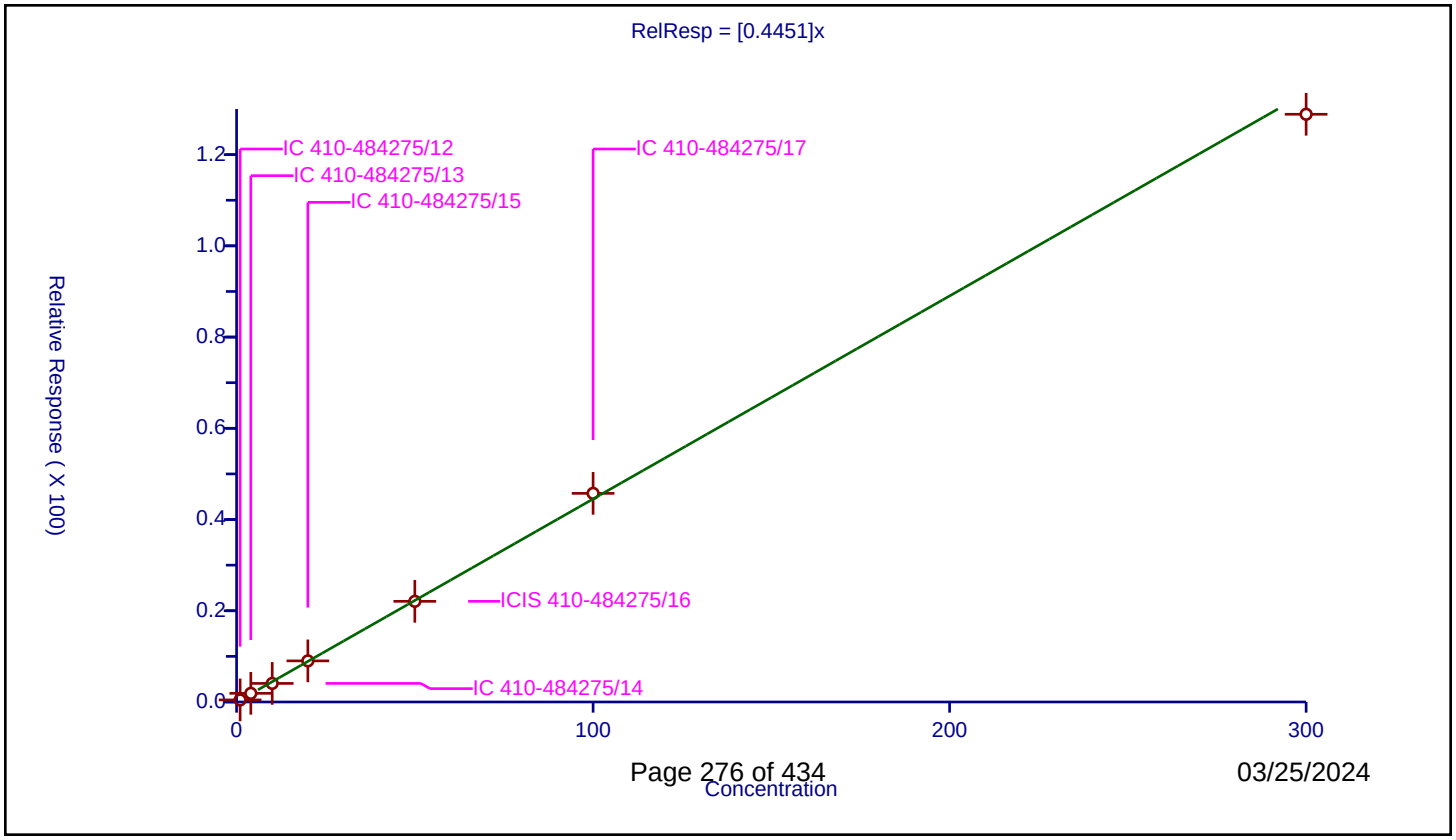
Curve Coefficients

Intercept:	0
Slope:	0.4451

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.455856	50.0	1045068.0	0.455856	Y
2	IC 410-484275/13	4.0	1.894577	50.0	1084543.0	0.473644	Y
3	IC 410-484275/14	10.0	4.072263	50.0	1095963.0	0.407226	Y
4	IC 410-484275/15	20.0	9.014264	50.0	1044012.0	0.450713	Y
5	ICIS 410-484275/16	50.0	22.065324	50.0	1080528.0	0.441306	Y
6	IC 410-484275/17	100.0	45.740018	50.0	1053021.0	0.4574	Y
7	IC 410-484275/18	300.0	128.847392	50.0	1167570.0	0.429491	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

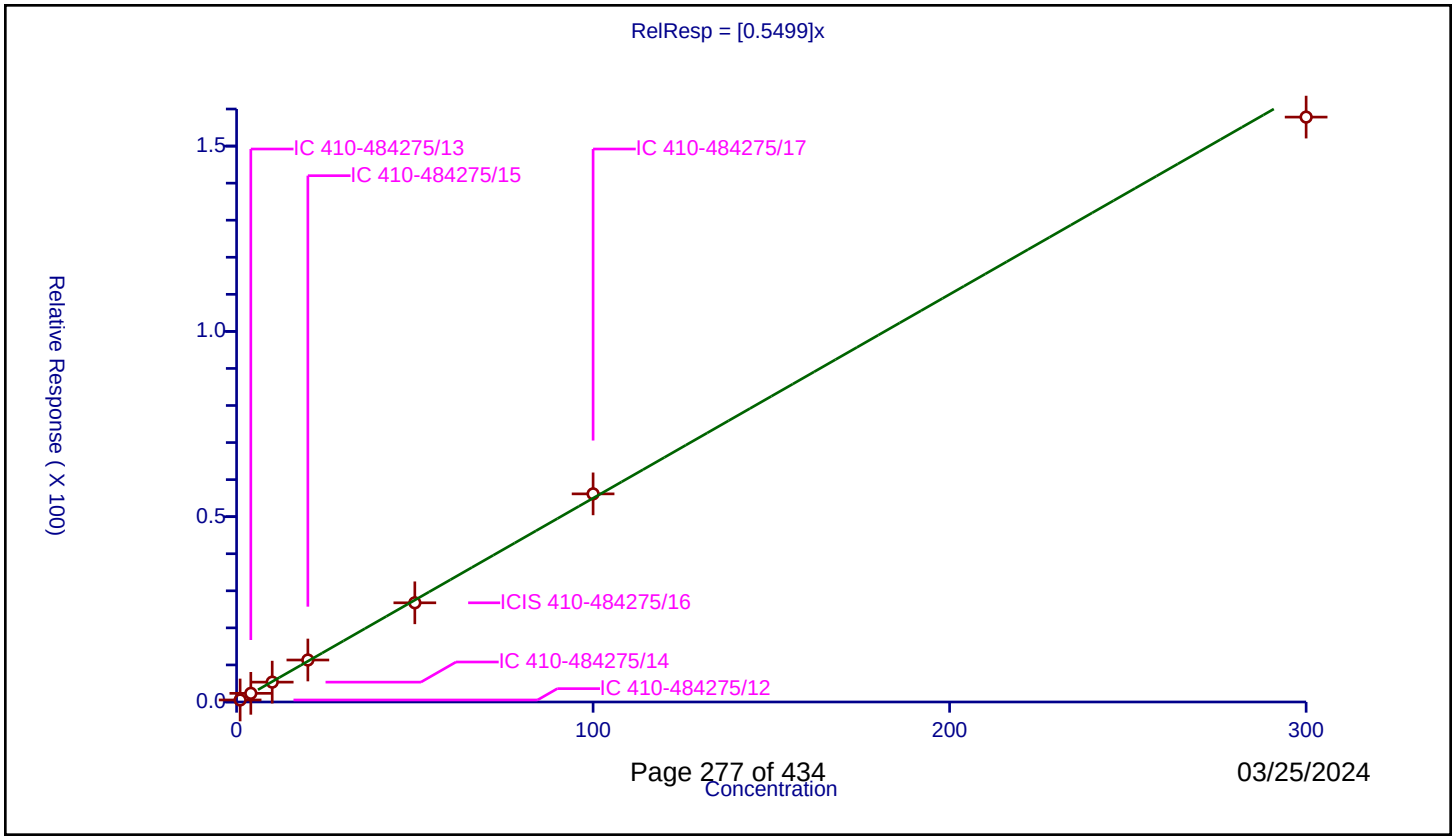
Curve Coefficients

Intercept:	0
Slope:	0.5499

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.540395	50.0	1045068.0	0.540395	Y
2	IC 410-484275/13	4.0	2.335546	50.0	1084543.0	0.583886	Y
3	IC 410-484275/14	10.0	5.360126	50.0	1095963.0	0.536013	Y
4	IC 410-484275/15	20.0	11.326881	50.0	1044012.0	0.566344	Y
5	ICIS 410-484275/16	50.0	26.763536	50.0	1080528.0	0.535271	Y
6	IC 410-484275/17	100.0	56.159041	50.0	1053021.0	0.56159	Y
7	IC 410-484275/18	300.0	157.821158	50.0	1167570.0	0.526071	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

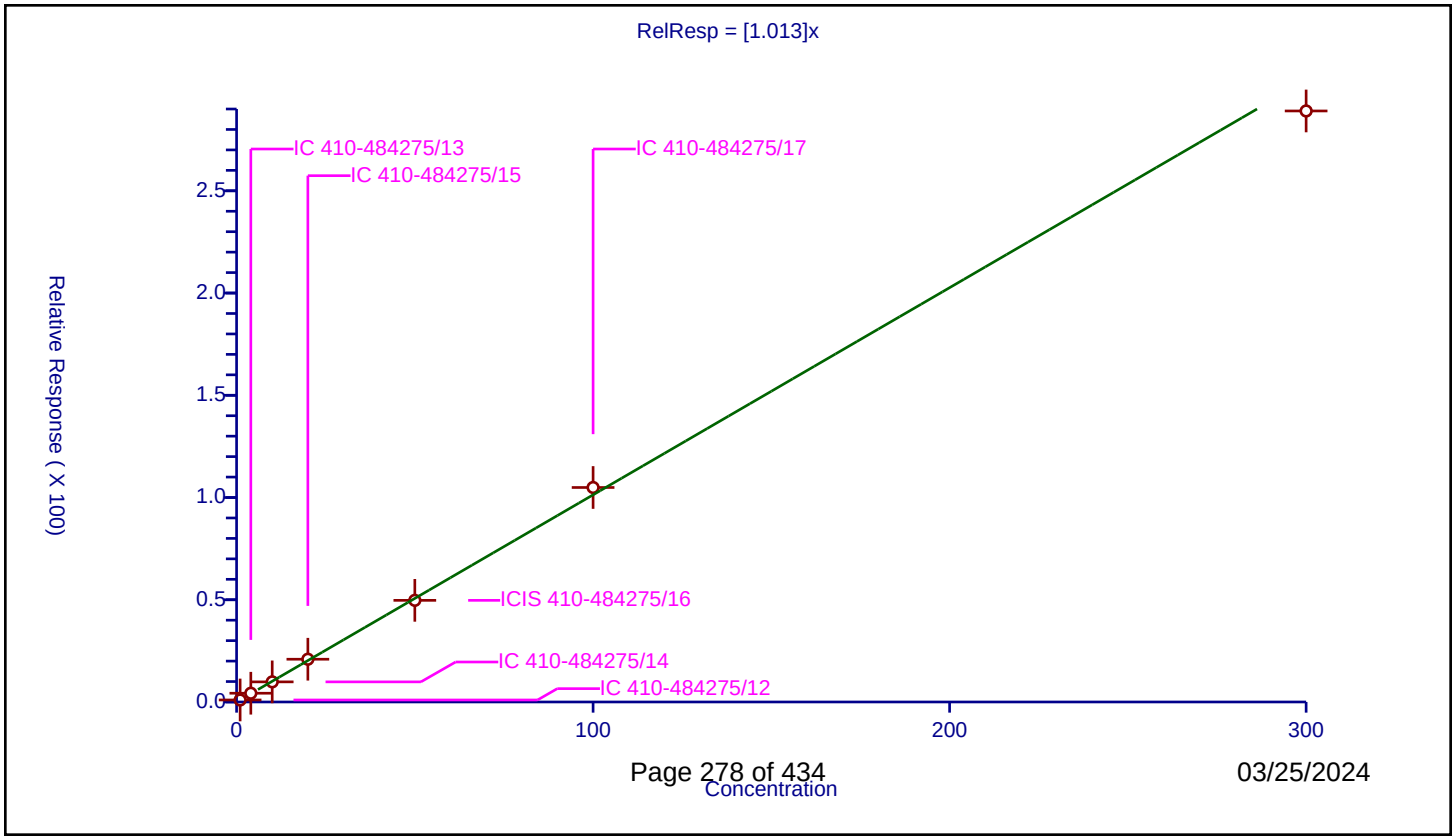
Curve Coefficients

Intercept:	0
Slope:	1.013

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.986299	50.0	1045068.0	0.986299	Y
2	IC 410-484275/13	4.0	4.278853	50.0	1084543.0	1.069713	Y
3	IC 410-484275/14	10.0	9.836692	50.0	1095963.0	0.983669	Y
4	IC 410-484275/15	20.0	20.912643	50.0	1044012.0	1.045632	Y
5	ICIS 410-484275/16	50.0	49.714029	50.0	1080528.0	0.994281	Y
6	IC 410-484275/17	100.0	104.896958	50.0	1053021.0	1.04897	Y
7	IC 410-484275/18	300.0	289.052948	50.0	1167570.0	0.96351	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

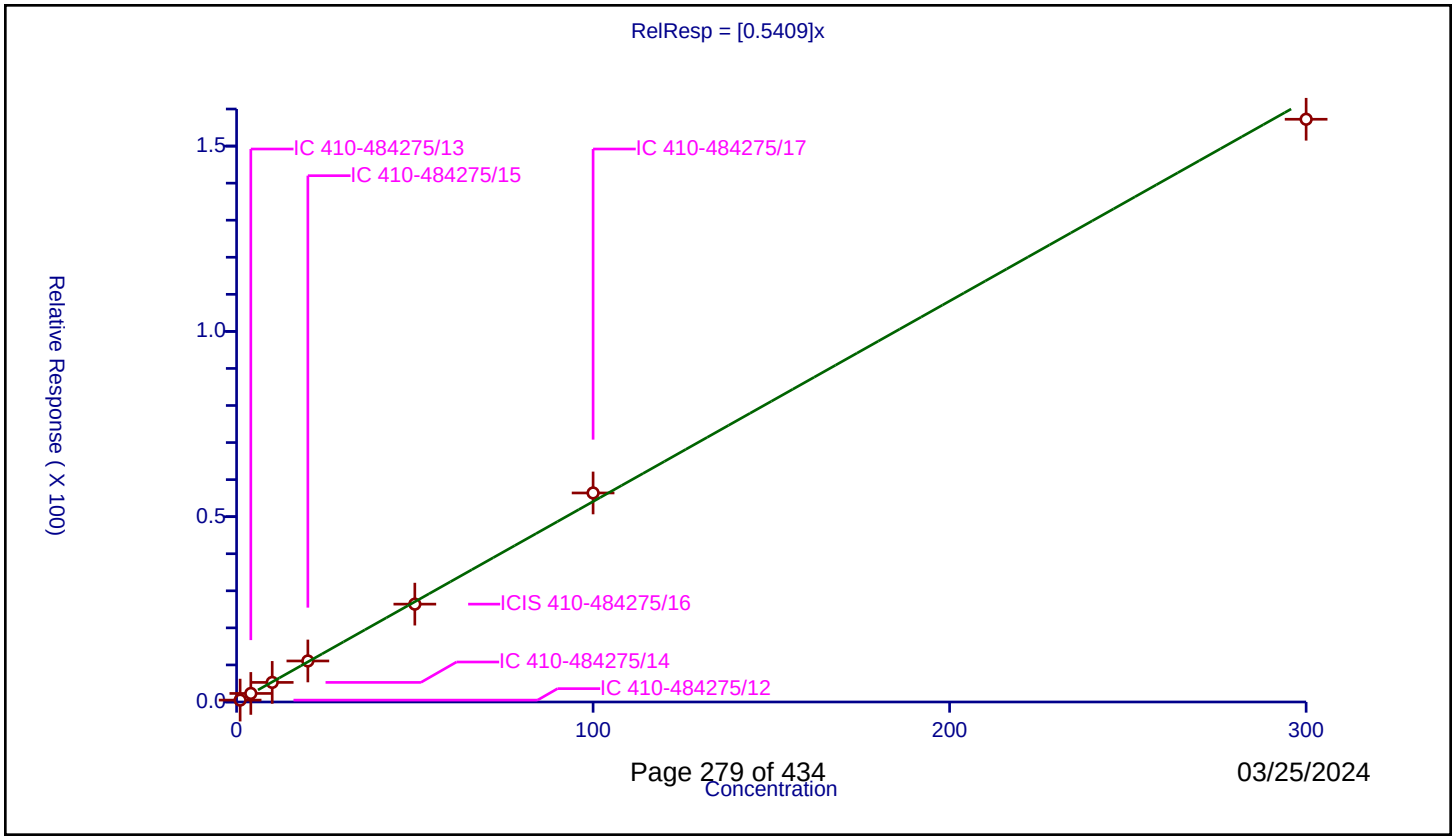
Curve Coefficients

Intercept:	0
Slope:	0.5409

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.510637	50.0	1045068.0	0.510637	Y
2	IC 410-484275/13	4.0	2.308945	50.0	1084543.0	0.577236	Y
3	IC 410-484275/14	10.0	5.287907	50.0	1095963.0	0.528791	Y
4	IC 410-484275/15	20.0	11.070083	50.0	1044012.0	0.553504	Y
5	ICIS 410-484275/16	50.0	26.403666	50.0	1080528.0	0.528073	Y
6	IC 410-484275/17	100.0	56.401344	50.0	1053021.0	0.564013	Y
7	IC 410-484275/18	300.0	157.234127	50.0	1167570.0	0.524114	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

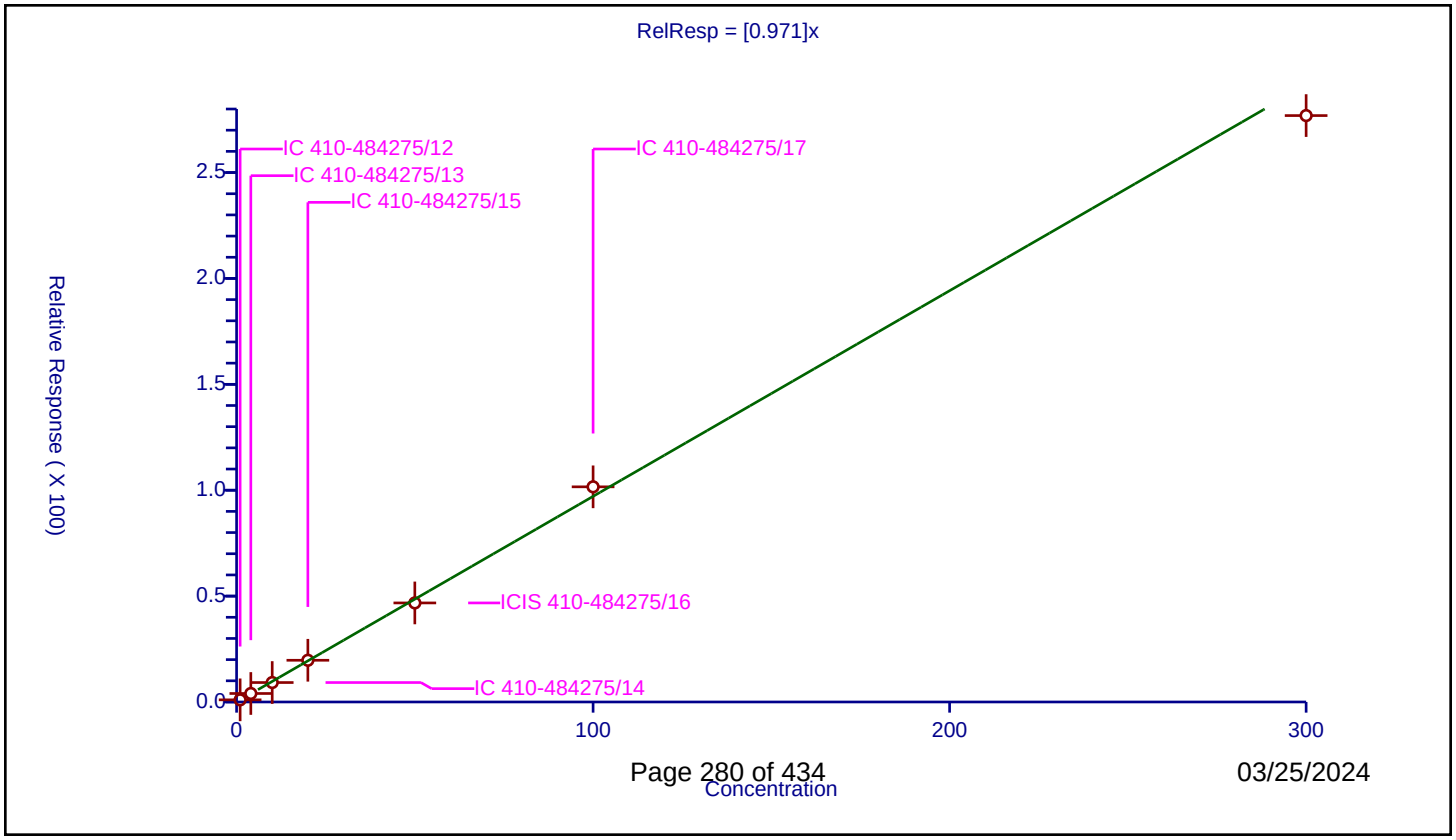
Curve Coefficients

Intercept:	0
Slope:	0.971

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	1.015915	50.0	1045068.0	1.015915	Y
2	IC 410-484275/13	4.0	4.011459	50.0	1084543.0	1.002865	Y
3	IC 410-484275/14	10.0	9.190183	50.0	1095963.0	0.919018	Y
4	IC 410-484275/15	20.0	19.695703	50.0	1044012.0	0.984785	Y
5	ICIS 410-484275/16	50.0	46.773476	50.0	1080528.0	0.93547	Y
6	IC 410-484275/17	100.0	101.59408	50.0	1053021.0	1.015941	Y
7	IC 410-484275/18	300.0	276.900143	50.0	1167570.0	0.923	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

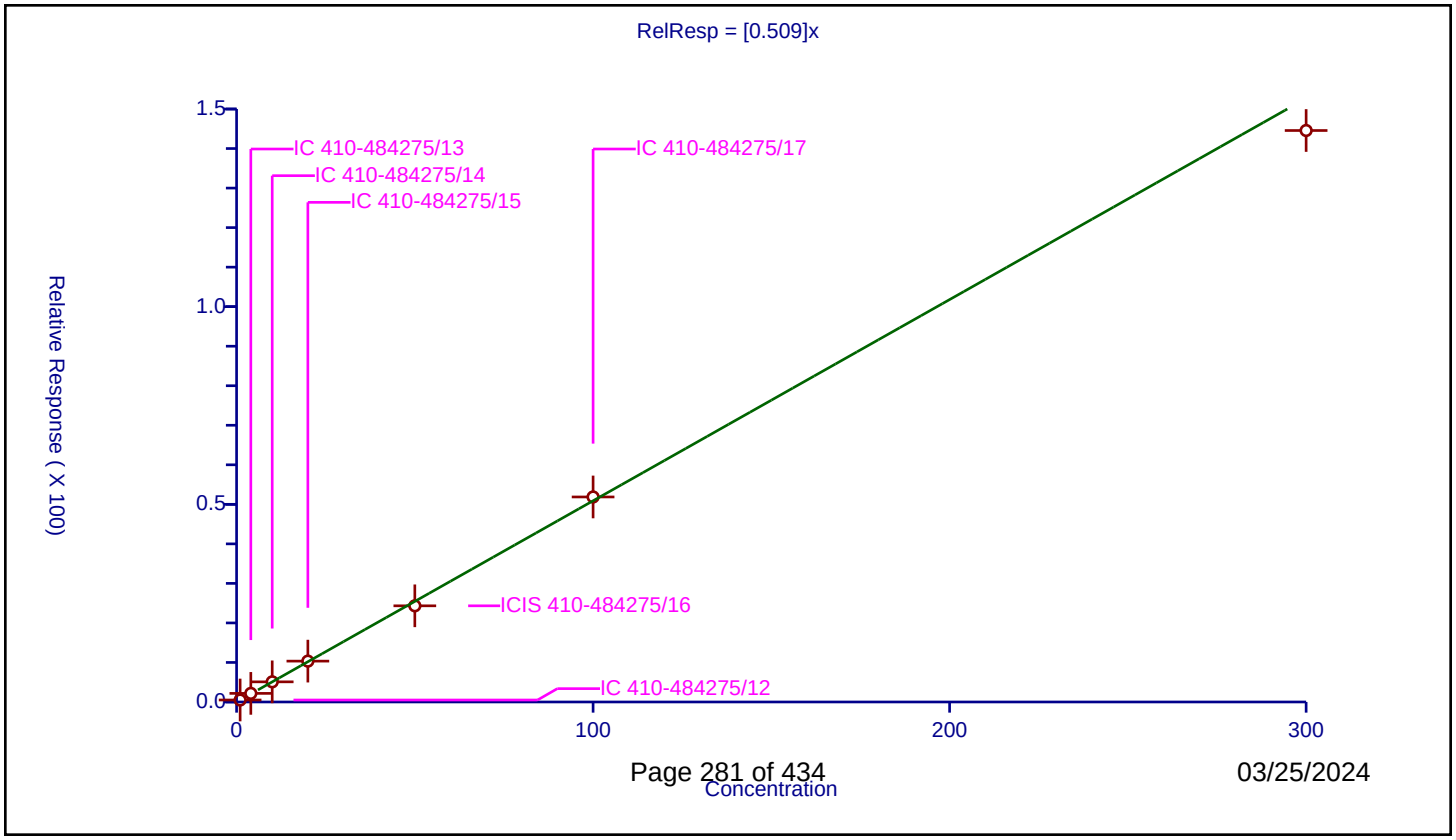
Curve Coefficients

Intercept:	0
Slope:	0.509

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.504991	50.0	1045068.0	0.504991	Y
2	IC 410-484275/13	4.0	2.177092	50.0	1084543.0	0.544273	Y
3	IC 410-484275/14	10.0	5.095336	50.0	1095963.0	0.509534	Y
4	IC 410-484275/15	20.0	10.338291	50.0	1044012.0	0.516915	Y
5	ICIS 410-484275/16	50.0	24.32806	50.0	1080528.0	0.486561	Y
6	IC 410-484275/17	100.0	51.861121	50.0	1053021.0	0.518611	Y
7	IC 410-484275/18	300.0	144.563409	50.0	1167570.0	0.481878	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

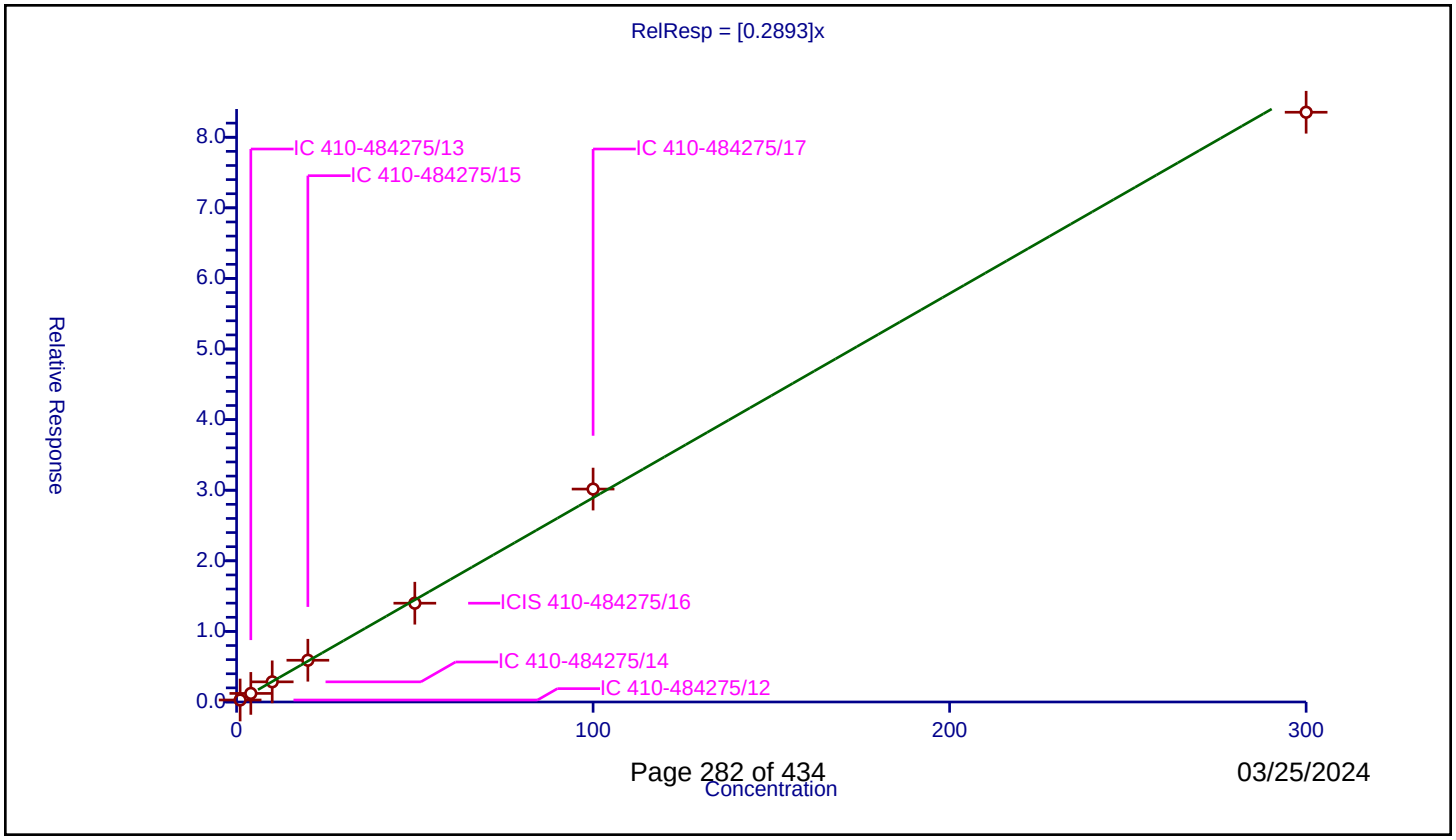
Curve Coefficients

Intercept:	0
Slope:	0.2893

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.280795	50.0	1045068.0	0.280795	Y
2	IC 410-484275/13	4.0	1.213092	50.0	1084543.0	0.303273	Y
3	IC 410-484275/14	10.0	2.854704	50.0	1095963.0	0.28547	Y
4	IC 410-484275/15	20.0	5.913294	50.0	1044012.0	0.295665	Y
5	ICIS 410-484275/16	50.0	13.993992	50.0	1080528.0	0.27988	Y
6	IC 410-484275/17	100.0	30.161269	50.0	1053021.0	0.301613	Y
7	IC 410-484275/18	300.0	83.543856	50.0	1167570.0	0.27848	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

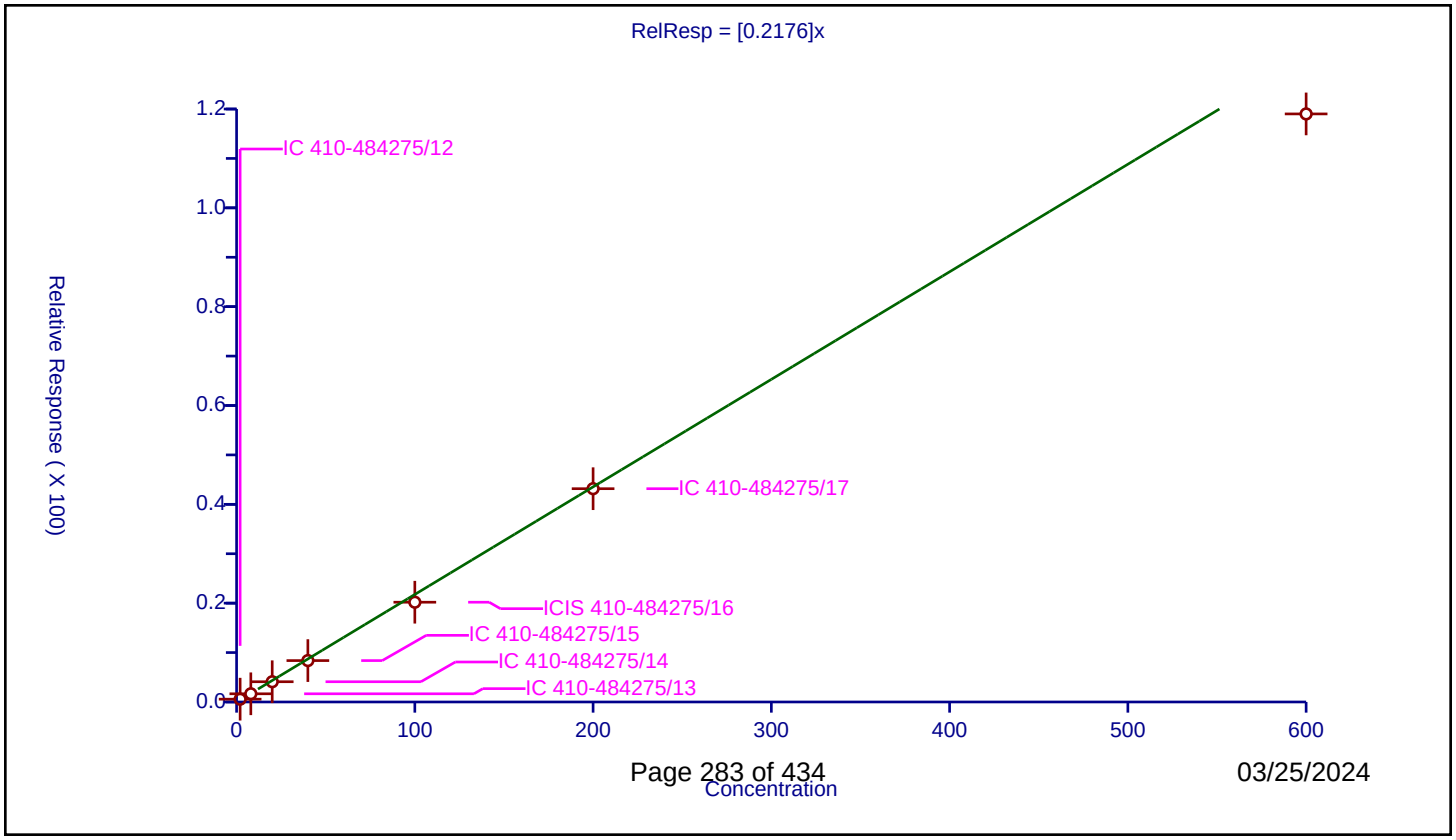
Curve Coefficients

Intercept:	0
Slope:	0.2176

Error Coefficients

Relative Standard Deviation:	14.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	2.0	0.571255	50.0	1045068.0	0.285627	Y
2	IC 410-484275/13	8.0	1.658717	50.0	1084543.0	0.20734	Y
3	IC 410-484275/14	20.0	4.098587	50.0	1095963.0	0.204929	Y
4	IC 410-484275/15	40.0	8.380603	50.0	1044012.0	0.209515	Y
5	ICIS 410-484275/16	100.0	20.190453	50.0	1080528.0	0.201905	Y
6	IC 410-484275/17	200.0	43.164286	50.0	1053021.0	0.215821	Y
7	IC 410-484275/18	600.0	119.005499	50.0	1167570.0	0.198342	Y



Calibration / Propionitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

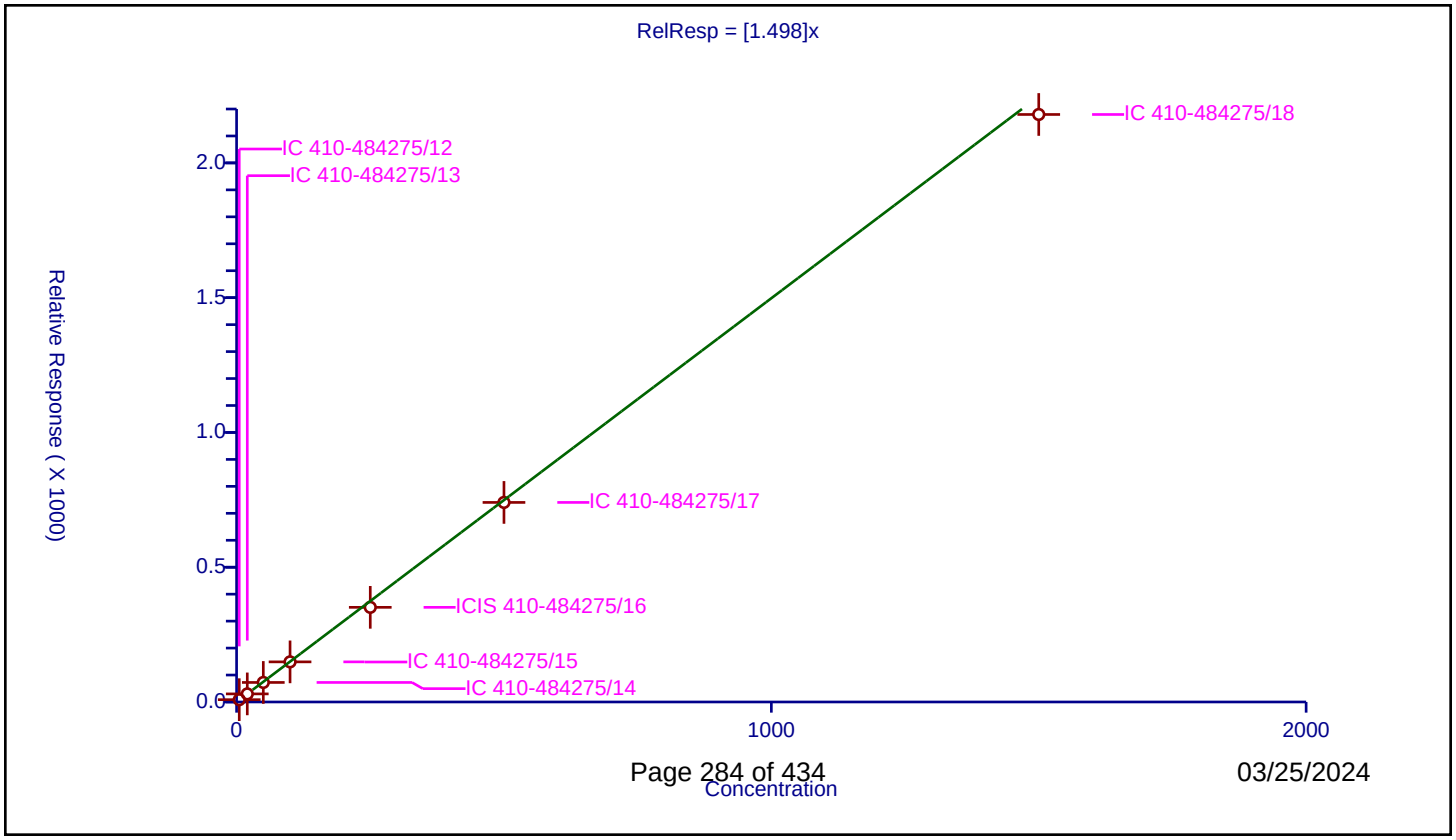
Curve Coefficients

Intercept:	0
Slope:	1.498

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	5.0	8.525768	250.0	208339.0	1.705154	Y
2	IC 410-484275/13	20.0	30.067754	250.0	215929.0	1.503388	Y
3	IC 410-484275/14	50.0	72.507408	250.0	218688.0	1.450148	Y
4	IC 410-484275/15	100.0	148.849248	250.0	214425.0	1.488492	Y
5	ICIS 410-484275/16	250.0	351.127601	250.0	220202.0	1.40451	Y
6	IC 410-484275/17	500.0	740.391875	250.0	219866.0	1.480784	Y
7	IC 410-484275/18	1500.0	2179.732589	250.0	227328.0	1.453155	Y



Calibration / Methyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

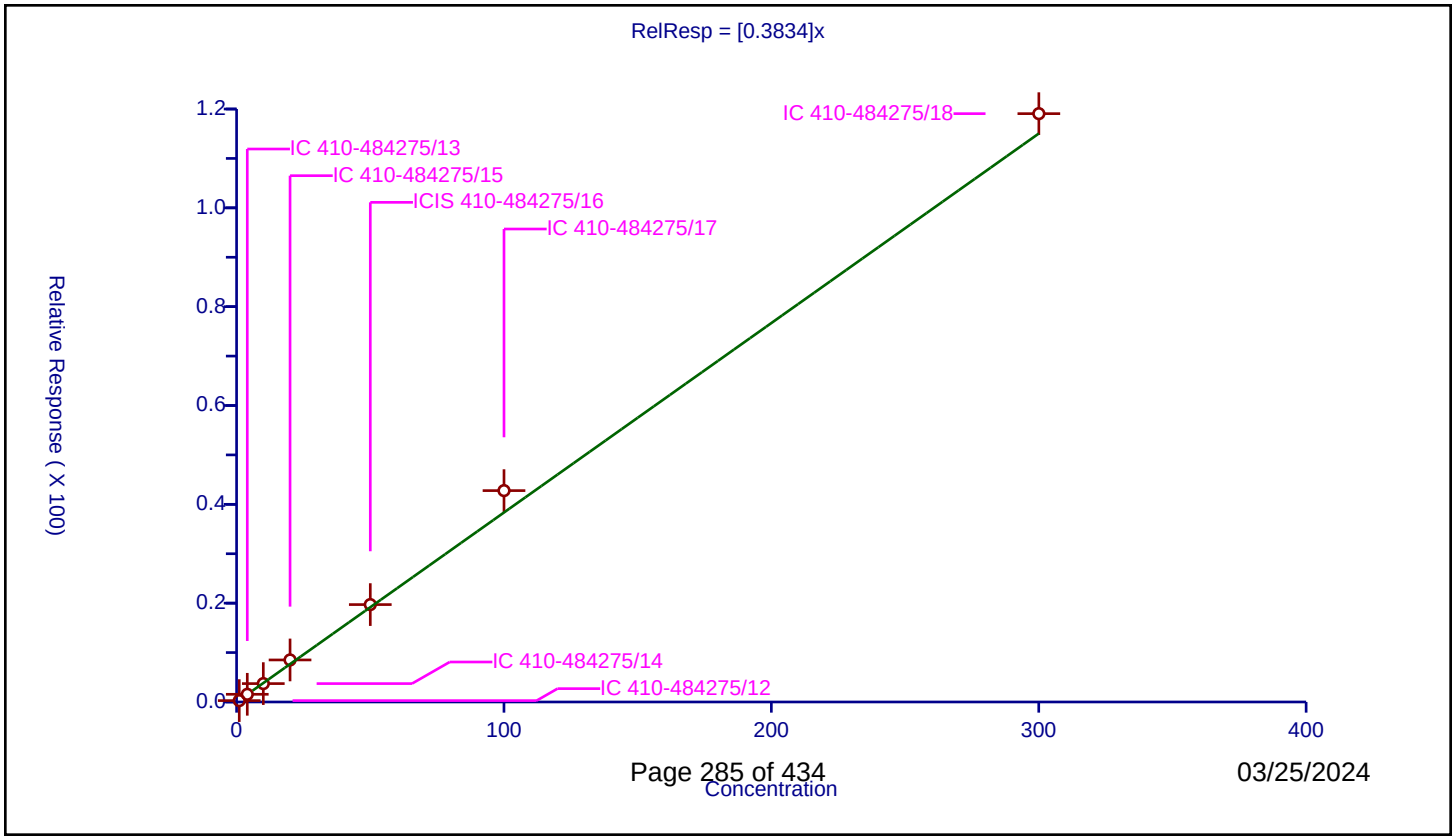
Curve Coefficients

Intercept:	0
Slope:	0.3834

Error Coefficients

Relative Standard Deviation:	13.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.00014	0.279168	50.0	1045068.0	0.279129	Y
2	IC 410-484275/13	4.00056	1.555217	50.0	1084543.0	0.38875	Y
3	IC 410-484275/14	10.0014	3.720929	50.0	1095963.0	0.372041	Y
4	IC 410-484275/15	20.0028	8.508619	50.0	1044012.0	0.425371	Y
5	ICIS 410-484275/16	50.007	19.712492	50.0	1080528.0	0.394195	Y
6	IC 410-484275/17	100.014	42.773269	50.0	1053021.0	0.427673	Y
7	IC 410-484275/18	300.042	119.059885	50.0	1167570.0	0.396811	Y



Calibration / Methacrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

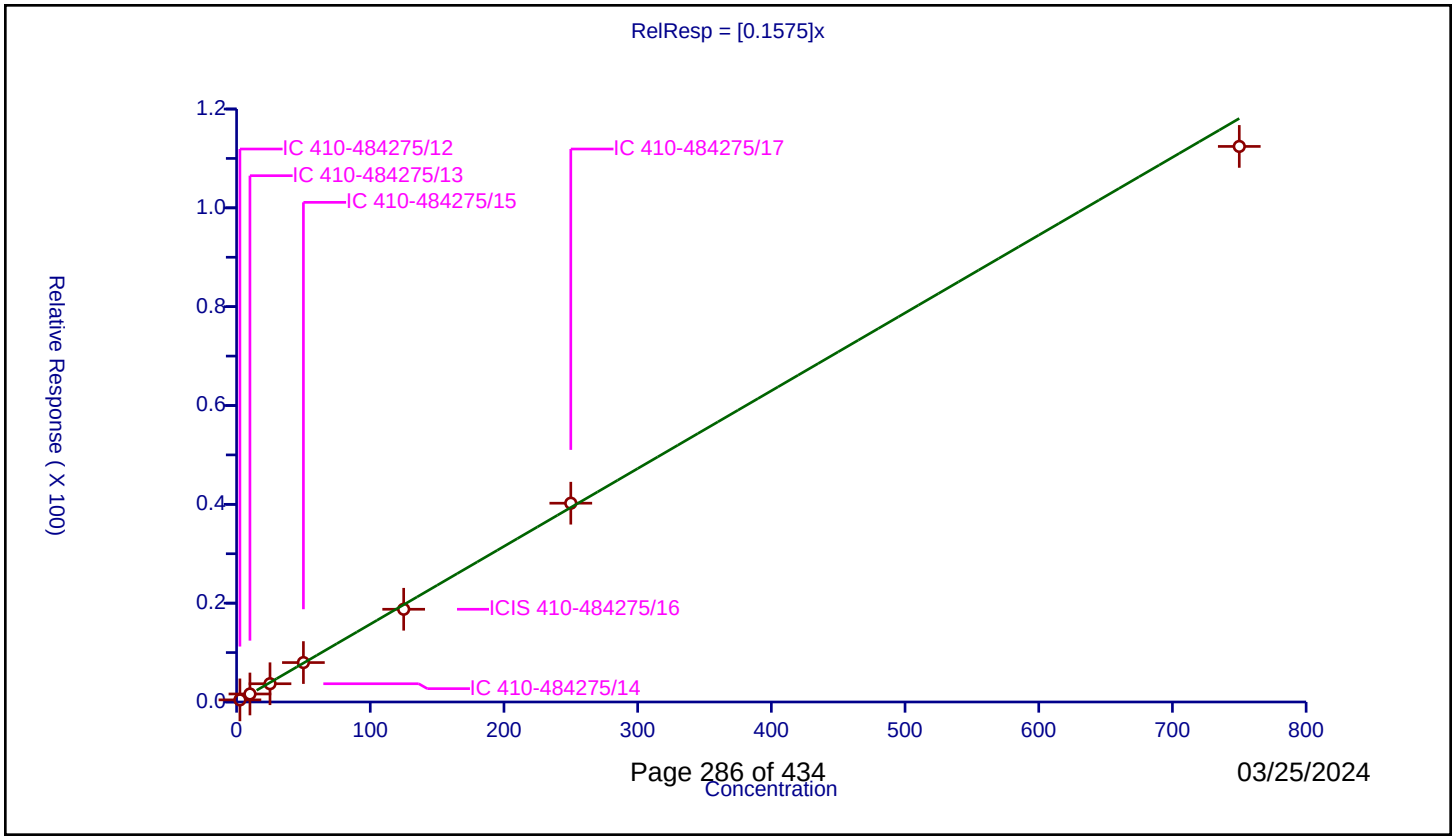
Curve Coefficients

Intercept:	0
Slope:	0.1575

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	2.5	0.429063	50.0	1045068.0	0.171625	Y
2	IC 410-484275/13	10.0	1.622158	50.0	1084543.0	0.162216	Y
3	IC 410-484275/14	25.0	3.694012	50.0	1095963.0	0.14776	Y
4	IC 410-484275/15	50.0	7.980703	50.0	1044012.0	0.159614	Y
5	ICIS 410-484275/16	125.0	18.76763	50.0	1080528.0	0.150141	Y
6	IC 410-484275/17	250.0	40.228922	50.0	1053021.0	0.160916	Y
7	IC 410-484275/18	750.0	112.42675	50.0	1167570.0	0.149902	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

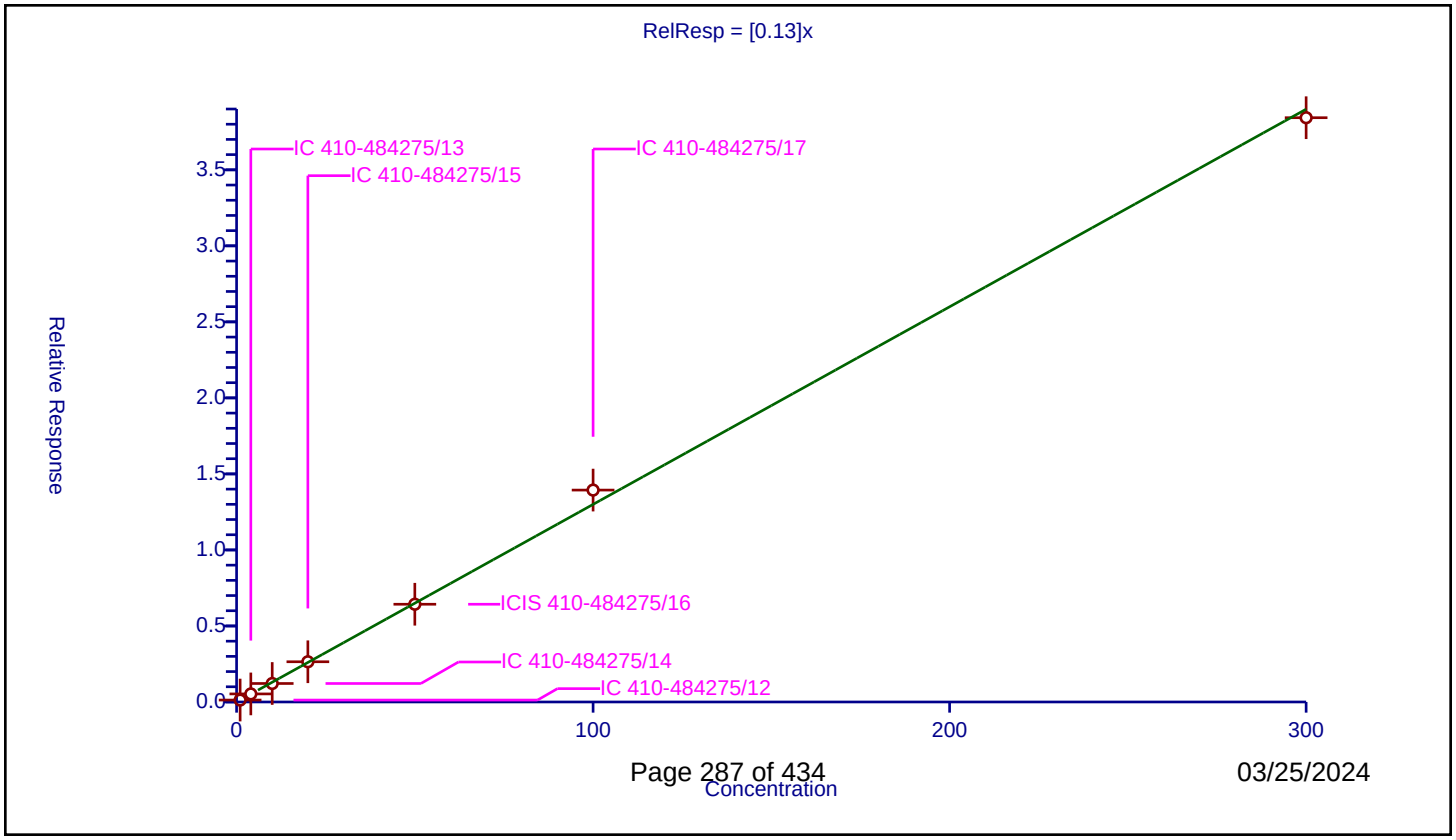
Curve Coefficients

Intercept:	0
Slope:	0.13

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.127408	50.0	1045068.0	0.127408	Y
2	IC 410-484275/13	4.0	0.529855	50.0	1084543.0	0.132464	Y
3	IC 410-484275/14	10.0	1.215461	50.0	1095963.0	0.121546	Y
4	IC 410-484275/15	20.0	2.645516	50.0	1044012.0	0.132276	Y
5	ICIS 410-484275/16	50.0	6.428061	50.0	1080528.0	0.128561	Y
6	IC 410-484275/17	100.0	13.936949	50.0	1053021.0	0.139369	Y
7	IC 410-484275/18	300.0	38.42776	50.0	1167570.0	0.128093	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

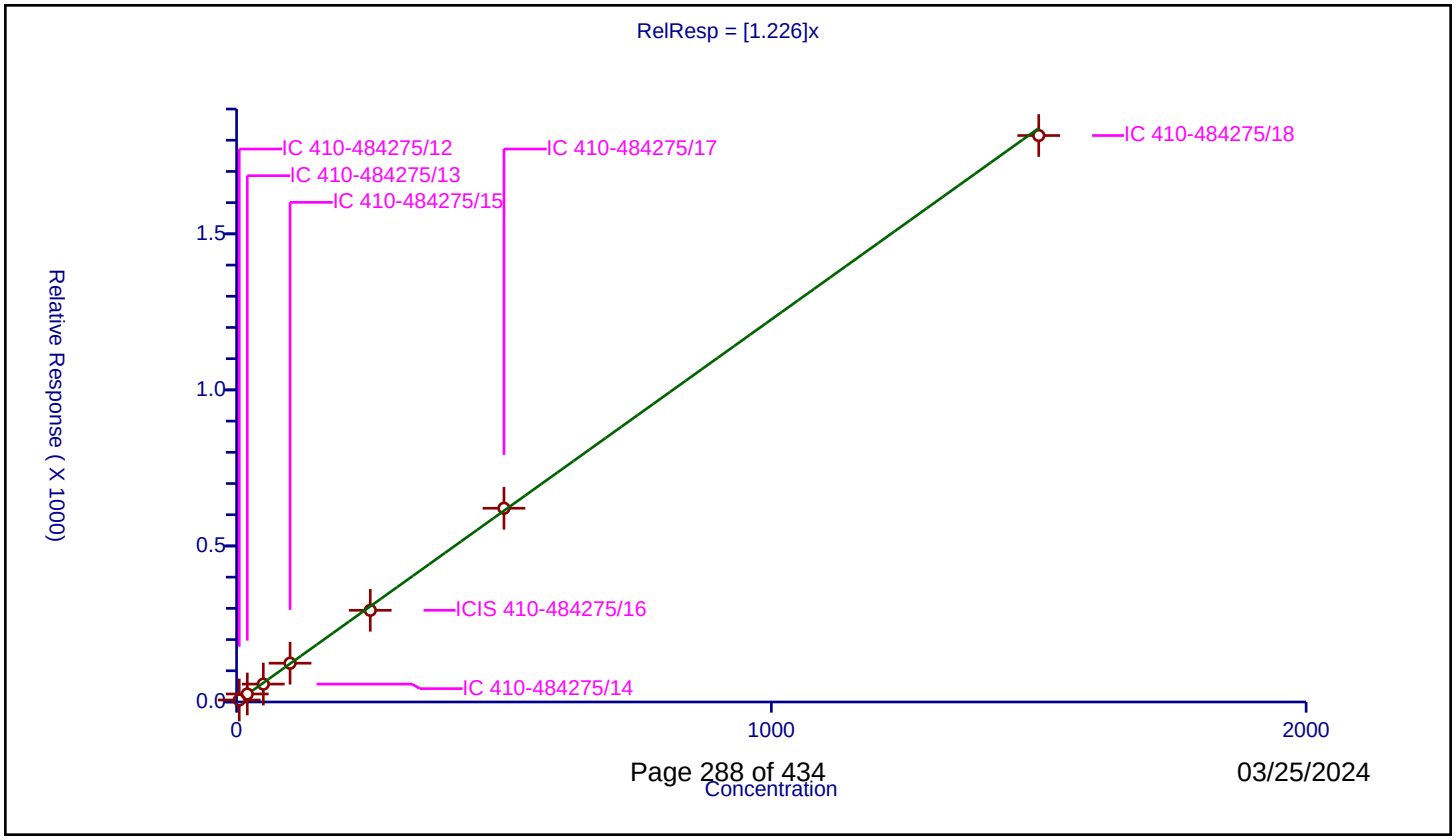
Curve Coefficients

Intercept:	0
Slope:	1.226

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	5.0	6.387426	250.0	208339.0	1.277485	Y
2	IC 410-484275/13	20.0	25.708682	250.0	215929.0	1.285434	Y
3	IC 410-484275/14	50.0	57.349969	250.0	218688.0	1.146999	Y
4	IC 410-484275/15	100.0	124.242742	250.0	214425.0	1.242427	Y
5	ICIS 410-484275/16	250.0	293.839293	250.0	220202.0	1.175357	Y
6	IC 410-484275/17	500.0	620.842923	250.0	219866.0	1.241686	Y
7	IC 410-484275/18	1500.0	1815.075574	250.0	227328.0	1.21005	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

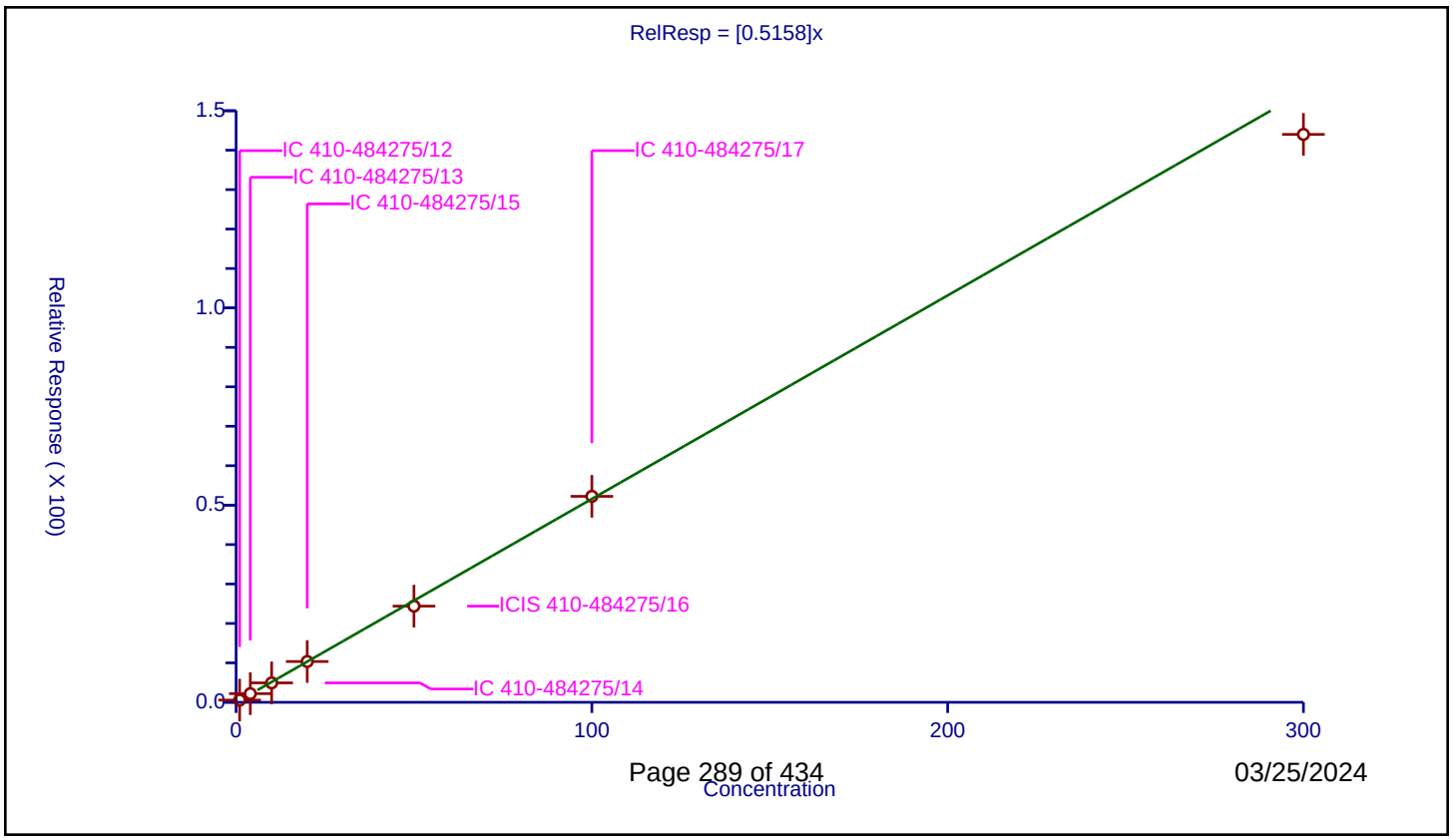
Curve Coefficients

Intercept:	0
Slope:	0.5158

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.562547	50.0	1045068.0	0.562547	Y
2	IC 410-484275/13	4.0	2.19309	50.0	1084543.0	0.548272	Y
3	IC 410-484275/14	10.0	4.925258	50.0	1095963.0	0.492526	Y
4	IC 410-484275/15	20.0	10.345092	50.0	1044012.0	0.517255	Y
5	ICIS 410-484275/16	50.0	24.391501	50.0	1080528.0	0.48783	Y
6	IC 410-484275/17	100.0	52.228161	50.0	1053021.0	0.522282	Y
7	IC 410-484275/18	300.0	144.001259	50.0	1167570.0	0.480004	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

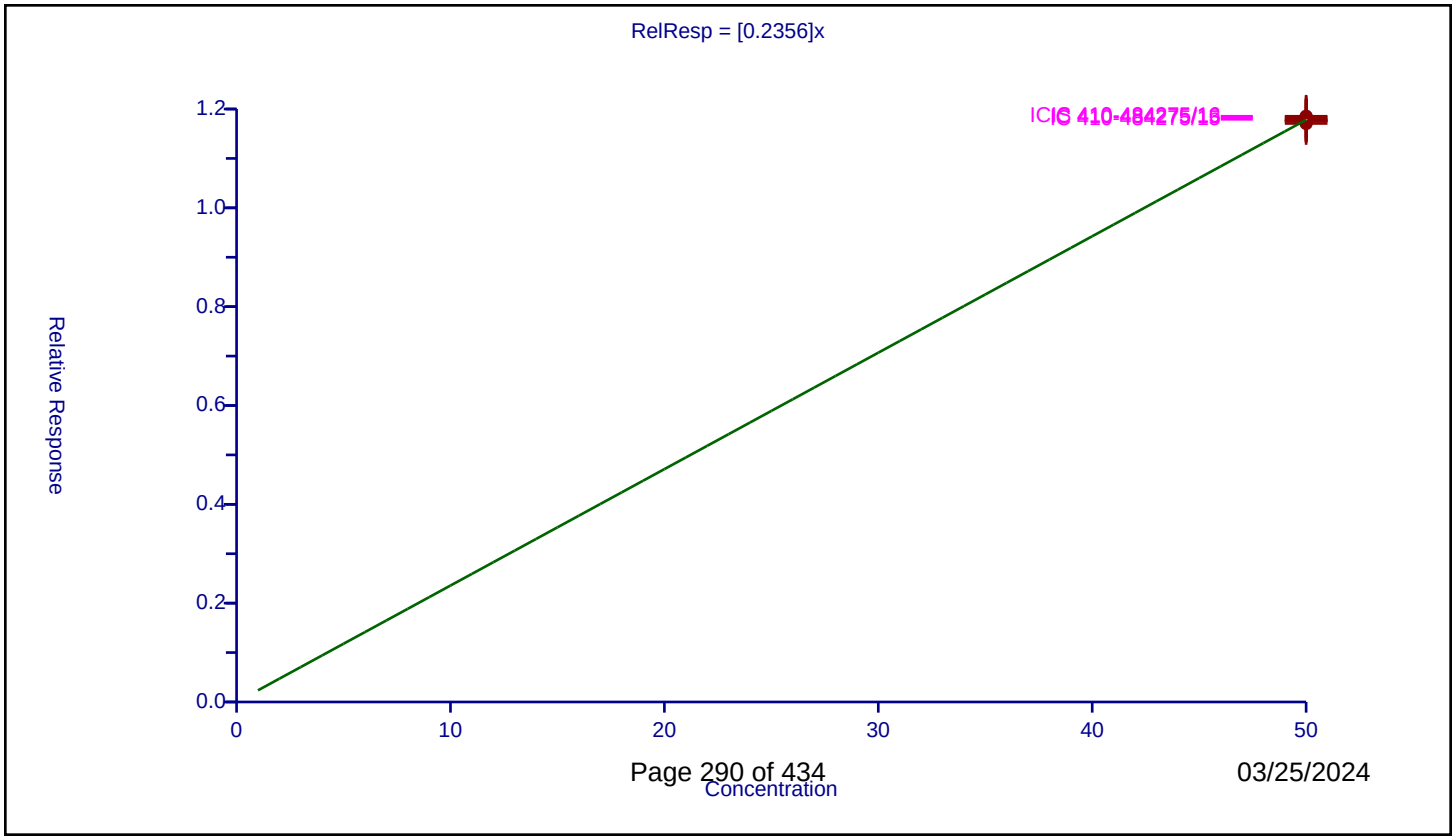
Curve Coefficients

Intercept:	0
Slope:	0.2356

Error Coefficients

Relative Standard Deviation:	0.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	50.0	11.760287	50.0	1045068.0	0.235206	Y
2	IC 410-484275/13	50.0	11.82641	50.0	1084543.0	0.236528	Y
3	IC 410-484275/14	50.0	11.707466	50.0	1095963.0	0.234149	Y
4	IC 410-484275/15	50.0	11.792489	50.0	1044012.0	0.23585	Y
5	ICIS 410-484275/16	50.0	11.853418	50.0	1080528.0	0.237068	Y
6	IC 410-484275/17	50.0	11.771798	50.0	1053021.0	0.235436	Y
7	IC 410-484275/18	50.0	11.754113	50.0	1167570.0	0.235082	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

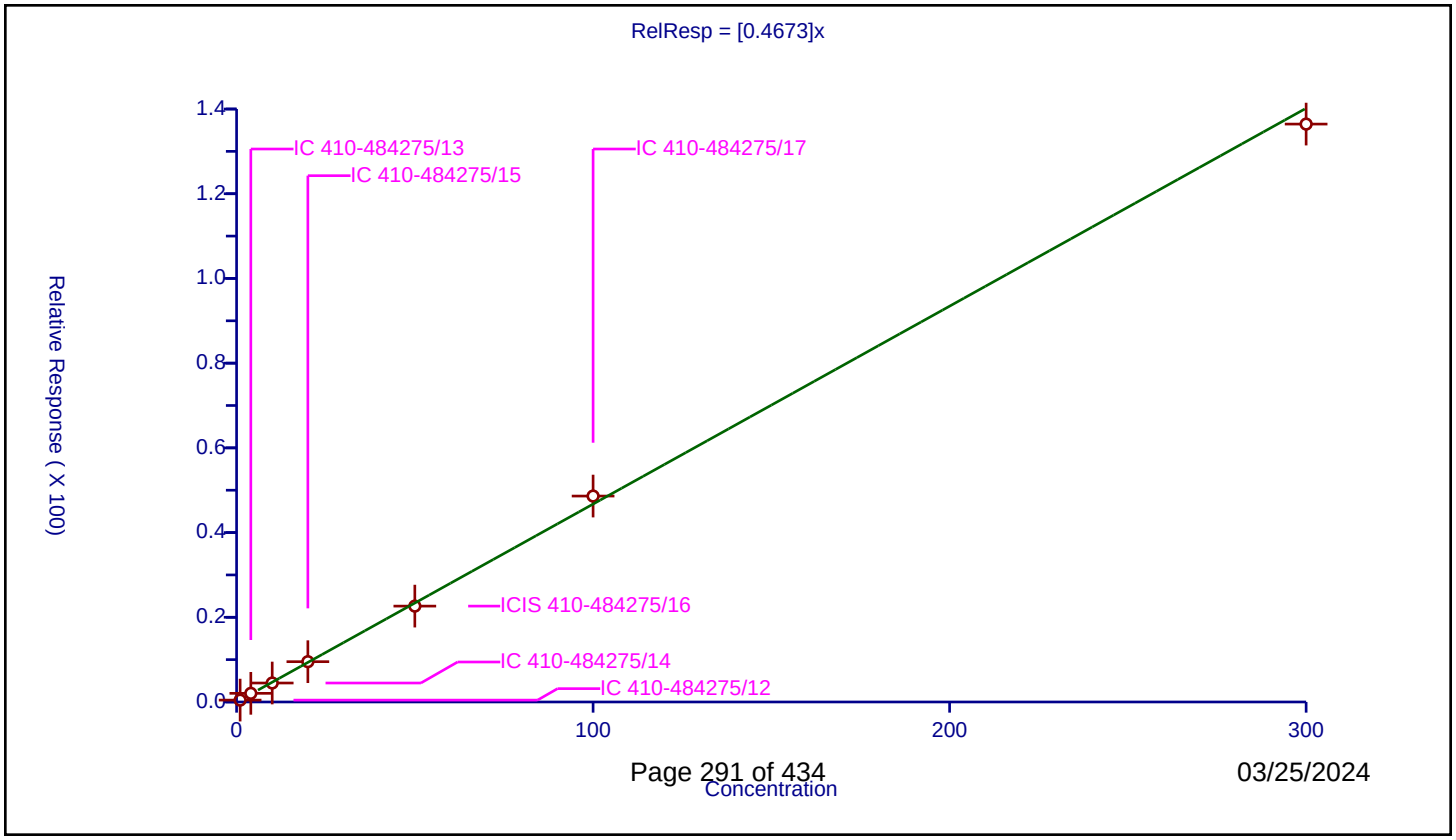
Curve Coefficients

Intercept:	0
Slope:	0.4673

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.442698	50.0	1045068.0	0.442698	Y
2	IC 410-484275/13	4.0	2.042658	50.0	1084543.0	0.510664	Y
3	IC 410-484275/14	10.0	4.478436	50.0	1095963.0	0.447844	Y
4	IC 410-484275/15	20.0	9.517755	50.0	1044012.0	0.475888	Y
5	ICIS 410-484275/16	50.0	22.637451	50.0	1080528.0	0.452749	Y
6	IC 410-484275/17	100.0	48.619923	50.0	1053021.0	0.486199	Y
7	IC 410-484275/18	300.0	136.44471	50.0	1167570.0	0.454816	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

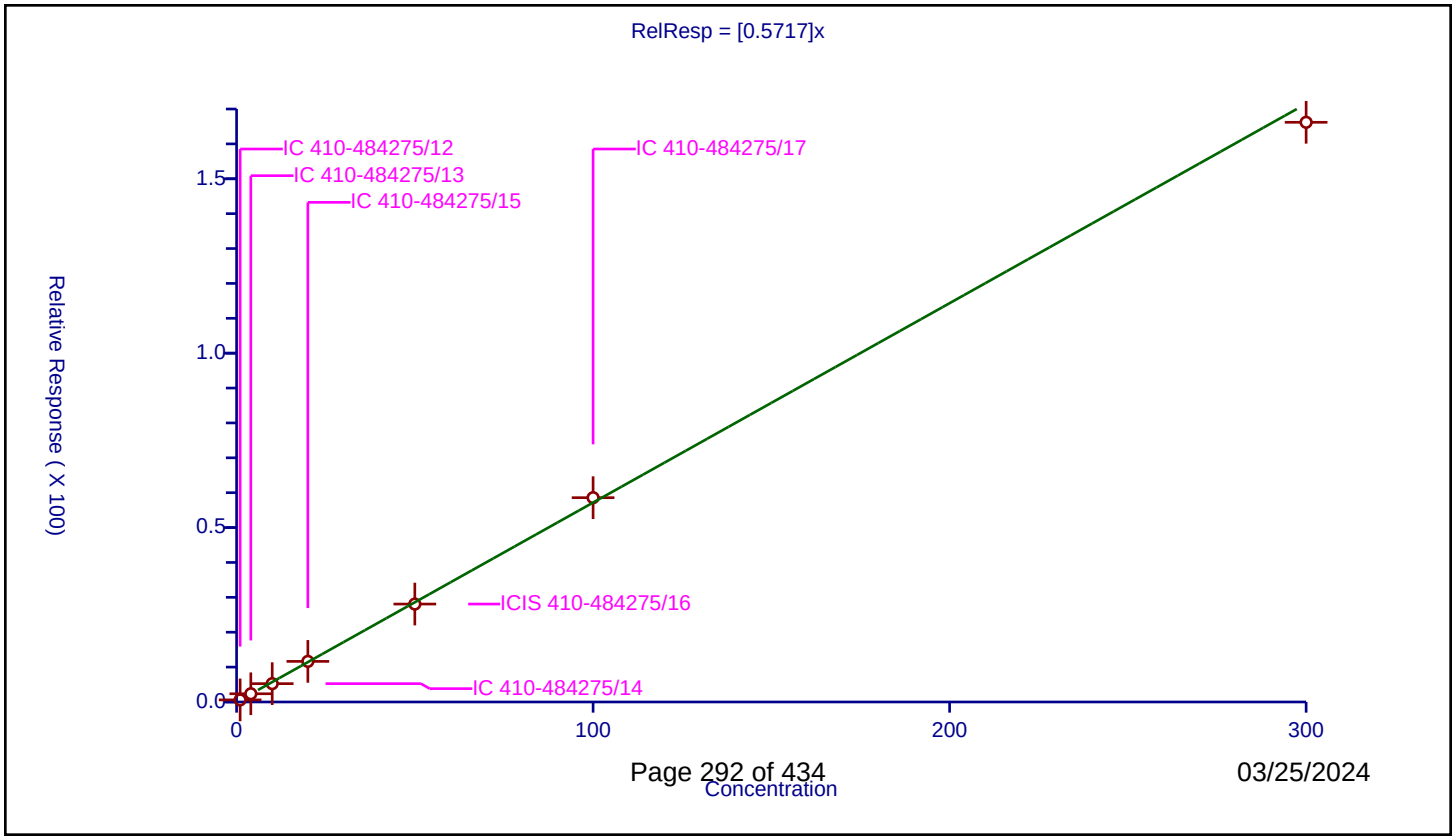
Curve Coefficients

Intercept:	0
Slope:	0.5717

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.602305	50.0	1045068.0	0.602305	Y
2	IC 410-484275/13	4.0	2.361271	50.0	1084543.0	0.590318	Y
3	IC 410-484275/14	10.0	5.2588	50.0	1095963.0	0.52588	Y
4	IC 410-484275/15	20.0	11.637175	50.0	1044012.0	0.581859	Y
5	ICIS 410-484275/16	50.0	28.078819	50.0	1080528.0	0.561576	Y
6	IC 410-484275/17	100.0	58.570864	50.0	1053021.0	0.585709	Y
7	IC 410-484275/18	300.0	166.195603	50.0	1167570.0	0.553985	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

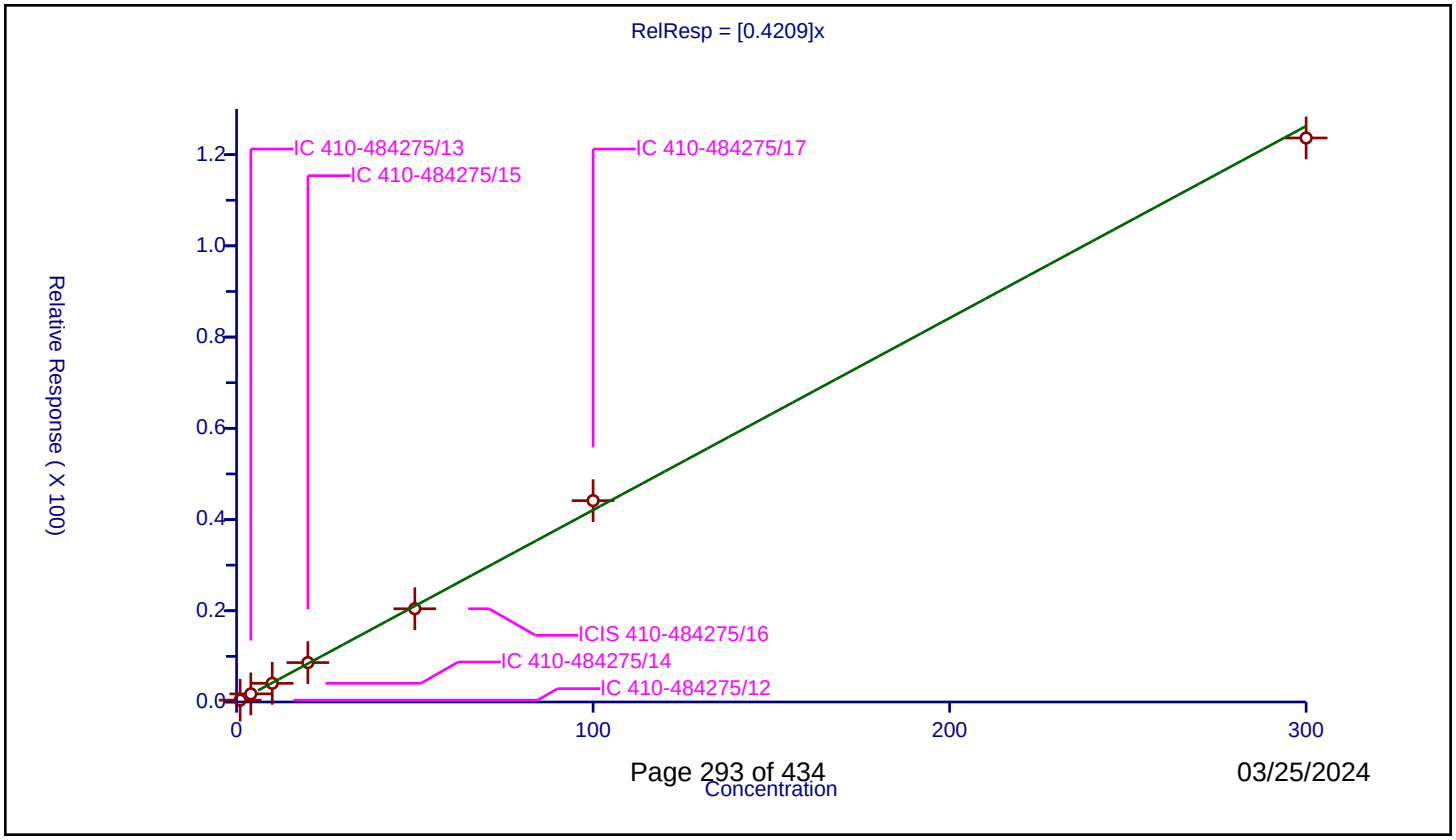
Curve Coefficients

Intercept:	0
Slope:	0.4209

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.397725	50.0	1045068.0	0.397725	Y
2	IC 410-484275/13	4.0	1.780197	50.0	1084543.0	0.445049	Y
3	IC 410-484275/14	10.0	4.088733	50.0	1095963.0	0.408873	Y
4	IC 410-484275/15	20.0	8.639604	50.0	1044012.0	0.43198	Y
5	ICIS 410-484275/16	50.0	20.440933	50.0	1080528.0	0.408819	Y
6	IC 410-484275/17	100.0	44.139196	50.0	1053021.0	0.441392	Y
7	IC 410-484275/18	300.0	123.652543	50.0	1167570.0	0.412175	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

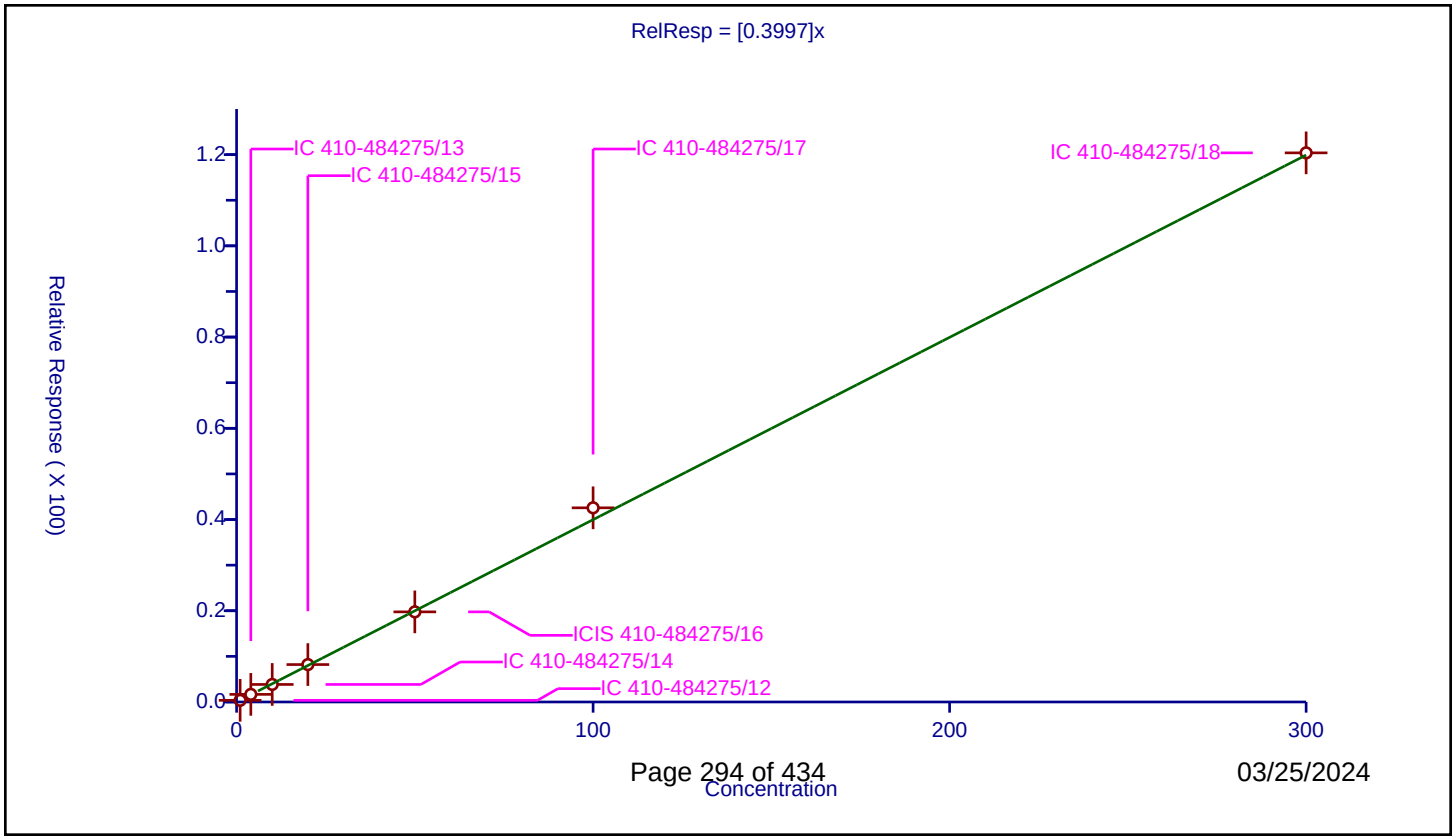
Curve Coefficients

Intercept:	0
Slope:	0.3997

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.363613	50.0	1045068.0	0.363613	Y
2	IC 410-484275/13	4.0	1.670704	50.0	1084543.0	0.417676	Y
3	IC 410-484275/14	10.0	3.844017	50.0	1095963.0	0.384402	Y
4	IC 410-484275/15	20.0	8.202923	50.0	1044012.0	0.410146	Y
5	ICIS 410-484275/16	50.0	19.755157	50.0	1080528.0	0.395103	Y
6	IC 410-484275/17	100.0	42.569569	50.0	1053021.0	0.425696	Y
7	IC 410-484275/18	300.0	120.38987	50.0	1167570.0	0.4013	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

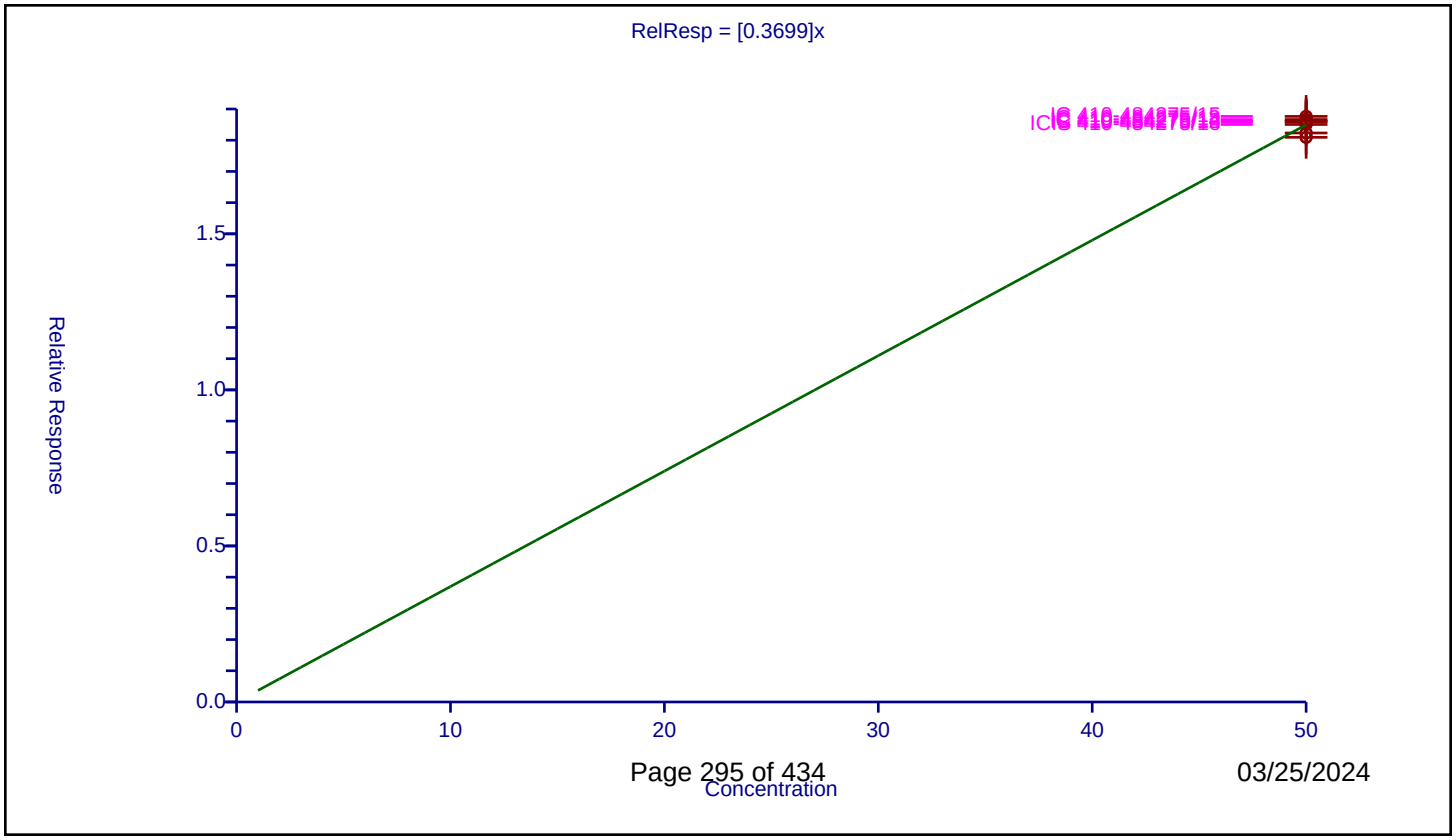
Curve Coefficients

Intercept:	0
Slope:	0.3699

Error Coefficients

Relative Standard Deviation:	1.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	50.0	18.588408	50.0	1045068.0	0.371768	Y
2	IC 410-484275/13	50.0	18.663621	50.0	1084543.0	0.373272	Y
3	IC 410-484275/14	50.0	18.61144	50.0	1095963.0	0.372229	Y
4	IC 410-484275/15	50.0	18.763625	50.0	1044012.0	0.375273	Y
5	ICIS 410-484275/16	50.0	18.504796	50.0	1080528.0	0.370096	Y
6	IC 410-484275/17	50.0	18.231545	50.0	1053021.0	0.364631	Y
7	IC 410-484275/18	50.0	18.092534	50.0	1167570.0	0.361851	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

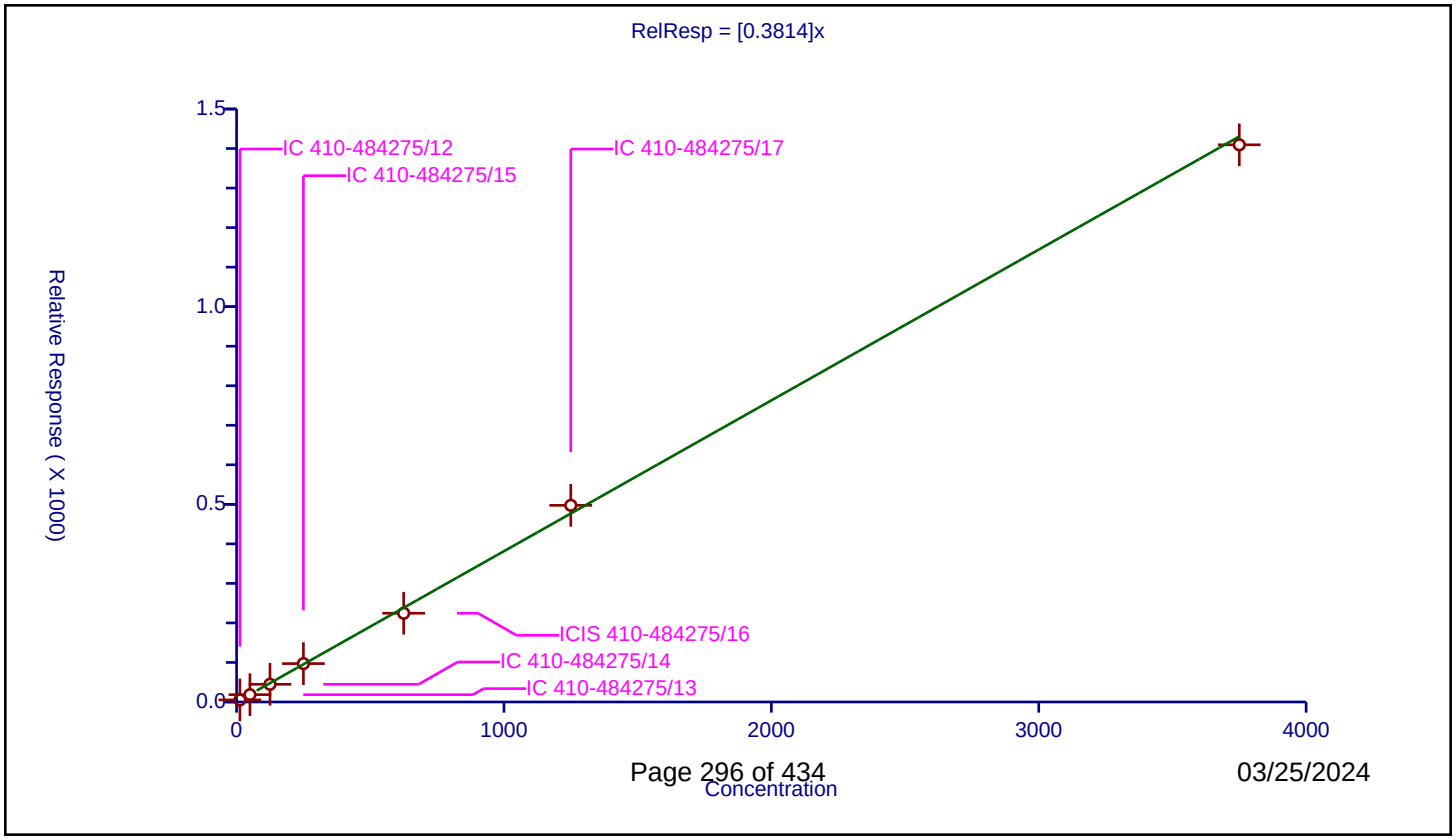
Curve Coefficients

Intercept:	0
Slope:	0.3814

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	12.5	5.252257	250.0	208339.0	0.420181	Y
2	IC 410-484275/13	50.0	18.516503	250.0	215929.0	0.37033	Y
3	IC 410-484275/14	125.0	44.765831	250.0	218688.0	0.358127	Y
4	IC 410-484275/15	250.0	97.102717	250.0	214425.0	0.388411	Y
5	ICIS 410-484275/16	625.0	224.51658	250.0	220202.0	0.359227	Y
6	IC 410-484275/17	1250.0	497.484832	250.0	219866.0	0.397988	Y
7	IC 410-484275/18	3750.0	1409.501909	250.0	227328.0	0.375867	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

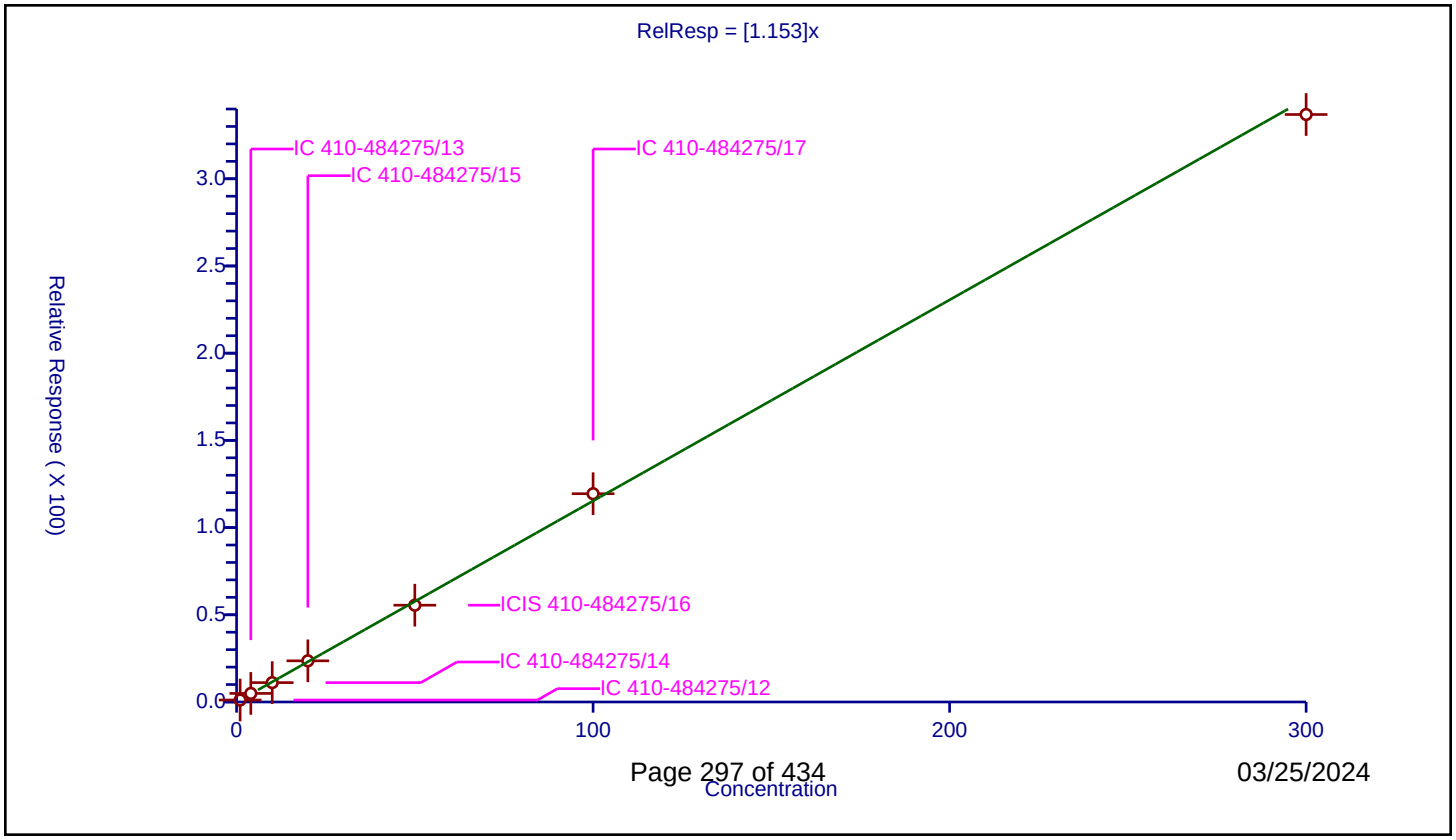
Curve Coefficients

Intercept:	0
Slope:	1.153

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	1.123802	50.0	1045068.0	1.123802	Y
2	IC 410-484275/13	4.0	4.913544	50.0	1084543.0	1.228386	Y
3	IC 410-484275/14	10.0	11.102017	50.0	1095963.0	1.110202	Y
4	IC 410-484275/15	20.0	23.600495	50.0	1044012.0	1.180025	Y
5	ICIS 410-484275/16	50.0	55.500644	50.0	1080528.0	1.110013	Y
6	IC 410-484275/17	100.0	119.417656	50.0	1053021.0	1.194177	Y
7	IC 410-484275/18	300.0	336.853551	50.0	1167570.0	1.122845	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

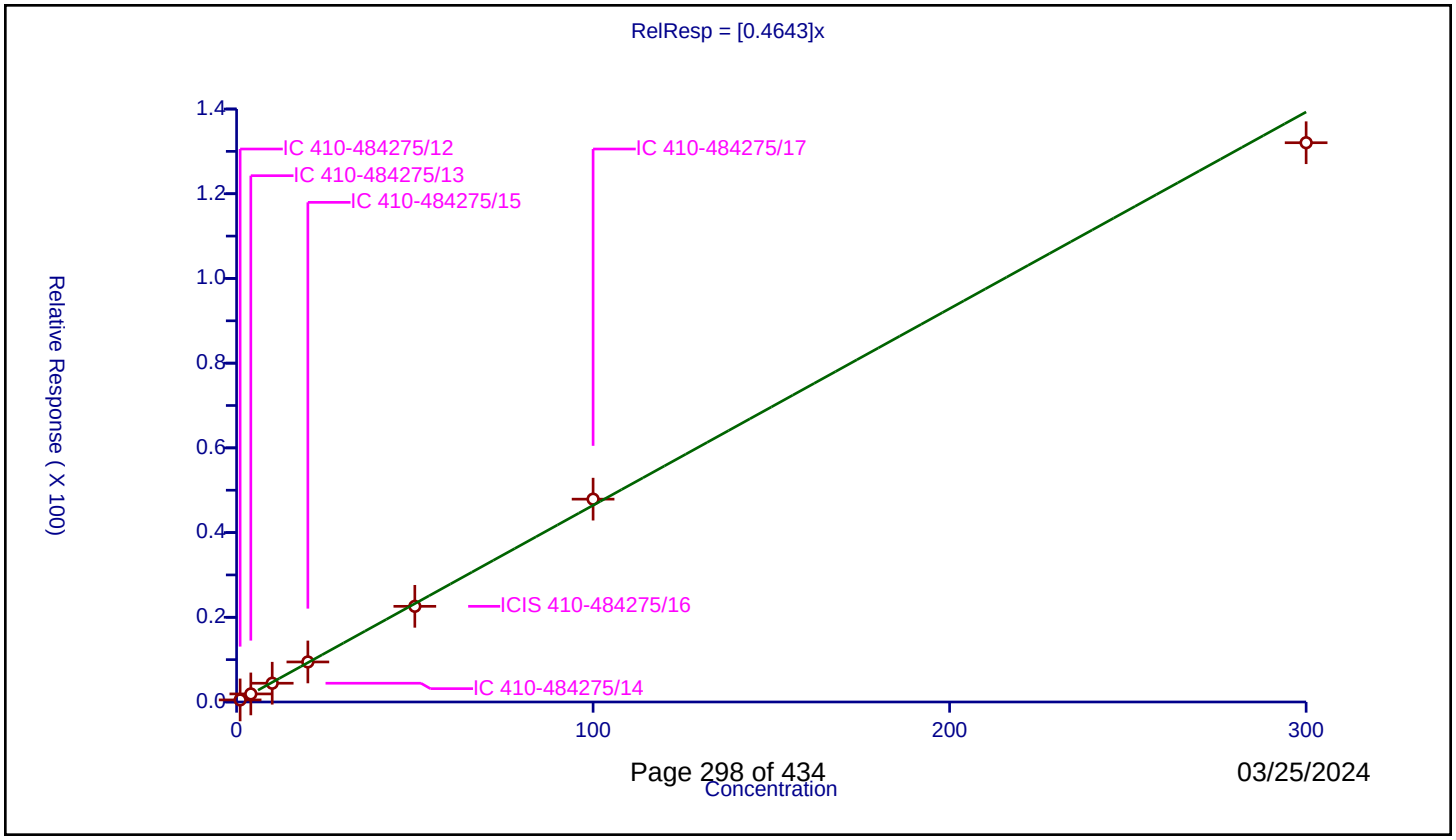
Curve Coefficients

Intercept:	0
Slope:	0.4643

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.487624	50.0	1045068.0	0.487624	Y
2	IC 410-484275/13	4.0	1.905365	50.0	1084543.0	0.476341	Y
3	IC 410-484275/14	10.0	4.429301	50.0	1095963.0	0.44293	Y
4	IC 410-484275/15	20.0	9.455016	50.0	1044012.0	0.472751	Y
5	ICIS 410-484275/16	50.0	22.588586	50.0	1080528.0	0.451772	Y
6	IC 410-484275/17	100.0	47.888171	50.0	1053021.0	0.478882	Y
7	IC 410-484275/18	300.0	132.039492	50.0	1167570.0	0.440132	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

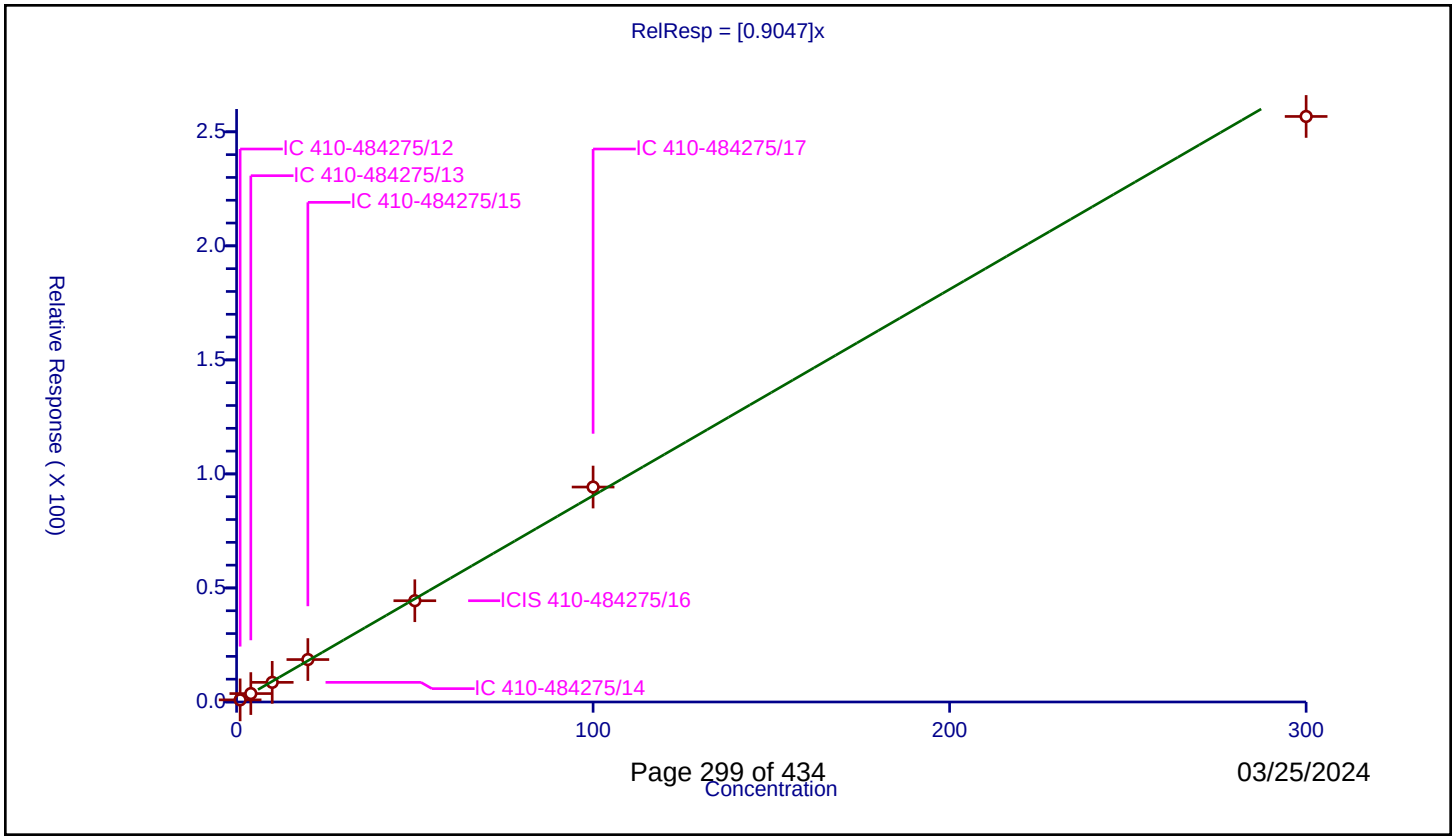
Curve Coefficients

Intercept:	0
Slope:	0.9047

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.934006	50.0	1045068.0	0.934006	Y
2	IC 410-484275/13	4.0	3.685792	50.0	1084543.0	0.921448	Y
3	IC 410-484275/14	10.0	8.606404	50.0	1095963.0	0.86064	Y
4	IC 410-484275/15	20.0	18.60606	50.0	1044012.0	0.930303	Y
5	ICIS 410-484275/16	50.0	44.396952	50.0	1080528.0	0.887939	Y
6	IC 410-484275/17	100.0	94.245271	50.0	1053021.0	0.942453	Y
7	IC 410-484275/18	300.0	256.740966	50.0	1167570.0	0.855803	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

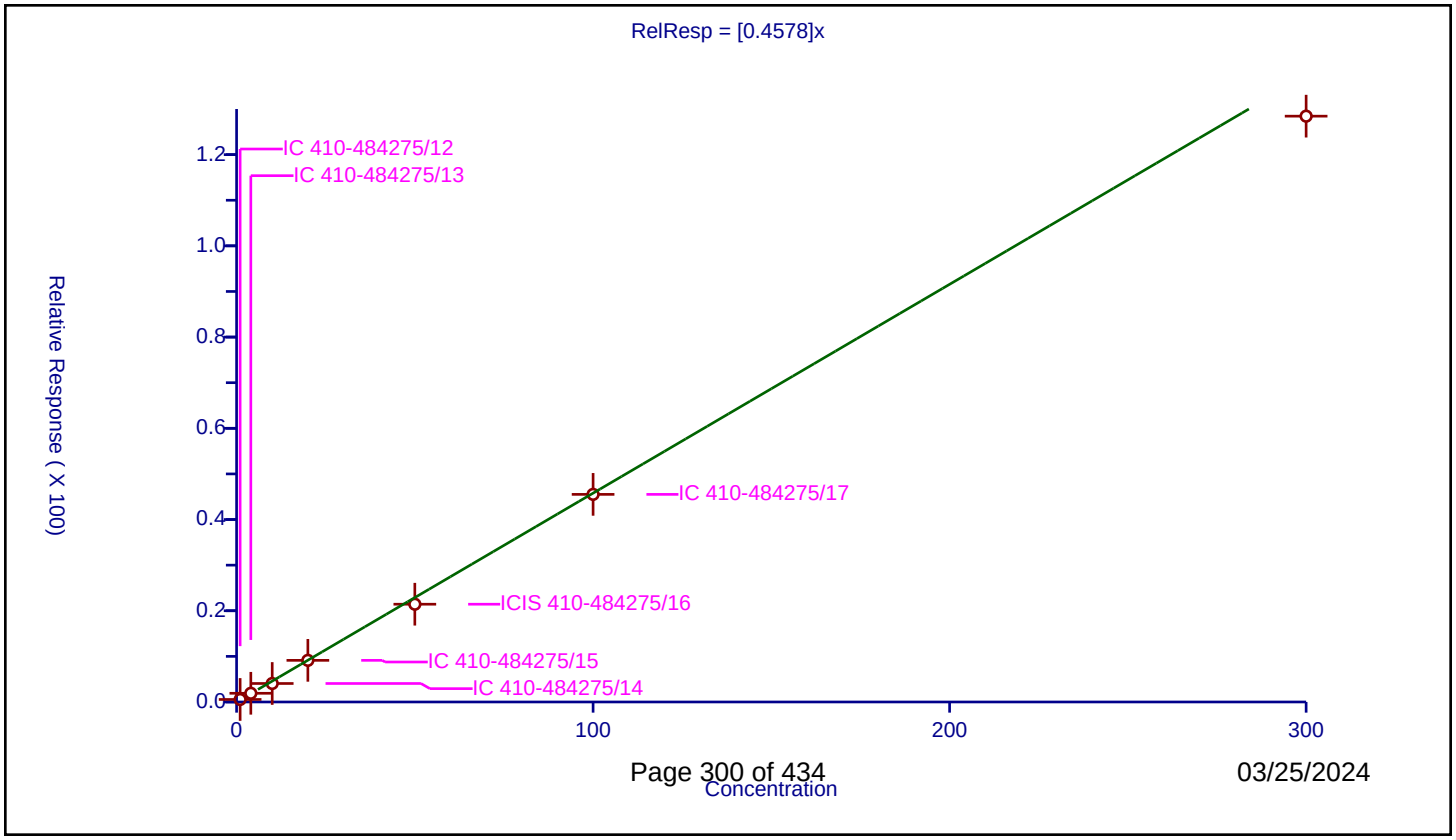
Curve Coefficients

Intercept:	0
Slope:	0.4578

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.553648	50.0	1045068.0	0.553648	Y
2	IC 410-484275/13	4.0	1.909053	50.0	1084543.0	0.477263	Y
3	IC 410-484275/14	10.0	4.055703	50.0	1095963.0	0.40557	Y
4	IC 410-484275/15	20.0	9.127481	50.0	1044012.0	0.456374	Y
5	ICIS 410-484275/16	50.0	21.436881	50.0	1080528.0	0.428738	Y
6	IC 410-484275/17	100.0	45.517183	50.0	1053021.0	0.455172	Y
7	IC 410-484275/18	300.0	128.435254	50.0	1167570.0	0.428118	Y



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

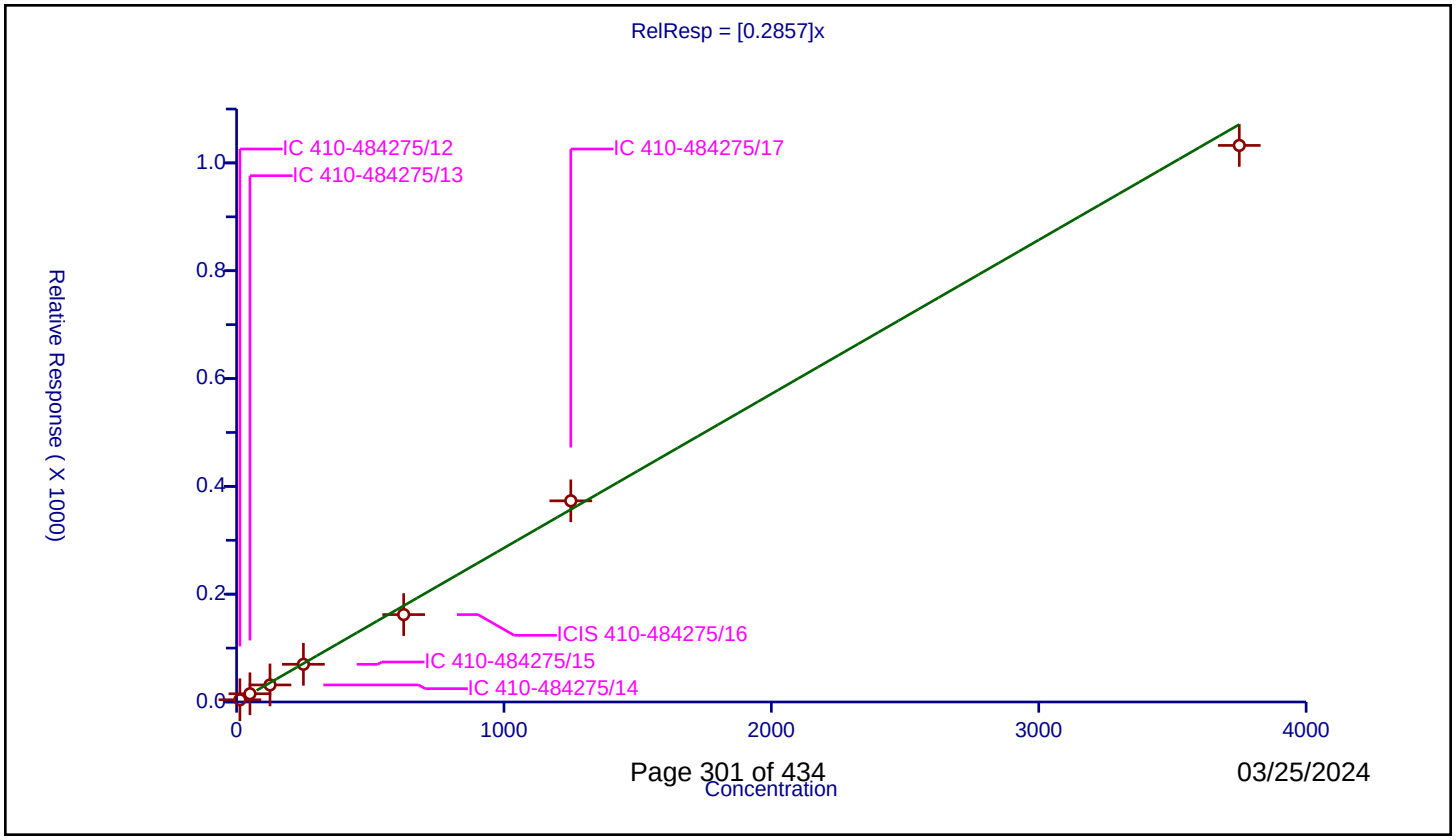
Curve Coefficients

Intercept:	0
Slope:	0.2857

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	12.5	4.111088	250.0	208339.0	0.328887	Y
2	IC 410-484275/13	50.0	15.245752	250.0	215929.0	0.304915	Y
3	IC 410-484275/14	125.0	31.64897	250.0	218688.0	0.253192	Y
4	IC 410-484275/15	250.0	69.902064	250.0	214425.0	0.279608	Y
5	ICIS 410-484275/16	625.0	162.145439	250.0	220202.0	0.259433	Y
6	IC 410-484275/17	1250.0	373.15001	250.0	219866.0	0.29852	Y
7	IC 410-484275/18	3750.0	1032.472903	250.0	227328.0	0.275326	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

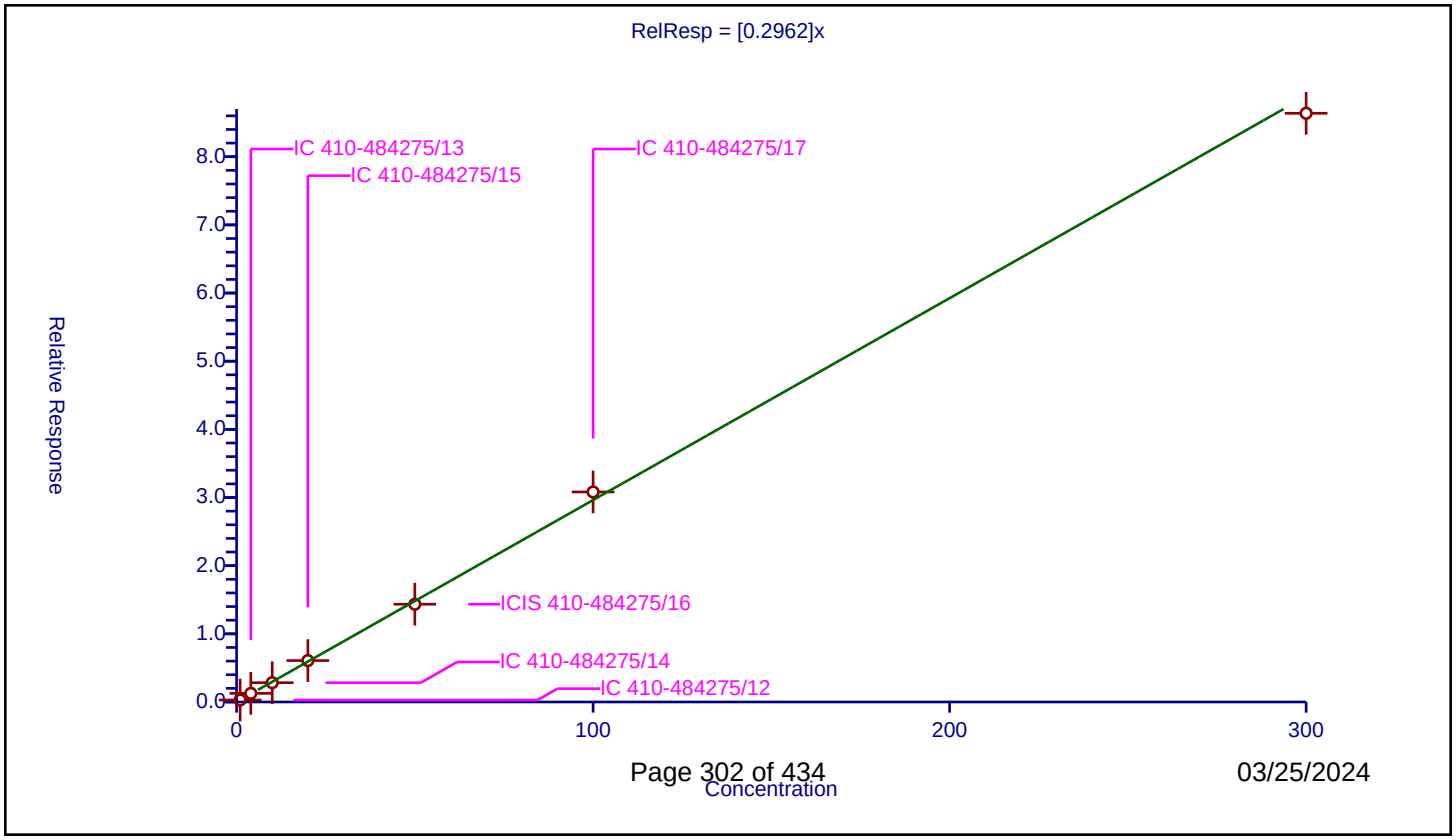
Curve Coefficients

Intercept:	0
Slope:	0.2962

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.287063	50.0	1045068.0	0.287063	Y
2	IC 410-484275/13	4.0	1.266939	50.0	1084543.0	0.316735	Y
3	IC 410-484275/14	10.0	2.829977	50.0	1095963.0	0.282998	Y
4	IC 410-484275/15	20.0	6.078187	50.0	1044012.0	0.303909	Y
5	ICIS 410-484275/16	50.0	14.343589	50.0	1080528.0	0.286872	Y
6	IC 410-484275/17	100.0	30.8161	50.0	1053021.0	0.308161	Y
7	IC 410-484275/18	300.0	86.375207	50.0	1167570.0	0.287917	Y



Calibration / Ethyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

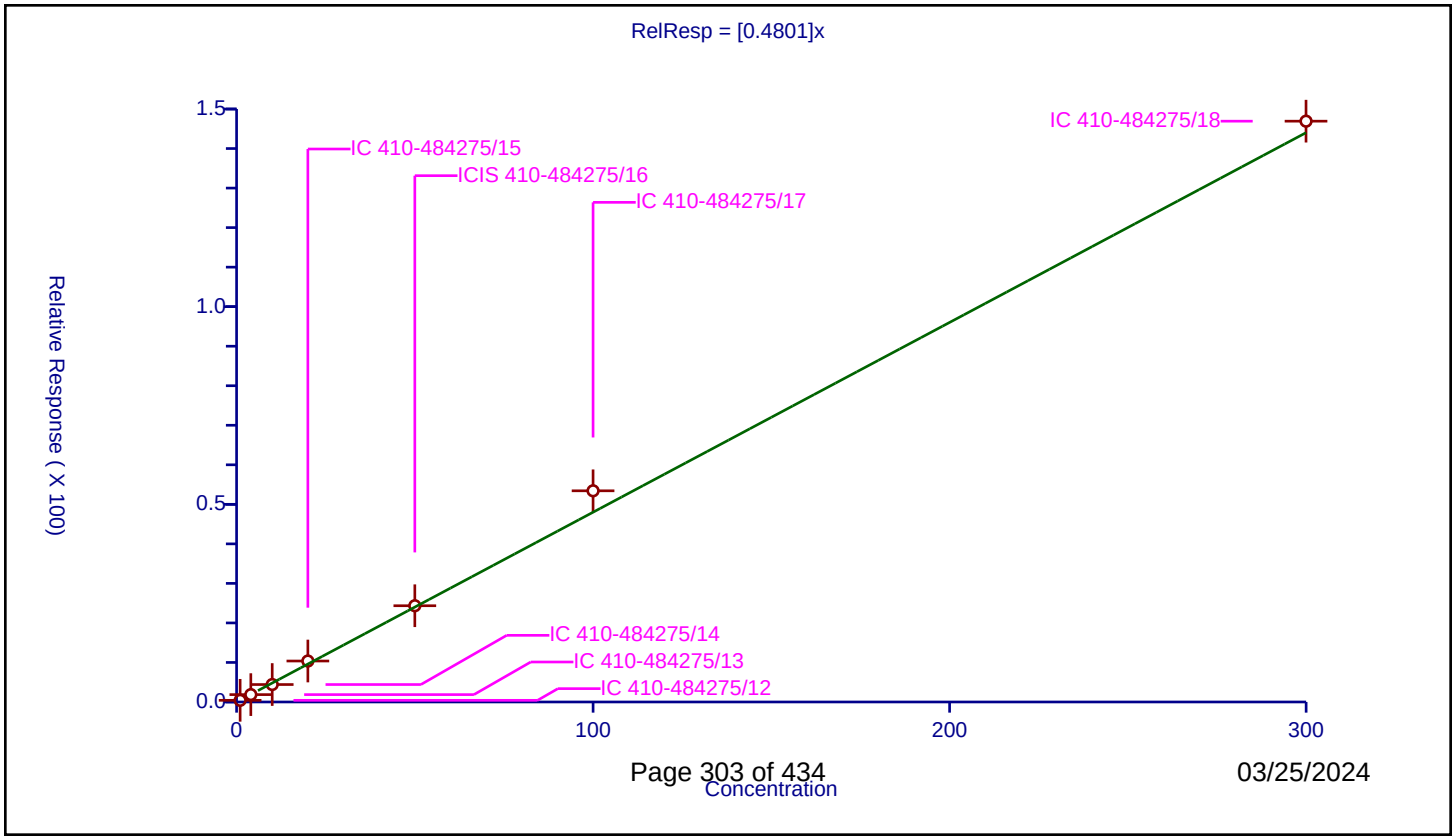
Curve Coefficients

Intercept:	0
Slope:	0.4801

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	0.999919	0.422365	50.0	1045068.0	0.422399	Y
2	IC 410-484275/13	3.999676	1.86816	50.0	1084543.0	0.467078	Y
3	IC 410-484275/14	9.99919	4.416846	50.0	1095963.0	0.44172	Y
4	IC 410-484275/15	19.99838	10.363195	50.0	1044012.0	0.518202	Y
5	ICIS 410-484275/16	49.99595	24.350503	50.0	1080528.0	0.48705	Y
6	IC 410-484275/17	99.9919	53.422059	50.0	1053021.0	0.534264	Y
7	IC 410-484275/18	299.9757	146.924895	50.0	1167570.0	0.489789	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

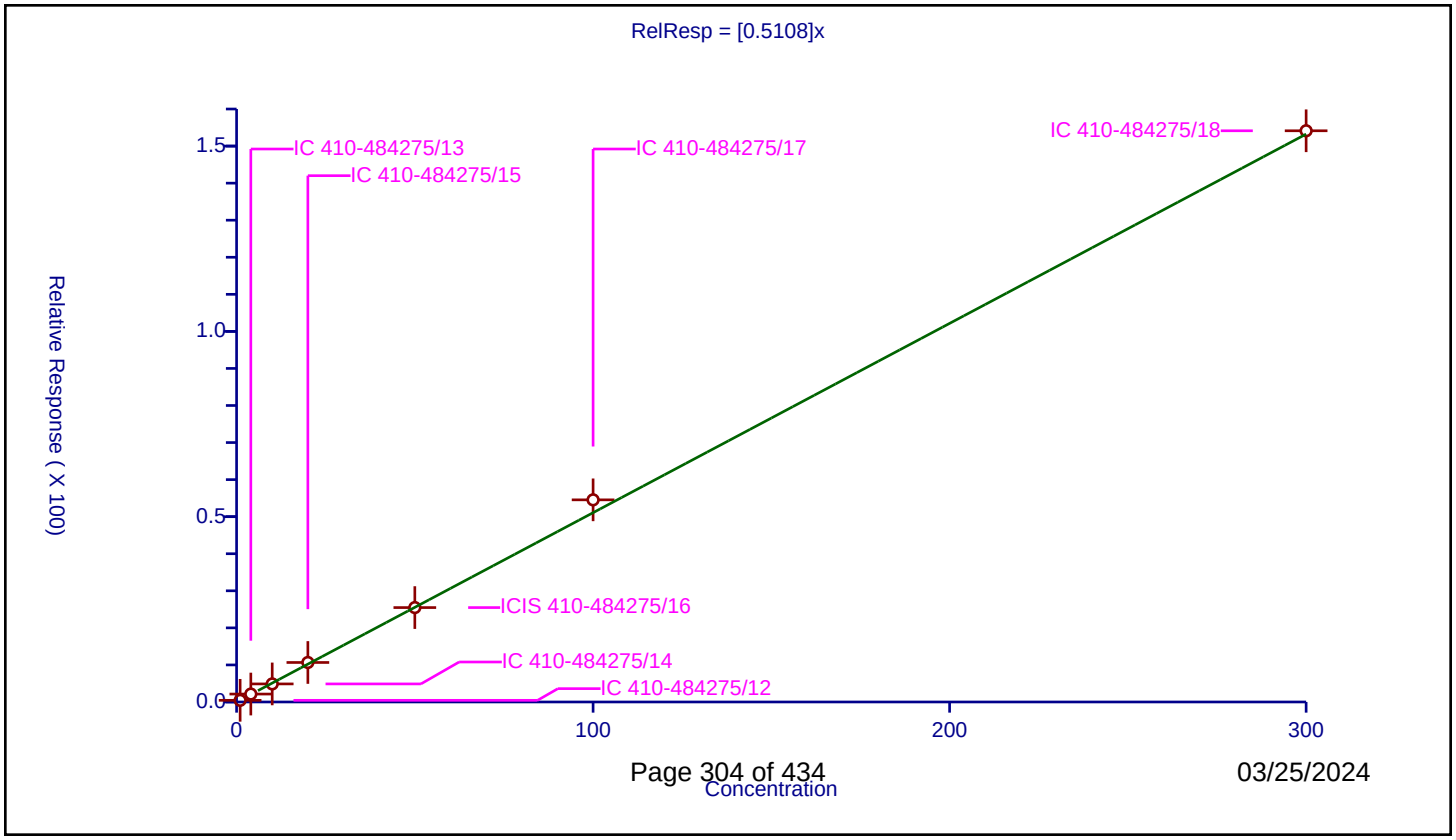
Curve Coefficients

Intercept:	0
Slope:	0.5108

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.449875	50.0	1045068.0	0.449875	Y
2	IC 410-484275/13	4.0	2.144175	50.0	1084543.0	0.536044	Y
3	IC 410-484275/14	10.0	4.878039	50.0	1095963.0	0.487804	Y
4	IC 410-484275/15	20.0	10.660222	50.0	1044012.0	0.533011	Y
5	ICIS 410-484275/16	50.0	25.472315	50.0	1080528.0	0.509446	Y
6	IC 410-484275/17	100.0	54.542692	50.0	1053021.0	0.545427	Y
7	IC 410-484275/18	300.0	154.127418	50.0	1167570.0	0.513758	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

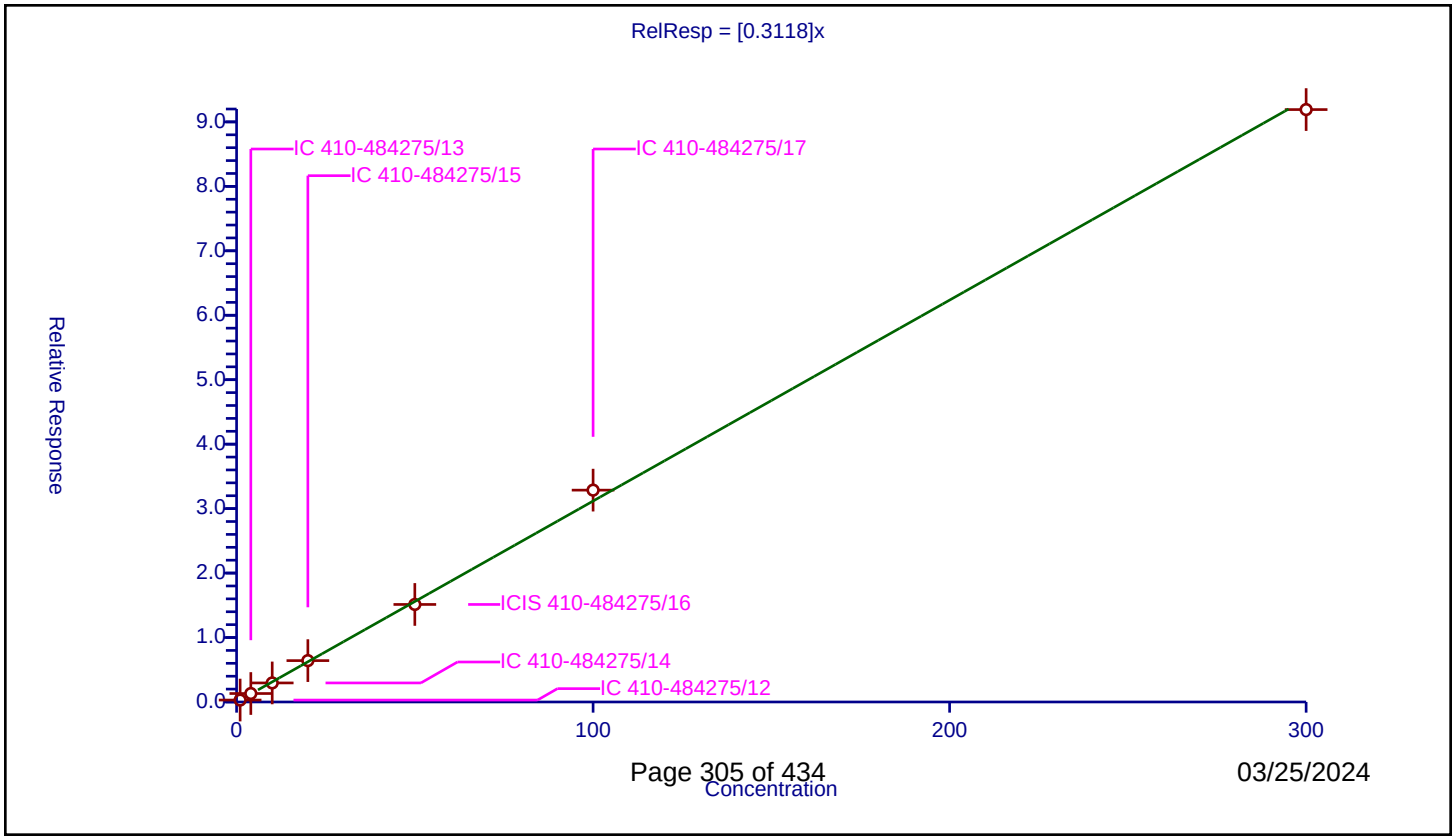
Curve Coefficients

Intercept:	0
Slope:	0.3118

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.300076	50.0	1045068.0	0.300076	Y
2	IC 410-484275/13	4.0	1.312119	50.0	1084543.0	0.32803	Y
3	IC 410-484275/14	10.0	2.955027	50.0	1095963.0	0.295503	Y
4	IC 410-484275/15	20.0	6.421095	50.0	1044012.0	0.321055	Y
5	ICIS 410-484275/16	50.0	15.130797	50.0	1080528.0	0.302616	Y
6	IC 410-484275/17	100.0	32.867293	50.0	1053021.0	0.328673	Y
7	IC 410-484275/18	300.0	91.914361	50.0	1167570.0	0.306381	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

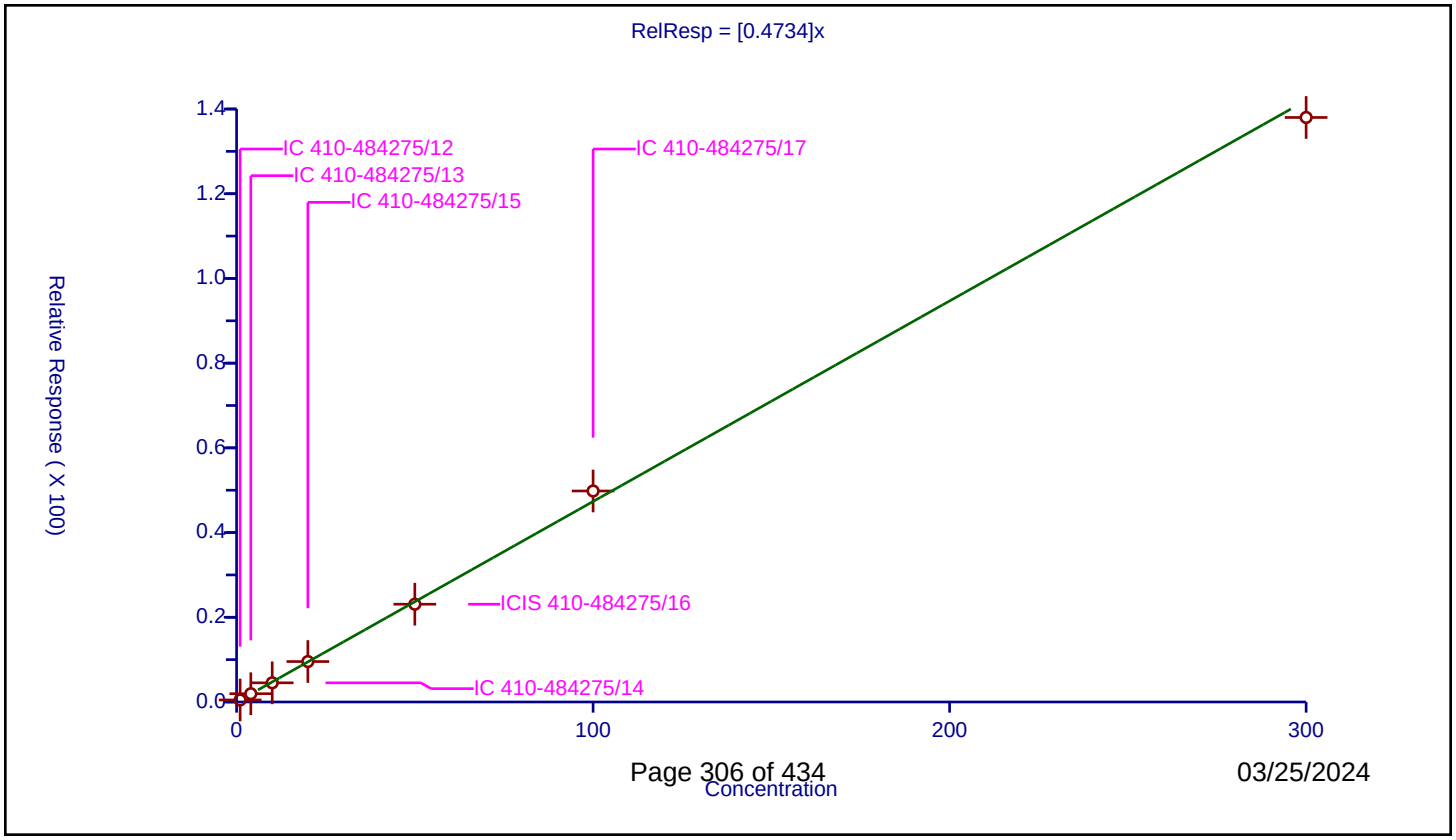
Curve Coefficients

Intercept:	0
Slope:	0.4734

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.475663	50.0	1045068.0	0.475663	Y
2	IC 410-484275/13	4.0	1.955801	50.0	1084543.0	0.48895	Y
3	IC 410-484275/14	10.0	4.521275	50.0	1095963.0	0.452127	Y
4	IC 410-484275/15	20.0	9.545149	50.0	1044012.0	0.477257	Y
5	ICIS 410-484275/16	50.0	23.085889	50.0	1080528.0	0.461718	Y
6	IC 410-484275/17	100.0	49.814676	50.0	1053021.0	0.498147	Y
7	IC 410-484275/18	300.0	138.003032	50.0	1167570.0	0.46001	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

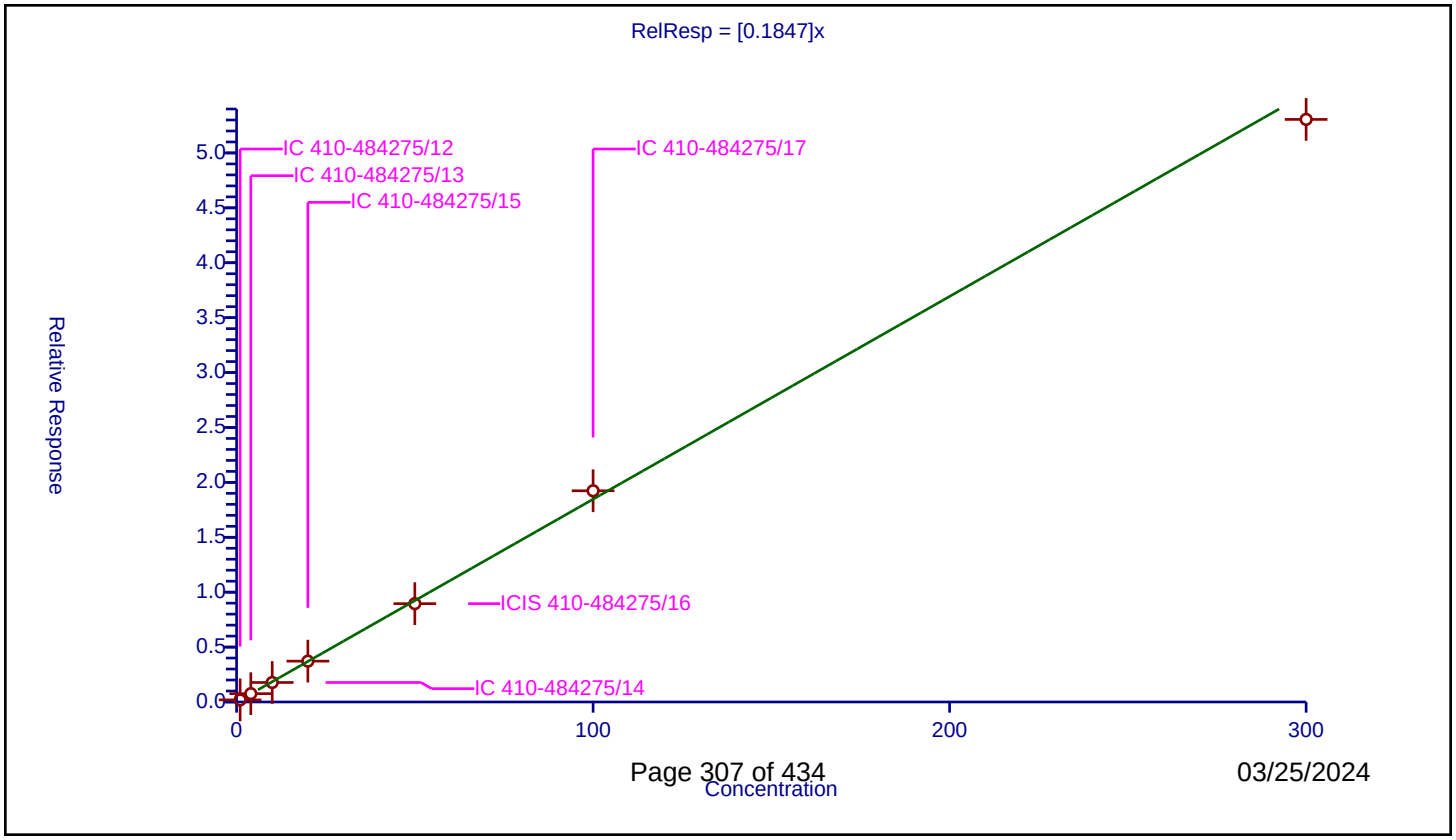
Curve Coefficients

Intercept:	0
Slope:	0.1847

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.190945	50.0	1045068.0	0.190945	Y
2	IC 410-484275/13	4.0	0.759122	50.0	1084543.0	0.18978	Y
3	IC 410-484275/14	10.0	1.776748	50.0	1095963.0	0.177675	Y
4	IC 410-484275/15	20.0	3.719019	50.0	1044012.0	0.185951	Y
5	ICIS 410-484275/16	50.0	8.953678	50.0	1080528.0	0.179074	Y
6	IC 410-484275/17	100.0	19.233377	50.0	1053021.0	0.192334	Y
7	IC 410-484275/18	300.0	53.053136	50.0	1167570.0	0.176844	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

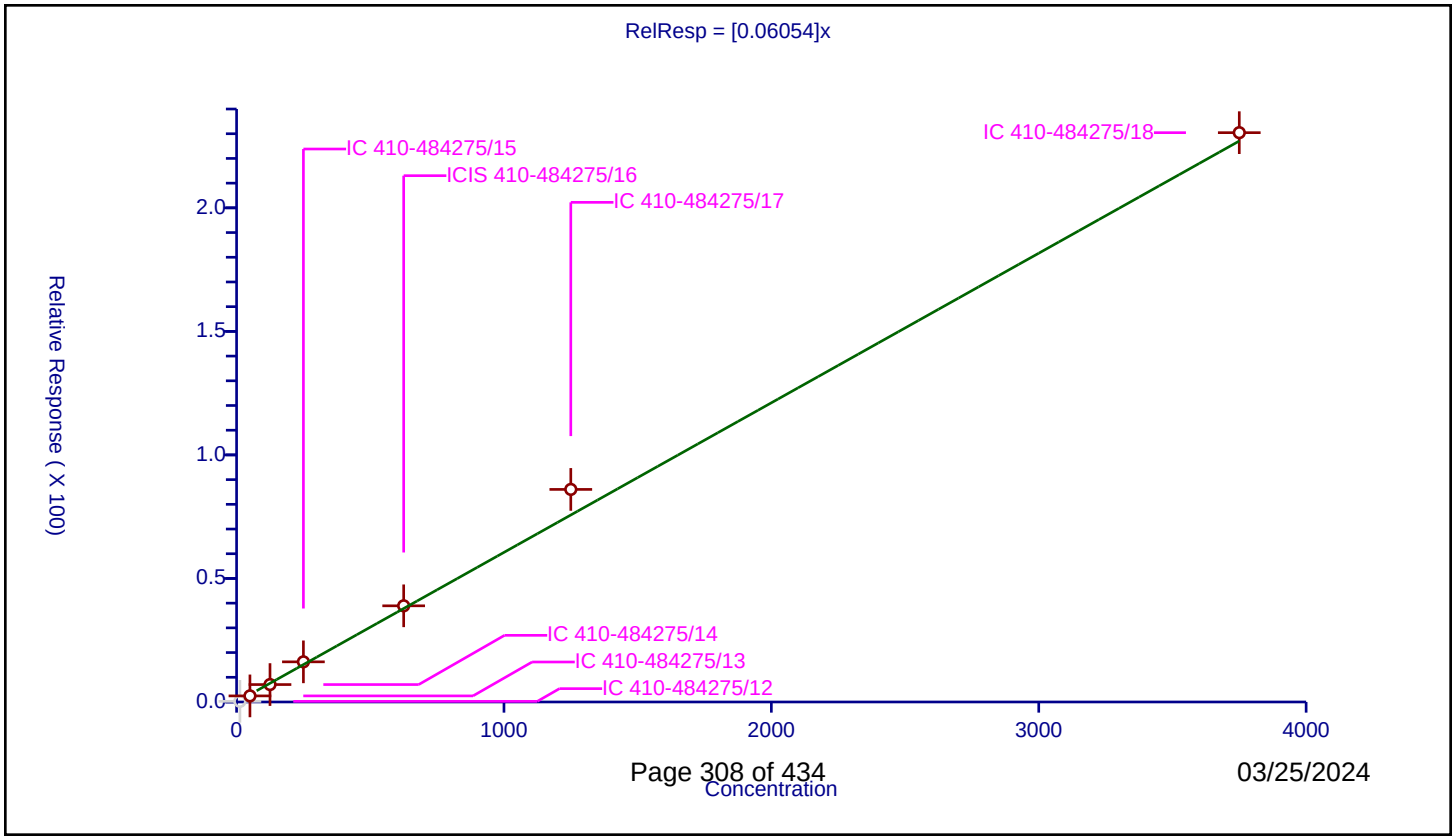
Curve Coefficients

Intercept:	0
Slope:	0.06054

Error Coefficients

Relative Standard Deviation:	11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	12.5	0.260393	250.0	208339.0	0.020831	N
2	IC 410-484275/13	50.0	2.463773	250.0	215929.0	0.049275	Y
3	IC 410-484275/14	125.0	7.054571	250.0	218688.0	0.056437	Y
4	IC 410-484275/15	250.0	16.248105	250.0	214425.0	0.064992	Y
5	ICIS 410-484275/16	625.0	38.930164	250.0	220202.0	0.062288	Y
6	IC 410-484275/17	1250.0	86.036495	250.0	219866.0	0.068829	Y
7	IC 410-484275/18	3750.0	230.430259	250.0	227328.0	0.061448	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

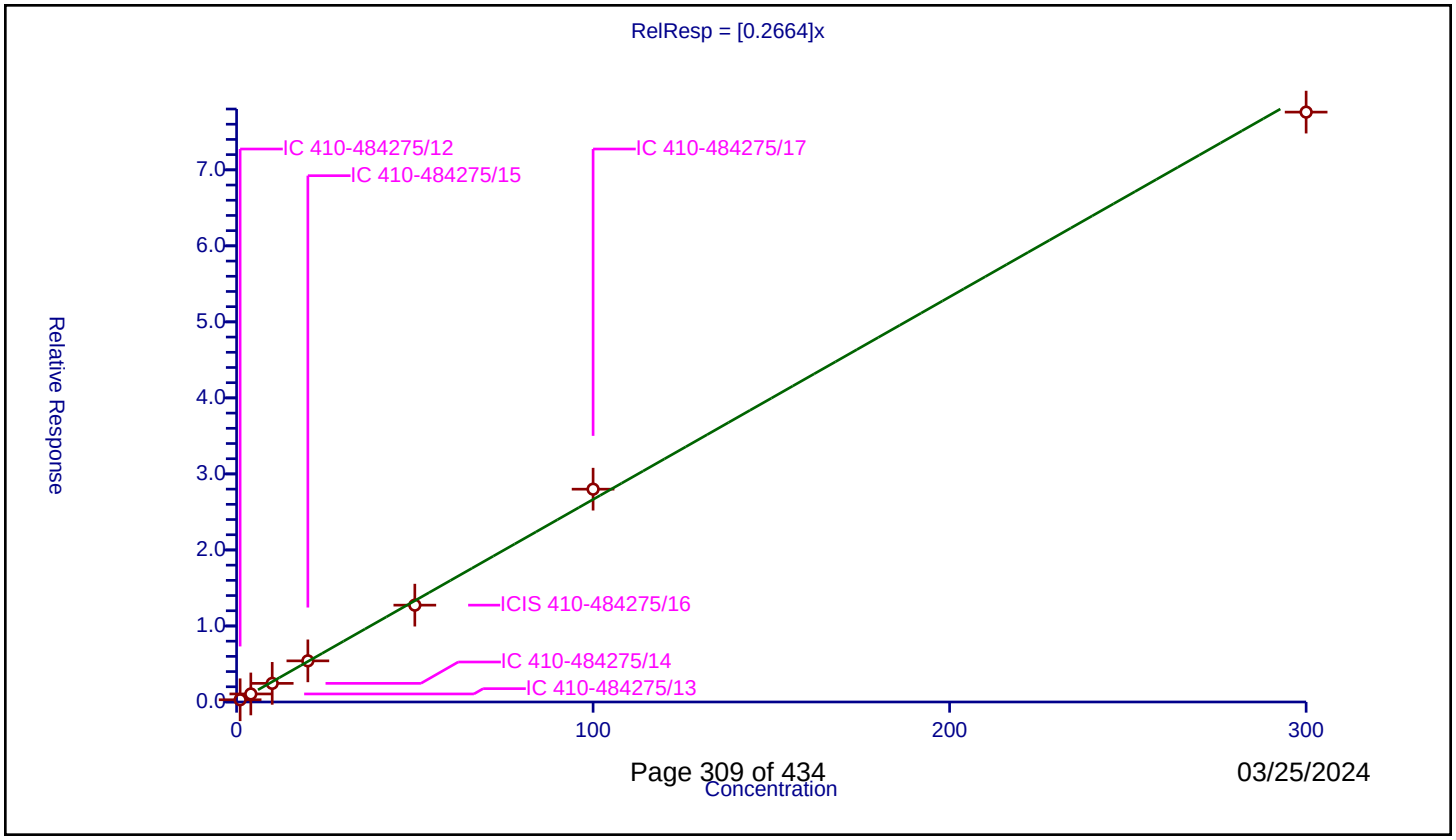
Curve Coefficients

Intercept:	0
Slope:	0.2664

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.291991	50.0	1045068.0	0.291991	Y
2	IC 410-484275/13	4.0	1.056436	50.0	1084543.0	0.264109	Y
3	IC 410-484275/14	10.0	2.449125	50.0	1095963.0	0.244912	Y
4	IC 410-484275/15	20.0	5.411815	50.0	1044012.0	0.270591	Y
5	ICIS 410-484275/16	50.0	12.737245	50.0	1080528.0	0.254745	Y
6	IC 410-484275/17	100.0	27.994266	50.0	1053021.0	0.279943	Y
7	IC 410-484275/18	300.0	77.591536	50.0	1167570.0	0.258638	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

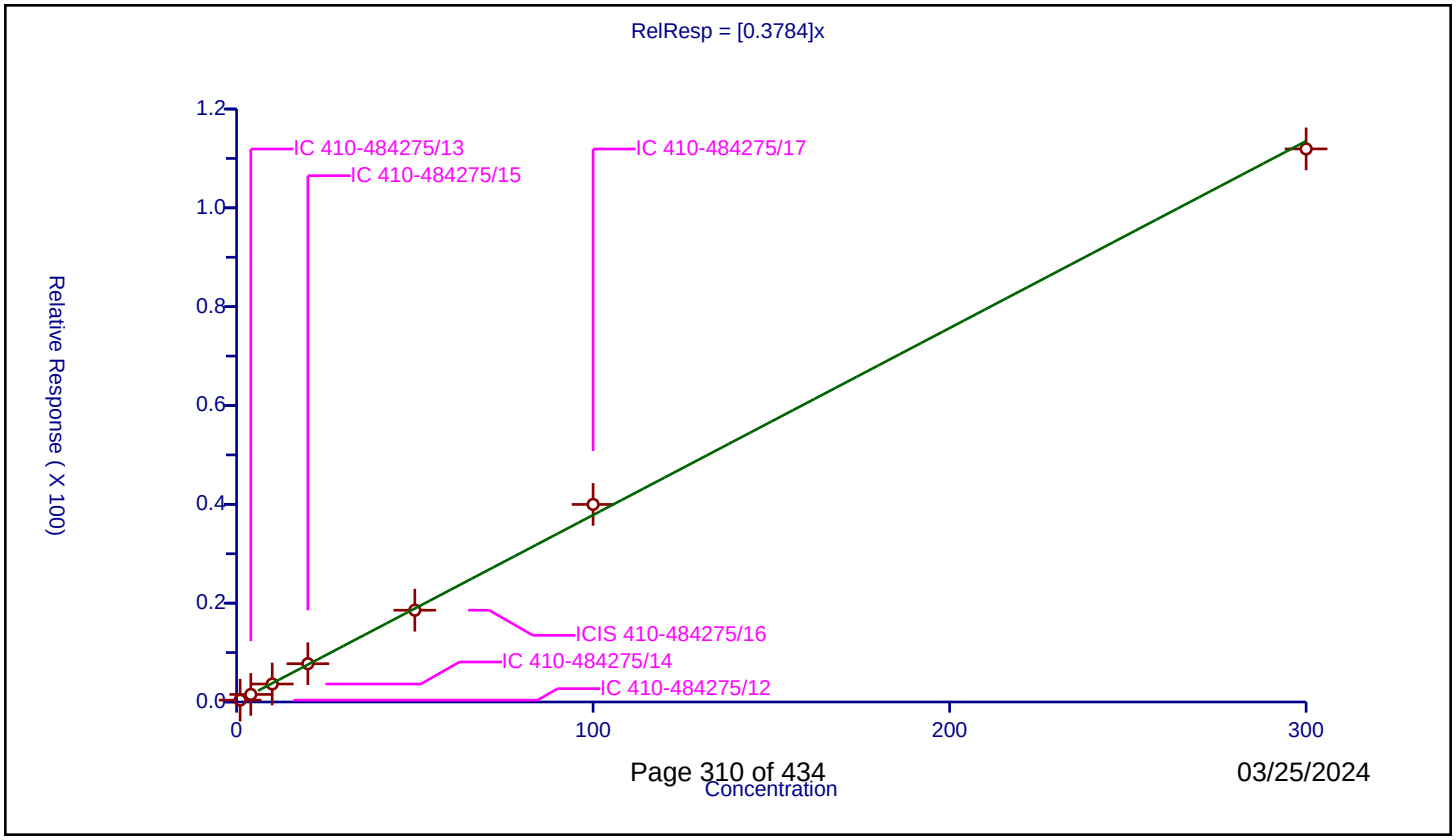
Curve Coefficients

Intercept:	0
Slope:	0.3784

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.370119	50.0	1045068.0	0.370119	Y
2	IC 410-484275/13	4.0	1.531152	50.0	1084543.0	0.382788	Y
3	IC 410-484275/14	10.0	3.638444	50.0	1095963.0	0.363844	Y
4	IC 410-484275/15	20.0	7.746798	50.0	1044012.0	0.38734	Y
5	ICIS 410-484275/16	50.0	18.573651	50.0	1080528.0	0.371473	Y
6	IC 410-484275/17	100.0	39.979307	50.0	1053021.0	0.399793	Y
7	IC 410-484275/18	300.0	111.929049	50.0	1167570.0	0.373097	Y



Calibration / 2-Nitropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

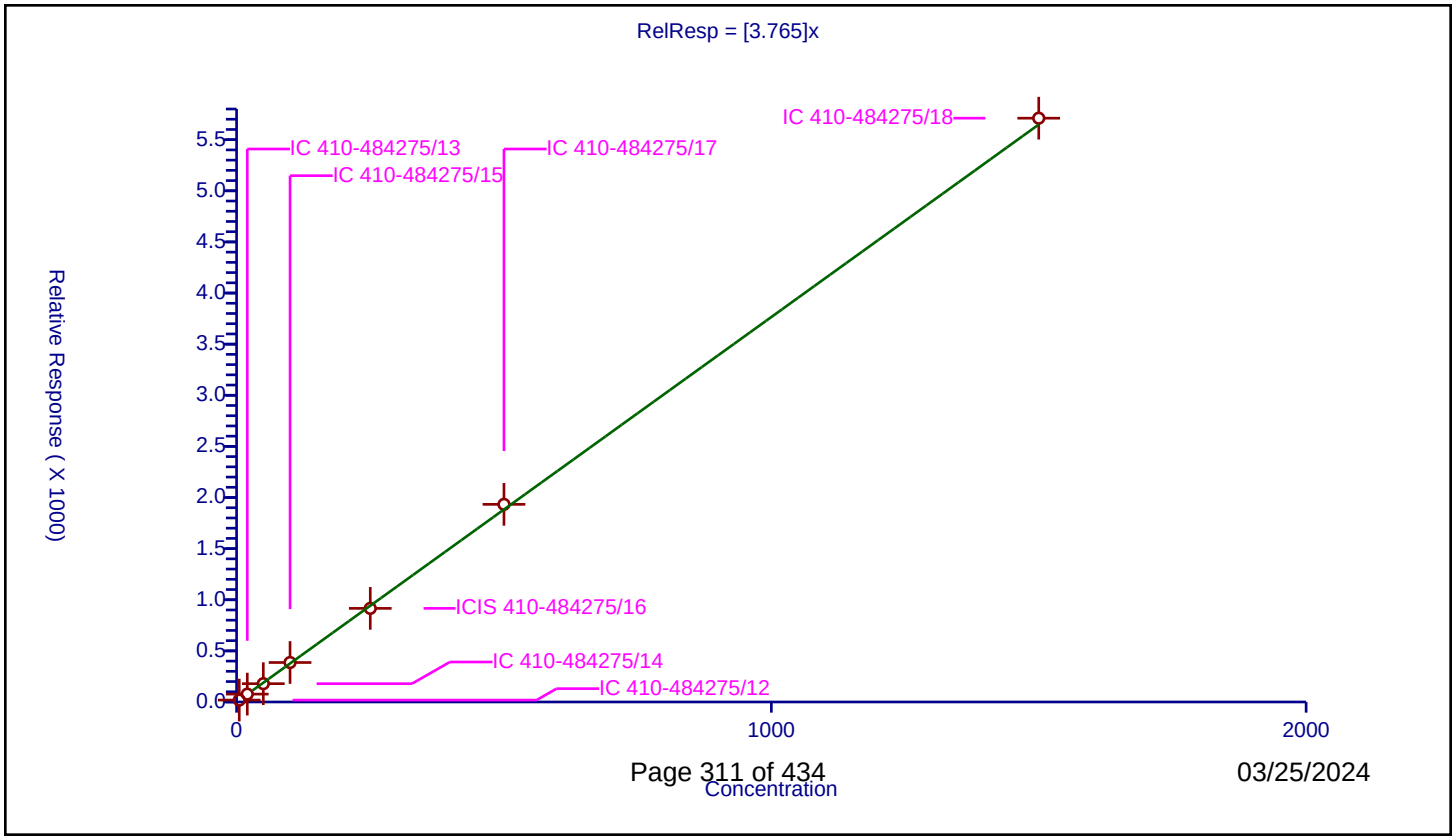
Curve Coefficients

Intercept:	0
Slope:	3.765

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	5.0	18.629493	250.0	208339.0	3.725899	Y
2	IC 410-484275/13	20.0	77.093628	250.0	215929.0	3.854681	Y
3	IC 410-484275/14	50.0	178.942146	250.0	218688.0	3.578843	Y
4	IC 410-484275/15	100.0	386.290078	250.0	214425.0	3.862901	Y
5	ICIS 410-484275/16	250.0	915.583192	250.0	220202.0	3.662333	Y
6	IC 410-484275/17	500.0	1933.209318	250.0	219866.0	3.866419	Y
7	IC 410-484275/18	1500.0	5710.399731	250.0	227328.0	3.806933	Y



Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

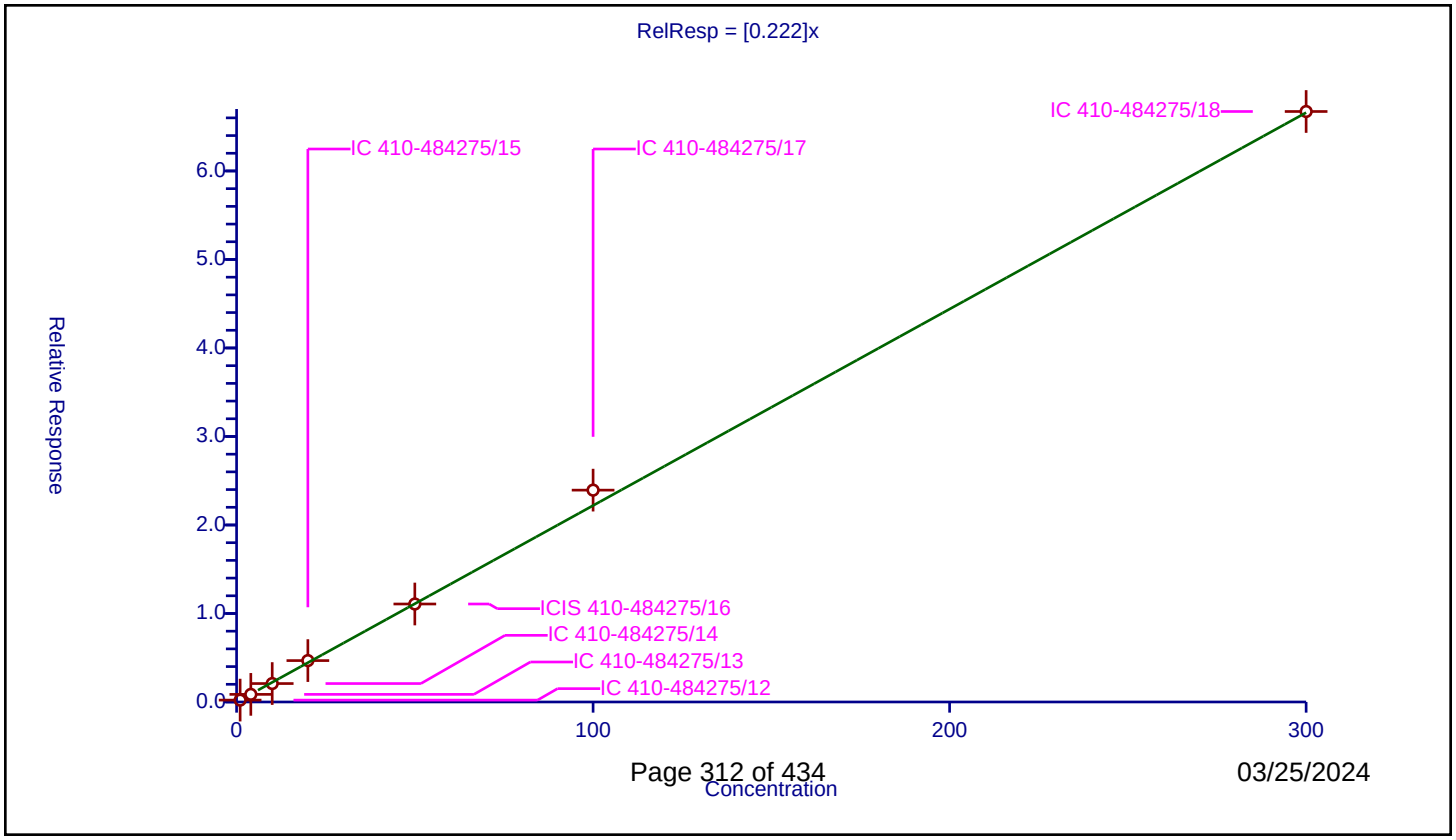
Curve Coefficients

Intercept:	0
Slope:	0.222

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.213766	50.0	1045068.0	0.213766	Y
2	IC 410-484275/13	4.0	0.858933	50.0	1084543.0	0.214733	Y
3	IC 410-484275/14	10.0	2.082415	50.0	1095963.0	0.208242	Y
4	IC 410-484275/15	20.0	4.678107	50.0	1044012.0	0.233905	Y
5	ICIS 410-484275/16	50.0	11.070652	50.0	1080528.0	0.221413	Y
6	IC 410-484275/17	100.0	23.937794	50.0	1053021.0	0.239378	Y
7	IC 410-484275/18	300.0	66.720411	50.0	1167570.0	0.222401	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

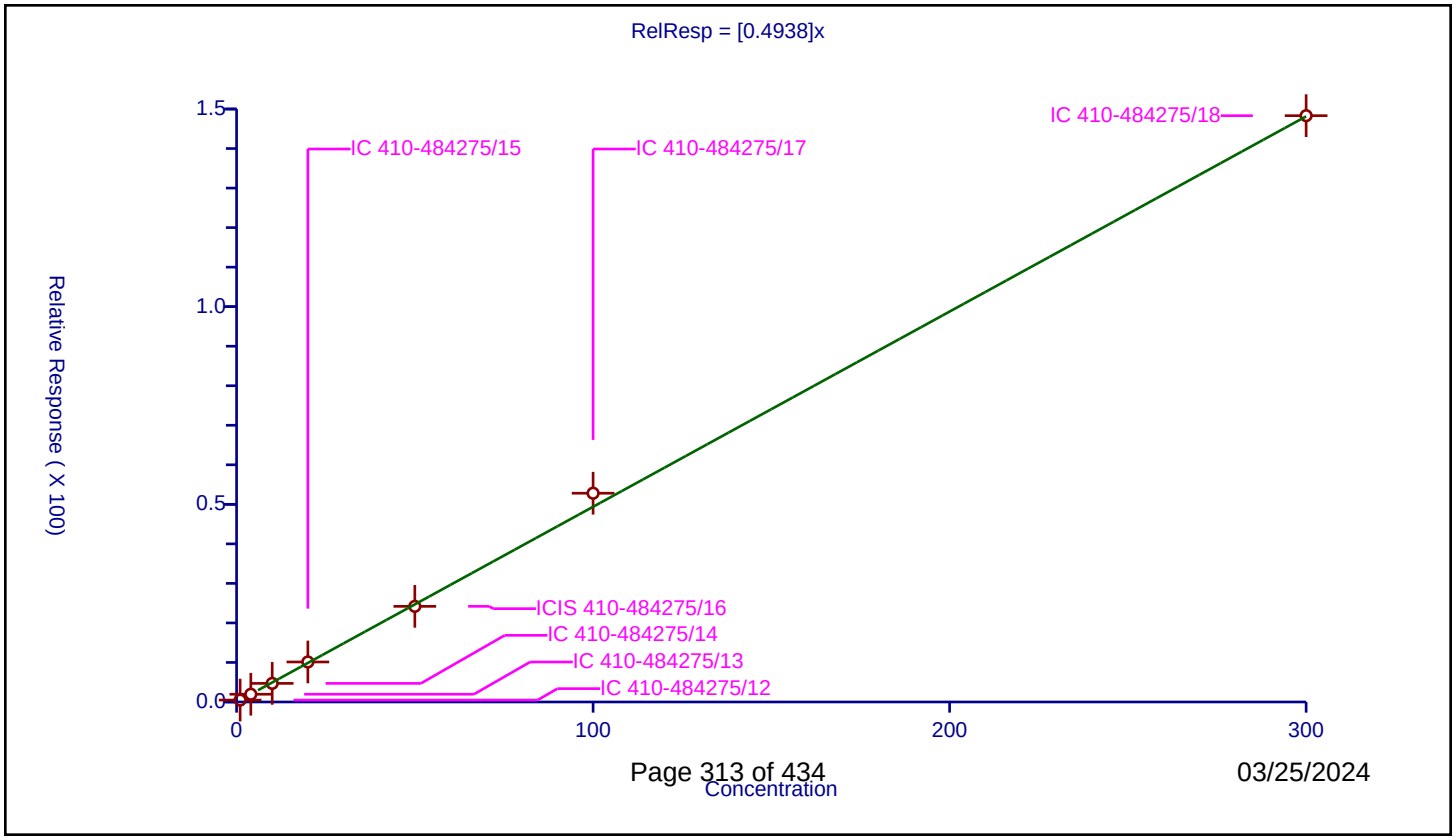
Curve Coefficients

Intercept:	0
Slope:	0.4938

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.483796	50.0	1045068.0	0.483796	Y
2	IC 410-484275/13	4.0	1.959212	50.0	1084543.0	0.489803	Y
3	IC 410-484275/14	10.0	4.707276	50.0	1095963.0	0.470728	Y
4	IC 410-484275/15	20.0	10.119137	50.0	1044012.0	0.505957	Y
5	ICIS 410-484275/16	50.0	24.194653	50.0	1080528.0	0.483893	Y
6	IC 410-484275/17	100.0	52.80531	50.0	1053021.0	0.528053	Y
7	IC 410-484275/18	300.0	148.315947	50.0	1167570.0	0.494386	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

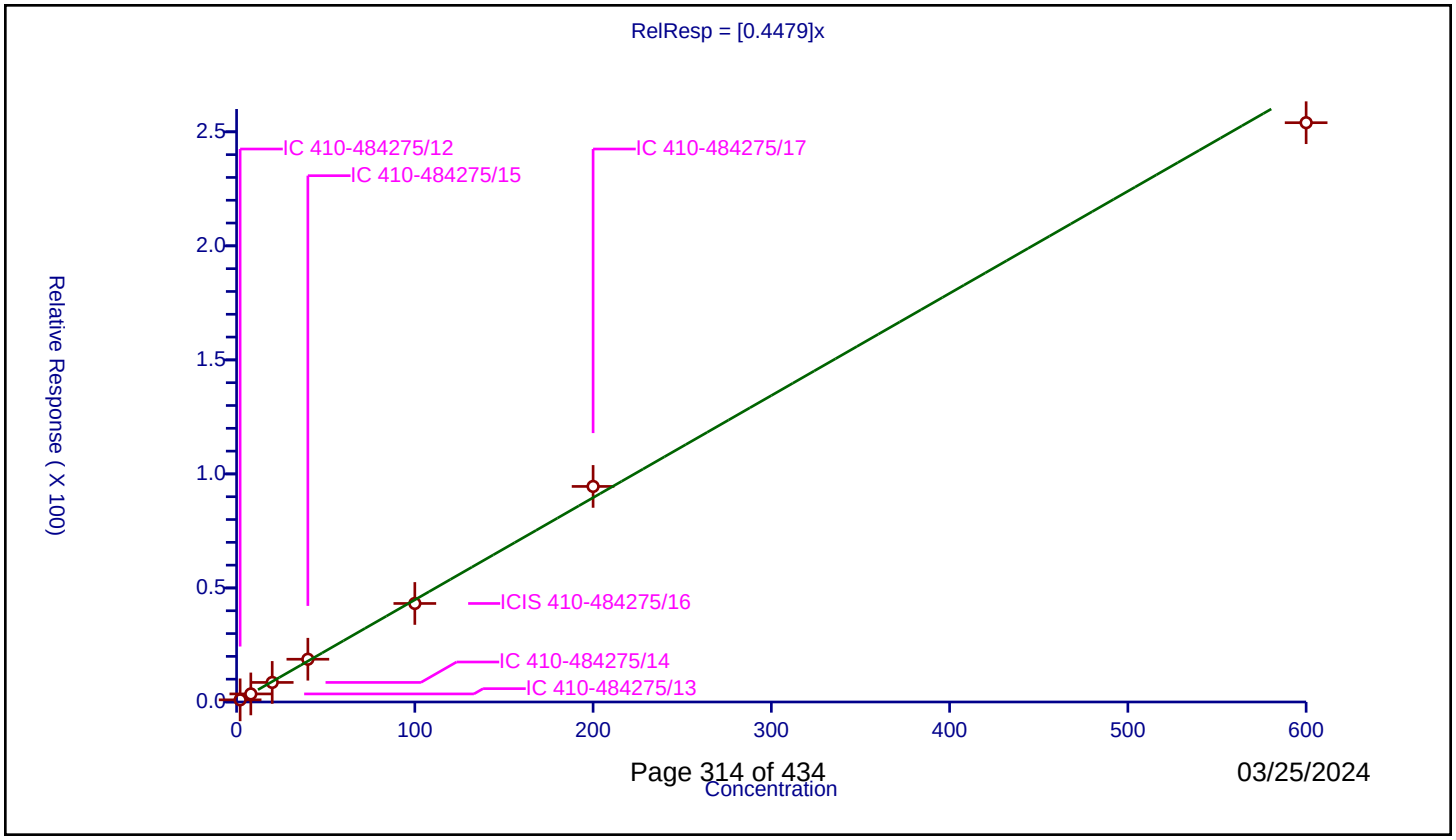
Curve Coefficients

Intercept:	0
Slope:	0.4479

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	2.0	0.937068	50.0	1045068.0	0.468534	Y
2	IC 410-484275/13	8.0	3.53264	50.0	1084543.0	0.44158	Y
3	IC 410-484275/14	20.0	8.576339	50.0	1095963.0	0.428817	Y
4	IC 410-484275/15	40.0	18.745474	50.0	1044012.0	0.468637	Y
5	ICIS 410-484275/16	100.0	43.201842	50.0	1080528.0	0.432018	Y
6	IC 410-484275/17	200.0	94.514449	50.0	1053021.0	0.472572	Y
7	IC 410-484275/18	600.0	254.005413	50.0	1167570.0	0.423342	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

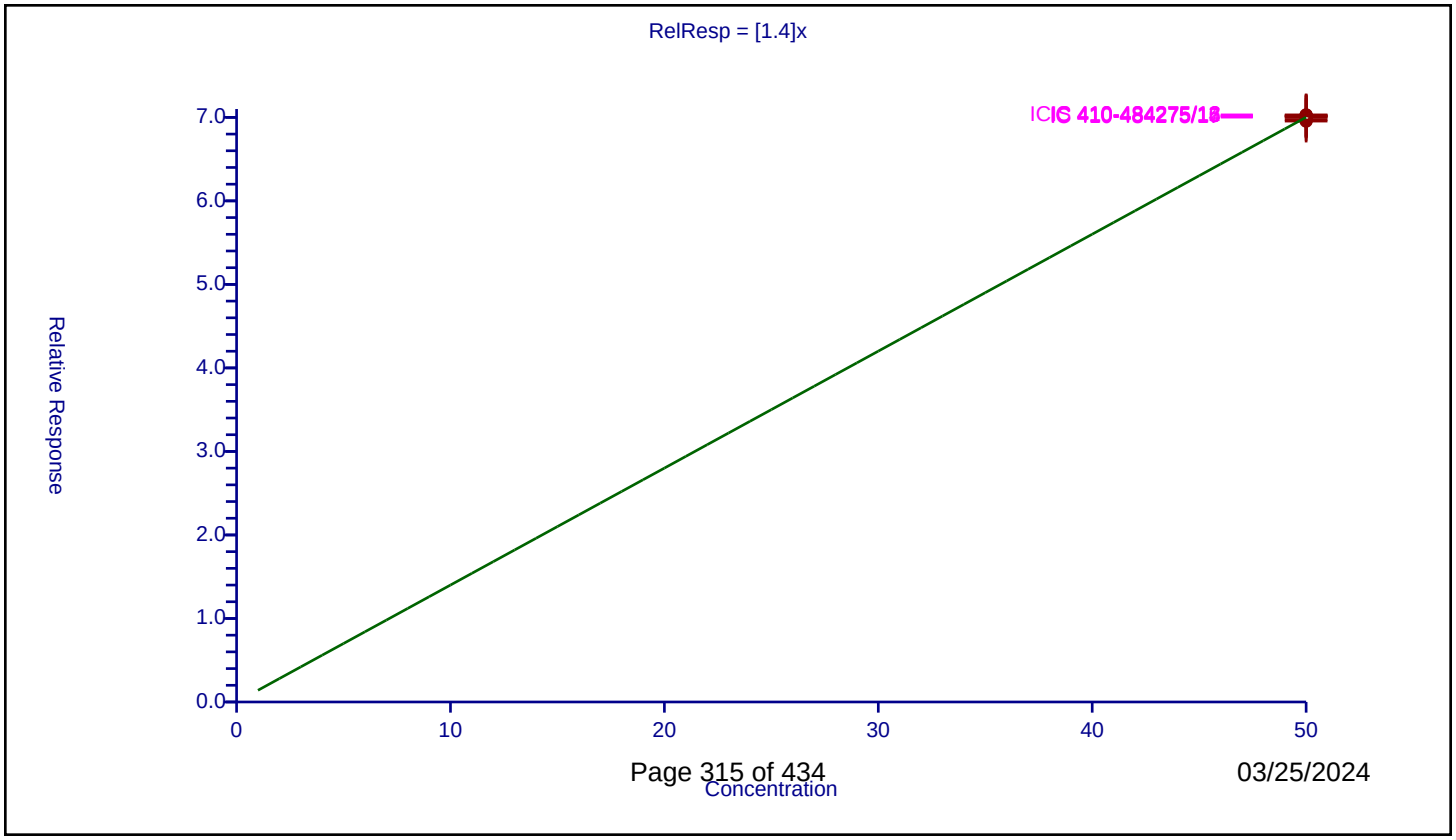
Curve Coefficients

Intercept:	0
Slope:	1.4

Error Coefficients

Relative Standard Deviation:	0.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	50.0	70.297909	50.0	763724.0	1.405958	Y
2	IC 410-484275/13	50.0	69.552028	50.0	799247.0	1.391041	Y
3	IC 410-484275/14	50.0	70.170753	50.0	805493.0	1.403415	Y
4	IC 410-484275/15	50.0	70.089784	50.0	769177.0	1.401796	Y
5	ICIS 410-484275/16	50.0	70.210747	50.0	806749.0	1.404215	Y
6	IC 410-484275/17	50.0	70.026882	50.0	786031.0	1.400538	Y
7	IC 410-484275/18	50.0	69.741244	50.0	867843.0	1.394825	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

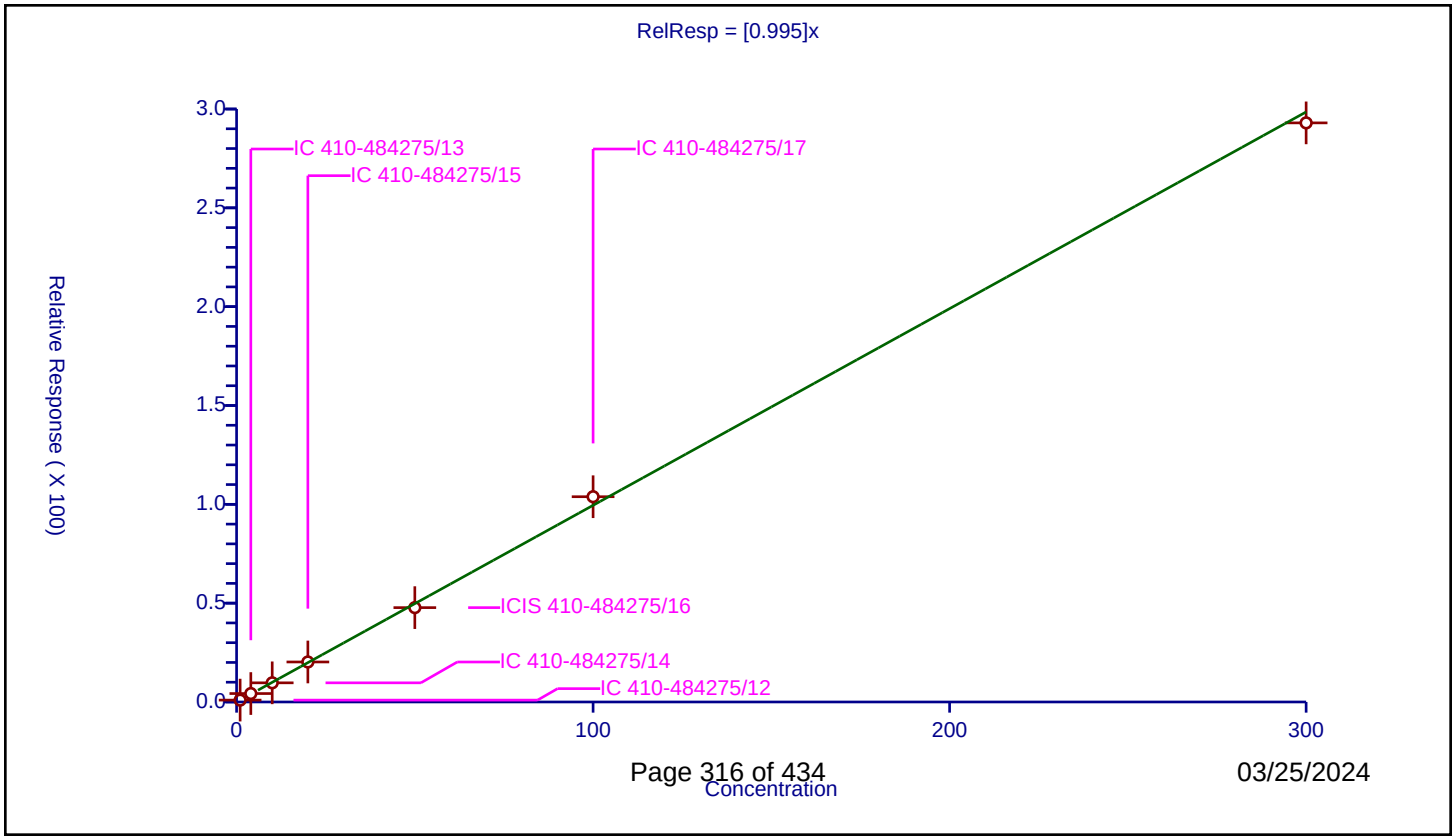
Curve Coefficients

Intercept:	0
Slope:	0.995

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.947528	50.0	763724.0	0.947528	Y
2	IC 410-484275/13	4.0	4.265327	50.0	799247.0	1.066332	Y
3	IC 410-484275/14	10.0	9.695429	50.0	805493.0	0.969543	Y
4	IC 410-484275/15	20.0	20.242675	50.0	769177.0	1.012134	Y
5	ICIS 410-484275/16	50.0	47.735913	50.0	806749.0	0.954718	Y
6	IC 410-484275/17	100.0	103.844441	50.0	786031.0	1.038444	Y
7	IC 410-484275/18	300.0	292.986404	50.0	867843.0	0.976621	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

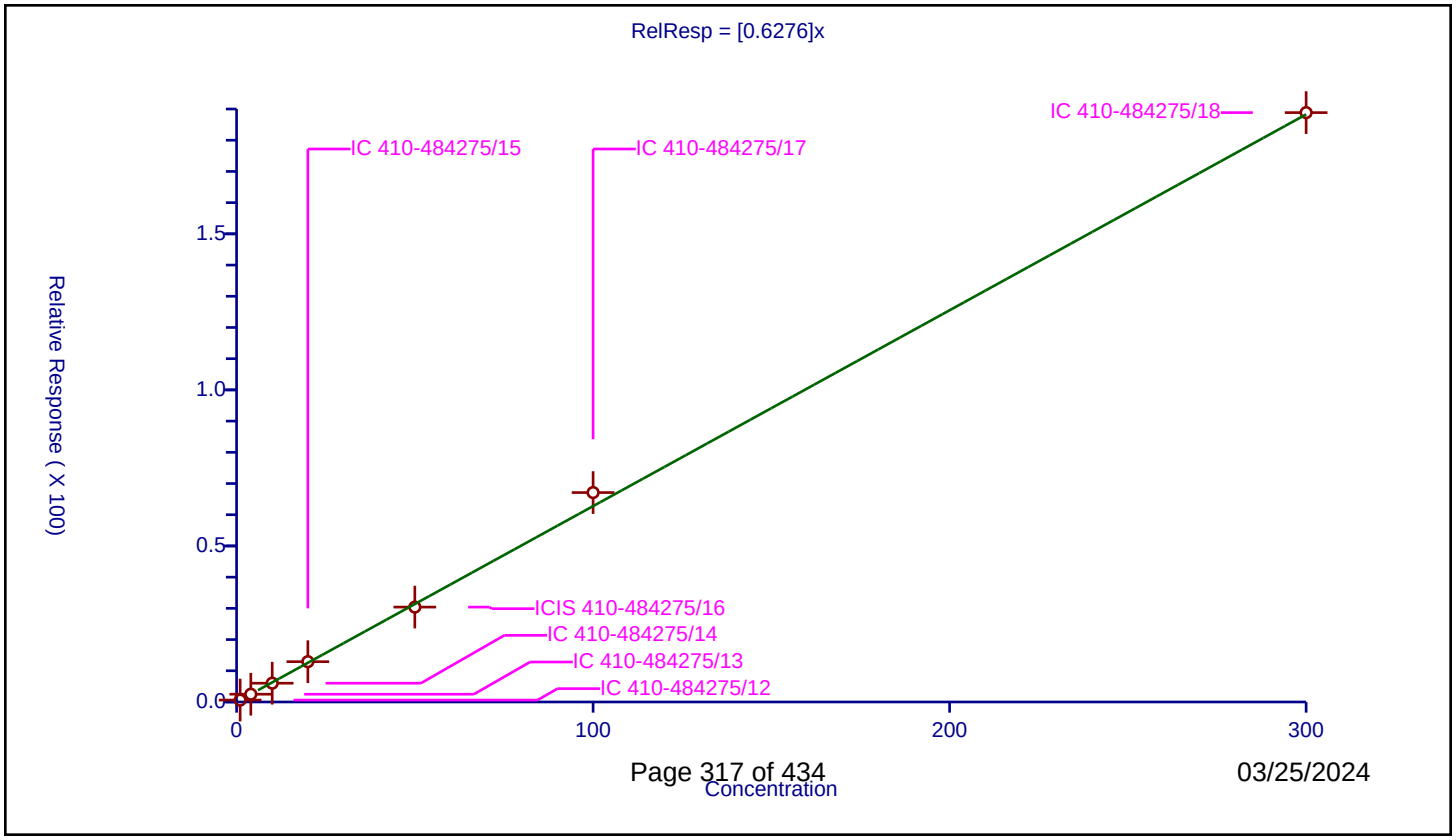
Curve Coefficients

Intercept:	0
Slope:	0.6276

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.6139	50.0	763724.0	0.6139	Y
2	IC 410-484275/13	4.0	2.490532	50.0	799247.0	0.622633	Y
3	IC 410-484275/14	10.0	6.020971	50.0	805493.0	0.602097	Y
4	IC 410-484275/15	20.0	12.916403	50.0	769177.0	0.64582	Y
5	ICIS 410-484275/16	50.0	30.404438	50.0	806749.0	0.608089	Y
6	IC 410-484275/17	100.0	67.10028	50.0	786031.0	0.671003	Y
7	IC 410-484275/18	300.0	188.843777	50.0	867843.0	0.629479	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

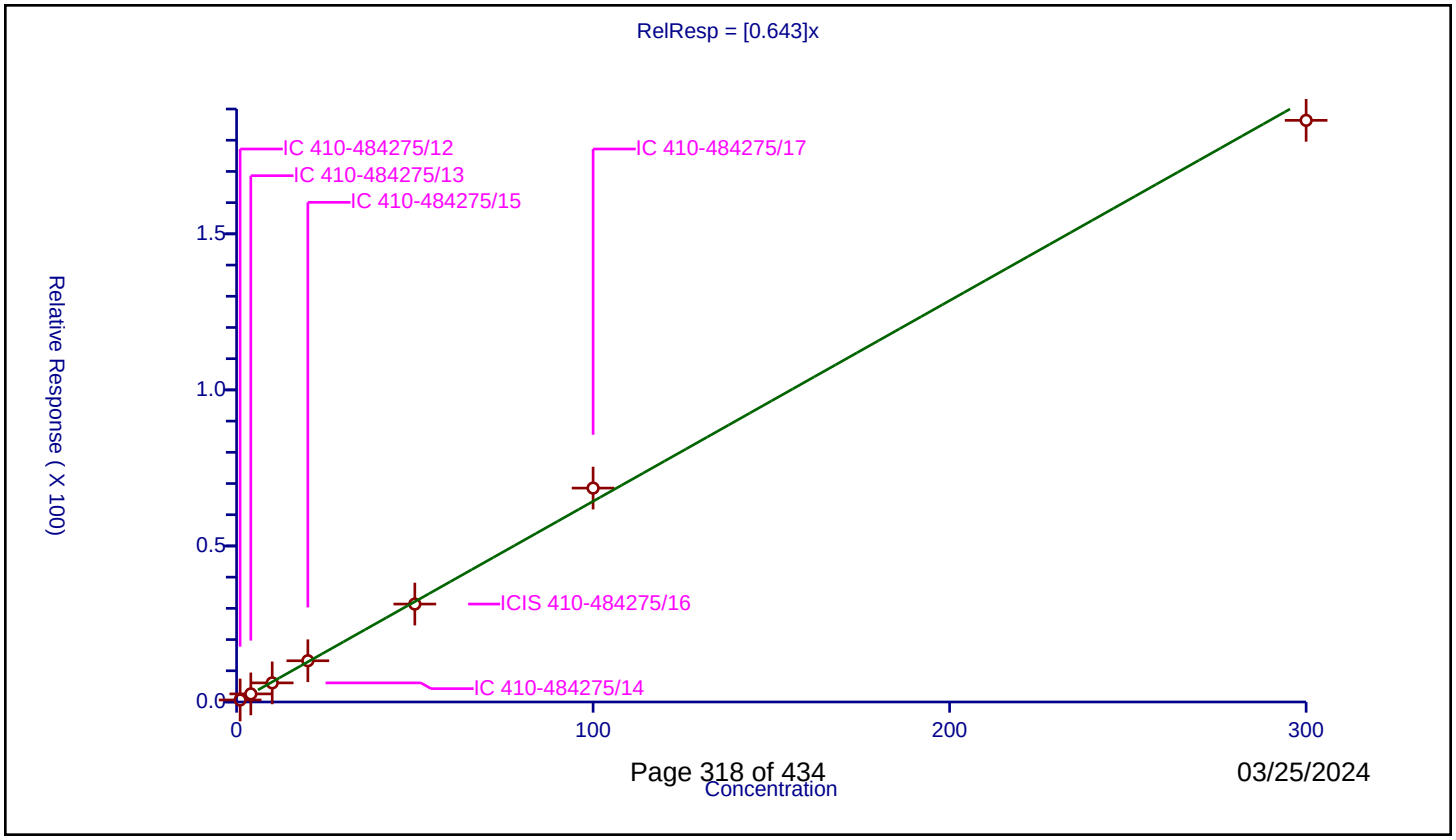
Curve Coefficients

Intercept:	0
Slope:	0.643

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.646045	50.0	763724.0	0.646045	Y
2	IC 410-484275/13	4.0	2.590251	50.0	799247.0	0.647563	Y
3	IC 410-484275/14	10.0	6.123455	50.0	805493.0	0.612345	Y
4	IC 410-484275/15	20.0	13.218154	50.0	769177.0	0.660908	Y
5	ICIS 410-484275/16	50.0	31.378781	50.0	806749.0	0.627576	Y
6	IC 410-484275/17	100.0	68.535974	50.0	786031.0	0.68536	Y
7	IC 410-484275/18	300.0	186.368329	50.0	867843.0	0.621228	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

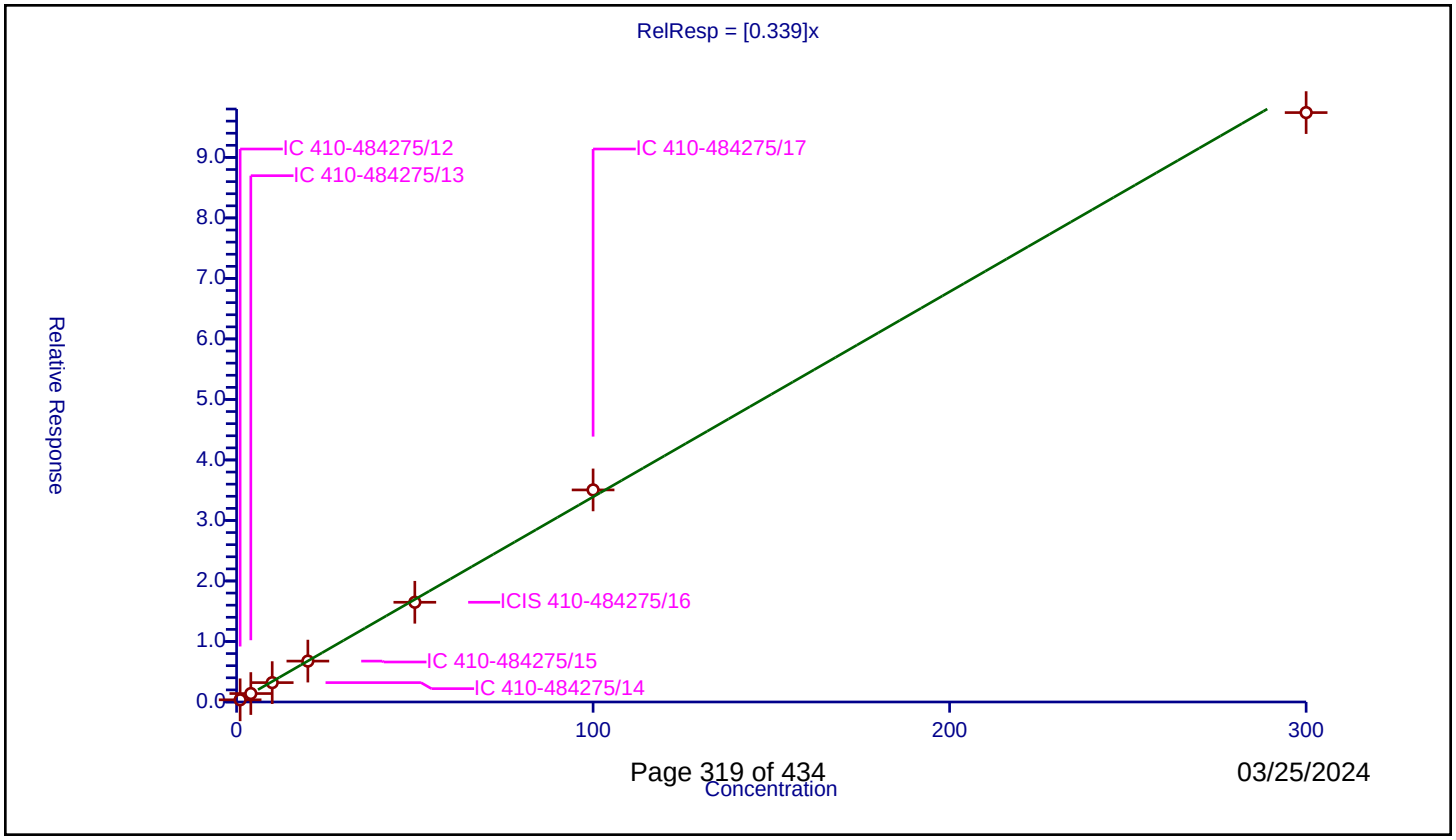
Curve Coefficients

Intercept:	0
Slope:	0.339

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.360994	50.0	763724.0	0.360994	Y
2	IC 410-484275/13	4.0	1.396377	50.0	799247.0	0.349094	Y
3	IC 410-484275/14	10.0	3.199593	50.0	805493.0	0.319959	Y
4	IC 410-484275/15	20.0	6.759953	50.0	769177.0	0.337998	Y
5	ICIS 410-484275/16	50.0	16.48183	50.0	806749.0	0.329637	Y
6	IC 410-484275/17	100.0	35.048681	50.0	786031.0	0.350487	Y
7	IC 410-484275/18	300.0	97.408287	50.0	867843.0	0.324694	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

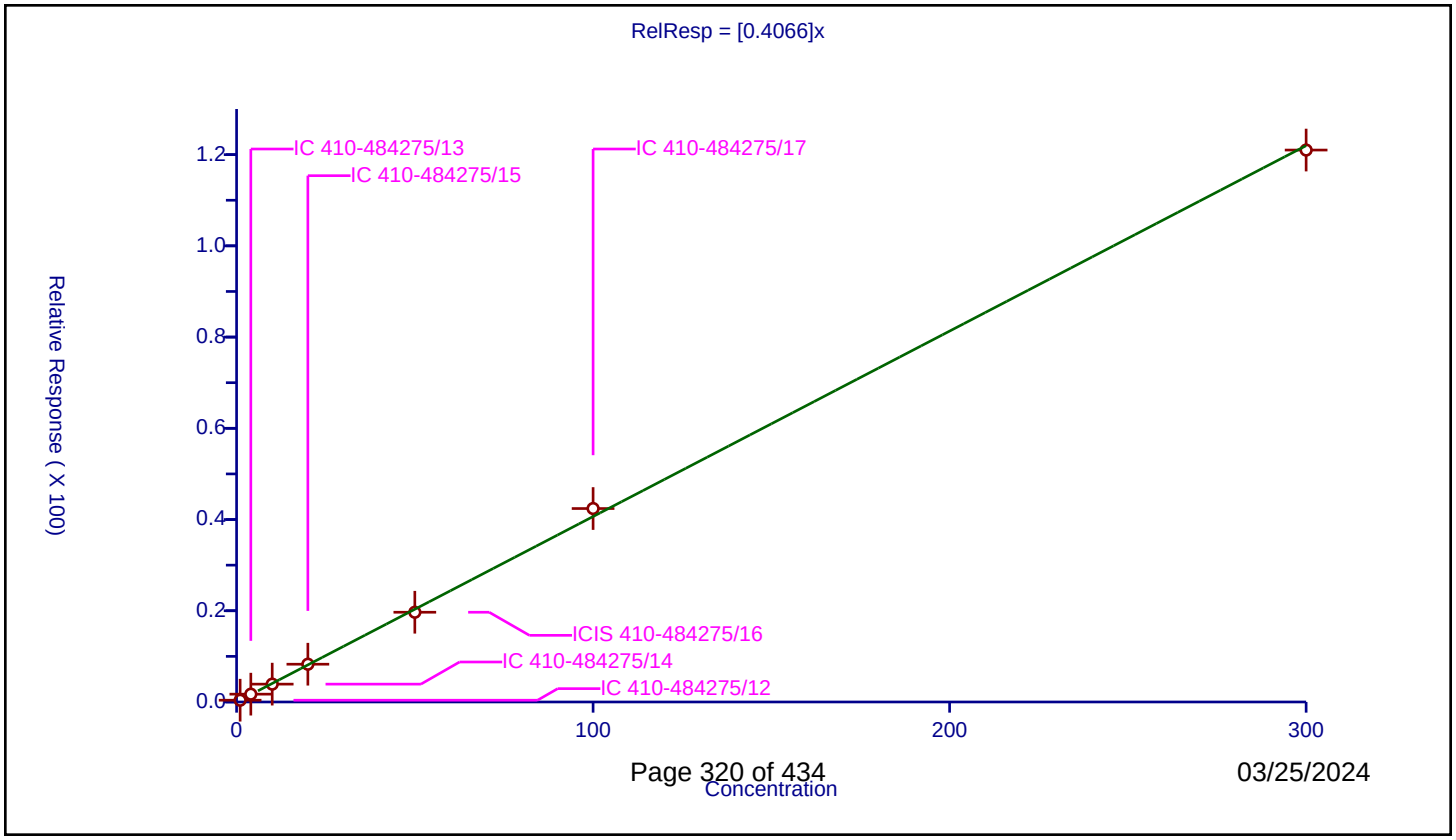
Curve Coefficients

Intercept:	0
Slope:	0.4066

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.391306	50.0	763724.0	0.391306	Y
2	IC 410-484275/13	4.0	1.713175	50.0	799247.0	0.428294	Y
3	IC 410-484275/14	10.0	3.914125	50.0	805493.0	0.391412	Y
4	IC 410-484275/15	20.0	8.280604	50.0	769177.0	0.41403	Y
5	ICIS 410-484275/16	50.0	19.673901	50.0	806749.0	0.393478	Y
6	IC 410-484275/17	100.0	42.409078	50.0	786031.0	0.424091	Y
7	IC 410-484275/18	300.0	121.002762	50.0	867843.0	0.403343	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

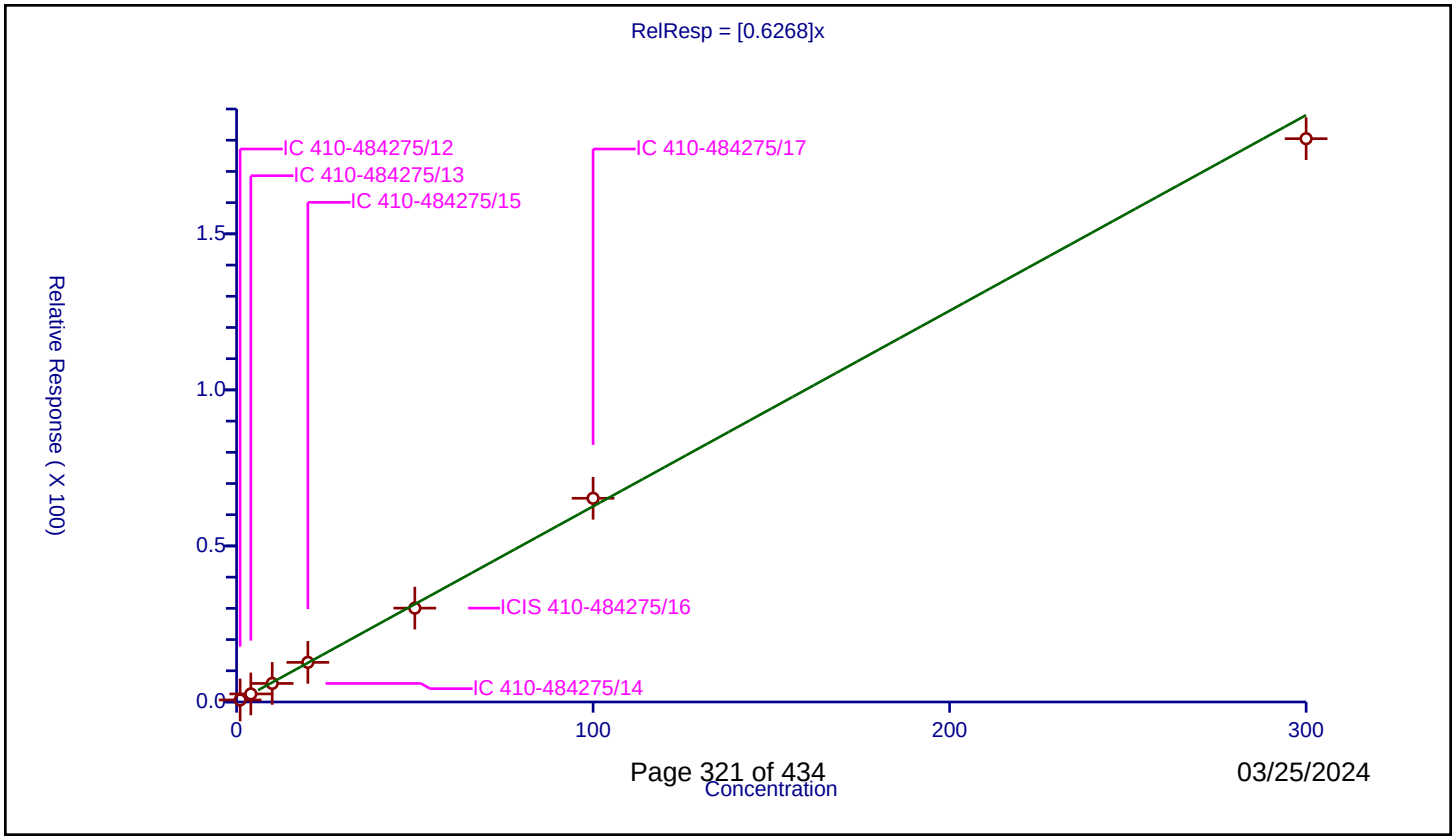
Curve Coefficients

Intercept:	0
Slope:	0.6268

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.656585	50.0	763724.0	0.656585	Y
2	IC 410-484275/13	4.0	2.586309	50.0	799247.0	0.646577	Y
3	IC 410-484275/14	10.0	5.941703	50.0	805493.0	0.59417	Y
4	IC 410-484275/15	20.0	12.689992	50.0	769177.0	0.6345	Y
5	ICIS 410-484275/16	50.0	30.071373	50.0	806749.0	0.601427	Y
6	IC 410-484275/17	100.0	65.271917	50.0	786031.0	0.652719	Y
7	IC 410-484275/18	300.0	180.499699	50.0	867843.0	0.601666	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

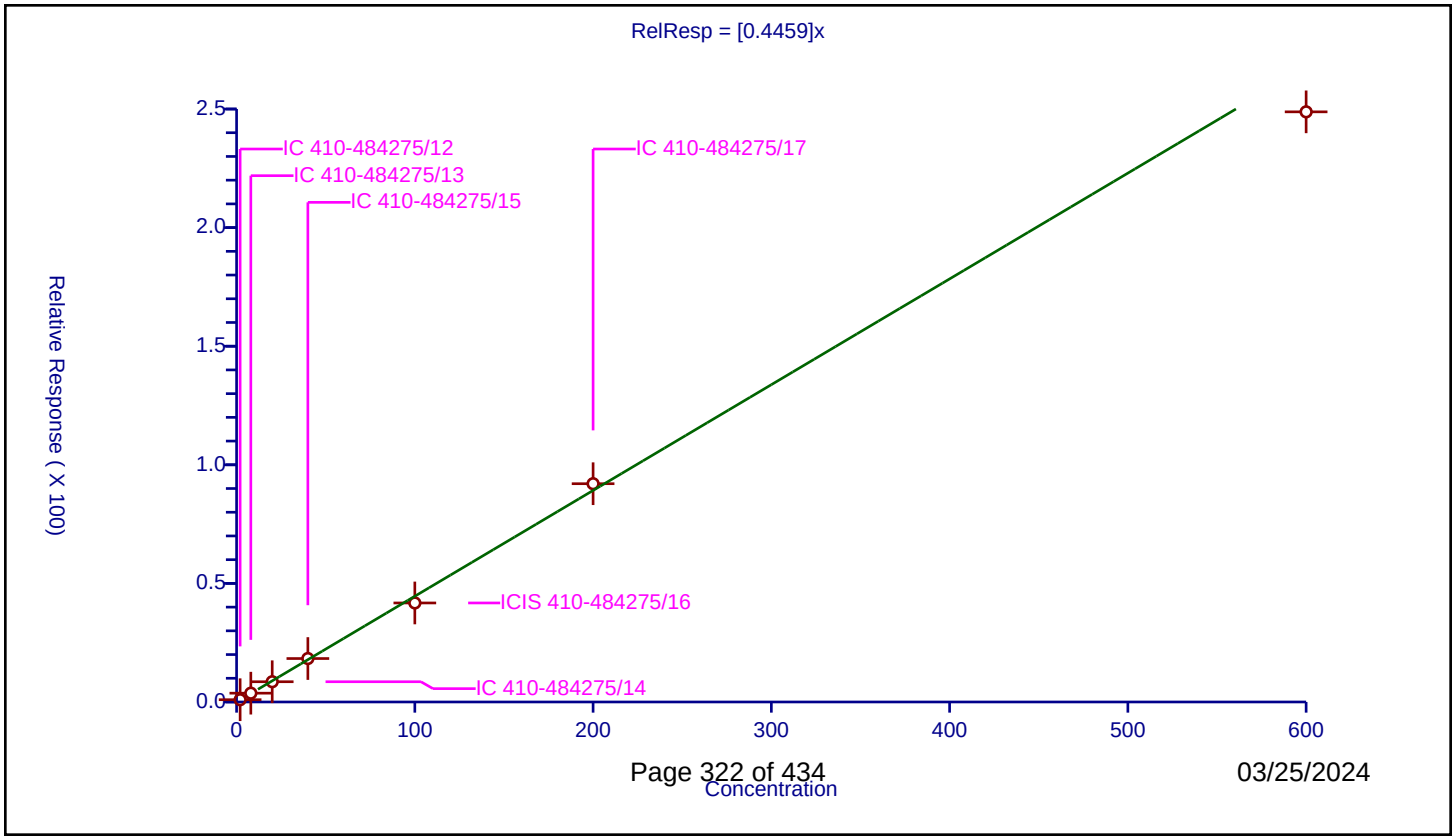
Curve Coefficients

Intercept:	0
Slope:	0.4459

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	2.0	0.957676	50.0	763724.0	0.478838	Y
2	IC 410-484275/13	8.0	3.72069	50.0	799247.0	0.465086	Y
3	IC 410-484275/14	20.0	8.543712	50.0	805493.0	0.427186	Y
4	IC 410-484275/15	40.0	18.324716	50.0	769177.0	0.458118	Y
5	ICIS 410-484275/16	100.0	41.750346	50.0	806749.0	0.417503	Y
6	IC 410-484275/17	200.0	92.024551	50.0	786031.0	0.460123	Y
7	IC 410-484275/18	600.0	248.80952	50.0	867843.0	0.414683	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

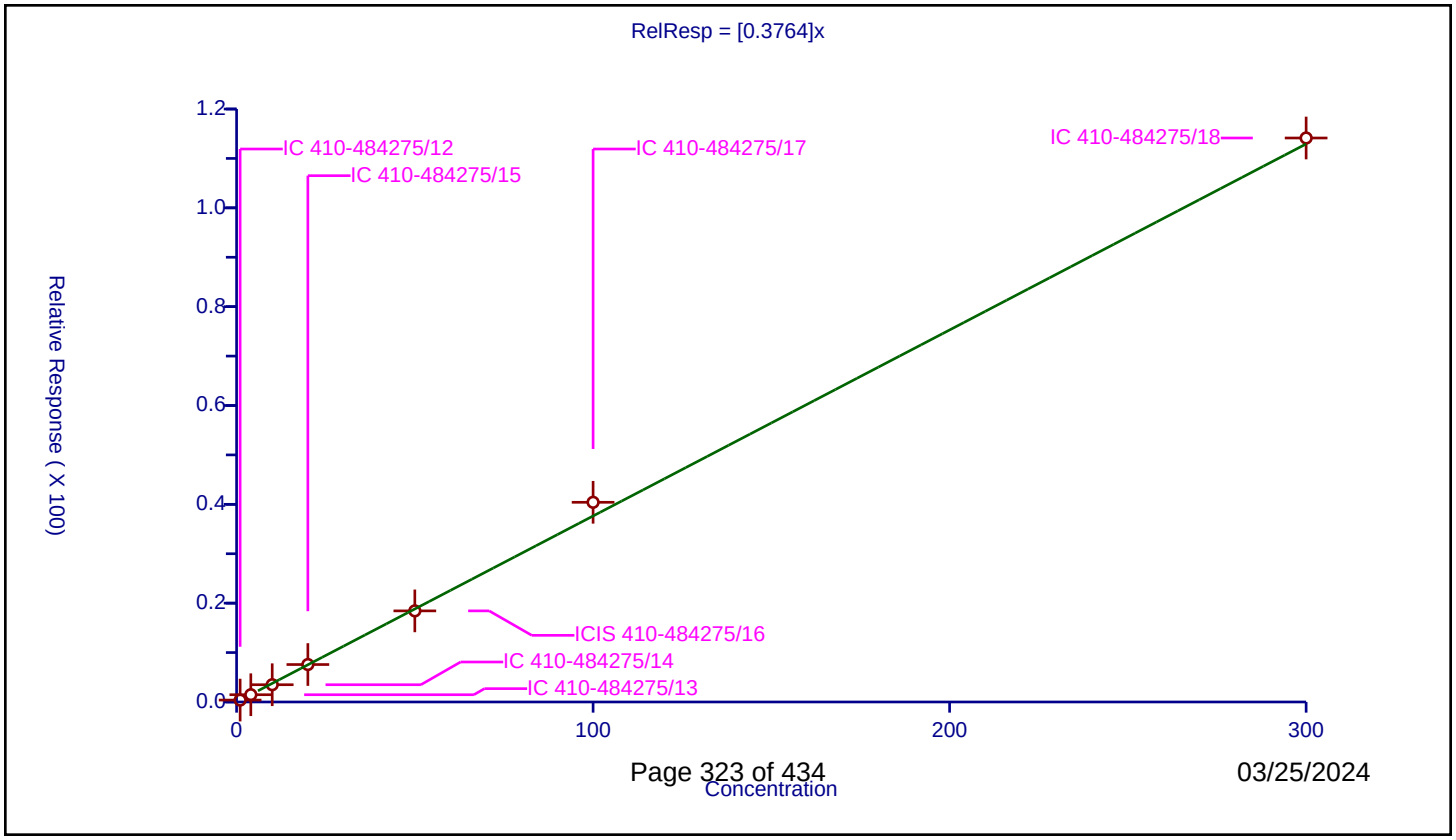
Curve Coefficients

Intercept:	0
Slope:	0.3764

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.386069	50.0	763724.0	0.386069	Y
2	IC 410-484275/13	4.0	1.469133	50.0	799247.0	0.367283	Y
3	IC 410-484275/14	10.0	3.494133	50.0	805493.0	0.349413	Y
4	IC 410-484275/15	20.0	7.57888	50.0	769177.0	0.378944	Y
5	ICIS 410-484275/16	50.0	18.436094	50.0	806749.0	0.368722	Y
6	IC 410-484275/17	100.0	40.414564	50.0	786031.0	0.404146	Y
7	IC 410-484275/18	300.0	114.132683	50.0	867843.0	0.380442	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

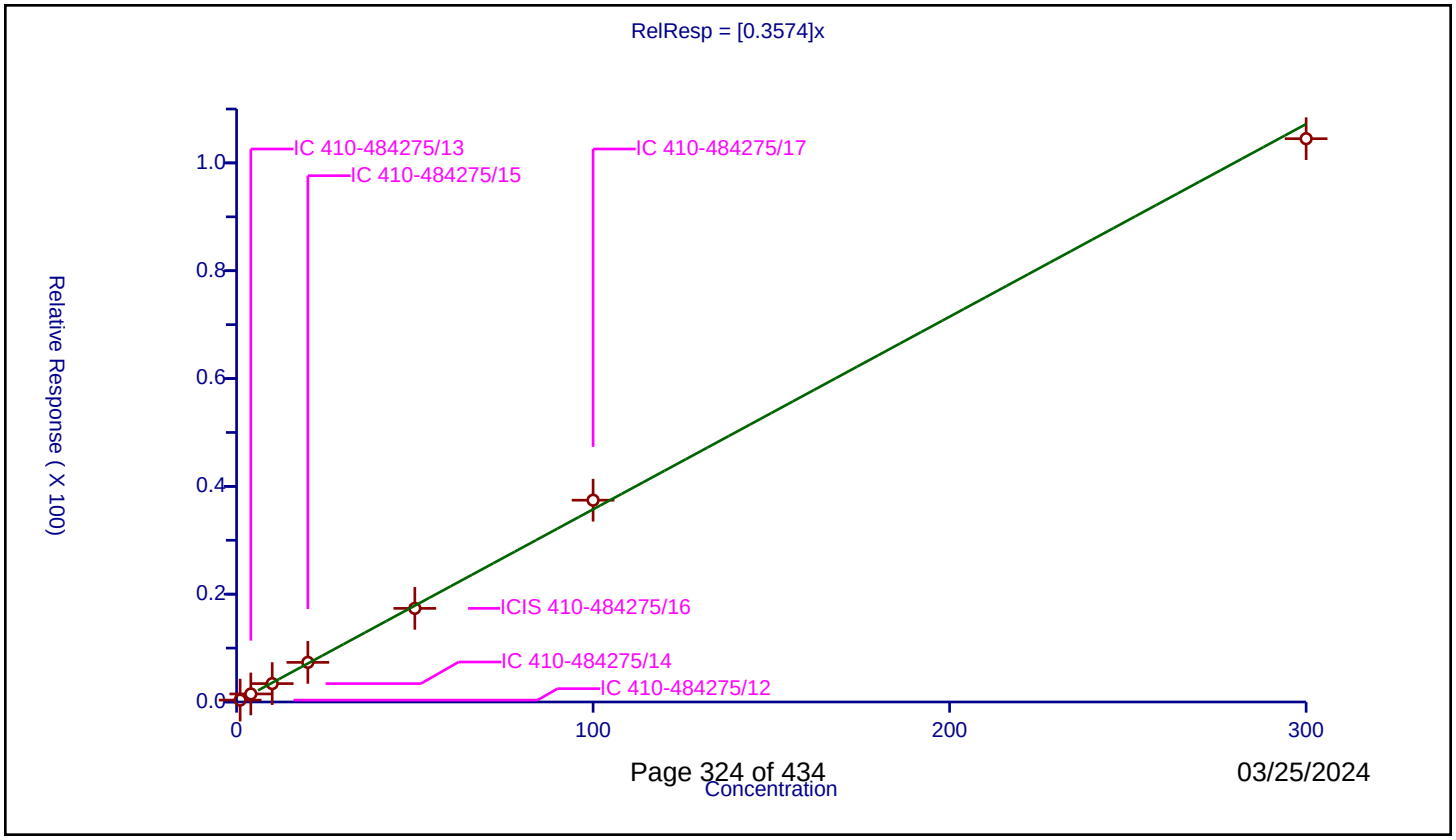
Curve Coefficients

Intercept:	0
Slope:	0.3574

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.350585	50.0	763724.0	0.350585	Y
2	IC 410-484275/13	4.0	1.489527	50.0	799247.0	0.372382	Y
3	IC 410-484275/14	10.0	3.412817	50.0	805493.0	0.341282	Y
4	IC 410-484275/15	20.0	7.347659	50.0	769177.0	0.367383	Y
5	ICIS 410-484275/16	50.0	17.365438	50.0	806749.0	0.347309	Y
6	IC 410-484275/17	100.0	37.433575	50.0	786031.0	0.374336	Y
7	IC 410-484275/18	300.0	104.49269	50.0	867843.0	0.348309	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

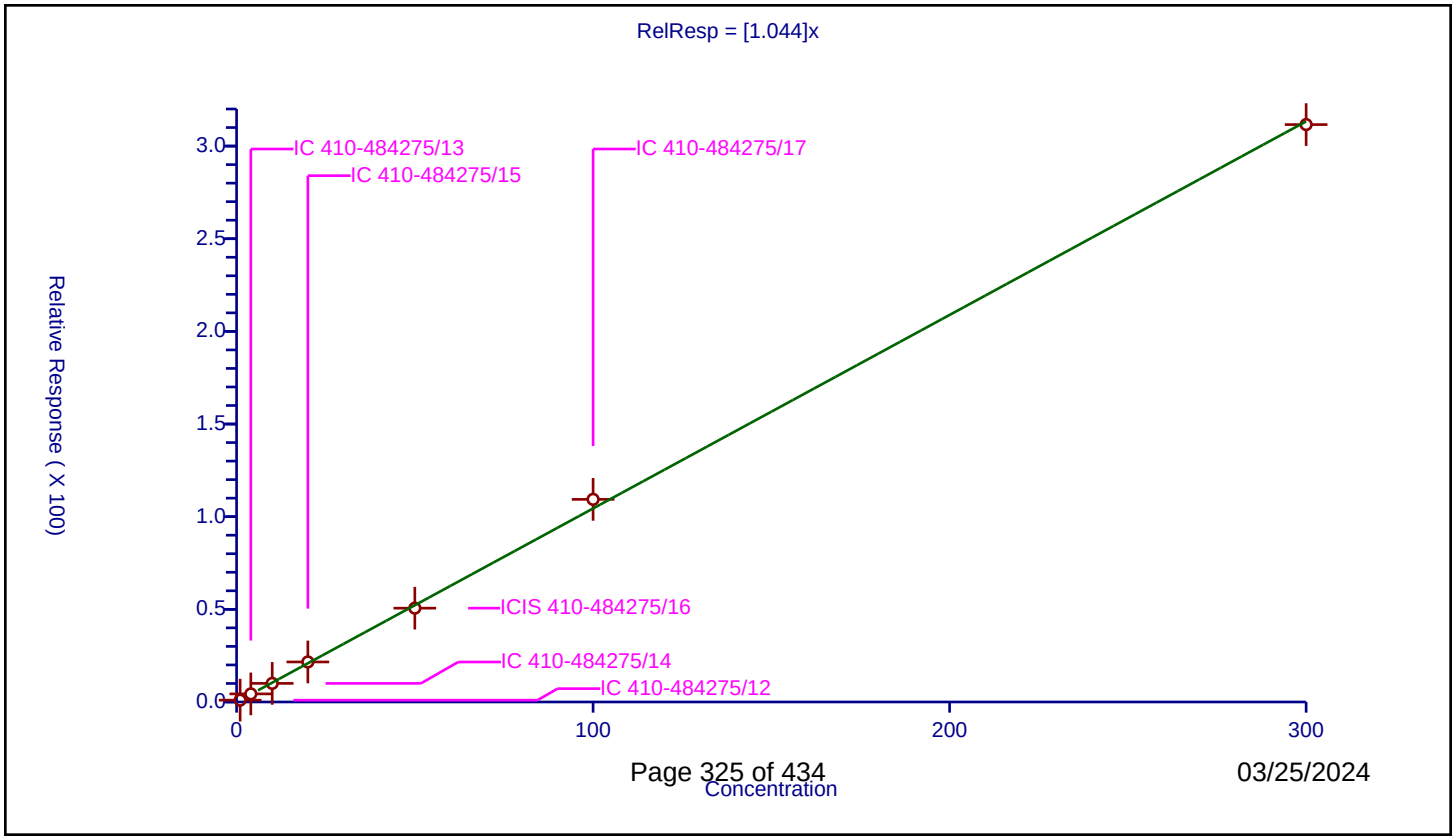
Curve Coefficients

Intercept:	0
Slope:	1.044

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.989821	50.0	763724.0	0.989821	Y
2	IC 410-484275/13	4.0	4.368362	50.0	799247.0	1.09209	Y
3	IC 410-484275/14	10.0	10.032303	50.0	805493.0	1.00323	Y
4	IC 410-484275/15	20.0	21.606665	50.0	769177.0	1.080333	Y
5	ICIS 410-484275/16	50.0	50.639976	50.0	806749.0	1.0128	Y
6	IC 410-484275/17	100.0	109.353512	50.0	786031.0	1.093535	Y
7	IC 410-484275/18	300.0	311.598815	50.0	867843.0	1.038663	Y



Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

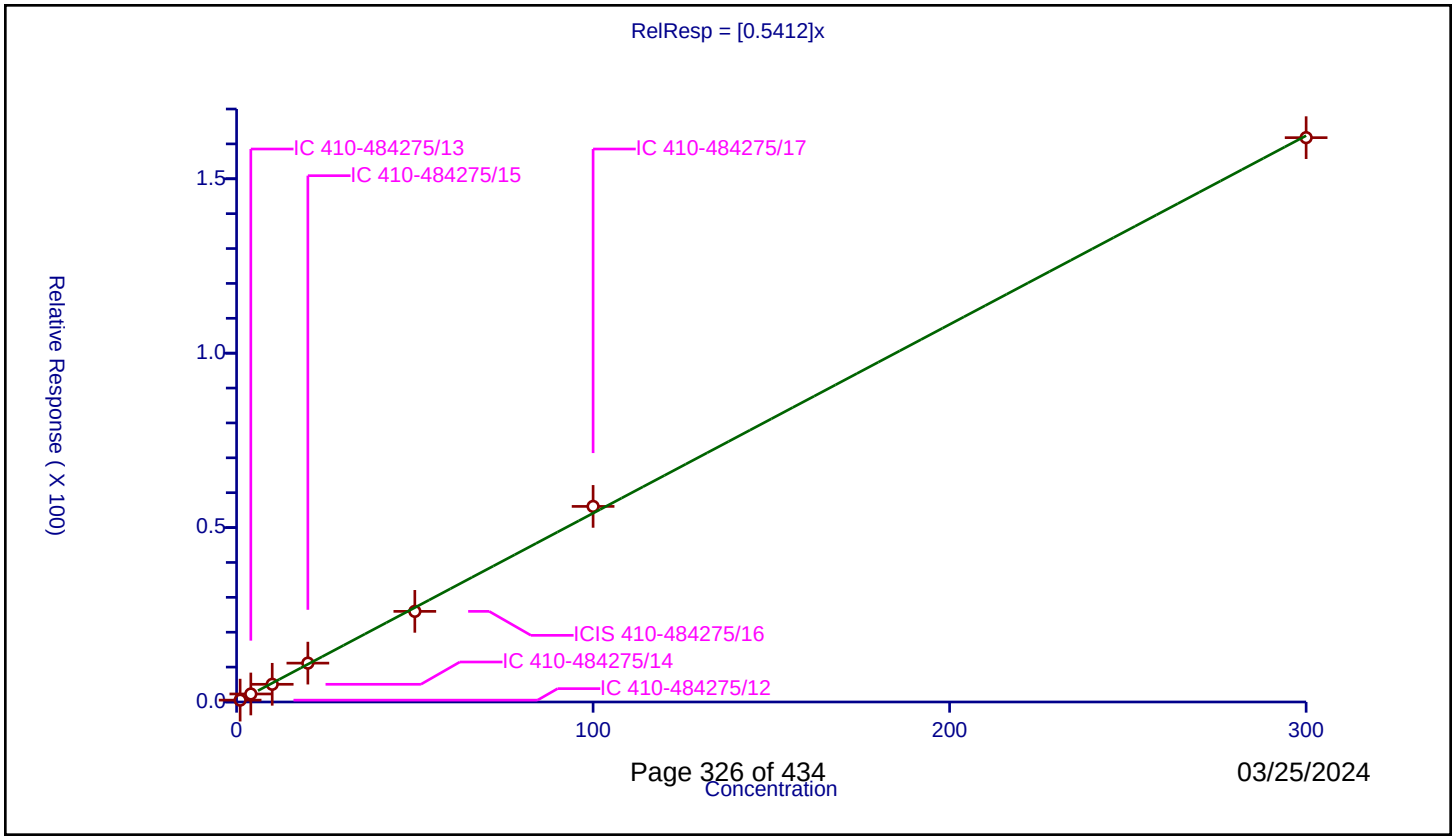
Curve Coefficients

Intercept:	0
Slope:	0.5412

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.529576	50.0	763724.0	0.529576	Y
2	IC 410-484275/13	4.0	2.298538	50.0	799247.0	0.574635	Y
3	IC 410-484275/14	10.0	5.072856	50.0	805493.0	0.507286	Y
4	IC 410-484275/15	20.0	11.145094	50.0	769177.0	0.557255	Y
5	ICIS 410-484275/16	50.0	25.979704	50.0	806749.0	0.519594	Y
6	IC 410-484275/17	100.0	56.071198	50.0	786031.0	0.560712	Y
7	IC 410-484275/18	300.0	161.787328	50.0	867843.0	0.539291	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

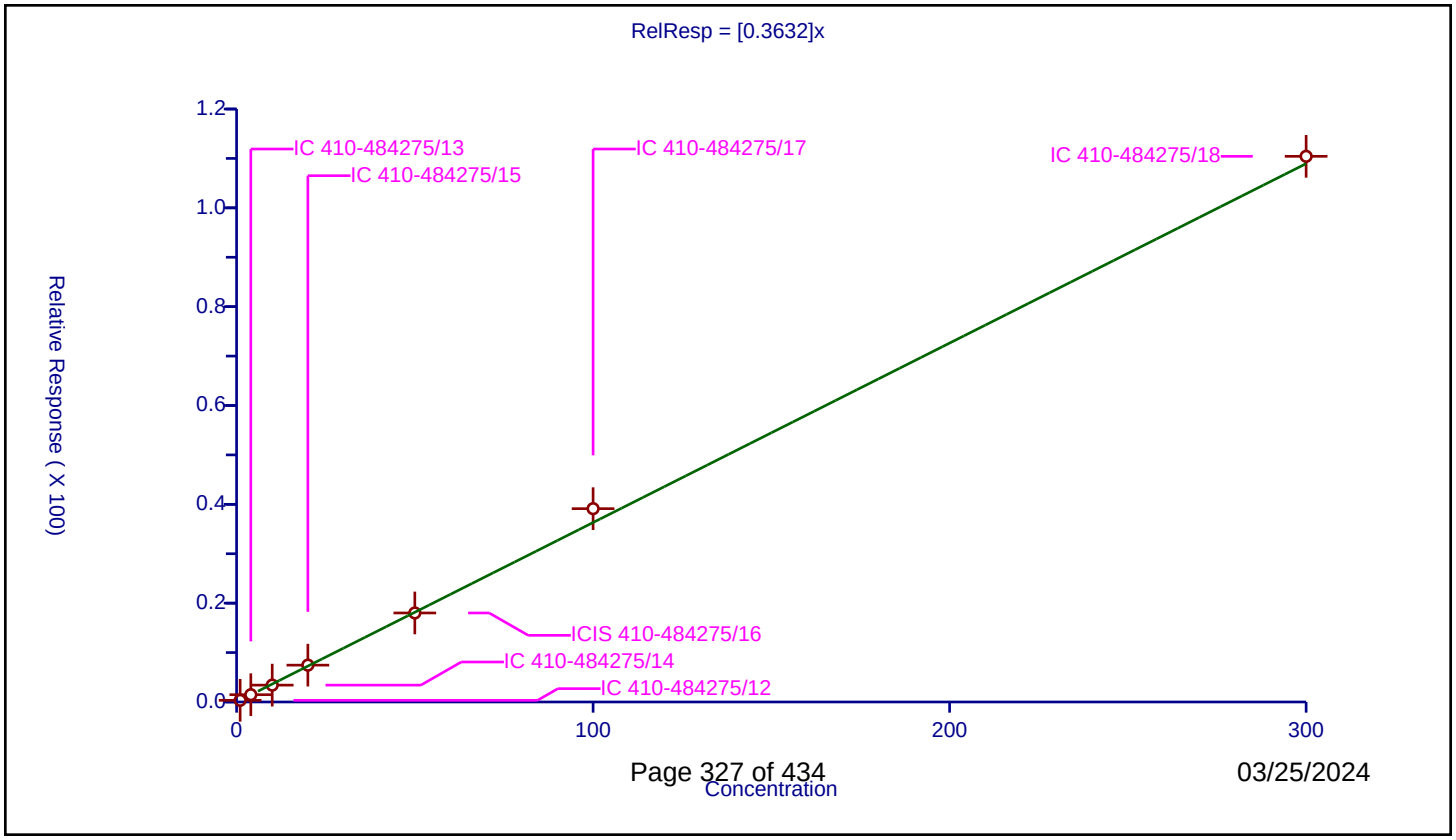
Curve Coefficients

Intercept:	0
Slope:	0.3632

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.339455	50.0	763724.0	0.339455	Y
2	IC 410-484275/13	4.0	1.475076	50.0	799247.0	0.368769	Y
3	IC 410-484275/14	10.0	3.413313	50.0	805493.0	0.341331	Y
4	IC 410-484275/15	20.0	7.456671	50.0	769177.0	0.372834	Y
5	ICIS 410-484275/16	50.0	18.018925	50.0	806749.0	0.360379	Y
6	IC 410-484275/17	100.0	39.122121	50.0	786031.0	0.391221	Y
7	IC 410-484275/18	300.0	110.42896	50.0	867843.0	0.368097	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

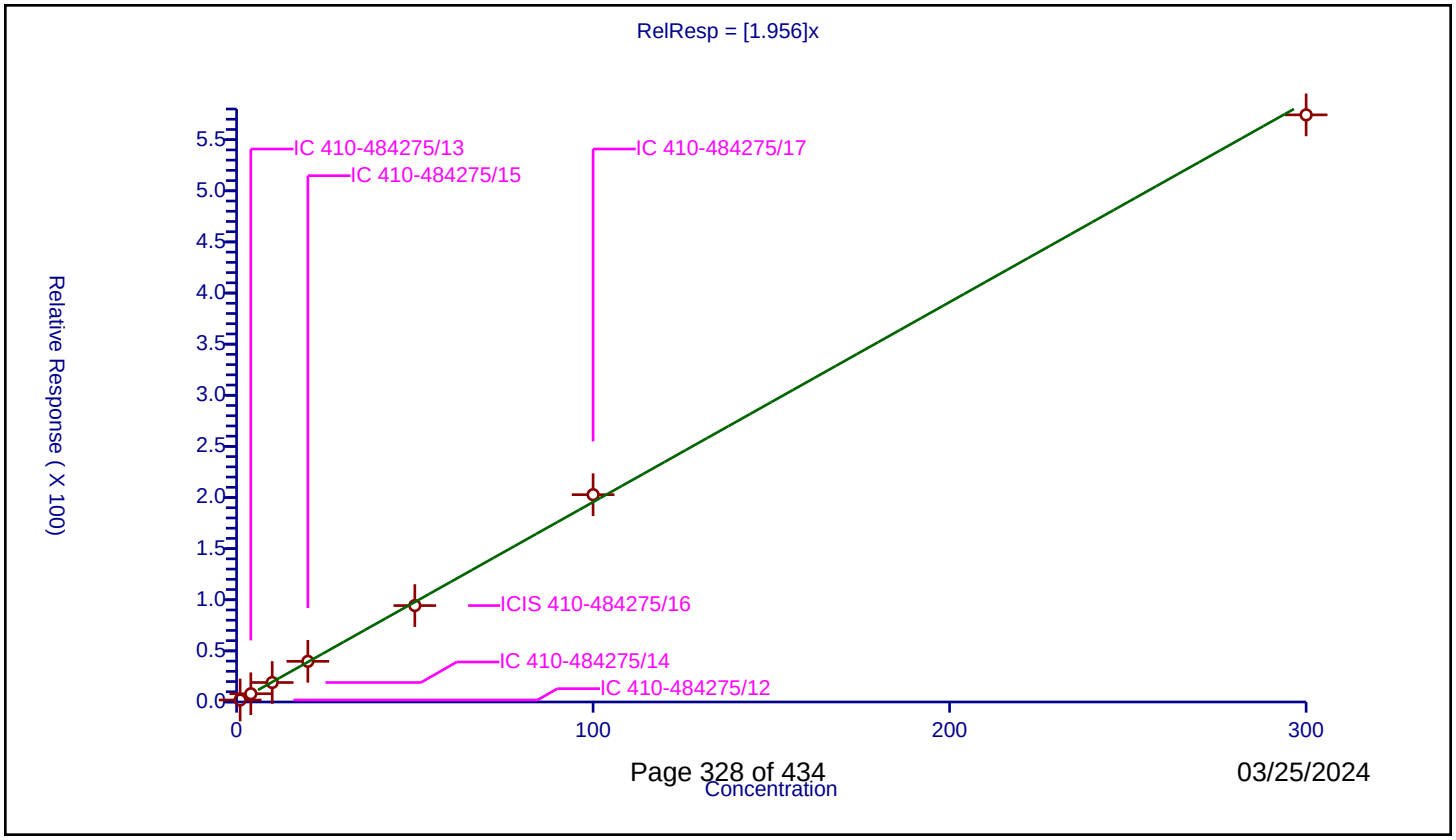
Curve Coefficients

Intercept:	0
Slope:	1.956

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	1.952538	50.0	763724.0	1.952538	Y
2	IC 410-484275/13	4.0	8.061901	50.0	799247.0	2.015475	Y
3	IC 410-484275/14	10.0	19.056342	50.0	805493.0	1.905634	Y
4	IC 410-484275/15	20.0	39.755999	50.0	769177.0	1.9878	Y
5	ICIS 410-484275/16	50.0	94.308453	50.0	806749.0	1.886169	Y
6	IC 410-484275/17	100.0	202.772219	50.0	786031.0	2.027722	Y
7	IC 410-484275/18	300.0	574.2787	50.0	867843.0	1.914262	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

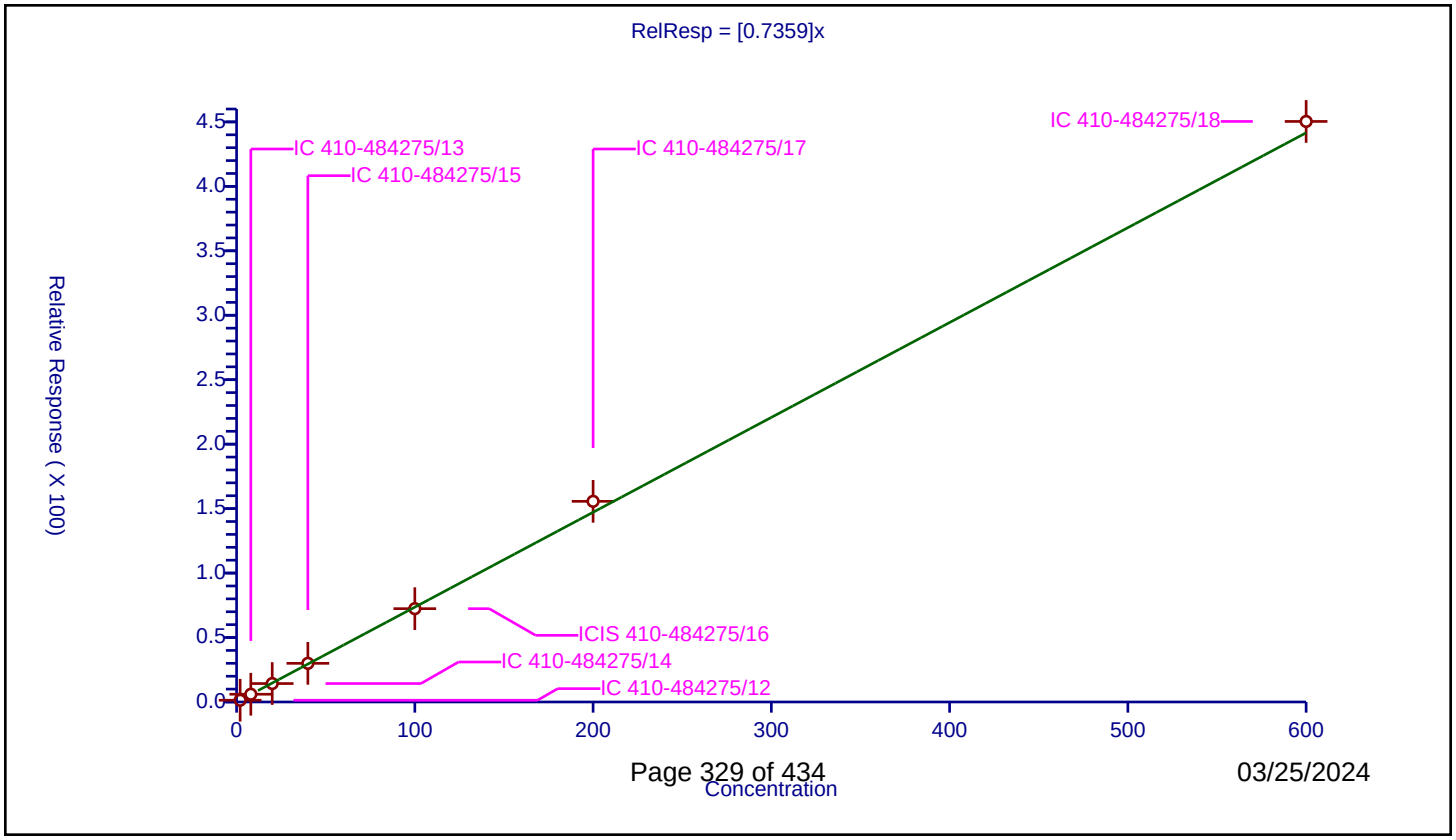
Curve Coefficients

Intercept:	0
Slope:	0.7359

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	2.0	1.362403	50.0	763724.0	0.681202	Y
2	IC 410-484275/13	8.0	6.017852	50.0	799247.0	0.752231	Y
3	IC 410-484275/14	20.0	14.310491	50.0	805493.0	0.715525	Y
4	IC 410-484275/15	40.0	29.980161	50.0	769177.0	0.749504	Y
5	ICIS 410-484275/16	100.0	72.389678	50.0	806749.0	0.723897	Y
6	IC 410-484275/17	200.0	155.664217	50.0	786031.0	0.778321	Y
7	IC 410-484275/18	600.0	450.359282	50.0	867843.0	0.750599	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

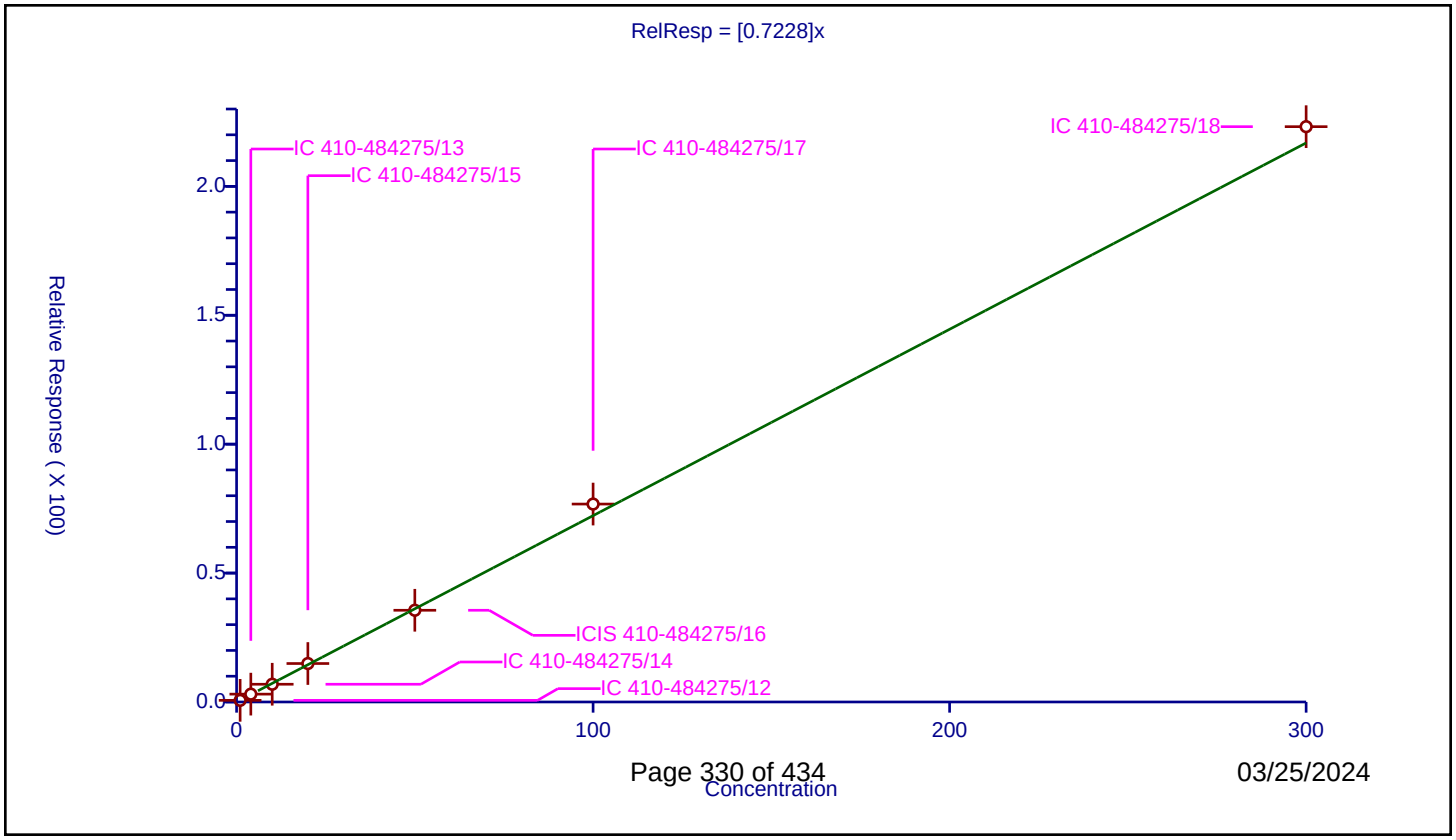
Curve Coefficients

Intercept:	0
Slope:	0.7228

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.639956	50.0	763724.0	0.639956	Y
2	IC 410-484275/13	4.0	3.050183	50.0	799247.0	0.762546	Y
3	IC 410-484275/14	10.0	6.881934	50.0	805493.0	0.688193	Y
4	IC 410-484275/15	20.0	14.915943	50.0	769177.0	0.745797	Y
5	ICIS 410-484275/16	50.0	35.578352	50.0	806749.0	0.711567	Y
6	IC 410-484275/17	100.0	76.76911	50.0	786031.0	0.767691	Y
7	IC 410-484275/18	300.0	223.149464	50.0	867843.0	0.743832	Y



Calibration / n-Butyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

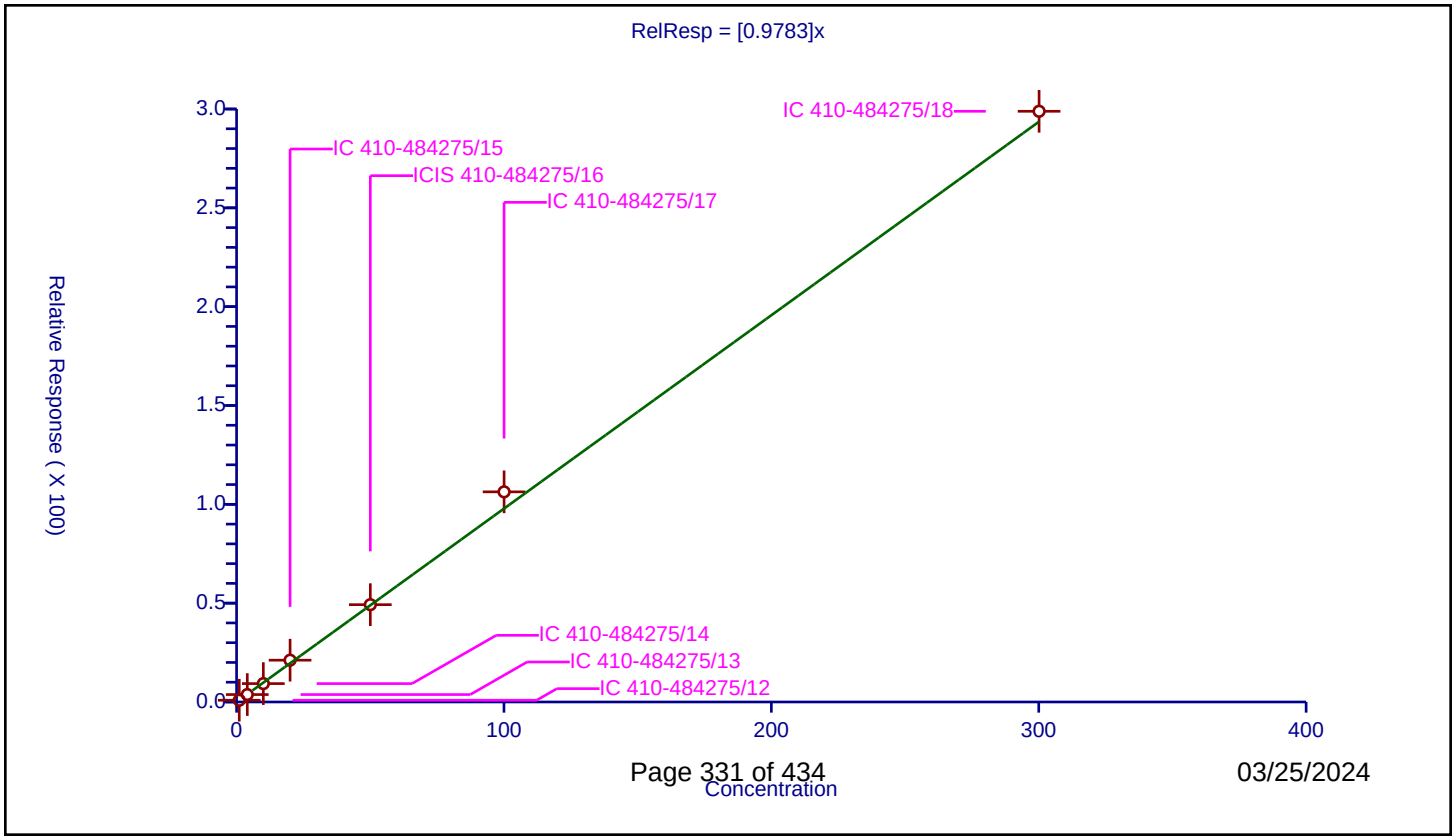
Curve Coefficients

Intercept:	0
Slope:	0.9783

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.000464	0.879834	50.0	763724.0	0.879426	Y
2	IC 410-484275/13	4.001854	3.761853	50.0	799247.0	0.940028	Y
3	IC 410-484275/14	10.004636	9.298219	50.0	805493.0	0.929391	Y
4	IC 410-484275/15	20.009272	21.142273	50.0	769177.0	1.056624	Y
5	ICIS 410-484275/16	50.02318	49.232785	50.0	806749.0	0.984199	Y
6	IC 410-484275/17	100.04636	106.312537	50.0	786031.0	1.062633	Y
7	IC 410-484275/18	300.13908	298.856994	50.0	867843.0	0.995728	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

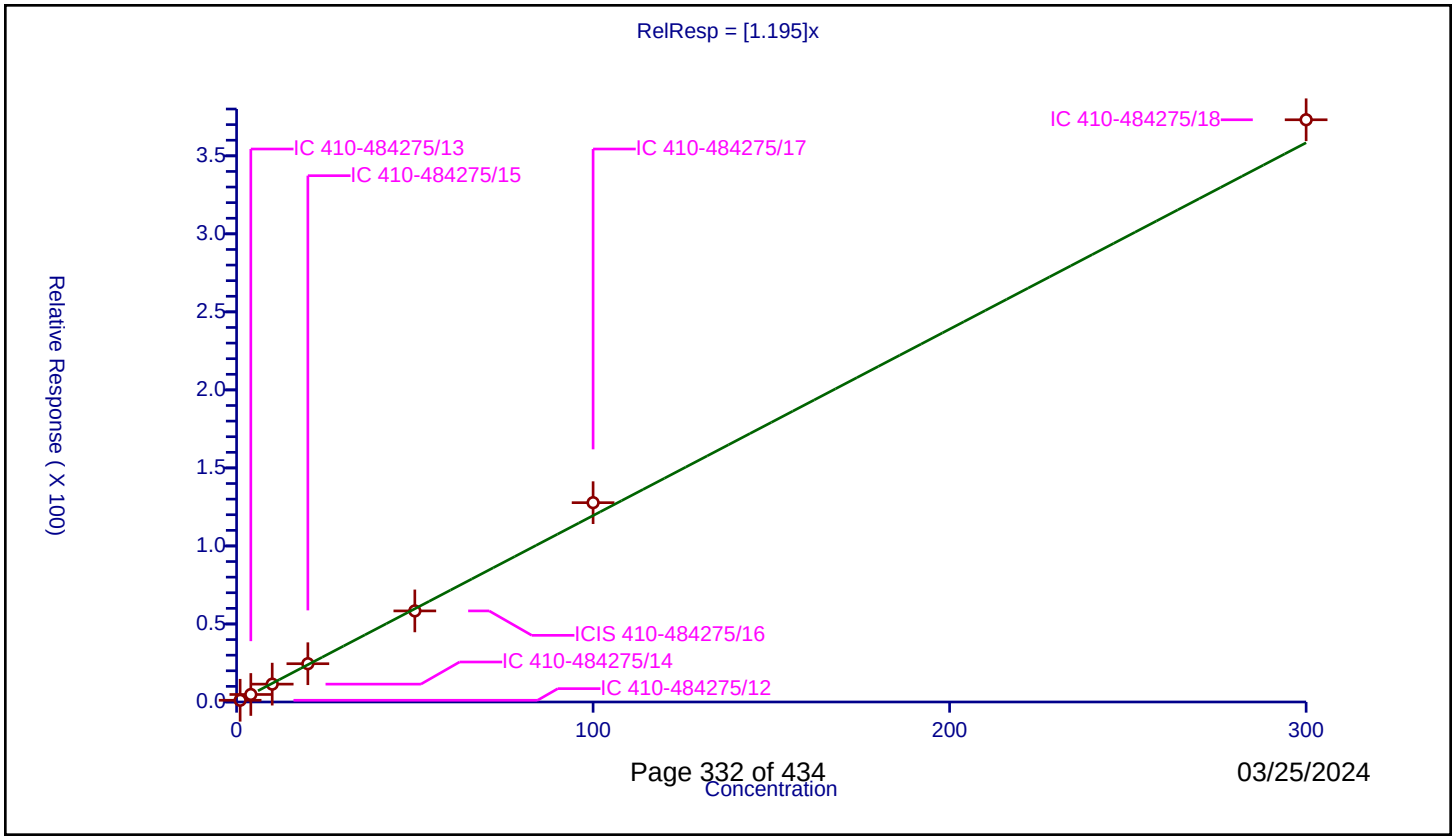
Curve Coefficients

Intercept:	0
Slope:	1.195

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	1.100921	50.0	763724.0	1.100921	Y
2	IC 410-484275/13	4.0	4.808276	50.0	799247.0	1.202069	Y
3	IC 410-484275/14	10.0	11.441254	50.0	805493.0	1.144125	Y
4	IC 410-484275/15	20.0	24.5333	50.0	769177.0	1.226665	Y
5	ICIS 410-484275/16	50.0	58.372617	50.0	806749.0	1.167452	Y
6	IC 410-484275/17	100.0	127.739555	50.0	786031.0	1.277396	Y
7	IC 410-484275/18	300.0	373.113973	50.0	867843.0	1.243713	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

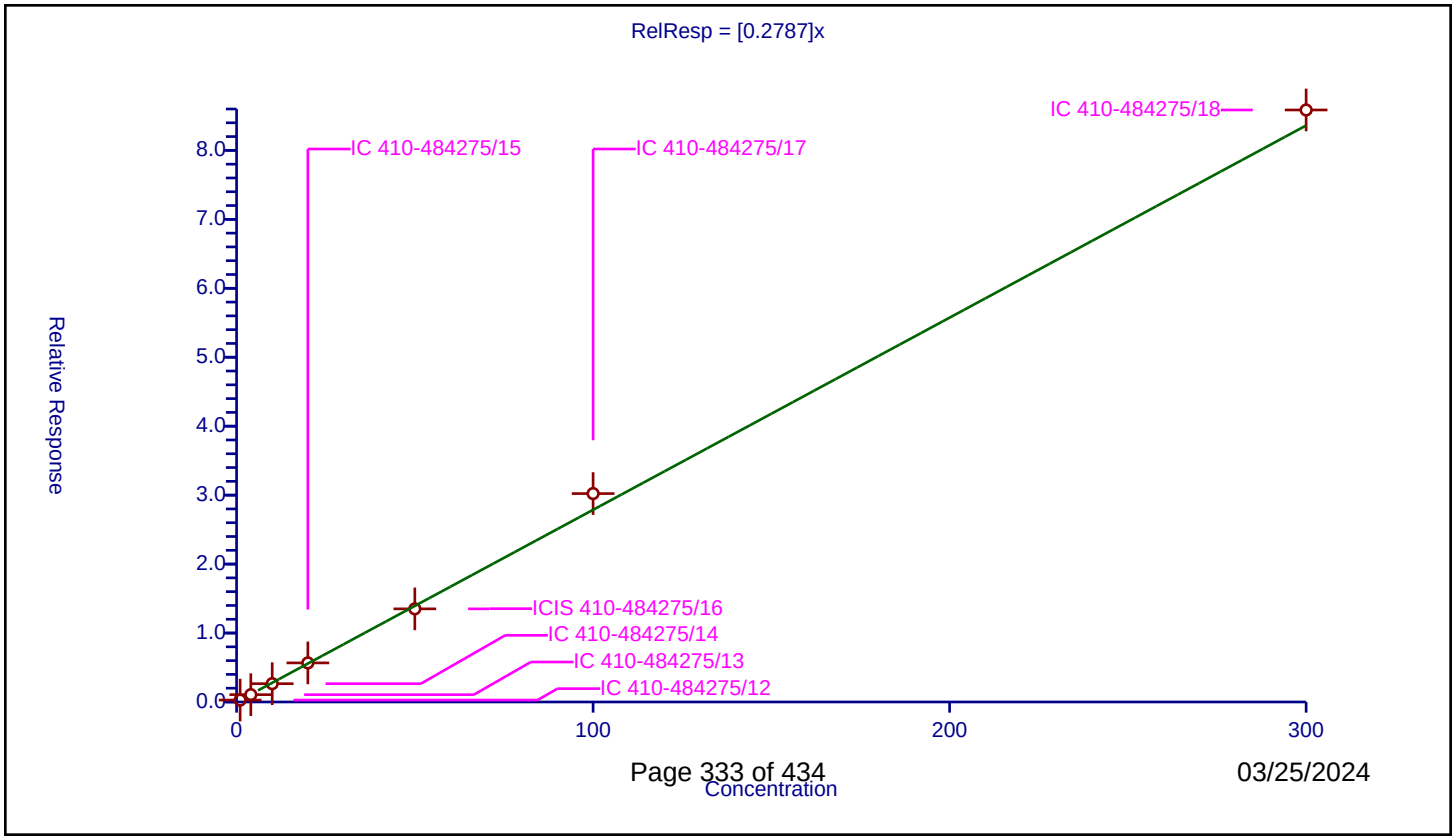
Curve Coefficients

Intercept:	0
Slope:	0.2787

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.278045	50.0	763724.0	0.278045	Y
2	IC 410-484275/13	4.0	1.060561	50.0	799247.0	0.26514	Y
3	IC 410-484275/14	10.0	2.656634	50.0	805493.0	0.265663	Y
4	IC 410-484275/15	20.0	5.668461	50.0	769177.0	0.283423	Y
5	ICIS 410-484275/16	50.0	13.507919	50.0	806749.0	0.270158	Y
6	IC 410-484275/17	100.0	30.227815	50.0	786031.0	0.302278	Y
7	IC 410-484275/18	300.0	85.86023	50.0	867843.0	0.286201	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

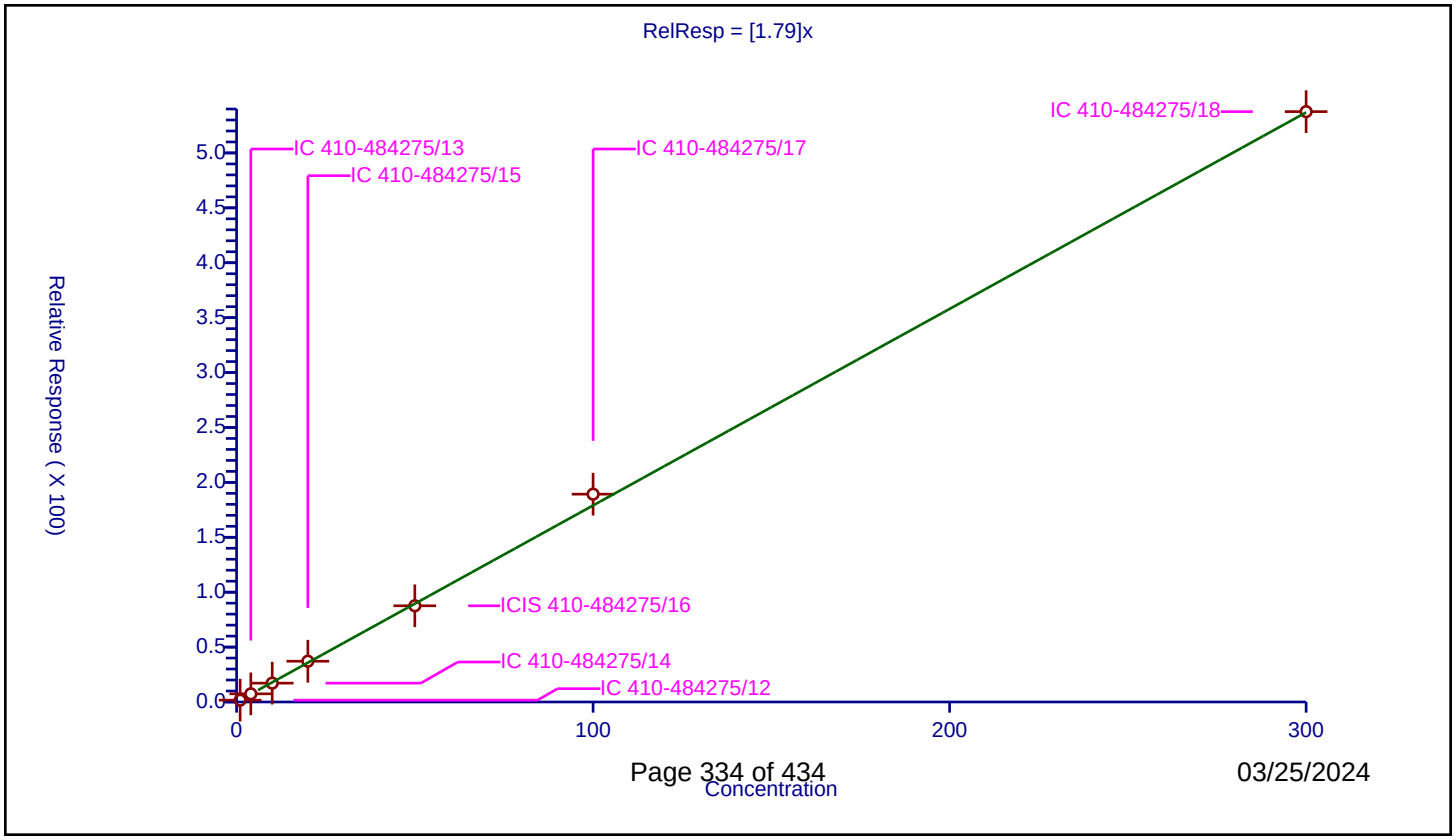
Curve Coefficients

Intercept:	0
Slope:	1.79

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	1.662381	50.0	763724.0	1.662381	Y
2	IC 410-484275/13	4.0	7.428242	50.0	799247.0	1.85706	Y
3	IC 410-484275/14	10.0	17.16365	50.0	805493.0	1.716365	Y
4	IC 410-484275/15	20.0	37.11987	50.0	769177.0	1.855993	Y
5	ICIS 410-484275/16	50.0	87.594903	50.0	806749.0	1.751898	Y
6	IC 410-484275/17	100.0	189.263273	50.0	786031.0	1.892633	Y
7	IC 410-484275/18	300.0	537.630309	50.0	867843.0	1.792101	Y



Calibration / Cyclohexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

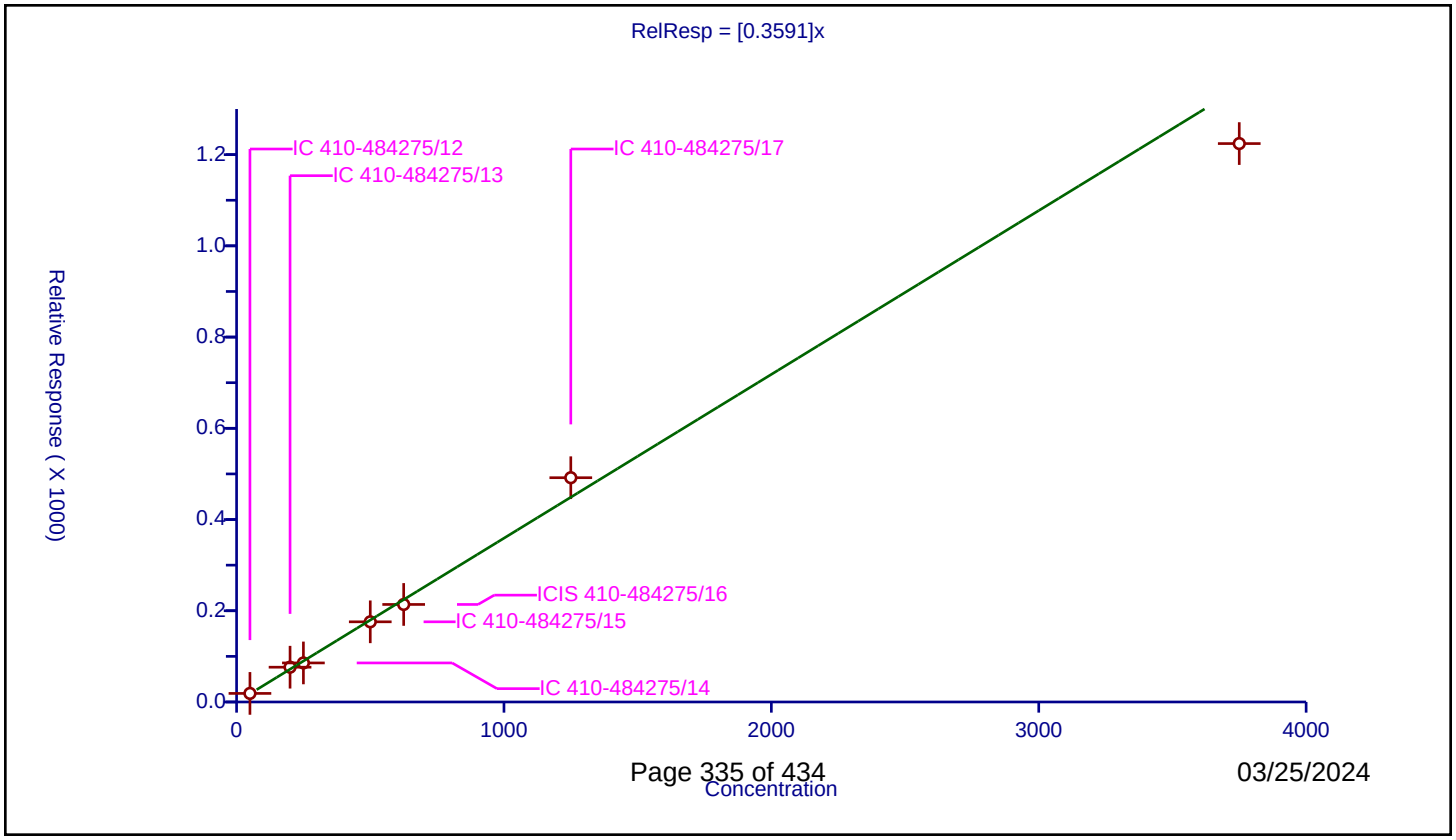
Curve Coefficients

Intercept:	0
Slope:	0.3591

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	49.998492	18.805888	250.0	208339.0	0.376129	Y
2	IC 410-484275/13	199.993968	76.285492	250.0	215929.0	0.381439	Y
3	IC 410-484275/14	249.99246	85.63913	250.0	218688.0	0.342567	Y
4	IC 410-484275/15	499.98492	175.764253	250.0	214425.0	0.351539	Y
5	ICIS 410-484275/16	624.98115	213.854779	250.0	220202.0	0.342178	Y
6	IC 410-484275/17	1249.9623	491.711997	250.0	219866.0	0.393381	Y
7	IC 410-484275/18	3749.8869	1224.25966	250.0	227328.0	0.326479	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

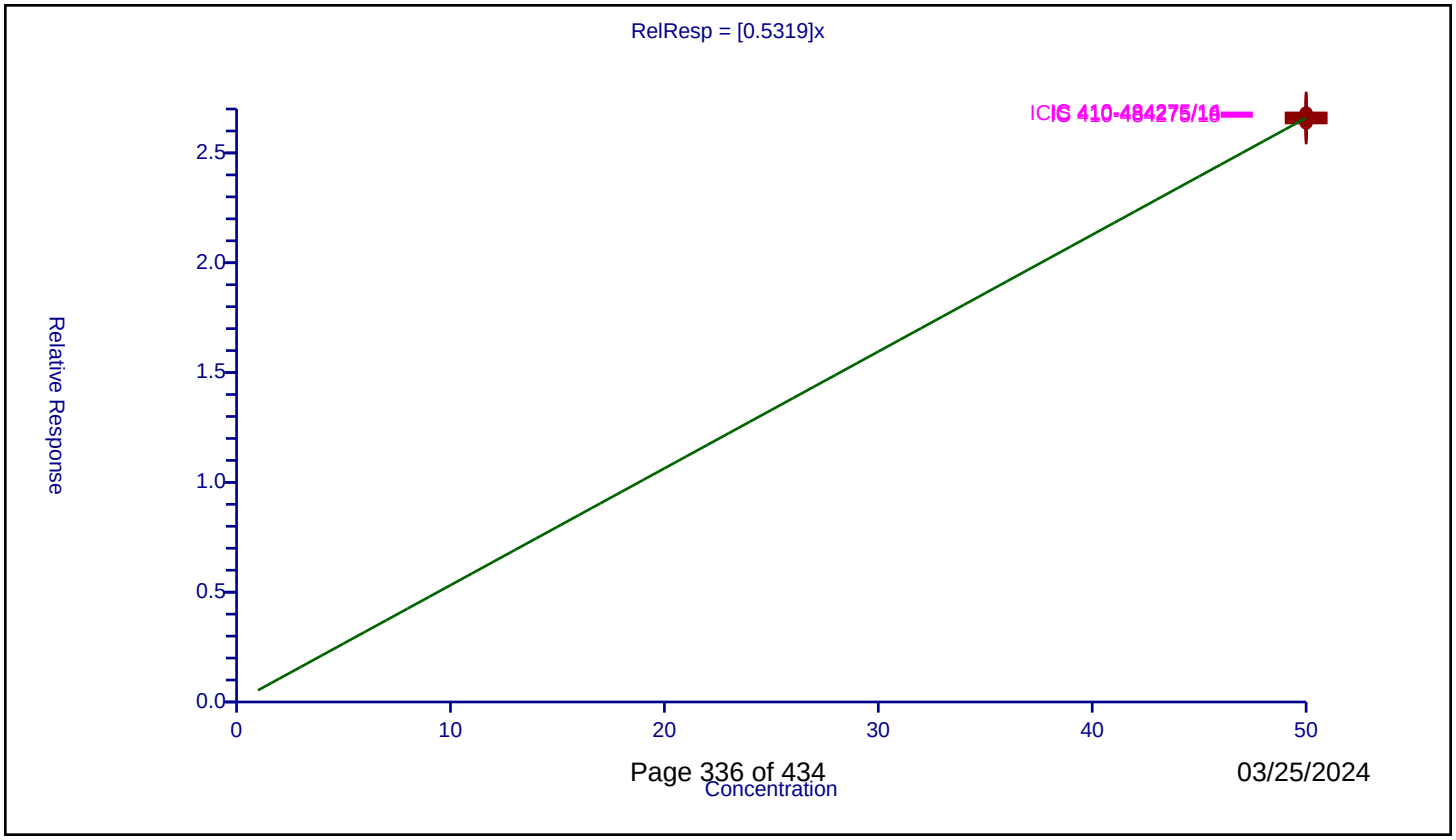
Curve Coefficients

Intercept:	0
Slope:	0.5319

Error Coefficients

Relative Standard Deviation:	0.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	50.0	26.432389	50.0	763724.0	0.528648	Y
2	IC 410-484275/13	50.0	26.524278	50.0	799247.0	0.530486	Y
3	IC 410-484275/14	50.0	26.820903	50.0	805493.0	0.536418	Y
4	IC 410-484275/15	50.0	26.589719	50.0	769177.0	0.531794	Y
5	ICIS 410-484275/16	50.0	26.751877	50.0	806749.0	0.535038	Y
6	IC 410-484275/17	50.0	26.365372	50.0	786031.0	0.527307	Y
7	IC 410-484275/18	50.0	26.665192	50.0	867843.0	0.533304	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

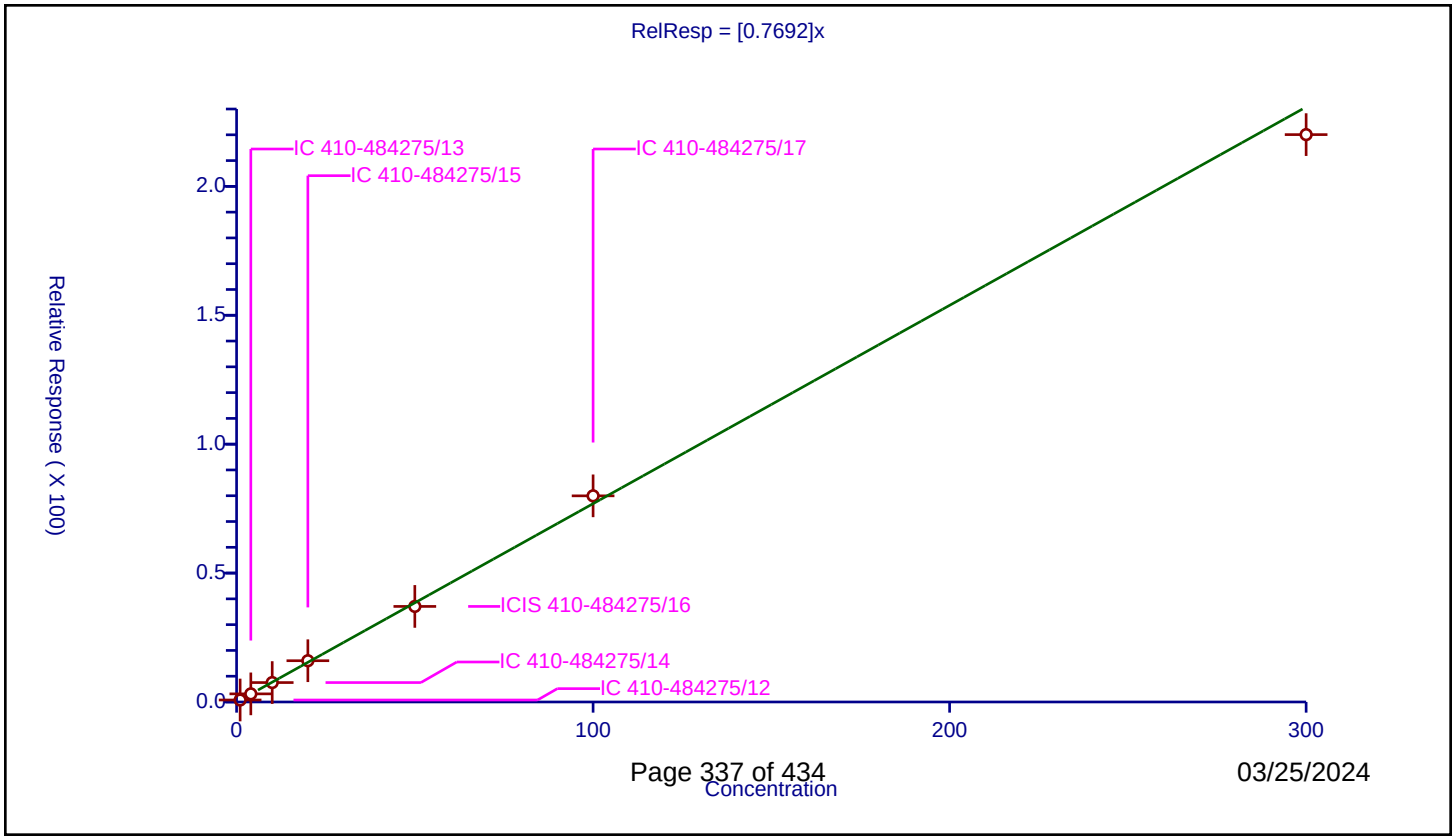
Curve Coefficients

Intercept:	0
Slope:	0.7692

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.768148	50.0	423421.0	0.768148	Y
2	IC 410-484275/13	4.0	3.152457	50.0	442623.0	0.788114	Y
3	IC 410-484275/14	10.0	7.537289	50.0	446918.0	0.753729	Y
4	IC 410-484275/15	20.0	16.004829	50.0	428680.0	0.800241	Y
5	ICIS 410-484275/16	50.0	37.069193	50.0	454380.0	0.741384	Y
6	IC 410-484275/17	100.0	79.957047	50.0	443273.0	0.79957	Y
7	IC 410-484275/18	300.0	220.068284	50.0	510659.0	0.733561	Y



Calibration / 1,1,2,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

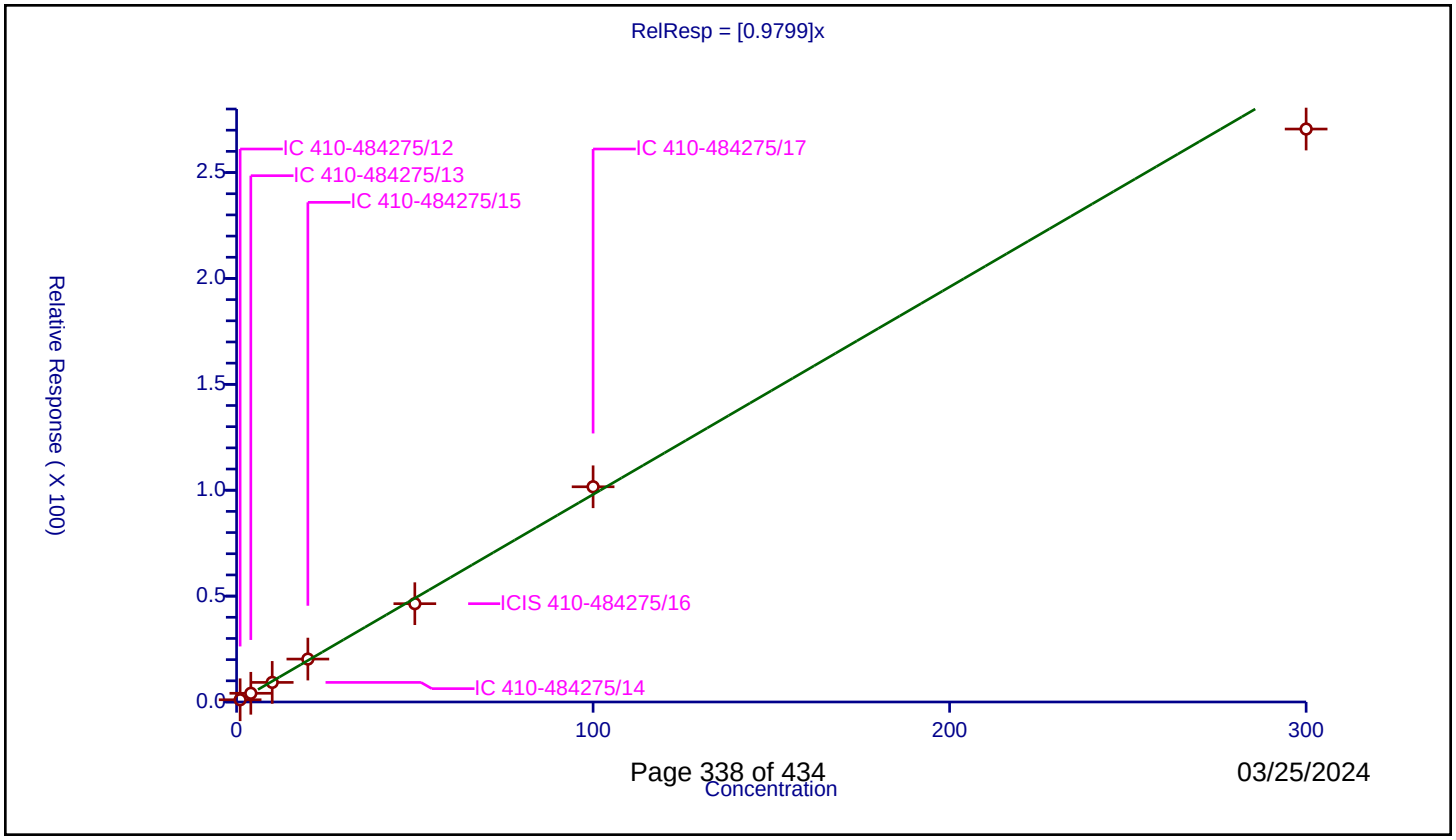
Curve Coefficients

Intercept:	0
Slope:	0.9799

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	1.048247	50.0	423421.0	1.048247	Y
2	IC 410-484275/13	4.0	4.105187	50.0	442623.0	1.026297	Y
3	IC 410-484275/14	10.0	9.251585	50.0	446918.0	0.925159	Y
4	IC 410-484275/15	20.0	20.267566	50.0	428680.0	1.013378	Y
5	ICIS 410-484275/16	50.0	46.421057	50.0	454380.0	0.928421	Y
6	IC 410-484275/17	100.0	101.621687	50.0	443273.0	1.016217	Y
7	IC 410-484275/18	300.0	270.54179	50.0	510659.0	0.901806	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

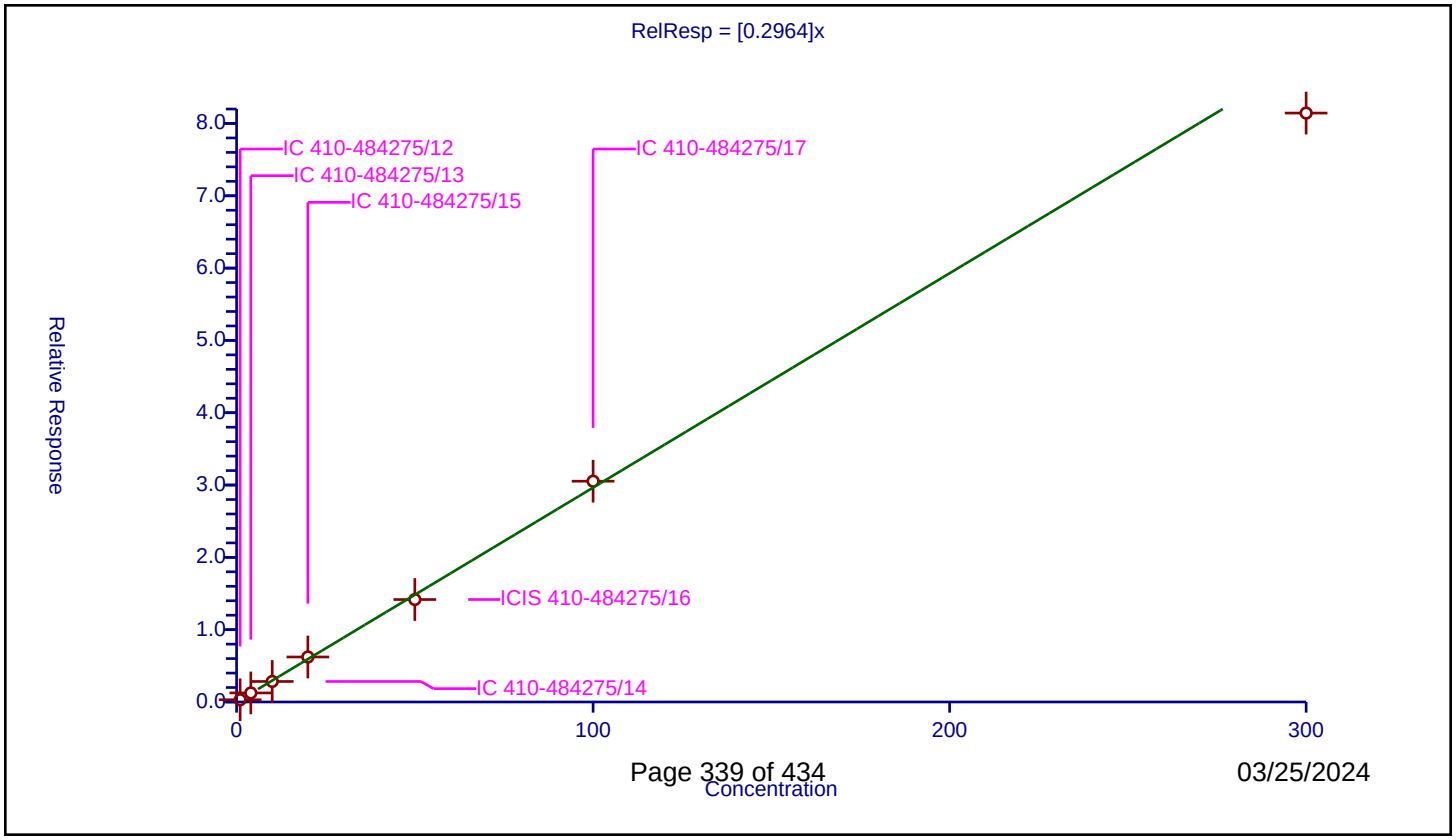
Curve Coefficients

Intercept:	0
Slope:	0.2964

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.306669	50.0	423421.0	0.306669	Y
2	IC 410-484275/13	4.0	1.253098	50.0	442623.0	0.313275	Y
3	IC 410-484275/14	10.0	2.838776	50.0	446918.0	0.283878	Y
4	IC 410-484275/15	20.0	6.222007	50.0	428680.0	0.3111	Y
5	ICIS 410-484275/16	50.0	14.170628	50.0	454380.0	0.283413	Y
6	IC 410-484275/17	100.0	30.532651	50.0	443273.0	0.305327	Y
7	IC 410-484275/18	300.0	81.439277	50.0	510659.0	0.271464	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

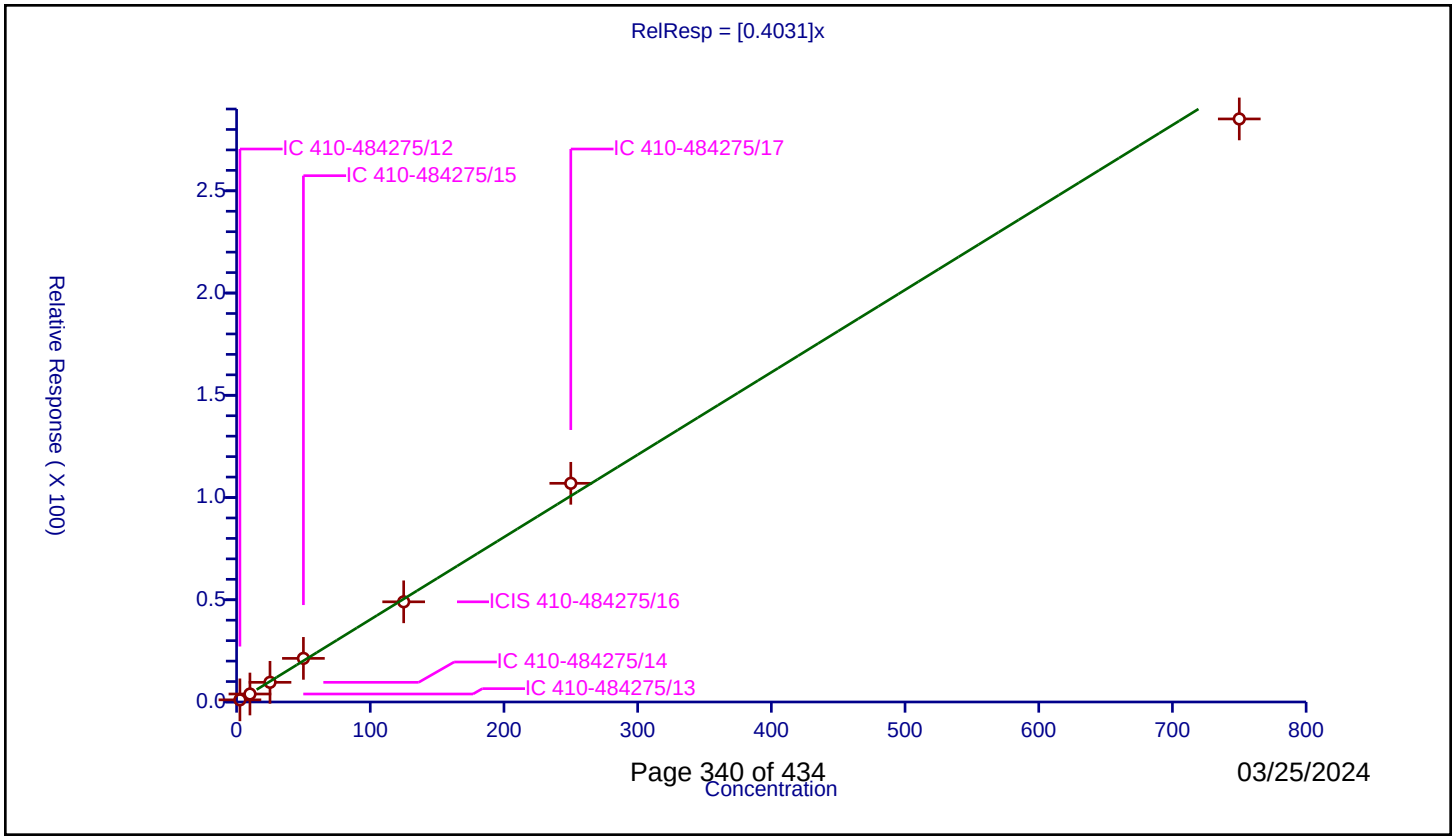
Curve Coefficients

Intercept:	0
Slope:	0.4031

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	2.5	1.050491	50.0	423421.0	0.420196	Y
2	IC 410-484275/13	10.0	3.901627	50.0	442623.0	0.390163	Y
3	IC 410-484275/14	25.0	9.614404	50.0	446918.0	0.384576	Y
4	IC 410-484275/15	50.0	21.331296	50.0	428680.0	0.426626	Y
5	ICIS 410-484275/16	125.0	48.987411	50.0	454380.0	0.391899	Y
6	IC 410-484275/17	250.0	106.944028	50.0	443273.0	0.427776	Y
7	IC 410-484275/18	750.0	285.153791	50.0	510659.0	0.380205	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

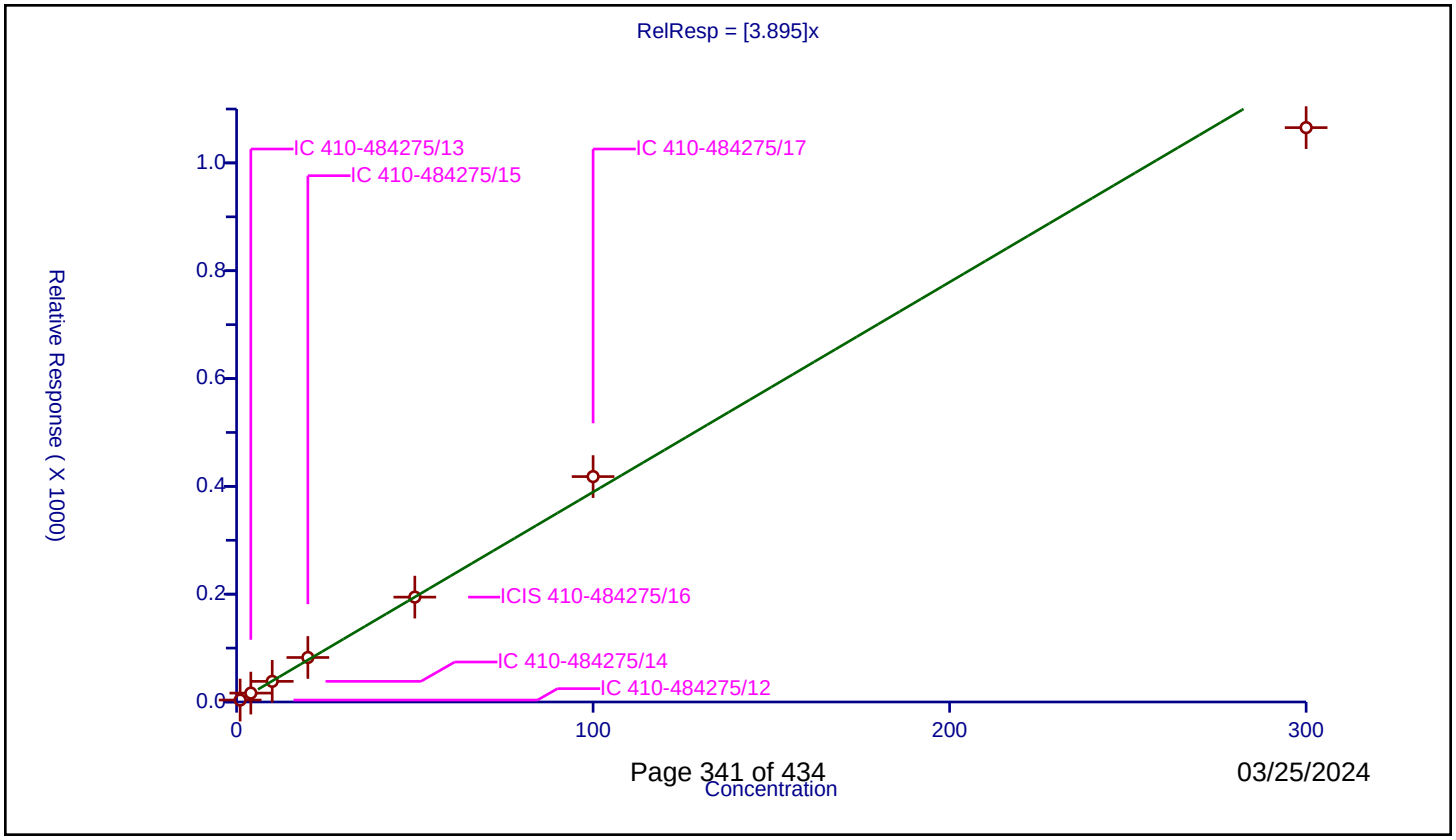
Curve Coefficients

Intercept:	0
Slope:	3.895

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	3.56194	50.0	423421.0	3.56194	Y
2	IC 410-484275/13	4.0	16.498917	50.0	442623.0	4.124729	Y
3	IC 410-484275/14	10.0	38.247956	50.0	446918.0	3.824796	Y
4	IC 410-484275/15	20.0	82.528926	50.0	428680.0	4.126446	Y
5	ICIS 410-484275/16	50.0	194.543664	50.0	454380.0	3.890873	Y
6	IC 410-484275/17	100.0	418.147394	50.0	443273.0	4.181474	Y
7	IC 410-484275/18	300.0	1065.485872	50.0	510659.0	3.55162	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

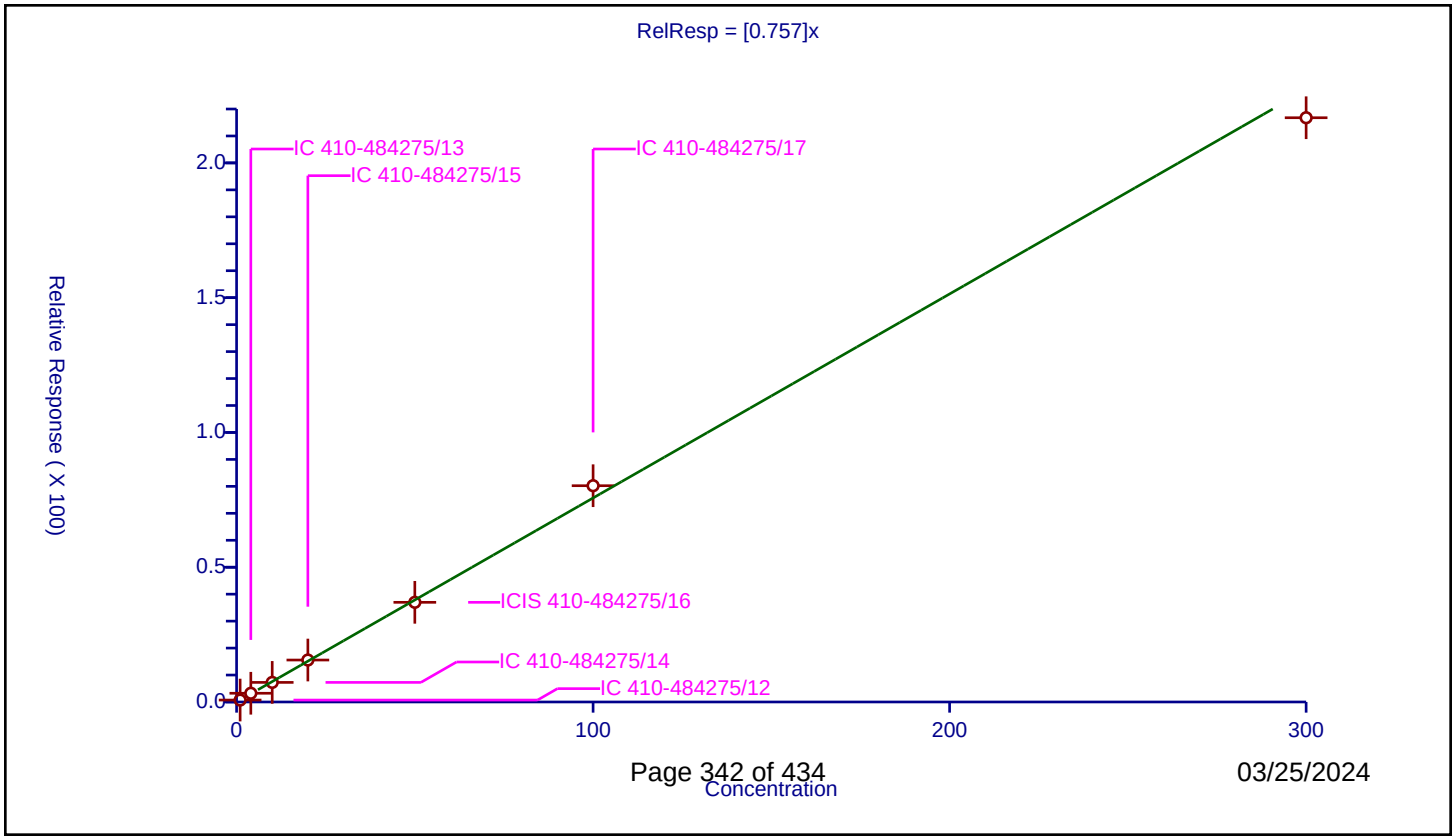
Curve Coefficients

Intercept:	0
Slope:	0.757

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.719969	50.0	423421.0	0.719969	Y
2	IC 410-484275/13	4.0	3.236614	50.0	442623.0	0.809154	Y
3	IC 410-484275/14	10.0	7.266322	50.0	446918.0	0.726632	Y
4	IC 410-484275/15	20.0	15.571172	50.0	428680.0	0.778559	Y
5	ICIS 410-484275/16	50.0	36.973568	50.0	454380.0	0.739471	Y
6	IC 410-484275/17	100.0	80.238363	50.0	443273.0	0.802384	Y
7	IC 410-484275/18	300.0	216.759912	50.0	510659.0	0.722533	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

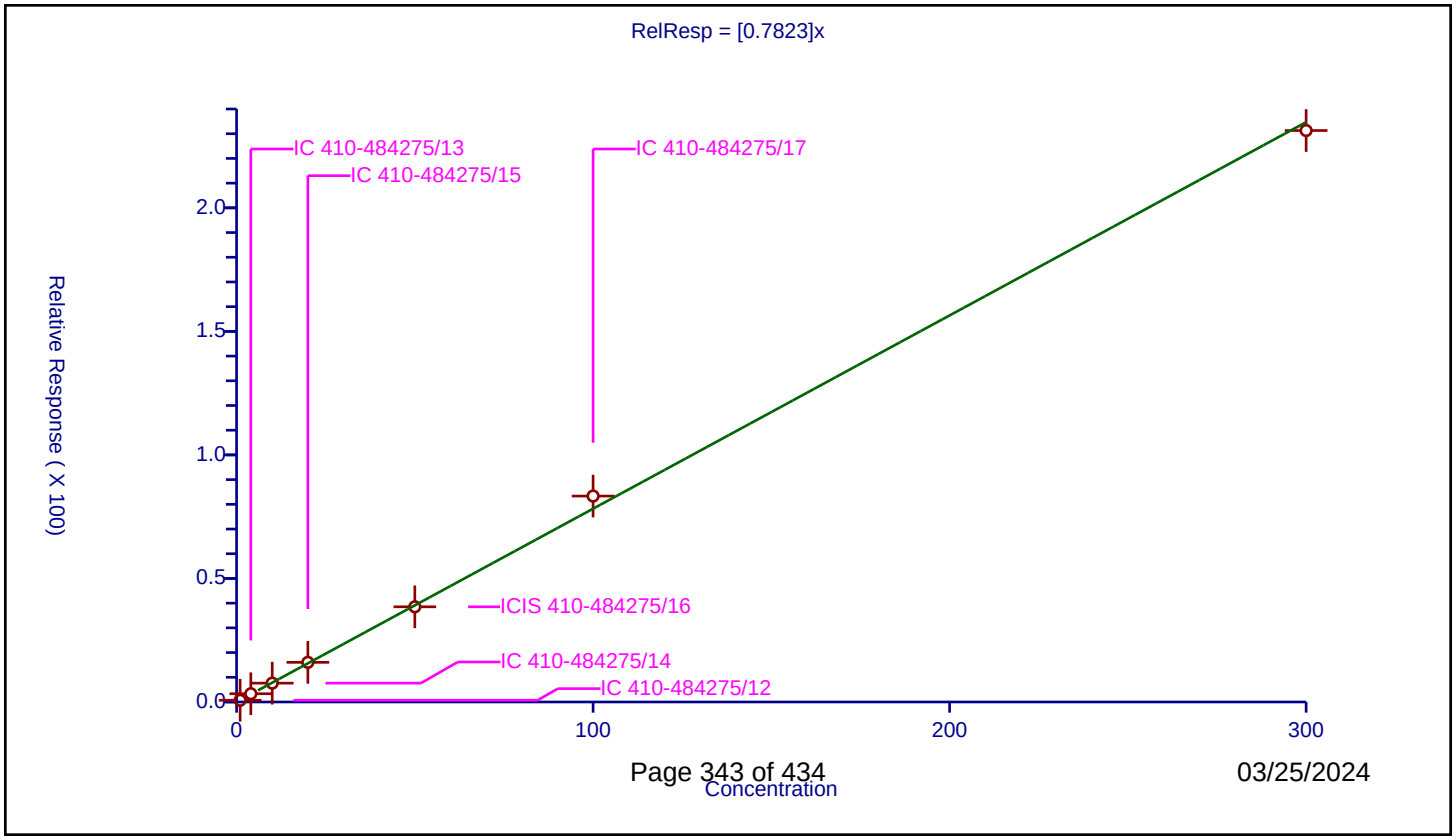
Curve Coefficients

Intercept:	0
Slope:	0.7823

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.700249	50.0	423421.0	0.700249	Y
2	IC 410-484275/13	4.0	3.342009	50.0	442623.0	0.835502	Y
3	IC 410-484275/14	10.0	7.628469	50.0	446918.0	0.762847	Y
4	IC 410-484275/15	20.0	16.046585	50.0	428680.0	0.802329	Y
5	ICIS 410-484275/16	50.0	38.527444	50.0	454380.0	0.770549	Y
6	IC 410-484275/17	100.0	83.346944	50.0	443273.0	0.833469	Y
7	IC 410-484275/18	300.0	231.293975	50.0	510659.0	0.77098	Y



Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

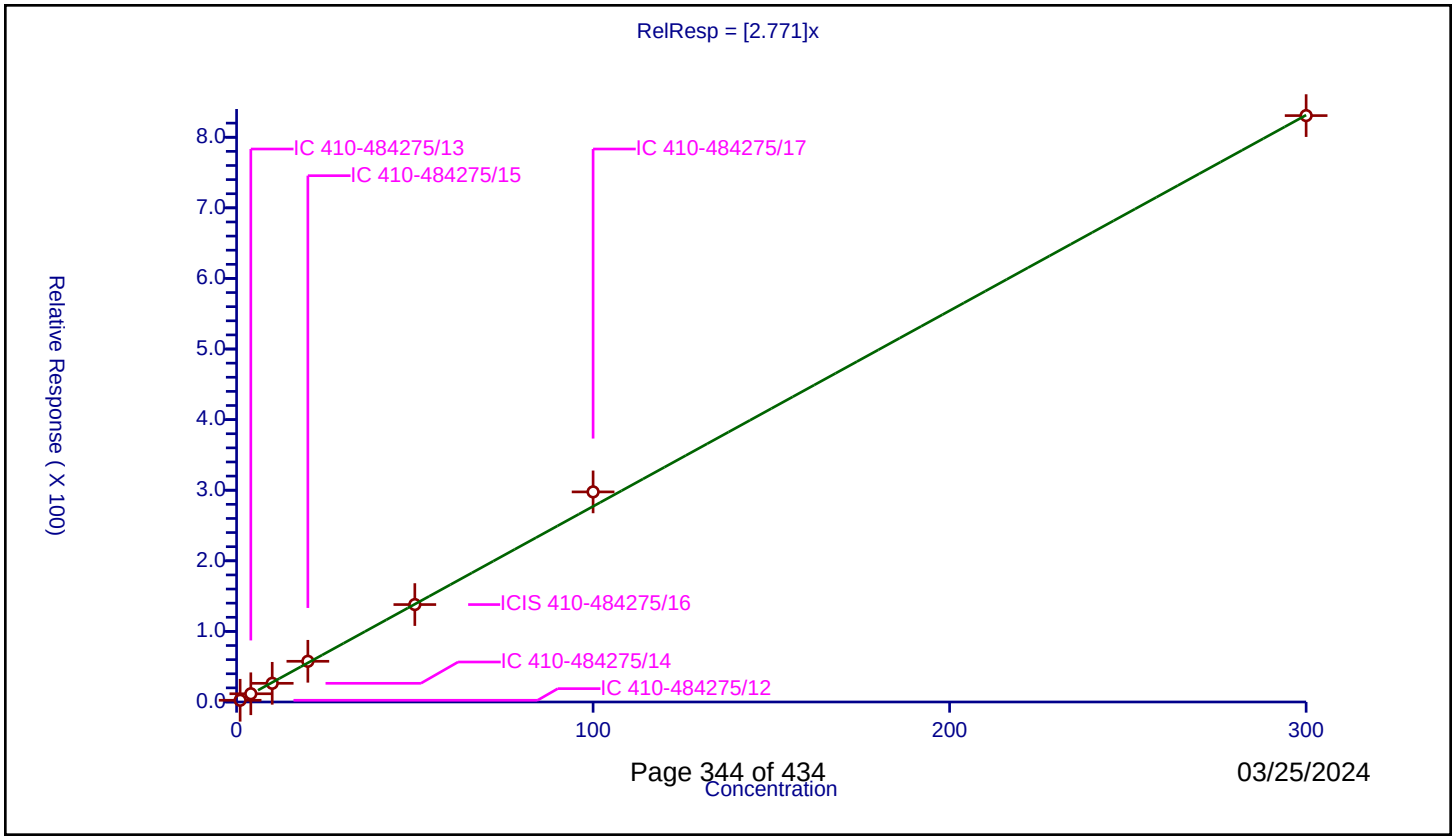
Curve Coefficients

Intercept:	0
Slope:	2.771

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	2.447092	50.0	423421.0	2.447092	Y
2	IC 410-484275/13	4.0	11.665232	50.0	442623.0	2.916308	Y
3	IC 410-484275/14	10.0	26.466265	50.0	446918.0	2.646626	Y
4	IC 410-484275/15	20.0	57.656644	50.0	428680.0	2.882832	Y
5	ICIS 410-484275/16	50.0	138.030943	50.0	454380.0	2.760619	Y
6	IC 410-484275/17	100.0	297.630129	50.0	443273.0	2.976301	Y
7	IC 410-484275/18	300.0	830.673209	50.0	510659.0	2.768911	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

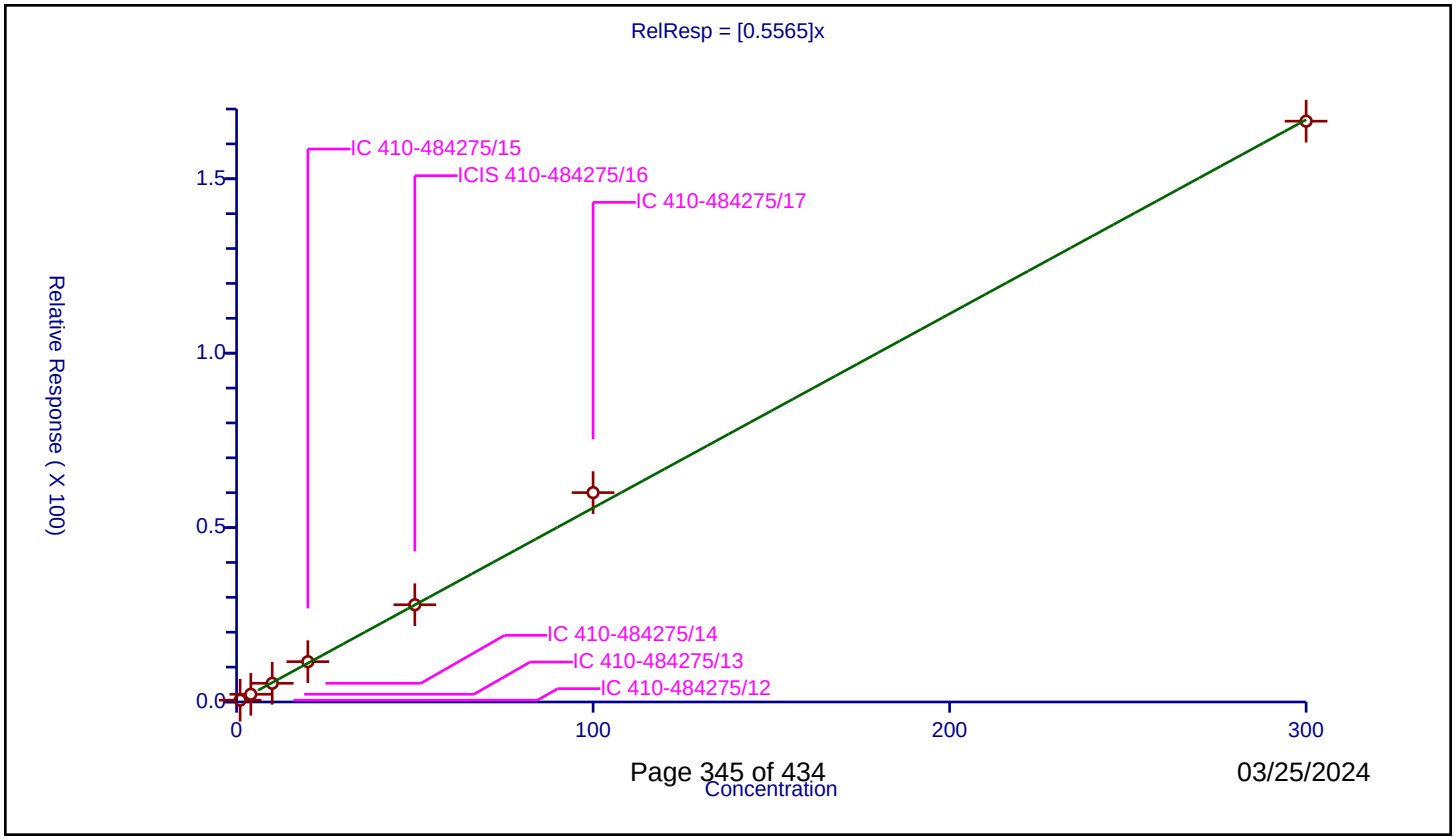
Curve Coefficients

Intercept:	0
Slope:	0.5565

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.514854	50.0	423421.0	0.514854	Y
2	IC 410-484275/13	4.0	2.211702	50.0	442623.0	0.552925	Y
3	IC 410-484275/14	10.0	5.365861	50.0	446918.0	0.536586	Y
4	IC 410-484275/15	20.0	11.559322	50.0	428680.0	0.577966	Y
5	ICIS 410-484275/16	50.0	27.877327	50.0	454380.0	0.557547	Y
6	IC 410-484275/17	100.0	60.028808	50.0	443273.0	0.600288	Y
7	IC 410-484275/18	300.0	166.51327	50.0	510659.0	0.555044	Y



Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

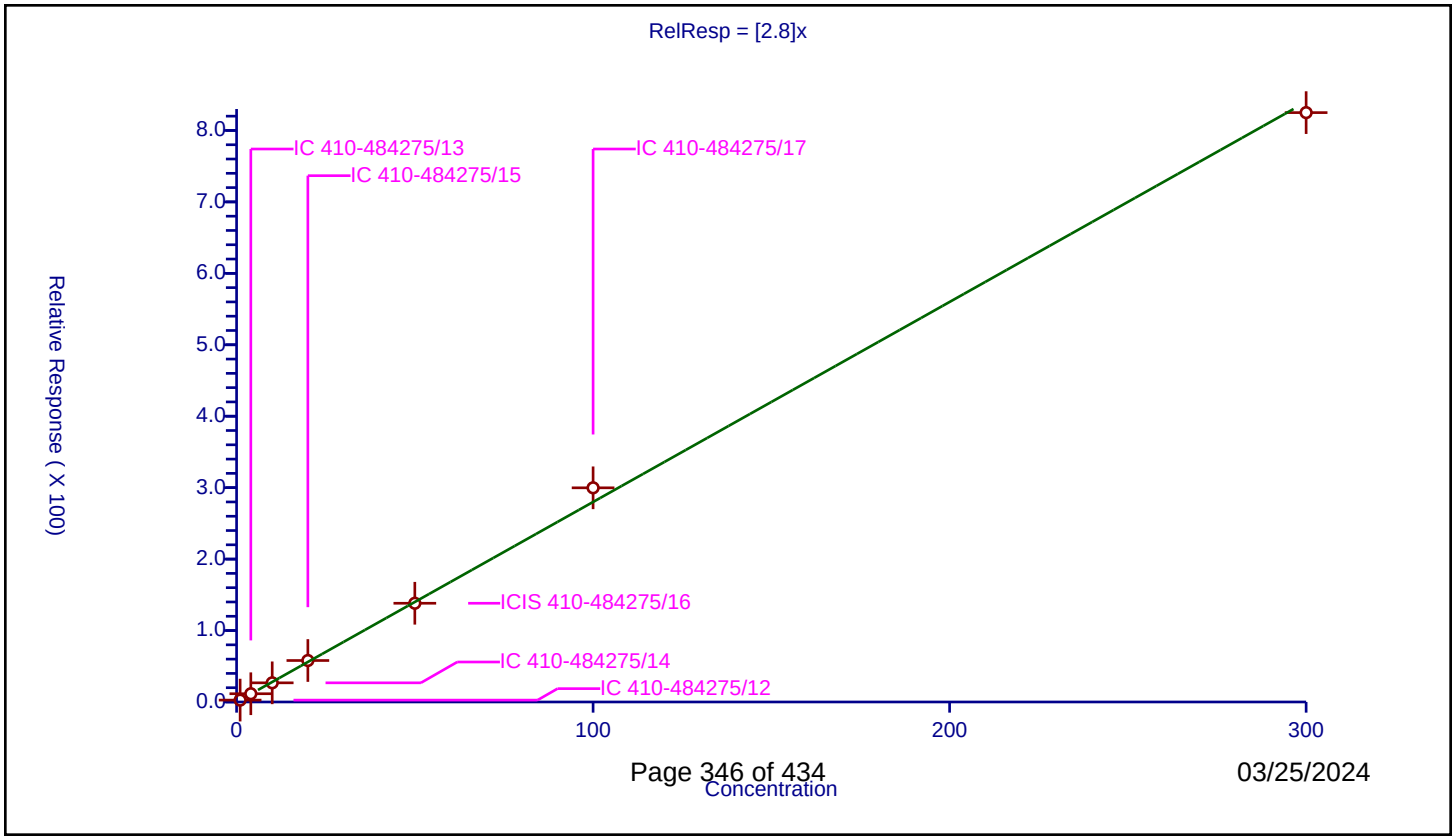
Curve Coefficients

Intercept:	0
Slope:	2.8

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	2.614773	50.0	423421.0	2.614773	Y
2	IC 410-484275/13	4.0	11.543232	50.0	442623.0	2.885808	Y
3	IC 410-484275/14	10.0	26.827069	50.0	446918.0	2.682707	Y
4	IC 410-484275/15	20.0	58.045628	50.0	428680.0	2.902281	Y
5	ICIS 410-484275/16	50.0	138.207888	50.0	454380.0	2.764158	Y
6	IC 410-484275/17	100.0	299.792679	50.0	443273.0	2.997927	Y
7	IC 410-484275/18	300.0	824.960492	50.0	510659.0	2.749868	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

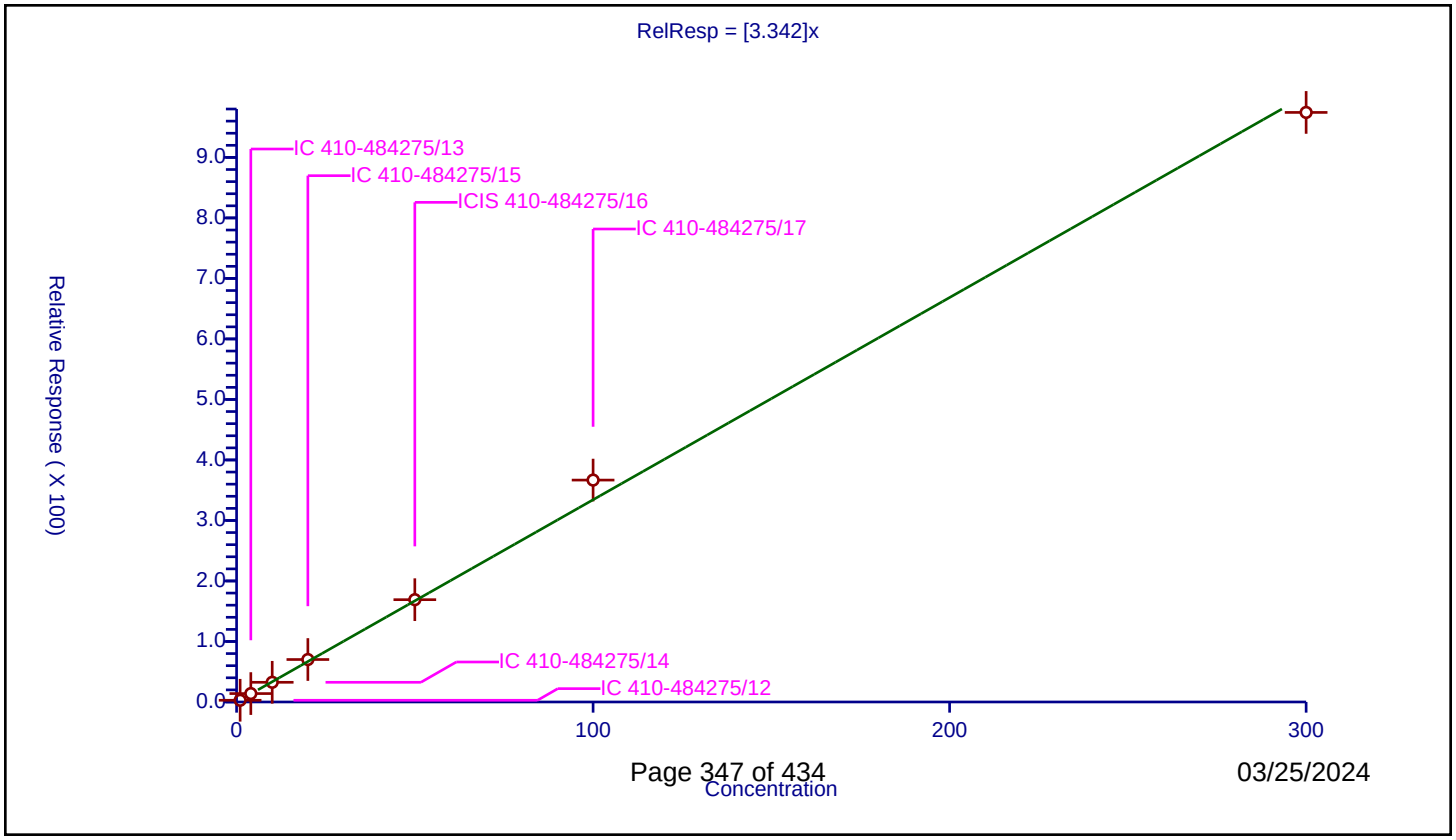
Curve Coefficients

Intercept:	0
Slope:	3.342

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	2.852716	50.0	423421.0	2.852716	Y
2	IC 410-484275/13	4.0	13.922571	50.0	442623.0	3.480643	Y
3	IC 410-484275/14	10.0	32.565706	50.0	446918.0	3.256571	Y
4	IC 410-484275/15	20.0	70.179621	50.0	428680.0	3.508981	Y
5	ICIS 410-484275/16	50.0	169.081276	50.0	454380.0	3.381626	Y
6	IC 410-484275/17	100.0	366.755814	50.0	443273.0	3.667558	Y
7	IC 410-484275/18	300.0	974.362931	50.0	510659.0	3.247876	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

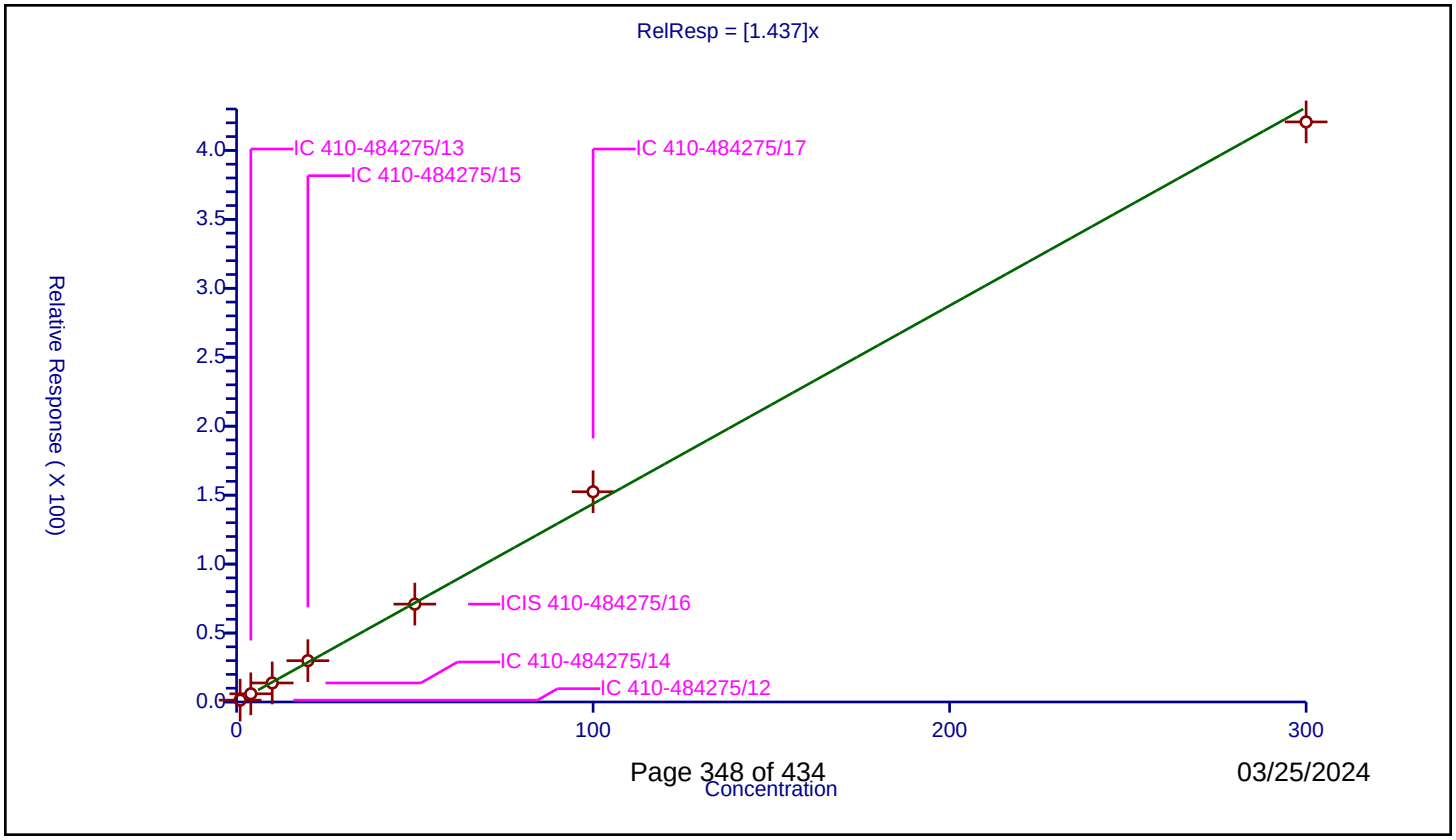
Curve Coefficients

Intercept:	0
Slope:	1.437

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	1.351019	50.0	423421.0	1.351019	Y
2	IC 410-484275/13	4.0	5.94219	50.0	442623.0	1.485548	Y
3	IC 410-484275/14	10.0	13.803427	50.0	446918.0	1.380343	Y
4	IC 410-484275/15	20.0	29.954512	50.0	428680.0	1.497726	Y
5	ICIS 410-484275/16	50.0	70.956248	50.0	454380.0	1.419125	Y
6	IC 410-484275/17	100.0	152.446799	50.0	443273.0	1.524468	Y
7	IC 410-484275/18	300.0	420.638038	50.0	510659.0	1.402127	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

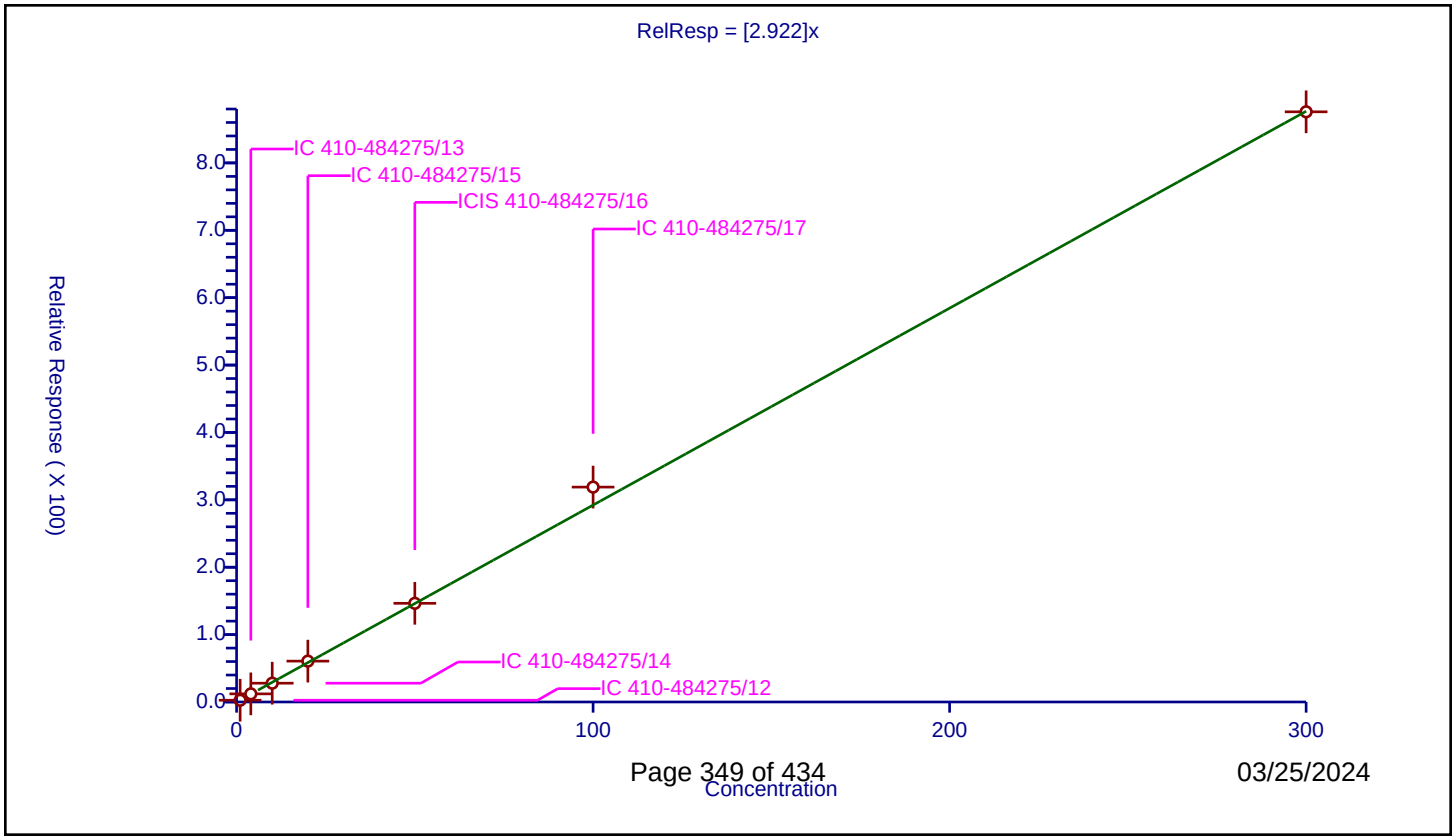
Curve Coefficients

Intercept:	0
Slope:	2.922

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	2.584071	50.0	423421.0	2.584071	Y
2	IC 410-484275/13	4.0	12.056649	50.0	442623.0	3.014162	Y
3	IC 410-484275/14	10.0	27.879164	50.0	446918.0	2.787916	Y
4	IC 410-484275/15	20.0	60.641504	50.0	428680.0	3.032075	Y
5	ICIS 410-484275/16	50.0	146.433932	50.0	454380.0	2.928679	Y
6	IC 410-484275/17	100.0	318.926824	50.0	443273.0	3.189268	Y
7	IC 410-484275/18	300.0	875.858939	50.0	510659.0	2.91953	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

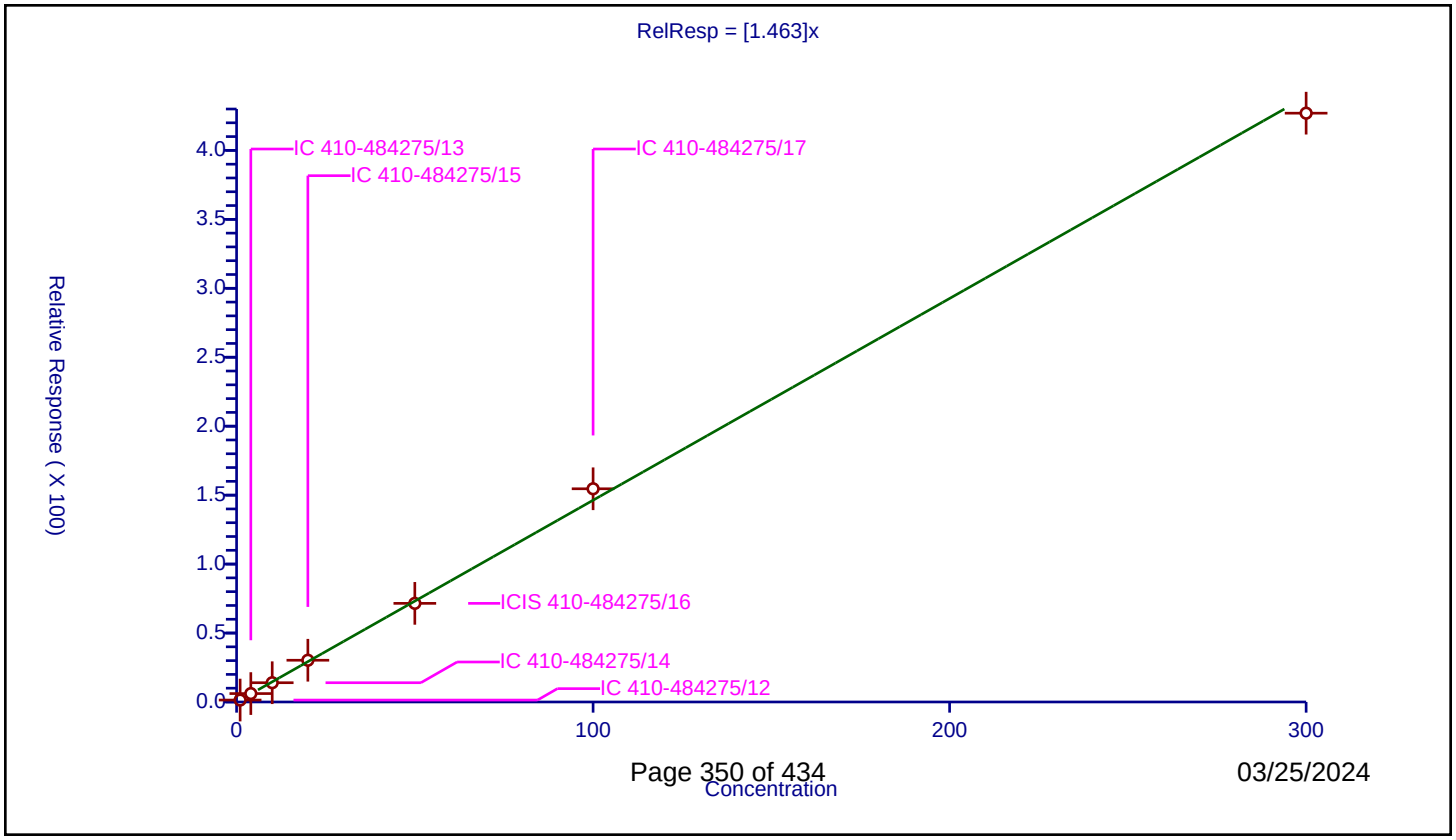
Curve Coefficients

Intercept:	0
Slope:	1.463

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	1.408409	50.0	423421.0	1.408409	Y
2	IC 410-484275/13	4.0	6.091979	50.0	442623.0	1.522995	Y
3	IC 410-484275/14	10.0	13.965537	50.0	446918.0	1.396554	Y
4	IC 410-484275/15	20.0	30.276547	50.0	428680.0	1.513827	Y
5	ICIS 410-484275/16	50.0	71.520093	50.0	454380.0	1.430402	Y
6	IC 410-484275/17	100.0	154.610477	50.0	443273.0	1.546105	Y
7	IC 410-484275/18	300.0	426.975927	50.0	510659.0	1.423253	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

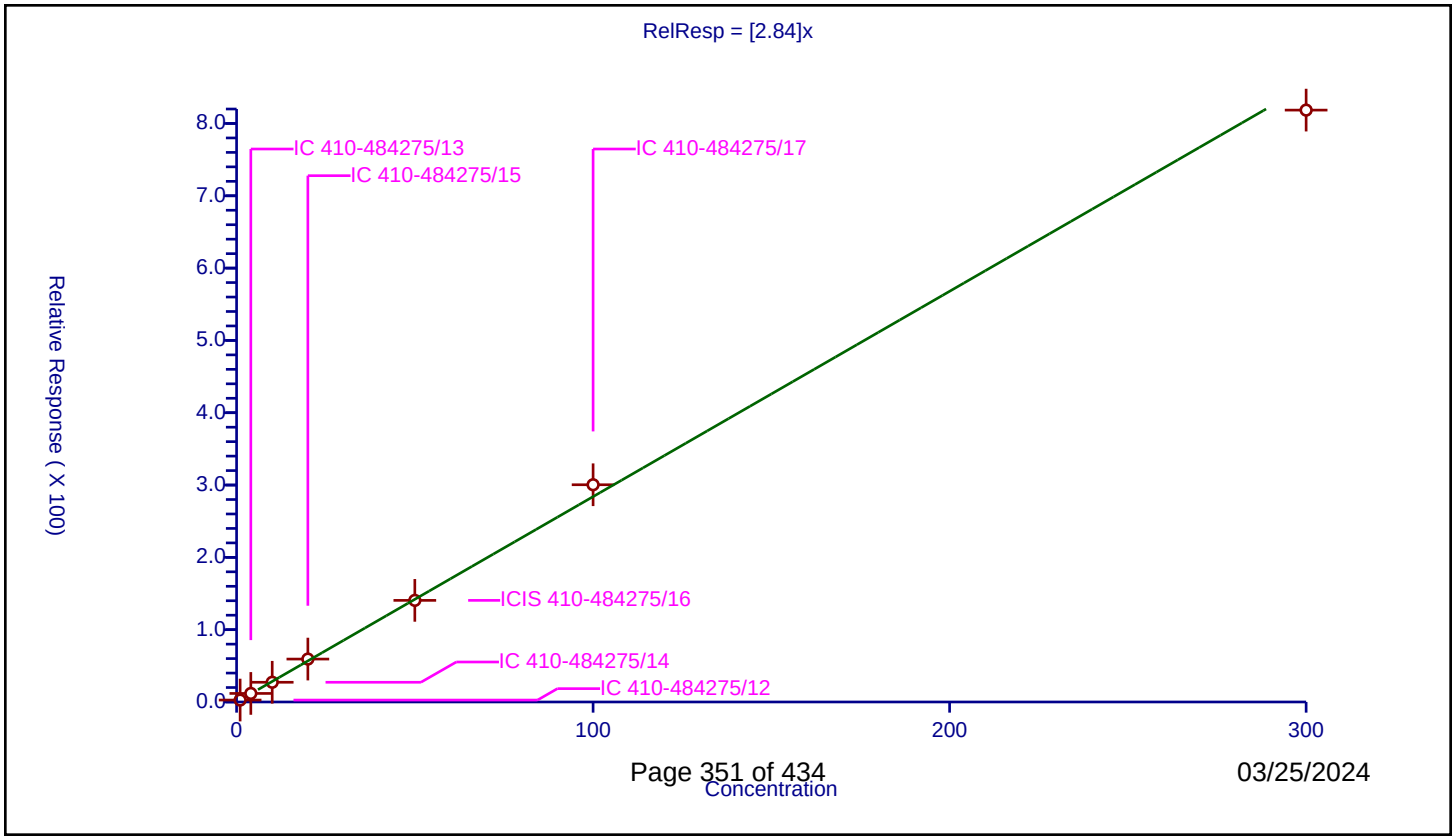
Curve Coefficients

Intercept:	0
Slope:	2.84

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	2.685861	50.0	423421.0	2.685861	Y
2	IC 410-484275/13	4.0	11.822251	50.0	442623.0	2.955563	Y
3	IC 410-484275/14	10.0	27.256119	50.0	446918.0	2.725612	Y
4	IC 410-484275/15	20.0	59.354647	50.0	428680.0	2.967732	Y
5	ICIS 410-484275/16	50.0	140.513007	50.0	454380.0	2.81026	Y
6	IC 410-484275/17	100.0	300.424456	50.0	443273.0	3.004245	Y
7	IC 410-484275/18	300.0	818.498058	50.0	510659.0	2.728327	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

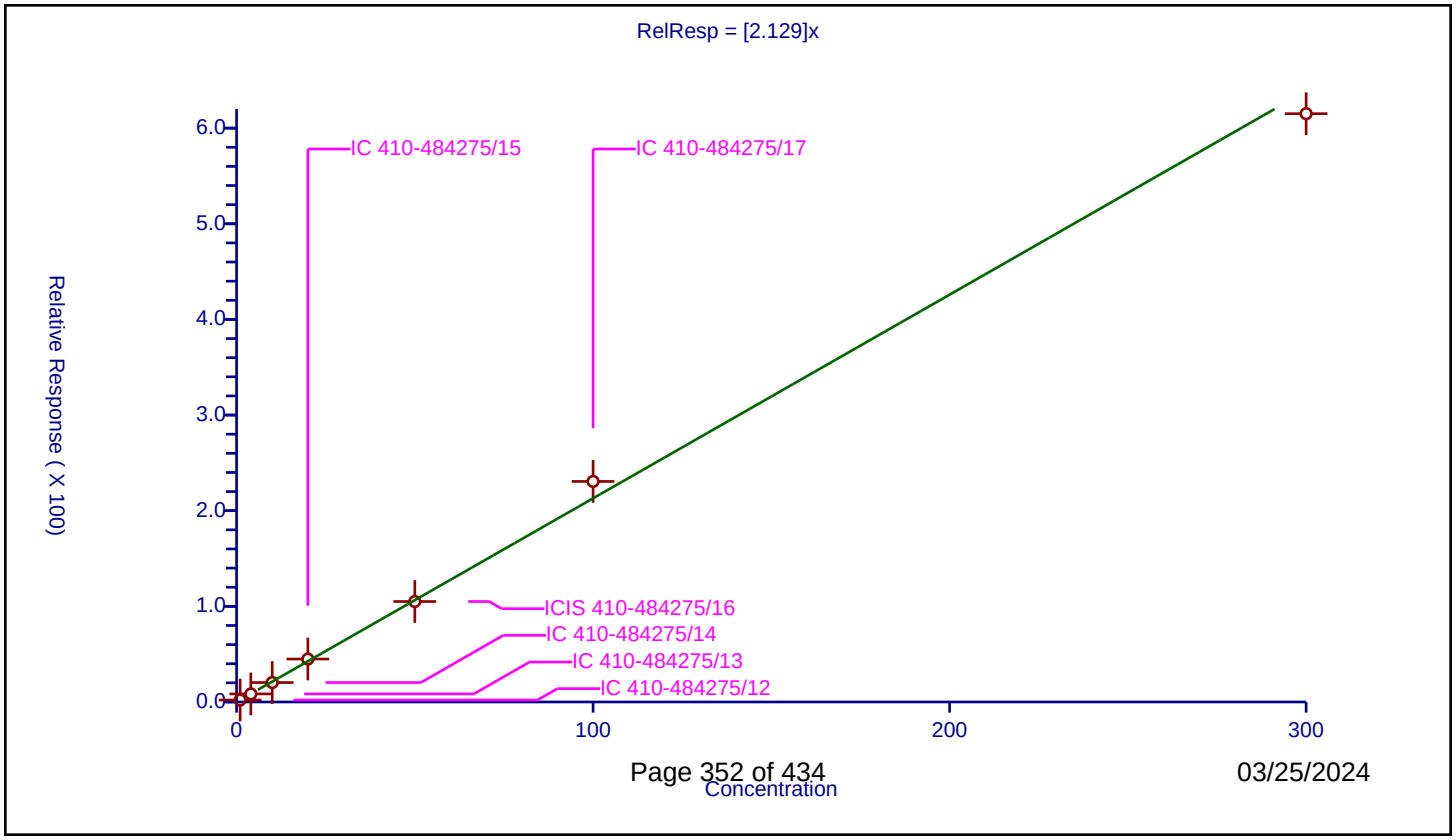
Curve Coefficients

Intercept:	0
Slope:	2.129

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	2.062014	50.0	423421.0	2.062014	Y
2	IC 410-484275/13	4.0	8.431442	50.0	442623.0	2.10786	Y
3	IC 410-484275/14	10.0	20.344112	50.0	446918.0	2.034411	Y
4	IC 410-484275/15	20.0	44.889895	50.0	428680.0	2.244495	Y
5	ICIS 410-484275/16	50.0	105.046327	50.0	454380.0	2.100927	Y
6	IC 410-484275/17	100.0	230.597961	50.0	443273.0	2.30598	Y
7	IC 410-484275/18	300.0	615.127022	50.0	510659.0	2.050423	Y



Calibration / 1,3-Diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

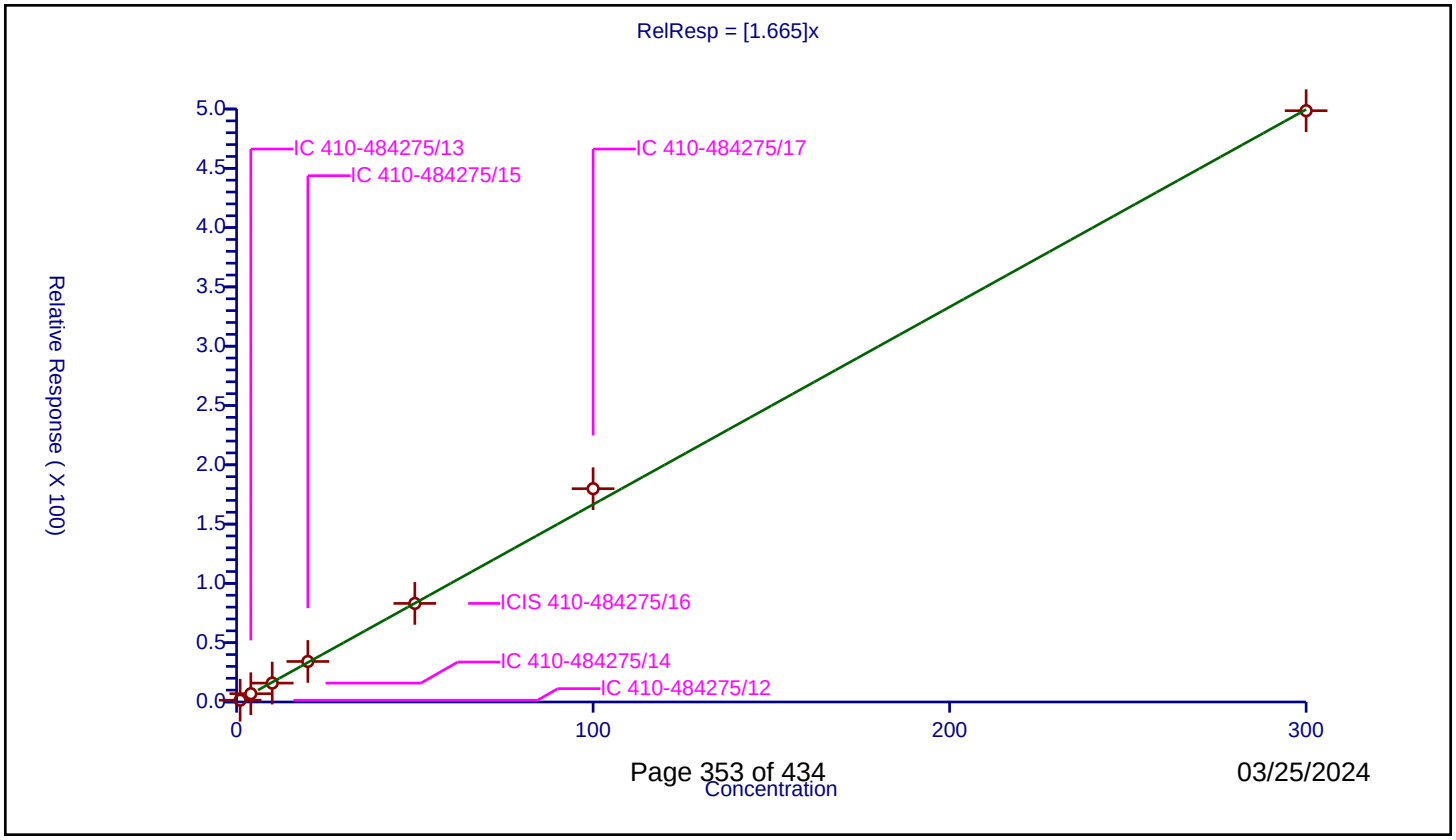
Curve Coefficients

Intercept:	0
Slope:	1.665

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	1.487881	50.0	423421.0	1.487881	Y
2	IC 410-484275/13	4.0	6.980771	50.0	442623.0	1.745193	Y
3	IC 410-484275/14	10.0	15.940508	50.0	446918.0	1.594051	Y
4	IC 410-484275/15	20.0	34.162079	50.0	428680.0	1.708104	Y
5	ICIS 410-484275/16	50.0	83.112153	50.0	454380.0	1.662243	Y
6	IC 410-484275/17	100.0	179.842558	50.0	443273.0	1.798426	Y
7	IC 410-484275/18	300.0	498.58663	50.0	510659.0	1.661955	Y



Calibration / p-Diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

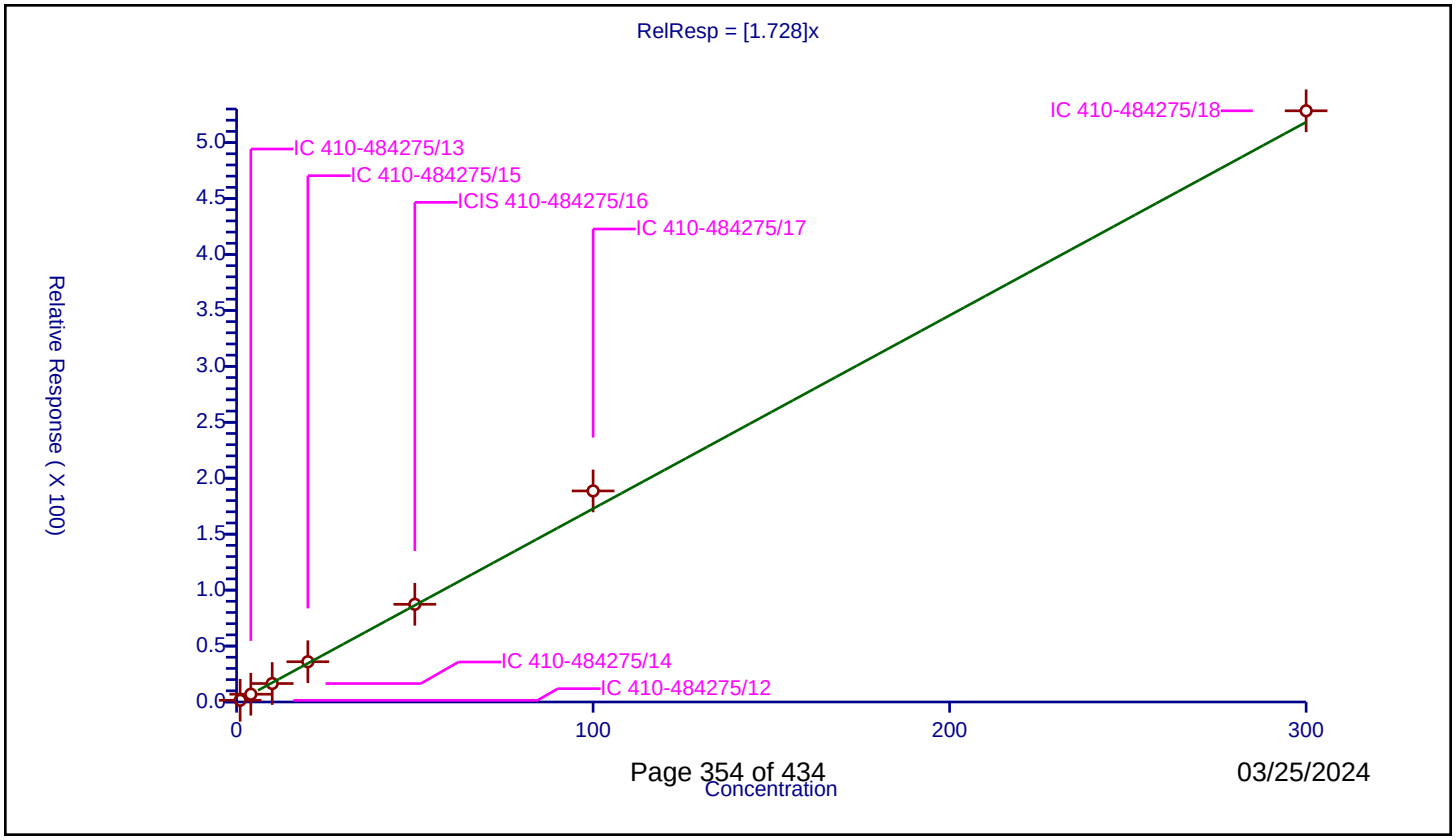
Curve Coefficients

Intercept:	0
Slope:	1.728

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	1.512679	50.0	423421.0	1.512679	Y
2	IC 410-484275/13	4.0	6.945188	50.0	442623.0	1.736297	Y
3	IC 410-484275/14	10.0	16.512873	50.0	446918.0	1.651287	Y
4	IC 410-484275/15	20.0	35.978702	50.0	428680.0	1.798935	Y
5	ICIS 410-484275/16	50.0	87.315793	50.0	454380.0	1.746316	Y
6	IC 410-484275/17	100.0	188.646162	50.0	443273.0	1.886462	Y
7	IC 410-484275/18	300.0	528.393997	50.0	510659.0	1.761313	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

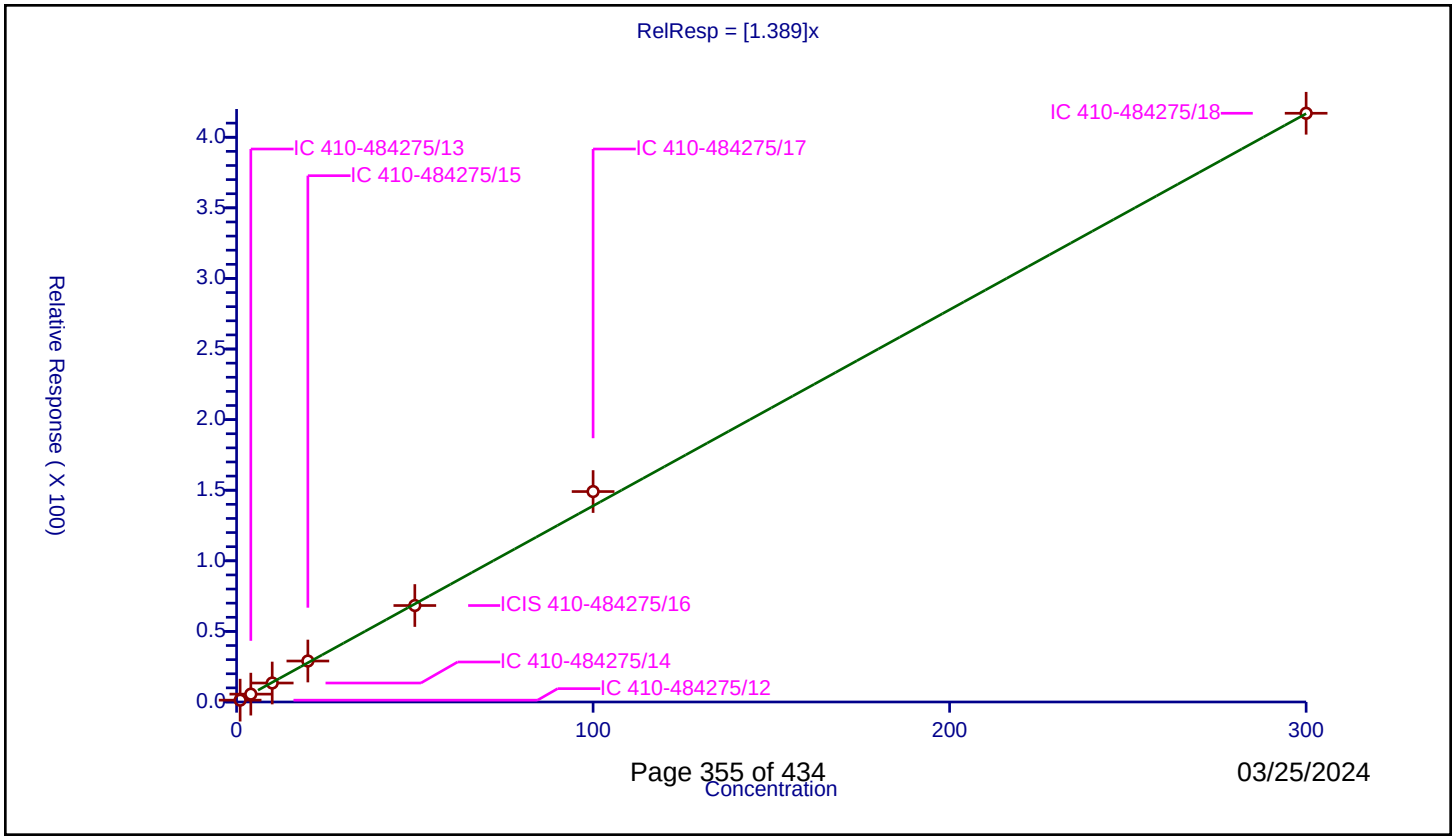
Curve Coefficients

Intercept:	0
Slope:	1.389

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	1.289969	50.0	423421.0	1.289969	Y
2	IC 410-484275/13	4.0	5.567379	50.0	442623.0	1.391845	Y
3	IC 410-484275/14	10.0	13.442175	50.0	446918.0	1.344218	Y
4	IC 410-484275/15	20.0	29.019082	50.0	428680.0	1.450954	Y
5	ICIS 410-484275/16	50.0	68.32431	50.0	454380.0	1.366486	Y
6	IC 410-484275/17	100.0	149.044268	50.0	443273.0	1.490443	Y
7	IC 410-484275/18	300.0	416.999015	50.0	510659.0	1.389997	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

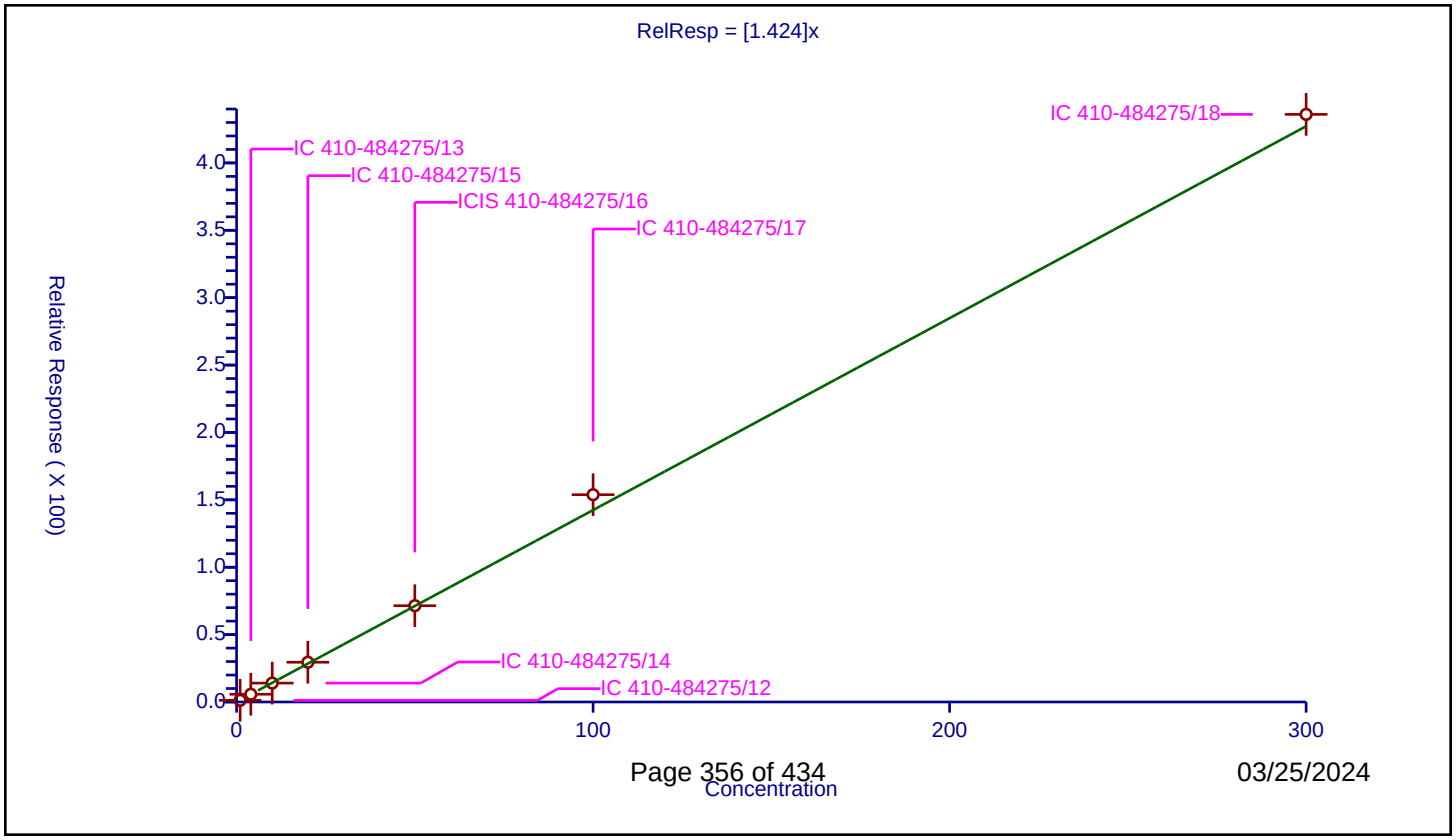
Curve Coefficients

Intercept:	0
Slope:	1.424

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	1.231635	50.0	423421.0	1.231635	Y
2	IC 410-484275/13	4.0	5.754333	50.0	442623.0	1.438583	Y
3	IC 410-484275/14	10.0	14.026846	50.0	446918.0	1.402685	Y
4	IC 410-484275/15	20.0	29.497994	50.0	428680.0	1.4749	Y
5	ICIS 410-484275/16	50.0	71.438113	50.0	454380.0	1.428762	Y
6	IC 410-484275/17	100.0	153.822813	50.0	443273.0	1.538228	Y
7	IC 410-484275/18	300.0	436.028446	50.0	510659.0	1.453428	Y



Calibration / o-diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

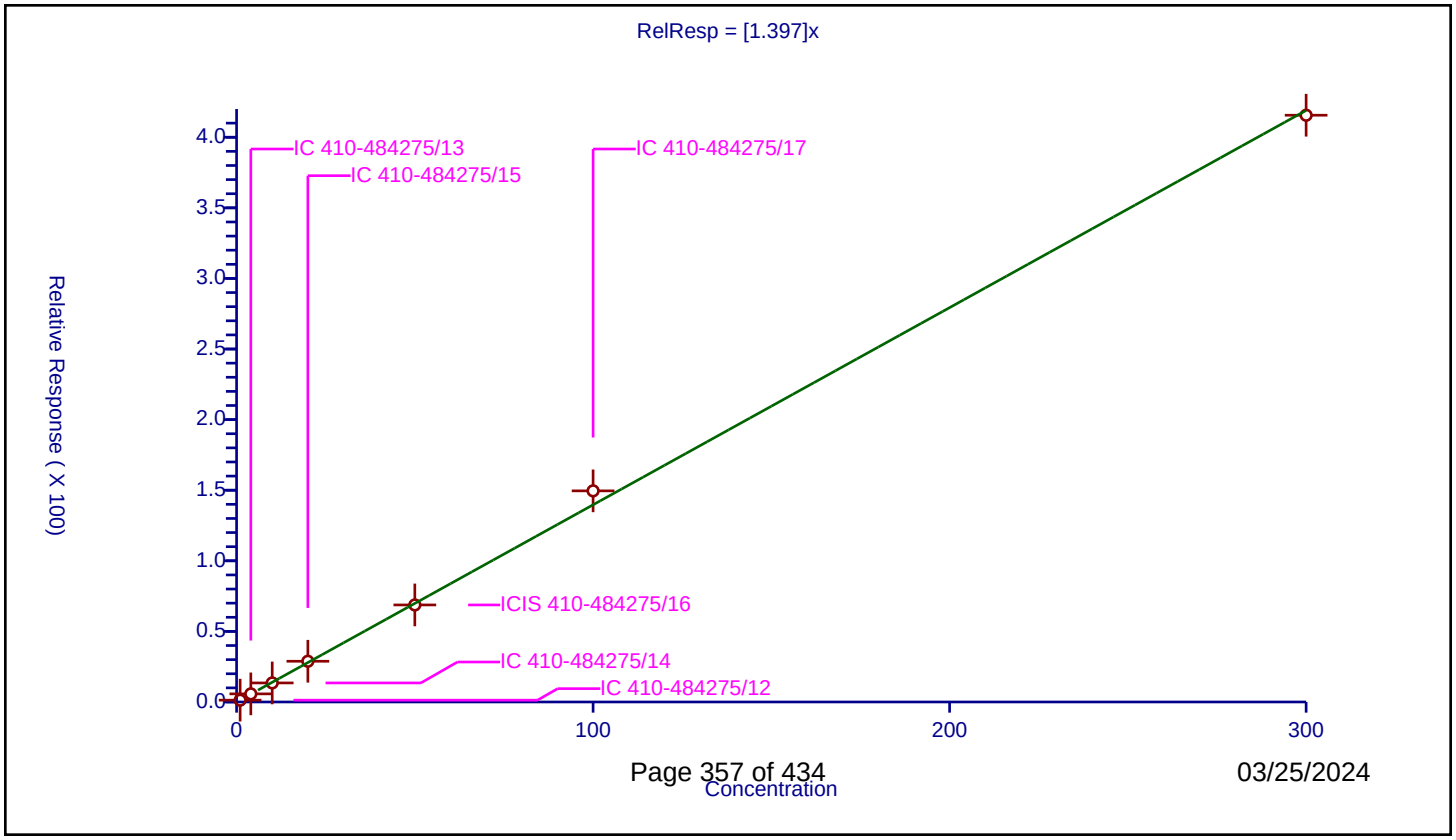
Curve Coefficients

Intercept:	0
Slope:	1.397

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	1.28808	50.0	423421.0	1.28808	Y
2	IC 410-484275/13	4.0	5.758851	50.0	442623.0	1.439713	Y
3	IC 410-484275/14	10.0	13.502589	50.0	446918.0	1.350259	Y
4	IC 410-484275/15	20.0	28.857073	50.0	428680.0	1.442854	Y
5	ICIS 410-484275/16	50.0	68.739711	50.0	454380.0	1.374794	Y
6	IC 410-484275/17	100.0	149.54678	50.0	443273.0	1.495468	Y
7	IC 410-484275/18	300.0	415.591324	50.0	510659.0	1.385304	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

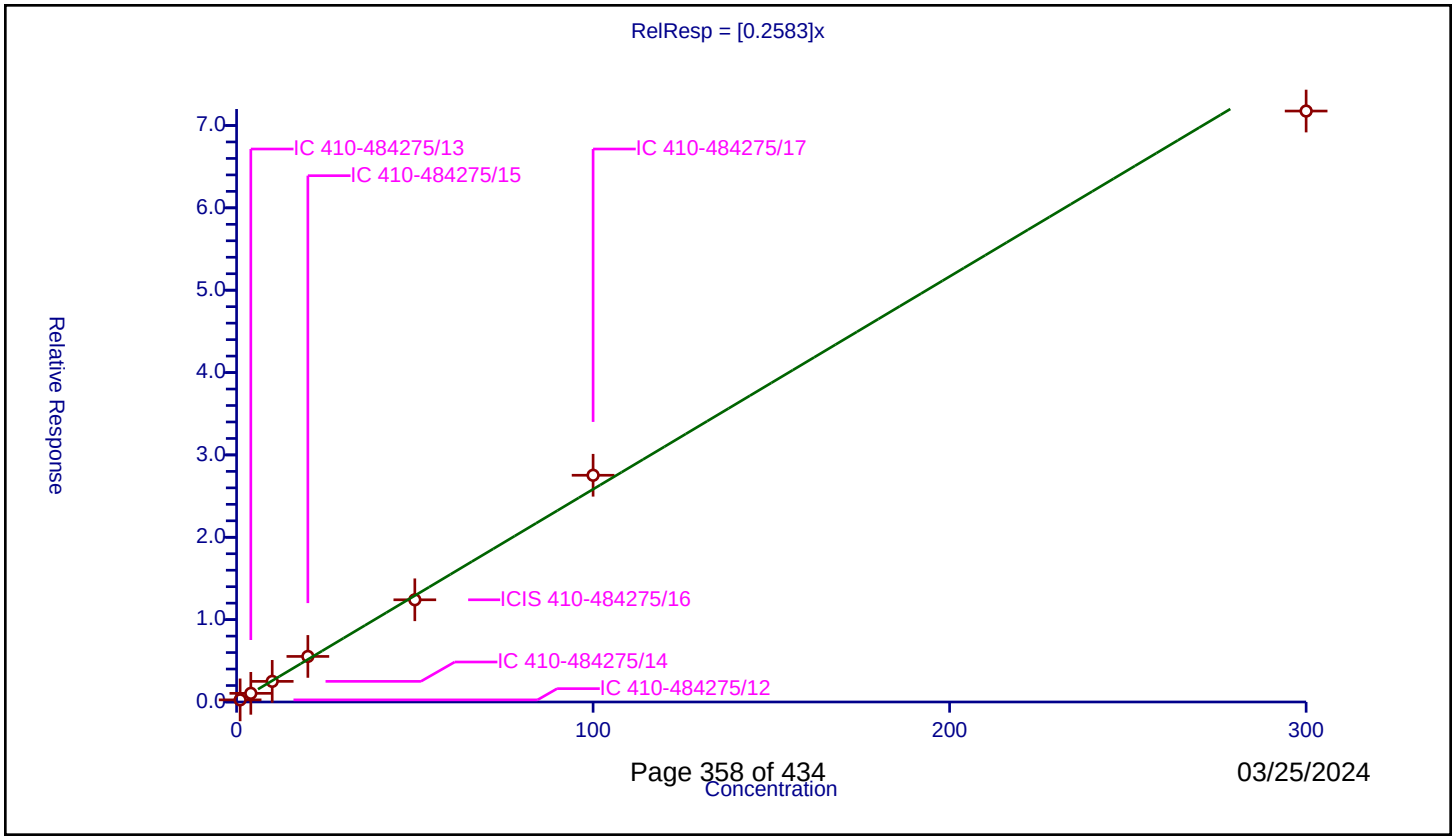
Curve Coefficients

Intercept:	0
Slope:	0.2583

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.256128	50.0	423421.0	0.256128	Y
2	IC 410-484275/13	4.0	1.049652	50.0	442623.0	0.262413	Y
3	IC 410-484275/14	10.0	2.503256	50.0	446918.0	0.250326	Y
4	IC 410-484275/15	20.0	5.531982	50.0	428680.0	0.276599	Y
5	ICIS 410-484275/16	50.0	12.410097	50.0	454380.0	0.248202	Y
6	IC 410-484275/17	100.0	27.528859	50.0	443273.0	0.275289	Y
7	IC 410-484275/18	300.0	71.752872	50.0	510659.0	0.239176	Y



Calibration / 1,3,5-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

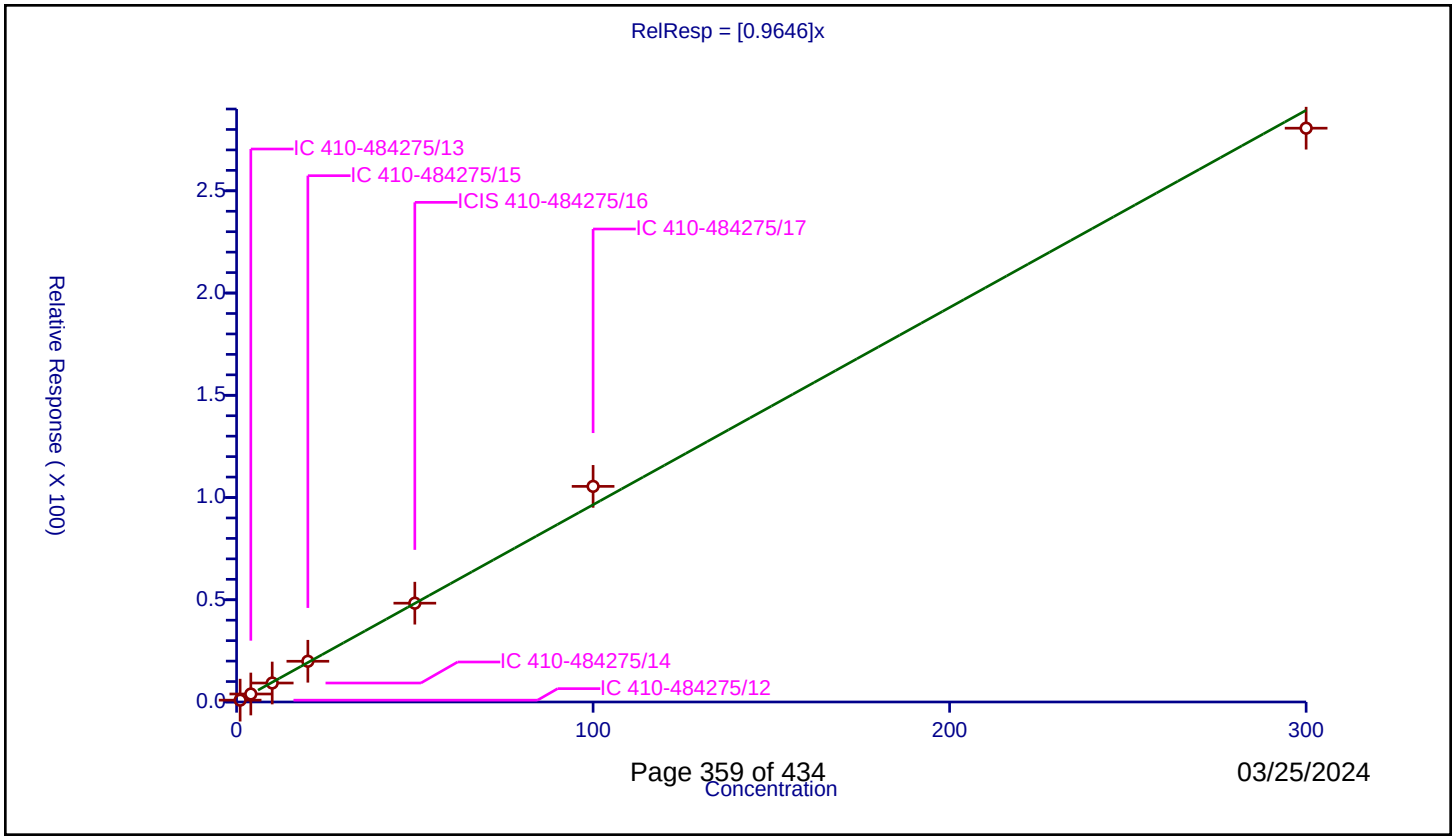
Curve Coefficients

Intercept:	0
Slope:	0.9646

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.896035	50.0	423421.0	0.896035	Y
2	IC 410-484275/13	4.0	3.905016	50.0	442623.0	0.976254	Y
3	IC 410-484275/14	10.0	9.277541	50.0	446918.0	0.927754	Y
4	IC 410-484275/15	20.0	19.92267	50.0	428680.0	0.996133	Y
5	ICIS 410-484275/16	50.0	48.320349	50.0	454380.0	0.966407	Y
6	IC 410-484275/17	100.0	105.449238	50.0	443273.0	1.054492	Y
7	IC 410-484275/18	300.0	280.627483	50.0	510659.0	0.935425	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

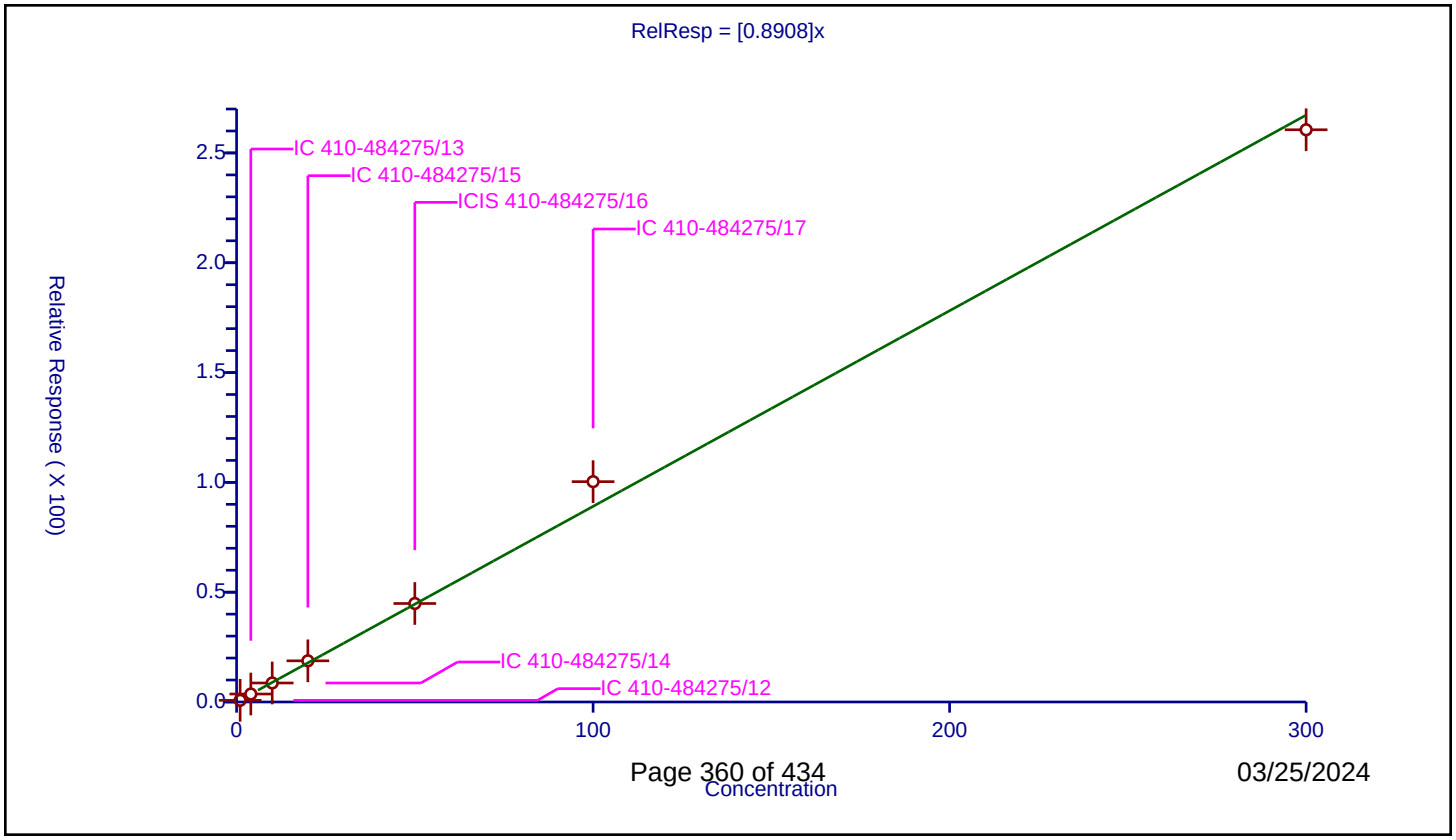
Curve Coefficients

Intercept:	0
Slope:	0.8908

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.757638	50.0	423421.0	0.757638	Y
2	IC 410-484275/13	4.0	3.629161	50.0	442623.0	0.90729	Y
3	IC 410-484275/14	10.0	8.645769	50.0	446918.0	0.864577	Y
4	IC 410-484275/15	20.0	18.744518	50.0	428680.0	0.937226	Y
5	ICIS 410-484275/16	50.0	44.843743	50.0	454380.0	0.896875	Y
6	IC 410-484275/17	100.0	100.328917	50.0	443273.0	1.003289	Y
7	IC 410-484275/18	300.0	260.551758	50.0	510659.0	0.868506	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

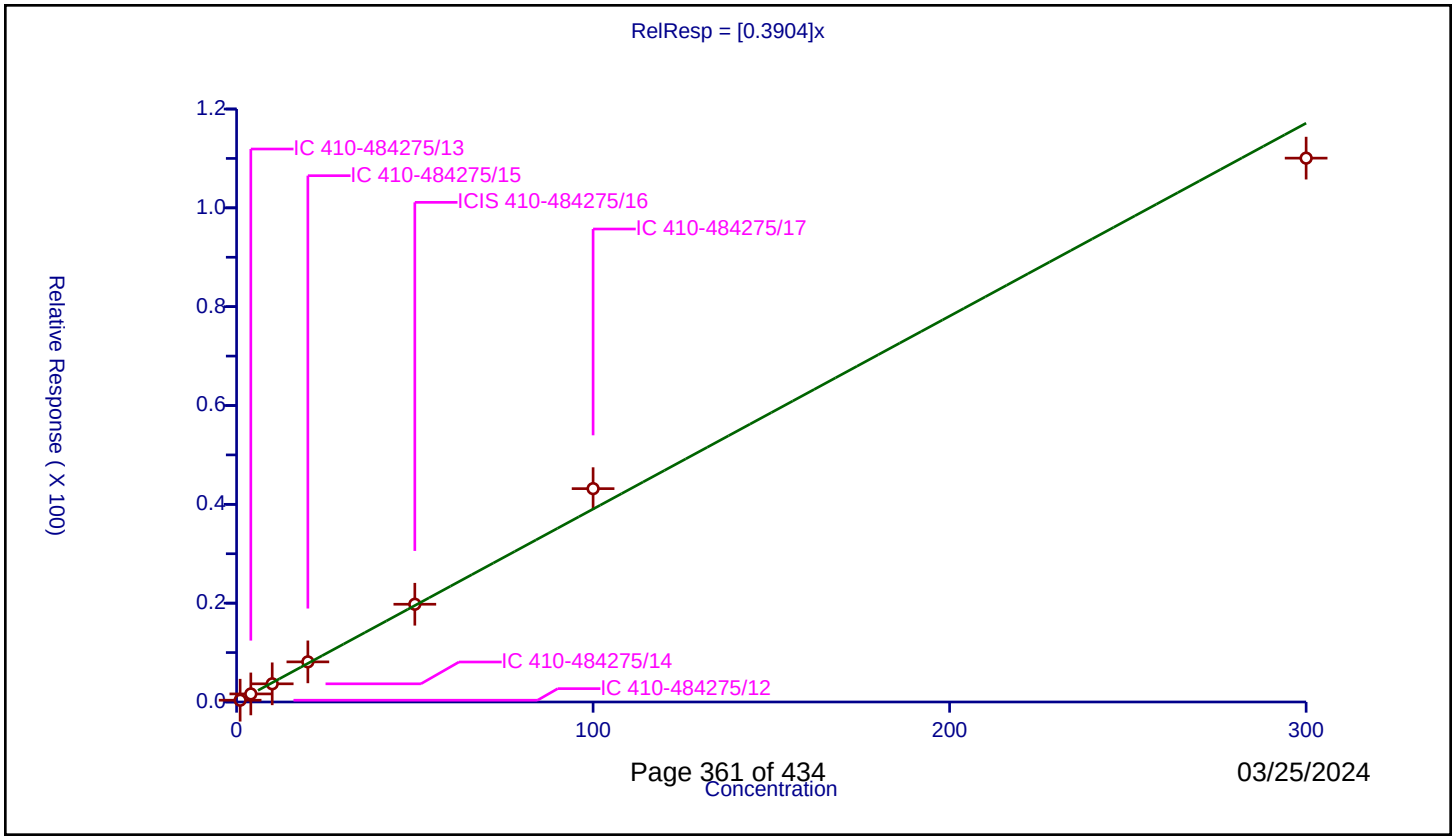
Curve Coefficients

Intercept:	0
Slope:	0.3904

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.357328	50.0	423421.0	0.357328	Y
2	IC 410-484275/13	4.0	1.632202	50.0	442623.0	0.40805	Y
3	IC 410-484275/14	10.0	3.67629	50.0	446918.0	0.367629	Y
4	IC 410-484275/15	20.0	8.118993	50.0	428680.0	0.40595	Y
5	ICIS 410-484275/16	50.0	19.77904	50.0	454380.0	0.395581	Y
6	IC 410-484275/17	100.0	43.17362	50.0	443273.0	0.431736	Y
7	IC 410-484275/18	300.0	110.05769	50.0	510659.0	0.366859	Y



Calibration / 2-Ethylhexyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

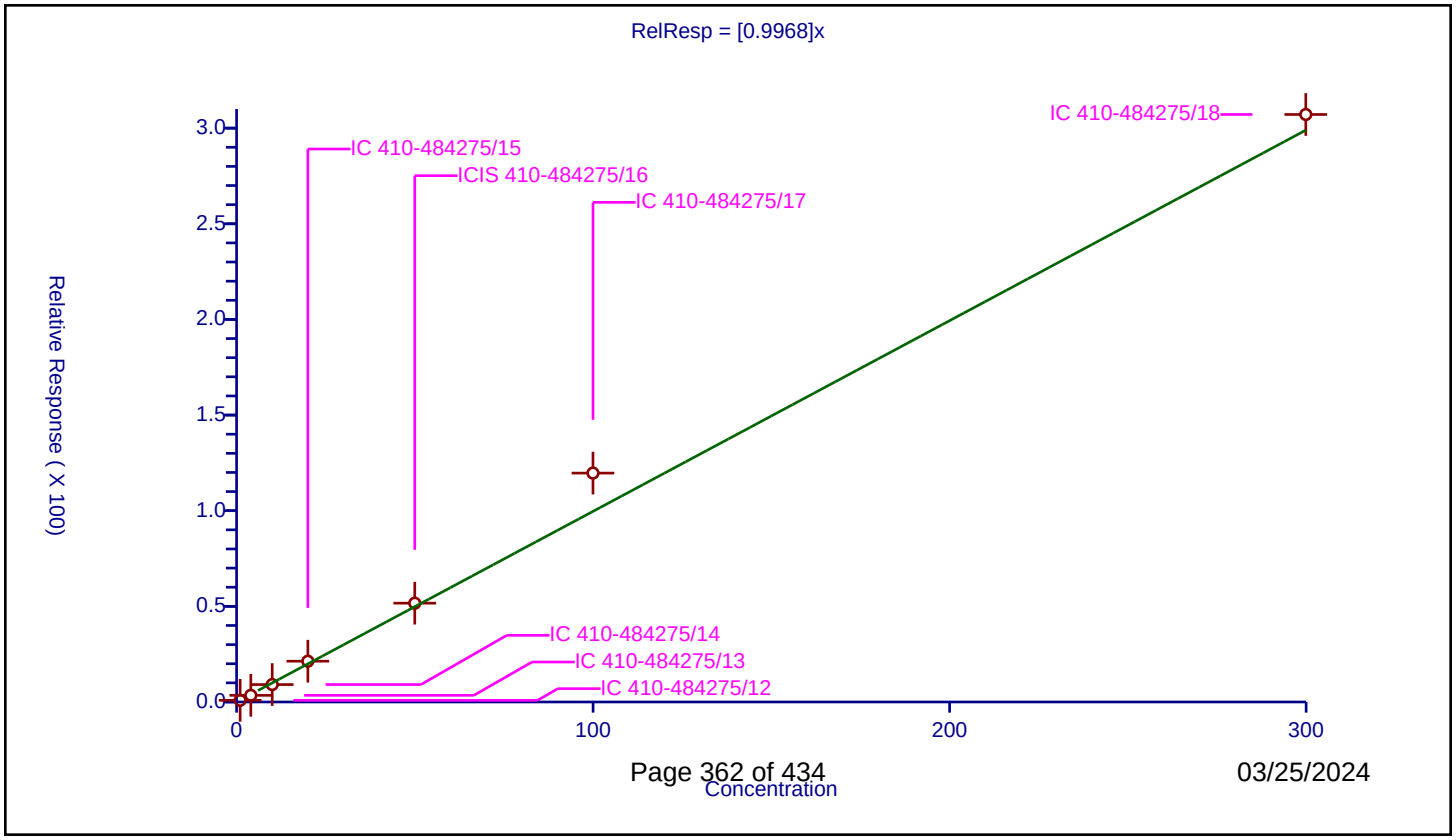
Curve Coefficients

Intercept:	0
Slope:	0.9968

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	0.9997	0.87596	50.0	423421.0	0.876223	Y
2	IC 410-484275/13	3.9988	3.476548	50.0	442623.0	0.869398	Y
3	IC 410-484275/14	9.997	9.105585	50.0	446918.0	0.910832	Y
4	IC 410-484275/15	19.994	21.321382	50.0	428680.0	1.066389	Y
5	ICIS 410-484275/16	49.985	51.655663	50.0	454380.0	1.033423	Y
6	IC 410-484275/17	99.97	119.667564	50.0	443273.0	1.197035	Y
7	IC 410-484275/18	299.91	307.141165	50.0	510659.0	1.024111	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

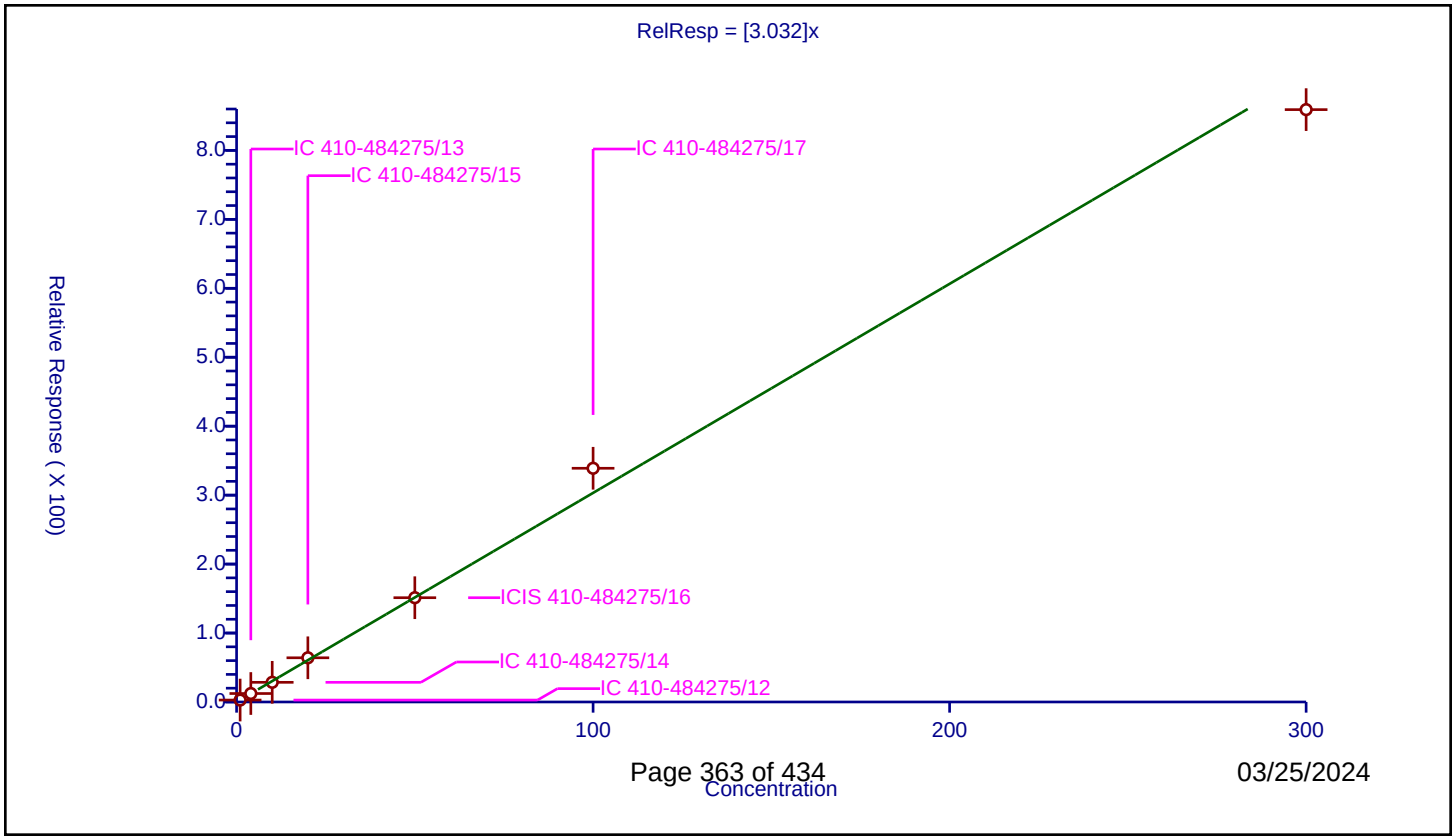
Curve Coefficients

Intercept:	0
Slope:	3.032

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	2.821187	50.0	423421.0	2.821187	Y
2	IC 410-484275/13	4.0	12.273199	50.0	442623.0	3.0683	Y
3	IC 410-484275/14	10.0	28.540918	50.0	446918.0	2.854092	Y
4	IC 410-484275/15	20.0	64.085215	50.0	428680.0	3.204261	Y
5	ICIS 410-484275/16	50.0	151.234539	50.0	454380.0	3.024691	Y
6	IC 410-484275/17	100.0	338.966844	50.0	443273.0	3.389668	Y
7	IC 410-484275/18	300.0	859.108035	50.0	510659.0	2.863693	Y



Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

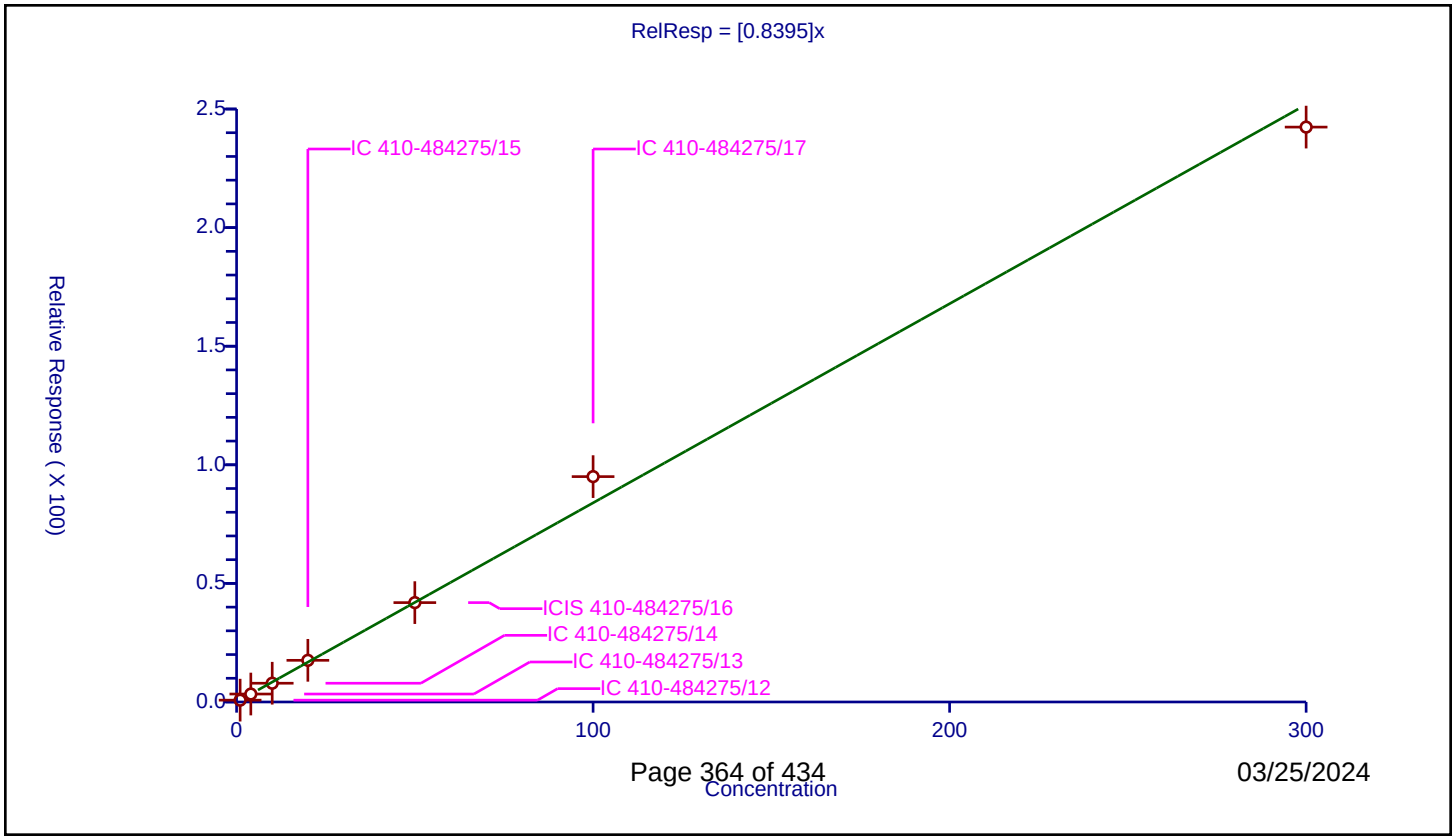
Curve Coefficients

Intercept:	0
Slope:	0.8395

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	0.77299	50.0	423421.0	0.77299	Y
2	IC 410-484275/13	4.0	3.353757	50.0	442623.0	0.838439	Y
3	IC 410-484275/14	10.0	7.909952	50.0	446918.0	0.790995	Y
4	IC 410-484275/15	20.0	17.566483	50.0	428680.0	0.878324	Y
5	ICIS 410-484275/16	50.0	41.891589	50.0	454380.0	0.837832	Y
6	IC 410-484275/17	100.0	95.021917	50.0	443273.0	0.950219	Y
7	IC 410-484275/18	300.0	242.371818	50.0	510659.0	0.807906	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

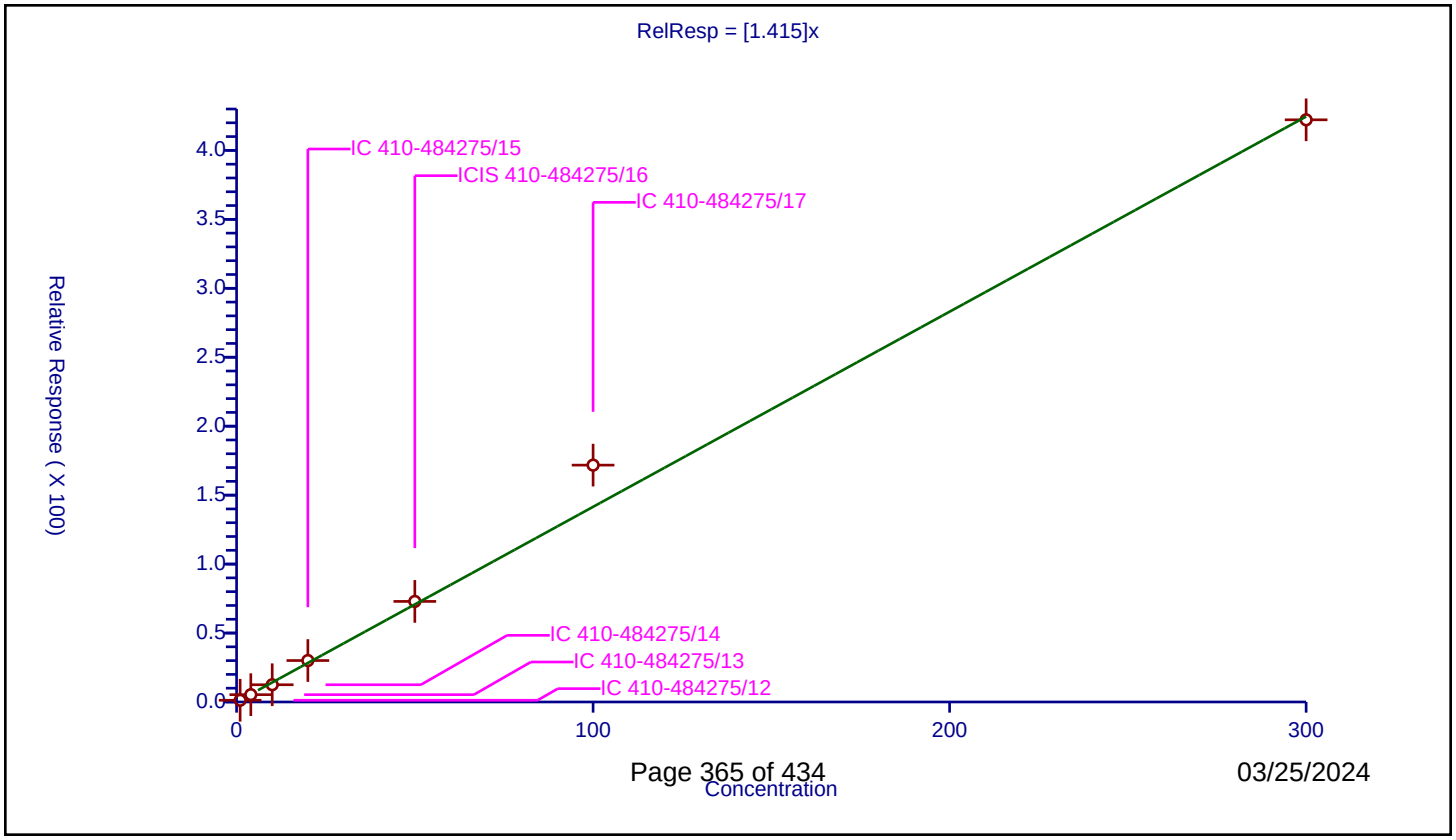
Curve Coefficients

Intercept:	0
Slope:	1.415

Error Coefficients

Relative Standard Deviation:	11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-484275/12	1.0	1.240019	50.0	423421.0	1.240019	Y
2	IC 410-484275/13	4.0	5.316262	50.0	442623.0	1.329066	Y
3	IC 410-484275/14	10.0	12.497595	50.0	446918.0	1.249759	Y
4	IC 410-484275/15	20.0	30.061468	50.0	428680.0	1.503073	Y
5	ICIS 410-484275/16	50.0	72.94082	50.0	454380.0	1.458816	Y
6	IC 410-484275/17	100.0	171.772474	50.0	443273.0	1.717725	Y
7	IC 410-484275/18	300.0	422.159014	50.0	510659.0	1.407197	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Lab Sample ID: ICV 410-484275/20 Calibration Date: 03/18/2024 17:57

Instrument ID: 15648 Calib Start Date: 03/18/2024 15:16

GC Column: DB-624 20m ID: 0.18(mm) Calib End Date: 03/18/2024 17:16

Lab File ID: EN18X20.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	0.4869	0.4336	0.1000	17.8	20.0	-10.9	30.0
Chloromethane	Ave	0.4566	0.4376	0.1000	19.2	20.0	-4.2	30.0
1,3-Butadiene	Ave	0.5134	0.4539		17.7	20.0	-11.6	30.0
Vinyl chloride	Ave	0.4240	0.4085	0.1000	19.3	20.0	-3.7	30.0
Bromomethane	Ave	0.2628	0.2670	0.1000	20.3	20.0	1.6	30.0
Chloroethane	Ave	0.2483	0.2533	0.1000	20.4	20.0	2.0	30.0
Dichlorofluoromethane	Ave	0.6676	0.6086		18.2	20.0	-8.8	30.0
n-Pentane	Ave	0.5354	0.4948		18.5	20.0	-7.6	30.0
Trichlorofluoromethane	Ave	0.5284	0.5132	0.1000	19.4	20.0	-2.9	30.0
Ethyl ether	Ave	0.2523	0.1672		13.2	20.0	-33.7*	30.0
Freon 123a	Ave	0.3875	0.3885		20.1	20.0	0.3	30.0
Acrolein	Ave	2.093	1.817		130	150	-13.2	30.0
1,1-Dichloroethene	Ave	0.2279	0.2348	0.1000	20.6	20.0	3.0	30.0
Acetone	Ave	0.8951	0.7933	0.1000	222	250	-11.4	30.0
Freon 113	Ave	0.2607	0.2317	0.1000	17.8	20.0	-11.1	30.0
2-Propanol	Ave	0.6402	0.6144		144	150	-4.0	30.0
Methyl iodide	Ave	0.4097	0.3903		19.1	20.0	-4.7	30.0
Carbon disulfide	Ave	0.6786	0.6364	0.1000	18.8	20.0	-6.2	30.0
Allyl chloride	Ave	0.5223	0.4872		18.7	20.0	-6.7	30.0
Methyl acetate	Ave	0.2937	0.3179	0.1000	21.6	20.0	8.2	30.0
Methylene Chloride	Ave	0.2629	0.2666	0.1000	20.3	20.0	1.4	30.0
t-Butyl alcohol	Ave	1.123	1.043		186	200	-7.1	30.0
Acrylonitrile	Ave	0.1497	0.1511		101	100	0.9	30.0
trans-1,2-Dichloroethene	Ave	0.2552	0.2600	0.1000	20.4	20.0	1.9	30.0
Methyl tert-butyl ether	Ave	0.9292	0.9112	0.1000	19.6	20.0	-1.9	30.0
n-Hexane	Ave	0.4451	0.4001		18.0	20.0	-10.1	30.0
1,1-Dichloroethane	Ave	0.5499	0.5564	0.2000	20.2	20.0	1.2	30.0
Isopropyl ether	Ave	1.013	0.9857		19.5	20.0	-2.7	30.0
2-Chloro-1,3-butadiene	Ave	0.5409	0.5262		19.5	20.0	-2.7	30.0
Ethyl t-butyl ether	Ave	0.9710	0.9733		20.0	20.0	0.2	30.0
cis-1,2-Dichloroethene	Ave	0.2893	0.2958	0.1000	20.5	20.0	2.3	30.0
2-Butanone (MEK)	Ave	0.2176	0.2079	0.1000	239	250	-4.5	30.0
2,2-Dichloropropane	Ave	0.5090	0.4951		19.5	20.0	-2.7	30.0
Propionitrile	Ave	1.498	1.385		139	150	-7.5	30.0
Methyl acrylate	Ave	0.3834	0.4461		23.2	20.0	16.4	30.0
Methacrylonitrile	Ave	0.1575	0.1601		152	150	1.7	30.0
Bromochloromethane	Ave	0.1300	0.1355		20.8	20.0	4.2	30.0
Tetrahydrofuran	Ave	1.226	1.135		92.6	100	-7.4	30.0
Chloroform	Ave	0.5158	0.5151	0.2000	20.0	20.0	-0.1	30.0
1,1,1-Trichloroethane	Ave	0.4673	0.4796	0.1000	20.5	20.0	2.6	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Lab Sample ID: ICV 410-484275/20 Calibration Date: 03/18/2024 17:57

Instrument ID: 15648 Calib Start Date: 03/18/2024 15:16

GC Column: DB-624 20m ID: 0.18(mm) Calib End Date: 03/18/2024 17:16

Lab File ID: EN18X20.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	0.5717	0.5220	0.1000	18.3	20.0	-8.7	30.0
1,1-Dichloropropene	Ave	0.4209	0.4140		19.7	20.0	-1.6	30.0
Carbon tetrachloride	Ave	0.3997	0.4057	0.1000	20.3	20.0	1.5	30.0
Isobutyl alcohol	Ave	0.3814	0.3721		488	500	-2.5	30.0
Benzene	Ave	1.153	1.165	0.5000	20.2	20.0	1.1	30.0
1,2-Dichloroethane	Ave	0.4643	0.4627	0.1000	19.9	20.0	-0.3	30.0
t-Amyl methyl ether	Ave	0.9047	0.8883		19.6	20.0	-1.8	30.0
n-Heptane	Ave	0.4578	0.4015		17.5	20.0	-12.3	30.0
n-Butanol	Ave	0.2857	0.2697		944	1000	-5.6	30.0
Trichloroethene	Ave	0.2962	0.2942	0.2000	19.9	20.0	-0.7	30.0
Ethyl acrylate	Ave	0.4801	0.5101		21.2	20.0	6.3	30.0
Methylcyclohexane	Ave	0.5108	0.4822	0.1000	18.9	20.0	-5.6	30.0
1,2-Dichloropropane	Ave	0.3118	0.3163	0.1000	20.3	20.0	1.4	30.0
t-Amyl ethyl ether	Ave	0.4734	0.4401		18.6	20.0	-7.0	30.0
Dibromomethane	Ave	0.1847	0.1834		19.9	20.0	-0.7	30.0
1,4-Dioxane	Ave	0.0605	0.0705	0.0050	582	500	16.4	30.0
Methyl methacrylate	Ave	0.2664	0.2568		19.3	20.0	-3.6	30.0
Bromodichloromethane	Ave	0.3784	0.3813	0.2000	20.2	20.0	0.8	30.0
2-Nitropropane	Ave	3.765	3.205		17.0	20.0	-14.9	30.0
2-Chloroethyl vinyl ether	Ave	0.2220	0.2131		19.2	20.0	-4.0	30.0
cis-1,3-Dichloropropene	Ave	0.4938	0.4704	0.2000	19.1	20.0	-4.7	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.4479	0.4506	0.1000	252	250	0.6	30.0
Toluene	Ave	0.995	0.9893	0.4000	19.9	20.0	-0.6	30.0
trans-1,3-Dichloropropene	Ave	0.6276	0.6226	0.1000	19.8	20.0	-0.8	30.0
Ethyl methacrylate	Ave	0.6430	0.6199		19.3	20.0	-3.6	30.0
1,1,2-Trichloroethane	Ave	0.3390	0.3414	0.1000	20.1	20.0	0.7	30.0
Tetrachloroethene	Ave	0.4066	0.4120	0.2000	20.3	20.0	1.3	30.0
1,3-Dichloropropane	Ave	0.6268	0.6228		19.9	20.0	-0.6	30.0
2-Hexanone	Ave	0.4459	0.4404	0.1000	247	250	-1.2	30.0
Dibromochloromethane	Ave	0.3764	0.3732		19.8	20.0	-0.9	30.0
Ethylene Dibromide	Ave	0.3574	0.3586	0.1000	20.1	20.0	0.3	30.0
Chlorobenzene	Ave	1.044	1.057	0.5000	20.2	20.0	1.2	30.0
1-Chlorohexane	Ave	0.5412	0.5093		18.8	20.0	-5.9	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3632	0.3642		20.1	20.0	0.3	30.0
Ethylbenzene	Ave	1.956	1.955	0.1000	20.0	20.0	-0.0	30.0
m&p-Xylene	Ave	0.7359	0.7419	0.1000	40.3	40.0	0.8	30.0
o-Xylene	Ave	0.7228	0.7300	0.3000	20.2	20.0	1.0	30.0
n-Butyl acrylate	Ave	0.9783	1.062		21.7	20.0	8.6	30.0
Styrene	Ave	1.195	1.211	0.3000	20.3	20.0	1.4	30.0
Bromoform	Ave	0.2787	0.2748	0.1000	19.7	20.0	-1.4	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Lab Sample ID: ICV 410-484275/20 Calibration Date: 03/18/2024 17:57

Instrument ID: 15648 Calib Start Date: 03/18/2024 15:16

GC Column: DB-624 20m ID: 0.18(mm) Calib End Date: 03/18/2024 17:16

Lab File ID: EN18X20.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	1.790	1.932	0.1000	21.6	20.0	8.0	30.0
Cyclohexanone	Ave	0.3591	0.2908		405	500	-19.0	30.0
Bromobenzene	Ave	0.7692	0.7691		20.0	20.0	-0.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9799	0.9785	0.3000	20.0	20.0	-0.1	30.0
1,2,3-Trichloropropane	Ave	0.2964	0.2890		19.5	20.0	-2.5	30.0
trans-1,4-Dichloro-2-butene	Ave	0.4031	0.4041		100	100	0.2	30.0
N-Propylbenzene	Ave	3.895	4.032		20.7	20.0	3.5	30.0
2-Chlorotoluene	Ave	0.7570	0.7601		20.1	20.0	0.4	30.0
1,3,5-Trimethylbenzene	Ave	2.771	2.807		20.3	20.0	1.3	30.0
4-Chlorotoluene	Ave	0.7823	0.7828		20.0	20.0	0.0	30.0
tert-Butylbenzene	Ave	0.5565	0.5530		19.9	20.0	-0.6	30.0
1,2,4-Trimethylbenzene	Ave	2.800	2.818		20.1	20.0	0.7	30.0
sec-Butylbenzene	Ave	3.342	3.393		20.3	20.0	1.5	30.0
1,3-Dichlorobenzene	Ave	1.437	1.455	0.6000	20.2	20.0	1.2	30.0
p-Isopropyltoluene	Ave	2.922	2.890		19.8	20.0	-1.1	30.0
1,4-Dichlorobenzene	Ave	1.463	1.477	0.5000	20.2	20.0	1.0	30.0
1,2,3-Trimethylbenzene	Ave	2.840	2.763		19.5	20.0	-2.7	30.0
Benzyl chloride	Ave	2.129	2.014		18.9	20.0	-5.4	30.0
1,3-Diethylbenzene	Ave	1.665	1.657		19.9	20.0	-0.5	30.0
1,4-Diethylbenzene	Ave	1.728	1.700		19.7	20.0	-1.6	30.0
1,2-Dichlorobenzene	Ave	1.389	1.416	0.4000	20.4	20.0	1.9	30.0
n-Butylbenzene	Ave	1.424	1.387		19.5	20.0	-2.6	30.0
1,2-Diethylbenzene	Ave	1.397	1.365		19.6	20.0	-2.2	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.2583	0.2485	0.0500	19.2	20.0	-3.8	30.0
1,3,5-Trichlorobenzene	Ave	0.9646	0.9645		20.0	20.0	-0.0	30.0
1,2,4-Trichlorobenzene	Ave	0.8908	0.9092	0.2000	20.4	20.0	2.1	30.0
Hexachlorobutadiene	Ave	0.3904	0.3828		19.6	20.0	-2.0	30.0
2-Ethylhexyl acrylate	Ave	0.997	1.063		21.3	20.0	6.6	30.0
Naphthalene	Ave	3.032	3.208		21.2	20.0	5.8	30.0
1,2,3-Trichlorobenzene	Ave	0.8395	0.8563		20.4	20.0	2.0	30.0
2-Methylnaphthalene	Ave	1.415	1.560		22.0	20.0	10.2	30.0
Dibromofluoromethane (Surr)	Ave	0.2356	0.2376		50.4	50.0	0.9	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3699	0.3660		49.5	50.0	-1.0	30.0
Toluene-d8 (Surr)	Ave	1.400	1.402		50.1	50.0	0.1	30.0
4-Bromofluorobenzene (Surr)	Ave	0.5319	0.5285		49.7	50.0	-0.6	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X20.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 18-Mar-2024 17:57:30 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0108929-020
Misc. Info.: ICV
Operator ID: jml01693 Instrument ID: 15648
Sublist:

Method: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2024 19:30:13 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: K4WN Date: 18-Mar-2024 18:24:58

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.104	1.116	-0.012	99	187321	20.0	17.8	M
4 Chloromethane	50	1.220	1.226	-0.006	99	189065	20.0	19.2	M
5 Butadiene	39	1.262	1.268	-0.006	95	196107	20.0	17.7	
6 Vinyl chloride	62	1.281	1.287	-0.006	98	176477	20.0	19.3	
8 Bromomethane	94	1.457	1.457	0.000	93	115364	20.0	20.3	
9 Chloroethane	64	1.482	1.482	0.000	99	109420	20.0	20.4	
10 Dichlorofluoromethane	67	1.591	1.598	-0.007	97	262911	20.0	18.2	
11 Pentane	43	1.646	1.652	-0.006	97	213768	20.0	18.5	
12 Trichlorofluoromethane	101	1.665	1.665	0.000	97	221705	20.0	19.4	
14 Ethyl ether	59	1.762	1.768	-0.006	94	72041	20.0	13.2	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	1.793	1.799	-0.006	96	167833	20.0	20.1	
16 Acrolein	56	1.841	1.854	-0.013	98	262135	150.0	130.3	
17 1,1-Dichloroethene	96	1.927	1.933	-0.006	94	101448	20.0	20.6	
18 Acetone	58	1.939	1.951	-0.012	98	190679	250.0	221.6	M
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.957	1.963	-0.006	93	100097	20.0	17.8	
20 Isopropyl alcohol	45	2.024	2.037	-0.013	41	88607	150.0	143.9	M
21 Iodomethane	142	2.036	2.037	-0.001	99	168632	20.0	19.1	
22 Carbon disulfide	76	2.085	2.091	-0.006	99	274925	20.0	18.8	
25 3-Chloro-1-propene	41	2.165	2.177	-0.013	86	210488	20.0	18.7	
26 Methyl acetate	43	2.171	2.177	-0.006	99	137329	20.0	21.6	
27 Methylene Chloride	84	2.262	2.268	-0.006	98	115167	20.0	20.3	
* 28 t-Butyl alcohol-d10 (IS)	65	2.268	2.268	0.000	96	240366	250.0	250.0	
29 2-Methyl-2-propanol	59	2.335	2.335	0.000	98	200603	200.0	185.8	M
30 Acrylonitrile	53	2.439	2.445	-0.006	98	326361	100.0	100.9	M
32 trans-1,2-Dichloroethene	96	2.482	2.488	-0.006	94	112331	20.0	20.4	
31 Methyl tert-butyl ether	73	2.488	2.494	-0.006	99	393633	20.0	19.6	
33 Hexane	57	2.719	2.725	-0.006	96	172857	20.0	18.0	
34 1,1-Dichloroethane	63	2.835	2.841	-0.006	97	240358	20.0	20.2	
36 Isopropyl ether	45	2.908	2.921	-0.013	92	425821	20.0	19.5	
37 2-Chloro-1,3-butadiene	53	2.920	2.927	-0.007	96	227336	20.0	19.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	3.237	3.244	-0.007	98	420500	20.0	20.0	
40 cis-1,2-Dichloroethene	96	3.359	3.366	-0.007	84	127799	20.0	20.5	
39 2-Butanone (MEK)	43	3.365	3.372	-0.007	99	1122714	250.0	238.8	
41 2,2-Dichloropropane	77	3.372	3.378	-0.006	48	213889	20.0	19.5	
42 Propionitrile	54	3.420	3.427	-0.007	97	199789	150.0	138.7	
186 Methyl acrylate	55	3.469	3.475	-0.006	100	192397	20.0	23.2	
44 Methacrylonitrile	67	3.567	3.567	0.000	94	518619	150.0	152.5	
45 Chlorobromomethane	128	3.579	3.585	-0.006	90	58520	20.0	20.8	
46 Tetrahydrofuran	71	3.622	3.628	-0.006	94	109103	100.0	92.6	
47 Chloroform	83	3.664	3.664	0.000	96	222533	20.0	20.0	
$ 48 Dibromofluoromethane (Surr)	113	3.811	3.817	-0.006	93	256665	50.0	50.4	
49 1,1,1-Trichloroethane	97	3.841	3.847	-0.006	97	207214	20.0	20.5	
51 Cyclohexane	56	3.896	3.902	-0.006	97	225530	20.0	18.3	
52 1,1-Dichloropropene	75	3.993	4.000	-0.007	90	178866	20.0	19.7	
53 Carbon tetrachloride	117	4.000	4.006	-0.006	97	175260	20.0	20.3	
54 Isobutyl alcohol	41	4.121	4.128	-0.007	66	178868	500.0	487.7	
$ 55 1,2-Dichloroethane-d4 (Surr)	65	4.128	4.134	-0.006	97	395342	50.0	49.5	
56 Benzene	78	4.188	4.195	-0.007	98	503249	20.0	20.2	
57 1,2-Dichloroethane	62	4.201	4.207	-0.006	98	199907	20.0	19.9	
59 Tert-amyl methyl ether	73	4.317	4.323	-0.006	96	383763	20.0	19.6	
* 60 Fluorobenzene (IS)	96	4.469	4.469	0.000	97	1080038	50.0	50.0	
61 n-Heptane	43	4.481	4.487	-0.006	94	173466	20.0	17.5	
62 n-Butanol	56	4.786	4.792	-0.006	95	259343	1000.0	944.1	
63 Trichloroethene	95	4.835	4.835	0.000	96	127108	20.0	19.9	
195 Ethyl acrylate	55	4.963	4.969	-0.006	99	220281	20.0	21.2	
64 Methylcyclohexane	83	5.036	5.036	0.000	93	208335	20.0	18.9	
65 1,2-Dichloropropane	63	5.054	5.054	0.000	91	136625	20.0	20.3	
66 2-ethoxy-2-methyl butane	87	5.127	5.127	0.000	92	190130	20.0	18.6	
67 Dibromomethane	93	5.170	5.170	0.000	95	79246	20.0	19.9	
68 1,4-Dioxane	88	5.200	5.194	0.006	34	33889	500.0	582.2	M
69 Methyl methacrylate	69	5.207	5.207	0.000	93	110943	20.0	19.3	
71 Dichlorobromomethane	83	5.341	5.347	-0.006	98	164729	20.0	20.2	
72 2-Nitropropane	41	5.578	5.579	-0.001	99	61630	20.0	17.0	
73 2-Chloroethyl vinyl ether	63	5.682	5.682	0.000	93	92067	20.0	19.2	
74 cis-1,3-Dichloropropene	75	5.822	5.822	0.000	90	203239	20.0	19.1	
75 4-Methyl-2-pentanone (MIBK)	43	5.999	5.999	0.000	99	2433445	250.0	251.5	
$ 77 Toluene-d8 (Surr)	98	6.103	6.103	0.000	95	1121182	50.0	50.1	
78 Toluene	92	6.176	6.176	0.000	97	316435	20.0	19.9	
79 trans-1,3-Dichloropropene	75	6.420	6.426	-0.006	99	199131	20.0	19.8	
81 Ethyl methacrylate	69	6.560	6.560	0.000	92	198289	20.0	19.3	
82 1,1,2-Trichloroethane	97	6.615	6.615	0.000	94	109199	20.0	20.1	
83 Tetrachloroethene	166	6.767	6.767	0.000	94	131788	20.0	20.3	
84 1,3-Dichloropropane	76	6.792	6.792	0.000	97	199221	20.0	19.9	
86 2-Hexanone	43	6.914	6.914	0.000	98	1761029	250.0	246.9	
87 Chlorodibromomethane	129	7.036	7.036	0.000	90	119357	20.0	19.8	
89 Ethylene Dibromide	107	7.145	7.145	0.000	98	114700	20.0	20.1	
* 90 Chlorobenzene-d5 (IS)	117	7.639	7.639	0.000	89	799652	50.0	50.0	
91 Chlorobenzene	112	7.670	7.670	0.000	93	338064	20.0	20.2	
92 1-Chlorohexane	91	7.682	7.682	0.000	90	162906	20.0	18.8	
94 1,1,1,2-Tetrachloroethane	131	7.755	7.761	-0.006	93	116502	20.0	20.1	
95 Ethylbenzene	91	7.791	7.792	-0.001	99	625324	20.0	20.0	
96 m-Xylene & p-Xylene	106	7.907	7.907	0.000	99	474625	40.0	40.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
97 o-Xylene	106	8.261	8.261	0.000	95	233513	20.0	20.2	
274 n-Butyl acrylate	55	8.267	8.267	0.000	94	340212	20.0	21.7	
98 Styrene	104	8.273	8.273	0.000	91	387338	20.0	20.3	
99 Bromoform	173	8.413	8.413	0.000	95	87897	20.0	19.7	
100 Isopropylbenzene	105	8.584	8.584	0.000	97	618025	20.0	21.6	
101 Cyclohexanone	55	8.639	8.639	0.000	95	139767	500.0	404.8	
$ 103 4-Bromofluorobenzene (Surr)	95	8.700	8.700	0.000	86	422581	50.0	49.7	
104 Bromobenzene	156	8.810	8.810	0.000	99	137440	20.0	20.0	
105 1,1,2,2-Tetrachloroethane	83	8.828	8.828	0.000	96	174865	20.0	20.0	
106 1,2,3-Trichloropropane	110	8.852	8.852	0.000	87	51640	20.0	19.5	
107 trans-1,4-Dichloro-2-butene	53	8.877	8.877	0.000	96	361029	100.0	100.2	
108 N-Propylbenzene	91	8.919	8.925	-0.006	99	720469	20.0	20.7	
109 2-Chlorotoluene	126	8.974	8.974	0.000	95	135824	20.0	20.1	
111 4-Chlorotoluene	126	9.066	9.066	0.000	99	139886	20.0	20.0	
110 1,3,5-Trimethylbenzene	105	9.066	9.066	0.000	94	501618	20.0	20.3	
113 tert-Butylbenzene	134	9.316	9.316	0.000	94	98828	20.0	19.9	
115 1,2,4-Trimethylbenzene	105	9.346	9.346	0.000	99	503579	20.0	20.1	
116 sec-Butylbenzene	105	9.480	9.480	0.000	95	606337	20.0	20.3	
117 1,3-Dichlorobenzene	146	9.547	9.547	0.000	97	259942	20.0	20.2	
118 4-Isopropyltoluene	119	9.590	9.590	0.000	97	516381	20.0	19.8	
* 119 1,4-Dichlorobenzene-d4	152	9.596	9.596	0.000	97	446746	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.608	9.608	0.000	95	263935	20.0	20.2	
121 1,2,3-Trimethylbenzene	105	9.657	9.657	0.000	99	493698	20.0	19.5	
122 Benzyl chloride	91	9.712	9.712	0.000	99	359987	20.0	18.9	
123 1,3-Diethylbenzene	119	9.809	9.809	0.000	95	296165	20.0	19.9	
124 p-Diethylbenzene	119	9.864	9.864	0.000	92	303772	20.0	19.7	
125 1,2-Dichlorobenzene	146	9.876	9.877	0.000	95	252987	20.0	20.4	
126 n-Butylbenzene	92	9.883	9.883	-0.001	97	247804	20.0	19.5	
162 o-diethylbenzene	119	9.943	9.944	-0.001	98	243993	20.0	19.6	
164 1,2-Dibromo-3-Chloropropane	75	10.413	10.413	0.000	87	44415	20.0	19.2	
165 1,3,5-Trichlorobenzene	180	10.565	10.565	0.000	96	172360	20.0	20.0	
166 1,2,4-Trichlorobenzene	180	10.974	10.974	0.000	94	162467	20.0	20.4	
167 Hexachlorobutadiene	225	11.090	11.090	0.000	95	68402	20.0	19.6	
271 2-Ethylhexyl acrylate	55	11.114	11.114	0.000	84	189937	20.0	21.3	
168 Naphthalene	128	11.132	11.126	0.006	98	573338	20.0	21.2	
170 1,2,3-Trichlorobenzene	180	11.285	11.285	0.000	94	153019	20.0	20.4	
171 2-Methylnaphthalene	142	11.846	11.846	0.000	92	278787	20.0	22.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00158	Amount Added:	50.00	Units: uL	
MSV_LCS_2CEVE_00163	Amount Added:	50.00	Units: uL	
MSV_LCS_CYC_00008	Amount Added:	50.00	Units: uL	
MSV_LCS_ACROL_00159	Amount Added:	50.00	Units: uL	
MSV_LCS_Gases_00189	Amount Added:	50.00	Units: uL	
MSV_LCS_EE_00008	Amount Added:	50.00	Units: uL	
MSV_LCS_OH_Sp_00011	Amount Added:	50.00	Units: uL	
MSV_Cent_ISSS_00023	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 18-Mar-2024 19:30:17 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X20.D

Injection Date: 18-Mar-2024 17:57:30 Instrument ID: 15648 Operator ID: jml01693

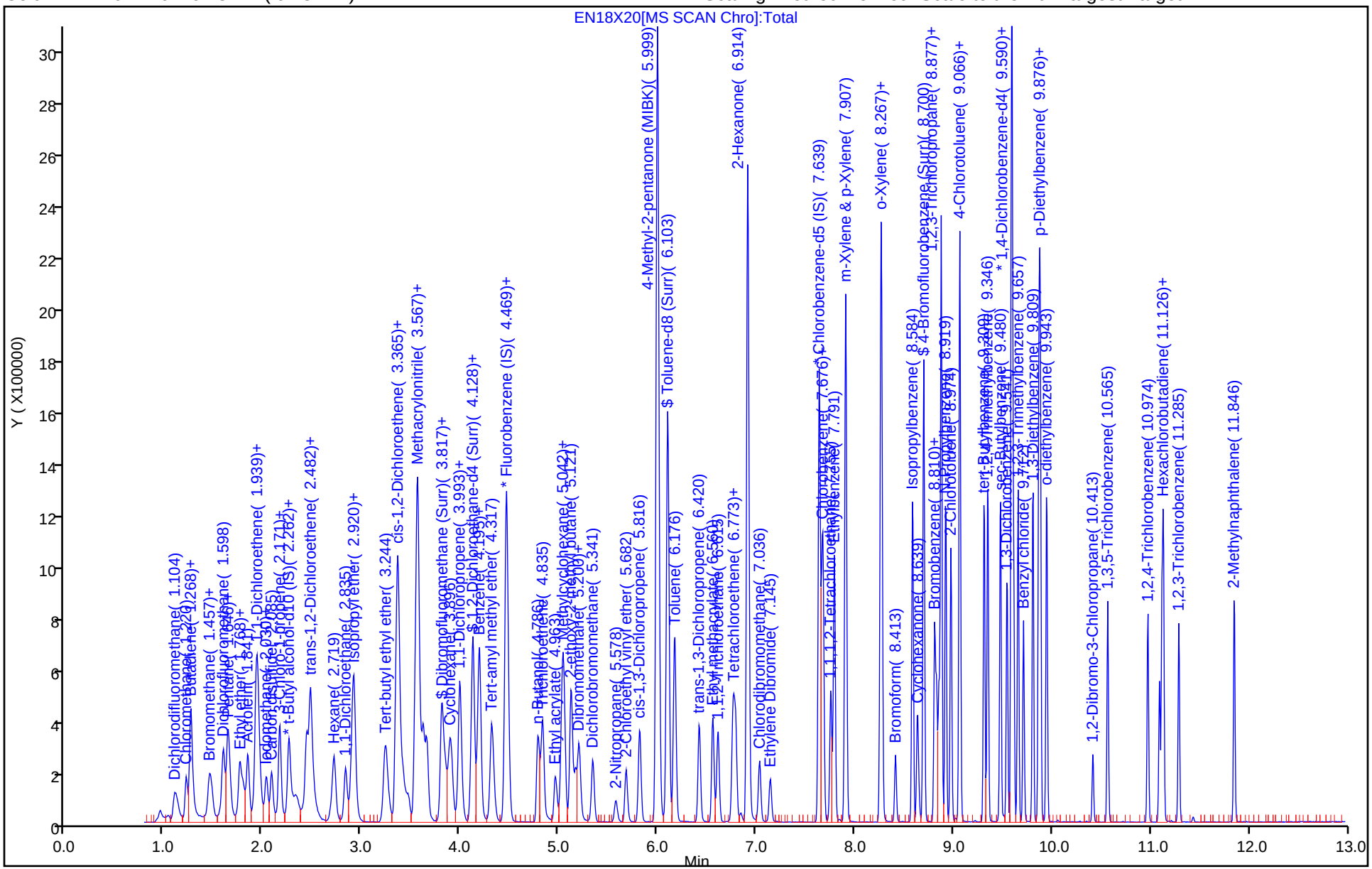
Lims ID: ICV Worklist Smp#: 20

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 20

Method: MSVoa_15648 Limit Group: MSV - 8260C_D

Column: DB-624 20m 0.18mm (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

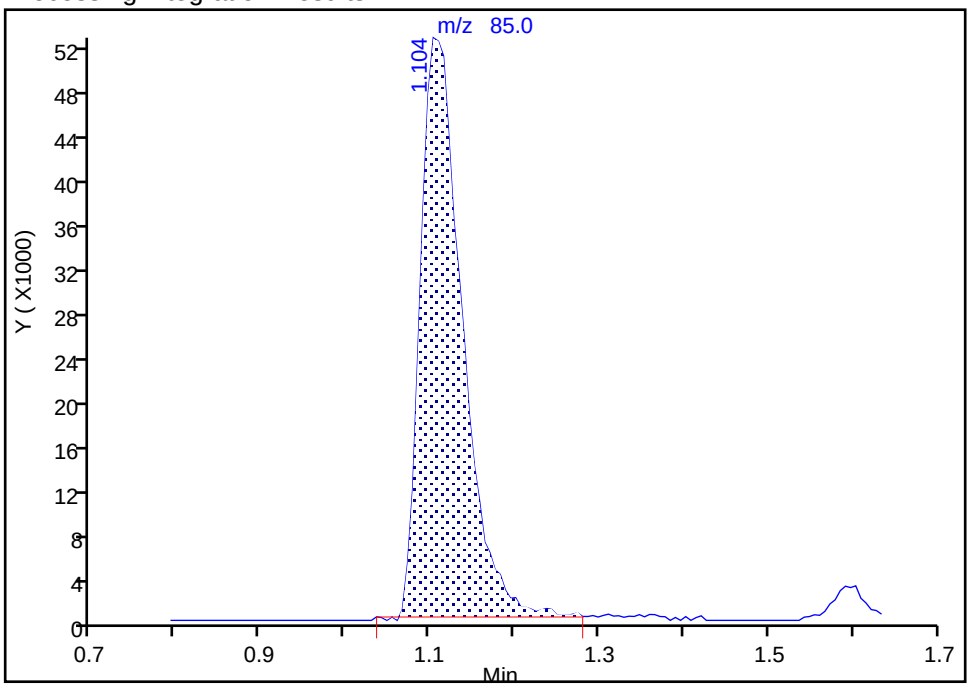
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X20.D				
Injection Date:	18-Mar-2024 17:57:30	Instrument ID:	15648		
Lims ID:	ICV				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

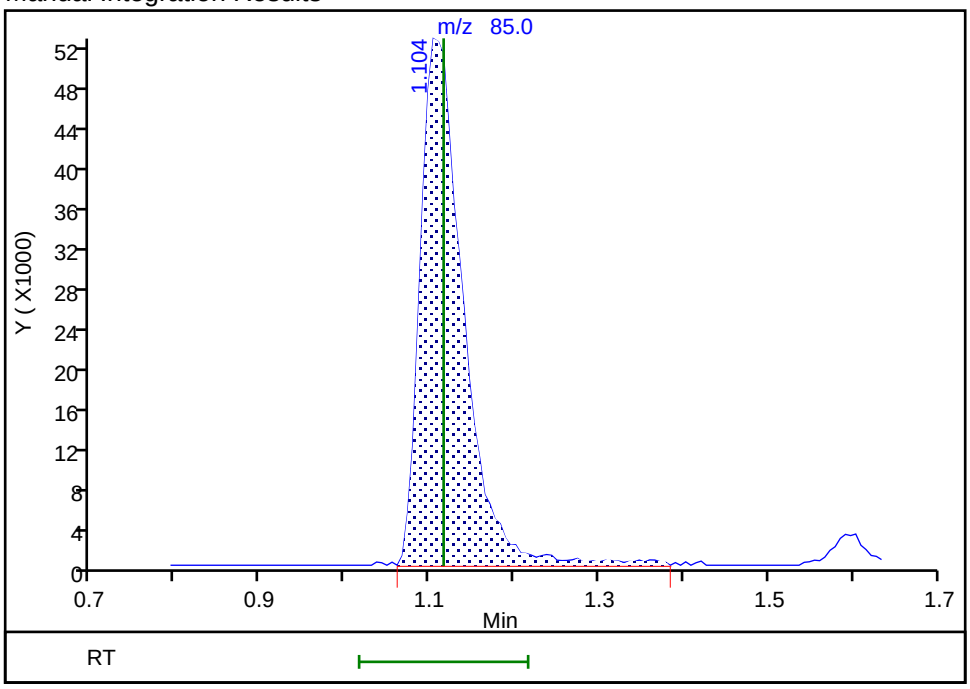
Processing Integration Results

RT: 1.10
Area: 180402
Amount: 17.154416
Amount Units: ug/l



Manual Integration Results

RT: 1.10
Area: 187321
Amount: 17.812343
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 18:22:29 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

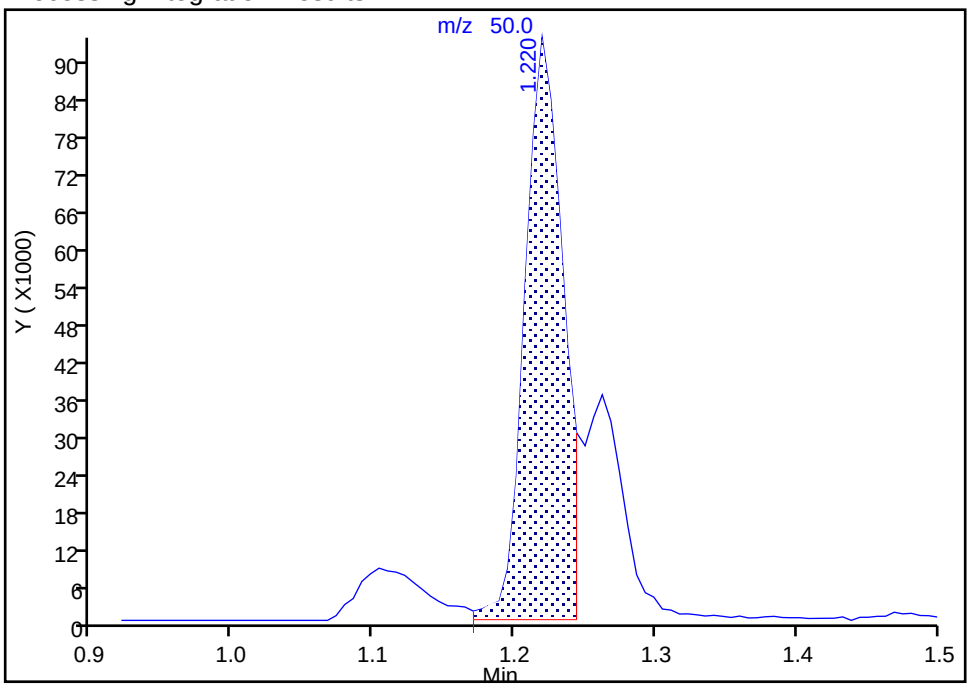
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X20.D				
Injection Date:	18-Mar-2024 17:57:30	Instrument ID:	15648		
Lims ID:	ICV				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

4 Chloromethane, CAS: 74-87-3

Signal: 1

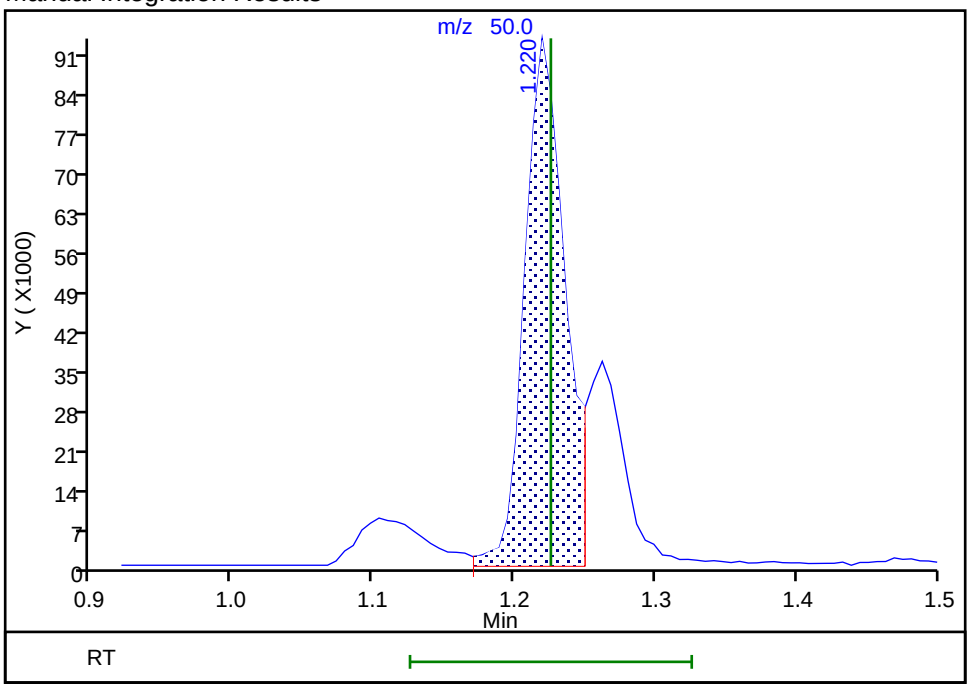
Processing Integration Results

RT: 1.22
Area: 178843
Amount: 18.131447
Amount Units: ug/l



Manual Integration Results

RT: 1.22
Area: 189065
Amount: 19.167773
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 18:22:47 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

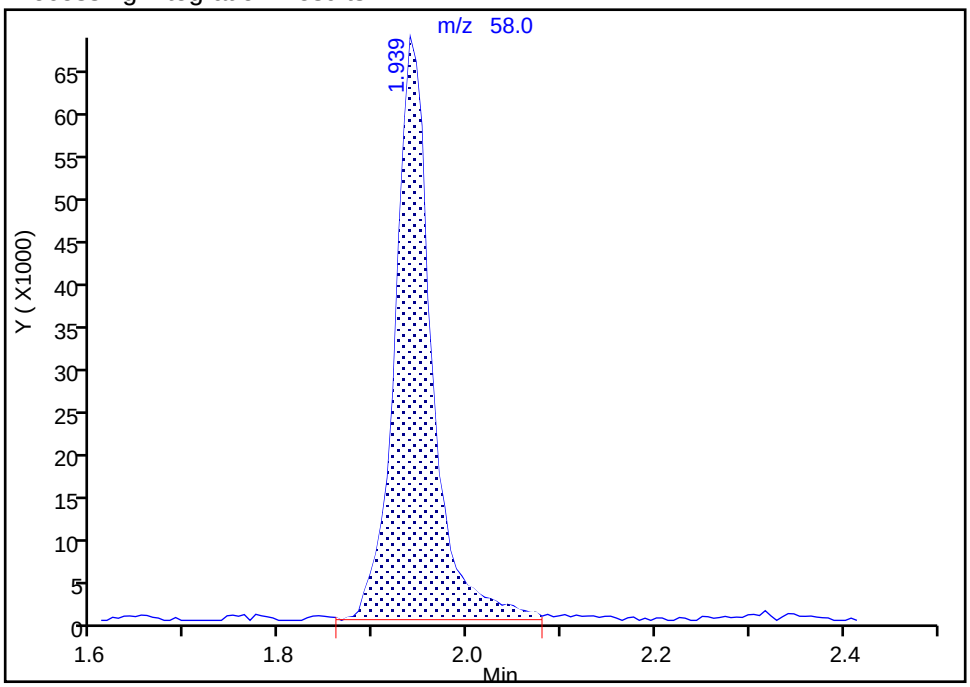
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X20.D				
Injection Date:	18-Mar-2024 17:57:30	Instrument ID:	15648		
Lims ID:	ICV				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

18 Acetone, CAS: 67-64-1

Signal: 1

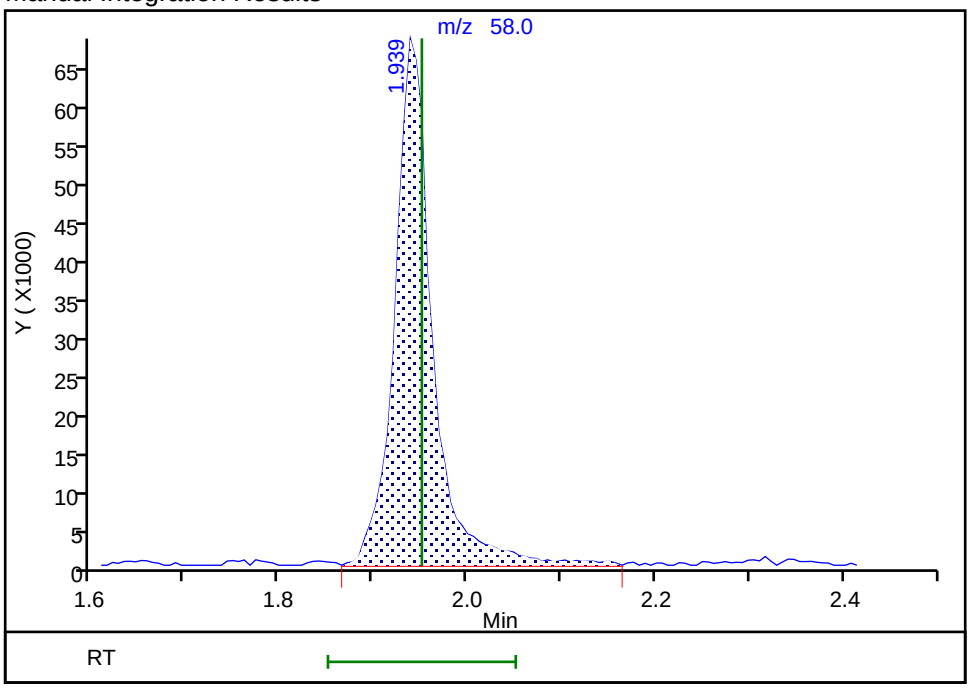
Processing Integration Results

RT: 1.94
Area: 188416
Amount: 218.9327
Amount Units: ug/l



Manual Integration Results

RT: 1.94
Area: 190679
Amount: 221.5623
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 18:23:00 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

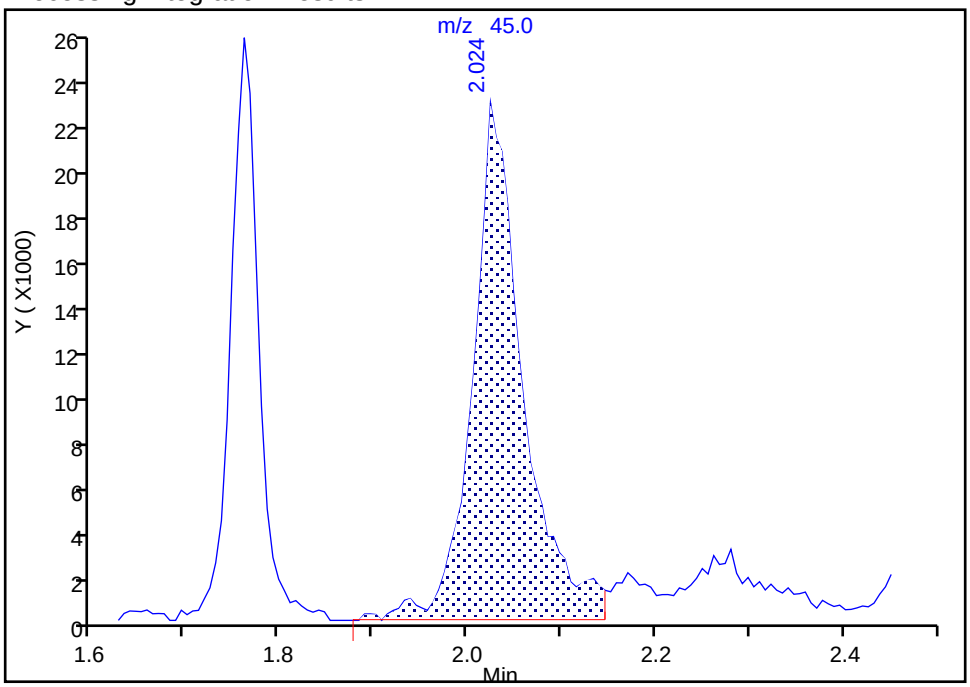
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X20.D				
Injection Date:	18-Mar-2024 17:57:30	Instrument ID:	15648		
Lims ID:	ICV				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

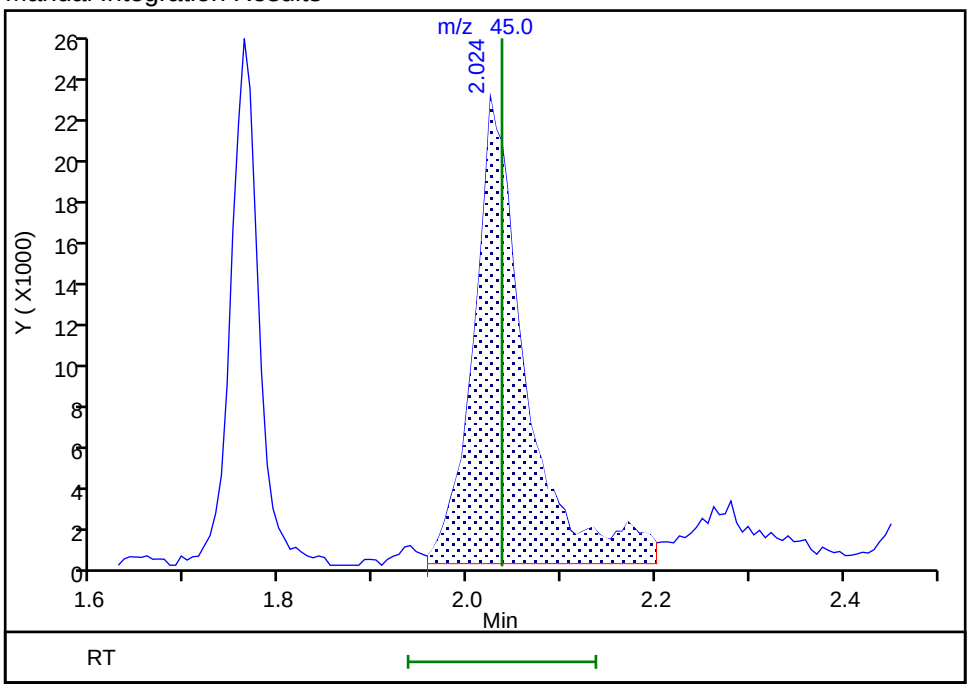
Processing Integration Results

RT: 2.02
Area: 86058
Amount: 139.8074
Amount Units: ug/l



Manual Integration Results

RT: 2.02
Area: 88607
Amount: 143.9484
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 18:23:15 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

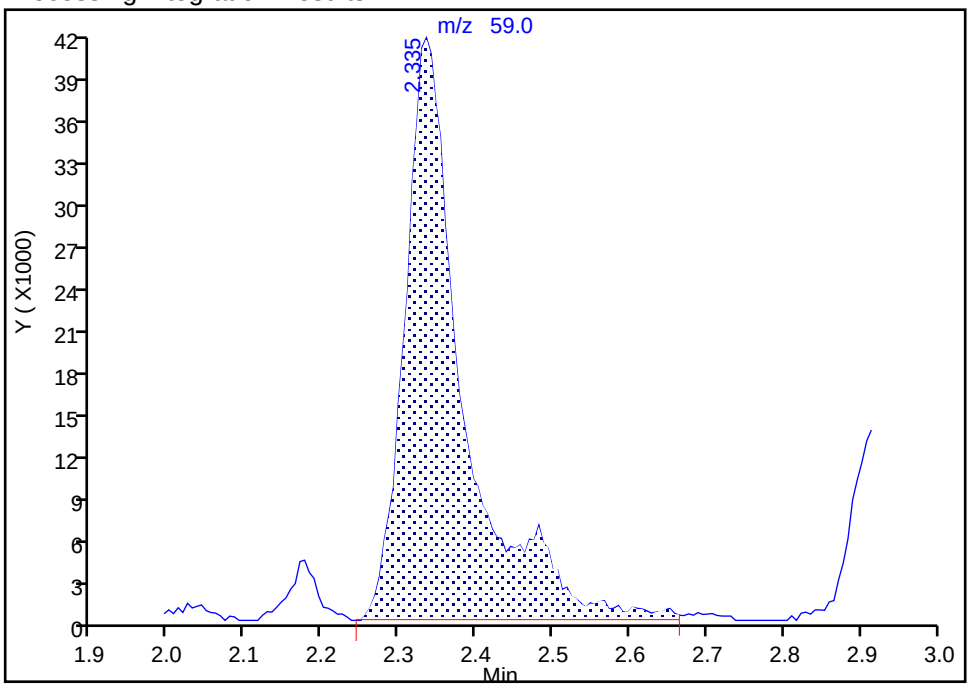
Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X20.D
Injection Date: 18-Mar-2024 17:57:30 Instrument ID: 15648
Lims ID: ICV
Client ID:
Operator ID: jml01693 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15648 Limit Group: MSV - 8260C_D
Column: DB-624 20m 0.18mm (0.18 mm) Detector MS Quad

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

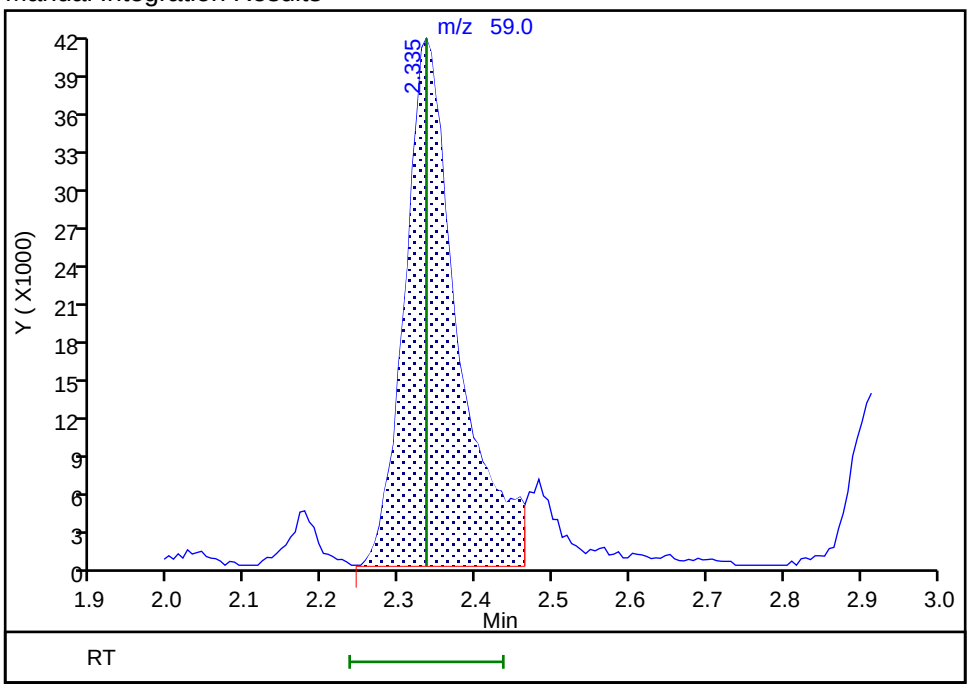
Processing Integration Results

RT: 2.34
Area: 223710
Amount: 207.1939
Amount Units: ug/l



Manual Integration Results

RT: 2.34
Area: 200603
Amount: 185.7929
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 18:23:25 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

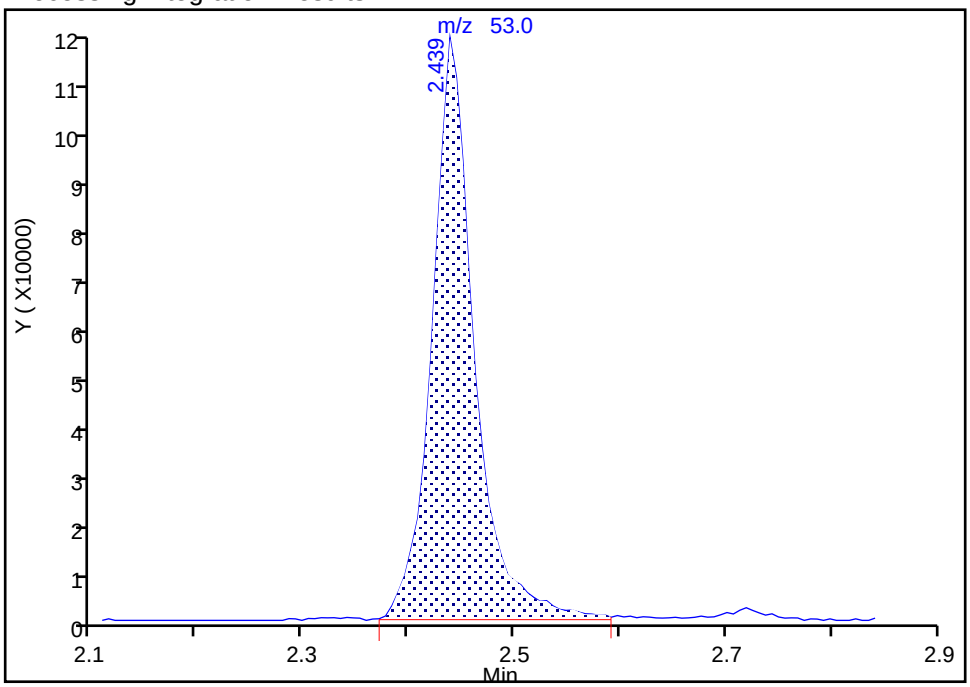
Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X20.D				
Injection Date:	18-Mar-2024 17:57:30	Instrument ID:	15648		
Lims ID:	ICV				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

30 Acrylonitrile, CAS: 107-13-1

Signal: 1

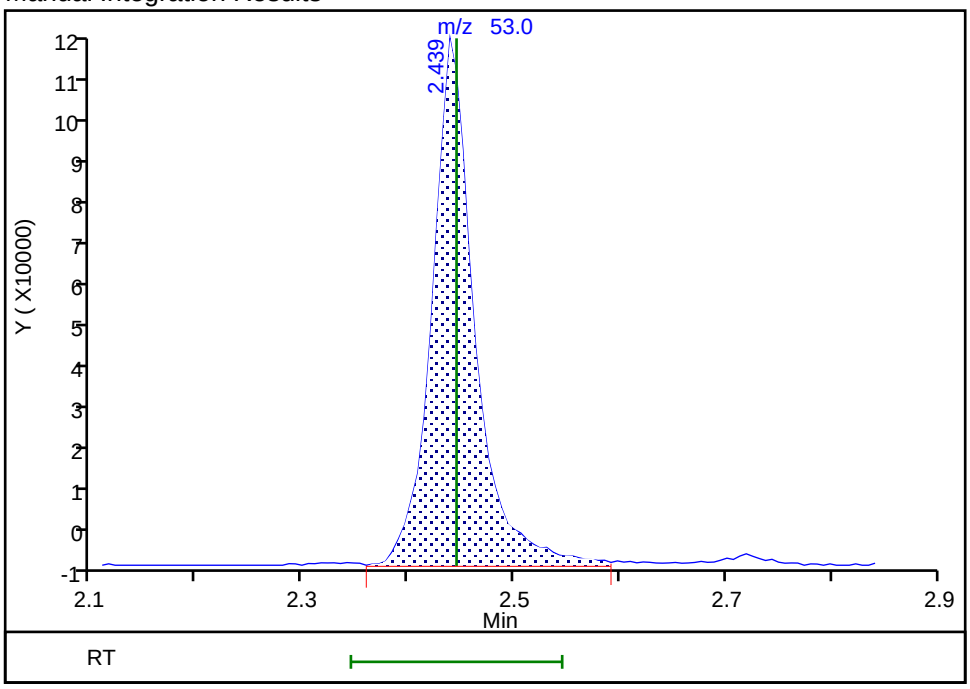
Processing Integration Results

RT: 2.44
Area: 323020
Amount: 99.897861
Amount Units: ug/l



Manual Integration Results

RT: 2.44
Area: 326361
Amount: 100.9311
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 18:23:42 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

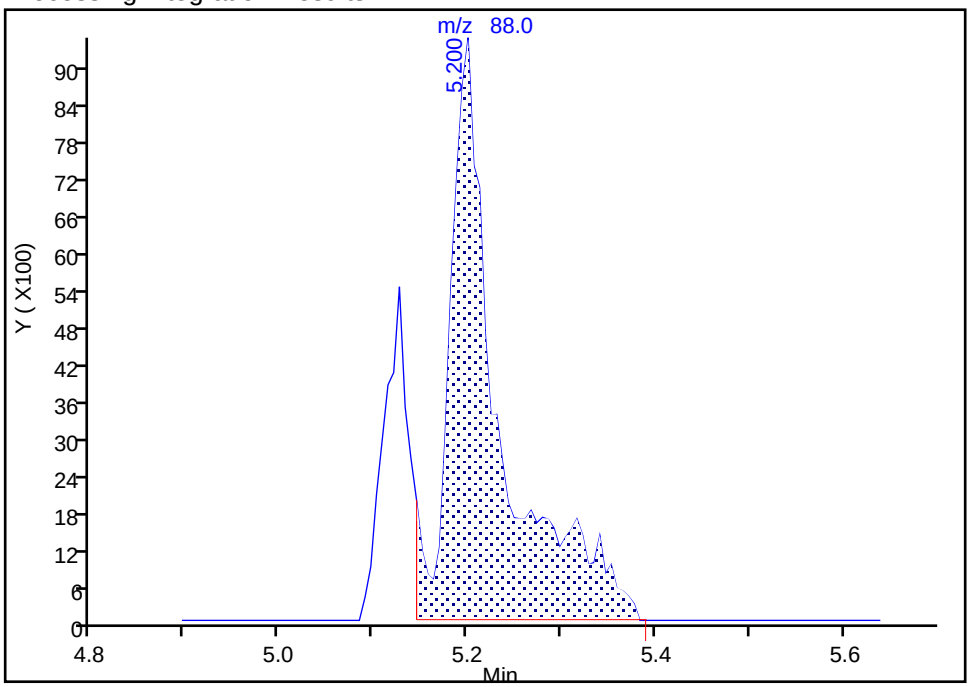
Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X20.D
Injection Date: 18-Mar-2024 17:57:30 Instrument ID: 15648
Lims ID: ICV
Client ID:
Operator ID: jml01693 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15648 Limit Group: MSV - 8260C_D
Column: DB-624 20m 0.18mm (0.18 mm) Detector MS Quad

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

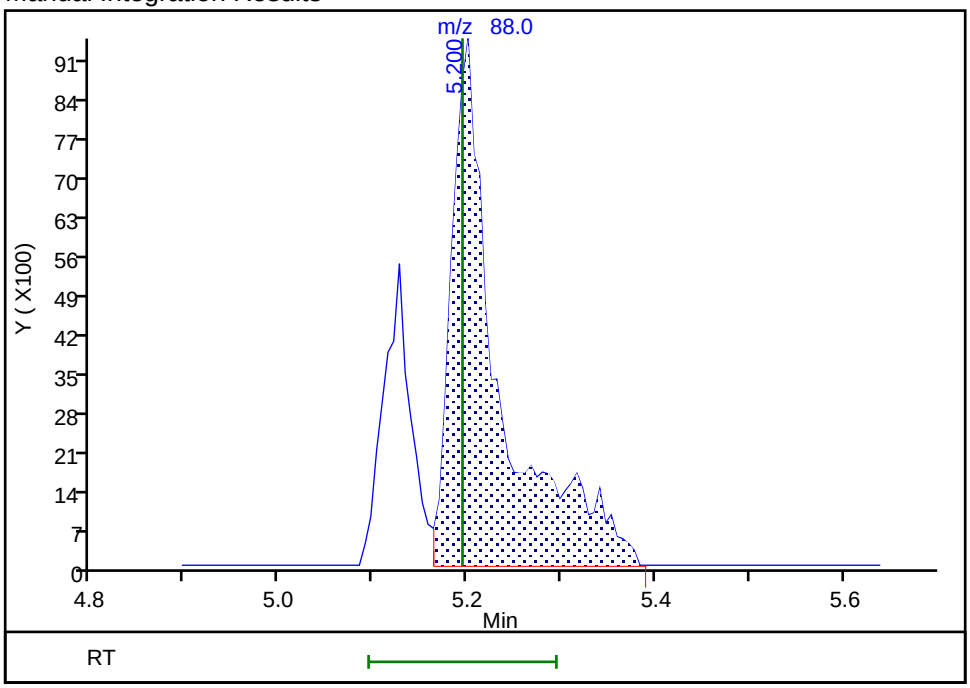
Processing Integration Results

RT: 5.20
Area: 35283
Amount: 606.1139
Amount Units: ug/l



Manual Integration Results

RT: 5.20
Area: 33889
Amount: 582.1669
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2024 18:23:57 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Lab Sample ID: CCVIS 410-486390/3 Calibration Date: 03/22/2024 20:31

Instrument ID: 15648 Calib Start Date: 03/18/2024 15:16

GC Column: DB-624 20m ID: 0.18(mm) Calib End Date: 03/18/2024 17:16

Lab File ID: EM22X32.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	0.4869	0.4412	0.1000	45.3	50.0	-9.4	20.0
Chloromethane	Ave	0.4566	0.4644	0.1000	50.8	50.0	1.7	20.0
1,3-Butadiene	Ave	0.5134	0.5536		53.9	50.0	7.8	20.0
Vinyl chloride	Ave	0.4240	0.4072	0.1000	48.0	50.0	-4.0	20.0
Bromomethane	Ave	0.2628	0.2544	0.1000	48.4	50.0	-3.2	20.0
Chloroethane	Ave	0.2483	0.2319	0.1000	46.7	50.0	-6.6	20.0
Dichlorofluoromethane	Ave	0.6676	0.6207		46.5	50.0	-7.0	20.0
n-Pentane	Ave	0.5354	0.5355		50.0	50.0	0.0	20.0
Trichlorofluoromethane	Ave	0.5284	0.4875	0.1000	46.1	50.0	-7.7	20.0
Freon 123a	Ave	0.3875	0.3523		45.5	50.0	-9.1	20.0
Acrolein	Ave	2.093	1.736		415	500	-17.0	20.0
1,1-Dichloroethene	Ave	0.2279	0.2282	0.1000	50.1	50.0	0.1	20.0
Acetone	Ave	0.8951	0.9800	0.1000	109	100	9.5	20.0
Freon 113	Ave	0.2607	0.2633	0.1000	50.5	50.0	1.0	20.0
2-Propanol	Ave	0.6402	0.6669		260	250	4.2	20.0
Methyl iodide	Ave	0.4097	0.3985		48.6	50.0	-2.7	20.0
Carbon disulfide	Ave	0.6786	0.6646	0.1000	49.0	50.0	-2.1	20.0
Allyl chloride	Ave	0.5223	0.5168		49.5	50.0	-1.0	20.0
Methyl acetate	Ave	0.2937	0.3066	0.1000	52.2	50.0	4.4	20.0
Methylene Chloride	Ave	0.2629	0.2556	0.1000	48.6	50.0	-2.8	20.0
t-Butyl alcohol	Ave	1.123	1.141		254	250	1.6	20.0
Acrylonitrile	Ave	0.1497	0.1474		123	125	-1.5	20.0
trans-1,2-Dichloroethene	Ave	0.2552	0.2549	0.1000	49.9	50.0	-0.1	20.0
Methyl tert-butyl ether	Ave	0.9292	0.9508	0.1000	51.2	50.0	2.3	20.0
n-Hexane	Ave	0.4451	0.4432		49.8	50.0	-0.4	20.0
1,1-Dichloroethane	Ave	0.5499	0.5359	0.2000	48.7	50.0	-2.5	20.0
Isopropyl ether	Ave	1.013	1.019		50.3	50.0	0.6	20.0
2-Chloro-1,3-butadiene	Ave	0.5409	0.5349		49.4	50.0	-1.1	20.0
Ethyl t-butyl ether	Ave	0.9710	0.9930		51.1	50.0	2.3	20.0
cis-1,2-Dichloroethene	Ave	0.2893	0.2846	0.1000	49.2	50.0	-1.6	20.0
2-Butanone (MEK)	Ave	0.2176	0.2116	0.1000	97.2	100	-2.8	20.0
2,2-Dichloropropane	Ave	0.5090	0.5018		49.3	50.0	-1.4	20.0
Propionitrile	Ave	1.498	1.549		259	250	3.4	20.0
Methyl acrylate	Ave	0.3834	0.4034		52.6	50.0	5.2	20.0
Methacrylonitrile	Ave	0.1575	0.1566		124	125	-0.6	20.0
Bromochloromethane	Ave	0.1300	0.1325		51.0	50.0	1.9	20.0
Tetrahydrofuran	Ave	1.226	1.269		259	250	3.6	20.0
Chloroform	Ave	0.5158	0.5139	0.2000	49.8	50.0	-0.4	20.0
1,1,1-Trichloroethane	Ave	0.4673	0.4635	0.1000	49.6	50.0	-0.8	20.0
Cyclohexane	Ave	0.5717	0.5517	0.1000	48.3	50.0	-3.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Lab Sample ID: CCVIS 410-486390/3 Calibration Date: 03/22/2024 20:31

Instrument ID: 15648 Calib Start Date: 03/18/2024 15:16

GC Column: DB-624 20m ID: 0.18(mm) Calib End Date: 03/18/2024 17:16

Lab File ID: EM22X32.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	0.4209	0.4128		49.0	50.0	-1.9	20.0
Carbon tetrachloride	Ave	0.3997	0.3941	0.1000	49.3	50.0	-1.4	20.0
Isobutyl alcohol	Ave	0.3814	0.4072		667	625	6.8	20.0
Benzene	Ave	1.153	1.165	0.5000	50.5	50.0	1.0	20.0
1,2-Dichloroethane	Ave	0.4643	0.4589	0.1000	49.4	50.0	-1.2	20.0
t-Amyl methyl ether	Ave	0.9047	0.9218		50.9	50.0	1.9	20.0
n-Heptane	Ave	0.4578	0.4542		49.6	50.0	-0.8	20.0
n-Butanol	Ave	0.2857	0.2868		627	625	0.4	20.0
Trichloroethene	Ave	0.2962	0.2953	0.2000	49.8	50.0	-0.3	20.0
Ethyl acrylate	Ave	0.4801	0.4818		50.2	50.0	0.4	20.0
Methylcyclohexane	Ave	0.5108	0.5152	0.1000	50.4	50.0	0.9	20.0
1,2-Dichloropropane	Ave	0.3118	0.3167	0.1000	50.8	50.0	1.6	20.0
t-Amyl ethyl ether	Ave	0.4734	0.4779		50.5	50.0	1.0	20.0
Dibromomethane	Ave	0.1847	0.1829		49.5	50.0	-1.0	20.0
1,4-Dioxane	Ave	0.0605	0.0715	0.0050	738	625	18.0	20.0
Methyl methacrylate	Ave	0.2664	0.2696		50.6	50.0	1.2	20.0
Bromodichloromethane	Ave	0.3784	0.3792	0.2000	50.1	50.0	0.2	20.0
2-Nitropropane	Ave	3.765	3.905		259	250	3.7	20.0
2-Chloroethyl vinyl ether	Ave	0.2220	0.2267		51.1	50.0	2.1	20.0
cis-1,3-Dichloropropene	Ave	0.4938	0.4996	0.2000	50.6	50.0	1.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.4479	0.4547	0.1000	102	100	1.5	20.0
Toluene	Ave	0.995	0.998	0.4000	50.1	50.0	0.3	20.0
trans-1,3-Dichloropropene	Ave	0.6276	0.6449	0.1000	51.4	50.0	2.8	20.0
Ethyl methacrylate	Ave	0.6430	0.6636		51.6	50.0	3.2	20.0
1,1,2-Trichloroethane	Ave	0.3390	0.3485	0.1000	51.4	50.0	2.8	20.0
Tetrachloroethene	Ave	0.4066	0.4001	0.2000	49.2	50.0	-1.6	20.0
1,3-Dichloropropane	Ave	0.6268	0.6407		51.1	50.0	2.2	20.0
2-Hexanone	Ave	0.4459	0.4418	0.1000	99.1	100	-0.9	20.0
Dibromochloromethane	Ave	0.3764	0.3773		50.1	50.0	0.2	20.0
Ethylene Dibromide	Ave	0.3574	0.3665	0.1000	51.3	50.0	2.5	20.0
Chlorobenzene	Ave	1.044	1.065	0.5000	51.0	50.0	2.0	20.0
1-Chlorohexane	Ave	0.5412	0.5348		49.4	50.0	-1.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3632	0.3714		51.1	50.0	2.3	20.0
Ethylbenzene	Ave	1.956	1.967	0.1000	50.3	50.0	0.6	20.0
m&p-Xylene	Ave	0.7359	0.7492	0.1000	102	100	1.8	20.0
o-Xylene	Ave	0.7228	0.7353	0.3000	50.9	50.0	1.7	20.0
n-Butyl acrylate	Ave	0.9783	0.9886		50.6	50.0	1.1	20.0
Styrene	Ave	1.195	1.214	0.3000	50.8	50.0	1.6	20.0
Bromoform	Ave	0.2787	0.2727	0.1000	48.9	50.0	-2.1	20.0
Isopropylbenzene	Ave	1.790	1.814	0.1000	50.7	50.0	1.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Lab Sample ID: CCVIS 410-486390/3 Calibration Date: 03/22/2024 20:31

Instrument ID: 15648 Calib Start Date: 03/18/2024 15:16

GC Column: DB-624 20m ID: 0.18(mm) Calib End Date: 03/18/2024 17:16

Lab File ID: EM22X32.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
Bromobenzene	Ave	0.7692	0.7804		50.7	50.0	1.5	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9799	1.012	0.3000	51.7	50.0	3.3	20.0
1,2,3-Trichloropropane	Ave	0.2964	0.3074		51.8	50.0	3.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.4031	0.3530		109	125	-12.4	20.0
N-Propylbenzene	Ave	3.895	4.034		51.8	50.0	3.6	20.0
2-Chlorotoluene	Ave	0.7570	0.7742		51.1	50.0	2.3	20.0
1,3,5-Trimethylbenzene	Ave	2.771	2.874		51.9	50.0	3.7	20.0
4-Chlorotoluene	Ave	0.7823	0.7972		51.0	50.0	1.9	20.0
tert-Butylbenzene	Ave	0.5565	0.5832		52.4	50.0	4.8	20.0
1,2,4-Trimethylbenzene	Ave	2.800	2.908		51.9	50.0	3.9	20.0
sec-Butylbenzene	Ave	3.342	3.540		53.0	50.0	5.9	20.0
1,3-Dichlorobenzene	Ave	1.437	1.475	0.6000	51.3	50.0	2.7	20.0
p-Isopropyltoluene	Ave	2.922	3.058		52.3	50.0	4.7	20.0
1,4-Dichlorobenzene	Ave	1.463	1.504	0.5000	51.4	50.0	2.8	20.0
1,2,3-Trimethylbenzene	Ave	2.840	2.929		51.6	50.0	3.2	20.0
Benzyl chloride	Ave	2.129	2.309		54.2	50.0	8.4	20.0
1,3-Diethylbenzene	Ave	1.665	1.746		52.4	50.0	4.8	20.0
1,4-Diethylbenzene	Ave	1.728	1.809		52.4	50.0	4.7	20.0
1,2-Dichlorobenzene	Ave	1.389	1.439	0.4000	51.8	50.0	3.6	20.0
n-Butylbenzene	Ave	1.424	1.500		52.7	50.0	5.3	20.0
1,2-Diethylbenzene	Ave	1.397	1.469		52.6	50.0	5.2	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2583	0.2670	0.0500	51.7	50.0	3.4	20.0
1,3,5-Trichlorobenzene	Ave	0.9646	1.012		52.5	50.0	4.9	20.0
1,2,4-Trichlorobenzene	Ave	0.8908	0.9717	0.2000	54.5	50.0	9.1	20.0
Hexachlorobutadiene	Ave	0.3904	0.4047		51.8	50.0	3.7	20.0
2-Ethylhexyl acrylate	Ave	0.997	1.010		50.6	50.0	1.3	20.0
Naphthalene	Ave	3.032	3.336		55.0	50.0	10.0	20.0
1,2,3-Trichlorobenzene	Ave	0.8395	0.9227		55.0	50.0	9.9	20.0
2-Methylnaphthalene	Ave	1.415	1.677		59.2	50.0	18.5	20.0
Dibromofluoromethane (Surr)	Ave	0.2356	0.2308		49.0	50.0	-2.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3699	0.3595		48.6	50.0	-2.8	20.0
Toluene-d8 (Surr)	Ave	1.400	1.392		49.7	50.0	-0.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5319	0.5376		50.5	50.0	1.1	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X32.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Mar-2024 20:31:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109409-003
Misc. Info.: CCVIS
Operator ID: MEC29284 Instrument ID: 15648
Sublist: chrom-MSVoa_15648*sub76

Method: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 22-Mar-2024 21:40:09 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1616

First Level Reviewer: K4WN Date: 22-Mar-2024 21:18:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.098	1.098	0.000	99	413056	50.0	45.3	M
4 Chloromethane	50	1.214	1.214	0.000	99	434776	50.0	50.8	M
5 Butadiene	39	1.256	1.256	0.000	96	518357	50.0	53.9	
6 Vinyl chloride	62	1.275	1.275	0.000	98	381291	50.0	48.0	
8 Bromomethane	94	1.445	1.445	0.000	92	238147	50.0	48.4	
9 Chloroethane	64	1.470	1.470	0.000	99	217086	50.0	46.7	
10 Dichlorofluoromethane	67	1.585	1.585	0.000	98	581150	50.0	46.5	
11 Pentane	43	1.634	1.634	0.000	96	501376	50.0	50.0	
12 Trichlorofluoromethane	101	1.653	1.653	0.000	98	456397	50.0	46.1	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	1.768	1.768	0.000	96	329863	50.0	45.5	
16 Acrolein	56	1.835	1.835	0.000	98	636251	500.0	414.8	
17 1,1-Dichloroethene	96	1.915	1.915	0.000	94	213644	50.0	50.1	
18 Acetone	58	1.927	1.927	0.000	98	71836	100.0	109.5	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.951	1.951	0.000	95	246486	50.0	50.5	
20 Isopropyl alcohol	45	2.012	2.012	0.000	44	122210	250.0	260.4	
21 Iodomethane	142	2.024	2.024	0.000	99	373106	50.0	48.6	
22 Carbon disulfide	76	2.079	2.079	0.000	100	622246	50.0	49.0	
25 3-Chloro-1-propene	41	2.159	2.159	0.000	87	483878	50.0	49.5	
26 Methyl acetate	43	2.159	2.159	0.000	99	287090	50.0	52.2	
27 Methylene Chloride	84	2.250	2.250	0.000	98	239304	50.0	48.6	
* 28 t-Butyl alcohol-d10 (IS)	65	2.256	2.256	0.000	99	183256	250.0	250.0	
29 2-Methyl-2-propanol	59	2.323	2.323	0.000	99	209095	250.0	254.0	
30 Acrylonitrile	53	2.427	2.427	0.000	98	344970	125.0	123.1	
32 trans-1,2-Dichloroethene	96	2.469	2.469	0.000	93	238664	50.0	49.9	
31 Methyl tert-butyl ether	73	2.476	2.476	0.000	98	890196	50.0	51.2	
33 Hexane	57	2.701	2.701	0.000	95	414960	50.0	49.8	
34 1,1-Dichloroethane	63	2.823	2.823	0.000	97	501788	50.0	48.7	
36 Isopropyl ether	45	2.896	2.896	0.000	93	954243	50.0	50.3	
37 2-Chloro-1,3-butadiene	53	2.908	2.908	0.000	95	500812	50.0	49.4	
38 Tert-butyl ethyl ether	59	3.231	3.231	0.000	98	929714	50.0	51.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 cis-1,2-Dichloroethene	96	3.347	3.347	0.000	86	266505	50.0	49.2	
39 2-Butanone (MEK)	43	3.353	3.353	0.000	99	396193	100.0	97.2	
41 2,2-Dichloropropane	77	3.366	3.366	0.000	91	469857	50.0	49.3	
42 Propionitrile	54	3.402	3.402	0.000	96	283869	250.0	258.5	
186 Methyl acrylate	55	3.451	3.451	0.000	99	377762	50.0	52.6	
44 Methacrylonitrile	67	3.548	3.548	0.000	94	366516	125.0	124.3	
45 Chlorobromomethane	128	3.561	3.561	0.000	93	124030	50.0	51.0	
46 Tetrahydrofuran	71	3.603	3.603	0.000	94	232632	250.0	258.9	
47 Chloroform	83	3.646	3.646	0.000	96	481180	50.0	49.8	
$ 48 Dibromofluoromethane (Surr)	113	3.792	3.792	0.000	92	216083	50.0	49.0	
49 1,1,1-Trichloroethane	97	3.823	3.823	0.000	97	433966	50.0	49.6	
51 Cyclohexane	56	3.884	3.884	0.000	96	516542	50.0	48.3	
52 1,1-Dichloropropene	75	3.975	3.975	0.000	90	386536	50.0	49.0	
53 Carbon tetrachloride	117	3.987	3.987	0.000	97	368961	50.0	49.3	
54 Isobutyl alcohol	41	4.109	4.109	0.000	93	186571	625.0	667.3	
$ 55 1,2-Dichloroethane-d4 (Surr)	65	4.115	4.115	0.000	98	336577	50.0	48.6	
56 Benzene	78	4.170	4.170	0.000	98	1090332	50.0	50.5	
57 1,2-Dichloroethane	62	4.183	4.183	0.000	98	429651	50.0	49.4	
59 Tert-amyl methyl ether	73	4.304	4.304	0.000	97	863079	50.0	50.9	
* 60 Fluorobenzene (IS)	96	4.451	4.451	0.000	97	936265	50.0	50.0	
61 n-Heptane	43	4.469	4.469	0.000	92	425249	50.0	49.6	
62 n-Butanol	56	4.774	4.774	0.000	94	131382	625.0	627.4	
63 Trichloroethene	95	4.817	4.817	0.000	97	276498	50.0	49.8	
195 Ethyl acrylate	55	4.951	4.951	0.000	99	451031	50.0	50.2	
64 Methylcyclohexane	83	5.018	5.018	0.000	94	482334	50.0	50.4	
65 1,2-Dichloropropane	63	5.036	5.036	0.000	92	296533	50.0	50.8	
66 2-ethoxy-2-methyl butane	87	5.109	5.109	0.000	91	447475	50.0	50.5	
67 Dibromomethane	93	5.152	5.152	0.000	96	171200	50.0	49.5	
68 1,4-Dioxane	88	5.182	5.182	0.000	28	32744	625.0	737.8	Ma
69 Methyl methacrylate	69	5.188	5.188	0.000	92	252430	50.0	50.6	
71 Dichlorobromomethane	83	5.329	5.329	0.000	98	355031	50.0	50.1	
72 2-Nitropropane	41	5.560	5.560	0.000	99	715648	250.0	259.3	
73 2-Chloroethyl vinyl ether	63	5.664	5.664	0.000	94	212243	50.0	51.1	
74 cis-1,3-Dichloropropene	75	5.804	5.804	0.000	90	467727	50.0	50.6	
75 4-Methyl-2-pentanone (MIBK)	43	5.981	5.981	0.000	99	851492	100.0	101.5	
$ 77 Toluene-d8 (Surr)	98	6.091	6.091	0.000	95	966984	50.0	49.7	
78 Toluene	92	6.158	6.158	0.000	97	693003	50.0	50.1	
79 trans-1,3-Dichloropropene	75	6.408	6.408	0.000	99	447914	50.0	51.4	
81 Ethyl methacrylate	69	6.548	6.548	0.000	92	460912	50.0	51.6	
82 1,1,2-Trichloroethane	97	6.597	6.597	0.000	93	242026	50.0	51.4	
83 Tetrachloroethene	166	6.749	6.749	0.000	94	277858	50.0	49.2	
84 1,3-Dichloropropane	76	6.773	6.773	0.000	97	445003	50.0	51.1	
86 2-Hexanone	43	6.901	6.901	0.000	98	613733	100.0	99.1	
87 Chlorodibromomethane	129	7.023	7.023	0.000	91	262078	50.0	50.1	
89 Ethylene Dibromide	107	7.127	7.127	0.000	98	254534	50.0	51.3	
* 90 Chlorobenzene-d5 (IS)	117	7.627	7.627	0.000	89	694552	50.0	50.0	
91 Chlorobenzene	112	7.657	7.657	0.000	92	739634	50.0	51.0	
92 1-Chlorohexane	91	7.670	7.670	0.000	90	371454	50.0	49.4	
94 1,1,1,2-Tetrachloroethane	131	7.749	7.749	0.000	94	257929	50.0	51.1	
95 Ethylbenzene	91	7.779	7.779	0.000	99	1366519	50.0	50.3	
96 m-Xylene & p-Xylene	106	7.901	7.901	0.000	100	1040761	100.0	101.8	
97 o-Xylene	106	8.255	8.255	0.000	98	510714	50.0	50.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
274 n-Butyl acrylate	55	8.261	8.261	0.000	96	686975	50.0	50.6	
98 Styrene	104	8.267	8.267	0.000	92	843052	50.0	50.8	
99 Bromoform	173	8.407	8.407	0.000	95	189425	50.0	48.9	
100 Isopropylbenzene	105	8.578	8.578	0.000	97	1259697	50.0	50.7	
$ 103 4-Bromofluorobenzene (Surr)	95	8.694	8.694	0.000	86	373383	50.0	50.5	
104 Bromobenzene	156	8.804	8.804	0.000	98	302189	50.0	50.7	
105 1,1,2,2-Tetrachloroethane	83	8.822	8.822	0.000	94	392021	50.0	51.7	
106 1,2,3-Trichloropropane	110	8.846	8.846	0.000	87	119023	50.0	51.8	
107 trans-1,4-Dichloro-2-butene	53	8.871	8.871	0.000	94	341718	125.0	109.5	
108 N-Propylbenzene	91	8.913	8.913	0.000	99	1562197	50.0	51.8	
109 2-Chlorotoluene	126	8.968	8.968	0.000	95	299787	50.0	51.1	
111 4-Chlorotoluene	126	9.060	9.060	0.000	99	308693	50.0	51.0	
110 1,3,5-Trimethylbenzene	105	9.060	9.060	0.000	94	1112806	50.0	51.9	
113 tert-Butylbenzene	134	9.310	9.310	0.000	94	225838	50.0	52.4	
115 1,2,4-Trimethylbenzene	105	9.346	9.346	0.000	98	1126009	50.0	51.9	
116 sec-Butylbenzene	105	9.474	9.474	0.000	95	1370709	50.0	53.0	
117 1,3-Dichlorobenzene	146	9.541	9.541	0.000	97	571310	50.0	51.3	
118 4-Isopropyltoluene	119	9.584	9.584	0.000	97	1184224	50.0	52.3	
* 119 1,4-Dichlorobenzene-d4	152	9.590	9.590	0.000	94	387212	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.608	9.608	0.000	93	582332	50.0	51.4	
121 1,2,3-Trimethylbenzene	105	9.651	9.651	0.000	99	1134281	50.0	51.6	
122 Benzyl chloride	91	9.706	9.706	0.000	99	894097	50.0	54.2	
123 1,3-Diethylbenzene	119	9.803	9.803	0.000	95	675970	50.0	52.4	
124 p-Diethylbenzene	119	9.864	9.864	0.000	92	700571	50.0	52.4	
125 1,2-Dichlorobenzene	146	9.870	9.870	0.000	95	557350	50.0	51.8	
126 n-Butylbenzene	92	9.877	9.877	0.000	98	580686	50.0	52.7	
162 o-diethylbenzene	119	9.944	9.944	0.000	97	568757	50.0	52.6	
164 1,2-Dibromo-3-Chloropropane	75	10.413	10.413	0.000	78	103380	50.0	51.7	
165 1,3,5-Trichlorobenzene	180	10.565	10.565	0.000	96	391939	50.0	52.5	
166 1,2,4-Trichlorobenzene	180	10.974	10.974	0.000	94	376263	50.0	54.5	
167 Hexachlorobutadiene	225	11.090	11.090	0.000	96	156723	50.0	51.8	
271 2-Ethylhexyl acrylate	55	11.114	11.114	0.000	84	390781	50.0	50.6	
168 Naphthalene	128	11.126	11.126	0.000	98	1291552	50.0	55.0	
170 1,2,3-Trichlorobenzene	180	11.285	11.285	0.000	94	357298	50.0	55.0	
171 2-Methylnaphthalene	142	11.852	11.852	0.000	92	649192	50.0	59.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00175	Amount Added:	5.00	Units: uL	
MSV_CCV_2CEVE_00167	Amount Added:	5.00	Units: uL	
MSV_CCV_VOC#3_00171	Amount Added:	4.00	Units: uL	
MSV_CCV_GASES_00723	Amount Added:	2.50	Units: uL	
MSV_CCV_OH_Sp_00009	Amount Added:	5.00	Units: uL	
MSV_Cent_ISSS_00023	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Mar-2024 21:40:10 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X32.D

Injection Date: 22-Mar-2024 20:31:30 Instrument ID: 15648 Operator ID: MEC29284

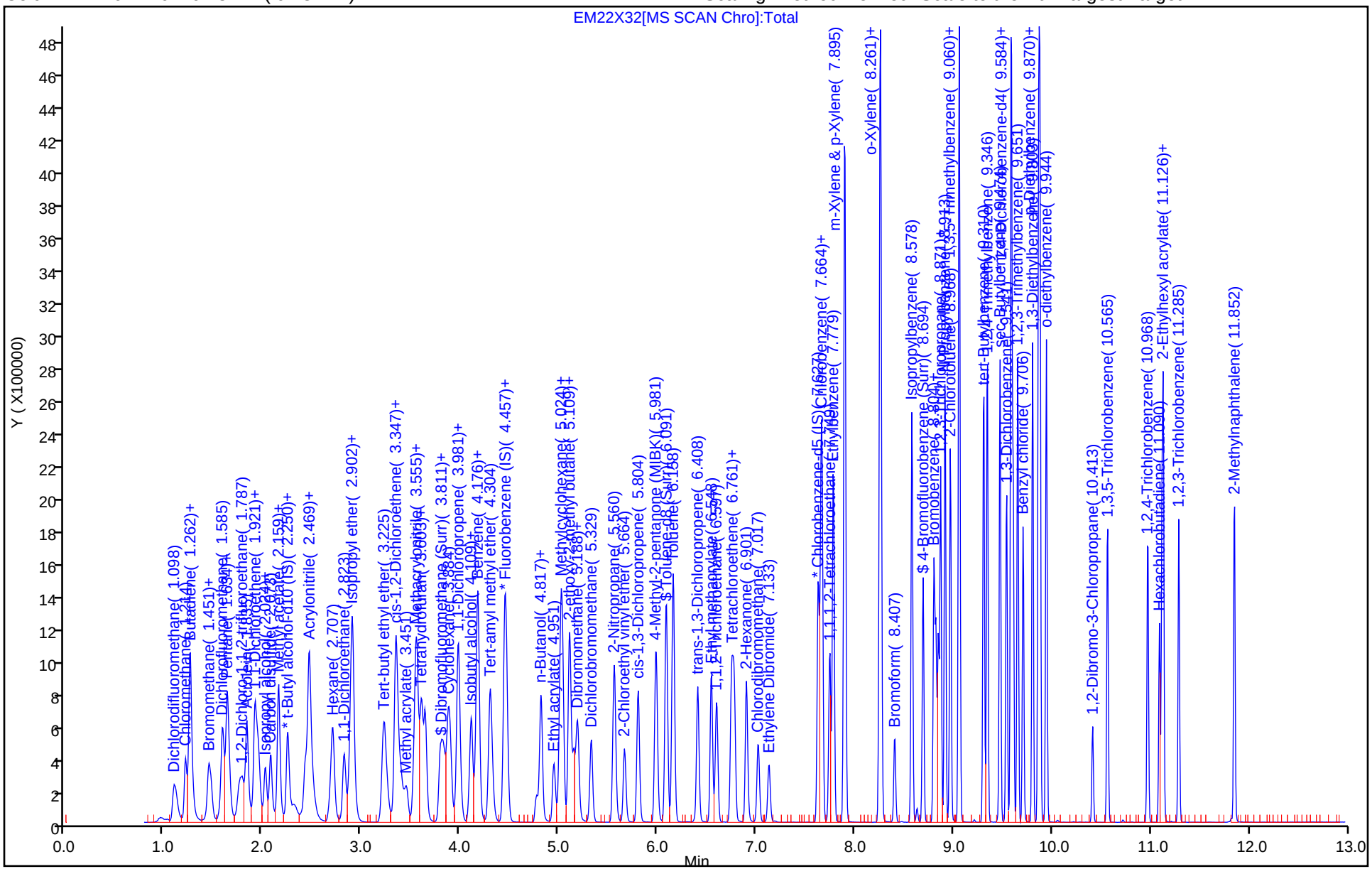
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSVoa_15648 Limit Group: MSV - 8260C_D

Column: DB-624 20m 0.18mm (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

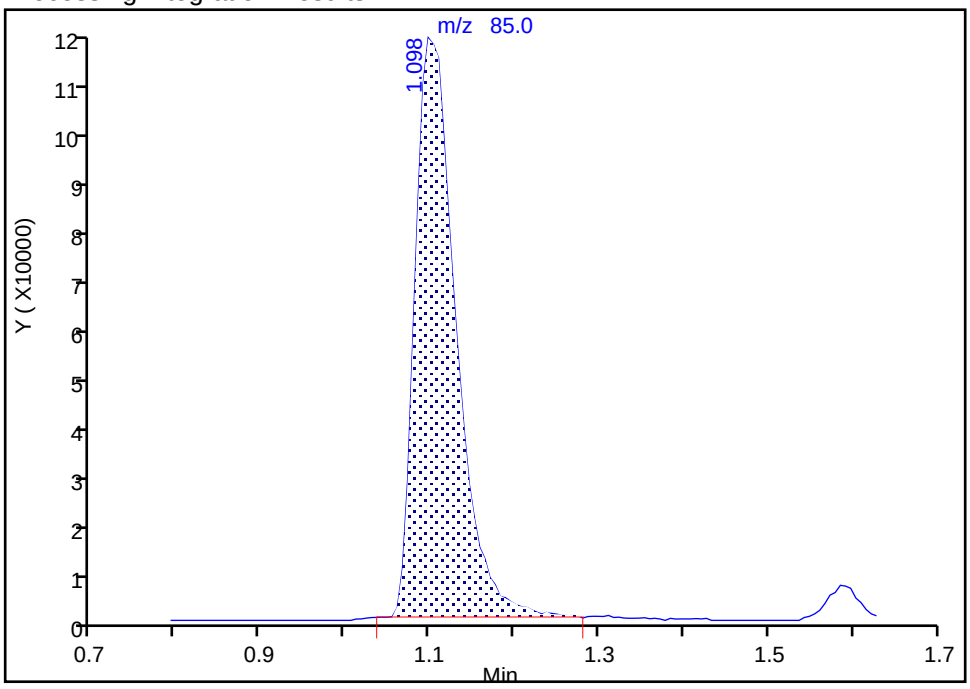
Data File:	\\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X32.D				
Injection Date:	22-Mar-2024 20:31:30	Instrument ID:	15648		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

2 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

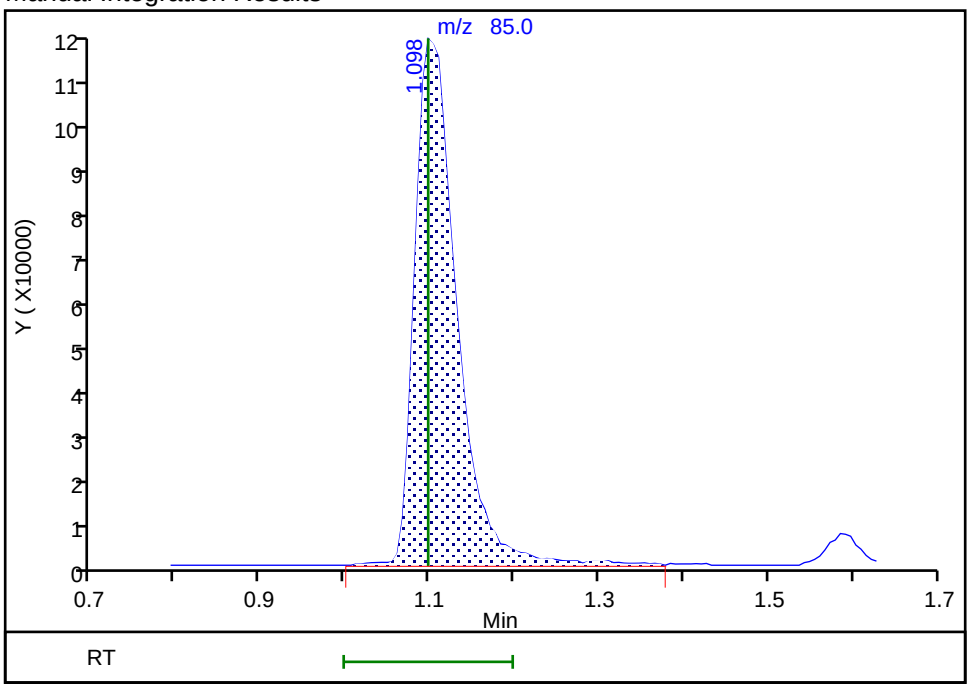
Processing Integration Results

RT: 1.10
Area: 401932
Amount: 44.088713
Amount Units: ug/l



Manual Integration Results

RT: 1.10
Area: 413056
Amount: 45.308927
Amount Units: ug/l



Reviewer: K4WN, 22-Mar-2024 21:10:31 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

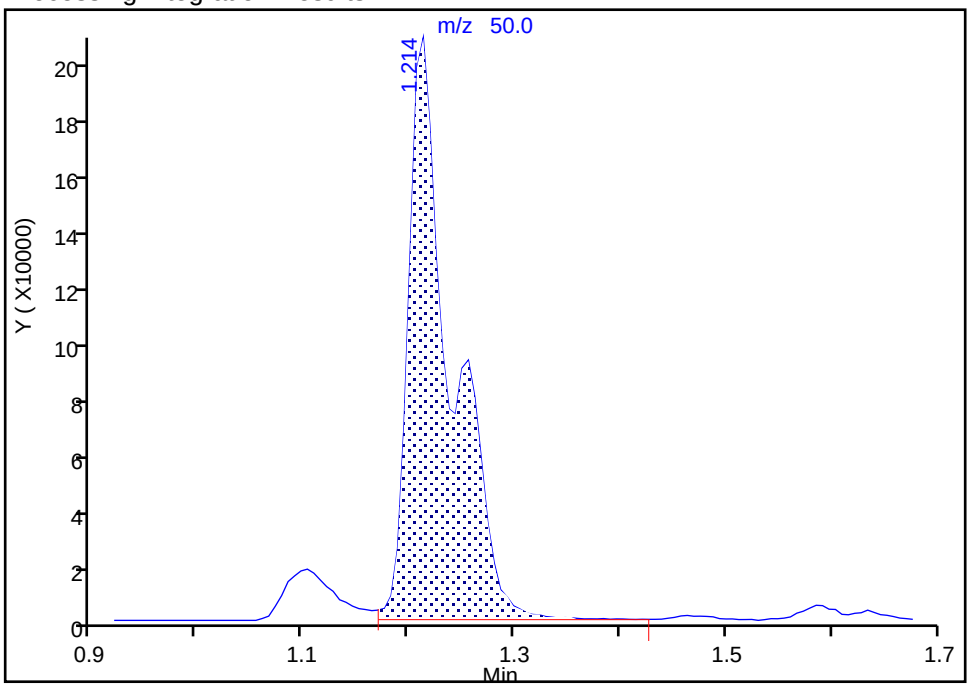
Data File:	\\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X32.D				
Injection Date:	22-Mar-2024 20:31:30	Instrument ID:	15648		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

4 Chloromethane, CAS: 74-87-3

Signal: 1

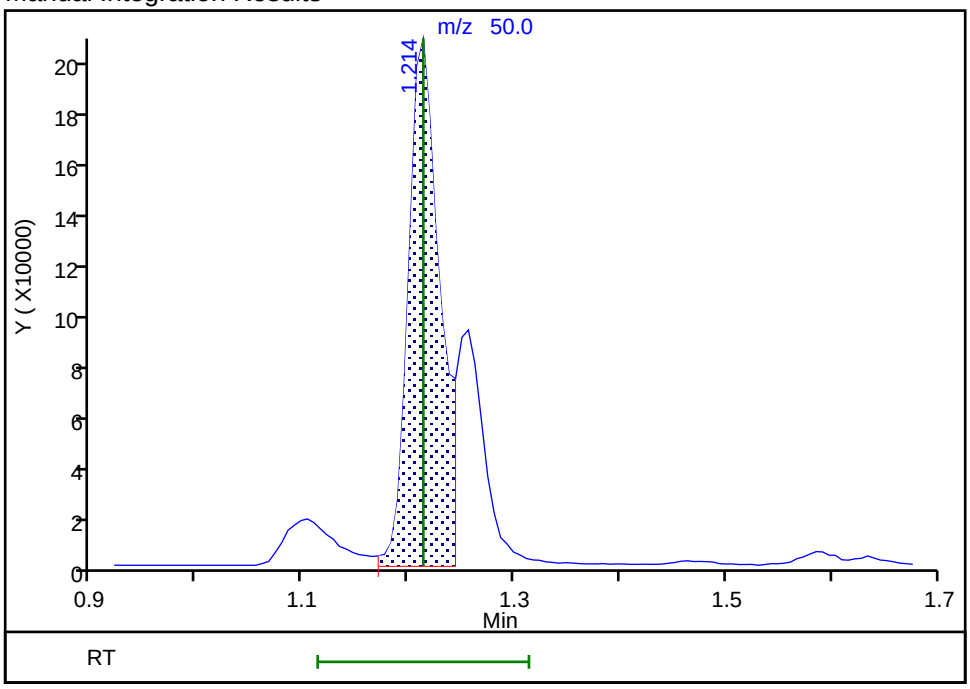
Processing Integration Results

RT: 1.21
Area: 587413
Amount: 68.698035
Amount Units: ug/l



Manual Integration Results

RT: 1.21
Area: 434776
Amount: 50.847116
Amount Units: ug/l



Reviewer: K4WN, 22-Mar-2024 21:10:37 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

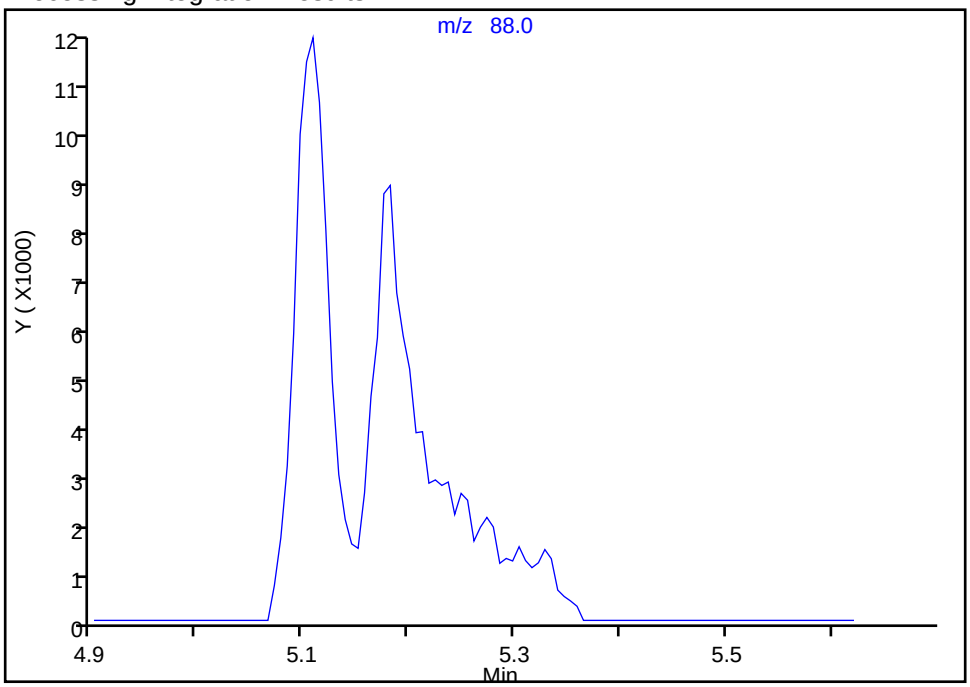
Data File:	\\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X32.D				
Injection Date:	22-Mar-2024 20:31:30	Instrument ID:	15648		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

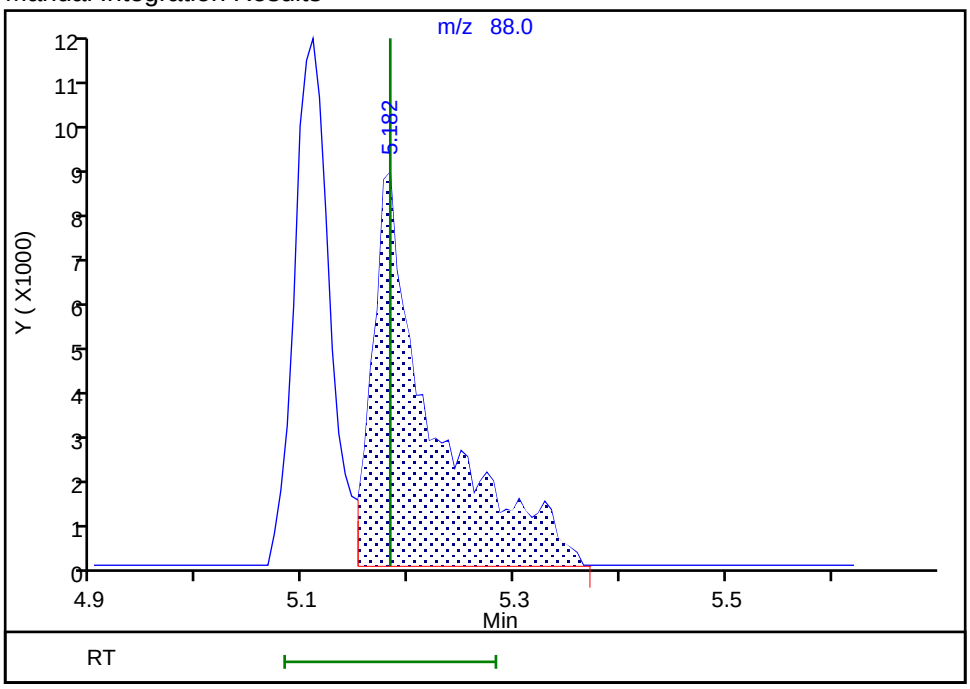
Not Detected
Expected RT: 5.18

Processing Integration Results



Manual Integration Results

RT: 5.18
Area: 32744
Amount: 737.7943
Amount Units: ug/l



Reviewer: K4WN, 22-Mar-2024 21:11:08 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EM18T01.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 18-Mar-2024 11:40:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-00108929-001
Misc. Info.: BFB
Operator ID: jml01693 Instrument ID: 15648

Method: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 18-Mar-2024 19:30:13 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: UJML Date: 18-Mar-2024 11:51:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 50 BFB	95	3.879	3.879	0.000	0	1146707	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

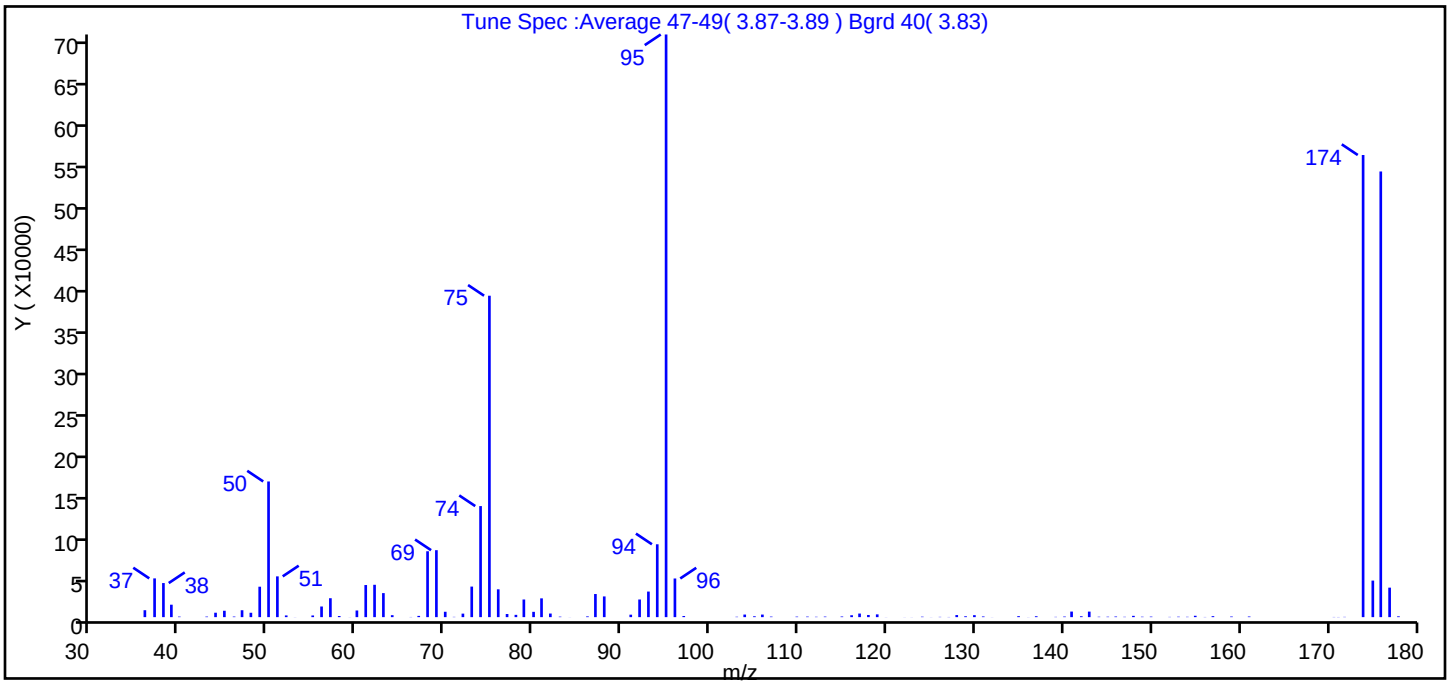
MSV_V_BFB_00016 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EM18T01.D
Injection Date: 18-Mar-2024 11:40:30 Instrument ID: 15648
Lims ID: bfb
Client ID:
Operator ID: jml01693 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSVoa_15648 Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 50 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	23.3
75	30 to 60% of m/z 95	55.2
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	79.3
175	5 to 9% of m/z 174	6.3 (7.9)
176	Greater than 95% but less than 101% of m/z 174	76.5 (96.4)
177	5 to 9% of m/z 176	5.1 (6.6)

Data File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EM18T01.D\MSVoa_15648.rslt\spectra.d
Injection Date: 18-Mar-2024 11:40:30
Spectrum: Tune Spec :Average 47-49(3.87-3.89) Bgrd 40(3.83)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 112

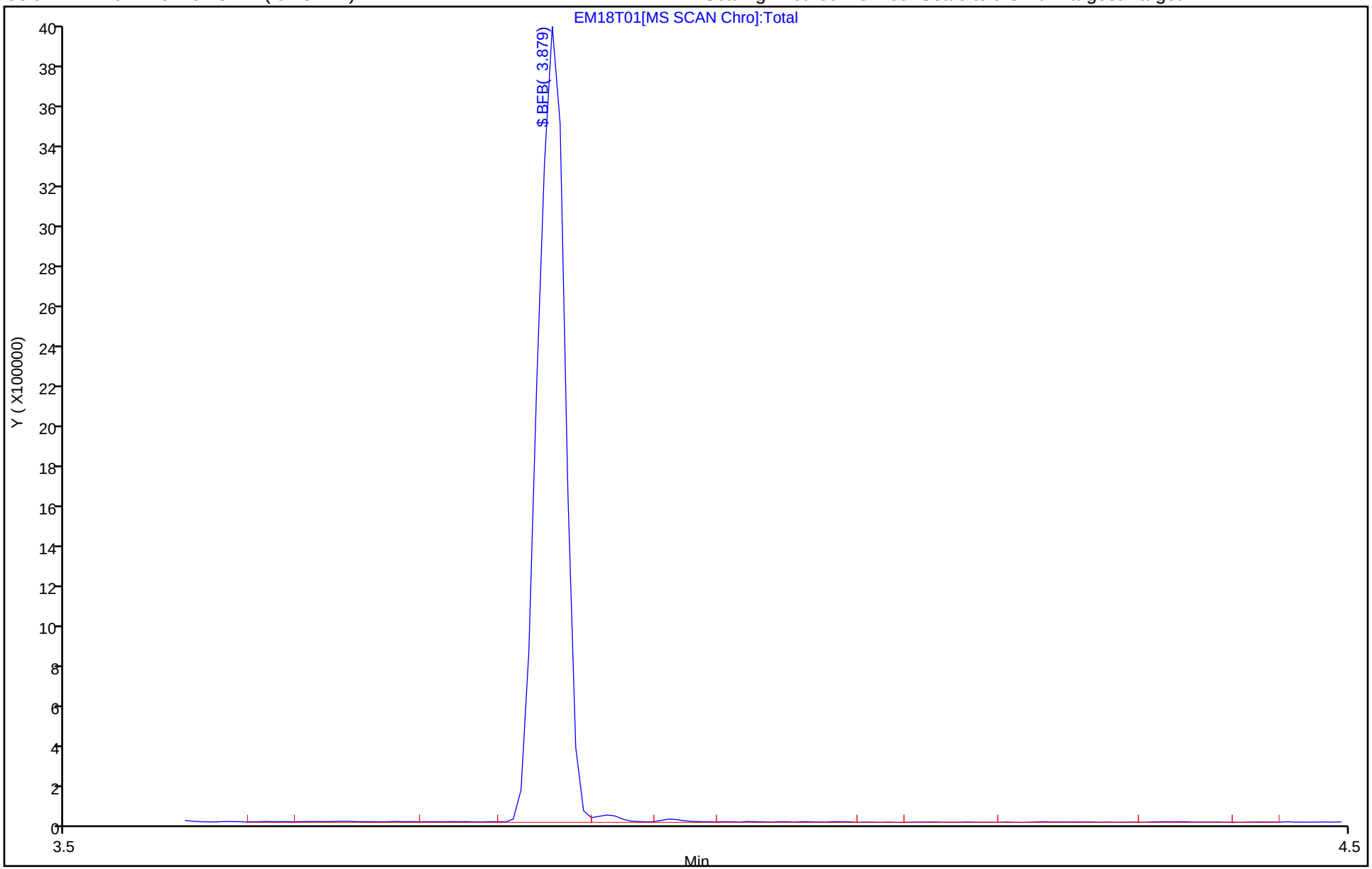
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	8381	68.00	79664	104.00	3128	139.00	339
37.00	46856	69.00	80952	105.00	1038	140.00	696
38.00	41208	70.00	6504	106.00	3121	141.00	6741
39.00	15048	71.00	329	107.00	656	142.00	1044
40.00	647	72.00	4259	110.00	632	143.00	6696
43.00	667	73.00	36944	111.00	653	144.00	497
44.00	5345	74.00	134272	112.00	444	145.00	528
45.00	7718	75.00	388608	113.00	663	146.00	756
46.00	691	76.00	33640	115.00	773	147.00	396
47.00	8357	77.00	3784	116.00	2295	148.00	1568
48.00	5299	78.00	2771	117.00	4345	149.00	510
49.00	36800	79.00	21336	118.00	2614	150.00	638
50.00	164032	80.00	6425	119.00	3347	152.00	302
51.00	49304	81.00	22720	120.00	92	153.00	539
52.00	2067	82.00	4356	122.00	88	154.00	411
53.00	104	83.00	578	123.00	88	155.00	1657
55.00	2020	84.00	86	124.00	546	156.00	218
56.00	12869	86.00	899	125.00	91	157.00	1169
57.00	22880	87.00	27952	126.00	327	159.00	734
58.00	1329	88.00	25048	127.00	211	161.00	775
59.00	99	91.00	2983	128.00	2506	171.00	221
60.00	8037	92.00	21344	129.00	1045	171.00	195
61.00	38824	93.00	30928	130.00	2389	172.00	320
62.00	39120	94.00	88096	131.00	817	174.00	558720
63.00	29056	95.00	704448	132.00	89	175.00	44200
64.00	2381	96.00	46736	135.00	1170	176.00	538816
66.00	205	97.00	1332	136.00	104	177.00	35664
67.00	1514	103.00	463	137.00	1084	178.00	966

Report Date: 18-Mar-2024 19:30:13 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EM18T01.D				
Injection Date:	18-Mar-2024 11:40:30	Instrument ID:	15648	Operator ID:	jml01693
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		

Column: DB-624 20m 0.18mm (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22T31.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 22-Mar-2024 19:59:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: BFB
Operator ID: MEC29284 Instrument ID: 15648

Method: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 22-Mar-2024 21:40:40 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1616

First Level Reviewer: K4WN Date: 22-Mar-2024 20:08:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 50 BFB	95	3.879	3.879	0.000	0	1295789	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

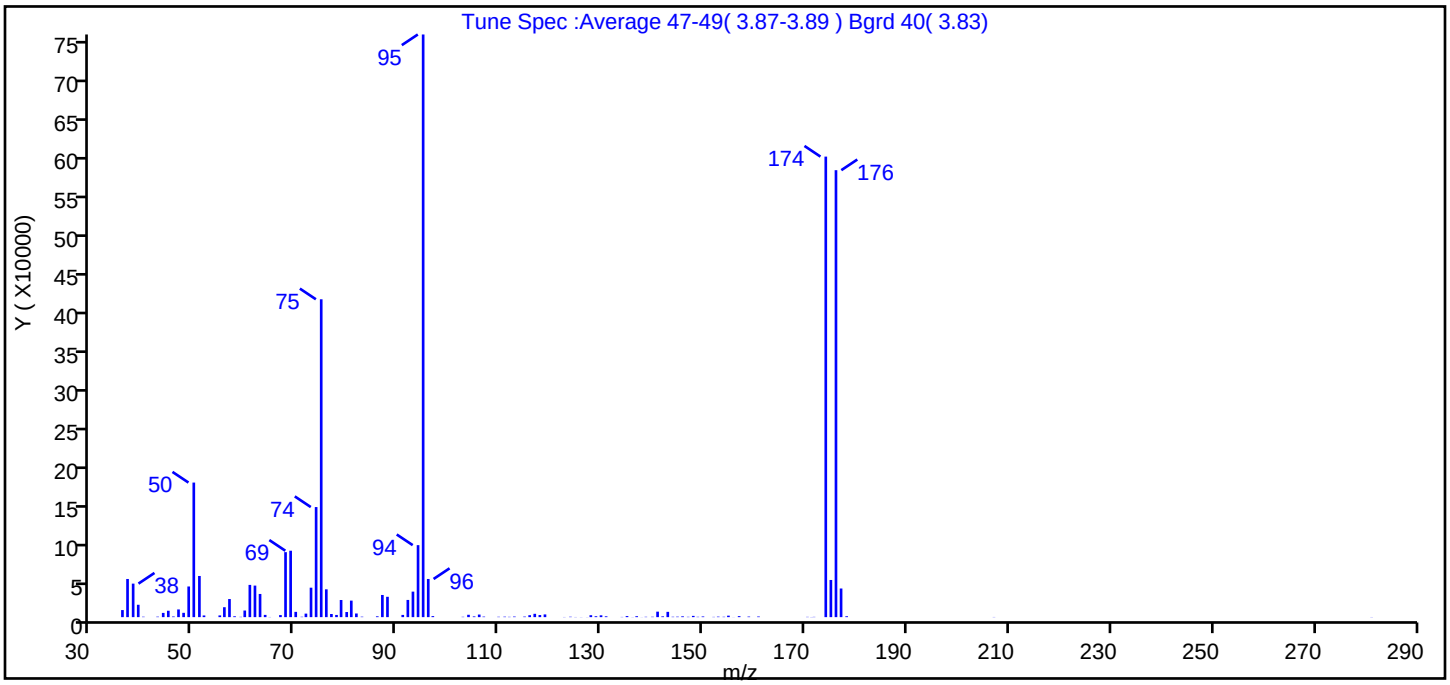
MSV_V_BFB_00016 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22T31.D
Injection Date: 22-Mar-2024 19:59:30 Instrument ID: 15648
Lims ID: BFB
Client ID:
Operator ID: MEC29284 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSVoa_15648 Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 50 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	23.1
75	30 to 60% of m/z 95	54.6
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	79.0
175	5 to 9% of m/z 174	6.4 (8.1)
176	Greater than 95% but less than 101% of m/z 174	76.7 (97.1)
177	5 to 9% of m/z 176	4.9 (6.4)

Data File: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22T31.D\MSVoa_15648.rslt\spectra.d
Injection Date: 22-Mar-2024 19:59:30
Spectrum: Tune Spec :Average 47-49(3.87-3.89) Bgrd 40(3.83)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 111

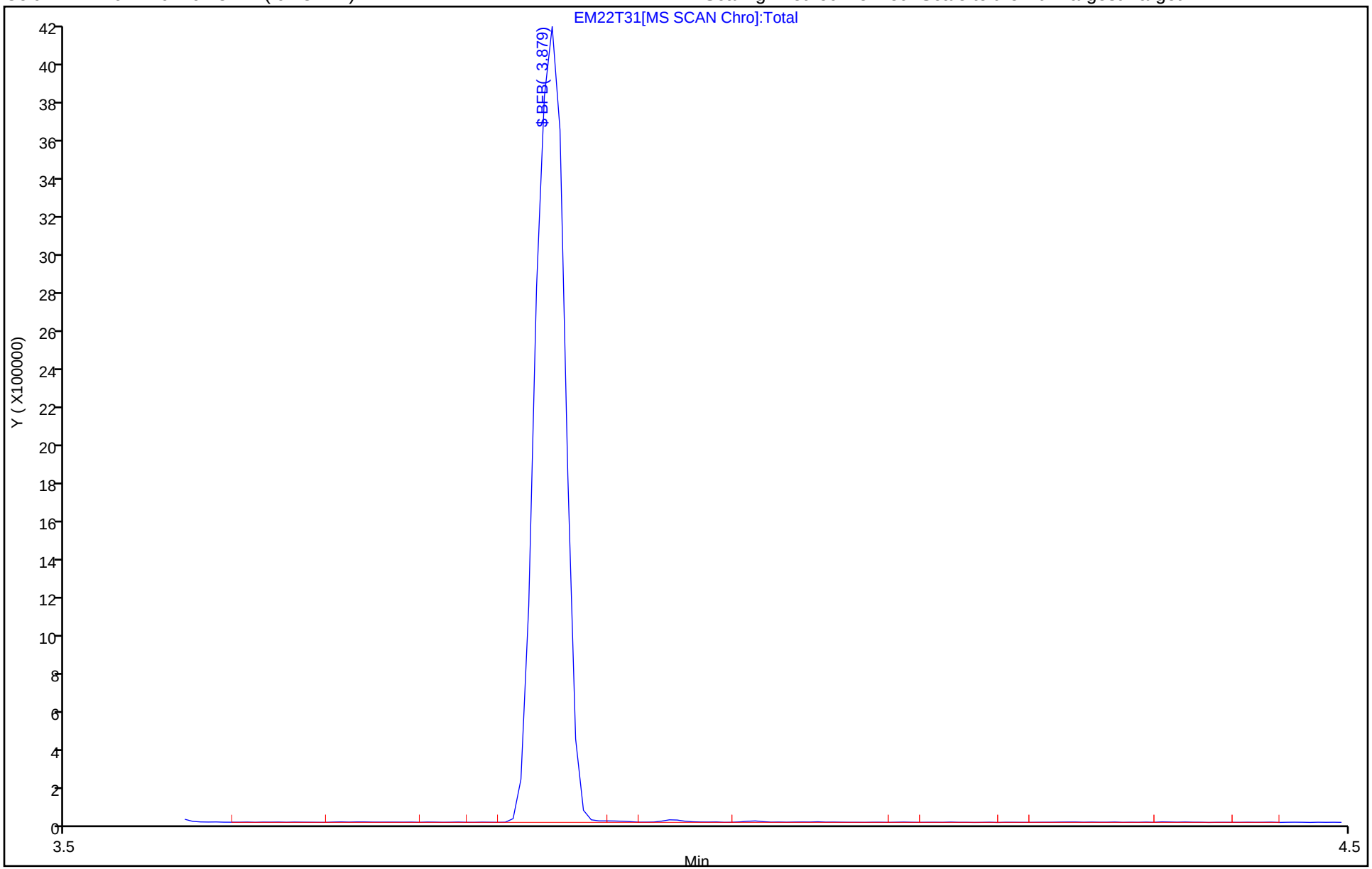
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	9177	69.00	86104	106.00	3361	142.00	1002
37.00	49472	70.00	6846	107.00	697	143.00	6871
38.00	43464	71.00	491	110.00	479	144.00	507
39.00	16039	72.00	4573	111.00	608	145.00	620
40.00	542	73.00	38192	112.00	407	146.00	1040
43.00	616	74.00	142720	113.00	750	147.00	434
44.00	5506	75.00	412096	115.00	719	148.00	1623
45.00	8283	76.00	36072	116.00	2523	149.00	436
46.00	829	77.00	4077	117.00	4318	150.00	868
47.00	9981	78.00	2849	118.00	2721	152.00	329
48.00	5597	79.00	22232	119.00	3537	153.00	658
49.00	39752	80.00	6631	123.00	209	154.00	478
50.00	174464	81.00	21432	124.00	522	155.00	1931
51.00	53368	82.00	4737	125.00	212	156.00	99
52.00	2181	83.00	588	126.00	143	157.00	1298
55.00	2233	86.00	1076	127.00	117	159.00	749
56.00	12868	87.00	28744	128.00	2499	161.00	817
57.00	23472	88.00	26384	129.00	1159	170.00	357
58.00	1113	91.00	2884	130.00	2367	171.00	194
59.00	385	92.00	22304	131.00	1060	172.00	346
60.00	8581	93.00	33088	134.00	274	174.00	597056
61.00	41800	94.00	93336	135.00	1389	175.00	48192
62.00	40896	95.00	755392	136.00	135	176.00	579456
63.00	30056	96.00	49472	137.00	1226	177.00	37136
64.00	2924	97.00	1332	138.00	96	178.00	1147
65.00	215	103.00	437	139.00	455	207.00	217
67.00	2651	104.00	3075	140.00	516	281.00	196
68.00	84248	105.00	937	141.00	7114		

Report Date: 22-Mar-2024 21:40:40 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22T31.D				
Injection Date:	22-Mar-2024 19:59:30	Instrument ID:	15648	Operator ID:	MEC29284
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		

Column: DB-624 20m 0.18mm (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164755-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-486390/7

Matrix: Water
Lab File ID: EM22X36.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 03/22/2024 21:50

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: DB-624 20m ID: 0.18(mm)

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

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

Analysis Batch No.: 486390
Units: ug/L

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	Ethylene Dibromide	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
108-88-3	Toluene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164755-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-486390/7

Matrix: Water
Lab File ID: EM22X36.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 03/22/2024 21:50

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: DB-624 20m ID: 0.18(mm)

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

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

Analysis Batch No.: 486390
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X36.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 22-Mar-2024 21:50:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109409-007
Misc. Info.: MB
Operator ID: MEC29284 Instrument ID: 15648

Method: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 22-Mar-2024 22:27:25 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1616

First Level Reviewer: K4WN Date: 22-Mar-2024 22:27:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		1.086					ND	
2 Dichlorodifluoromethane	85		1.098					ND	
3 Chlorodifluoromethane	51		1.116					ND	
4 Chloromethane	50		1.214					ND	
5 Butadiene	39		1.256					ND	7
6 Vinyl chloride	62		1.275					ND	
7 2-Chloro-1,1,1-Trifluoroethane	118		1.299					ND	
8 Bromomethane	94		1.445					ND	
9 Chloroethane	64		1.470					ND	
10 Dichlorofluoromethane	67		1.585					ND	
11 Pentane	43		1.634					ND	7
12 Trichlorofluoromethane	101		1.653					ND	
13 Ethanol	45		1.695					ND	
14 Ethyl ether	59		1.768					ND	
15 1,2-Dichloro-1,1,2-trifluoroetha	67		1.768					ND	
16 Acrolein	56		1.835					ND	7
17 1,1-Dichloroethene	96		1.915					ND	
18 Acetone	58		1.927					ND	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.951					ND	
20 Isopropyl alcohol	45		2.012					ND	
21 Iodomethane	142		2.024					ND	
22 Carbon disulfide	76		2.079					ND	
24 Acetonitrile	41		2.140					ND	
25 3-Chloro-1-propene	41		2.159					ND	7
26 Methyl acetate	43		2.159					ND	7
27 Methylene Chloride	84		2.250					ND	
* 28 t-Butyl alcohol-d10 (IS)	65	2.262	2.256	0.006	33	191244	250.0	250.0	
29 2-Methyl-2-propanol	59		2.323					ND	
30 Acrylonitrile	53		2.427					ND	
32 trans-1,2-Dichloroethene	96		2.469					ND	
31 Methyl tert-butyl ether	73		2.476					ND	

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
	33 Hexane	57		2.701					ND	
	34 1,1-Dichloroethane	63		2.823					ND	
	35 Vinyl acetate	43		2.884					ND	7
	36 Isopropyl ether	45		2.896					ND	
	37 2-Chloro-1,3-butadiene	53		2.908					ND	
	38 Tert-butyl ethyl ether	59		3.231					ND	
	40 cis-1,2-Dichloroethene	96		3.347					ND	
	39 2-Butanone (MEK)	43		3.353					ND	
	41 2,2-Dichloropropane	77		3.366					ND	
	42 Propionitrile	54		3.402					ND	
	43 Ethyl acetate	43		3.433					ND	
	186 Methyl acrylate	55		3.451					ND	
	44 Methacrylonitrile	67		3.548					ND	
	45 Chlorobromomethane	128		3.561					ND	
	46 Tetrahydrofuran	71		3.603					ND	
	47 Chloroform	83		3.646					ND	
$	48 Dibromofluoromethane (Surr)	113	3.792	3.792	0.000	92	225292	50.0	49.3	
	49 1,1,1-Trichloroethane	97		3.823					ND	
	51 Cyclohexane	56		3.884					ND	
	52 1,1-Dichloropropene	75		3.975					ND	
	53 Carbon tetrachloride	117		3.987					ND	
	54 Isobutyl alcohol	41		4.109					ND	
$	55 1,2-Dichloroethane-d4 (Surr)	65	4.109	4.115	-0.006	77	350652	50.0	48.9	
	56 Benzene	78		4.170					ND	
	57 1,2-Dichloroethane	62		4.183					ND	
	58 Isopropyl acetate	43		4.292					ND	
	59 Tert-amyl methyl ether	73		4.304					ND	
*	60 Fluorobenzene (IS)	96	4.451	4.451	0.000	98	969284	50.0	50.0	
	61 n-Heptane	43		4.469					ND	7
	62 n-Butanol	56		4.774					ND	
	63 Trichloroethene	95		4.817					ND	
	195 Ethyl acrylate	55		4.951					ND	
	64 Methylcyclohexane	83		5.018					ND	
	65 1,2-Dichloropropane	63		5.036					ND	
	66 2-ethoxy-2-methyl butane	87		5.109					ND	
	67 Dibromomethane	93		5.152					ND	
	68 1,4-Dioxane	88		5.182					ND	
	69 Methyl methacrylate	69		5.188					ND	
	70 n-Propyl acetate	61		5.280					ND	
	71 Dichlorobromomethane	83		5.329					ND	
	72 2-Nitropropane	41		5.560					ND	7
	73 2-Chloroethyl vinyl ether	63		5.664					ND	
	74 cis-1,3-Dichloropropene	75		5.804					ND	
	75 4-Methyl-2-pentanone (MIBK)	43		5.981					ND	
$	77 Toluene-d8 (Surr)	98	6.085	6.091	-0.006	95	1001235	50.0	50.1	
S	76 1,2-Dichloroethene, Total	100		6.155					ND	7
	78 Toluene	92		6.158					ND	
	79 trans-1,3-Dichloropropene	75		6.408					ND	
	81 Ethyl methacrylate	69		6.548					ND	
	82 1,1,2-Trichloroethane	97		6.597					ND	
	83 Tetrachloroethene	166		6.749					ND	
	84 1,3-Dichloropropane	76		6.773					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 3,4-Dichloro-1-butene	75		6.841					ND	
86 2-Hexanone	43		6.901					ND	7
87 Chlorodibromomethane	129		7.023					ND	
88 n-Butyl acetate	43		7.091					ND	
89 Ethylene Dibromide	107		7.127					ND	
* 90 Chlorobenzene-d5 (IS)	117	7.627	7.627	0.000	90	713203	50.0	50.0	
91 Chlorobenzene	112		7.657					ND	
92 1-Chlorohexane	91		7.670					ND	U
93 t-Amyl alcohol	73		7.741					ND	
94 1,1,1,2-Tetrachloroethane	131		7.749					ND	
95 Ethylbenzene	91		7.779					ND	
96 m-Xylene & p-Xylene	106		7.901					ND	
97 o-Xylene	106		8.255					ND	
274 n-Butyl acrylate	55		8.261					ND	
98 Styrene	104		8.267					ND	
99 Bromoform	173		8.407					ND	
100 Isopropylbenzene	105		8.578					ND	
101 Cyclohexanone	55		8.639					ND	7
102 cis-1,4-Dichloro-2-butene	88		8.639					ND	U
$ 103 4-Bromofluorobenzene (Surr)	95	8.694	8.694	0.000	87	373580	50.0	49.2	
104 Bromobenzene	156		8.804					ND	
105 1,1,2,2-Tetrachloroethane	83		8.822					ND	
106 1,2,3-Trichloropropane	110		8.846					ND	
107 trans-1,4-Dichloro-2-butene	53		8.871					ND	
108 N-Propylbenzene	91		8.913					ND	
109 2-Chlorotoluene	126		8.968					ND	
111 4-Chlorotoluene	126		9.060					ND	
110 1,3,5-Trimethylbenzene	105		9.060					ND	
112 2,3,4-Trichlorobutene	109		9.138					ND	
113 tert-Butylbenzene	134		9.310					ND	
114 Pentachloroethane	167		9.316					ND	
115 1,2,4-Trimethylbenzene	105		9.346					ND	
116 sec-Butylbenzene	105		9.474					ND	
117 1,3-Dichlorobenzene	146		9.541					ND	
118 4-Isopropyltoluene	119		9.584					ND	
* 119 1,4-Dichlorobenzene-d4	152	9.590	9.590	0.000	97	390714	50.0	50.0	
120 1,4-Dichlorobenzene	146		9.608					ND	
121 1,2,3-Trimethylbenzene	105		9.651					ND	
122 Benzyl chloride	91		9.706					ND	
123 1,3-Diethylbenzene	119		9.803					ND	
124 p-Diethylbenzene	119		9.864					ND	
125 1,2-Dichlorobenzene	146		9.870					ND	
126 n-Butylbenzene	92		9.877					ND	
162 o-diethylbenzene	119		9.944					ND	
S 163 1,3-Dichloropropene, Total	100		10.060					ND	7
164 1,2-Dibromo-3-Chloropropane	75		10.413					ND	
165 1,3,5-Trichlorobenzene	180		10.565					ND	
166 1,2,4-Trichlorobenzene	180		10.974					ND	
167 Hexachlorobutadiene	225		11.090					ND	
271 2-Ethylhexyl acrylate	55	11.120	11.114	0.006	1	315		0.0404	
168 Naphthalene	128		11.126					ND	7
S 169 Xylenes, Total	106		11.245					ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
170 1,2,3-Trichlorobenzene	180		11.285					ND	7
171 2-Methylnaphthalene	142		11.852					ND	7
172 Hexachloroethane	201		13.560					ND	
173 C4-C10	1		0.000					ND	
268 sec-Butyl Alcohol TIC	1		0.000					ND	
203 1,3-Divinylbenzene	1		0.000					ND	
204 n-Octane	1		0.000					ND	
205 Undecane	1		0.000					ND	
206 Ethyl bromide	1		0.000					ND	
207 Chloroacetonitrile	1		0.000					ND	
208 1-Chlorobutane	1		0.000					ND	
269 Dimethylformamide TIC	1		0.000					ND	
270 3-Pentanone TIC	1		0.000					ND	
272 2-Butoxyethyl acetate	1		0.000					ND	
273 Gasoline (Unleaded)	1		0.000					ND	
275 1-Methylnaphthalene	142		0.000					ND	
288 Cyclopentane TIC	1		0.000					ND	
277 1,1,1,2-Tetrafluoroethane TIC	1		0.000					ND	
278 2-ethoxy-2-methyl butane TIC	1		0.000					ND	
279 2,3-Dimethylbutane TIC	1		0.000					ND	
280 2,2-Dimethylbutane TIC	1		0.000					ND	
281 Methylcyclopentane TIC	1		0.000					ND	
282 Decamethylcyclopentasiloxane TIC	1		0.000					ND	
283 Dimethyl Sulfide TIC	1		0.000					ND	
284 2,2-Dimethylpropane TIC	1		0.000					ND	
285 2-Methylhexane TIC	1		0.000					ND	
286 1-Methylnaphthalene (TIC)	1		0.000					ND	
287 3-Methylpentane TIC	1		0.000					ND	
209 4-Ethyltoluene	1		0.000					ND	
$ 276 trans-1,2,3-Trichlorobutene-2 TI	1		0.000					ND	
202 cis-1,2,3-Trichlorobutene-2	1		0.000					ND	
S 199 divinyl benzene	1		0.000					ND	7
180 trans-1,2,3-Trichlorobutene-2	1		0.000					ND	
181 3-chloro-1-Butene	1		0.000					ND	
174 n-Nonane	1		0.000					ND	
175 C5-C12	1		0.000					ND	
176 Isobutyl acetate	43		0.000					ND	
177 1-Bromo-2-chloroethane	1		0.000					ND	
S 178 Total BTEX	1		0.000					ND	
179 Propanol	1		0.000					ND	
182 sec-Butyl Alcohol	45		0.000					ND	
189 Methylal	1		0.000					ND	
190 2,3-Dichloro-1,3-butadiene	1		0.000					ND	
185 tert-Butyl Formate	1		0.000					ND	
198 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
184 Dodecane	57		0.000					ND	
187 n-Decane	57		0.000					ND	
188 C6-C12	1		0.000					ND	
191 1,4-Divinylbenzene	1		0.000					ND	
192 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000					ND	
193 C4-C12	1		0.000					ND	
200 3-Methyl-1-butene	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
201 Propene oxide	1		0.000					ND	
S 194 Total Diethylbenzene	1		0.000					ND	7
196 Diethoxymethane	1		0.000					ND	
197 C6-C10	1		0.000					ND	
183 Butane	1		0.000					ND	
289 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_00023 Amount Added: 5.00 Units: uL Run Reagent

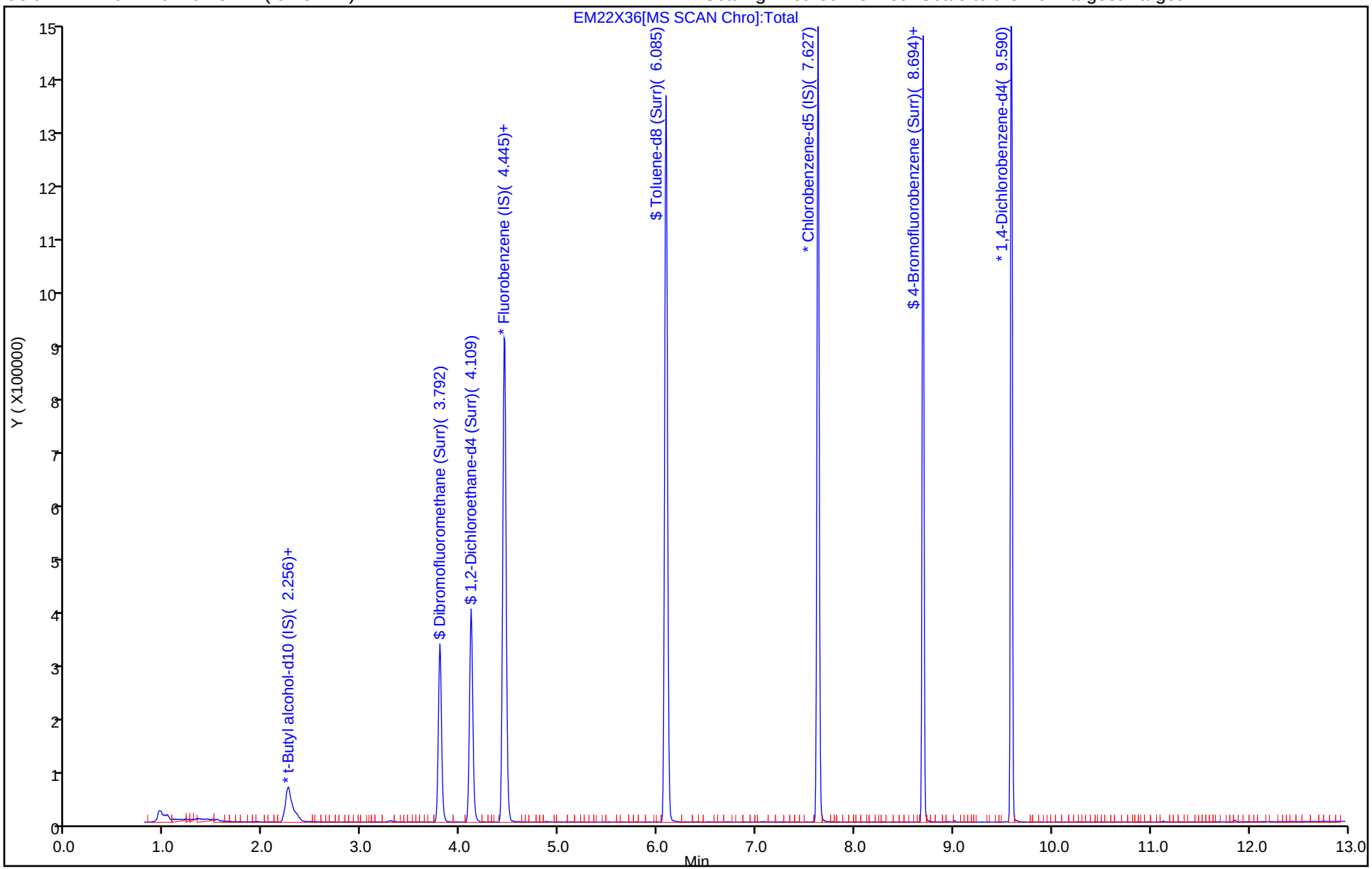
Report Date: 22-Mar-2024 22:27:45 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X36.D

Injection Date:	22-Mar-2024 21:50:30	Instrument ID:	15648	Operator ID:	MEC29284
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		

Column: DB-624 20m 0.18mm (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X36.D				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	22-Mar-2024 21:50:30	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0109409-007				
Misc. Info.:	MB				
Operator ID:	MEC29284	Instrument ID:	15648		
Method:	\\chromfs\Lancaster\ChromData\15648\20240322-109409.b\MSVoa_15648.m				
Limit Group:	MSV - 8260C_D				
Last Update:	22-Mar-2024 22:27:25	Calib Date:	18-Mar-2024 17:16:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D				
Column 1 :	DB-624 20m 0.18mm (0.18 mm)		Det: MS Quad		
Process Host:	CTX1616				

First Level Reviewer: K4WN Date: 22-Mar-2024 22:27:25

Compound	Amount Added	Amount Recovered	% Rec.
$ 48 Dibromofluoromethane (Surr)	50.0	49.3	98.65
$ 55 1,2-Dichloroethane-d4 (Surr)	50.0	48.9	97.81
$ 77 Toluene-d8 (Surr)	50.0	50.1	100.26
$ 103 4-Bromofluorobenzene (Surr)	50.0	49.2	98.49

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164755-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-486390/4

Matrix: Water
Lab File ID: EM22X33.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 03/22/2024 20:51

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: DB-624 20m ID: 0.18(mm)

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

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

Analysis Batch No.: 486390
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	21.1		1.0	0.30
71-55-6	1,1,1-Trichloroethane	21.2		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	21.1		1.0	0.30
79-00-5	1,1,2-Trichloroethane	20.8		1.0	0.30
75-34-3	1,1-Dichloroethane	21.2		1.0	0.30
75-35-4	1,1-Dichloroethene	21.1		1.0	0.30
106-93-4	Ethylene Dibromide	20.5		1.0	0.20
107-06-2	1,2-Dichloroethane	20.6		1.0	0.30
78-87-5	1,2-Dichloropropane	21.3		1.0	0.30
78-93-3	2-Butanone (MEK)	241		10	0.50
591-78-6	2-Hexanone	253		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	258		10	0.50
67-64-1	Acetone	244		20	0.70
71-43-2	Benzene	20.9		1.0	0.30
74-97-5	Bromochloromethane	21.9		5.0	0.20
75-27-4	Bromodichloromethane	20.7		1.0	0.20
75-25-2	Bromoform	18.7		4.0	1.0
74-83-9	Bromomethane	18.5		1.0	0.30
75-15-0	Carbon disulfide	19.1		5.0	0.30
56-23-5	Carbon tetrachloride	20.8		1.0	0.30
108-90-7	Chlorobenzene	21.1		1.0	0.30
75-00-3	Chloroethane	19.3		1.0	0.30
67-66-3	Chloroform	22.1		1.0	0.30
74-87-3	Chloromethane	17.1		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	21.0		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	19.6		1.0	0.20
124-48-1	Dibromochloromethane	20.5		1.0	0.20
100-41-4	Ethylbenzene	20.9		1.0	0.40
1634-04-4	Methyl tert-butyl ether	20.3		1.0	0.20
75-09-2	Methylene Chloride	20.5		1.0	0.30
100-42-5	Styrene	20.8		5.0	0.30
127-18-4	Tetrachloroethene	20.7		1.0	0.30
108-88-3	Toluene	20.8		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164755-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-486390/4

Matrix: Water
Lab File ID: EM22X33.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 03/22/2024 20:51

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: DB-624 20m ID: 0.18(mm)

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

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

Analysis Batch No.: 486390
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	20.8		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	20.5		1.0	0.20
79-01-6	Trichloroethene	20.5		1.0	0.30
75-01-4	Vinyl chloride	17.9		1.0	0.30
1330-20-7	Xylenes, Total	62.0		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)	99		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\15648\20240322-109409.b\EM22X33.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 22-Mar-2024 20:51:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109409-004
Misc. Info.: LCS
Operator ID: MEC29284 Instrument ID: 15648

Method: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 22-Mar-2024 21:40:09 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1616

First Level Reviewer: K4WN Date: 22-Mar-2024 21:19:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.104	1.098	0.006	99	128411	20.0	14.8	
4 Chloromethane	50	1.214	1.214	0.000	98	139581	20.0	17.1	M
5 Butadiene	39	1.256	1.256	0.000	97	201508	20.0	22.0	
6 Vinyl chloride	62	1.275	1.275	0.000	98	135369	20.0	17.9	
8 Bromomethane	94	1.445	1.445	0.000	91	86886	20.0	18.5	
9 Chloroethane	64	1.476	1.470	0.006	99	85758	20.0	19.3	
10 Dichlorofluoromethane	67	1.586	1.585	0.001	97	206849	20.0	17.4	
11 Pentane	43	1.634	1.634	0.000	95	170779	20.0	17.9	
12 Trichlorofluoromethane	101	1.653	1.653	0.001	97	163883	20.0	17.4	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	1.781	1.768	0.013	95	131499	20.0	19.0	
17 1,1-Dichloroethene	96	1.915	1.915	0.000	94	85689	20.0	21.1	
18 Acetone	58	1.933	1.927	0.006	98	154777	250.0	244.4	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.945	1.951	-0.006	92	81388	20.0	17.5	
20 Isopropyl alcohol	45	2.024	2.012	0.012	47	72516	150.0	160.1	
21 Iodomethane	142	2.024	2.024	0.000	99	140349	20.0	19.2	
22 Carbon disulfide	76	2.079	2.079	0.000	100	231944	20.0	19.1	
25 3-Chloro-1-propene	41	2.159	2.159	0.001	86	179795	20.0	19.3	
26 Methyl acetate	43	2.165	2.159	0.007	98	112652	20.0	21.5	
27 Methylene Chloride	84	2.250	2.250	0.000	98	95987	20.0	20.5	
* 28 t-Butyl alcohol-d10 (IS)	65	2.256	2.256	0.000	99	176872	250.0	250.0	
29 2-Methyl-2-propanol	59	2.323	2.323	0.000	98	161535	200.0	203.3	M
30 Acrylonitrile	53	2.427	2.427	0.000	97	274899	100.0	102.9	
32 trans-1,2-Dichloroethene	96	2.469	2.469	0.000	94	94715	20.0	20.8	
31 Methyl tert-butyl ether	73	2.476	2.476	0.000	98	336336	20.0	20.3	
33 Hexane	57	2.701	2.701	0.000	95	147158	20.0	18.5	
34 1,1-Dichloroethane	63	2.823	2.823	0.000	96	208490	20.0	21.2	
36 Isopropyl ether	45	2.896	2.896	0.000	91	364609	20.0	20.2	
37 2-Chloro-1,3-butadiene	53	2.908	2.908	0.000	96	193304	20.0	20.0	
38 Tert-butyl ethyl ether	59	3.225	3.231	-0.006	98	365980	20.0	21.1	
40 cis-1,2-Dichloroethene	96	3.347	3.347	0.000	85	108345	20.0	21.0	
39 2-Butanone (MEK)	43	3.347	3.353	-0.006	99	935342	250.0	240.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2,2-Dichloropropane	77	3.360	3.366	-0.006	48	189288	20.0	20.8	
42 Propionitrile	54	3.402	3.402	0.000	96	167033	150.0	157.6	
186 Methyl acrylate	55	3.451	3.451	0.000	99	139323	20.0	20.4	
44 Methacrylonitrile	67	3.549	3.548	0.001	94	440121	150.0	156.6	
45 Chlorobromomethane	128	3.567	3.561	0.006	95	50754	20.0	21.9	
46 Tetrahydrofuran	71	3.603	3.603	0.000	93	92490	100.0	106.7	
47 Chloroform	83	3.646	3.646	0.000	96	203716	20.0	22.1	
$ 48 Dibromofluoromethane (Surr)	113	3.792	3.792	0.000	92	207124	50.0	49.3	
49 1,1,1-Trichloroethane	97	3.823	3.823	0.000	98	176969	20.0	21.2	
51 Cyclohexane	56	3.884	3.884	0.000	95	191379	20.0	18.8	
52 1,1-Dichloropropene	75	3.975	3.975	0.000	90	157978	20.0	21.0	
53 Carbon tetrachloride	117	3.987	3.987	0.000	95	148122	20.0	20.8	
54 Isobutyl alcohol	41	4.109	4.109	0.000	90	142971	500.0	529.8	
$ 55 1,2-Dichloroethane-d4 (Surr)	65	4.116	4.115	0.001	95	325197	50.0	49.3	
56 Benzene	78	4.170	4.170	0.000	98	429278	20.0	20.9	
57 1,2-Dichloroethane	62	4.183	4.183	0.001	97	170338	20.0	20.6	
59 Tert-amyl methyl ether	73	4.305	4.304	0.000	97	334297	20.0	20.7	
* 60 Fluorobenzene (IS)	96	4.451	4.451	0.000	97	892425	50.0	50.0	
61 n-Heptane	43	4.463	4.469	-0.006	96	154810	20.0	18.9	
62 n-Butanol	56	4.774	4.774	0.000	93	197931	1000.0	979.2	
63 Trichloroethene	95	4.817	4.817	0.000	97	108524	20.0	20.5	
195 Ethyl acrylate	55	4.951	4.951	0.000	99	183746	20.0	21.4	
64 Methylcyclohexane	83	5.018	5.018	0.000	93	176069	20.0	19.3	
65 1,2-Dichloropropane	63	5.036	5.036	0.000	91	118479	20.0	21.3	
66 2-ethoxy-2-methyl butane	87	5.109	5.109	0.000	91	163864	20.0	19.4	
67 Dibromomethane	93	5.152	5.152	0.000	95	67070	20.0	20.3	
68 1,4-Dioxane	88	5.188	5.182	0.006	34	30738	500.0	717.6	M
69 Methyl methacrylate	69	5.188	5.188	0.000	92	96044	20.0	20.2	
71 Dichlorobromomethane	83	5.329	5.329	0.000	98	139950	20.0	20.7	
72 2-Nitropropane	41	5.560	5.560	0.000	99	55089	20.0	20.7	
74 cis-1,3-Dichloropropene	75	5.804	5.804	0.000	90	172642	20.0	19.6	
75 4-Methyl-2-pentanone (MIBK)	43	5.981	5.981	0.000	99	2059724	250.0	257.6	
$ 77 Toluene-d8 (Surr)	98	6.085	6.091	-0.006	95	919888	50.0	49.8	
78 Toluene	92	6.158	6.158	0.000	97	272775	20.0	20.8	
79 trans-1,3-Dichloropropene	75	6.408	6.408	0.000	99	169698	20.0	20.5	
81 Ethyl methacrylate	69	6.542	6.548	-0.006	91	169597	20.0	20.0	
82 1,1,2-Trichloroethane	97	6.603	6.597	0.006	94	92938	20.0	20.8	
83 Tetrachloroethene	166	6.749	6.749	0.000	95	111117	20.0	20.7	
84 1,3-Dichloropropane	76	6.780	6.773	0.007	96	174293	20.0	21.1	
86 2-Hexanone	43	6.902	6.901	0.001	98	1489514	250.0	253.3	
87 Chlorodibromomethane	129	7.023	7.023	0.000	90	101843	20.0	20.5	
89 Ethylene Dibromide	107	7.127	7.127	0.000	99	96432	20.0	20.5	
* 90 Chlorobenzene-d5 (IS)	117	7.627	7.627	0.000	89	659434	50.0	50.0	
91 Chlorobenzene	112	7.658	7.657	0.001	92	290312	20.0	21.1	
92 1-Chlorohexane	91	7.670	7.670	0.000	89	138786	20.0	19.4	
94 1,1,1,2-Tetrachloroethane	131	7.743	7.749	-0.006	94	100850	20.0	21.1	
95 Ethylbenzene	91	7.779	7.779	0.000	99	539276	20.0	20.9	
96 m-Xylene & p-Xylene	106	7.895	7.901	-0.006	100	403691	40.0	41.6	
97 o-Xylene	106	8.255	8.255	0.000	97	194505	20.0	20.4	
274 n-Butyl acrylate	55	8.261	8.261	0.000	95	280415	20.0	21.7	
98 Styrene	104	8.267	8.267	0.000	95	327620	20.0	20.8	
99 Bromoform	173	8.407	8.407	0.000	94	68558	20.0	18.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
100 Isopropylbenzene	105	8.578	8.578	0.000	97	529637	20.0	22.4	
$ 103 4-Bromofluorobenzene (Surr)	95	8.694	8.694	0.000	87	348858	50.0	49.7	
104 Bromobenzene	156	8.804	8.804	0.000	98	116601	20.0	20.9	
105 1,1,2,2-Tetrachloroethane	83	8.822	8.822	0.000	94	150491	20.0	21.1	
106 1,2,3-Trichloropropane	110	8.846	8.846	0.000	88	46465	20.0	21.6	
107 trans-1,4-Dichloro-2-butene	53	8.871	8.871	0.000	94	255976	100.0	87.4	
108 N-Propylbenzene	91	8.913	8.913	0.000	99	617709	20.0	21.8	
109 2-Chlorotoluene	126	8.968	8.968	0.000	95	118199	20.0	21.5	
111 4-Chlorotoluene	126	9.060	9.060	0.000	99	118167	20.0	20.8	
110 1,3,5-Trimethylbenzene	105	9.060	9.060	0.000	94	430231	20.0	21.4	
113 tert-Butylbenzene	134	9.310	9.310	0.000	94	86517	20.0	21.4	
115 1,2,4-Trimethylbenzene	105	9.346	9.346	0.000	98	427288	20.0	21.0	
116 sec-Butylbenzene	105	9.474	9.474	0.000	95	524426	20.0	21.6	
117 1,3-Dichlorobenzene	146	9.541	9.541	0.000	97	217300	20.0	20.8	
118 4-Isopropyltoluene	119	9.584	9.584	0.000	98	444623	20.0	20.9	
* 119 1,4-Dichlorobenzene-d4	152	9.590	9.590	0.000	97	363437	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.608	9.608	0.000	95	225224	20.0	21.2	
121 1,2,3-Trimethylbenzene	105	9.651	9.651	0.000	100	418716	20.0	20.3	
122 Benzyl chloride	91	9.706	9.706	0.000	99	313523	20.0	20.3	
123 1,3-Diethylbenzene	119	9.803	9.803	0.000	95	254414	20.0	21.0	
124 p-Diethylbenzene	119	9.864	9.864	0.000	95	262355	20.0	20.9	
125 1,2-Dichlorobenzene	146	9.870	9.870	0.000	95	213645	20.0	21.2	
126 n-Butylbenzene	92	9.877	9.877	0.000	97	215364	20.0	20.8	
162 o-diethylbenzene	119	9.944	9.944	0.000	97	210138	20.0	20.7	
164 1,2-Dibromo-3-Chloropropane	75	10.413	10.413	0.000	77	36517	20.0	19.4	
165 1,3,5-Trichlorobenzene	180	10.565	10.565	0.000	96	147692	20.0	21.1	
166 1,2,4-Trichlorobenzene	180	10.974	10.974	0.000	93	142041	20.0	21.9	
167 Hexachlorobutadiene	225	11.090	11.090	0.000	97	58718	20.0	20.7	
271 2-Ethylhexyl acrylate	55	11.114	11.114	0.000	84	147278	20.0	20.3	
168 Naphthalene	128	11.126	11.126	0.000	98	480604	20.0	21.8	
170 1,2,3-Trichlorobenzene	180	11.285	11.285	0.000	94	133382	20.0	21.9	
171 2-Methylnaphthalene	142	11.852	11.852	0.000	92	240058	20.0	23.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00158	Amount Added: 50.00	Units: uL	
MSV_LCS_Gases_00189	Amount Added: 50.00	Units: uL	
MSV_LCS_OH_Sp_00011	Amount Added: 50.00	Units: uL	
MSV_Cent_ISSS_00023	Amount Added: 5.00	Units: uL	Run Reagent

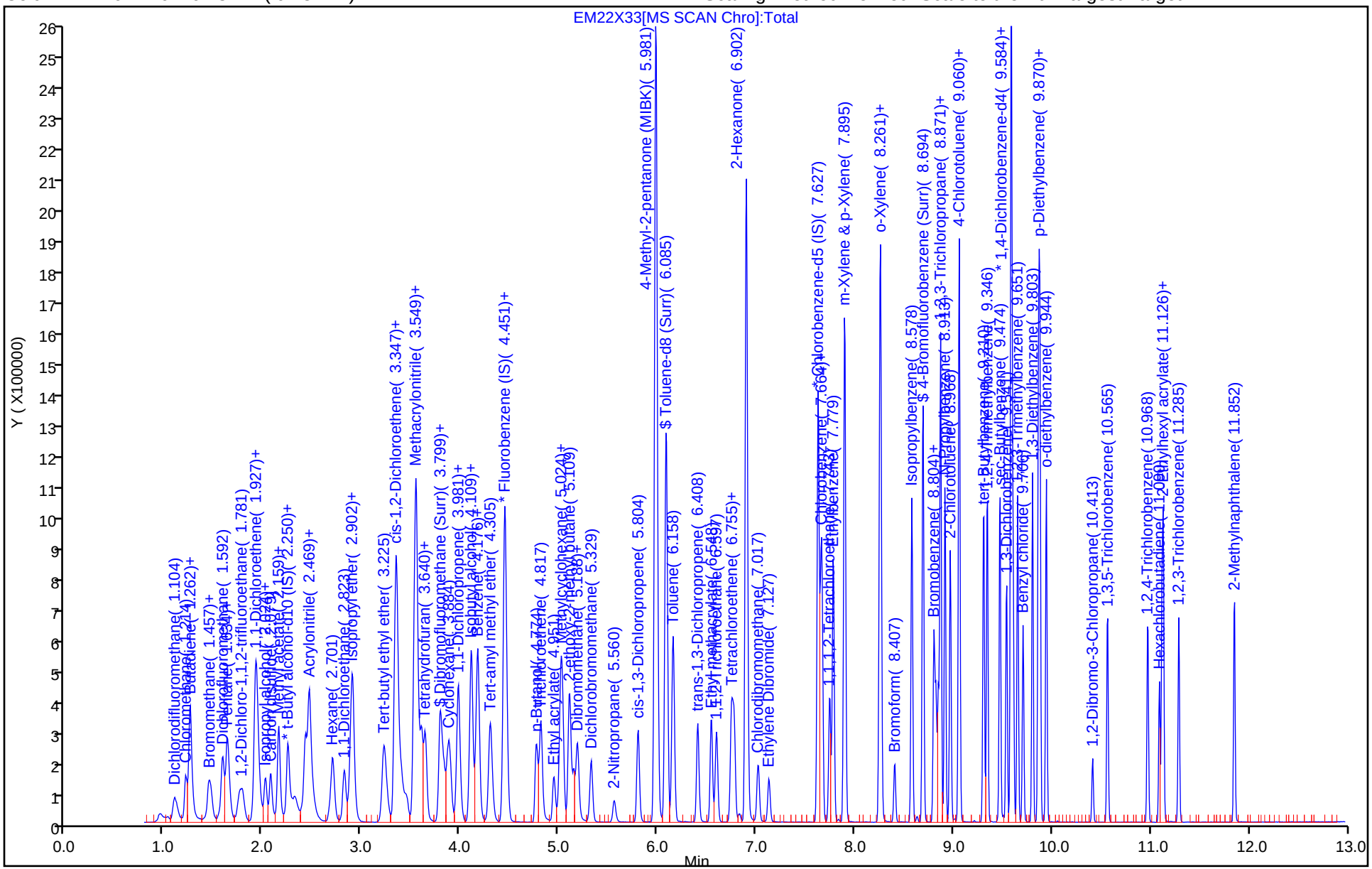
Report Date: 22-Mar-2024 21:40:14 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X33.D

Injection Date:	22-Mar-2024 20:51:30	Instrument ID:	15648	Operator ID:	MEC29284
Lims ID:	LCS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		

Column: DB-624 20m 0.18mm (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X33.D				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	22-Mar-2024 20:51:30	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0109409-004				
Misc. Info.:	LCS				
Operator ID:	MEC29284	Instrument ID:	15648		
Method:	\\chromfs\Lancaster\ChromData\15648\20240322-109409.b\MSVoa_15648.m				
Limit Group:	MSV - 8260C_D				
Last Update:	22-Mar-2024 21:40:09	Calib Date:	18-Mar-2024 17:16:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D				
Column 1 :	DB-624 20m 0.18mm (0.18 mm)		Det: MS Quad		
Process Host:	CTX1616				

First Level Reviewer: K4WN Date: 22-Mar-2024 21:19:59

Compound	Amount Added	Amount Recovered	% Rec.
$ 48 Dibromofluoromethane (Surr)	50.0	49.3	98.50
$ 55 1,2-Dichloroethane-d4 (Surr)	50.0	49.3	98.52
$ 77 Toluene-d8 (Surr)	50.0	49.8	99.62
$ 103 4-Bromofluorobenzene (Surr)	50.0	49.7	99.47

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

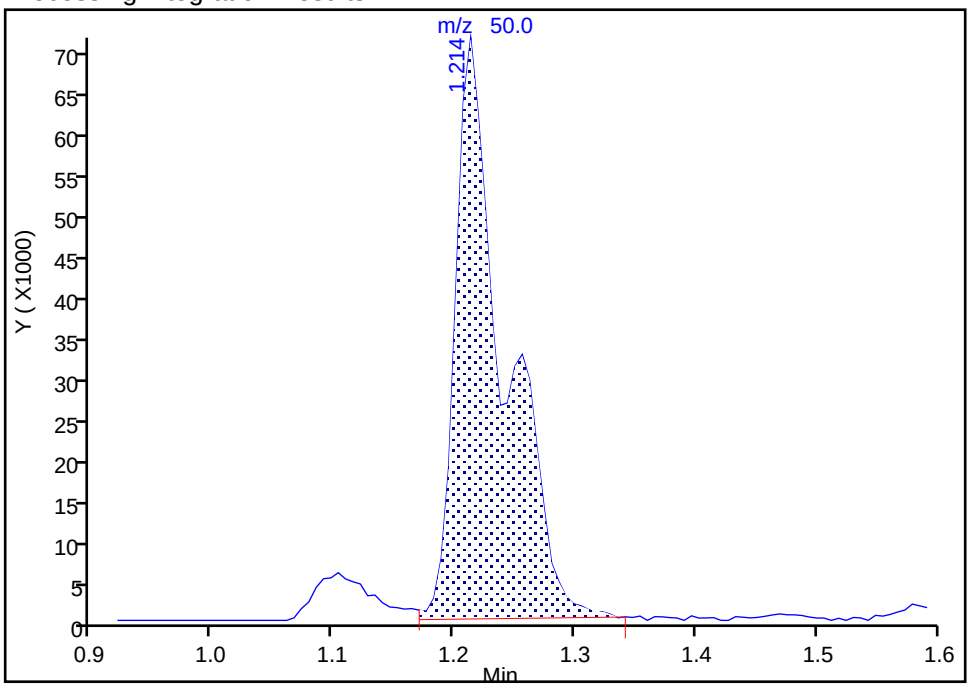
Data File:	\\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X33.D				
Injection Date:	22-Mar-2024 20:51:30	Instrument ID:	15648		
Lims ID:	LCS				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		
Column:	DB-624 20m 0.18mm (0.18 mm)	Detector	MS Quad		

4 Chloromethane, CAS: 74-87-3

Signal: 1

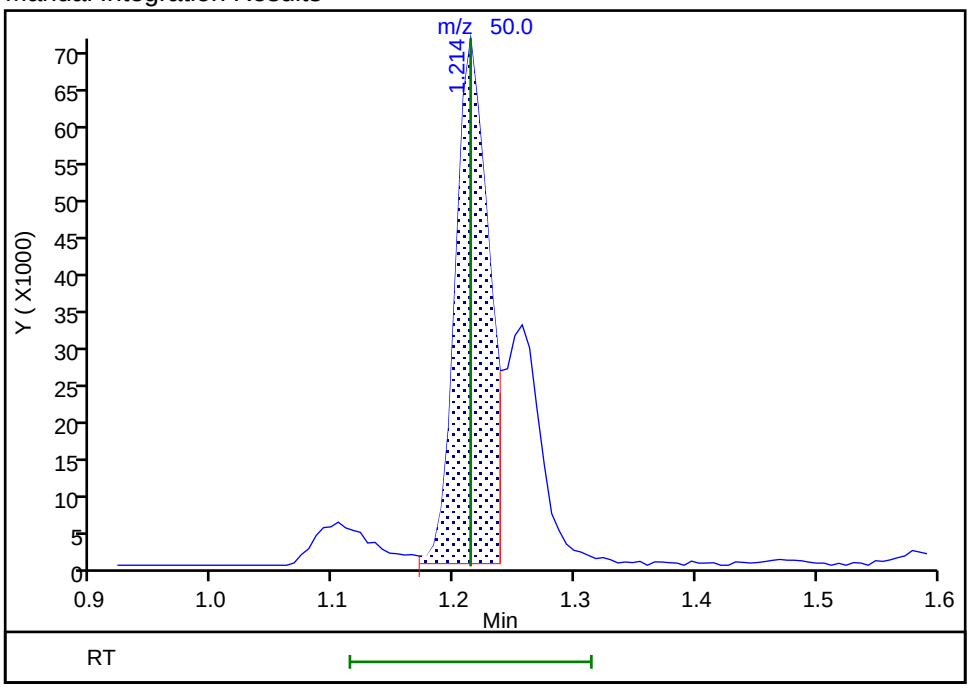
Processing Integration Results

RT: 1.21
Area: 202657
Amount: 24.865056
Amount Units: ug/l



Manual Integration Results

RT: 1.21
Area: 139581
Amount: 17.125929
Amount Units: ug/l



Reviewer: K4WN, 22-Mar-2024 21:19:13 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164755-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-486390/5

Matrix: Water
Lab File ID: EM22X34.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 03/22/2024 21:11

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: DB-624 20m ID: 0.18(mm)

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

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

Analysis Batch No.: 486390
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	19.3		1.0	0.30
71-55-6	1,1,1-Trichloroethane	19.4		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	19.3		1.0	0.30
79-00-5	1,1,2-Trichloroethane	19.8		1.0	0.30
75-34-3	1,1-Dichloroethane	19.4		1.0	0.30
75-35-4	1,1-Dichloroethene	19.5		1.0	0.30
106-93-4	Ethylene Dibromide	19.1		1.0	0.20
107-06-2	1,2-Dichloroethane	19.0		1.0	0.30
78-87-5	1,2-Dichloropropane	19.7		1.0	0.30
78-93-3	2-Butanone (MEK)	227		10	0.50
591-78-6	2-Hexanone	236		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	240		10	0.50
67-64-1	Acetone	221		20	0.70
71-43-2	Benzene	19.5		1.0	0.30
74-97-5	Bromochloromethane	20.4		5.0	0.20
75-27-4	Bromodichloromethane	19.3		1.0	0.20
75-25-2	Bromoform	17.6		4.0	1.0
74-83-9	Bromomethane	17.6		1.0	0.30
75-15-0	Carbon disulfide	17.8		5.0	0.30
56-23-5	Carbon tetrachloride	19.1		1.0	0.30
108-90-7	Chlorobenzene	19.7		1.0	0.30
75-00-3	Chloroethane	17.9		1.0	0.30
67-66-3	Chloroform	20.5		1.0	0.30
74-87-3	Chloromethane	17.9		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	19.5		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	18.2		1.0	0.20
124-48-1	Dibromochloromethane	18.8		1.0	0.20
100-41-4	Ethylbenzene	19.3		1.0	0.40
1634-04-4	Methyl tert-butyl ether	18.9		1.0	0.20
75-09-2	Methylene Chloride	19.5		1.0	0.30
100-42-5	Styrene	19.4		5.0	0.30
127-18-4	Tetrachloroethene	19.2		1.0	0.30
108-88-3	Toluene	19.6		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-164755-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-486390/5

Matrix: Water
Lab File ID: EM22X34.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 03/22/2024 21:11

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: DB-624 20m ID: 0.18(mm)

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

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

Analysis Batch No.: 486390
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	19.1		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	18.9		1.0	0.20
79-01-6	Trichloroethene	19.1		1.0	0.30
75-01-4	Vinyl chloride	16.3		1.0	0.30
1330-20-7	Xylenes, Total	58.7		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)	99		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\15648\20240322-109409.b\EM22X34.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 22-Mar-2024 21:11:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109409-005
Misc. Info.: LCSD
Operator ID: MEC29284 Instrument ID: 15648

Method: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 22-Mar-2024 21:40:09 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1616

First Level Reviewer: K4WN Date: 22-Mar-2024 21:39:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.104	1.098	0.006	99	128436	20.0	13.6	
4 Chloromethane	50	1.220	1.214	0.006	98	157998	20.0	17.9	
5 Butadiene	39	1.269	1.256	0.013	95	200437	20.0	20.2	
6 Vinyl chloride	62	1.281	1.275	0.006	98	133970	20.0	16.3	
8 Bromomethane	94	1.458	1.445	0.013	93	89483	20.0	17.6	
9 Chloroethane	64	1.476	1.470	0.006	99	86209	20.0	17.9	
10 Dichlorofluoromethane	67	1.598	1.585	0.013	97	209103	20.0	16.2	
11 Pentane	43	1.647	1.634	0.012	96	169344	20.0	16.3	
12 Trichlorofluoromethane	101	1.665	1.653	0.013	98	163895	20.0	16.0	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	1.793	1.768	0.025	95	129806	20.0	17.3	
17 1,1-Dichloroethene	96	1.927	1.915	0.012	94	86178	20.0	19.5	
18 Acetone	58	1.939	1.927	0.012	98	159947	250.0	221.0	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.957	1.951	0.006	94	81206	20.0	16.1	
20 Isopropyl alcohol	45	2.031	2.012	0.019	48	74045	150.0	143.0	
21 Iodomethane	142	2.031	2.024	0.007	99	142130	20.0	17.9	
22 Carbon disulfide	76	2.085	2.079	0.006	100	233606	20.0	17.8	
25 3-Chloro-1-propene	41	2.165	2.159	0.007	86	182866	20.0	18.1	
26 Methyl acetate	43	2.171	2.159	0.013	61	113842	20.0	20.0	
27 Methylene Chloride	84	2.262	2.250	0.012	98	99435	20.0	19.5	
* 28 t-Butyl alcohol-d10 (IS)	65	2.268	2.256	0.012	98	202168	250.0	250.0	
29 2-Methyl-2-propanol	59	2.329	2.323	0.006	99	164368	200.0	181.0	M
30 Acrylonitrile	53	2.433	2.427	0.006	97	277031	100.0	95.5	
32 trans-1,2-Dichloroethene	96	2.476	2.469	0.007	94	94268	20.0	19.1	
31 Methyl tert-butyl ether	73	2.482	2.476	0.006	98	339521	20.0	18.9	
33 Hexane	57	2.713	2.701	0.012	96	144311	20.0	16.7	
34 1,1-Dichloroethane	63	2.829	2.823	0.006	97	207207	20.0	19.4	
36 Isopropyl ether	45	2.908	2.896	0.012	92	368304	20.0	18.8	
37 2-Chloro-1,3-butadiene	53	2.915	2.908	0.007	95	193939	20.0	18.5	
38 Tert-butyl ethyl ether	59	3.232	3.231	0.001	98	358557	20.0	19.1	
40 cis-1,2-Dichloroethene	96	3.353	3.347	0.006	85	109119	20.0	19.5	
39 2-Butanone (MEK)	43	3.353	3.353	0.000	100	957377	250.0	227.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2,2-Dichloropropane	77	3.366	3.366	0.000	90	189350	20.0	19.2	
42 Propionitrile	54	3.414	3.402	0.012	97	170275	150.0	140.6	
186 Methyl acrylate	55	3.457	3.451	0.006	100	160977	20.0	21.7	
44 Methacrylonitrile	67	3.555	3.548	0.007	94	446261	150.0	146.3	
45 Chlorobromomethane	128	3.573	3.561	0.012	96	51254	20.0	20.4	
46 Tetrahydrofuran	71	3.610	3.603	0.007	94	90681	100.0	91.5	
47 Chloroform	83	3.652	3.646	0.006	96	204811	20.0	20.5	
$ 48 Dibromofluoromethane (Surr)	113	3.799	3.792	0.007	93	225416	50.0	49.4	
49 1,1,1-Trichloroethane	97	3.829	3.823	0.006	97	175577	20.0	19.4	
51 Cyclohexane	56	3.890	3.884	0.006	95	190025	20.0	17.2	
52 1,1-Dichloropropene	75	3.981	3.975	0.006	90	154866	20.0	19.0	
53 Carbon tetrachloride	117	3.994	3.987	0.007	94	147751	20.0	19.1	
54 Isobutyl alcohol	41	4.109	4.109	0.000	93	141309	500.0	458.1	
$ 55 1,2-Dichloroethane-d4 (Surr)	65	4.116	4.115	0.001	95	353271	50.0	49.3	
56 Benzene	78	4.177	4.170	0.006	97	435605	20.0	19.5	
57 1,2-Dichloroethane	62	4.189	4.183	0.007	97	170916	20.0	19.0	
59 Tert-amyl methyl ether	73	4.305	4.304	0.001	97	337293	20.0	19.2	
* 60 Fluorobenzene (IS)	96	4.451	4.451	0.000	97	968759	50.0	50.0	
61 n-Heptane	43	4.469	4.469	0.000	96	151882	20.0	17.1	
62 n-Butanol	56	4.774	4.774	0.000	93	206512	1000.0	893.9	
63 Trichloroethene	95	4.823	4.817	0.006	97	109593	20.0	19.1	
195 Ethyl acrylate	55	4.951	4.951	0.000	98	183900	20.0	19.8	
64 Methylcyclohexane	83	5.018	5.018	0.000	93	179498	20.0	18.1	
65 1,2-Dichloropropane	63	5.036	5.036	0.000	91	119181	20.0	19.7	
66 2-ethoxy-2-methyl butane	87	5.109	5.109	0.000	92	164703	20.0	18.0	
67 Dibromomethane	93	5.152	5.152	0.000	96	67869	20.0	19.0	
68 1,4-Dioxane	88	5.189	5.182	0.006	35	29854	500.0	609.8	
69 Methyl methacrylate	69	5.195	5.188	0.007	93	97010	20.0	18.8	
71 Dichlorobromomethane	83	5.329	5.329	0.000	98	141320	20.0	19.3	
72 2-Nitropropane	41	5.560	5.560	0.000	99	53101	20.0	17.4	
74 cis-1,3-Dichloropropene	75	5.804	5.804	0.000	91	174493	20.0	18.2	
75 4-Methyl-2-pentanone (MIBK)	43	5.987	5.981	0.006	99	2082467	250.0	240.0	
$ 77 Toluene-d8 (Surr)	98	6.091	6.091	0.000	95	997809	50.0	50.0	
78 Toluene	92	6.158	6.158	0.000	97	277458	20.0	19.6	
79 trans-1,3-Dichloropropene	75	6.408	6.408	0.000	99	168831	20.0	18.9	
81 Ethyl methacrylate	69	6.548	6.548	0.000	91	169610	20.0	18.5	
82 1,1,2-Trichloroethane	97	6.597	6.597	0.000	93	95548	20.0	19.8	
83 Tetrachloroethene	166	6.755	6.749	0.006	94	111450	20.0	19.2	
84 1,3-Dichloropropane	76	6.780	6.773	0.007	96	173110	20.0	19.4	
86 2-Hexanone	43	6.902	6.901	0.001	98	1501364	250.0	236.2	
87 Chlorodibromomethane	129	7.024	7.023	0.001	90	100635	20.0	18.8	
89 Ethylene Dibromide	107	7.127	7.127	0.000	98	97360	20.0	19.1	
* 90 Chlorobenzene-d5 (IS)	117	7.627	7.627	0.000	89	712661	50.0	50.0	
91 Chlorobenzene	112	7.658	7.657	0.001	92	292756	20.0	19.7	
92 1-Chlorohexane	91	7.670	7.670	0.000	90	142304	20.0	18.4	
94 1,1,1,2-Tetrachloroethane	131	7.749	7.749	0.000	94	99889	20.0	19.3	
95 Ethylbenzene	91	7.779	7.779	0.000	99	537220	20.0	19.3	
96 m-Xylene & p-Xylene	106	7.895	7.901	-0.006	100	412645	40.0	39.3	
97 o-Xylene	106	8.255	8.255	0.000	97	199724	20.0	19.4	
274 n-Butyl acrylate	55	8.261	8.261	0.000	96	275473	20.0	19.8	
98 Styrene	104	8.267	8.267	0.000	93	330625	20.0	19.4	
99 Bromoform	173	8.407	8.407	0.000	95	69994	20.0	17.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
100 Isopropylbenzene	105	8.578	8.578	0.000	97	535251	20.0	21.0	
$ 103 4-Bromofluorobenzene (Surr)	95	8.694	8.694	0.000	87	374586	50.0	49.4	
104 Bromobenzene	156	8.804	8.804	0.000	98	116716	20.0	19.2	
105 1,1,2,2-Tetrachloroethane	83	8.822	8.822	0.000	93	149593	20.0	19.3	
106 1,2,3-Trichloropropane	110	8.846	8.846	0.000	87	45505	20.0	19.4	
107 trans-1,4-Dichloro-2-butene	53	8.871	8.871	0.000	94	255598	100.0	80.2	
108 N-Propylbenzene	91	8.913	8.913	0.000	99	625534	20.0	20.3	
109 2-Chlorotoluene	126	8.968	8.968	0.000	95	118217	20.0	19.7	
111 4-Chlorotoluene	126	9.060	9.060	0.000	99	118976	20.0	19.2	
110 1,3,5-Trimethylbenzene	105	9.060	9.060	0.000	94	432475	20.0	19.7	
113 tert-Butylbenzene	134	9.310	9.310	0.000	94	88283	20.0	20.1	
115 1,2,4-Trimethylbenzene	105	9.346	9.346	0.000	98	433086	20.0	19.6	
116 sec-Butylbenzene	105	9.474	9.474	0.000	95	527292	20.0	19.9	
117 1,3-Dichlorobenzene	146	9.541	9.541	0.000	97	220817	20.0	19.4	
118 4-Isopropyltoluene	119	9.584	9.584	0.000	97	451338	20.0	19.5	
* 119 1,4-Dichlorobenzene-d4	152	9.590	9.590	0.000	97	395450	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.608	9.608	0.000	97	228349	20.0	19.7	
121 1,2,3-Trimethylbenzene	105	9.651	9.651	0.000	99	420964	20.0	18.7	
122 Benzyl chloride	91	9.706	9.706	0.000	100	307824	20.0	18.3	
123 1,3-Diethylbenzene	119	9.803	9.803	0.000	95	259492	20.0	19.7	
124 p-Diethylbenzene	119	9.864	9.864	0.000	95	270148	20.0	19.8	
125 1,2-Dichlorobenzene	146	9.871	9.870	0.000	95	214342	20.0	19.5	
126 n-Butylbenzene	92	9.877	9.877	0.000	98	218545	20.0	19.4	
162 o-diethylbenzene	119	9.944	9.944	0.000	97	216392	20.0	19.6	
164 1,2-Dibromo-3-Chloropropane	75	10.413	10.413	0.000	78	36592	20.0	17.9	
165 1,3,5-Trichlorobenzene	180	10.566	10.565	0.001	96	150336	20.0	19.7	
166 1,2,4-Trichlorobenzene	180	10.974	10.974	0.000	94	138426	20.0	19.6	
167 Hexachlorobutadiene	225	11.090	11.090	0.000	97	58923	20.0	19.1	
271 2-Ethylhexyl acrylate	55	11.114	11.114	0.000	84	151135	20.0	19.2	
168 Naphthalene	128	11.126	11.126	0.000	98	479503	20.0	20.0	
170 1,2,3-Trichlorobenzene	180	11.285	11.285	0.000	94	133370	20.0	20.1	
171 2-Methylnaphthalene	142	11.852	11.852	0.000	93	237987	20.0	21.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00158	Amount Added: 50.00	Units: uL	
MSV_LCS_Gases_00189	Amount Added: 50.00	Units: uL	
MSV_LCS_OH_Sp_00011	Amount Added: 50.00	Units: uL	
MSV_Cent_ISSS_00023	Amount Added: 5.00	Units: uL	Run Reagent

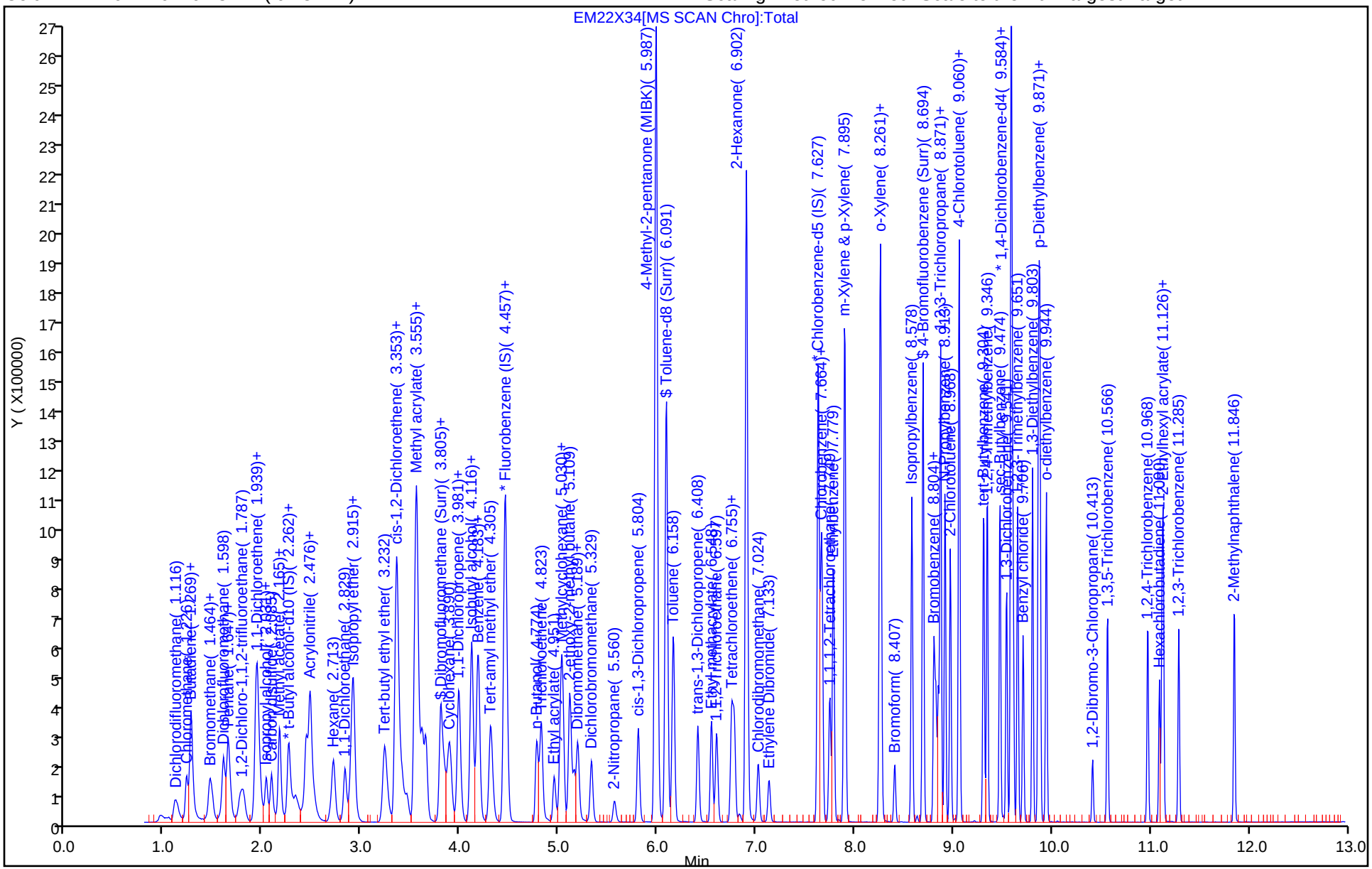
Report Date: 22-Mar-2024 21:40:27 Chrom Revision: 2.3 20-Mar-2024 17:23:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X34.D

Injection Date:	22-Mar-2024 21:11:30	Instrument ID:	15648	Operator ID:	MEC29284
Lims ID:	LCSD			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSVoa_15648	Limit Group:	MSV - 8260C_D		

Column: DB-624 20m 0.18mm (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\EM22X34.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 22-Mar-2024 21:11:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0109409-005
Misc. Info.: LCSD
Operator ID: MEC29284 Instrument ID: 15648

Method: \\chromfs\Lancaster\ChromData\15648\20240322-109409.b\MSVoa_15648.m
Limit Group: MSV - 8260C_D
Last Update: 22-Mar-2024 21:40:09 Calib Date: 18-Mar-2024 17:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15648\20240318-108929.b\EN18X18.D

Column 1 : DB-624 20m 0.18mm (0.18 mm) Det: MS Quad
Process Host: CTX1616

First Level Reviewer: K4WN Date: 22-Mar-2024 21:39:36

Compound	Amount Added	Amount Recovered	% Rec.
$ 48 Dibromofluoromethane (Surr)	50.0	49.4	98.76
$ 55 1,2-Dichloroethane-d4 (Surr)	50.0	49.3	98.59
$ 77 Toluene-d8 (Surr)	50.0	50.0	99.99
$ 103 4-Bromofluorobenzene (Surr)	50.0	49.4	98.83

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-164755-1

SDG No.:

Instrument ID: 15648

Start Date: 03/18/2024 11:40

Analysis Batch Number: 484275

End Date: 03/18/2024 17:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-484275/1		03/18/2024 11:40	1	EM18T01.D	DB-624 20m 0.18(mm)
IC 410-484275/3		03/18/2024 12:16	1	EN18X03.D	DB-624 20m 0.18(mm)
IC 410-484275/4		03/18/2024 12:36	1	EN18X04.D	DB-624 20m 0.18(mm)
IC 410-484275/5		03/18/2024 12:56	1	EN18X05.D	DB-624 20m 0.18(mm)
IC 410-484275/6		03/18/2024 13:16	1	EN18X06.D	DB-624 20m 0.18(mm)
CCV 410-484275/1006		03/18/2024 13:16	1		DB-624 20m 0.18(mm)
IC 410-484275/7		03/18/2024 13:36	1	EN18X07.D	DB-624 20m 0.18(mm)
IC 410-484275/8		03/18/2024 13:56	1	EN18X08.D	DB-624 20m 0.18(mm)
ICV 410-484275/10		03/18/2024 14:36	1		DB-624 20m 0.18(mm)
IC 410-484275/12		03/18/2024 15:16	1	EN18X12.D	DB-624 20m 0.18(mm)
IC 410-484275/13		03/18/2024 15:36	1	EN18X13.D	DB-624 20m 0.18(mm)
IC 410-484275/14		03/18/2024 15:56	1	EN18X14.D	DB-624 20m 0.18(mm)
IC 410-484275/15		03/18/2024 16:16	1	EN18X15.D	DB-624 20m 0.18(mm)
ICIS 410-484275/16		03/18/2024 16:36	1	EN18X16.D	DB-624 20m 0.18(mm)
CCVIS 410-484275/1016		03/18/2024 16:36	1		DB-624 20m 0.18(mm)
IC 410-484275/17		03/18/2024 16:56	1	EN18X17.D	DB-624 20m 0.18(mm)
IC 410-484275/18		03/18/2024 17:16	1	EN18X18.D	DB-624 20m 0.18(mm)
ICV 410-484275/20		03/18/2024 17:57	1	EN18X20.D	DB-624 20m 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-164755-1

SDG No.:

Instrument ID: 15648 Start Date: 03/22/2024 19:59

Analysis Batch Number: 486390 End Date: 03/23/2024 03:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-486390/1		03/22/2024 19:59	1	EM22T31.D	DB-624 20m 0.18(mm)
CCVIS 410-486390/3		03/22/2024 20:31	1	EM22X32.D	DB-624 20m 0.18(mm)
LCS 410-486390/4		03/22/2024 20:51	1	EM22X33.D	DB-624 20m 0.18(mm)
LCSD 410-486390/5		03/22/2024 21:11	1	EM22X34.D	DB-624 20m 0.18(mm)
ZZZZZ		03/22/2024 21:30	1		DB-624 20m 0.18(mm)
MB 410-486390/7		03/22/2024 21:50	1	EM22X36.D	DB-624 20m 0.18(mm)
410-164755-5	Trip Blank	03/22/2024 22:10	1	EM22X37.D	DB-624 20m 0.18(mm)
ZZZZZ		03/22/2024 22:30	1		DB-624 20m 0.18(mm)
ZZZZZ		03/22/2024 22:50	1		DB-624 20m 0.18(mm)
ZZZZZ		03/22/2024 23:10	1		DB-624 20m 0.18(mm)
ZZZZZ		03/22/2024 23:30	1		DB-624 20m 0.18(mm)
410-164755-1	HD-CW-21-0/1-0	03/22/2024 23:49	1	EM22X42.D	DB-624 20m 0.18(mm)
410-164755-2	HD-CW-22-0/1-0	03/23/2024 00:09	1	EM22X43.D	DB-624 20m 0.18(mm)
410-164755-3	HD-CW-23-0/1-0	03/23/2024 00:29	1	EM22X44.D	DB-624 20m 0.18(mm)
410-164755-4	HD-SPBA-EFF-0/1-0	03/23/2024 00:49	1	EM22X45.D	DB-624 20m 0.18(mm)
ZZZZZ		03/23/2024 01:09	1		DB-624 20m 0.18(mm)
ZZZZZ		03/23/2024 01:29	1		DB-624 20m 0.18(mm)
ZZZZZ		03/23/2024 01:48	1		DB-624 20m 0.18(mm)
ZZZZZ		03/23/2024 02:08	1		DB-624 20m 0.18(mm)
ZZZZZ		03/23/2024 02:28	1		DB-624 20m 0.18(mm)
ZZZZZ		03/23/2024 02:48	1		DB-624 20m 0.18(mm)
ZZZZZ		03/23/2024 03:08	1		DB-624 20m 0.18(mm)
ZZZZZ		03/23/2024 03:28	1		DB-624 20m 0.18(mm)
ZZZZZ		03/23/2024 03:48	1		DB-624 20m 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-164755-1

SDG No.:

Batch Number: 484275 | Batch Start Date: 03/18/24 11:40 | Batch Analyst: Campbell, Miranda E

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	MSV_4ppbEE 00574	MSV_CCV_2CEVE 00167	MSV_CCV_CYC 00008
BFB 410-484275/1		8260D			1 uL	1 uL				
IC 410-484275/3		8260D			5 mL	5 mL	2731			
IC 410-484275/4		8260D			5 mL	5 mL	2731			
IC 410-484275/5		8260D			5 mL	5 mL	2731			
IC 410-484275/6		8260D			5 mL	5 mL	2731			
IC 410-484275/7		8260D			5 mL	5 mL	2731			
IC 410-484275/8		8260D			5 mL	5 mL	2731			
IC 410-484275/12		8260D			5 mL	5 mL	2731	12.5 mL		
IC 410-484275/13		8260D			5 mL	5 mL	2731		4 uL	32 uL
IC 410-484275/14		8260D			5 mL	5 mL	2731		2 uL	8 uL
IC 410-484275/15		8260D			5 mL	5 mL	2731		4 uL	16 uL
ICIS 410-484275/16		8260D			5 mL	5 mL	2731		5 uL	10 uL
IC 410-484275/17		8260D			5 mL	5 mL	2731		5 uL	10 uL
IC 410-484275/18		8260D			5 mL	5 mL	2731		15 uL	30 uL
ICV 410-484275/20		8260D			5 mL	5 mL	2731			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_EE 00006	MSV_CCV_ETOH 00005	MSV_CCV_GASES 00723	MSV_CCV_LKB 00009	MSV_CCV_OH_Sp 00009	MSV_CCV_Penta 00046
BFB 410-484275/1		8260D								
IC 410-484275/3		8260D				20 uL		4 uL		4 uL
IC 410-484275/4		8260D				8 uL		2 uL		2 uL
IC 410-484275/5		8260D				16 uL		4 uL		4 uL
IC 410-484275/6		8260D				10 uL		5 uL		5 uL
IC 410-484275/7		8260D				10 uL		5 uL		5 uL
IC 410-484275/8		8260D				30 uL		15 uL		15 uL
IC 410-484275/12		8260D								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-164755-1

SDG No.:

Batch Number: 484275 Batch Start Date: 03/18/24 11:40 Batch Analyst: Campbell, Miranda E

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_EE 00006	MSV_CCV_ETOH 00005	MSV_CCV_GASES 00723	MSV_CCV_LKB 00009	MSV_CCV_OH_Sp 00009	MSV_CCV_Penta 00046
IC 410-484275/13		8260D			4 uL		2 uL		4 uL	
IC 410-484275/14		8260D			2 uL		1 uL		2 uL	
IC 410-484275/15		8260D			4 uL		2 uL		4 uL	
ICIS 410-484275/16		8260D			5 uL		2.5 uL		5 uL	
IC 410-484275/17		8260D			5 uL		2.5 uL		5 uL	
IC 410-484275/18		8260D			15 uL		7.5 uL		15 uL	
ICV 410-484275/20		8260D								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_V5ACE 00034	MSV_CCV_VOC#1 00175	MSV_CCV_VOC#3 00171	MSV_Cent_ISO 00004	MSV_Cent_ISSS 00023	MSV_LCS_2CEVE 00163
BFB 410-484275/1		8260D								
IC 410-484275/3		8260D			4 uL			5 uL		
IC 410-484275/4		8260D			2 uL			5 uL		
IC 410-484275/5		8260D			4 uL			5 uL		
IC 410-484275/6		8260D			5 uL			5 uL		
IC 410-484275/7		8260D			5 uL			5 uL		
IC 410-484275/8		8260D			15 uL			5 uL		
IC 410-484275/12		8260D							5 uL	
IC 410-484275/13		8260D				4 uL	3.2 uL		5 uL	
IC 410-484275/14		8260D				2 uL	1.6 uL		5 uL	
IC 410-484275/15		8260D				4 uL	3.2 uL		5 uL	
ICIS 410-484275/16		8260D				5 uL	4 uL		5 uL	
IC 410-484275/17		8260D				5 uL	4 uL		5 uL	
IC 410-484275/18		8260D				15 uL	12 uL		5 uL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-164755-1

SDG No.:

Batch Number: 484275 | Batch Start Date: 03/18/24 11:40 | Batch Analyst: Campbell, Miranda E

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_V5ACE 00034	MSV_CCV_VOC#1 00175	MSV_CCV_VOC#3 00171	MSV_Cent_ISO 00004	MSV_Cent_ISSS 00023	MSV_LCS_2CEVE 00163
ICV 410-484275/20		8260D							5 uL	50 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_ACROL 00159	MSV_LCS_CYC 00008	MSV_LCS_EE 00008	MSV_LCS_Gases 00189	MSV_LCS_OH_Sp 00011	MSV_LCS_VOC#1 00158
BFB 410-484275/1		8260D								
IC 410-484275/3		8260D								
IC 410-484275/4		8260D								
IC 410-484275/5		8260D								
IC 410-484275/6		8260D								
IC 410-484275/7		8260D								
IC 410-484275/8		8260D								
IC 410-484275/12		8260D								
IC 410-484275/13		8260D								
IC 410-484275/14		8260D								
IC 410-484275/15		8260D								
ICIS 410-484275/16		8260D								
IC 410-484275/17		8260D								
IC 410-484275/18		8260D								
ICV 410-484275/20		8260D			50 uL	50 uL	50 uL	50 uL	50 uL	50 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00016	MSV_V_SMFreon 00036				
BFB 410-484275/1		8260D			1 uL					
IC 410-484275/3		8260D				2 uL				
IC 410-484275/4		8260D				1 uL				
IC 410-484275/5		8260D				2 uL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-164755-1

SDG No.:

Batch Number: 484275 Batch Start Date: 03/18/24 11:40 Batch Analyst: Campbell, Miranda E

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00016	MSV_V_SMFreon 00036				
IC 410-484275/6		8260D				2.5 uL				
IC 410-484275/7		8260D				2.5 uL				
IC 410-484275/8		8260D				7.5 uL				
IC 410-484275/12		8260D								
IC 410-484275/13		8260D								
IC 410-484275/14		8260D								
IC 410-484275/15		8260D								
ICIS 410-484275/16		8260D								
IC 410-484275/17		8260D								
IC 410-484275/18		8260D								
ICV 410-484275/20		8260D								

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.: 410-164755-1

SDG No.:

Batch Number: 486390 | Batch Start Date: 03/22/24 19:59 | Batch Analyst: Campbell, Miranda E

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	Headspace	Lot#Vial
BFB 410-486390/1		8260D			1 uL	1 uL				
CCVIS 410-486390/3		8260D			5 mL	5 mL				2731
LCS 410-486390/4		8260D			5 mL	5 mL				2731
LCSD 410-486390/5		8260D			5 mL	5 mL				2731
MB 410-486390/7		8260D			5 mL	5 mL				2731
410-164755-A-5	Trip Blank	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-164755-A-1	HD-CW-21-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-164755-A-2	HD-CW-22-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-164755-A-3	HD-CW-23-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-164755-A-4	HD-SPBA-EFF-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_2CEVE 00167	MSV_CCV_GASES 00723	MSV_CCV_OH_Sp 00009	MSV_CCV_VOC#1 00175	MSV_CCV_VOC#3 00171	MSV_Cent_ISSS 00023
BFB 410-486390/1		8260D								
CCVIS 410-486390/3		8260D			5 uL	2.5 uL	5 uL	5 uL	4 uL	5 uL
LCS 410-486390/4		8260D								5 uL
LCSD 410-486390/5		8260D								5 uL
MB 410-486390/7		8260D								5 uL
410-164755-A-5	Trip Blank	8260D	Water	T						5 uL
410-164755-A-1	HD-CW-21-0/1-0	8260D	Water	T						5 uL
410-164755-A-2	HD-CW-22-0/1-0	8260D	Water	T						5 uL
410-164755-A-3	HD-CW-23-0/1-0	8260D	Water	T						5 uL
410-164755-A-4	HD-SPBA-EFF-0/1-0	8260D	Water	T						5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_Gases 00189	MSV_LCS_OH_Sp 00011	MSV_LCS_VOC#1 00158	MSV_V_BFB 00016		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-164755-1

SDG No.:

Batch Number: 486390 | Batch Start Date: 03/22/24 19:59 | Batch Analyst: Campbell, Miranda E

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_Gases 00189	MSV_LCS_OH_Sp 00011	MSV_LCS_VOC#1 00158	MSV_V_BFB 00016		
BFB 410-486390/1		8260D						1 uL		
CCVIS 410-486390/3		8260D								
LCS 410-486390/4		8260D			50 uL	50 uL	50 uL			
LCSD 410-486390/5		8260D			50 uL	50 uL	50 uL			
MB 410-486390/7		8260D								
410-164755-A-5	Trip Blank	8260D	Water	T						
410-164755-A-1	HD-CW-21-0/1-0	8260D	Water	T						
410-164755-A-2	HD-CW-22-0/1-0	8260D	Water	T						
410-164755-A-3	HD-CW-23-0/1-0	8260D	Water	T						
410-164755-A-4	HD-SPBA-EFF-0/1-0	8260D	Water	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

370472
HARRISBURG PA

eurofins Environment Analysis Request/Chain of Custody

410-164755 Chain of Custody

Lancaster Laboratories Environmental

Acct. # ______ Group # ______ Sample # ______

Client: Hydro-Terra Group	
Project Name/#: fYNOP Quarterly Event	Site ID #: fYNOP, York PA
Project Manager: Rodney Myers	P.O. #: 10012.42
Sampler: Emily Wade (HTG)	PWSID #: N/A
Phone #: 443-974-7978	Quote #:
State where samples were collected: York, PA	For Compliance: Yes ☐ No ☑

Matrix: Tissue ☐, Sediment ☐, Soil ☐; Water: Ground ☑, Surface ☐, Potable ☐, NPDES ☐; Other:

Analyses Requested — Preservation Codes: H — Aqueous VOCs via 8260D (standard level)

Sample Identification	Collection Date	Collection Time	Grab	Composite	Soil/Sediment/Tissue	Water	Other	Total # of Containers	Aqueous VOCs via 8260D (standard level) (H)
HD-CW-21-0/1-0	3/20/24	1130	X			X		3	X
HD-CW-22-0/1-0	3/20/24	1137	X			X		3	X
HD-CW-23-0/1-0	3/20/24	1143	X			X		3	X
HD-SPBA-EFF-0/1-0	3/20/24	1149	X			X		3	X
Trip Blank	—	—	X					2	X

For Lab Use Only
SF #: ______
SCR #: ______

Preservation Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 P = H_3PO_4
O = Other

Remarks

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed:
Rush results requested by (please check): E-Mail ☐ Phone ☐
E-mail Address:
Phone:

Relinquished by	Date	Time	Received by	Date	Time
Emily Wade [signature]	3/20/24	1358	R. W. [signature]	3/20/24	1358
R. W. [signature]	3/20/24	1510	[signature]	3/20/24	1510
[signature]	3/20/24	1710			
			[signature]	3/20/24	1710

Relinquished by Commercial Carrier:
UPS ______ FedEx ______ Other ______

Temperature upon receipt 3.0/3.1 °C

Data Package Options (please check if required)

Type I (Validation/non-CLP)	☐	MA MCP	☐
Type III (Reduced non-CLP)	☐	CT RCP	☐
Type VI (Raw Data Only)	☐	TX TRRP-13	☐
NJ DKQP	☐	NYSDEC Category	☐ A or ☐ B

EDD Required? Yes ☑ No ☐ If yes, format: CLP Like Deliverables, Project Specific Analyte List

Eurofins Lancaster Laboratories Environmental, LLC • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300

7045 0216

Login Sample Receipt Checklist

Client: Hydro-Terra Group

Job Number: 410-164755-1

Login Number: 164755

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Wrye, Shaun

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	