Ms. Jolene Lozewski, P.G.
New York State Department of Environmental Conservation
Division of Environmental Remediation
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Date: January 9, 2025
Our Ref: ARC86277
Subject: 2024 Groundwater Sampling Report
Von Roll Isola USA, Inc. (Riverview) Site
Rotterdam, New York
Site No.: 447005

Dear Ms. Lozewski,

On behalf of GE Aerospace, attached for your files is a revised 2024 Groundwater Sampling Report for the Von Roll Isola USA, Inc. property (formerly GE Riverview Plant) in Rotterdam, New York (New York State Department of Environmental Conservation [NYSDEC] Site No. 447005). The Report has been revised in accordance with the NYSDEC's and New York State Department of Health's comments dated December 17, 2024. Should you have any questions on this report, please contact me at (518) 514-8932, or Mr. Niel Walker from GE Aerospace at niel.walker@ge.com.

Sincerely,
Arcadis of New York, Inc.

Doug Weeks
Project Manager

Email: doug.weeks@arcadis.com
Mobile: 518 514 8932

CC. Niel Walker, GE Aerospace
Andrew Gibson, Arcadis
Harolyn Hood, NYSDOH
Matthew Gregory, Von Roll USA, Inc.

Enclosure

GE Aerospace

2024 Groundwater Sampling Report

Von Roll Isola USA, Inc. (Riverview) Site
Rotterdam, New York
Site No.: 447005

November 2024
Revised January 2025

2024 Groundwater Sampling Report

Von Roll Isola USA Inc. (Riverview) Site
Rotterdam, New York
Site No.: 447005

November 2024

Revised January 2025

Prepared By:
Arcadis U.S., Inc.
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Prepared For:
GE Aerospace
Schenectady, New York

Our Ref:
ARC86277

Contents

1 Introduction 1
2 Groundwater Sampling and Analysis 1
3 Groundwater Analytical Results 2
4 References 3

Table

Table 1 2024 Groundwater Analytical Data Summary

Figures

Figure 1 Site Location Map
Figure 2 Site Plan
Figure 3 Overburden Potentiometric Surface Elevation Contours – March 18, 2024
Figure 4 2024 Groundwater Sampling Analytical Results – Select VOCs
Figure 5 Historical Groundwater Sampling Analytical Results – Select VOCs
Figure 6 Historical Groundwater Sampling Analytical Results – Select VOCs (VRI-1 Area)

Appendices

Appendix A. Groundwater Sampling Event Field Data Sheets
Appendix B. 2024 Groundwater Sampling - Laboratory Analytical Report
Appendix C. Data Usability Summary Report

1 Introduction

The General Electric Company (GE) entered into an Order on Consent with the New York State Department of Environmental Conservation (NYSDEC) in December 2013 to investigate and remediate portions of the Von Roll Isola USA, Inc. site (the Riverview Site, or Site) located in Rotterdam, Schenectady County, New York (NYSDEC vs. GE, 2013). The Riverview Site is identified as a portion of Block 2 and Lot 2 on the Rotterdam, NY Tax Map ID #48.-2-8.2. The Site encompasses a 22.12-acre area bounded by a steep embankment and the Delaware and Hudson (D&H) Railroad to the north, Campbell Road and the Town of Rotterdam publicly owned treatment works (POTW) and Campbell Plastics to the south, residential areas to the east, and the D&H Railroad and Rotterdam Square Mall to the west. A Site Location Map is presented as **Figure 1**. A Site Plan is presented as **Figure 2**.

In February 2014, a Remedial Design/Remedial Action (RD/RA) Work Plan detailing the implementation of the remedial alternative for the Site was finalized (Conestoga Rovers & Associates [CRA] 2014). The selected remedy included the following components: in-situ chemical oxidation (ISCO) involving injections of sodium persulfate to treat volatile organic compounds (VOCs) in the soil and groundwater, post-injection groundwater monitoring to assess the performance of the injections, execution and recording of an Environmental Easement to restrict groundwater use and prevent future exposure to remaining impacts at the Site, and the development and implementation of a Site Management Plan (SMP). The first of two rounds of ISCO injections were completed in August 2014, and the second round was completed in April 2015, as detailed in the Draft Final Engineering Report (CB&I 2015). The SMP, which details the protocols for management of remaining Site impacts, is currently under review by NYSDEC (Arcadis 2017).

The groundwater sampling event conducted in 2019 constituted the final monitoring event specified under the NYSDEC-approved RD/RA Work Plan (CRA 2014). However, in the 2019 Annual Groundwater Sampling Report (Arcadis 2019), GE recommended continuation of the annual groundwater monitoring program to include a round of water level gauging at all accessible site wells and sampling at a subset of nine wells (injection wells IW-3 and IW-6, and monitoring wells VRI-1, VRI-3, VRI-4, VRI-9, GT-9R, GT-14, GT-16). Accordingly, groundwater monitoring was completed at the Site in 2020 and 2021 per the recommendations presented in the 2019 report.

On September 13, 2022, GE received a letter from NYSDEC indicating their concurrence with the recommendation to continue the groundwater monitoring program and requesting that the sampling frequency be reduced to every fifth quarter to assess the potential for seasonal fluctuations in contaminant concentrations. This 2024 Groundwater Sampling Report (Report) presents the results of groundwater sampling conducted at the Site in March 2024 (as well as a summary of the historical groundwater data for the Site).

2 Groundwater Sampling and Analysis

The 2024 groundwater sampling event was conducted by Arcadis, on behalf of GE, on March 18 and March 19, 2024. Nine groundwater samples were collected from seven monitoring wells (VRI-1, VRI-3, VRI-4, VRI-10, GT-9R, GT-14, GT-16) and two injection wells (IW-3 and IW-6) for VOC analyses. The monitoring well and injection well locations are shown on **Figure 3**.

Prior to sampling, each accessible well was gauged using a water level meter, and depth to water and depth to bottom measurements were recorded to the nearest 0.01 foot from the top of the well casing.

Consistent with prior years' observations, monitoring well VRI-2 is buried beneath large piles of trees and vegetation which had been previously cleared by others from within the nearby power line right-of-way; as a result VRI-2 could not be accessed for water level gauging in 2024 and could be destroyed. During the 2024 sampling event Arcadis also discovered that VRI-9 has been buried or destroyed due to earthwork occurring on the adjacent property. VRI-10 was selected as an alternate upgradient well to be sampled in lieu of VRI-9.

In addition, Arcadis noted that monitoring well GT-10 had been damaged since the last sampling event. The well casing was struck and is bent over and therefore was not in a usable condition for purposes of measuring a groundwater elevation. The 2024 measured groundwater elevations and potentiometric surface contours are shown in **Figure 3**.

Monitoring wells to be sampled were pumped for 30 minutes or until field parameters stabilized, whichever was longer. Sampling was performed using a QED Sample Pro MicroPurge Pump and polyethylene bonded tubing. Groundwater geochemical field parameter data were measured and recorded on field data sheets prior to sample collection. These field parameters included temperature, potential hydrogen (pH), conductivity, oxidation-reduction potential, dissolved oxygen, and turbidity (as measured using a Horiba multi-parameter system with a flow-through cell). Purge water was collected in a labeled 55-gallon drum and staged on-site for subsequent off-site disposal. The water level meter and other applicable equipment was decontaminated between well locations (i.e., scrubbed using non-phosphate soap and rinsed with distilled water).

Once the field parameters had stabilized, groundwater samples were collected in pre-cleaned, preserved sample containers provided by the laboratory (Eurofins in Amherst, NY). Eurofins is a National Environmental Laboratory Accreditation Program (NELAP)-certified laboratory. Quality Assurance/Quality Control (QA/QC) samples included one Matrix Spike/Matrix Spike Duplicate (MS/MSD) pair collected from IW-3, one blind field duplicate sample collected from VRI-1, one field blank, and one trip blank (prepared by Eurofins). The completed field data sheets are included in **Appendix A**. Samples were labeled, packed on ice, and delivered under chain-of-custody (COC) to Eurofins for analysis. Samples were analyzed for Target Compound List (TCL) VOCs, as well as several non-standard VOCs of interest (1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, isopropylbenzene, and n-propylbenzene), via United States Environmental Protection Agency (USEPA) Method 8260C. A copy of the COC documentation is provided in the laboratory analytical report provided in **Appendix B**.

3 Groundwater Analytical Results

The analytical results for the 2024 groundwater sampling event are summarized in **Table 1** and in **Figure 4**. A copy of the complete laboratory analytical report is provided in **Appendix B,** and the data will be provided to NYSDEC electronically using the EQuIS database. The groundwater data were validated by Arcadis and a Data Usability Summary Report (DUSR) was prepared and is presented in **Appendix C**. All the data are considered valid and useable.

The 2024 groundwater VOC data are presented, along with historical VOC sampling results, on **Figures 5 and 6.** Analytical results for VOCs were compared to the New York State Ambient Water Quality Standards and Guidance Values, as defined in the Division of Water Technical and Operational Guidance Series (TOGS 1.1.1; NYSDEC 1998). Downgradient perimeter monitoring wells GT-9R, GT-14, VRI-3, and VRI-4 exhibited no detections for VOCs in 2024. There were no exceedances of any individual water quality standards at monitoring wells GT-9R, GT-14, GR-16, VRI-3, VRI-4, and VRI-10. Consistent with the results from prior sampling events, the VOC compounds

1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and total xylenes were detected at levels exceeding the NYS Ambient Water Quality Standards in IW-3, IW-6 and VRI-1. Isopropylbenzene, n-propylbenzene, and styrene were also detected at concentrations exceeding the NYS Ambient Water Quality Standards in IW-6 and VRI-1. Finally, ethylbenzene was detected at a concentration exceeding the NYS Ambient Water Quality Standard in IW-6 (**Table 1**).

Consistent with NYSDEC's recommendation for sampling every fifth quarter, the next groundwater sampling event at the site will be conducted in the second quarter of 2025. Groundwater elevations will be measured at all accessible Site wells, and sampling will be conducted at injection wells IW-3 and IW-6, and monitoring wells VRI-1, VRI-3, VRI-4, VRI-10, GT-9R, GT-14, GT-16). VRI-9 will be sampled in lieu of VRI-10 if it can be located and is in a usable condition. The data from the 2025 sampling event will be provided to NYSDEC in a 2025 Groundwater Sampling Report and electronically via EQuIS database.

Prior to the 2025 sampling event GE will further assess the damage to well GT-10 to determine whether it can be repaired or requires decommissioning.

4 References

Arcadis. 2017. Draft Site Management Plan. Prepared for GE-Corporate Environmental Programs, Von Roll Site, Schenectady, NY. September.

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New York State Department of Environmental Conservation. 2022. Correspondence. Site # 447005 Von Roll Isola USA Inc. GE Riverview Facility; Annual Groundwater Report - 2020 and 2021; Order on Consent #A4-0800-12-12. September 12.

New York State Department of Environmental Conservation vs. General Electric Company. 2013. Order on Consent and Administrative Settlement, Index #4A-0800-12-12-. Site #447005. December 16.

O'Brien & Gere Engineers, Inc. 1998. Summary Report Riverview Facility Schenectady, New York. Prepared for General Electric Company. July.

Table

Table 1
2024 Groundwater Analytical Summary
2024 Annual Groundwater Sampling Report
Von Roll Isola USA, Inc. (Riverview)
Rotterdam, New York

Location ID: / Date Collected:	CAS Number	NYSDEC TOGS 1 1 1 (GW Standard)	Units	GT-9R 3/18/2024	GT-14 3/19/2024	GT-16 3/18/2024	IW-3 3/19/2024	IW-6 3/19/2024	VRI-1 3/19/2024	VRI-3 3/19/2024	VRI-4 3/19/2024	VRI-10 3/19/2024
Volatile Organics												
1,1,1-Trichloroethane	71-55-6	5	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	5	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	79-00-5	1	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	75-34-3	5	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	75-35-4	5	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzene	95-63-6	5	ug/l	1.0 U	1.0 U	1.0 U	**29 J**	**11000**	**4100 [4200]**	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	106-93-4	0.0006	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	95-50-1	3	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	107-06-2	0.6	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	78-87-5	1	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene	108-67-8	5	ug/l	1.0 U	1.0 U	1.0 U	**24 J**	**4000**	**3300 [3300]**	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	541-73-1	3	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	106-46-7	3	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	78-93-3	50	ug/l	10 U	10 U	10 U	10 U	2000 U	1000 U [1000 U]	10 U	10 U	10 U
4-Methyl-2-Pentanone	108-10-1	- -	ug/l	5.0 U	5.0 U	5.0 U	5.0 U	1000 U	500 U [500 U]	5.0 U	5.0 U	5.0 UJ
Acetone	67-64-1	50	ug/l	10 U	10 U	10 U	10 U	2000 U	1000 U [1000 U]	10 U	10 U	10 U
Benzene	71-43-2	1	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
Bromodichloromethane	75-27-4	50	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
Bromoform	75-25-2	50	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
Bromomethane	74-83-9	5	ug/l	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	200 UJ	100 UJ [100 UJ]	1.0 UJ	1.0 UJ	1.0 U
Carbon Disulfide	75-15-0	60	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	56-23-5	5	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
CFC-11	75-69-4	5	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
CFC-12	75-71-8	5	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
Chlorobenzene	108-90-7	5	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
Chlorodibromomethane	124-48-1	50	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
Chloroethane	75-00-3	5	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
Chloroform	67-66-3	7	ug/l	1.0 U	1.0 U	1.4	0.35 J	200 U	100 U [100 U]	1.0 U	1.0 U	0.53 J
Chloromethane	74-87-3	5	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	156-59-2	5	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
Cyclohexane	110-82-7	- -	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
Dichloromethane	75-09-2	5	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
Ethylbenzene	100-41-4	5	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	**150 J**	100 U [100 U]	1.0 U	1.0 U	1.0 U
Isopropylbenzene	98-82-8	5	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	**830**	**160 [150]**	1.0 U	1.0 U	1.0 U
Methyl Acetate	79-20-9	- -	ug/l	2.5 U	2.5 U	2.5 U	2.5 U	500 U	250 U [250 U]	2.5 U	2.5 U	2.5 U
Methyl N-Butyl Ketone (2-Hexanone)	591-78-6	50	ug/l	5.0 U	5.0 U	5.0 U	5.0 U	1000 U	500 U [500 U]	5.0 U	5.0 U	5.0 UJ
Methylcyclohexane	108-87-2	- -	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
Methyl-tert-butylether	1634-04-4	10	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
n-Propylbenzene	103-65-1	5	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	**1000**	**110 [110]**	1.0 U	1.0 U	1.0 U
Styrene (Monomer)	100-42-5	5	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	**260**	**160 [160]**	1.0 U	1.0 U	1.0 U
Tetrachloroethene	127-18-4	5	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
Toluene	108-88-3	5	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
Total Xylenes	1330-20-7	5	ug/l	2.0 U	2.0 U	2.0 U	**11 J**	**9700**	**5400 [5300]**	2.0 U	2.0 U	2.0 U
trans-1,2-Dichloroethene	156-60-5	5	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	10061-02-6	0.4	ug/l	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	200 UJ	100 UJ [100 UJ]	1.0 UJ	1.0 UJ	1.0 U
Trichloroethene	79-01-6	5	ug/l	1.0 U	1.0 U	1.6	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U
Vinyl chloride	75-01-4	2	ug/l	1.0 U	1.0 U	1.0 U	1.0 U	200 U	100 U [100 U]	1.0 U	1.0 U	1.0 U

See notes on page 2.

Table 1
2022 Groundwater Analytical Summary
2022 Annual Groundwater Sampling Report
Von Roll Isola USA, Inc. (Riverview)
Rotterdam, New York

Notes:

1. Samples were collected by Arcadis of New York, Inc. and submitted to Eurofins Environmental Testing for analysis.
2. Field duplicate sample results are presented in brackets.
3. Gray shading and bolded text indicates detection exceeding the NYS Ambient Water Quality Standards and Guidance Values, defined in TOGS 1.1.1

Data Qualifiers:

J - Indicates an estimated value.

U - The analyte was not detected. The associated value is the analyte quantitation limit.

UJ - The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

Figures

ROTTERDAM SQUARE MALL

DELAWARE AND HUDSON (D&H) RAILROAD

RIVERVIEW
SITE 447005

337

TOWN OF ROTTERDAM PUBLICLY OWNED TREATMENT WORKS (POTW)

W Campbell Rd

17th St

RESIDENTIAL AREA

0 300' 600'

GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
VON ROLL ISOLA USA, INC. PROPERTY (RIVERVIEW SITE)
ROTTERDAM, NEW YORK

SITE LOCATION MAP

ARCADIS

FIGURE
1

C:\Users\jposenauer\DC\ACCDocs\Arcadis ACC USA\US-99999999-GE_RIVERVIEW_ROTTERDAM_NY\Project Files\10_WIP\10T_ARC_ENV\2025\01-DWG\GEN-F01-AERIAL SITE LOCATION.dwg LAYOUT: 1 SAVED: 1/6/2025 4:07 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: C-LB-PDF
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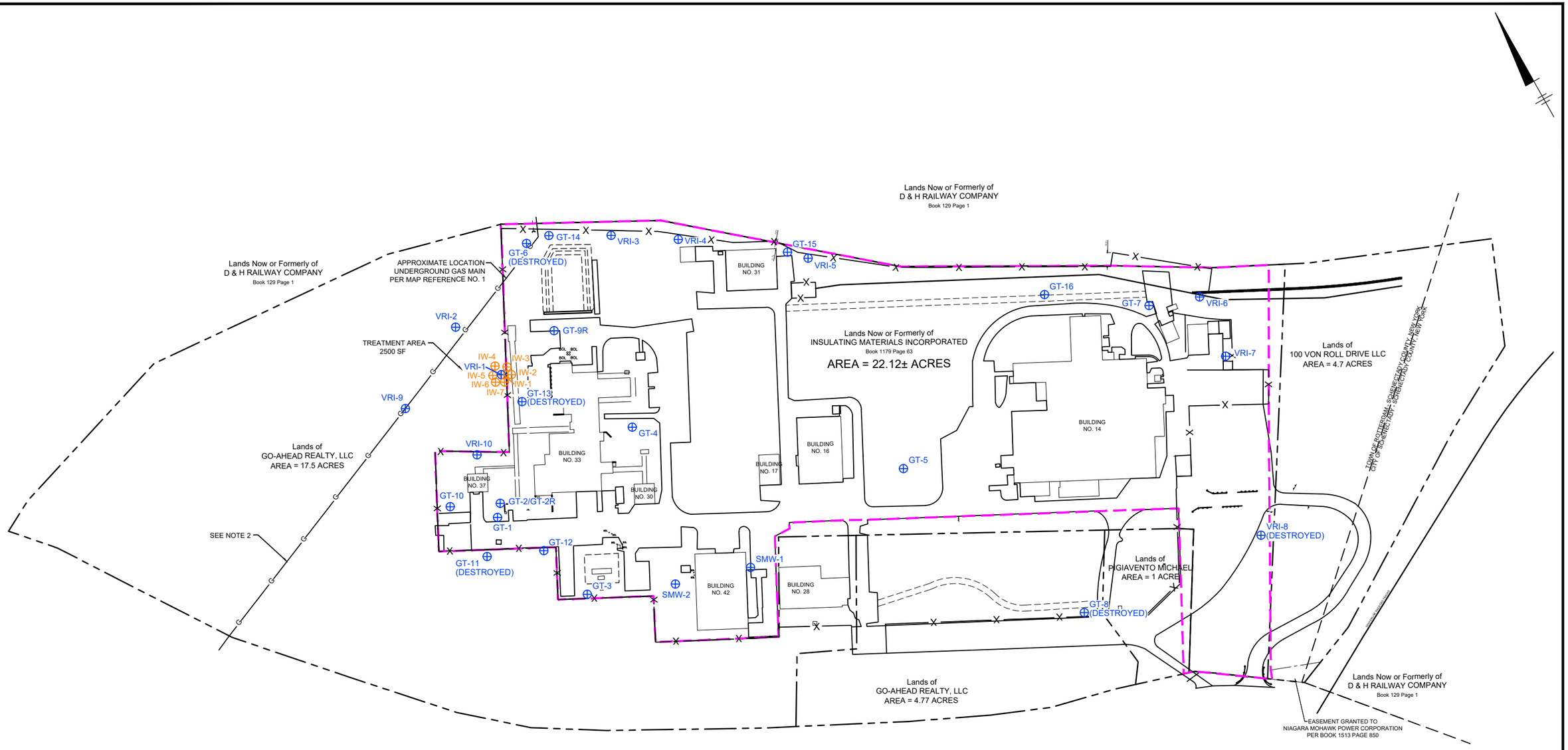

NOTES:

1. ALL PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE.
2. GAS LINE IS BELIEVED TO HAVE BEEN PARTIALLY OR COMPLETELY REMOVED. STATUS CURRENTLY UNCLEAR.
3. MONITORING WELL VRI-9 COULD NOT BE LOCATED DURING THE 2024 SAMPLING EVENT. IT IS BELIEVED TO BE BURIED OR DESTROYED.

LEGEND:

- APPROXIMATE VON ROLL ISOLA USA, INC. PROPERTY BOUNDARY
- PROPERTY BOUNDARY LINE
- CHAIN LINK FENCE
- BUILDING
- GAS
- GROUNDWATER MONITORING WELL
- ISCO INJECTION WELL

0 200' 400'

GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
VON ROLL ISOLA USA, INC. PROPERTY (RIVERVIEW SITE)
ROTTERDAM, NEW YORK

SITE PLAN

ARCADIS

FIGURE 2

C:\Users\lposenauer\DC\ACCDocs\Arcadis ACC US\AUS-99999999-GE_RIVERVIEW_ROTTERDAM_NY\Project Files\10_WIP\10T_ARC_ENV\2025\01-DWG\GEN-F02-SITE PLAN.dwg LAYOUT: 2 SAVED: 1/6/2025 4:11 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: C-LB-PDF PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/7/2025 3:13 PM BY: POSENAUER, LISA
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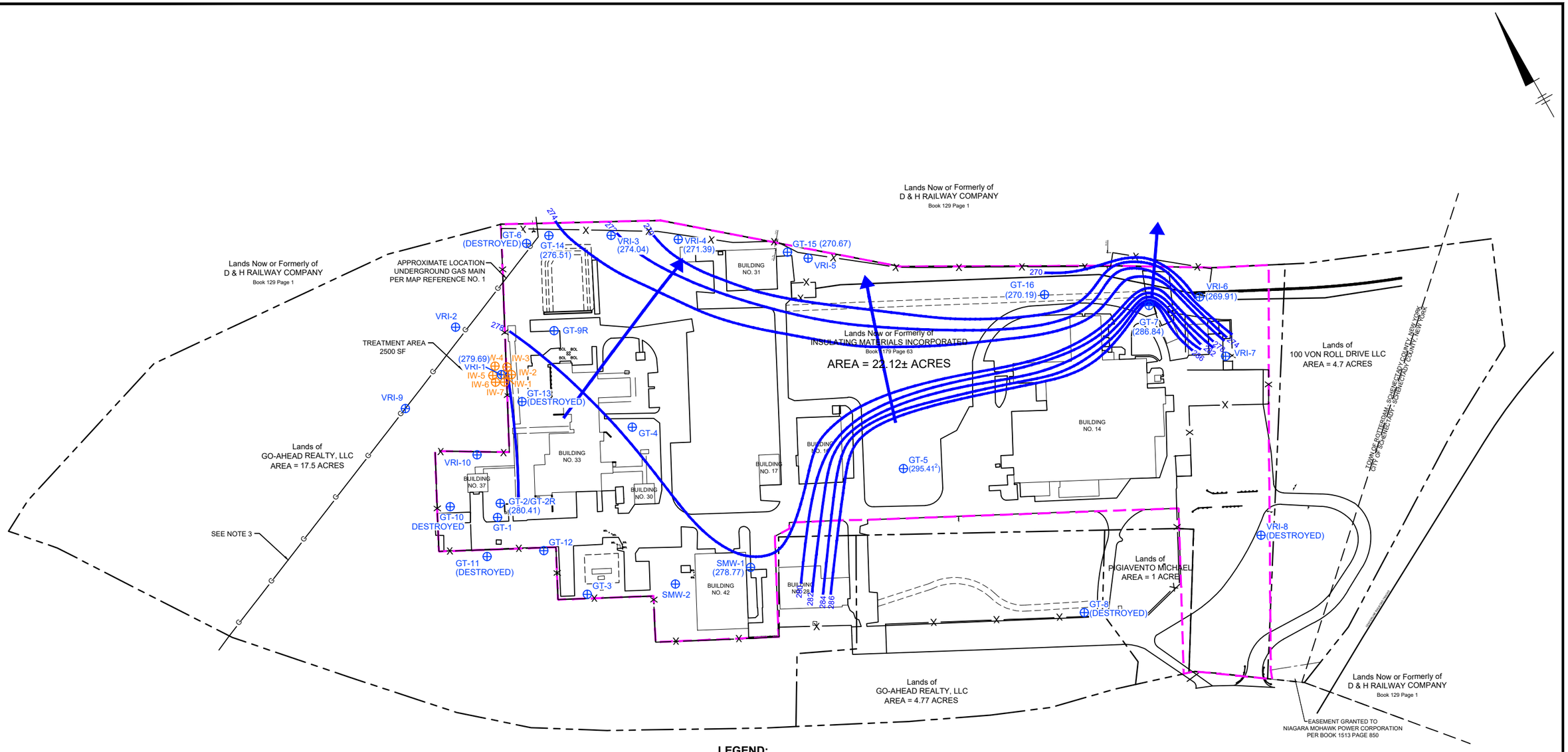
GEN-X-BASE



NOTES:

1. ALL PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE.
2. THE GROUNDWATER ELEVATION MEASURED AT GT-5 ON MARCH 18, 2024 IS APPROXIMATELY 11 FEET HIGHER THAN THE ELEVATION HISTORICALLY OBSERVED AT THIS LOCATION. THE ELEVATION IS NOT INTERPRETED IN THE CONTOURING DUE TO POTENTIAL MEASUREMENT ERROR.
3. GAS LINE IS BELIEVED TO HAVE BEEN PARTIALLY OR COMPLETELY REMOVED. STATUS CURRENTLY UNCLEAR.
4. MONITORING WELL VRI-9 COULD NOT BE LOCATED DURING THE 2024 SAMPLING EVENT. IT IS BELIEVED TO BE BURIED OR DESTROYED.

LEGEND:

- APPROXIMATE VON ROLL ISOLA USA, INC. PROPERTY BOUNDARY
- PROPERTY BOUNDARY LINE
- X — CHAIN LINK FENCE
- BUILDING
- G — GAS
- ⊕ GROUNDWATER MONITORING WELL
- ⊕ ISCO INJECTION WELL
- (278.77) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (FT, AMSL)
- POTENTIOMETRIC SURFACE CONTOUR (FT, AMSL)
- GROUNDWATER FLOW DIRECTION

0 200' 400'

GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
VON ROLL ISOLA USA, INC. PROPERTY (RIVERVIEW SITE)
ROTTERDAM, NEW YORK

OVERBURDEN POTENTIOMETRIC SURFACE ELEVATION CONTOURS MARCH 18, 2024

ARCADIS

FIGURE 3

C:\Users\lposenauer\DOCACCDocs\Arcadis ACC US\AUS-99999999-GE_RIVERVIEW_ROTTERDAM_NY\Project Files\10_WIP\10T_ARC_ENV\2025\01-DWG\GWM-2024Q1-F03-OVB GWE.dwg LAYOUT: 3 SAVED: 1/6/2025 4:13 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: C-LB-PDF PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/7/2025 3:13 PM BY: POSENAUER, LISA
XREFS:
GEN-X-BASE

GT-9R	
Date	3/18/2024
Ethylbenzene	1.0 U
Dichloromethane	1.0 U
Total Xylenes	2.0 U
1,3,5-Trimethylbenzene	1.0 U
1,2,4-Trimethylbenzene	1.0 U
Isopropylbenzene	1.0 U
n-Propylbenzene	1.0 U
Trichloroethene	1.0 U
Acetone	10 U
pH	8.59

GT-14	
Date	3/19/2024
Ethylbenzene	1.0 U
Dichloromethane	1.0 U
Total Xylenes	2.0 U
1,3,5-Trimethylbenzene	1.0 U
1,2,4-Trimethylbenzene	1.0 U
Isopropylbenzene	1.0 U
n-Propylbenzene	1.0 U
Trichloroethene	1.0 U
Acetone	10 U
pH	7.05

VRI-4	
Date	3/19/2024
Ethylbenzene	1.0 U
Dichloromethane	1.0 U
Total Xylenes	2.0 U
1,3,5-Trimethylbenzene	1.0 U
1,2,4-Trimethylbenzene	1.0 U
Isopropylbenzene	1.0 U
n-Propylbenzene	1.0 U
Trichloroethene	1.0 U
Acetone	10 U
pH	7.07

GT-16	
Date	3/18/2024
Ethylbenzene	1.0 U
Dichloromethane	1.0 U
Total Xylenes	2.0 U
1,3,5-Trimethylbenzene	1.0 U
1,2,4-Trimethylbenzene	1.0 U
Isopropylbenzene	1.0 U
n-Propylbenzene	1.0 U
Trichloroethene	1.6
Acetone	10 U
pH	8.56

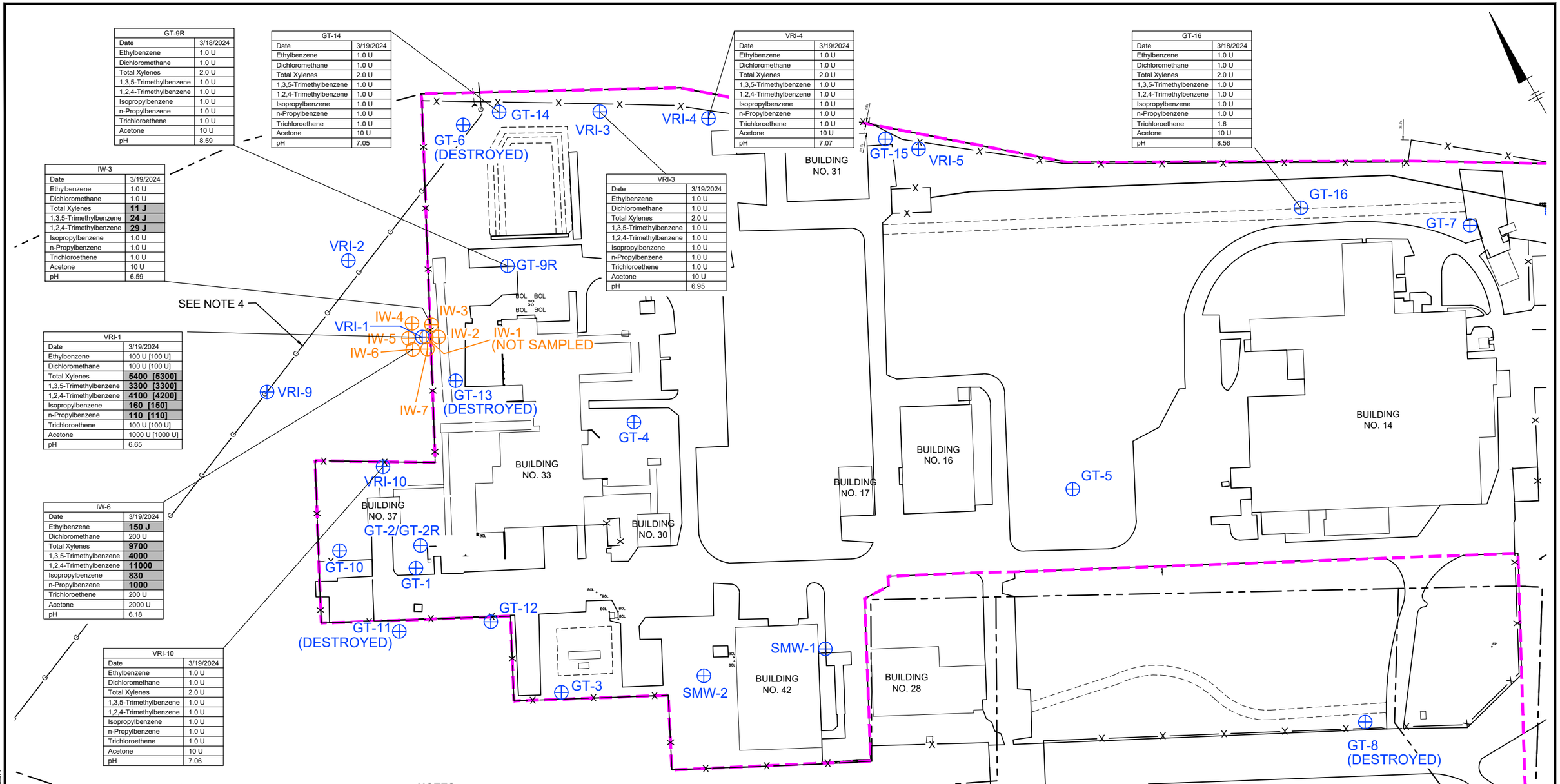
IW-3	
Date	3/19/2024
Ethylbenzene	1.0 U
Dichloromethane	1.0 U
Total Xylenes	**11 J**
1,3,5-Trimethylbenzene	**24 J**
1,2,4-Trimethylbenzene	**29 J**
Isopropylbenzene	1.0 U
n-Propylbenzene	1.0 U
Trichloroethene	1.0 U
Acetone	10 U
pH	6.59

VRI-3	
Date	3/19/2024
Ethylbenzene	1.0 U
Dichloromethane	1.0 U
Total Xylenes	2.0 U
1,3,5-Trimethylbenzene	1.0 U
1,2,4-Trimethylbenzene	1.0 U
Isopropylbenzene	1.0 U
n-Propylbenzene	1.0 U
Trichloroethene	1.0 U
Acetone	10 U
pH	6.95

VRI-1	
Date	3/19/2024
Ethylbenzene	100 U [100 U]
Dichloromethane	100 U [100 U]
Total Xylenes	**5400 [5300]**
1,3,5-Trimethylbenzene	**3300 [3300]**
1,2,4-Trimethylbenzene	**4100 [4200]**
Isopropylbenzene	**160 [150]**
n-Propylbenzene	**110 [110]**
Trichloroethene	100 U [100 U]
Acetone	1000 U [1000 U]
pH	6.65

IW-6	
Date	3/19/2024
Ethylbenzene	**150 J**
Dichloromethane	200 U
Total Xylenes	**9700**
1,3,5-Trimethylbenzene	**4000**
1,2,4-Trimethylbenzene	**11000**
Isopropylbenzene	**830**
n-Propylbenzene	**1000**
Trichloroethene	200 U
Acetone	2000 U
pH	6.18

VRI-10	
Date	3/19/2024
Ethylbenzene	1.0 U
Dichloromethane	1.0 U
Total Xylenes	2.0 U
1,3,5-Trimethylbenzene	1.0 U
1,2,4-Trimethylbenzene	1.0 U
Isopropylbenzene	1.0 U
n-Propylbenzene	1.0 U
Trichloroethene	1.0 U
Acetone	10 U
pH	7.06



LEGEND:

- APPROXIMATE VON ROLL ISOLA USA, INC. PROPERTY BOUNDARY
- PROPERTY BOUNDARY LINE
- CHAIN LINK FENCE
- BUILDING
- GAS
- GROUNDWATER MONITORING WELL
- ISCO INJECTION WELL

NOTES:

1. IN THE ANALYTICAL RESULTS, BOLD FONT AND GRAY SHADING INDICATES THAT THE DETECTED CONCENTRATION EXCEEDS THE APPLICABLE NYSDEC SCREENING CRITERIA (SEE TABLE AT RIGHT). "U" INDICATES THAT THE COMPOUND WAS NOT DETECTED. "J" INDICATES THAT THE COMPOUND WAS POSITIVELY IDENTIFIED; HOWEVER, THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED CONCENTRATION ONLY
2. ONLY ANALYTICAL RESULTS FROM THE 20242 ANNUAL SAMPLING EVENT ARE SHOWN ON THIS FIGURE. SEE FIGURE 4 FOR HISTORICAL SAMPLING RESULTS.
3. NEW YORK STATE AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES AS DEFINED IN THE DIVISION OF WATER TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1.
4. GAS LINE IS BELIEVED TO HAVE BEEN PARTIALLY OR COMPLETELY REMOVED. STATUS CURRENTLY UNCLEAR.
5. MONITORING WELL VRI-9 COULD NOT BE LOCATED DURING THE 2024 SAMPLING EVENT. IT IS BELIEVED TO BE BURIED OR DESTROYED.

COMPOUND	UNITS	NYSDEC CRITERIA (SEE NOTE 3)
Ethylbenzene	ug/L	5
Dichloromethane	ug/L	5
Xylene (total)	ug/L	5
1,3,5-Trimethylbenzene	ug/L	5
1,2,4-Trimethylbenzene	ug/L	5
Isopropylbenzene	ug/L	5
n-Propylbenzene	ug/L	5
Trichloroethene (TCE)	ug/L	5
Acetone	ug/L	50

GENERAL ELECTRIC COMPANY
VON ROLL ISOLA USA, INC. PROPERTY (RIVERVIEW SITE)
ROTTERDAM, NEW YORK

2024 GROUNDWATER SAMPLING ANALYTICAL RESULTS - SELECT VOCs

ARCADIS

FIGURE 4

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XREFS:
GEN-X-BASE

C:\Users\lposenauer\DC\ACCDocs\Arcadis ACC US\AUS-99999999-GE_RIVERVIEW_ROTTERDAM_NY\Project Files\10_WIP\10T_ARC_ENV\2025\01-DWG\GWM-2024Q1-F05-GWA VOCs HISTORICAL.dwg LAYOUT: 5 SAVED: 1/7/2025 3:12 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: C-LB-PDF
PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/7/2025 3:13 PM BY: POSENAUER, LISA
XREFS:
GEN-X-BASE

VRI-2

Date	8/14/2014	12/22/2014	8/20/2015	8/20/2015	2/16/2016	8/15/2016	5/10/2017	5/31/2018	5/2/2019
Ethylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Dichloromethane	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Xylene (total)	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	2.0U	2.0U	2.0U
1,3,5-Trimethylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,2,4-Trimethylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Isopropylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
n-Propylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
pH	7.56	7.94	7.53	7.53	7.47	6.79	7.21	7.29	7.09

VRI-3

Date	9/30/2009	10/12/2011	12/5/2011	2/22/2016	8/17/2016	5/10/2017	5/31/2018	5/2/2019	10/20/2020	9/1/2021	12/2/2022	3/19/2024
Ethylbenzene				1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0U	1.0U
Dichloromethane				1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0U	1.0U
Xylene (total)				3.0U	3.0U	2.0U	2.0U	2.0U	2.0U	4.0U	2.0U	2.0U
1,3,5-Trimethylbenzene	**11**	-	-	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0U	1.0U
1,2,4-Trimethylbenzene	**15**	-	-	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0U	1.0U
Isopropylbenzene	**84**	**6**	**6.5**	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0U	1.0U
n-Propylbenzene	**13**	-	-	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0U	1.0U
Acetone					5.0UJ	3.0J	10U	10U	10U	20U	10UJ	10U
pH				7.25	6.77	6.89	7.17	7.02	6.86	7.51	6.92	6.95

VRI-4

Date	2/19/2016	8/17/2016	5/10/2017	10/20/2020	9/1/2021	12/2/2022	3/19/2024
Ethylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Dichloromethane	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Xylene (total)	3.0U	3.0U	2.0U	2.0U	2.0U	2.0U	2.0U
1,3,5-Trimethylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,2,4-Trimethylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Isopropylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
n-Propylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Acetone		2.0J	3.7J	10U	10U	10UJ	10U
pH	7.58	7.41	7.71	6.86	7.27	6.95	7.07

GT-15

Date	12/6/2011	2/19/2016	8/17/2016	5/10/2017	5/31/2018	5/3/2019
Ethylbenzene		1.0U	1.0U	1.0U	1.0U	1.0U
Dichloromethane		1.0U	1.0U	1.0U	1.0U	1.0U
Xylene (total)		3.0U	3.0U	2.3	2.0U	2.0UF1
1,3,5-Trimethylbenzene		1.0U	1.0U	1.7	1.0U	1.0U
1,2,4-Trimethylbenzene		1.0U	1.0U	2.3	1.0U	1.0U
Isopropylbenzene		1.0U	1.0U	1.0U	1.0U	1.0U
n-Propylbenzene		1.0U	1.0U	1.0U	1.0U	1.0U
Trichloroethene (TCE)	-	2.2	4	3.5	1.0U	3.4F1
pH		7.6	7.52	9.49	8.1	7.23

VRI-9

Date	10/12/2011	12/7/2011	2/17/2016	8/15/2016	5/10/2017	6/1/2018	5/3/2019	10/19/2020	9/1/2021	12/1/2022
Ethylbenzene			1.0U	1.0U	1.0UJ	2.0U	1.0U	2.0U	2.0U	1.0U
Dichloromethane			1.0U	1.0U	1.0UJ	2.0U	1.0U	2.0U	3.3UB	1.0U
Xylene (total)			3.0U	3.0U	3.1J	4.0U	**11**	4.0U	4.0U	0.85J
1,3,5-Trimethylbenzene			1.0U	1.0U	2.5J	2.0U	**7.7**	2.0U	2.0U	1.8
1,2,4-Trimethylbenzene			1.0U	1.0U	3.5J	2.0U	**18**	2.0U	2.0U	3.7
Isopropylbenzene			1.0U	1.0U	1.0UJ	2.0U	1	2.0U	2.0U	1.0U
n-Propylbenzene			1.0U	1.0U	1.0UJ	2.0U	1.5	2.0U	2.0U	1.0U
Chloroform	**8.3**	-	1.0U	1.0U	1.0UJ	2.0U	1.0U	2.0U	2.0U	1.0U
Acetone				5.0UJ	5.7J	20U	10U	20U	20U	10UJ
pH			7.34	6.83	6.78	7.29	6.14	7.23	6.78	6.82

GT-14

Date	2/22/2016	8/17/2016	5/10/2017	5/31/2018	5/2/2019	10/20/2020	9/1/2021	12/2/2022	3/19/2024
Ethylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0U	1.0U
Dichloromethane	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0U	1.0U
Xylene (total)	3.0U	3.0U	1.6J	2.0U	1.0U	2.0U	4.0U	2.0U	2.0U
1,3,5-Trimethylbenzene	1.0U	1.0U	1.6	1.0U	1.0U	1.0U	2.0U	1.0U	1.0U
1,2,4-Trimethylbenzene	1.0U	1.0U	2.1	1.0U	1.0U	1.0U	2.0U	1.0U	1.0U
Isopropylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0U	1.0U
n-Propylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0U	1.0U
Acetone			10U	2.0U	10U	10U	20U	10UJ	10U

GT-9R

Date	10/16/2001	4/2/2002	12/9/2011	12/22/2014	8/20/2015	2/16/2016	8/17/2016	5/10/2017	6/1/2018	5/3/2019	10/20/2020	8/31/2021	12/2/2022	3/18/2024
Ethylbenzene	-		-	1.0U	1.0U	1.0U	1.0U	1.0U	4.0U [4.0U]	4.0U	2.0U	1.0U	1.0U	1.0U
Dichloromethane	-	**8.4**	-	1.0U	1.0U	1.0U	1.0U	1.0U	4.0U [4.0U]	4.0U	2.0U	1.0U	1.0U	1.0U
Xylene (total)	**8.2**	**96**	-	3.0U	3.0U	3.0U	3.0U	2.0U	**180 [200]**	**8.8**	4.0U	**15**		
2.0U	2.0U													
1,3,5-Trimethylbenzene	NS	**230**	-	1.0U	1.0U	1.0U	1.0U	1.0U	**180J [190]**	**8.8**	2.0U	**17**		
1.0U	1.0U													
1,2,4-Trimethylbenzene	NS	**380J**	-	1.0U	1.0U	1.0U	1.0U	1.0U	**180J [190]**	**8.3**	2.0U	**15**	1.0U	1.0U
Isopropylbenzene	NS	**69**	-	1.0U	1.0U	1.0U	1.0U	1.0U	**63 [69]**	4.0U	2.0U	2.5	1.0U	1.0U
n-Propylbenzene	NS	**62**	-	1.0U	1.0U	1.0U	1.0U	1.0U	**23 [23]**	4.0U	2.0U	2	1.0U	1.0U
Acetone							5.0UJ	3.1J	48 [48]	40U	20U	10UJ	10U	
pH				7.59	7.36	7.12	6.75	8.48	9.91	6.83	6.79	8.09	7.27	8.59

GT-7

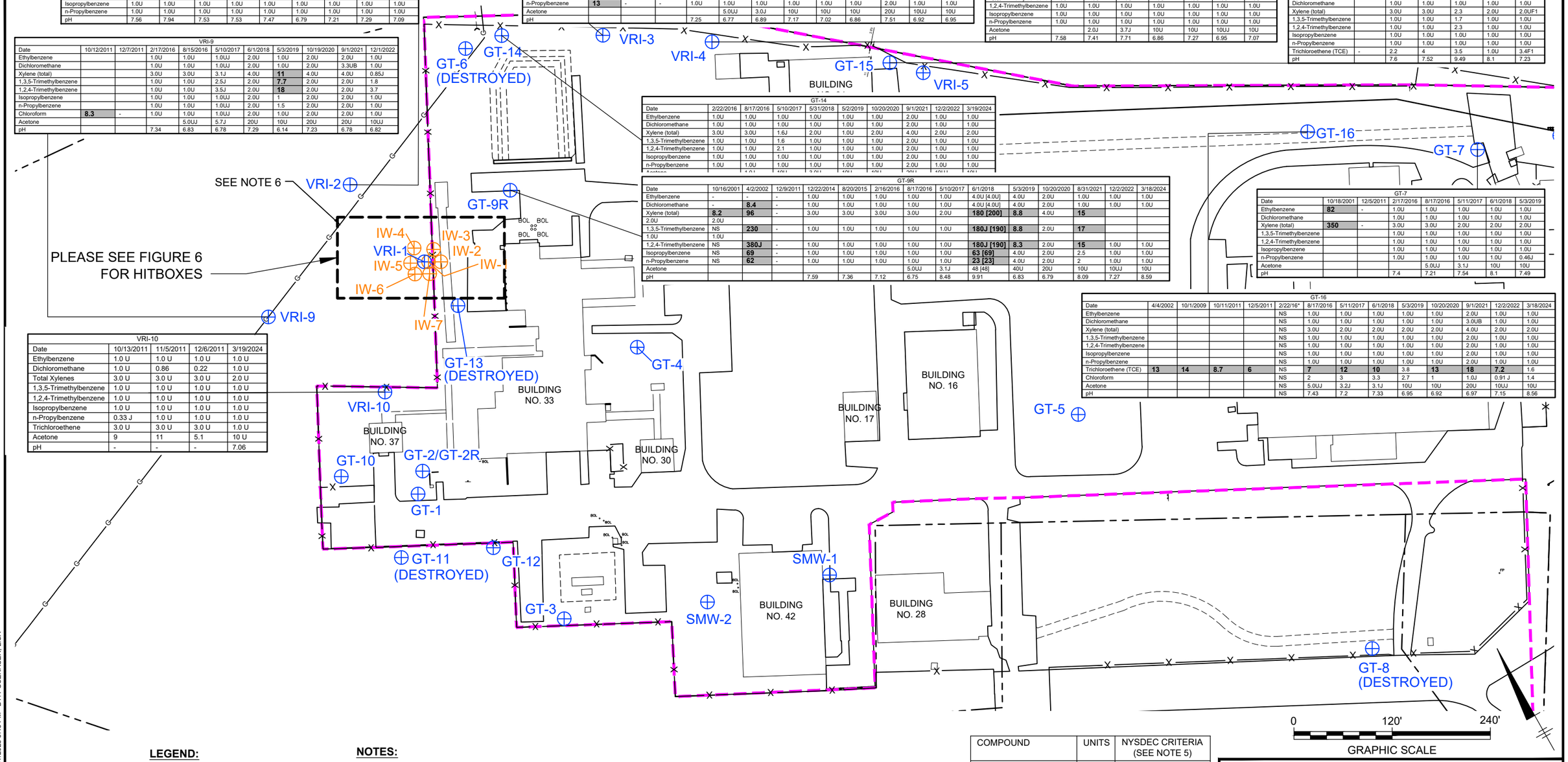
Date	10/18/2001	12/5/2011	2/17/2016	8/17/2016	5/11/2017	6/1/2018	5/3/2019
Ethylbenzene	**82**	-	1.0U	1.0U	1.0U	1.0U	1.0U
Dichloromethane			1.0U	1.0U	1.0U	1.0U	1.0U
Xylene (total)	**350**	-	3.0U	3.0U	2.0U	2.0U	2.0U
1,3,5-Trimethylbenzene			1.0U	1.0U	1.0U	1.0U	1.0U
1,2,4-Trimethylbenzene			1.0U	1.0U	1.0U	1.0U	1.0U
Isopropylbenzene			1.0U	1.0U	1.0U	1.0U	1.0U
n-Propylbenzene			1.0U	1.0U	1.0U	1.0U	0.46J
Acetone				5.0UJ	3.1J	10U	10U
pH			7.4	7.21	7.54	8.1	7.49

VRI-10

Date	10/13/2011	11/5/2011	12/6/2011	3/19/2024
Ethylbenzene	1.0 U	1.0 U	1.0 U	1.0 U
Dichloromethane	1.0 U	0.86	0.22	1.0 U
Total Xylenes	3.0 U	3.0 U	3.0 U	2.0 U
1,3,5-Trimethylbenzene	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzene	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	1.0 U	1.0 U	1.0 U	1.0 U
n-Propylbenzene	0.33 J	1.0 U	1.0 U	1.0 U
Trichloroethene	3.0 U	3.0 U	3.0 U	1.0 U
Acetone	9	11	5.1	10 U
pH	-	-	-	7.06

GT-16

Date	4/4/2002	10/1/2009	10/11/2011	12/5/2011	2/22/16*	8/17/2016	5/11/2017	6/1/2018	5/3/2019	10/20/2020	9/1/2021	12/2/2022	3/18/2024
Ethylbenzene					NS	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0U	1.0U
Dichloromethane					NS	1.0U	1.0U	1.0U	1.0U	1.0U	3.0UB	1.0U	1.0U
Xylene (total)					NS	3.0U	2.0U	2.0U	2.0U	2.0U	4.0U	2.0U	2.0U
1,3,5-Trimethylbenzene					NS	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0U	1.0U
1,2,4-Trimethylbenzene					NS	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0U	1.0U
Isopropylbenzene					NS	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0U	1.0U
n-Propylbenzene					NS	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0U	1.0U
Trichloroethene (TCE)	**13**	**14**	**8.7**	**6**	NS	**7**	**12**	**10**	3.8	**13**	**18**	**7.2**	1.6
Chloroform					NS	2	3	3.3	2.7	1	1.0J	0.91 J	1.4
Acetone					NS	5.0UJ	3.2J	3.1J	10U	10U	20U	10UJ	10U
pH					NS	7.43	7.2	7.33	6.95	6.92	6.97	7.15	8.56



LEGEND:

- APPROXIMATE VON ROLL ISOLA USA, INC. PROPERTY BOUNDARY
- PROPERTY BOUNDARY LINE
- CHAIN LINK FENCE
- BUILDING
- GAS
- GROUNDWATER MONITORING WELL
- ISCO INJECTION WELL

NOTES:

1. HISTORICAL RESULTS ARE TAKEN FROM FIGURE 2.2 BY CONESTOGA-ROVERS & ASSOCIATES. ONLY RESULTS FROM SAMPLING EVENTS WITH DETECTIONS AND/OR THE MOST RECENT HISTORICAL SAMPLING EVENT ARE SHOWN.
2. FROM THE HISTORICAL RESULTS, "-" IS ASSUMED TO INDICATE NO DETECTIONS. BLANKS ARE ASSUMED TO INDICATE THAT THE SAMPLE WAS NOT ANALYZED FOR THOSE COMPOUNDS. "NS" IS ASSUMED TO INDICATE THAT NO SAMPLE WAS COLLECTED. PROVIDED DATES ARE DATE SAMPLED.
3. *GT-16 WAS INACCESSIBLE DUE TO A WELL OBSTRUCTION AND NOT SAMPLED DURING THE FEBRUARY 2016 SAMPLING EVENT.
4. IN THE ANALYTICAL RESULTS, BOLD FONT AND GRAY SHADING INDICATES THAT THE DETECTED CONCENTRATION EXCEEDS THE APPLICABLE NYSDEC SCREENING CRITERIA (SEE TABLE AT RIGHT). "U" INDICATES THAT THE COMPOUND WAS NOT DETECTED. "B" INDICATES THAT THE COMPOUND HAS BEEN FOUND IN THE SAMPLE AS WELL AS ITS ASSOCIATED BLANK, ITS PRESENCE IN THE SAMPLE MAY BE SUSPECT. "D" INDICATES THAT CONCENTRATION IS BASED ON A DILUTED SAMPLE ANALYSIS. "J" INDICATES THAT THE COMPOUND WAS POSITIVELY IDENTIFIED; HOWEVER, THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED CONCENTRATION ONLY.
5. NEW YORK STATE AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES AS DEFINED IN THE DIVISION OF WATER TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1.
6. GAS LINE IS BELIEVED TO HAVE BEEN PARTIALLY OR COMPLETELY REMOVED. STATUS CURRENTLY UNCLEAR.
7. MONITORING WELL VRI-9 COULD NOT BE LOCATED DURING THE 2024 SAMPLING EVENT. IT IS BELIEVED TO BE BURIED OR DESTROYED.

COMPOUND	UNITS	NYSDEC CRITERIA (SEE NOTE 5)
Ethylbenzene	ug/L	5
Dichloromethane	ug/L	5
Xylene (total)	ug/L	5
1,3,5-Trimethylbenzene	ug/L	5
1,2,4-Trimethylbenzene	ug/L	5
Isopropylbenzene	ug/L	5
n-Propylbenzene	ug/L	5
Trichloroethene (TCE)	ug/L	5
Chloroform	ug/L	7
2-Butanone	ug/L	50
Acetone	ug/L	50
Toluene	ug/L	5
pH	ug/L	5

GENERAL ELECTRIC COMPANY
VON ROLL ISOLA USA, INC. PROPERTY (RIVERVIEW SITE)
ROTTERDAM, NEW YORK

HISTORICAL GROUNDWATER SAMPLING ANALYTICAL RESULTS - SELECT VOCs

ARCADIS

FIGURE
5

IW-4

Date	12/18/2014	12/18/2014	8/20/2015	2/17/2016	8/16/2016	5/9/2017	6/1/2018	5/2/2019
Ethylbenzene	50U	50U	5.0U	5.0U	1.0U	50U	40U	10U
Dichloromethane	50U	50U	5.0U	5.0U	1.0U	50UB	40U	10U
Xylene (total)	**1850**	**1840**	**74**	**200**	3.0U	**190**	**540**	**55**
1,3,5-Trimethylbenzene	**3600**	**3400**	**560**	**720**	**11**	**1600J**	**2800**	**330**
1,2,4-Trimethylbenzene	**6400**	**6300**	**47**	**640**	1	**930**	**4000**	**460**
Isopropylbenzene	**380**	**380**	5.0U	**6.5**	1.0U	**300**	**280**	**24**
n-Propylbenzene	**400**	**400**	5.0U	5.0U	1.0U	**300**	**310**	**28**
Acetone					4.0J	500UJ	400U	100U
pH	10	10	6.67	11.1	9.17	11.26	7.43	7.05

IW-5

Date	12/18/2014	8/21/2015	2/18/2016	8/16/2016	5/9/2017	6/1/2018	5/2/2019
Ethylbenzene	100U	50U	50U	2	25U	20U	20U
Dichloromethane	100U	50U	50U	1.0U	25U	20U	20U
Xylene (total)	**3510**	**4260**	**2980**	**1700D**	**790**	**350**	**200**
1,3,5-Trimethylbenzene	**4100**	**3400**	**4400**	**2800D**	**1300**	**560**	**490**
1,2,4-Trimethylbenzene	**8600**	**6500**	**8800**	**5000D**	**1500**	**770**	**580**
Isopropylbenzene	**420**	**300**	**520**	**160**	**120**	**50**	**18J**
n-Propylbenzene	**520**	**300**	**580**	**110**	**86**	**53**	**17J**
Acetone				10J	250U	200U	200U
pH	13.25	4.81	12.07	10.1	9.64	7.6	7.05

IW-6

Date	12/22/2014	8/21/2015	2/19/2016	8/16/2016	5/9/2017	6/1/2018	5/1/2019	10/19/2020	9/1/2021	12/1/2022	3/19/2024
Ethylbenzene	**10**	10U	10U	2.0 [2.0]	50U	40U	**37J**	200U	200U	200U	**150J**
Dichloromethane	10U	10U	10U	1.0U [1.0U]	50UB	40U	40U	200U	260UB	200U	200U
Xylene (total)	**1160**	**504**	**295**	**380 [390]**	**2000**	**710**	**6600**	**8500J**	**3200**	**9300**	**9700**
1,3,5-Trimethylbenzene	**860**	**500**	**380**	**260D [340D]**	**1200**	**1800**	**4000**	**4600**	**2200**	**4300**	**4000**
1,2,4-Trimethylbenzene	**1600**	**720**	**300**	**280D [370D]**	**2000**	**1600**	**7200**	**12000**	**4500**	**11000**	**11000**
Isopropylbenzene	**110**	**81**	**94**	**21 [22]**	**250**	**220**	**510**	**840**	**280**	**860**	**830**
n-Propylbenzene	**120**	**90**	**120**	**21 [21]**	**310**	**290**	**540**	**910**	**290**	**1000**	**1000**
Acetone				3.0J [3.0J]	500U	400U	400U	2000U	2000U	2000UJ	2000U
pH	11.8	4.26	9.95	7.96	9.32	7.48	7.9	7.12	2.64	7.3	6.18

IW-3

Date	12/18/2014	8/20/2015	2/17/2016	2/17/2016	8/16/2016	5/9/2017	6/1/2018	5/1/2019	10/19/2020	9/1/2021	12/2/2022	3/19/2024
Ethylbenzene	20U	20U	20U	20U	3	100UJ [100UJ]	40U	4.0U	2.0U	2.0U	5.0U	1.0U
Dichloromethane	20U	20U	20U	20U	1.0U	100UBJ [100UBJ]	40U	2.0J	2.0U	5.3UB	5.0U	1.0U
Xylene (total)	**672**	**842**	**1710**	**1810**	**1100D**	**1600J [1600J]**	**750**	**100**	**9.4**	**14**	**450**	**11J**
1,3,5-Trimethylbenzene	**1700**	**1600**	**3300**	**3400**	**1700D**	**2400J [2300J]**	**2100**	**280**	**67**	**360D**	**940 D**	**24J**
1,2,4-Trimethylbenzene	**1600**	**1600**	**3100**	**3300**	**1600D**	**3500J [3500J]**	**2200**	**250**	**25**	**23**	**1500 D**	**29J**
Isopropylbenzene	**110**	**55**	**170**	**170**	**110**	**160J [150J]**	**70**	**12**	**8.4**	**48**	26	1.0U
n-Propylbenzene	**92**	**54**	**170**	**170**	**93**	**160J [150J]**	**7200**	**15**	**7.7**	**60**	14	1.0U
2-Butanone					2.0J	1000UJ [1000UJ]	400U	40U	20U	20U	5.0U	10U
Acetone					44	1000UJ [1000UJ]	400U	40U	20U	11J	20J	10U
pH	8.51	9.59	9.2	9.2	11.3	10.49	9.9	8.97	7.47	7.19	7.03	6.59

IW-1

Date	8/14/2014	12/22/2014	8/20/2015	2/18/2016	8/16/2016	5/9/2017	5/31/2018
Ethylbenzene	50U	50U	5.0U	1.0U	1.0U	20U	10U
Dichloromethane	50U	50U	5.0U	1.0U	1.0U	20U	10U
Xylene (total)	**2560**	**470**	**343**	**43.5**	**97**	**530**	**130**
1,3,5-Trimethylbenzene	**3100**	**620**	**220**	**24**	**87**	**620**	**250**
1,2,4-Trimethylbenzene	**5600**	**980**	**500**	**61**	**150**	**1200**	**480**
Isopropylbenzene	**270**	**85**	**42**	4.1	4	**36**	**17**
n-Propylbenzene	**230**	**93**	**49**	**5.9**	4	**39**	**20**
pH	7.12	12.93	8.5	8.31	7.36	7.19	7.16

IW-2

Date	12/18/2014	8/20/2015	2/16/2016	8/16/2016	5/9/2017	5/31/2018	5/1/2019
Ethylbenzene	10U	10U	10U	14	1.6	**8.4J**	10U
Dichloromethane	10U	10U	10U	1.0U	1.0U	10U	4.9J
Xylene (total)	**39**	**65**	**76**	**880D**	**47**	**780**	**610**
1,3,5-Trimethylbenzene	**80**	**120**	**100**	**720D**	**83**	**470**	**220**
1,2,4-Trimethylbenzene	**47**	**110**	**100**	**1100D**	**63**	**920**	**420**
Isopropylbenzene	10U	10U	**22**	**130**	**16**	**130**	**37J**
n-Propylbenzene	10U	10U	**19**	**190**	**9.2**	**160**	**36**
2-Butanone				11.0J	1.6J	100U	100U
Acetone				**310DJ**	21	32.0J	100U
Toluene				2	1.0U	10U	10U
pH	8.23	9.31	7.42	10.99	10.14	9.23	7.14

IW-7

Date	12/22/2014	8/21/2015	2/18/2016	8/16/2016	5/9/2017	5/31/2018	5/1/2019
Ethylbenzene	1.0U	1.0U	1.0U	1	5.0U	8.0U	**13**
Dichloromethane	1.0U	1.0U	1.0U	1.0U	5.0U	8.0U	**7.1J**
Xylene (total)	**78**	**42.1**	**13**	**94**	**220**	**190**	**2000**
1,3,5-Trimethylbenzene	**70**	**31**	**26**	**140**	**260**	**330**	**1300**
1,2,4-Trimethylbenzene	**130**	**39**	**7**	**48**	**300**	**270**	**2100**
Isopropylbenzene	**12**	**6.7**	1.0U	**44**	**9.3**	8.0U	**98**
n-Propylbenzene	**8.1**	**6.7**	1.0U	**30**	**6.3**	8.0U	**80**
Acetone				6.0J	15J	80U	100U
pH	8.33	4.42	7.61	7.16	7.06	7.27	7.18

VRI-1

Date	10/18/2001	4/2/2002	10/5/2009	12/22/2009	10/12/2011	12/7/2011	8/14/2014	12/22/2014	8/21/2015	2/18/2016	8/16/2016	5/9/2017	6/1/2018	5/1/2019	10/19/2020	9/1/2021	12/1/2022	3/19/2024
Ethylbenzene	-	-	-	**18**	-	**8.4J**	50U	50U	10U	1.0U	**6**	5.0U	1.0U	1.0U	20U [20U]	8.0U [20U]	**280 [270]**	100U [100U]
Dichloromethane	-	50U/	**380J**	-	-	-	**9.1J**	50U	50U	10U	1.0U	1.0U	1.0U	1.0U	20U [20U]	8.0U [30UB]	20U [100U]	100U [100U]
Xylene (total)	**670**	**880J/510J**	**8700**	**3100**	**3700**	**3800**	**1930**	**68**	30U	3.0U	**36**	**260**	2.0U	**13**	**600 [610]**	**40 [48]**	**4400 D [4000]**	**5400 [5300]**
1,3,5-Trimethylbenzene	NS	**510/370**	**5400**	**1500**	**3200**	**2500**	**3100**	**290**	**16**	1.0U	**260D**	**130**	1.0U	**18**	**1500 [1400]**	**510 [580]**	**2600 D [2500]**	**3300 [3300]**
1,2,4-Trimethylbenzene	NS	**1500/1100**	**14000**	**3700**	**6200**	**4900**	**5800**	**240**	10U	1.0U	**41**	**97**	1.0U	1.8	**1700 [1700]**	**190 [220]**	**500 D [4400]**	**4100 [4200]**
Isopropylbenzene	NS	**85J/39J**	**820**	**250**	**110J**	**89**	**160**	50U	10U	1.0U	**130**	**9**	1.0U	1.3	**64 [63]**	**19 [20]**	**280 [270]**	**160 [150]**
n-Propylbenzene	NS	**110J/940J**	**870**	**230**	-	**53**	**150**	50U	10U	1.0U	**86**	**5.6**	1.0U	1.1	**39 [39]**	**18 [20]**	**210 [210]**	**110 [110]**
Acetone											2.0J	50U	10U	10U	200U [200U]	80UJ [200U]	**370J [340J]**	1000U [1000U]
pH							7.03	9.1	6.68	7.63	7.1	7.04	6.93	7.1	6.94	7.04	7.28	6.65

SEE NOTE 6

BUILDING NO. 31
BUILDING NO. 33
BUILDING NO. 37
BUILDING NO. 30
BUILDING NO. 16
BUILDING NO. 17
BUILDING NO. 14
BUILDING NO. 42
BUILDING NO. 28

0 120' 240'
GRAPHIC SCALE

LEGEND:

- APPROXIMATE VON ROLL ISOLA USA, INC. PROPERTY BOUNDARY
- PROPERTY BOUNDARY LINE
- CHAIN LINK FENCE
- BUILDING
- GAS
- GROUNDWATER MONITORING WELL
- ISCO INJECTION WELL

NOTES:

1. HISTORICAL RESULTS ARE TAKEN FROM FIGURE 2.2 BY CONESTOGA-ROVERS & ASSOCIATES. ONLY RESULTS FROM SAMPLING EVENTS WITH DETECTIONS AND/OR THE MOST RECENT HISTORICAL SAMPLING EVENT ARE SHOWN.
2. FROM THE HISTORICAL RESULTS, "-" IS ASSUMED TO INDICATE NO DETECTIONS. BLANKS ARE ASSUMED TO INDICATE THAT THE SAMPLE WAS NOT ANALYZED FOR THOSE COMPOUNDS. "NS" IS ASSUMED TO INDICATE THAT NO SAMPLE WAS COLLECTED. PROVIDED DATES ARE DATE SAMPLED.
3. *GT-16 WAS INACCESSIBLE DUE TO A WELL OBSTRUCTION AND NOT SAMPLED DURING THE FEBRUARY 2016 SAMPLING EVENT.
4. IN THE ANALYTICAL RESULTS, BOLD FONT AND GRAY SHADING INDICATES THAT THE DETECTED CONCENTRATION EXCEEDS THE APPLICABLE NYSDEC SCREENING CRITERIA (SEE TABLE AT RIGHT). "U" INDICATES THAT THE COMPOUND WAS NOT DETECTED. "B" INDICATES THAT THE COMPOUND HAS BEEN FOUND IN THE SAMPLE AS WELL AS ITS ASSOCIATED BLANK, ITS PRESENCE IN THE SAMPLE MAY BE SUSPECT. "D" INDICATES THAT CONCENTRATION IS BASED ON A DILUTED SAMPLE ANALYSIS. "J" INDICATES THAT THE COMPOUND WAS POSITIVELY IDENTIFIED; HOWEVER, THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED CONCENTRATION ONLY.
5. NEW YORK STATE AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES AS DEFINED IN THE DIVISION OF WATER TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1.
6. GAS LINE IS BELIEVED TO HAVE BEEN PARTIALLY OR COMPLETELY REMOVED. STATUS CURRENTLY UNCLEAR.
7. MONITORING WELL VRI-9 COULD NOT BE LOCATED DURING THE 2024 SAMPLING EVENT. IT IS BELIEVED TO BE BURIED OR DESTROYED.

COMPOUND	UNITS	NYSDEC CRITERIA (SEE NOTE 5)
Ethylbenzene	ug/L	5
Dichloromethane	ug/L	5
Xylene (total)	ug/L	5
1,3,5-Trimethylbenzene	ug/L	5
1,2,4-Trimethylbenzene	ug/L	5
Isopropylbenzene	ug/L	5
n-Propylbenzene	ug/L	5
Trichloroethene (TCE)	ug/L	5
Chloroform	ug/L	7
2-Butanone	ug/L	50
Acetone	ug/L	50
Toluene	ug/L	5
pH	ug/L	5

GENERAL ELECTRIC COMPANY
VON ROLL ISOLA USA, INC. PROPERTY (RIVERVIEW SITE)
ROTTERDAM, NEW YORK

HISTORICAL GROUNDWATER SAMPLING ANALYTICAL RESULTS - SELECT VOCs (VRI-1 AREA WELLS)

ARCADIS

FIGURE 6

C:\Users\lposenauer\DC\ACCDocs\Arcadis ACC US\AUS-99999999-GE_RIVERVIEW_ROTTERDAM_NY\Project Files\10_WIP\10T_ARC_ENV\2025\01-DWG\GWM\5101-DWG\GWM-2024Q1-F05-GWA VOCs HISTORICAL.dwg LAYOUT: 6 SAVED: 1/7/2025 3:12 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: C-LB-PDF
PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/7/2025 3:13 PM BY: POSENAUER, LISA
XREFS:
GEN-X-BASE

Appendix A

Groundwater Sampling Event Field Data Sheets

ARCADIS

Groundwater Sampling Form

Project No. 30004483 | Well ID VR1-10 | Date 3/19/24

Project Name/Location GE Riverview | Weather 37°F, cloudy

Measuring Pt. Description TIC | Screen Setting (ft-bmp) | Casing Diameter (in.) 2 | Well Material X PVC ___ SS ___ Other

Total Depth (ft-bmp) 69.78 | Static Water Level (ft-bmp) 62.40 | Water Column in Well 7.38 | Gallons in Well 1.20

Calc. Gallons Purged 4.03 → 4 | Pump Intake (ft-bmp) 66.09 | Purge Method: Centrifugal ___ Submersible ___ Disp. Bailer ___ Other Bailer | Sample Method low flow

Gallons Purged ___ | MP Elevation ___ | Pump On/Off 1441/1600

Sample Time: Label 1557 | Replicate/ Code No. ___ | Sampled by A. Gibson

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
~~1446~~ 1446	5	250	62.63	0.330	7.46	0.963	1000	7.08	10.75	102	Brown	none
1451	10	200	62.93	0.544	7.45	0.981	1000	7.02	11.52	101	"	"
1456	15	200	63.48	0.858	7.42	1.01	872	6.43	13.41	100	"	"
1501	20	200	64.21	1.123	7.41	1.12	481	5.80	16.93	100	"	"
1506	25	200	64.57	1.387	7.35	1.12	389	5.75	16.59	101	"	"
1511	30	200	64.92	1.651	7.29	1.13	321	5.73	16.02	101	"	"
~~1516~~ 1516	35	200	65.23	1.915	7.23	1.13	307	5.72	15.91	102	cloudy	"
1521	40	200	65.39	2.179	7.22	1.09	261	7.89	15.43	104	"	"
1526	45	200	65.48	2.44	7.21	1.04	203	8.40	15.21	105	"	"
1531	50	200	65.51	2.708	7.20	1.02	160	8.38	14.49	106	"	"
1536	55	200	65.58	2.971	7.18	1.01	165	8.83	14.00	109	"	"
1541	60	200	65.62	3.235	7.15	1.01	170	8.91	14.08	110	"	"
1546	65	200	65.62	3.500	7.08	1.00	196	8.93	11.375	114	"	"

Constituents Sampled	Container	Number	Preservative
VOCs 8260	40mL	3	HCl

Well Information

Well Location: SW corner of Site, Not building 37 | Well Locked at Arrival: (Yes) / No

Condition of Well: Good | Well Locked at Departure: (Yes) / No

Well Completion: Flush Mount / (Stick Up) | Key Number To Well: ___

NOTES:

Well Casing Volumes

Gallons/Foot: 1" = 0.04; 1.25" = 0.06; 1.5" = 0.09; 2" = 0.16; 2.5" = 0.26; 3" = 0.37; 3.5" = 0.50; 4" = 0.65; 6" = 1.47

ARCADIS
Groundwater Sampling Form

Project No. _____ Well ID VRI-10 Date 3/19/24

Project Name/Location GE Riverview Weather 32°F, cloudy

Measuring Pt. Description TIC | Screen Setting (ft-bmp) - | Casing Diameter (in.) 2 | Well Material X PVC ___ SS ___ Other

Total Depth (ft-bmp) 69.78 | Static Water Level (ft-bmp) 62.40 | Water Column in Well 7.38 | Gallons in Well 1.20

Calc. Gallons Purged 4.03 | Pump Intake (ft-bmp) 66.09 | Purge Method: Centrifugal ___ Submersible ___ Disp. Bailer ___ Other Bladder | Sample Method low flow

Gallons Purged 4 | MP Elevation ___ | Pump On/Off 1444/1600

Sample Time: Label 1557 | Replicate/ Code No. ___ | Sampled by ___

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
1551	70	200	65.62	3.764	7.07	0.999	104	8.95	13.70	115	cloudy	none
1556	75	200	65.62	4.028	7.06	0.999	~~99.5~~ 99.8	8.87	13.69	116	"	"

Constituents Sampled	Container	Number	Preservative
VOCs 8260	40mL	3	HCl

Well Information

Well Location: SW corner of Site, Net building 37 | Well Locked at Arrival: (Yes) / No

Condition of Well: Good | Well Locked at Departure: (Yes) / No

Well Completion: Flush Mount / (Stick Up) | Key Number To Well: ___

NOTES:

Well Casing Volumes

Gallons/Foot					
	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

ARCADIS

Groundwater Sampling Form

Project No. 30096483

Project Name/Location GE Riverview Schenectady

Well ID VRI-3

Page 1 of 2 (AG)

Date 3/14/24

Weather 37°F, cloudy

Measuring Pt. Description TIC

Screen Setting (ft-bmp)

Casing Diameter (in.) 2

Well Material (✓) PVC / SS / Other

Total Depth (ft-bmp) 78.80

Static Water Level (ft-bmp) 69.34

Water Column in Well ~~8.01~~ (AG) 9.46

Gallons in Well ~~1.55~~ (AG) 1.52

Calc. Gallons Purged 3.432

Pump Intake (ft-bmp) ~~79.40~~ 74.07 (AG)

Purge Method:

Sample Method low flow

Gallons Purged 3.5

MP Elevation

Centrifugal / Submersible / Disp. Bailer / Other bladder

Pump On/Off 0904 / 1018

Sample Time: Label 1015

Replicate/ Code No.

Sampled by A. Gibson

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
0914	5	200	69.49	0.264	6.39	0.681	54.3	12.23	8.23	163	cloudy	none
0919	10	200	69.55	0.528	6.41	0.693	29.1	12.19	7.14	171	"	"
0924	15	200	69.68	0.792	6.31	0.719	11.2	12.10	5.68	181	clear	"
0929	20	209	69.67	1.056	6.38	0.716	9.8	11.79	5.85	175	"	"
0934	25	209	69.65	1.32	6.49	0.714	7.1	11.04	6.00	166	"	"
0939	30	209	69.64	1.584	6.42	0.710	5.9	10.73	6.21	162	"	"
0944	35	200	69.64	1.848	6.33	0.709	4.8	10.45	6.35	158	"	"
0949	40	200	69.64	2.112	6.69	0.708	4.1	10.31	6.53	135	"	"
0954	45	200	69.64	2.376	6.79	0.708	3.5	10.21	6.71	127	"	"
0959	50	200	69.64	2.64	6.93	0.708	2.9	9.45	6.99	125	"	"
1004	55	209	69.64	2.904	6.95	0.707	2.4	9.43	7.27	124	"	"
1009	60	200	69.64	3.168	6.95	0.706	2.8	9.45	7.29	122	"	"
1014	65	200	69.64	3.432	6.95	0.707	2.1	9.28	7.35	178	"	"

Constituents Sampled	Container	Number	Preservative
VOCs 8260	40mL VOA	3	HCl

Well Information

Well Location: SE of GT-14, along fence

Condition of Well: Good

Well Completion: Flush Mount / Stick Up

Well Locked at Arrival: Yes / No

Well Locked at Departure: Yes / No

Key Number To Well:

NOTES:

Well Casing Volumes

Gallons/Foot: 1" = 0.04; 1.25" = 0.06; 1.5" = 0.09; 2" = 0.16; 2.5" = 0.26; 3" = 0.37; 3.5" = 0.50; 4" = 0.65; 6" = 1.47

ARCADIS
Groundwater Sampling Form

Project No. 30006483 | Well ID VRI-4 | Date 3/19/24

Project Name/Location GE Riverview, Schenectady | Weather 37°F, Cloudy

Measuring Pt. Description TOC | Screen Setting (ft-bmp) ~ | Casing Diameter (in.) 2 | Well Material X PVC ___ SS ___ Other

Total Depth (ft-bmp) 78.38 | Static Water Level (ft-bmp) 71.37 | Water Column in Well ___ | Gallons in Well ___

Calc. Gallons Purged ___ | Pump Intake (ft-bmp) ___ | Purge Method: | Sample Method bwflow

Gallons Purged ___ | MP Elevation ___ | Centrifugal ___ Submersible ___ | Pump On/Off 1036/1155

Sample Time: Label 1152 | Replicate/ Code No. ___ | Disp. Bailer ___ Other bladder | Sampled by A.G.Bs

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
1041	5	200	71.53	0.264	6.87	0.932	1010	11.13	10.73	113	Brown	none
1046	10	200	71.71	0.528	6.88	0.971	1000	10.65	10.62	117	Brown	"
1051	15	200	72.08	0.792	6.91	0.983	1000	10.21	10.83	121	Brown	"
1056	20	200	72.21	1.056	6.94	1.09	1000	9.68	11.00	126	Brown	"
1101	25	200	72.20	1.32	7.01	1.10	938	6.31	10.91	108	"	"
1106	30	200	72.18	1.584	7.06	1.11	881	5.00	10.50	85	"	"
1111	35	200	72.19	1.848	7.03	1.09	901	5.17	10.85	91	"	"
1116	40	200	72.19	2.112	7.00	1.08	858	5.32	11.30	94	"	"
1121	45	200	72.18	2.376	7.02	1.15	513	5.22	11.41	97	"	"
1126	50	200	72.18	2.64	7.05	1.17	441	5.18	11.50	96	Cloudy	"
1131	55	200	72.19	2.904	7.05	1.18	441	5.21	11.48	98	"	"
1136	60	200	72.22	3.168	7.06	1.18	427	5.19	11.45	99	"	"
1141	65	200	72.19	3.432	7.07	1.18	374	5.14	11.44	100	"	"

Constituents Sampled	Container	Number	Preservative
VOCs 8260	40mL VOA	3	HCl

Well Information

Well Location: SE of VRI-3, along fence

Condition of Well: ___

Well Completion: Flush Mount / Stick Up

Well Locked at Arrival: Yes / No

Well Locked at Departure: Yes / No

Key Number To Well: ___

NOTES:

Well Casing Volumes

Gallons/Foot: 1" = 0.04 | 1.25" = 0.06 | 1.5" = 0.09 | 2" = 0.16 | 2.5" = 0.26 | 3" = 0.37 | 3.5" = 0.50 | 4" = 0.65 | 6" = 1.47

ARCADIS

Groundwater Sampling Form

Project No. 30006483 | Well ID VRI-4 | Date 3/19/24

Project Name/Location GE Riverview, Schenectady | Weather 37°F, cloudy

Measuring Pt. Description TIC | Screen Setting (ft-bmp) — | Casing Diameter (in.) 2 | Well Material X PVC / SS / Other

Total Depth (ft-bmp) 78.38 | Static Water Level (ft-bmp) 71.37 | Water Column in Well 7.01 | Gallons in Well 1.122

Calc. Gallons Purged 3.96 / 4.0 | Pump Intake (ft-bmp) 74.88 | Purge Method: | Sample Method low flow

Gallons Purged | MP Elevation — | Centrifugal / Submersible / Disp. Bailer / Other Bladder | Pump On/Off 1036/1155

Sample Time: Label 1152 | Replicate/ Code No. | Sampled by A. Gibson

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
1146	70	200	72.19	3.696	7.07	1.58	370	5.17	11.28	100	cloudy	none
1151	75	200	72.18	396	7.07	1.18	366	5.19	11.29	101	"	"

Constituents Sampled	Container	Number	Preservative
VOCs 8260	40mL VOA	3	HCl

Well Information

Well Location: SE of VRI-3, along fence

Condition of Well:

Well Completion: Flush Mount / Stick Up

Well Locked at Arrival: Yes / No

Well Locked at Departure: Yes / No

Key Number To Well:

NOTES:

Well Casing Volumes

Gallons/Foot					
	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

ARCADIS

Groundwater Sampling Form

Project No. 30006483 | Well ID GT-14 | Date 3/14/24

Project Name/Location GE Riverview, Schenectady, NY | Weather 38°F

Measuring Pt. Description TIC | Screen Setting (ft-bmp) – | Casing Diameter (in.) 2 | Well Material X PVC ___ SS ___ Other

Total Depth (ft-bmp) 72.78 | Static Water Level (ft-bmp) 63.48 | Water Column in Well 9.3 | Gallons in Well 1.52

Calc. Gallons Purged 2.112 | Pump Intake (ft-bmp) 68.13 | Purge Method: | Sample Method low flow

Gallons Purged 2.25 | MP Elevation – | Centrifugal ___ | Submersible ___

Sample Time: Label 1401 | Replicate/ Code No. ___ | Disp. Bailer ___ | Other Bladder | Pump On/Off 1320/1440

Sampled by A. Gibson

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
1325	5	200	63.69	0.264	7.07	0.744	41.4	9.05	10.29	109	Clear	None
1330	10	200	63.69	0.528	7.04	0.712	28.3	9.17	10.05	109	"	"
1335	15	200	63.70	0.792	7.03	0.680	10.8	9.24	9.98	109	"	"
1340	20	200	63.70	1.056	7.03	0.674	5.1	9.32	9.79	110	"	"
1345	25	200	63.70	1.32	7.02	0.674	4.1	9.31	9.74	110	"	"
1350	30	200	63.70	1.584	7.04	0.675	3.1	9.32	9.61	110	"	"
1355	35	200	63.70	1.848	7.05	0.677	0.9	9.28	9.59	110	"	"
1340	40	200	63.70	2.112	7.05	0.678	0.4	9.26	9.58	109	"	"

Constituents Sampled	Container	Number	Preservative
VOCs 8260	40 mL	3	HCl

Well Information

Well Location: North corner of site, in grass | Well Locked at Arrival: Yes / No

Condition of Well: Good | Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up | Key Number To Well: ___

NOTES:

Well Casing Volumes

Gallons/Foot					
	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

ARCADIS

Groundwater Sampling Form

Project No.

Well ID VRI-1

Date 3/14/2024

Project Name/Location 45 Riverview

Weather 35°F, windy

Measuring Pt. Description TIC

Screen Setting (ft-bmp) –

Casing Diameter (in.) 2

Well Material X PVC ___ SS ___ Other

Total Depth (ft-bmp) 69.81

Static Water Level (ft-bmp) 62.49

Water Column in Well 7.32

Gallons in Well 1.17

Calc. Gallons Purged

Pump Intake (ft-bmp) 66.01

Purge Method:

Sample Method

Gallons Purged 1.5

MP Elevation

Centrifugal ___ Submersible ___ Disp. Bailer ___ Other bladder

Pump On/Off 1109-1125 1212

Sample Time: Label 1210

Replicate/ Code No. DUP-031924

Sampled by AC

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
1130	0	175	62.56	0.231	6.88	1.04	33.8	0.0	11.84	-77	1. brown	yes
1135	5	175	62.78	0.462	6.82	1.04	25.6	0.0	12.16	-98		
1140	10	175	62.74	0.693	6.81	1.04	22.4	0.0	12.21	-102		
1145	15	175	63.5	0.924	6.70	1.04	25.5	0.0	11.87	-108		
1150	20	175	63.54	1.155	6.70	1.04	21.3	0.0	11.78	-118		
1155	25	175	63.56	1.386	6.69	1.04	21.1	0.0	11.52	-125		
1200	30	175	63.62	1.617	6.63	1.03	20.7	0.0	11.63	-131		
1205	35	175	63.59	1.848	6.65	1.02	19.9	0.0	11.70	-134		

Constituents Sampled	Container	Number	Preservative
VOCs 8260	40mL	3	HCl

Well Information

Well Location: Outside Fence

Condition of Well: good

Well Completion: Flush Mount / Stick Up

Well Locked at Arrival: Yes / No

Well Locked at Departure: Yes / No

Key Number To Well:

NOTES: DUP collected

Well Casing Volumes

Gallons/Foot 1" = 0.04 1.25" = 0.06 1.5" = 0.09 2" = 0.16 2.5" = 0.26 3" = 0.37 3.5" = 0.50 4" = 0.65 6" = 1.47

ARCADIS

Groundwater Sampling Form

Project No. _____ Well ID GT-9R Date 3/18/24

Project Name/Location GE Riverview / Schenectady, NY Weather 40, cloudy

Measuring Pt. Description TIC Screen Setting (ft-bmp) — Casing Diameter (in.) 2 Well Material X PVC ___ SS ___ Other

Total Depth (ft-bmp) 67.08 Static Water Level (ft-bmp) 62.52 Water Column in Well 4.56 Gallons in Well 0.73

Calc. Gallons Purged 2.378 Pump Intake (ft-bmp) 64.30 Purge Method: Centrifugal Submersible ___ Disp. Bailer ___ Other bladder Sample Method low flow

Gallons Purged 2.5 MP Elevation ___ Pump On/Off 0 15 16 /

Sample Time: Label 1605 Replicate/ Code No. ___ Sampled by AC

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	Redox (mV)	Appearance Color	Appearance Odor
1525	0	200	62.54	0.264	6.03	0.818	321	7.27	12.63	68	brown	none
1530	5	200	62.76	0.528	8.85	0.823	164	7.17	12.69	75		
1535	10	200	62.76	0.793	8.66	0.814	142	7.04	12.70	85		
1540	15	200	62.77	1.057	8.59	0.812	114	6.98	12.65	90		
1545	20	200	62.78	1.321	8.57	0.811	83.6	6.91	12.60	93		
1550	25	200	62.77	1.585	8.56	0.810	61.1	6.95	12.59	96		
1555	30	200	62.76	1.849	8.57	0.8098	40.0	6.98	12.55	100		
1600	35	200	62.77	2.113	8.58	0.807	29.2	6.89	12.58	98		
1605	40	200	62.76	2.378	8.59	0.806	22.9	6.80	12.59	98		

Constituents Sampled	Container	Number	Preservative
VOCs 8260	40 mL	3	HCl

Well Information

Well Location: asphalt north of building 33

Condition of Well: good

Well Completion: Flush Mount / Stick Up

Well Locked at Arrival: Yes / No

Well Locked at Departure: Yes / No

Key Number To Well: ___

NOTES: ___

Well Casing Volumes

Gallons/Foot					
	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

ARCADIS

Groundwater Sampling Form

Page 1 of 1

Project No. _____ Well ID ~~EMP-3~~ IW-3 Date 3/14/24

Project Name/Location GE ~~Wiston~~ Riverview / Schenectady, NY Weather 35°F cloudy

Measuring Pt. Description TIC | Screen Setting (ft-bmp) – | Casing Diameter (in.) 2 | Well Material * PVC ___ SS ___ Other

Total Depth (ft-bmp) 71.00 | Static Water Level (ft-bmp) 62.78 | Water Column in Well 8.22 | Gallons in Well 1.32

Calc Gallons Purged 1.387 | Pump Intake (ft-bmp) 67.09 | Purge Method: | Sample Method low flow

Gallons Purged 1.5 | MP Elevation _____ | Centrifugal _____ Submersible _____ | Pump On/Off 1357 / 1435

Sample Time: Label 1435 | Replicate/ Code No. _____ | Disp. Bailer _____ Other bladder | Sampled by AC

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
1403	5	150	62.78	0.198	6.91	0.762	0.0	0.96	11.33	29	clear	yes
1408	10	150	62.78	0.396	6.92	0.763	0.0	1.06	11.40	24		
1413	15	150	62.82	0.594	6.83	0.760	0.0	1.34	11.46	22		
1418	20	150	62.82	0.795	6.77	0.757	0.0	1.58	11.48	21		
1423	25	150	62.83	0.991	6.64	0.757	0.0	1.43	11.18	26		
1428	30	150	62.83	1.189	6.60	0.757	0.0	1.40	11.00	24		
1433	35	150	62.83	1.387	6.59	0.756	0.0	1.43	10.89	24		

Constituents Sampled	Container	Number	Preservative
VOCs 8260	40 mL	9	HCL

Well Information

Well Location: along fence, pstvt injection circle

Condition of Well: good

Well Completion: ~~Flush Mount~~ / Stick Up

Well Locked at Arrival: Yes / No

Well Locked at Departure: Yes / No

Key Number To Well: _____

NOTES: MS/MSD collected here

Well Casing Volumes

Gallons/Foot					
	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

ARCADIS

Groundwater Sampling Form

Project No. _____ Well ID IW-6 Date 3/19/24

Project Name/Location GE Riverview / Schenectady, NM Weather 34°F Cloudy

Measuring Pt. Description TIC

Screen Setting (ft-bmp) –

Casing Diameter (in.) 2

Well Material X PVC ___ SS ___ Other

Total Depth (ft-bmp) 70.26

Static Water Level (ft-bmp) 62.18

Water Column in Well 8.08

Gallons in Well 1.3

Calc. Gallons Purged 1.585

Pump Intake (ft-bmp) 66.60

Purge Method:

Sample Method Low flow

Gallons Purged 1.25

MP Elevation _____

Centrifugal _____

Submersible _____

Disp. Bailer _____

Pump On/Off 0927 / 1015

Sample Time: Label 1010

Replicate/ Code No. _____

Other Hose

Sampled by AC

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
0933	5	150	62.75	0.198	5.70	1.40	10.6	0.0	8.31	165	l. brown	yes
0938	10	150	62.47	0.396	6.23	1.35	5.9	0.0	9.81	146		
0943	15	150	62.48	0.594	6.24	1.37	9.7	0.0	8.24	151		
0948	20	150	62.49	0.793	6.23	1.36	8.3	0.0	10.20	145		
0953	25	150	62.48	0.991	6.16	1.35	0.0	0.0	10.48	145		
0958	30	150	62.56	1.189	6.16	1.36	0.0	0.0	10.88	143		
1003	35	150	62.52	1.387	6.15	1.40	0.0	0.0	10.90	139		
1008	40	150	62.52	1.585	6.18	1.40	0.0	0.0	10.92	132		

Constituents Sampled	Container	Number	Preservative
VOCs 8260	40 mL	3	HCl

Well Information

Well Location: outside fence in ring of injection wells

Condition of Well: good

Well Completion: Flush Mount / Stick Up

Well Locked at Arrival: Yes / No

Well Locked at Departure: Yes / No

Key Number To Well: _____

NOTES: _____

Well Casing Volumes

Gallons/Foot					
	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

ARCADIS
Groundwater Sampling Form

Project No. _____ Well ID GT-16 Date 3/18/24

Project Name/Location GE Rivercrest / Schenectady Weather 35°F, cloudy

Measuring Pt. Description TIC Screen Setting (ft-bmp) - Casing Diameter (in.) 2 Well Material X PVC ___ SS ___ Other

Total Depth (ft-bmp) 76.93 Static Water Level (ft-bmp) 68.70 Water Column in Well 8.23 Gallons in Well 1.32

Calc. Gallons Purged 3.35 Pump Intake (ft-bmp) 72.82 Purge Method: Centrifugal ___ Submersible ___ Sample Method low flow

Gallons Purged 3.5 MP Elevation ___ Disp. Bailer ___ Other Bladder Pump On/Off 1034

Sample Time: Label 1345 Replicate/ Code No. ___ Sampled by AC

	0.1	3%	10%	1% or 0.1 IVTU	3%	10 mV

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
1243	0	125	69.15	0.125	8.60	0.165	440	0.0	12.22	94	brown	none
1248	5	300	69.26	0.2	8.20	0.179	419	0.0	12.80	-29		
1253	10	200	69.22	0.3	8.18	0.228	261	0.0	12.75	-44		
1258	15	200	69.14	0.5	8.14	0.291	183	0.0	12.68	-66		
1303	20	200	69.14	0.8	8.15	0.338	134	0.0	12.64	-76		
1308	25	200	69.14	1.5	8.17	0.405	91.4	0.0	12.57	-85		
1313	30	200	69.16	2	8.23	0.451	63.5	0.0	12.63	-92		
1318	35	200	69.14	2.25	8.29	0.496	46.1	0.0	12.64	-96		
1323	40	200	69.15	2.5	8.35	0.539	33.9	0.0	12.64	-100		
1328	45	200	69.14	2.75	8.40	0.555	26.6	0.0	12.72	-103		
1333	50	200	69.14	3	8.47	0.567	20.0	0.0	12.71	-104		
1338	55	200	69.14	3.25	8.5	0.604	15.5	0.0	12.69	-106		
1343	60	200	69.15	3.35	8.56	0.618	13.6	0.0	12.73	-107		

Constituents Sampled	Container	Number	Preservative
VOCs, 8260	40mL Vials	3	HCl

Well Information

Well Location: off dirt road in grass, E end of site

Condition of Well: good

Well Completion: (Flush Mount) / Stick Up

Well Locked at Arrival: (Yes) / No

Well Locked at Departure: (Yes) / No

Key Number To Well: ___

NOTES:

Well Casing Volumes

Gallons/Foot 1" = 0.04 1.25" = 0.06 1.5" = 0.09 2" = 0.16 2.5" = 0.26 3" = 0.37 3.5" = 0.50 4" = 0.65 6" = 1.47

ARCADIS

Water Level Measurement Form

Project Name: GE Riverview
Date: 3/18/2024
Project Number: 30006483
Weather: 39 F, Cloudy
Field Personnel: A. Gibson & A. Calderon

gallon/foot 2" = 0.16 3" = 0.37 4" = 0.65
2-½" = 0.26 3-½" = 0.50 6" = 1.47

Well ID	Time	DTB (ft)	DTW (ft)	Notes
VRI-9				Destroyed/Missing
IW-6	0945	62.17	66.6	
VRI-1	0947	69.94	62.57	
IW-3	0946	62.75	67.09	
VRI-10	1046	69.78	62.7	
GT-10				damaged
G2-2R	1053	67.63	62.31	
GT-1	1051	65.94	60.85	
GT-13				Destroyed
SMW-2	1101	68.24	63.73	
SMW-1	1106	70.68	61.71	
GT-5	1023	57.15	48.73	
VRI-7	1016	52.97	48.98	
VRI-6	1011	75.06	72.74	
GT-7	1008	68.47	55.92	
GT-16	1006	76.93	68.7	
GT-15	1027	76.98	69.81	
GT-9R	0951	67.08	62.57	
VRI-4	1033	78.38	71.54	
VRI-3	1036	78.8	69.37	
GT-14	1043	72.78	63.52	
VRI-2				Destroyed
GT-12				Could not access
GT-3	1058	67.63	59.41	

Notes:

Appendix B

2024 Groundwater Sampling - Laboratory Analytical Report

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Doug Weeks
Arcadis U.S., Inc.
201 Fuller Road
Suite 201
Albany NY 12203

Generated 03/28/2024

JOB DESCRIPTION

GE IMI Riverview

JOB NUMBER

480-218035-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

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Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

Generated
03/28/2024

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Table of Contents

Cover Page 1
Data Summaries 4
Report Narrative 4
Sample Summary 6
Detection Summary 7
Method Summary 9
Client Sample Results 10
Surrogate Summary 25
QC Sample Results 26
Definitions 37
QC Association 38
Chronicle 39
Certification Summary 41
Reagent Traceability 42
COAs 53
Organic Sample Data 59
GC/MS VOA 59
Method 8260C 59
Method 8260C QC Summary 60
Method 8260C Sample Data 86
Standards Data 217
Method 8260C ICAL Data 217
Method 8260C CCAL Data 736
Raw QC Data 787
Method 8260C Tune Data 787
Method 8260C Blank Data 811
Method 8260C LCS/LCSD Data 839
Method 8260C MS/MSD Data 860
Method 8260C Run Logs 872
Method 8260C Prep Data 878
Shipping and Receiving Documents 888
Client Chain of Custody 889
Sample Receipt Checklist 891

Job Narrative
480-218035-1

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 3/21/2024 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: VRI-1 (480-218035-2), IW-6 (480-218035-7) and DUP-03192024 (480-218035-8). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-704702 recovered above the upper control limit for trans-1,3-Dichloropropene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: VRI-3 (480-218035-1), VRI-1 (480-218035-2), VRI-4 (480-218035-3), GT-14 (480-218035-4), GT-9R (480-218035-5), GT-16 (480-218035-6), IW-6 (480-218035-7), DUP-03192024 (480-218035-8), EQUIPMENT BLANK-20240319 (480-218035-9) and IW-3 (480-218035-10).

Method 8260C: The laboratory control sample (LCS) for analytical batch 480-704702 recovered outside control limits for the following analyte: trans-1,3-Dichloropropene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: VRI-3 (480-218035-1), VRI-1 (480-218035-2), VRI-4 (480-218035-3), GT-14 (480-218035-4), GT-9R (480-218035-5), GT-16 (480-218035-6), IW-6 (480-218035-7), DUP-03192024 (480-218035-8), EQUIPMENT BLANK-20240319 (480-218035-9) and IW-3 (480-218035-10).

Method 8260C: Surrogate recovery in the continuing calibration verification (CCV) for 1,2-Dichloroethane-d4 (Surr) and Dibromofluoromethane (Surr) were outside the 20%D recovery but within house limits. The following samples are impacted: VRI-3 (480-218035-1), VRI-1 (480-218035-2), VRI-4 (480-218035-3), GT-14 (480-218035-4), GT-9R (480-218035-5), GT-16 (480-218035-6), IW-6 (480-218035-7), DUP-03192024 (480-218035-8), EQUIPMENT BLANK-20240319 (480-218035-9) and IW-3 (480-218035-10) .

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-704785 recovered above the upper control limit for 2-Hexanone and 4-Methyl-2-pentanone (MIBK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: TRIP BLANK-20240319 (480-218035-11) and VRI-10 (480-218035-12).

Method 8260C: The laboratory control sample (LCS) for analytical batch 480-704785 recovered outside control limits for the following analytes: 2-Hexanone and 1,1,2,2-Tetrachloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: TRIP BLANK-20240319 (480-218035-11) and VRI-10 (480-218035-12).

Method 8260C: The surrogate recovery for the blank associated with analytical batch 480-704702 was outside the upper control limits.

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-705062 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated sample is impacted: IW-3-MSD (480-218035-10[MSD]).

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

Sample Summary

Client: Arcadis U.S., Inc.
Project/Site: GE IMI Riverview

Job ID: 480-218035-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-218035-1	VRI-3	Water	03/19/24 10:15	03/21/24 10:00
480-218035-2	VRI-1	Water	03/19/24 12:10	03/21/24 10:00
480-218035-3	VRI-4	Water	03/19/24 11:52	03/21/24 10:00
480-218035-4	GT-14	Water	03/19/24 14:01	03/21/24 10:00
480-218035-5	GT-9R	Water	03/18/24 16:05	03/21/24 10:00
480-218035-6	GT-16	Water	03/18/24 13:45	03/21/24 10:00
480-218035-7	IW-6	Water	03/19/24 10:10	03/21/24 10:00
480-218035-8	DUP-03192024	Water	03/19/24 00:00	03/21/24 10:00
480-218035-9	EQUIPMENT BLANK-20240319	Water	03/19/24 15:20	03/21/24 10:00
480-218035-10	IW-3	Water	03/19/24 14:35	03/21/24 10:00
480-218035-11	TRIP BLANK-20240319	Water	03/18/24 00:00	03/21/24 10:00
480-218035-12	VRI-10	Water	03/19/24 15:57	03/21/24 10:00

Detection Summary

Client: Arcadis U.S., Inc.
Project/Site: GE IMI Riverview

Job ID: 480-218035-1

Client Sample ID: VRI-3 — Lab Sample ID: 480-218035-1

No Detections.

Client Sample ID: VRI-1 — Lab Sample ID: 480-218035-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	4100		100	75	ug/L	100		8260C	Total/NA
1,3,5-Trimethylbenzene	3300		100	77	ug/L	100		8260C	Total/NA
Isopropylbenzene	160		100	79	ug/L	100		8260C	Total/NA
N-Propylbenzene	110		100	69	ug/L	100		8260C	Total/NA
Styrene	160		100	73	ug/L	100		8260C	Total/NA
Xylenes, Total	5400		200	66	ug/L	100		8260C	Total/NA

Client Sample ID: VRI-4 — Lab Sample ID: 480-218035-3

No Detections.

Client Sample ID: GT-14 — Lab Sample ID: 480-218035-4

No Detections.

Client Sample ID: GT-9R — Lab Sample ID: 480-218035-5

No Detections.

Client Sample ID: GT-16 — Lab Sample ID: 480-218035-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.4		1.0	0.34	ug/L	1		8260C	Total/NA
Trichloroethene	1.6		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: IW-6 — Lab Sample ID: 480-218035-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	11000		200	150	ug/L	200		8260C	Total/NA
1,3,5-Trimethylbenzene	4000		200	150	ug/L	200		8260C	Total/NA
Ethylbenzene	150	J	200	150	ug/L	200		8260C	Total/NA
Isopropylbenzene	830		200	160	ug/L	200		8260C	Total/NA
N-Propylbenzene	1000		200	140	ug/L	200		8260C	Total/NA
Styrene	260		200	150	ug/L	200		8260C	Total/NA
Xylenes, Total	9700		400	130	ug/L	200		8260C	Total/NA

Client Sample ID: DUP-03192024 — Lab Sample ID: 480-218035-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	4200		100	75	ug/L	100		8260C	Total/NA
1,3,5-Trimethylbenzene	3300		100	77	ug/L	100		8260C	Total/NA
Isopropylbenzene	150		100	79	ug/L	100		8260C	Total/NA
N-Propylbenzene	110		100	69	ug/L	100		8260C	Total/NA
Styrene	160		100	73	ug/L	100		8260C	Total/NA
Xylenes, Total	5300		200	66	ug/L	100		8260C	Total/NA

Client Sample ID: EQUIPMENT BLANK-20240319 — Lab Sample ID: 480-218035-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	1.8	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	3.4	J	10	3.0	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Arcadis U.S., Inc.
Project/Site: GE IMI Riverview

Job ID: 480-218035-1

Client Sample ID: IW-3 — Lab Sample ID: 480-218035-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	29	F1	1.0	0.75	ug/L	1		8260C	Total/NA
1,3,5-Trimethylbenzene	24	F1	1.0	0.77	ug/L	1		8260C	Total/NA
Chloroform	0.35	J	1.0	0.34	ug/L	1		8260C	Total/NA
Xylenes, Total	11	F1	2.0	0.66	ug/L	1		8260C	Total/NA

Client Sample ID: TRIP BLANK-20240319 — Lab Sample ID: 480-218035-11

No Detections.

Client Sample ID: VRI-10 — Lab Sample ID: 480-218035-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.53	J	1.0	0.34	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Arcadis U.S., Inc.
Job ID: 480-218035-1
Project/Site: GE IMI Riverview

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

Protocol References:

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

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Client Sample ID: VRI-3

Date Collected: 03/19/24 10:15
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/24 15:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/24 15:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/22/24 15:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/24 15:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/24 15:17	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/24 15:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/24 15:17	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/22/24 15:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/24 15:17	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/22/24 15:17	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/24 15:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/24 15:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/24 15:17	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/22/24 15:17	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/24 15:17	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/24 15:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/24 15:17	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/24 15:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/24 15:17	1
Acetone	ND		10	3.0	ug/L			03/22/24 15:17	1
Benzene	ND		1.0	0.41	ug/L			03/22/24 15:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/24 15:17	1
Bromoform	ND		1.0	0.26	ug/L			03/22/24 15:17	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/24 15:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/24 15:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/24 15:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/24 15:17	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/24 15:17	1
Chloroform	ND		1.0	0.34	ug/L			03/22/24 15:17	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/24 15:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/24 15:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/24 15:17	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/24 15:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/22/24 15:17	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/24 15:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/24 15:17	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/24 15:17	1
Methyl acetate	ND		2.5	1.3	ug/L			03/22/24 15:17	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/24 15:17	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/24 15:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/24 15:17	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/22/24 15:17	1
Styrene	ND		1.0	0.73	ug/L			03/22/24 15:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/24 15:17	1
Toluene	ND		1.0	0.51	ug/L			03/22/24 15:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/24 15:17	1
trans-1,3-Dichloropropene	ND	*+	1.0	0.37	ug/L			03/22/24 15:17	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/24 15:17	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/24 15:17	1

Client Sample ID: VRI-3

Date Collected: 03/19/24 10:15
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/24 15:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/24 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 120*		*03/22/24 15:17*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*03/22/24 15:17*	*1*
Dibromofluoromethane (Surr)	*84*		*75 - 123*		*03/22/24 15:17*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*03/22/24 15:17*	*1*

Client Sample ID: VRI-1

Date Collected: 03/19/24 12:10
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	82	ug/L			03/22/24 15:39	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			03/22/24 15:39	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			03/22/24 15:39	100
1,1,2-Trichloroethane	ND		100	23	ug/L			03/22/24 15:39	100
1,1-Dichloroethane	ND		100	38	ug/L			03/22/24 15:39	100
1,1-Dichloroethene	ND		100	29	ug/L			03/22/24 15:39	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			03/22/24 15:39	100
1,2,4-Trimethylbenzene	**4100**		100	75	ug/L			03/22/24 15:39	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			03/22/24 15:39	100
1,2-Dibromoethane	ND		100	73	ug/L			03/22/24 15:39	100
1,2-Dichlorobenzene	ND		100	79	ug/L			03/22/24 15:39	100
1,2-Dichloroethane	ND		100	21	ug/L			03/22/24 15:39	100
1,2-Dichloropropane	ND		100	72	ug/L			03/22/24 15:39	100
1,3,5-Trimethylbenzene	**3300**		100	77	ug/L			03/22/24 15:39	100
1,3-Dichlorobenzene	ND		100	78	ug/L			03/22/24 15:39	100
1,4-Dichlorobenzene	ND		100	84	ug/L			03/22/24 15:39	100
2-Butanone (MEK)	ND		1000	130	ug/L			03/22/24 15:39	100
2-Hexanone	ND		500	120	ug/L			03/22/24 15:39	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			03/22/24 15:39	100
Acetone	ND		1000	300	ug/L			03/22/24 15:39	100
Benzene	ND		100	41	ug/L			03/22/24 15:39	100
Bromodichloromethane	ND		100	39	ug/L			03/22/24 15:39	100
Bromoform	ND		100	26	ug/L			03/22/24 15:39	100
Bromomethane	ND		100	69	ug/L			03/22/24 15:39	100
Carbon disulfide	ND		100	19	ug/L			03/22/24 15:39	100
Carbon tetrachloride	ND		100	27	ug/L			03/22/24 15:39	100
Chlorobenzene	ND		100	75	ug/L			03/22/24 15:39	100
Chloroethane	ND		100	32	ug/L			03/22/24 15:39	100
Chloroform	ND		100	34	ug/L			03/22/24 15:39	100
Chloromethane	ND		100	35	ug/L			03/22/24 15:39	100
cis-1,2-Dichloroethene	ND		100	81	ug/L			03/22/24 15:39	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			03/22/24 15:39	100
Cyclohexane	ND		100	18	ug/L			03/22/24 15:39	100
Dibromochloromethane	ND		100	32	ug/L			03/22/24 15:39	100
Dichlorodifluoromethane	ND		100	68	ug/L			03/22/24 15:39	100

Client Sample ID: VRI-1

Date Collected: 03/19/24 12:10
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		100	74	ug/L			03/22/24 15:39	100
Isopropylbenzene	**160**		100	79	ug/L			03/22/24 15:39	100
Methyl acetate	ND		250	130	ug/L			03/22/24 15:39	100
Methyl tert-butyl ether	ND		100	16	ug/L			03/22/24 15:39	100
Methylcyclohexane	ND		100	16	ug/L			03/22/24 15:39	100
Methylene Chloride	ND		100	44	ug/L			03/22/24 15:39	100
N-Propylbenzene	**110**		100	69	ug/L			03/22/24 15:39	100
Styrene	**160**		100	73	ug/L			03/22/24 15:39	100
Tetrachloroethene	ND		100	36	ug/L			03/22/24 15:39	100
Toluene	ND		100	51	ug/L			03/22/24 15:39	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			03/22/24 15:39	100
trans-1,3-Dichloropropene	ND	*+	100	37	ug/L			03/22/24 15:39	100
Trichloroethene	ND		100	46	ug/L			03/22/24 15:39	100
Trichlorofluoromethane	ND		100	88	ug/L			03/22/24 15:39	100
Vinyl chloride	ND		100	90	ug/L			03/22/24 15:39	100
Xylenes, Total	**5400**		200	66	ug/L			03/22/24 15:39	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*		*03/22/24 15:39*	*100*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*03/22/24 15:39*	*100*
Dibromofluoromethane (Surr)	*85*		*75 - 123*		*03/22/24 15:39*	*100*
Toluene-d8 (Surr)	*107*		*80 - 120*		*03/22/24 15:39*	*100*

Client Sample ID: VRI-4

Date Collected: 03/19/24 11:52
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/24 16:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/24 16:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/22/24 16:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/24 16:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/24 16:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/24 16:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/24 16:01	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/22/24 16:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/24 16:01	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/22/24 16:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/24 16:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/24 16:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/24 16:01	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/22/24 16:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/24 16:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/24 16:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/24 16:01	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/24 16:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/24 16:01	1
Acetone	ND		10	3.0	ug/L			03/22/24 16:01	1
Benzene	ND		1.0	0.41	ug/L			03/22/24 16:01	1

Client Sample ID: VRI-4

Date Collected: 03/19/24 11:52
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/24 16:01	1
Bromoform	ND		1.0	0.26	ug/L			03/22/24 16:01	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/24 16:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/24 16:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/24 16:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/24 16:01	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/24 16:01	1
Chloroform	ND		1.0	0.34	ug/L			03/22/24 16:01	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/24 16:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/24 16:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/24 16:01	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/24 16:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/22/24 16:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/24 16:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/24 16:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/24 16:01	1
Methyl acetate	ND		2.5	1.3	ug/L			03/22/24 16:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/24 16:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/24 16:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/24 16:01	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/22/24 16:01	1
Styrene	ND		1.0	0.73	ug/L			03/22/24 16:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/24 16:01	1
Toluene	ND		1.0	0.51	ug/L			03/22/24 16:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/24 16:01	1
trans-1,3-Dichloropropene	ND	*+	1.0	0.37	ug/L			03/22/24 16:01	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/24 16:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/24 16:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/24 16:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/24 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*77 - 120*		*03/22/24 16:01*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*03/22/24 16:01*	*1*
Dibromofluoromethane (Surr)	*79*		*75 - 123*		*03/22/24 16:01*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/22/24 16:01*	*1*

Client Sample ID: GT-14

Date Collected: 03/19/24 14:01
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/24 16:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/24 16:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/22/24 16:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/24 16:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/24 16:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/24 16:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/24 16:24	1

Client Sample ID: GT-14

Date Collected: 03/19/24 14:01
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/22/24 16:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/24 16:24	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/22/24 16:24	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/24 16:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/24 16:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/24 16:24	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/22/24 16:24	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/24 16:24	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/24 16:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/24 16:24	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/24 16:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/24 16:24	1
Acetone	ND		10	3.0	ug/L			03/22/24 16:24	1
Benzene	ND		1.0	0.41	ug/L			03/22/24 16:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/24 16:24	1
Bromoform	ND		1.0	0.26	ug/L			03/22/24 16:24	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/24 16:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/24 16:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/24 16:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/24 16:24	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/24 16:24	1
Chloroform	ND		1.0	0.34	ug/L			03/22/24 16:24	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/24 16:24	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/24 16:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/24 16:24	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/24 16:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/22/24 16:24	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/24 16:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/24 16:24	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/24 16:24	1
Methyl acetate	ND		2.5	1.3	ug/L			03/22/24 16:24	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/24 16:24	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/24 16:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/24 16:24	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/22/24 16:24	1
Styrene	ND		1.0	0.73	ug/L			03/22/24 16:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/24 16:24	1
Toluene	ND		1.0	0.51	ug/L			03/22/24 16:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/24 16:24	1
trans-1,3-Dichloropropene	ND	*+	1.0	0.37	ug/L			03/22/24 16:24	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/24 16:24	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/24 16:24	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/24 16:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/24 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*		*77 - 120*		*03/22/24 16:24*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*03/22/24 16:24*	*1*
Dibromofluoromethane (Surr)	*79*		*75 - 123*		*03/22/24 16:24*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*03/22/24 16:24*	*1*

Client Sample ID: GT-9R

Date Collected: 03/18/24 16:05
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/24 16:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/24 16:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/22/24 16:46	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/24 16:46	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/24 16:46	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/24 16:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/24 16:46	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/22/24 16:46	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/24 16:46	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/22/24 16:46	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/24 16:46	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/24 16:46	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/24 16:46	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/22/24 16:46	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/24 16:46	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/24 16:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/24 16:46	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/24 16:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/24 16:46	1
Acetone	ND		10	3.0	ug/L			03/22/24 16:46	1
Benzene	ND		1.0	0.41	ug/L			03/22/24 16:46	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/24 16:46	1
Bromoform	ND		1.0	0.26	ug/L			03/22/24 16:46	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/24 16:46	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/24 16:46	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/24 16:46	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/24 16:46	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/24 16:46	1
Chloroform	ND		1.0	0.34	ug/L			03/22/24 16:46	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/24 16:46	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/24 16:46	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/24 16:46	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/24 16:46	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/22/24 16:46	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/24 16:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/24 16:46	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/24 16:46	1
Methyl acetate	ND		2.5	1.3	ug/L			03/22/24 16:46	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/24 16:46	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/24 16:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/24 16:46	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/22/24 16:46	1
Styrene	ND		1.0	0.73	ug/L			03/22/24 16:46	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/24 16:46	1
Toluene	ND		1.0	0.51	ug/L			03/22/24 16:46	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/24 16:46	1
trans-1,3-Dichloropropene	ND	*+	1.0	0.37	ug/L			03/22/24 16:46	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/24 16:46	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/24 16:46	1

Client Sample ID: GT-9R

Date Collected: 03/18/24 16:05
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/24 16:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/24 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*77 - 120*		*03/22/24 16:46*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*03/22/24 16:46*	*1*
Dibromofluoromethane (Surr)	*81*		*75 - 123*		*03/22/24 16:46*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*03/22/24 16:46*	*1*

Client Sample ID: GT-16

Date Collected: 03/18/24 13:45
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/24 17:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/24 17:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/22/24 17:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/24 17:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/24 17:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/24 17:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/24 17:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/22/24 17:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/24 17:08	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/22/24 17:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/24 17:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/24 17:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/24 17:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/22/24 17:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/24 17:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/24 17:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/24 17:08	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/24 17:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/24 17:08	1
Acetone	ND		10	3.0	ug/L			03/22/24 17:08	1
Benzene	ND		1.0	0.41	ug/L			03/22/24 17:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/24 17:08	1
Bromoform	ND		1.0	0.26	ug/L			03/22/24 17:08	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/24 17:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/24 17:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/24 17:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/24 17:08	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/24 17:08	1
Chloroform	**1.4**		1.0	0.34	ug/L			03/22/24 17:08	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/24 17:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/24 17:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/24 17:08	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/24 17:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/22/24 17:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/24 17:08	1

Client Sample ID: GT-16

Date Collected: 03/18/24 13:45
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/24 17:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/24 17:08	1
Methyl acetate	ND		2.5	1.3	ug/L			03/22/24 17:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/24 17:08	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/24 17:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/24 17:08	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/22/24 17:08	1
Styrene	ND		1.0	0.73	ug/L			03/22/24 17:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/24 17:08	1
Toluene	ND		1.0	0.51	ug/L			03/22/24 17:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/24 17:08	1
trans-1,3-Dichloropropene	ND	*+	1.0	0.37	ug/L			03/22/24 17:08	1
Trichloroethene	**1.6**		1.0	0.46	ug/L			03/22/24 17:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/24 17:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/24 17:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/24 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*82*		*77 - 120*		*03/22/24 17:08*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*03/22/24 17:08*	*1*
Dibromofluoromethane (Surr)	*76*		*75 - 123*		*03/22/24 17:08*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*03/22/24 17:08*	*1*

Client Sample ID: IW-6

Date Collected: 03/19/24 10:10
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		200	160	ug/L			03/22/24 17:31	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			03/22/24 17:31	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	62	ug/L			03/22/24 17:31	200
1,1,2-Trichloroethane	ND		200	46	ug/L			03/22/24 17:31	200
1,1-Dichloroethane	ND		200	76	ug/L			03/22/24 17:31	200
1,1-Dichloroethene	ND		200	58	ug/L			03/22/24 17:31	200
1,2,4-Trichlorobenzene	ND		200	82	ug/L			03/22/24 17:31	200
1,2,4-Trimethylbenzene	**11000**		200	150	ug/L			03/22/24 17:31	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			03/22/24 17:31	200
1,2-Dibromoethane	ND		200	150	ug/L			03/22/24 17:31	200
1,2-Dichlorobenzene	ND		200	160	ug/L			03/22/24 17:31	200
1,2-Dichloroethane	ND		200	42	ug/L			03/22/24 17:31	200
1,2-Dichloropropane	ND		200	140	ug/L			03/22/24 17:31	200
1,3,5-Trimethylbenzene	**4000**		200	150	ug/L			03/22/24 17:31	200
1,3-Dichlorobenzene	ND		200	160	ug/L			03/22/24 17:31	200
1,4-Dichlorobenzene	ND		200	170	ug/L			03/22/24 17:31	200
2-Butanone (MEK)	ND		2000	260	ug/L			03/22/24 17:31	200
2-Hexanone	ND		1000	250	ug/L			03/22/24 17:31	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			03/22/24 17:31	200
Acetone	ND		2000	600	ug/L			03/22/24 17:31	200
Benzene	ND		200	82	ug/L			03/22/24 17:31	200

Client Sample ID: IW-6

Date Collected: 03/19/24 10:10
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		200	78	ug/L			03/22/24 17:31	200
Bromoform	ND		200	52	ug/L			03/22/24 17:31	200
Bromomethane	ND		200	140	ug/L			03/22/24 17:31	200
Carbon disulfide	ND		200	38	ug/L			03/22/24 17:31	200
Carbon tetrachloride	ND		200	54	ug/L			03/22/24 17:31	200
Chlorobenzene	ND		200	150	ug/L			03/22/24 17:31	200
Chloroethane	ND		200	64	ug/L			03/22/24 17:31	200
Chloroform	ND		200	68	ug/L			03/22/24 17:31	200
Chloromethane	ND		200	70	ug/L			03/22/24 17:31	200
cis-1,2-Dichloroethene	ND		200	160	ug/L			03/22/24 17:31	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			03/22/24 17:31	200
Cyclohexane	ND		200	36	ug/L			03/22/24 17:31	200
Dibromochloromethane	ND		200	64	ug/L			03/22/24 17:31	200
Dichlorodifluoromethane	ND		200	140	ug/L			03/22/24 17:31	200
Ethylbenzene	**150**	**J**	200	150	ug/L			03/22/24 17:31	200
Isopropylbenzene	**830**		200	160	ug/L			03/22/24 17:31	200
Methyl acetate	ND		500	260	ug/L			03/22/24 17:31	200
Methyl tert-butyl ether	ND		200	32	ug/L			03/22/24 17:31	200
Methylcyclohexane	ND		200	32	ug/L			03/22/24 17:31	200
Methylene Chloride	ND		200	88	ug/L			03/22/24 17:31	200
N-Propylbenzene	**1000**		200	140	ug/L			03/22/24 17:31	200
Styrene	**260**		200	150	ug/L			03/22/24 17:31	200
Tetrachloroethene	ND		200	72	ug/L			03/22/24 17:31	200
Toluene	ND		200	100	ug/L			03/22/24 17:31	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			03/22/24 17:31	200
trans-1,3-Dichloropropene	ND	*+	200	74	ug/L			03/22/24 17:31	200
Trichloroethene	ND		200	92	ug/L			03/22/24 17:31	200
Trichlorofluoromethane	ND		200	180	ug/L			03/22/24 17:31	200
Vinyl chloride	ND		200	180	ug/L			03/22/24 17:31	200
Xylenes, Total	**9700**		400	130	ug/L			03/22/24 17:31	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 120*		*03/22/24 17:31*	*200*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*03/22/24 17:31*	*200*
Dibromofluoromethane (Surr)	*82*		*75 - 123*		*03/22/24 17:31*	*200*
Toluene-d8 (Surr)	*107*		*80 - 120*		*03/22/24 17:31*	*200*

Client Sample ID: DUP-03192024

Date Collected: 03/19/24 00:00
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	82	ug/L			03/22/24 17:53	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			03/22/24 17:53	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			03/22/24 17:53	100
1,1,2-Trichloroethane	ND		100	23	ug/L			03/22/24 17:53	100
1,1-Dichloroethane	ND		100	38	ug/L			03/22/24 17:53	100
1,1-Dichloroethene	ND		100	29	ug/L			03/22/24 17:53	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			03/22/24 17:53	100

Client Sample ID: DUP-03192024

Date Collected: 03/19/24 00:00
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**4200**		100	75	ug/L			03/22/24 17:53	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			03/22/24 17:53	100
1,2-Dibromoethane	ND		100	73	ug/L			03/22/24 17:53	100
1,2-Dichlorobenzene	ND		100	79	ug/L			03/22/24 17:53	100
1,2-Dichloroethane	ND		100	21	ug/L			03/22/24 17:53	100
1,2-Dichloropropane	ND		100	72	ug/L			03/22/24 17:53	100
1,3,5-Trimethylbenzene	**3300**		100	77	ug/L			03/22/24 17:53	100
1,3-Dichlorobenzene	ND		100	78	ug/L			03/22/24 17:53	100
1,4-Dichlorobenzene	ND		100	84	ug/L			03/22/24 17:53	100
2-Butanone (MEK)	ND		1000	130	ug/L			03/22/24 17:53	100
2-Hexanone	ND		500	120	ug/L			03/22/24 17:53	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			03/22/24 17:53	100
Acetone	ND		1000	300	ug/L			03/22/24 17:53	100
Benzene	ND		100	41	ug/L			03/22/24 17:53	100
Bromodichloromethane	ND		100	39	ug/L			03/22/24 17:53	100
Bromoform	ND		100	26	ug/L			03/22/24 17:53	100
Bromomethane	ND		100	69	ug/L			03/22/24 17:53	100
Carbon disulfide	ND		100	19	ug/L			03/22/24 17:53	100
Carbon tetrachloride	ND		100	27	ug/L			03/22/24 17:53	100
Chlorobenzene	ND		100	75	ug/L			03/22/24 17:53	100
Chloroethane	ND		100	32	ug/L			03/22/24 17:53	100
Chloroform	ND		100	34	ug/L			03/22/24 17:53	100
Chloromethane	ND		100	35	ug/L			03/22/24 17:53	100
cis-1,2-Dichloroethene	ND		100	81	ug/L			03/22/24 17:53	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			03/22/24 17:53	100
Cyclohexane	ND		100	18	ug/L			03/22/24 17:53	100
Dibromochloromethane	ND		100	32	ug/L			03/22/24 17:53	100
Dichlorodifluoromethane	ND		100	68	ug/L			03/22/24 17:53	100
Ethylbenzene	ND		100	74	ug/L			03/22/24 17:53	100
Isopropylbenzene	**150**		100	79	ug/L			03/22/24 17:53	100
Methyl acetate	ND		250	130	ug/L			03/22/24 17:53	100
Methyl tert-butyl ether	ND		100	16	ug/L			03/22/24 17:53	100
Methylcyclohexane	ND		100	16	ug/L			03/22/24 17:53	100
Methylene Chloride	ND		100	44	ug/L			03/22/24 17:53	100
N-Propylbenzene	**110**		100	69	ug/L			03/22/24 17:53	100
Styrene	**160**		100	73	ug/L			03/22/24 17:53	100
Tetrachloroethene	ND		100	36	ug/L			03/22/24 17:53	100
Toluene	ND		100	51	ug/L			03/22/24 17:53	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			03/22/24 17:53	100
trans-1,3-Dichloropropene	ND	*+	100	37	ug/L			03/22/24 17:53	100
Trichloroethene	ND		100	46	ug/L			03/22/24 17:53	100
Trichlorofluoromethane	ND		100	88	ug/L			03/22/24 17:53	100
Vinyl chloride	ND		100	90	ug/L			03/22/24 17:53	100
Xylenes, Total	**5300**		200	66	ug/L			03/22/24 17:53	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 120*		*03/22/24 17:53*	*100*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*03/22/24 17:53*	*100*
Dibromofluoromethane (Surr)	*84*		*75 - 123*		*03/22/24 17:53*	*100*
Toluene-d8 (Surr)	*108*		*80 - 120*		*03/22/24 17:53*	*100*

Client Sample ID: EQUIPMENT BLANK-20240319

Date Collected: 03/19/24 15:20
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/24 18:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/24 18:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/22/24 18:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/24 18:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/24 18:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/24 18:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/24 18:15	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/22/24 18:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/24 18:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/22/24 18:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/24 18:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/24 18:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/24 18:15	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/22/24 18:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/24 18:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/24 18:15	1
2-Butanone (MEK)	**1.8**	**J**	10	1.3	ug/L			03/22/24 18:15	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/24 18:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/24 18:15	1
Acetone	**3.4**	**J**	10	3.0	ug/L			03/22/24 18:15	1
Benzene	ND		1.0	0.41	ug/L			03/22/24 18:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/24 18:15	1
Bromoform	ND		1.0	0.26	ug/L			03/22/24 18:15	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/24 18:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/24 18:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/24 18:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/24 18:15	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/24 18:15	1
Chloroform	ND		1.0	0.34	ug/L			03/22/24 18:15	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/24 18:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/24 18:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/24 18:15	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/24 18:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/22/24 18:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/24 18:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/24 18:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/24 18:15	1
Methyl acetate	ND		2.5	1.3	ug/L			03/22/24 18:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/24 18:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/24 18:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/24 18:15	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/22/24 18:15	1
Styrene	ND		1.0	0.73	ug/L			03/22/24 18:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/24 18:15	1
Toluene	ND		1.0	0.51	ug/L			03/22/24 18:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/24 18:15	1
trans-1,3-Dichloropropene	ND	*+	1.0	0.37	ug/L			03/22/24 18:15	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/24 18:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/24 18:15	1

Client Sample ID: EQUIPMENT BLANK-20240319

Lab Sample ID: 480-218035-9

Date Collected: 03/19/24 15:20

Matrix: Water

Date Received: 03/21/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/24 18:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/24 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*83*		*77 - 120*		*03/22/24 18:15*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*03/22/24 18:15*	*1*
Dibromofluoromethane (Surr)	*84*		*75 - 123*		*03/22/24 18:15*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*03/22/24 18:15*	*1*

Client Sample ID: IW-3

Lab Sample ID: 480-218035-10

Date Collected: 03/19/24 14:35

Matrix: Water

Date Received: 03/21/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/26/24 16:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/26/24 16:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/26/24 16:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/26/24 16:05	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/26/24 16:05	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/26/24 16:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/26/24 16:05	1
1,2,4-Trimethylbenzene	**29**	**F1**	1.0	0.75	ug/L			03/26/24 16:05	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/26/24 16:05	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/26/24 16:05	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/26/24 16:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/26/24 16:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/26/24 16:05	1
1,3,5-Trimethylbenzene	**24**	**F1**	1.0	0.77	ug/L			03/26/24 16:05	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/26/24 16:05	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/26/24 16:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/26/24 16:05	1
2-Hexanone	ND		5.0	1.2	ug/L			03/26/24 16:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/26/24 16:05	1
Acetone	ND		10	3.0	ug/L			03/26/24 16:05	1
Benzene	ND		1.0	0.41	ug/L			03/26/24 16:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/26/24 16:05	1
Bromoform	ND		1.0	0.26	ug/L			03/26/24 16:05	1
Bromomethane	ND		1.0	0.69	ug/L			03/26/24 16:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/26/24 16:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/26/24 16:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/26/24 16:05	1
Chloroethane	ND		1.0	0.32	ug/L			03/26/24 16:05	1
Chloroform	**0.35**	**J**	1.0	0.34	ug/L			03/26/24 16:05	1
Chloromethane	ND		1.0	0.35	ug/L			03/26/24 16:05	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/26/24 16:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/26/24 16:05	1
Cyclohexane	ND		1.0	0.18	ug/L			03/26/24 16:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/26/24 16:05	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/26/24 16:05	1

Client Sample ID: IW-3

Date Collected: 03/19/24 14:35
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			03/26/24 16:05	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/26/24 16:05	1
Methyl acetate	ND		2.5	1.3	ug/L			03/26/24 16:05	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/26/24 16:05	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/26/24 16:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/26/24 16:05	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/26/24 16:05	1
Styrene	ND		1.0	0.73	ug/L			03/26/24 16:05	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/26/24 16:05	1
Toluene	ND		1.0	0.51	ug/L			03/26/24 16:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/26/24 16:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/26/24 16:05	1
Trichloroethene	ND		1.0	0.46	ug/L			03/26/24 16:05	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/26/24 16:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/26/24 16:05	1
Xylenes, Total	**11**	**F1**	2.0	0.66	ug/L			03/26/24 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*03/26/24 16:05*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*03/26/24 16:05*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*03/26/24 16:05*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*03/26/24 16:05*	*1*

Client Sample ID: TRIP BLANK-20240319

Date Collected: 03/18/24 00:00
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/23/24 08:04	1
1,1,2,2-Tetrachloroethane	ND	*+	1.0	0.21	ug/L			03/23/24 08:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/23/24 08:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/23/24 08:04	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/23/24 08:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/23/24 08:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/23/24 08:04	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/23/24 08:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/23/24 08:04	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/23/24 08:04	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/23/24 08:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/23/24 08:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/23/24 08:04	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/23/24 08:04	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/23/24 08:04	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/23/24 08:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/23/24 08:04	1
2-Hexanone	ND	*+	5.0	1.2	ug/L			03/23/24 08:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/23/24 08:04	1
Acetone	ND		10	3.0	ug/L			03/23/24 08:04	1
Benzene	ND		1.0	0.41	ug/L			03/23/24 08:04	1

Client Sample ID: TRIP BLANK-20240319

Lab Sample ID: 480-218035-11

Date Collected: 03/18/24 00:00
Matrix: Water
Date Received: 03/21/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.39	ug/L			03/23/24 08:04	1
Bromoform	ND		1.0	0.26	ug/L			03/23/24 08:04	1
Bromomethane	ND		1.0	0.69	ug/L			03/23/24 08:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/23/24 08:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/23/24 08:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/23/24 08:04	1
Chloroethane	ND		1.0	0.32	ug/L			03/23/24 08:04	1
Chloroform	ND		1.0	0.34	ug/L			03/23/24 08:04	1
Chloromethane	ND		1.0	0.35	ug/L			03/23/24 08:04	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/23/24 08:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/23/24 08:04	1
Cyclohexane	ND		1.0	0.18	ug/L			03/23/24 08:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/23/24 08:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/23/24 08:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/23/24 08:04	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/23/24 08:04	1
Methyl acetate	ND		2.5	1.3	ug/L			03/23/24 08:04	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/23/24 08:04	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/23/24 08:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/23/24 08:04	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/23/24 08:04	1
Styrene	ND		1.0	0.73	ug/L			03/23/24 08:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/23/24 08:04	1
Toluene	ND		1.0	0.51	ug/L			03/23/24 08:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/23/24 08:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/23/24 08:04	1
Trichloroethene	ND		1.0	0.46	ug/L			03/23/24 08:04	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/23/24 08:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/23/24 08:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/23/24 08:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*03/23/24 08:04*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*03/23/24 08:04*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*03/23/24 08:04*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*03/23/24 08:04*	*1*

Client Sample ID: VRI-10

Lab Sample ID: 480-218035-12

Date Collected: 03/19/24 15:57
Matrix: Water
Date Received: 03/21/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/23/24 08:27	1
1,1,2,2-Tetrachloroethane	ND	*+	1.0	0.21	ug/L			03/23/24 08:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/23/24 08:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/23/24 08:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/23/24 08:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/23/24 08:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/23/24 08:27	1

Client Sample ID: VRI-10

Date Collected: 03/19/24 15:57
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/23/24 08:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/23/24 08:27	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/23/24 08:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/23/24 08:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/23/24 08:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/23/24 08:27	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/23/24 08:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/23/24 08:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/23/24 08:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/23/24 08:27	1
2-Hexanone	ND	*+	5.0	1.2	ug/L			03/23/24 08:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/23/24 08:27	1
Acetone	ND		10	3.0	ug/L			03/23/24 08:27	1
Benzene	ND		1.0	0.41	ug/L			03/23/24 08:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/23/24 08:27	1
Bromoform	ND		1.0	0.26	ug/L			03/23/24 08:27	1
Bromomethane	ND		1.0	0.69	ug/L			03/23/24 08:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/23/24 08:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/23/24 08:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/23/24 08:27	1
Chloroethane	ND		1.0	0.32	ug/L			03/23/24 08:27	1
Chloroform	**0.53**	**J**	1.0	0.34	ug/L			03/23/24 08:27	1
Chloromethane	ND		1.0	0.35	ug/L			03/23/24 08:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/23/24 08:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/23/24 08:27	1
Cyclohexane	ND		1.0	0.18	ug/L			03/23/24 08:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/23/24 08:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/23/24 08:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/23/24 08:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/23/24 08:27	1
Methyl acetate	ND		2.5	1.3	ug/L			03/23/24 08:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/23/24 08:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/23/24 08:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/23/24 08:27	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/23/24 08:27	1
Styrene	ND		1.0	0.73	ug/L			03/23/24 08:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/23/24 08:27	1
Toluene	ND		1.0	0.51	ug/L			03/23/24 08:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/23/24 08:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/23/24 08:27	1
Trichloroethene	ND		1.0	0.46	ug/L			03/23/24 08:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/23/24 08:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/23/24 08:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/23/24 08:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*03/23/24 08:27*	*1*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*03/23/24 08:27*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*03/23/24 08:27*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/23/24 08:27*	*1*

Surrogate Summary

Client: Arcadis U.S., Inc.
Project/Site: GE IMI Riverview

Job ID: 480-218035-1

Method: 8260C - 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	(77-120)	(73-120)	(75-123)	(80-120)
480-218035-1	VRI-3	87	94	84	105
480-218035-2	VRI-1	89	101	85	107
480-218035-3	VRI-4	85	97	79	102
480-218035-4	GT-14	80	95	79	104
480-218035-5	GT-9R	85	98	81	106
480-218035-6	GT-16	82	96	76	105
480-218035-7	IW-6	86	99	82	107
480-218035-8	DUP-03192024	86	102	84	108
480-218035-9	EQUIPMENT BLANK-20240319	83	98	84	106
480-218035-10	IW-3	103	103	105	106
480-218035-10 MS	IW-3-MS	102	100	107	104
480-218035-10 MSD	IW-3-MSD	98	103	101	103
480-218035-11	TRIP BLANK-20240319	101	90	94	91
480-218035-12	VRI-10	95	89	93	94
LCS 480-704702/6	Lab Control Sample	80	95	77	104
LCS 480-704785/6	Lab Control Sample	89	95	86	97
LCS 480-705062/6	Lab Control Sample	99	98	106	99
MB 480-704702/8	Method Blank	79	93	73 S1-	102
MB 480-704785/8	Method Blank	94	94	91	94
MB 480-705062/8	Method Blank	102	98	103	102

Surrogate Legend

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

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

Lab Sample ID: MB 480-704702/8
Matrix: Water
Analysis Batch: 704702

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-Trichloroethane	ND		1.0	0.82	ug/L			03/22/24 13:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/24 13:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/22/24 13:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/24 13:54	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/24 13:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/24 13:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/24 13:54	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/22/24 13:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/24 13:54	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/22/24 13:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/24 13:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/24 13:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/24 13:54	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/22/24 13:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/24 13:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/24 13:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/24 13:54	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/24 13:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/24 13:54	1
Acetone	ND		10	3.0	ug/L			03/22/24 13:54	1
Benzene	ND		1.0	0.41	ug/L			03/22/24 13:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/24 13:54	1
Bromoform	ND		1.0	0.26	ug/L			03/22/24 13:54	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/24 13:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/24 13:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/24 13:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/24 13:54	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/24 13:54	1
Chloroform	ND		1.0	0.34	ug/L			03/22/24 13:54	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/24 13:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/24 13:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/24 13:54	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/24 13:54	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/22/24 13:54	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/24 13:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/24 13:54	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/24 13:54	1
Methyl acetate	ND		2.5	1.3	ug/L			03/22/24 13:54	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/24 13:54	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/24 13:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/24 13:54	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/22/24 13:54	1
Styrene	ND		1.0	0.73	ug/L			03/22/24 13:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/24 13:54	1
Toluene	ND		1.0	0.51	ug/L			03/22/24 13:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/24 13:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/22/24 13:54	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/24 13:54	1

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

Lab Sample ID: MB 480-704702/8
Matrix: Water
Analysis Batch: 704702

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/24 13:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/24 13:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/24 13:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*79*		*77 - 120*		*03/22/24 13:54*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*03/22/24 13:54*	*1*
Dibromofluoromethane (Surr)	*73*	*S1-*	*75 - 123*		*03/22/24 13:54*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/22/24 13:54*	*1*

Lab Sample ID: LCS 480-704702/6
Matrix: Water
Analysis Batch: 704702

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-Trichloroethane	25.0	26.0		ug/L		104	73 - 126
1,1,2,2-Tetrachloroethane	25.0	30.1		ug/L		120	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.5		ug/L		90	61 - 148
1,1,2-Trichloroethane	25.0	28.1		ug/L		112	76 - 122
1,1-Dichloroethane	25.0	24.8		ug/L		99	77 - 120
1,1-Dichloroethene	25.0	23.0		ug/L		92	66 - 127
1,2,4-Trichlorobenzene	25.0	29.8		ug/L		119	79 - 122
1,2,4-Trimethylbenzene	25.0	28.7		ug/L		115	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	31.0		ug/L		124	56 - 134
1,2-Dibromoethane	25.0	25.4		ug/L		102	77 - 120
1,2-Dichlorobenzene	25.0	27.3		ug/L		109	80 - 124
1,2-Dichloroethane	25.0	23.8		ug/L		95	75 - 120
1,2-Dichloropropane	25.0	26.1		ug/L		104	76 - 120
1,3,5-Trimethylbenzene	25.0	28.9		ug/L		116	77 - 121
1,3-Dichlorobenzene	25.0	25.6		ug/L		102	77 - 120
1,4-Dichlorobenzene	25.0	26.4		ug/L		106	80 - 120
2-Butanone (MEK)	125	118		ug/L		94	57 - 140
2-Hexanone	125	134		ug/L		107	65 - 127
4-Methyl-2-pentanone (MIBK)	125	148		ug/L		118	71 - 125
Acetone	125	101		ug/L		81	56 - 142
Benzene	25.0	25.5		ug/L		102	71 - 124
Bromodichloromethane	25.0	26.4		ug/L		106	80 - 122
Bromoform	25.0	25.8		ug/L		103	61 - 132
Bromomethane	25.0	22.0		ug/L		88	55 - 144
Carbon disulfide	25.0	25.7		ug/L		103	59 - 134
Carbon tetrachloride	25.0	26.9		ug/L		108	72 - 134
Chlorobenzene	25.0	25.0		ug/L		100	80 - 120
Chloroethane	25.0	23.4		ug/L		94	69 - 136
Chloroform	25.0	23.7		ug/L		95	73 - 127
Chloromethane	25.0	21.3		ug/L		85	68 - 124
cis-1,2-Dichloroethene	25.0	24.2		ug/L		97	74 - 124
cis-1,3-Dichloropropene	25.0	25.7		ug/L		103	74 - 124
Cyclohexane	25.0	25.9		ug/L		104	59 - 135

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

Lab Sample ID: LCS 480-704702/6
Matrix: Water
Analysis Batch: 704702

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibromochloromethane	25.0	28.7		ug/L		115	75 - 125
Dichlorodifluoromethane	25.0	23.0		ug/L		92	59 - 135
Ethylbenzene	25.0	28.3		ug/L		113	77 - 123
Isopropylbenzene	25.0	30.2		ug/L		121	77 - 122
Methyl acetate	50.0	45.9		ug/L		92	74 - 133
Methyl tert-butyl ether	25.0	24.4		ug/L		98	77 - 120
Methylcyclohexane	25.0	27.9		ug/L		111	68 - 134
Methylene Chloride	25.0	22.7		ug/L		91	75 - 124
N-Propylbenzene	25.0	30.6		ug/L		122	75 - 127
Styrene	25.0	26.9		ug/L		108	80 - 120
Tetrachloroethene	25.0	26.8		ug/L		107	74 - 122
Toluene	25.0	29.0		ug/L		116	80 - 122
trans-1,2-Dichloroethene	25.0	24.7		ug/L		99	73 - 127
trans-1,3-Dichloropropene	25.0	31.1	*+	ug/L		124	80 - 120
Trichloroethene	25.0	24.6		ug/L		98	74 - 123
Trichlorofluoromethane	25.0	25.7		ug/L		103	62 - 150
Vinyl chloride	25.0	25.6		ug/L		102	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*80*		*77 - 120*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Dibromofluoromethane (Surr)	*77*		*75 - 123*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: MB 480-704785/8
Matrix: Water
Analysis Batch: 704785

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-Trichloroethane	ND		1.0	0.82	ug/L			03/23/24 00:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/23/24 00:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/23/24 00:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/23/24 00:36	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/23/24 00:36	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/23/24 00:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/23/24 00:36	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/23/24 00:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/23/24 00:36	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/23/24 00:36	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/23/24 00:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/23/24 00:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/23/24 00:36	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/23/24 00:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/23/24 00:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/23/24 00:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/23/24 00:36	1
2-Hexanone	ND		5.0	1.2	ug/L			03/23/24 00:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/23/24 00:36	1

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

Lab Sample ID: MB 480-704785/8
Matrix: Water
Analysis Batch: 704785

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			03/23/24 00:36	1
Benzene	ND		1.0	0.41	ug/L			03/23/24 00:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/23/24 00:36	1
Bromoform	ND		1.0	0.26	ug/L			03/23/24 00:36	1
Bromomethane	ND		1.0	0.69	ug/L			03/23/24 00:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/23/24 00:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/23/24 00:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/23/24 00:36	1
Chloroethane	ND		1.0	0.32	ug/L			03/23/24 00:36	1
Chloroform	ND		1.0	0.34	ug/L			03/23/24 00:36	1
Chloromethane	ND		1.0	0.35	ug/L			03/23/24 00:36	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/23/24 00:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/23/24 00:36	1
Cyclohexane	ND		1.0	0.18	ug/L			03/23/24 00:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/23/24 00:36	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/23/24 00:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/23/24 00:36	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/23/24 00:36	1
Methyl acetate	ND		2.5	1.3	ug/L			03/23/24 00:36	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/23/24 00:36	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/23/24 00:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/23/24 00:36	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/23/24 00:36	1
Styrene	ND		1.0	0.73	ug/L			03/23/24 00:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/23/24 00:36	1
Toluene	ND		1.0	0.51	ug/L			03/23/24 00:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/23/24 00:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/23/24 00:36	1
Trichloroethene	ND		1.0	0.46	ug/L			03/23/24 00:36	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/23/24 00:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/23/24 00:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/23/24 00:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*03/23/24 00:36*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*03/23/24 00:36*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*03/23/24 00:36*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/23/24 00:36*	*1*

Lab Sample ID: LCS 480-704785/6
Matrix: Water
Analysis Batch: 704785

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-Trichloroethane	25.0	24.0		ug/L		96	73 - 126
1,1,2,2-Tetrachloroethane	25.0	30.8	*+	ug/L		123	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.7		ug/L		99	61 - 148
1,1,2-Trichloroethane	25.0	28.2		ug/L		113	76 - 122

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

Lab Sample ID: LCS 480-704785/6
Matrix: Water
Analysis Batch: 704785

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	25.0	24.1		ug/L		96	77 - 120
1,1-Dichloroethene	25.0	23.4		ug/L		93	66 - 127
1,2,4-Trichlorobenzene	25.0	28.0		ug/L		112	79 - 122
1,2,4-Trimethylbenzene	25.0	28.9		ug/L		116	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	30.2		ug/L		121	56 - 134
1,2-Dibromoethane	25.0	28.4		ug/L		114	77 - 120
1,2-Dichlorobenzene	25.0	27.9		ug/L		112	80 - 124
1,2-Dichloroethane	25.0	23.9		ug/L		96	75 - 120
1,2-Dichloropropane	25.0	24.4		ug/L		98	76 - 120
1,3,5-Trimethylbenzene	25.0	29.4		ug/L		118	77 - 121
1,3-Dichlorobenzene	25.0	28.1		ug/L		112	77 - 120
1,4-Dichlorobenzene	25.0	28.3		ug/L		113	80 - 120
2-Butanone (MEK)	125	146		ug/L		117	57 - 140
2-Hexanone	125	162	*+	ug/L		129	65 - 127
4-Methyl-2-pentanone (MIBK)	125	157		ug/L		125	71 - 125
Acetone	125	131		ug/L		105	56 - 142
Benzene	25.0	23.4		ug/L		94	71 - 124
Bromodichloromethane	25.0	24.8		ug/L		99	80 - 122
Bromoform	25.0	29.9		ug/L		120	61 - 132
Bromomethane	25.0	21.3		ug/L		85	55 - 144
Carbon disulfide	25.0	23.2		ug/L		93	59 - 134
Carbon tetrachloride	25.0	24.4		ug/L		98	72 - 134
Chlorobenzene	25.0	27.0		ug/L		108	80 - 120
Chloroethane	25.0	21.9		ug/L		88	69 - 136
Chloroform	25.0	22.8		ug/L		91	73 - 127
Chloromethane	25.0	24.1		ug/L		97	68 - 124
cis-1,2-Dichloroethene	25.0	23.8		ug/L		95	74 - 124
cis-1,3-Dichloropropene	25.0	24.4		ug/L		97	74 - 124
Cyclohexane	25.0	24.1		ug/L		96	59 - 135
Dibromochloromethane	25.0	29.8		ug/L		119	75 - 125
Dichlorodifluoromethane	25.0	24.4		ug/L		97	59 - 135
Ethylbenzene	25.0	26.9		ug/L		108	77 - 123
Isopropylbenzene	25.0	28.7		ug/L		115	77 - 122
Methyl acetate	50.0	55.3		ug/L		111	74 - 133
Methyl tert-butyl ether	25.0	23.6		ug/L		94	77 - 120
Methylcyclohexane	25.0	22.9		ug/L		91	68 - 134
Methylene Chloride	25.0	24.2		ug/L		97	75 - 124
N-Propylbenzene	25.0	29.0		ug/L		116	75 - 127
Styrene	25.0	28.1		ug/L		112	80 - 120
Tetrachloroethene	25.0	26.4		ug/L		106	74 - 122
Toluene	25.0	26.6		ug/L		106	80 - 122
trans-1,2-Dichloroethene	25.0	22.9		ug/L		92	73 - 127
trans-1,3-Dichloropropene	25.0	29.8		ug/L		119	80 - 120
Trichloroethene	25.0	23.7		ug/L		95	74 - 123
Trichlorofluoromethane	25.0	24.9		ug/L		100	62 - 150
Vinyl chloride	25.0	21.8		ug/L		87	65 - 133

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

Lab Sample ID: LCS 480-704785/6
Matrix: Water
Analysis Batch: 704785

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Dibromofluoromethane (Surr)	*86*		*75 - 123*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: MB 480-705062/8
Matrix: Water
Analysis Batch: 705062

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-Trichloroethane	ND		1.0	0.82	ug/L			03/26/24 14:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/26/24 14:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/26/24 14:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/26/24 14:54	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/26/24 14:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/26/24 14:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/26/24 14:54	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/26/24 14:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/26/24 14:54	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/26/24 14:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/26/24 14:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/26/24 14:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/26/24 14:54	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/26/24 14:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/26/24 14:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/26/24 14:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/26/24 14:54	1
2-Hexanone	ND		5.0	1.2	ug/L			03/26/24 14:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/26/24 14:54	1
Acetone	ND		10	3.0	ug/L			03/26/24 14:54	1
Benzene	ND		1.0	0.41	ug/L			03/26/24 14:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/26/24 14:54	1
Bromoform	ND		1.0	0.26	ug/L			03/26/24 14:54	1
Bromomethane	ND		1.0	0.69	ug/L			03/26/24 14:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/26/24 14:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/26/24 14:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/26/24 14:54	1
Chloroethane	ND		1.0	0.32	ug/L			03/26/24 14:54	1
Chloroform	ND		1.0	0.34	ug/L			03/26/24 14:54	1
Chloromethane	ND		1.0	0.35	ug/L			03/26/24 14:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/26/24 14:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/26/24 14:54	1
Cyclohexane	ND		1.0	0.18	ug/L			03/26/24 14:54	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/26/24 14:54	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/26/24 14:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/26/24 14:54	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/26/24 14:54	1
Methyl acetate	ND		2.5	1.3	ug/L			03/26/24 14:54	1

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

Lab Sample ID: MB 480-705062/8
Matrix: Water
Analysis Batch: 705062

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/26/24 14:54	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/26/24 14:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/26/24 14:54	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/26/24 14:54	1
Styrene	ND		1.0	0.73	ug/L			03/26/24 14:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/26/24 14:54	1
Toluene	ND		1.0	0.51	ug/L			03/26/24 14:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/26/24 14:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/26/24 14:54	1
Trichloroethene	ND		1.0	0.46	ug/L			03/26/24 14:54	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/26/24 14:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/26/24 14:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/26/24 14:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*03/26/24 14:54*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*03/26/24 14:54*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*03/26/24 14:54*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/26/24 14:54*	*1*

Lab Sample ID: LCS 480-705062/6
Matrix: Water
Analysis Batch: 705062

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-Trichloroethane	25.0	26.1		ug/L		104	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.5		ug/L		94	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.3		ug/L		101	61 - 148
1,1,2-Trichloroethane	25.0	23.3		ug/L		93	76 - 122
1,1-Dichloroethane	25.0	25.2		ug/L		101	77 - 120
1,1-Dichloroethene	25.0	26.4		ug/L		106	66 - 127
1,2,4-Trichlorobenzene	25.0	24.6		ug/L		98	79 - 122
1,2,4-Trimethylbenzene	25.0	25.6		ug/L		103	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	26.1		ug/L		104	56 - 134
1,2-Dibromoethane	25.0	25.1		ug/L		100	77 - 120
1,2-Dichlorobenzene	25.0	24.2		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	24.9		ug/L		100	75 - 120
1,2-Dichloropropane	25.0	24.4		ug/L		98	76 - 120
1,3,5-Trimethylbenzene	25.0	24.8		ug/L		99	77 - 121
1,3-Dichlorobenzene	25.0	24.4		ug/L		97	77 - 120
1,4-Dichlorobenzene	25.0	24.4		ug/L		97	80 - 120
2-Butanone (MEK)	125	124		ug/L		99	57 - 140
2-Hexanone	125	118		ug/L		95	65 - 127
4-Methyl-2-pentanone (MIBK)	125	116		ug/L		93	71 - 125
Acetone	125	119		ug/L		95	56 - 142
Benzene	25.0	25.5		ug/L		102	71 - 124
Bromodichloromethane	25.0	26.3		ug/L		105	80 - 122
Bromoform	25.0	27.0		ug/L		108	61 - 132

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

Lab Sample ID: LCS 480-705062/6
Matrix: Water
Analysis Batch: 705062

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	25.0	27.0		ug/L		108	55 - 144
Carbon disulfide	25.0	28.1		ug/L		112	59 - 134
Carbon tetrachloride	25.0	27.2		ug/L		109	72 - 134
Chlorobenzene	25.0	24.7		ug/L		99	80 - 120
Chloroethane	25.0	26.3		ug/L		105	69 - 136
Chloroform	25.0	25.0		ug/L		100	73 - 127
Chloromethane	25.0	26.5		ug/L		106	68 - 124
cis-1,2-Dichloroethene	25.0	26.7		ug/L		107	74 - 124
cis-1,3-Dichloropropene	25.0	27.6		ug/L		111	74 - 124
Cyclohexane	25.0	25.6		ug/L		102	59 - 135
Dibromochloromethane	25.0	26.3		ug/L		105	75 - 125
Dichlorodifluoromethane	25.0	25.5		ug/L		102	59 - 135
Ethylbenzene	25.0	24.4		ug/L		97	77 - 123
Isopropylbenzene	25.0	25.5		ug/L		102	77 - 122
Methyl acetate	50.0	47.6		ug/L		95	74 - 133
Methyl tert-butyl ether	25.0	24.9		ug/L		99	77 - 120
Methylcyclohexane	25.0	25.7		ug/L		103	68 - 134
Methylene Chloride	25.0	27.2		ug/L		109	75 - 124
N-Propylbenzene	25.0	24.9		ug/L		100	75 - 127
Styrene	25.0	24.4		ug/L		98	80 - 120
Tetrachloroethene	25.0	23.7		ug/L		95	74 - 122
Toluene	25.0	24.3		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	25.8		ug/L		103	73 - 127
trans-1,3-Dichloropropene	25.0	26.1		ug/L		104	80 - 120
Trichloroethene	25.0	26.0		ug/L		104	74 - 123
Trichlorofluoromethane	25.0	26.2		ug/L		105	62 - 150
Vinyl chloride	25.0	27.4		ug/L		109	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*75 - 123*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 480-218035-10 MS
Matrix: Water
Analysis Batch: 705062

Client Sample ID: IW-3-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		25.0	27.7		ug/L		111	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	27.2		ug/L		109	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	26.2		ug/L		105	61 - 148
1,1,2-Trichloroethane	ND		25.0	27.1		ug/L		108	76 - 122
1,1-Dichloroethane	ND		25.0	27.1		ug/L		108	77 - 120
1,1-Dichloroethene	ND		25.0	28.9		ug/L		116	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	28.0		ug/L		112	79 - 122
1,2,4-Trimethylbenzene	29	F1	25.0	56.5		ug/L		109	76 - 121
1,2-Dibromo-3-Chloropropane	ND		25.0	29.8		ug/L		119	56 - 134

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

Lab Sample ID: 480-218035-10 MS
Matrix: Water
Analysis Batch: 705062

Client Sample ID: IW-3-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane	ND		25.0	27.3		ug/L		109	77 - 120
1,2-Dichlorobenzene	ND		25.0	26.9		ug/L		108	80 - 124
1,2-Dichloroethane	ND		25.0	26.1		ug/L		104	75 - 120
1,2-Dichloropropane	ND		25.0	26.9		ug/L		108	76 - 120
1,3,5-Trimethylbenzene	24	F1	25.0	51.4		ug/L		109	77 - 121
1,3-Dichlorobenzene	ND		25.0	27.3		ug/L		109	77 - 120
1,4-Dichlorobenzene	ND		25.0	26.9		ug/L		107	78 - 124
2-Butanone (MEK)	ND		125	137		ug/L		110	57 - 140
2-Hexanone	ND		125	137		ug/L		109	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	135		ug/L		108	71 - 125
Acetone	ND		125	128		ug/L		102	56 - 142
Benzene	ND		25.0	27.6		ug/L		111	71 - 124
Bromodichloromethane	ND		25.0	27.4		ug/L		109	80 - 122
Bromoform	ND		25.0	27.7		ug/L		111	61 - 132
Bromomethane	ND		25.0	29.1		ug/L		116	55 - 144
Carbon disulfide	ND		25.0	27.3		ug/L		109	59 - 134
Carbon tetrachloride	ND		25.0	28.5		ug/L		114	72 - 134
Chlorobenzene	ND		25.0	27.9		ug/L		112	80 - 120
Chloroethane	ND		25.0	29.1		ug/L		117	69 - 136
Chloroform	0.35	J	25.0	27.5		ug/L		108	73 - 127
Chloromethane	ND		25.0	28.2		ug/L		113	68 - 124
cis-1,2-Dichloroethene	ND		25.0	28.7		ug/L		115	74 - 124
cis-1,3-Dichloropropene	ND		25.0	28.3		ug/L		113	74 - 124
Cyclohexane	ND		25.0	28.0		ug/L		112	59 - 135
Dibromochloromethane	ND		25.0	28.1		ug/L		113	75 - 125
Dichlorodifluoromethane	ND		25.0	27.3		ug/L		109	59 - 135
Ethylbenzene	ND		25.0	27.9		ug/L		112	77 - 123
Isopropylbenzene	ND		25.0	30.0		ug/L		120	77 - 122
Methyl acetate	ND		50.0	49.9		ug/L		100	74 - 133
Methyl tert-butyl ether	ND		25.0	26.5		ug/L		106	77 - 120
Methylcyclohexane	ND		25.0	27.9		ug/L		112	68 - 134
Methylene Chloride	ND		25.0	27.0		ug/L		108	75 - 124
N-Propylbenzene	ND		25.0	28.6		ug/L		114	75 - 127
Styrene	ND		25.0	28.0		ug/L		112	80 - 120
Tetrachloroethene	ND		25.0	27.7		ug/L		111	74 - 122
Toluene	ND		25.0	27.5		ug/L		110	80 - 122
trans-1,2-Dichloroethene	ND		25.0	27.7		ug/L		111	73 - 127
trans-1,3-Dichloropropene	ND		25.0	27.7		ug/L		111	80 - 120
Trichloroethene	ND		25.0	28.5		ug/L		114	74 - 123
Trichlorofluoromethane	ND		25.0	28.5		ug/L		114	62 - 150
Vinyl chloride	ND		25.0	30.0		ug/L		120	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*
Toluene-d8 (Surr)	*104*		*80 - 120*

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

Lab Sample ID: 480-218035-10 MSD
Matrix: Water
Analysis Batch: 705062

Client Sample ID: IW-3-MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		25.0	27.6		ug/L		111	73 - 126	0	15
1,1,2,2-Tetrachloroethane	ND		25.0	25.9		ug/L		104	76 - 120	5	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	26.8		ug/L		107	61 - 148	2	20
1,1,2-Trichloroethane	ND		25.0	26.3		ug/L		105	76 - 122	3	15
1,1-Dichloroethane	ND		25.0	26.9		ug/L		108	77 - 120	1	20
1,1-Dichloroethene	ND		25.0	28.8		ug/L		115	66 - 127	1	16
1,2,4-Trichlorobenzene	ND		25.0	27.6		ug/L		110	79 - 122	2	20
1,2,4-Trimethylbenzene	29	F1	25.0	66.3	F1	ug/L		149	76 - 121	16	20
1,2-Dibromo-3-Chloropropane	ND		25.0	27.6		ug/L		110	56 - 134	8	15
1,2-Dibromoethane	ND		25.0	27.7		ug/L		111	77 - 120	2	15
1,2-Dichlorobenzene	ND		25.0	26.4		ug/L		106	80 - 124	2	20
1,2-Dichloroethane	ND		25.0	26.2		ug/L		105	75 - 120	0	20
1,2-Dichloropropane	ND		25.0	26.0		ug/L		104	76 - 120	3	20
1,3,5-Trimethylbenzene	24	F1	25.0	57.7	F1	ug/L		135	77 - 121	12	20
1,3-Dichlorobenzene	ND		25.0	26.2		ug/L		105	77 - 120	4	20
1,4-Dichlorobenzene	ND		25.0	26.6		ug/L		107	78 - 124	1	20
2-Butanone (MEK)	ND		125	130		ug/L		104	57 - 140	6	20
2-Hexanone	ND		125	136		ug/L		109	65 - 127	0	15
4-Methyl-2-pentanone (MIBK)	ND		125	133		ug/L		106	71 - 125	2	35
Acetone	ND		125	122		ug/L		98	56 - 142	4	15
Benzene	ND		25.0	26.9		ug/L		108	71 - 124	3	13
Bromodichloromethane	ND		25.0	27.2		ug/L		109	80 - 122	0	15
Bromoform	ND		25.0	27.9		ug/L		112	61 - 132	1	15
Bromomethane	ND		25.0	29.1		ug/L		116	55 - 144	0	15
Carbon disulfide	ND		25.0	26.8		ug/L		107	59 - 134	2	15
Carbon tetrachloride	ND		25.0	28.1		ug/L		113	72 - 134	1	15
Chlorobenzene	ND		25.0	27.7		ug/L		111	80 - 120	1	25
Chloroethane	ND		25.0	28.6		ug/L		114	69 - 136	2	15
Chloroform	0.35	J	25.0	26.8		ug/L		106	73 - 127	2	20
Chloromethane	ND		25.0	27.6		ug/L		110	68 - 124	2	15
cis-1,2-Dichloroethene	ND		25.0	27.6		ug/L		111	74 - 124	4	15
cis-1,3-Dichloropropene	ND		25.0	27.6		ug/L		110	74 - 124	3	15
Cyclohexane	ND		25.0	27.1		ug/L		108	59 - 135	3	20
Dibromochloromethane	ND		25.0	28.5		ug/L		114	75 - 125	1	15
Dichlorodifluoromethane	ND		25.0	25.9		ug/L		104	59 - 135	5	20
Ethylbenzene	ND		25.0	28.2		ug/L		113	77 - 123	1	15
Isopropylbenzene	ND		25.0	29.3		ug/L		117	77 - 122	2	20
Methyl acetate	ND		50.0	50.3		ug/L		101	74 - 133	1	20
Methyl tert-butyl ether	ND		25.0	26.0		ug/L		104	77 - 120	2	37
Methylcyclohexane	ND		25.0	25.7		ug/L		103	68 - 134	8	20
Methylene Chloride	ND		25.0	29.3		ug/L		117	75 - 124	8	15
N-Propylbenzene	ND		25.0	28.0		ug/L		112	75 - 127	2	15
Styrene	ND		25.0	28.0		ug/L		112	80 - 120	0	20
Tetrachloroethene	ND		25.0	27.4		ug/L		109	74 - 122	1	20
Toluene	ND		25.0	28.3		ug/L		113	80 - 122	3	15
trans-1,2-Dichloroethene	ND		25.0	27.2		ug/L		109	73 - 127	2	20
trans-1,3-Dichloropropene	ND		25.0	28.7		ug/L		115	80 - 120	3	15
Trichloroethene	ND		25.0	27.3		ug/L		109	74 - 123	4	16

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

Lab Sample ID: 480-218035-10 MSD
Matrix: Water
Analysis Batch: 705062

Client Sample ID: IW-3-MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Trichlorofluoromethane	ND		25.0	28.2		ug/L		113	62 - 150	1	20
Vinyl chloride	ND		25.0	30.0		ug/L		120	65 - 133	0	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*
Toluene-d8 (Surr)	*103*		*80 - 120*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

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

GC/MS VOA

Analysis Batch: 704702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218035-1	VRI-3	Total/NA	Water	8260C	
480-218035-2	VRI-1	Total/NA	Water	8260C	
480-218035-3	VRI-4	Total/NA	Water	8260C	
480-218035-4	GT-14	Total/NA	Water	8260C	
480-218035-5	GT-9R	Total/NA	Water	8260C	
480-218035-6	GT-16	Total/NA	Water	8260C	
480-218035-7	IW-6	Total/NA	Water	8260C	
480-218035-8	DUP-03192024	Total/NA	Water	8260C	
480-218035-9	EQUIPMENT BLANK-20240319	Total/NA	Water	8260C	
MB 480-704702/8	Method Blank	Total/NA	Water	8260C	
LCS 480-704702/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 704785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218035-11	TRIP BLANK-20240319	Total/NA	Water	8260C	
480-218035-12	VRI-10	Total/NA	Water	8260C	
MB 480-704785/8	Method Blank	Total/NA	Water	8260C	
LCS 480-704785/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 705062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218035-10	IW-3	Total/NA	Water	8260C	
MB 480-705062/8	Method Blank	Total/NA	Water	8260C	
LCS 480-705062/6	Lab Control Sample	Total/NA	Water	8260C	
480-218035-10 MS	IW-3-MS	Total/NA	Water	8260C	
480-218035-10 MSD	IW-3-MSD	Total/NA	Water	8260C	

Client Sample ID: VRI-3
Date Collected: 03/19/24 10:15
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	704702	CC	EET BUF	03/22/24 15:17

Client Sample ID: VRI-1
Date Collected: 03/19/24 12:10
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		100	704702	CC	EET BUF	03/22/24 15:39

Client Sample ID: VRI-4
Date Collected: 03/19/24 11:52
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	704702	CC	EET BUF	03/22/24 16:01

Client Sample ID: GT-14
Date Collected: 03/19/24 14:01
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	704702	CC	EET BUF	03/22/24 16:24

Client Sample ID: GT-9R
Date Collected: 03/18/24 16:05
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	704702	CC	EET BUF	03/22/24 16:46

Client Sample ID: GT-16
Date Collected: 03/18/24 13:45
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	704702	CC	EET BUF	03/22/24 17:08

Client Sample ID: IW-6
Date Collected: 03/19/24 10:10
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		200	704702	CC	EET BUF	03/22/24 17:31

Lab Chronicle

Client: Arcadis U.S., Inc.
Project/Site: GE IMI Riverview

Job ID: 480-218035-1

Client Sample ID: DUP-03192024
Lab Sample ID: 480-218035-8
Date Collected: 03/19/24 00:00
Matrix: Water
Date Received: 03/21/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		100	704702	CC	EET BUF	03/22/24 17:53

Client Sample ID: EQUIPMENT BLANK-20240319
Lab Sample ID: 480-218035-9
Date Collected: 03/19/24 15:20
Matrix: Water
Date Received: 03/21/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	704702	CC	EET BUF	03/22/24 18:15

Client Sample ID: IW-3
Lab Sample ID: 480-218035-10
Date Collected: 03/19/24 14:35
Matrix: Water
Date Received: 03/21/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	705062	ERS	EET BUF	03/26/24 16:05

Client Sample ID: TRIP BLANK-20240319
Lab Sample ID: 480-218035-11
Date Collected: 03/18/24 00:00
Matrix: Water
Date Received: 03/21/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	704785	LCH	EET BUF	03/23/24 08:04

Client Sample ID: VRI-10
Lab Sample ID: 480-218035-12
Date Collected: 03/19/24 15:57
Matrix: Water
Date Received: 03/21/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	704785	LCH	EET BUF	03/23/24 08:27

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Arcadis U.S., Inc.
Project/Site: GE IMI Riverview

Job ID: 480-218035-1

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-24

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
8260 CORP mix_00250	03/26/24	01/26/24	Methanol, Lot 22C2362001	20 mL	Ketones_00215	800 uL	2-Butanone (MEK)	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone (MIBK)	500 ug/mL
							Acetone	500 ug/mL
					MegaMix_00216	800 uL	1,1,1-Trichloroethane	100 ug/mL
							1,1,2,2-Tetrachloroethane	100 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	100 ug/mL
							1,1,2-Trichloroethane	100 ug/mL
							1,1-Dichloroethane	100 ug/mL
							1,1-Dichloroethene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2,4-Trimethylbenzene	100 ug/mL
							1,2-Dibromo-3-Chloropropane	100 ug/mL
							1,2-Dibromoethane	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dichloroethane	100 ug/mL
							1,2-Dichloropropane	100 ug/mL
							1,3,5-Trimethylbenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							Benzene	100 ug/mL
							Bromodichloromethane	100 ug/mL
							Bromoform	100 ug/mL
							Carbon disulfide	100 ug/mL
							Carbon tetrachloride	100 ug/mL
							Chlorobenzene	100 ug/mL
							Chloroform	100 ug/mL
							cis-1,2-Dichloroethene	100 ug/mL
							cis-1,3-Dichloropropene	100 ug/mL
							Cyclohexane	100 ug/mL
							Dibromochloromethane	100 ug/mL
							Ethylbenzene	100 ug/mL
							Isopropylbenzene	100 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl acetate	200 ug/mL
							Methyl tert-butyl ether	100 ug/mL
							Methylcyclohexane	100 ug/mL
							Methylene Chloride	100 ug/mL
							N-Propylbenzene	100 ug/mL
							o-Xylene	100 ug/mL
							Styrene	100 ug/mL
							Tetrachloroethene	100 ug/mL
							Toluene	100 ug/mL
							trans-1,2-Dichloroethene	100 ug/mL
							trans-1,3-Dichloropropene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichloroethene	100 ug/mL
.Ketones_00215	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
.MegaMix_00216	09/30/24		Restek, Lot A0183568		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							Benzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							o-Xylene	2500 ug/mL
							Styrene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
8260 CORP mix_00251	05/11/24	03/11/24	Methanol, Lot 22C2362001	20 mL	2-CEVE_00222	800 uL	2-Chloroethyl vinyl ether	100 ug/mL
					Acrolein Mix_00495	500 uL	Acrolein	500 ug/mL
					Ketones_00216	800 uL	2-Butanone (MEK)	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone (MIBK)	500 ug/mL
							Acetone	500 ug/mL
					MegaMix_00219	800 uL	1,1,1,2-Tetrachloroethane	100 ug/mL
							1,1,1-Trichloroethane	100 ug/mL
							1,1,2,2-Tetrachloroethane	100 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	100 ug/mL
							1,1,2-Trichloroethane	100 ug/mL
							1,1-Dichloroethane	100 ug/mL
							1,1-Dichloroethene	100 ug/mL
							1,1-Dichloropropene	100 ug/mL
							1,2,3-Trichlorobenzene	100 ug/mL
							1,2,3-Trichloropropane	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2,4-Trimethylbenzene	100 ug/mL
							1,2-Dibromo-3-Chloropropane	100 ug/mL
							1,2-Dibromoethane	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dichloroethane	100 ug/mL
							1,2-Dichloropropane	100 ug/mL
							1,3,5-Trimethylbenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dichloropropane	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	2000 ug/mL
							2,2-Dichloropropane	100 ug/mL
							2-Chlorotoluene	100 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							3-Chloro-1-propene	100 ug/mL
							4-Chlorotoluene	100 ug/mL
							4-Isopropyltoluene	100 ug/mL
							Acrylonitrile	1000 ug/mL
							Benzene	100 ug/mL
							Bromobenzene	100 ug/mL
							Bromodichloromethane	100 ug/mL
							Bromoform	100 ug/mL
							Carbon disulfide	100 ug/mL
							Carbon tetrachloride	100 ug/mL
							Chlorobenzene	100 ug/mL
							Chlorobromomethane	100 ug/mL
							Chloroform	100 ug/mL
							cis-1,2-Dichloroethene	100 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,3-Dichloropropene	100 ug/mL
							Cyclohexane	100 ug/mL
							Dibromochloromethane	100 ug/mL
							Dibromomethane	100 ug/mL
							Ethyl ether	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Ethylbenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexane	100 ug/mL
							Iodomethane	100 ug/mL
							Isobutyl alcohol	2500 ug/mL
							Isopropylbenzene	100 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl acetate	200 ug/mL
							Methyl tert-butyl ether	100 ug/mL
							Methylcyclohexane	100 ug/mL
							Methylene Chloride	100 ug/mL
							n-Butylbenzene	100 ug/mL
							n-Heptane	100 ug/mL
							N-Propylbenzene	100 ug/mL
							Naphthalene	100 ug/mL
							o-Xylene	100 ug/mL
							sec-Butylbenzene	100 ug/mL
							Styrene	100 ug/mL
							tert-Butylbenzene	100 ug/mL
							Tetrachloroethene	100 ug/mL
							Tetrahydrofuran	200 ug/mL
							Toluene	100 ug/mL
							trans-1,2-Dichloroethene	100 ug/mL
							trans-1,3-Dichloropropene	100 ug/mL
							trans-1,4-Dichloro-2-butene	100 ug/mL
							Trichloroethene	100 ug/mL
					Vinyl Acetate_00350	800 uL	Vinyl acetate	200 ug/mL
.2-CEVE_00222	01/31/26		Restek, Lot A0193735		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
.Acrolein Mix_00495	07/31/24		Restek, Lot A0193730		(Purchased Reagent)		Acrolein	20000 ug/mL
.Ketones_00216	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
.MegaMix_00219	09/30/24		Restek, Lot A0183568		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
.Vinyl Acetate_00350	07/31/24		Restek, Lot A0193875		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
BFB_WRK_00158							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Total BTEX	
							Trihalomethanes, Total	
							Xylenes, Total	
					MV_BFB_STK_00088	20 uL	BFB	50000 ug/L
.MV_BFB_STK_00088	05/02/24		Supelco, Lot LRAD0322		(Purchased Reagent)		BFB	25000 ug/mL
GAS CORP mix_00611	03/14/24	03/07/24	Methanol, Lot EA832US	20 mL	8260/624-Gas_00542	800 uL	Bromomethane	100 ug/mL
							Butadiene	100 ug/mL
							Chloroethane	100 ug/mL
							Chloromethane	100 ug/mL
							Dichlorodifluoromethane	100 ug/mL
							Dichlorofluoromethane	100 ug/mL
							Trichlorofluoromethane	100 ug/mL
							Vinyl chloride	100 ug/mL
.8260/624-Gas_00542	05/31/26		Restek, Lot A0198219		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
GAS CORP mix_00613	03/28/24	03/21/24	Methanol, Lot EA832US	20 mL	8260/624-Gas_00544	800 uL	Bromomethane	100 ug/mL
							Butadiene	100 ug/mL
							Chloroethane	100 ug/mL
							Chloromethane	100 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorodifluoromethane	100 ug/mL
							Dichlorofluoromethane	100 ug/mL
							Trichlorofluoromethane	100 ug/mL
							Vinyl chloride	100 ug/mL
.8260/624-Gas_00544	05/31/26		Restek, Lot A0198219		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
K WATER IS/SS_00012	05/12/24	03/12/24	P&T Methanol, Lot EC126US	10 mL	IS_STK_01710	100 uL	1,4-Dichlorobenzene-d4	25 ug/mL
							Chlorobenzene-d5	25 ug/mL
							Fluorobenzene (IS)	25 ug/mL
					SURR_STK_00537	100 uL	1,2-Dichloroethane-d4 (Surr)	25 ug/mL
							4-Bromofluorobenzene (Surr)	25 ug/mL
							Dibromofluoromethane (Surr)	25 ug/mL
							Toluene-d8 (Surr)	25 ug/mL
.IS_STK_01710	07/08/24		Restek, Lot A0203613		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
.SURR_STK_00537	07/08/24		Restek, Lot A0193766		(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
N 8260 IS_00265	08/21/24	02/21/24	P&T Methanol, Lot EA832-US	20 mL	IS_STK_01718	1 mL	1,4-Dichlorobenzene-d4	125 ug/mL
							Chlorobenzene-d5	125 ug/mL
							Fluorobenzene (IS)	125 ug/mL
.IS_STK_01718	10/31/28		Restek, Lot A0203613		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
N 8260 IS_00266	05/11/24	03/11/24	P&T Methanol, Lot EA832-US	20 mL	IS_STK_01722	1 mL	1,4-Dichlorobenzene-d4	125 ug/mL
							Chlorobenzene-d5	125 ug/mL
							Fluorobenzene (IS)	125 ug/mL
.IS_STK_01722	10/31/28		Restek, Lot A0203613		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
N_8260_Surr_00467	05/28/24	02/28/24	P&T Methanol, Lot EA832-US	20 mL	SURR_STK_00541	1 mL	1,2-Dichloroethane-d4 (Surr)	125 ug/mL
							4-Bromofluorobenzene (Surr)	125 ug/mL
							Dibromofluoromethane (Surr)	125 ug/mL
							Toluene-d8 (Surr)	125 ug/mL
.SURR_STK_00541	09/30/28		Restek, Lot A0201943		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
N_8260_Surr_00468	05/11/24	03/11/24	P&T Methanol, Lot EA832-US	20 mL	SURR_STK_00541	1 mL	1,2-Dichloroethane-d4 (Surr)	125 ug/mL
							4-Bromofluorobenzene (Surr)	125 ug/mL
							Dibromofluoromethane (Surr)	125 ug/mL
							Toluene-d8 (Surr)	125 ug/mL
.SURR_STK_00541	09/30/28		Restek, Lot A0201943		(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
S_8260_IS_00382	05/13/24	03/13/24	P&T Methanol, Lot 230446	20 mL	IS_STK_01724	1 mL	1,4-Dichlorobenzene-d4	125 ug/mL
							Chlorobenzene-d5	125 ug/mL
							Fluorobenzene (IS)	125 ug/mL
.IS_STK_01724	10/31/28		Restek, Lot A0203613		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
S_8260_IS_00383	05/26/24	03/25/24	P&T Methanol, Lot 230446	20 mL	IS_STK_01729	1 mL	1,4-Dichlorobenzene-d4	125 ug/mL
							Chlorobenzene-d5	125 ug/mL
							Fluorobenzene (IS)	125 ug/mL
.IS_STK_01729	02/28/29		Restek, Lot A0207291		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
S_8260_Surr_00474	05/14/24	03/14/24	P&T Methanol, Lot 288059	20 mL	SURR_STK_00543	1 mL	1,2-Dichloroethane-d4 (Surr)	125 ug/mL
							4-Bromofluorobenzene (Surr)	125 ug/mL
							Dibromofluoromethane (Surr)	125 ug/mL
							Toluene-d8 (Surr)	125 ug/mL
.SURR_STK_00543	09/14/28		Restek, Lot A0201943		(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
S_8260_Surr_00475	05/26/24	03/25/24	P&T Methanol, Lot 288059	20 mL	SURR_STK_00544	1 mL	1,2-Dichloroethane-d4 (Surr)	125 ug/mL
							4-Bromofluorobenzene (Surr)	125 ug/mL
							Dibromofluoromethane (Surr)	125 ug/mL
							Toluene-d8 (Surr)	125 ug/mL
.SURR_STK_00544	09/30/28		Restek, Lot A0201943		(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
SS 8260 CORP_00113	04/01/24	02/01/24	Methanol, Lot EH471US	20 mL	SS_Ketones_00096	800 uL	2-Butanone (MEK)	500 mg/L
							2-Hexanone	500 mg/L

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Methyl-2-pentanone (MIBK)	500 mg/L
							Acetone	500 mg/L
					SS_MegaMix_00126	800 uL	1,1,1-Trichloroethane	100 mg/L
							1,1,2,2-Tetrachloroethane	100 mg/L
							1,1,2-Trichloro-1,2,2-trifluoroethane	100 mg/L
							1,1,2-Trichloroethane	100 mg/L
							1,1-Dichloroethane	100 mg/L
							1,1-Dichloroethene	100 mg/L
							1,2,4-Trichlorobenzene	100 mg/L
							1,2,4-Trimethylbenzene	100 mg/L
							1,2-Dibromo-3-Chloropropane	100 mg/L
							1,2-Dibromoethane	100 mg/L
							1,2-Dichlorobenzene	100 mg/L
							1,2-Dichloroethane	100 mg/L
							1,2-Dichloropropane	100 mg/L
							1,3,5-Trimethylbenzene	100 mg/L
							1,3-Dichlorobenzene	100 mg/L
							1,4-Dichlorobenzene	100 mg/L
							Benzene	100 mg/L
							Bromodichloromethane	100 mg/L
							Bromoform	100 mg/L
							Carbon disulfide	100 mg/L
							Carbon tetrachloride	100 mg/L
							Chlorobenzene	100 mg/L
							Chloroform	100 mg/L
							cis-1,2-Dichloroethene	100 mg/L
							cis-1,3-Dichloropropene	100 mg/L
							Cyclohexane	100 mg/L
							Dibromochloromethane	100 mg/L
							Ethylbenzene	100 mg/L
							Isopropylbenzene	100 mg/L
							m-Xylene & p-Xylene	100 mg/L
							Methyl acetate	200 mg/L
							Methyl tert-butyl ether	100 mg/L
							Methylcyclohexane	100 mg/L
							Methylene Chloride	100 mg/L
							N-Propylbenzene	100 mg/L
							o-Xylene	100 mg/L
							Styrene	100 mg/L
							Tetrachloroethene	100 mg/L
							Toluene	100 mg/L
							trans-1,2-Dichloroethene	100 mg/L
							trans-1,3-Dichloropropene	100 mg/L
							Trichloroethene	100 mg/L
.SS_Ketones_00096	04/30/25		Restek, Lot A0184721		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

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
.SS_MegaMix_00126	08/31/25		Restek, Lot A0195252		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							Benzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							o-Xylene	2500 ug/mL
							Styrene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
SS GAS CORP_00572	03/14/24	03/07/24	Methanol, Lot EA832US	20 mL	SS8260-624gas_00539	800 uL	Bromomethane	100 ug/mL
							Chloroethane	100 ug/mL
							Chloromethane	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorodifluoromethane	100 ug/mL
							Trichlorofluoromethane	100 ug/mL
							Vinyl chloride	100 ug/mL
.SS8260-624gas_00539	02/28/27		Restek, Lot A0207548		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
SS GAS CORP_00574	03/28/24	03/21/24	Methanol, Lot EA832US	20 mL	SS8260-624gas_00541	800 uL	Bromomethane	100 ug/mL
							Chloroethane	100 ug/mL
							Chloromethane	100 ug/mL
							Dichlorodifluoromethane	100 ug/mL
							Trichlorofluoromethane	100 ug/mL
							Vinyl chloride	100 ug/mL
.SS8260-624gas_00541	02/28/27		Restek, Lot A0207548		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL

Reagent

SURR_STK_00543

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

539 - 543

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. : 567650 **Lot No.:** A0201943

Description : 8260 Surrogate Standard

8260 Surrogate Standard 2,500µg/mL, P&T Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2028 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,522.5 µg/mL	+/- 141.7031
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,507.5 µg/mL	+/- 140.8605
3	Toluene-d8	2037-26-5	PR-33397	99%	2,514.5 µg/mL	+/- 141.2537
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000194533	99%	2,522.5 µg/mL	+/- 141.7031

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

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

Reagent

SURR_STK_00544

Surr 544-548

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

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Catalog No. : 567650 **Lot No.:** A0201943

Description : 8260 Surrogate Standard

8260 Surrogate Standard 2,500µg/mL, P&T Methanol, 5mL/ampul

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Expiration Date : September 30, 2028 **Storage:** 0°C or colder

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CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,522.5 µg/mL	+/- 141.7031
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,507.5 µg/mL	+/- 140.8605
3	Toluene-d8	2037-26-5	PR-33397	99%	2,514.5 µg/mL	+/- 141.2537
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000194533	99%	2,522.5 µg/mL	+/- 141.7031

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

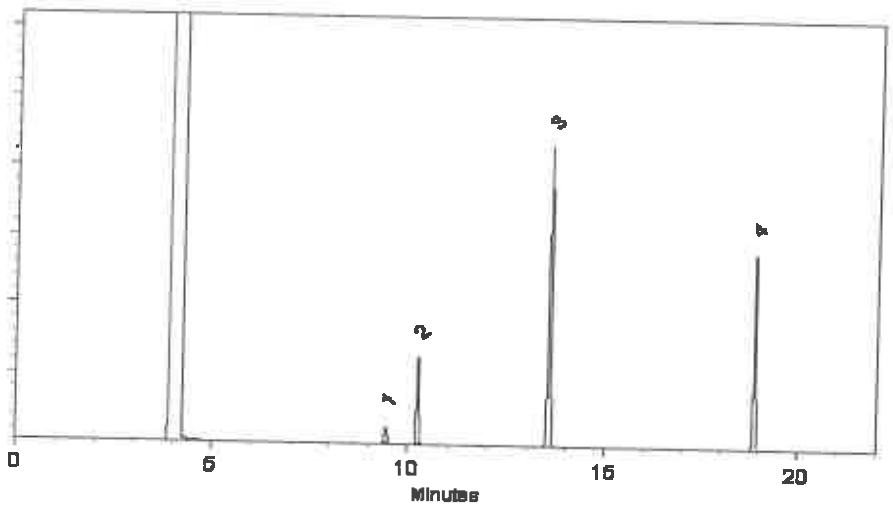
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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

Peter Robbins - Operations Technician I

Date Mixed: 13-Sep-2023 Balance Serial # 1127510105

Jennifer Polino - Operations Tech III - ARM QC

Date Passed: 19-Sep-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

  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.

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
VRI-3	480-218035-1	84	87	105	94
VRI-1	480-218035-2	85	89	107	101
VRI-4	480-218035-3	79	85	102	97
GT-14	480-218035-4	79	80	104	95
GT-9R	480-218035-5	81	85	106	98
GT-16	480-218035-6	76	82	105	96
IW-6	480-218035-7	82	86	107	99
DUP-03192024	480-218035-8	84	86	108	102
EQUIPMENT BLANK-20240319	480-218035-9	84	83	106	98
IW-3	480-218035-10	105	103	106	103
TRIP BLANK-20240319	480-218035-11	94	101	91	90
VRI-10	480-218035-12	93	95	94	89
	MB 480-704702/8	73 S1-	79	102	93
	MB 480-704785/8	91	94	94	94
	MB 480-705062/8	103	102	102	98
	LCS 480-704702/6	77	80	104	95
	LCS 480-704785/6	86	89	97	95
	LCS 480-705062/6	106	99	99	98
IW-3-MS MS	480-218035-10 MS	107	102	104	100
IW-3-MSD MSD	480-218035-10 MSD	101	98	103	103

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	75-123
DCA = 1,2-Dichloroethane-d4 (Surr)	77-120
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N5764.d

Lab ID: LCS 480-704702/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	26.0	104	73-126	
1,1,2,2-Tetrachloroethane	25.0	30.1	120	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.5	90	61-148	
1,1,2-Trichloroethane	25.0	28.1	112	76-122	
1,1-Dichloroethane	25.0	24.8	99	77-120	
1,1-Dichloroethene	25.0	23.0	92	66-127	
1,2,4-Trichlorobenzene	25.0	29.8	119	79-122	
1,2,4-Trimethylbenzene	25.0	28.7	115	76-121	
1,2-Dibromo-3-Chloropropane	25.0	31.0	124	56-134	
1,2-Dibromoethane	25.0	25.4	102	77-120	
1,2-Dichlorobenzene	25.0	27.3	109	80-124	
1,2-Dichloroethane	25.0	23.8	95	75-120	
1,2-Dichloropropane	25.0	26.1	104	76-120	
1,3,5-Trimethylbenzene	25.0	28.9	116	77-121	
1,3-Dichlorobenzene	25.0	25.6	102	77-120	
1,4-Dichlorobenzene	25.0	26.4	106	80-120	
2-Butanone (MEK)	125	118	94	57-140	
2-Hexanone	125	134	107	65-127	
4-Methyl-2-pentanone (MIBK)	125	148	118	71-125	
Acetone	125	101	81	56-142	
Benzene	25.0	25.5	102	71-124	
Bromodichloromethane	25.0	26.4	106	80-122	
Bromoform	25.0	25.8	103	61-132	
Bromomethane	25.0	22.0	88	55-144	
Carbon disulfide	25.0	25.7	103	59-134	
Carbon tetrachloride	25.0	26.9	108	72-134	
Chlorobenzene	25.0	25.0	100	80-120	
Chloroethane	25.0	23.4	94	69-136	
Chloroform	25.0	23.7	95	73-127	
Chloromethane	25.0	21.3	85	68-124	
cis-1,2-Dichloroethene	25.0	24.2	97	74-124	
cis-1,3-Dichloropropene	25.0	25.7	103	74-124	
Cyclohexane	25.0	25.9	104	59-135	
Dibromochloromethane	25.0	28.7	115	75-125	
Dichlorodifluoromethane	25.0	23.0	92	59-135	
Ethylbenzene	25.0	28.3	113	77-123	
Isopropylbenzene	25.0	30.2	121	77-122	
Methyl acetate	50.0	45.9	92	74-133	
Methyl tert-butyl ether	25.0	24.4	98	77-120	
Methylcyclohexane	25.0	27.9	111	68-134	
Methylene Chloride	25.0	22.7	91	75-124	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N5764.d

Lab ID: LCS 480-704702/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
N-Propylbenzene	25.0	30.6	122	75-127	
Styrene	25.0	26.9	108	80-120	
Tetrachloroethene	25.0	26.8	107	74-122	
Toluene	25.0	29.0	116	80-122	
trans-1,2-Dichloroethene	25.0	24.7	99	73-127	
trans-1,3-Dichloropropene	25.0	31.1	124	80-120	*+
Trichloroethene	25.0	24.6	98	74-123	
Trichlorofluoromethane	25.0	25.7	103	62-150	
Vinyl chloride	25.0	25.6	102	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Matrix: Water Level: Low Lab File ID: K3149.D

Lab ID: LCS 480-704785/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	24.0	96	73-126	
1,1,2,2-Tetrachloroethane	25.0	30.8	123	76-120	*+
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.7	99	61-148	
1,1,2-Trichloroethane	25.0	28.2	113	76-122	
1,1-Dichloroethane	25.0	24.1	96	77-120	
1,1-Dichloroethene	25.0	23.4	93	66-127	
1,2,4-Trichlorobenzene	25.0	28.0	112	79-122	
1,2,4-Trimethylbenzene	25.0	28.9	116	76-121	
1,2-Dibromo-3-Chloropropane	25.0	30.2	121	56-134	
1,2-Dibromoethane	25.0	28.4	114	77-120	
1,2-Dichlorobenzene	25.0	27.9	112	80-124	
1,2-Dichloroethane	25.0	23.9	96	75-120	
1,2-Dichloropropane	25.0	24.4	98	76-120	
1,3,5-Trimethylbenzene	25.0	29.4	118	77-121	
1,3-Dichlorobenzene	25.0	28.1	112	77-120	
1,4-Dichlorobenzene	25.0	28.3	113	80-120	
2-Butanone (MEK)	125	146	117	57-140	
2-Hexanone	125	162	129	65-127	*+
4-Methyl-2-pentanone (MIBK)	125	157	125	71-125	
Acetone	125	131	105	56-142	
Benzene	25.0	23.4	94	71-124	
Bromodichloromethane	25.0	24.8	99	80-122	
Bromoform	25.0	29.9	120	61-132	
Bromomethane	25.0	21.3	85	55-144	
Carbon disulfide	25.0	23.2	93	59-134	
Carbon tetrachloride	25.0	24.4	98	72-134	
Chlorobenzene	25.0	27.0	108	80-120	
Chloroethane	25.0	21.9	88	69-136	
Chloroform	25.0	22.8	91	73-127	
Chloromethane	25.0	24.1	97	68-124	
cis-1,2-Dichloroethene	25.0	23.8	95	74-124	
cis-1,3-Dichloropropene	25.0	24.4	97	74-124	
Cyclohexane	25.0	24.1	96	59-135	
Dibromochloromethane	25.0	29.8	119	75-125	
Dichlorodifluoromethane	25.0	24.4	97	59-135	
Ethylbenzene	25.0	26.9	108	77-123	
Isopropylbenzene	25.0	28.7	115	77-122	
Methyl acetate	50.0	55.3	111	74-133	
Methyl tert-butyl ether	25.0	23.6	94	77-120	
Methylcyclohexane	25.0	22.9	91	68-134	
Methylene Chloride	25.0	24.2	97	75-124	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Matrix: Water Level: Low Lab File ID: K3149.D

Lab ID: LCS 480-704785/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
N-Propylbenzene	25.0	29.0	116	75-127	
Styrene	25.0	28.1	112	80-120	
Tetrachloroethene	25.0	26.4	106	74-122	
Toluene	25.0	26.6	106	80-122	
trans-1,2-Dichloroethene	25.0	22.9	92	73-127	
trans-1,3-Dichloropropene	25.0	29.8	119	80-120	
Trichloroethene	25.0	23.7	95	74-123	
Trichlorofluoromethane	25.0	24.9	100	62-150	
Vinyl chloride	25.0	21.8	87	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S6751.d

Lab ID: LCS 480-705062/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	26.1	104	73-126	
1,1,2,2-Tetrachloroethane	25.0	23.5	94	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.3	101	61-148	
1,1,2-Trichloroethane	25.0	23.3	93	76-122	
1,1-Dichloroethane	25.0	25.2	101	77-120	
1,1-Dichloroethene	25.0	26.4	106	66-127	
1,2,4-Trichlorobenzene	25.0	24.6	98	79-122	
1,2,4-Trimethylbenzene	25.0	25.6	103	76-121	
1,2-Dibromo-3-Chloropropane	25.0	26.1	104	56-134	
1,2-Dibromoethane	25.0	25.1	100	77-120	
1,2-Dichlorobenzene	25.0	24.2	97	80-124	
1,2-Dichloroethane	25.0	24.9	100	75-120	
1,2-Dichloropropane	25.0	24.4	98	76-120	
1,3,5-Trimethylbenzene	25.0	24.8	99	77-121	
1,3-Dichlorobenzene	25.0	24.4	97	77-120	
1,4-Dichlorobenzene	25.0	24.4	97	80-120	
2-Butanone (MEK)	125	124	99	57-140	
2-Hexanone	125	118	95	65-127	
4-Methyl-2-pentanone (MIBK)	125	116	93	71-125	
Acetone	125	119	95	56-142	
Benzene	25.0	25.5	102	71-124	
Bromodichloromethane	25.0	26.3	105	80-122	
Bromoform	25.0	27.0	108	61-132	
Bromomethane	25.0	27.0	108	55-144	
Carbon disulfide	25.0	28.1	112	59-134	
Carbon tetrachloride	25.0	27.2	109	72-134	
Chlorobenzene	25.0	24.7	99	80-120	
Chloroethane	25.0	26.3	105	69-136	
Chloroform	25.0	25.0	100	73-127	
Chloromethane	25.0	26.5	106	68-124	
cis-1,2-Dichloroethene	25.0	26.7	107	74-124	
cis-1,3-Dichloropropene	25.0	27.6	111	74-124	
Cyclohexane	25.0	25.6	102	59-135	
Dibromochloromethane	25.0	26.3	105	75-125	
Dichlorodifluoromethane	25.0	25.5	102	59-135	
Ethylbenzene	25.0	24.4	97	77-123	
Isopropylbenzene	25.0	25.5	102	77-122	
Methyl acetate	50.0	47.6	95	74-133	
Methyl tert-butyl ether	25.0	24.9	99	77-120	
Methylcyclohexane	25.0	25.7	103	68-134	
Methylene Chloride	25.0	27.2	109	75-124	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S6751.d

Lab ID: LCS 480-705062/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
N-Propylbenzene	25.0	24.9	100	75-127	
Styrene	25.0	24.4	98	80-120	
Tetrachloroethene	25.0	23.7	95	74-122	
Toluene	25.0	24.3	97	80-122	
trans-1,2-Dichloroethene	25.0	25.8	103	73-127	
trans-1,3-Dichloropropene	25.0	26.1	104	80-120	
Trichloroethene	25.0	26.0	104	74-123	
Trichlorofluoromethane	25.0	26.2	105	62-150	
Vinyl chloride	25.0	27.4	109	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S6769.d

Lab ID: 480-218035-10 MS Client ID: IW-3-MS MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	ND	27.7	111	73-126	
1,1,2,2-Tetrachloroethane	25.0	ND	27.2	109	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	ND	26.2	105	61-148	
1,1,2-Trichloroethane	25.0	ND	27.1	108	76-122	
1,1-Dichloroethane	25.0	ND	27.1	108	77-120	
1,1-Dichloroethene	25.0	ND	28.9	116	66-127	
1,2,4-Trichlorobenzene	25.0	ND	28.0	112	79-122	
1,2,4-Trimethylbenzene	25.0	29	56.5	109	76-121	
1,2-Dibromo-3-Chloropropane	25.0	ND	29.8	119	56-134	
1,2-Dibromoethane	25.0	ND	27.3	109	77-120	
1,2-Dichlorobenzene	25.0	ND	26.9	108	80-124	
1,2-Dichloroethane	25.0	ND	26.1	104	75-120	
1,2-Dichloropropane	25.0	ND	26.9	108	76-120	
1,3,5-Trimethylbenzene	25.0	24	51.4	109	77-121	
1,3-Dichlorobenzene	25.0	ND	27.3	109	77-120	
1,4-Dichlorobenzene	25.0	ND	26.9	107	78-124	
2-Butanone (MEK)	125	ND	137	110	57-140	
2-Hexanone	125	ND	137	109	65-127	
4-Methyl-2-pentanone (MIBK)	125	ND	135	108	71-125	
Acetone	125	ND	128	102	56-142	
Benzene	25.0	ND	27.6	111	71-124	
Bromodichloromethane	25.0	ND	27.4	109	80-122	
Bromoform	25.0	ND	27.7	111	61-132	
Bromomethane	25.0	ND	29.1	116	55-144	
Carbon disulfide	25.0	ND	27.3	109	59-134	
Carbon tetrachloride	25.0	ND	28.5	114	72-134	
Chlorobenzene	25.0	ND	27.9	112	80-120	
Chloroethane	25.0	ND	29.1	117	69-136	
Chloroform	25.0	0.35 J	27.5	108	73-127	
Chloromethane	25.0	ND	28.2	113	68-124	
cis-1,2-Dichloroethene	25.0	ND	28.7	115	74-124	
cis-1,3-Dichloropropene	25.0	ND	28.3	113	74-124	
Cyclohexane	25.0	ND	28.0	112	59-135	
Dibromochloromethane	25.0	ND	28.1	113	75-125	
Dichlorodifluoromethane	25.0	ND	27.3	109	59-135	
Ethylbenzene	25.0	ND	27.9	112	77-123	
Isopropylbenzene	25.0	ND	30.0	120	77-122	
Methyl acetate	50.0	ND	49.9	100	74-133	
Methyl tert-butyl ether	25.0	ND	26.5	106	77-120	
Methylcyclohexane	25.0	ND	27.9	112	68-134	
Methylene Chloride	25.0	ND	27.0	108	75-124	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S6769.d

Lab ID: 480-218035-10 MS Client ID: IW-3-MS MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
N-Propylbenzene	25.0	ND	28.6	114	75-127	
Styrene	25.0	ND	28.0	112	80-120	
Tetrachloroethene	25.0	ND	27.7	111	74-122	
Toluene	25.0	ND	27.5	110	80-122	
trans-1,2-Dichloroethene	25.0	ND	27.7	111	73-127	
trans-1,3-Dichloropropene	25.0	ND	27.7	111	80-120	
Trichloroethene	25.0	ND	28.5	114	74-123	
Trichlorofluoromethane	25.0	ND	28.5	114	62-150	
Vinyl chloride	25.0	ND	30.0	120	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S6770.d

Lab ID: 480-218035-10 MSD Client ID: IW-3-MSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	27.6	111	0	15	73-126	
1,1,2,2-Tetrachloroethane	25.0	25.9	104	5	15	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.8	107	2	20	61-148	
1,1,2-Trichloroethane	25.0	26.3	105	3	15	76-122	
1,1-Dichloroethane	25.0	26.9	108	1	20	77-120	
1,1-Dichloroethene	25.0	28.8	115	1	16	66-127	
1,2,4-Trichlorobenzene	25.0	27.6	110	2	20	79-122	
1,2,4-Trimethylbenzene	25.0	66.3	149	16	20	76-121	F1
1,2-Dibromo-3-Chloropropane	25.0	27.6	110	8	15	56-134	
1,2-Dibromoethane	25.0	27.7	111	2	15	77-120	
1,2-Dichlorobenzene	25.0	26.4	106	2	20	80-124	
1,2-Dichloroethane	25.0	26.2	105	0	20	75-120	
1,2-Dichloropropane	25.0	26.0	104	3	20	76-120	
1,3,5-Trimethylbenzene	25.0	57.7	135	12	20	77-121	F1
1,3-Dichlorobenzene	25.0	26.2	105	4	20	77-120	
1,4-Dichlorobenzene	25.0	26.6	107	1	20	78-124	
2-Butanone (MEK)	125	130	104	6	20	57-140	
2-Hexanone	125	136	109	0	15	65-127	
4-Methyl-2-pentanone (MIBK)	125	133	106	2	35	71-125	
Acetone	125	122	98	4	15	56-142	
Benzene	25.0	26.9	108	3	13	71-124	
Bromodichloromethane	25.0	27.2	109	0	15	80-122	
Bromoform	25.0	27.9	112	1	15	61-132	
Bromomethane	25.0	29.1	116	0	15	55-144	
Carbon disulfide	25.0	26.8	107	2	15	59-134	
Carbon tetrachloride	25.0	28.1	113	1	15	72-134	
Chlorobenzene	25.0	27.7	111	1	25	80-120	
Chloroethane	25.0	28.6	114	2	15	69-136	
Chloroform	25.0	26.8	106	2	20	73-127	
Chloromethane	25.0	27.6	110	2	15	68-124	
cis-1,2-Dichloroethene	25.0	27.6	111	4	15	74-124	
cis-1,3-Dichloropropene	25.0	27.6	110	3	15	74-124	
Cyclohexane	25.0	27.1	108	3	20	59-135	
Dibromochloromethane	25.0	28.5	114	1	15	75-125	
Dichlorodifluoromethane	25.0	25.9	104	5	20	59-135	
Ethylbenzene	25.0	28.2	113	1	15	77-123	
Isopropylbenzene	25.0	29.3	117	2	20	77-122	
Methyl acetate	50.0	50.3	101	1	20	74-133	
Methyl tert-butyl ether	25.0	26.0	104	2	37	77-120	
Methylcyclohexane	25.0	25.7	103	8	20	68-134	
Methylene Chloride	25.0	29.3	117	8	15	75-124	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S6770.d

Lab ID: 480-218035-10 MSD Client ID: IW-3-MSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
N-Propylbenzene	25.0	28.0	112	2	15	75-127	
Styrene	25.0	28.0	112	0	20	80-120	
Tetrachloroethene	25.0	27.4	109	1	20	74-122	
Toluene	25.0	28.3	113	3	15	80-122	
trans-1,2-Dichloroethene	25.0	27.2	109	2	20	73-127	
trans-1,3-Dichloropropene	25.0	28.7	115	3	15	80-120	
Trichloroethene	25.0	27.3	109	4	16	74-123	
Trichlorofluoromethane	25.0	28.2	113	1	20	62-150	
Vinyl chloride	25.0	30.0	120	0	15	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Lab File ID: N5766.d Lab Sample ID: MB 480-704702/8

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

Instrument ID: HP5973N Date Analyzed: 03/22/2024 13:54

GC Column: ZB-624 (20) ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-704702/6	N5764.d	03/22/2024 12:05
VRI-3	480-218035-1	N5769.d	03/22/2024 15:17
VRI-1	480-218035-2	N5770.d	03/22/2024 15:39
VRI-4	480-218035-3	N5771.d	03/22/2024 16:01
GT-14	480-218035-4	N5772.d	03/22/2024 16:24
GT-9R	480-218035-5	N5773.d	03/22/2024 16:46
GT-16	480-218035-6	N5774.d	03/22/2024 17:08
IW-6	480-218035-7	N5775.d	03/22/2024 17:31
DUP-03192024	480-218035-8	N5776.d	03/22/2024 17:53
EQUIPMENT BLANK-20240319	480-218035-9	N5777.d	03/22/2024 18:15

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Lab File ID: K3151.D Lab Sample ID: MB 480-704785/8

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

Instrument ID: HP5977K Date Analyzed: 03/23/2024 00:36

GC Column: ZB-624 (20) ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-704785/6	K3149.D	03/22/2024 23:51
TRIP BLANK-20240319	480-218035-11	K3171.D	03/23/2024 08:04
VRI-10	480-218035-12	K3172.D	03/23/2024 08:27

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Lab File ID: S6753.d Lab Sample ID: MB 480-705062/8

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

Instrument ID: HP5973S Date Analyzed: 03/26/2024 14:54

GC Column: ZB-624 (20) ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-705062/6	S6751.d	03/26/2024 14:07
IW-3	480-218035-10	S6755.d	03/26/2024 16:05
IW-3-MS MS	480-218035-10 MS	S6769.d	03/26/2024 21:30
IW-3-MSD MSD	480-218035-10 MSD	S6770.d	03/26/2024 21:54

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

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Lab File ID: N5479.d BFB Injection Date: 03/12/2024

Instrument ID: HP5973N BFB Injection Time: 14:48

Analysis Batch No.: 703408

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	32.5	
75	30.0 - 60.0 % of mass 95	50.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.1	
173	Less than 2.0 % of mass 174	0.4	(0.5) 1
174	Greater than 50% of mass 95	84.0	
175	5.0 - 9.0 % of mass 174	6.2	(7.4) 1
176	95.0 - 101.0 % of mass 174	81.6	(97.1) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.8) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-703408/11	N5481.d	03/12/2024	15:37
	IC 480-703408/12	N5482.d	03/12/2024	15:59
	IC 480-703408/13	N5483.d	03/12/2024	16:22
	IC 480-703408/14	N5484.d	03/12/2024	16:45
	IC 480-703408/15	N5485.d	03/12/2024	17:07
	ICIS 480-703408/16	N5486.d	03/12/2024	17:30
	IC 480-703408/17	N5487.d	03/12/2024	17:52
	IC 480-703408/18	N5488.d	03/12/2024	18:15
	ICV 480-703408/32	N5502.d	03/12/2024	23:27
	ICV 480-703408/33	N5503.d	03/12/2024	23:49

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

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Lab File ID: N5761.d BFB Injection Date: 03/22/2024

Instrument ID: HP5973N BFB Injection Time: 10:46

Analysis Batch No.: 704702

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	29.9	
75	30.0 - 60.0 % of mass 95	52.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	5.3	
173	Less than 2.0 % of mass 174	0.3	(0.3) 1
174	Greater than 50% of mass 95	81.6	
175	5.0 - 9.0 % of mass 174	5.7	(7.0) 1
176	95.0 - 101.0 % of mass 174	80.2	(98.3) 1
177	5.0 - 9.0 % of mass 176	5.4	(6.7) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-704702/4	N5762.d	03/22/2024	11:10
	LCS 480-704702/6	N5764.d	03/22/2024	12:05
	MB 480-704702/8	N5766.d	03/22/2024	13:54
VRI-3	480-218035-1	N5769.d	03/22/2024	15:17
VRI-1	480-218035-2	N5770.d	03/22/2024	15:39
VRI-4	480-218035-3	N5771.d	03/22/2024	16:01
GT-14	480-218035-4	N5772.d	03/22/2024	16:24
GT-9R	480-218035-5	N5773.d	03/22/2024	16:46
GT-16	480-218035-6	N5774.d	03/22/2024	17:08
IW-6	480-218035-7	N5775.d	03/22/2024	17:31
DUP-03192024	480-218035-8	N5776.d	03/22/2024	17:53
EQUIPMENT BLANK-20240319	480-218035-9	N5777.d	03/22/2024	18:15

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

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Lab File ID: S6720.d BFB Injection Date: 03/25/2024

Instrument ID: HP5973S BFB Injection Time: 21:25

Analysis Batch No.: 704994

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	24.9	
75	30.0 - 60.0 % of mass 95	58.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	5.1	
173	Less than 2.0 % of mass 174	1.1	(1.2) 1
174	Greater than 50% of mass 95	87.8	
175	5.0 - 9.0 % of mass 174	7.2	(8.2) 1
176	95.0 - 101.0 % of mass 174	83.5	(95.1) 1
177	5.0 - 9.0 % of mass 176	4.9	(5.9) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-704994/7	S6722.d	03/25/2024	22:13
	IC 480-704994/8	S6723.d	03/25/2024	22:36
	IC 480-704994/9	S6724.d	03/25/2024	22:59
	IC 480-704994/10	S6725.d	03/25/2024	23:22
	IC 480-704994/11	S6726.d	03/25/2024	23:45
	ICIS 480-704994/12	S6727.d	03/26/2024	0:08
	IC 480-704994/13	S6728.d	03/26/2024	0:31
	IC 480-704994/14	S6729.d	03/26/2024	0:54
	ICV 480-704994/28	S6743.d	03/26/2024	6:18

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

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Lab File ID: S6748.d BFB Injection Date: 03/26/2024

Instrument ID: HP5973S BFB Injection Time: 12:39

Analysis Batch No.: 705062

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.7	
75	30.0 - 60.0 % of mass 95	57.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.0	
173	Less than 2.0 % of mass 174	0.2	(0.2) 1
174	Greater than 50% of mass 95	92.0	
175	5.0 - 9.0 % of mass 174	7.5	(8.2) 1
176	95.0 - 101.0 % of mass 174	92.7	(100.7) 1
177	5.0 - 9.0 % of mass 176	5.3	(5.8) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-705062/4	S6749.d	03/26/2024	13:07
	LCS 480-705062/6	S6751.d	03/26/2024	14:07
	MB 480-705062/8	S6753.d	03/26/2024	14:54
IW-3	480-218035-10	S6755.d	03/26/2024	16:05
IW-3-MS MS	480-218035-10 MS	S6769.d	03/26/2024	21:30
IW-3-MSD MSD	480-218035-10 MSD	S6770.d	03/26/2024	21:54

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

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Lab File ID: K2829.D BFB Injection Date: 03/12/2024

Instrument ID: HP5977K BFB Injection Time: 19:07

Analysis Batch No.: 703484

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.1	
75	30.0 - 60.0 % of mass 95	46.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	5.8	
173	Less than 2.0 % of mass 174	0.7	(0.9) 1
174	Greater than 50% of mass 95	76.6	
175	5.0 - 9.0 % of mass 174	6.0	(7.8) 1
176	95.0 - 101.0 % of mass 174	73.1	(95.4) 1
177	5.0 - 9.0 % of mass 176	5.0	(6.8) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-703484/7	K2831.D	03/12/2024	19:57
	IC 480-703484/8	K2832.D	03/12/2024	20:19
	IC 480-703484/9	K2833.D	03/12/2024	20:42
	IC 480-703484/10	K2834.D	03/12/2024	21:04
	IC 480-703484/11	K2835.D	03/12/2024	21:27
	ICIS 480-703484/12	K2836.D	03/12/2024	21:49
	IC 480-703484/13	K2837.D	03/12/2024	22:12
	IC 480-703484/14	K2838.D	03/12/2024	22:34
	ICV 480-703484/28	K2852.D	03/13/2024	3:49

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

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Lab File ID: K3146.D BFB Injection Date: 03/22/2024

Instrument ID: HP5977K BFB Injection Time: 22:44

Analysis Batch No.: 704785

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.7	
75	30.0 - 60.0 % of mass 95	49.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.7	(0.9) 1
174	Greater than 50% of mass 95	77.8	
175	5.0 - 9.0 % of mass 174	5.8	(7.4) 1
176	95.0 - 101.0 % of mass 174	74.6	(96.0) 1
177	5.0 - 9.0 % of mass 176	4.9	(6.6) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-704785/4	K3147.D	03/22/2024	23:06
	LCS 480-704785/6	K3149.D	03/22/2024	23:51
	MB 480-704785/8	K3151.D	03/23/2024	0:36
TRIP BLANK-20240319	480-218035-11	K3171.D	03/23/2024	8:04
VRI-10	480-218035-12	K3172.D	03/23/2024	8:27

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

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Sample No.: ICIS 480-703408/16 Date Analyzed: 03/12/2024 17:30

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): N5486.d Heated Purge: (Y/N) N

Calibration ID: 46214

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		184325	5.05	631357	8.01	380875	10.44
UPPER LIMIT		368650	15.05	1262714	18.01	761750	20.44
LOWER LIMIT		92163	-4.95	315679	-1.99	190438	0.44
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-704702/4		249853	5.05	777451	8.01	426367	10.44

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 10 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 Buffalo Job No.: 480-218035-1

SDG No.:

Sample No.: CCVIS 480-704702/4 Date Analyzed: 03/22/2024 11:10

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): N5762.d Heated Purge: (Y/N) N

Calibration ID: 46216

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		249853	5.05	777451	8.01	426367	10.44
UPPER LIMIT		499706	15.05	1554902	18.01	852734	20.44
LOWER LIMIT		124927	-4.95	388726	-1.99	213184	0.44
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-704702/6		231156	5.05	697683	8.01	384673	10.44
MB 480-704702/8		243992	5.05	695446	8.01	381079	10.44
480-218035-1	VRI-3	205845	5.05	604959	8.01	355187	10.44
480-218035-2	VRI-1	191761	5.05	571373	8.01	354665	10.44
480-218035-3	VRI-4	207738	5.05	615895	8.01	347360	10.44
480-218035-4	GT-14	211563	5.05	615992	8.01	358133	10.44
480-218035-5	GT-9R	202110	5.05	599978	8.01	340644	10.44
480-218035-6	GT-16	210995	5.05	599443	8.01	346302	10.44
480-218035-7	IW-6	197176	5.05	581052	8.01	346801	10.44
480-218035-8	DUP-03192024	201392	5.05	582130	8.01	342054	10.44
480-218035-9	EQUIPMENT BLANK-20240319	191028	5.05	549133	8.01	338518	10.44

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 10 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 Buffalo Job No.: 480-218035-1

SDG No.:

Sample No.: ICIS 480-704994/12 Date Analyzed: 03/26/2024 00:08

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S6727.d Heated Purge: (Y/N) N

Calibration ID: 46264

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		218005	4.75	424442	7.70	421361	10.15
UPPER LIMIT		436010	14.75	848884	17.70	842722	20.15
LOWER LIMIT		109003	-5.25	212221	-2.30	210681	0.15
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-705062/4		224072	4.75	432779	7.70	449237	10.15

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 10 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 Buffalo Job No.: 480-218035-1

SDG No.:

Sample No.: CCVIS 480-705062/4 Date Analyzed: 03/26/2024 13:07

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S6749.d Heated Purge: (Y/N) N

Calibration ID: 46267

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		224072	4.75	432779	7.70	449237	10.15
UPPER LIMIT		448144	14.75	865558	17.70	898474	20.15
LOWER LIMIT		112036	-5.25	216390	-2.30	224619	0.15
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-705062/6		218479	4.75	457787	7.70	465230	10.15
MB 480-705062/8		215908	4.75	423505	7.70	415789	10.15
480-218035-10	IW-3	217759	4.75	418374	7.70	459289	10.15
480-218035-10 MS	IW-3-MS MS	223266	4.75	442051	7.70	446010	10.15
480-218035-10 MSD	IW-3-MSD MSD	231346	4.75	447609	7.70	472179	10.15

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 10 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 Buffalo Job No.: 480-218035-1

SDG No.:

Sample No.: ICIS 480-703484/12 Date Analyzed: 03/12/2024 21:49

Instrument ID: HP5977K GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): K2836.D Heated Purge: (Y/N) N

Calibration ID: 46218

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		160388	5.34	590379	8.33	302066	10.72
UPPER LIMIT		320776	15.34	1180758	18.33	604132	20.72
LOWER LIMIT		80194	-4.66	295190	-1.67	151033	0.72
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-704785/4		156427	5.34	541450	8.33	269417	10.72

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 10 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 Buffalo Job No.: 480-218035-1

SDG No.:

Sample No.: CCVIS 480-704785/4 Date Analyzed: 03/22/2024 23:06

Instrument ID: HP5977K GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): K3147.D Heated Purge: (Y/N) N

Calibration ID: 46221

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		156427	5.34	541450	8.33	269417	10.72
UPPER LIMIT		312854	15.34	1082900	18.33	538834	20.72
LOWER LIMIT		78214	-4.66	270725	-1.67	134709	0.72
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-704785/6		147949	5.34	495161	8.33	244363	10.72
MB 480-704785/8		147315	5.34	509026	8.33	257673	10.72
480-218035-11	TRIP BLANK-20240319	138899	5.34	522595	8.33	252372	10.72
480-218035-12	VRI-10	134826	5.34	473135	8.33	229411	10.72

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 10 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 Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: VRI-3 | Lab Sample ID: 480-218035-1

Matrix: Water | Lab File ID: N5769.d

Analysis Method: 8260C | Date Collected: 03/19/2024 10:15

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 15:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704702 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: VRI-3 | Lab Sample ID: 480-218035-1

Matrix: Water | Lab File ID: N5769.d

Analysis Method: 8260C | Date Collected: 03/19/2024 10:15

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 15:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704702 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
103-65-1	N-Propylbenzene	ND		1.0	0.69
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND	*+	1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
1868-53-7	Dibromofluoromethane (Surr)	84		75-123
2037-26-5	Toluene-d8 (Surr)	105		80-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5769.d
Lims ID: 480-218035-A-1
Client ID: VRI-3
Sample Type: Client
Inject. Date: 22-Mar-2024 15:17:30 ALS Bottle#: 12 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-218035-A-1
Misc. Info.: 480-0116891-019
Operator ID: CC Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Mar-2024 15:37:12 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1655

First Level Reviewer: TJ9E Date: 22-Mar-2024 15:37:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.052	5.052	0.000	97	205845	25.0	
* 2 Chlorobenzene-d5	117	8.009	8.009	0.000	92	604959	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.442	10.443	0.000	96	355187	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.481	4.469	0.006	92	284295	20.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.779	4.779	0.000	98	370808	21.7	
$ 6 Toluene-d8 (Surr)	98	6.543	6.543	0.000	96	830669	26.1	
$ 7 4-Bromofluorobenzene (Surr)	174	9.268	9.269	0.000	83	249123	23.6	
11 Dichlorodifluoromethane	85		1.141				ND	
13 Chloromethane	50		1.287				ND	
14 Vinyl chloride	62		1.372				ND	
15 Bromomethane	94		1.640				ND	
16 Chloroethane	64		1.707				ND	
18 Trichlorofluoromethane	101		1.913				ND	
22 1,1-Dichloroethene	96		2.364				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.364				ND	
23 Acetone	43	2.479	2.479	0.006	81	8597	0.99	a
25 Carbon disulfide	76		2.540				ND	7
28 Methyl acetate	43		2.759				ND	
30 Methylene Chloride	84		2.850				ND	
32 Methyl tert-butyl ether	73		3.057				ND	
33 trans-1,2-Dichloroethene	96		3.069				ND	
36 1,1-Dichloroethane	63		3.471				ND	
43 cis-1,2-Dichloroethene	96		4.018				ND	
44 2-Butanone (MEK)	43		4.049				ND	
50 Chloroform	83		4.329				ND	
51 1,1,1-Trichloroethane	97		4.426				ND	
52 Cyclohexane	56		4.432				ND	
53 Carbon tetrachloride	117		4.566				ND	
55 Benzene	78		4.779				ND	
57 1,2-Dichloroethane	62		4.846				ND	
60 Trichloroethene	95		5.381				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.497				ND	
63 1,2-Dichloropropane	63		5.618				ND	
67 Dichlorobromomethane	83		5.910				ND	
71 cis-1,3-Dichloropropene	75		6.324				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.476				ND	U
73 Toluene	92		6.604				ND	
75 trans-1,3-Dichloropropene	75		6.890				ND	
78 1,1,2-Trichloroethane	83		7.078				ND	
79 Tetrachloroethene	166		7.133				ND	
82 2-Hexanone	43		7.309				ND	
83 Chlorodibromomethane	129		7.468				ND	
84 Ethylene Dibromide	107		7.565				ND	
85 Chlorobenzene	112		8.040				ND	
88 Ethylbenzene	91		8.137				ND	
90 m-Xylene & p-Xylene	106		8.259				ND	
91 o-Xylene	106		8.684				ND	
92 Styrene	104		8.715				ND	
93 Bromoform	173		8.958				ND	
95 Isopropylbenzene	105		9.068				ND	
98 1,1,2,2-Tetrachloroethane	83		9.493				ND	
100 N-Propylbenzene	91		9.512				ND	
104 1,3,5-Trimethylbenzene	105		9.700				ND	
108 1,2,4-Trimethylbenzene	105		10.084				ND	
110 1,3-Dichlorobenzene	146		10.370				ND	
113 1,4-Dichlorobenzene	146		10.467				ND	7
116 1,2-Dichlorobenzene	146		10.820				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.562				ND	
119 1,2,4-Trichlorobenzene	180		12.243				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
- 7 - Failed Limit of Detection

Review Flags
- U - Marked Undetected
- a - User Assigned ID

Reagents:

N 8260 IS_00265	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00467	Amount Added:	1.00	Units: uL	Run Reagent

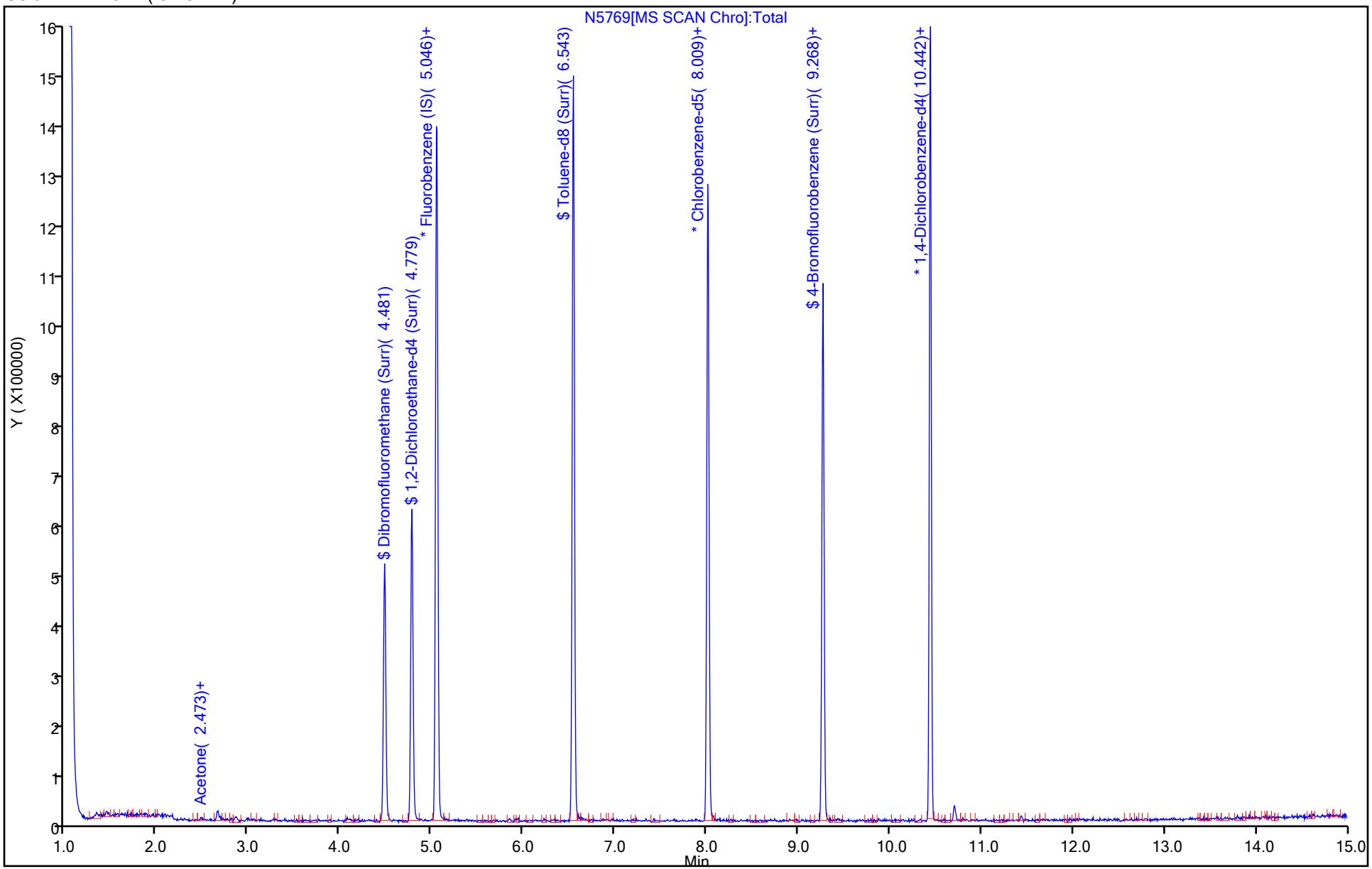
Report Date: 22-Mar-2024 15:37:12 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5769.d

Injection Date:	22-Mar-2024 15:17:30	Instrument ID:	HP5973N	Operator ID:	CC
Lims ID:	480-218035-A-1	Lab Sample ID:	480-218035-1	Worklist Smp#:	19
Client ID:	VRI-3				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5769.d
Lims ID: 480-218035-A-1
Client ID: VRI-3
Sample Type: Client
Inject. Date: 22-Mar-2024 15:17:30 ALS Bottle#: 12 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-218035-A-1
Misc. Info.: 480-0116891-019
Operator ID: CC Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Mar-2024 15:37:12 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1655

First Level Reviewer: TJ9E Date: 22-Mar-2024 15:37:12

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	20.9	83.56
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	21.7	86.70
$ 6 Toluene-d8 (Surr)	25.0	26.1	104.53
$ 7 4-Bromofluorobenzene (Surr)	25.0	23.6	94.43

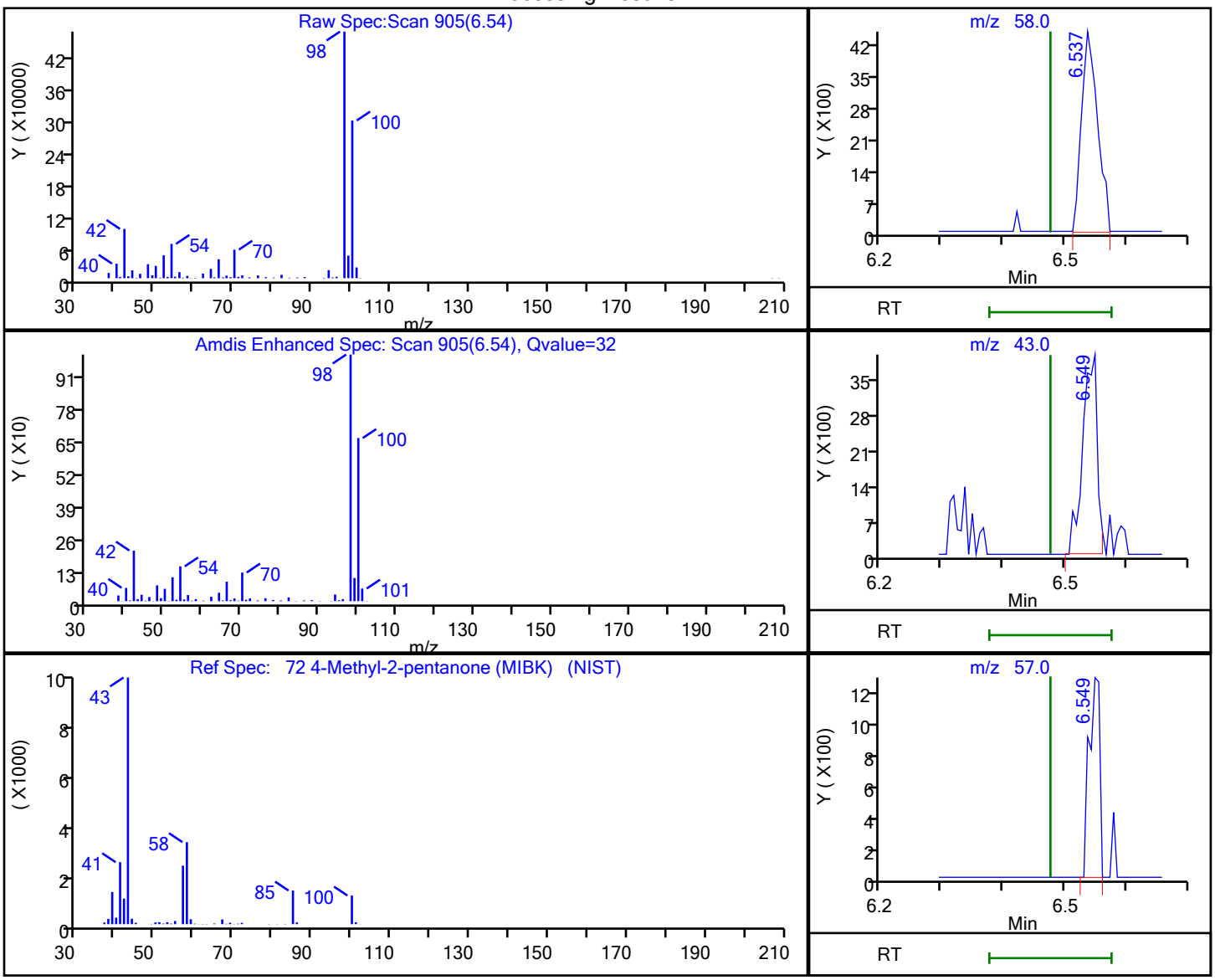
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5769.d				
Injection Date:	22-Mar-2024 15:17:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-1	Lab Sample ID:	480-218035-1		
Client ID:	VRI-3				
Operator ID:	CC	ALS Bottle#:	12	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

72 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.54	58.00	8064	1.294293
6.55	43.00	6515	
6.55	57.00	1573	

Reviewer: TJ9E, 22-Mar-2024 15:36:49 -04:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Buffalo

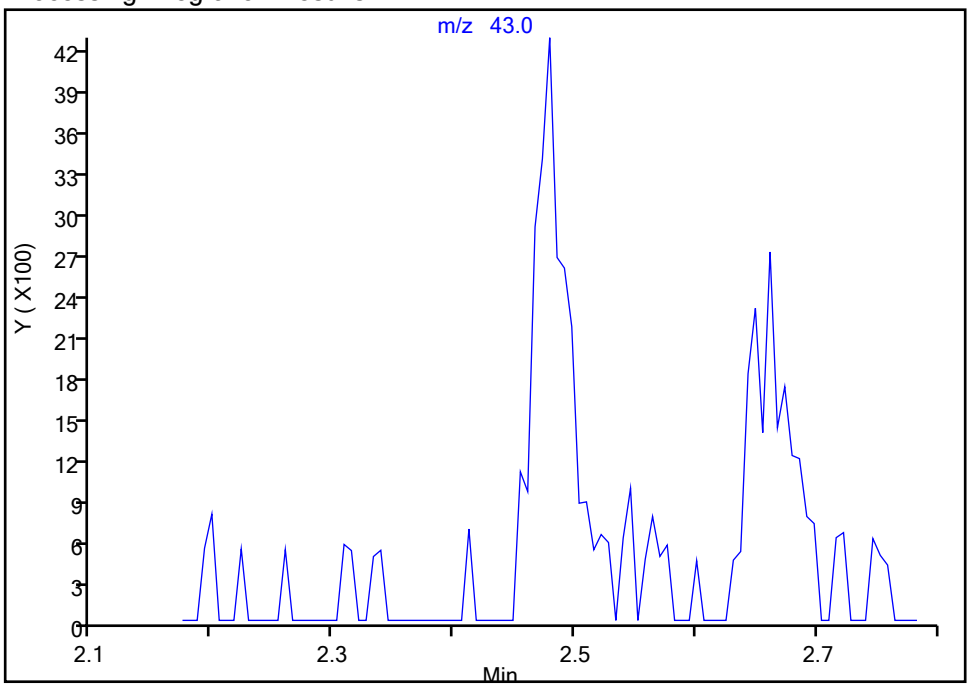
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5769.d				
Injection Date:	22-Mar-2024 15:17:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-1	Lab Sample ID:	480-218035-1		
Client ID:	VRI-3				
Operator ID:	CC	ALS Bottle#:	12	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

23 Acetone, CAS: 67-64-1

Signal: 1

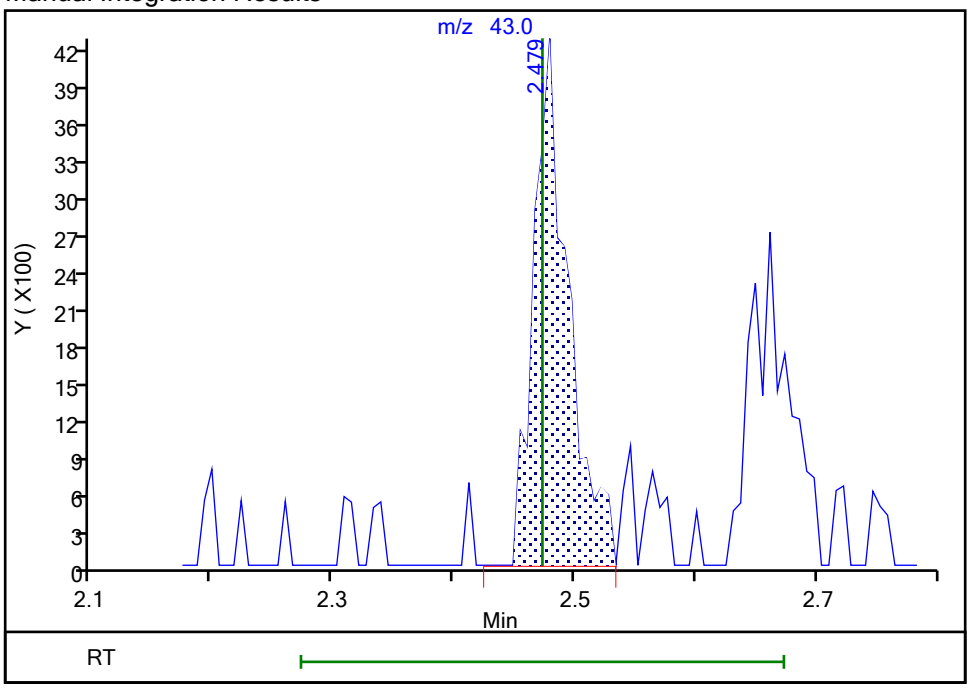
Not Detected
Expected RT: 2.47

Processing Integration Results



Manual Integration Results

RT: 2.48
Area: 8597
Amount: 0.991216
Amount Units: ug/L



Reviewer: TJ9E, 22-Mar-2024 15:36:33 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: VRI-1 | Lab Sample ID: 480-218035-2

Matrix: Water | Lab File ID: N5770.d

Analysis Method: 8260C | Date Collected: 03/19/2024 12:10

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 15:39

Soil Aliquot Vol: | Dilution Factor: 100

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704702 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		100	82
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31
79-00-5	1,1,2-Trichloroethane	ND		100	23
75-34-3	1,1-Dichloroethane	ND		100	38
75-35-4	1,1-Dichloroethene	ND		100	29
120-82-1	1,2,4-Trichlorobenzene	ND		100	41
95-63-6	1,2,4-Trimethylbenzene	4100		100	75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		100	39
106-93-4	1,2-Dibromoethane	ND		100	73
95-50-1	1,2-Dichlorobenzene	ND		100	79
107-06-2	1,2-Dichloroethane	ND		100	21
78-87-5	1,2-Dichloropropane	ND		100	72
108-67-8	1,3,5-Trimethylbenzene	3300		100	77
541-73-1	1,3-Dichlorobenzene	ND		100	78
106-46-7	1,4-Dichlorobenzene	ND		100	84
78-93-3	2-Butanone (MEK)	ND		1000	130
591-78-6	2-Hexanone	ND		500	120
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		500	210
67-64-1	Acetone	ND		1000	300
71-43-2	Benzene	ND		100	41
75-27-4	Bromodichloromethane	ND		100	39
75-25-2	Bromoform	ND		100	26
74-83-9	Bromomethane	ND		100	69
75-15-0	Carbon disulfide	ND		100	19
56-23-5	Carbon tetrachloride	ND		100	27
108-90-7	Chlorobenzene	ND		100	75
75-00-3	Chloroethane	ND		100	32
67-66-3	Chloroform	ND		100	34
74-87-3	Chloromethane	ND		100	35
156-59-2	cis-1,2-Dichloroethene	ND		100	81
10061-01-5	cis-1,3-Dichloropropene	ND		100	36
110-82-7	Cyclohexane	ND		100	18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: VRI-1 | Lab Sample ID: 480-218035-2

Matrix: Water | Lab File ID: N5770.d

Analysis Method: 8260C | Date Collected: 03/19/2024 12:10

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 15:39

Soil Aliquot Vol: | Dilution Factor: 100

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704702 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	ND		100	32
75-71-8	Dichlorodifluoromethane	ND		100	68
100-41-4	Ethylbenzene	ND		100	74
98-82-8	Isopropylbenzene	160		100	79
79-20-9	Methyl acetate	ND		250	130
1634-04-4	Methyl tert-butyl ether	ND		100	16
108-87-2	Methylcyclohexane	ND		100	16
75-09-2	Methylene Chloride	ND		100	44
103-65-1	N-Propylbenzene	110		100	69
100-42-5	Styrene	160		100	73
127-18-4	Tetrachloroethene	ND		100	36
108-88-3	Toluene	ND		100	51
156-60-5	trans-1,2-Dichloroethene	ND		100	90
10061-02-6	trans-1,3-Dichloropropene	ND	*+	100	37
79-01-6	Trichloroethene	ND		100	46
75-69-4	Trichlorofluoromethane	ND		100	88
75-01-4	Vinyl chloride	ND		100	90
1330-20-7	Xylenes, Total	5400		200	66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	85		75-123
2037-26-5	Toluene-d8 (Surr)	107		80-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5770.d
Lims ID: 480-218035-A-2
Client ID: VRI-1
Sample Type: Client
Inject. Date: 22-Mar-2024 15:39:30 ALS Bottle#: 13 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 100.0000
Sample Info: 480-218035-A-2
Misc. Info.: 480-0116891-020
Operator ID: CC Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Mar-2024 09:20:23 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: TJ9E Date: 22-Mar-2024 15:58:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.046	5.052	-0.006	97	191761	25.0	
* 2 Chlorobenzene-d5	117	8.009	8.009	0.000	93	571373	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.442	10.443	0.000	96	354665	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.481	4.469	0.006	92	270897	21.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.779	4.779	0.000	98	355218	22.3	
$ 6 Toluene-d8 (Surr)	98	6.543	6.543	0.000	96	803407	26.8	
$ 7 4-Bromofluorobenzene (Surr)	174	9.268	9.268	0.000	83	252156	25.3	
11 Dichlorodifluoromethane	85		1.141				ND	
13 Chloromethane	50		1.287				ND	
14 Vinyl chloride	62		1.372				ND	
15 Bromomethane	94		1.640				ND	
16 Chloroethane	64		1.707				ND	
18 Trichlorofluoromethane	101		1.913				ND	
22 1,1-Dichloroethene	96		2.364				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.364				ND	
23 Acetone	43		2.473				ND	
25 Carbon disulfide	76		2.540				ND	
28 Methyl acetate	43		2.759				ND	
30 Methylene Chloride	84	2.862	2.859	0.012	89	5000	0.4343	a
32 Methyl tert-butyl ether	73		3.057				ND	
33 trans-1,2-Dichloroethene	96		3.069				ND	
36 1,1-Dichloroethane	63		3.471				ND	
43 cis-1,2-Dichloroethene	96		4.018				ND	
44 2-Butanone (MEK)	43		4.049				ND	
50 Chloroform	83		4.329				ND	U
51 1,1,1-Trichloroethane	97		4.426				ND	
52 Cyclohexane	56		4.432				ND	
53 Carbon tetrachloride	117		4.566				ND	
55 Benzene	78		4.779				ND	
57 1,2-Dichloroethane	62		4.846				ND	
60 Trichloroethene	95		5.381				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.497				ND	
63 1,2-Dichloropropane	63		5.618				ND	
67 Dichlorobromomethane	83		5.910				ND	
71 cis-1,3-Dichloropropene	75		6.324				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.476				ND	U
73 Toluene	92		6.604				ND	
75 trans-1,3-Dichloropropene	75		6.890				ND	
78 1,1,2-Trichloroethane	83		7.078				ND	
79 Tetrachloroethene	166		7.133				ND	
82 2-Hexanone	43		7.309				ND	
83 Chlorodibromomethane	129		7.468				ND	
84 Ethylene Dibromide	107		7.565				ND	
85 Chlorobenzene	112		8.040				ND	
88 Ethylbenzene	91	8.137	8.137	0.000	97	20481	0.6304	
90 m-Xylene & p-Xylene	106	8.258	8.258	-0.001	97	44538	3.59	
91 o-Xylene	106	8.684	8.684	0.000	99	667818	50.0	
92 Styrene	104	8.678	8.715	-0.037	52	31128	1.56	
93 Bromoform	173		8.958				ND	
95 Isopropylbenzene	105	9.068	9.068	0.000	97	56638	1.55	
98 1,1,2,2-Tetrachloroethane	83		9.493				ND	
100 N-Propylbenzene	91	9.512	9.512	0.000	98	46952	1.11	
104 1,3,5-Trimethylbenzene	105	9.700	9.700	0.000	95	1054631	32.9	
108 1,2,4-Trimethylbenzene	105	10.084	10.084	0.000	99	1331634	40.5	
110 1,3-Dichlorobenzene	146		10.370				ND	
113 1,4-Dichlorobenzene	146		10.467				ND	
116 1,2-Dichlorobenzene	146		10.820				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.562				ND	
119 1,2,4-Trichlorobenzene	180		12.243				ND	
S 126 Xylenes, Total	1				0		53.6	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

N 8260 IS_00265	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00467	Amount Added:	1.00	Units: uL	Run Reagent

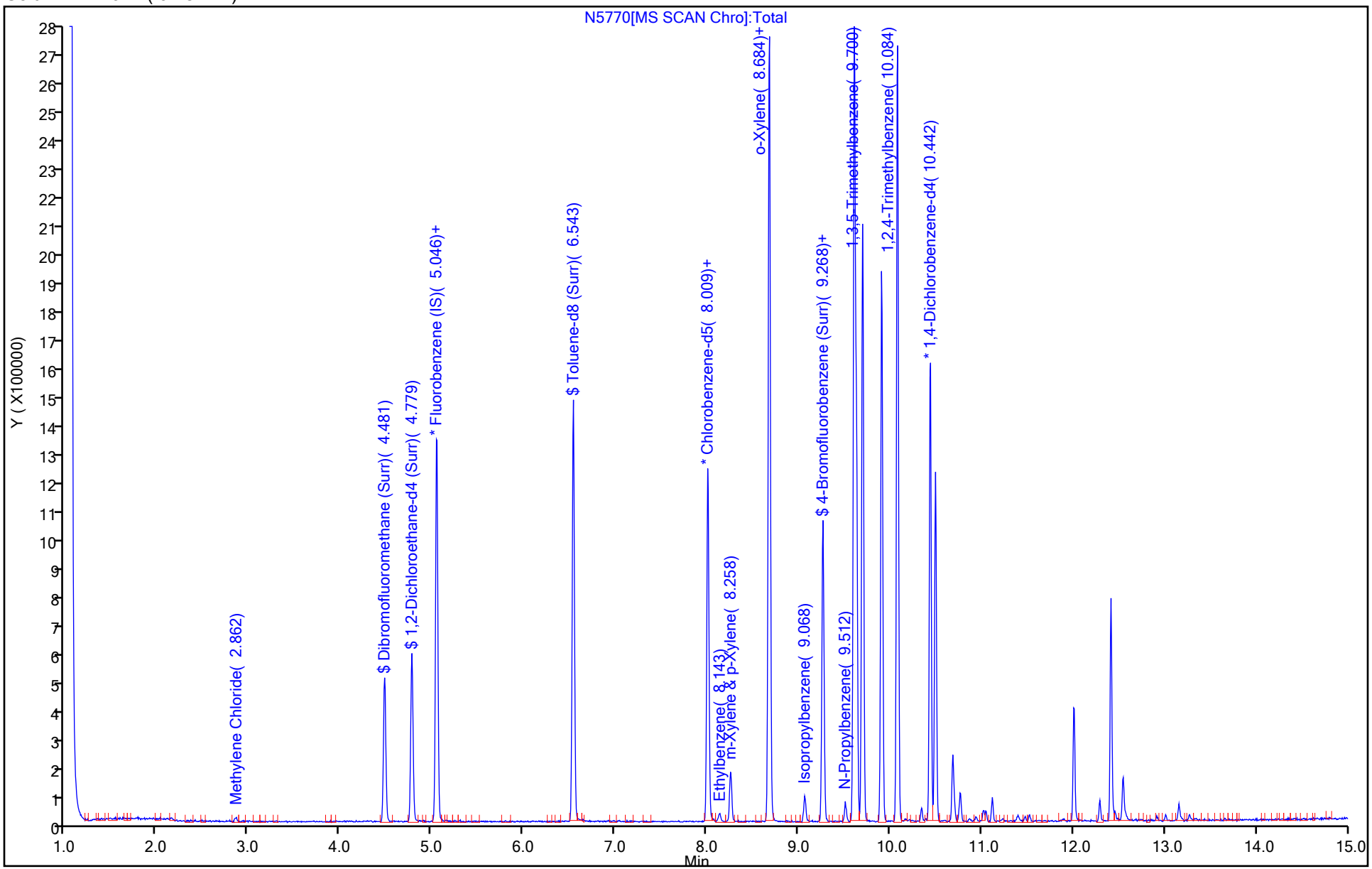
Report Date: 25-Mar-2024 09:58:14 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5770.d

Injection Date:	22-Mar-2024 15:39:30	Instrument ID:	HP5973N	Operator ID:	CC
Lims ID:	480-218035-A-2	Lab Sample ID:	480-218035-2	Worklist Smp#:	20
Client ID:	VRI-1				
Purge Vol:	5.000 mL	Dil. Factor:	100.0000	ALS Bottle#:	13
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5770.d
Lims ID: 480-218035-A-2
Client ID: VRI-1
Sample Type: Client
Inject. Date: 22-Mar-2024 15:39:30 ALS Bottle#: 13 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 100.0000
Sample Info: 480-218035-A-2
Misc. Info.: 480-0116891-020
Operator ID: CC Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Mar-2024 09:20:23 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: TJ9E Date: 22-Mar-2024 15:58:41

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	21.4	85.47
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	22.3	89.16
$ 6 Toluene-d8 (Surr)	25.0	26.8	107.04
$ 7 4-Bromofluorobenzene (Surr)	25.0	25.3	101.20

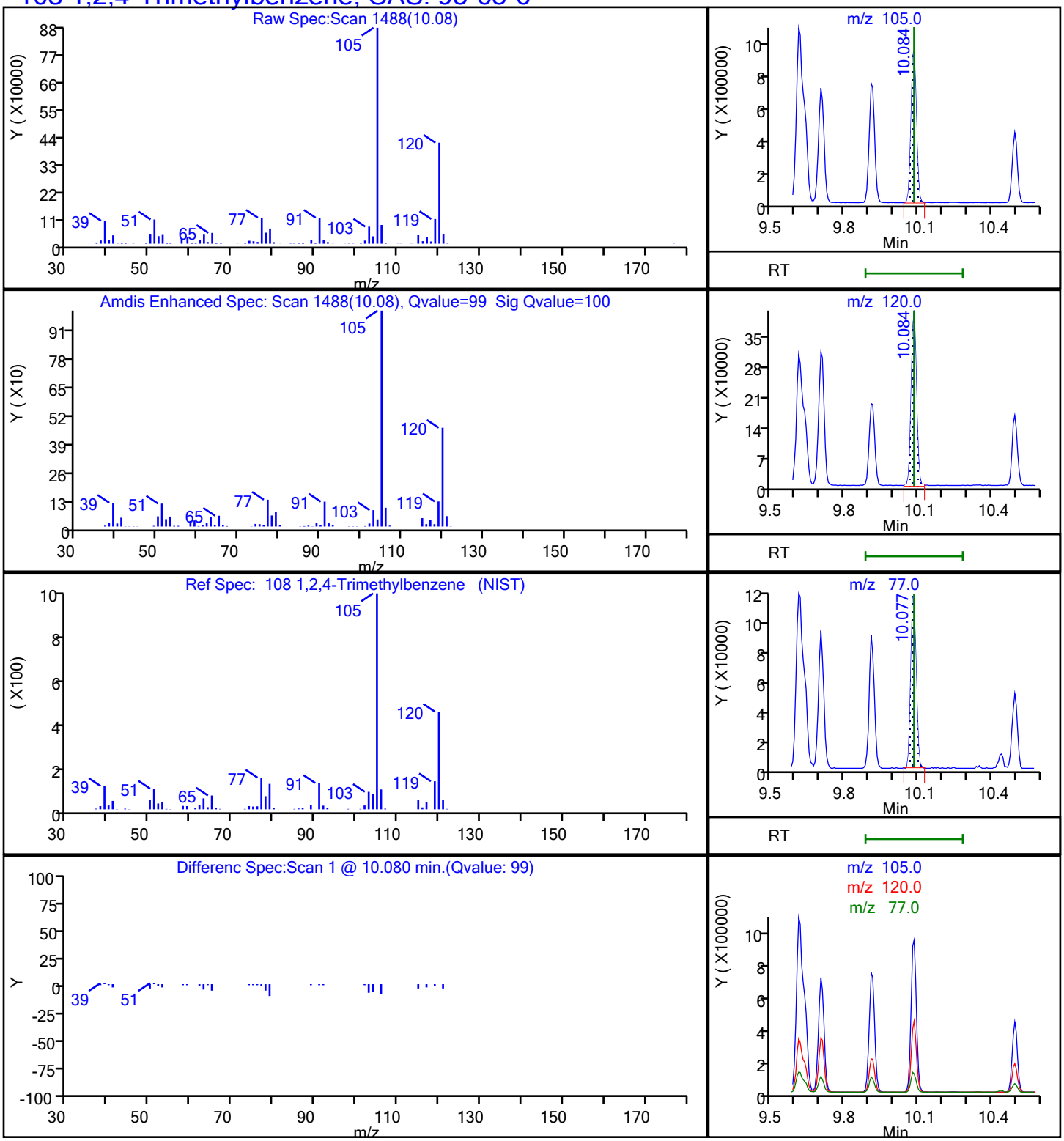
Report Date: 25-Mar-2024 09:58:14 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5770.d

Injection Date:	22-Mar-2024 15:39:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-2	Lab Sample ID:	480-218035-2		
Client ID:	VRI-1				
Operator ID:	CC	ALS Bottle#:	13	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	100.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

108 1,2,4-Trimethylbenzene, CAS: 95-63-6

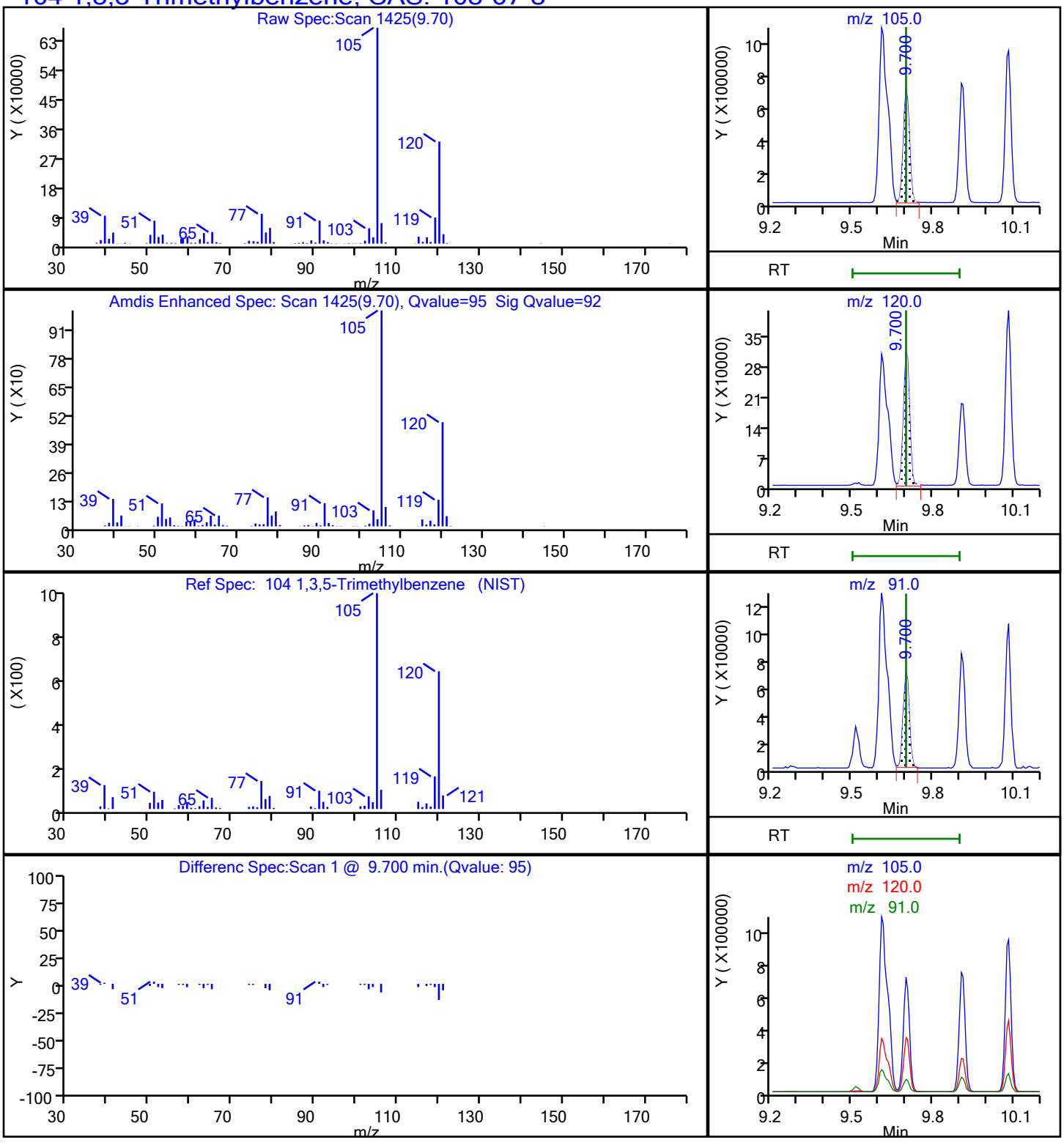


Report Date: 25-Mar-2024 09:58:14 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5770.d
Injection Date: 22-Mar-2024 15:39:30 Instrument ID: HP5973N
Lims ID: 480-218035-A-2 Lab Sample ID: 480-218035-2
Client ID: VRI-1
Operator ID: CC ALS Bottle#: 13 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 100.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

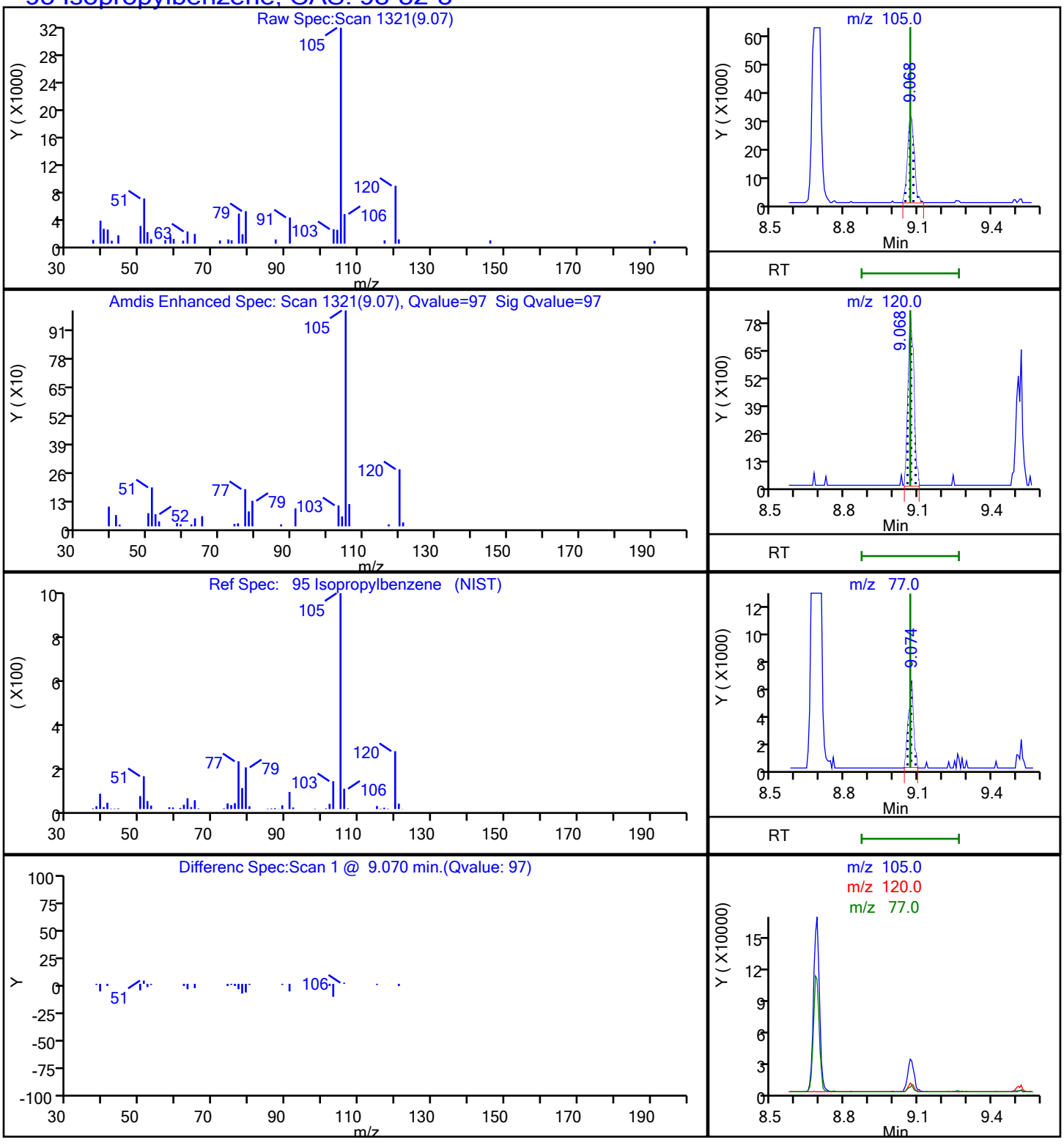
104 1,3,5-Trimethylbenzene, CAS: 108-67-8



Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5770.d
Injection Date: 22-Mar-2024 15:39:30 Instrument ID: HP5973N
Lims ID: 480-218035-A-2 Lab Sample ID: 480-218035-2
Client ID: VRI-1
Operator ID: CC ALS Bottle#: 13 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 100.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

95 Isopropylbenzene, CAS: 98-82-8



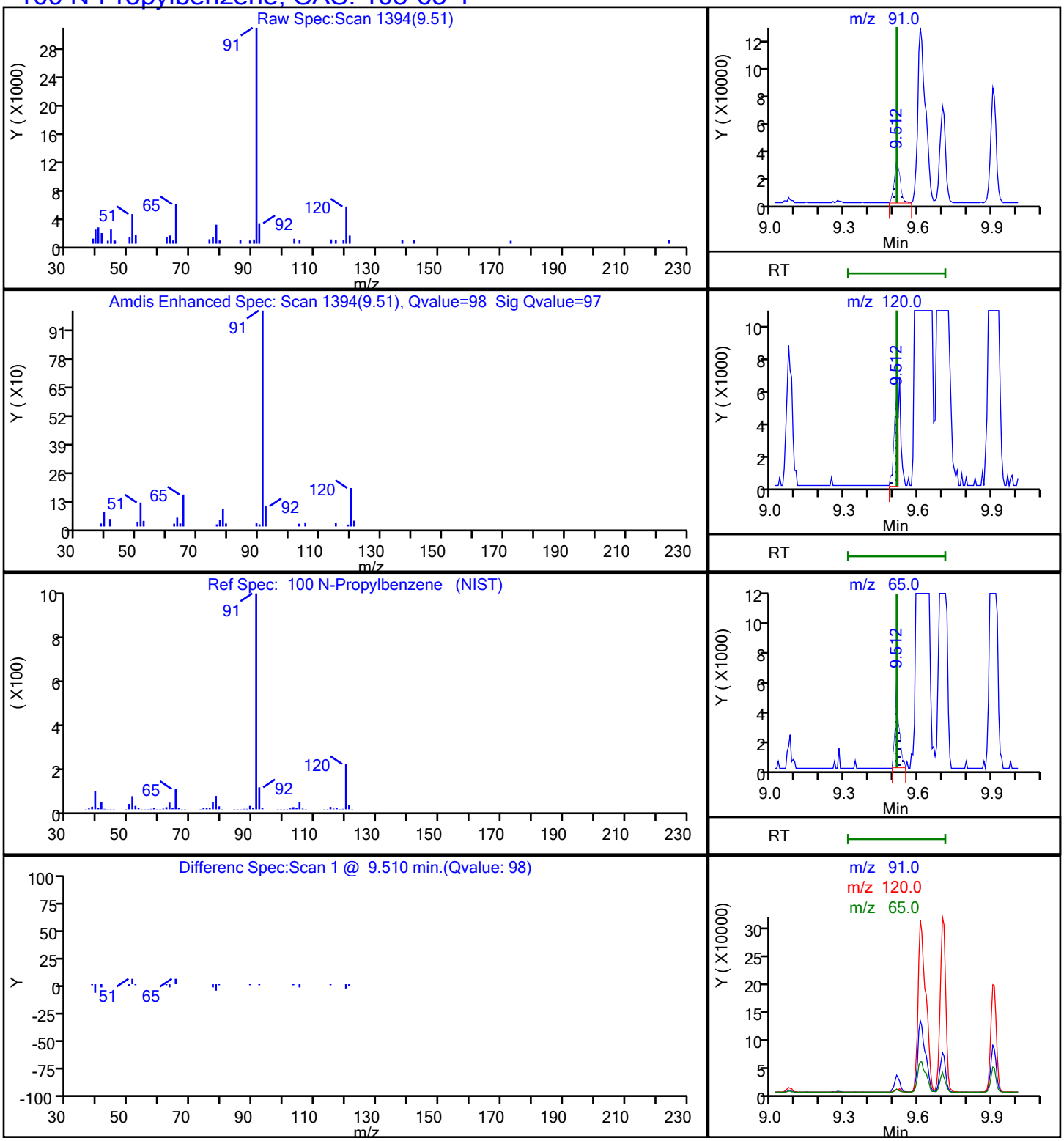
Report Date: 25-Mar-2024 09:58:14 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5770.d

Injection Date:	22-Mar-2024 15:39:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-2	Lab Sample ID:	480-218035-2		
Client ID:	VRI-1				
Operator ID:	CC	ALS Bottle#:	13	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	100.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

100 N-Propylbenzene, CAS: 103-65-1



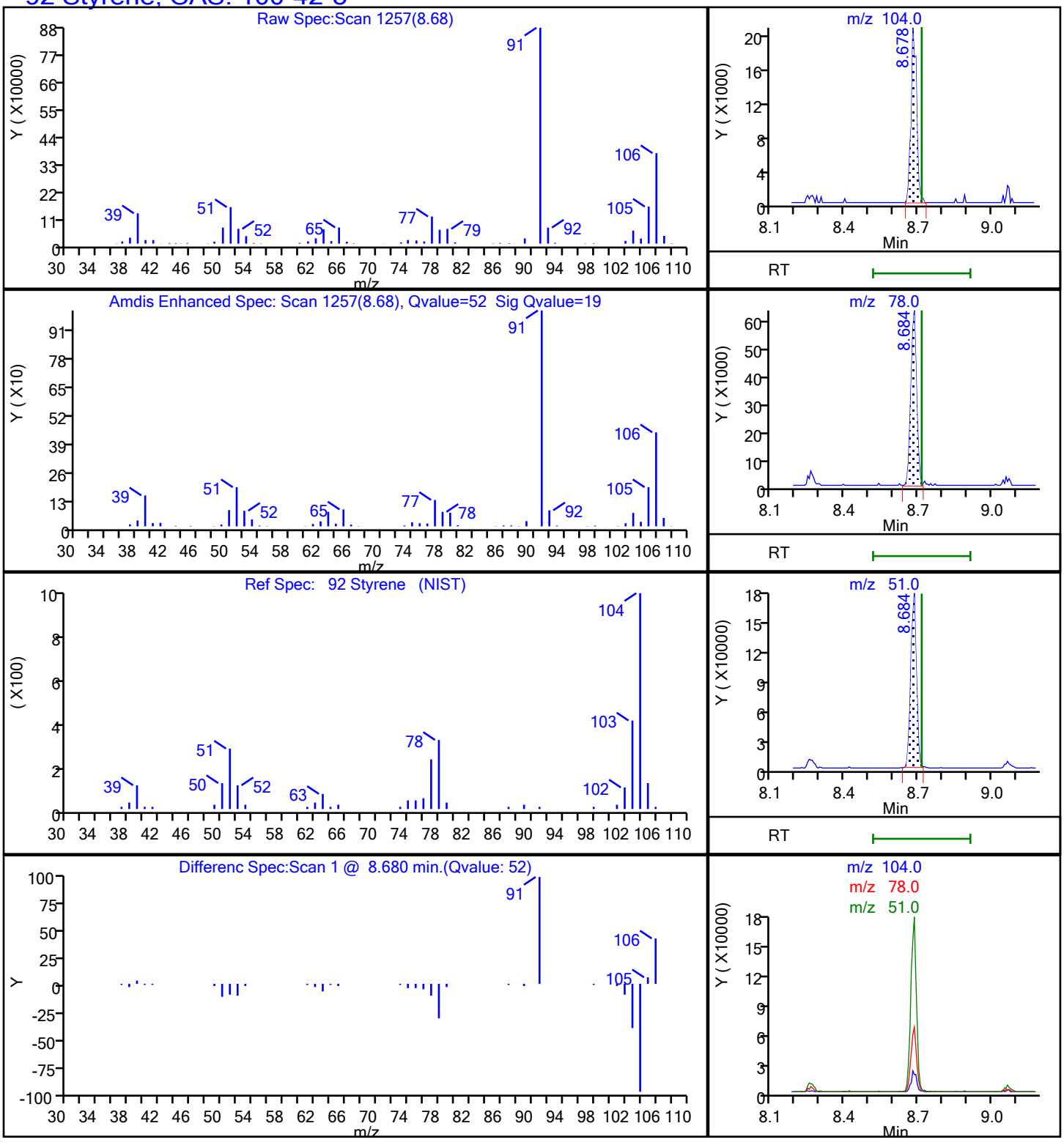
Report Date: 25-Mar-2024 09:58:14 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5770.d

Injection Date:	22-Mar-2024 15:39:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-2	Lab Sample ID:	480-218035-2		
Client ID:	VRI-1				
Operator ID:	CC	ALS Bottle#:	13	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	100.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

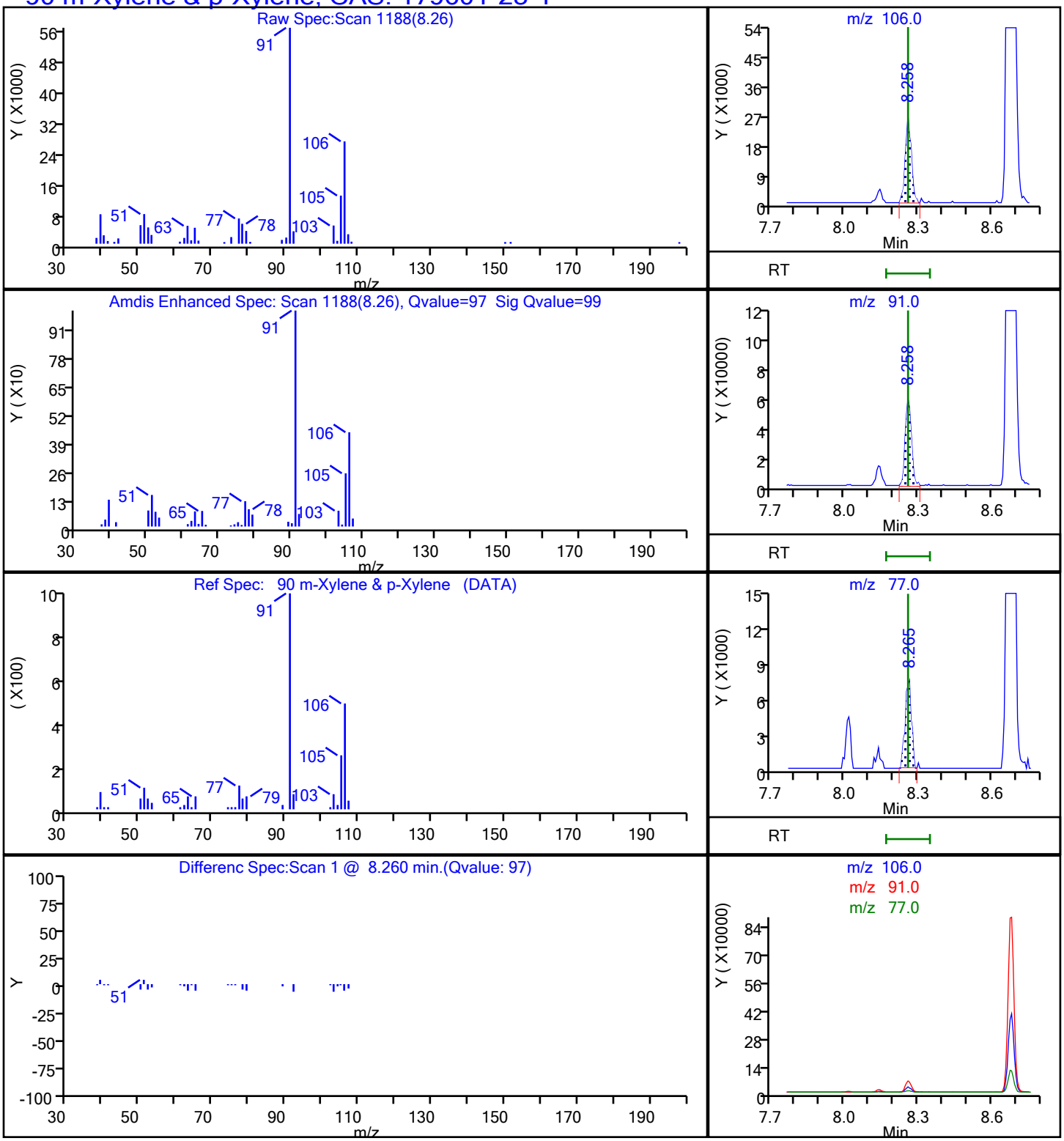
92 Styrene, CAS: 100-42-5



Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5770.d
Injection Date: 22-Mar-2024 15:39:30 Instrument ID: HP5973N
Lims ID: 480-218035-A-2 Lab Sample ID: 480-218035-2
Client ID: VRI-1
Operator ID: CC ALS Bottle#: 13 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 100.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

90 m-Xylene & p-Xylene, CAS: 179601-23-1



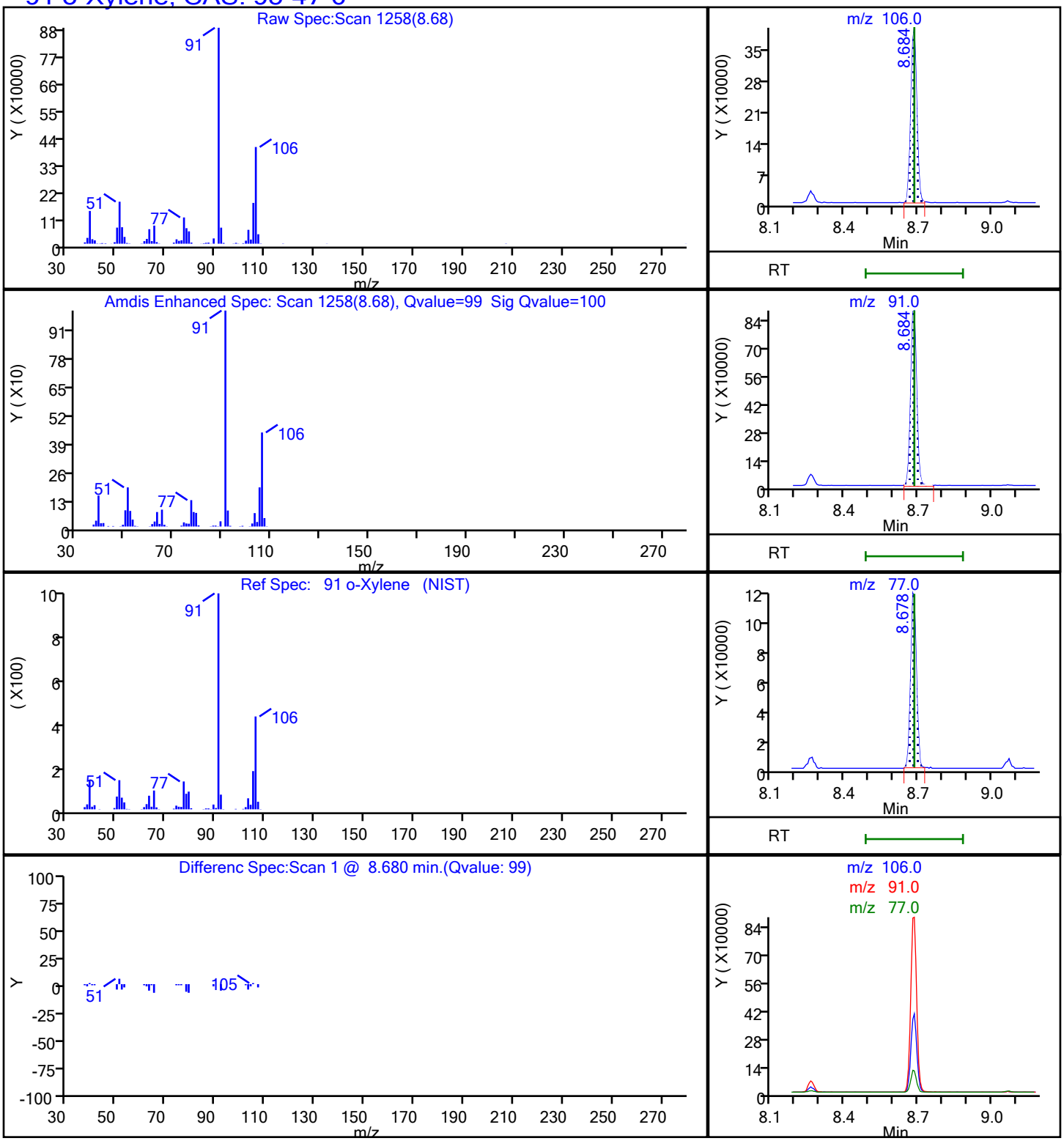
Report Date: 25-Mar-2024 09:58:14 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5770.d

Injection Date:	22-Mar-2024 15:39:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-2	Lab Sample ID:	480-218035-2		
Client ID:	VRI-1				
Operator ID:	CC	ALS Bottle#:	13	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	100.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

91 o-Xylene, CAS: 95-47-6



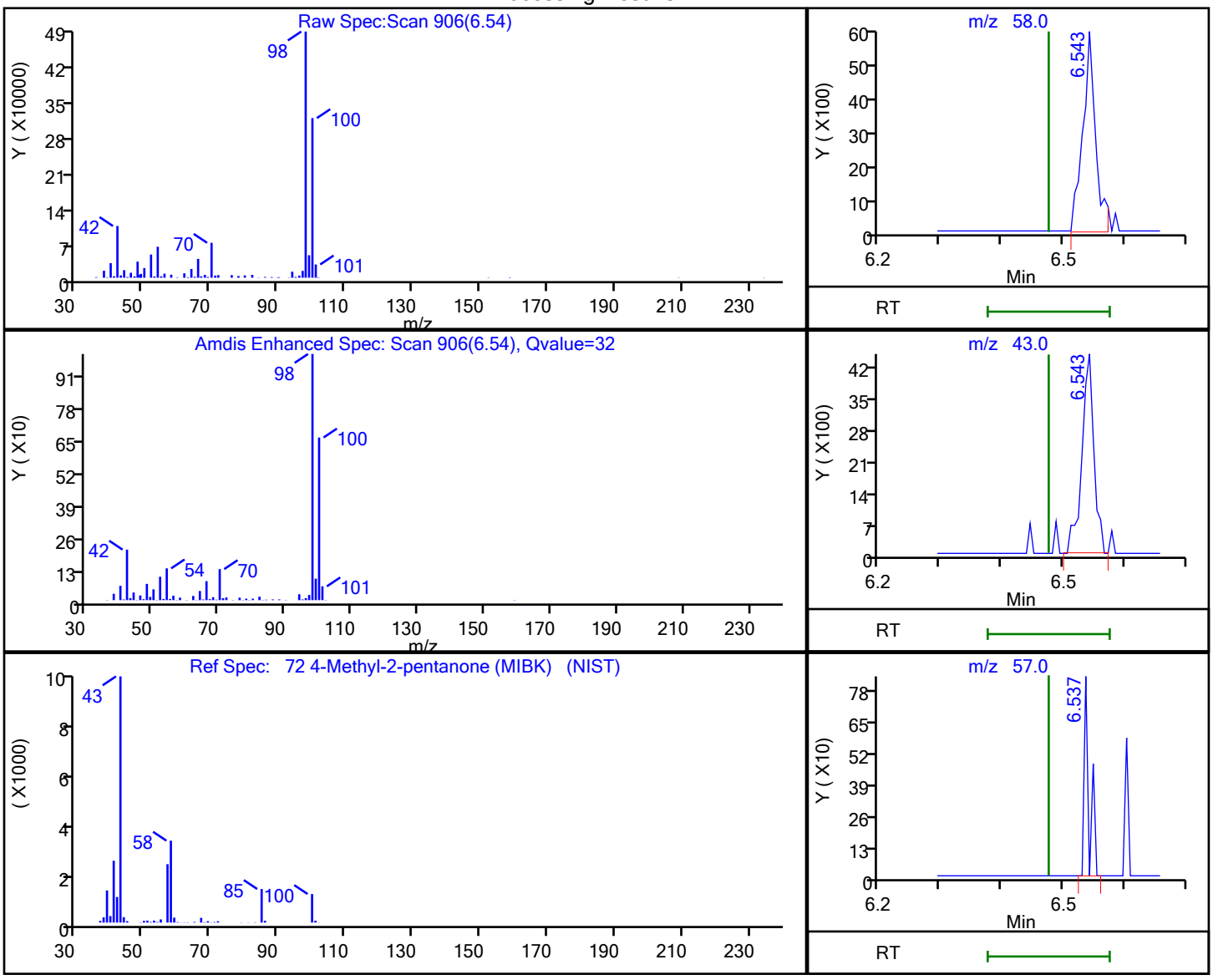
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5770.d				
Injection Date:	22-Mar-2024 15:39:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-2	Lab Sample ID:	480-218035-2		
Client ID:	VRI-1				
Operator ID:	CC	ALS Bottle#:	13	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	100.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

72 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.54	58.00	8656	1.470976
6.54	43.00	6148	
6.54	57.00	478	

Reviewer: TJ9E, 22-Mar-2024 15:58:14 -04:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Buffalo

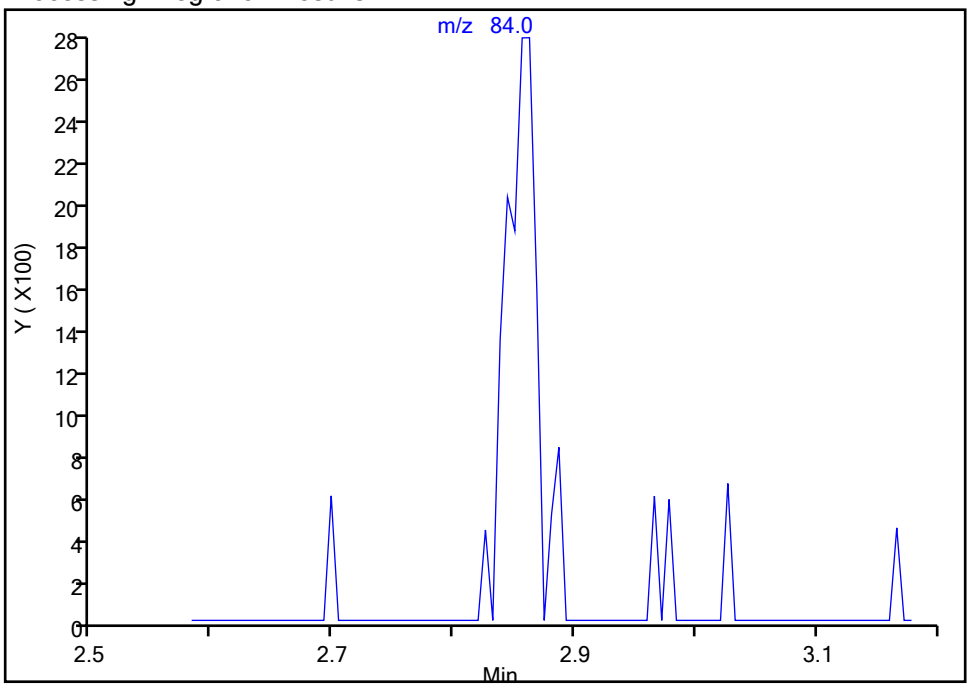
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5770.d				
Injection Date:	22-Mar-2024 15:39:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-2	Lab Sample ID:	480-218035-2		
Client ID:	VRI-1				
Operator ID:	CC	ALS Bottle#:	13	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	100.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

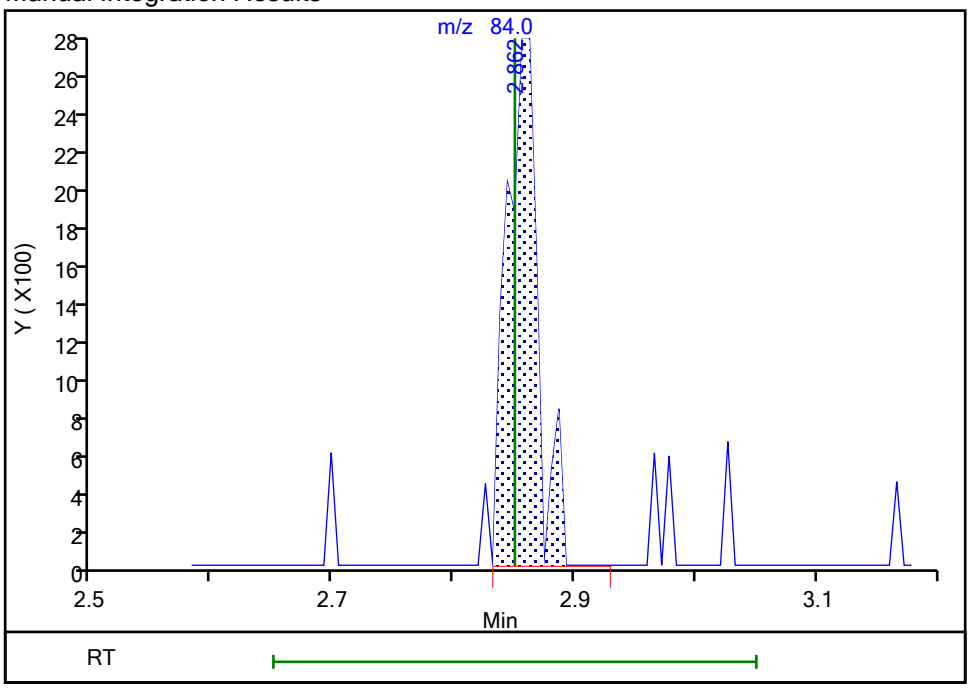
Not Detected
Expected RT: 2.85

Processing Integration Results



Manual Integration Results

RT: 2.86
Area: 5000
Amount: 0.434305
Amount Units: ug/L



Reviewer: TJ9E, 22-Mar-2024 15:57:50 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: VRI-4 | Lab Sample ID: 480-218035-3

Matrix: Water | Lab File ID: N5771.d

Analysis Method: 8260C | Date Collected: 03/19/2024 11:52

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 16:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704702 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: VRI-4 | Lab Sample ID: 480-218035-3

Matrix: Water | Lab File ID: N5771.d

Analysis Method: 8260C | Date Collected: 03/19/2024 11:52

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 16:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704702 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
103-65-1	N-Propylbenzene	ND		1.0	0.69
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND	*+	1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	79		75-123
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5771.d
Lims ID: 480-218035-A-3
Client ID: VRI-4
Sample Type: Client
Inject. Date: 22-Mar-2024 16:01:30 ALS Bottle#: 14 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-218035-A-3
Misc. Info.: 480-0116891-021
Operator ID: CC Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Mar-2024 08:55:57 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: TJ9E Date: 25-Mar-2024 08:55:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.047	5.052	-0.005	97	207738	25.0	
* 2 Chlorobenzene-d5	117	8.009	8.009	0.000	92	615895	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.443	10.443	0.001	97	347360	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.481	4.469	0.006	92	271681	19.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.779	4.779	0.000	98	364719	21.1	
$ 6 Toluene-d8 (Surr)	98	6.543	6.543	0.000	95	821483	25.4	
$ 7 4-Bromofluorobenzene (Surr)	174	9.269	9.268	0.001	84	259258	24.1	
11 Dichlorodifluoromethane	85		1.141				ND	
13 Chloromethane	50		1.287				ND	
14 Vinyl chloride	62		1.372				ND	
15 Bromomethane	94		1.640				ND	
16 Chloroethane	64		1.707				ND	
18 Trichlorofluoromethane	101		1.913				ND	
22 1,1-Dichloroethene	96		2.364				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.364				ND	
23 Acetone	43		2.473				ND	
25 Carbon disulfide	76		2.540				ND	
28 Methyl acetate	43		2.759				ND	
30 Methylene Chloride	84	2.844	2.844	-0.006	21	2394	0.1920	a
32 Methyl tert-butyl ether	73		3.057				ND	
33 trans-1,2-Dichloroethene	96		3.069				ND	
36 1,1-Dichloroethane	63		3.471				ND	
43 cis-1,2-Dichloroethene	96		4.018				ND	
44 2-Butanone (MEK)	43		4.049				ND	
50 Chloroform	83		4.329				ND	
51 1,1,1-Trichloroethane	97		4.426				ND	
52 Cyclohexane	56		4.432				ND	
53 Carbon tetrachloride	117		4.566				ND	
55 Benzene	78		4.779				ND	
57 1,2-Dichloroethane	62		4.846				ND	
60 Trichloroethene	95		5.381				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.497				ND	
63 1,2-Dichloropropane	63		5.618				ND	
67 Dichlorobromomethane	83		5.910				ND	
71 cis-1,3-Dichloropropene	75		6.324				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.476				ND	
73 Toluene	92		6.604				ND	
75 trans-1,3-Dichloropropene	75		6.890				ND	
78 1,1,2-Trichloroethane	83		7.078				ND	
79 Tetrachloroethene	166		7.133				ND	
82 2-Hexanone	43		7.309				ND	
83 Chlorodibromomethane	129		7.468				ND	
84 Ethylene Dibromide	107		7.565				ND	
85 Chlorobenzene	112		8.040				ND	
88 Ethylbenzene	91		8.137				ND	
90 m-Xylene & p-Xylene	106		8.259				ND	
91 o-Xylene	106		8.684				ND	
92 Styrene	104		8.715				ND	
93 Bromoform	173		8.958				ND	
95 Isopropylbenzene	105		9.068				ND	
98 1,1,2,2-Tetrachloroethane	83		9.493				ND	
100 N-Propylbenzene	91		9.512				ND	
104 1,3,5-Trimethylbenzene	105		9.700				ND	
108 1,2,4-Trimethylbenzene	105		10.084				ND	
110 1,3-Dichlorobenzene	146		10.370				ND	
113 1,4-Dichlorobenzene	146		10.467				ND	7
116 1,2-Dichlorobenzene	146		10.820				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.562				ND	
119 1,2,4-Trichlorobenzene	180		12.243				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

N 8260 IS_00265	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00467	Amount Added:	1.00	Units: uL	Run Reagent

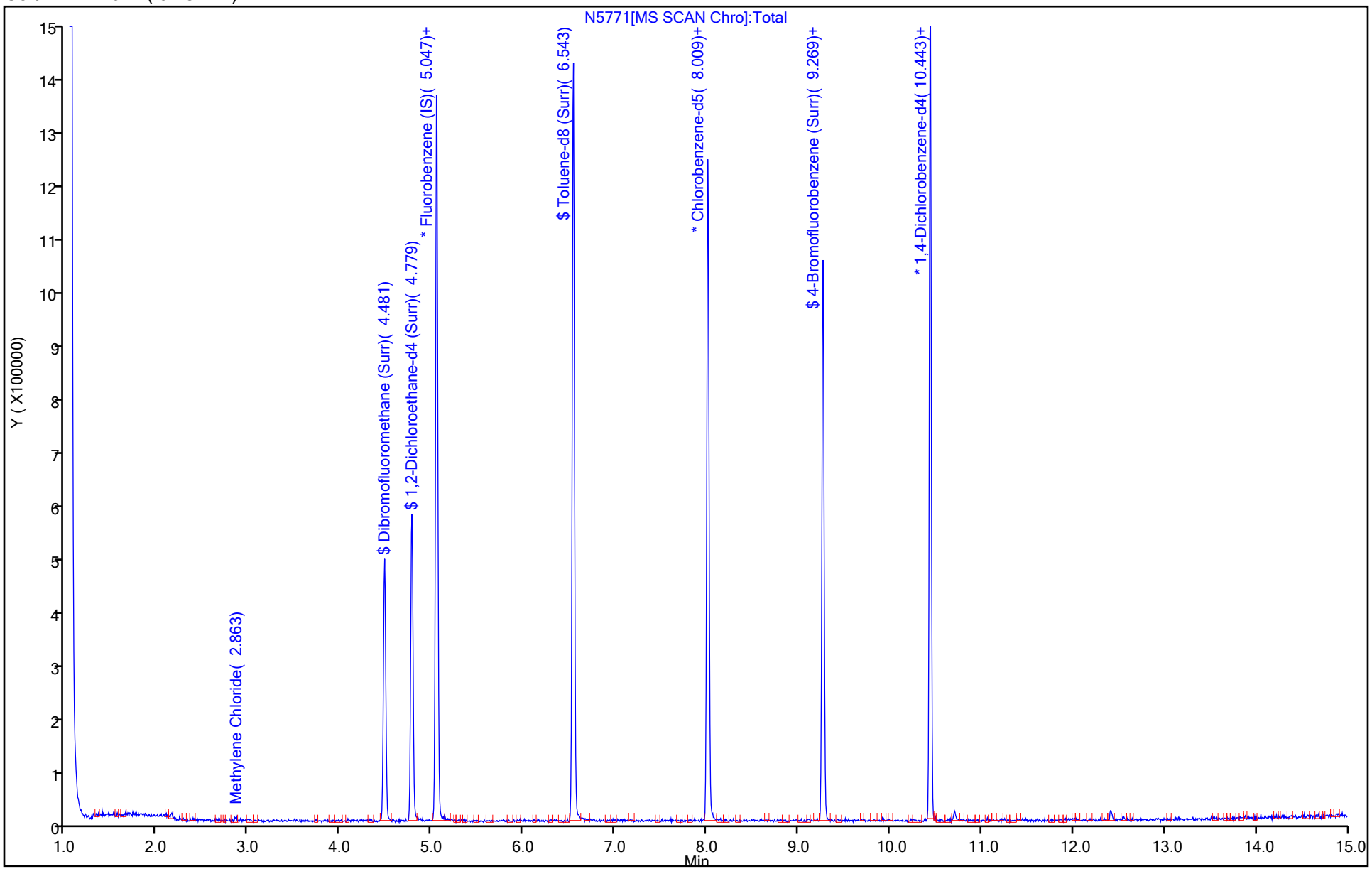
Report Date: 25-Mar-2024 08:55:58 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5771.d

Injection Date:	22-Mar-2024 16:01:30	Instrument ID:	HP5973N	Operator ID:	CC
Lims ID:	480-218035-A-3	Lab Sample ID:	480-218035-3	Worklist Smp#:	21
Client ID:	VRI-4				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



03/28/2024

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5771.d
Lims ID: 480-218035-A-3
Client ID: VRI-4
Sample Type: Client
Inject. Date: 22-Mar-2024 16:01:30 ALS Bottle#: 14 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-218035-A-3
Misc. Info.: 480-0116891-021
Operator ID: CC Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Mar-2024 08:55:57 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: TJ9E Date: 25-Mar-2024 08:55:57

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	19.8	79.12
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	21.1	84.50
$ 6 Toluene-d8 (Surr)	25.0	25.4	101.54
$ 7 4-Bromofluorobenzene (Surr)	25.0	24.1	96.53

Manual Integration/User Assign Peak Report

Eurofins Buffalo

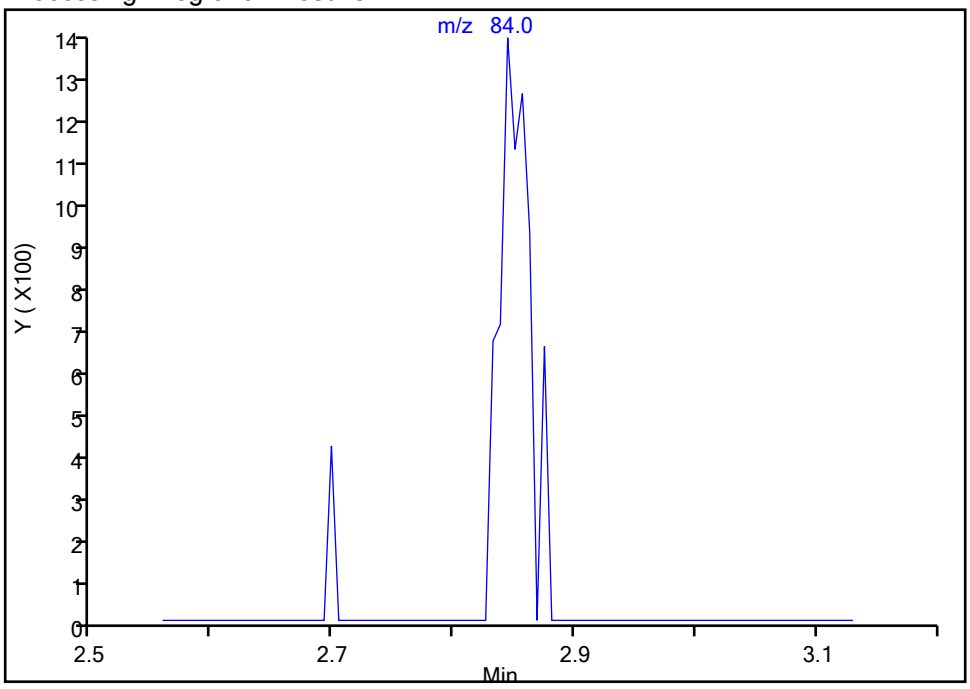
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5771.d				
Injection Date:	22-Mar-2024 16:01:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-3	Lab Sample ID:	480-218035-3		
Client ID:	VRI-4				
Operator ID:	CC	ALS Bottle#:	14	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

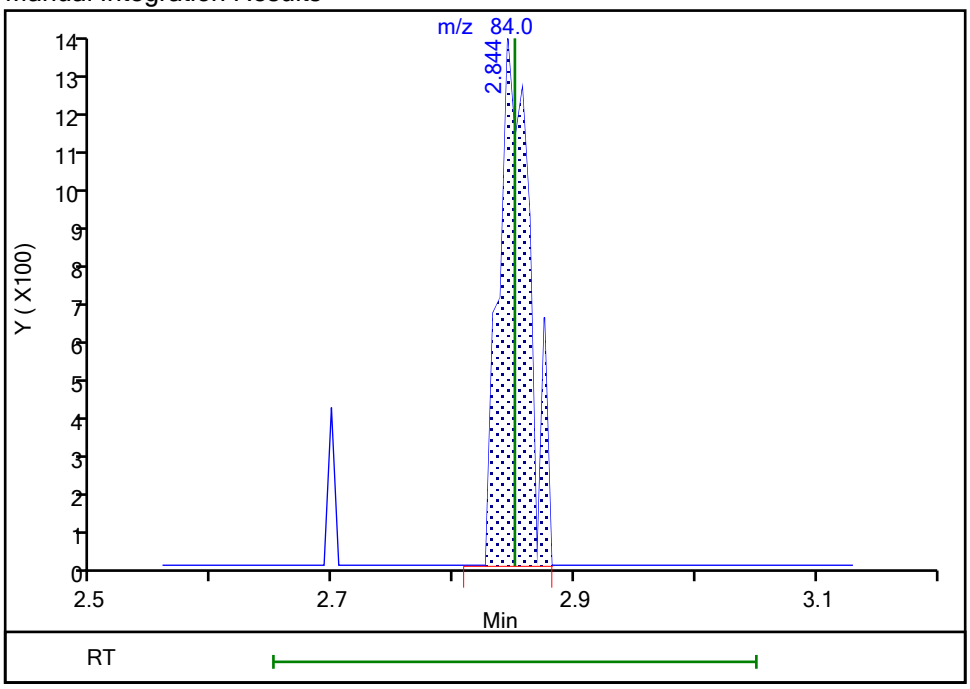
Not Detected
Expected RT: 2.85

Processing Integration Results



Manual Integration Results

RT: 2.84
Area: 2394
Amount: 0.191952
Amount Units: ug/L



Reviewer: TJ9E, 25-Mar-2024 08:54:25 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: GT-14 | Lab Sample ID: 480-218035-4

Matrix: Water | Lab File ID: N5772.d

Analysis Method: 8260C | Date Collected: 03/19/2024 14:01

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 16:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704702 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: GT-14 | Lab Sample ID: 480-218035-4

Matrix: Water | Lab File ID: N5772.d

Analysis Method: 8260C | Date Collected: 03/19/2024 14:01

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 16:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704702 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
103-65-1	N-Propylbenzene	ND		1.0	0.69
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND	*+	1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	80		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	79		75-123
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5772.d
Lims ID: 480-218035-A-4
Client ID: GT-14
Sample Type: Client
Inject. Date: 22-Mar-2024 16:24:30 ALS Bottle#: 15 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-218035-A-4
Misc. Info.: 480-0116891-022
Operator ID: CC Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Mar-2024 08:58:21 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: TJ9E Date: 25-Mar-2024 08:58:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.047	5.052	-0.005	97	211563	25.0	
* 2 Chlorobenzene-d5	117	8.009	8.009	0.000	92	615992	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.443	10.443	0.001	97	358133	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.481	4.469	0.006	92	276122	19.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.779	4.779	0.000	98	351822	20.0	
$ 6 Toluene-d8 (Surr)	98	6.543	6.543	0.000	96	840293	26.0	
$ 7 4-Bromofluorobenzene (Surr)	174	9.269	9.268	0.001	84	256504	23.9	
11 Dichlorodifluoromethane	85		1.141				ND	
13 Chloromethane	50		1.287				ND	
14 Vinyl chloride	62		1.372				ND	
15 Bromomethane	94		1.640				ND	
16 Chloroethane	64		1.707				ND	
18 Trichlorofluoromethane	101		1.913				ND	
22 1,1-Dichloroethene	96		2.364				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.364				ND	
23 Acetone	43	2.516	2.516	0.043	76	2848	0.3195	a
25 Carbon disulfide	76		2.540				ND	
28 Methyl acetate	43		2.759				ND	
30 Methylene Chloride	84		2.850				ND	U
32 Methyl tert-butyl ether	73		3.057				ND	
33 trans-1,2-Dichloroethene	96		3.069				ND	
36 1,1-Dichloroethane	63		3.471				ND	
43 cis-1,2-Dichloroethene	96		4.018				ND	
44 2-Butanone (MEK)	43		4.049				ND	
50 Chloroform	83		4.329				ND	
51 1,1,1-Trichloroethane	97		4.426				ND	
52 Cyclohexane	56		4.432				ND	
53 Carbon tetrachloride	117		4.566				ND	
55 Benzene	78		4.779				ND	
57 1,2-Dichloroethane	62		4.846				ND	
60 Trichloroethene	95		5.381				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.497				ND	
63 1,2-Dichloropropane	63		5.618				ND	
67 Dichlorobromomethane	83		5.910				ND	
71 cis-1,3-Dichloropropene	75		6.324				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.476				ND	U
73 Toluene	92		6.604				ND	
75 trans-1,3-Dichloropropene	75		6.890				ND	
78 1,1,2-Trichloroethane	83		7.078				ND	
79 Tetrachloroethene	166		7.133				ND	
82 2-Hexanone	43		7.309				ND	
83 Chlorodibromomethane	129		7.468				ND	
84 Ethylene Dibromide	107		7.565				ND	
85 Chlorobenzene	112		8.040				ND	
88 Ethylbenzene	91		8.137				ND	
90 m-Xylene & p-Xylene	106		8.259				ND	
91 o-Xylene	106		8.684				ND	
92 Styrene	104		8.715				ND	
93 Bromoform	173		8.958				ND	
95 Isopropylbenzene	105		9.068				ND	
98 1,1,2,2-Tetrachloroethane	83		9.493				ND	
100 N-Propylbenzene	91		9.512				ND	
104 1,3,5-Trimethylbenzene	105		9.700				ND	
108 1,2,4-Trimethylbenzene	105		10.084				ND	
110 1,3-Dichlorobenzene	146		10.370				ND	
113 1,4-Dichlorobenzene	146		10.467				ND	
116 1,2-Dichlorobenzene	146		10.820				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.562				ND	
119 1,2,4-Trichlorobenzene	180		12.243				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
- 7 - Failed Limit of Detection

Review Flags
- U - Marked Undetected
- a - User Assigned ID

Reagents:

N 8260 IS_00265	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00467	Amount Added:	1.00	Units: uL	Run Reagent

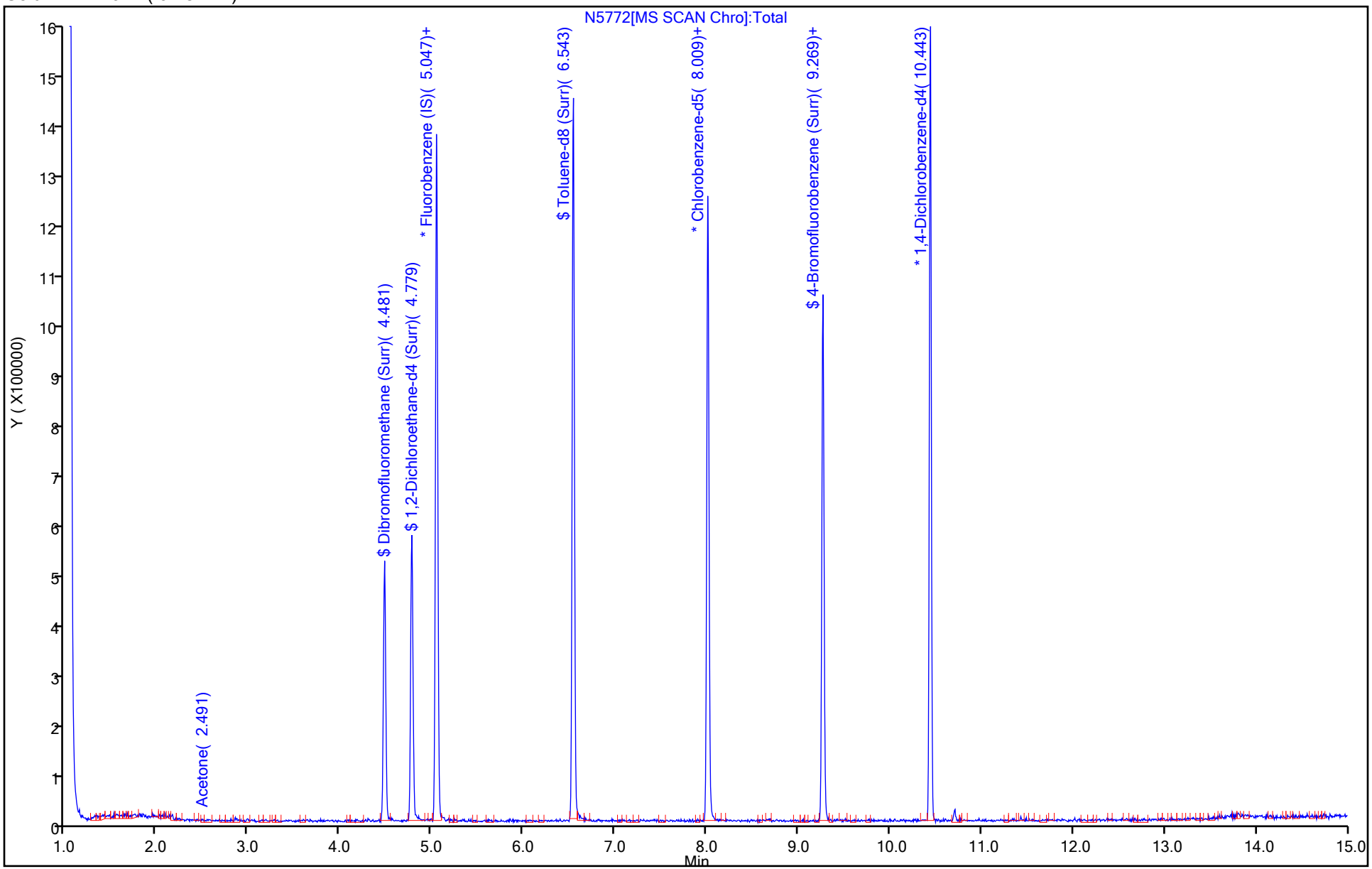
Report Date: 25-Mar-2024 08:58:21 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5772.d

Injection Date:	22-Mar-2024 16:24:30	Instrument ID:	HP5973N	Operator ID:	CC
Lims ID:	480-218035-A-4	Lab Sample ID:	480-218035-4	Worklist Smp#:	22
Client ID:	GT-14				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5772.d
Lims ID: 480-218035-A-4
Client ID: GT-14
Sample Type: Client
Inject. Date: 22-Mar-2024 16:24:30 ALS Bottle#: 15 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-218035-A-4
Misc. Info.: 480-0116891-022
Operator ID: CC Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Mar-2024 08:58:21 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: TJ9E Date: 25-Mar-2024 08:58:21

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	19.7	78.96
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	20.0	80.04
$ 6 Toluene-d8 (Surr)	25.0	26.0	103.85
$ 7 4-Bromofluorobenzene (Surr)	25.0	23.9	95.49

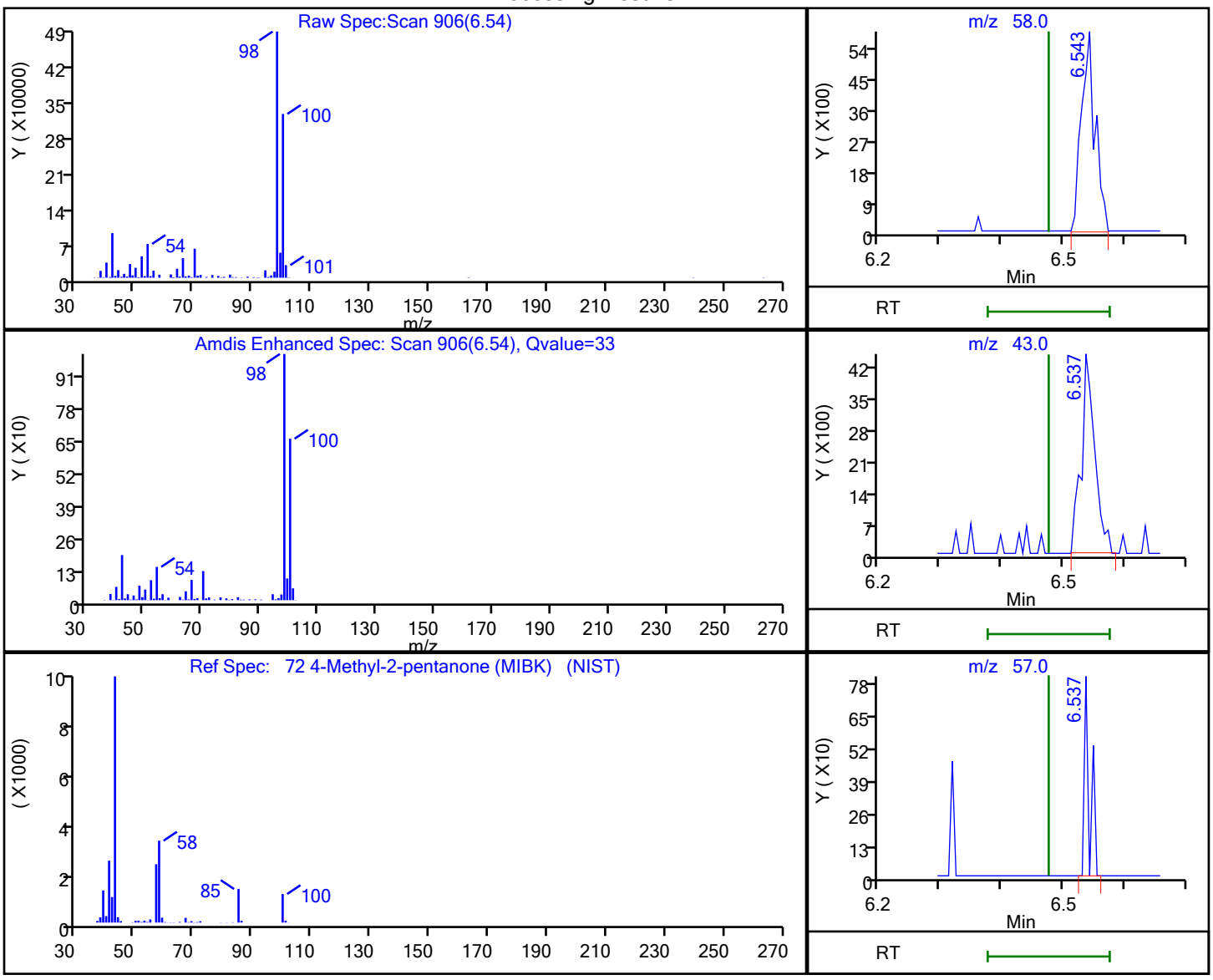
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5772.d				
Injection Date:	22-Mar-2024 16:24:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-4	Lab Sample ID:	480-218035-4		
Client ID:	GT-14				
Operator ID:	CC	ALS Bottle#:	15	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

72 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.54	58.00	9239	1.456324
6.54	43.00	6869	
6.54	57.00	488	

Reviewer: TJ9E, 25-Mar-2024 08:56:43 -04:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Buffalo

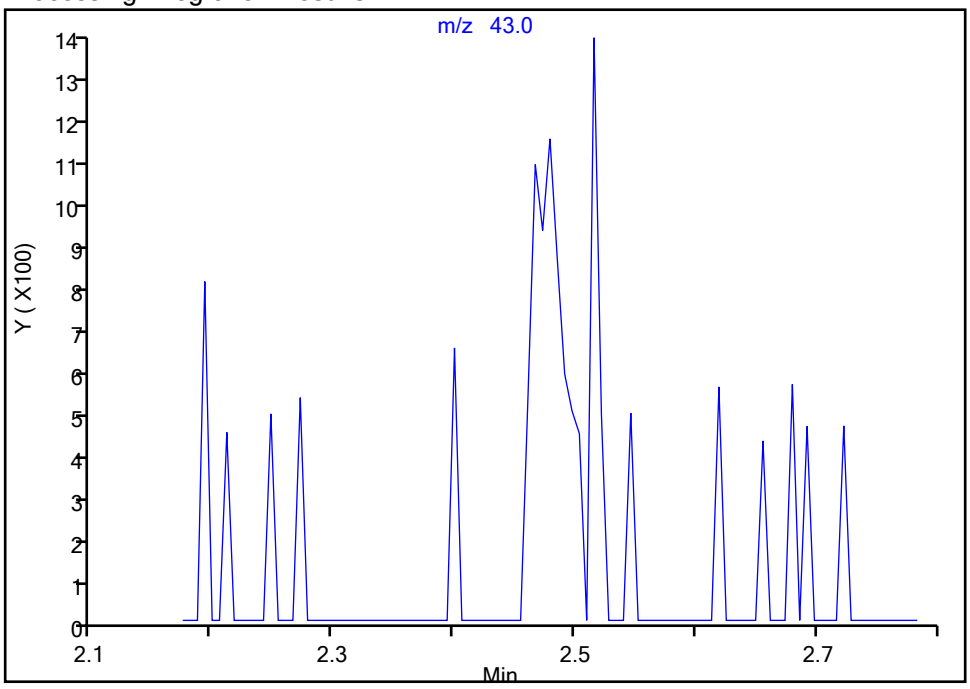
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5772.d		
Injection Date:	22-Mar-2024 16:24:30	Instrument ID:	HP5973N
Lims ID:	480-218035-A-4	Lab Sample ID:	480-218035-4
Client ID:	GT-14		
Operator ID:	CC	ALS Bottle#:	15 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

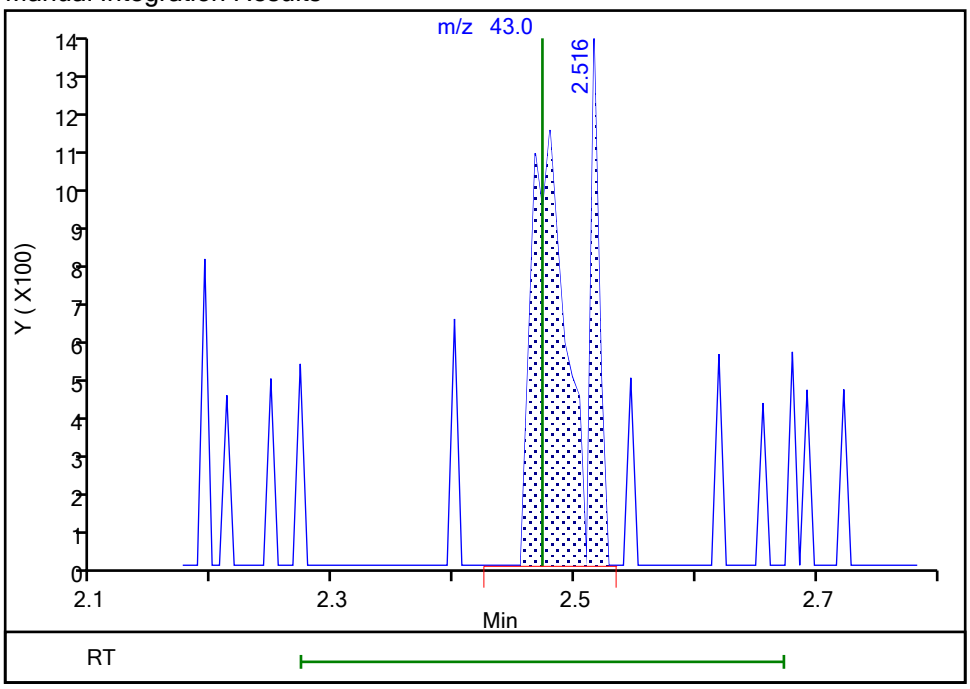
Not Detected
Expected RT: 2.47

Processing Integration Results



Manual Integration Results

RT: 2.52
Area: 2848
Amount: 0.319493
Amount Units: ug/L



Reviewer: TJ9E, 25-Mar-2024 08:56:18 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

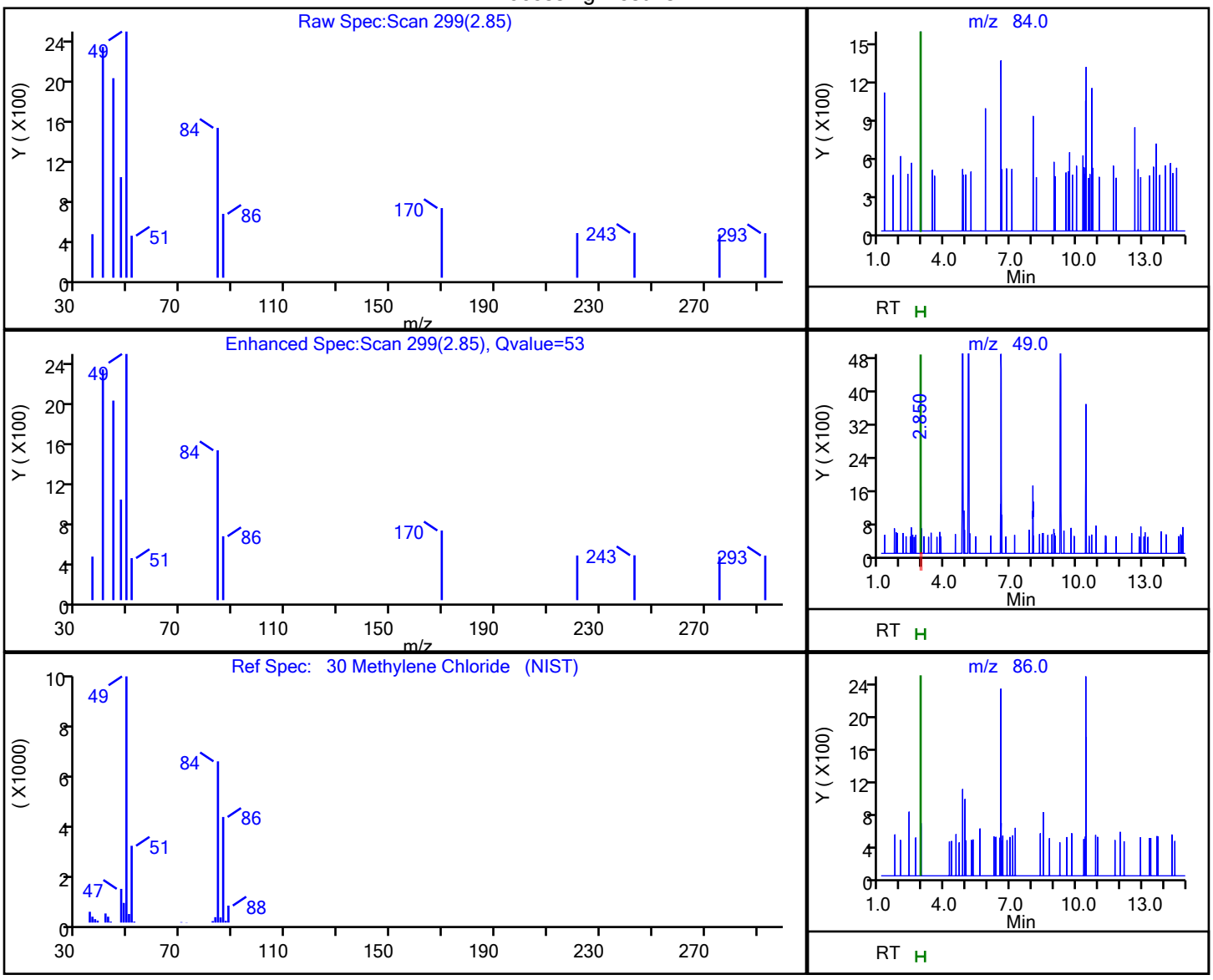
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5772.d				
Injection Date:	22-Mar-2024 16:24:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-4	Lab Sample ID:	480-218035-4		
Client ID:	GT-14				
Operator ID:	CC	ALS Bottle#:	15	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
2.85	84.00	0	
2.85	49.00	2935	
2.85	86.00	0	

Reviewer: TJ9E, 25-Mar-2024 08:56:31 -04:00:00 (UTC)

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: GT-9R | Lab Sample ID: 480-218035-5

Matrix: Water | Lab File ID: N5773.d

Analysis Method: 8260C | Date Collected: 03/18/2024 16:05

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 16:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704702 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: GT-9R | Lab Sample ID: 480-218035-5

Matrix: Water | Lab File ID: N5773.d

Analysis Method: 8260C | Date Collected: 03/18/2024 16:05

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 16:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704702 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
103-65-1	N-Propylbenzene	ND		1.0	0.69
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND	*+	1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	81		75-123
2037-26-5	Toluene-d8 (Surr)	106		80-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5773.d
Lims ID: 480-218035-A-5
Client ID: GT-9R
Sample Type: Client
Inject. Date: 22-Mar-2024 16:46:30 ALS Bottle#: 16 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-218035-A-5
Misc. Info.: 480-0116891-023
Operator ID: CC Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Mar-2024 08:59:27 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: TJ9E Date: 25-Mar-2024 08:59:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.046	5.052	-0.006	97	202110	25.0	
* 2 Chlorobenzene-d5	117	8.009	8.009	0.000	93	599978	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.443	10.443	0.000	97	340644	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.481	4.469	0.006	91	270128	20.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.779	4.779	0.000	99	354934	21.1	
$ 6 Toluene-d8 (Surr)	98	6.543	6.543	0.000	95	835188	26.5	
$ 7 4-Bromofluorobenzene (Surr)	174	9.268	9.268	0.000	83	256031	24.5	
11 Dichlorodifluoromethane	85		1.141				ND	
13 Chloromethane	50		1.287				ND	
14 Vinyl chloride	62		1.372				ND	
15 Bromomethane	94		1.640				ND	
16 Chloroethane	64		1.707				ND	
18 Trichlorofluoromethane	101		1.913				ND	
22 1,1-Dichloroethene	96		2.364				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.364				ND	
23 Acetone	43	2.467	2.467	-0.006	29	4825	0.5666	a
25 Carbon disulfide	76		2.540				ND	
28 Methyl acetate	43		2.759				ND	
30 Methylene Chloride	84	2.856	2.856	0.006	46	2226	0.1835	a
32 Methyl tert-butyl ether	73		3.057				ND	
33 trans-1,2-Dichloroethene	96		3.069				ND	
36 1,1-Dichloroethane	63		3.471				ND	
43 cis-1,2-Dichloroethene	96		4.018				ND	
44 2-Butanone (MEK)	43		4.049				ND	
50 Chloroform	83	4.335	4.335	0.006	2	2094	0.1042	a
51 1,1,1-Trichloroethane	97		4.426				ND	
52 Cyclohexane	56		4.432				ND	
53 Carbon tetrachloride	117		4.566				ND	
55 Benzene	78		4.779				ND	
57 1,2-Dichloroethane	62		4.846				ND	
60 Trichloroethene	95		5.381				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.497				ND	
63 1,2-Dichloropropane	63		5.618				ND	
67 Dichlorobromomethane	83		5.910				ND	
71 cis-1,3-Dichloropropene	75		6.324				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.476				ND	U
73 Toluene	92		6.604				ND	
75 trans-1,3-Dichloropropene	75		6.890				ND	
78 1,1,2-Trichloroethane	83		7.078				ND	
79 Tetrachloroethene	166		7.133				ND	
82 2-Hexanone	43		7.309				ND	
83 Chlorodibromomethane	129		7.468				ND	7
84 Ethylene Dibromide	107		7.565				ND	
85 Chlorobenzene	112		8.040				ND	
88 Ethylbenzene	91		8.137				ND	
90 m-Xylene & p-Xylene	106		8.259				ND	
91 o-Xylene	106		8.684				ND	
92 Styrene	104		8.715				ND	
93 Bromoform	173		8.958				ND	
95 Isopropylbenzene	105		9.068				ND	
98 1,1,2,2-Tetrachloroethane	83		9.493				ND	
100 N-Propylbenzene	91		9.512				ND	
104 1,3,5-Trimethylbenzene	105		9.700				ND	
108 1,2,4-Trimethylbenzene	105		10.084				ND	
110 1,3-Dichlorobenzene	146		10.370				ND	
113 1,4-Dichlorobenzene	146		10.467				ND	
116 1,2-Dichlorobenzene	146		10.820				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.562				ND	
119 1,2,4-Trichlorobenzene	180		12.243				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
- 7 - Failed Limit of Detection

Review Flags
- U - Marked Undetected
- a - User Assigned ID

Reagents:

N 8260 IS_00265	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00467	Amount Added:	1.00	Units: uL	Run Reagent

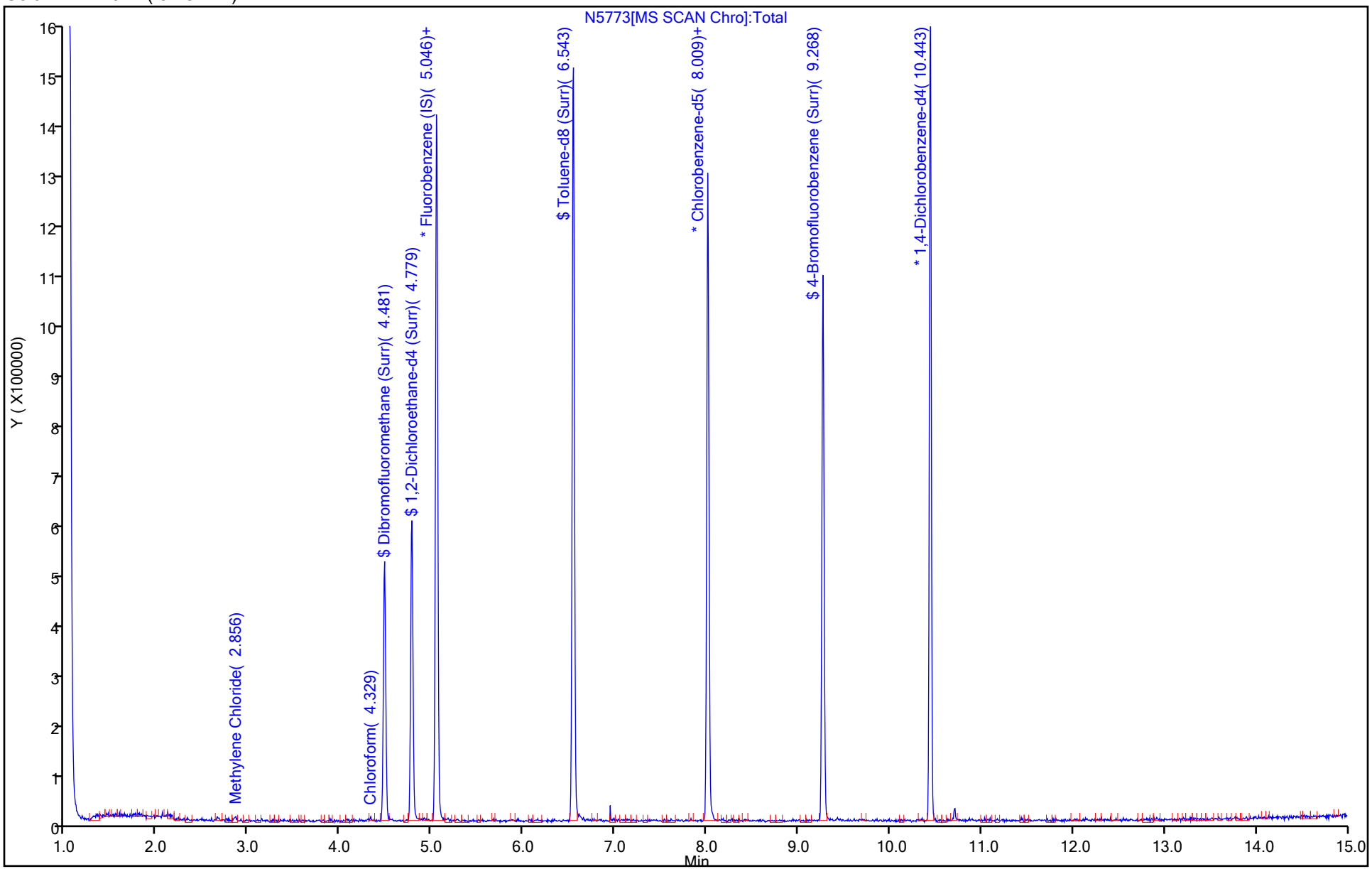
Report Date: 25-Mar-2024 08:59:27 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5773.d

Injection Date:	22-Mar-2024 16:46:30	Instrument ID:	HP5973N	Operator ID:	CC
Lims ID:	480-218035-A-5	Lab Sample ID:	480-218035-5	Worklist Smp#:	23
Client ID:	GT-9R				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



03/28/2024

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5773.d
Lims ID: 480-218035-A-5
Client ID: GT-9R
Sample Type: Client
Inject. Date: 22-Mar-2024 16:46:30 ALS Bottle#: 16 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-218035-A-5
Misc. Info.: 480-0116891-023
Operator ID: CC Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Mar-2024 08:59:27 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: TJ9E Date: 25-Mar-2024 08:59:27

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	20.2	80.86
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	21.1	84.53
$ 6 Toluene-d8 (Surr)	25.0	26.5	105.97
$ 7 4-Bromofluorobenzene (Surr)	25.0	24.5	97.85

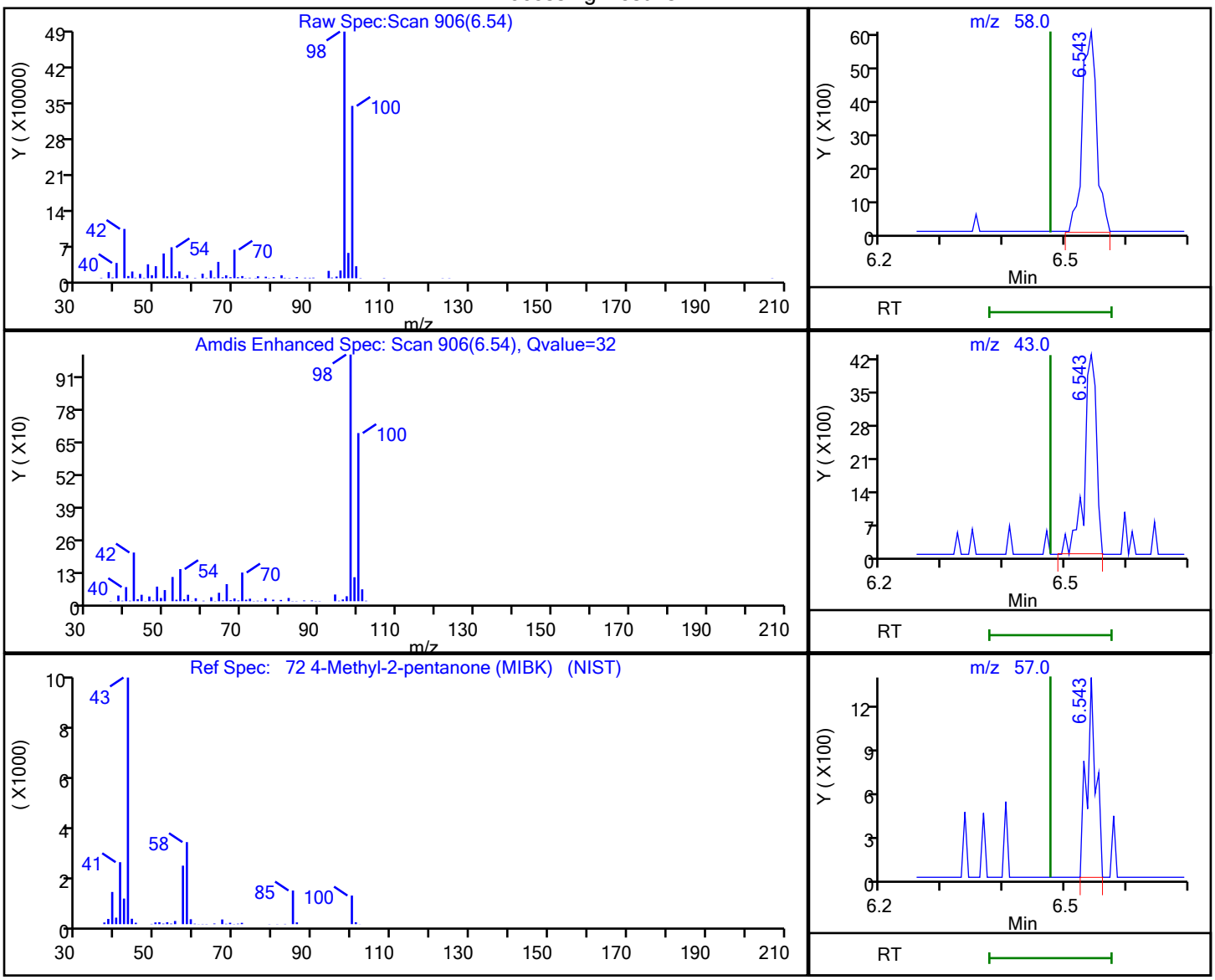
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5773.d				
Injection Date:	22-Mar-2024 16:46:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-5	Lab Sample ID:	480-218035-5		
Client ID:	GT-9R				
Operator ID:	CC	ALS Bottle#:	16	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

72 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.54	58.00	9781	1.582909
6.54	43.00	5811	
6.54	57.00	1412	

Reviewer: TJ9E, 25-Mar-2024 08:59:10 -04:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Buffalo

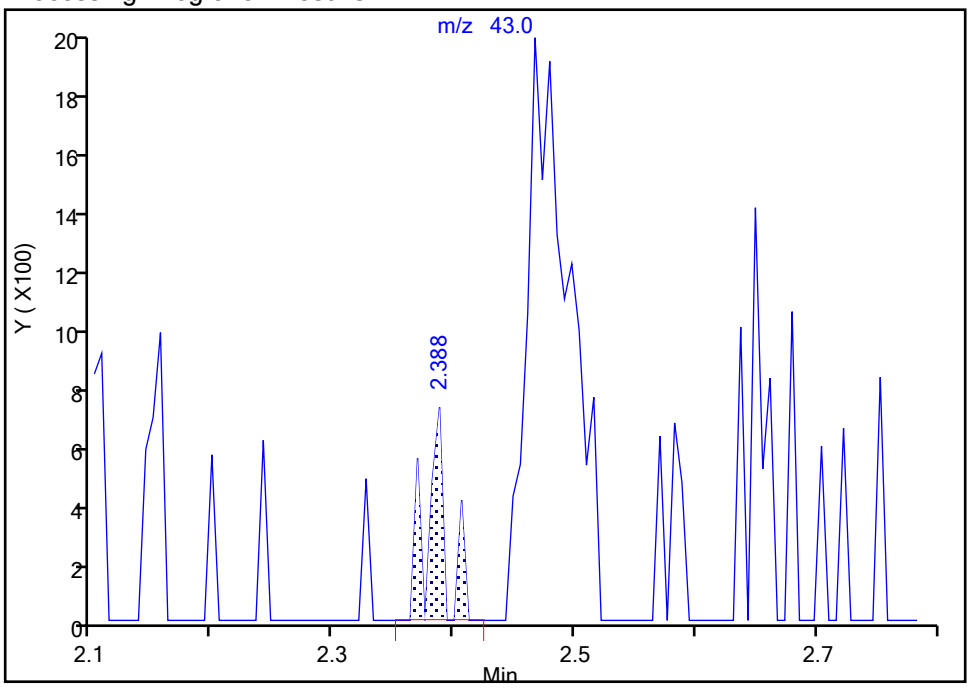
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5773.d				
Injection Date:	22-Mar-2024 16:46:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-5	Lab Sample ID:	480-218035-5		
Client ID:	GT-9R				
Operator ID:	CC	ALS Bottle#:	16	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

23 Acetone, CAS: 67-64-1

Signal: 1

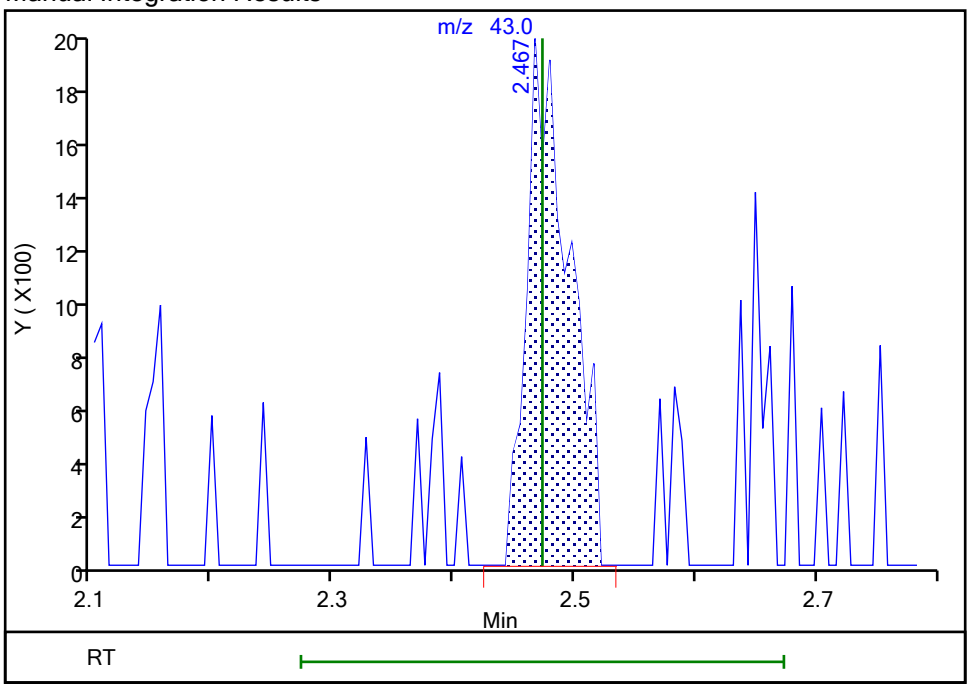
Processing Integration Results

RT: 2.39
Area: 785
Amount: 0.092181
Amount Units: ug/L



Manual Integration Results

RT: 2.47
Area: 4825
Amount: 0.566593
Amount Units: ug/L



Reviewer: TJ9E, 25-Mar-2024 08:58:39 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

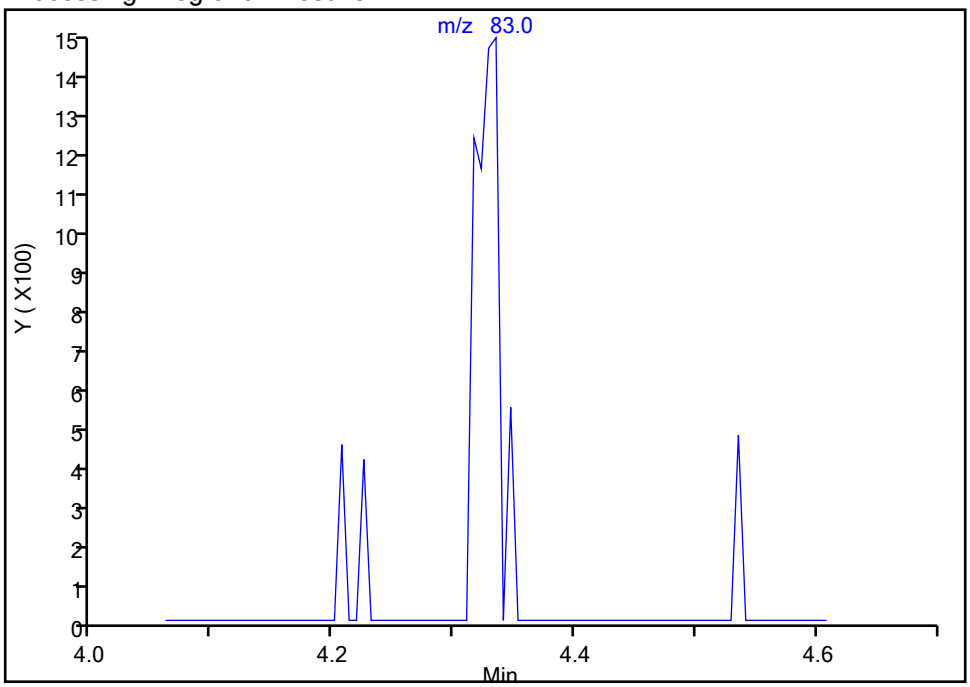
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5773.d				
Injection Date:	22-Mar-2024 16:46:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-5	Lab Sample ID:	480-218035-5		
Client ID:	GT-9R				
Operator ID:	CC	ALS Bottle#:	16	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

50 Chloroform, CAS: 67-66-3

Signal: 1

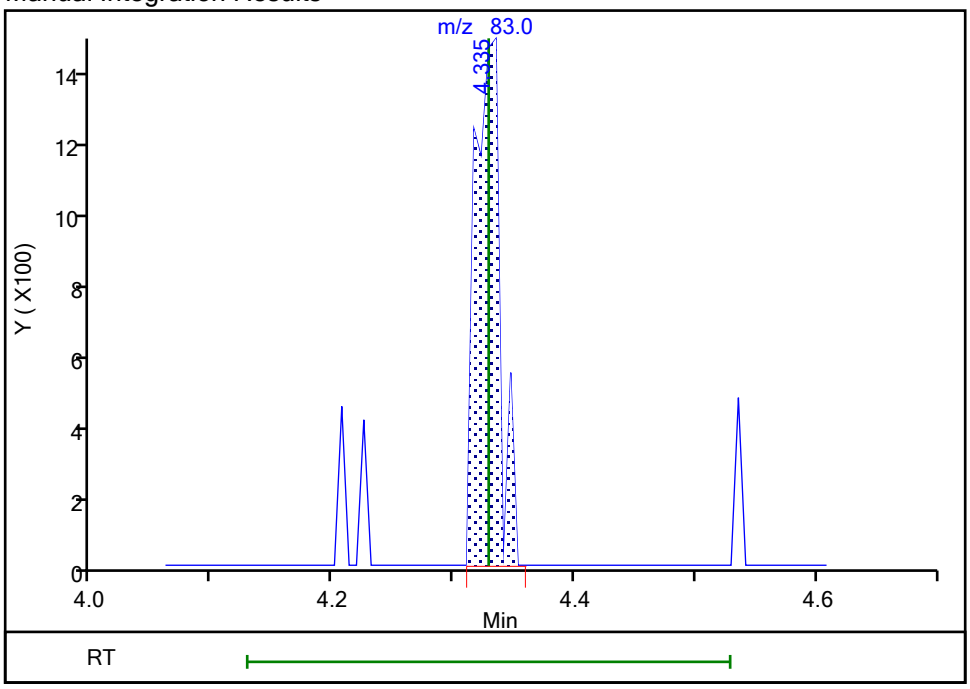
Not Detected
Expected RT: 4.33

Processing Integration Results



Manual Integration Results

RT: 4.33
Area: 2094
Amount: 0.104192
Amount Units: ug/L



Reviewer: TJ9E, 25-Mar-2024 08:58:57 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

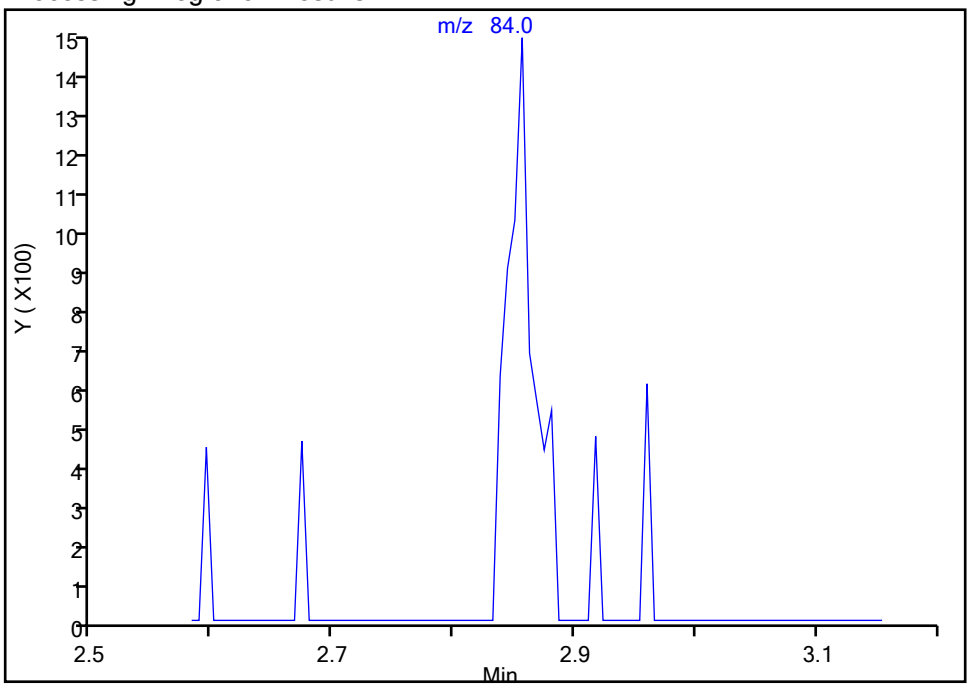
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5773.d				
Injection Date:	22-Mar-2024 16:46:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-5	Lab Sample ID:	480-218035-5		
Client ID:	GT-9R				
Operator ID:	CC	ALS Bottle#:	16	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

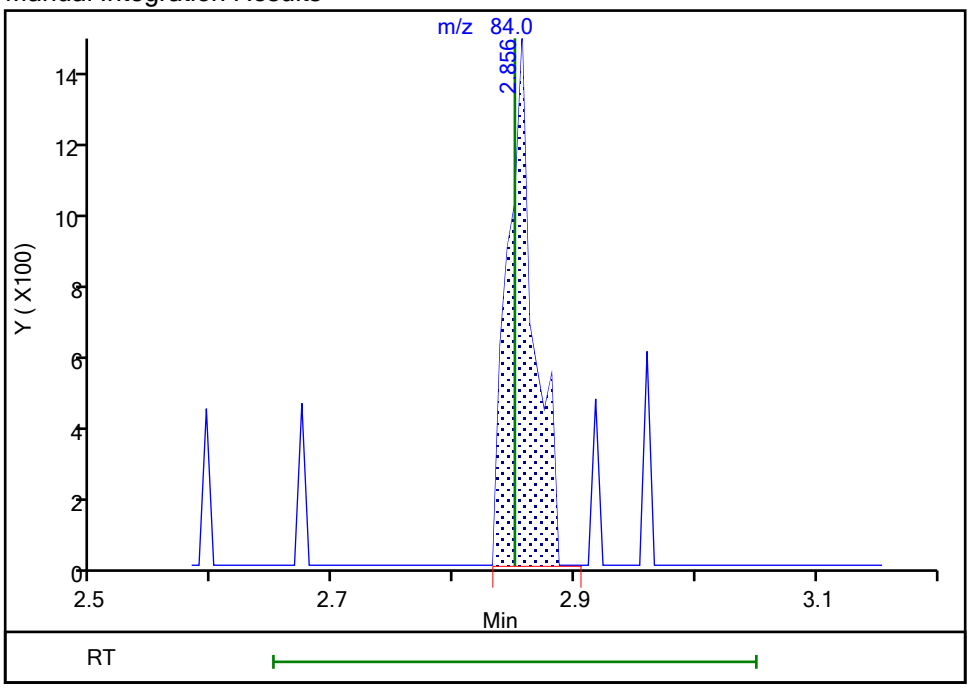
Not Detected
Expected RT: 2.85

Processing Integration Results



Manual Integration Results

RT: 2.86
Area: 2226
Amount: 0.183452
Amount Units: ug/L



Reviewer: TJ9E, 25-Mar-2024 08:58:48 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: GT-16 | Lab Sample ID: 480-218035-6

Matrix: Water | Lab File ID: N5774.d

Analysis Method: 8260C | Date Collected: 03/18/2024 13:45

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 17:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704702 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	1.4		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: GT-16 | Lab Sample ID: 480-218035-6

Matrix: Water | Lab File ID: N5774.d

Analysis Method: 8260C | Date Collected: 03/18/2024 13:45

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 17:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704702 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
103-65-1	N-Propylbenzene	ND		1.0	0.69
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND	*+	1.0	0.37
79-01-6	Trichloroethene	1.6		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	82		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	76		75-123
2037-26-5	Toluene-d8 (Surr)	105		80-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5774.d
Lims ID: 480-218035-A-6
Client ID: GT-16
Sample Type: Client
Inject. Date: 22-Mar-2024 17:08:30 ALS Bottle#: 17 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-218035-A-6
Misc. Info.: 480-0116891-024
Operator ID: CC Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Mar-2024 09:01:31 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: TJ9E Date: 25-Mar-2024 09:01:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.052	5.052	0.000	97	210995	25.0	
* 2 Chlorobenzene-d5	117	8.009	8.009	0.000	92	599443	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.443	10.443	0.001	96	346302	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.481	4.469	0.006	91	266417	19.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.779	4.779	0.000	99	358089	20.4	
$ 6 Toluene-d8 (Surr)	98	6.543	6.543	0.000	96	826767	26.2	
$ 7 4-Bromofluorobenzene (Surr)	174	9.268	9.268	0.000	83	251706	24.1	
11 Dichlorodifluoromethane	85		1.141				ND	
13 Chloromethane	50		1.287				ND	
14 Vinyl chloride	62		1.372				ND	
15 Bromomethane	94		1.640				ND	
16 Chloroethane	64		1.707				ND	
18 Trichlorofluoromethane	101		1.913				ND	
22 1,1-Dichloroethene	96		2.364				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.364				ND	
23 Acetone	43	2.485	2.467	0.012	71	7829	0.8806	
25 Carbon disulfide	76		2.540				ND	U
28 Methyl acetate	43		2.759				ND	
30 Methylene Chloride	84		2.850				ND	U
32 Methyl tert-butyl ether	73		3.057				ND	
33 trans-1,2-Dichloroethene	96		3.069				ND	
36 1,1-Dichloroethane	63		3.471				ND	
43 cis-1,2-Dichloroethene	96		4.018				ND	
44 2-Butanone (MEK)	43		4.049				ND	
50 Chloroform	83	4.335	4.335	0.006	95	29946	1.43	
51 1,1,1-Trichloroethane	97		4.426				ND	
52 Cyclohexane	56		4.432				ND	
53 Carbon tetrachloride	117		4.566				ND	U
55 Benzene	78		4.779				ND	
57 1,2-Dichloroethane	62		4.846				ND	
60 Trichloroethene	95	5.381	5.381	0.000	90	15621	1.61	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.497				ND	
63 1,2-Dichloropropane	63		5.618				ND	
67 Dichlorobromomethane	83		5.910				ND	U
71 cis-1,3-Dichloropropene	75		6.324				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.476				ND	
73 Toluene	92		6.604				ND	
75 trans-1,3-Dichloropropene	75		6.890				ND	
78 1,1,2-Trichloroethane	83		7.078				ND	
79 Tetrachloroethene	166		7.133				ND	
82 2-Hexanone	43		7.309				ND	
83 Chlorodibromomethane	129		7.468				ND	
84 Ethylene Dibromide	107		7.565				ND	
85 Chlorobenzene	112		8.040				ND	
88 Ethylbenzene	91		8.137				ND	
90 m-Xylene & p-Xylene	106		8.259				ND	
91 o-Xylene	106		8.684				ND	
92 Styrene	104		8.715				ND	
93 Bromoform	173		8.958				ND	
95 Isopropylbenzene	105		9.068				ND	
98 1,1,2,2-Tetrachloroethane	83		9.493				ND	
100 N-Propylbenzene	91		9.512				ND	
104 1,3,5-Trimethylbenzene	105		9.700				ND	
108 1,2,4-Trimethylbenzene	105		10.084				ND	
110 1,3-Dichlorobenzene	146		10.370				ND	
113 1,4-Dichlorobenzene	146		10.467				ND	
116 1,2-Dichlorobenzene	146		10.820				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.562				ND	
119 1,2,4-Trichlorobenzene	180		12.243				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

N 8260 IS_00265	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00467	Amount Added:	1.00	Units: uL	Run Reagent

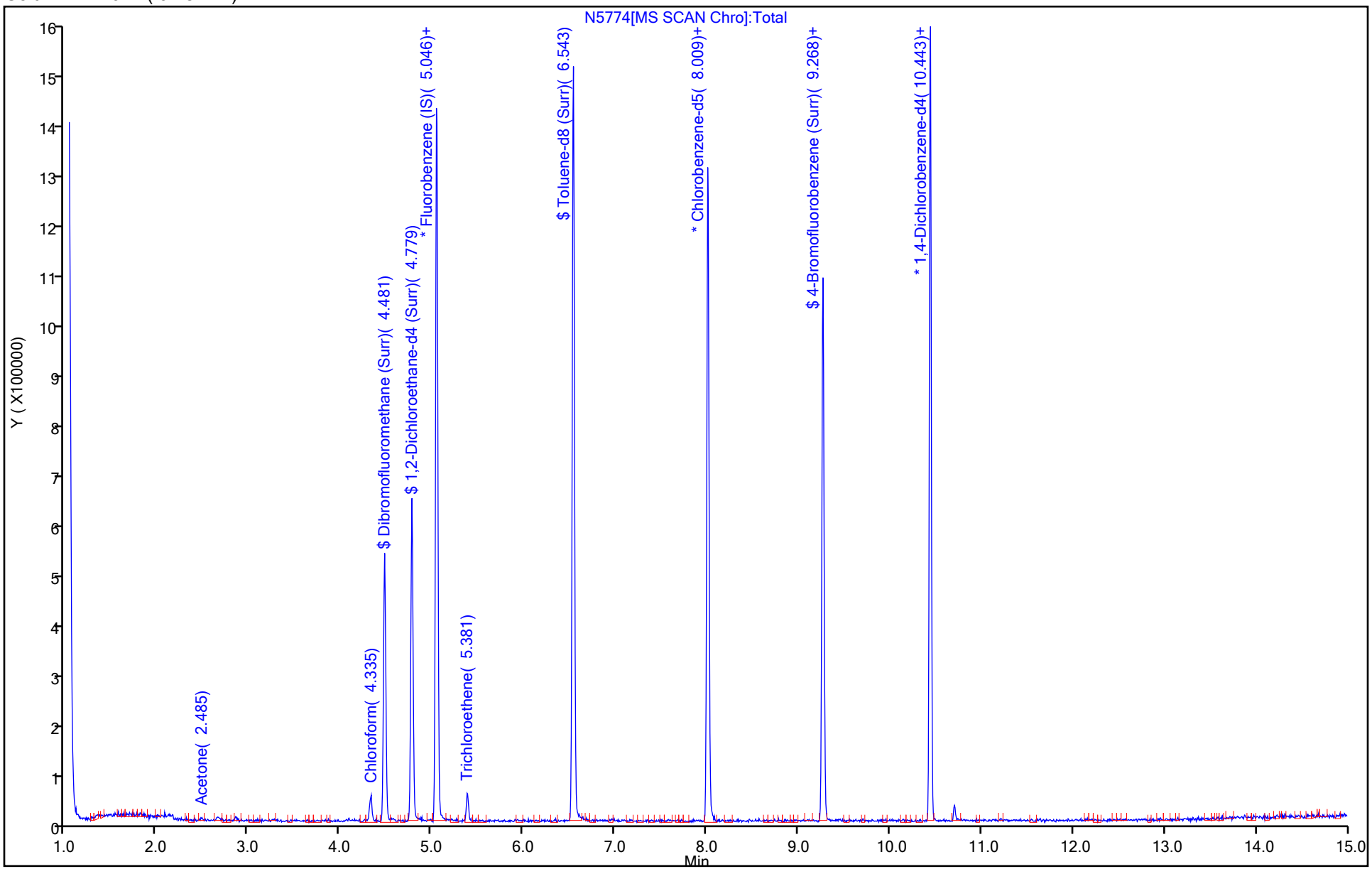
Report Date: 25-Mar-2024 09:01:31 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5774.d

Injection Date:	22-Mar-2024 17:08:30	Instrument ID:	HP5973N	Operator ID:	CC
Lims ID:	480-218035-A-6	Lab Sample ID:	480-218035-6	Worklist Smp#:	24
Client ID:	GT-16				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



03/28/2024

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5774.d
Lims ID: 480-218035-A-6
Client ID: GT-16
Sample Type: Client
Inject. Date: 22-Mar-2024 17:08:30 ALS Bottle#: 17 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-218035-A-6
Misc. Info.: 480-0116891-024
Operator ID: CC Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Mar-2024 09:01:31 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: TJ9E Date: 25-Mar-2024 09:01:31

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	19.1	76.39
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	20.4	81.69
$ 6 Toluene-d8 (Surr)	25.0	26.2	105.00
$ 7 4-Bromofluorobenzene (Surr)	25.0	24.1	96.29

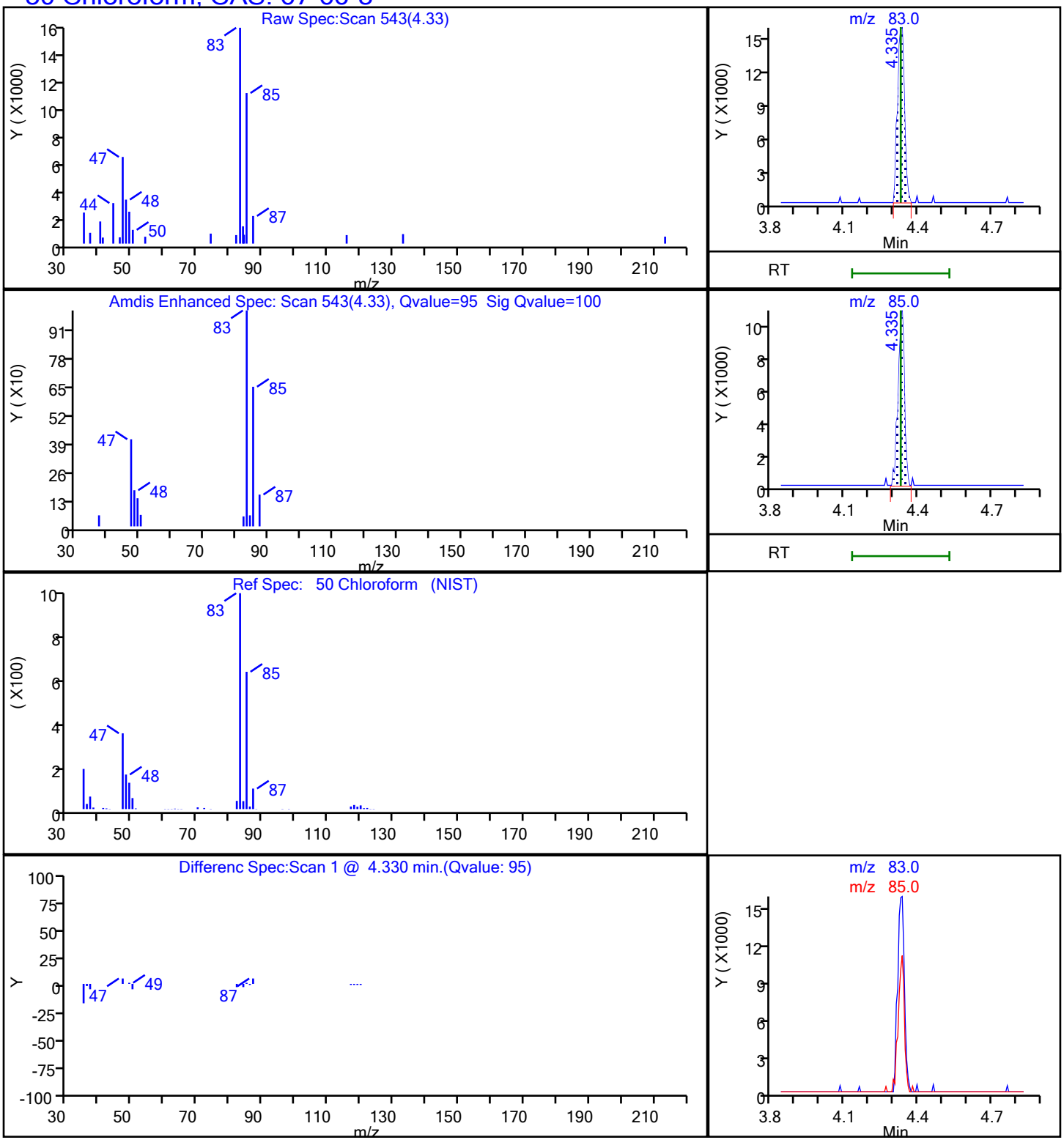
Report Date: 25-Mar-2024 09:01:31 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5774.d

Injection Date:	22-Mar-2024 17:08:30	Instrument ID:	HP5973N
Lims ID:	480-218035-A-6	Lab Sample ID:	480-218035-6
Client ID:	GT-16		
Operator ID:	CC	ALS Bottle#:	17 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

50 Chloroform, CAS: 67-66-3



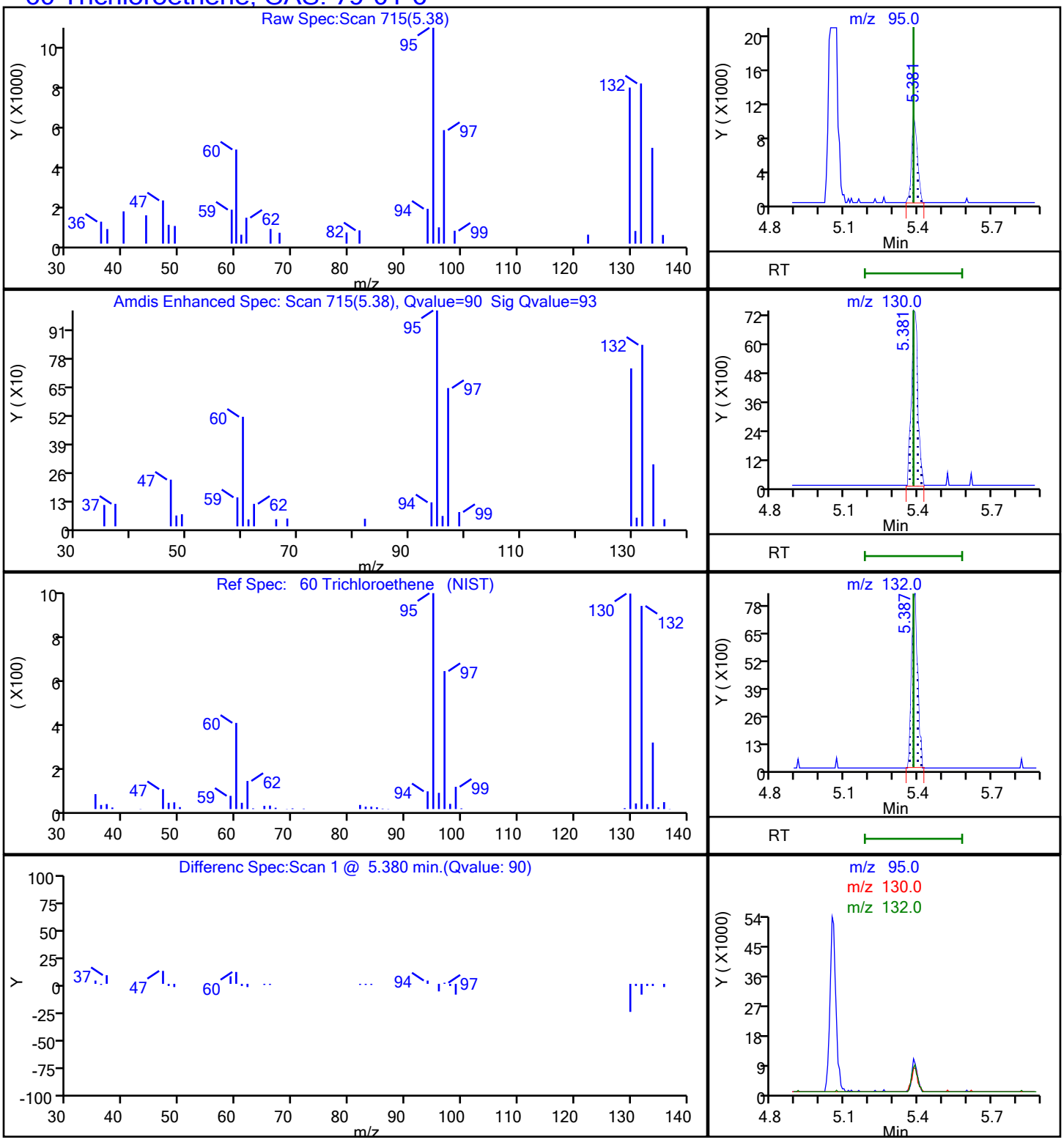
Report Date: 25-Mar-2024 09:01:31 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5774.d

Injection Date:	22-Mar-2024 17:08:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-6	Lab Sample ID:	480-218035-6		
Client ID:	GT-16				
Operator ID:	CC	ALS Bottle#:	17	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

60 Trichloroethene, CAS: 79-01-6



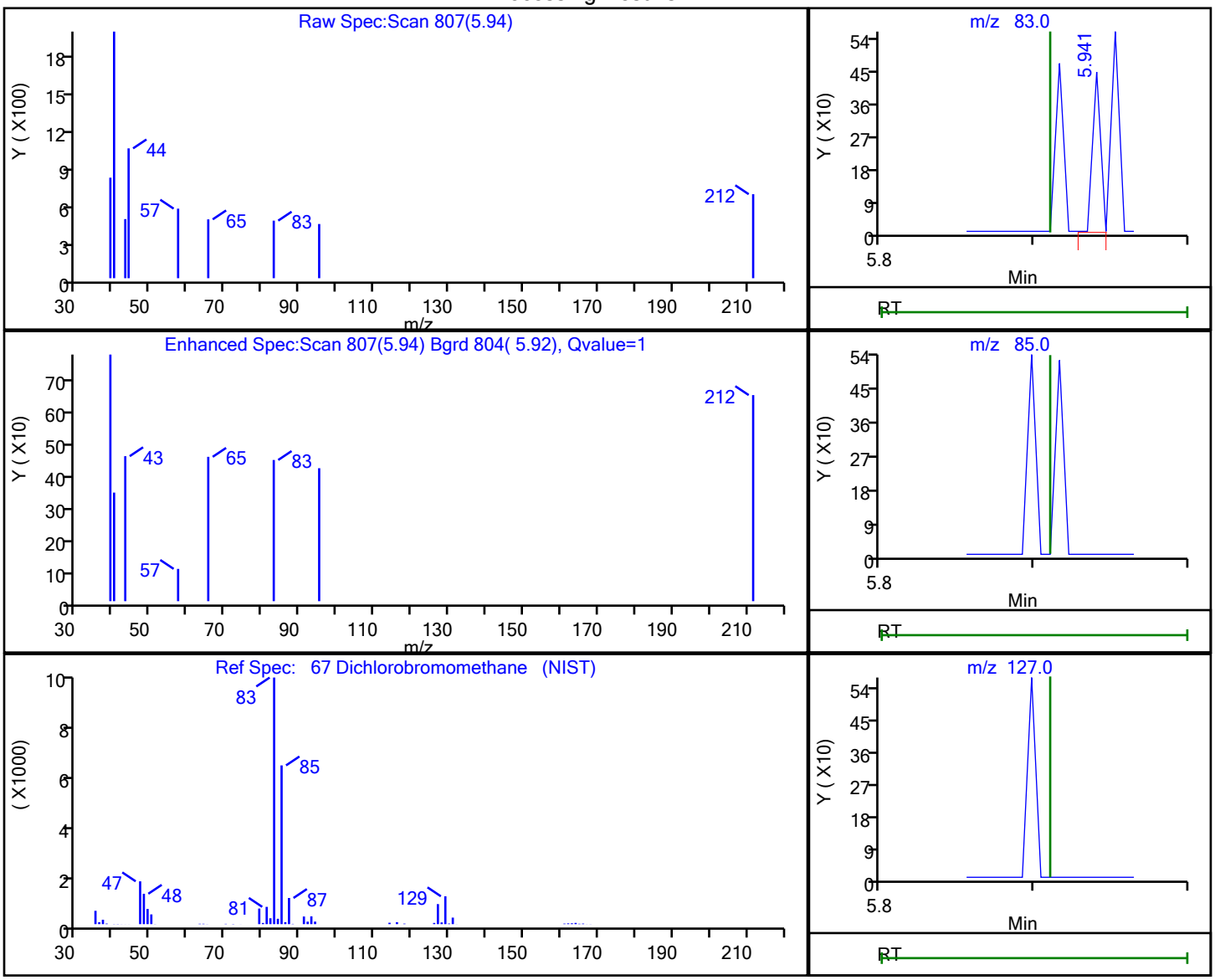
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5774.d				
Injection Date:	22-Mar-2024 17:08:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-6	Lab Sample ID:	480-218035-6		
Client ID:	GT-16				
Operator ID:	CC	ALS Bottle#:	17	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

67 Dichlorobromomethane, CAS: 75-27-4

Processing Results



RT	Mass	Response	Amount
5.94	83.00	163	0.013433
5.91	85.00	0	
5.91	127.00	0	

Reviewer: TJ9E, 25-Mar-2024 09:01:08 -04:00:00 (UTC)

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

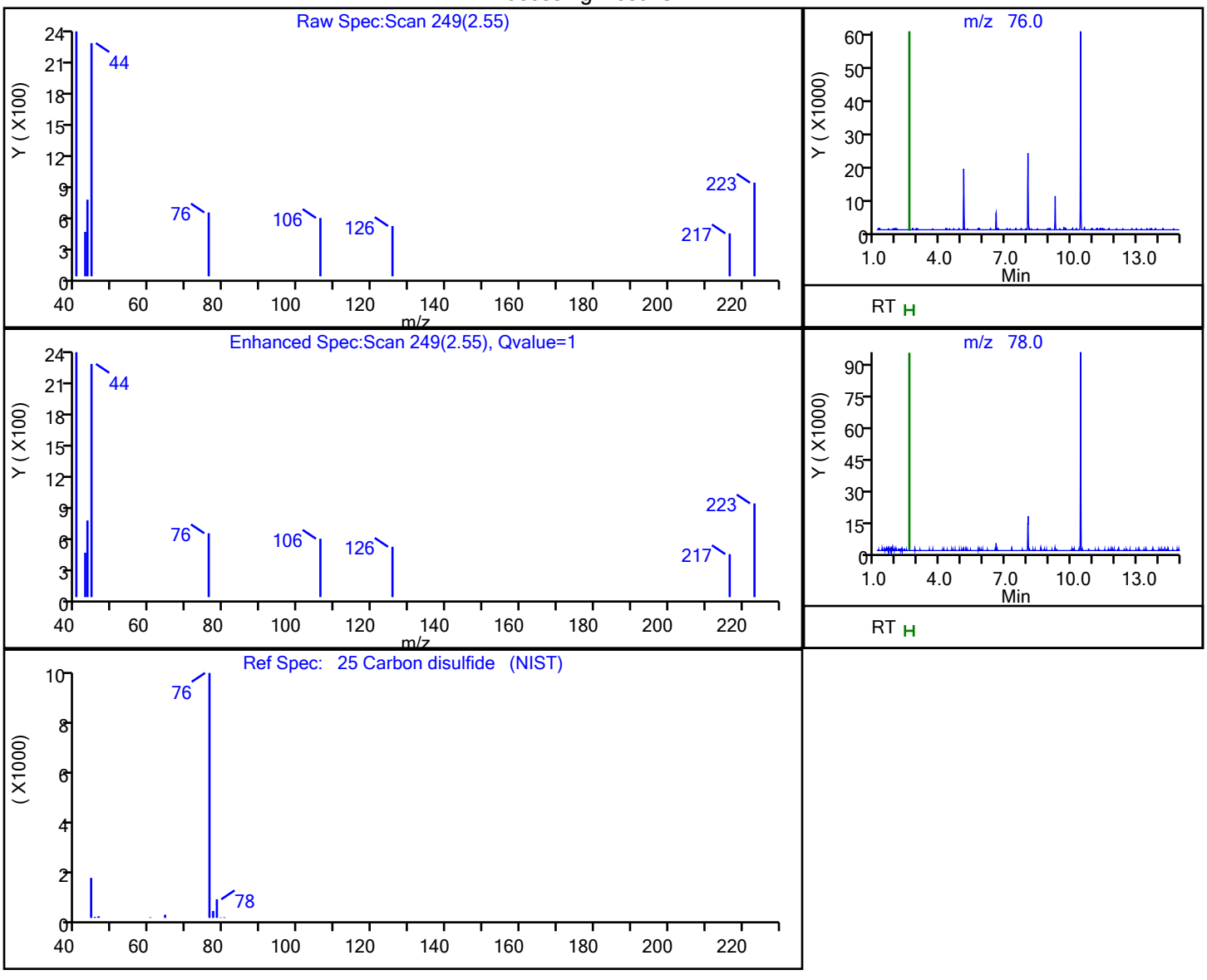
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5774.d				
Injection Date:	22-Mar-2024 17:08:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-6	Lab Sample ID:	480-218035-6		
Client ID:	GT-16				
Operator ID:	CC	ALS Bottle#:	17	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

25 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
2.55	76.00	0	
2.55	78.00	0	

Reviewer: TJ9E, 25-Mar-2024 09:00:26 -04:00:00 (UTC)

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

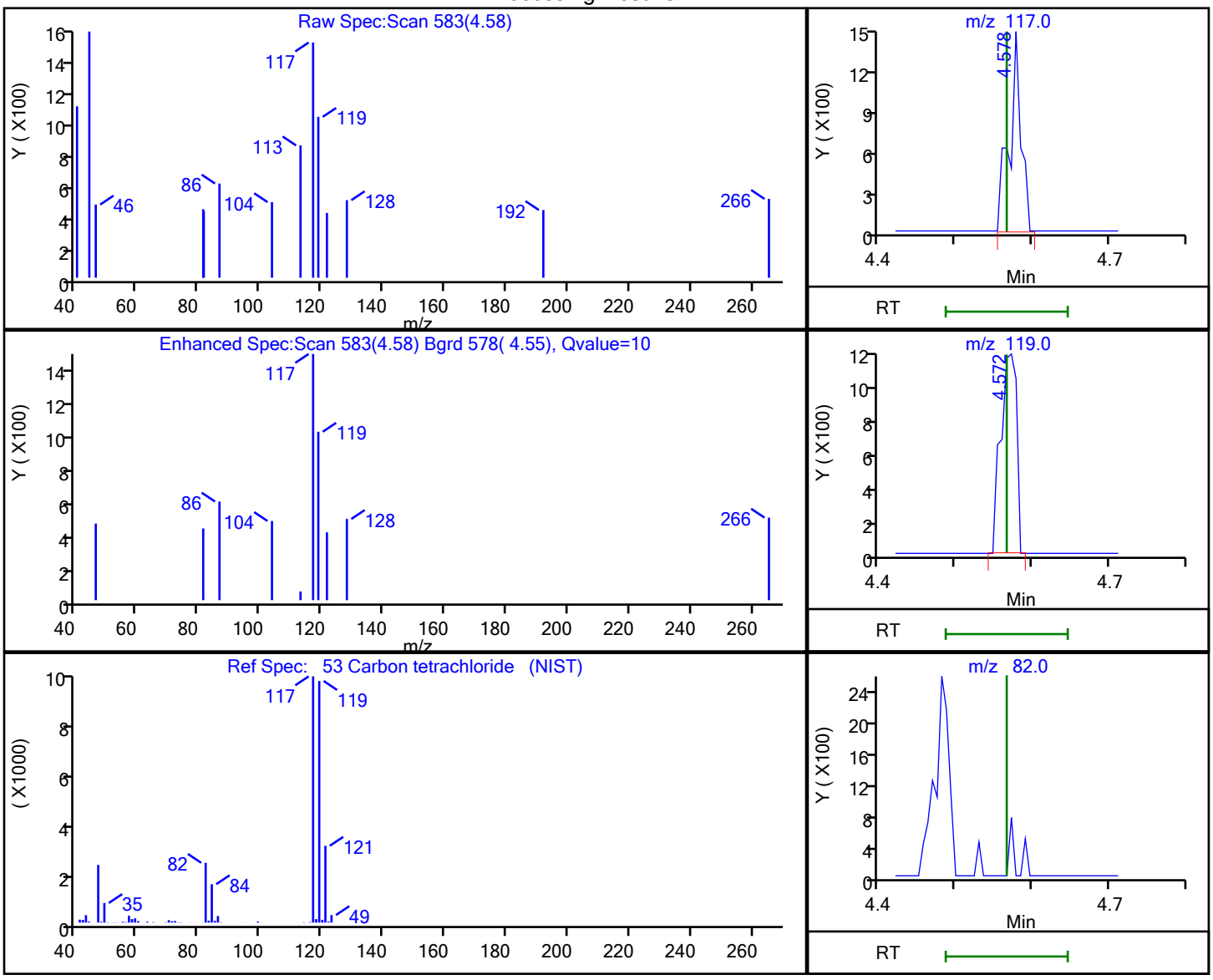
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5774.d				
Injection Date:	22-Mar-2024 17:08:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-6	Lab Sample ID:	480-218035-6		
Client ID:	GT-16				
Operator ID:	CC	ALS Bottle#:	17	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

53 Carbon tetrachloride, CAS: 56-23-5

Processing Results



RT	Mass	Response	Amount
4.58	117.00	1548	0.123398
4.57	119.00	1648	
4.57	82.00	0	

Reviewer: TJ9E, 25-Mar-2024 09:00:59 -04:00:00 (UTC)

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

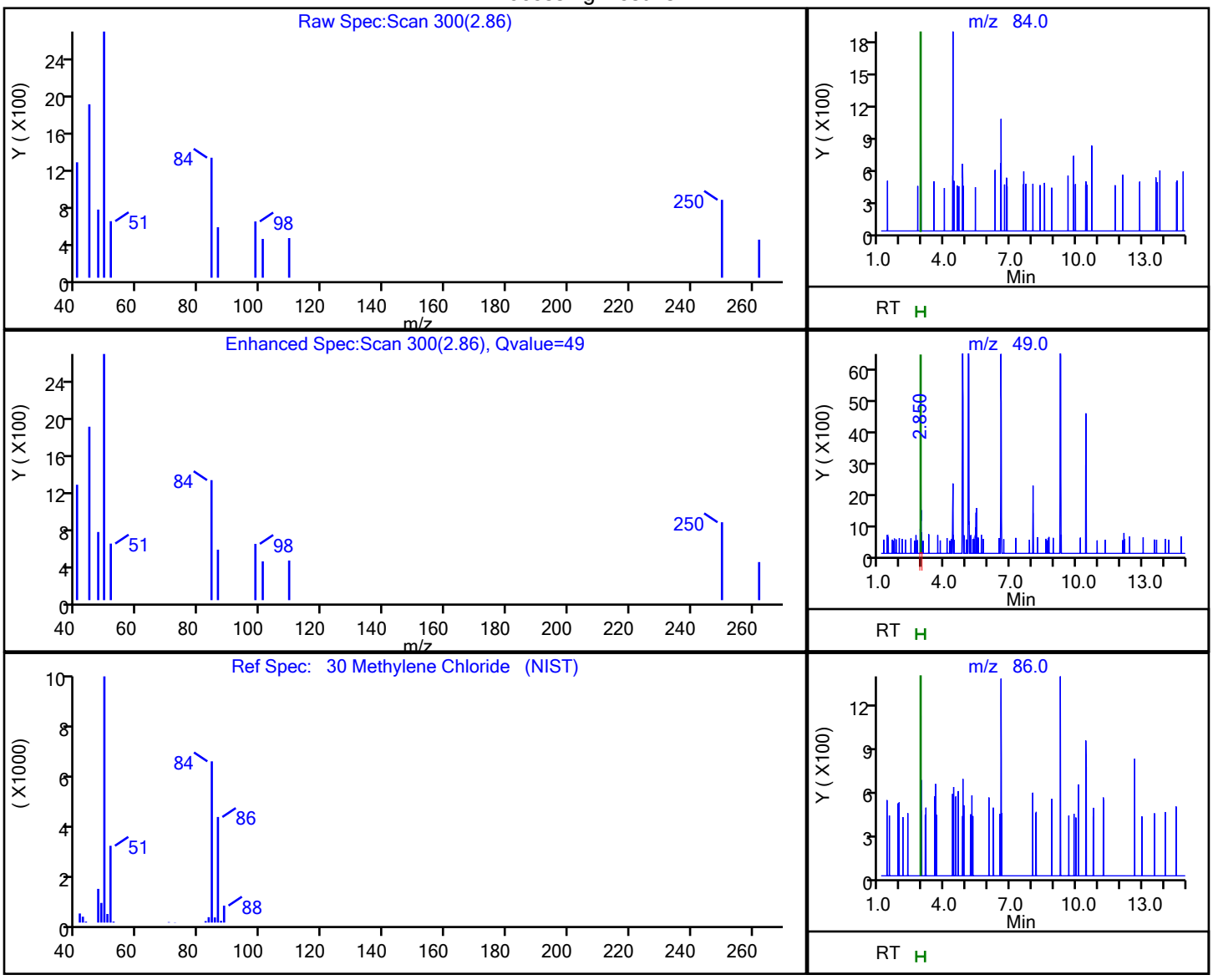
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5774.d				
Injection Date:	22-Mar-2024 17:08:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-6	Lab Sample ID:	480-218035-6		
Client ID:	GT-16				
Operator ID:	CC	ALS Bottle#:	17	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
2.85	84.00	0	
2.85	49.00	5206	
2.85	86.00	0	

Reviewer: TJ9E, 25-Mar-2024 09:00:34 -04:00:00 (UTC)

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: IW-6 | Lab Sample ID: 480-218035-7

Matrix: Water | Lab File ID: N5775.d

Analysis Method: 8260C | Date Collected: 03/19/2024 10:10

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 17:31

Soil Aliquot Vol: | Dilution Factor: 200

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704702 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		200	160
79-34-5	1,1,2,2-Tetrachloroethane	ND		200	42
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	62
79-00-5	1,1,2-Trichloroethane	ND		200	46
75-34-3	1,1-Dichloroethane	ND		200	76
75-35-4	1,1-Dichloroethene	ND		200	58
120-82-1	1,2,4-Trichlorobenzene	ND		200	82
95-63-6	1,2,4-Trimethylbenzene	11000		200	150
96-12-8	1,2-Dibromo-3-Chloropropane	ND		200	78
106-93-4	1,2-Dibromoethane	ND		200	150
95-50-1	1,2-Dichlorobenzene	ND		200	160
107-06-2	1,2-Dichloroethane	ND		200	42
78-87-5	1,2-Dichloropropane	ND		200	140
108-67-8	1,3,5-Trimethylbenzene	4000		200	150
541-73-1	1,3-Dichlorobenzene	ND		200	160
106-46-7	1,4-Dichlorobenzene	ND		200	170
78-93-3	2-Butanone (MEK)	ND		2000	260
591-78-6	2-Hexanone	ND		1000	250
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		1000	420
67-64-1	Acetone	ND		2000	600
71-43-2	Benzene	ND		200	82
75-27-4	Bromodichloromethane	ND		200	78
75-25-2	Bromoform	ND		200	52
74-83-9	Bromomethane	ND		200	140
75-15-0	Carbon disulfide	ND		200	38
56-23-5	Carbon tetrachloride	ND		200	54
108-90-7	Chlorobenzene	ND		200	150
75-00-3	Chloroethane	ND		200	64
67-66-3	Chloroform	ND		200	68
74-87-3	Chloromethane	ND		200	70
156-59-2	cis-1,2-Dichloroethene	ND		200	160
10061-01-5	cis-1,3-Dichloropropene	ND		200	72
110-82-7	Cyclohexane	ND		200	36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: IW-6 | Lab Sample ID: 480-218035-7

Matrix: Water | Lab File ID: N5775.d

Analysis Method: 8260C | Date Collected: 03/19/2024 10:10

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 17:31

Soil Aliquot Vol: | Dilution Factor: 200

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704702 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	ND		200	64
75-71-8	Dichlorodifluoromethane	ND		200	140
100-41-4	Ethylbenzene	150	J	200	150
98-82-8	Isopropylbenzene	830		200	160
79-20-9	Methyl acetate	ND		500	260
1634-04-4	Methyl tert-butyl ether	ND		200	32
108-87-2	Methylcyclohexane	ND		200	32
75-09-2	Methylene Chloride	ND		200	88
103-65-1	N-Propylbenzene	1000		200	140
100-42-5	Styrene	260		200	150
127-18-4	Tetrachloroethene	ND		200	72
108-88-3	Toluene	ND		200	100
156-60-5	trans-1,2-Dichloroethene	ND		200	180
10061-02-6	trans-1,3-Dichloropropene	ND	*+	200	74
79-01-6	Trichloroethene	ND		200	92
75-69-4	Trichlorofluoromethane	ND		200	180
75-01-4	Vinyl chloride	ND		200	180
1330-20-7	Xylenes, Total	9700		400	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	82		75-123
2037-26-5	Toluene-d8 (Surr)	107		80-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5775.d
Lims ID: 480-218035-A-7
Client ID: IW-6
Sample Type: Client
Inject. Date: 22-Mar-2024 17:31:30 ALS Bottle#: 18 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 200.0000
Sample Info: 480-218035-A-7
Misc. Info.: 480-0116891-025
Operator ID: CC Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Mar-2024 09:20:23 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: TJ9E Date: 25-Mar-2024 09:04:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.046	5.052	-0.006	97	197176	25.0	
* 2 Chlorobenzene-d5	117	8.009	8.009	0.000	92	581052	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.443	10.443	0.000	97	346801	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.481	4.469	0.006	91	267884	20.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.779	4.779	0.000	98	351104	21.4	
$ 6 Toluene-d8 (Surr)	98	6.543	6.543	0.000	97	813297	26.6	
$ 7 4-Bromofluorobenzene (Surr)	174	9.268	9.268	0.000	85	252047	24.9	
11 Dichlorodifluoromethane	85		1.141				ND	
13 Chloromethane	50		1.287				ND	
14 Vinyl chloride	62		1.372				ND	
15 Bromomethane	94		1.640				ND	
16 Chloroethane	64		1.707				ND	
18 Trichlorofluoromethane	101		1.913				ND	
22 1,1-Dichloroethene	96		2.364				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.364				ND	
23 Acetone	43		2.473				ND	
25 Carbon disulfide	76		2.540				ND	
28 Methyl acetate	43		2.759				ND	
30 Methylene Chloride	84	2.856	2.859	0.006	86	4872	0.4116	a
32 Methyl tert-butyl ether	73		3.057				ND	
33 trans-1,2-Dichloroethene	96		3.069				ND	
36 1,1-Dichloroethane	63		3.471				ND	
43 cis-1,2-Dichloroethene	96		4.018				ND	
44 2-Butanone (MEK)	43		4.049				ND	
50 Chloroform	83		4.329				ND	U
51 1,1,1-Trichloroethane	97		4.426				ND	
52 Cyclohexane	56		4.432				ND	
53 Carbon tetrachloride	117		4.566				ND	
55 Benzene	78		4.779				ND	
57 1,2-Dichloroethane	62		4.846				ND	
60 Trichloroethene	95		5.381				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.497				ND	
63 1,2-Dichloropropane	63		5.618				ND	
67 Dichlorobromomethane	83		5.910				ND	
71 cis-1,3-Dichloropropene	75		6.324				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.476				ND	U
73 Toluene	92	6.616	6.616	0.012	1	2944	0.1793	a
75 trans-1,3-Dichloropropene	75		6.890				ND	
78 1,1,2-Trichloroethane	83		7.078				ND	
79 Tetrachloroethene	166		7.133				ND	
82 2-Hexanone	43		7.309				ND	
83 Chlorodibromomethane	129		7.468				ND	
84 Ethylene Dibromide	107		7.565				ND	
85 Chlorobenzene	112		8.040				ND	
88 Ethylbenzene	91	8.143	8.137	0.006	97	25016	0.7572	
90 m-Xylene & p-Xylene	106	8.259	8.258	-0.001	97	95344	7.57	
91 o-Xylene	106	8.684	8.684	0.000	99	554683	40.8	
92 Styrene	104	8.684	8.715	-0.031	52	26147	1.29	
93 Bromoform	173		8.958				ND	
95 Isopropylbenzene	105	9.068	9.068	0.000	98	147243	4.13	
98 1,1,2,2-Tetrachloroethane	83		9.493				ND	
100 N-Propylbenzene	91	9.512	9.512	0.000	99	213869	5.16	
104 1,3,5-Trimethylbenzene	105	9.700	9.700	0.000	95	628564	20.0	
108 1,2,4-Trimethylbenzene	105	10.084	10.084	0.000	98	1790659	55.7	
110 1,3-Dichlorobenzene	146		10.370				ND	
113 1,4-Dichlorobenzene	146		10.467				ND	7
116 1,2-Dichlorobenzene	146		10.820				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.562				ND	U
119 1,2,4-Trichlorobenzene	180		12.243				ND	
S 126 Xylenes, Total	1				0		48.4	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

N 8260 IS_00265	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00467	Amount Added:	1.00	Units: uL	Run Reagent

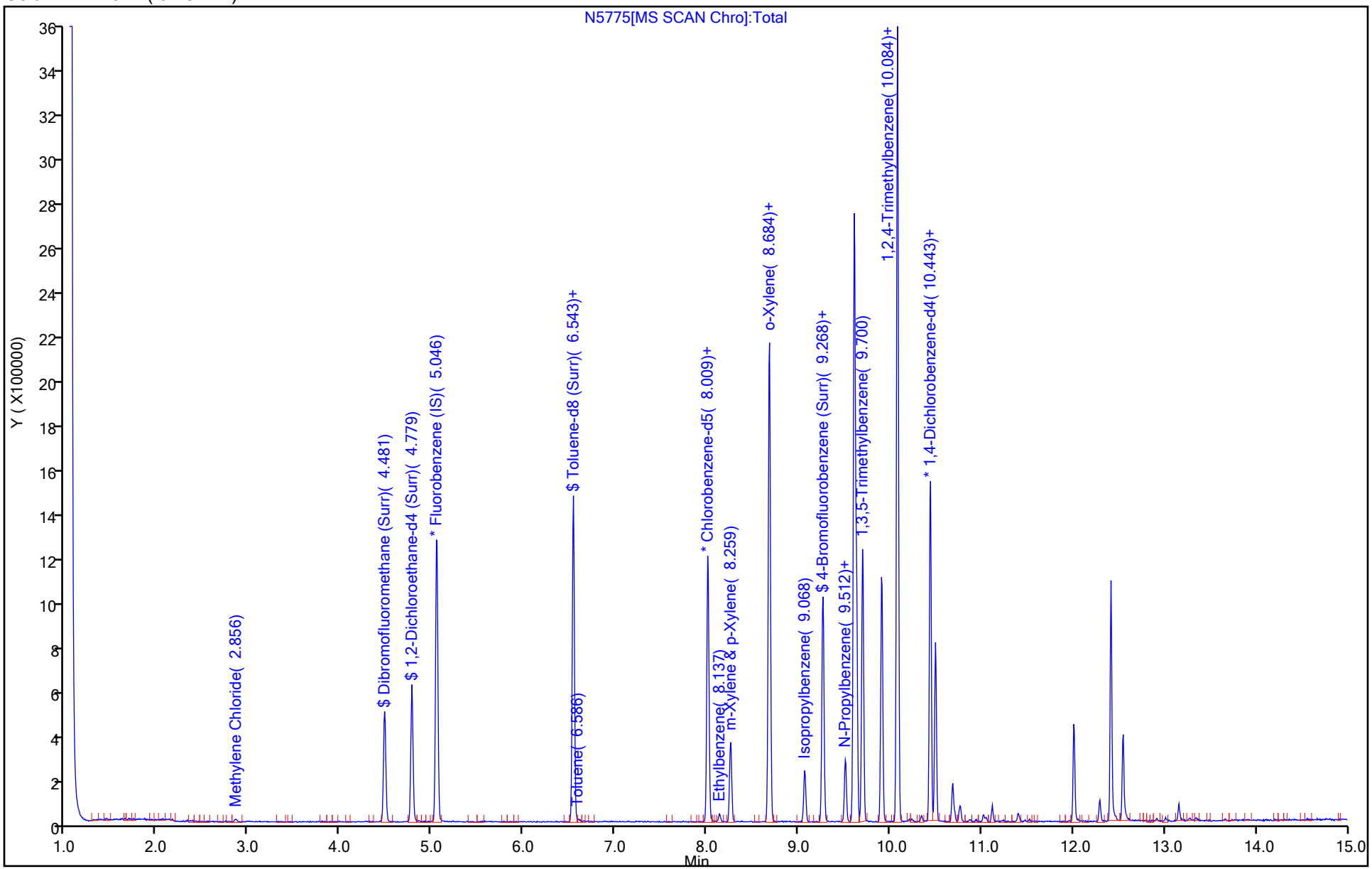
Report Date: 25-Mar-2024 09:58:29 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5775.d

Injection Date:	22-Mar-2024 17:31:30	Instrument ID:	HP5973N	Operator ID:	CC
Lims ID:	480-218035-A-7	Lab Sample ID:	480-218035-7	Worklist Smp#:	25
Client ID:	IW-6				
Purge Vol:	5.000 mL	Dil. Factor:	200.0000	ALS Bottle#:	18
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



03/28/2024

Eurofins Buffalo
Recovery Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5775.d				
Lims ID:	480-218035-A-7				
Client ID:	IW-6				
Sample Type:	Client				
Inject. Date:	22-Mar-2024 17:31:30	ALS Bottle#:	18	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	200.0000		
Sample Info:	480-218035-A-7				
Misc. Info.:	480-0116891-025				
Operator ID:	CC	Instrument ID:	HP5973N		
Method:	\\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	25-Mar-2024 09:20:23	Calib Date:	12-Mar-2024 22:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1616				

First Level Reviewer: TJ9E Date: 25-Mar-2024 09:04:01

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	20.5	82.20
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	21.4	85.71
$ 6 Toluene-d8 (Surr)	25.0	26.6	106.56
$ 7 4-Bromofluorobenzene (Surr)	25.0	24.9	99.47

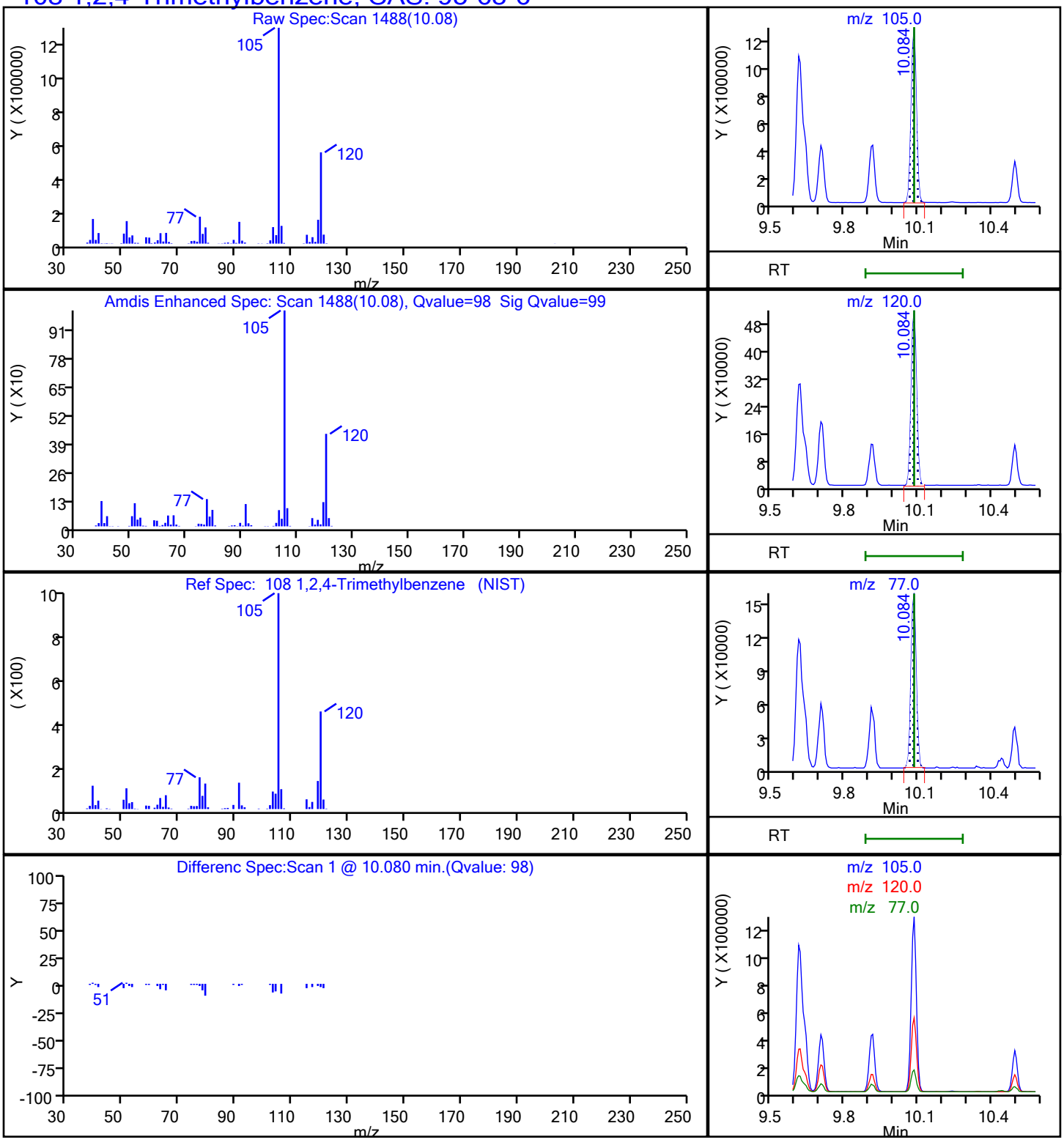
Report Date: 25-Mar-2024 09:58:29 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5775.d

Injection Date:	22-Mar-2024 17:31:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-7	Lab Sample ID:	480-218035-7		
Client ID:	IW-6				
Operator ID:	CC	ALS Bottle#:	18	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	200.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

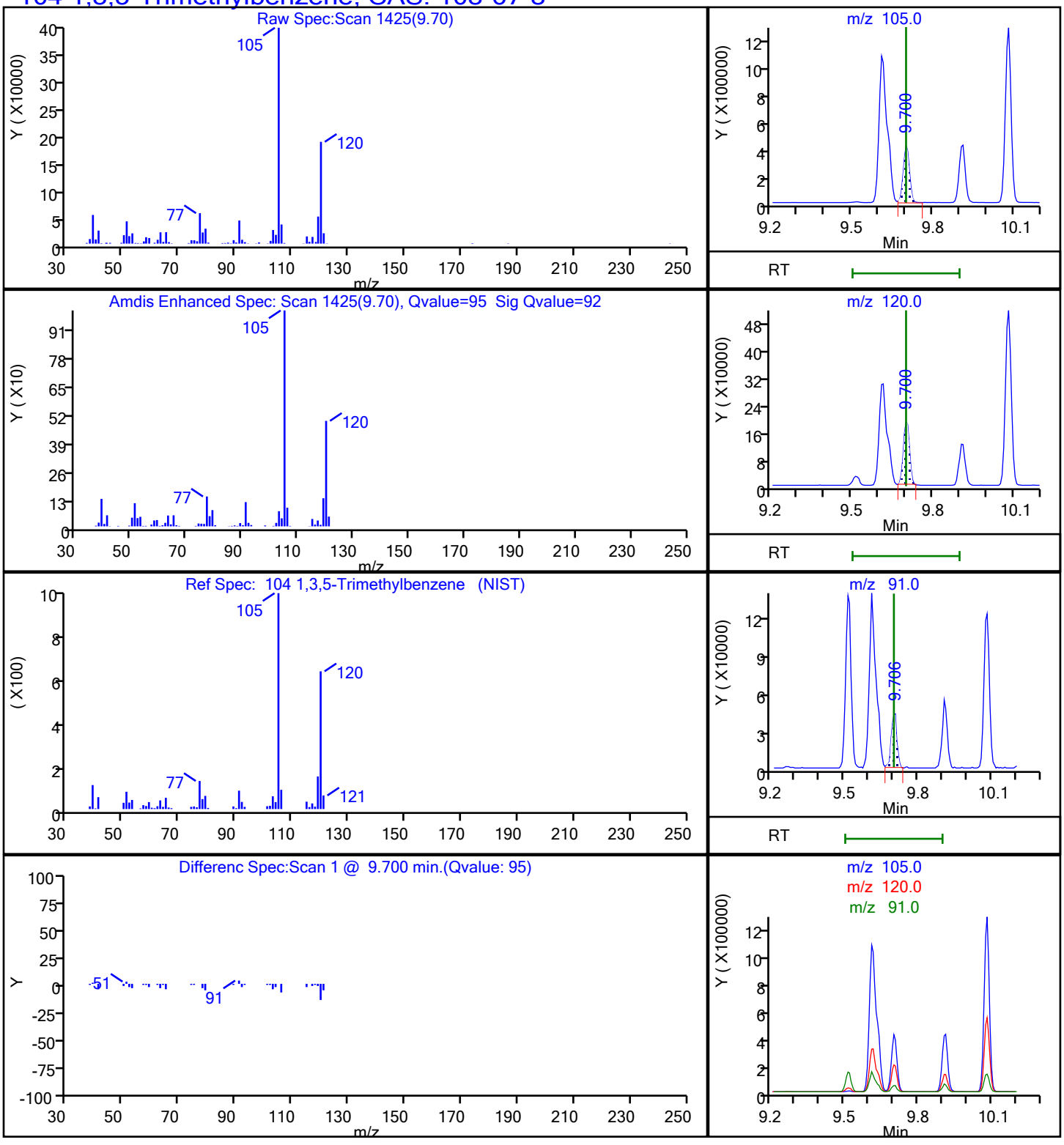
108 1,2,4-Trimethylbenzene, CAS: 95-63-6



Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5775.d
Injection Date: 22-Mar-2024 17:31:30 Instrument ID: HP5973N
Lims ID: 480-218035-A-7 Lab Sample ID: 480-218035-7
Client ID: IW-6
Operator ID: CC ALS Bottle#: 18 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 200.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

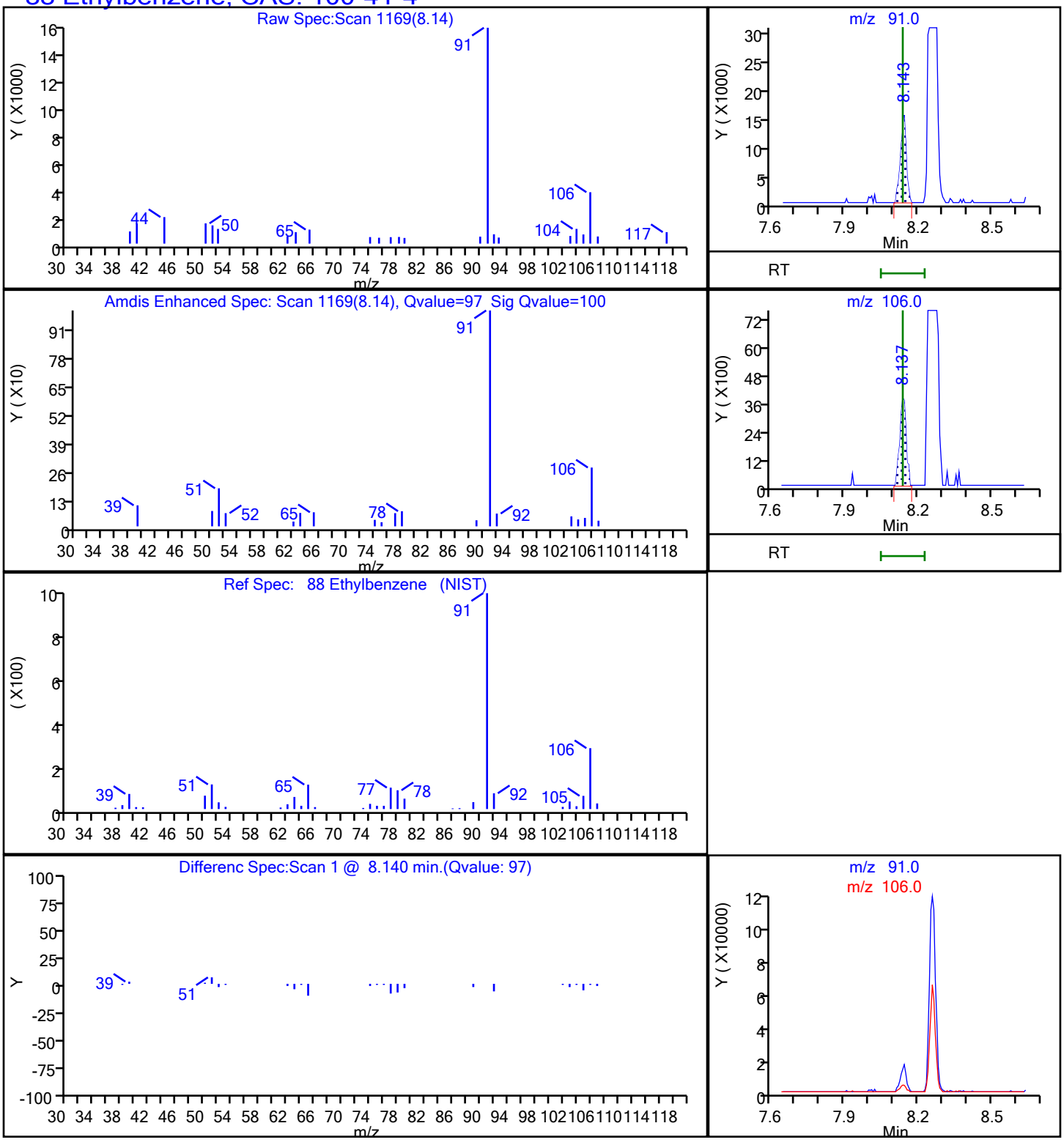
104 1,3,5-Trimethylbenzene, CAS: 108-67-8



Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5775.d
Injection Date: 22-Mar-2024 17:31:30 Instrument ID: HP5973N
Lims ID: 480-218035-A-7 Lab Sample ID: 480-218035-7
Client ID: IW-6
Operator ID: CC ALS Bottle#: 18 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 200.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

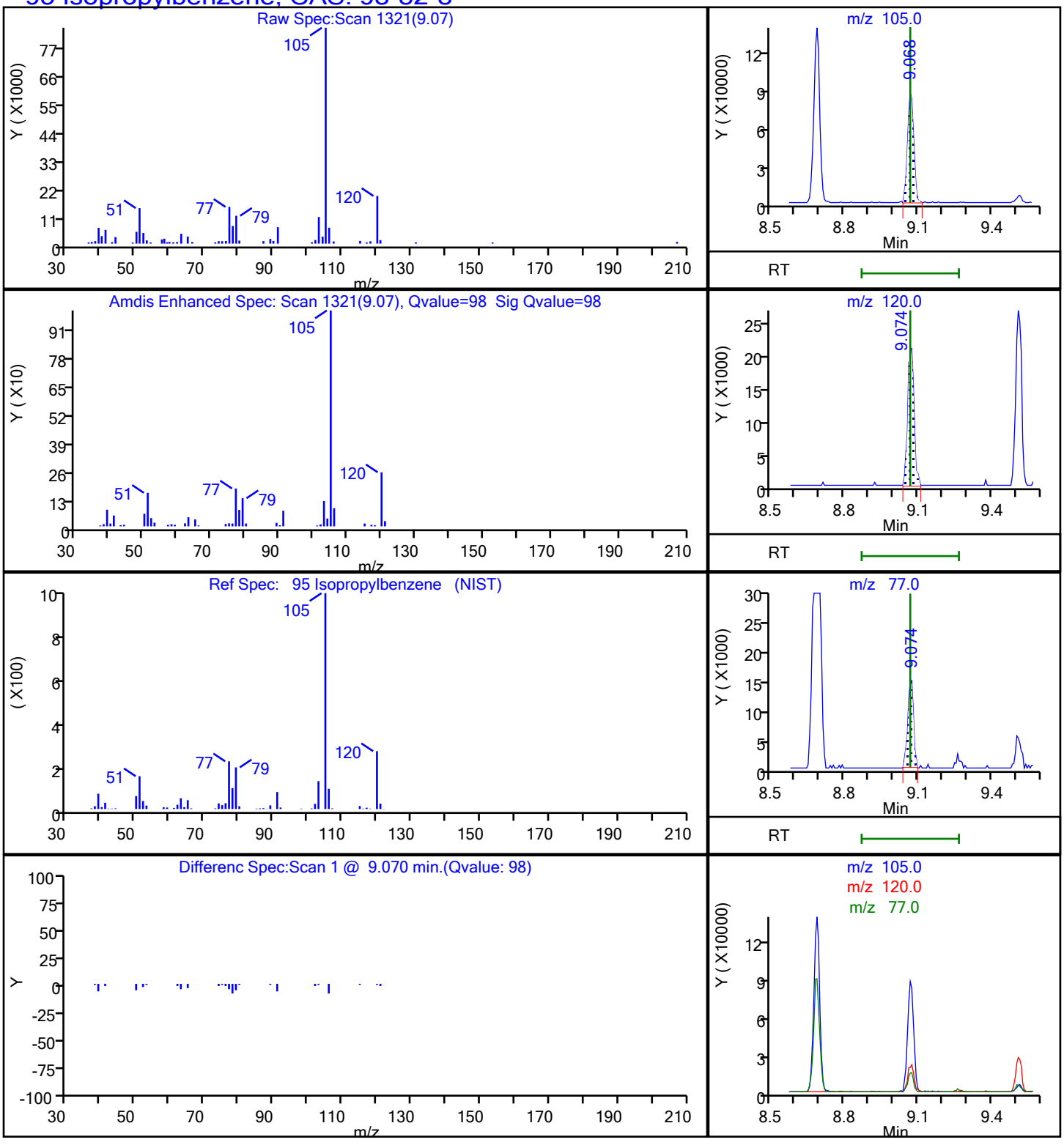
88 Ethylbenzene, CAS: 100-41-4



Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5775.d
Injection Date: 22-Mar-2024 17:31:30 Instrument ID: HP5973N
Lims ID: 480-218035-A-7 Lab Sample ID: 480-218035-7
Client ID: IW-6
Operator ID: CC ALS Bottle#: 18 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 200.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

95 Isopropylbenzene, CAS: 98-82-8



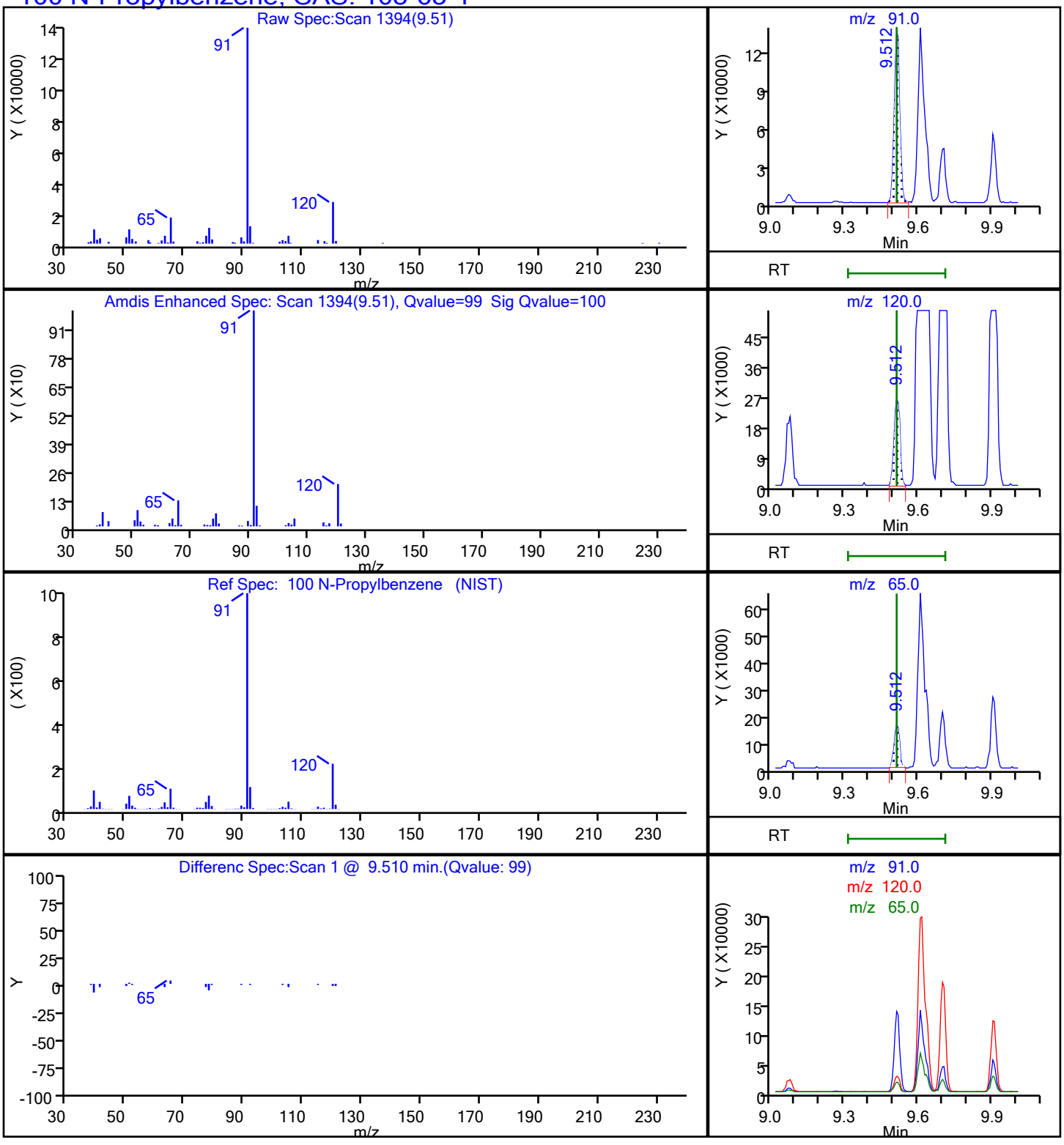
Report Date: 25-Mar-2024 09:58:29 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5775.d

Injection Date:	22-Mar-2024 17:31:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-7	Lab Sample ID:	480-218035-7		
Client ID:	IW-6				
Operator ID:	CC	ALS Bottle#:	18	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	200.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

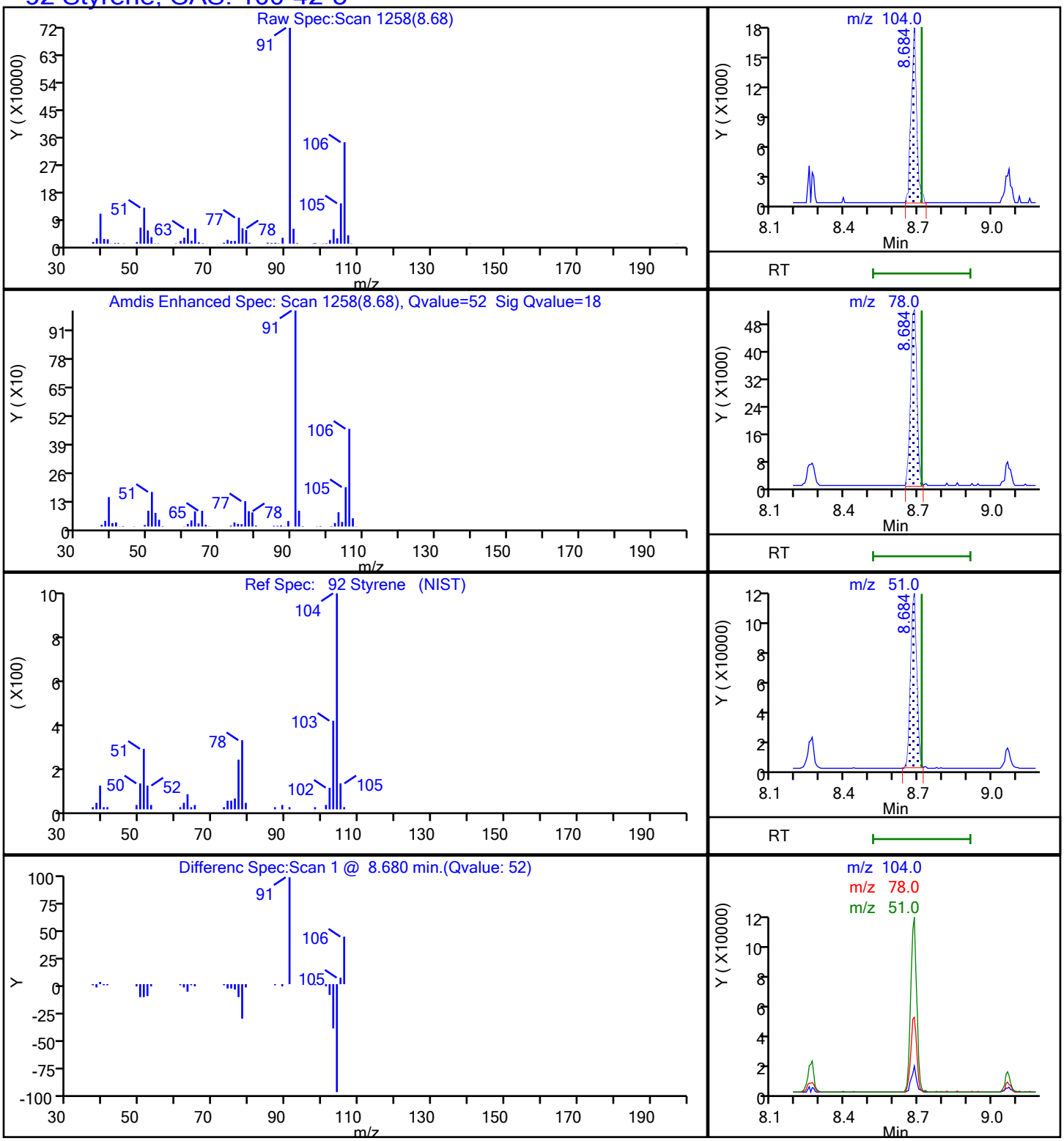
100 N-Propylbenzene, CAS: 103-65-1



Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5775.d
Injection Date: 22-Mar-2024 17:31:30 Instrument ID: HP5973N
Lims ID: 480-218035-A-7 Lab Sample ID: 480-218035-7
Client ID: IW-6
Operator ID: CC ALS Bottle#: 18 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 200.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

92 Styrene, CAS: 100-42-5



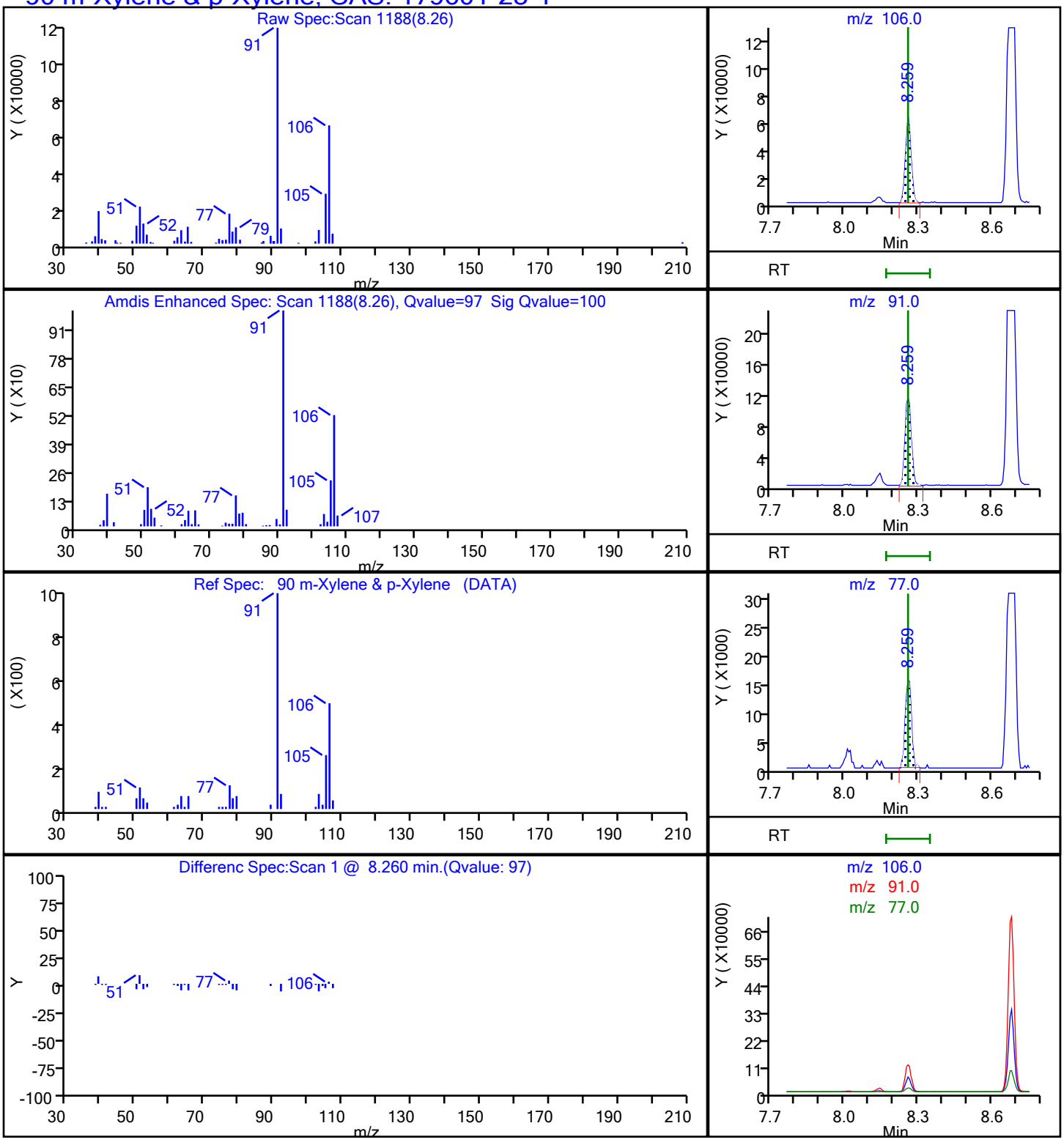
Report Date: 25-Mar-2024 09:58:29 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5775.d

Injection Date:	22-Mar-2024 17:31:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-7	Lab Sample ID:	480-218035-7		
Client ID:	IW-6				
Operator ID:	CC	ALS Bottle#:	18	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	200.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

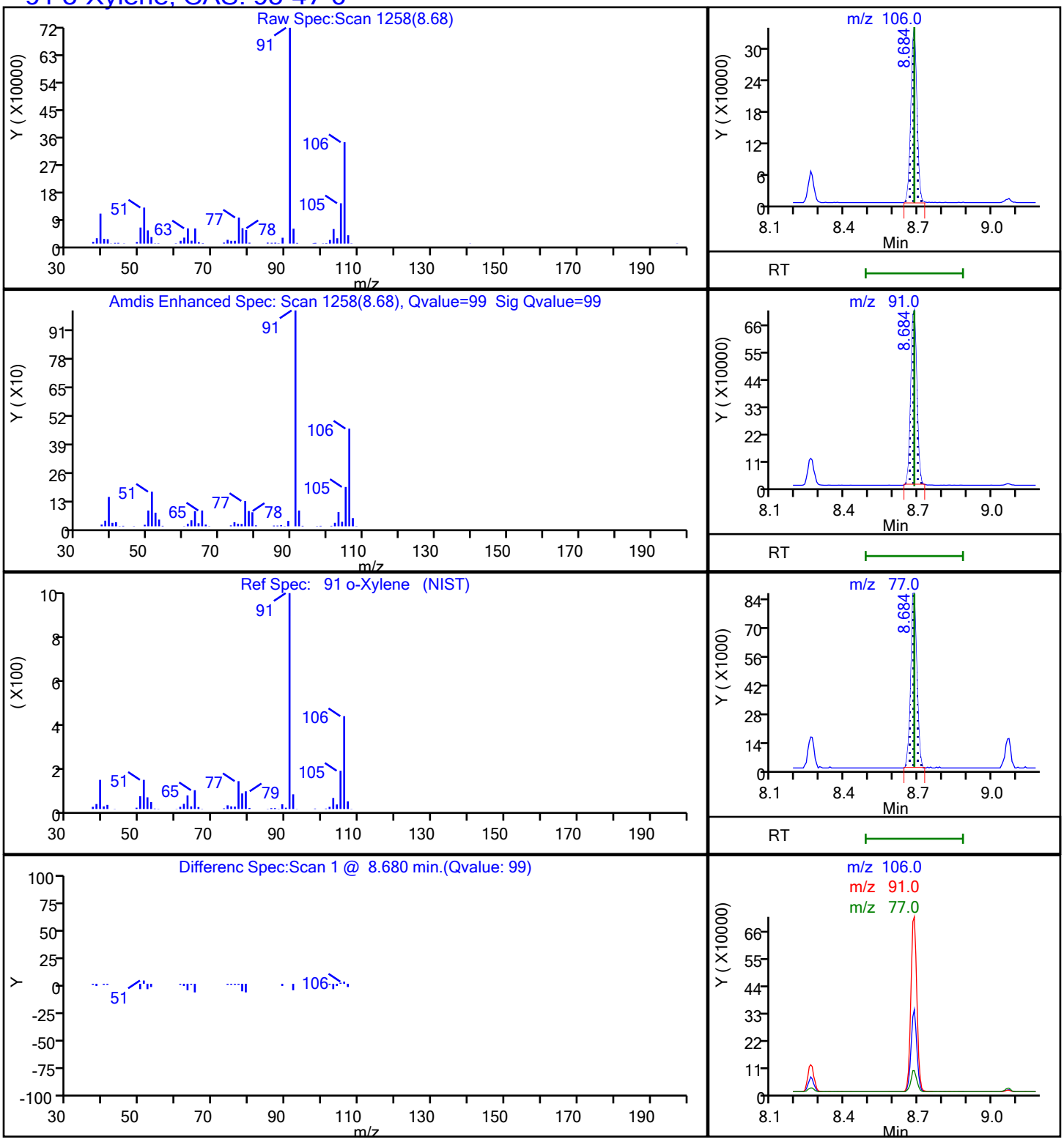
90 m-Xylene & p-Xylene, CAS: 179601-23-1



Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5775.d
Injection Date: 22-Mar-2024 17:31:30 Instrument ID: HP5973N
Lims ID: 480-218035-A-7 Lab Sample ID: 480-218035-7
Client ID: IW-6
Operator ID: CC ALS Bottle#: 18 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 200.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

91 o-Xylene, CAS: 95-47-6



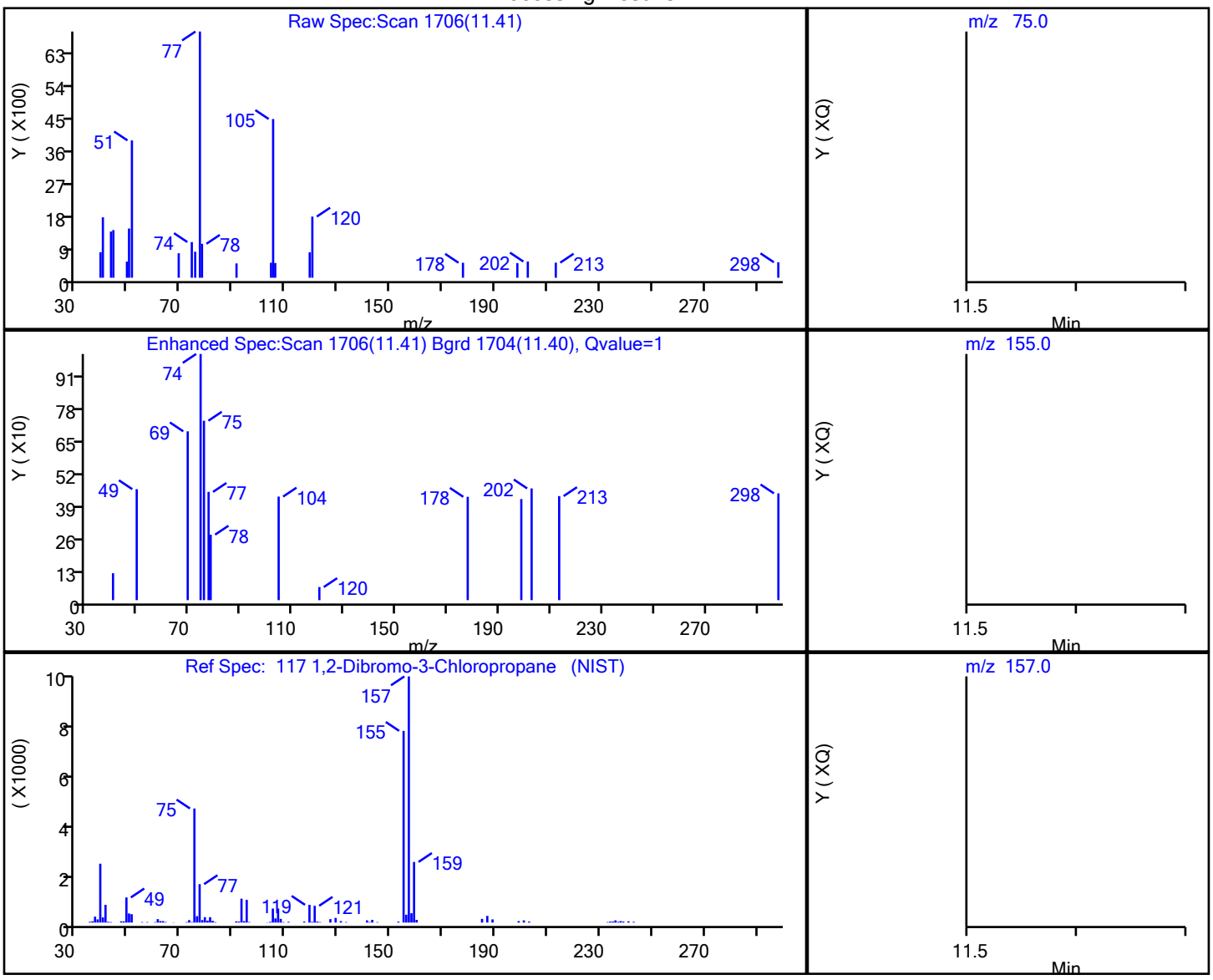
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5775.d				
Injection Date:	22-Mar-2024 17:31:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-7	Lab Sample ID:	480-218035-7		
Client ID:	IW-6				
Operator ID:	CC	ALS Bottle#:	18	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	200.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Processing Results



RT	Mass	Response	Amount
11.41	75.00	446	0.168469
11.56	155.00	0	
11.56	157.00	0	

Reviewer: TJ9E, 25-Mar-2024 09:03:56 -04:00:00 (UTC)

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

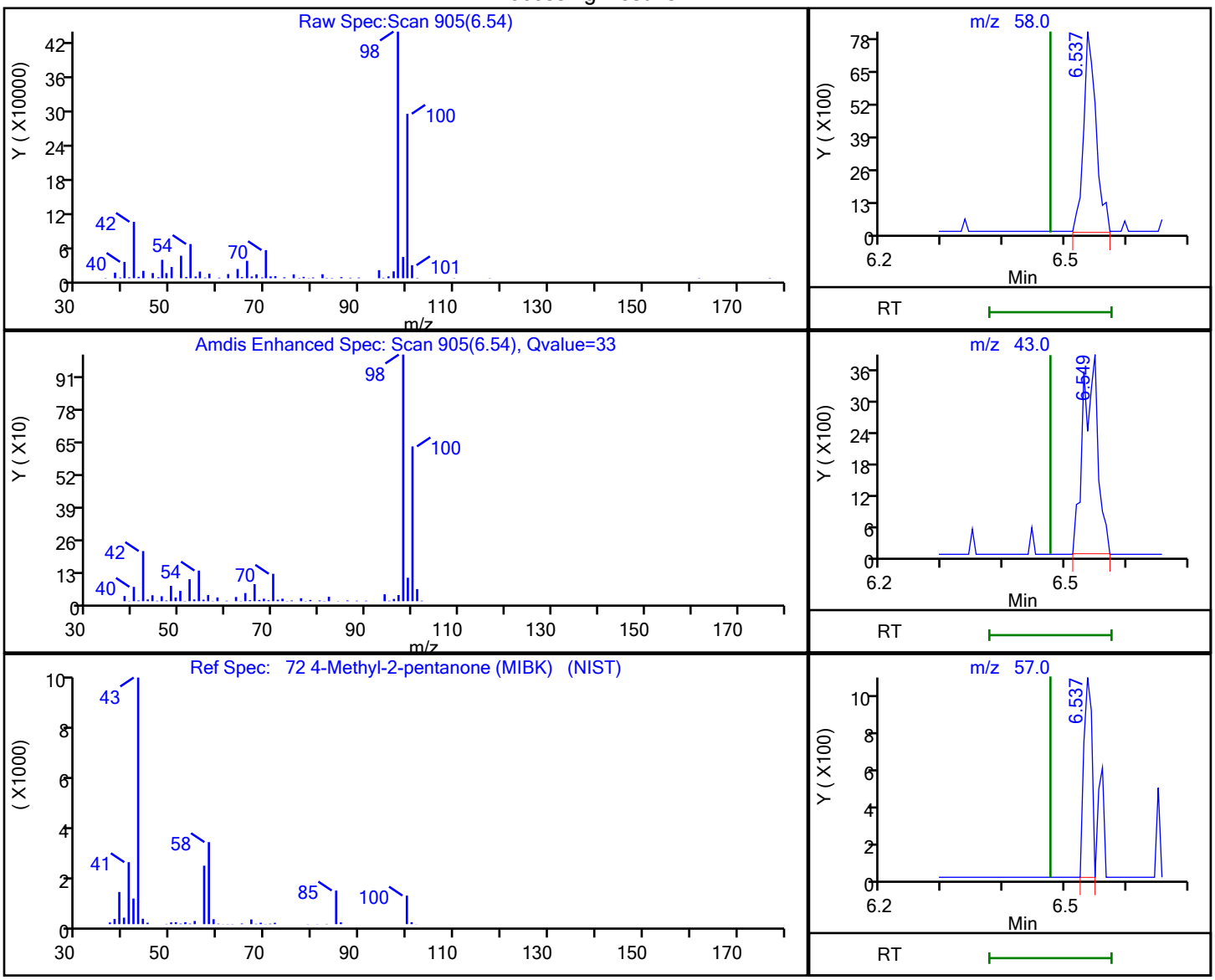
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5775.d				
Injection Date:	22-Mar-2024 17:31:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-7	Lab Sample ID:	480-218035-7		
Client ID:	IW-6				
Operator ID:	CC	ALS Bottle#:	18	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	200.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

72 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.54	58.00	11268	1.882955
6.55	43.00	6425	
6.54	57.00	942	

Reviewer: TJ9E, 25-Mar-2024 09:03:06 -04:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Buffalo

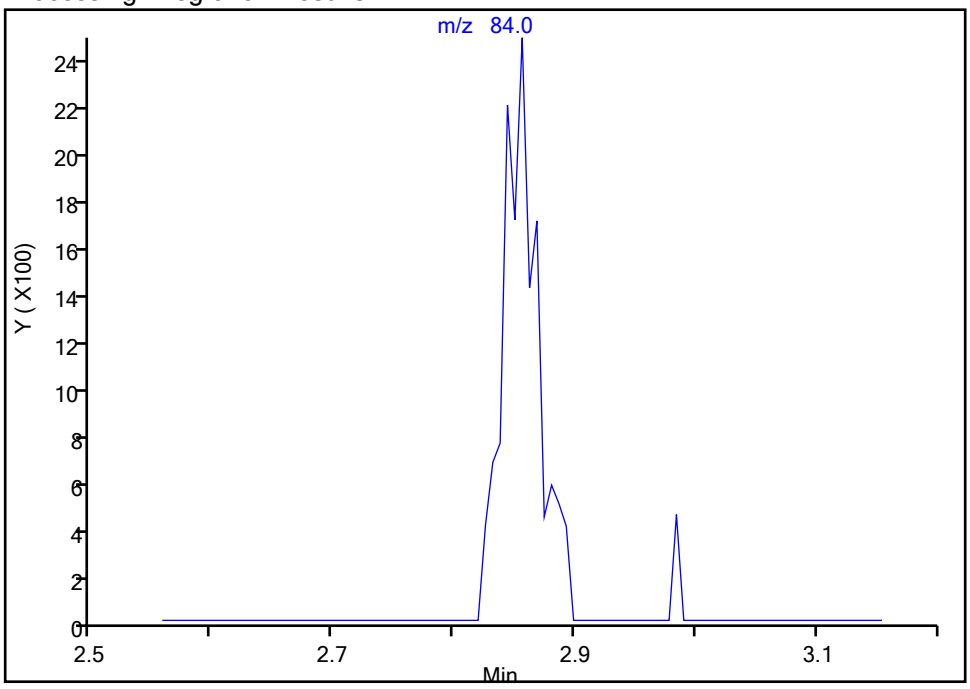
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5775.d				
Injection Date:	22-Mar-2024 17:31:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-7	Lab Sample ID:	480-218035-7		
Client ID:	IW-6				
Operator ID:	CC	ALS Bottle#:	18	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	200.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

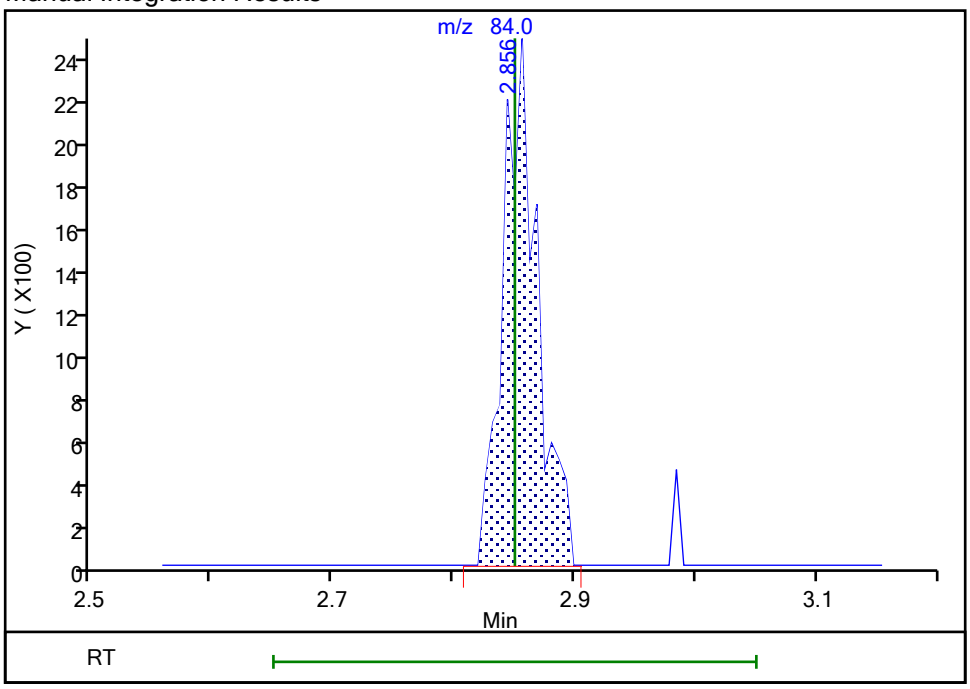
Not Detected
Expected RT: 2.85

Processing Integration Results



Manual Integration Results

RT: 2.86
Area: 4872
Amount: 0.411565
Amount Units: ug/L



Reviewer: TJ9E, 25-Mar-2024 09:02:51 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Buffalo

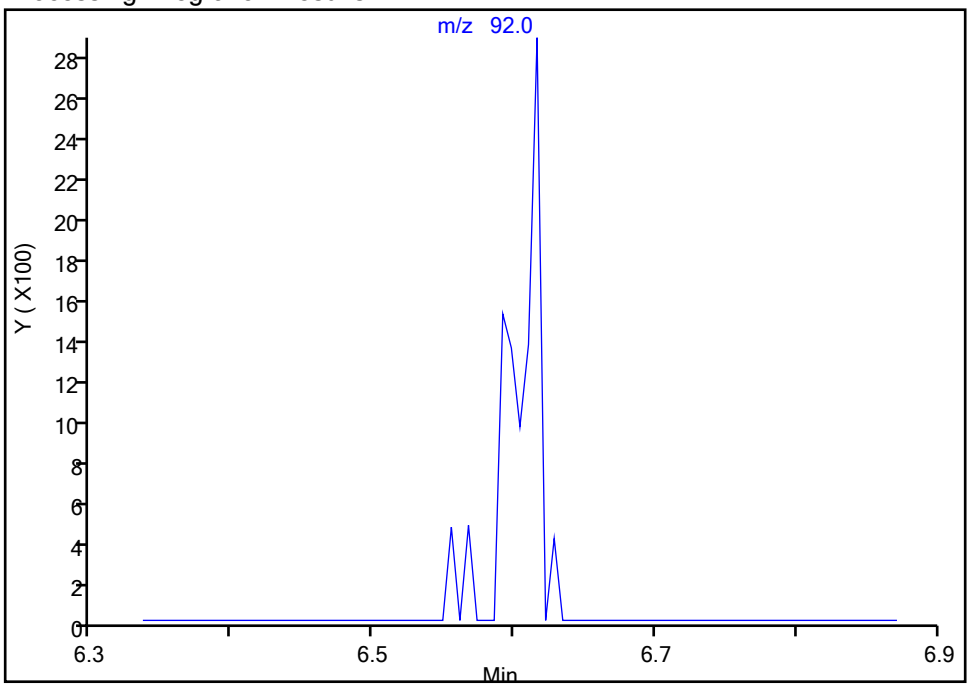
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5775.d				
Injection Date:	22-Mar-2024 17:31:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-7	Lab Sample ID:	480-218035-7		
Client ID:	IW-6				
Operator ID:	CC	ALS Bottle#:	18	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	200.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 Toluene, CAS: 108-88-3

Signal: 1

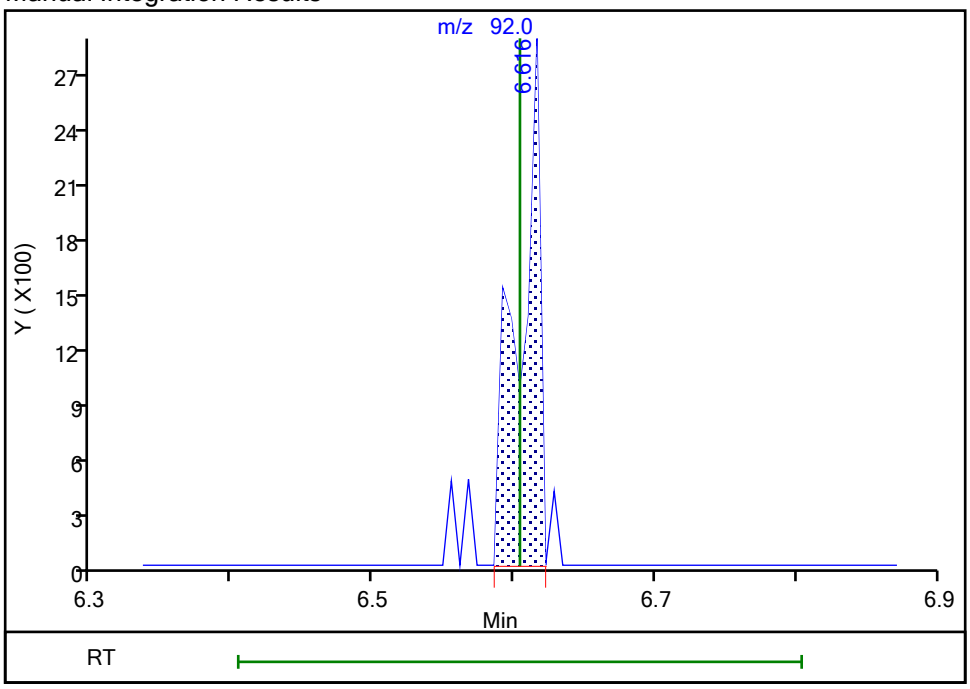
Not Detected
Expected RT: 6.60

Processing Integration Results



Manual Integration Results

RT: 6.62
Area: 2944
Amount: 0.179288
Amount Units: ug/L



Reviewer: TJ9E, 25-Mar-2024 09:03:10 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: DUP-03192024 | Lab Sample ID: 480-218035-8

Matrix: Water | Lab File ID: N5776.d

Analysis Method: 8260C | Date Collected: 03/19/2024 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 17:53

Soil Aliquot Vol: | Dilution Factor: 100

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704702 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		100	82
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31
79-00-5	1,1,2-Trichloroethane	ND		100	23
75-34-3	1,1-Dichloroethane	ND		100	38
75-35-4	1,1-Dichloroethene	ND		100	29
120-82-1	1,2,4-Trichlorobenzene	ND		100	41
95-63-6	1,2,4-Trimethylbenzene	4200		100	75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		100	39
106-93-4	1,2-Dibromoethane	ND		100	73
95-50-1	1,2-Dichlorobenzene	ND		100	79
107-06-2	1,2-Dichloroethane	ND		100	21
78-87-5	1,2-Dichloropropane	ND		100	72
108-67-8	1,3,5-Trimethylbenzene	3300		100	77
541-73-1	1,3-Dichlorobenzene	ND		100	78
106-46-7	1,4-Dichlorobenzene	ND		100	84
78-93-3	2-Butanone (MEK)	ND		1000	130
591-78-6	2-Hexanone	ND		500	120
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		500	210
67-64-1	Acetone	ND		1000	300
71-43-2	Benzene	ND		100	41
75-27-4	Bromodichloromethane	ND		100	39
75-25-2	Bromoform	ND		100	26
74-83-9	Bromomethane	ND		100	69
75-15-0	Carbon disulfide	ND		100	19
56-23-5	Carbon tetrachloride	ND		100	27
108-90-7	Chlorobenzene	ND		100	75
75-00-3	Chloroethane	ND		100	32
67-66-3	Chloroform	ND		100	34
74-87-3	Chloromethane	ND		100	35
156-59-2	cis-1,2-Dichloroethene	ND		100	81
10061-01-5	cis-1,3-Dichloropropene	ND		100	36
110-82-7	Cyclohexane	ND		100	18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: DUP-03192024 | Lab Sample ID: 480-218035-8

Matrix: Water | Lab File ID: N5776.d

Analysis Method: 8260C | Date Collected: 03/19/2024 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 17:53

Soil Aliquot Vol: | Dilution Factor: 100

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704702 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	ND		100	32
75-71-8	Dichlorodifluoromethane	ND		100	68
100-41-4	Ethylbenzene	ND		100	74
98-82-8	Isopropylbenzene	150		100	79
79-20-9	Methyl acetate	ND		250	130
1634-04-4	Methyl tert-butyl ether	ND		100	16
108-87-2	Methylcyclohexane	ND		100	16
75-09-2	Methylene Chloride	ND		100	44
103-65-1	N-Propylbenzene	110		100	69
100-42-5	Styrene	160		100	73
127-18-4	Tetrachloroethene	ND		100	36
108-88-3	Toluene	ND		100	51
156-60-5	trans-1,2-Dichloroethene	ND		100	90
10061-02-6	trans-1,3-Dichloropropene	ND	*+	100	37
79-01-6	Trichloroethene	ND		100	46
75-69-4	Trichlorofluoromethane	ND		100	88
75-01-4	Vinyl chloride	ND		100	90
1330-20-7	Xylenes, Total	5300		200	66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	84		75-123
2037-26-5	Toluene-d8 (Surr)	108		80-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5776.d
Lims ID: 480-218035-A-8
Client ID: DUP-03192024
Sample Type: Client
Inject. Date: 22-Mar-2024 17:53:30 ALS Bottle#: 19 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 100.0000
Sample Info: 480-218035-A-8
Misc. Info.: 480-0116891-026
Operator ID: CC Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Mar-2024 09:05:55 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: TJ9E Date: 25-Mar-2024 09:05:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.047	5.052	-0.006	97	201392	25.0	
* 2 Chlorobenzene-d5	117	8.009	8.009	0.000	93	582130	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.443	10.443	0.001	97	342054	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.481	4.469	0.006	92	279580	21.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.779	4.779	0.000	99	361425	21.6	
$ 6 Toluene-d8 (Surr)	98	6.543	6.543	0.000	95	825241	27.0	
$ 7 4-Bromofluorobenzene (Surr)	174	9.269	9.268	0.000	86	258688	25.5	
11 Dichlorodifluoromethane	85		1.141				ND	
13 Chloromethane	50		1.287				ND	
14 Vinyl chloride	62		1.372				ND	
15 Bromomethane	94		1.640				ND	U
16 Chloroethane	64		1.707				ND	
18 Trichlorofluoromethane	101		1.913				ND	
22 1,1-Dichloroethene	96		2.364				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.364				ND	
23 Acetone	43		2.473				ND	
25 Carbon disulfide	76		2.540				ND	
28 Methyl acetate	43		2.759				ND	
30 Methylene Chloride	84	2.863	2.856	0.012	87	3513	0.2906	
32 Methyl tert-butyl ether	73		3.057				ND	
33 trans-1,2-Dichloroethene	96		3.069				ND	
36 1,1-Dichloroethane	63		3.471				ND	
43 cis-1,2-Dichloroethene	96		4.018				ND	
44 2-Butanone (MEK)	43		4.049				ND	
50 Chloroform	83		4.329				ND	
51 1,1,1-Trichloroethane	97		4.426				ND	
52 Cyclohexane	56		4.432				ND	
53 Carbon tetrachloride	117		4.566				ND	
55 Benzene	78		4.779				ND	
57 1,2-Dichloroethane	62		4.846				ND	
60 Trichloroethene	95		5.381				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.497				ND	
63 1,2-Dichloropropane	63		5.618				ND	
67 Dichlorobromomethane	83		5.910				ND	
71 cis-1,3-Dichloropropene	75		6.324				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.476				ND	
73 Toluene	92		6.604				ND	
75 trans-1,3-Dichloropropene	75		6.890				ND	
78 1,1,2-Trichloroethane	83		7.078				ND	
79 Tetrachloroethene	166		7.133				ND	
82 2-Hexanone	43		7.309				ND	
83 Chlorodibromomethane	129		7.468				ND	
84 Ethylene Dibromide	107		7.565				ND	
85 Chlorobenzene	112		8.040				ND	
88 Ethylbenzene	91	8.137	8.137	0.000	96	18796	0.5678	
90 m-Xylene & p-Xylene	106	8.265	8.258	0.006	97	43858	3.47	
91 o-Xylene	106	8.684	8.684	0.000	98	673037	49.5	
92 Styrene	104	8.684	8.715	-0.031	52	31863	1.57	
93 Bromoform	173		8.958				ND	
95 Isopropylbenzene	105	9.074	9.068	0.006	96	52138	1.48	
98 1,1,2,2-Tetrachloroethane	83		9.493				ND	
100 N-Propylbenzene	91	9.512	9.512	0.000	99	43621	1.07	
104 1,3,5-Trimethylbenzene	105	9.700	9.700	0.000	95	1007703	32.6	
108 1,2,4-Trimethylbenzene	105	10.084	10.084	0.000	99	1328770	41.9	
110 1,3-Dichlorobenzene	146		10.370				ND	
113 1,4-Dichlorobenzene	146		10.467				ND	
116 1,2-Dichlorobenzene	146		10.820				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.562				ND	
119 1,2,4-Trichlorobenzene	180		12.243				ND	
S 126 Xylenes, Total	1				0		52.9	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

Reagents:

N 8260 IS_00265	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00467	Amount Added:	1.00	Units: uL	Run Reagent

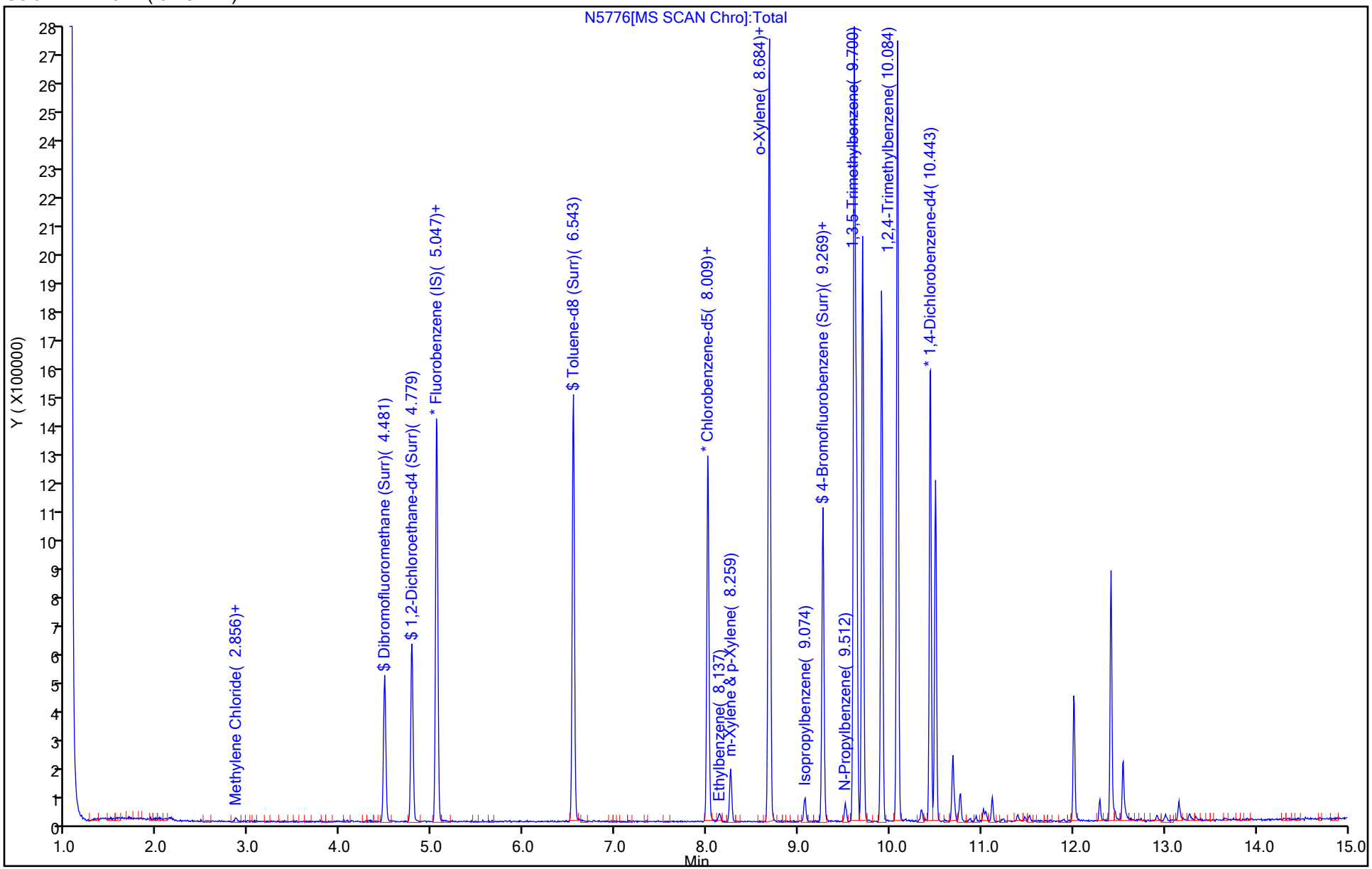
Report Date: 25-Mar-2024 09:05:55 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5776.d

Injection Date:	22-Mar-2024 17:53:30	Instrument ID:	HP5973N	Operator ID:	CC
Lims ID:	480-218035-A-8	Lab Sample ID:	480-218035-8	Worklist Smp#:	26
Client ID:	DUP-03192024				
Purge Vol:	5.000 mL	Dil. Factor:	100.0000	ALS Bottle#:	19
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5776.d
Lims ID: 480-218035-A-8
Client ID: DUP-03192024
Sample Type: Client
Inject. Date: 22-Mar-2024 17:53:30 ALS Bottle#: 19 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 100.0000
Sample Info: 480-218035-A-8
Misc. Info.: 480-0116891-026
Operator ID: CC Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Mar-2024 09:05:55 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

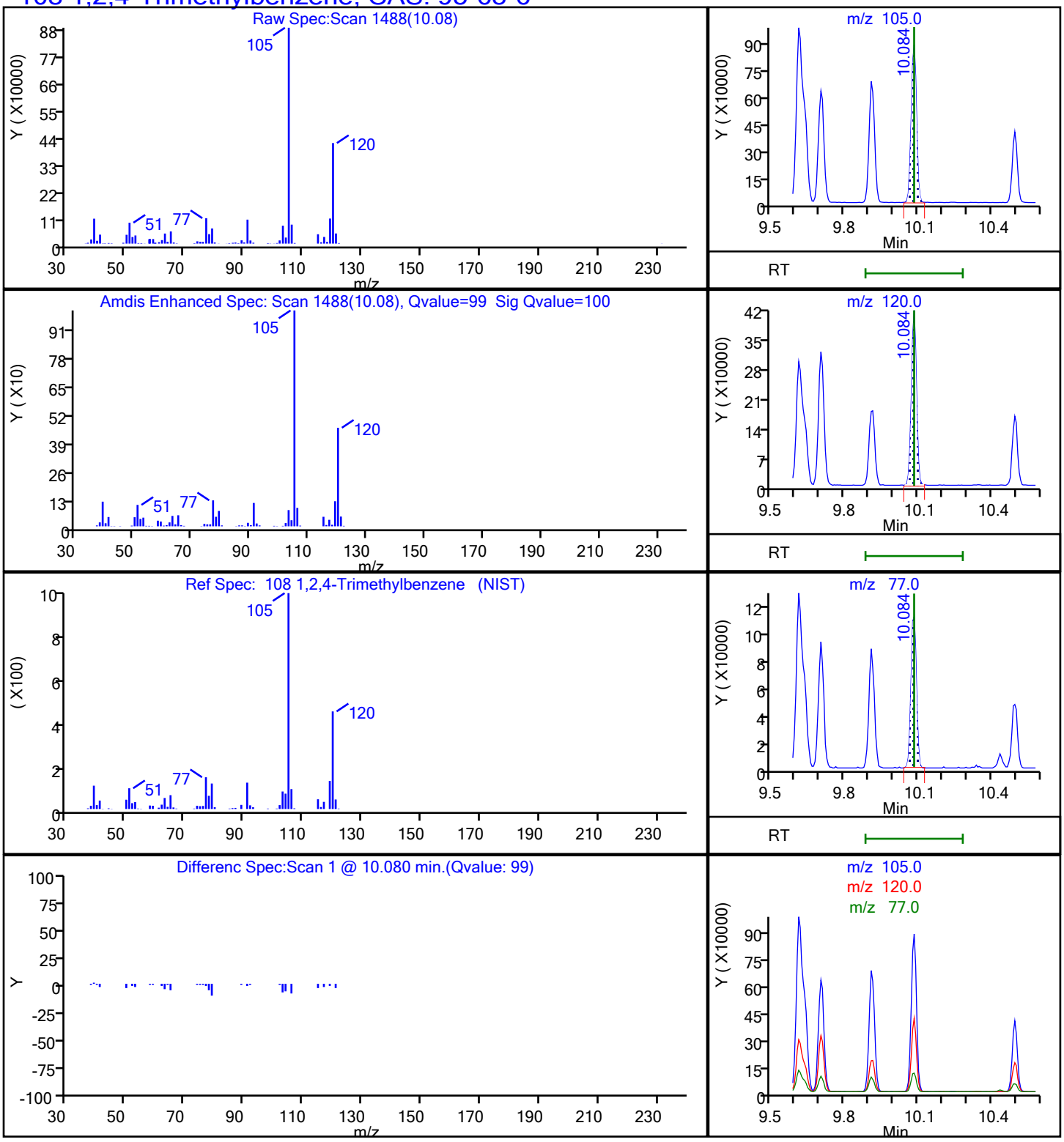
First Level Reviewer: TJ9E Date: 25-Mar-2024 09:05:55

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	21.0	83.99
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	21.6	86.38
$ 6 Toluene-d8 (Surr)	25.0	27.0	107.92
$ 7 4-Bromofluorobenzene (Surr)	25.0	25.5	101.90

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5776.d
Injection Date: 22-Mar-2024 17:53:30 Instrument ID: HP5973N
Lims ID: 480-218035-A-8 Lab Sample ID: 480-218035-8
Client ID: DUP-03192024
Operator ID: CC ALS Bottle#: 19 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 100.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

108 1,2,4-Trimethylbenzene, CAS: 95-63-6



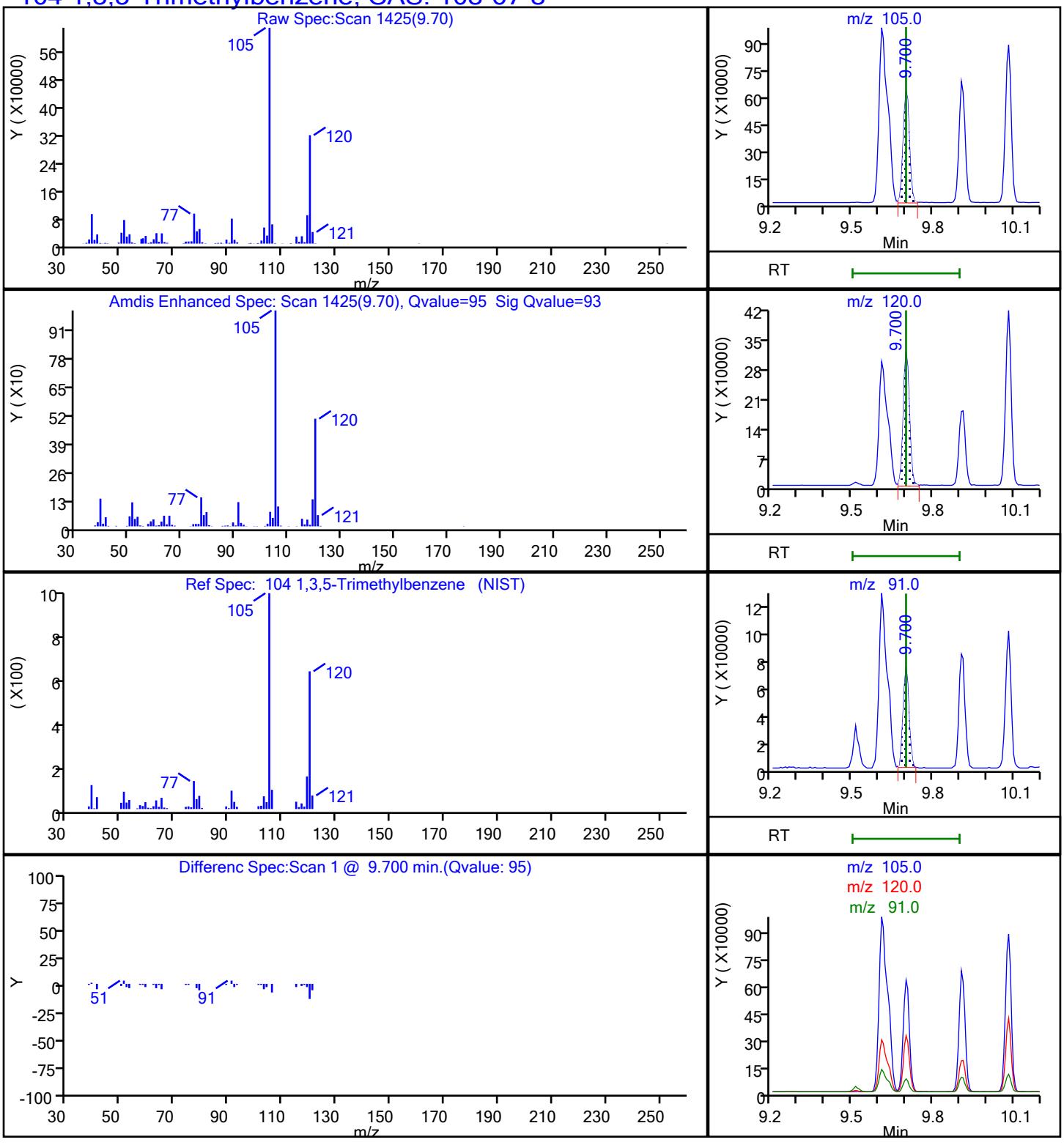
Report Date: 25-Mar-2024 09:05:55 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5776.d

Injection Date:	22-Mar-2024 17:53:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-8	Lab Sample ID:	480-218035-8		
Client ID:	DUP-03192024				
Operator ID:	CC	ALS Bottle#:	19	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	100.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

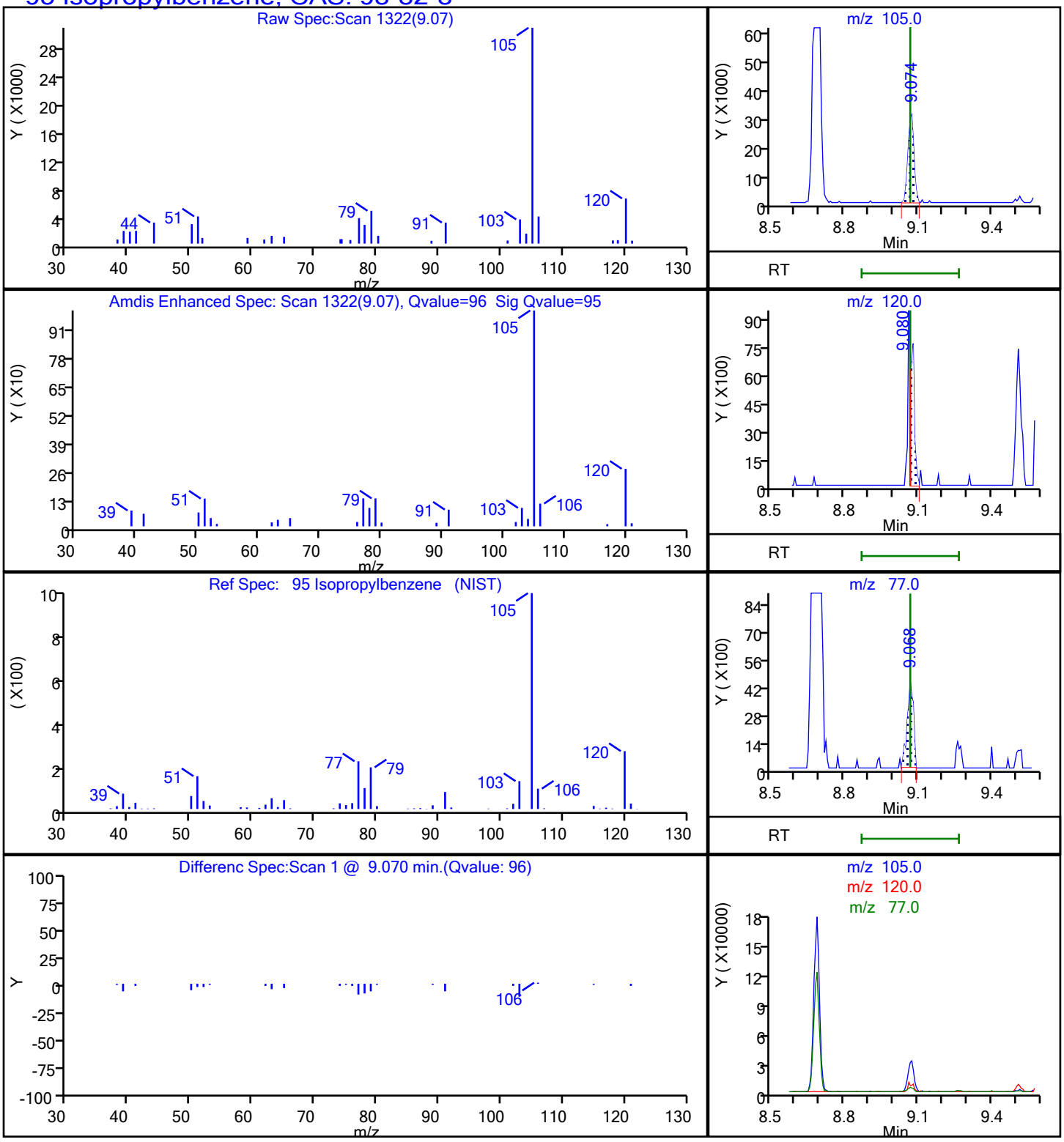
104 1,3,5-Trimethylbenzene, CAS: 108-67-8



Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5776.d
Injection Date: 22-Mar-2024 17:53:30 Instrument ID: HP5973N
Lims ID: 480-218035-A-8 Lab Sample ID: 480-218035-8
Client ID: DUP-03192024
Operator ID: CC ALS Bottle#: 19 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 100.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

95 Isopropylbenzene, CAS: 98-82-8



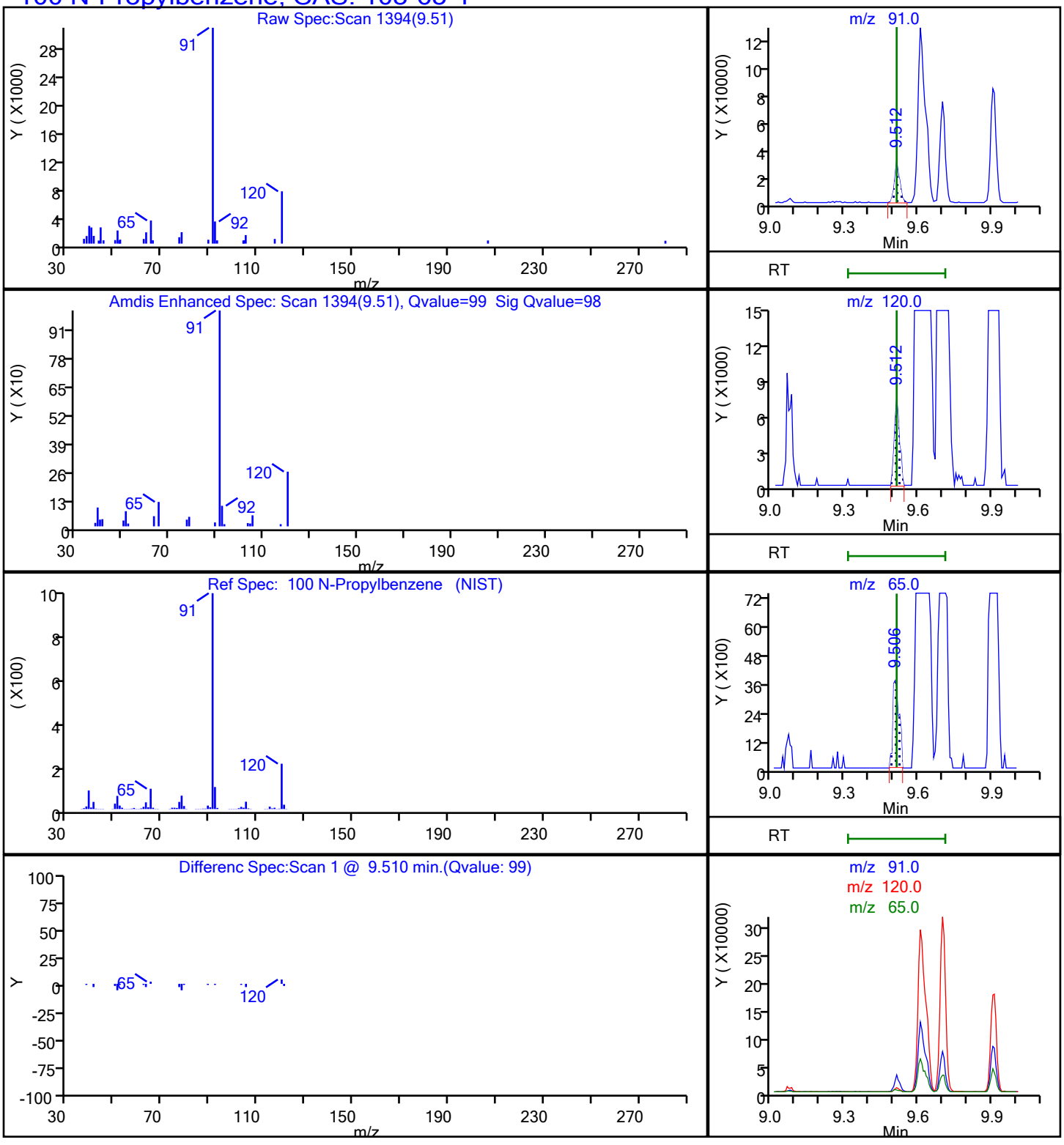
Report Date: 25-Mar-2024 09:05:55 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5776.d

Injection Date:	22-Mar-2024 17:53:30	Instrument ID:	HP5973N
Lims ID:	480-218035-A-8	Lab Sample ID:	480-218035-8
Client ID:	DUP-03192024		
Operator ID:	CC	ALS Bottle#:	19 Worklist Smp#: 26
Purge Vol:	5.000 mL	Dil. Factor:	100.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

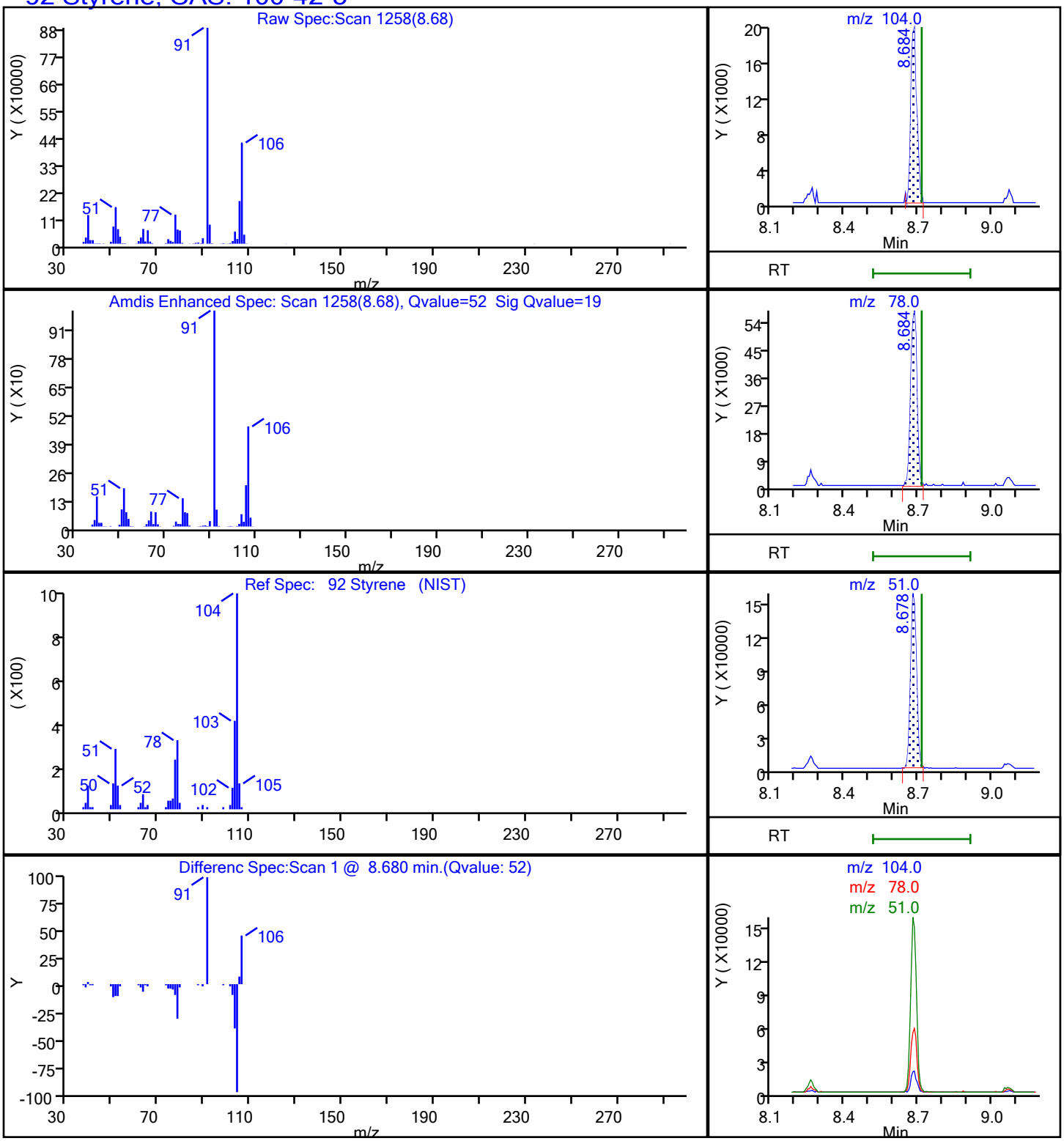
100 N-Propylbenzene, CAS: 103-65-1



Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5776.d
Injection Date: 22-Mar-2024 17:53:30 Instrument ID: HP5973N
Lims ID: 480-218035-A-8 Lab Sample ID: 480-218035-8
Client ID: DUP-03192024
Operator ID: CC ALS Bottle#: 19 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 100.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

92 Styrene, CAS: 100-42-5



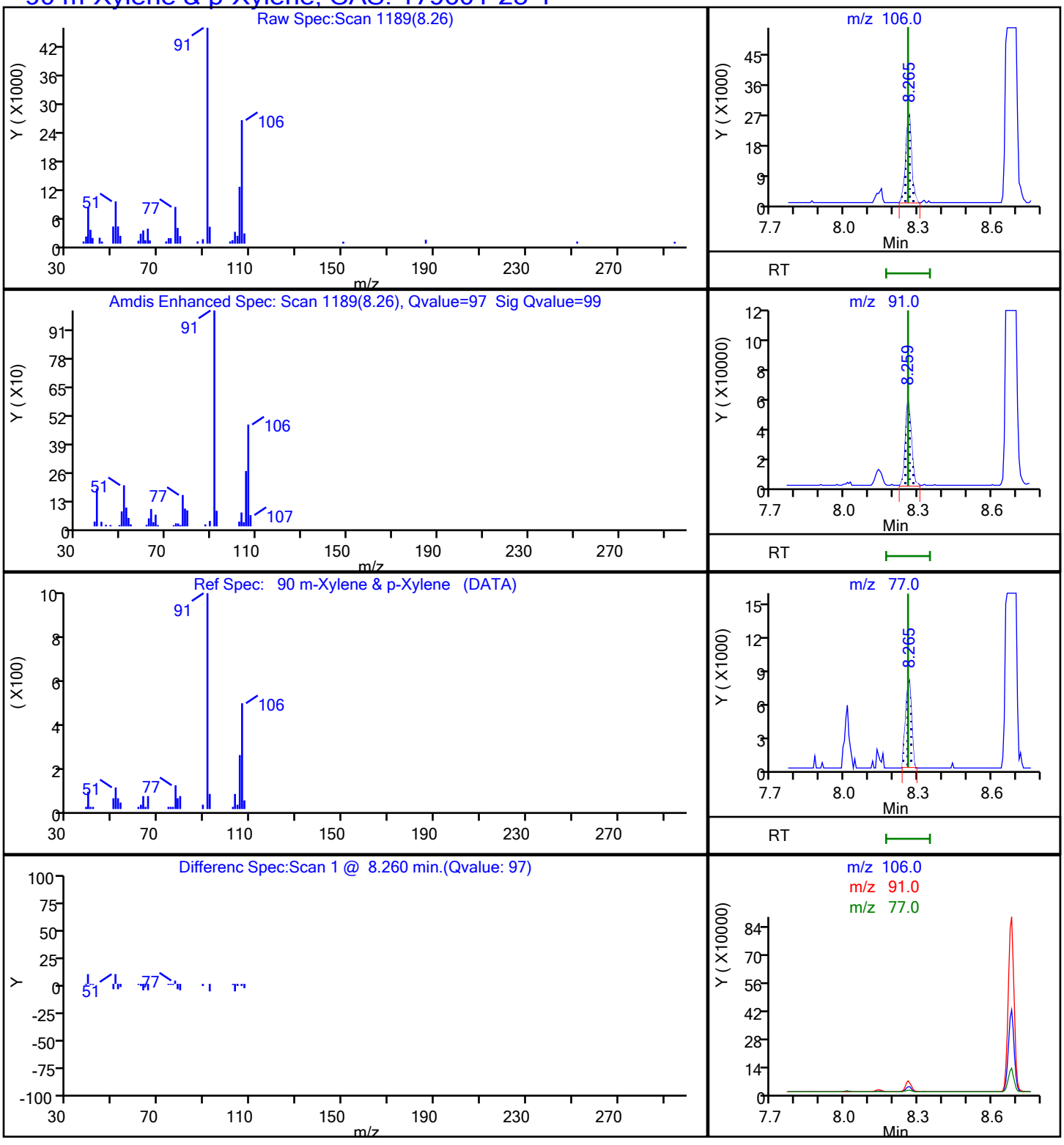
Report Date: 25-Mar-2024 09:05:55 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5776.d

Injection Date:	22-Mar-2024 17:53:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-8	Lab Sample ID:	480-218035-8		
Client ID:	DUP-03192024				
Operator ID:	CC	ALS Bottle#:	19	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	100.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

90 m-Xylene & p-Xylene, CAS: 179601-23-1



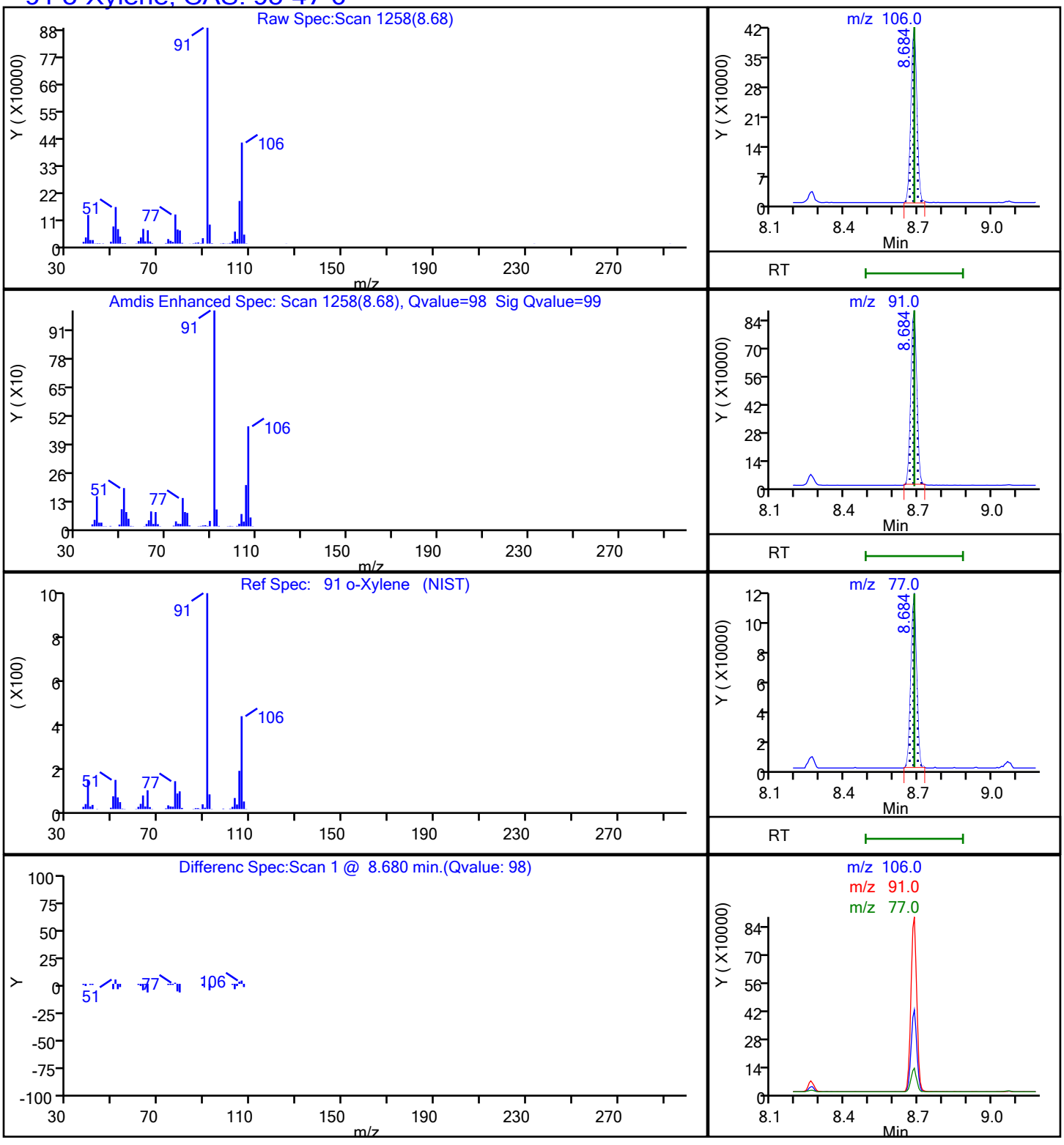
Report Date: 25-Mar-2024 09:05:55 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5776.d

Injection Date:	22-Mar-2024 17:53:30	Instrument ID:	HP5973N
Lims ID:	480-218035-A-8	Lab Sample ID:	480-218035-8
Client ID:	DUP-03192024		
Operator ID:	CC	ALS Bottle#:	19 Worklist Smp#: 26
Purge Vol:	5.000 mL	Dil. Factor:	100.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

91 o-Xylene, CAS: 95-47-6



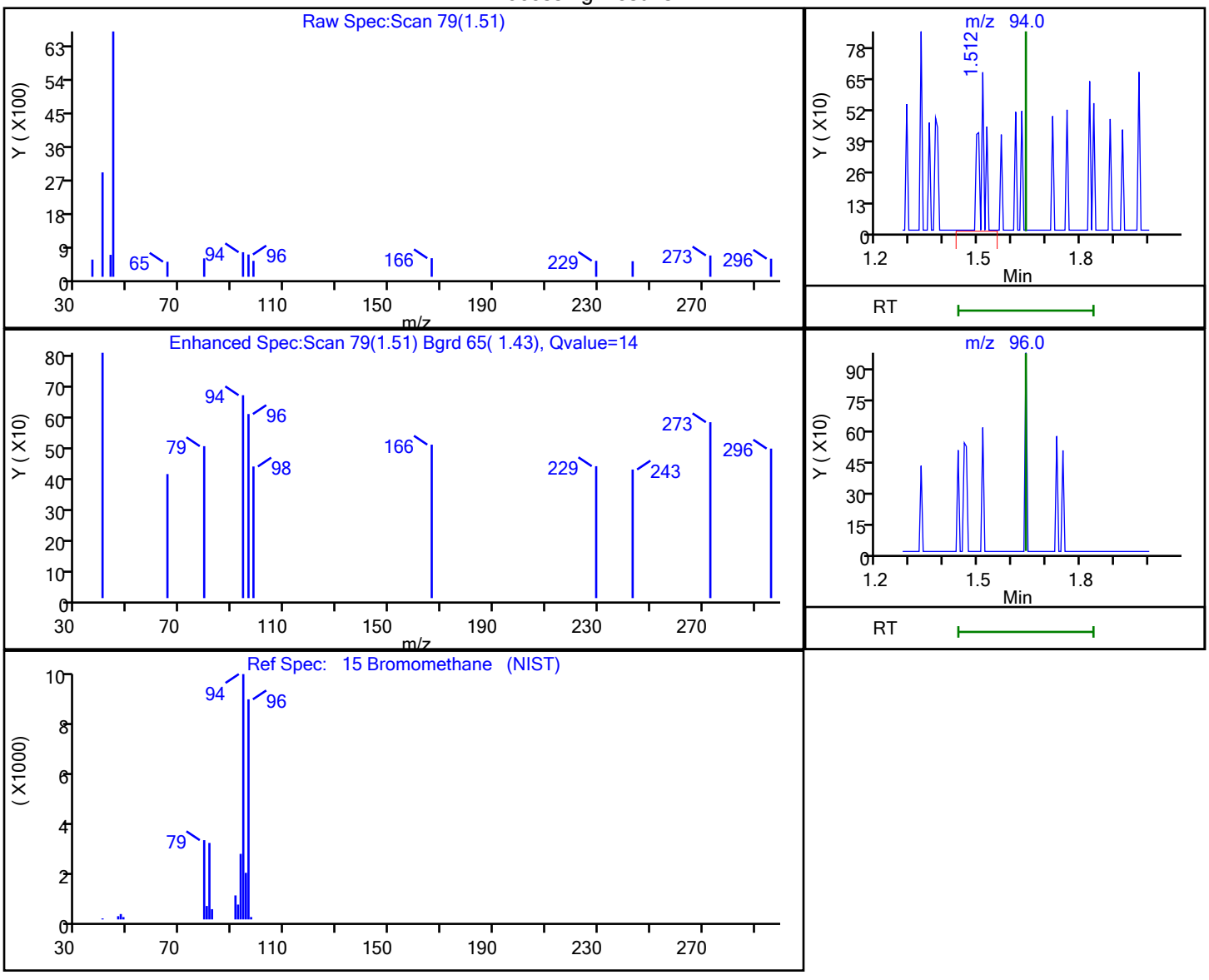
User Disabled Compound Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5776.d
Injection Date: 22-Mar-2024 17:53:30 Instrument ID: HP5973N
Lims ID: 480-218035-A-8 Lab Sample ID: 480-218035-8
Client ID: DUP-03192024
Operator ID: CC ALS Bottle#: 19 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 100.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.51	94.00	703	0.096133
1.64	96.00	0	

Reviewer: TJ9E, 25-Mar-2024 09:05:08 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: EQUIPMENT BLANK-20240319 | Lab Sample ID: 480-218035-9

Matrix: Water | Lab File ID: N5777.d

Analysis Method: 8260C | Date Collected: 03/19/2024 15:20

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 18:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704702 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	1.8	J	10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	3.4	J	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: EQUIPMENT BLANK-20240319 | Lab Sample ID: 480-218035-9

Matrix: Water | Lab File ID: N5777.d

Analysis Method: 8260C | Date Collected: 03/19/2024 15:20

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 18:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704702 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
103-65-1	N-Propylbenzene	ND		1.0	0.69
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND	*+	1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	83		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	84		75-123
2037-26-5	Toluene-d8 (Surr)	106		80-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5777.d
Lims ID: 480-218035-A-9
Client ID: EQUIPMENT BLANK-20240319
Sample Type: Client
Inject. Date: 22-Mar-2024 18:15:30 ALS Bottle#: 20 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-218035-A-9
Misc. Info.: 480-0116891-027
Operator ID: CC Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Mar-2024 09:07:18 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: TJ9E Date: 25-Mar-2024 09:07:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.046	5.052	-0.006	97	191028	25.0	
* 2 Chlorobenzene-d5	117	8.009	8.009	0.000	94	549133	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.443	10.443	0.001	96	338518	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.481	4.469	0.006	92	264840	21.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.779	4.779	0.000	98	330190	20.8	
$ 6 Toluene-d8 (Surr)	98	6.543	6.543	0.000	96	767858	26.6	
$ 7 4-Bromofluorobenzene (Surr)	174	9.268	9.268	0.000	82	235609	24.6	
11 Dichlorodifluoromethane	85		1.141				ND	
13 Chloromethane	50		1.287				ND	
14 Vinyl chloride	62		1.372				ND	
15 Bromomethane	94		1.640				ND	
16 Chloroethane	64		1.707				ND	
18 Trichlorofluoromethane	101		1.913				ND	
22 1,1-Dichloroethene	96		2.364				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.364				ND	
23 Acetone	43	2.479	2.467	0.006	97	27361	3.40	
25 Carbon disulfide	76		2.540				ND	
28 Methyl acetate	43		2.759				ND	
30 Methylene Chloride	84	2.856	2.856	0.006	43	2244	0.1957	a
32 Methyl tert-butyl ether	73		3.057				ND	
33 trans-1,2-Dichloroethene	96		3.069				ND	
36 1,1-Dichloroethane	63		3.471				ND	
43 cis-1,2-Dichloroethene	96		4.018				ND	
44 2-Butanone (MEK)	43	4.055	4.049	0.006	97	20304	1.85	
50 Chloroform	83		4.329				ND	7
51 1,1,1-Trichloroethane	97		4.426				ND	
52 Cyclohexane	56		4.432				ND	
53 Carbon tetrachloride	117		4.566				ND	
55 Benzene	78		4.779				ND	
57 1,2-Dichloroethane	62		4.846				ND	
60 Trichloroethene	95		5.381				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.497				ND	
63 1,2-Dichloropropane	63		5.618				ND	
67 Dichlorobromomethane	83		5.910				ND	MU
71 cis-1,3-Dichloropropene	75		6.324				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.476				ND	
73 Toluene	92	6.598	6.616	-0.006	96	4043	0.2605	
75 trans-1,3-Dichloropropene	75		6.890				ND	
78 1,1,2-Trichloroethane	83		7.078				ND	
79 Tetrachloroethene	166		7.133				ND	
82 2-Hexanone	43		7.309				ND	
83 Chlorodibromomethane	129		7.468				ND	7
84 Ethylene Dibromide	107		7.565				ND	
85 Chlorobenzene	112		8.040				ND	
88 Ethylbenzene	91		8.137				ND	
90 m-Xylene & p-Xylene	106		8.259				ND	
91 o-Xylene	106		8.684				ND	
92 Styrene	104		8.715				ND	
93 Bromoform	173		8.958				ND	
95 Isopropylbenzene	105		9.068				ND	
98 1,1,2,2-Tetrachloroethane	83		9.493				ND	
100 N-Propylbenzene	91		9.512				ND	
104 1,3,5-Trimethylbenzene	105		9.700				ND	
108 1,2,4-Trimethylbenzene	105		10.084				ND	
110 1,3-Dichlorobenzene	146		10.370				ND	7
113 1,4-Dichlorobenzene	146		10.467				ND	7
116 1,2-Dichlorobenzene	146		10.820				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.562				ND	
119 1,2,4-Trichlorobenzene	180		12.243				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Reagents:

N 8260 IS_00265	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00467	Amount Added:	1.00	Units: uL	Run Reagent

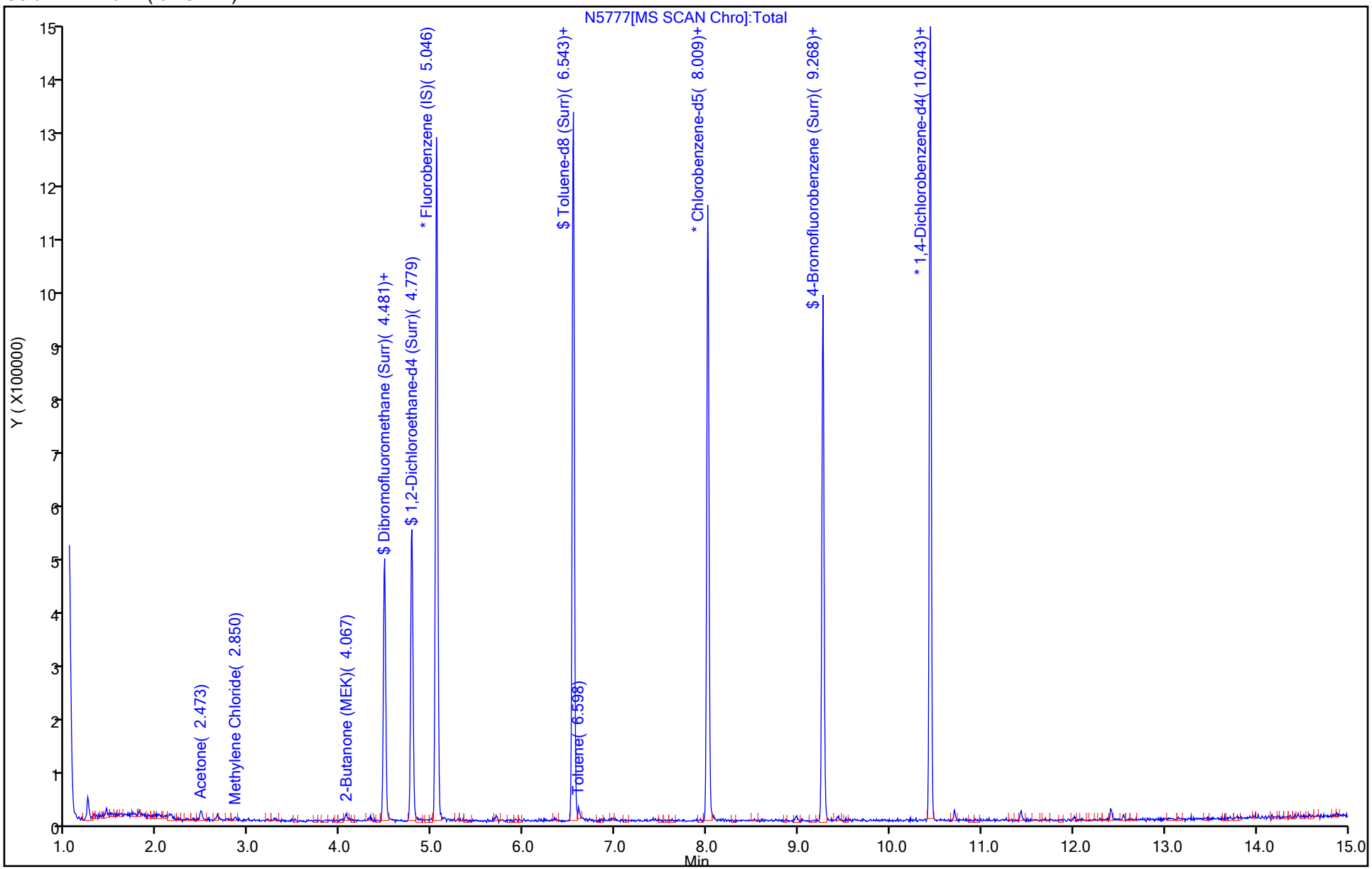
Report Date: 25-Mar-2024 09:07:18 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5777.d

Injection Date:	22-Mar-2024 18:15:30	Instrument ID:	HP5973N	Operator ID:	CC
Lims ID:	480-218035-A-9	Lab Sample ID:	480-218035-9	Worklist Smp#:	27
Client ID:	EQUIPMENT BLANK-20240319				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5777.d
Lims ID: 480-218035-A-9
Client ID: EQUIPMENT BLANK-20240319
Sample Type: Client
Inject. Date: 22-Mar-2024 18:15:30 ALS Bottle#: 20 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-218035-A-9
Misc. Info.: 480-0116891-027
Operator ID: CC Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Mar-2024 09:07:18 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

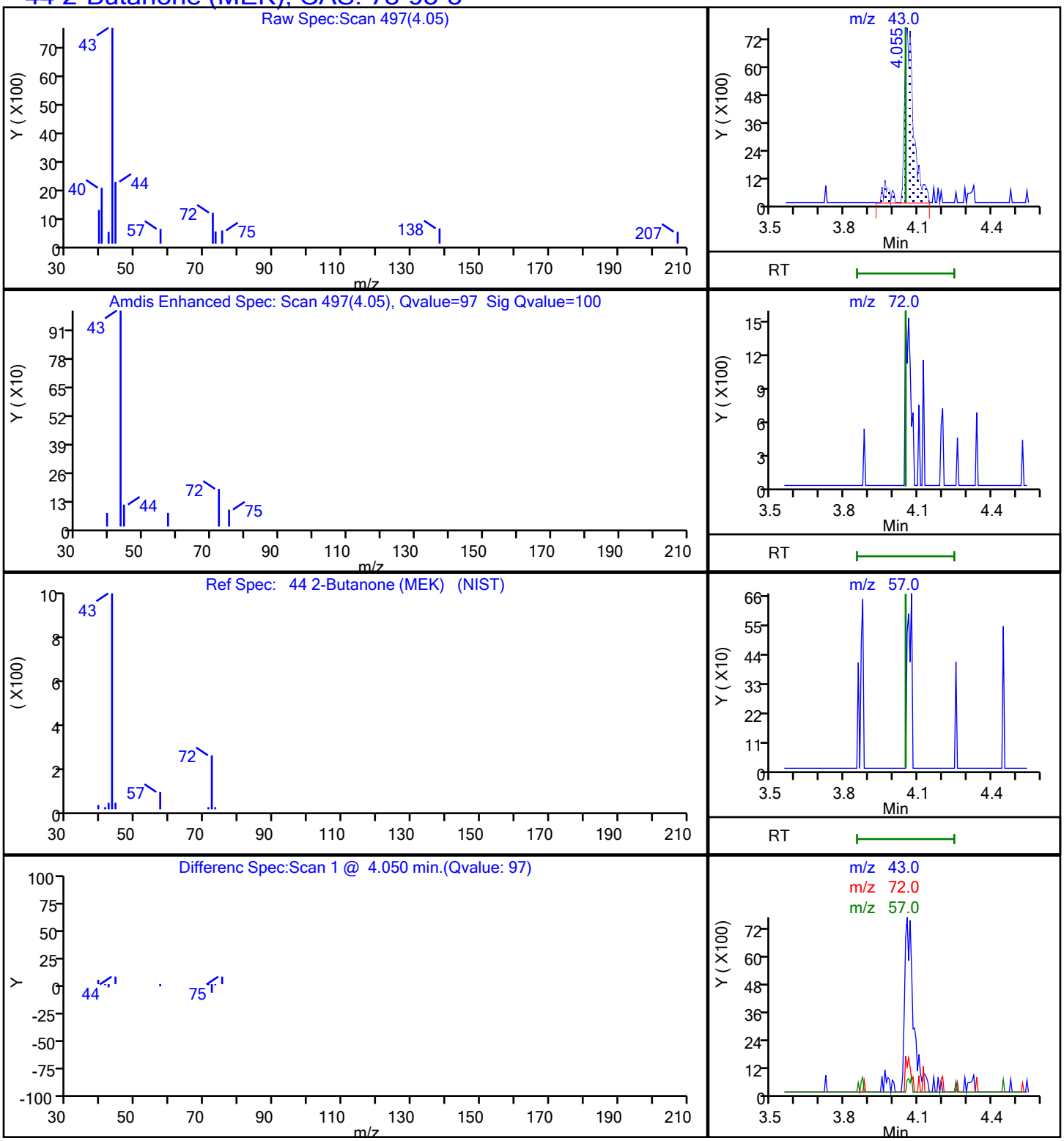
First Level Reviewer: TJ9E Date: 25-Mar-2024 09:07:18

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	21.0	83.88
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	20.8	83.20
$ 6 Toluene-d8 (Surr)	25.0	26.6	106.45
$ 7 4-Bromofluorobenzene (Surr)	25.0	24.6	98.39

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5777.d
Injection Date: 22-Mar-2024 18:15:30 Instrument ID: HP5973N
Lims ID: 480-218035-A-9 Lab Sample ID: 480-218035-9
Client ID: EQUIPMENT BLANK-20240319
Operator ID: CC ALS Bottle#: 20 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3



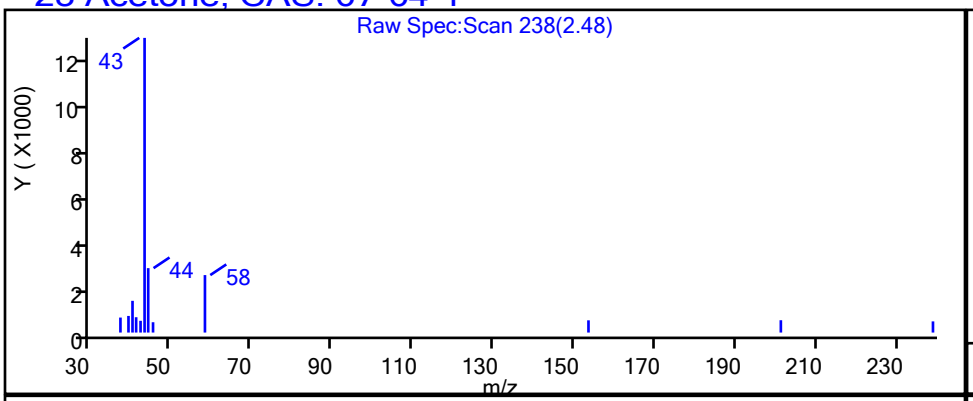
Report Date: 25-Mar-2024 09:07:18 Chrom Revision: 2.3 23-Feb-2024 16:51:14

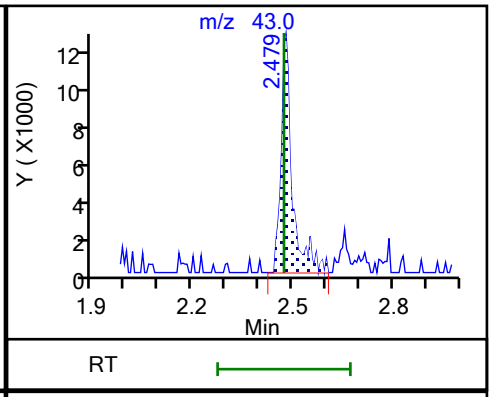
Eurofins Buffalo

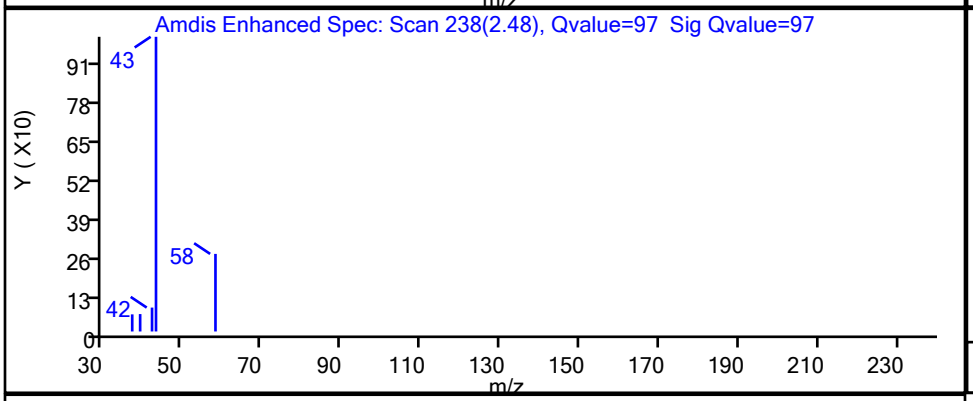
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5777.d

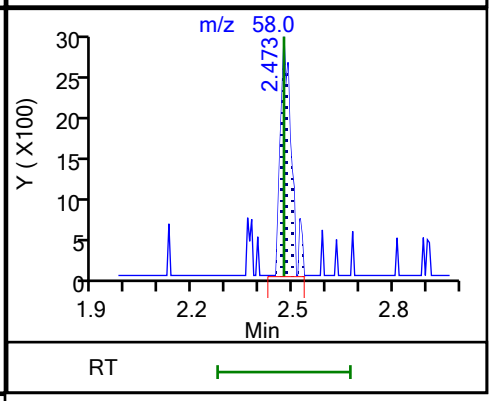
Injection Date:	22-Mar-2024 18:15:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-9	Lab Sample ID:	480-218035-9		
Client ID:	EQUIPMENT BLANK-20240319				
Operator ID:	CC	ALS Bottle#:	20	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

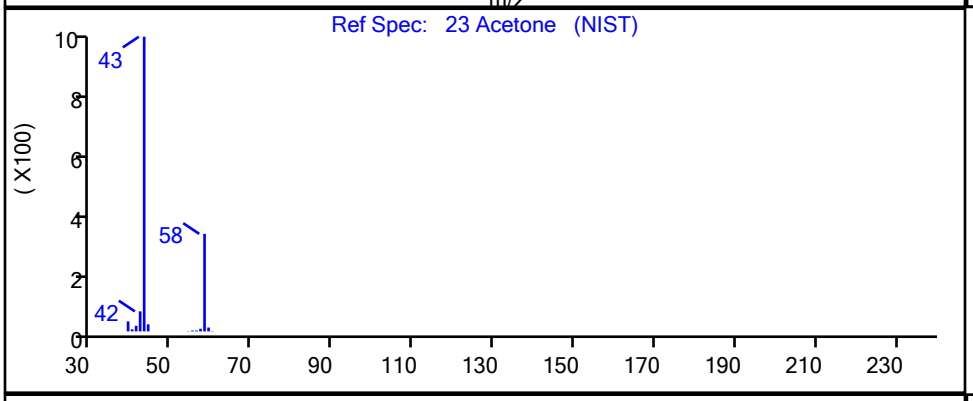
23 Acetone, CAS: 67-64-1

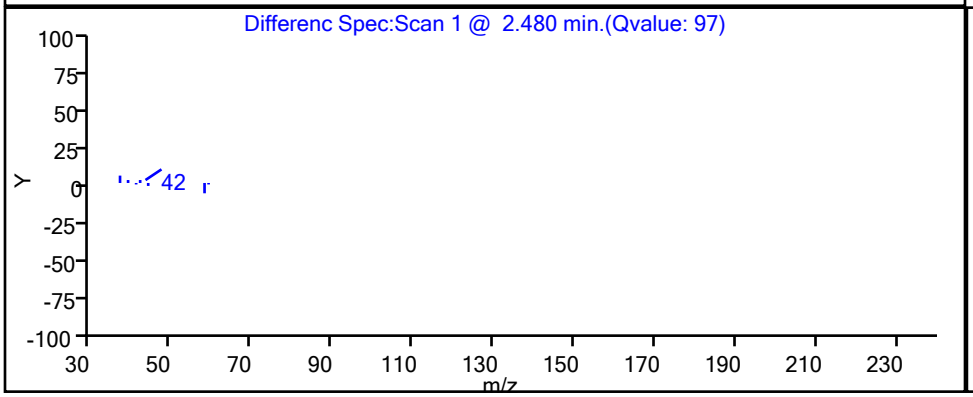


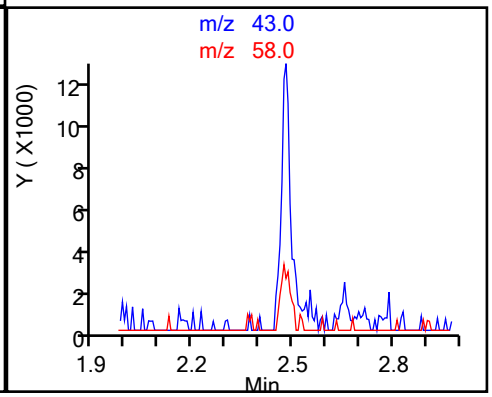












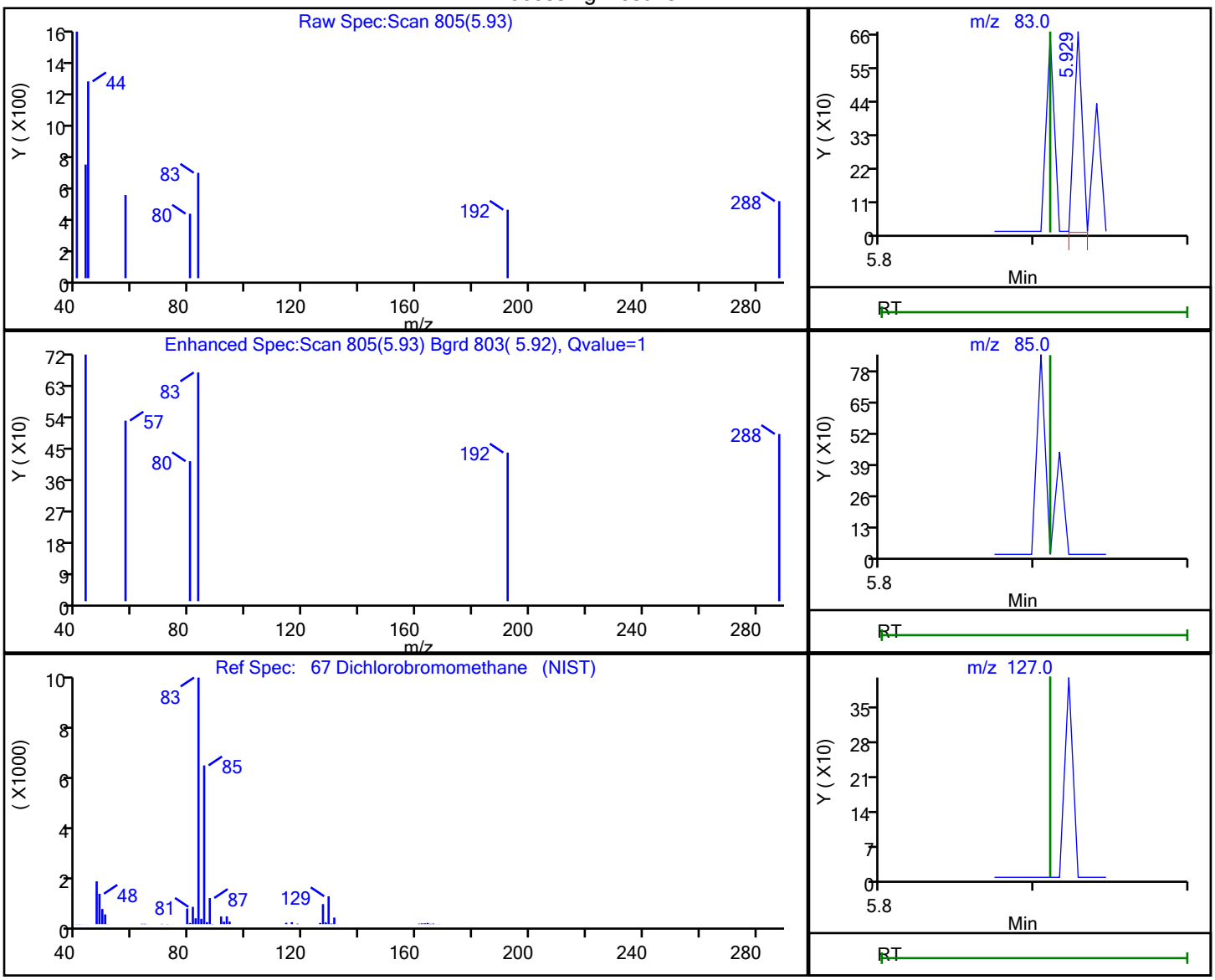
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5777.d				
Injection Date:	22-Mar-2024 18:15:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-9	Lab Sample ID:	480-218035-9		
Client ID:	EQUIPMENT BLANK-20240319				
Operator ID:	CC	ALS Bottle#:	20	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

67 Dichlorobromomethane, CAS: 75-27-4

Processing Results



RT	Mass	Response	Amount
5.93	83.00	243	0.022119
5.91	85.00	0	
5.91	127.00	0	

Reviewer: TJ9E, 25-Mar-2024 09:06:49 -04:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Buffalo

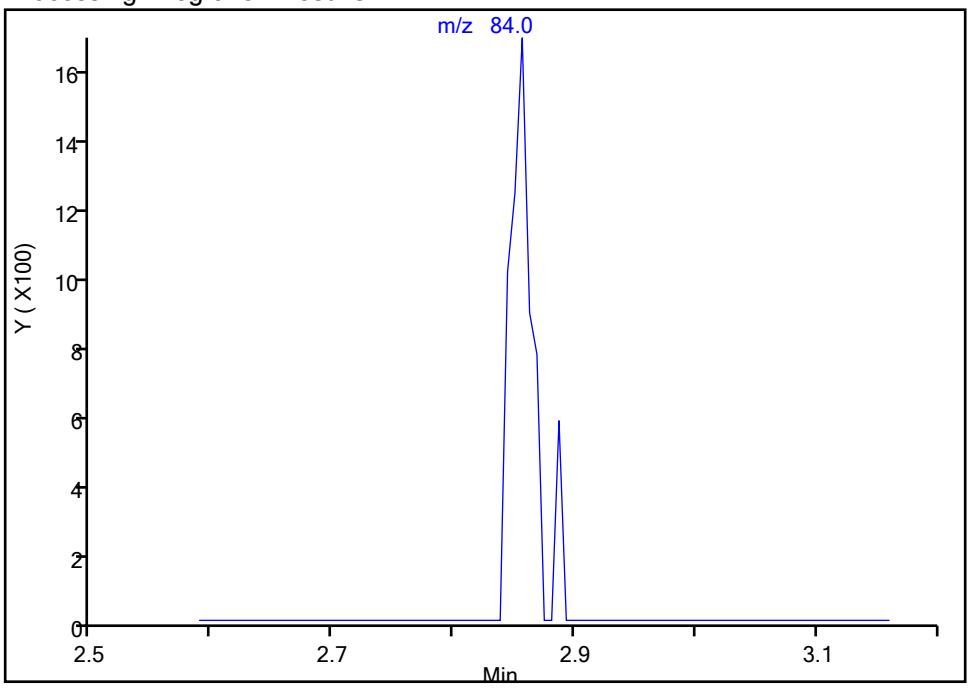
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5777.d				
Injection Date:	22-Mar-2024 18:15:30	Instrument ID:	HP5973N		
Lims ID:	480-218035-A-9	Lab Sample ID:	480-218035-9		
Client ID:	EQUIPMENT BLANK-20240319				
Operator ID:	CC	ALS Bottle#:	20	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

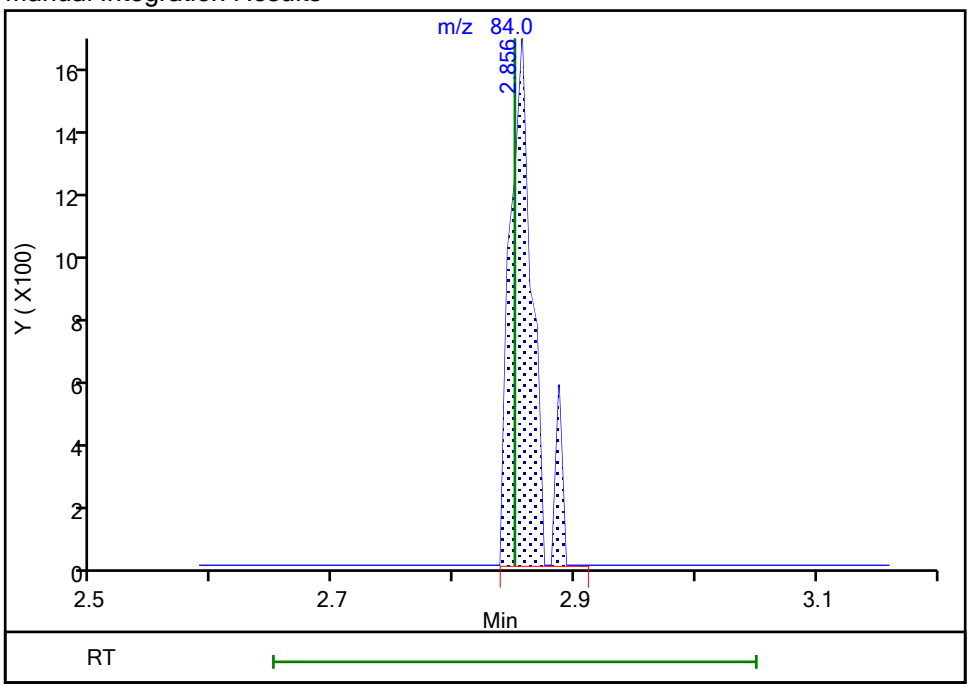
Not Detected
Expected RT: 2.85

Processing Integration Results



Manual Integration Results

RT: 2.86
Area: 2244
Amount: 0.195664
Amount Units: ug/L



Reviewer: TJ9E, 25-Mar-2024 09:06:20 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: IW-3 | Lab Sample ID: 480-218035-10

Matrix: Water | Lab File ID: S6755.d

Analysis Method: 8260C | Date Collected: 03/19/2024 14:35

Sample wt/vol: 5(mL) | Date Analyzed: 03/26/2024 16:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 705062 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	29	F1	1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	24	F1	1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	0.35	J	1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: IW-3 | Lab Sample ID: 480-218035-10

Matrix: Water | Lab File ID: S6755.d

Analysis Method: 8260C | Date Collected: 03/19/2024 14:35

Sample wt/vol: 5(mL) | Date Analyzed: 03/26/2024 16:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 705062 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
103-65-1	N-Propylbenzene	ND		1.0	0.69
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	11	F1	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123
2037-26-5	Toluene-d8 (Surr)	106		80-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6755.d
Lims ID: 480-218035-B-10
Client ID: IW-3
Sample Type: Client
Inject. Date: 26-Mar-2024 16:05:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-218035-B-10
Misc. Info.: 480-0116943-010
Operator ID: ZN/RS Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Mar-2024 09:12:53 Calib Date: 26-Mar-2024 05:09:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6740.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: MHM2 Date: 27-Mar-2024 08:38:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.752	4.752	0.000	98	217759	25.0	
* 2 Chlorobenzene-d5	82	7.702	7.702	0.000	86	418374	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.148	10.154	-0.006	95	459289	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.192	4.186	0.006	56	260908	26.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.484	4.484	0.000	92	191414	25.7	
$ 5 Toluene-d8 (Surr)	98	6.242	6.242	0.000	94	1014661	26.4	
$ 6 4-Bromofluorobenzene (Surr)	174	8.955	8.955	-0.001	91	338410	25.7	
10 Dichlorodifluoromethane	85		0.998				ND	
12 Chloromethane	50		1.138				ND	
13 Vinyl chloride	62		1.211				ND	
14 Bromomethane	94		1.460				ND	
15 Chloroethane	64		1.503				ND	
17 Trichlorofluoromethane	101		1.698				ND	
22 1,1-Dichloroethene	96		2.099				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.105				ND	
23 Acetone	43	2.215	2.209	0.000	83	8899	1.77	a
26 Carbon disulfide	76		2.282				ND	
27 Methyl acetate	43		2.489				ND	
30 Methylene Chloride	84		2.580				ND	
32 Methyl tert-butyl ether	73		2.781				ND	
34 trans-1,2-Dichloroethene	96		2.787				ND	
39 1,1-Dichloroethane	63		3.188				ND	
45 cis-1,2-Dichloroethene	96		3.724				ND	
43 2-Butanone (MEK)	43		3.772				ND	
50 Chloroform	83	4.034	4.046	-0.006	17	6966	0.3524	
51 1,1,1-Trichloroethane	97		4.131				ND	
52 Cyclohexane	56		4.131				ND	
55 Carbon tetrachloride	117		4.265				ND	
57 Benzene	78		4.478				ND	
58 1,2-Dichloroethane	62		4.557				ND	
62 Trichloroethene	95		5.086				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.190				ND	
65 1,2-Dichloropropane	63		5.324				ND	
68 Dichlorobromomethane	83		5.622				ND	
72 cis-1,3-Dichloropropene	75		6.029				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.187				ND	
74 Toluene	92		6.303				ND	
77 trans-1,3-Dichloropropene	75		6.601				ND	
79 1,1,2-Trichloroethane	83		6.784				ND	
81 Tetrachloroethene	166		6.826				ND	
80 2-Hexanone	43		7.021				ND	
83 Chlorodibromomethane	129		7.167				ND	
84 Ethylene Dibromide	107		7.252				ND	
87 Chlorobenzene	112		7.733				ND	
88 Ethylbenzene	91	7.836	7.836	0.006	1	4051	0.0800	a
90 m-Xylene & p-Xylene	106	7.952	7.951	0.000	96	28529	1.47	
91 o-Xylene	106	8.371	8.371	0.000	97	194089	9.74	
92 Styrene	104		8.408				ND	U
95 Bromoform	173		8.645				ND	
94 Isopropylbenzene	105	8.761	8.761	0.000	87	37909	0.6903	
97 1,1,2,2-Tetrachloroethane	83		9.193				ND	
99 N-Propylbenzene	91	9.205	9.205	0.000	83	26971	0.4113	
102 1,3,5-Trimethylbenzene	105	9.399	9.399	-0.001	93	1170336	24.1	
107 1,2,4-Trimethylbenzene	105	9.789	9.789	0.000	98	1423728	29.2	
111 1,3-Dichlorobenzene	146		10.081				ND	
113 1,4-Dichlorobenzene	146		10.172				ND	
116 1,2-Dichlorobenzene	146		10.531				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.291				ND	
119 1,2,4-Trichlorobenzene	180		11.967				ND	
S 124 Xylenes, Total	1				0		11.2	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

S_8260_IS_00383	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00475	Amount Added:	1.00	Units: uL	Run Reagent

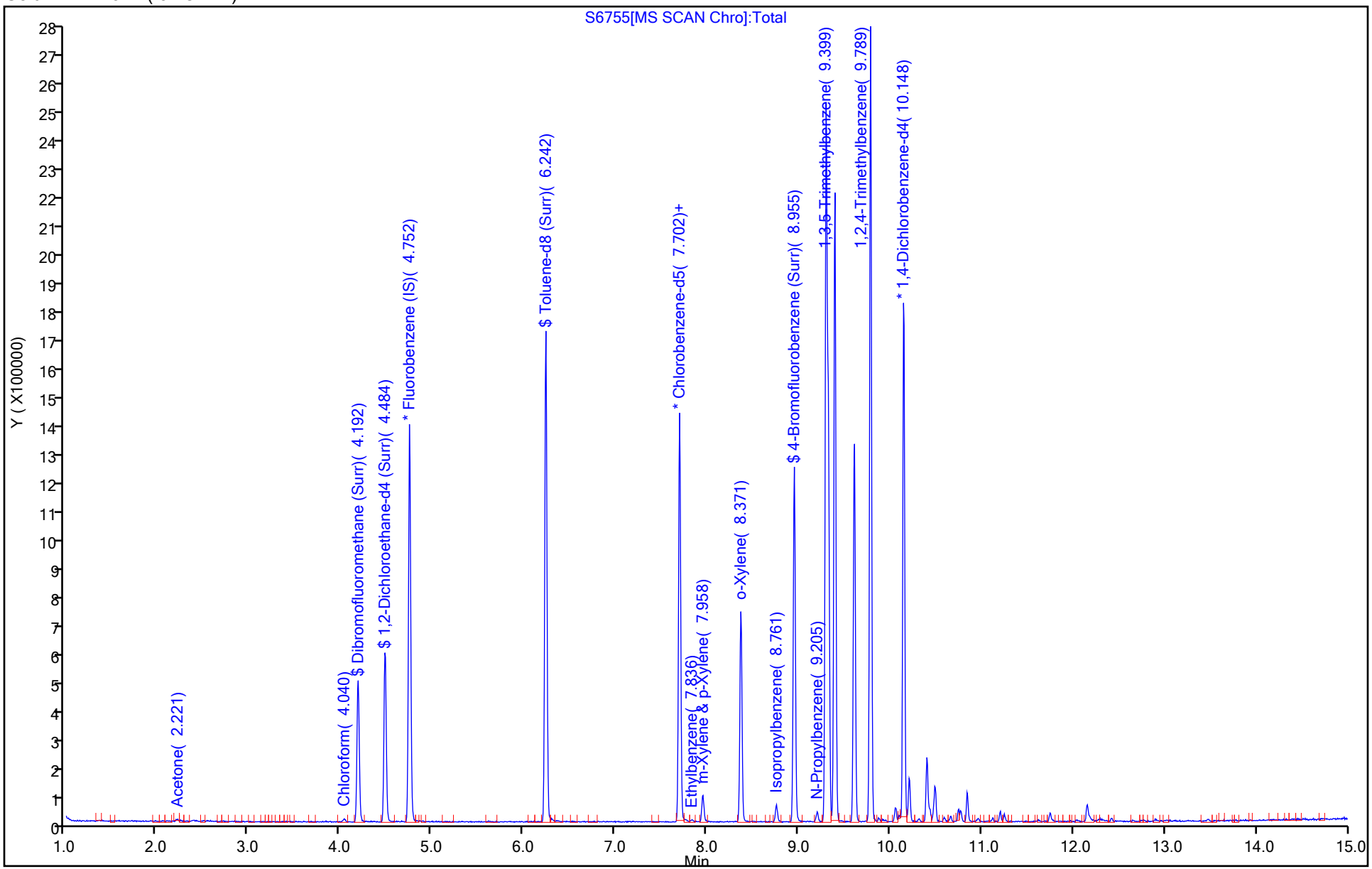
Report Date: 27-Mar-2024 09:15:24 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6755.d

Injection Date:	26-Mar-2024 16:05:30	Instrument ID:	HP5973S	Operator ID:	ZN/RS
Lims ID:	480-218035-B-10	Lab Sample ID:	480-218035-10	Worklist Smp#:	10
Client ID:	IW-3				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6755.d
Lims ID: 480-218035-B-10
Client ID: IW-3
Sample Type: Client
Inject. Date: 26-Mar-2024 16:05:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-218035-B-10
Misc. Info.: 480-0116943-010
Operator ID: ZN/RS Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Mar-2024 09:12:53 Calib Date: 26-Mar-2024 05:09:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6740.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: MHM2 Date: 27-Mar-2024 08:38:41

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	26.2	104.81
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.7	102.90
$ 5 Toluene-d8 (Surr)	25.0	26.4	105.69
$ 6 4-Bromofluorobenzene (Surr)	25.0	25.7	102.99

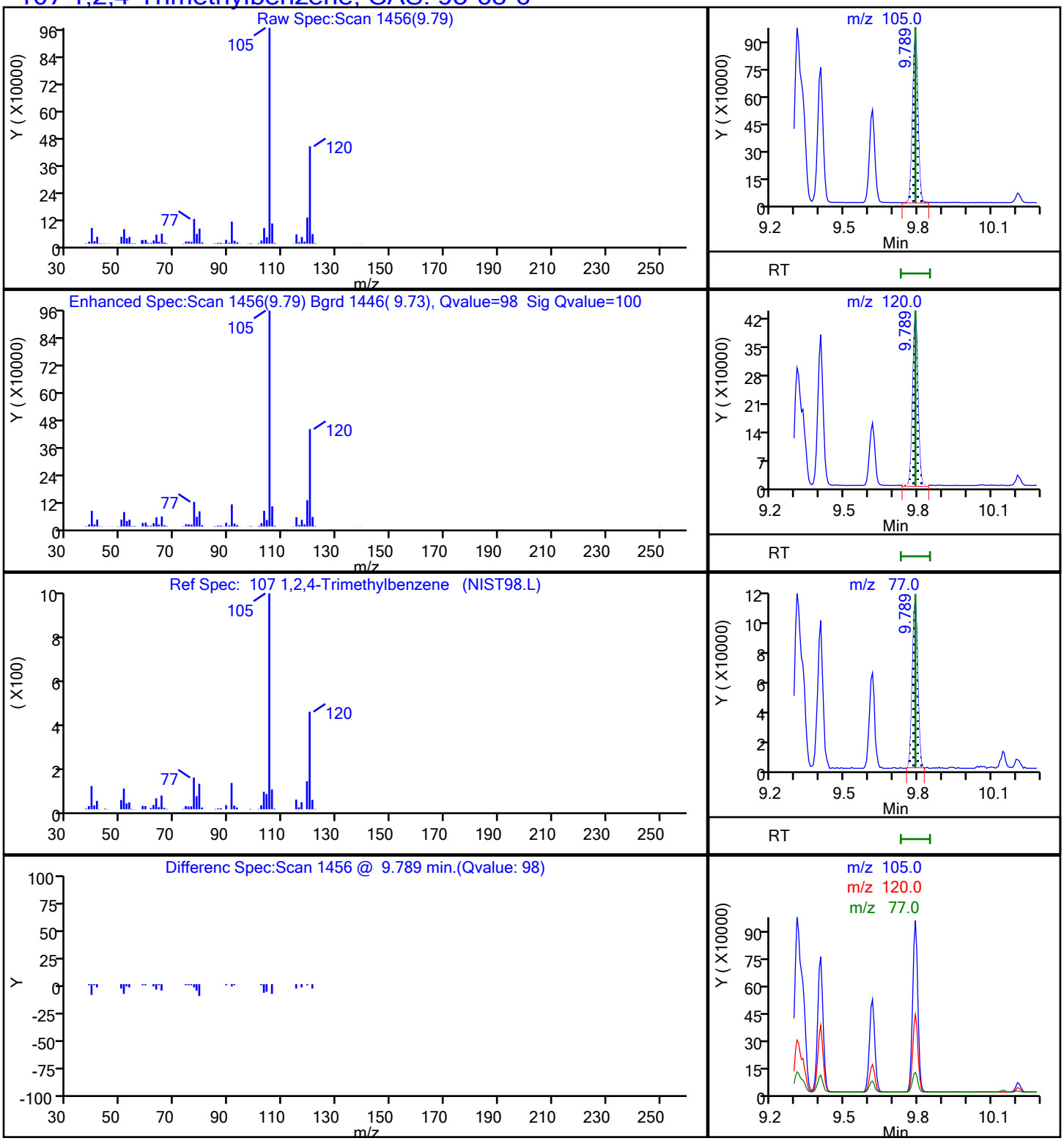
Report Date: 27-Mar-2024 09:15:24 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6755.d

Injection Date:	26-Mar-2024 16:05:30	Instrument ID:	HP5973S		
Lims ID:	480-218035-B-10	Lab Sample ID:	480-218035-10		
Client ID:	IW-3				
Operator ID:	ZN/RS	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

107 1,2,4-Trimethylbenzene, CAS: 95-63-6



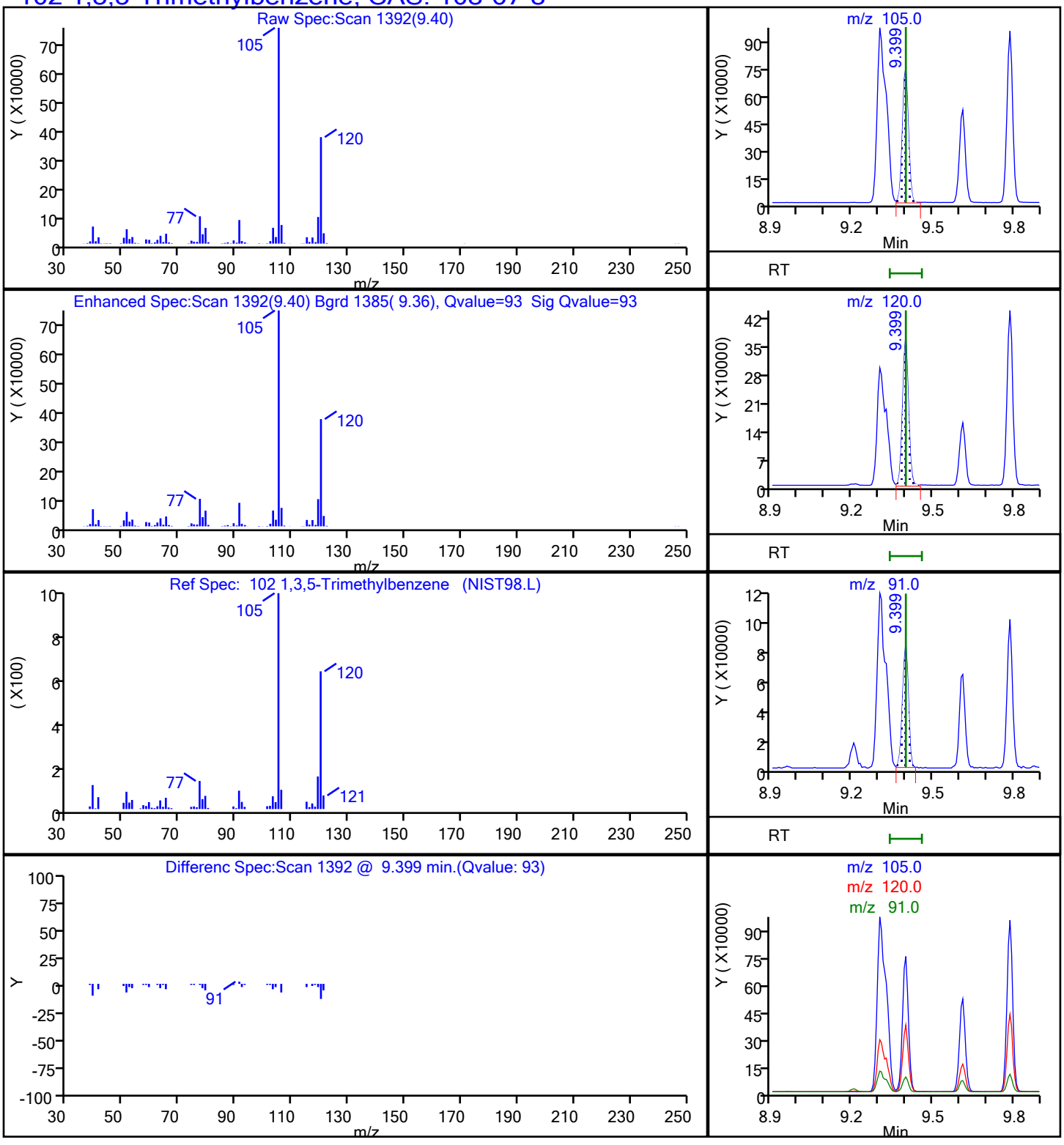
Report Date: 27-Mar-2024 09:15:24 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6755.d

Injection Date:	26-Mar-2024 16:05:30	Instrument ID:	HP5973S		
Lims ID:	480-218035-B-10	Lab Sample ID:	480-218035-10		
Client ID:	IW-3				
Operator ID:	ZN/RS	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

102 1,3,5-Trimethylbenzene, CAS: 108-67-8



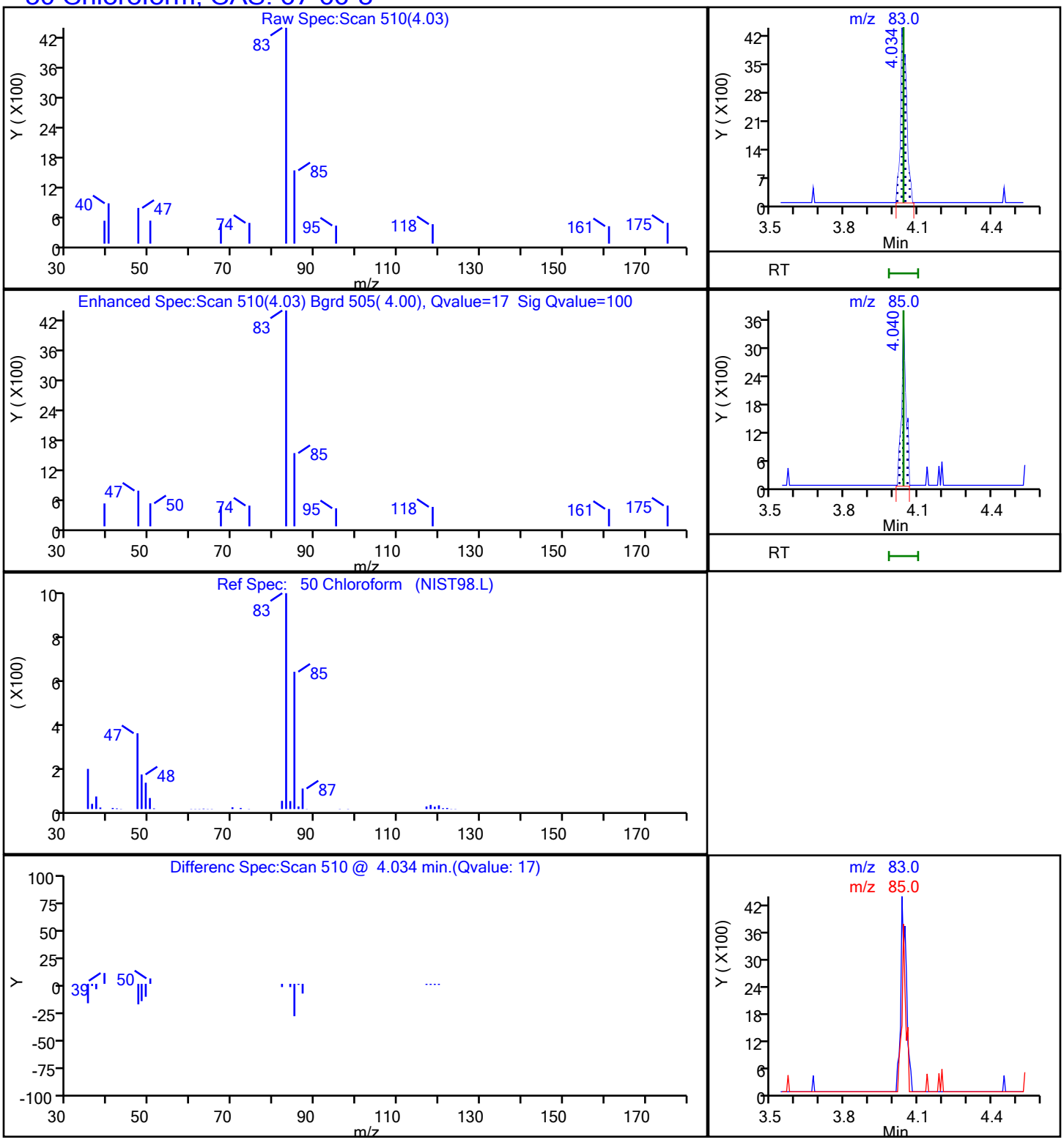
Report Date: 27-Mar-2024 09:15:24 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6755.d

Injection Date:	26-Mar-2024 16:05:30	Instrument ID:	HP5973S		
Lims ID:	480-218035-B-10	Lab Sample ID:	480-218035-10		
Client ID:	IW-3				
Operator ID:	ZN/RS	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

50 Chloroform, CAS: 67-66-3

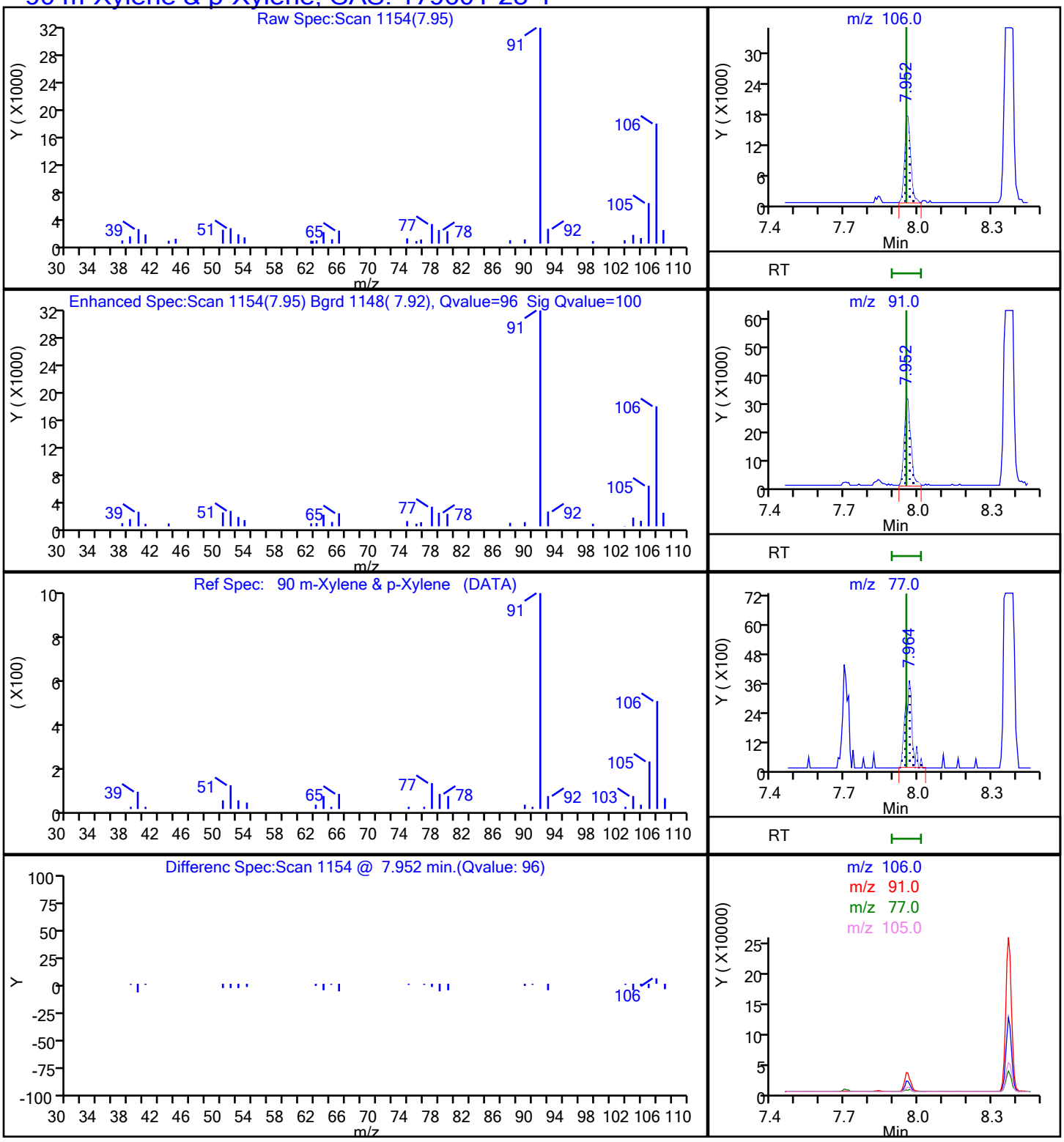


Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6755.d

Injection Date:	26-Mar-2024 16:05:30	Instrument ID:	HP5973S		
Lims ID:	480-218035-B-10	Lab Sample ID:	480-218035-10		
Client ID:	IW-3				
Operator ID:	ZN/RS	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

90 m-Xylene & p-Xylene, CAS: 179601-23-1



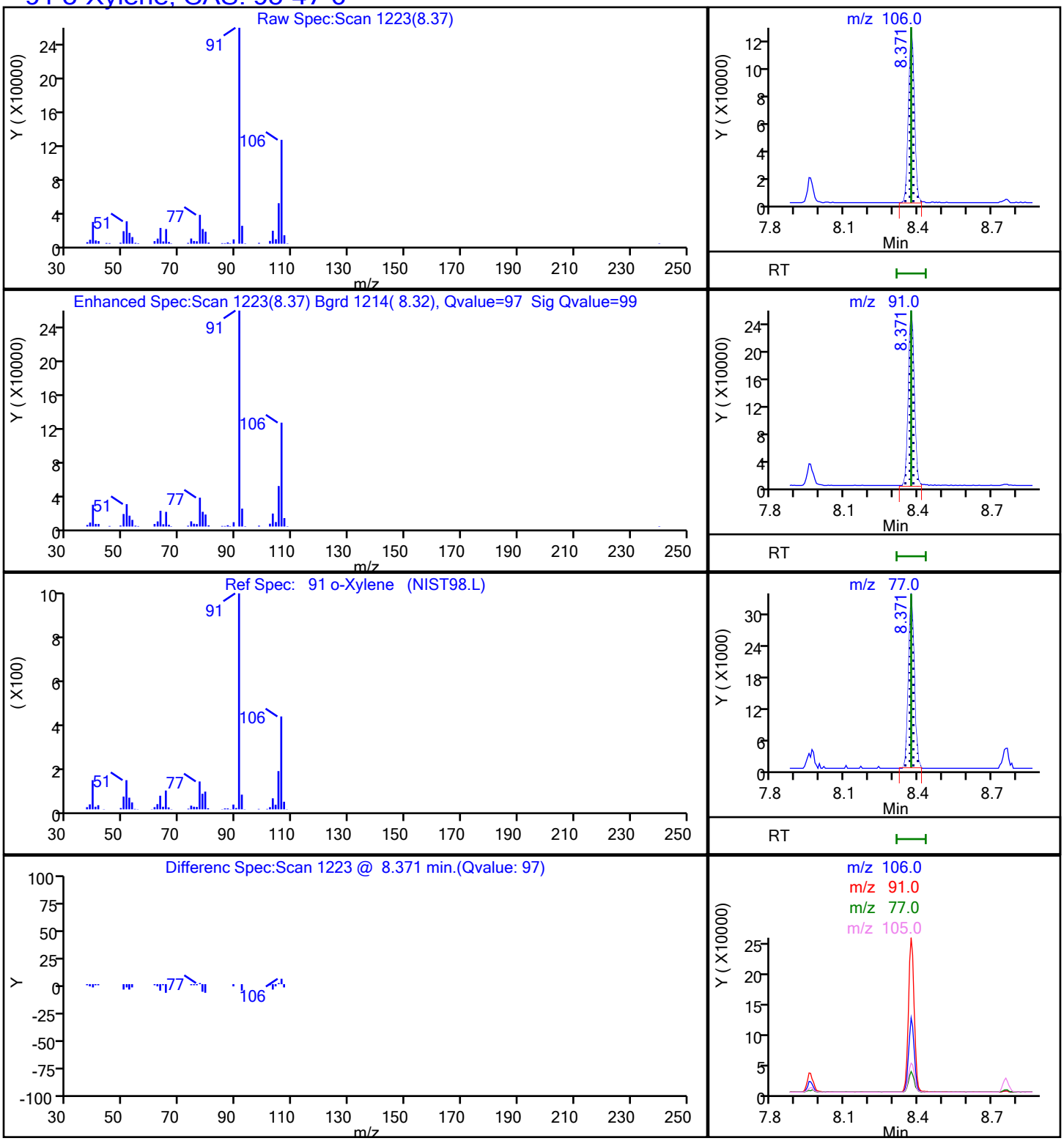
Report Date: 27-Mar-2024 09:15:24 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6755.d

Injection Date:	26-Mar-2024 16:05:30	Instrument ID:	HP5973S		
Lims ID:	480-218035-B-10	Lab Sample ID:	480-218035-10		
Client ID:	IW-3				
Operator ID:	ZN/RS	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

91 o-Xylene, CAS: 95-47-6



Manual Integration/User Assign Peak Report

Eurofins Buffalo

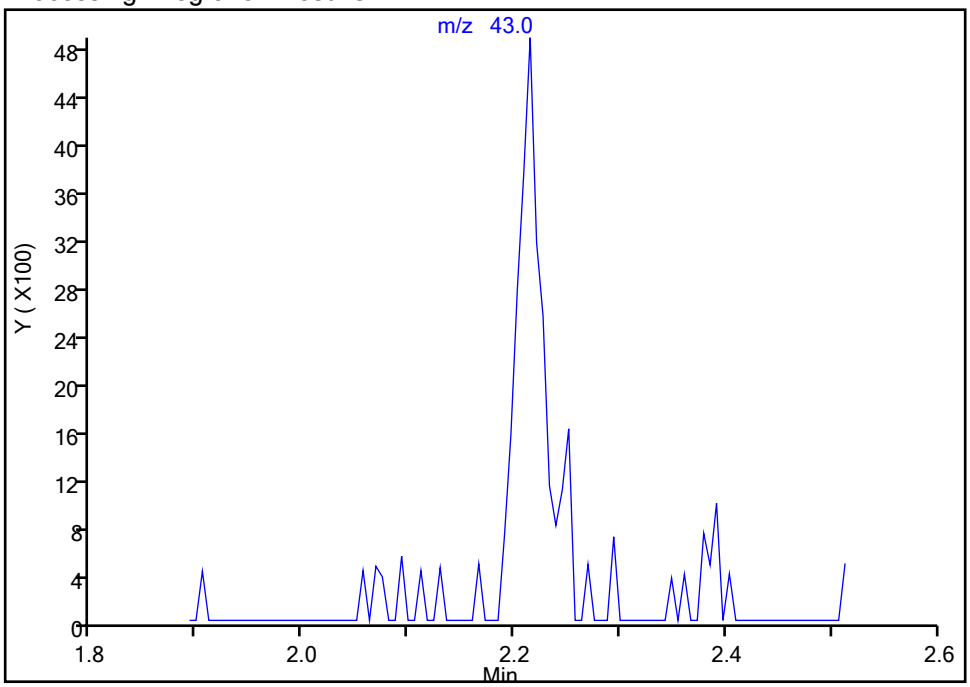
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6755.d				
Injection Date:	26-Mar-2024 16:05:30	Instrument ID:	HP5973S		
Lims ID:	480-218035-B-10	Lab Sample ID:	480-218035-10		
Client ID:	IW-3				
Operator ID:	ZN/RS	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

23 Acetone, CAS: 67-64-1

Signal: 1

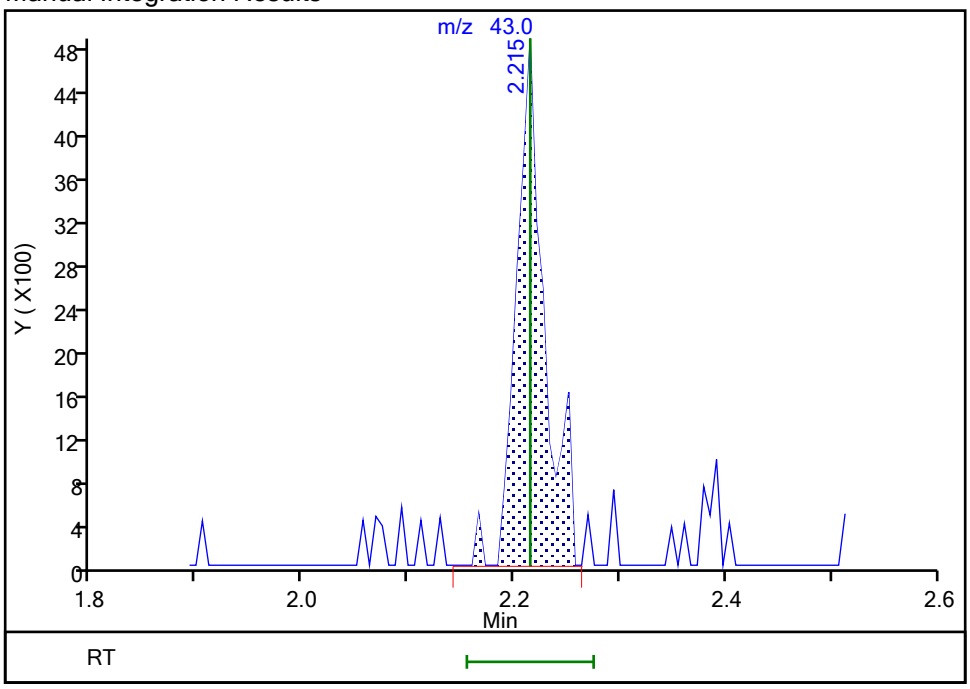
Not Detected
Expected RT: 2.21

Processing Integration Results



Manual Integration Results

RT: 2.21
Area: 8899
Amount: 1.769747
Amount Units: ug/L



Reviewer: MHM2, 27-Mar-2024 08:34:31 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

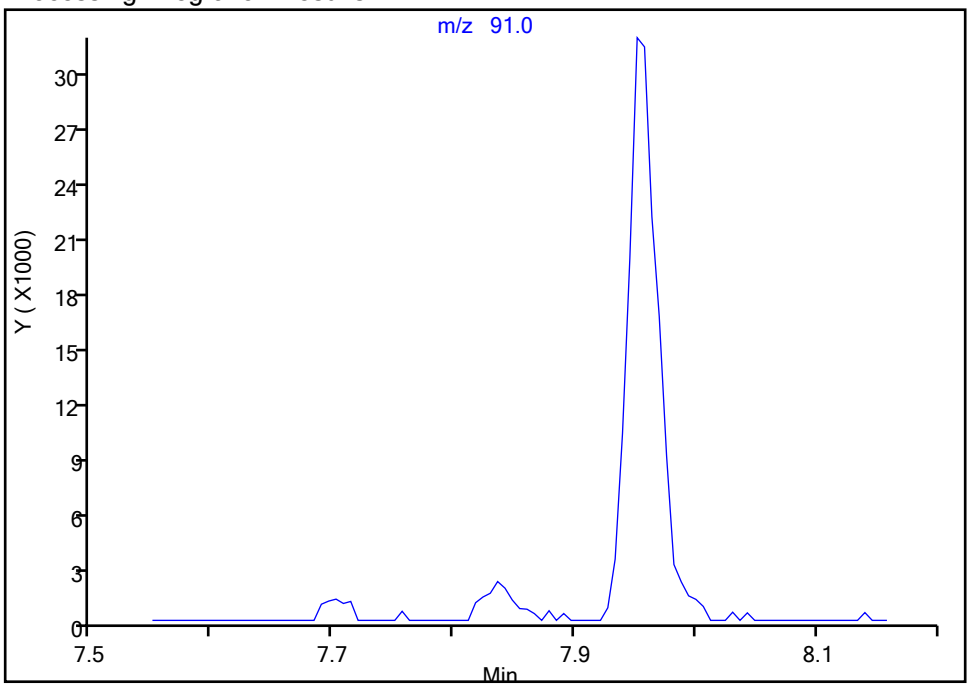
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6755.d				
Injection Date:	26-Mar-2024 16:05:30	Instrument ID:	HP5973S		
Lims ID:	480-218035-B-10	Lab Sample ID:	480-218035-10		
Client ID:	IW-3				
Operator ID:	ZN/RS	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

88 Ethylbenzene, CAS: 100-41-4

Signal: 1

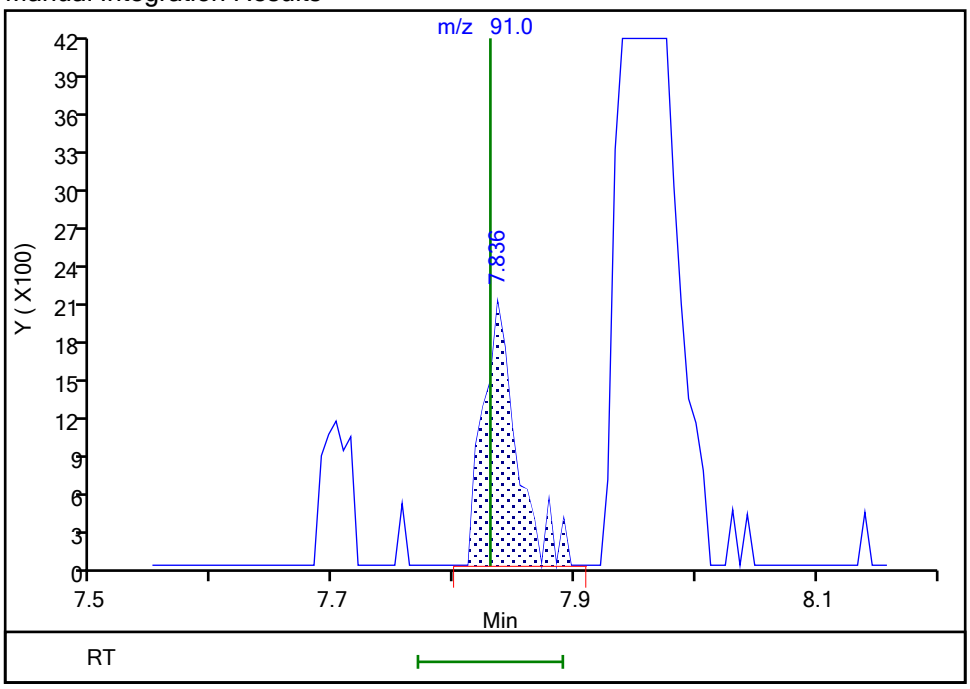
Processing Integration Results

Not Detected
Expected RT: 7.83



Manual Integration Results

RT: 7.84
Area: 4051
Amount: 0.079997
Amount Units: ug/L



Reviewer: MHM2, 27-Mar-2024 08:36:24 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

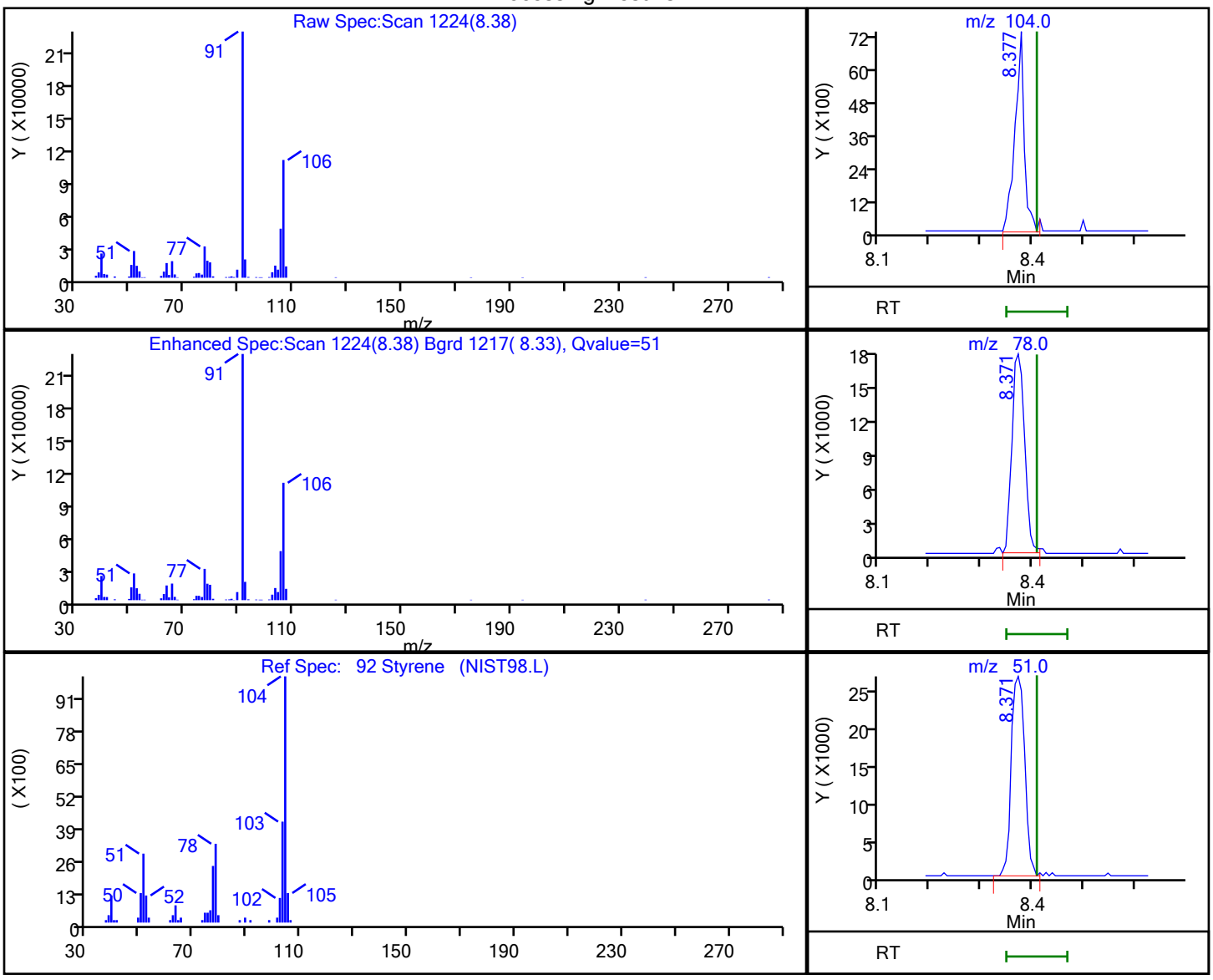
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6755.d				
Injection Date:	26-Mar-2024 16:05:30	Instrument ID:	HP5973S		
Lims ID:	480-218035-B-10	Lab Sample ID:	480-218035-10		
Client ID:	IW-3				
Operator ID:	ZN/RS	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

92 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
8.38	104.00	9389	0.297958
8.37	78.00	30159	
8.37	51.00	48358	

Reviewer: MHM2, 27-Mar-2024 08:37:58 -04:00:00 (UTC)

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: TRIP BLANK-20240319 | Lab Sample ID: 480-218035-11

Matrix: Water | Lab File ID: K3171.D

Analysis Method: 8260C | Date Collected: 03/18/2024 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 03/23/2024 08:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704785 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND	*+	1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND	*+	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: TRIP BLANK-20240319 | Lab Sample ID: 480-218035-11

Matrix: Water | Lab File ID: K3171.D

Analysis Method: 8260C | Date Collected: 03/18/2024 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 03/23/2024 08:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704785 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
103-65-1	N-Propylbenzene	ND		1.0	0.69
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	90		73-120
1868-53-7	Dibromofluoromethane (Surr)	94		75-123
2037-26-5	Toluene-d8 (Surr)	91		80-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K3171.D
Lims ID: 480-218035-A-11
Client ID: TRIP BLANK-20240319
Sample Type: Client
Inject. Date: 23-Mar-2024 08:04:55 ALS Bottle#: 0 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-218035-A-11
Misc. Info.: 480-0116903-028
Operator ID: LH Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Mar-2024 11:50:17 Calib Date: 13-Mar-2024 02:41:36
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2849.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: WLL8 Date: 25-Mar-2024 11:51:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.340	5.340	0.000	98	138899	25.0	
* 2 Chlorobenzene-d5	117	8.330	8.327	0.003	88	522595	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	97	252372	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.739	4.739	0.000	92	183886	23.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.044	5.044	0.000	97	222615	25.2	
$ 6 Toluene-d8 (Surr)	98	6.857	6.854	0.003	95	599093	22.8	
$ 7 4-Bromofluorobenzene (Surr)	174	9.581	9.578	0.003	94	179330	22.4	
11 Dichlorodifluoromethane	85		1.170				ND	
13 Chloromethane	50		1.337				ND	7
14 Vinyl chloride	62		1.427				ND	
15 Bromomethane	94		1.739				ND	
16 Chloroethane	64		1.822				ND	
17 Trichlorofluoromethane	101		2.064				ND	
22 1,1-Dichloroethene	96		2.562				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.572				ND	
23 Acetone	43	2.671	2.652	0.019	93	3937	0.9613	
25 Carbon disulfide	76		2.758				ND	
28 Methyl acetate	43		2.967				ND	
30 Methylene Chloride	84		3.060				ND	
33 Methyl tert-butyl ether	73		3.301				ND	
32 trans-1,2-Dichloroethene	96		3.308				ND	
36 1,1-Dichloroethane	63		3.716				ND	
43 cis-1,2-Dichloroethene	96		4.276				ND	
44 2-Butanone (MEK)	43		4.298				ND	
50 Chloroform	83		4.584				ND	
51 1,1,1-Trichloroethane	97		4.719				ND	
52 Cyclohexane	56		4.752				ND	
53 Carbon tetrachloride	117		4.867				ND	
55 Benzene	78		5.070				ND	
57 1,2-Dichloroethane	62		5.115				ND	
60 Trichloroethene	95		5.687				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.832				ND	
63 1,2-Dichloropropane	63		5.906				ND	
67 Dichlorobromomethane	83		6.192				ND	
71 cis-1,3-Dichloropropene	75		6.616				ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.758				ND	
73 Toluene	92		6.919				ND	
75 trans-1,3-Dichloropropene	75		7.176				ND	
78 1,1,2-Trichloroethane	83		7.359				ND	
79 Tetrachloroethene	166		7.465				ND	
81 2-Hexanone	43		7.597				ND	
82 Chlorodibromomethane	129		7.761				ND	
83 Ethylene Dibromide	107		7.864				ND	
86 Chlorobenzene	112		8.356				ND	
88 Ethylbenzene	91		8.459				ND	
90 m-Xylene & p-Xylene	106		8.581				ND	
91 o-Xylene	106		9.005				ND	
92 Styrene	104		9.028				ND	
93 Bromoform	173		9.253				ND	
95 Isopropylbenzene	105		9.395				ND	
98 1,1,2,2-Tetrachloroethane	83		9.764				ND	
99 N-Propylbenzene	91		9.825				ND	
104 1,3,5-Trimethylbenzene	105		10.005				ND	
107 1,2,4-Trimethylbenzene	105		10.375				ND	
110 1,3-Dichlorobenzene	146		10.658				ND	
113 1,4-Dichlorobenzene	146		10.745				ND	
116 1,2-Dichlorobenzene	146		11.092				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.806				ND	
119 1,2,4-Trichlorobenzene	180		12.501				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

K WATER IS/SS_00012 Amount Added: 5.00 Units: uL Run Reagent

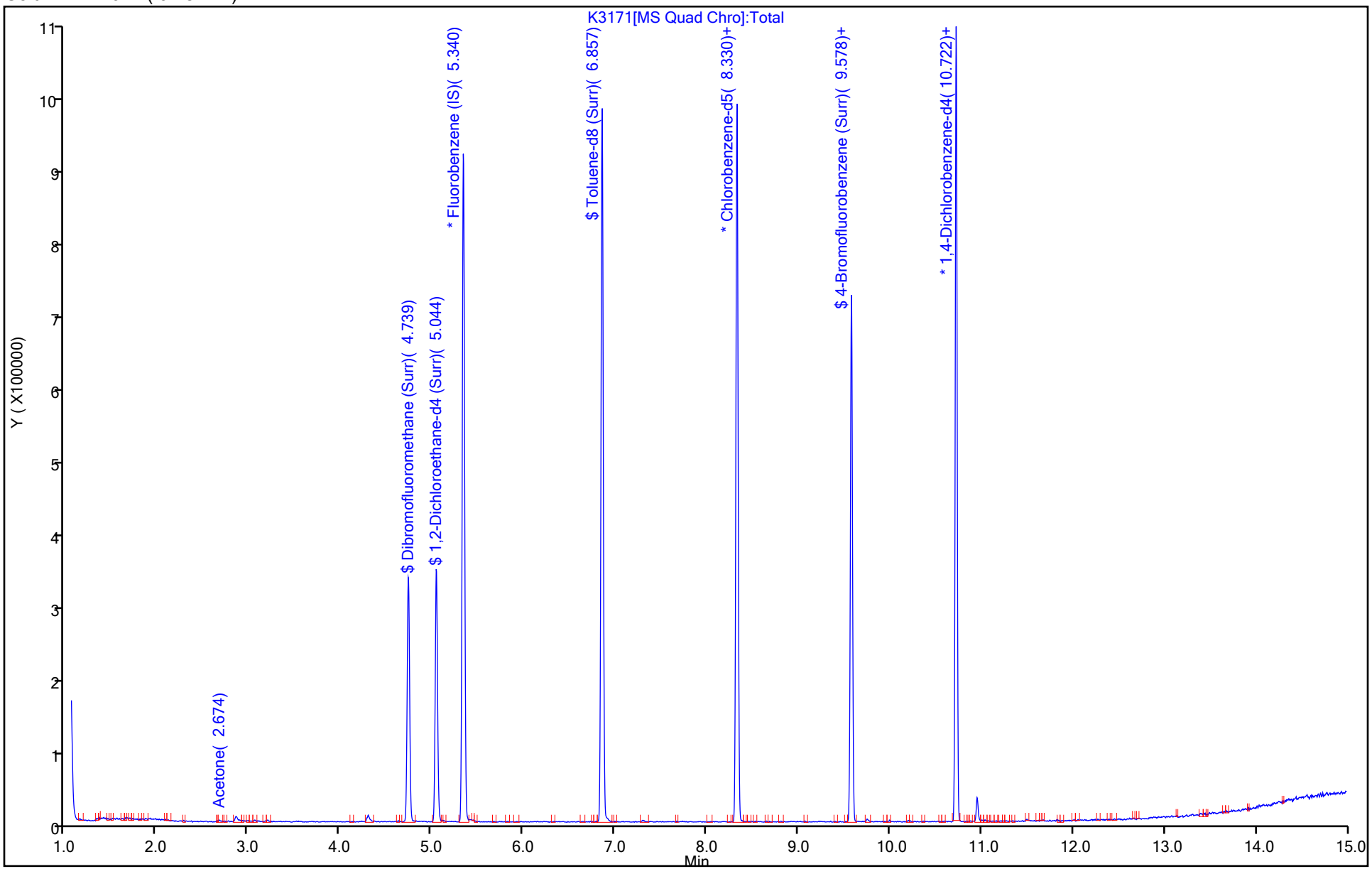
Report Date: 25-Mar-2024 11:51:34 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K3171.D

Injection Date:	23-Mar-2024 08:04:55	Instrument ID:	HP5977K	Operator ID:	LH
Lims ID:	480-218035-A-11	Lab Sample ID:	480-218035-11	Worklist Smp#:	28
Client ID:	TRIP BLANK-20240319				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K3171.D
Lims ID: 480-218035-A-11
Client ID: TRIP BLANK-20240319
Sample Type: Client
Inject. Date: 23-Mar-2024 08:04:55 ALS Bottle#: 0 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-218035-A-11
Misc. Info.: 480-0116903-028
Operator ID: LH Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Mar-2024 11:50:17 Calib Date: 13-Mar-2024 02:41:36
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2849.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: WLL8 Date: 25-Mar-2024 11:51:33

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	23.4	93.63
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.2	100.77
$ 6 Toluene-d8 (Surr)	25.0	22.8	91.03
$ 7 4-Bromofluorobenzene (Surr)	25.0	22.4	89.77

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: VRI-10 | Lab Sample ID: 480-218035-12

Matrix: Water | Lab File ID: K3172.D

Analysis Method: 8260C | Date Collected: 03/19/2024 15:57

Sample wt/vol: 5(mL) | Date Analyzed: 03/23/2024 08:27

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704785 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND	*+	1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND	*+	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	0.53	J	1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: VRI-10 | Lab Sample ID: 480-218035-12

Matrix: Water | Lab File ID: K3172.D

Analysis Method: 8260C | Date Collected: 03/19/2024 15:57

Sample wt/vol: 5(mL) | Date Analyzed: 03/23/2024 08:27

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704785 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
103-65-1	N-Propylbenzene	ND		1.0	0.69
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	89		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K3172.D
Lims ID: 480-218035-B-12
Client ID: VRI-10
Sample Type: Client
Inject. Date: 23-Mar-2024 08:27:25 ALS Bottle#: 0 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-218035-B-12
Misc. Info.: 480-0116903-029
Operator ID: LH Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Mar-2024 11:51:57 Calib Date: 13-Mar-2024 02:41:36
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2849.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: WLL8 Date: 25-Mar-2024 11:51:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.343	5.340	0.003	98	134826	25.0	
* 2 Chlorobenzene-d5	117	8.330	8.327	0.003	89	473135	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.723	10.722	0.001	97	229411	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.742	4.739	0.003	92	176896	23.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.047	5.044	0.003	98	203505	23.7	
$ 6 Toluene-d8 (Surr)	98	6.858	6.854	0.004	94	562488	23.6	
$ 7 4-Bromofluorobenzene (Surr)	174	9.581	9.578	0.003	87	160779	22.2	
11 Dichlorodifluoromethane	85		1.170				ND	
13 Chloromethane	50		1.337				ND	
14 Vinyl chloride	62		1.427				ND	
15 Bromomethane	94		1.739				ND	
16 Chloroethane	64		1.822				ND	
17 Trichlorofluoromethane	101		2.064				ND	
22 1,1-Dichloroethene	96		2.562				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.572				ND	
23 Acetone	43		2.652				ND	U
25 Carbon disulfide	76		2.758				ND	
28 Methyl acetate	43		2.967				ND	
30 Methylene Chloride	84		3.060				ND	
33 Methyl tert-butyl ether	73		3.301				ND	
32 trans-1,2-Dichloroethene	96		3.308				ND	
36 1,1-Dichloroethane	63		3.716				ND	
43 cis-1,2-Dichloroethene	96		4.276				ND	
44 2-Butanone (MEK)	43		4.298				ND	
50 Chloroform	83	4.591	4.584	0.007	95	8014	0.5271	
51 1,1,1-Trichloroethane	97		4.719				ND	
52 Cyclohexane	56		4.752				ND	
53 Carbon tetrachloride	117		4.867				ND	
55 Benzene	78		5.070				ND	
57 1,2-Dichloroethane	62		5.115				ND	
60 Trichloroethene	95		5.687				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.832				ND	
63 1,2-Dichloropropane	63		5.906				ND	
67 Dichlorobromomethane	83	6.202	6.192	0.010	85	1504	0.1579	
71 cis-1,3-Dichloropropene	75		6.616				ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.758				ND	
73 Toluene	92		6.919				ND	
75 trans-1,3-Dichloropropene	75		7.176				ND	
78 1,1,2-Trichloroethane	83		7.359				ND	
79 Tetrachloroethene	166		7.465				ND	
81 2-Hexanone	43		7.597				ND	
82 Chlorodibromomethane	129		7.761				ND	
83 Ethylene Dibromide	107		7.864				ND	
86 Chlorobenzene	112		8.356				ND	
88 Ethylbenzene	91		8.459				ND	
90 m-Xylene & p-Xylene	106		8.581				ND	
91 o-Xylene	106		9.005				ND	
92 Styrene	104		9.028				ND	
93 Bromoform	173		9.253				ND	
95 Isopropylbenzene	105		9.395				ND	
98 1,1,2,2-Tetrachloroethane	83		9.764				ND	
99 N-Propylbenzene	91		9.825				ND	
104 1,3,5-Trimethylbenzene	105		10.005				ND	
107 1,2,4-Trimethylbenzene	105		10.375				ND	
110 1,3-Dichlorobenzene	146		10.658				ND	
113 1,4-Dichlorobenzene	146		10.745				ND	7
116 1,2-Dichlorobenzene	146		11.092				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.806				ND	
119 1,2,4-Trichlorobenzene	180		12.501				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

K WATER IS/SS_00012 Amount Added: 5.00 Units: uL Run Reagent

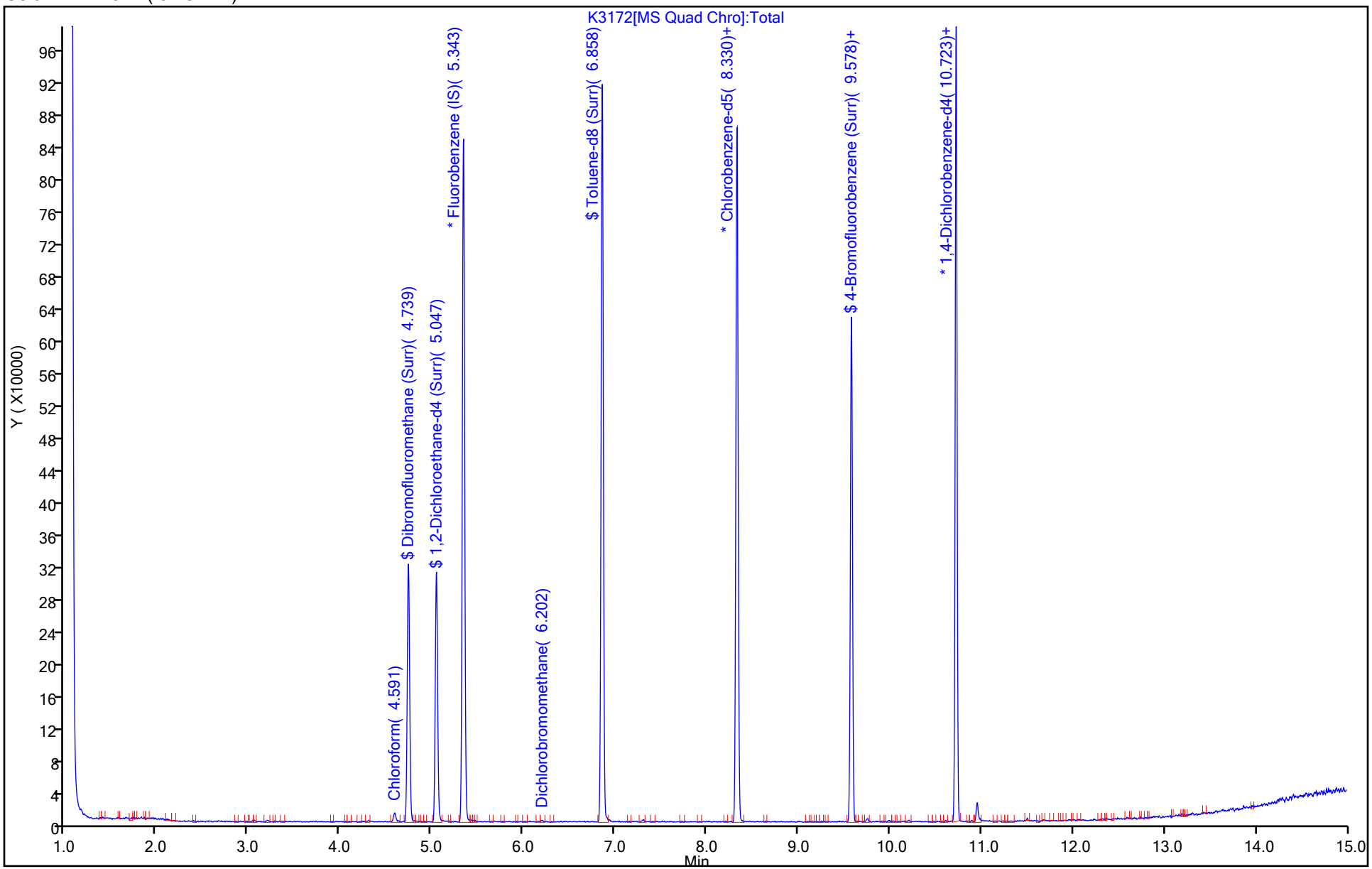
Report Date: 25-Mar-2024 11:51:57 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K3172.D

Injection Date:	23-Mar-2024 08:27:25	Instrument ID:	HP5977K	Operator ID:	LH
Lims ID:	480-218035-B-12	Lab Sample ID:	480-218035-12	Worklist Smp#:	29
Client ID:	VRI-10				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K3172.D
Lims ID: 480-218035-B-12
Client ID: VRI-10
Sample Type: Client
Inject. Date: 23-Mar-2024 08:27:25 ALS Bottle#: 0 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-218035-B-12
Misc. Info.: 480-0116903-029
Operator ID: LH Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Mar-2024 11:51:57 Calib Date: 13-Mar-2024 02:41:36
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2849.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: WLL8 Date: 25-Mar-2024 11:51:57

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	23.2	92.79
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	23.7	94.90
$ 6 Toluene-d8 (Surr)	25.0	23.6	94.40
$ 7 4-Bromofluorobenzene (Surr)	25.0	22.2	88.89

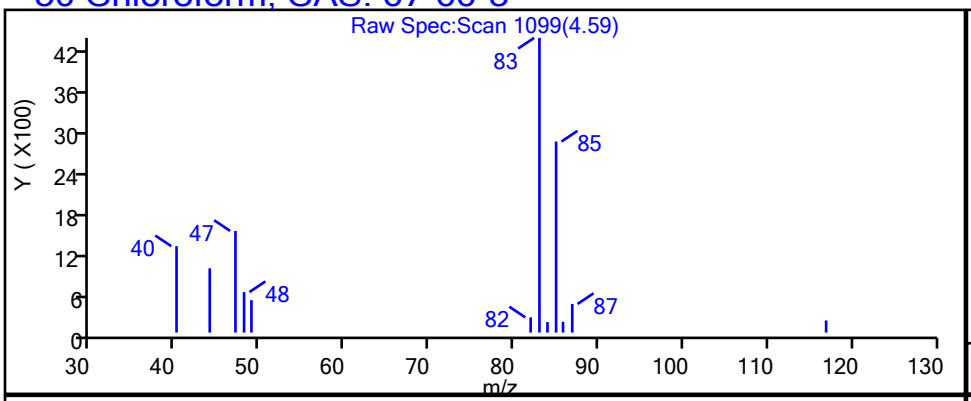
Report Date: 25-Mar-2024 11:51:57 Chrom Revision: 2.3 23-Feb-2024 16:51:14

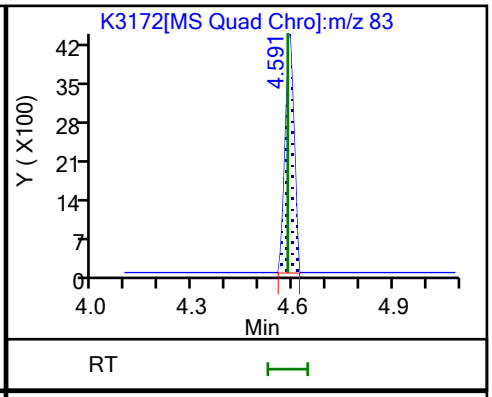
Eurofins Buffalo

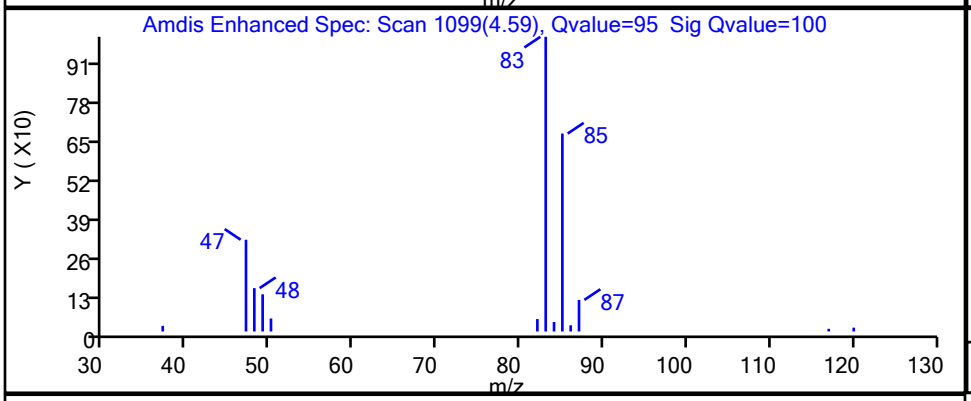
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K3172.D

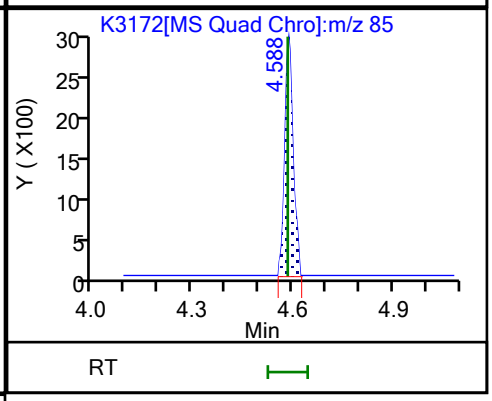
Injection Date:	23-Mar-2024 08:27:25	Instrument ID:	HP5977K		
Lims ID:	480-218035-B-12	Lab Sample ID:	480-218035-12		
Client ID:	VRI-10				
Operator ID:	LH	ALS Bottle#:	0	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

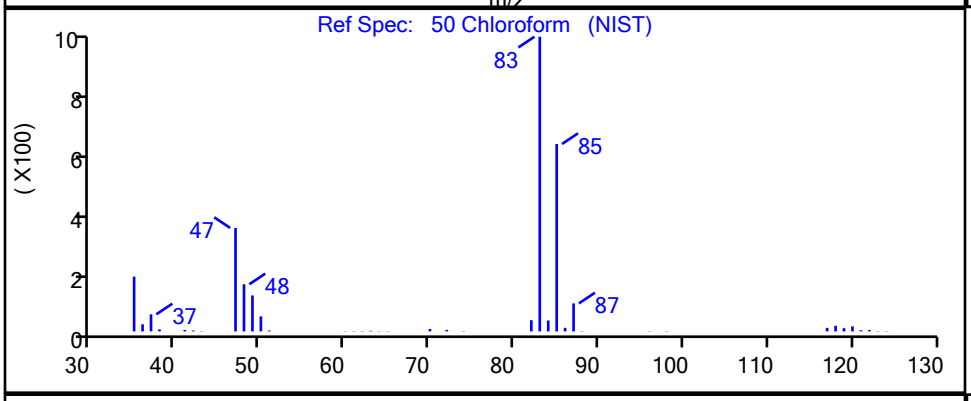
50 Chloroform, CAS: 67-66-3

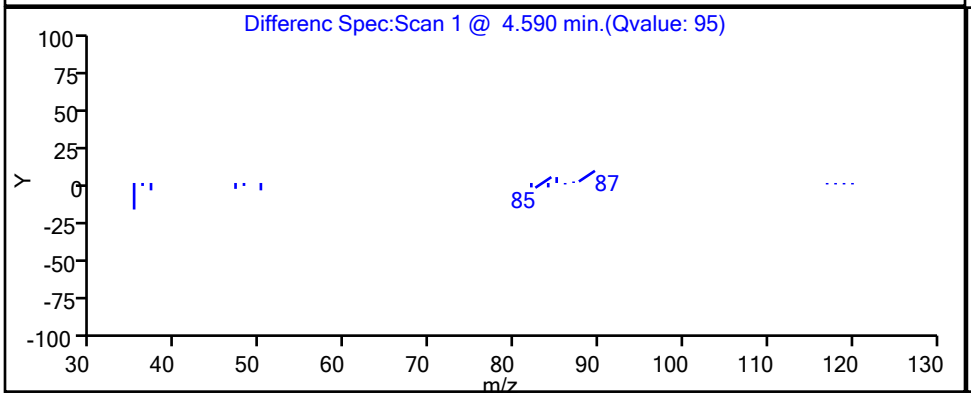


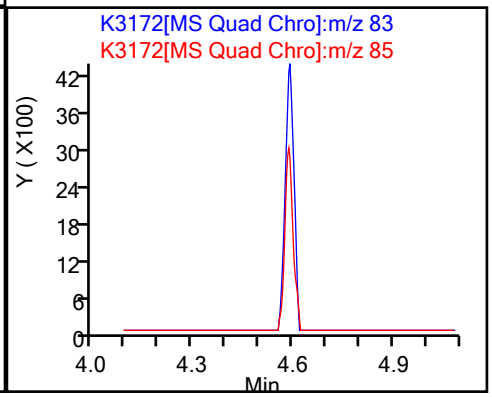












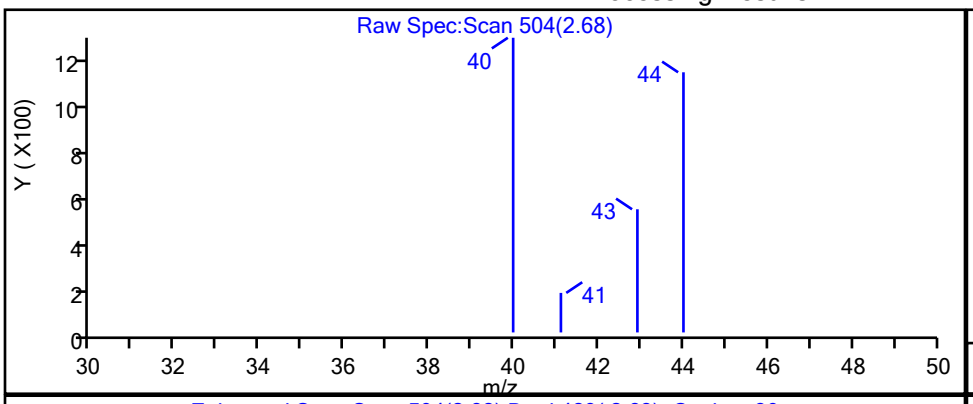
User Disabled Compound Report

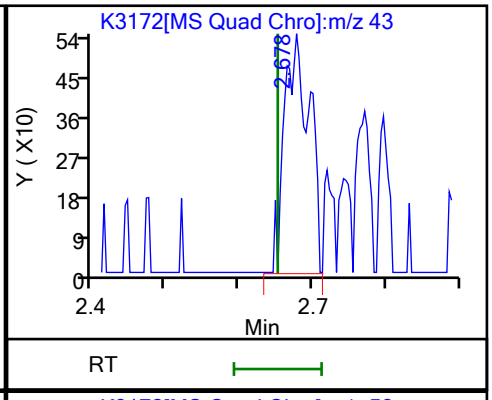
Eurofins Buffalo

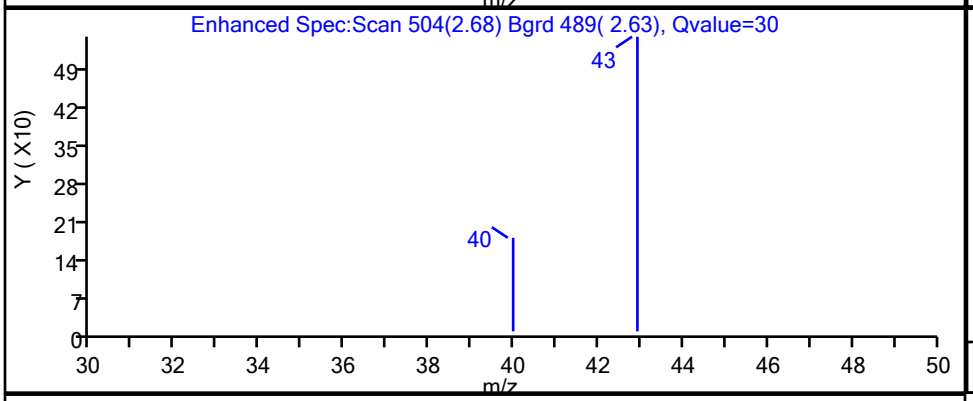
Data File:	\\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K3172.D				
Injection Date:	23-Mar-2024 08:27:25	Instrument ID:	HP5977K		
Lims ID:	480-218035-B-12	Lab Sample ID:	480-218035-12		
Client ID:	VRI-10				
Operator ID:	LH	ALS Bottle#:	0	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

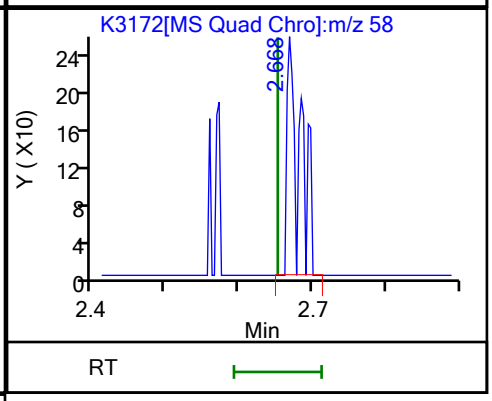
23 Acetone, CAS: 67-64-1

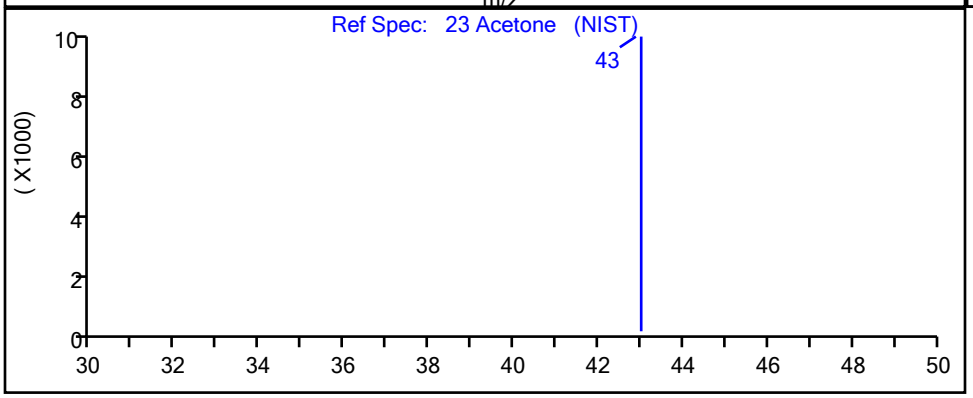
Processing Results











RT	Mass	Response	Amount
2.68	43.00	1280	0.321965
2.67	58.00	325	

Reviewer: WLL8, 25-Mar-2024 11:51:44 -04:00:00 (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 Buffalo Job No.: 480-218035-1 Analy Batch No.: 703408

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 15:37 Calibration End Date: 03/12/2024 18:15 Calibration ID: 46214

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-703408/11	N5481.d
Level 2	IC 480-703408/12	N5482.d
Level 3	IC 480-703408/13	N5483.d
Level 4	IC 480-703408/14	N5484.d
Level 5	IC 480-703408/15	N5485.d
Level 6	ICIS 480-703408/16	N5486.d
Level 7	IC 480-703408/17	N5487.d
Level 8	IC 480-703408/18	N5488.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 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	1.1319 1.3772	1.6169 1.4504	1.5400 1.2106	1.2502	1.4558	Ave		1.3791			0.1000	12.2		20.0			
Chloromethane	2.5468 2.3131	2.6602 2.4025	2.8512 2.0410	2.1962	2.5056	Ave		2.4396			0.1000	10.6		20.0			
Vinyl chloride	+++++ 1.3689	1.1247 1.5616	1.5544 1.3098	1.2025	1.4882	Ave		1.3729			0.1000	12.5		20.0			
Butadiene	+++++ 2.2647	2.7428 2.5163	3.0681 2.0412	2.0158	2.6575	Ave		2.4724				15.7		20.0			
Bromomethane	0.9550 0.7990	0.9245 0.9055	1.0611 0.7246	0.9261	0.9665	Ave		0.9078			0.1000	11.4		20.0			
Chloroethane	1.0365 0.9528	0.9153 0.9627	1.2307 0.8373	0.9040	1.0552	Ave		0.9868			0.1000	12.3		20.0			
Trichlorofluoromethane	+++++ 1.7721	1.2688 2.0884	1.6684 1.8032	1.4516	1.8199	Ave		1.6960			0.1000	15.8		20.0			
Dichlorofluoromethane	2.5918 2.5223	2.6003 2.6928	3.1911 2.2362	2.5766	2.7586	Ave		2.6462				10.2		20.0			
Ethyl ether	1.7441 1.6337	1.6271 1.6521	1.7159 1.4271	1.8836	1.6369	Ave		1.6651				7.8		20.0			
Acrolein	+++++ 0.0786	0.0888 0.0769	0.1131 0.0701	0.0914	0.0818	Ave		0.0858				16.3		20.0			
1,1-Dichloroethene	+++++ 1.1322	1.3046 1.2219	1.1032 0.9749	1.2454	1.1517	Ave		1.1620			0.1000	9.3		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.2629	1.1406 1.3518	0.9844 1.0411	1.4099	1.1818	Ave		1.1961			0.1000	13.1		20.0			
Acetone	0.9502 1.0370	1.3518 1.0425	0.8790 0.8763	1.2040	1.0862	Ave		1.0534			0.1000	15.5		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 Buffalo Job No.: 480-218035-1 Analy Batch No.: 703408

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 15:37 Calibration End Date: 03/12/2024 18:15 Calibration ID: 46214

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Iodomethane	1.6407 1.9867	2.2158 2.1699	2.1643 1.7429	2.3964	2.1122	Ave		2.0536				12.3		20.0			
Carbon disulfide	2.8838 3.7641	3.6197 4.1519	3.5804 3.2777	4.2263	3.8756	Ave		3.6724			0.1000	12.1		20.0			
Allyl chloride	2.9546 3.7832	3.4597 3.8763	3.7833 3.2466	4.0528	3.7981	Ave		3.6193				10.2		20.0			
Methyl acetate	2.9102 2.6604	3.1145 2.5574	2.6028 2.4253	2.6590	2.7583	Ave		2.7110			0.1000	8.0		20.0			
Methylene Chloride	+++++ 1.3556	1.8668 1.4264	1.5966 1.1506	1.6359	1.4746	Ave		1.5009			0.1000	15.2		20.0			
2-Methyl-2-propanol	+++++ 0.3048	0.3589 0.3131	0.2175 0.2631	0.3468	0.2873	Ave		0.2988				16.3		20.0			
Methyl tert-butyl ether	4.6789 4.5522	4.6762 4.8706	4.8415 4.1062	5.1379	4.8072	Ave		4.7088			0.1000	6.4		20.0			
trans-1,2-Dichloroethene	1.1517 1.3462	1.4744 1.4047	1.1928 1.1089	1.6177	1.3547	Ave		1.3314			0.1000	13.0		20.0			
Acrylonitrile	1.1904 1.2164	1.4465 1.2106	1.2374 1.0904	1.3606	1.2864	Ave		1.2548				8.7		20.0			
Hexane	+++++ 2.4528	2.0187 2.5643	1.8638 2.1902	2.5410	2.2844	Ave		2.2736				11.7		20.0			
1,1-Dichloroethane	2.3300 2.8020	2.8812 2.8998	2.9997 2.4806	3.0455	3.0123	Ave		2.8064			0.2000	9.4		20.0			
Vinyl acetate	3.1895 4.4202	4.2441 4.2501	3.8318 4.6589	4.0805	4.2769	Ave		4.1190				10.8		20.0			
2,2-Dichloropropane	+++++ 1.4368	1.6546 1.6119	1.4048 1.1564	1.7554	1.4939	Ave		1.5020				13.1		20.0			
cis-1,2-Dichloroethene	1.2215 1.4452	1.4809 1.4584	1.6204 1.2674	1.6526	1.5307	Ave		1.4596			0.1000	10.4		20.0			
2-Butanone (MEK)	1.3845 1.4168	1.6169 1.3638	1.3990 1.4039	1.4411	1.4829	Ave		1.4386			0.1000	5.6		20.0			
Chlorobromomethane	0.8494 0.7476	0.8449 0.7688	0.7408 0.6507	0.8491	0.8540	Ave		0.7882				9.4		20.0			
Tetrahydrofuran	0.9968 1.0841	1.1650 1.0188	1.0187 1.0002	1.1495	1.1552	Ave		1.0735				6.9		20.0			
Chloroform	2.4161 2.4653	2.8487 2.5393	2.3268 2.1663	2.6092	2.5159	Ave		2.4860			0.2000	8.1		20.0			

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

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

Lab Name: Eurofins Buffalo Job No.: 480-218035-1 Analy Batch No.: 703408

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 15:37 Calibration End Date: 03/12/2024 18:15 Calibration ID: 46214

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	+++++ 1.8252	1.5711 2.0189	1.7680 1.6635	2.0937	1.8102	Ave		1.8215			0.1000	10.1		20.0			
Cyclohexane	+++++ 3.1350	2.5442 3.5311	2.6471 2.8368	3.4909	2.9340	Ave		3.0170			0.1000	12.9		20.0			
Carbon tetrachloride	+++++ 1.4555	1.1887 1.7225	1.3399 1.4206	1.8121	1.4654	Ave		1.4864			0.1000	14.5		20.0			
1,1-Dichloropropene	1.1819 1.6712	1.5667 1.6792	1.4862 1.5514	1.6641	1.5819	Ave		1.5478				10.5		20.0			
Benzene	4.4777 4.7316	4.5634 4.7342	4.6554 4.4230	4.9618	4.5985	Ave		4.6432			0.5000	3.7		20.0			
Isobutyl alcohol	+++++ 0.1414	0.1597 0.1520	0.1097 0.1343	0.1482	0.1532	Ave		0.1426				11.7		20.0			
1,2-Dichloroethane	1.8164 2.1462	2.5162 2.0774	2.2477 2.0212	2.0942	2.2407	Ave		2.1450			0.1000	9.5		20.0			
n-Heptane	+++++ 2.6885	2.3280 2.8427	1.9835 2.4836	2.7891	2.7481	Ave		2.5519				12.1		20.0			
Trichloroethene	+++++ 1.1663	1.1415 1.1247	1.1306 1.1086	1.1931	1.1583	Ave		1.1462			0.2000	2.5		20.0			
Methylcyclohexane	+++++ 2.2928	1.4681 2.5027	1.6553 1.9961	2.4440	2.1805	Ave		2.0771			0.1000	18.9		20.0			
1,2-Dichloropropane	0.8998 1.1971	1.1691 1.2475	1.3037 1.2006	1.2933	1.3141	Ave		1.2032			0.1000	11.1		20.0			
Dibromomethane	0.5550 0.7681	0.6448 0.7361	0.8300 0.7322	0.7907	0.7815	Ave		0.7298			0.1000	12.2		20.0			
1,4-Dioxane	+++++ 0.0031	+++++ 0.0028	0.0026 0.0027	0.0030	0.0033	Ave		0.0029				10.1		20.0			
Bromodichloromethane	1.3993 1.5079	1.2637 1.4963	1.3709 1.4855	1.4963	1.4820	Ave		1.4377			0.2000	6.0		20.0			
2-Chloroethyl vinyl ether	0.7493 0.7502	0.7643 0.7222	0.7220 0.8069	0.5694	0.8069	Ave		0.7364				10.2		20.0			
cis-1,3-Dichloropropene	+++++ 1.5762	1.2977 1.5294	1.2983 1.6580	1.4509	1.5166	Ave		1.4753			0.2000	9.2		20.0			
4-Methyl-2-pentanone (MIBK)	0.2220 0.2754	0.2685 0.2672	0.2335 0.2548	0.2716	0.2668	Ave		0.2575			0.1000	7.6		20.0			
Toluene	0.5828 0.7549	0.7027 0.7312	0.6674 0.7197	0.7887	0.7045	Ave		0.7065			0.4000	8.7		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 Buffalo Job No.: 480-218035-1 Analy Batch No.: 703408

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 15:37 Calibration End Date: 03/12/2024 18:15 Calibration ID: 46214

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
trans-1,3-Dichloropropene	0.3180 0.3936	0.3309 0.3728	0.3126 0.4288	0.3078	0.3331	Ave		0.3497			0.1000	12.5		20.0			
Ethyl methacrylate	0.3936 0.3990	0.3864 0.4118	0.3632 0.4177	0.3518	0.3832	Ave		0.3883				5.8		20.0			
1,1,2-Trichloroethane	0.1991 0.2273	0.2218 0.2196	0.2290 0.2168	0.2159	0.2232	Ave		0.2191			0.1000	4.2		20.0			
Tetrachloroethene	0.2258 0.3325	0.3225 0.3235	0.2915 0.3103	0.3223	0.3043	Ave		0.3041			0.2000	11.2		20.0			
1,3-Dichloropropane	0.4123 0.4446	0.4231 0.4271	0.4429 0.4482	0.4164	0.4386	Ave		0.4316				3.2		20.0			
2-Hexanone	0.5157 0.5491	0.5850 0.5275	0.5203 0.5619	0.5510	0.5806	Ave		0.5489			0.1000	4.8		20.0			
Dibromochloromethane	0.2126 0.3075	0.2557 0.3059	0.2623 0.3135	0.2681	0.2880	Ave		0.2767			0.1000	12.3		20.0			
1,2-Dibromoethane	0.3092 0.3032	0.2707 0.2823	0.2768 0.3015	0.3076	0.2999	Ave		0.2939				5.1		20.0			
Chlorobenzene	0.7067 0.8585	0.8531 0.8593	0.8868 0.8389	0.8838	0.8641	Ave		0.8439			0.5000	6.8		20.0			
Ethylbenzene	+++++ 1.5059	1.2239 1.5133	1.2977 1.4342	1.5092	1.4665	Ave		1.4215			0.1000	8.1		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.3336	0.3459 0.3381	0.2826 0.3098	0.3239	0.3157	Ave		0.3214				6.6		20.0			
m,p-Xylene	0.4349 0.6065	0.4523 0.5996	0.4669 0.5711	0.6155	0.5912	Ave		0.5423			0.1000	14.2		20.0			
o-Xylene	0.5502 0.6630	0.5041 0.6419	0.5494 0.5860	0.6056	0.5752	Ave		0.5844			0.3000	8.9		20.0			
Styrene	0.7039 0.9614	0.7360 0.9768	0.7611 0.9437	0.9317	0.9482	Ave		0.8704			0.3000	13.2		20.0			
Bromoform	+++++ 0.2170	0.1894 0.2193	0.1841 0.2338	0.1898	0.1975	Ave		0.2044			0.1000	9.2		20.0			
Isopropylbenzene	+++++ 2.8544	2.0591 2.8978	2.1181 2.7530	2.6833	2.6258	Ave		2.5702			0.1000	13.3		20.0			
Bromobenzene	0.5161 0.6526	0.5133 0.6471	0.6099 0.6597	0.6389	0.6570	Ave		0.6118				10.1		20.0			
1,1,2,2-Tetrachloroethane	0.6458 0.8404	0.7868 0.8260	0.7773 0.8265	0.9022	0.8376	Ave		0.8053			0.3000	9.3		20.0			

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

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

Lab Name: Eurofins Buffalo Job No.: 480-218035-1 Analy Batch No.: 703408

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 15:37 Calibration End Date: 03/12/2024 18:15 Calibration ID: 46214

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
N-Propylbenzene	+++++ 3.1941	2.3771 3.3278	2.6246 3.1982	3.1642	3.0172	Ave		2.9862				11.8		20.0			
1,2,3-Trichloropropane	+++++ 0.2858	0.2886 0.2792	0.2446 0.2793	0.2991	0.2845	Ave		0.2802				6.1		20.0			
trans-1,4-Dichloro-2-butene	0.3461 0.3560	0.3010 0.3636	0.2867 0.4176	0.3028	0.3518	Ave		0.3407				12.5		20.0			
2-Chlorotoluene	0.5866 0.6448	0.5622 0.6605	0.5702 0.6226	0.6286	0.6503	Ave		0.6157				6.2		20.0			
1,3,5-Trimethylbenzene	+++++ 2.4076	1.9058 2.5137	1.9716 2.3257	2.3727	2.3293	Ave		2.2609				10.2		20.0			
4-Chlorotoluene	+++++ 2.1437	1.5929 2.1372	1.8569 2.1537	2.1646	2.1675	Ave		2.0309				11.0		20.0			
tert-Butylbenzene	+++++ 0.4999	0.3159 0.5275	0.3820 0.4834	0.4489	0.4371	Ave		0.4421				16.5		20.0			
1,2,4-Trimethylbenzene	+++++ 2.5088	1.8747 2.6058	1.9072 2.4052	2.4658	2.4490	Ave		2.3167				12.8		20.0			
sec-Butylbenzene	+++++ 3.1150	2.0555 3.2923	2.2998 2.9397	2.9075	2.9105	Ave		2.7886				16.0		20.0			
1,3-Dichlorobenzene	+++++ 1.3280	1.1792 1.3546	1.1507 1.2569	1.3741	1.2920	Ave		1.2765			0.6000	6.7		20.0			
4-Isopropyltoluene	+++++ 2.7339	1.9902 2.8454	2.1310 2.5499	2.6492	2.5839	Ave		2.4976				12.7		20.0			
1,4-Dichlorobenzene	0.9436 1.3168	1.2721 1.3658	1.2984 1.2803	1.4005	1.3005	Ave		1.2722			0.5000	11.0		20.0			
n-Butylbenzene	+++++ 2.3612	1.6506 2.5009	1.7140 2.1787	2.3440	2.1802	Ave		2.1328				15.4		20.0			
1,2-Dichlorobenzene	1.0644 1.3055	1.1366 1.3674	1.2496 1.2153	1.4131	1.3623	Ave		1.2643			0.4000	9.6		20.0			
1,2-Dibromo-3-Chloropropane	0.1572 0.2112	0.1680 0.2165	0.1910 0.1948	0.1847	0.2033	Ave		0.1908			0.0500	10.7		20.0			
1,2,4-Trichlorobenzene	+++++ 0.9256	0.6694 0.9452	0.7455 0.8443	0.8805	0.9089	Ave		0.8456			0.2000	12.1		20.0			
Hexachlorobutadiene	0.1472 0.4054	0.2657 0.4358	0.2578 +++++	0.4827	0.3827	Lin1	-0.163	0.4296				14.3			0.9950		0.9900
Naphthalene	+++++ 3.1260	2.4790 3.2071	2.2844 2.8427	2.8530	2.8873	Ave		2.8113				11.7		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 Buffalo Job No.: 480-218035-1 Analy Batch No.: 703408

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 15:37 Calibration End Date: 03/12/2024 18:15 Calibration ID: 46214

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichlorobenzene	+++++ 0.9100	0.6722 0.8955	0.7819 0.8020	0.9214	0.8688	Ave		0.8360				10.7		20.0			
Dibromofluoromethane (Surr)	1.6505 1.6210	1.7692 1.6025	1.7666 1.4218	1.6833	1.7080	Ave		1.6529				6.8		20.0			
1,2-Dichloroethane-d4 (Surr)	2.1238 2.0708	2.1271 2.0107	2.2142 1.9338	2.0217	2.1190	Ave		2.0776				4.2		20.0			
Toluene-d8 (Surr)	1.2843 1.3580	1.3538 1.2865	1.3371 1.2885	1.2854	1.3150	Ave		1.3136				2.4		20.0			
4-Bromofluorobenzene (Surr)	0.4209 0.4346	0.4398 0.4208	0.4464 0.4272	0.4598	0.4393	Ave		0.4361				3.1		20.0			

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

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 703408

SDG No.:

Instrument ID: HP5973N | GC Column: ZB-624 (20 ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 15:37 | Calibration End Date: 03/12/2024 18:15 | Calibration ID: 46214

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-703408/11	N5481.d
Level 2	IC 480-703408/12	N5482.d
Level 3	IC 480-703408/13	N5483.d
Level 4	IC 480-703408/14	N5484.d
Level 5	IC 480-703408/15	N5485.d
Level 6	ICIS 480-703408/16	N5486.d
Level 7	IC 480-703408/17	N5487.d
Level 8	IC 480-703408/18	N5488.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	3775 253853	10609 526280	19623 1028987	42170	100251	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	8494 426361	17455 871777	36331 1734882	74081	172541	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	+++++ 252323	7380 566628	19807 1113316	40562	102483	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	+++++ 417447	17997 913051	39095 1735077	67997	183005	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	3185 147280	6066 328555	13521 615958	31238	66555	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	3457 175623	6006 349328	15682 711748	30492	72663	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 326635	8325 757779	21260 1532735	48963	125325	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	8644 464924	17062 977091	40662 1900769	86913	189961	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	5817 301127	10676 599493	21865 1213037	63537	112722	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	+++++ 72413	2912 139584	7203 297885	15423	28181	+++++ 125	5.00 250	10.0 500	25.0	50.0
1,1-Dichloroethene	FB	Ave	+++++ 208684	8560 443363	14057 828714	42009	79308	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 232785	7484 490509	12544 884989	47557	81381	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	15846 955695	44349 1891453	56003 3724195	203054	373983	2.50 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	5472 366193	14539 787381	27579 1481464	80835	145450	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	9618	23751	45623	142557	266882	0.500	1.00	2.00	5.00	10.0

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 703408

SDG No.:

Instrument ID: HP5973N | GC Column: ZB-624 (20 ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 15:37 | Calibration End Date: 03/12/2024 18:15 | Calibration ID: 46214

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			693820	1506537	2786064			25.0	50.0	100		
Allyl chloride	FB	Ave	9854 697336	22701 1406539	48208 2759657	136705	261547	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	19412 980747	40872 1855945	66331 4123122	179381	379891	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Ave	+++++ 249863	12249 517571	20345 978007	55180	101543	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	+++++ 561776	23549 1136148	27714 2236373	116990	197826	+++++ 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	15605 839082	30683 1767343	61693 3490350	173308	331036	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	3841 248139	9674 509695	15199 942563	54567	93290	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	39702 2242096	94912 4392930	157676 9268240	458940	885876	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	+++++ 452111	13246 930467	23749 1861737	85710	157308	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	7771 516486	18905 1052208	38223 2108527	102730	207431	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	21275 1629500	55696 3084399	97652 7920290	275280	589033	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	+++++ 264846	10857 584899	17900 982945	59212	102873	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	4074 266384	9717 529188	20648 1077334	55744	105411	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	23087 1305738	53046 2474407	89133 5966475	243044	510578	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	2833 137809	5544 278968	9439 553082	28642	58811	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	6649 399671	15288 739338	25962 1700367	77547	159100	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	8058 454423	18692 921413	29649 1841371	88013	173252	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	+++++ 336430	10309 732588	22529 1414003	70622	124653	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	+++++ 577853	16694 1281294	33731 2411320	117751	202041	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	+++++ 268279	7800 625022	17074 1207524	61123	100908	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	3942 308049	10280 609308	18938 1318753	56131	108930	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 703408

SDG No.:

Instrument ID: HP5973N | GC Column: ZB-624 (20 ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 15:37 | Calibration End Date: 03/12/2024 18:15 | Calibration ID: 46214

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	14934 872144	29943 1717828	59321 3759592	167369	316665	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	+++++ 651674	26189 1378887	34946 2853534	124968	263676	+++++ 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	6058 395596	16510 753812	28641 1718052	70639	154300	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	+++++ 495565	15275 1031494	25275 2111068	94081	189241	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	+++++ 214985	7490 408119	14407 942331	40245	79765	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	+++++ 422627	9633 908140	21093 1696745	82439	150154	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	3001 220658	7671 452682	16613 1020493	43625	90489	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	1851 141577	4231 267102	10576 622347	26672	53819	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZd5	Ave	+++++ 38683	+++++ 72572	2328 159778	7180	16963	+++++ 500	+++++ 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	4667 277939	8292 542939	17469 1262680	50471	102053	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	2499 138284	5015 262056	9200 685918	19207	55563	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	+++++ 290539	8515 554946	16543 1409360	48939	104439	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZd5	Ave	13318 869392	32024 1727508	53106 3840229	161251	337941	2.50 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZd5	Ave	6993 476604	16760 945567	30365 2169036	93647	178505	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZd5	Ave	3815 248520	7892 482033	14224 1292271	36548	84403	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZd5	Ave	4723 251935	9215 532469	16525 1258863	41771	97101	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZd5	Ave	2389 143494	5289 283924	10419 653355	25638	56539	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZd5	Ave	2709	7691	13264	38266	77096	0.500	1.00	2.00	5.00	10.0

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 703408

SDG No.:

Instrument ID: HP5973N | GC Column: ZB-624 (20 ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 15:37 | Calibration End Date: 03/12/2024 18:15 | Calibration ID: 46214

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			209915	418356	935160			25.0	50.0	100		
1,3-Dichloropropane	CBNZd5	Ave	4947 280674	10092 552237	20150 1350664	49446	111134	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZd5	Ave	30936 1733434	69765 3410693	118354 8467209	327142	735493	2.50 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZd5	Ave	2551 194163	6098 395536	11934 944800	31837	72981	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZd5	Ave	3710 191417	6456 365029	12593 908747	36528	75986	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chlorobenzene	CBNZd5	Ave	8479 541995	20348 1111216	40345 2528150	104938	218926	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZd5	Ave	+++++ 950785	29191 1956833	59041 4322435	179193	371561	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZd5	Ave	+++++ 210625	8249 437170	12859 933621	38456	79991	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZd5	Ave	5218 382905	10787 775334	21242 1721288	73086	149800	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZd5	Ave	6602 418596	12024 829983	24997 1766182	71906	145728	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZd5	Ave	8446 606971	17555 1263159	34627 2844210	110625	240249	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZd5	Ave	+++++ 137007	4518 283603	8376 704694	22533	50049	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd4	Ave	+++++ 1087184	30657 2220236	55106 4696818	199133	392038	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd4	Ave	3579 248577	7642 495765	15868 1125553	47412	98092	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd4	Ave	4479 320070	11715 632912	20224 1410117	66957	125055	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd4	Ave	+++++ 1216538	35391 2549709	68284 5456280	234823	450488	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd4	Ave	+++++	4297	6364	22200	42474	+++++	1.00	2.00	5.00	10.0

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 703408

SDG No.:

Instrument ID: HP5973N | GC Column: ZB-624 (20 ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 15:37 | Calibration End Date: 03/12/2024 18:15 | Calibration ID: 46214

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			108864	213930	476527			25.0	50.0	100		
trans-1,4-Dichloro-2-butene	DCBd4	Ave	2400 135610	4482 278552	7458 712365	22471	52522	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd4	Ave	4068 245579	8370 506035	14835 1062215	46652	97088	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd4	Ave	+++++ 917004	28374 1925941	51296 3967814	176083	347777	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd4	Ave	+++++ 816499	23716 1637487	48312 3674278	160642	323625	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd4	Ave	+++++ 190399	4704 404202	9938 824736	33310	65261	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd4	Ave	+++++ 955532	27912 1996544	49620 4103388	182991	365652	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd4	Ave	+++++ 1186416	30603 2522508	59833 5015257	215767	434559	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd4	Ave	+++++ 505798	17557 1037921	29938 2144261	101972	192905	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd4	Ave	+++++ 1041273	29631 2180130	55441 4350314	196604	385782	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dichlorobenzene	DCBd4	Ave	6544 501551	18939 1046460	33781 2184310	103930	194172	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd4	Ave	+++++ 899333	24575 1916151	44594 3717014	173949	325519	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd4	Ave	7382 497244	16923 1047692	32510 2073383	104872	203397	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	1090 80430	2502 165906	4968 332381	13708	30357	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd4	Ave	+++++ 352543	9967 724209	19396 1440333	65342	135701	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd4	Lin1	1021 154407	3956 333932	6708 +++++	35822	57144	0.500 25.0	1.00 50.0	2.00 +++++	5.00	10.0
Naphthalene	DCBd4	Ave	+++++ 1190599	36908 2457280	59433 4849711	211726	431088	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd4	Ave	+++++ 346593	10008 686157	20342 1368323	68379	129710	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	275232 298800	290208 290739	281392 302144	283904	294049	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	354161 381705	348923 364802	352676 410947	340968	364791	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZd5	Ave	770473	807213	760415	763138	832966	25.0	25.0	25.0	25.0	25.0

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

Lab Name: Eurofins Buffalo Job No.: 480-218035-1 Analy Batch No.: 703408

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 15:37 Calibration End Date: 03/12/2024 18:15 Calibration ID: 46214

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			857392	831795	970819			25.0	25.0	25.0		
4-Bromofluorobenzene (Surr)	CBNZd 5	Ave	252493	262211	253859	272999	278234	25.0	25.0	25.0	25.0	25.0
			274417	272060	321891			25.0	25.0	25.0		

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 703408

SDG No.:

Instrument ID: HP5973N | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 15:37 | Calibration End Date: 03/12/2024 18:15 | Calibration ID: 46214

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-703408/11	N5481.d
Level 2	IC 480-703408/12	N5482.d
Level 3	IC 480-703408/13	N5483.d
Level 4	IC 480-703408/14	N5484.d
Level 5	IC 480-703408/15	N5485.d
Level 6	ICIS 480-703408/16	N5486.d
Level 7	IC 480-703408/17	N5487.d
Level 8	IC 480-703408/18	N5488.d

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	-17.9						30					
Chloromethane	4.4						30					
Vinyl chloride	+++++	-18.1						30				
Butadiene	+++++	10.9						30				
Bromomethane	5.2						30					
Chloroethane	5.0						30					
Trichlorofluoromethane	+++++	-25.2						30				
Dichlorofluoromethane	-2.1						30					
Ethyl ether	4.7						30					
Acrolein	+++++	3.4						30				
1,1-Dichloroethene	+++++	12.3						30				
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++	-4.6						30				
Acetone	-9.8						30					
Iodomethane	-20.1						30					
Carbon disulfide	-21.5						30					

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 703408

SDG No.:

Instrument ID: HP5973N | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 15:37 | Calibration End Date: 03/12/2024 18:15 | Calibration ID: 46214

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Allyl chloride	-18.4						30					
Methyl acetate	7.3						30					
Methylene Chloride	+++++	24.4						30				
2-Methyl-2-propanol	+++++	20.1						30				
Methyl tert-butyl ether	-0.6						30					
trans-1,2-Dichloroethene	-13.5						30					
Acrylonitrile	-5.1						30					
Hexane	+++++	-11.2						30				
1,1-Dichloroethane	-17.0						30					
Vinyl acetate	-22.6						30					
2,2-Dichloropropane	+++++	10.2						30				
cis-1,2-Dichloroethene	-16.3						30					
2-Butanone (MEK)	-3.8						30					
Chlorobromomethane	7.8						30					
Tetrahydrofuran	-7.1						30					
Chloroform	-2.8						30					
1,1,1-Trichloroethane	+++++	-13.7						30				
Cyclohexane	+++++	-15.7						30				
Carbon tetrachloride	+++++	-20.0						30				
1,1-Dichloropropene	-23.6						30					
Benzene	-3.6						30					

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 703408

SDG No.:

Instrument ID: HP5973N | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 15:37 | Calibration End Date: 03/12/2024 18:15 | Calibration ID: 46214

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Isobutyl alcohol	+++++	11.9						30				
1,2-Dichloroethane	-15.3						30					
n-Heptane	+++++	-8.8						30				
Trichloroethene	+++++	-0.4						30				
Methylcyclohexane	+++++	-29.3						30				
1,2-Dichloropropane	-25.2						30					
Dibromomethane	-24.0						30					
1,4-Dioxane	+++++	+++++	-12.0						30			
Bromodichloromethane	-2.7						30					
2-Chloroethyl vinyl ether	1.7						30					
cis-1,3-Dichloropropene	+++++	-12.0						30				
4-Methyl-2-pentanone (MIBK)	-13.8						30					
Toluene	-17.5						30					
trans-1,3-Dichloropropene	-9.1						30					
Ethyl methacrylate	1.4						30					
1,1,2-Trichloroethane	-9.1						30					
Tetrachloroethene	-25.8						30					
1,3-Dichloropropane	-4.5						30					
2-Hexanone	-6.1						30					
Dibromochloromethane	-23.2						30					
1,2-Dibromoethane	5.2						30					

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 703408

SDG No.:

Instrument ID: HP5973N | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 15:37 | Calibration End Date: 03/12/2024 18:15 | Calibration ID: 46214

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Chlorobenzene	-16.3						30					
Ethylbenzene	+++++	-13.9						30				
1,1,1,2-Tetrachloroethane	+++++	7.6						30				
m,p-Xylene	-19.8						30					
o-Xylene	-5.9						30					
Styrene	-19.1						30					
Bromoform	+++++	-7.3						30				
Isopropylbenzene	+++++	-19.9						30				
Bromobenzene	-15.7						30					
1,1,2,2-Tetrachloroethane	-19.8						30					
N-Propylbenzene	+++++	-20.4						30				
1,2,3-Trichloropropane	+++++	3.0						30				
trans-1,4-Dichloro-2-butene	1.6						30					
2-Chlorotoluene	-4.7						30					
1,3,5-Trimethylbenzene	+++++	-15.7						30				
4-Chlorotoluene	+++++	-21.6						30				
tert-Butylbenzene	+++++	-28.5						30				
1,2,4-Trimethylbenzene	+++++	-19.1						30				
sec-Butylbenzene	+++++	-26.3						30				
1,3-Dichlorobenzene	+++++	-7.6						30				
4-Isopropyltoluene	+++++	-20.3						30				

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 703408

SDG No.:

Instrument ID: HP5973N | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 15:37 | Calibration End Date: 03/12/2024 18:15 | Calibration ID: 46214

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dichlorobenzene	-25.8						30					
n-Butylbenzene	+++++	-22.6						30				
1,2-Dichlorobenzene	-15.8						30					
1,2-Dibromo-3-Chloropropane	-17.6						30					
1,2,4-Trichlorobenzene	+++++	-20.8						30				
Hexachlorobutadiene	10.2	+++++					30					
Naphthalene	+++++	-11.8						30				
1,2,3-Trichlorobenzene	+++++	-19.6						30				
Dibromofluoromethane (Surr)	-0.1						30					
1,2-Dichloroethane-d4 (Surr)	2.2						30					
Toluene-d8 (Surr)	-2.2						30					
4-Bromofluorobenzene (Surr)	-3.5						30					

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 12-Mar-2024 15:37:30 ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 480-0116708-011
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2024 10:17:31 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: WLL8 Date: 12-Mar-2024 16:10:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.046	5.047	0.000	97	166759	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.009	8.009	0.000	91	599937	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.442	10.443	-0.001	96	346762	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.481	4.481	0.000	93	275232	25.0	25.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.779	4.779	0.000	98	354161	25.0	25.6	
$ 6 Toluene-d8 (Surr)	98	6.543	6.543	0.000	95	770473	25.0	24.4	
$ 7 4-Bromofluorobenzene (Surr)	174	9.274	9.269	0.006	92	252493	25.0	24.1	
11 Dichlorodifluoromethane	85	1.141	1.141	0.000	37	3775	0.5000	0.4104	M
13 Chloromethane	50	1.293	1.293	0.000	94	8494	0.5000	0.5220	
14 Vinyl chloride	62	1.372	1.372	0.000	24	2600	0.5000	0.2839	
144 Butadiene	54	1.384	1.384	0.000	0	5382	0.5000	0.3263	M
15 Bromomethane	94	1.633	1.646	-0.013	61	3185	0.5000	0.5260	
16 Chloroethane	64	1.706	1.713	-0.007	0	3457	0.5000	0.5252	M
18 Trichlorofluoromethane	101	1.889	1.901	-0.012	30	3112	0.5000	0.2751	
17 Dichlorofluoromethane	67	1.901	1.907	-0.006	93	8644	0.5000	0.4897	
19 Ethyl ether	59	2.151	2.163	-0.012	83	5817	0.5000	0.5237	
20 Acrolein	56	2.333	2.333	0.000	0	2032	2.50	3.55	M
22 1,1-Dichloroethene	96	2.364	2.364	0.000	0	2272	0.5000	0.2931	M
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.364	2.364	0.000	47	2390	0.5000	0.2996	
23 Acetone	43	2.479	2.479	0.000	98	15846	2.50	2.26	
24 Iodomethane	142	2.503	2.516	-0.013	75	5472	0.5000	0.3995	
25 Carbon disulfide	76	2.546	2.546	0.000	70	9618	0.5000	0.3926	
27 3-Chloro-1-propene	41	2.710	2.716	-0.006	52	9854	0.5000	0.4082	
28 Methyl acetate	43	2.759	2.765	-0.006	0	19412	1.00	1.07	M
30 Methylene Chloride	84	2.850	2.856	-0.006	88	6396	0.5000	0.6389	
31 2-Methyl-2-propanol	59	3.033	3.027	0.006	62	5594	5.00	2.81	
32 Methyl tert-butyl ether	73	3.051	3.057	-0.006	93	15605	0.5000	0.4968	
33 trans-1,2-Dichloroethene	96	3.075	3.075	0.000	83	3841	0.5000	0.4325	
34 Acrylonitrile	53	3.130	3.130	0.000	97	39702	5.00	4.74	
35 Hexane	57	3.252	3.264	-0.012	40	5015	0.5000	0.3307	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.483	3.477	0.006	92	7771	0.5000	0.4151	
39 Vinyl acetate	43	3.532	3.538	-0.006	96	21275	1.00	0.7743	
42 2,2-Dichloropropane	77	3.982	3.982	0.000	0	3274	0.5000	0.3268	M
43 cis-1,2-Dichloroethene	96	4.018	4.018	0.000	77	4074	0.5000	0.4184	
44 2-Butanone (MEK)	43	4.067	4.055	0.012	96	23087	2.50	2.41	
47 Chlorobromomethane	128	4.237	4.250	-0.013	87	2833	0.5000	0.5389	
49 Tetrahydrofuran	42	4.262	4.262	0.000	75	6649	1.00	0.9285	
50 Chloroform	83	4.329	4.329	-0.001	87	8058	0.5000	0.4859	
51 1,1,1-Trichloroethane	97	4.420	4.432	-0.012	0	3762	0.5000	0.3096	M
52 Cyclohexane	56	4.438	4.438	0.000	41	5825	0.5000	0.2894	
53 Carbon tetrachloride	117	4.572	4.566	0.006	39	2941	0.5000	0.2966	M
54 1,1-Dichloropropene	75	4.584	4.584	0.000	0	3942	0.5000	0.3818	M
55 Benzene	78	4.779	4.779	0.000	41	14934	0.5000	0.4822	
56 Isobutyl alcohol	43	4.833	4.821	0.012	31	8029	12.5	8.44	
57 1,2-Dichloroethane	62	4.852	4.852	0.000	0	6058	0.5000	0.4234	M
59 n-Heptane	43	4.961	4.967	-0.006	52	5625	0.5000	0.3304	
60 Trichloroethene	95	5.393	5.387	0.006	84	2240	0.5000	0.2930	
62 Methylcyclohexane	83	5.497	5.497	0.000	0	3924	0.5000	0.2832	M
63 1,2-Dichloropropane	63	5.618	5.624	-0.006	0	3001	0.5000	0.3739	M
64 Dibromomethane	93	5.758	5.758	0.000	56	1851	0.5000	0.3802	M
66 1,4-Dioxane	88	5.770	5.770	0.000	0	178	10.0	2.55	M
67 Dichlorobromomethane	83	5.904	5.910	-0.006	43	4667	0.5000	0.4866	M
69 2-Chloroethyl vinyl ether	63	6.202	6.196	0.006	17	2499	0.5000	0.5087	
71 cis-1,3-Dichloropropene	75	6.318	6.330	-0.012	1	2703	0.5000	0.2747	M
72 4-Methyl-2-pentanone (MIBK)	58	6.476	6.476	0.000	98	13318	2.50	2.16	
73 Toluene	92	6.616	6.610	0.006	50	6993	0.5000	0.4125	
75 trans-1,3-Dichloropropene	75	6.902	6.890	0.012	0	3815	0.5000	0.4546	M
77 Ethyl methacrylate	69	6.944	6.951	-0.007	88	4723	0.5000	0.5068	
78 1,1,2-Trichloroethane	83	7.078	7.078	0.000	19	2389	0.5000	0.4544	
79 Tetrachloroethene	166	7.145	7.133	0.012	0	2709	0.5000	0.3712	M
80 1,3-Dichloropropane	76	7.243	7.237	0.006	86	4947	0.5000	0.4776	
82 2-Hexanone	43	7.316	7.310	0.006	96	30936	2.50	2.35	
83 Chlorodibromomethane	129	7.468	7.468	0.000	1	2551	0.5000	0.3842	
84 Ethylene Dibromide	107	7.565	7.565	0.000	28	3710	0.5000	0.5260	
85 Chlorobenzene	112	8.039	8.040	-0.001	0	8479	0.5000	0.4187	M
88 Ethylbenzene	91	8.143	8.137	0.006	96	11951	0.5000	0.3503	
89 1,1,1,2-Tetrachloroethane	131	8.143	8.143	0.000	52	2413	0.5000	0.3129	
90 m-Xylene & p-Xylene	106	8.258	8.265	-0.007	88	5218	0.5000	0.4010	
91 o-Xylene	106	8.690	8.684	0.006	88	6602	0.5000	0.4707	
92 Styrene	104	8.721	8.715	0.006	91	8446	0.5000	0.4044	
93 Bromoform	173	8.964	8.958	0.006	1	1534	0.5000	0.3127	
95 Isopropylbenzene	105	9.068	9.074	-0.006	95	9749	0.5000	0.2735	
97 Bromobenzene	156	9.420	9.421	-0.001	85	3579	0.5000	0.4217	
98 1,1,2,2-Tetrachloroethane	83	9.493	9.494	-0.001	54	4479	0.5000	0.4010	
100 N-Propylbenzene	91	9.506	9.512	-0.006	0	13095	0.5000	0.3162	M
99 1,2,3-Trichloropropane	110	9.518	9.518	0.000	62	3001	0.5000	0.7722	
101 trans-1,4-Dichloro-2-butene	53	9.542	9.542	0.000	43	2400	0.5000	0.5079	M
102 2-Chlorotoluene	126	9.609	9.615	-0.006	96	4068	0.5000	0.4763	
104 1,3,5-Trimethylbenzene	105	9.706	9.700	0.006	0	9655	0.5000	0.3079	M
105 4-Chlorotoluene	91	9.731	9.731	0.000	93	9281	0.5000	0.3295	
106 tert-Butylbenzene	134	10.029	10.023	0.006	90	1619	0.5000	0.2640	
108 1,2,4-Trimethylbenzene	105	10.090	10.084	0.006	94	11512	0.5000	0.3583	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.248	10.242	0.006	95	12471	0.5000	0.3224	
110 1,3-Dichlorobenzene	146	10.376	10.370	0.006	92	6392	0.5000	0.3610	
111 4-Isopropyltoluene	119	10.394	10.388	0.006	95	9908	0.5000	0.2860	
113 1,4-Dichlorobenzene	146	10.467	10.467	0.000	83	6544	0.5000	0.3708	
115 n-Butylbenzene	91	10.789	10.783	0.006	95	9414	0.5000	0.3182	
116 1,2-Dichlorobenzene	146	10.820	10.820	0.000	90	7382	0.5000	0.4210	
117 1,2-Dibromo-3-Chloropropane	75	11.574	11.562	0.012	1	1090	0.5000	0.4118	M
119 1,2,4-Trichlorobenzene	180	12.243	12.243	0.000	85	3569	0.5000	0.3043	
120 Hexachlorobutadiene	225	12.359	12.365	-0.006	0	1021	0.5000	0.5510	M
121 Naphthalene	128	12.456	12.456	0.000	95	11972	0.5000	0.3070	
122 1,2,3-Trichlorobenzene	180	12.669	12.663	0.006	78	2949	0.5000	0.2543	M
S 124 1,2-Dichloroethene, Total	1				0			0.8509	
S 126 Xylenes, Total	1				0			0.8717	
S 123 1,3-Dichloropropene, Total	1				0			0.7293	
S 125 Total BTEX	1				0			2.12	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00251	Amount Added:	0.50	Units: uL	
GAS CORP mix_00611	Amount Added:	0.50	Units: uL	
N_8260_Surr_00468	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00266	Amount Added:	1.00	Units: uL	Run Reagent

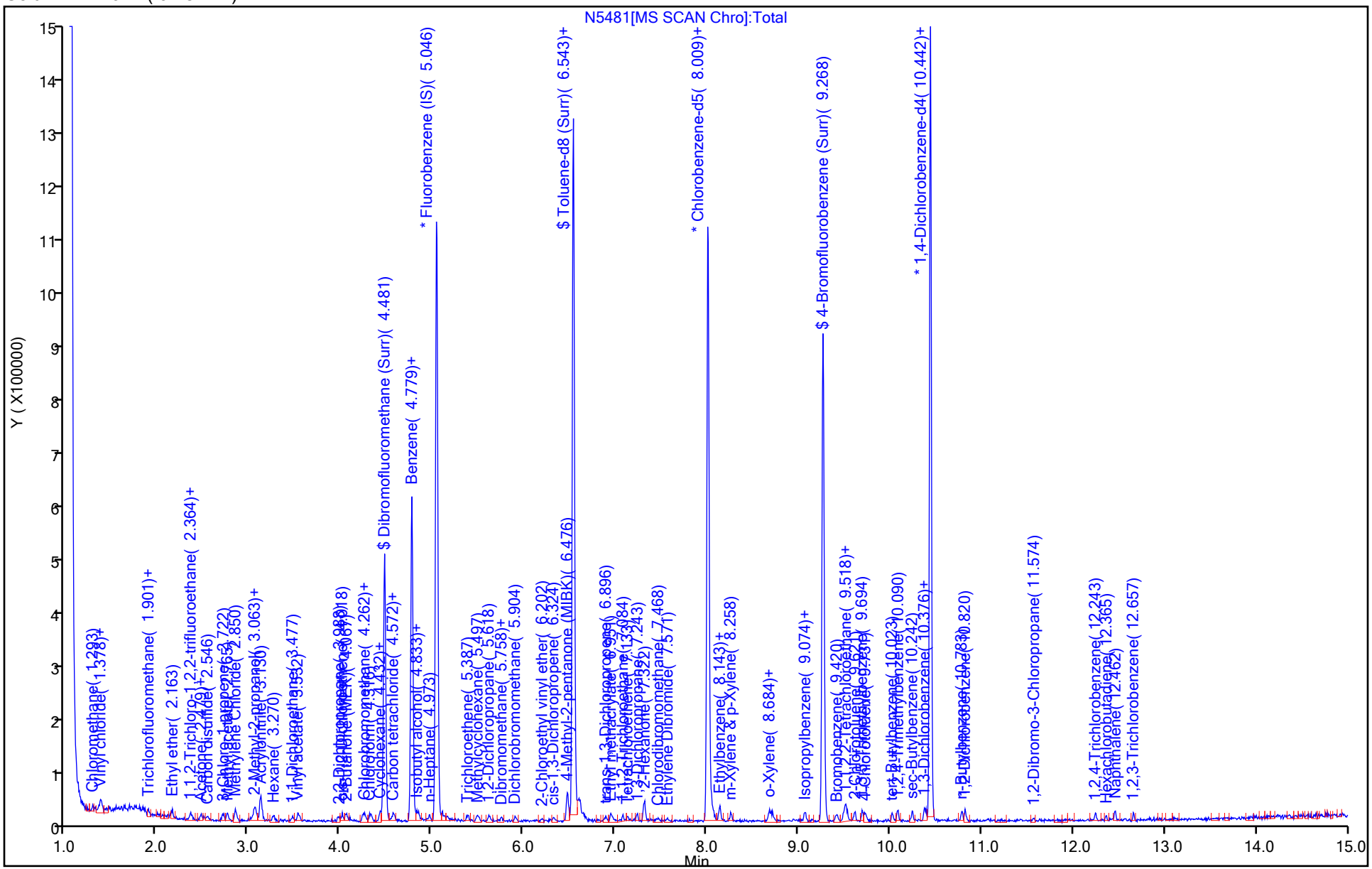
Report Date: 13-Mar-2024 10:17:32 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d

Injection Date:	12-Mar-2024 15:37:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 0.5			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

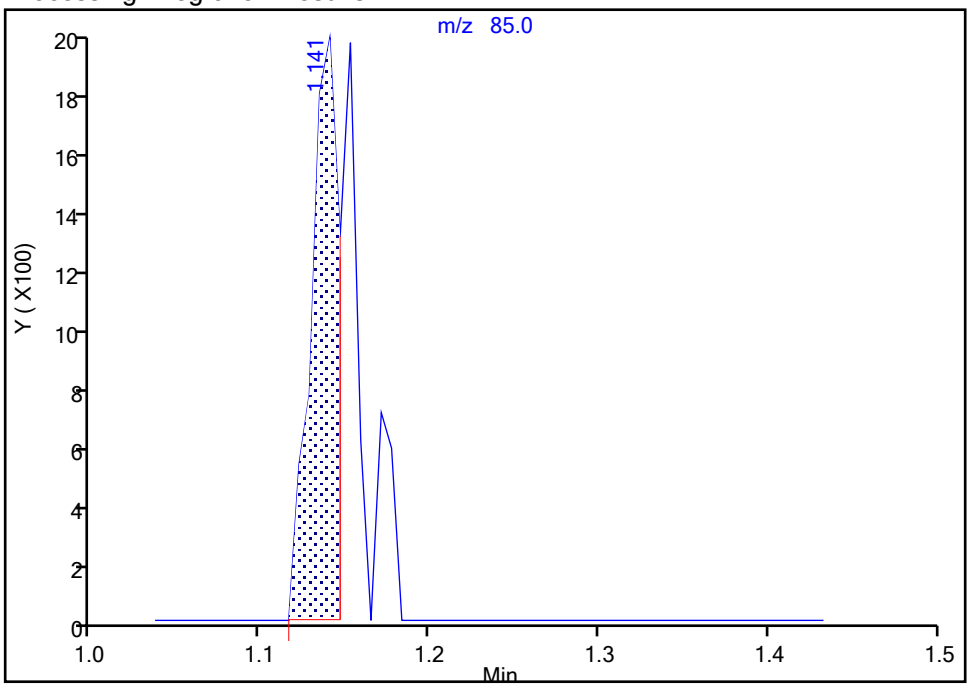
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

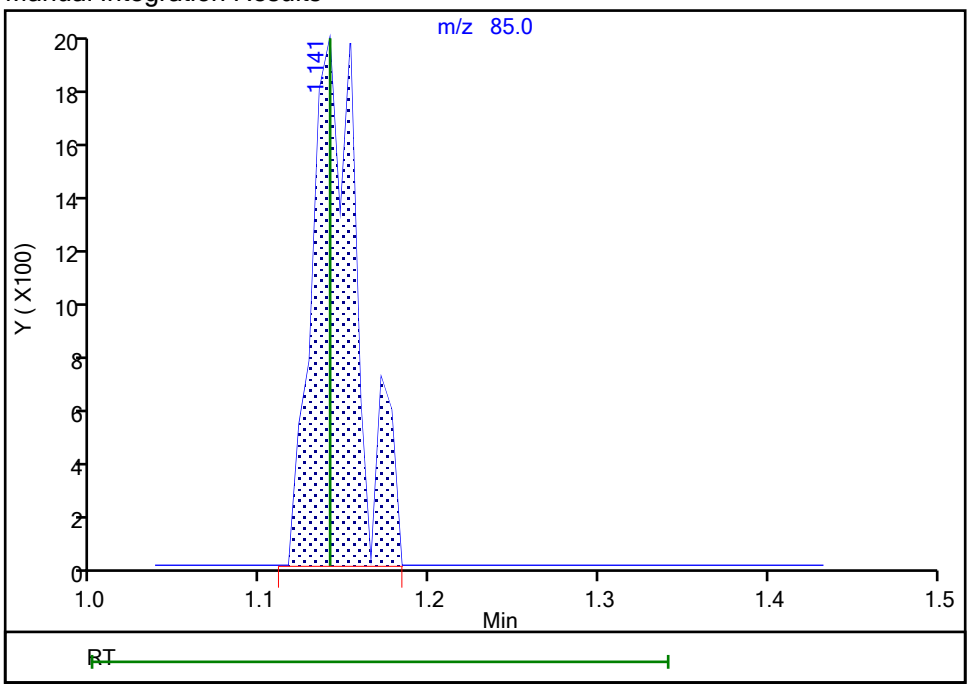
Processing Integration Results

RT: 1.14
Area: 2350
Amount: 0.500000
Amount Units: ug/L



Manual Integration Results

RT: 1.14
Area: 3775
Amount: 0.410366
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 16:01:46 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

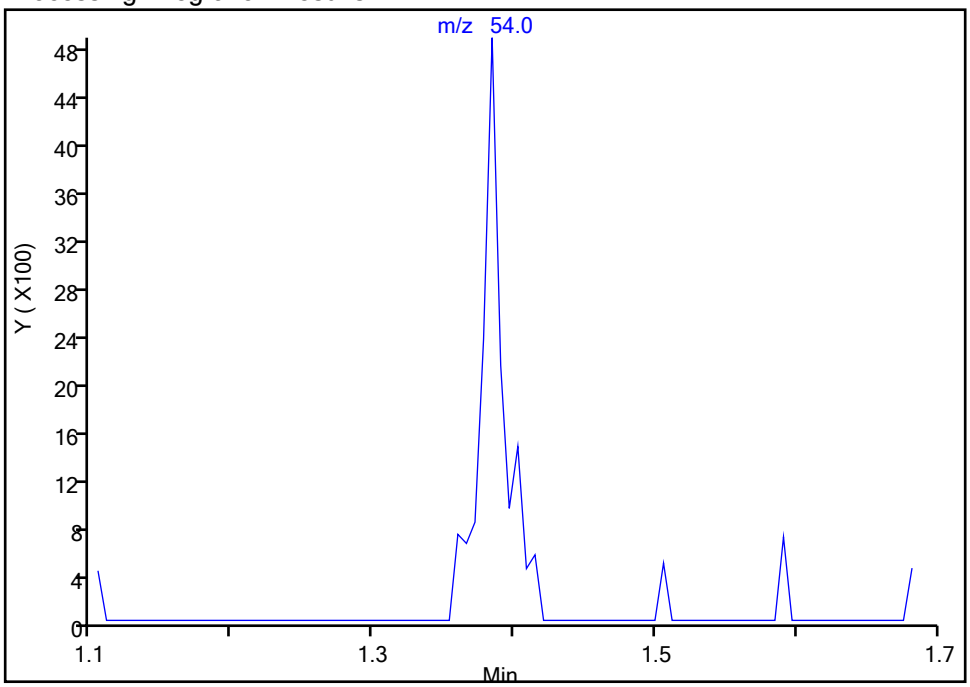
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

144 Butadiene, CAS: 106-99-0

Signal: 1

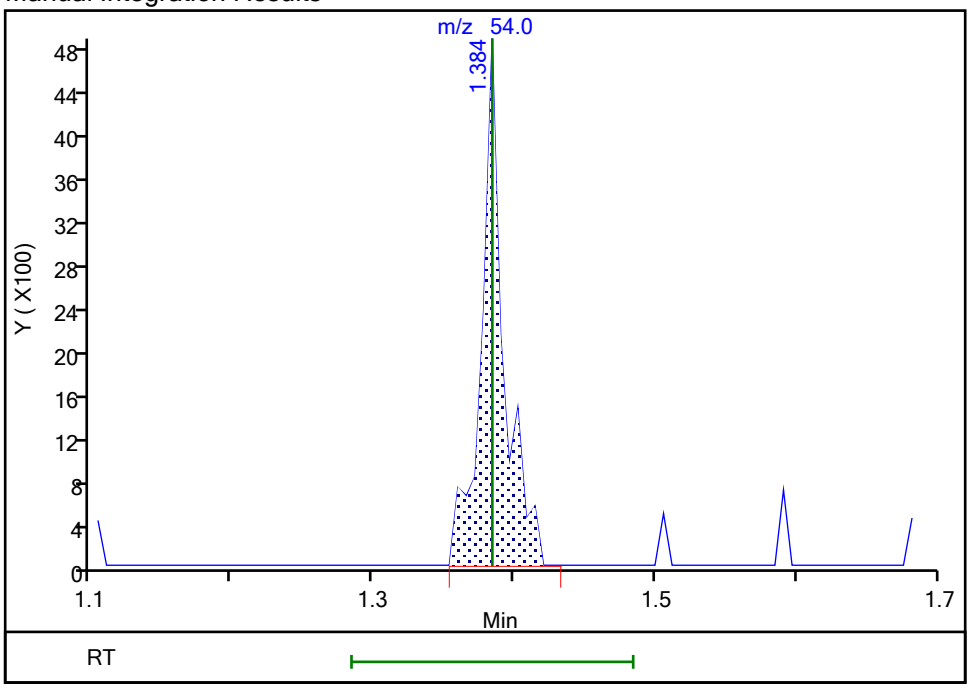
Not Detected
Expected RT: 1.38

Processing Integration Results



Manual Integration Results

RT: 1.38
Area: 5382
Amount: 0.326349
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:48:01 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

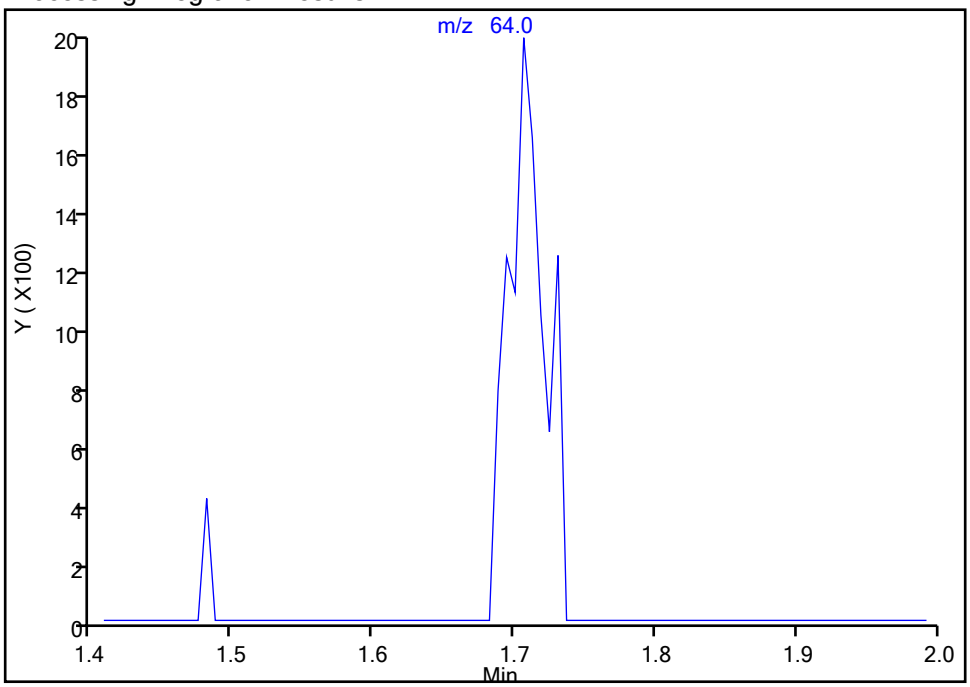
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

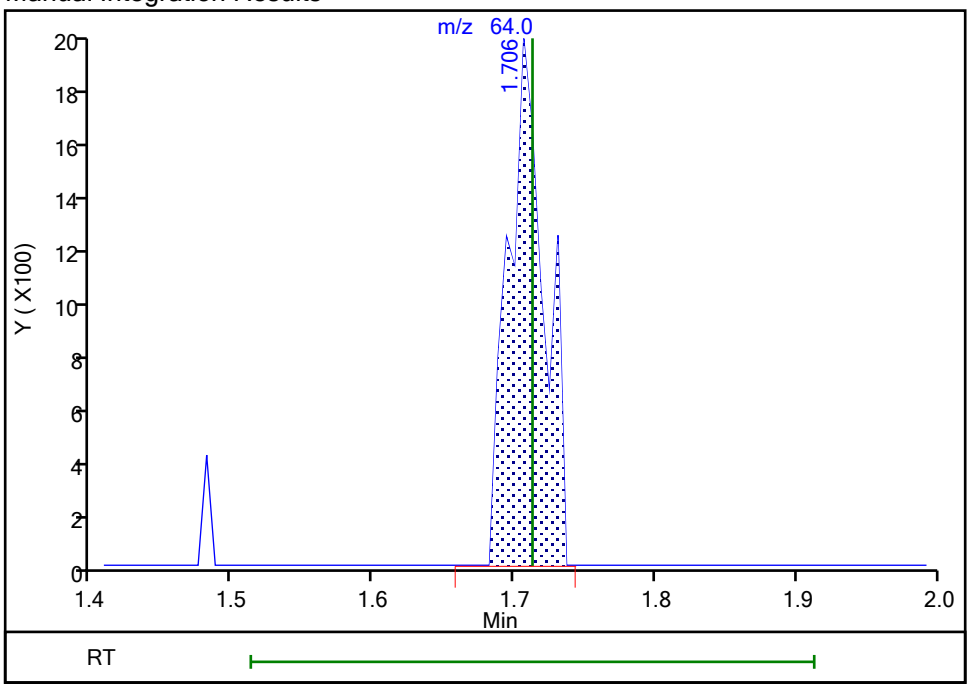
Not Detected
Expected RT: 1.71

Processing Integration Results



Manual Integration Results

RT: 1.71
Area: 3457
Amount: 0.525186
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:48:07 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

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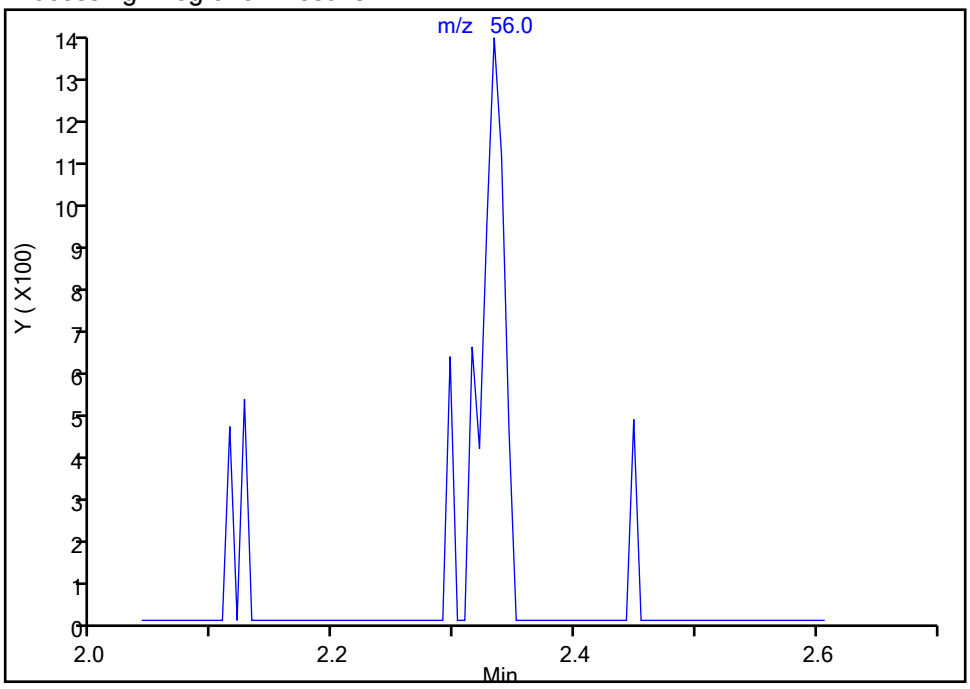
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

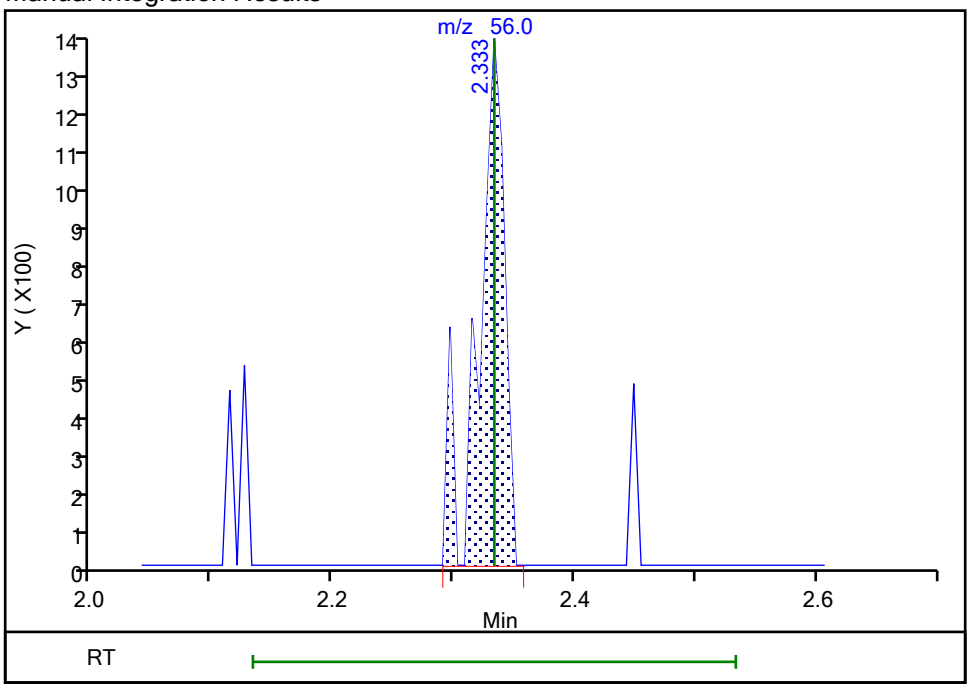
Not Detected
Expected RT: 2.33

Processing Integration Results



Manual Integration Results

RT: 2.33
Area: 2032
Amount: 3.549861
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:48:14 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

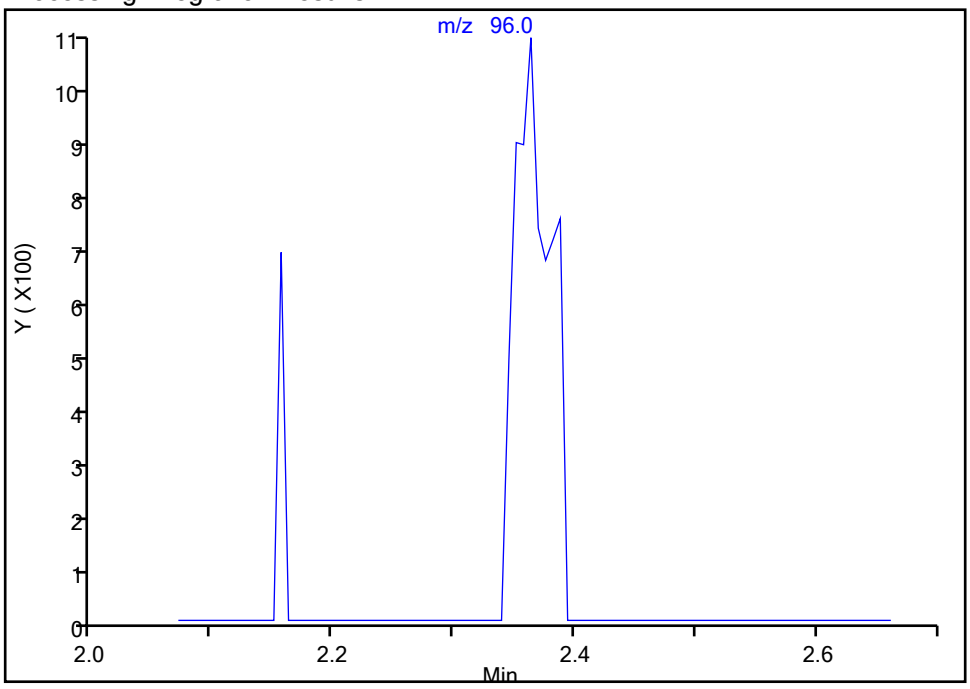
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

22 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

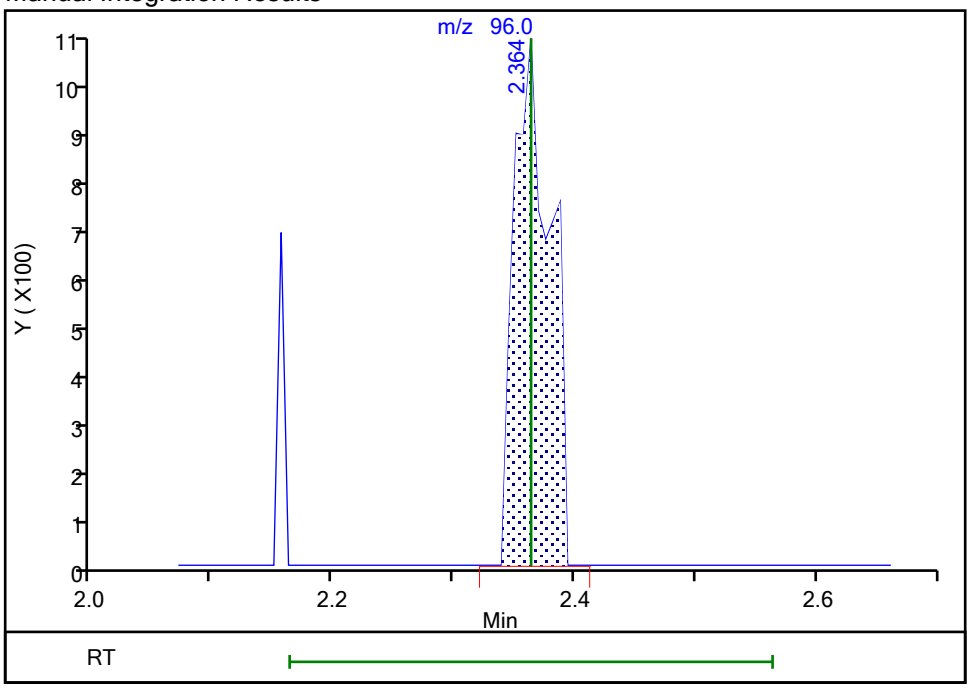
Not Detected
Expected RT: 2.36

Processing Integration Results



Manual Integration Results

RT: 2.36
Area: 2272
Amount: 0.293133
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:48:19 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

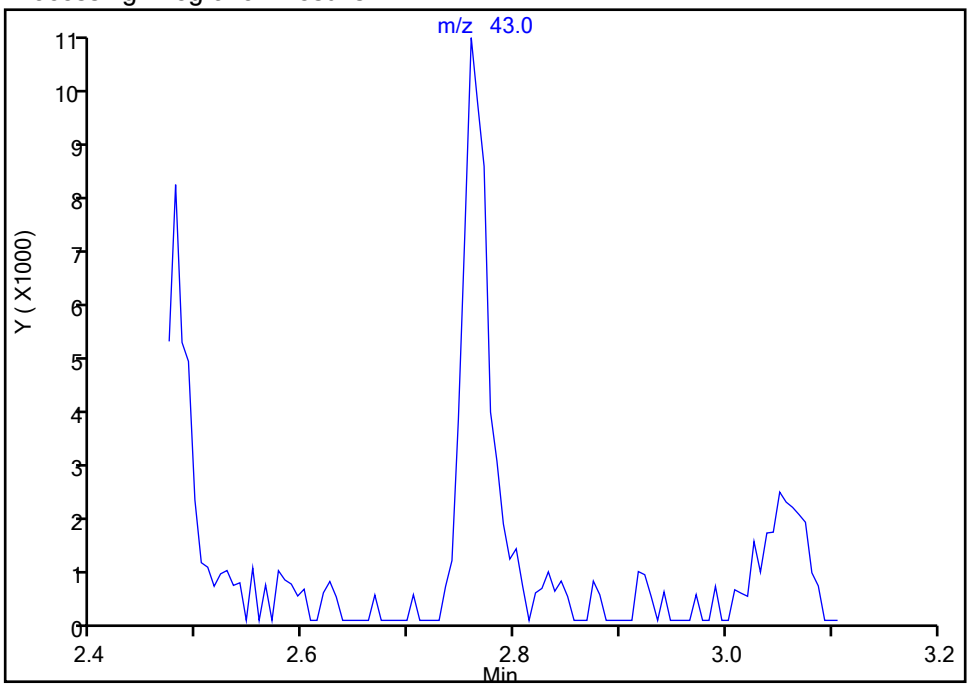
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

28 Methyl acetate, CAS: 79-20-9

Signal: 1

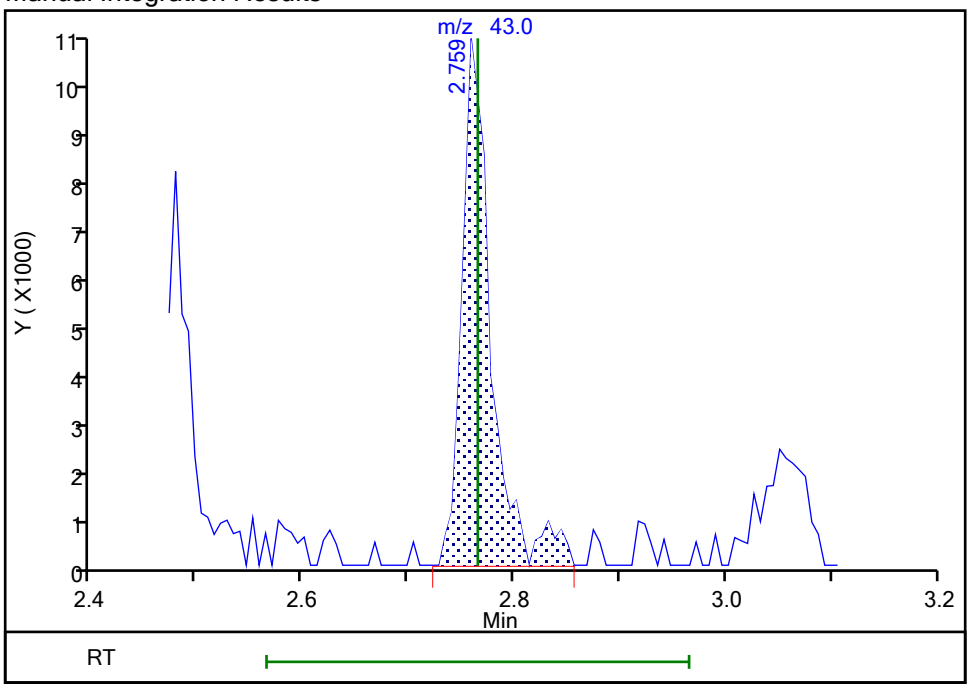
Not Detected
Expected RT: 2.77

Processing Integration Results



Manual Integration Results

RT: 2.76
Area: 19412
Amount: 1.073481
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:48:28 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

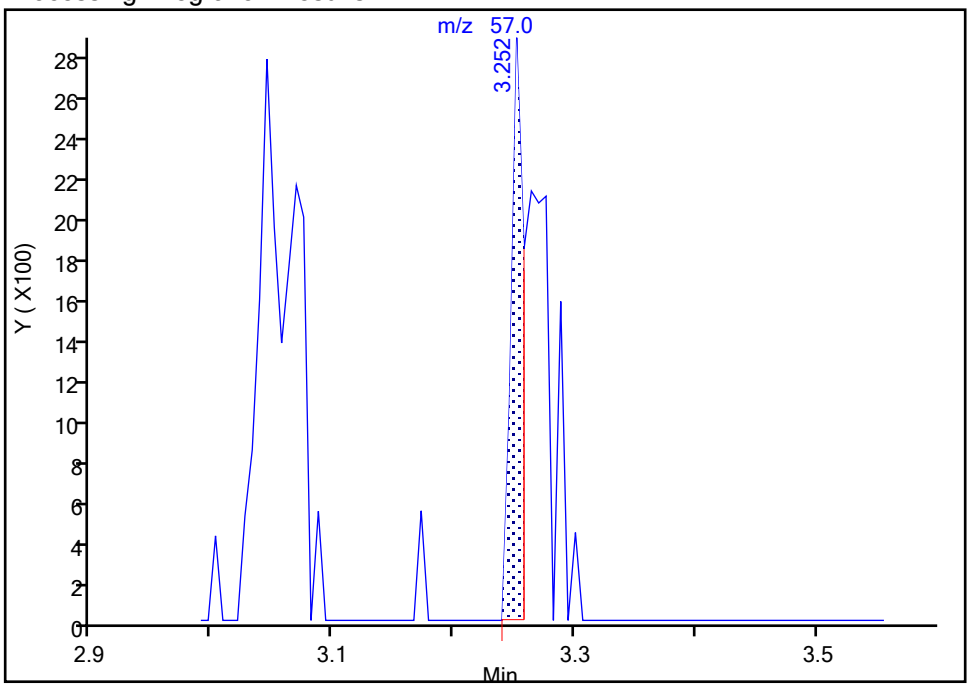
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

35 Hexane, CAS: 110-54-3

Signal: 1

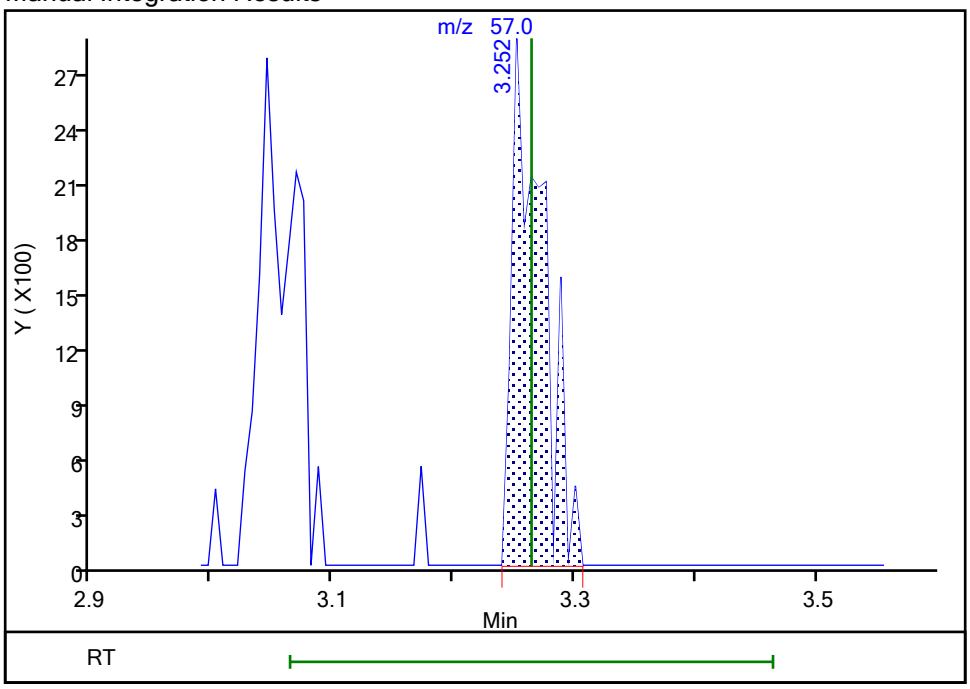
Processing Integration Results

RT: 3.25
Area: 2059
Amount: 0.500000
Amount Units: ug/L



Manual Integration Results

RT: 3.25
Area: 5015
Amount: 0.330681
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 16:02:08 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

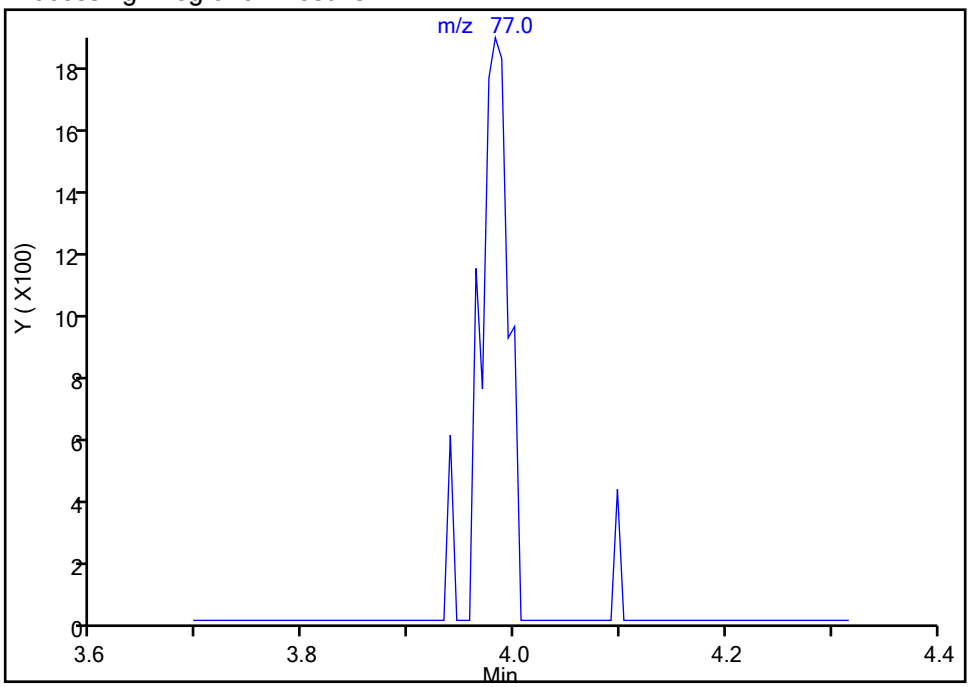
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

42 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

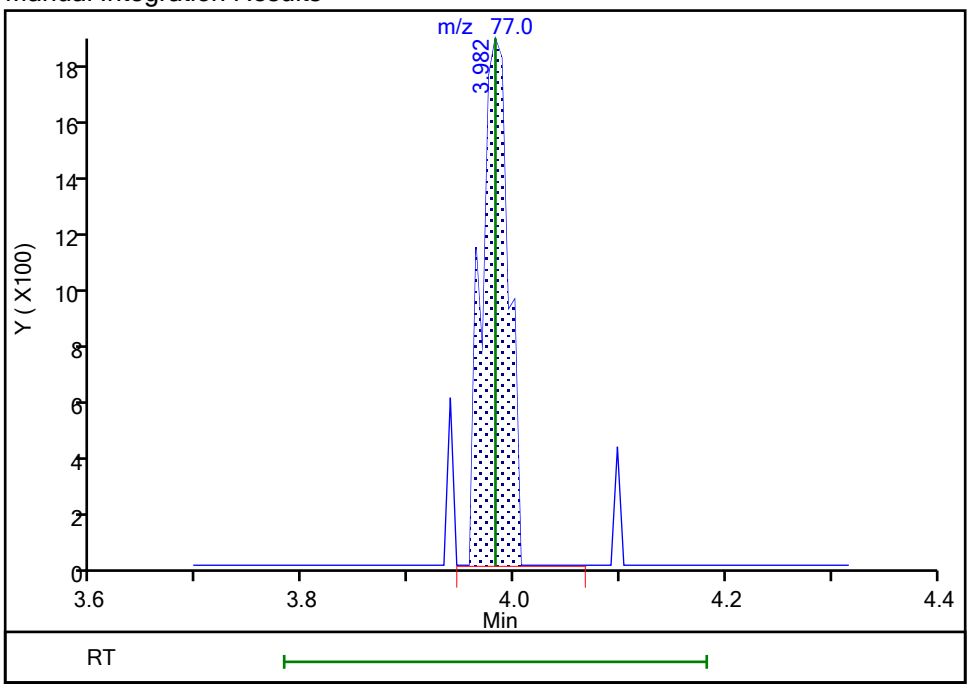
Not Detected
Expected RT: 3.98

Processing Integration Results



Manual Integration Results

RT: 3.98
Area: 3274
Amount: 0.326788
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:48:36 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

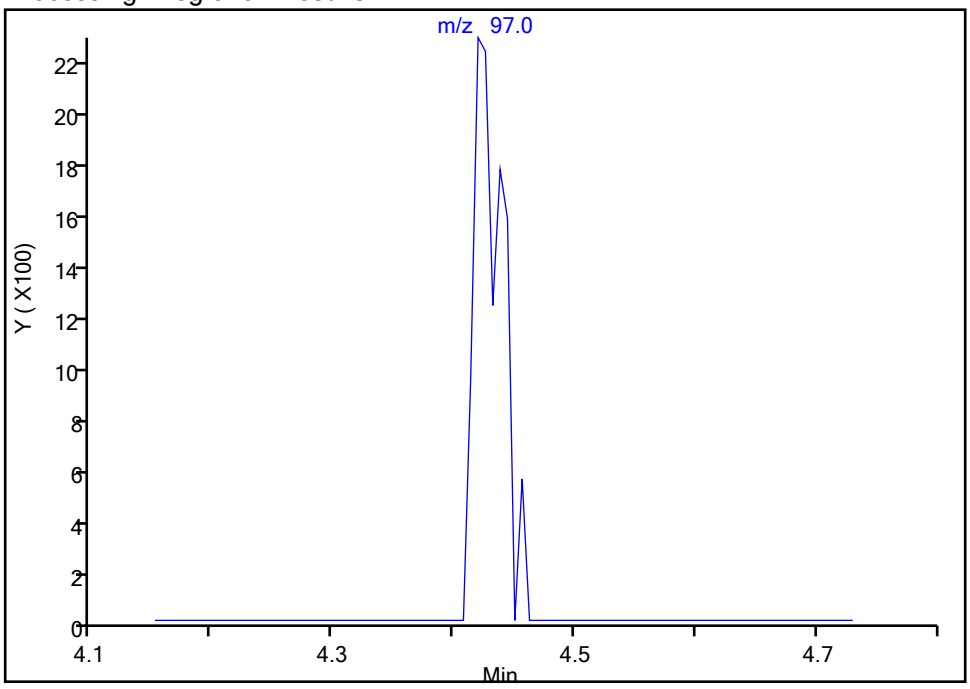
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

51 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

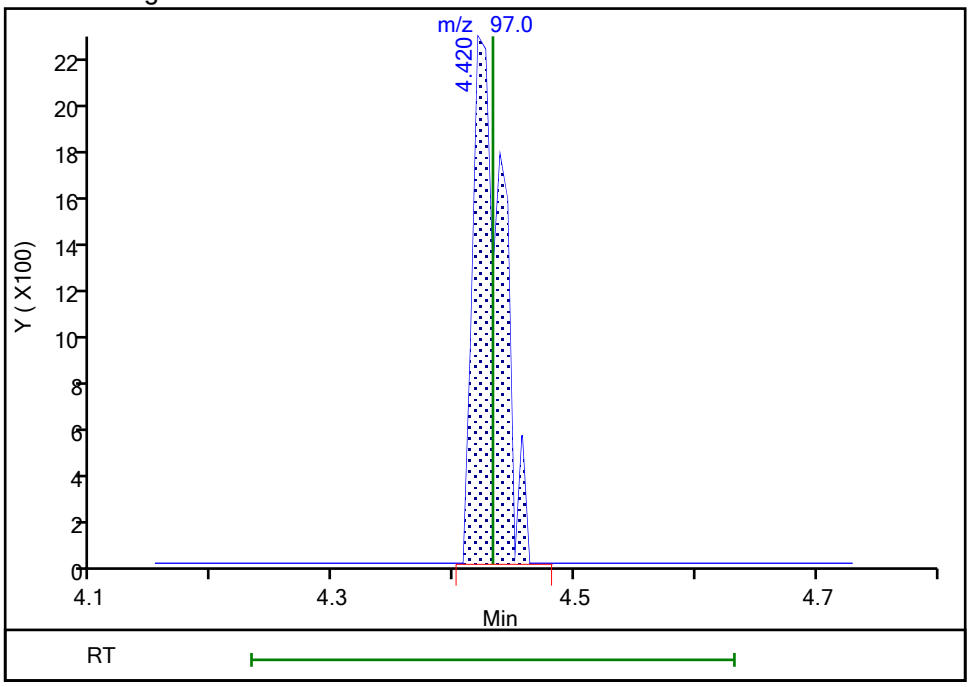
Not Detected
Expected RT: 4.43

Processing Integration Results



Manual Integration Results

RT: 4.42
Area: 3762
Amount: 0.309625
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:48:43 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

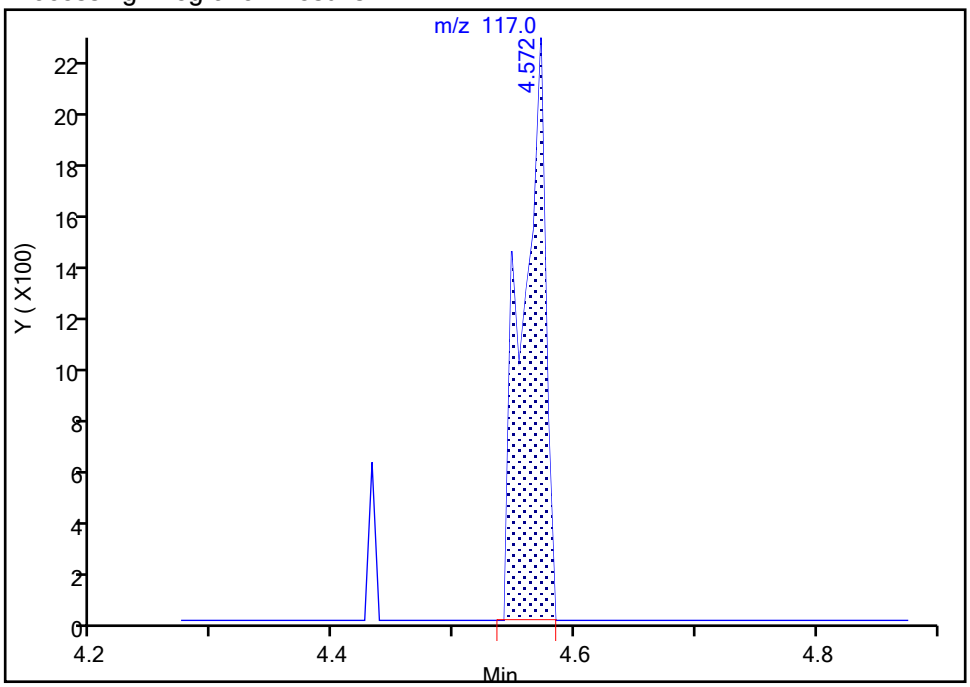
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

53 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

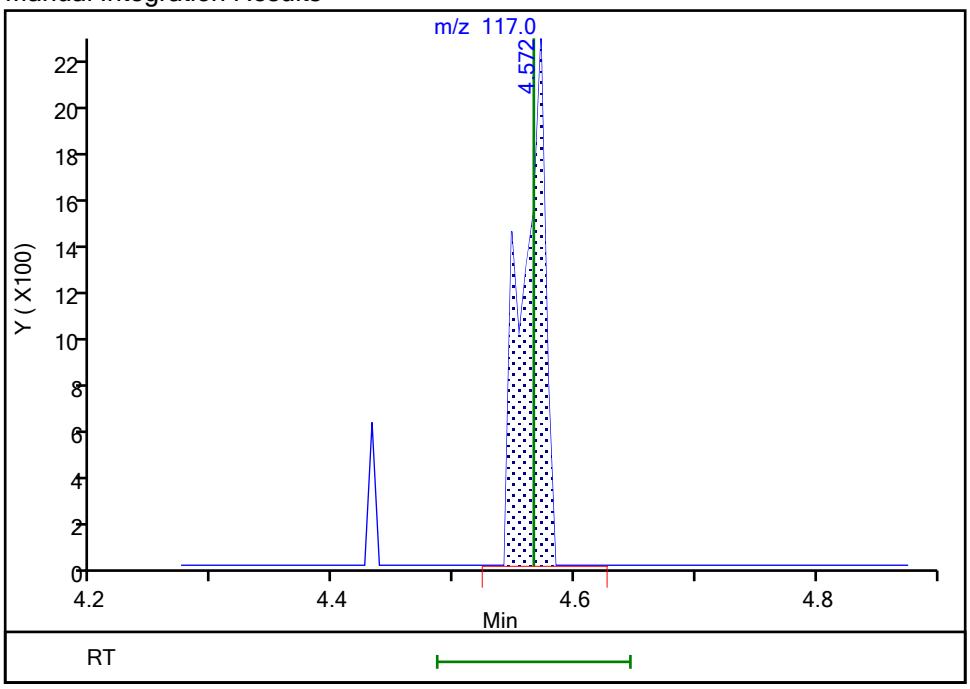
Processing Integration Results

RT: 4.57
Area: 2941
Amount: 0.312520
Amount Units: ug/L



Manual Integration Results

RT: 4.57
Area: 2941
Amount: 0.296631
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:48:49 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

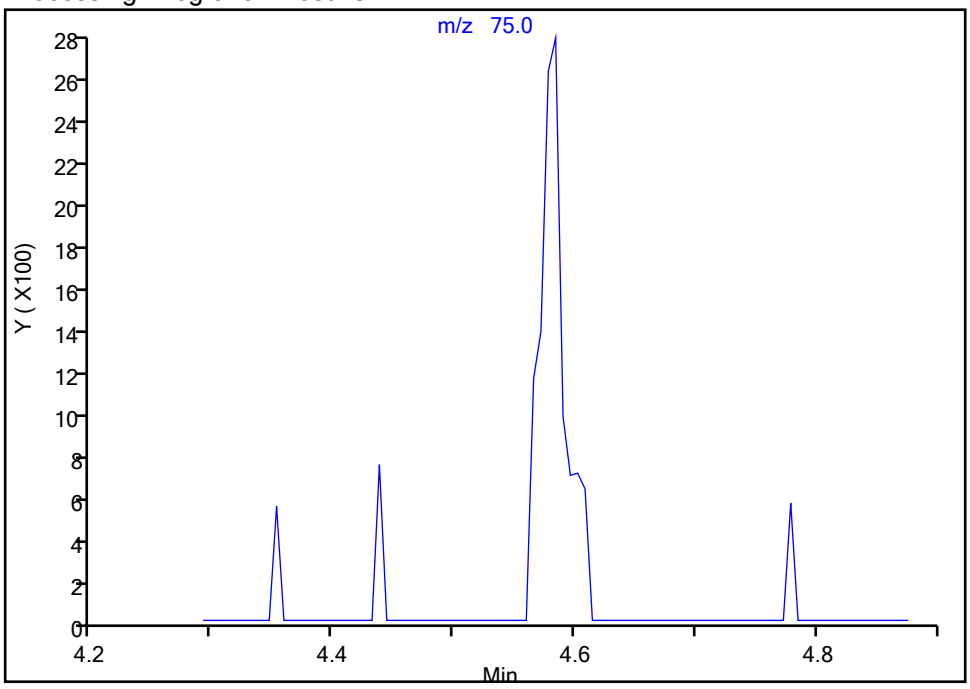
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

54 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

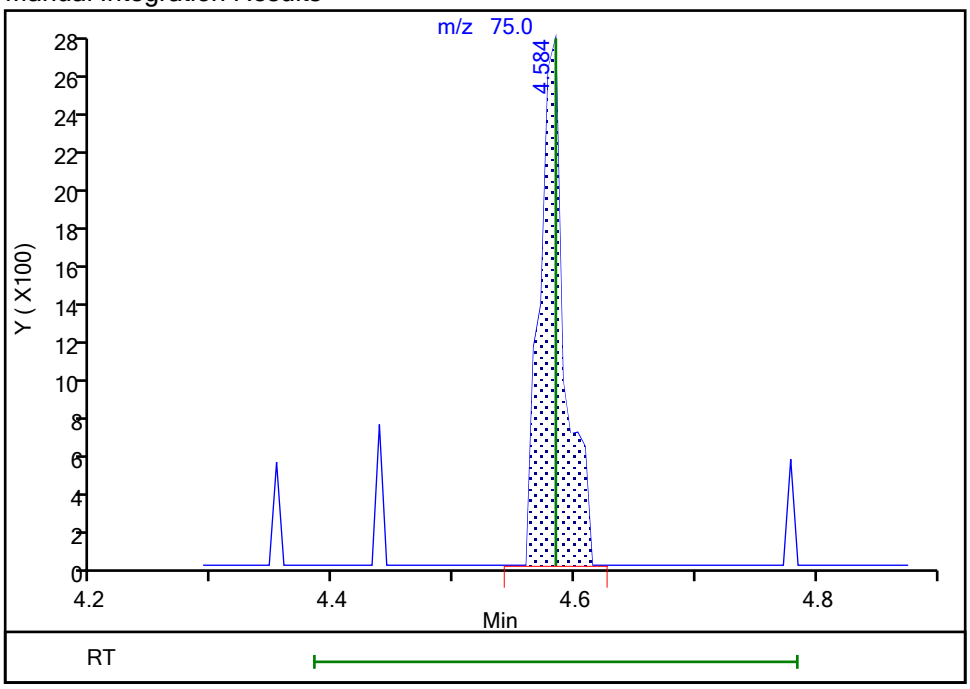
Not Detected
Expected RT: 4.58

Processing Integration Results



Manual Integration Results

RT: 4.58
Area: 3942
Amount: 0.381807
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:48:54 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

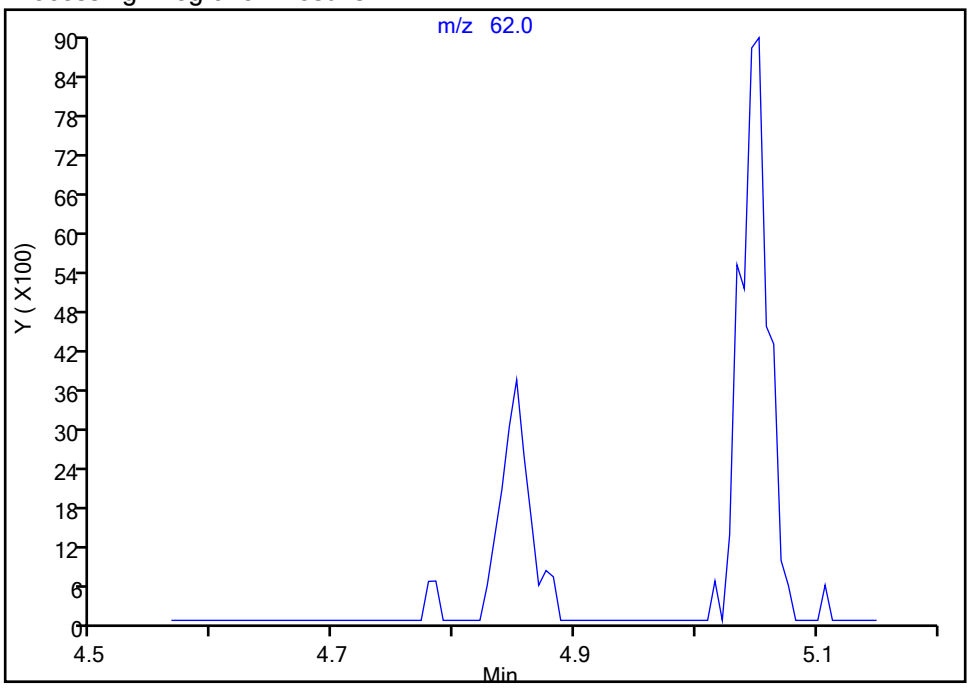
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

57 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

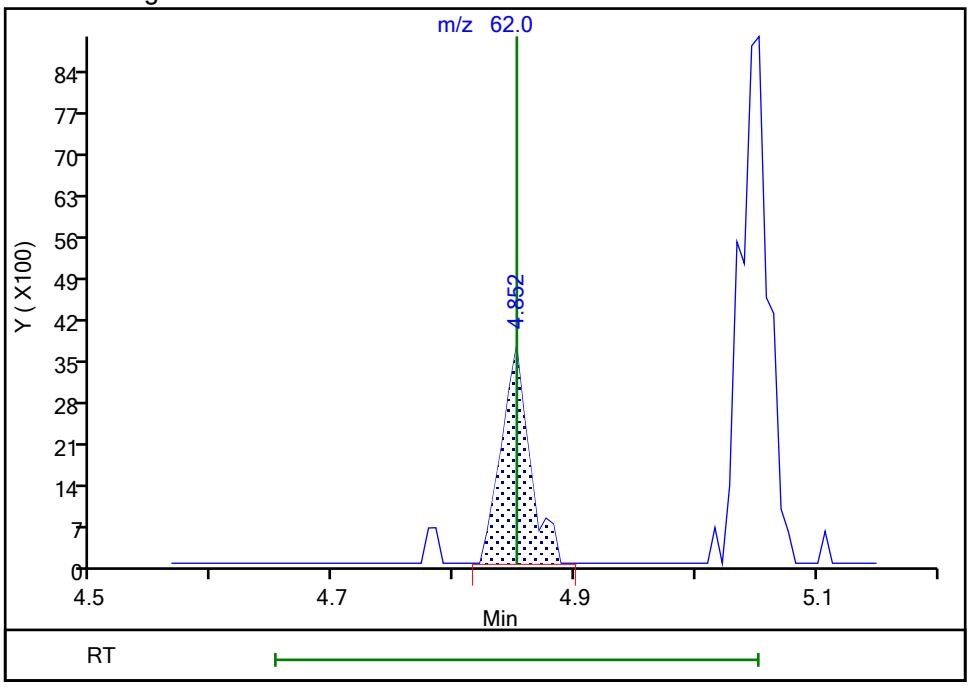
Not Detected
Expected RT: 4.85

Processing Integration Results



Manual Integration Results

RT: 4.85
Area: 6058
Amount: 0.423403
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:49:02 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

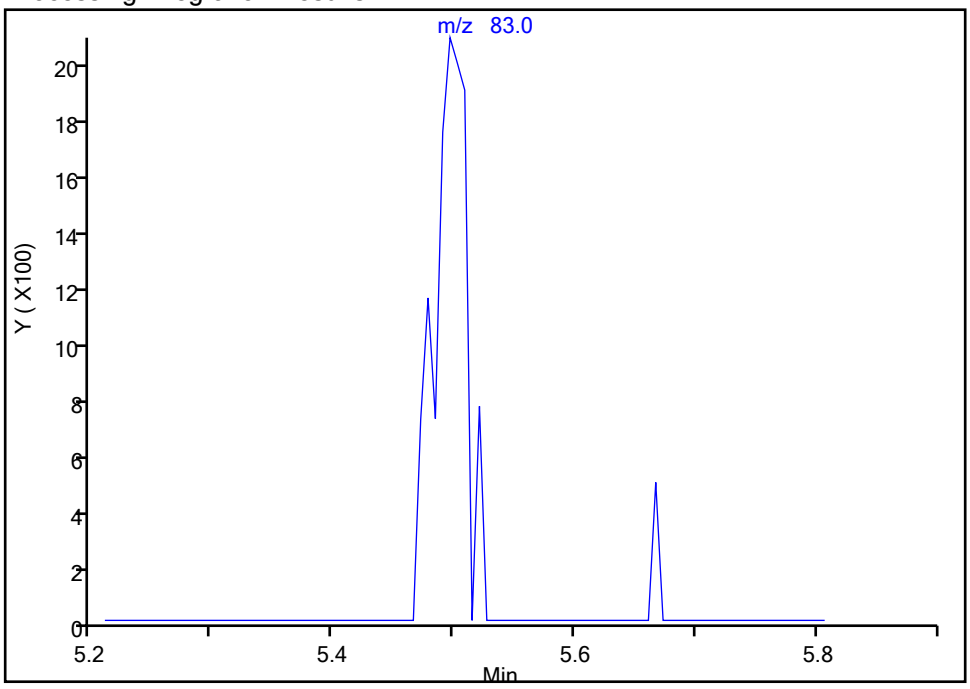
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

62 Methylcyclohexane, CAS: 108-87-2

Signal: 1

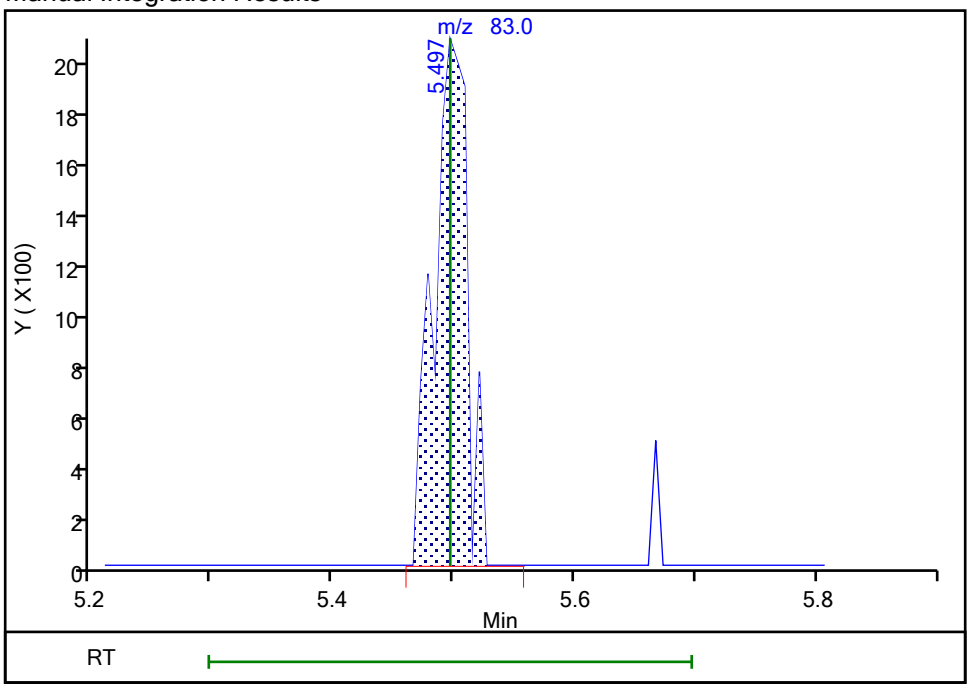
Not Detected
Expected RT: 5.50

Processing Integration Results



Manual Integration Results

RT: 5.50
Area: 3924
Amount: 0.283220
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:49:08 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

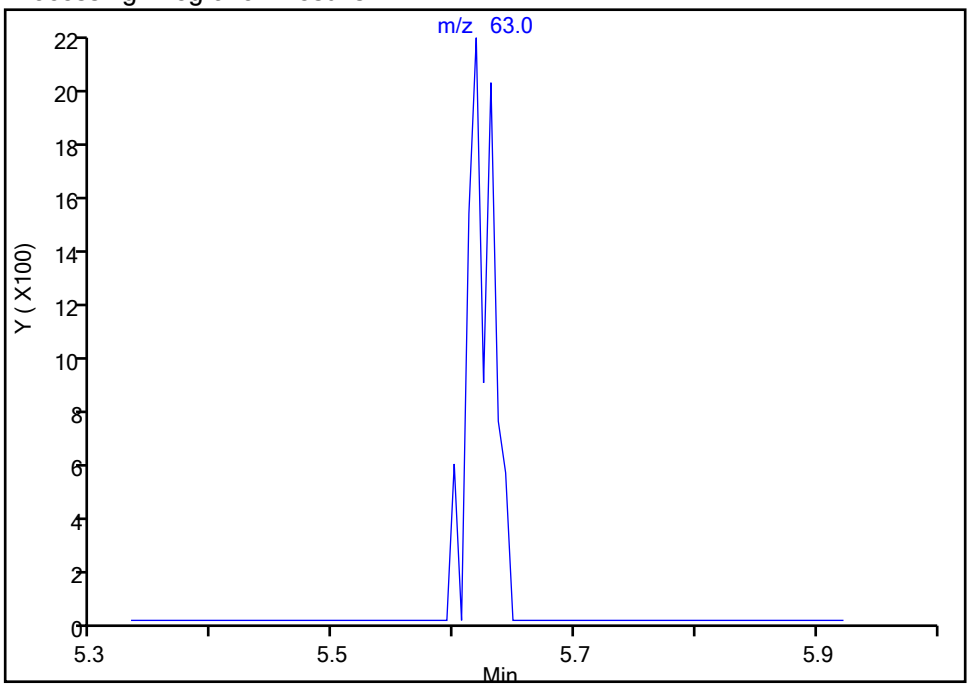
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

63 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

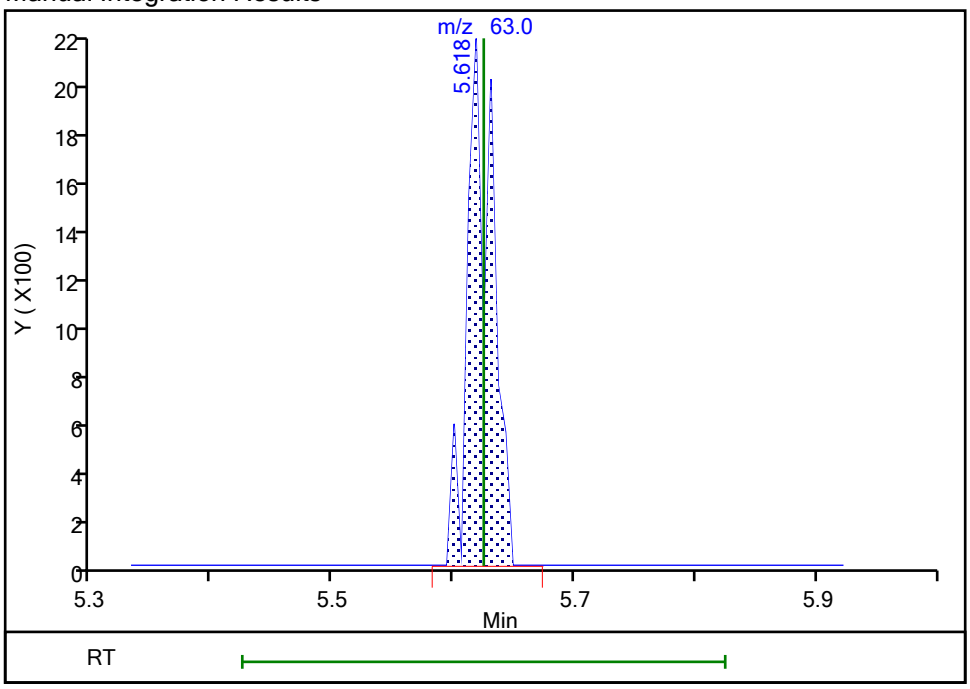
Not Detected
Expected RT: 5.62

Processing Integration Results



Manual Integration Results

RT: 5.62
Area: 3001
Amount: 0.373935
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:49:13 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

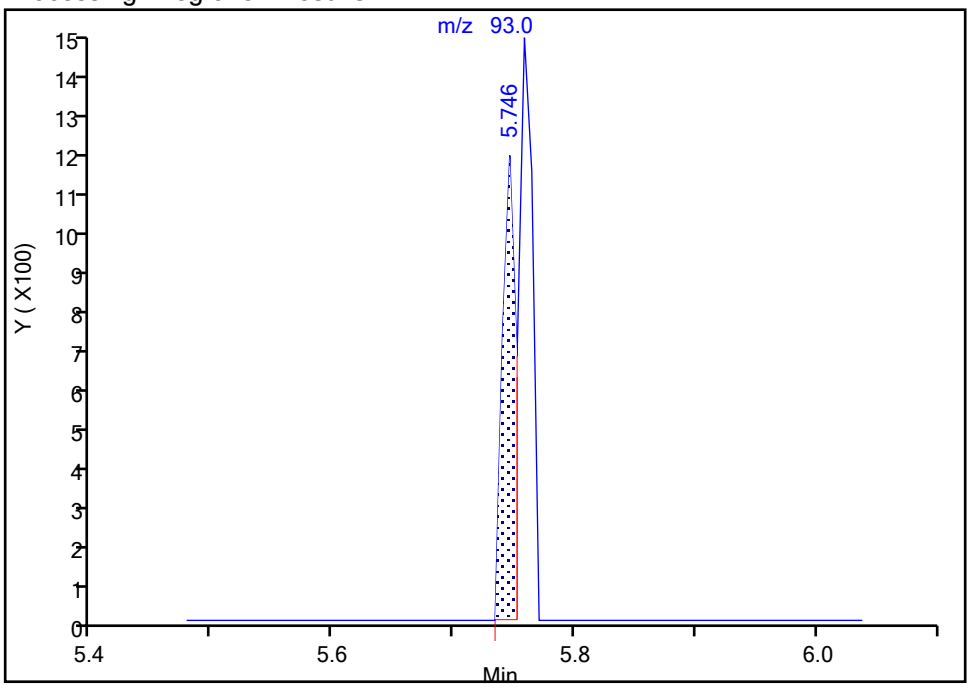
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

64 Dibromomethane, CAS: 74-95-3

Signal: 1

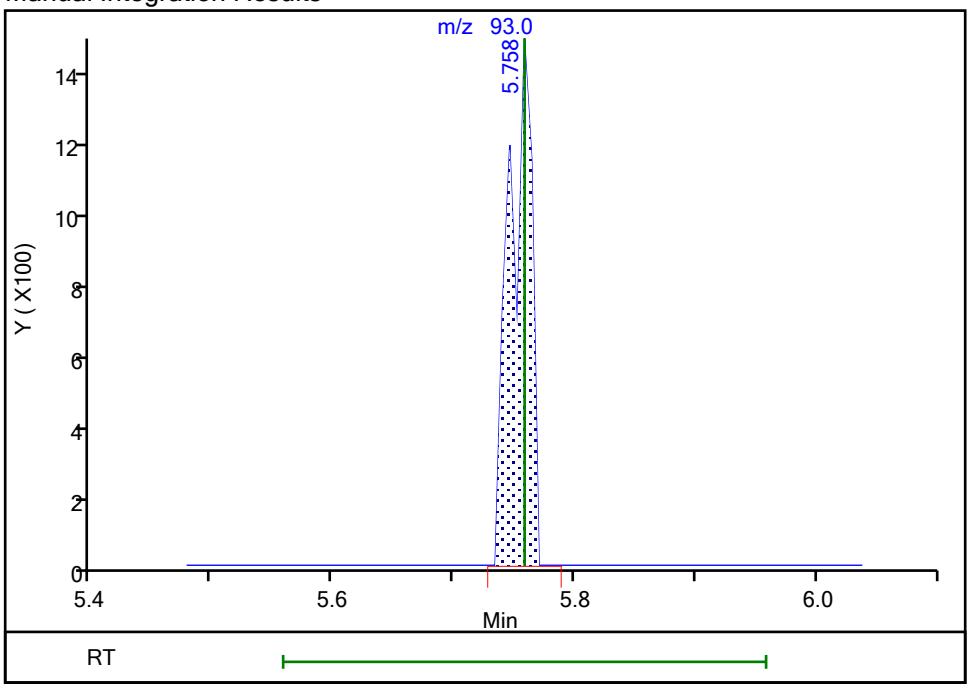
Processing Integration Results

RT: 5.75
Area: 917
Amount: 0.500000
Amount Units: ug/L



Manual Integration Results

RT: 5.76
Area: 1851
Amount: 0.380236
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 16:02:19 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

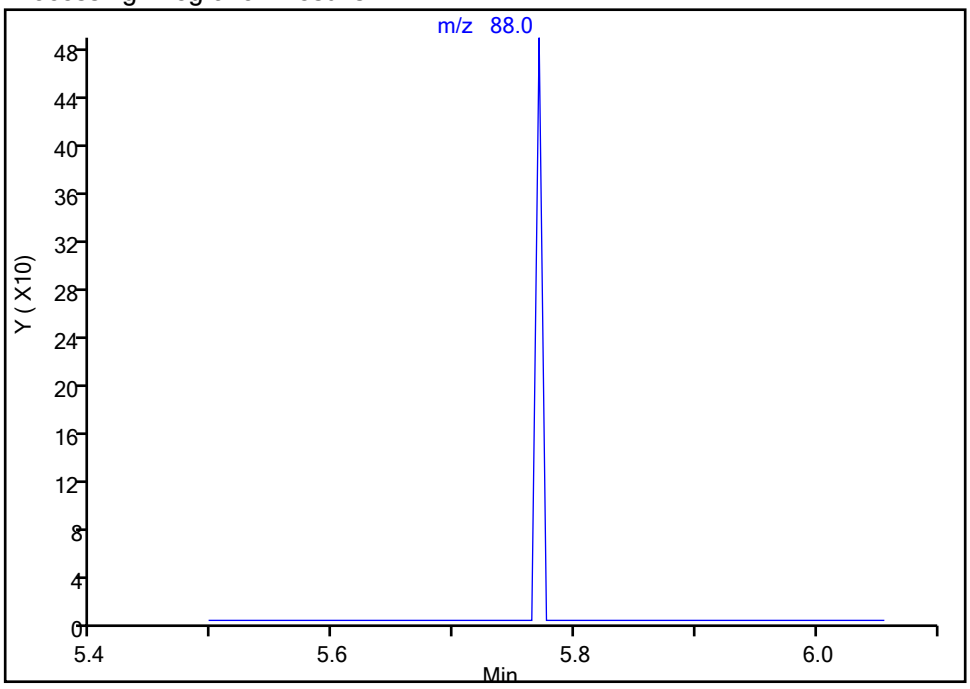
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

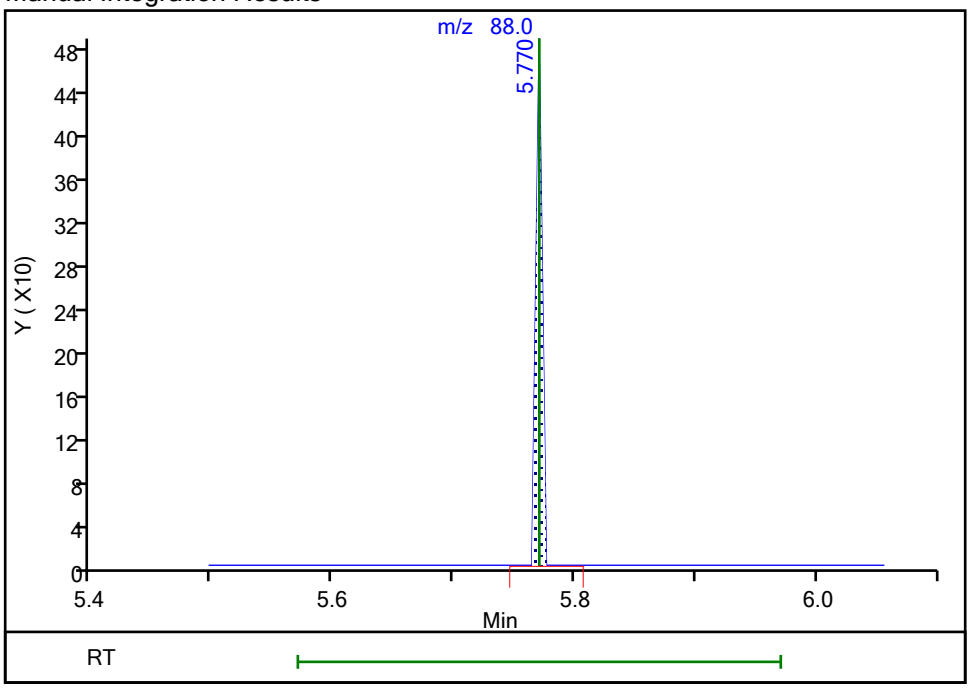
Not Detected
Expected RT: 5.77

Processing Integration Results



Manual Integration Results

RT: 5.77
Area: 178
Amount: 2.550436
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:49:19 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

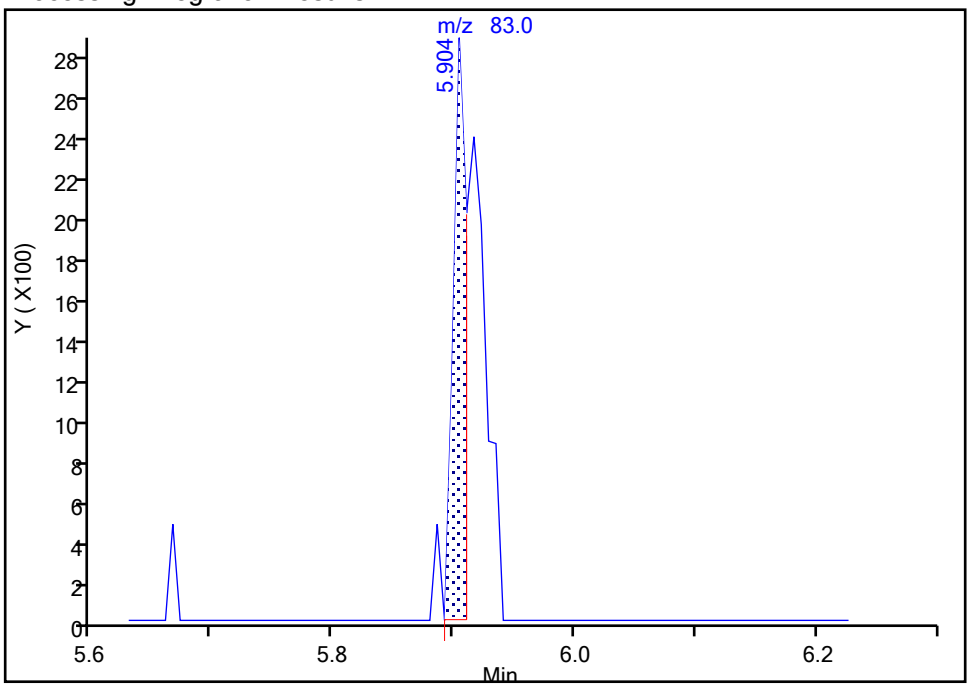
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

67 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

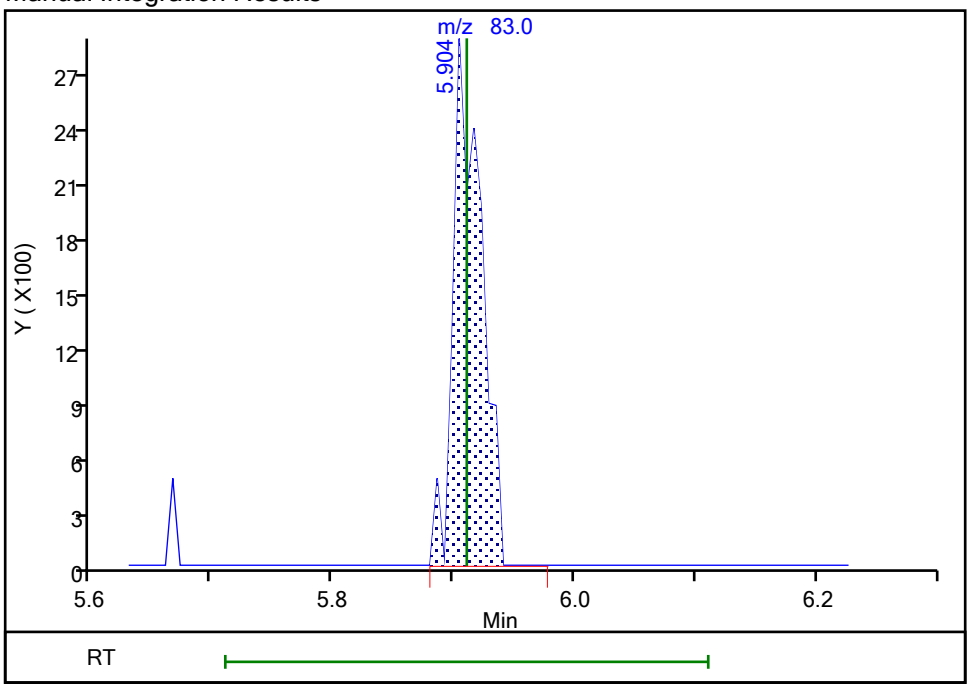
Processing Integration Results

RT: 5.90
Area: 2247
Amount: 0.500000
Amount Units: ug/L



Manual Integration Results

RT: 5.90
Area: 4667
Amount: 0.486642
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 16:02:28 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

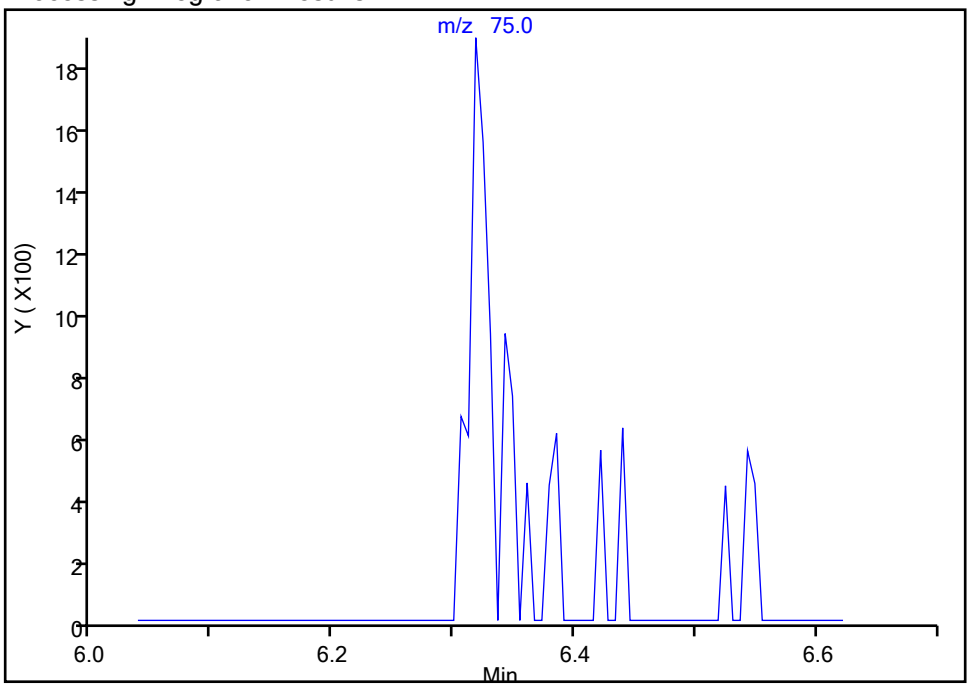
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

71 cis-1,3-Dichloropropene, CAS: 10061-01-5

Signal: 1

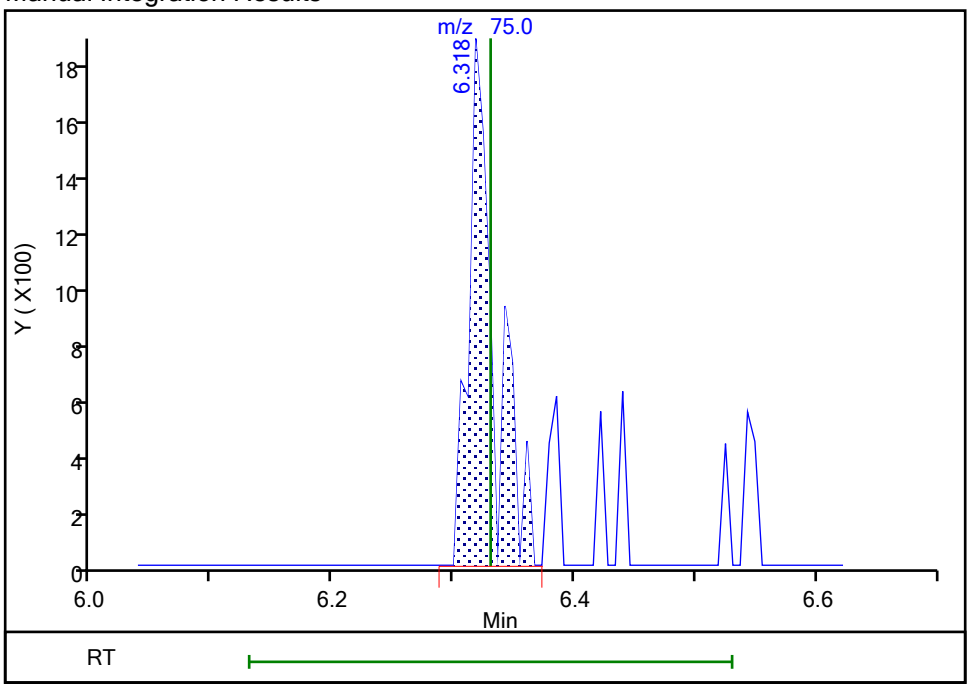
Not Detected
Expected RT: 6.33

Processing Integration Results



Manual Integration Results

RT: 6.32
Area: 2703
Amount: 0.274673
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:49:28 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

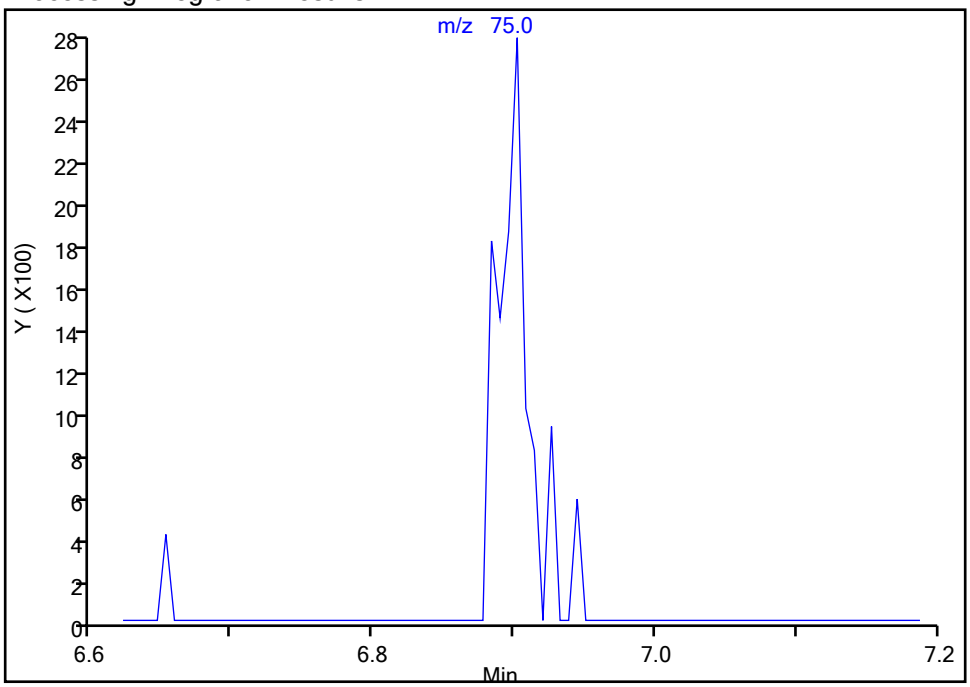
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

75 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

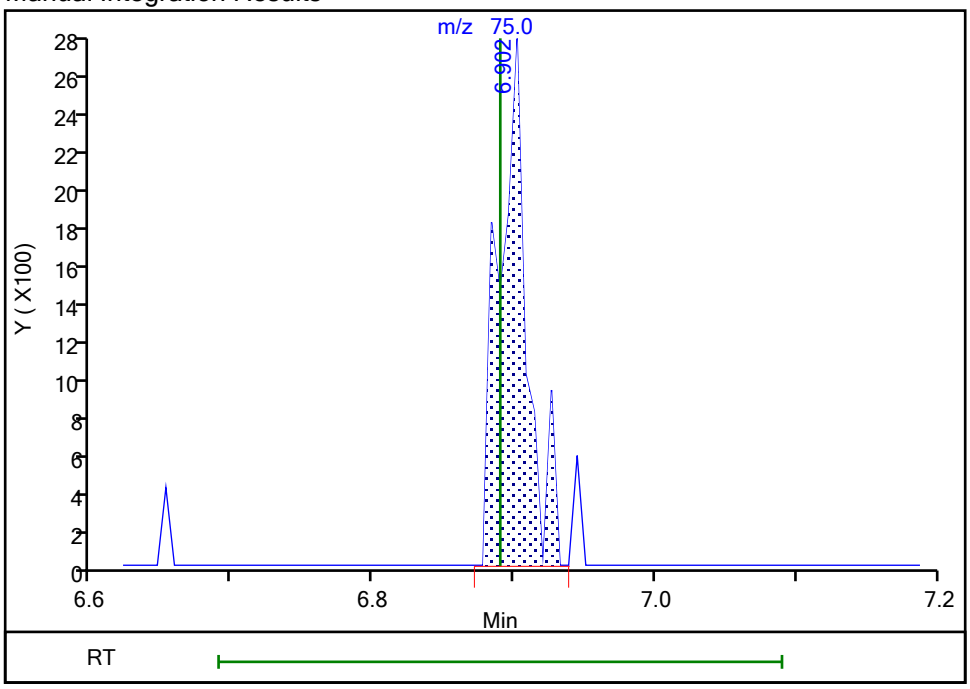
Not Detected
Expected RT: 6.89

Processing Integration Results



Manual Integration Results

RT: 6.90
Area: 3815
Amount: 0.454604
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:49:35 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

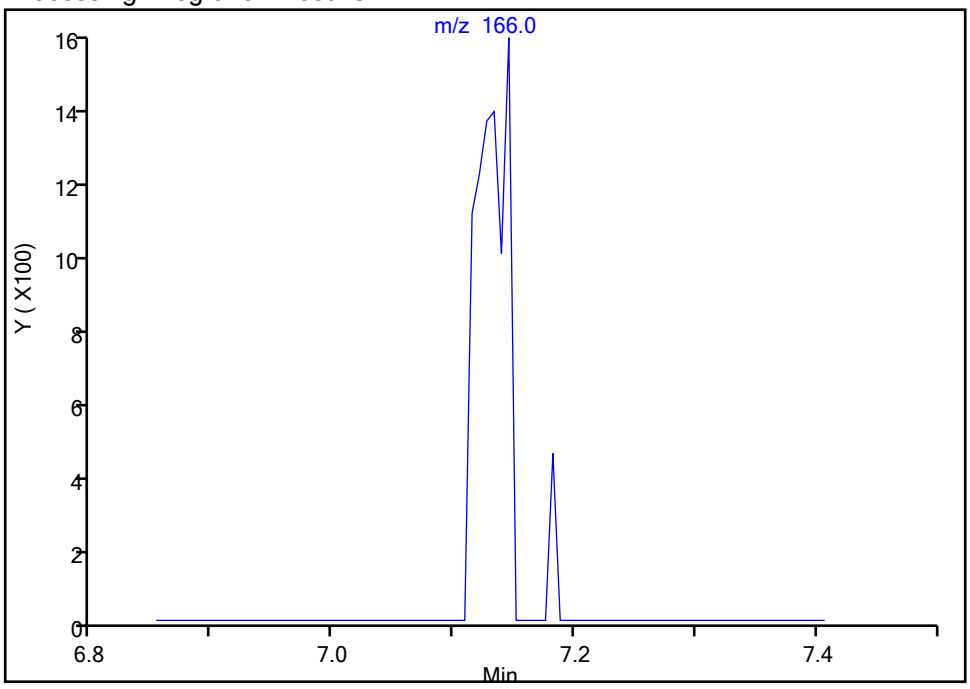
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

79 Tetrachloroethene, CAS: 127-18-4

Signal: 1

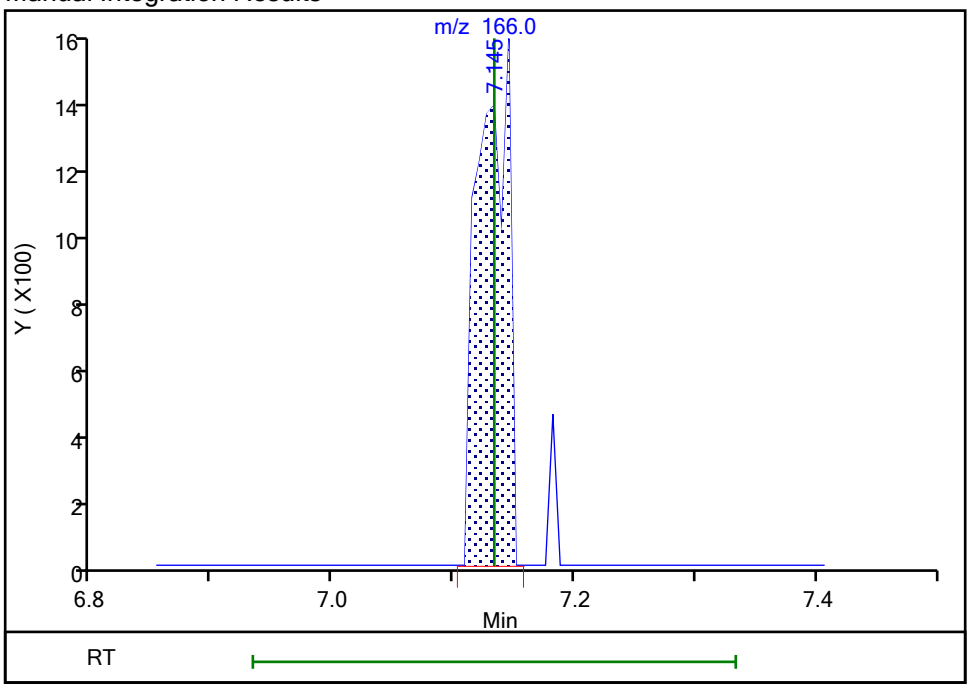
Not Detected
Expected RT: 7.13

Processing Integration Results



Manual Integration Results

RT: 7.15
Area: 2709
Amount: 0.371240
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:49:41 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

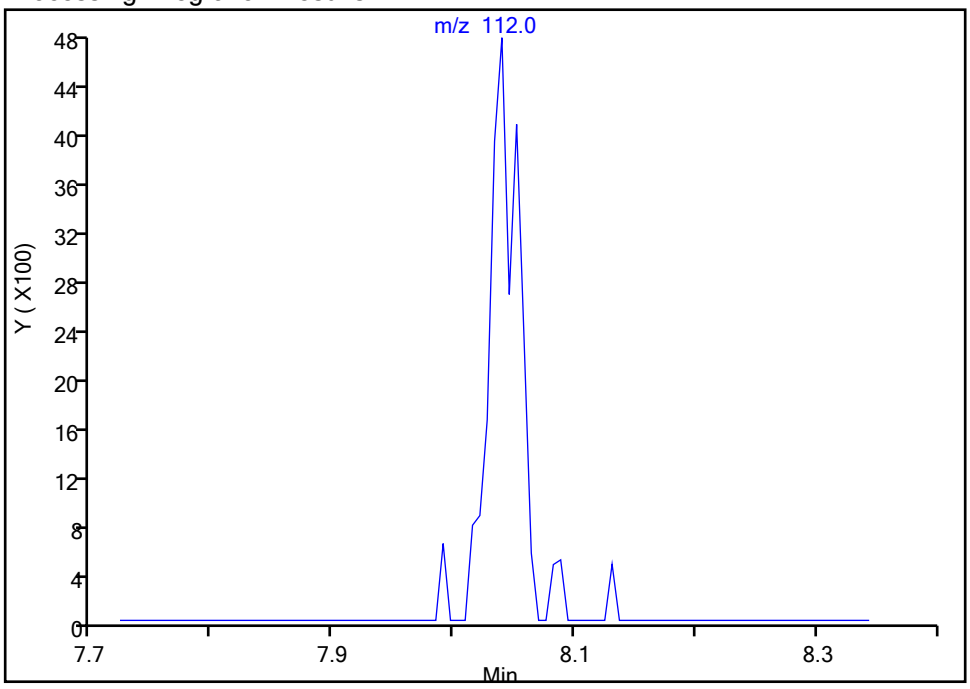
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

85 Chlorobenzene, CAS: 108-90-7

Signal: 1

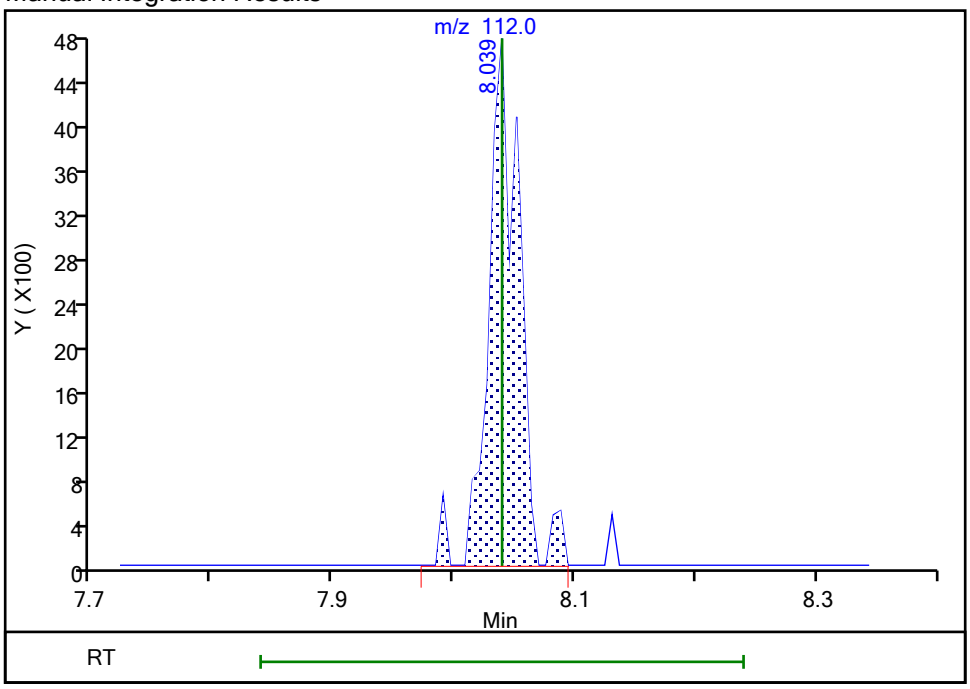
Not Detected
Expected RT: 8.04

Processing Integration Results



Manual Integration Results

RT: 8.04
Area: 8479
Amount: 0.418693
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:49:48 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

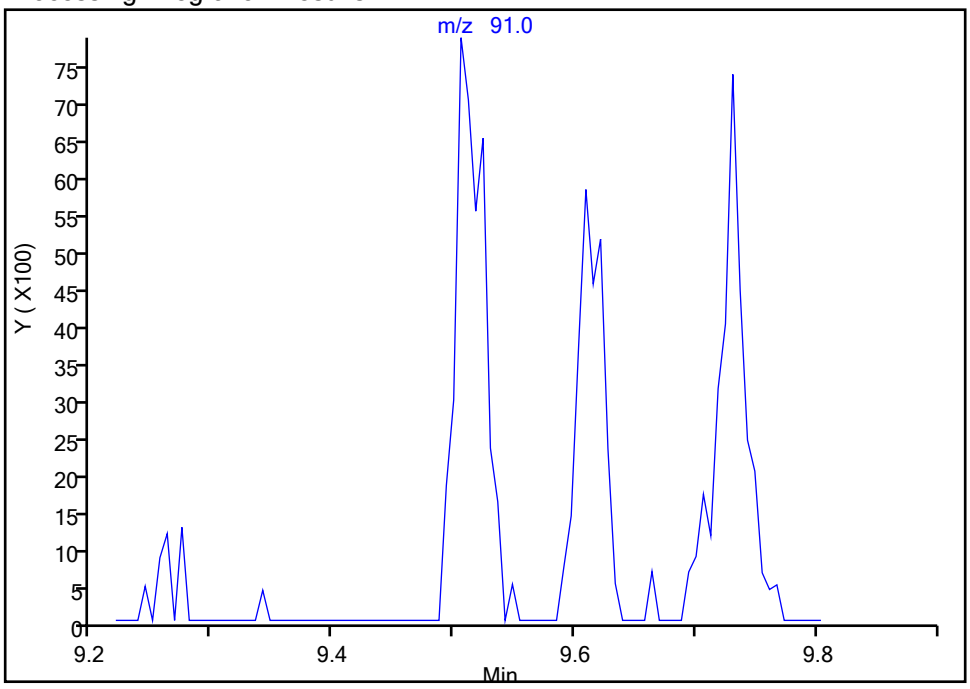
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

100 N-Propylbenzene, CAS: 103-65-1

Signal: 1

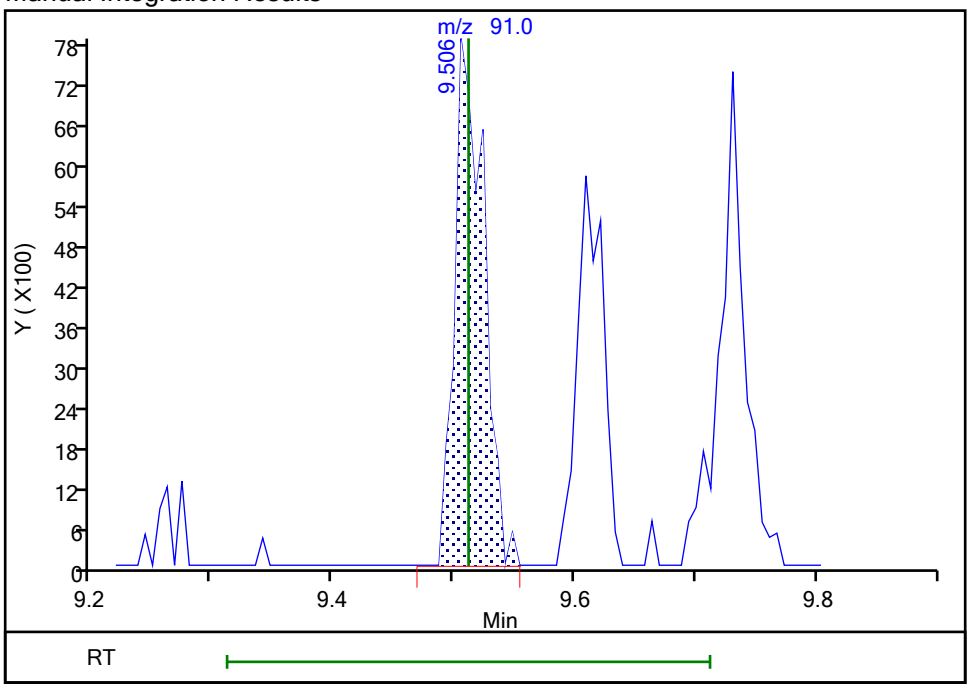
Not Detected
Expected RT: 9.51

Processing Integration Results



Manual Integration Results

RT: 9.51
Area: 13095
Amount: 0.316155
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:49:58 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

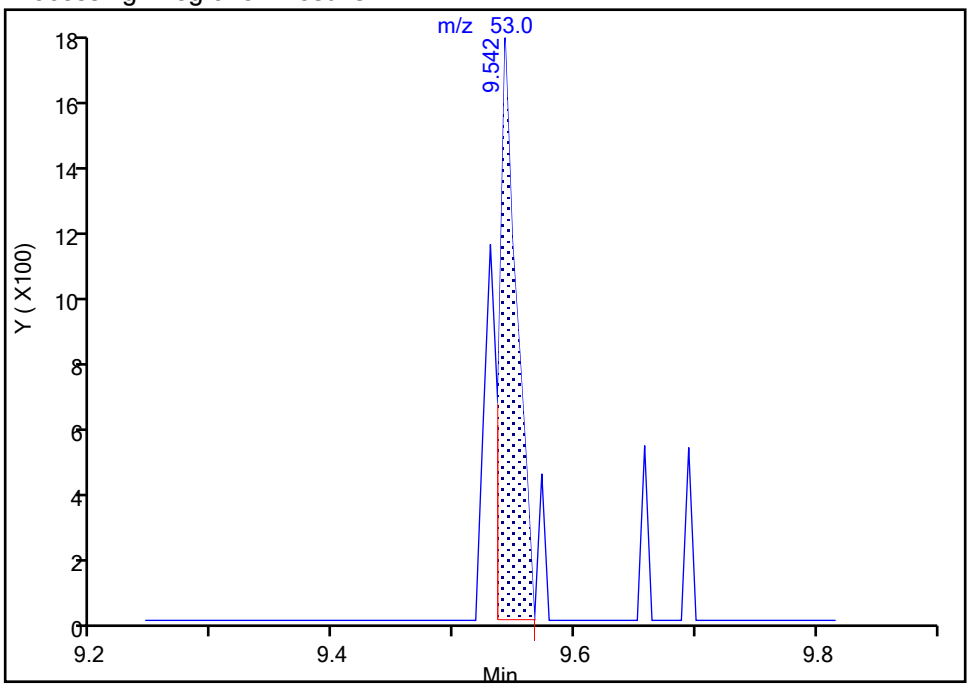
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

101 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

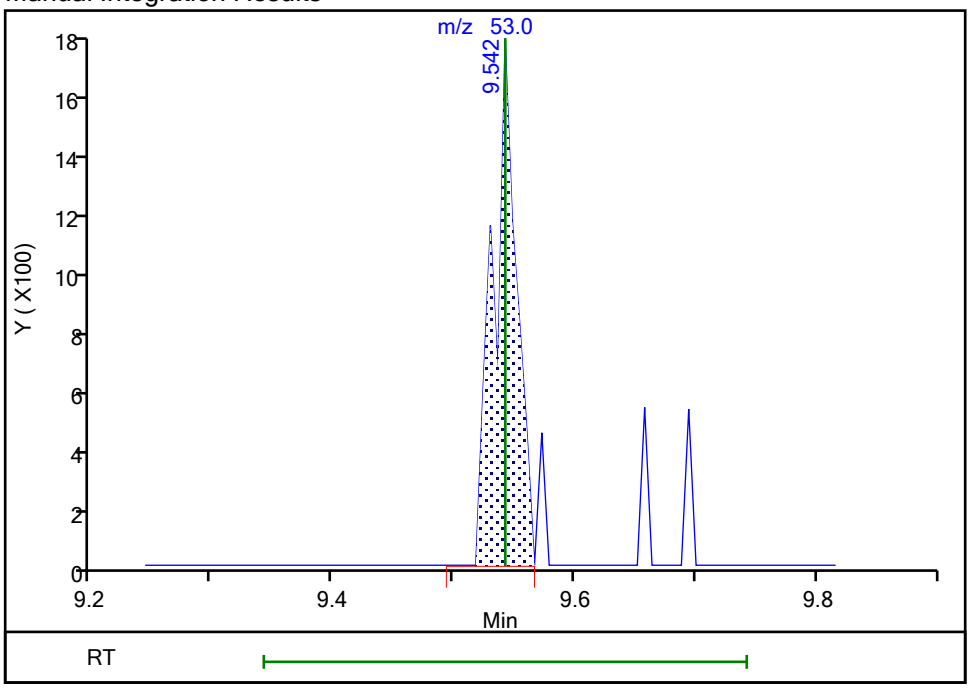
Processing Integration Results

RT: 9.54
Area: 1767
Amount: 0.500000
Amount Units: ug/L



Manual Integration Results

RT: 9.54
Area: 2400
Amount: 0.507886
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 16:02:51 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

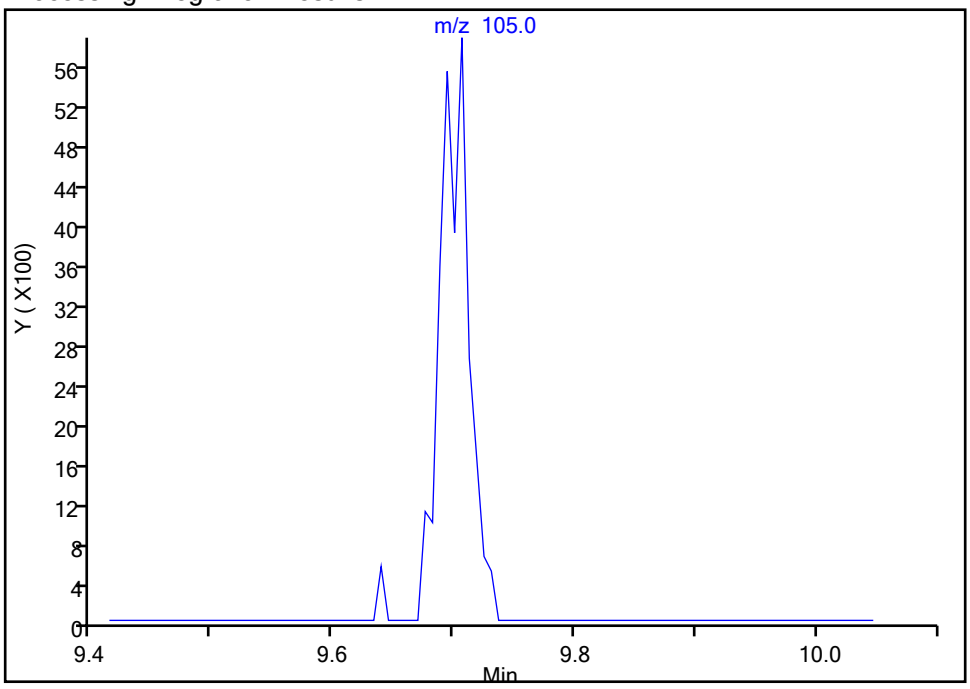
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

104 1,3,5-Trimethylbenzene, CAS: 108-67-8

Signal: 1

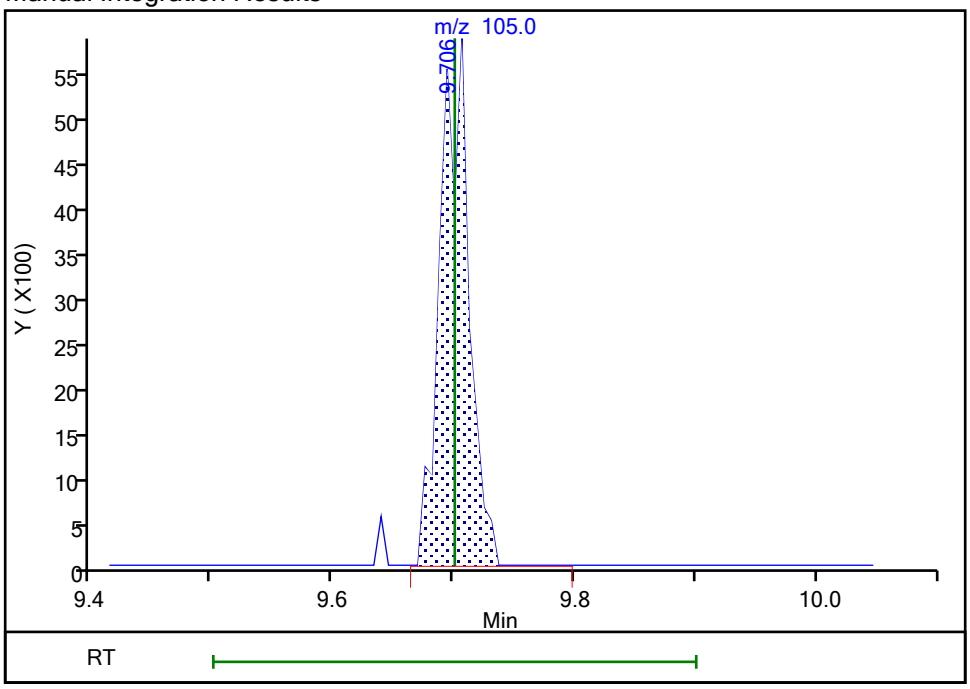
Not Detected
Expected RT: 9.70

Processing Integration Results



Manual Integration Results

RT: 9.71
Area: 9655
Amount: 0.307876
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:50:04 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

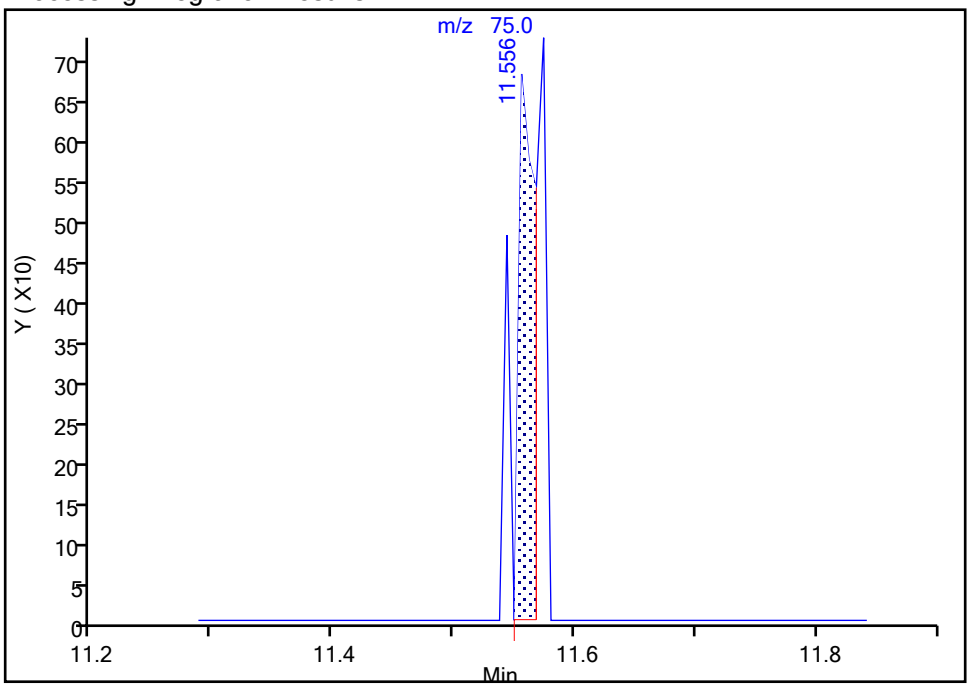
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

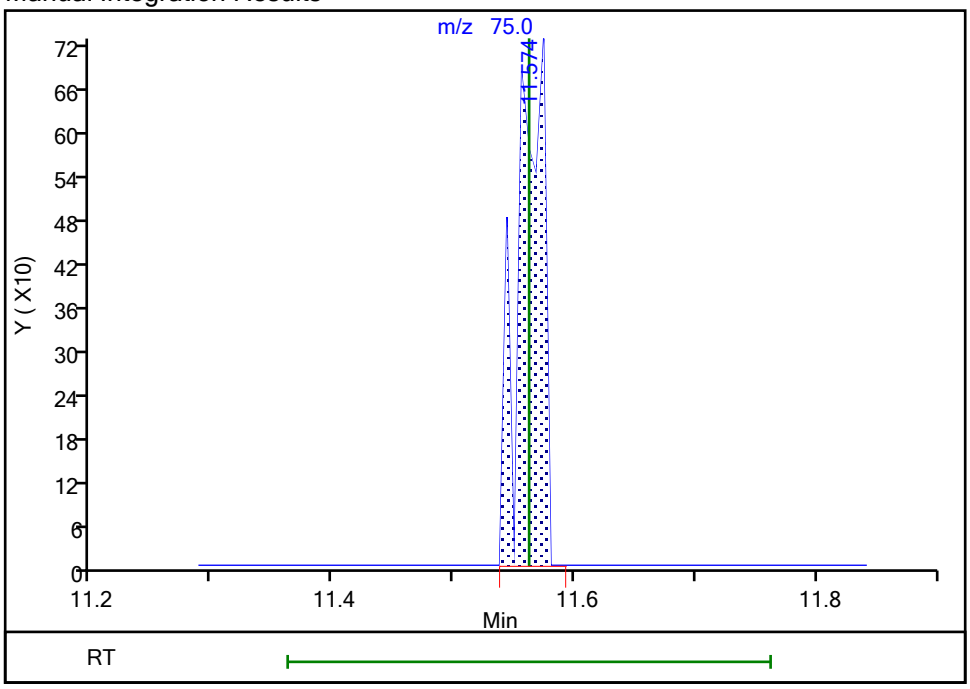
Processing Integration Results

RT: 11.56
Area: 652
Amount: 0.500000
Amount Units: ug/L



Manual Integration Results

RT: 11.57
Area: 1090
Amount: 0.411776
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 16:03:02 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

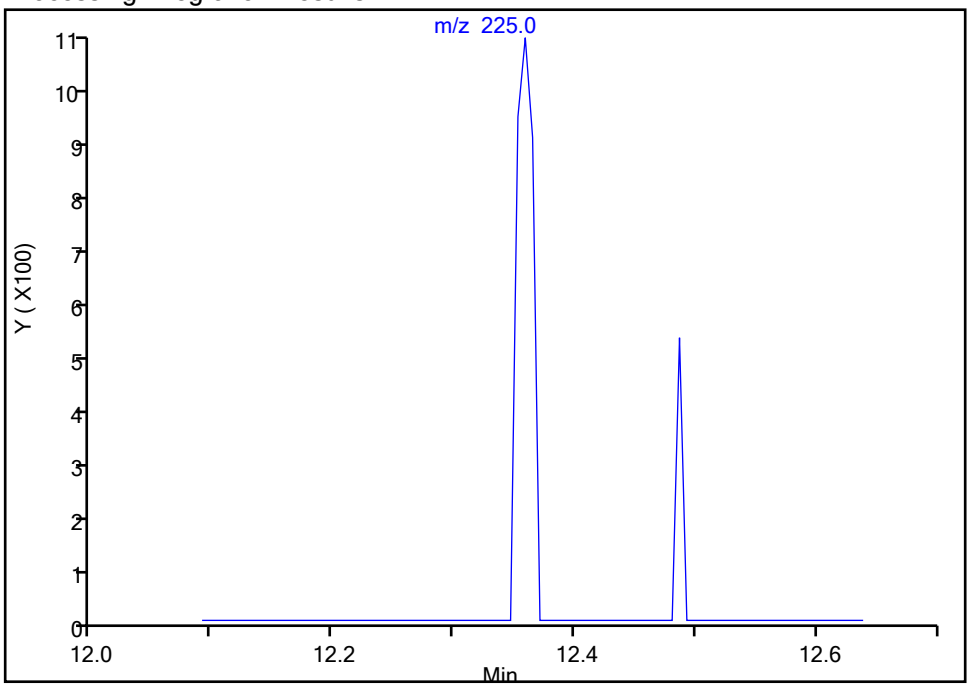
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

120 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

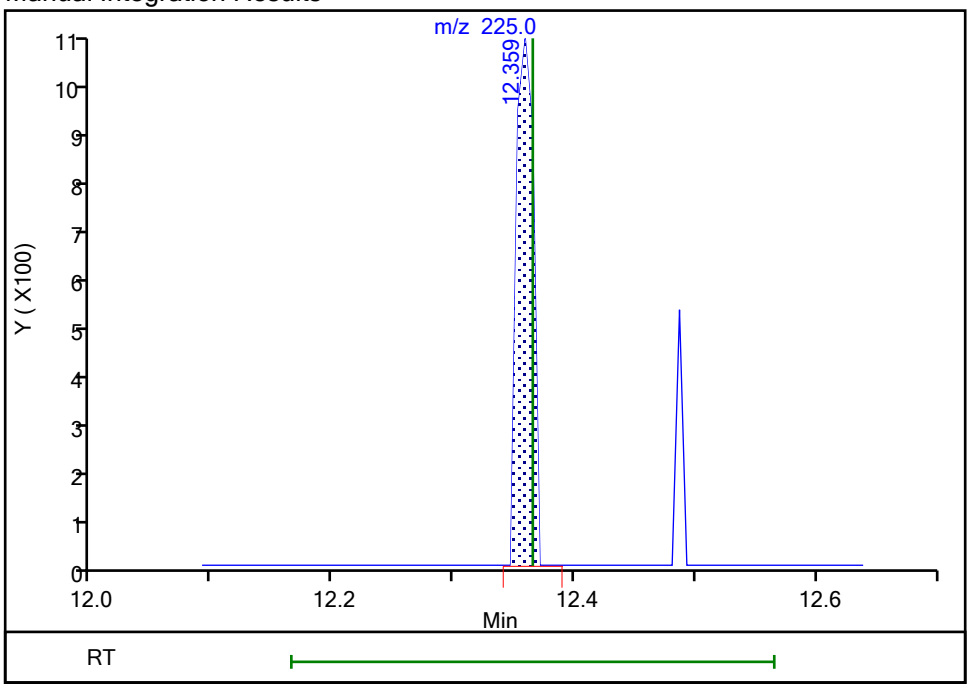
Not Detected
Expected RT: 12.37

Processing Integration Results



Manual Integration Results

RT: 12.36
Area: 1021
Amount: 0.551015
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 09:53:03 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

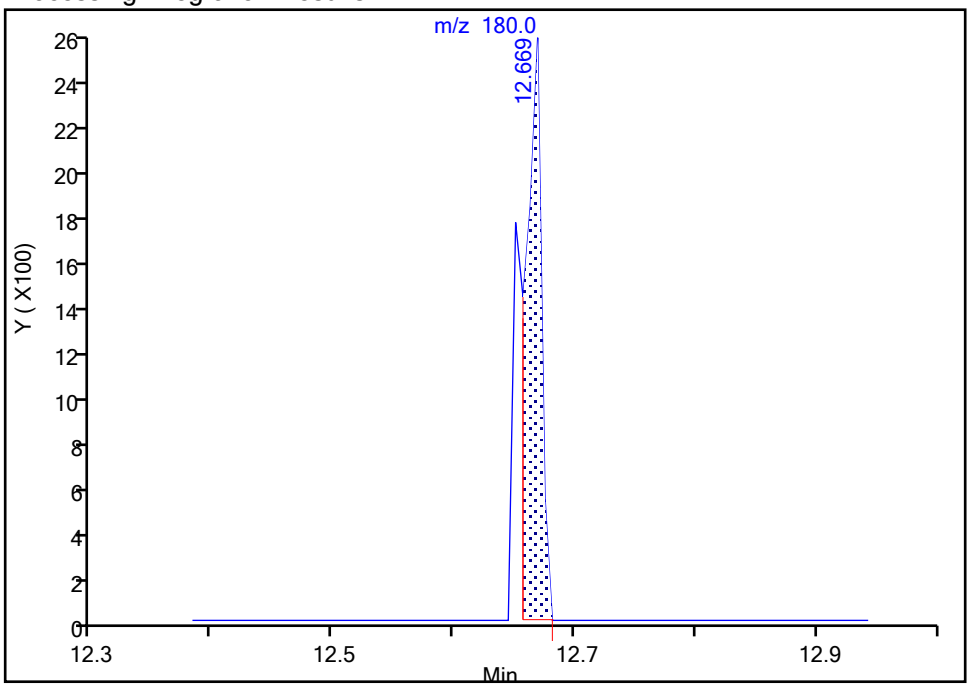
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5481.d
Injection Date: 12-Mar-2024 15:37:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

122 1,2,3-Trichlorobenzene, CAS: 87-61-6

Signal: 1

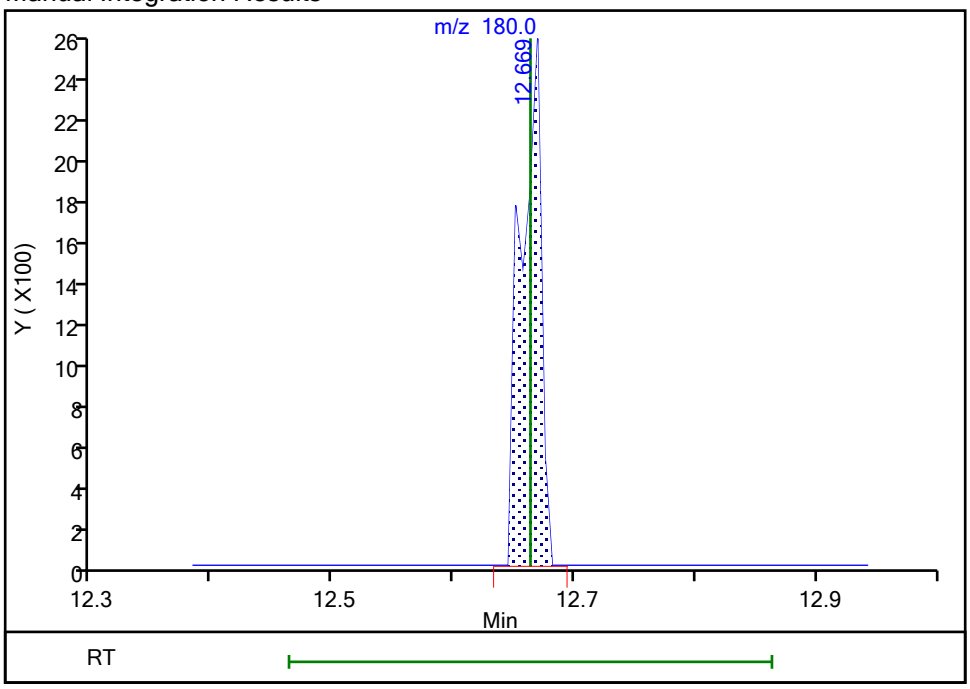
Processing Integration Results

RT: 12.67
Area: 2312
Amount: 0.500000
Amount Units: ug/L



Manual Integration Results

RT: 12.67
Area: 2949
Amount: 0.254326
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 16:03:08 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5482.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 12-Mar-2024 15:59:30 ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0116708-012
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2024 10:17:41 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: WLL8 Date: 12-Mar-2024 20:42:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.046	5.047	0.000	97	164038	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.015	8.009	0.006	90	596267	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.443	10.443	0.000	97	372213	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.481	4.481	0.000	92	290208	25.0	26.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.779	4.779	0.000	98	348923	25.0	25.6	
$ 6 Toluene-d8 (Surr)	98	6.543	6.543	0.000	94	807213	25.0	25.8	
$ 7 4-Bromofluorobenzene (Surr)	174	9.268	9.269	0.000	90	262211	25.0	25.2	
11 Dichlorodifluoromethane	85	1.147	1.141	0.006	94	10609	1.00	1.17	
13 Chloromethane	50	1.287	1.293	-0.006	98	17455	1.00	1.09	
14 Vinyl chloride	62	1.378	1.372	0.006	43	7380	1.00	0.8193	
144 Butadiene	54	1.384	1.384	0.000	95	17997	1.00	1.11	
15 Bromomethane	94	1.646	1.646	0.000	44	6066	1.00	1.02	
16 Chloroethane	64	1.707	1.713	-0.006	48	6006	1.00	0.9276	Ma
18 Trichlorofluoromethane	101	1.901	1.901	0.000	0	8325	1.00	0.7481	M
17 Dichlorofluoromethane	67	1.901	1.907	-0.006	74	17062	1.00	0.9827	
19 Ethyl ether	59	2.163	2.163	0.000	84	10676	1.00	0.9772	
20 Acrolein	56	2.327	2.333	-0.006	0	2912	5.00	5.17	M
22 1,1-Dichloroethene	96	2.358	2.364	-0.006	92	8560	1.00	1.12	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.376	2.364	0.012	59	7484	1.00	0.9536	
23 Acetone	43	2.473	2.479	-0.006	97	44349	5.00	6.42	
24 Iodomethane	142	2.516	2.516	0.000	96	14539	1.00	1.08	
25 Carbon disulfide	76	2.540	2.546	-0.006	98	23751	1.00	0.9857	
27 3-Chloro-1-propene	41	2.716	2.716	0.000	81	22701	1.00	0.9559	
28 Methyl acetate	43	2.759	2.765	-0.006	98	40872	2.00	2.30	M
30 Methylene Chloride	84	2.856	2.856	0.000	86	12249	1.00	1.24	
31 2-Methyl-2-propanol	59	3.027	3.027	0.000	94	23549	10.0	12.0	
32 Methyl tert-butyl ether	73	3.057	3.057	0.000	96	30683	1.00	0.99	
33 trans-1,2-Dichloroethene	96	3.075	3.075	0.000	96	9674	1.00	1.11	
34 Acrylonitrile	53	3.130	3.130	0.000	96	94912	10.0	11.5	
35 Hexane	57	3.264	3.264	0.000	91	13246	1.00	0.8879	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.483	3.477	0.006	94	18905	1.00	1.03	
39 Vinyl acetate	43	3.544	3.538	0.006	96	55696	2.00	2.06	
42 2,2-Dichloropropane	77	3.976	3.982	-0.006	78	10857	1.00	1.10	
43 cis-1,2-Dichloroethene	96	4.018	4.018	0.000	82	9717	1.00	1.01	
44 2-Butanone (MEK)	43	4.055	4.055	0.000	95	53046	5.00	5.62	
47 Chlorobromomethane	128	4.256	4.250	0.006	84	5544	1.00	1.07	
49 Tetrahydrofuran	42	4.268	4.262	0.006	90	15288	2.00	2.17	
50 Chloroform	83	4.329	4.329	0.000	96	18692	1.00	1.15	
51 1,1,1-Trichloroethane	97	4.432	4.432	0.000	78	10309	1.00	0.8625	
52 Cyclohexane	56	4.432	4.438	-0.006	92	16694	1.00	0.8433	
53 Carbon tetrachloride	117	4.566	4.566	0.000	82	7800	1.00	0.7998	
54 1,1-Dichloropropene	75	4.578	4.584	-0.006	84	10280	1.00	1.01	
55 Benzene	78	4.779	4.779	0.000	42	29943	1.00	0.9828	
56 Isobutyl alcohol	43	4.821	4.821	0.000	91	26189	25.0	28.0	
57 1,2-Dichloroethane	62	4.846	4.852	-0.006	93	16510	1.00	1.17	
59 n-Heptane	43	4.967	4.967	0.000	89	15275	1.00	0.9122	
60 Trichloroethene	95	5.381	5.387	-0.006	68	7490	1.00	1.00	
62 Methylcyclohexane	83	5.503	5.497	0.006	89	9633	1.00	0.7068	M
63 1,2-Dichloropropane	63	5.618	5.624	-0.006	82	7671	1.00	0.9717	
64 Dibromomethane	93	5.752	5.758	-0.006	90	4231	1.00	0.8836	M
66 1,4-Dioxane	88	5.777	5.770	0.006	30	2004	20.0	28.9	
67 Dichlorobromomethane	83	5.916	5.910	0.006	91	8292	1.00	0.8790	
69 2-Chloroethyl vinyl ether	63	6.202	6.196	0.006	78	5015	1.00	1.04	
71 cis-1,3-Dichloropropene	75	6.318	6.330	-0.012	80	8515	1.00	0.8796	
72 4-Methyl-2-pentanone (MIBK)	58	6.470	6.476	-0.006	96	32024	5.00	5.21	
73 Toluene	92	6.610	6.610	0.000	94	16760	1.00	0.99	
75 trans-1,3-Dichloropropene	75	6.896	6.890	0.006	94	7892	1.00	0.9462	
77 Ethyl methacrylate	69	6.951	6.951	0.000	92	9215	1.00	0.99	
78 1,1,2-Trichloroethane	83	7.084	7.078	0.006	0	5289	1.00	1.01	M
79 Tetrachloroethene	166	7.127	7.133	-0.006	90	7691	1.00	1.06	
80 1,3-Dichloropropane	76	7.237	7.237	0.000	94	10092	1.00	0.9803	
82 2-Hexanone	43	7.316	7.310	0.006	96	69765	5.00	5.33	
83 Chlorodibromomethane	129	7.468	7.468	0.000	93	6098	1.00	0.9240	
84 Ethylene Dibromide	107	7.565	7.565	0.000	95	6456	1.00	0.9210	
85 Chlorobenzene	112	8.046	8.040	0.006	94	20348	1.00	1.01	
88 Ethylbenzene	91	8.137	8.137	0.000	98	29191	1.00	0.8610	
89 1,1,1,2-Tetrachloroethane	131	8.143	8.143	0.000	48	8249	1.00	1.08	
90 m-Xylene & p-Xylene	106	8.259	8.265	-0.006	96	10787	1.00	0.8341	
91 o-Xylene	106	8.678	8.684	-0.006	93	12024	1.00	0.8626	
92 Styrene	104	8.715	8.715	0.000	90	17555	1.00	0.8457	
93 Bromoform	173	8.952	8.958	-0.006	89	4518	1.00	0.9266	
95 Isopropylbenzene	105	9.068	9.074	-0.006	94	30657	1.00	0.8011	
97 Bromobenzene	156	9.414	9.421	-0.007	96	7642	1.00	0.8389	
98 1,1,2,2-Tetrachloroethane	83	9.500	9.494	0.006	93	11715	1.00	0.9770	
100 N-Propylbenzene	91	9.512	9.512	0.000	98	35391	1.00	0.7960	
99 1,2,3-Trichloropropane	110	9.530	9.518	0.012	59	4297	1.00	1.03	
101 trans-1,4-Dichloro-2-butene	53	9.542	9.542	0.000	42	4482	1.00	0.8836	
102 2-Chlorotoluene	126	9.609	9.615	-0.006	94	8370	1.00	0.9131	
104 1,3,5-Trimethylbenzene	105	9.700	9.700	0.000	94	28374	1.00	0.8429	
105 4-Chlorotoluene	91	9.731	9.731	0.000	95	23716	1.00	0.7843	
106 tert-Butylbenzene	134	10.023	10.023	0.000	95	4704	1.00	0.7146	
108 1,2,4-Trimethylbenzene	105	10.084	10.084	0.000	96	27912	1.00	0.8092	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.242	10.242	0.000	94	30603	1.00	0.7371	
110 1,3-Dichlorobenzene	146	10.376	10.370	0.006	80	17557	1.00	0.9238	
111 4-Isopropyltoluene	119	10.394	10.388	0.006	95	29631	1.00	0.7968	
113 1,4-Dichlorobenzene	146	10.467	10.467	0.000	86	18939	1.00	1.00	
115 n-Butylbenzene	91	10.783	10.783	0.000	94	24575	1.00	0.7739	
116 1,2-Dichlorobenzene	146	10.820	10.820	0.000	93	16923	1.00	0.8990	
117 1,2-Dibromo-3-Chloropropane	75	11.568	11.562	0.006	73	2502	1.00	0.8806	
119 1,2,4-Trichlorobenzene	180	12.249	12.243	0.006	89	9967	1.00	0.7917	
120 Hexachlorobutadiene	225	12.365	12.365	0.000	86	3956	1.00	1.00	
121 Naphthalene	128	12.456	12.456	0.000	97	36908	1.00	0.8818	
122 1,2,3-Trichlorobenzene	180	12.663	12.663	0.000	90	10008	1.00	0.8041	
S 124 1,2-Dichloroethene, Total	1				0			2.12	
S 126 Xylenes, Total	1				0			1.70	
S 123 1,3-Dichloropropene, Total	1				0			1.83	
S 125 Total BTEX	1				0			4.54	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8260 CORP mix_00251	Amount Added:	1.00	Units: uL	
GAS CORP mix_00611	Amount Added:	1.00	Units: uL	
N_8260_Surr_00468	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00266	Amount Added:	1.00	Units: uL	Run Reagent

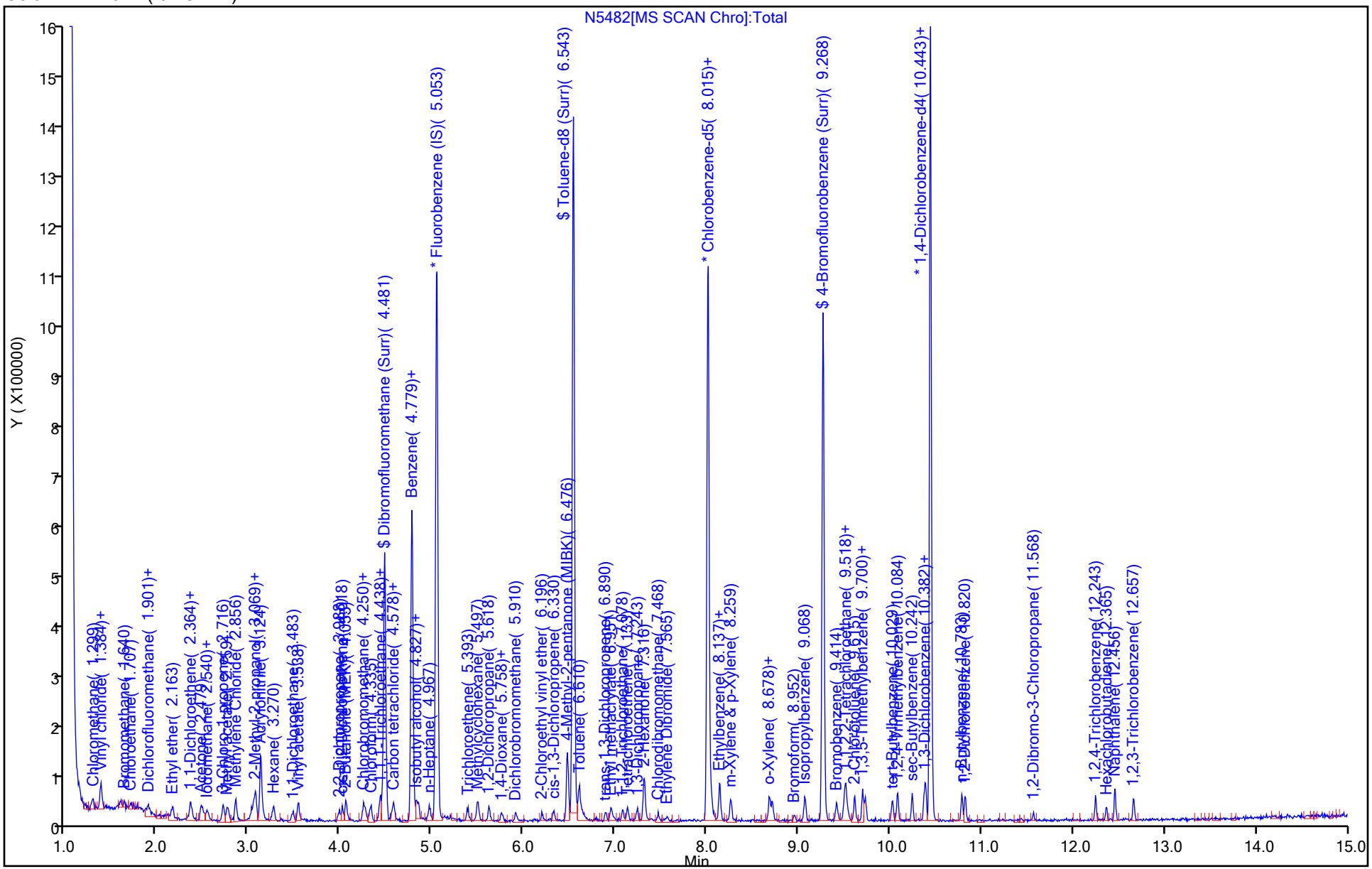
Report Date: 13-Mar-2024 10:17:42 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5482.d

Injection Date:	12-Mar-2024 15:59:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

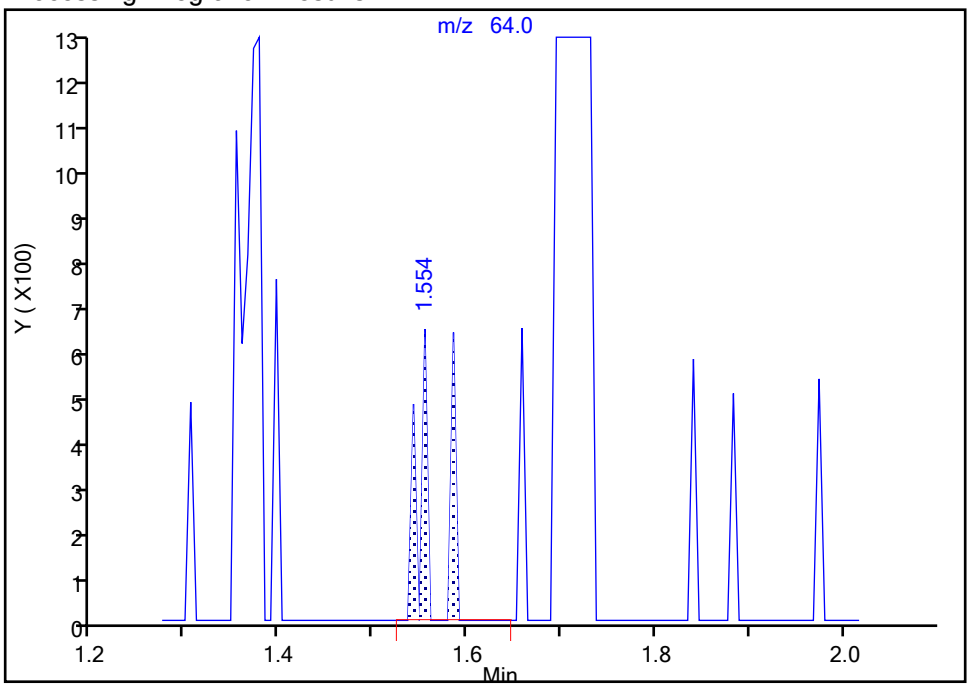
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5482.d
Injection Date: 12-Mar-2024 15:59:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

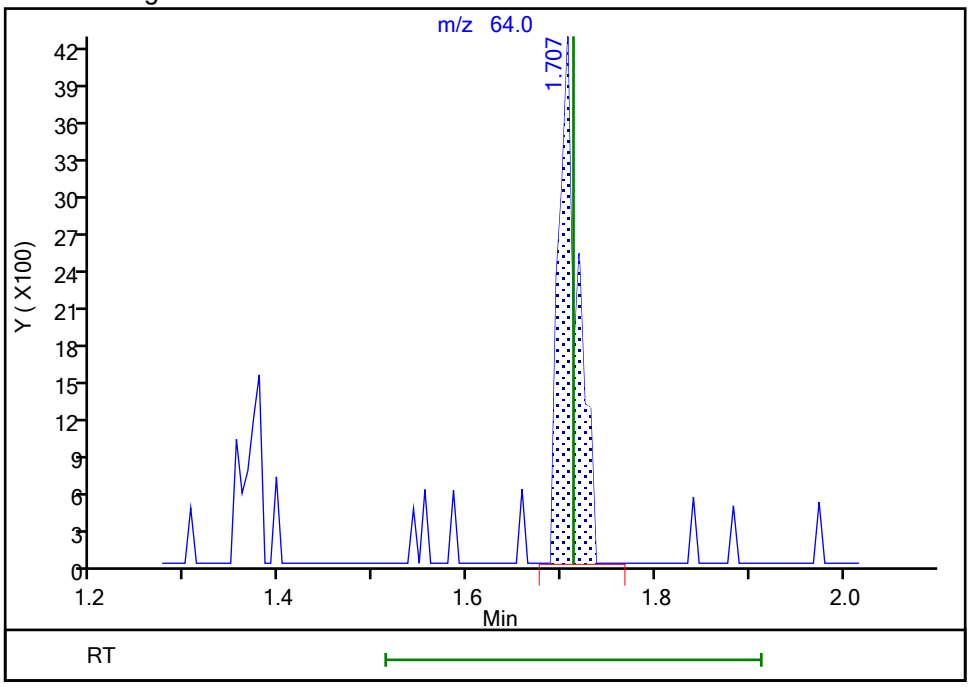
Processing Integration Results

RT: 1.55
Area: 600
Amount: 0.106079
Amount Units: ug/L



Manual Integration Results

RT: 1.71
Area: 6006
Amount: 0.927563
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:40:51 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

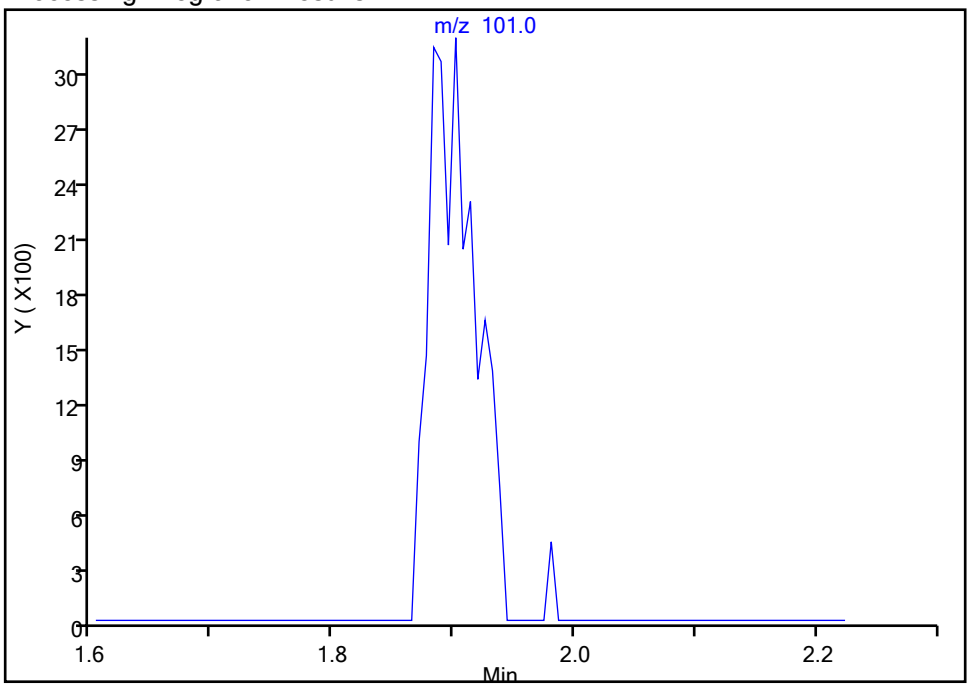
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5482.d
Injection Date: 12-Mar-2024 15:59:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

18 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

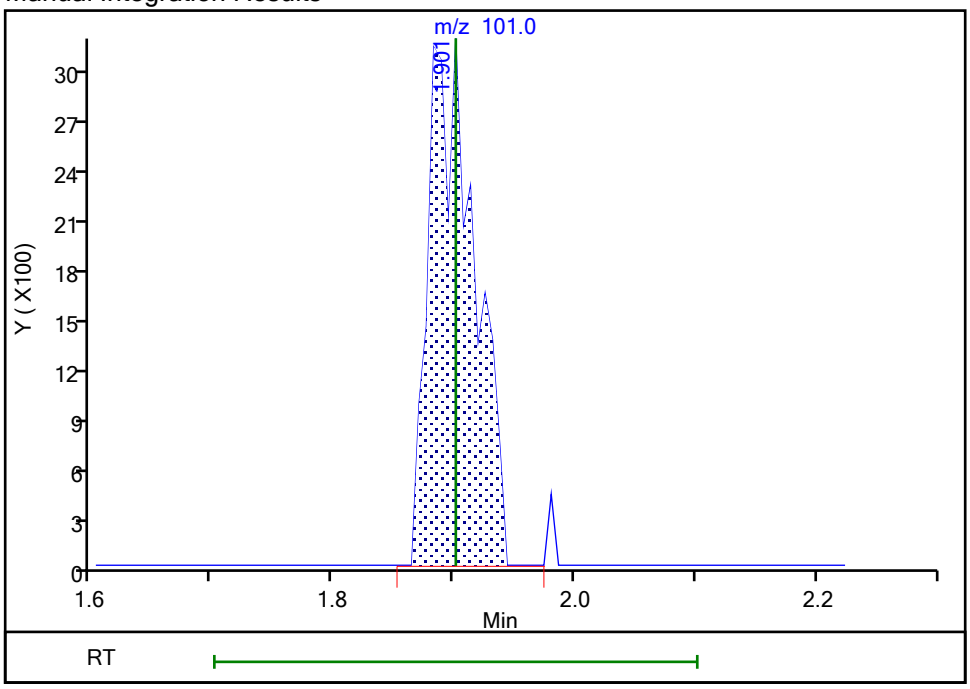
Not Detected
Expected RT: 1.90

Processing Integration Results



Manual Integration Results

RT: 1.90
Area: 8325
Amount: 0.748071
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:40:57 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

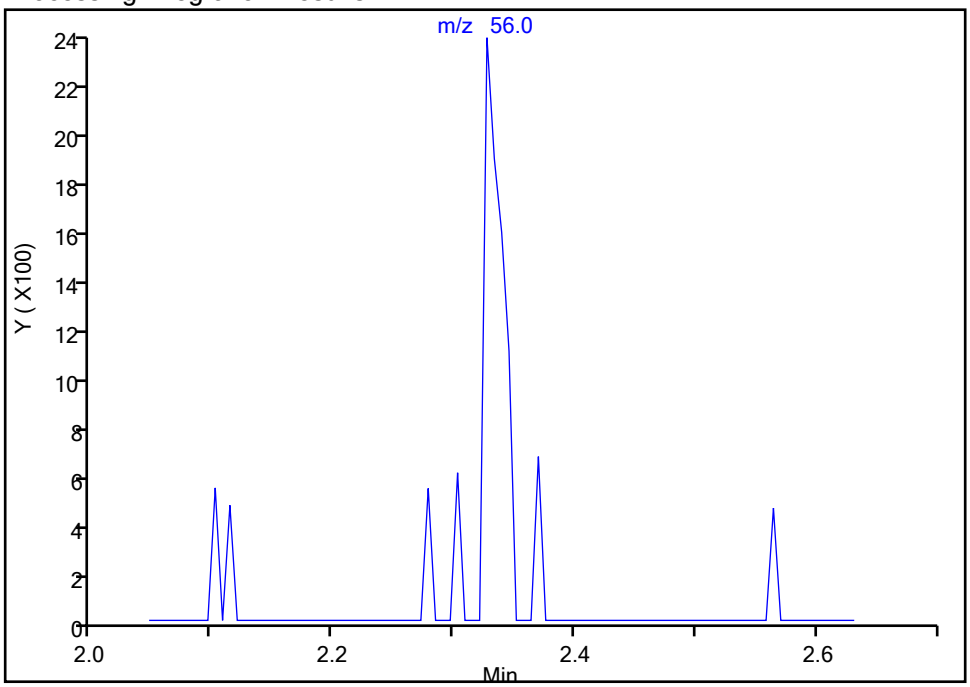
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5482.d
Injection Date: 12-Mar-2024 15:59:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

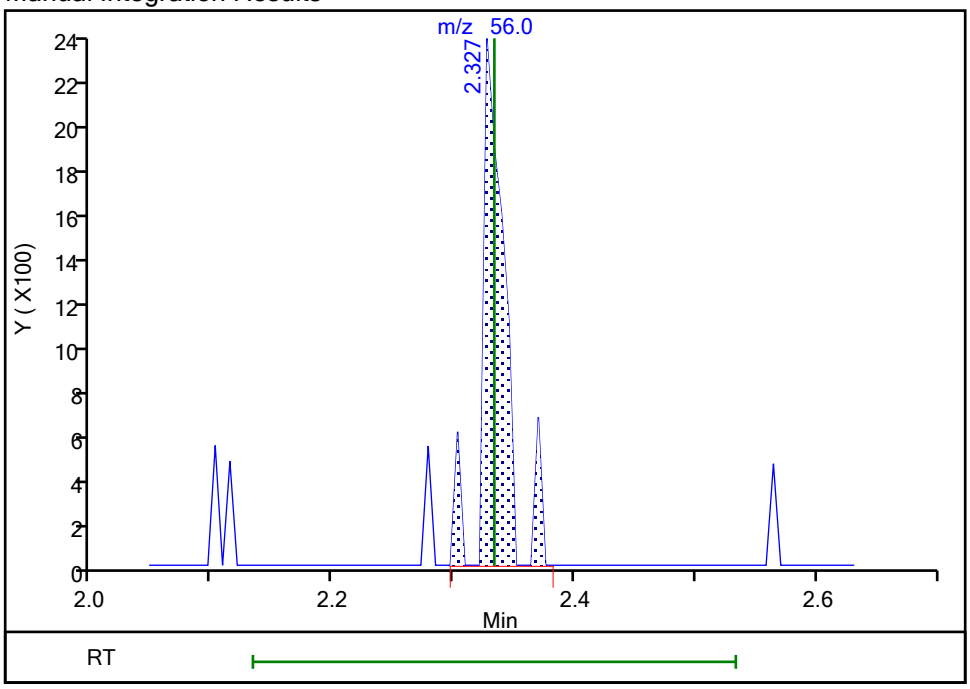
Not Detected
Expected RT: 2.33

Processing Integration Results



Manual Integration Results

RT: 2.33
Area: 2912
Amount: 5.171588
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:41:03 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

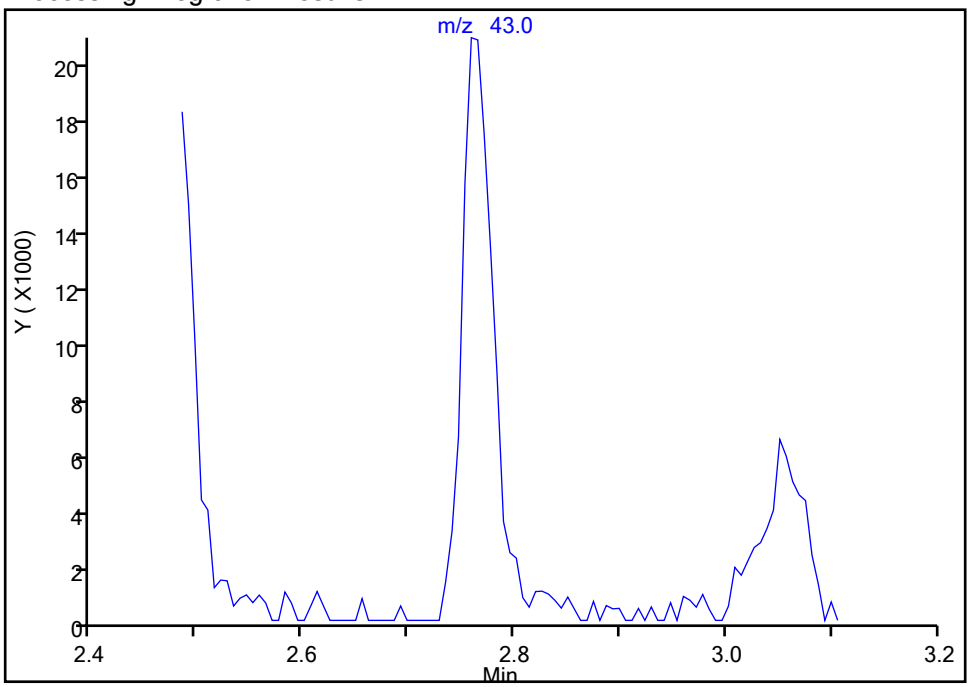
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5482.d
Injection Date: 12-Mar-2024 15:59:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

28 Methyl acetate, CAS: 79-20-9

Signal: 1

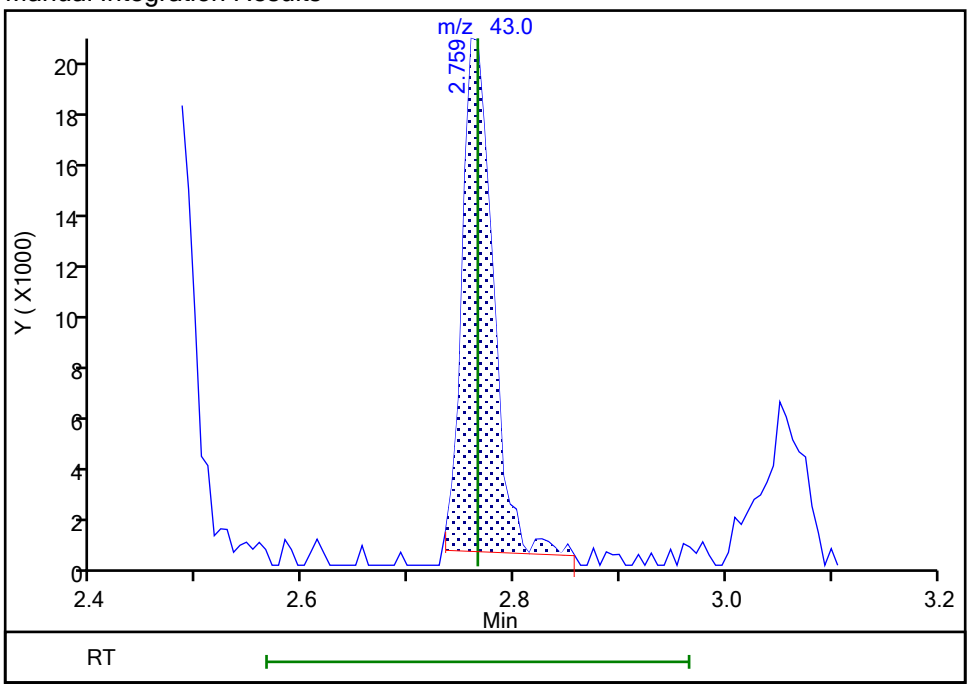
Not Detected
Expected RT: 2.77

Processing Integration Results



Manual Integration Results

RT: 2.76
Area: 40872
Amount: 2.297707
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:41:31 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

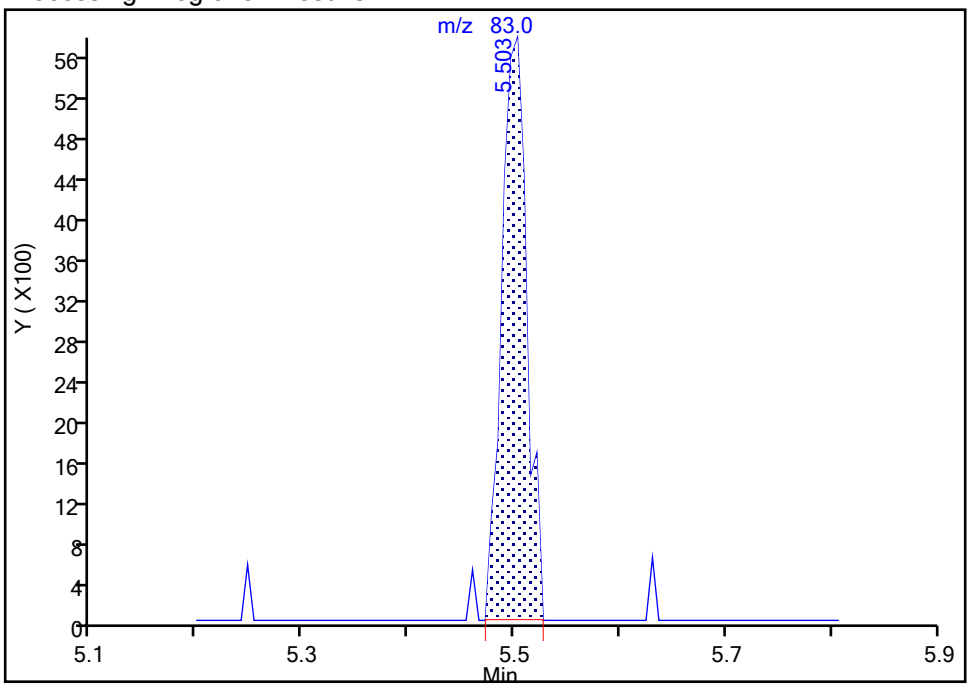
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5482.d
Injection Date: 12-Mar-2024 15:59:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

62 Methylcyclohexane, CAS: 108-87-2

Signal: 1

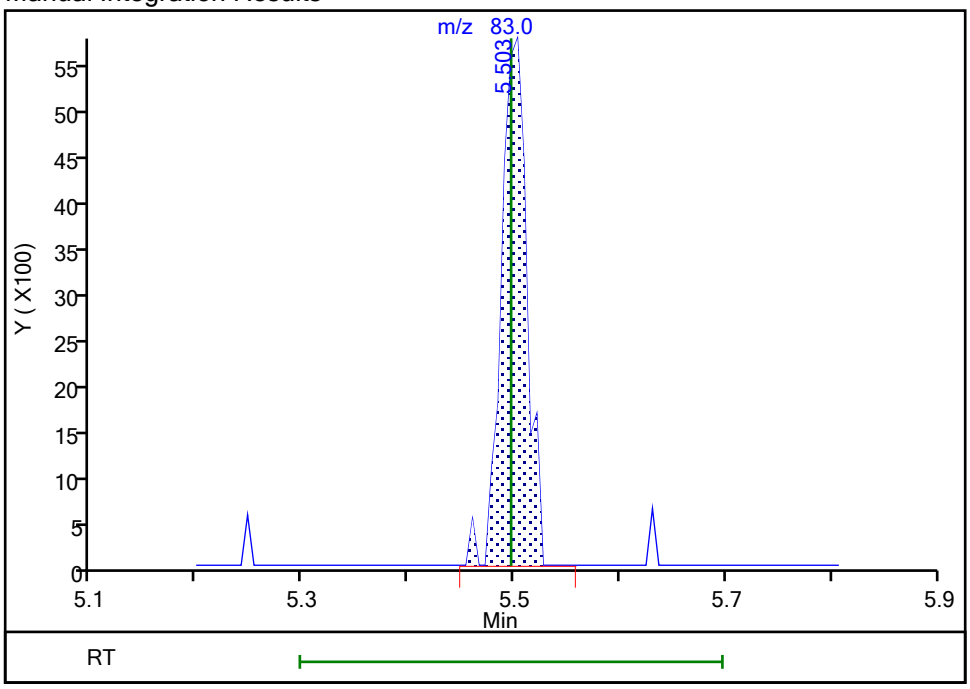
Processing Integration Results

RT: 5.50
Area: 9452
Amount: 0.694846
Amount Units: ug/L



Manual Integration Results

RT: 5.50
Area: 9633
Amount: 0.706808
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 09:49:41 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

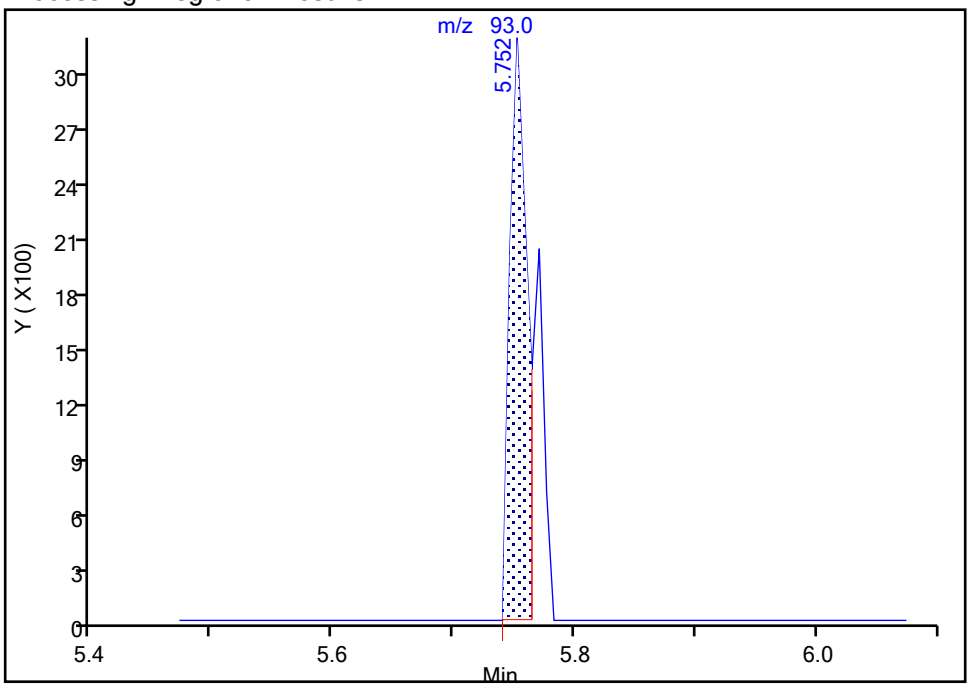
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5482.d
Injection Date: 12-Mar-2024 15:59:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

64 Dibromomethane, CAS: 74-95-3

Signal: 1

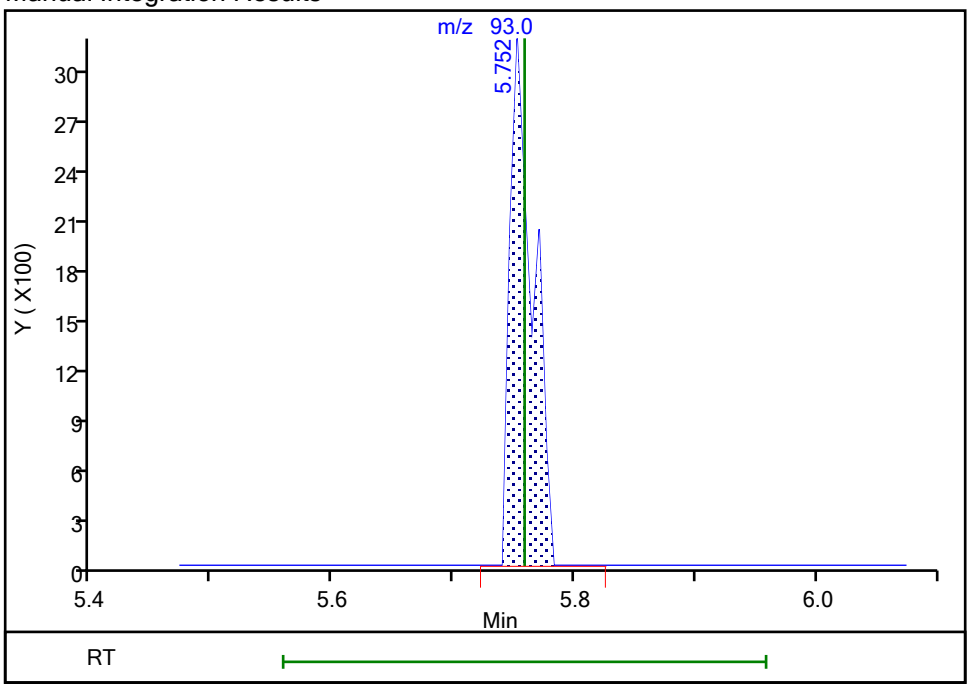
Processing Integration Results

RT: 5.75
Area: 3232
Amount: 0.693008
Amount Units: ug/L



Manual Integration Results

RT: 5.75
Area: 4231
Amount: 0.883556
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:41:53 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

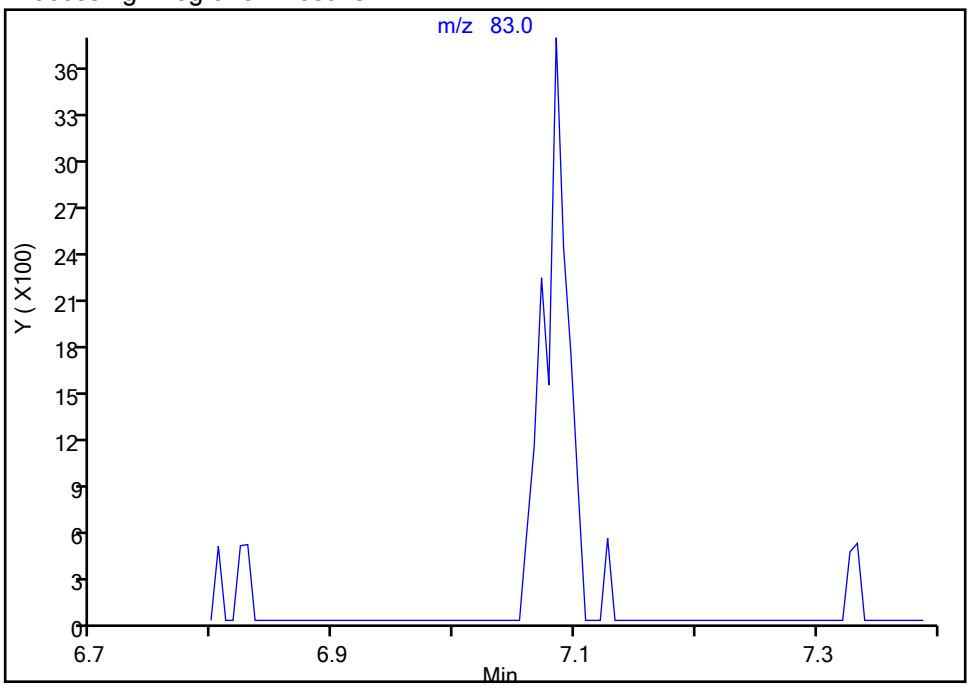
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5482.d
Injection Date: 12-Mar-2024 15:59:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

78 1,1,2-Trichloroethane, CAS: 79-00-5

Signal: 1

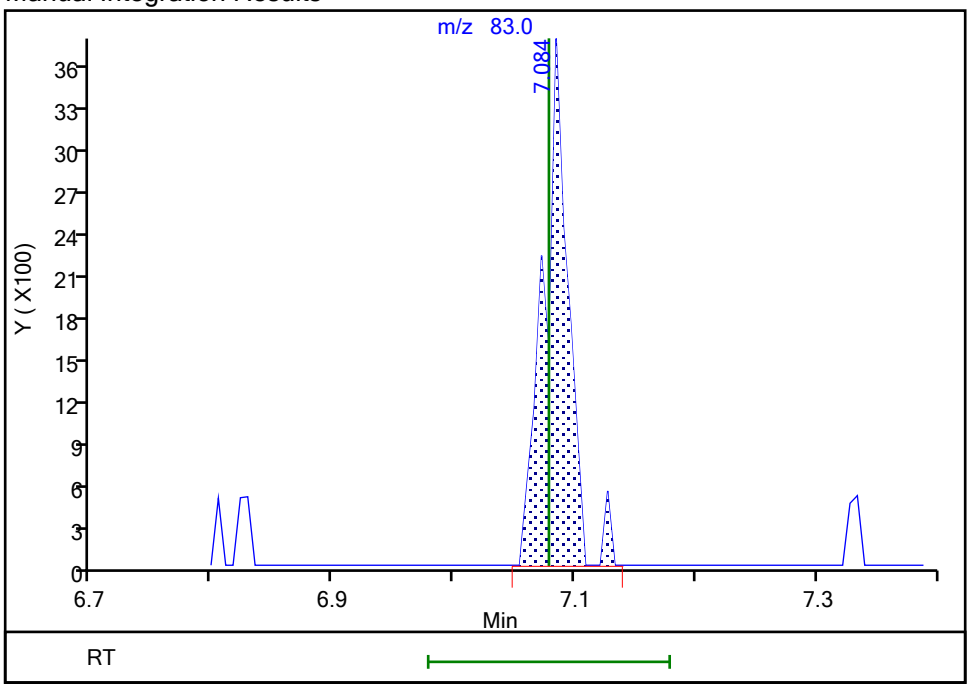
Not Detected
Expected RT: 7.08

Processing Integration Results



Manual Integration Results

RT: 7.08
Area: 5289
Amount: 1.012247
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:42:03 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5483.d
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 12-Mar-2024 16:22:30 ALS Bottle#: 14 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0116708-013
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2024 10:17:51 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: WLL8 Date: 12-Mar-2024 20:43:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.047	5.047	0.000	98	159281	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.015	8.009	0.006	91	568706	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.443	10.443	0.000	96	325212	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.481	4.481	0.000	93	281392	25.0	26.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.779	4.779	0.000	98	352676	25.0	26.6	
$ 6 Toluene-d8 (Surr)	98	6.543	6.543	0.000	95	760415	25.0	25.4	
$ 7 4-Bromofluorobenzene (Surr)	174	9.269	9.269	0.000	88	253859	25.0	25.6	
11 Dichlorodifluoromethane	85	1.141	1.141	0.000	97	19623	2.00	2.23	
13 Chloromethane	50	1.287	1.293	-0.006	98	36331	2.00	2.34	
14 Vinyl chloride	62	1.372	1.372	0.000	67	19807	2.00	2.26	
144 Butadiene	54	1.384	1.384	0.000	95	39095	2.00	2.48	
15 Bromomethane	94	1.640	1.646	-0.006	89	13521	2.00	2.34	
16 Chloroethane	64	1.707	1.713	-0.006	93	15682	2.00	2.49	
18 Trichlorofluoromethane	101	1.889	1.901	-0.012	49	21260	2.00	1.97	Ma
17 Dichlorofluoromethane	67	1.907	1.907	0.000	97	40662	2.00	2.41	
19 Ethyl ether	59	2.163	2.163	0.000	92	21865	2.00	2.06	
20 Acrolein	56	2.321	2.333	-0.012	58	7203	10.0	13.2	
22 1,1-Dichloroethene	96	2.358	2.364	-0.006	94	14057	2.00	1.90	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.364	2.364	0.000	60	12544	2.00	1.65	
23 Acetone	43	2.473	2.479	-0.006	95	56003	10.0	8.34	
24 Iodomethane	142	2.504	2.516	-0.012	99	27579	2.00	2.11	
25 Carbon disulfide	76	2.546	2.546	0.000	98	45623	2.00	1.95	
27 3-Chloro-1-propene	41	2.710	2.716	-0.006	87	48208	2.00	2.09	
28 Methyl acetate	43	2.759	2.765	-0.006	99	66331	4.00	3.84	
30 Methylene Chloride	84	2.850	2.856	-0.006	91	20345	2.00	2.13	
31 2-Methyl-2-propanol	59	3.021	3.027	-0.006	91	27714	20.0	14.6	
32 Methyl tert-butyl ether	73	3.063	3.057	0.006	96	61693	2.00	2.06	
33 trans-1,2-Dichloroethene	96	3.069	3.075	-0.006	90	15199	2.00	1.79	
34 Acrylonitrile	53	3.124	3.130	-0.006	98	157676	20.0	19.7	
35 Hexane	57	3.270	3.264	0.006	87	23749	2.00	1.64	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.477	3.477	0.000	95	38223	2.00	2.14	
39 Vinyl acetate	43	3.538	3.538	0.000	97	97652	4.00	3.72	
42 2,2-Dichloropropane	77	3.982	3.982	0.000	82	17900	2.00	1.87	
43 cis-1,2-Dichloroethene	96	4.018	4.018	0.000	83	20648	2.00	2.22	
44 2-Butanone (MEK)	43	4.055	4.055	0.000	96	89133	10.0	9.72	
47 Chlorobromomethane	128	4.250	4.250	0.000	86	9439	2.00	1.88	
49 Tetrahydrofuran	42	4.268	4.262	0.006	88	25962	4.00	3.80	
50 Chloroform	83	4.329	4.329	0.000	94	29649	2.00	1.87	
51 1,1,1-Trichloroethane	97	4.432	4.432	0.000	84	22529	2.00	1.94	
52 Cyclohexane	56	4.432	4.438	-0.006	95	33731	2.00	1.75	
53 Carbon tetrachloride	117	4.560	4.566	-0.006	94	17074	2.00	1.80	
54 1,1-Dichloropropene	75	4.584	4.584	0.000	85	18938	2.00	1.92	
55 Benzene	78	4.779	4.779	0.000	47	59321	2.00	2.01	
56 Isobutyl alcohol	43	4.827	4.821	0.006	89	34946	50.0	38.5	
57 1,2-Dichloroethane	62	4.846	4.852	-0.006	95	28641	2.00	2.10	
59 n-Heptane	43	4.967	4.967	0.000	92	25275	2.00	1.55	
60 Trichloroethene	95	5.387	5.387	0.000	95	14407	2.00	1.97	
62 Methylcyclohexane	83	5.497	5.497	0.000	91	21093	2.00	1.59	
63 1,2-Dichloropropane	63	5.618	5.624	-0.006	84	16613	2.00	2.17	
64 Dibromomethane	93	5.758	5.758	0.000	94	10576	2.00	2.27	
66 1,4-Dioxane	88	5.789	5.770	0.019	0	2328	40.0	35.2	M
67 Dichlorobromomethane	83	5.910	5.910	0.000	94	17469	2.00	1.91	
69 2-Chloroethyl vinyl ether	63	6.196	6.196	0.000	88	9200	2.00	1.96	
71 cis-1,3-Dichloropropene	75	6.330	6.330	0.000	87	16543	2.00	1.76	
72 4-Methyl-2-pentanone (MIBK)	58	6.476	6.476	0.000	98	53106	10.0	9.07	
73 Toluene	92	6.610	6.610	0.000	95	30365	2.00	1.89	
75 trans-1,3-Dichloropropene	75	6.896	6.890	0.006	86	14224	2.00	1.79	
77 Ethyl methacrylate	69	6.945	6.951	-0.006	88	16525	2.00	1.87	
78 1,1,2-Trichloroethane	83	7.085	7.078	0.006	90	10419	2.00	2.09	
79 Tetrachloroethene	166	7.127	7.133	-0.006	90	13264	2.00	1.92	
80 1,3-Dichloropropane	76	7.237	7.237	0.000	94	20150	2.00	2.05	
82 2-Hexanone	43	7.316	7.310	0.006	99	118354	10.0	9.48	
83 Chlorodibromomethane	129	7.474	7.468	0.006	89	11934	2.00	1.90	
84 Ethylene Dibromide	107	7.559	7.565	-0.006	93	12593	2.00	1.88	
85 Chlorobenzene	112	8.040	8.040	0.000	94	40345	2.00	2.10	
88 Ethylbenzene	91	8.143	8.137	0.006	97	59041	2.00	1.83	
89 1,1,1,2-Tetrachloroethane	131	8.143	8.143	0.000	47	12859	2.00	1.76	
90 m-Xylene & p-Xylene	106	8.259	8.265	-0.006	97	21242	2.00	1.72	
91 o-Xylene	106	8.684	8.684	0.000	95	24997	2.00	1.88	
92 Styrene	104	8.715	8.715	0.000	96	34627	2.00	1.75	
93 Bromoform	173	8.958	8.958	0.000	90	8376	2.00	1.80	
95 Isopropylbenzene	105	9.074	9.074	0.000	97	55106	2.00	1.65	
97 Bromobenzene	156	9.421	9.421	0.000	89	15868	2.00	1.99	
98 1,1,2,2-Tetrachloroethane	83	9.494	9.494	0.000	94	20224	2.00	1.93	
100 N-Propylbenzene	91	9.512	9.512	0.000	99	68284	2.00	1.76	
99 1,2,3-Trichloropropane	110	9.518	9.518	0.000	59	6364	2.00	1.75	
101 trans-1,4-Dichloro-2-butene	53	9.542	9.542	0.000	42	7458	2.00	1.68	M
102 2-Chlorotoluene	126	9.615	9.615	0.000	95	14835	2.00	1.85	
104 1,3,5-Trimethylbenzene	105	9.700	9.700	0.000	92	51296	2.00	1.74	
105 4-Chlorotoluene	91	9.731	9.731	0.000	96	48312	2.00	1.83	
106 tert-Butylbenzene	134	10.023	10.023	0.000	93	9938	2.00	1.73	
108 1,2,4-Trimethylbenzene	105	10.084	10.084	0.000	98	49620	2.00	1.65	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.242	10.242	0.000	94	59833	2.00	1.65	
110 1,3-Dichlorobenzene	146	10.370	10.370	0.000	95	29938	2.00	1.80	
111 4-Isopropyltoluene	119	10.394	10.388	0.006	98	55441	2.00	1.71	
113 1,4-Dichlorobenzene	146	10.467	10.467	0.000	94	33781	2.00	2.04	
115 n-Butylbenzene	91	10.789	10.783	0.006	98	44594	2.00	1.61	
116 1,2-Dichlorobenzene	146	10.820	10.820	0.000	95	32510	2.00	1.98	
117 1,2-Dibromo-3-Chloropropane	75	11.568	11.562	0.006	71	4968	2.00	2.00	
119 1,2,4-Trichlorobenzene	180	12.243	12.243	0.000	90	19396	2.00	1.76	
120 Hexachlorobutadiene	225	12.353	12.365	-0.012	85	6708	2.00	1.58	
121 Naphthalene	128	12.456	12.456	0.000	97	59433	2.00	1.63	
122 1,2,3-Trichlorobenzene	180	12.663	12.663	0.000	95	20342	2.00	1.87	
S 124 1,2-Dichloroethene, Total	1				0			4.01	
S 126 Xylenes, Total	1				0			3.60	
S 123 1,3-Dichloropropene, Total	1				0			3.55	
S 125 Total BTEX	1				0			9.32	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8260 CORP mix_00251	Amount Added:	2.00	Units: uL	
GAS CORP mix_00611	Amount Added:	2.00	Units: uL	
N_8260_Surr_00468	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00266	Amount Added:	1.00	Units: uL	Run Reagent

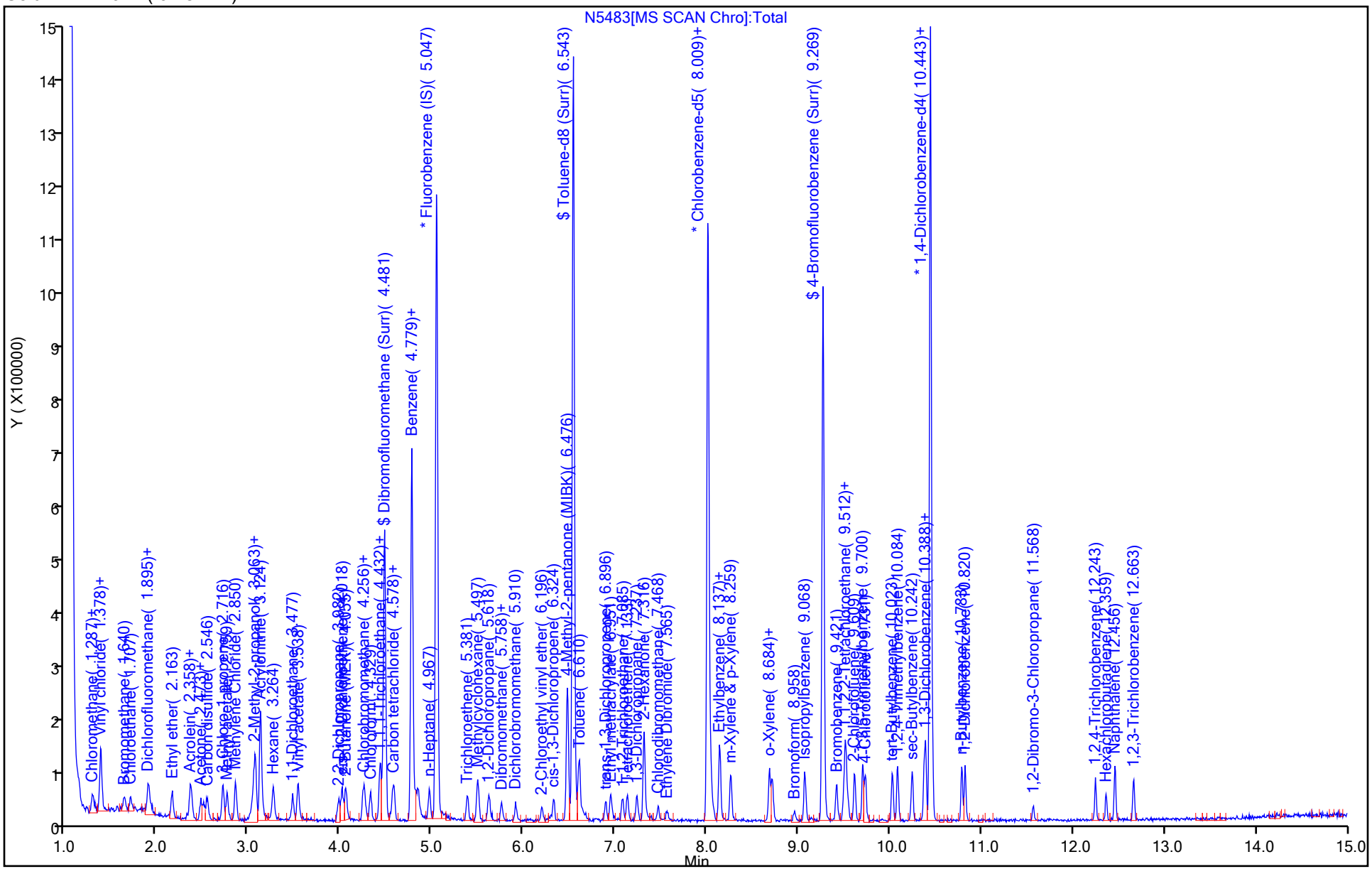
Report Date: 13-Mar-2024 10:17:51 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5483.d

Injection Date:	12-Mar-2024 16:22:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 2			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo

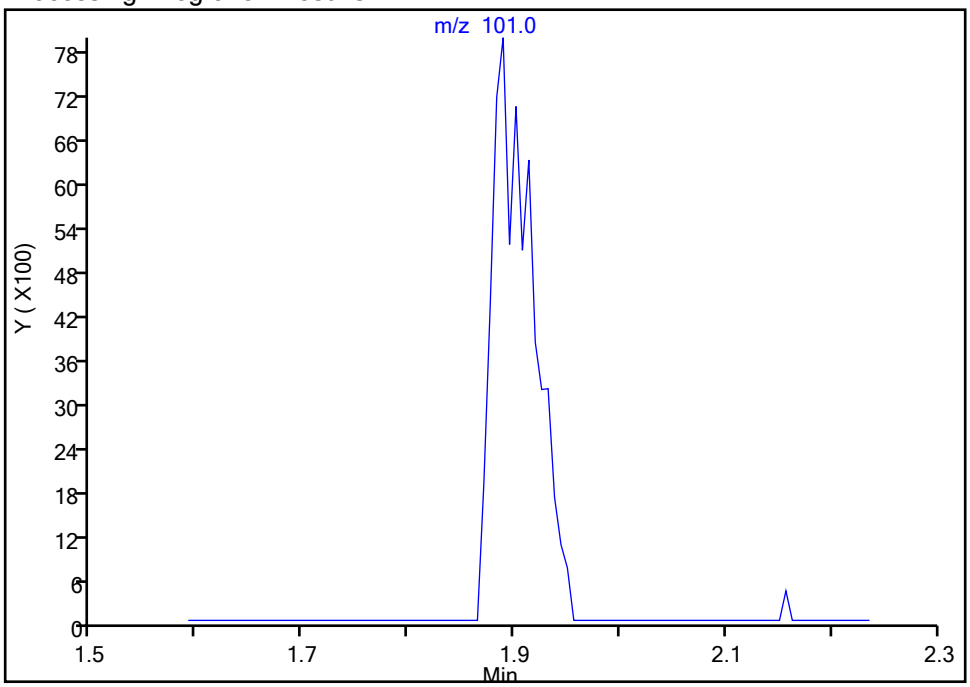
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5483.d
Injection Date: 12-Mar-2024 16:22:30 Instrument ID: HP5973N
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 14 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

18 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

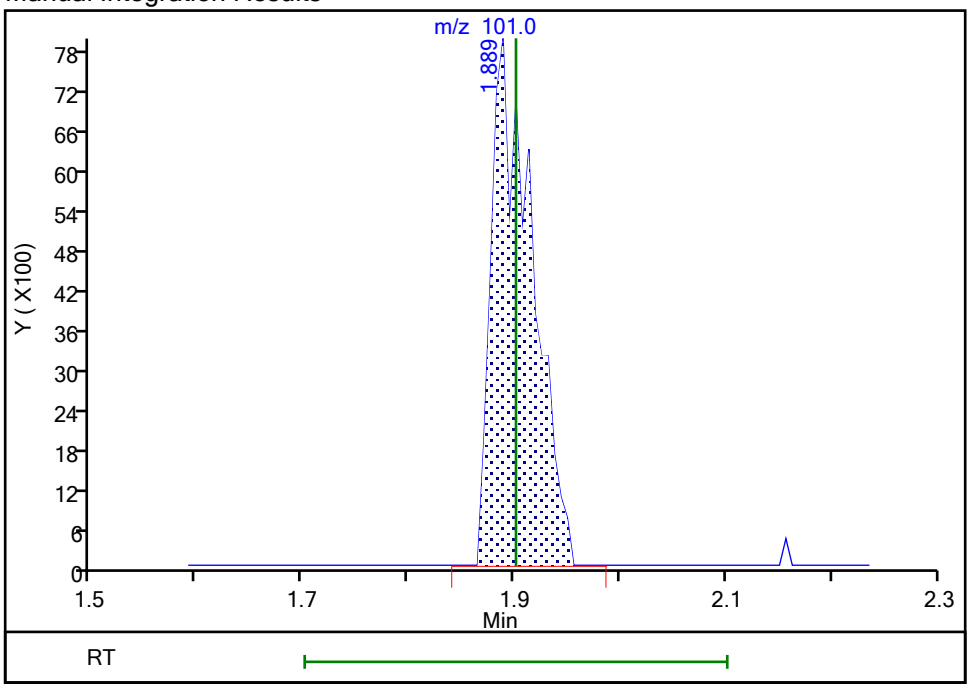
Not Detected
Expected RT: 1.90

Processing Integration Results



Manual Integration Results

RT: 1.89
Area: 21260
Amount: 1.967444
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:42:55 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

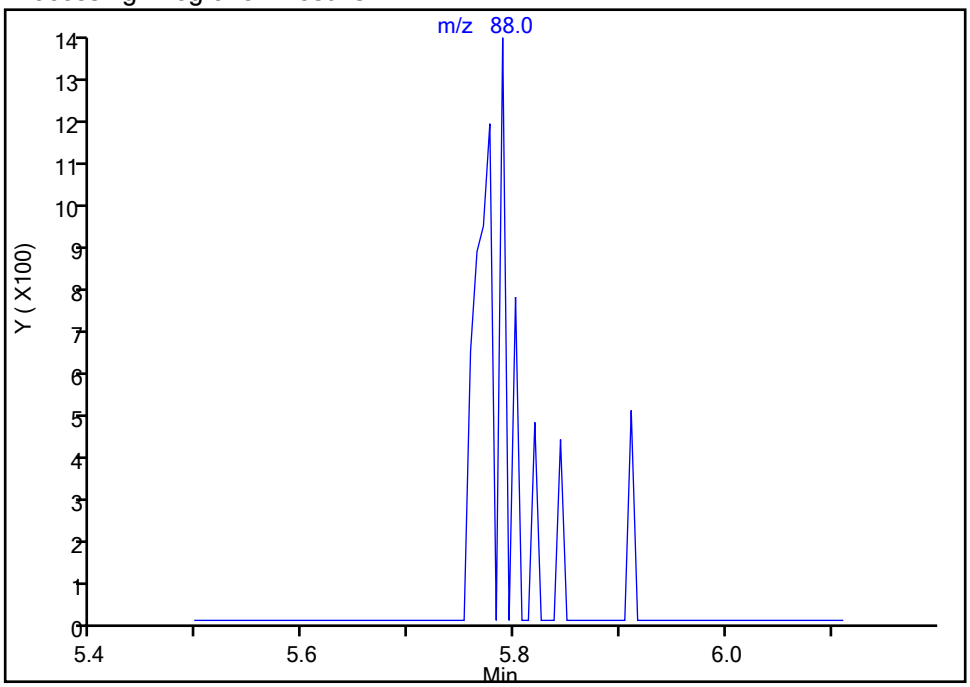
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5483.d
Injection Date: 12-Mar-2024 16:22:30 Instrument ID: HP5973N
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 14 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

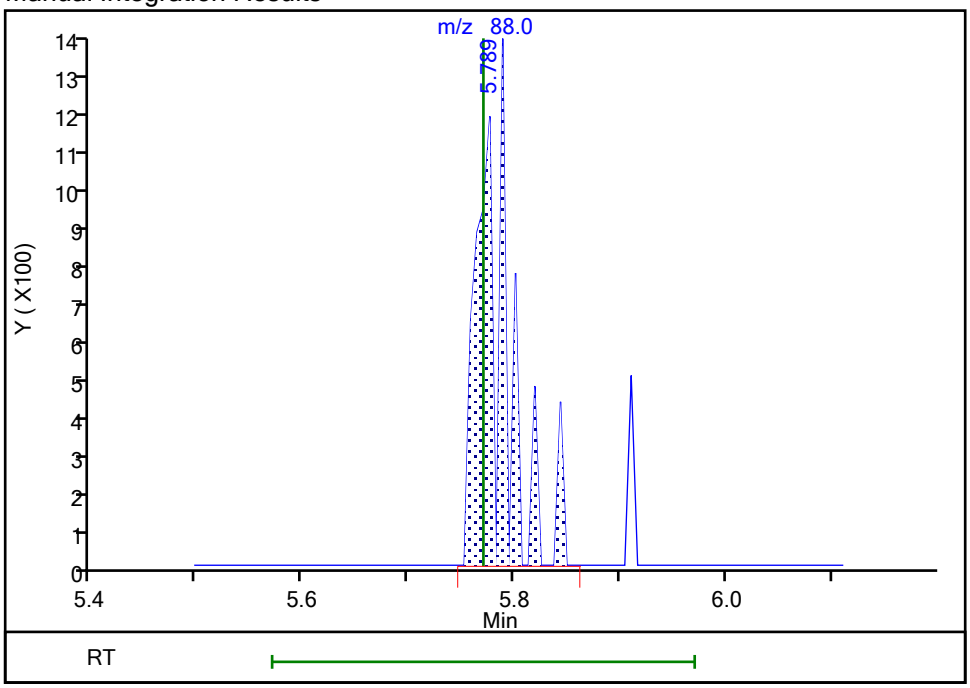
Not Detected
Expected RT: 5.77

Processing Integration Results



Manual Integration Results

RT: 5.79
Area: 2328
Amount: 35.188059
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:43:10 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

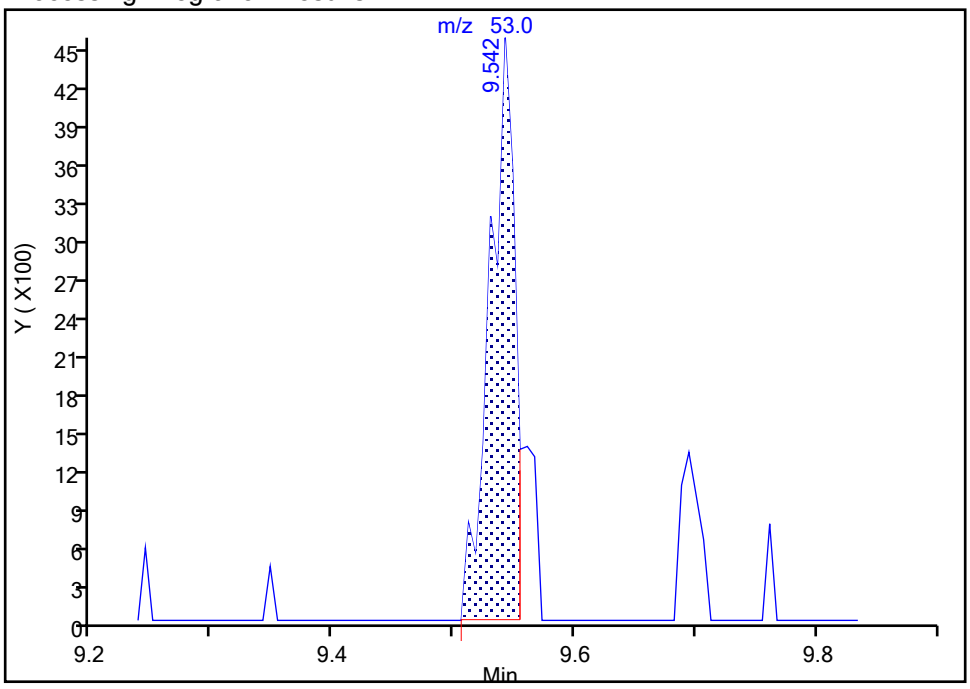
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5483.d
Injection Date: 12-Mar-2024 16:22:30 Instrument ID: HP5973N
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 14 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

101 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

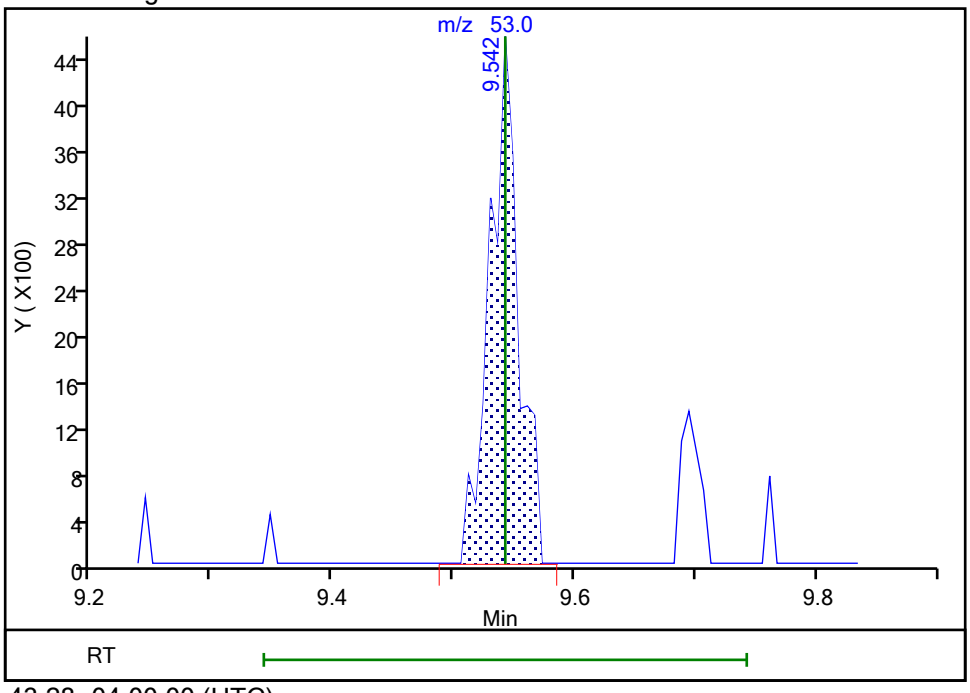
Processing Integration Results

RT: 9.54
Area: 6502
Amount: 1.487174
Amount Units: ug/L



Manual Integration Results

RT: 9.54
Area: 7458
Amount: 1.682838
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:43:28 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5484.d
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 12-Mar-2024 16:45:30 ALS Bottle#: 15 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0116708-014
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2024 10:17:59 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: WLL8 Date: 12-Mar-2024 20:44:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.047	5.047	0.000	97	168656	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.015	8.015	0.000	89	593684	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.443	10.443	0.000	96	371058	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.481	4.481	0.000	93	283904	25.0	25.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.779	4.779	0.000	97	340968	25.0	24.3	
$ 6 Toluene-d8 (Surr)	98	6.543	6.543	0.000	95	763138	25.0	24.5	
$ 7 4-Bromofluorobenzene (Surr)	174	9.269	9.269	0.000	88	272999	25.0	26.4	
11 Dichlorodifluoromethane	85	1.141	1.141	0.000	94	42170	5.00	4.53	
13 Chloromethane	50	1.287	1.287	0.000	99	74081	5.00	4.50	
14 Vinyl chloride	62	1.372	1.372	0.000	78	40562	5.00	4.38	
144 Butadiene	54	1.378	1.378	0.000	97	67997	5.00	4.08	
15 Bromomethane	94	1.622	1.622	0.000	93	31238	5.00	5.10	
16 Chloroethane	64	1.701	1.701	0.000	93	30492	5.00	4.58	
18 Trichlorofluoromethane	101	1.889	1.889	0.000	52	48963	5.00	4.28	
17 Dichlorofluoromethane	67	1.901	1.901	0.000	95	86913	5.00	4.87	
19 Ethyl ether	59	2.157	2.157	0.000	94	63537	5.00	5.66	
20 Acrolein	56	2.333	2.333	0.000	0	15423	25.0	26.6	M
22 1,1-Dichloroethene	96	2.358	2.358	0.000	91	42009	5.00	5.36	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.364	2.364	0.000	61	47557	5.00	5.89	
23 Acetone	43	2.473	2.473	0.000	96	203054	25.0	28.6	
24 Iodomethane	142	2.510	2.510	0.000	100	80835	5.00	5.83	
25 Carbon disulfide	76	2.540	2.540	0.000	99	142557	5.00	5.75	
27 3-Chloro-1-propene	41	2.711	2.711	0.000	87	136705	5.00	5.60	
28 Methyl acetate	43	2.759	2.759	0.000	99	179381	10.0	9.81	
30 Methylene Chloride	84	2.857	2.857	0.000	89	55180	5.00	5.45	
31 2-Methyl-2-propanol	59	3.021	3.021	0.000	97	116990	50.0	58.0	
32 Methyl tert-butyl ether	73	3.057	3.057	0.000	97	173308	5.00	5.46	
33 trans-1,2-Dichloroethene	96	3.076	3.076	0.000	91	54567	5.00	6.08	
34 Acrylonitrile	53	3.124	3.124	0.000	100	458940	50.0	54.2	
35 Hexane	57	3.264	3.264	0.000	95	85710	5.00	5.59	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.477	3.477	0.000	97	102730	5.00	5.43	
39 Vinyl acetate	43	3.532	3.532	0.000	97	275280	10.0	9.91	
42 2,2-Dichloropropane	77	3.982	3.982	0.000	86	59212	5.00	5.84	
43 cis-1,2-Dichloroethene	96	4.018	4.018	0.000	84	55744	5.00	5.66	
44 2-Butanone (MEK)	43	4.055	4.055	0.000	96	243044	25.0	25.0	
47 Chlorobromomethane	128	4.244	4.244	0.000	86	28642	5.00	5.39	
49 Tetrahydrofuran	42	4.262	4.262	0.000	92	77547	10.0	10.7	
50 Chloroform	83	4.329	4.329	0.000	97	88013	5.00	5.25	
51 1,1,1-Trichloroethane	97	4.426	4.426	0.000	79	70622	5.00	5.75	
52 Cyclohexane	56	4.438	4.438	0.000	97	117751	5.00	5.79	
53 Carbon tetrachloride	117	4.566	4.566	0.000	94	61123	5.00	6.10	
54 1,1-Dichloropropene	75	4.584	4.584	0.000	82	56131	5.00	5.38	
55 Benzene	78	4.779	4.779	0.000	91	167369	5.00	5.34	
56 Isobutyl alcohol	43	4.822	4.822	0.000	93	124968	125.0	129.9	
57 1,2-Dichloroethane	62	4.852	4.852	0.000	95	70639	5.00	4.88	
59 n-Heptane	43	4.974	4.974	0.000	96	94081	5.00	5.46	
60 Trichloroethene	95	5.387	5.387	0.000	93	40245	5.00	5.20	
62 Methylcyclohexane	83	5.497	5.497	0.000	94	82439	5.00	5.88	
63 1,2-Dichloropropane	63	5.618	5.618	0.000	83	43625	5.00	5.37	
64 Dibromomethane	93	5.758	5.758	0.000	92	26672	5.00	5.42	
66 1,4-Dioxane	88	5.771	5.771	0.000	34	7180	100.0	104.0	
67 Dichlorobromomethane	83	5.910	5.910	0.000	96	50471	5.00	5.20	
69 2-Chloroethyl vinyl ether	63	6.190	6.190	0.000	82	19207	5.00	3.87	
71 cis-1,3-Dichloropropene	75	6.324	6.324	0.000	86	48939	5.00	4.92	
72 4-Methyl-2-pentanone (MIBK)	58	6.476	6.476	0.000	98	161251	25.0	26.4	
73 Toluene	92	6.610	6.610	0.000	97	93647	5.00	5.58	
75 trans-1,3-Dichloropropene	75	6.896	6.896	0.000	91	36548	5.00	4.40	
77 Ethyl methacrylate	69	6.951	6.951	0.000	89	41771	5.00	4.53	
78 1,1,2-Trichloroethane	83	7.079	7.079	0.000	94	25638	5.00	4.93	
79 Tetrachloroethene	166	7.133	7.133	0.000	91	38266	5.00	5.30	
80 1,3-Dichloropropane	76	7.237	7.237	0.000	89	49446	5.00	4.82	
82 2-Hexanone	43	7.310	7.310	0.000	97	327142	25.0	25.1	
83 Chlorodibromomethane	129	7.468	7.468	0.000	90	31837	5.00	4.85	
84 Ethylene Dibromide	107	7.565	7.565	0.000	96	36528	5.00	5.23	
85 Chlorobenzene	112	8.040	8.040	0.000	93	104938	5.00	5.24	
88 Ethylbenzene	91	8.137	8.137	0.000	98	179193	5.00	5.31	
89 1,1,1,2-Tetrachloroethane	131	8.143	8.143	0.000	83	38456	5.00	5.04	
90 m-Xylene & p-Xylene	106	8.259	8.259	0.000	98	73086	5.00	5.68	
91 o-Xylene	106	8.685	8.685	0.000	98	71906	5.00	5.18	
92 Styrene	104	8.715	8.715	0.000	94	110625	5.00	5.35	
93 Bromoform	173	8.952	8.952	0.000	96	22533	5.00	4.64	
95 Isopropylbenzene	105	9.068	9.068	0.000	96	199133	5.00	5.22	
97 Bromobenzene	156	9.421	9.421	0.000	93	47412	5.00	5.22	
98 1,1,2,2-Tetrachloroethane	83	9.494	9.494	0.000	92	66957	5.00	5.60	
100 N-Propylbenzene	91	9.512	9.512	0.000	98	234823	5.00	5.30	
99 1,2,3-Trichloropropane	110	9.524	9.524	0.000	60	22200	5.00	5.34	
101 trans-1,4-Dichloro-2-butene	53	9.542	9.542	0.000	53	22471	5.00	4.44	
102 2-Chlorotoluene	126	9.609	9.609	0.000	95	46652	5.00	5.10	
104 1,3,5-Trimethylbenzene	105	9.701	9.701	0.000	95	176083	5.00	5.25	
105 4-Chlorotoluene	91	9.731	9.731	0.000	98	160642	5.00	5.33	
106 tert-Butylbenzene	134	10.029	10.029	0.000	96	33310	5.00	5.08	
108 1,2,4-Trimethylbenzene	105	10.084	10.084	0.000	97	182991	5.00	5.32	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.242	10.242	0.000	95	215767	5.00	5.21	
110 1,3-Dichlorobenzene	146	10.376	10.376	0.000	97	101972	5.00	5.38	
111 4-Isopropyltoluene	119	10.388	10.388	0.000	98	196604	5.00	5.30	
113 1,4-Dichlorobenzene	146	10.467	10.467	0.000	94	103930	5.00	5.50	
115 n-Butylbenzene	91	10.783	10.783	0.000	98	173949	5.00	5.50	
116 1,2-Dichlorobenzene	146	10.820	10.820	0.000	94	104872	5.00	5.59	
117 1,2-Dibromo-3-Chloropropane	75	11.568	11.568	0.000	76	13708	5.00	4.84	
119 1,2,4-Trichlorobenzene	180	12.250	12.250	0.000	92	65342	5.00	5.21	
120 Hexachlorobutadiene	225	12.359	12.359	0.000	94	35822	5.00	6.00	
121 Naphthalene	128	12.456	12.456	0.000	97	211726	5.00	5.07	
122 1,2,3-Trichlorobenzene	180	12.663	12.663	0.000	94	68379	5.00	5.51	
S 124 1,2-Dichloroethene, Total	1				0			11.7	
S 126 Xylenes, Total	1				0			10.9	
S 123 1,3-Dichloropropene, Total	1				0			9.32	
S 125 Total BTEX	1				0			27.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00251	Amount Added:	5.00	Units: uL	
GAS CORP mix_00611	Amount Added:	5.00	Units: uL	
N_8260_Surr_00468	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00266	Amount Added:	1.00	Units: uL	Run Reagent

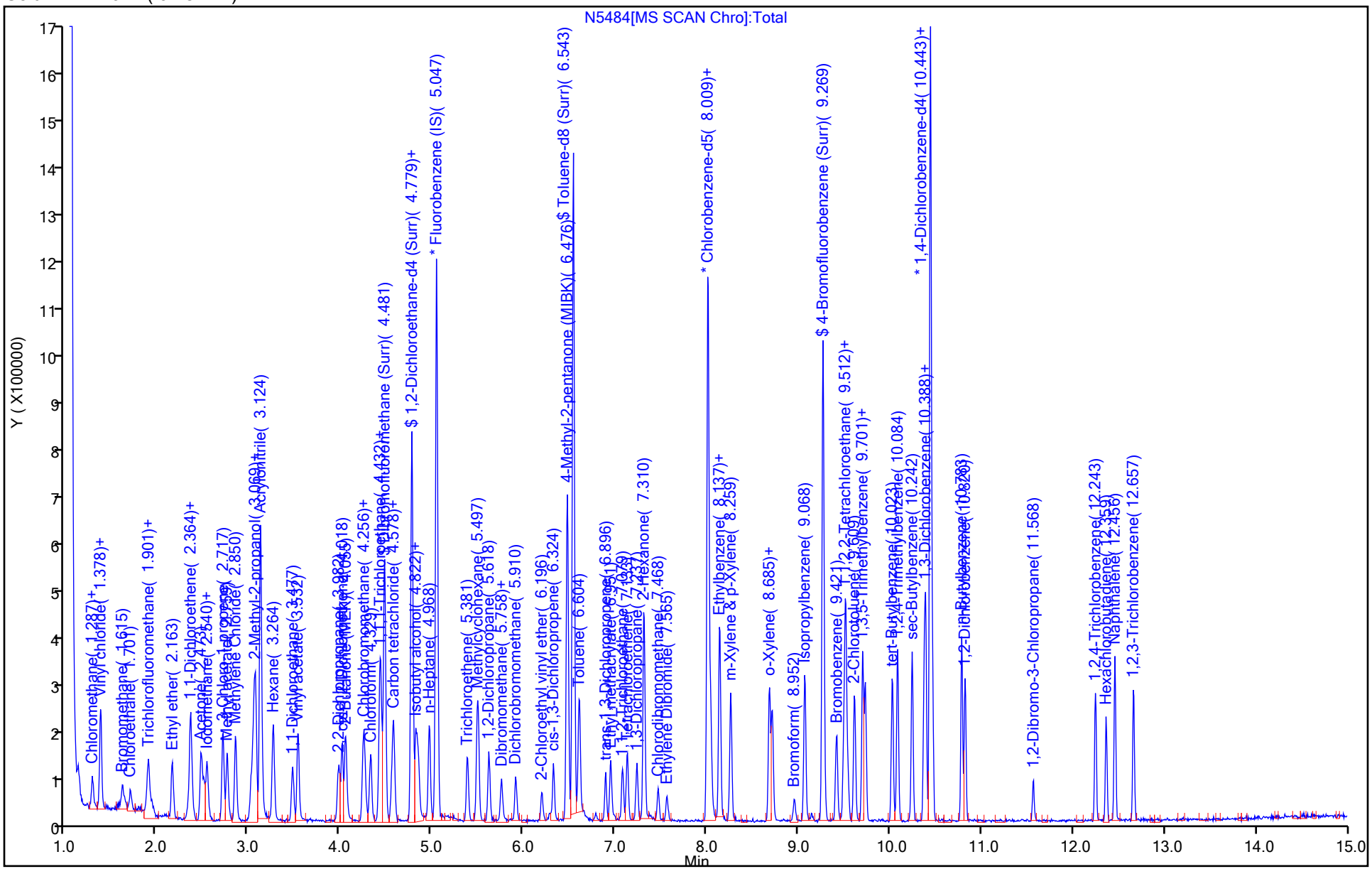
Report Date: 13-Mar-2024 10:18:00 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5484.d

Injection Date:	12-Mar-2024 16:45:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 3			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

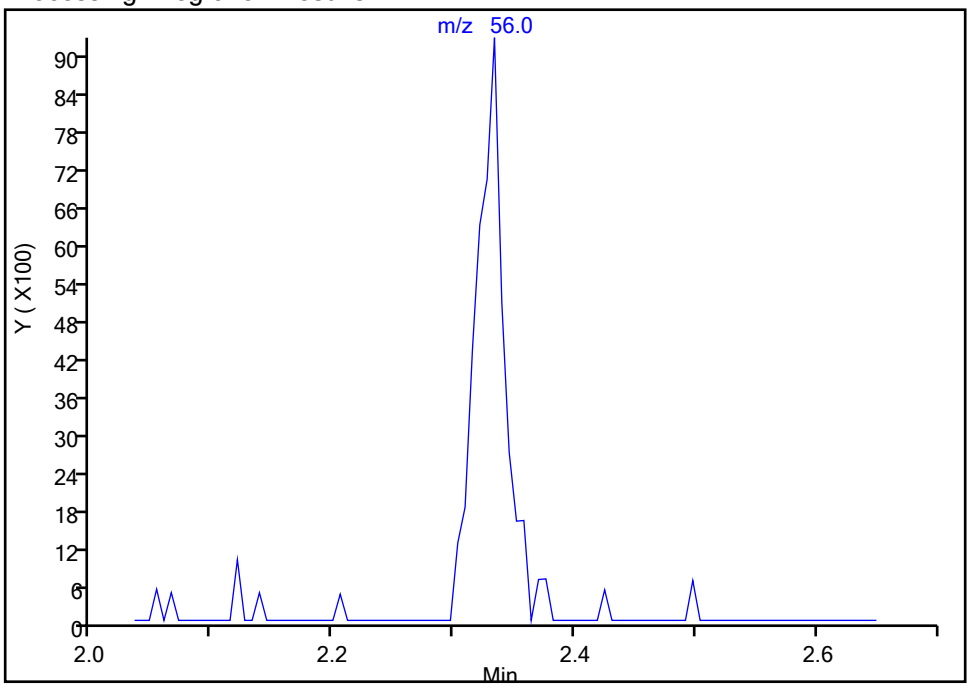
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5484.d
Injection Date: 12-Mar-2024 16:45:30 Instrument ID: HP5973N
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 15 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

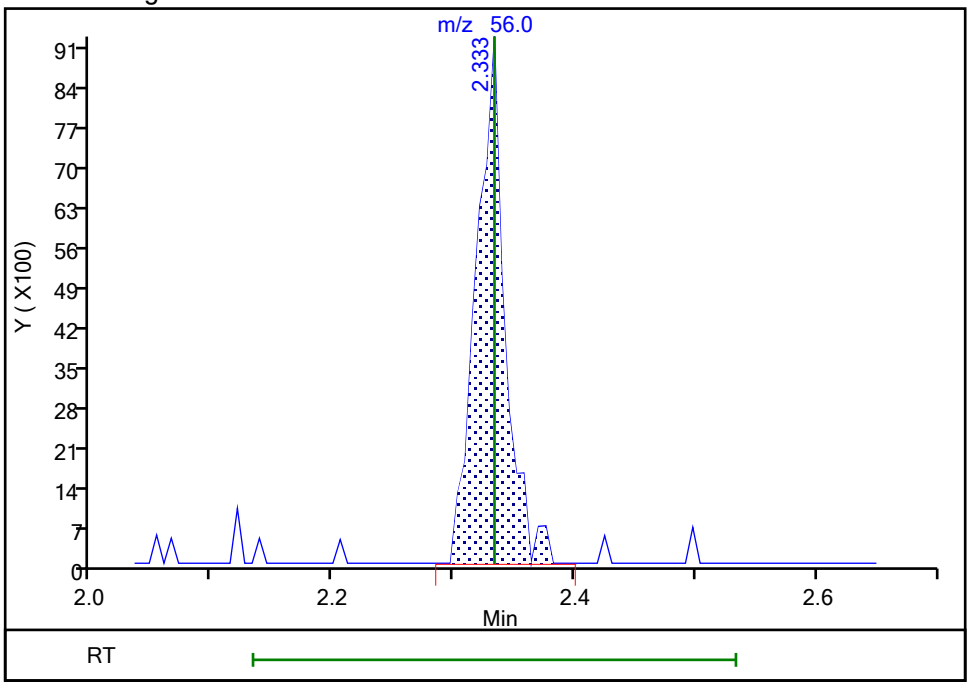
Not Detected
Expected RT: 2.33

Processing Integration Results



Manual Integration Results

RT: 2.33
Area: 15423
Amount: 26.640602
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:44:38 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5485.d
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 12-Mar-2024 17:07:30 ALS Bottle#: 16 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0116708-015
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2024 10:18:07 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: WLL8 Date: 12-Mar-2024 20:45:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.053	5.047	0.006	97	172156	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.015	8.015	0.000	90	633418	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.443	10.443	0.000	96	373262	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.481	4.481	0.000	93	294049	25.0	25.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.779	4.779	0.000	94	364791	25.0	25.5	
$ 6 Toluene-d8 (Surr)	98	6.543	6.543	0.000	94	832966	25.0	25.0	
$ 7 4-Bromofluorobenzene (Surr)	174	9.269	9.269	0.000	87	278234	25.0	25.2	
11 Dichlorodifluoromethane	85	1.141	1.141	0.000	98	100251	10.0	10.6	
13 Chloromethane	50	1.287	1.287	0.000	99	172541	10.0	10.3	
14 Vinyl chloride	62	1.372	1.372	0.000	97	102483	10.0	10.8	
144 Butadiene	54	1.378	1.378	0.000	97	183005	10.0	10.7	
15 Bromomethane	94	1.634	1.622	0.012	92	66555	10.0	10.6	
16 Chloroethane	64	1.707	1.701	0.006	97	72663	10.0	10.7	
18 Trichlorofluoromethane	101	1.907	1.889	0.018	69	125325	10.0	10.7	
17 Dichlorofluoromethane	67	1.901	1.901	0.000	96	189961	10.0	10.4	
19 Ethyl ether	59	2.163	2.157	0.006	92	112722	10.0	9.83	
20 Acrolein	56	2.327	2.333	-0.006	0	28181	50.0	47.7	M
22 1,1-Dichloroethene	96	2.364	2.358	0.006	94	79308	10.0	9.91	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.364	2.364	0.000	61	81381	10.0	9.88	
23 Acetone	43	2.473	2.473	0.000	96	373983	50.0	51.6	
24 Iodomethane	142	2.510	2.510	0.000	100	145450	10.0	10.3	
25 Carbon disulfide	76	2.546	2.540	0.006	99	266882	10.0	10.6	
27 3-Chloro-1-propene	41	2.717	2.711	0.007	86	261547	10.0	10.5	
28 Methyl acetate	43	2.759	2.759	0.000	100	379891	20.0	20.3	
30 Methylene Chloride	84	2.857	2.857	0.000	90	101543	10.0	9.82	
31 2-Methyl-2-propanol	59	3.021	3.021	0.000	97	197826	100.0	96.1	
32 Methyl tert-butyl ether	73	3.057	3.057	0.000	97	331036	10.0	10.2	
33 trans-1,2-Dichloroethene	96	3.076	3.076	0.000	91	93290	10.0	10.2	
34 Acrylonitrile	53	3.124	3.124	0.000	97	885876	100.0	102.5	
35 Hexane	57	3.264	3.264	0.000	97	157308	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.477	3.477	0.000	97	207431	10.0	10.7	
39 Vinyl acetate	43	3.532	3.532	0.000	96	589033	20.0	20.8	
42 2,2-Dichloropropane	77	3.982	3.982	0.000	81	102873	10.0	9.95	
43 cis-1,2-Dichloroethene	96	4.018	4.018	0.000	85	105411	10.0	10.5	
44 2-Butanone (MEK)	43	4.055	4.055	0.000	96	510578	50.0	51.5	
47 Chlorobromomethane	128	4.244	4.244	0.000	88	58811	10.0	10.8	
49 Tetrahydrofuran	42	4.262	4.262	0.000	94	159100	20.0	21.5	
50 Chloroform	83	4.329	4.329	0.000	95	173252	10.0	10.1	
51 1,1,1-Trichloroethane	97	4.432	4.426	0.006	79	124653	10.0	9.94	
52 Cyclohexane	56	4.438	4.438	0.000	97	202041	10.0	9.72	
53 Carbon tetrachloride	117	4.566	4.566	0.000	87	100908	10.0	9.86	
54 1,1-Dichloropropene	75	4.584	4.584	0.000	84	108930	10.0	10.2	
55 Benzene	78	4.779	4.779	0.000	82	316665	10.0	9.90	
56 Isobutyl alcohol	43	4.822	4.822	0.000	94	263676	250.0	268.5	
57 1,2-Dichloroethane	62	4.846	4.852	-0.006	95	154300	10.0	10.4	
59 n-Heptane	43	4.968	4.974	-0.006	95	189241	10.0	10.8	
60 Trichloroethene	95	5.381	5.387	-0.006	94	79765	10.0	10.1	
62 Methylcyclohexane	83	5.503	5.497	0.006	95	150154	10.0	10.5	
63 1,2-Dichloropropane	63	5.618	5.618	0.000	87	90489	10.0	10.9	
64 Dibromomethane	93	5.758	5.758	0.000	96	53819	10.0	10.7	
66 1,4-Dioxane	88	5.764	5.771	-0.007	43	16963	200.0	230.2	
67 Dichlorobromomethane	83	5.910	5.910	0.000	96	102053	10.0	10.3	
69 2-Chloroethyl vinyl ether	63	6.196	6.190	0.006	89	55563	10.0	11.0	
71 cis-1,3-Dichloropropene	75	6.324	6.324	0.000	85	104439	10.0	10.3	
72 4-Methyl-2-pentanone (MIBK)	58	6.476	6.476	0.000	98	337941	50.0	51.8	
73 Toluene	92	6.604	6.610	-0.006	96	178505	10.0	9.97	
75 trans-1,3-Dichloropropene	75	6.896	6.896	0.000	90	84403	10.0	9.53	
77 Ethyl methacrylate	69	6.951	6.951	0.000	88	97101	10.0	9.87	
78 1,1,2-Trichloroethane	83	7.079	7.079	0.000	93	56539	10.0	10.2	
79 Tetrachloroethene	166	7.133	7.133	0.000	95	77096	10.0	10.0	
80 1,3-Dichloropropane	76	7.237	7.237	0.000	92	111134	10.0	10.2	
82 2-Hexanone	43	7.316	7.310	0.006	97	735493	50.0	52.9	
83 Chlorodibromomethane	129	7.468	7.468	0.000	88	72981	10.0	10.4	
84 Ethylene Dibromide	107	7.565	7.565	0.000	94	75986	10.0	10.2	
85 Chlorobenzene	112	8.046	8.040	0.006	92	218926	10.0	10.2	
88 Ethylbenzene	91	8.137	8.137	0.000	98	371561	10.0	10.3	
89 1,1,1,2-Tetrachloroethane	131	8.143	8.143	0.000	94	79991	10.0	9.82	
90 m-Xylene & p-Xylene	106	8.265	8.259	0.006	97	149800	10.0	10.9	
91 o-Xylene	106	8.685	8.685	0.000	97	145728	10.0	9.84	
92 Styrene	104	8.715	8.715	0.000	94	240249	10.0	10.9	
93 Bromoform	173	8.958	8.952	0.006	96	50049	10.0	9.66	
95 Isopropylbenzene	105	9.074	9.068	0.006	96	392038	10.0	10.2	
97 Bromobenzene	156	9.415	9.421	-0.006	93	98092	10.0	10.7	
98 1,1,2,2-Tetrachloroethane	83	9.494	9.494	0.000	95	125055	10.0	10.4	
100 N-Propylbenzene	91	9.518	9.512	0.006	98	450488	10.0	10.1	
99 1,2,3-Trichloropropane	110	9.518	9.524	-0.006	58	42474	10.0	10.2	
101 trans-1,4-Dichloro-2-butene	53	9.536	9.542	-0.006	71	52522	10.0	10.3	
102 2-Chlorotoluene	126	9.615	9.609	0.006	96	97088	10.0	10.6	
104 1,3,5-Trimethylbenzene	105	9.707	9.701	0.006	93	347777	10.0	10.3	
105 4-Chlorotoluene	91	9.731	9.731	0.000	97	323625	10.0	10.7	
106 tert-Butylbenzene	134	10.029	10.029	0.000	96	65261	10.0	9.89	
108 1,2,4-Trimethylbenzene	105	10.084	10.084	0.000	99	365652	10.0	10.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.242	10.242	0.000	95	434559	10.0	10.4	
110 1,3-Dichlorobenzene	146	10.370	10.376	-0.006	96	192905	10.0	10.1	
111 4-Isopropyltoluene	119	10.388	10.388	0.000	98	385782	10.0	10.3	
113 1,4-Dichlorobenzene	146	10.467	10.467	0.000	94	194172	10.0	10.2	
115 n-Butylbenzene	91	10.783	10.783	0.000	98	325519	10.0	10.2	
116 1,2-Dichlorobenzene	146	10.820	10.820	0.000	97	203397	10.0	10.8	
117 1,2-Dibromo-3-Chloropropane	75	11.568	11.568	0.000	76	30357	10.0	10.7	
119 1,2,4-Trichlorobenzene	180	12.243	12.250	-0.007	92	135701	10.0	10.7	
120 Hexachlorobutadiene	225	12.365	12.359	0.006	96	57144	10.0	9.29	
121 Naphthalene	128	12.456	12.456	0.000	97	431088	10.0	10.3	
122 1,2,3-Trichlorobenzene	180	12.663	12.663	0.000	96	129710	10.0	10.4	
S 124 1,2-Dichloroethene, Total	1				0			20.7	
S 126 Xylenes, Total	1				0			20.7	
S 123 1,3-Dichloropropene, Total	1				0			19.8	
S 125 Total BTEX	1				0			50.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00251	Amount Added:	5.00	Units: uL	
GAS CORP mix_00611	Amount Added:	5.00	Units: uL	
N_8260_Surr_00468	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00266	Amount Added:	1.00	Units: uL	Run Reagent

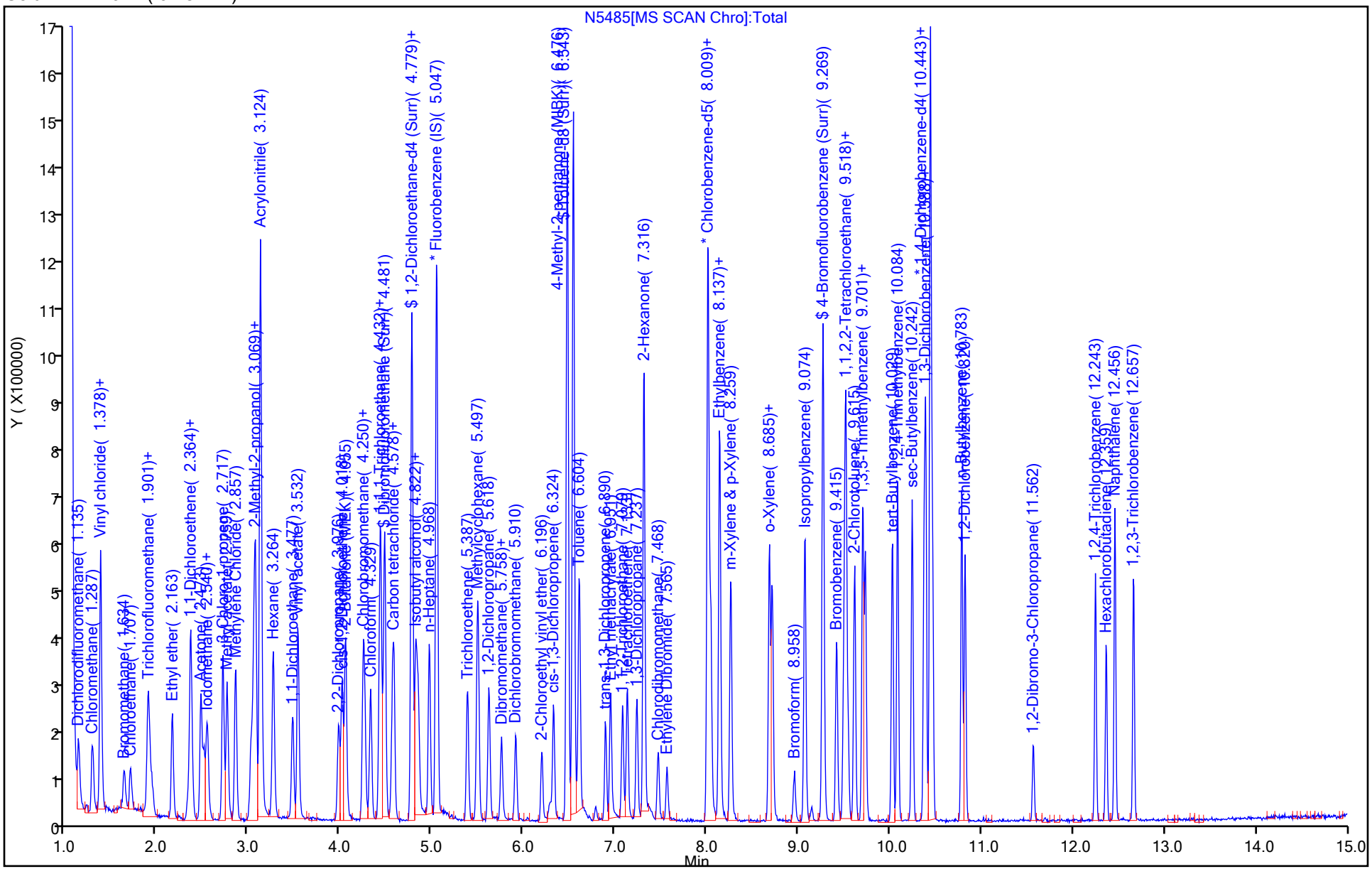
Report Date: 13-Mar-2024 10:18:08 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5485.d

Injection Date:	12-Mar-2024 17:07:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 4			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

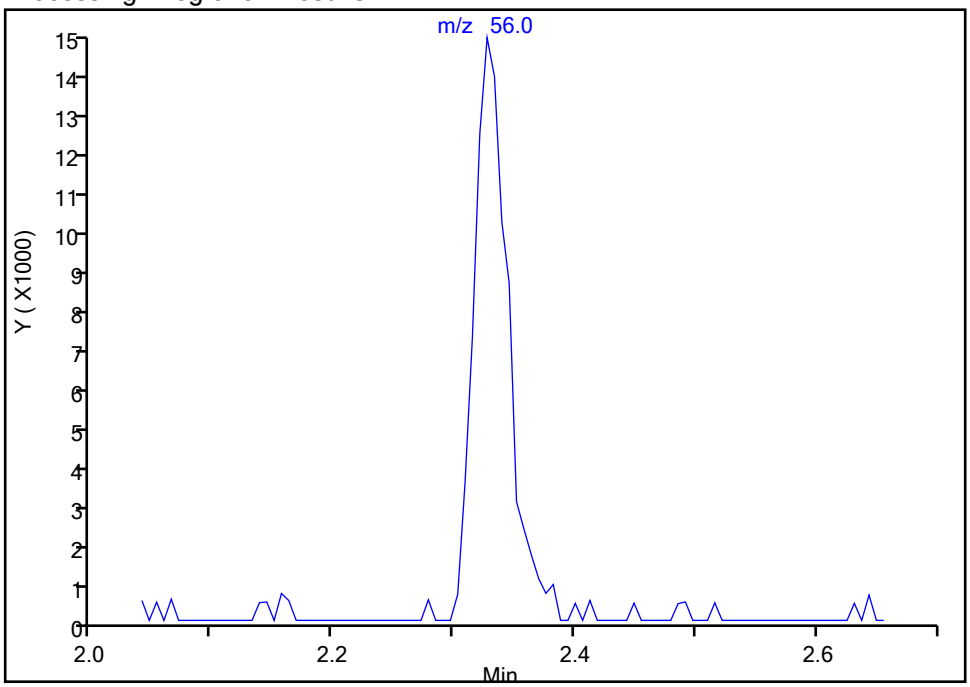
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5485.d
Injection Date: 12-Mar-2024 17:07:30 Instrument ID: HP5973N
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 16 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

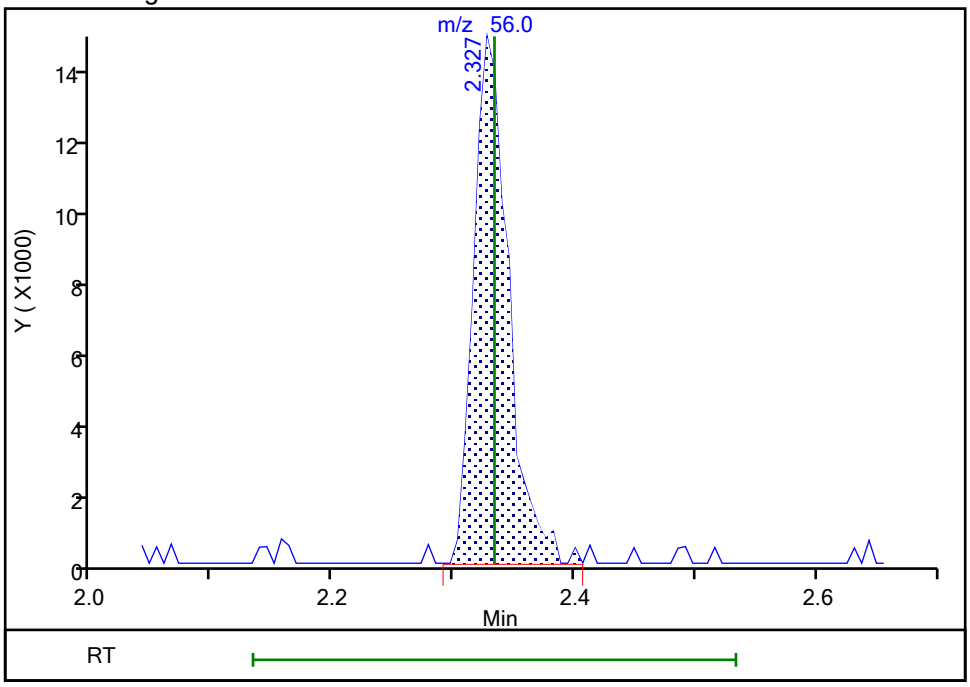
Not Detected
Expected RT: 2.33

Processing Integration Results



Manual Integration Results

RT: 2.33
Area: 28181
Amount: 47.688231
Amount Units: ug/L



Reviewer: WLL8, 12-Mar-2024 20:45:19 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5486.d
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 12-Mar-2024 17:30:30 ALS Bottle#: 17 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0116708-016
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2024 10:20:32 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: WLL8 Date: 13-Mar-2024 10:20:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.047	5.047	0.000	97	184325	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.009	8.009	0.000	89	631357	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.443	10.443	0.000	95	380875	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.481	4.481	0.000	93	298800	25.0	24.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.779	4.779	0.000	87	381705	25.0	24.9	
$ 6 Toluene-d8 (Surr)	98	6.543	6.543	0.000	95	857392	25.0	25.8	
$ 7 4-Bromofluorobenzene (Surr)	174	9.269	9.269	0.000	87	274417	25.0	24.9	
11 Dichlorodifluoromethane	85	1.141	1.141	0.000	98	253853	25.0	25.0	
13 Chloromethane	50	1.293	1.293	0.000	99	426361	25.0	23.7	
14 Vinyl chloride	62	1.372	1.372	0.000	98	252323	25.0	24.9	
144 Butadiene	54	1.384	1.384	0.000	98	417447	25.0	22.9	
15 Bromomethane	94	1.646	1.646	0.000	93	147280	25.0	22.0	
16 Chloroethane	64	1.713	1.713	0.000	96	175623	25.0	24.1	
18 Trichlorofluoromethane	101	1.901	1.901	0.000	56	326635	25.0	26.1	
17 Dichlorofluoromethane	67	1.907	1.907	0.000	96	464924	25.0	23.8	
19 Ethyl ether	59	2.163	2.163	0.000	93	301127	25.0	24.5	
20 Acrolein	56	2.333	2.333	0.000	98	72413	125.0	114.4	
22 1,1-Dichloroethene	96	2.364	2.364	0.000	92	208684	25.0	24.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.364	2.364	0.000	94	232785	25.0	26.4	
23 Acetone	43	2.479	2.479	0.000	97	955695	125.0	123.1	
24 Iodomethane	142	2.516	2.516	0.000	98	366193	25.0	24.2	
25 Carbon disulfide	76	2.546	2.546	0.000	100	693820	25.0	25.6	
27 3-Chloro-1-propene	41	2.716	2.716	0.000	87	697336	25.0	26.1	
28 Methyl acetate	43	2.765	2.765	0.000	100	980747	50.0	49.1	
30 Methylene Chloride	84	2.856	2.856	0.000	90	249863	25.0	22.6	
31 2-Methyl-2-propanol	59	3.027	3.027	0.000	97	561776	250.0	255.0	
32 Methyl tert-butyl ether	73	3.057	3.057	0.000	96	839082	25.0	24.2	
33 trans-1,2-Dichloroethene	96	3.075	3.075	0.000	91	248139	25.0	25.3	
34 Acrylonitrile	53	3.130	3.130	0.000	97	2242096	250.0	242.3	
35 Hexane	57	3.264	3.264	0.000	96	452111	25.0	27.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.477	3.477	0.000	97	516486	25.0	25.0	
39 Vinyl acetate	43	3.538	3.538	0.000	96	1629500	50.0	53.7	
42 2,2-Dichloropropane	77	3.982	3.982	0.000	88	264846	25.0	23.9	
43 cis-1,2-Dichloroethene	96	4.018	4.018	0.000	85	266384	25.0	24.8	
44 2-Butanone (MEK)	43	4.055	4.055	0.000	96	1305738	125.0	123.1	
47 Chlorobromomethane	128	4.250	4.250	0.000	87	137809	25.0	23.7	
49 Tetrahydrofuran	42	4.262	4.262	0.000	94	399671	50.0	50.5	
50 Chloroform	83	4.329	4.329	0.000	96	454423	25.0	24.8	
51 1,1,1-Trichloroethane	97	4.432	4.432	0.000	95	336430	25.0	25.1	
52 Cyclohexane	56	4.438	4.438	0.000	97	577853	25.0	26.0	
53 Carbon tetrachloride	117	4.566	4.566	0.000	95	268279	25.0	24.5	
54 1,1-Dichloropropene	75	4.584	4.584	0.000	85	308049	25.0	27.0	
55 Benzene	78	4.779	4.779	0.000	91	872144	25.0	25.5	
56 Isobutyl alcohol	43	4.821	4.821	0.000	94	651674	625.0	619.7	
57 1,2-Dichloroethane	62	4.852	4.852	0.000	95	395596	25.0	25.0	
59 n-Heptane	43	4.967	4.967	0.000	95	495565	25.0	26.3	
60 Trichloroethene	95	5.387	5.387	0.000	95	214985	25.0	25.4	
62 Methylcyclohexane	83	5.497	5.497	0.000	94	422627	25.0	27.6	
63 1,2-Dichloropropane	63	5.624	5.624	0.000	83	220658	25.0	24.9	
64 Dibromomethane	93	5.758	5.758	0.000	96	141577	25.0	26.3	
66 1,4-Dioxane	88	5.770	5.770	0.000	95	38683	500.0	526.7	
67 Dichlorobromomethane	83	5.910	5.910	0.000	96	277939	25.0	26.2	
69 2-Chloroethyl vinyl ether	63	6.196	6.196	0.000	85	138284	25.0	25.5	
71 cis-1,3-Dichloropropene	75	6.330	6.330	0.000	85	290539	25.0	26.7	
72 4-Methyl-2-pentanone (MIBK)	58	6.476	6.476	0.000	97	869392	125.0	133.7	
73 Toluene	92	6.610	6.610	0.000	97	476604	25.0	26.7	
75 trans-1,3-Dichloropropene	75	6.890	6.890	0.000	92	248520	25.0	28.1	
77 Ethyl methacrylate	69	6.951	6.951	0.000	87	251935	25.0	25.7	
78 1,1,2-Trichloroethane	83	7.078	7.078	0.000	94	143494	25.0	25.9	
79 Tetrachloroethene	166	7.133	7.133	0.000	95	209915	25.0	27.3	
80 1,3-Dichloropropane	76	7.237	7.237	0.000	90	280674	25.0	25.7	
82 2-Hexanone	43	7.310	7.310	0.000	97	1733434	125.0	125.1	
83 Chlorodibromomethane	129	7.468	7.468	0.000	91	194163	25.0	27.8	
84 Ethylene Dibromide	107	7.565	7.565	0.000	99	191417	25.0	25.8	
85 Chlorobenzene	112	8.040	8.040	0.000	92	541995	25.0	25.4	
88 Ethylbenzene	91	8.137	8.137	0.000	98	950785	25.0	26.5	
89 1,1,1,2-Tetrachloroethane	131	8.143	8.143	0.000	91	210625	25.0	26.0	
90 m-Xylene & p-Xylene	106	8.265	8.265	0.000	97	382905	25.0	28.0	
91 o-Xylene	106	8.684	8.684	0.000	97	418596	25.0	28.4	
92 Styrene	104	8.715	8.715	0.000	93	606971	25.0	27.6	
93 Bromoform	173	8.958	8.958	0.000	95	137007	25.0	26.5	
95 Isopropylbenzene	105	9.074	9.074	0.000	96	1087184	25.0	27.8	
97 Bromobenzene	156	9.421	9.421	0.000	92	248577	25.0	26.7	
98 1,1,2,2-Tetrachloroethane	83	9.494	9.494	0.000	93	320070	25.0	26.1	
100 N-Propylbenzene	91	9.512	9.512	0.000	99	1216538	25.0	26.7	
99 1,2,3-Trichloropropane	110	9.518	9.518	0.000	91	108864	25.0	25.5	
101 trans-1,4-Dichloro-2-butene	53	9.542	9.542	0.000	78	135610	25.0	26.1	
102 2-Chlorotoluene	126	9.615	9.615	0.000	95	245579	25.0	26.2	
104 1,3,5-Trimethylbenzene	105	9.700	9.700	0.000	94	917004	25.0	26.6	
105 4-Chlorotoluene	91	9.731	9.731	0.000	98	816499	25.0	26.4	
106 tert-Butylbenzene	134	10.023	10.023	0.000	95	190399	25.0	28.3	
108 1,2,4-Trimethylbenzene	105	10.084	10.084	0.000	98	955532	25.0	27.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.242	10.242	0.000	95	1186416	25.0	27.9	
110 1,3-Dichlorobenzene	146	10.370	10.370	0.000	97	505798	25.0	26.0	
111 4-Isopropyltoluene	119	10.388	10.388	0.000	98	1041273	25.0	27.4	
113 1,4-Dichlorobenzene	146	10.467	10.467	0.000	93	501551	25.0	25.9	
115 n-Butylbenzene	91	10.783	10.783	0.000	98	899333	25.0	27.7	
116 1,2-Dichlorobenzene	146	10.820	10.820	0.000	96	497244	25.0	25.8	
117 1,2-Dibromo-3-Chloropropane	75	11.562	11.562	0.000	81	80430	25.0	27.7	
119 1,2,4-Trichlorobenzene	180	12.243	12.243	0.000	95	352543	25.0	27.4	
120 Hexachlorobutadiene	225	12.365	12.365	0.000	97	154407	25.0	24.0	
121 Naphthalene	128	12.456	12.456	0.000	97	1190599	25.0	27.8	
122 1,2,3-Trichlorobenzene	180	12.663	12.663	0.000	94	346593	25.0	27.2	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00251	Amount Added: 12.50	Units: uL	
GAS CORP mix_00611	Amount Added: 12.50	Units: uL	
N_8260_Surr_00468	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00266	Amount Added: 1.00	Units: uL	Run Reagent

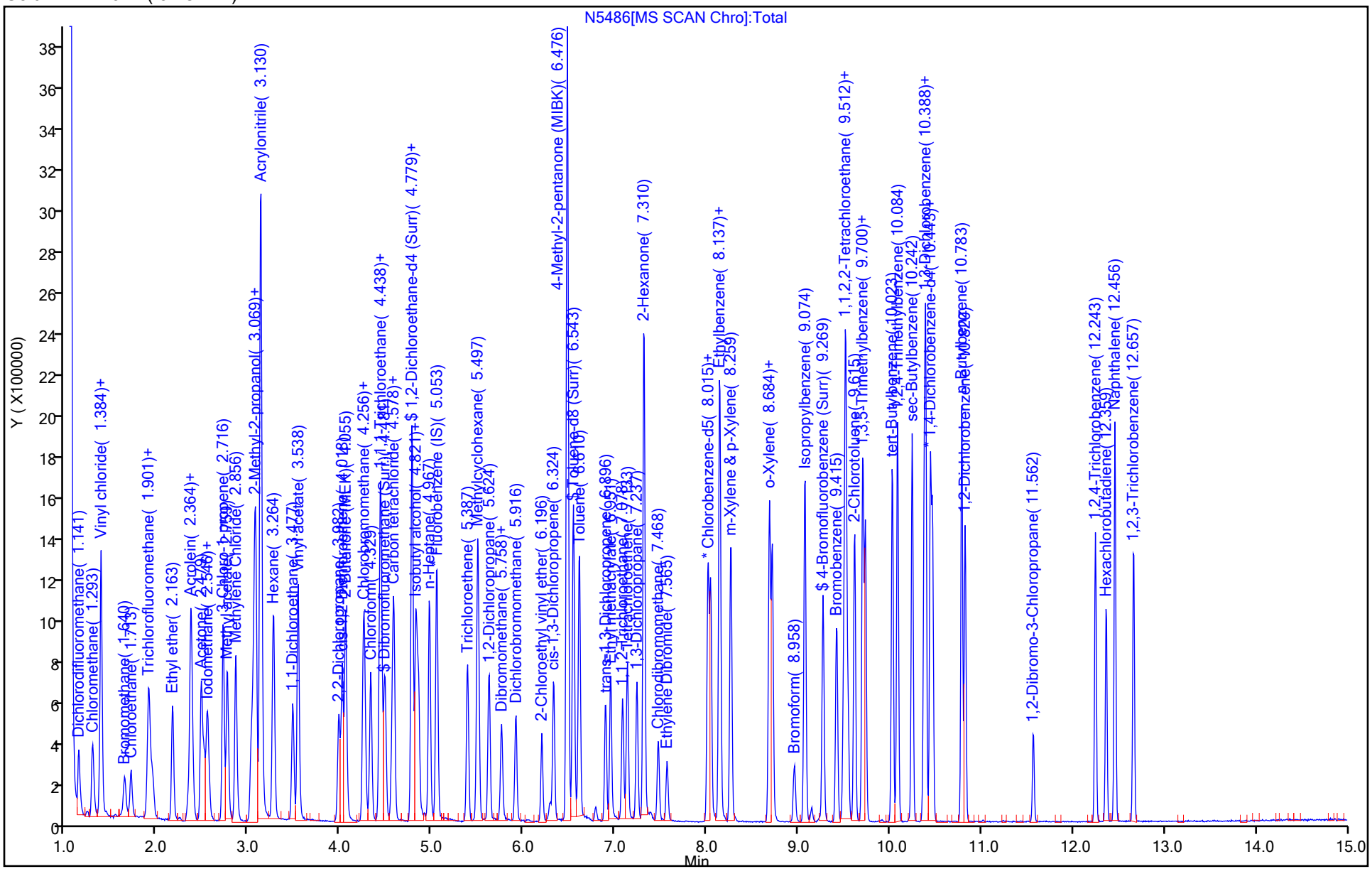
Report Date: 13-Mar-2024 10:20:33 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5486.d

Injection Date:	12-Mar-2024 17:30:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	ICIS 5			Worklist Smp#:	16
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5487.d
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 12-Mar-2024 17:52:30 ALS Bottle#: 18 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0116708-017
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2024 10:18:16 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: WLL8 Date: 12-Mar-2024 20:47:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.052	5.047	0.005	98	181429	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.015	8.015	0.000	87	646553	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.442	10.443	-0.001	95	383096	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.481	4.481	0.000	91	290739	25.0	24.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.779	4.779	0.000	78	364802	25.0	24.2	
$ 6 Toluene-d8 (Surr)	98	6.543	6.543	0.000	94	831795	25.0	24.5	
$ 7 4-Bromofluorobenzene (Surr)	174	9.268	9.269	-0.001	88	272060	25.0	24.1	
11 Dichlorodifluoromethane	85	1.141	1.141	0.000	98	526280	50.0	52.6	
13 Chloromethane	50	1.287	1.287	0.000	99	871777	50.0	49.2	
14 Vinyl chloride	62	1.372	1.372	0.000	97	566628	50.0	56.9	
144 Butadiene	54	1.378	1.378	0.000	99	913051	50.0	50.9	
15 Bromomethane	94	1.640	1.622	0.018	92	328555	50.0	49.9	
16 Chloroethane	64	1.706	1.701	0.005	95	349328	50.0	48.8	
18 Trichlorofluoromethane	101	1.901	1.889	0.012	59	757779	50.0	61.6	
17 Dichlorofluoromethane	67	1.901	1.901	0.000	96	977091	50.0	50.9	
19 Ethyl ether	59	2.163	2.157	0.006	93	599493	50.0	49.6	
20 Acrolein	56	2.327	2.333	-0.006	98	139584	250.0	224.1	
22 1,1-Dichloroethene	96	2.364	2.358	0.006	91	443363	50.0	52.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.370	2.364	0.006	94	490509	50.0	56.5	
23 Acetone	43	2.479	2.473	0.006	97	1891453	250.0	247.4	
24 Iodomethane	142	2.510	2.510	0.000	99	787381	50.0	52.8	
25 Carbon disulfide	76	2.546	2.540	0.006	99	1506537	50.0	56.5	
27 3-Chloro-1-propene	41	2.716	2.711	0.006	86	1406539	50.0	53.5	
28 Methyl acetate	43	2.759	2.759	0.000	100	1855945	100.0	94.3	
30 Methylene Chloride	84	2.856	2.857	0.000	90	517571	50.0	47.5	
31 2-Methyl-2-propanol	59	3.027	3.021	0.006	98	1136148	500.0	524.0	
32 Methyl tert-butyl ether	73	3.057	3.057	0.000	97	1767343	50.0	51.7	
33 trans-1,2-Dichloroethene	96	3.069	3.076	-0.007	92	509695	50.0	52.8	
34 Acrylonitrile	53	3.124	3.124	0.000	98	4392930	500.0	482.4	
35 Hexane	57	3.264	3.264	0.000	97	930467	50.0	56.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.477	3.477	0.000	97	1052208	50.0	51.7	
39 Vinyl acetate	43	3.532	3.532	0.000	96	3084399	100.0	103.2	
42 2,2-Dichloropropane	77	3.982	3.982	0.000	84	584899	50.0	53.7	
43 cis-1,2-Dichloroethene	96	4.018	4.018	0.000	85	529188	50.0	50.0	
44 2-Butanone (MEK)	43	4.055	4.055	0.000	96	2474407	250.0	237.0	
47 Chlorobromomethane	128	4.249	4.244	0.005	87	278968	50.0	48.8	
49 Tetrahydrofuran	42	4.262	4.262	0.000	92	739338	100.0	94.9	
50 Chloroform	83	4.329	4.329	-0.001	97	921413	50.0	51.1	
51 1,1,1-Trichloroethane	97	4.432	4.426	0.006	95	732588	50.0	55.4	
52 Cyclohexane	56	4.438	4.438	0.000	97	1281294	50.0	58.5	
53 Carbon tetrachloride	117	4.566	4.566	0.000	95	625022	50.0	57.9	
54 1,1-Dichloropropene	75	4.584	4.584	0.000	85	609308	50.0	54.2	
55 Benzene	78	4.779	4.779	0.000	94	1717828	50.0	51.0	
56 Isobutyl alcohol	43	4.821	4.822	-0.001	95	1378887	1250.0	1332.1	
57 1,2-Dichloroethane	62	4.852	4.852	0.000	95	753812	50.0	48.4	
59 n-Heptane	43	4.967	4.974	-0.007	96	1031494	50.0	55.7	
60 Trichloroethene	95	5.387	5.387	0.000	95	408119	50.0	49.1	
62 Methylcyclohexane	83	5.497	5.497	0.000	94	908140	50.0	60.2	
63 1,2-Dichloropropane	63	5.618	5.618	0.000	87	452682	50.0	51.8	
64 Dibromomethane	93	5.752	5.758	-0.006	94	267102	50.0	50.4	
66 1,4-Dioxane	88	5.764	5.771	-0.007	30	72572	1000.0	964.9	M
67 Dichlorobromomethane	83	5.910	5.910	0.000	97	542939	50.0	52.0	
69 2-Chloroethyl vinyl ether	63	6.196	6.190	0.006	88	262056	50.0	49.0	
71 cis-1,3-Dichloropropene	75	6.324	6.324	0.000	85	554946	50.0	51.8	
72 4-Methyl-2-pentanone (MIBK)	58	6.476	6.476	0.000	97	1727508	250.0	259.4	
73 Toluene	92	6.610	6.610	0.000	97	945567	50.0	51.8	
75 trans-1,3-Dichloropropene	75	6.896	6.896	0.000	93	482033	50.0	53.3	
77 Ethyl methacrylate	69	6.951	6.951	0.000	88	532469	50.0	53.0	
78 1,1,2-Trichloroethane	83	7.078	7.079	0.000	95	283924	50.0	50.1	
79 Tetrachloroethene	166	7.133	7.133	0.000	95	418356	50.0	53.2	
80 1,3-Dichloropropane	76	7.236	7.237	-0.001	91	552237	50.0	49.5	
82 2-Hexanone	43	7.309	7.310	-0.001	97	3410693	250.0	240.3	
83 Chlorodibromomethane	129	7.468	7.468	0.000	86	395536	50.0	55.3	
84 Ethylene Dibromide	107	7.565	7.565	0.000	99	365029	50.0	48.0	
85 Chlorobenzene	112	8.039	8.040	-0.001	92	1111216	50.0	50.9	
88 Ethylbenzene	91	8.137	8.137	0.000	98	1956833	50.0	53.2	
89 1,1,1,2-Tetrachloroethane	131	8.143	8.143	0.000	94	437170	50.0	52.6	
90 m-Xylene & p-Xylene	106	8.265	8.259	0.006	98	775334	50.0	55.3	
91 o-Xylene	106	8.684	8.685	-0.001	97	829983	50.0	54.9	
92 Styrene	104	8.715	8.715	0.000	95	1263159	50.0	56.1	
93 Bromoform	173	8.958	8.952	0.006	95	283603	50.0	53.6	
95 Isopropylbenzene	105	9.074	9.068	0.006	97	2220236	50.0	56.4	
97 Bromobenzene	156	9.420	9.421	-0.001	94	495765	50.0	52.9	
98 1,1,2,2-Tetrachloroethane	83	9.493	9.494	-0.001	94	632912	50.0	51.3	
100 N-Propylbenzene	91	9.512	9.512	0.000	99	2549709	50.0	55.7	
99 1,2,3-Trichloropropane	110	9.518	9.524	-0.006	93	213930	50.0	49.8	
101 trans-1,4-Dichloro-2-butene	53	9.542	9.542	0.000	82	278552	50.0	53.4	
102 2-Chlorotoluene	126	9.615	9.609	0.006	96	506035	50.0	53.6	
104 1,3,5-Trimethylbenzene	105	9.706	9.701	0.005	94	1925941	50.0	55.6	
105 4-Chlorotoluene	91	9.731	9.731	0.000	98	1637487	50.0	52.6	
106 tert-Butylbenzene	134	10.029	10.029	0.000	96	404202	50.0	59.7	
108 1,2,4-Trimethylbenzene	105	10.084	10.084	0.000	98	1996544	50.0	56.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.242	10.242	0.000	95	2522508	50.0	59.0	
110 1,3-Dichlorobenzene	146	10.376	10.376	0.000	97	1037921	50.0	53.1	
111 4-Isopropyltoluene	119	10.388	10.388	0.000	98	2180130	50.0	57.0	
113 1,4-Dichlorobenzene	146	10.467	10.467	0.000	94	1046460	50.0	53.7	
115 n-Butylbenzene	91	10.783	10.783	0.000	98	1916151	50.0	58.6	
116 1,2-Dichlorobenzene	146	10.820	10.820	0.000	96	1047692	50.0	54.1	
117 1,2-Dibromo-3-Chloropropane	75	11.568	11.568	0.000	80	165906	50.0	56.7	
119 1,2,4-Trichlorobenzene	180	12.243	12.250	-0.007	95	724209	50.0	55.9	
120 Hexachlorobutadiene	225	12.365	12.359	0.006	96	333932	50.0	51.1	
121 Naphthalene	128	12.456	12.456	0.000	97	2457280	50.0	57.0	
122 1,2,3-Trichlorobenzene	180	12.663	12.663	0.000	96	686157	50.0	53.6	
S 124 1,2-Dichloroethene, Total	1				0			102.7	
S 126 Xylenes, Total	1				0			110.2	
S 123 1,3-Dichloropropene, Total	1				0			105.1	
S 125 Total BTEX	1				0			266.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00251	Amount Added:	25.00	Units: uL	
GAS CORP mix_00611	Amount Added:	25.00	Units: uL	
N_8260_Surr_00468	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00266	Amount Added:	1.00	Units: uL	Run Reagent

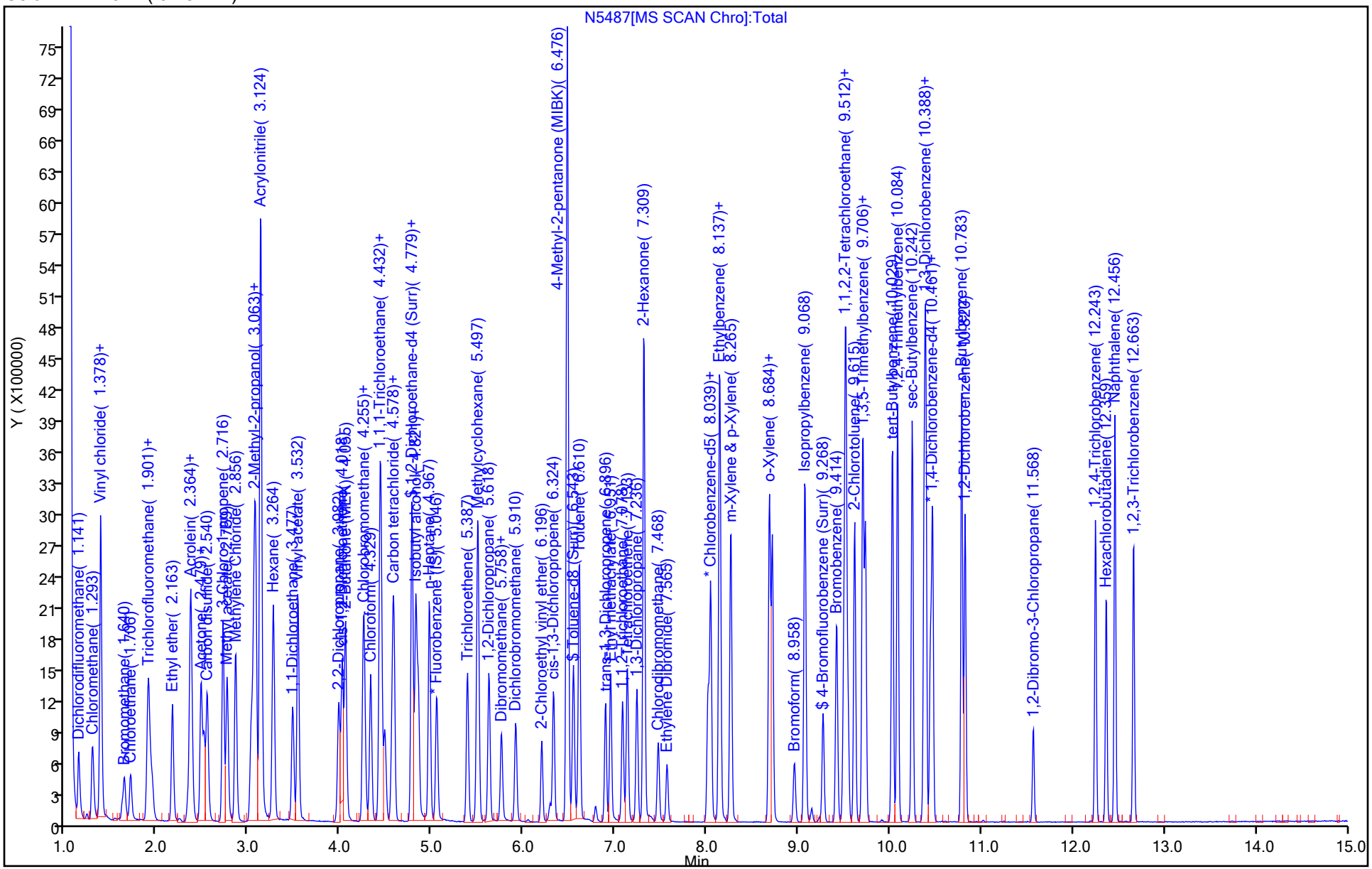
Report Date: 13-Mar-2024 10:18:17 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5487.d

Injection Date:	12-Mar-2024 17:52:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 6			Worklist Smp#:	17
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

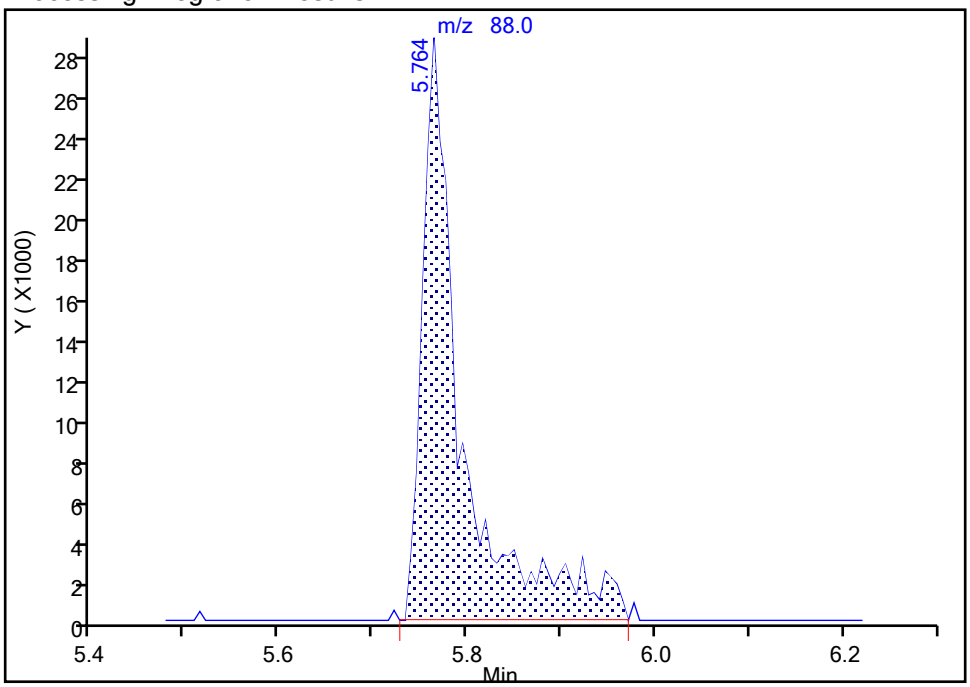
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5487.d
Injection Date: 12-Mar-2024 17:52:30 Instrument ID: HP5973N
Lims ID: IC 6
Client ID:
Operator ID: LH ALS Bottle#: 18 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

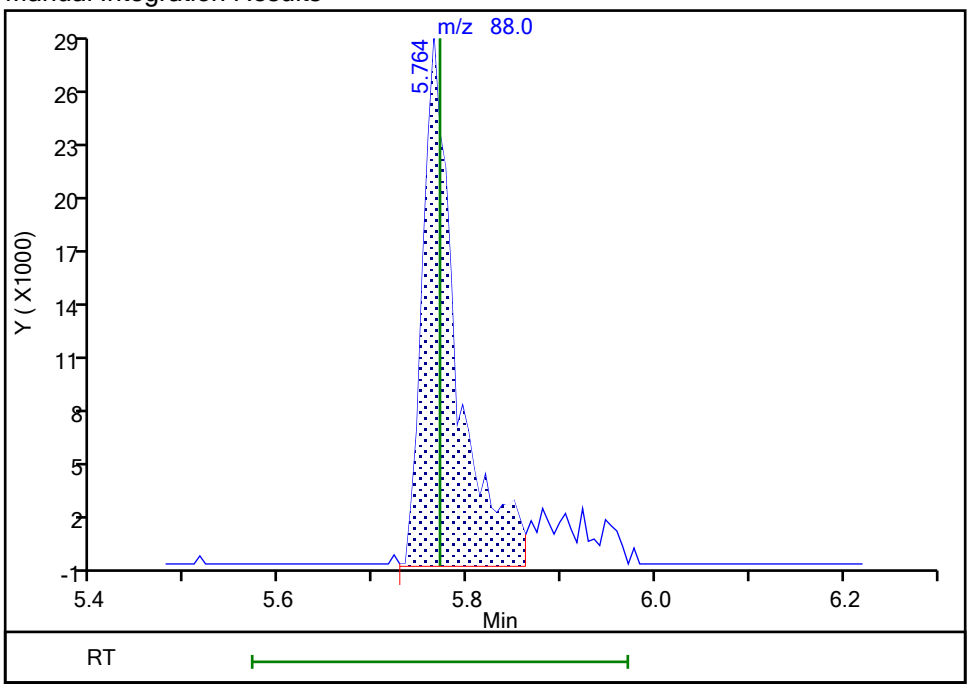
Processing Integration Results

RT: 5.76
Area: 84072
Amount: 1068.8785
Amount Units: ug/L



Manual Integration Results

RT: 5.76
Area: 72572
Amount: 964.8618
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:14:18 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5488.d
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 12-Mar-2024 18:15:30 ALS Bottle#: 19 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0116708-018
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2024 10:18:25 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: WLL8 Date: 12-Mar-2024 20:47:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.046	5.047	-0.001	97	212504	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.015	8.015	0.000	88	753446	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.443	10.443	0.000	95	426512	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.481	4.481	0.000	91	302144	25.0	21.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.779	4.779	0.000	46	410947	25.0	23.3	
$ 6 Toluene-d8 (Surr)	98	6.543	6.543	0.000	95	970819	25.0	24.5	
$ 7 4-Bromofluorobenzene (Surr)	174	9.268	9.269	-0.001	88	321891	25.0	24.5	
11 Dichlorodifluoromethane	85	1.141	1.141	0.000	98	1028987	100.0	87.8	
13 Chloromethane	50	1.287	1.287	0.000	99	1734882	100.0	83.7	
14 Vinyl chloride	62	1.372	1.372	0.000	98	1113316	100.0	95.4	
144 Butadiene	54	1.384	1.378	0.006	98	1735077	100.0	82.6	
15 Bromomethane	94	1.640	1.622	0.018	93	615958	100.0	79.8	
16 Chloroethane	64	1.707	1.701	0.005	96	711748	100.0	84.9	
18 Trichlorofluoromethane	101	1.919	1.889	0.030	97	1532735	100.0	106.3	
17 Dichlorofluoromethane	67	1.907	1.901	0.006	97	1900769	100.0	84.5	
19 Ethyl ether	59	2.163	2.157	0.006	94	1213037	100.0	85.7	
20 Acrolein	56	2.327	2.333	-0.006	99	297885	500.0	408.4	
22 1,1-Dichloroethene	96	2.364	2.358	0.006	91	828714	100.0	83.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.364	2.364	0.000	87	884989	100.0	87.0	
23 Acetone	43	2.473	2.473	0.000	97	3724195	500.0	415.9	
24 Iodomethane	142	2.510	2.510	0.000	100	1481464	100.0	84.9	
25 Carbon disulfide	76	2.546	2.540	0.006	99	2786064	100.0	89.3	
27 3-Chloro-1-propene	41	2.716	2.711	0.006	87	2759657	100.0	89.7	
28 Methyl acetate	43	2.759	2.759	0.000	100	4123122	200.0	178.9	
30 Methylene Chloride	84	2.850	2.857	-0.006	90	978007	100.0	76.7	
31 2-Methyl-2-propanol	59	3.021	3.021	0.000	98	2236373	1000.0	880.6	
32 Methyl tert-butyl ether	73	3.057	3.057	0.000	98	3490350	100.0	87.2	
33 trans-1,2-Dichloroethene	96	3.075	3.076	-0.001	91	942563	100.0	83.3	
34 Acrylonitrile	53	3.130	3.124	0.006	97	9268240	1000.0	868.9	
35 Hexane	57	3.264	3.264	0.000	95	1861737	100.0	96.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.477	3.477	0.000	98	2108527	100.0	88.4	
39 Vinyl acetate	43	3.532	3.532	0.000	96	7920290	200.0	226.2	
42 2,2-Dichloropropane	77	3.982	3.982	0.000	87	982945	100.0	77.0	
43 cis-1,2-Dichloroethene	96	4.018	4.018	0.000	85	1077334	100.0	86.8	
44 2-Butanone (MEK)	43	4.055	4.055	0.000	96	5966475	500.0	487.9	
47 Chlorobromomethane	128	4.249	4.244	0.005	86	553082	100.0	82.6	
49 Tetrahydrofuran	42	4.262	4.262	0.000	92	1700367	200.0	186.3	
50 Chloroform	83	4.329	4.329	0.000	97	1841371	100.0	87.1	
51 1,1,1-Trichloroethane	97	4.432	4.426	0.006	97	1414003	100.0	91.3	
52 Cyclohexane	56	4.438	4.438	0.000	97	2411320	100.0	94.0	
53 Carbon tetrachloride	117	4.566	4.566	0.000	96	1207524	100.0	95.6	
54 1,1-Dichloropropene	75	4.578	4.584	-0.006	85	1318753	100.0	100.2	
55 Benzene	78	4.779	4.779	0.000	95	3759592	100.0	95.3	
56 Isobutyl alcohol	43	4.821	4.822	-0.001	94	2853534	2500.0	2353.7	
57 1,2-Dichloroethane	62	4.846	4.852	-0.006	95	1718052	100.0	94.2	
59 n-Heptane	43	4.967	4.974	-0.007	96	2111068	100.0	97.3	
60 Trichloroethene	95	5.381	5.387	-0.006	94	942331	100.0	96.7	
62 Methylcyclohexane	83	5.497	5.497	0.000	95	1696745	100.0	96.1	
63 1,2-Dichloropropane	63	5.618	5.618	0.000	87	1020493	100.0	99.8	
64 Dibromomethane	93	5.758	5.758	0.000	95	622347	100.0	100.3	
66 1,4-Dioxane	88	5.764	5.771	-0.007	95	159778	2000.0	1822.9	M
67 Dichlorobromomethane	83	5.910	5.910	0.000	96	1262680	100.0	103.3	
69 2-Chloroethyl vinyl ether	63	6.196	6.190	0.006	86	685918	100.0	109.6	
71 cis-1,3-Dichloropropene	75	6.324	6.324	0.000	86	1409360	100.0	112.4	
72 4-Methyl-2-pentanone (MIBK)	58	6.476	6.476	0.000	97	3840229	500.0	494.9	
73 Toluene	92	6.610	6.610	0.000	97	2169036	100.0	101.9	
75 trans-1,3-Dichloropropene	75	6.896	6.896	0.000	93	1292271	100.0	122.6	
77 Ethyl methacrylate	69	6.951	6.951	0.000	88	1258863	100.0	107.6	
78 1,1,2-Trichloroethane	83	7.078	7.079	0.000	95	653355	100.0	99.0	
79 Tetrachloroethene	166	7.133	7.133	0.000	95	935160	100.0	102.0	
80 1,3-Dichloropropane	76	7.236	7.237	-0.001	91	1350664	100.0	103.8	
82 2-Hexanone	43	7.316	7.310	0.006	97	8467209	500.0	511.9	
83 Chlorodibromomethane	129	7.468	7.468	0.000	90	944800	100.0	113.3	
84 Ethylene Dibromide	107	7.565	7.565	0.000	97	908747	100.0	102.6	
85 Chlorobenzene	112	8.040	8.040	0.000	92	2528150	100.0	99.4	
88 Ethylbenzene	91	8.137	8.137	0.000	98	4322435	100.0	100.9	
89 1,1,1,2-Tetrachloroethane	131	8.143	8.143	0.000	94	933621	100.0	96.4	
90 m-Xylene & p-Xylene	106	8.265	8.259	0.006	98	1721288	100.0	105.3	
91 o-Xylene	106	8.684	8.685	-0.001	98	1766182	100.0	100.3	
92 Styrene	104	8.715	8.715	0.000	94	2844210	100.0	108.4	
93 Bromoform	173	8.958	8.952	0.006	96	704694	100.0	114.4	
95 Isopropylbenzene	105	9.074	9.068	0.006	96	4696818	100.0	107.1	
97 Bromobenzene	156	9.420	9.421	-0.001	92	1125553	100.0	107.8	
98 1,1,2,2-Tetrachloroethane	83	9.493	9.494	-0.001	93	1410117	100.0	102.6	
100 N-Propylbenzene	91	9.518	9.512	0.006	99	5456280	100.0	107.1	
99 1,2,3-Trichloropropane	110	9.524	9.524	0.000	92	476527	100.0	99.7	
101 trans-1,4-Dichloro-2-butene	53	9.542	9.542	0.000	87	712365	100.0	122.6	
102 2-Chlorotoluene	126	9.615	9.609	0.006	95	1062215	100.0	101.1	
104 1,3,5-Trimethylbenzene	105	9.706	9.701	0.005	93	3967814	100.0	102.9	
105 4-Chlorotoluene	91	9.731	9.731	0.000	98	3674278	100.0	106.0	
106 tert-Butylbenzene	134	10.029	10.029	0.000	96	824736	100.0	109.3	
108 1,2,4-Trimethylbenzene	105	10.084	10.084	0.000	98	4103388	100.0	103.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.242	10.242	0.000	95	5015257	100.0	105.4	
110 1,3-Dichlorobenzene	146	10.376	10.376	0.000	97	2144261	100.0	98.5	
111 4-Isopropyltoluene	119	10.394	10.388	0.006	98	4350314	100.0	102.1	
113 1,4-Dichlorobenzene	146	10.467	10.467	0.000	94	2184310	100.0	100.6	
115 n-Butylbenzene	91	10.783	10.783	0.000	99	3717014	100.0	102.2	
116 1,2-Dichlorobenzene	146	10.820	10.820	0.000	96	2073383	100.0	96.1	
117 1,2-Dibromo-3-Chloropropane	75	11.568	11.568	0.000	80	332381	100.0	102.1	
119 1,2,4-Trichlorobenzene	180	12.243	12.250	-0.007	94	1440333	100.0	99.8	
120 Hexachlorobutadiene	225	12.365	12.359	0.006	97	582586	100.0	79.9	
121 Naphthalene	128	12.456	12.456	0.000	97	4849711	100.0	101.1	
122 1,2,3-Trichlorobenzene	180	12.663	12.663	0.000	95	1368323	100.0	95.9	
S 124 1,2-Dichloroethene, Total	1				0			170.1	
S 126 Xylenes, Total	1				0			205.6	
S 123 1,3-Dichloropropene, Total	1				0			235.0	
S 125 Total BTEX	1				0			503.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00251	Amount Added:	50.00	Units: uL	
GAS CORP mix_00611	Amount Added:	50.00	Units: uL	
N_8260_Surr_00468	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00266	Amount Added:	1.00	Units: uL	Run Reagent

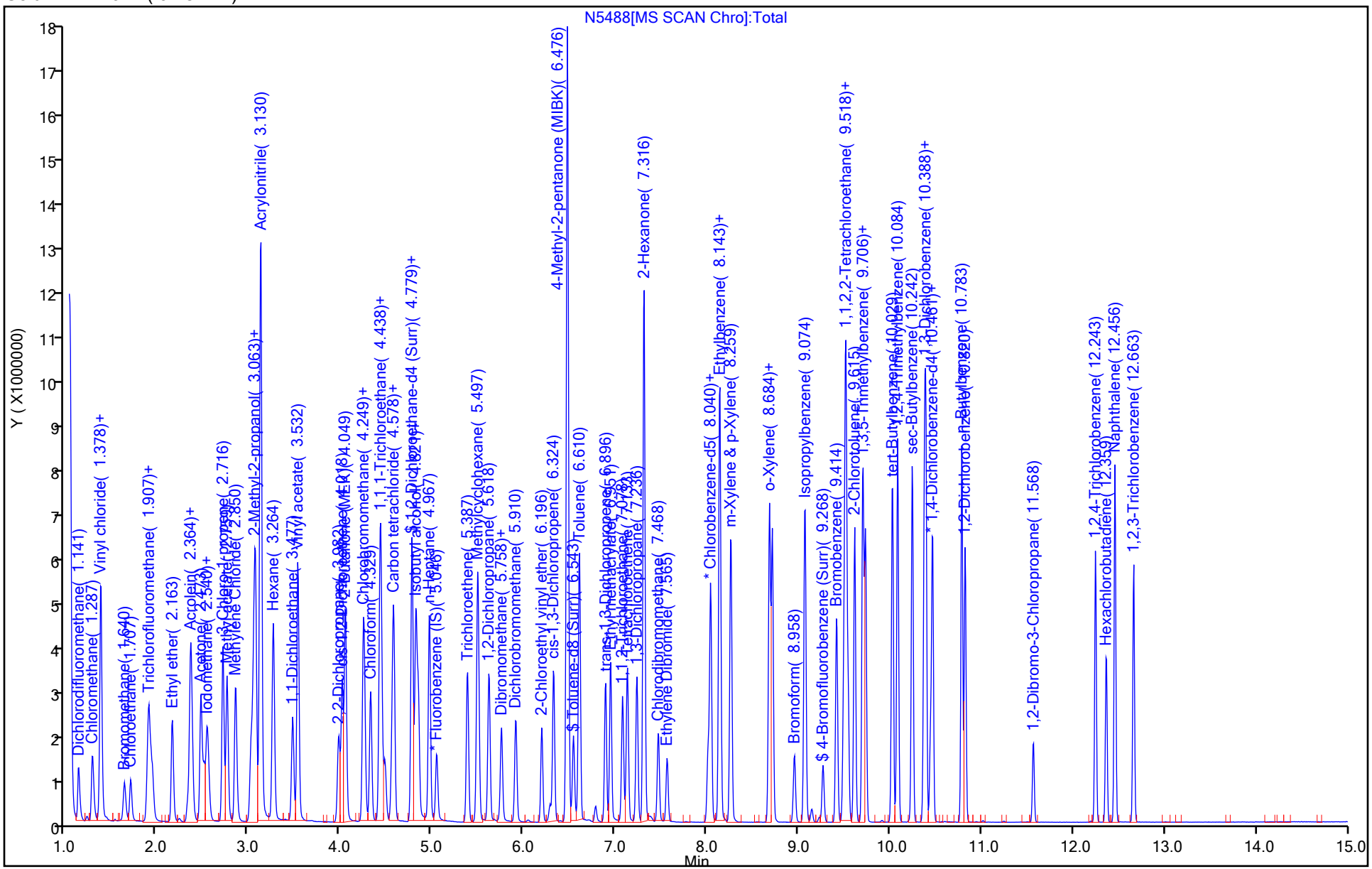
Report Date: 13-Mar-2024 10:18:26 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5488.d

Injection Date:	12-Mar-2024 18:15:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 7			Worklist Smp#:	18
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

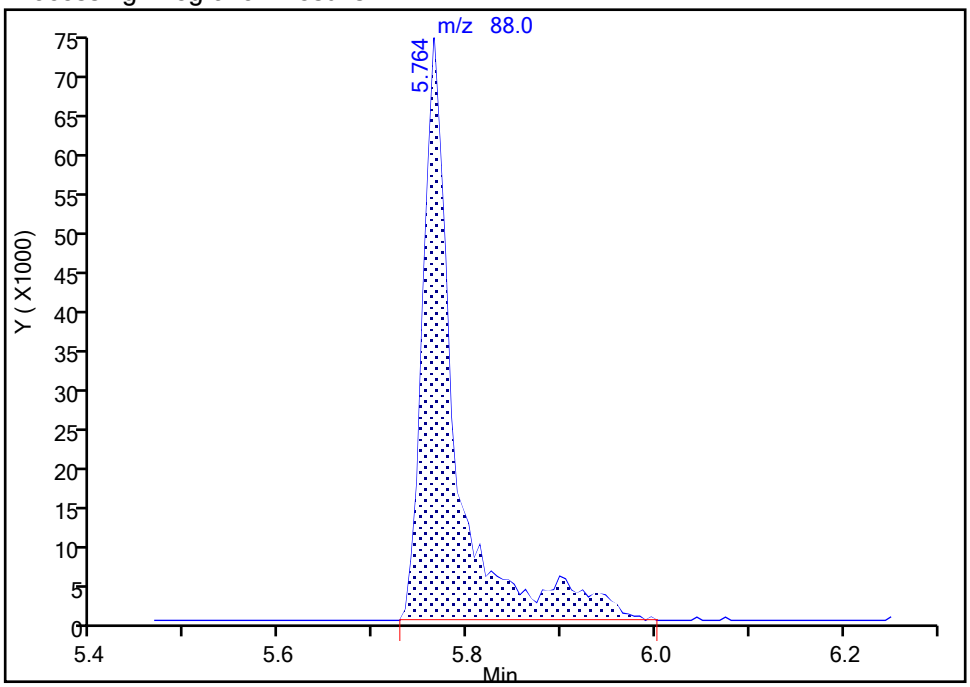
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5488.d
Injection Date: 12-Mar-2024 18:15:30 Instrument ID: HP5973N
Lims ID: IC 7
Client ID:
Operator ID: LH ALS Bottle#: 19 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

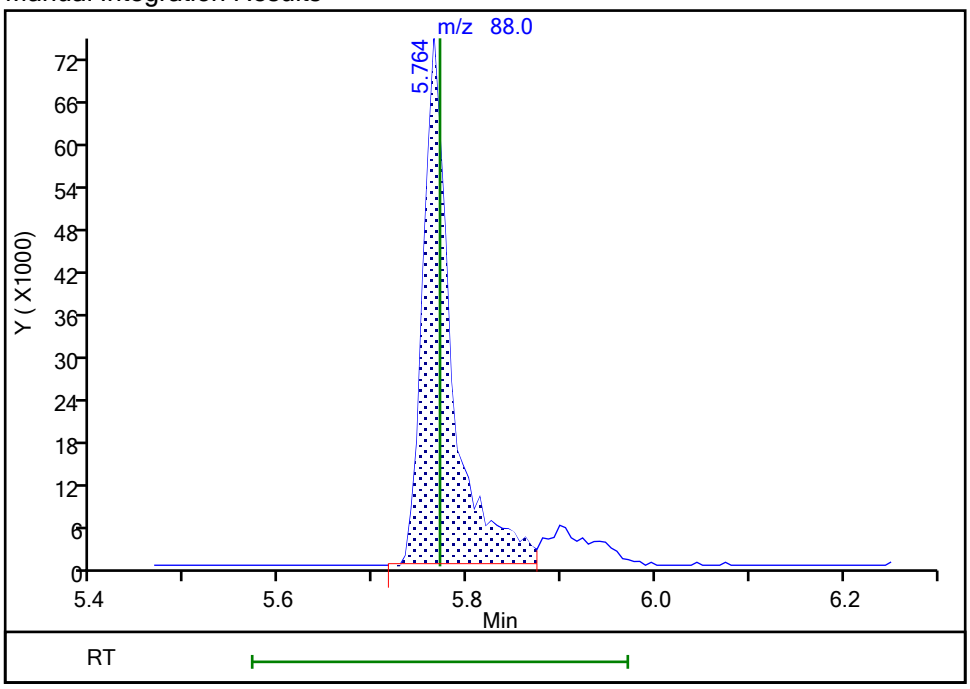
Processing Integration Results

RT: 5.76
Area: 181073
Amount: 2024.8680
Amount Units: ug/L



Manual Integration Results

RT: 5.76
Area: 159778
Amount: 1822.9090
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:14:39 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Calibration / Dichlorodifluoromethane

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

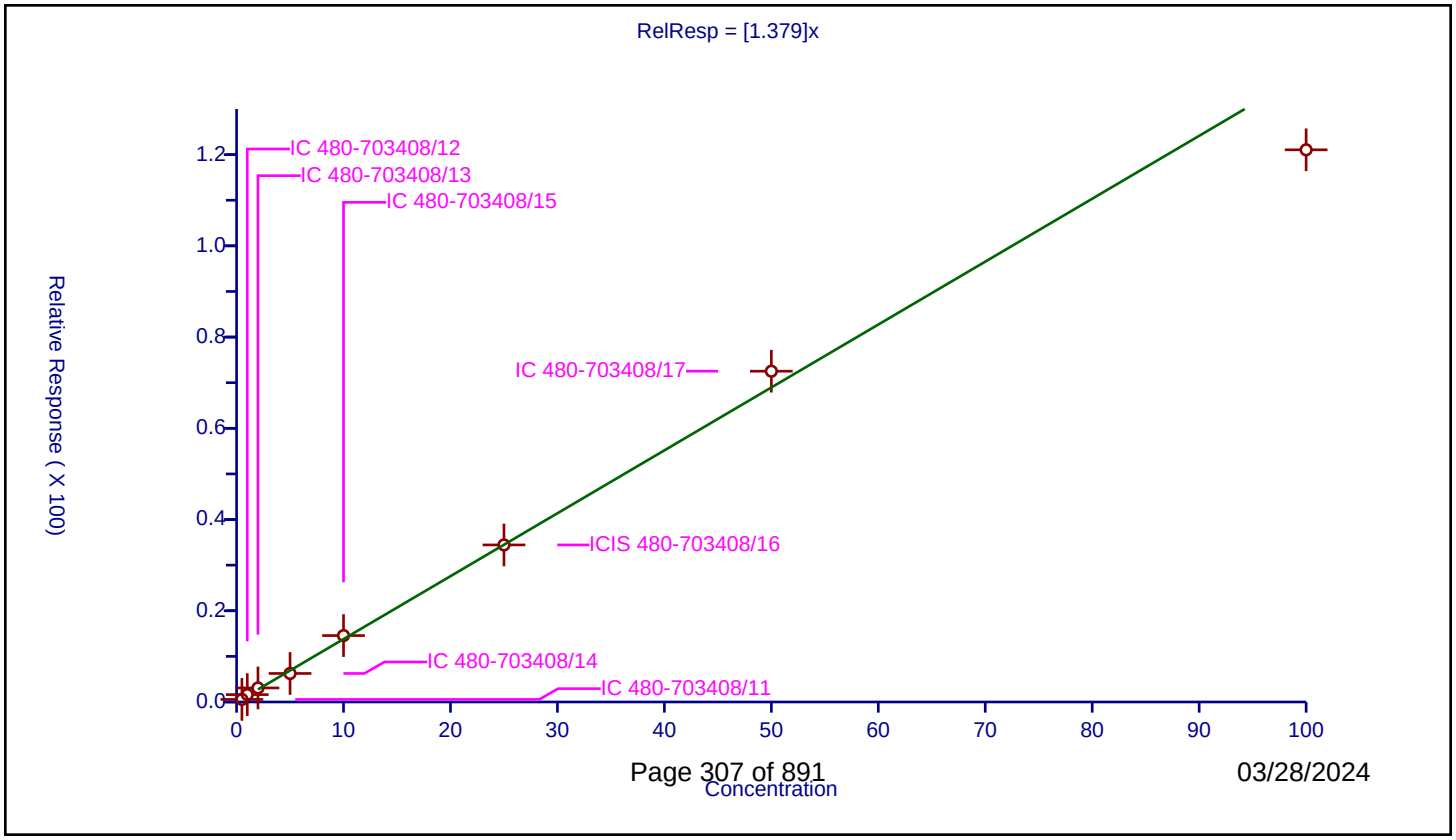
Curve Coefficients

Intercept:	0
Slope:	1.379

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.565936	25.0	166759.0	1.131873	Y
2	IC 480-703408/12	1.0	1.616851	25.0	164038.0	1.616851	Y
3	IC 480-703408/13	2.0	3.079934	25.0	159281.0	1.539967	Y
4	IC 480-703408/14	5.0	6.250889	25.0	168656.0	1.250178	Y
5	IC 480-703408/15	10.0	14.558162	25.0	172156.0	1.455816	Y
6	ICIS 480-703408/16	25.0	34.430083	25.0	184325.0	1.377203	Y
7	IC 480-703408/17	50.0	72.518726	25.0	181429.0	1.450375	Y
8	IC 480-703408/18	100.0	121.055015	25.0	212504.0	1.21055	Y



Calibration / Chloromethane

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

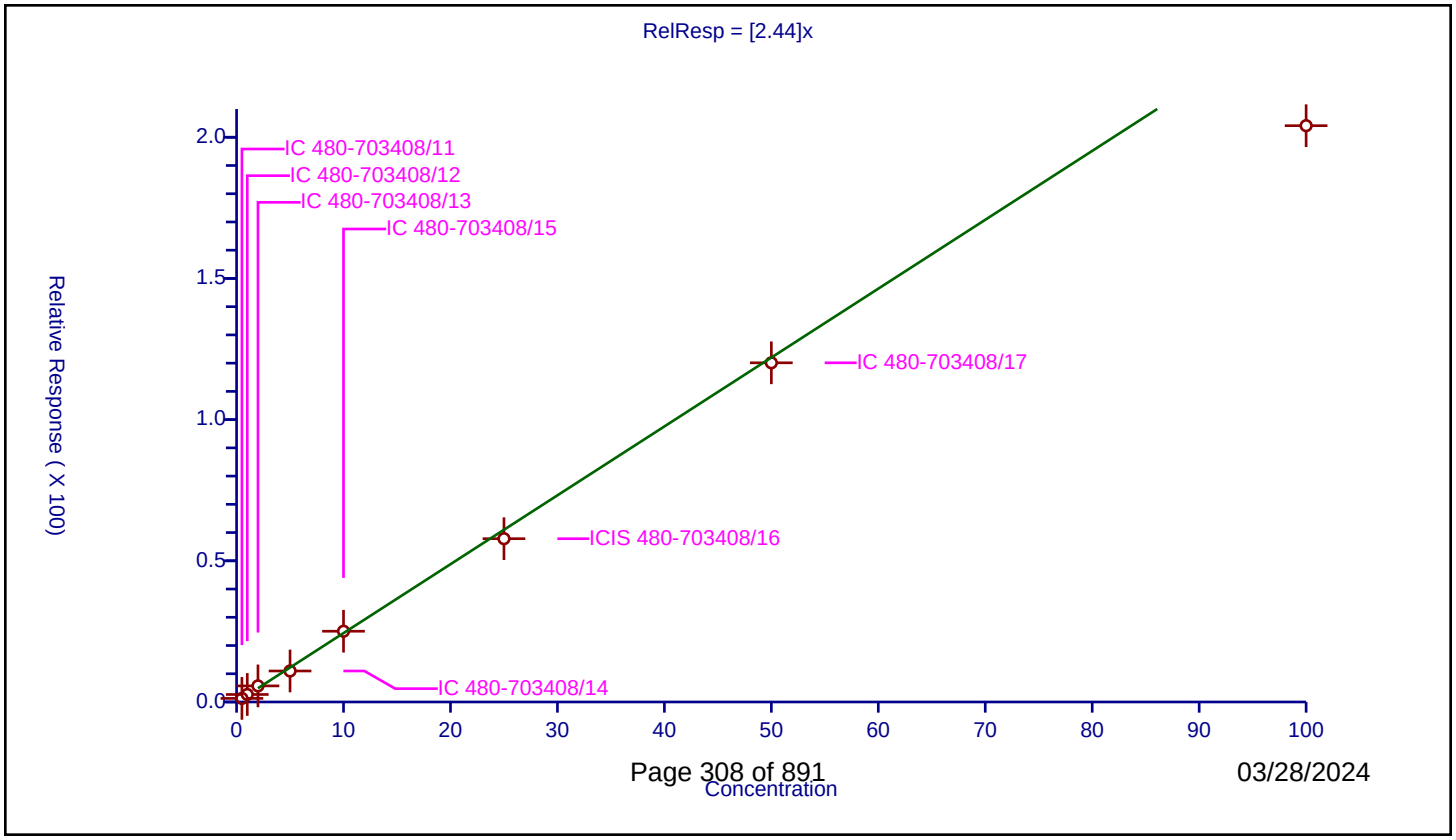
Curve Coefficients

Intercept:	0
Slope:	2.44

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	1.273395	25.0	166759.0	2.546789	Y
2	IC 480-703408/12	1.0	2.660207	25.0	164038.0	2.660207	Y
3	IC 480-703408/13	2.0	5.702344	25.0	159281.0	2.851172	Y
4	IC 480-703408/14	5.0	10.98108	25.0	168656.0	2.196216	Y
5	IC 480-703408/15	10.0	25.055909	25.0	172156.0	2.505591	Y
6	ICIS 480-703408/16	25.0	57.827343	25.0	184325.0	2.313094	Y
7	IC 480-703408/17	50.0	120.126468	25.0	181429.0	2.402529	Y
8	IC 480-703408/18	100.0	204.099923	25.0	212504.0	2.040999	Y



Calibration / Vinyl chloride

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

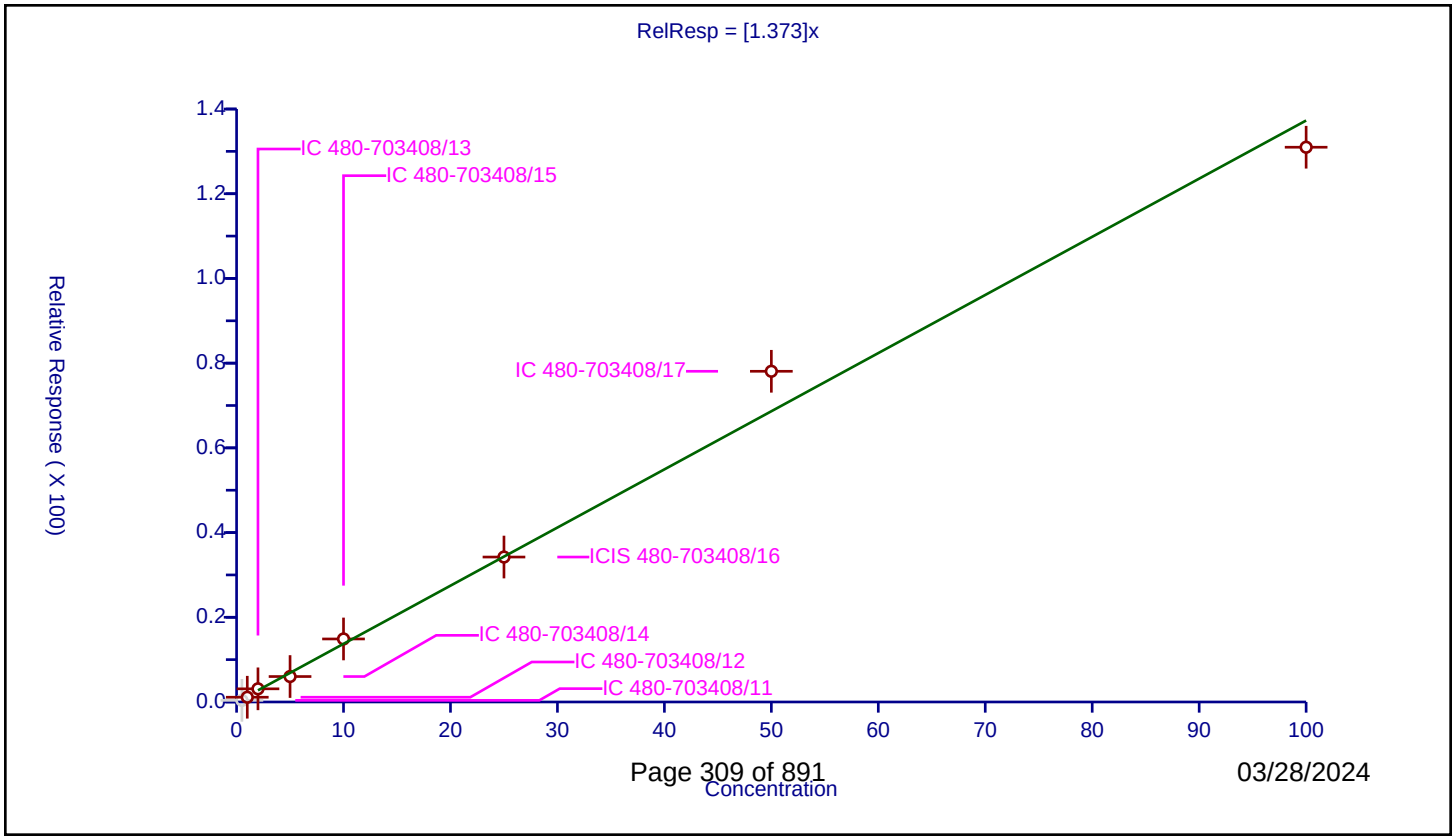
Curve Coefficients

Intercept:	0
Slope:	1.373

Error Coefficients

Relative Standard Deviation:	12.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.389784	25.0	166759.0	0.779568	N
2	IC 480-703408/12	1.0	1.124739	25.0	164038.0	1.124739	Y
3	IC 480-703408/13	2.0	3.108814	25.0	159281.0	1.554407	Y
4	IC 480-703408/14	5.0	6.012534	25.0	168656.0	1.202507	Y
5	IC 480-703408/15	10.0	14.882287	25.0	172156.0	1.488229	Y
6	ICIS 480-703408/16	25.0	34.222569	25.0	184325.0	1.368903	Y
7	IC 480-703408/17	50.0	78.078477	25.0	181429.0	1.56157	Y
8	IC 480-703408/18	100.0	130.975888	25.0	212504.0	1.309759	Y



Calibration / Butadiene

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

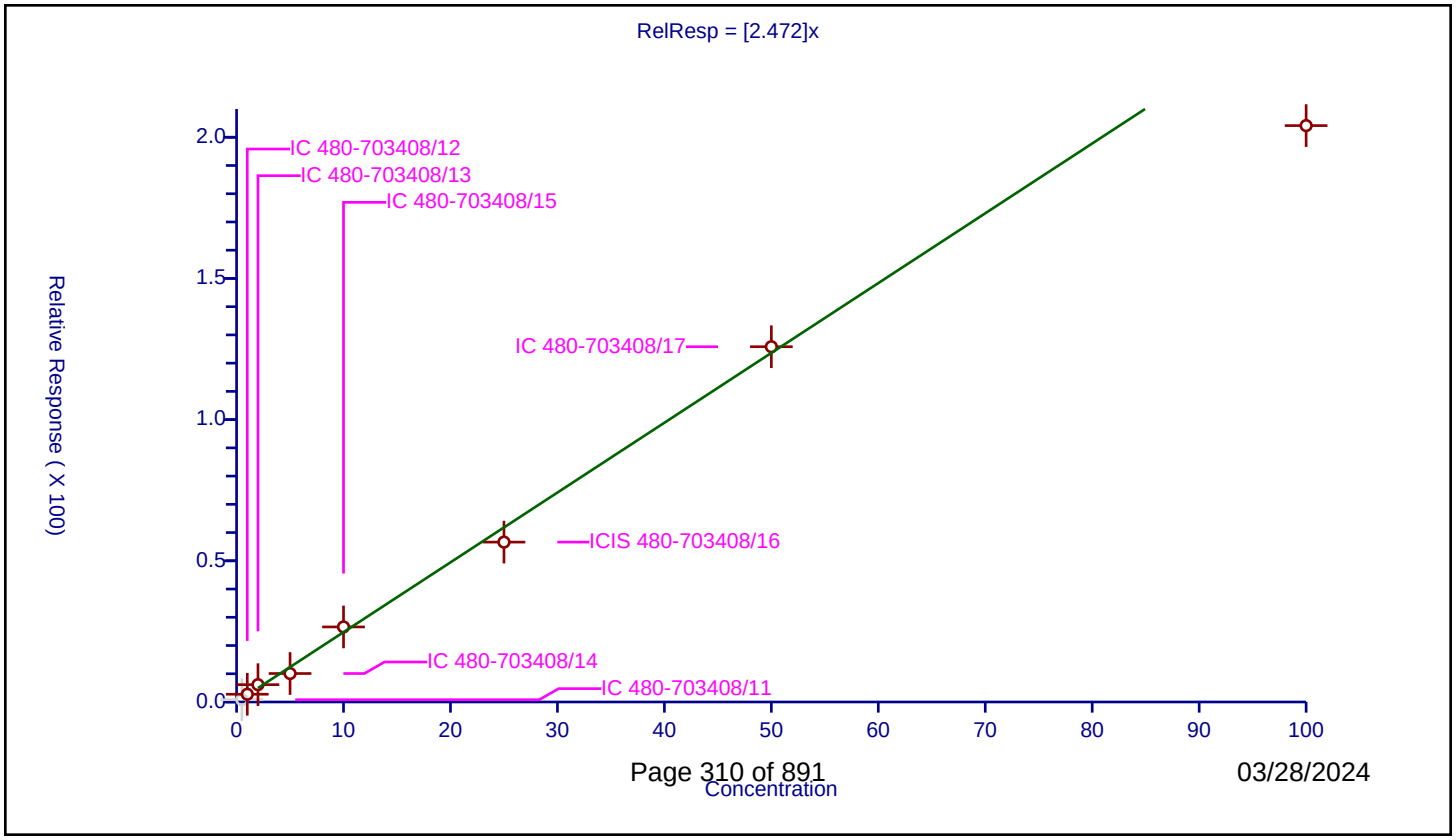
Curve Coefficients

Intercept:	0
Slope:	2.472

Error Coefficients

Relative Standard Deviation:	15.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.806853	25.0	166759.0	1.613706	N
2	IC 480-703408/12	1.0	2.74281	25.0	164038.0	2.74281	Y
3	IC 480-703408/13	2.0	6.136168	25.0	159281.0	3.068084	Y
4	IC 480-703408/14	5.0	10.079244	25.0	168656.0	2.015849	Y
5	IC 480-703408/15	10.0	26.575461	25.0	172156.0	2.657546	Y
6	ICIS 480-703408/16	25.0	56.618337	25.0	184325.0	2.264733	Y
7	IC 480-703408/17	50.0	125.813817	25.0	181429.0	2.516276	Y
8	IC 480-703408/18	100.0	204.122864	25.0	212504.0	2.041229	Y



Calibration / Bromomethane

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

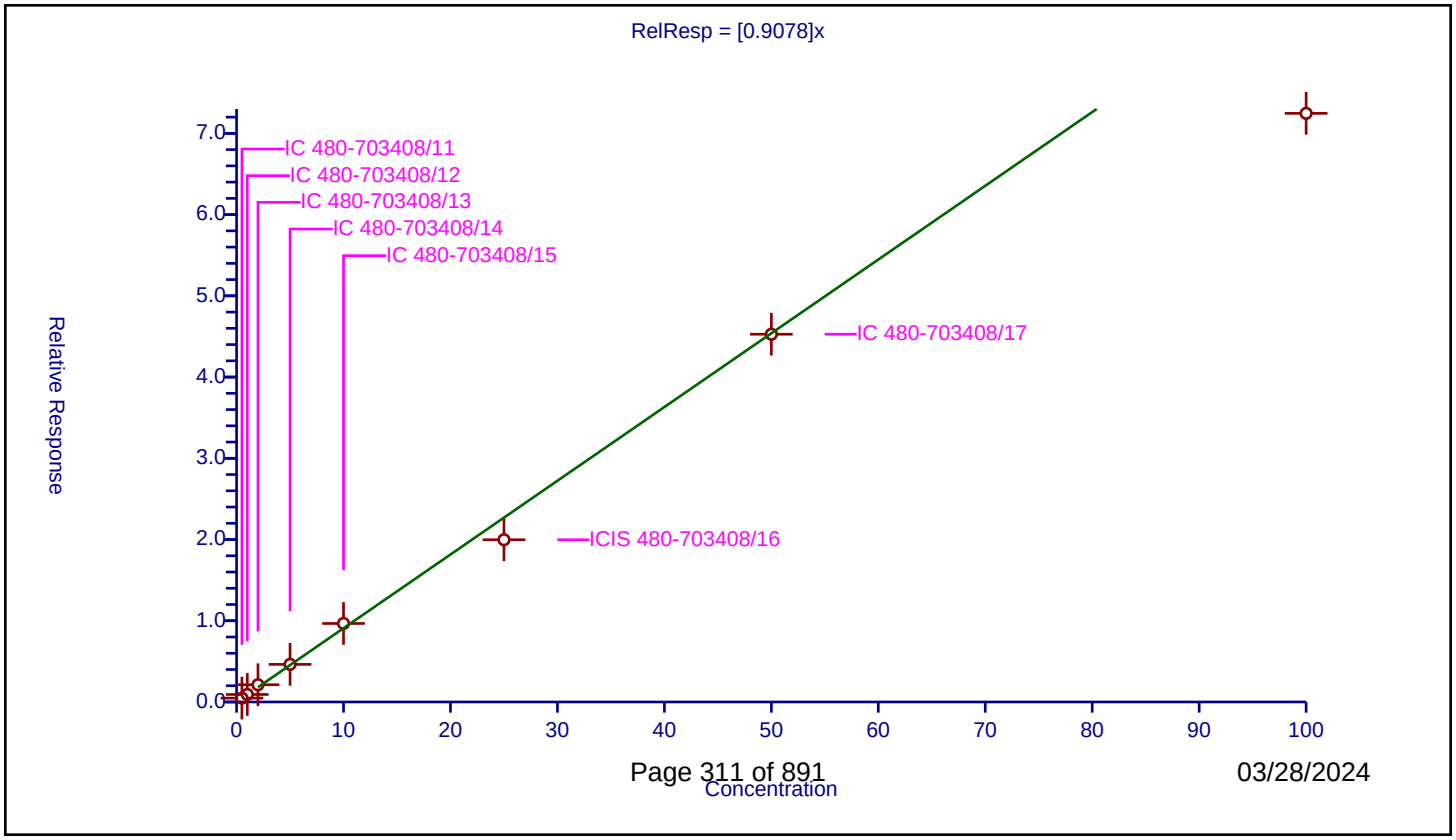
Curve Coefficients

Intercept:	0
Slope:	0.9078

Error Coefficients

Relative Standard Deviation:	11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.477485	25.0	166759.0	0.954971	Y
2	IC 480-703408/12	1.0	0.924481	25.0	164038.0	0.924481	Y
3	IC 480-703408/13	2.0	2.122193	25.0	159281.0	1.061096	Y
4	IC 480-703408/14	5.0	4.630431	25.0	168656.0	0.926086	Y
5	IC 480-703408/15	10.0	9.664926	25.0	172156.0	0.966493	Y
6	ICIS 480-703408/16	25.0	19.975587	25.0	184325.0	0.799023	Y
7	IC 480-703408/17	50.0	45.27322	25.0	181429.0	0.905464	Y
8	IC 480-703408/18	100.0	72.464283	25.0	212504.0	0.724643	Y



Calibration / Chloroethane

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

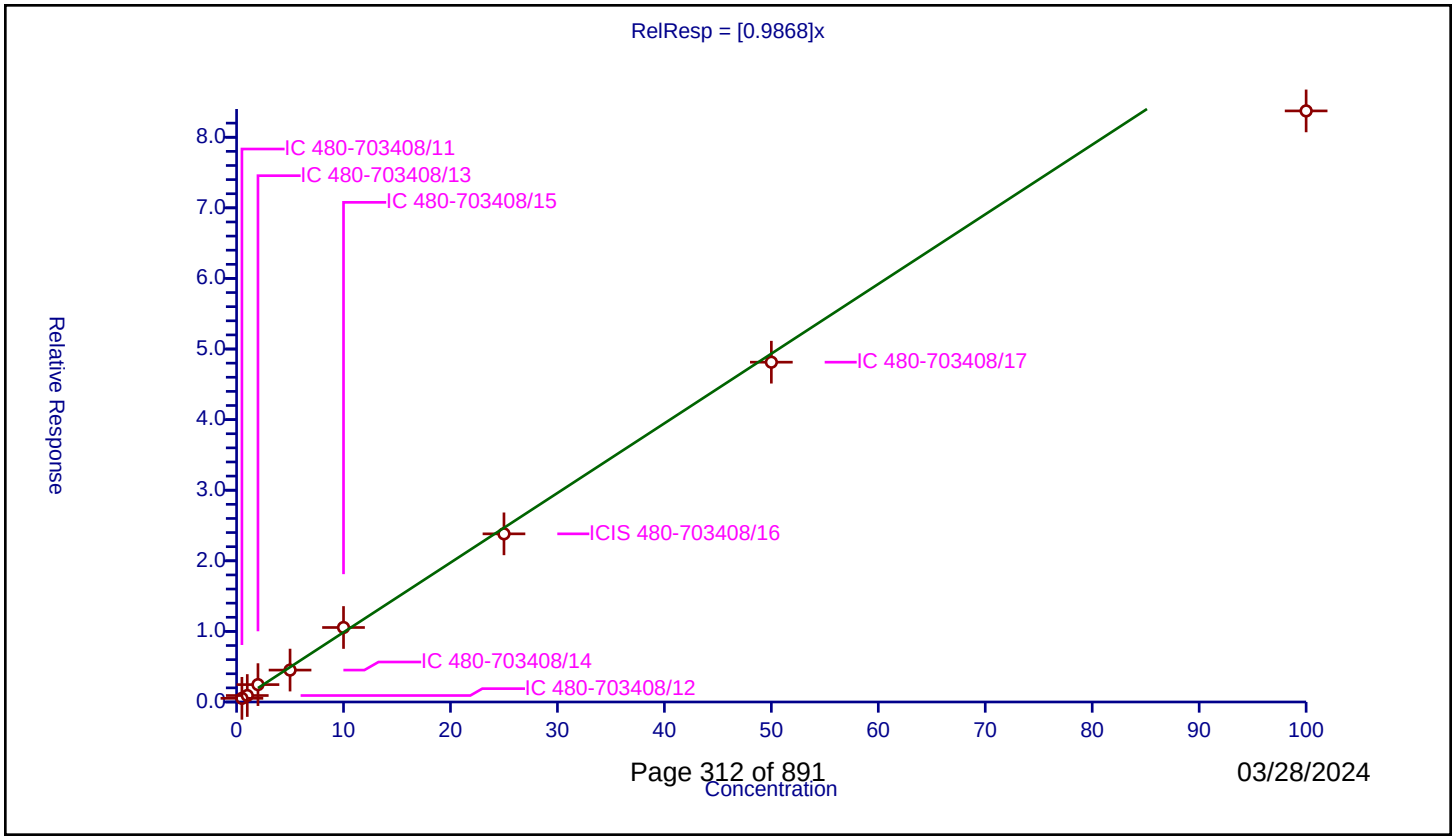
Curve Coefficients

Intercept:	0
Slope:	0.9868

Error Coefficients

Relative Standard Deviation:	12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.518263	25.0	166759.0	1.036526	Y
2	IC 480-703408/12	1.0	0.915337	25.0	164038.0	0.915337	Y
3	IC 480-703408/13	2.0	2.461373	25.0	159281.0	1.230687	Y
4	IC 480-703408/14	5.0	4.519851	25.0	168656.0	0.90397	Y
5	IC 480-703408/15	10.0	10.551912	25.0	172156.0	1.055191	Y
6	ICIS 480-703408/16	25.0	23.819748	25.0	184325.0	0.95279	Y
7	IC 480-703408/17	50.0	48.135634	25.0	181429.0	0.962713	Y
8	IC 480-703408/18	100.0	83.733483	25.0	212504.0	0.837335	Y



Calibration / Trichlorofluoromethane

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

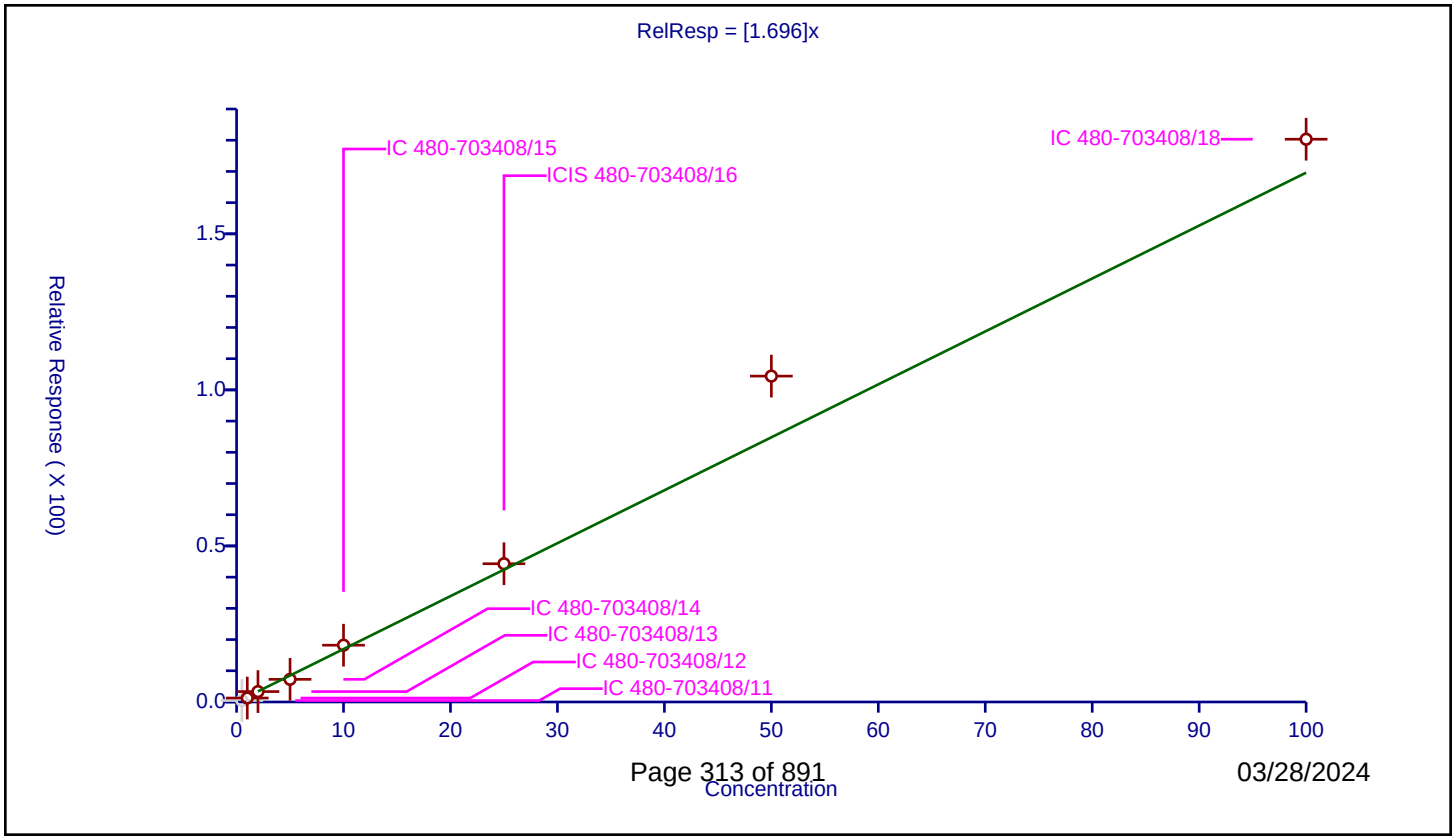
Curve Coefficients

Intercept:	0
Slope:	1.696

Error Coefficients

Relative Standard Deviation:	15.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.466542	25.0	166759.0	0.933083	N
2	IC 480-703408/12	1.0	1.268761	25.0	164038.0	1.268761	Y
3	IC 480-703408/13	2.0	3.33687	25.0	159281.0	1.668435	Y
4	IC 480-703408/14	5.0	7.257821	25.0	168656.0	1.451564	Y
5	IC 480-703408/15	10.0	18.199337	25.0	172156.0	1.819934	Y
6	ICIS 480-703408/16	25.0	44.301505	25.0	184325.0	1.77206	Y
7	IC 480-703408/17	50.0	104.418119	25.0	181429.0	2.088362	Y
8	IC 480-703408/18	100.0	180.31837	25.0	212504.0	1.803184	Y



Calibration / Dichlorofluoromethane

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

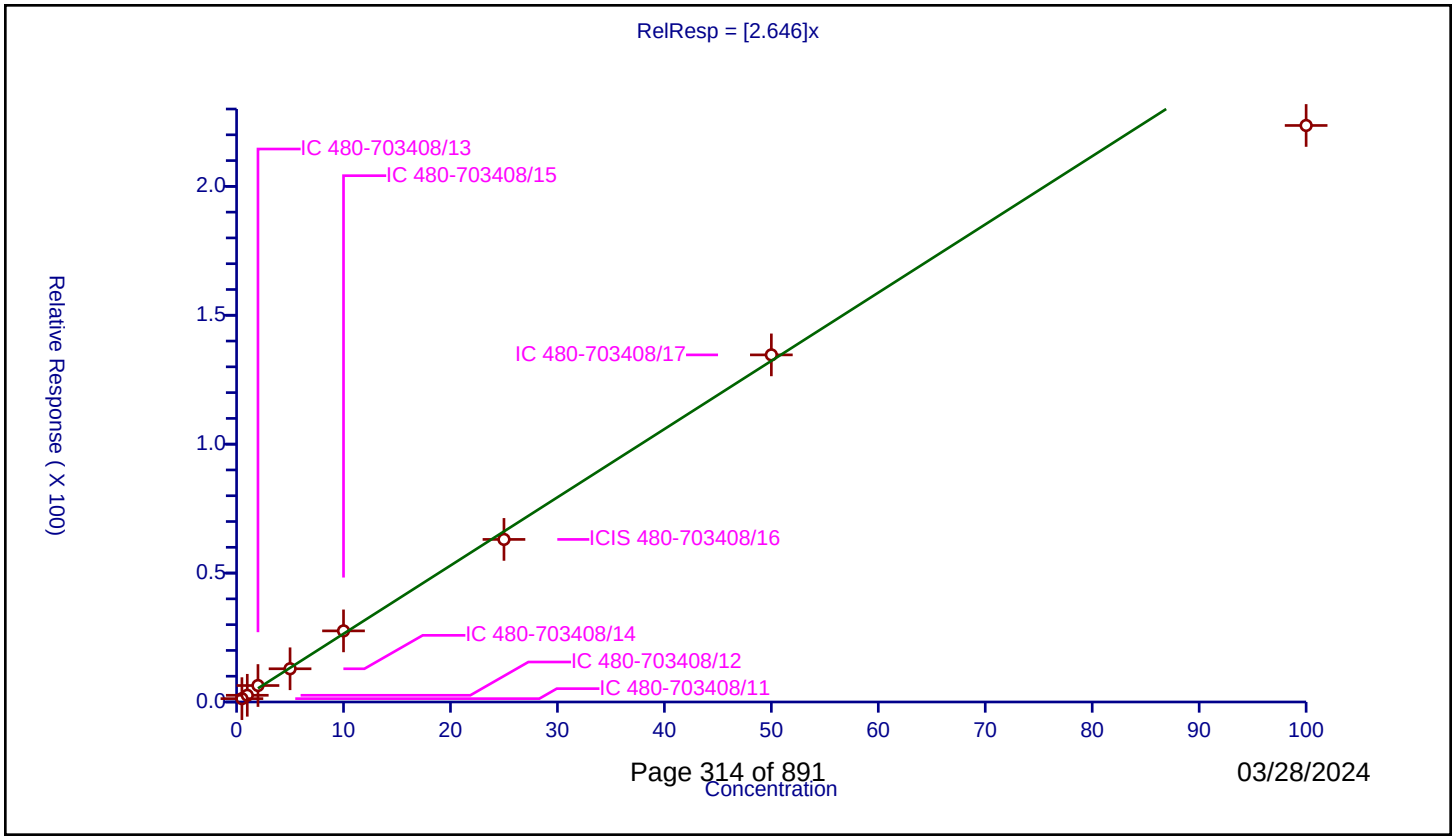
Curve Coefficients

Intercept:	0
Slope:	2.646

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	1.295882	25.0	166759.0	2.591764	Y
2	IC 480-703408/12	1.0	2.600312	25.0	164038.0	2.600312	Y
3	IC 480-703408/13	2.0	6.382117	25.0	159281.0	3.191059	Y
4	IC 480-703408/14	5.0	12.883176	25.0	168656.0	2.576635	Y
5	IC 480-703408/15	10.0	27.585591	25.0	172156.0	2.758559	Y
6	ICIS 480-703408/16	25.0	63.057643	25.0	184325.0	2.522306	Y
7	IC 480-703408/17	50.0	134.638206	25.0	181429.0	2.692764	Y
8	IC 480-703408/18	100.0	223.615673	25.0	212504.0	2.236157	Y



Calibration / Ethyl ether

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

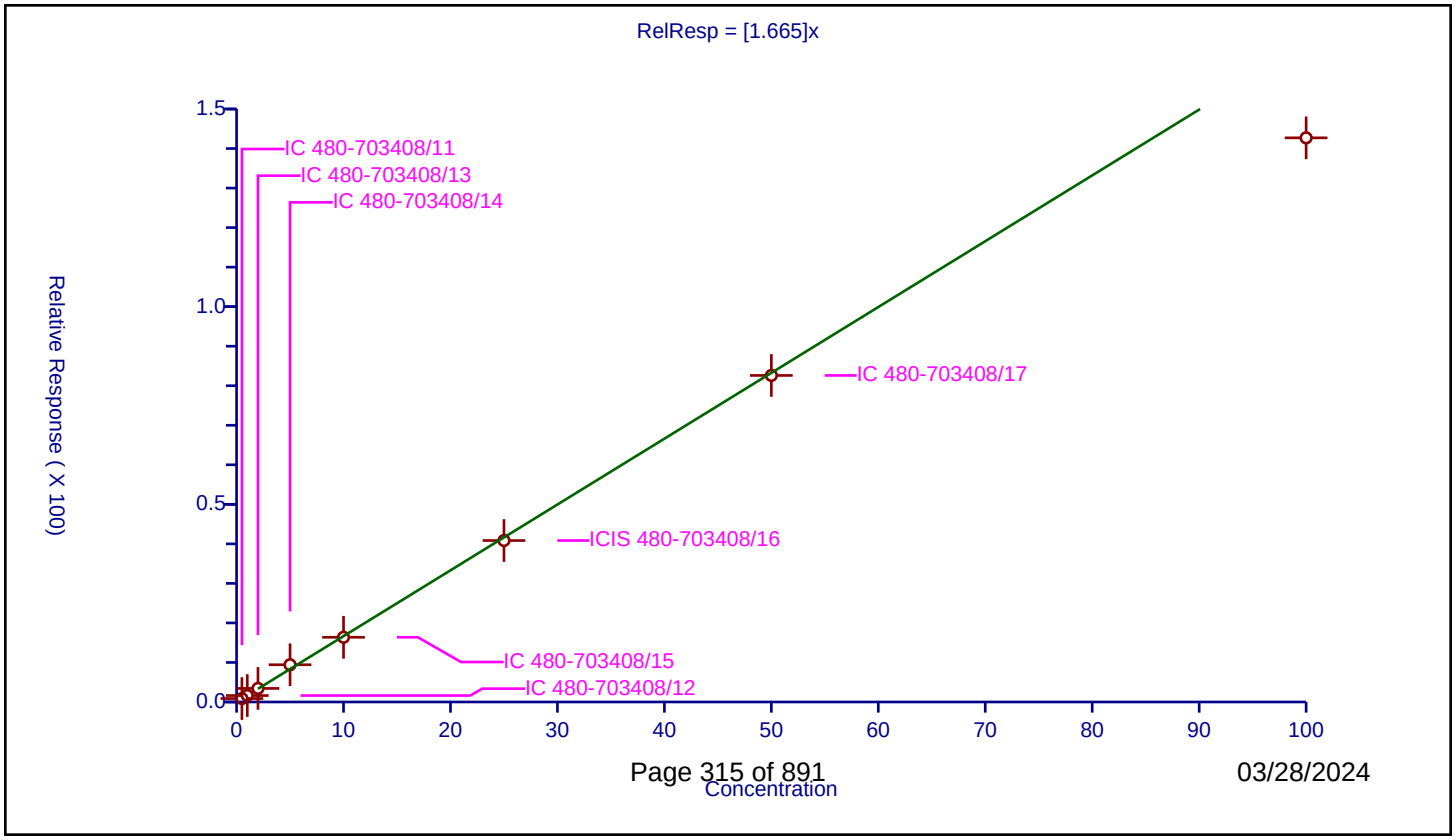
Curve Coefficients

Intercept:	0
Slope:	1.665

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.872067	25.0	166759.0	1.744134	Y
2	IC 480-703408/12	1.0	1.627062	25.0	164038.0	1.627062	Y
3	IC 480-703408/13	2.0	3.431828	25.0	159281.0	1.715914	Y
4	IC 480-703408/14	5.0	9.418135	25.0	168656.0	1.883627	Y
5	IC 480-703408/15	10.0	16.369165	25.0	172156.0	1.636917	Y
6	ICIS 480-703408/16	25.0	40.841855	25.0	184325.0	1.633674	Y
7	IC 480-703408/17	50.0	82.607108	25.0	181429.0	1.652142	Y
8	IC 480-703408/18	100.0	142.707549	25.0	212504.0	1.427075	Y



Calibration / Acrolein

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

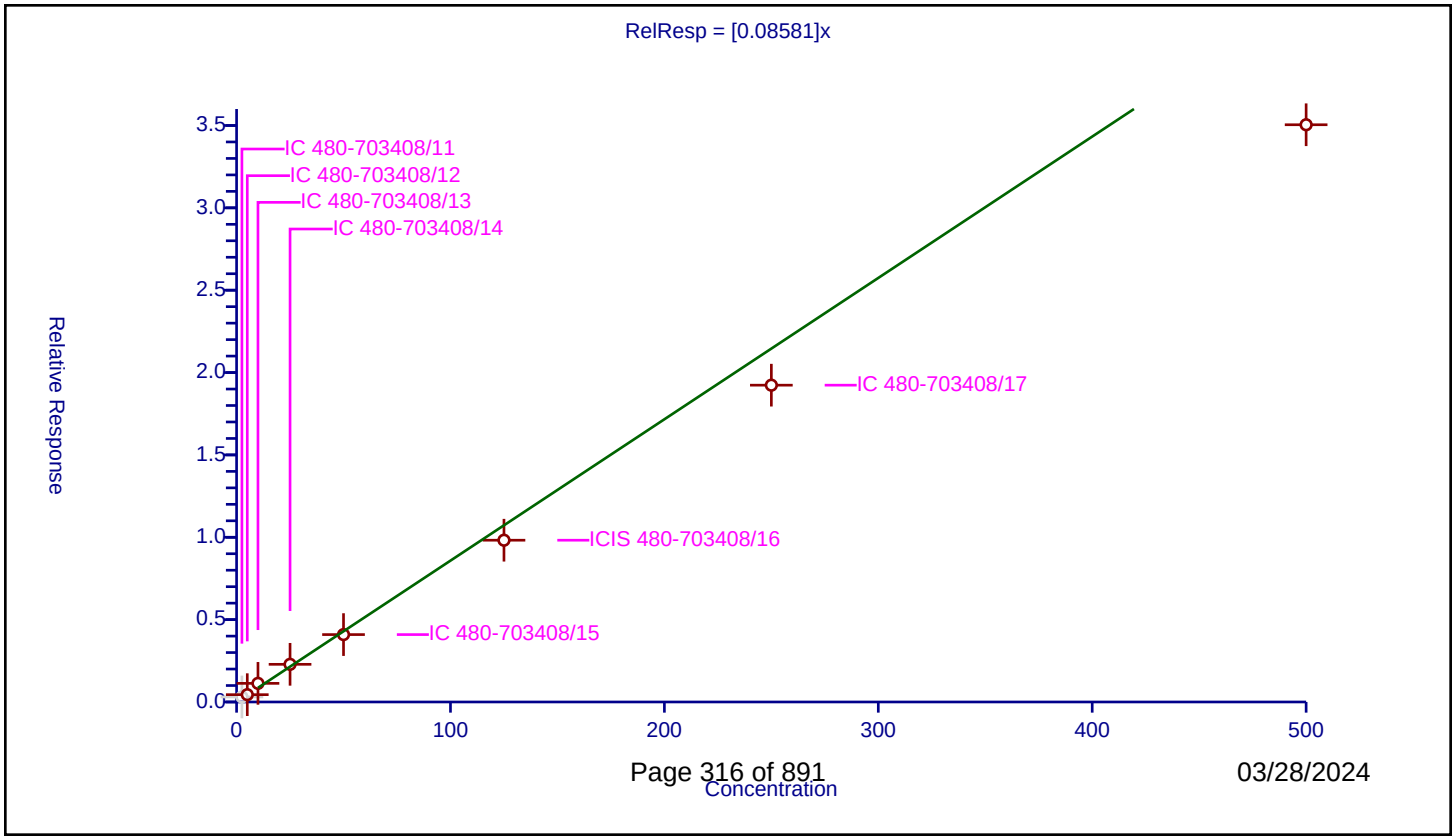
Curve Coefficients

Intercept:	0
Slope:	0.08581

Error Coefficients

Relative Standard Deviation:	16.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	2.5	0.304631	25.0	166759.0	0.121852	N
2	IC 480-703408/12	5.0	0.4438	25.0	164038.0	0.08876	Y
3	IC 480-703408/13	10.0	1.130549	25.0	159281.0	0.113055	Y
4	IC 480-703408/14	25.0	2.286162	25.0	168656.0	0.091446	Y
5	IC 480-703408/15	50.0	4.092364	25.0	172156.0	0.081847	Y
6	ICIS 480-703408/16	125.0	9.821375	25.0	184325.0	0.078571	Y
7	IC 480-703408/17	250.0	19.23397	25.0	181429.0	0.076936	Y
8	IC 480-703408/18	500.0	35.044634	25.0	212504.0	0.070089	Y



Calibration / 1,1-Dichloroethene

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

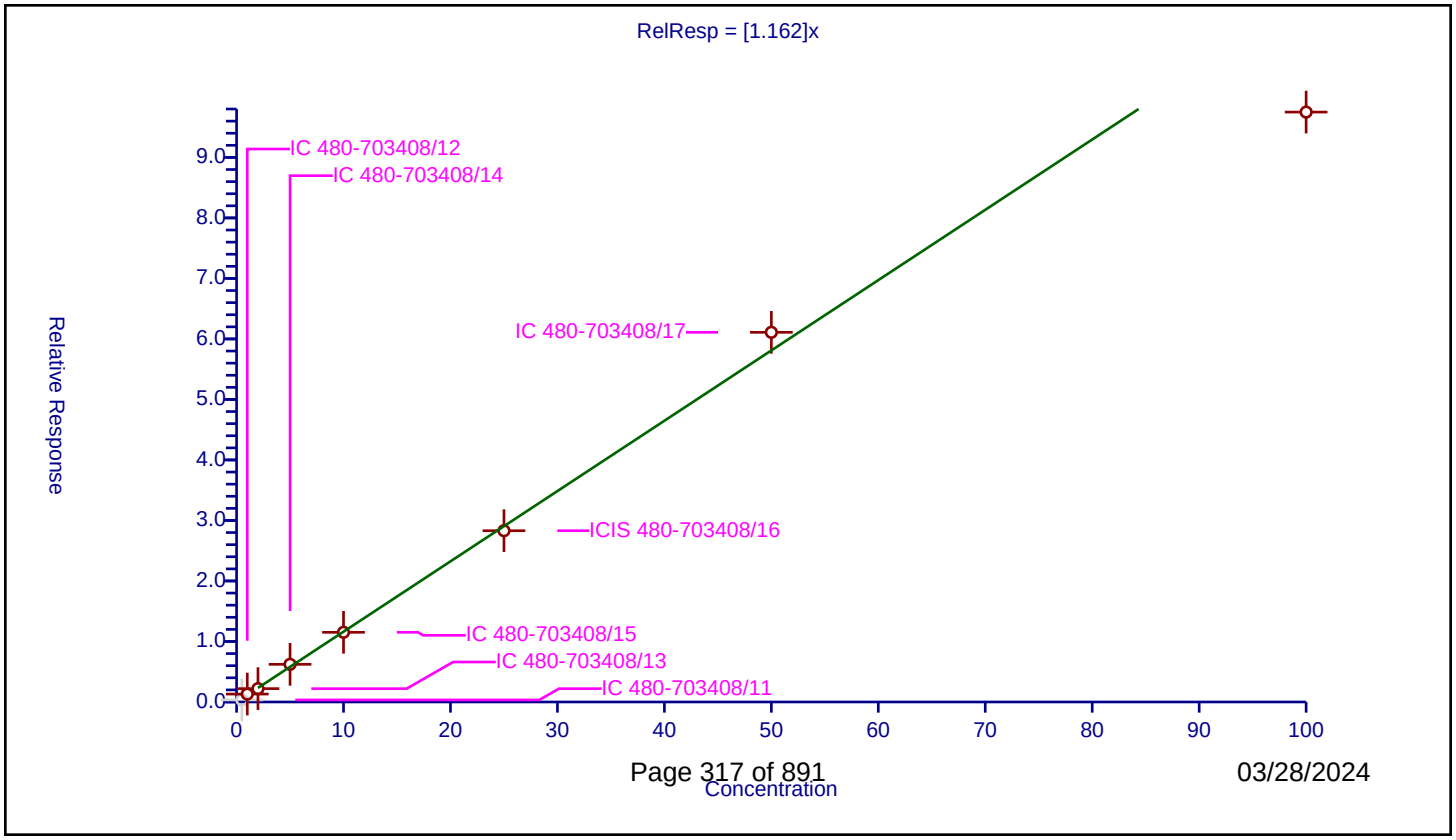
Curve Coefficients

Intercept:	0
Slope:	1.162

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.340611	25.0	166759.0	0.681223	N
2	IC 480-703408/12	1.0	1.304576	25.0	164038.0	1.304576	Y
3	IC 480-703408/13	2.0	2.206321	25.0	159281.0	1.10316	Y
4	IC 480-703408/14	5.0	6.227024	25.0	168656.0	1.245405	Y
5	IC 480-703408/15	10.0	11.51688	25.0	172156.0	1.151688	Y
6	ICIS 480-703408/16	25.0	28.303811	25.0	184325.0	1.132152	Y
7	IC 480-703408/17	50.0	61.093182	25.0	181429.0	1.221864	Y
8	IC 480-703408/18	100.0	97.49393	25.0	212504.0	0.974939	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

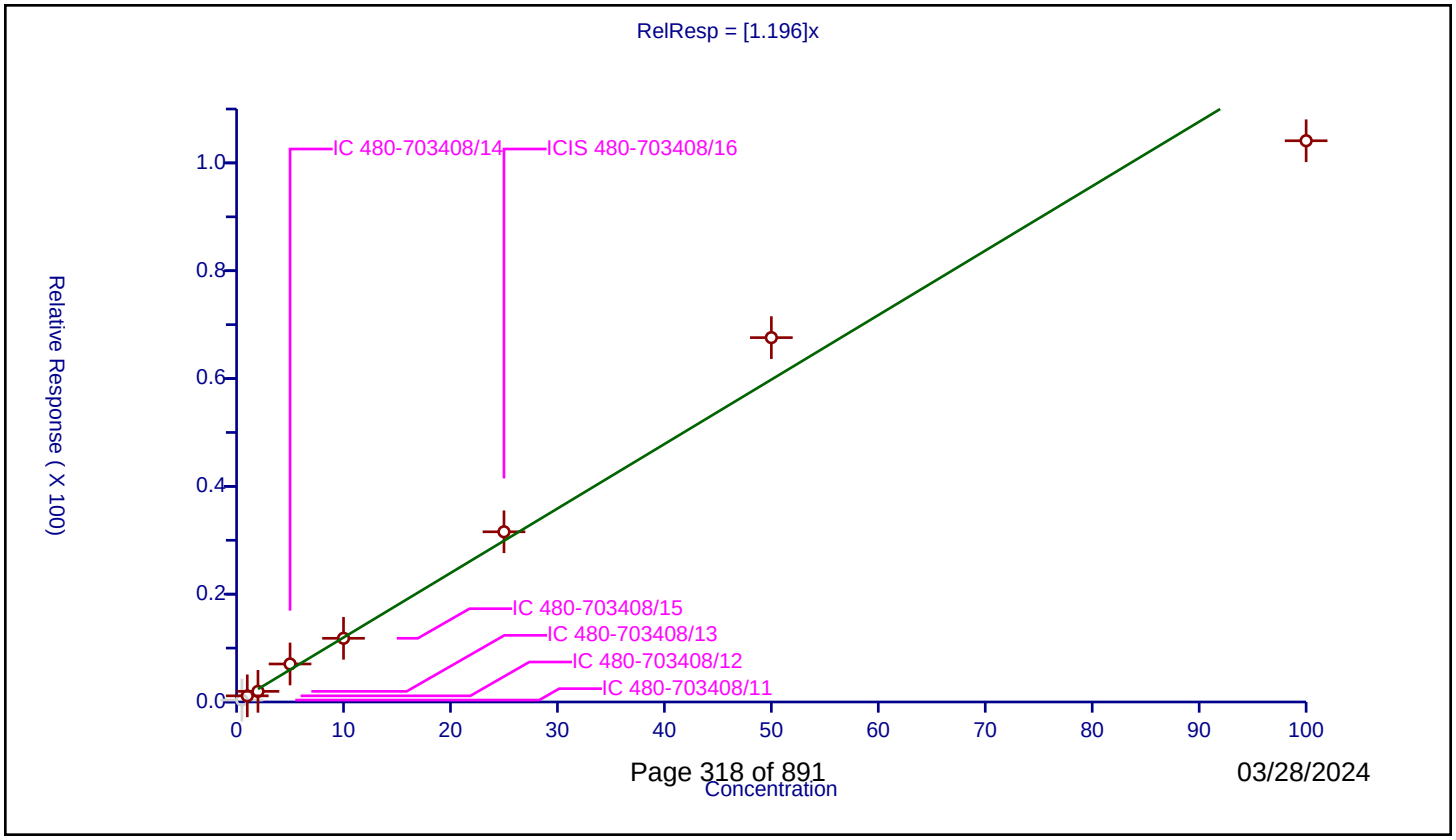
Curve Coefficients

Intercept:	0
Slope:	1.196

Error Coefficients

Relative Standard Deviation:	13.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.358302	25.0	166759.0	0.716603	N
2	IC 480-703408/12	1.0	1.140589	25.0	164038.0	1.140589	Y
3	IC 480-703408/13	2.0	1.968848	25.0	159281.0	0.984424	Y
4	IC 480-703408/14	5.0	7.049408	25.0	168656.0	1.409882	Y
5	IC 480-703408/15	10.0	11.817915	25.0	172156.0	1.181792	Y
6	ICIS 480-703408/16	25.0	31.57263	25.0	184325.0	1.262905	Y
7	IC 480-703408/17	50.0	67.589663	25.0	181429.0	1.351793	Y
8	IC 480-703408/18	100.0	104.114393	25.0	212504.0	1.041144	Y



Calibration / Acetone

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

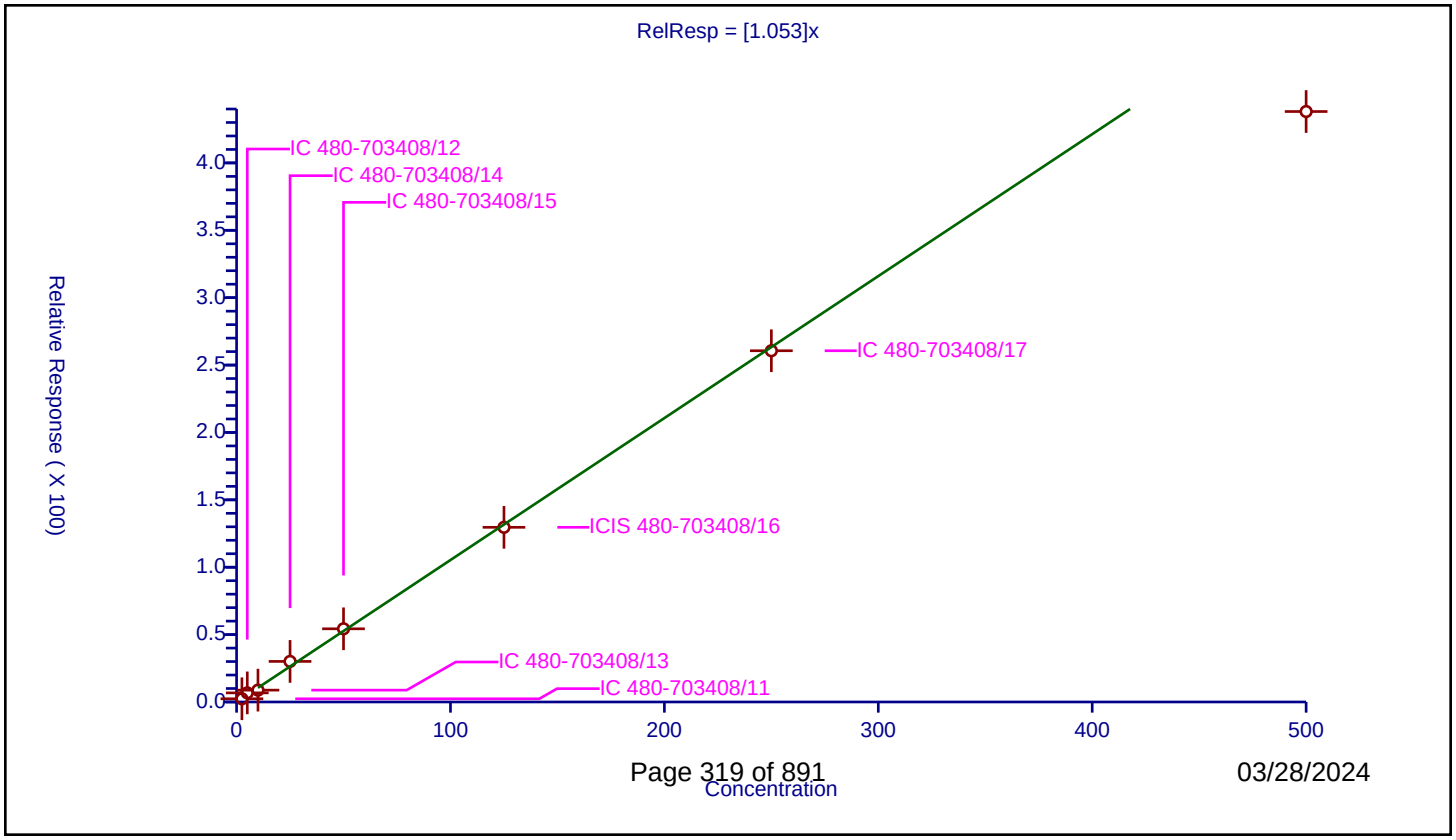
Curve Coefficients

Intercept:	0
Slope:	1.053

Error Coefficients

Relative Standard Deviation:	15.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	2.5	2.375584	25.0	166759.0	0.950234	Y
2	IC 480-703408/12	5.0	6.758952	25.0	164038.0	1.35179	Y
3	IC 480-703408/13	10.0	8.789969	25.0	159281.0	0.878997	Y
4	IC 480-703408/14	25.0	30.09884	25.0	168656.0	1.203954	Y
5	IC 480-703408/15	50.0	54.308737	25.0	172156.0	1.086175	Y
6	ICIS 480-703408/16	125.0	129.620914	25.0	184325.0	1.036967	Y
7	IC 480-703408/17	250.0	260.632672	25.0	181429.0	1.042531	Y
8	IC 480-703408/18	500.0	438.132341	25.0	212504.0	0.876265	Y



Calibration / Iodomethane

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

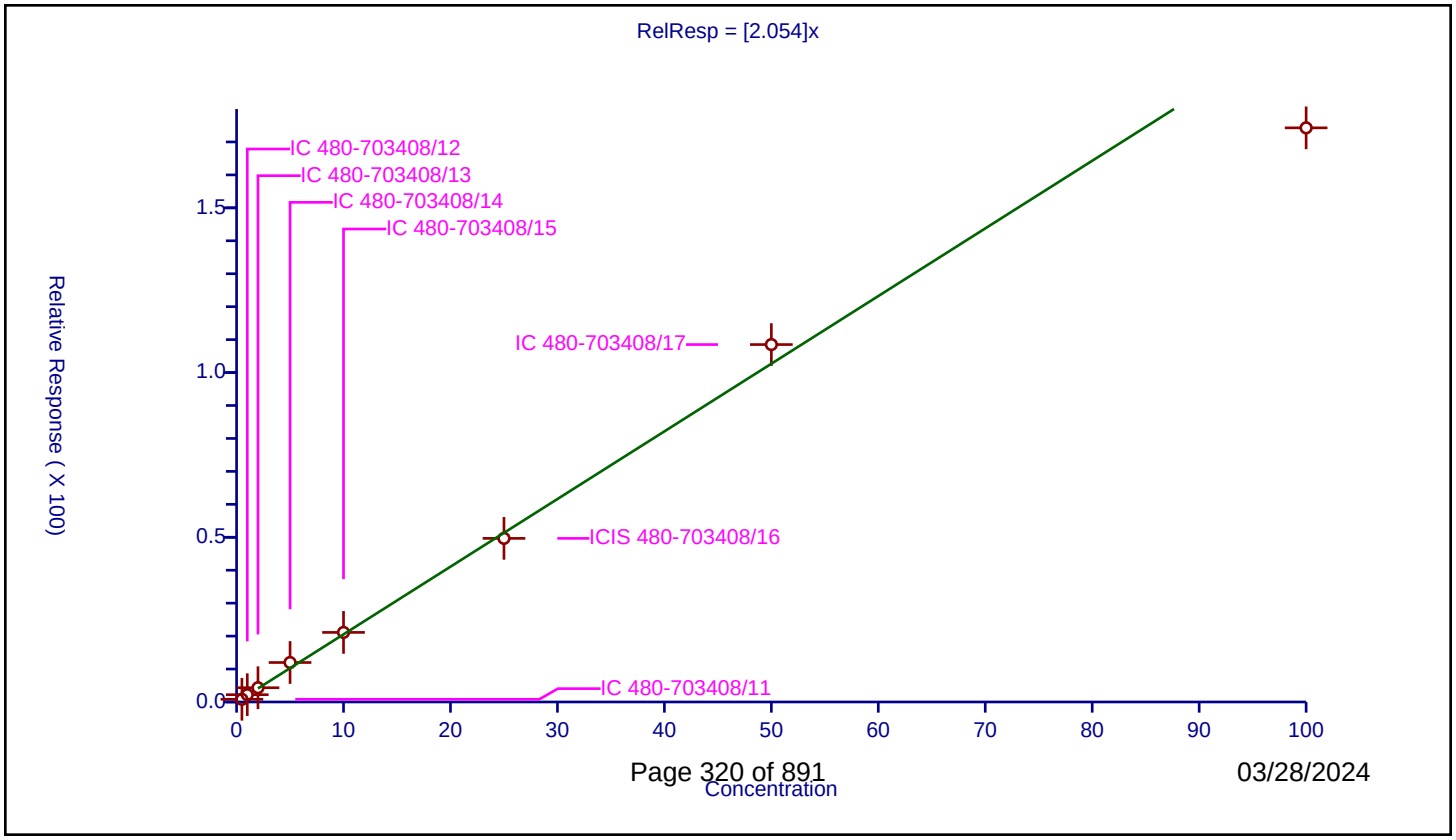
Curve Coefficients

Intercept:	0
Slope:	2.054

Error Coefficients

Relative Standard Deviation:	12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.820346	25.0	166759.0	1.640691	Y
2	IC 480-703408/12	1.0	2.215798	25.0	164038.0	2.215798	Y
3	IC 480-703408/13	2.0	4.328671	25.0	159281.0	2.164335	Y
4	IC 480-703408/14	5.0	11.98223	25.0	168656.0	2.396446	Y
5	IC 480-703408/15	10.0	21.121831	25.0	172156.0	2.112183	Y
6	ICIS 480-703408/16	25.0	49.666757	25.0	184325.0	1.98667	Y
7	IC 480-703408/17	50.0	108.497126	25.0	181429.0	2.169943	Y
8	IC 480-703408/18	100.0	174.286602	25.0	212504.0	1.742866	Y



Calibration / Carbon disulfide

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

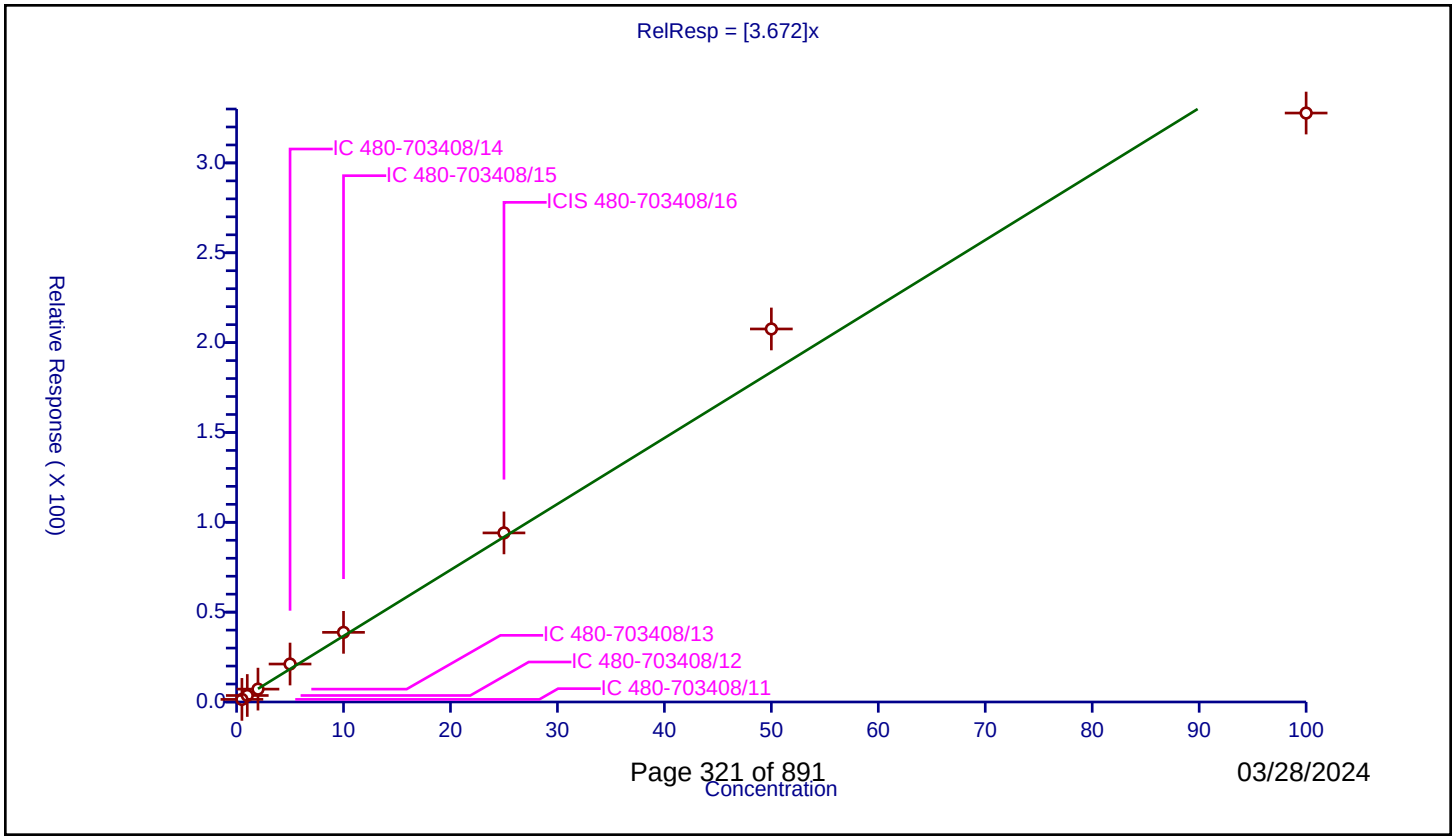
Curve Coefficients

Intercept:	0
Slope:	3.672

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	1.441901	25.0	166759.0	2.883802	Y
2	IC 480-703408/12	1.0	3.619741	25.0	164038.0	3.619741	Y
3	IC 480-703408/13	2.0	7.160772	25.0	159281.0	3.580386	Y
4	IC 480-703408/14	5.0	21.131326	25.0	168656.0	4.226265	Y
5	IC 480-703408/15	10.0	38.755838	25.0	172156.0	3.875584	Y
6	ICIS 480-703408/16	25.0	94.102808	25.0	184325.0	3.764112	Y
7	IC 480-703408/17	50.0	207.593191	25.0	181429.0	4.151864	Y
8	IC 480-703408/18	100.0	327.766066	25.0	212504.0	3.277661	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

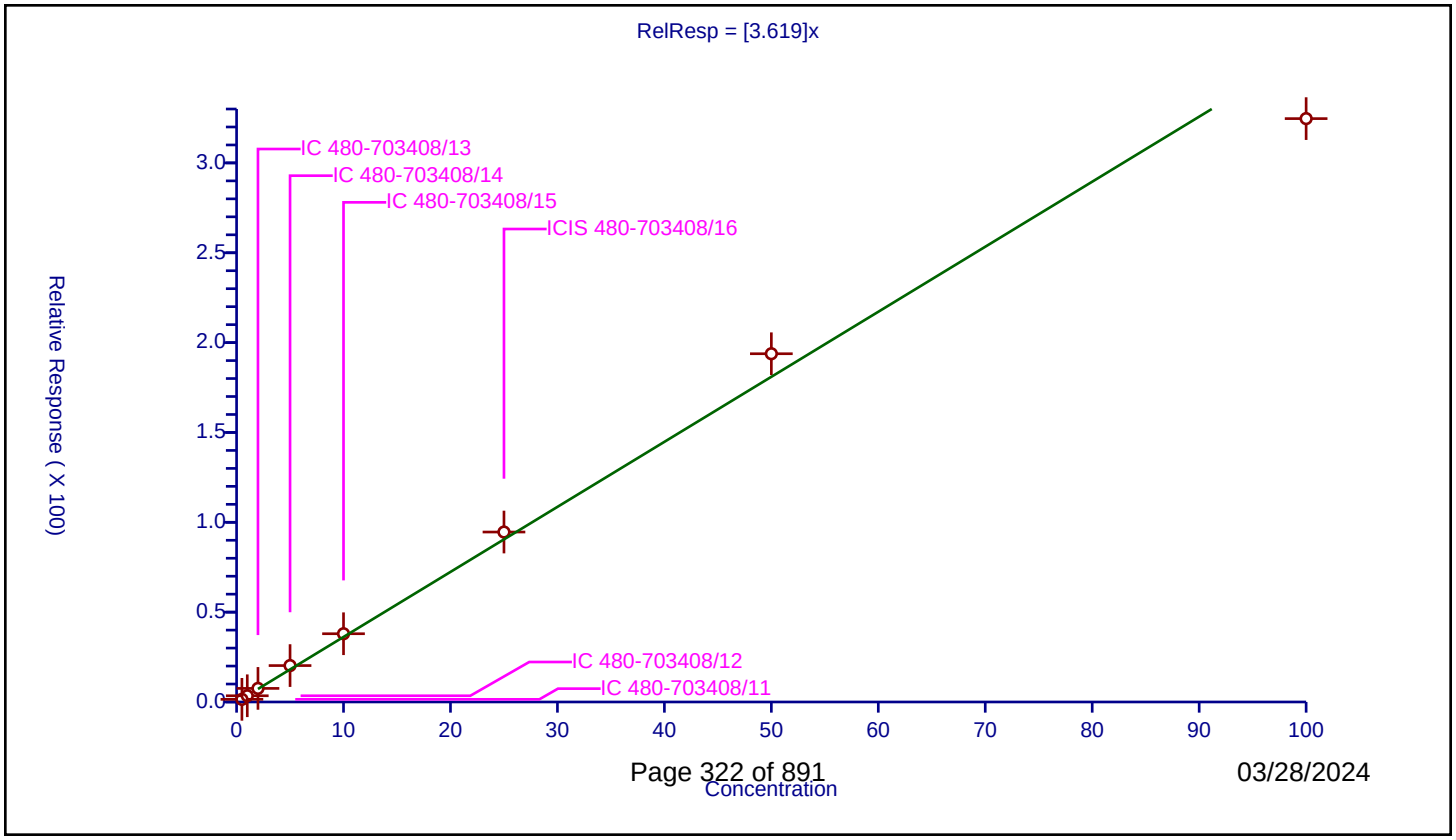
Curve Coefficients

Intercept:	0
Slope:	3.619

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	1.477282	25.0	166759.0	2.954563	Y
2	IC 480-703408/12	1.0	3.459717	25.0	164038.0	3.459717	Y
3	IC 480-703408/13	2.0	7.566502	25.0	159281.0	3.783251	Y
4	IC 480-703408/14	5.0	20.26388	25.0	168656.0	4.052776	Y
5	IC 480-703408/15	10.0	37.981104	25.0	172156.0	3.79811	Y
6	ICIS 480-703408/16	25.0	94.579683	25.0	184325.0	3.783187	Y
7	IC 480-703408/17	50.0	193.813971	25.0	181429.0	3.876279	Y
8	IC 480-703408/18	100.0	324.659418	25.0	212504.0	3.246594	Y



Calibration / Methyl acetate

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

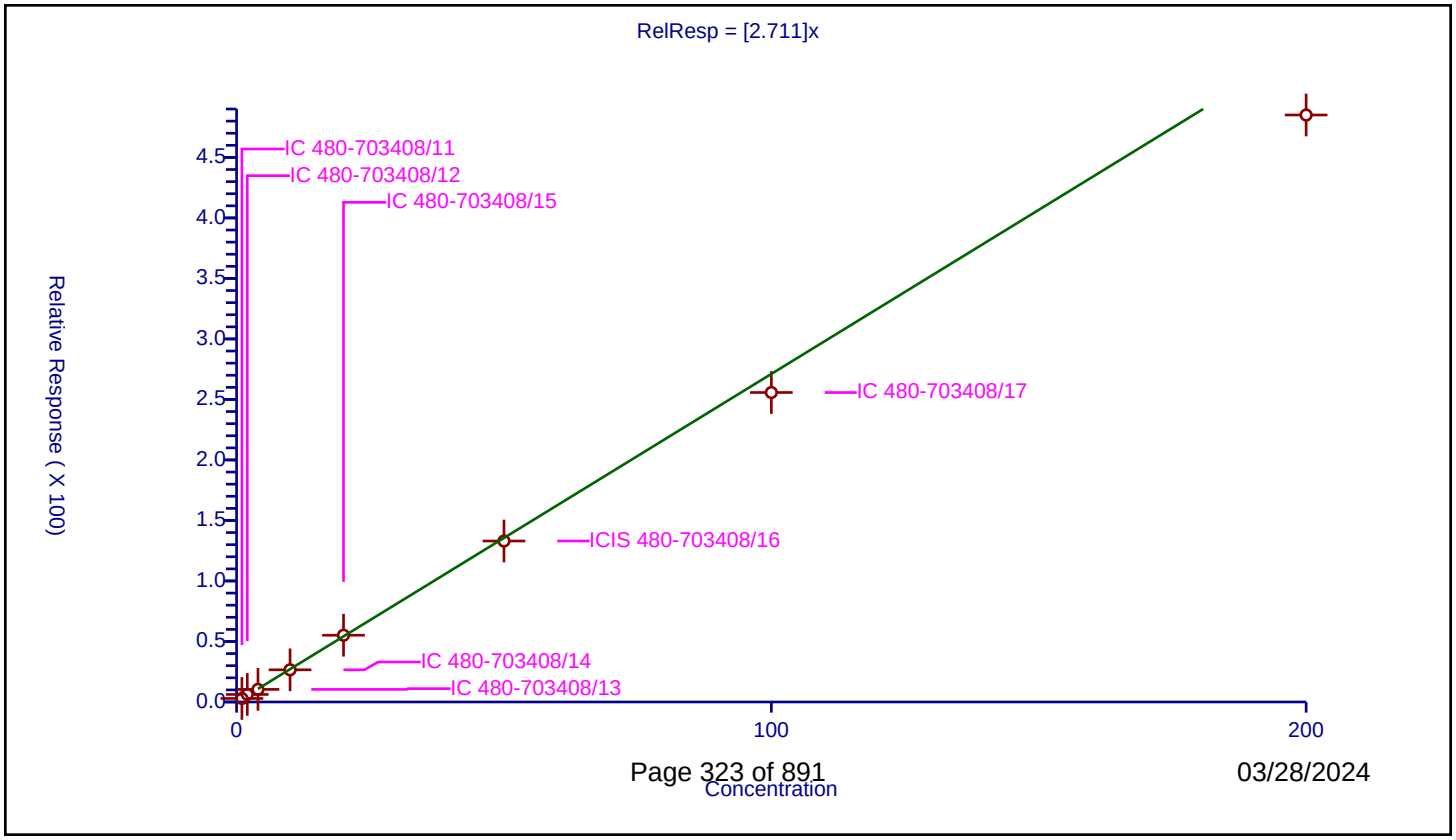
Curve Coefficients

Intercept:	0
Slope:	2.711

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	1.0	2.910188	25.0	166759.0	2.910188	Y
2	IC 480-703408/12	2.0	6.229044	25.0	164038.0	3.114522	Y
3	IC 480-703408/13	4.0	10.411003	25.0	159281.0	2.602751	Y
4	IC 480-703408/14	10.0	26.589774	25.0	168656.0	2.658977	Y
5	IC 480-703408/15	20.0	55.16668	25.0	172156.0	2.758334	Y
6	ICIS 480-703408/16	50.0	133.018717	25.0	184325.0	2.660374	Y
7	IC 480-703408/17	100.0	255.739849	25.0	181429.0	2.557398	Y
8	IC 480-703408/18	200.0	485.064046	25.0	212504.0	2.42532	Y



Calibration / Methylene Chloride

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

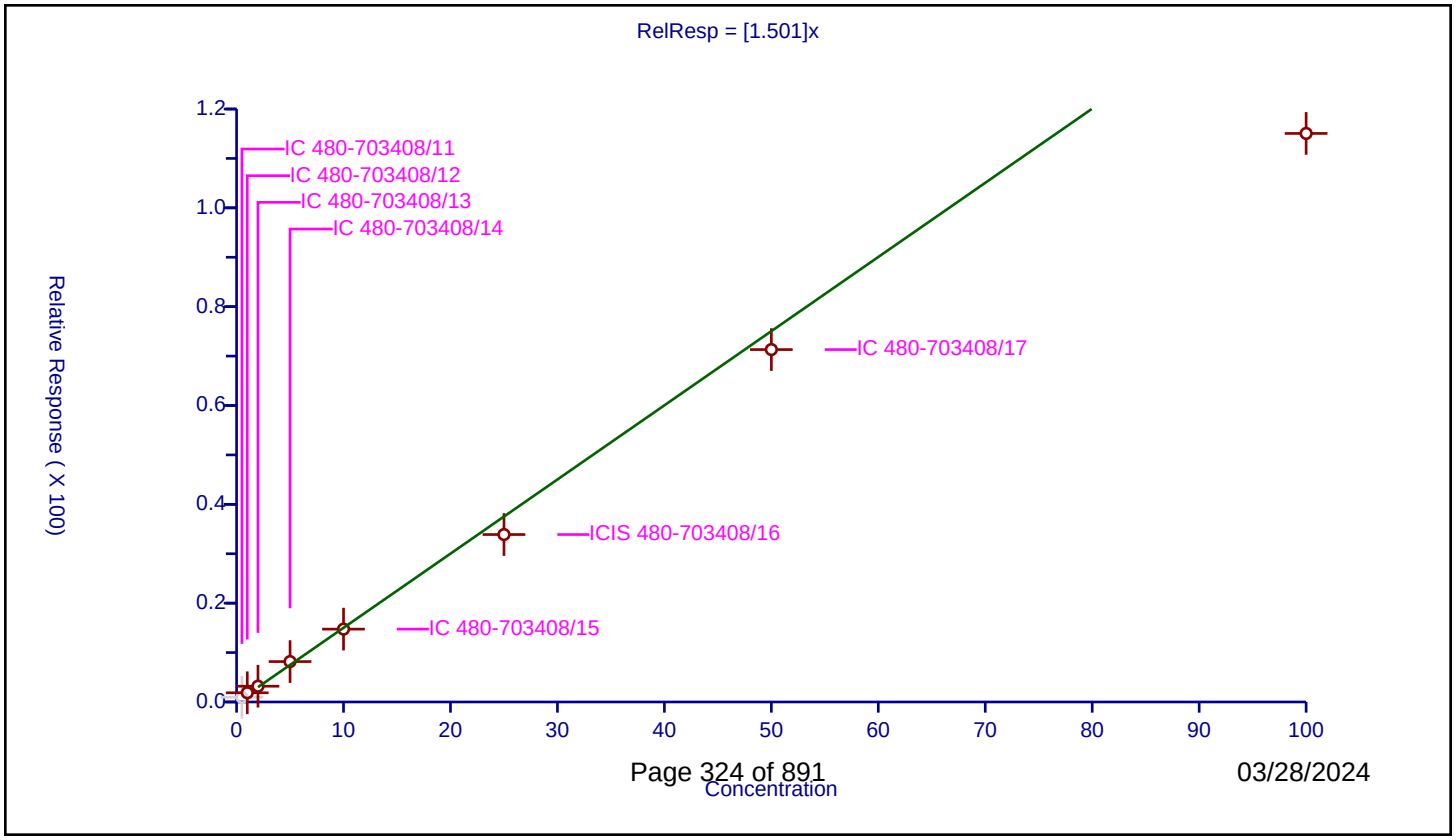
Curve Coefficients

Intercept:	0
Slope:	1.501

Error Coefficients

Relative Standard Deviation:	15.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.958869	25.0	166759.0	1.917738	N
2	IC 480-703408/12	1.0	1.866793	25.0	164038.0	1.866793	Y
3	IC 480-703408/13	2.0	3.193256	25.0	159281.0	1.596628	Y
4	IC 480-703408/14	5.0	8.179371	25.0	168656.0	1.635874	Y
5	IC 480-703408/15	10.0	14.745783	25.0	172156.0	1.474578	Y
6	ICIS 480-703408/16	25.0	33.888919	25.0	184325.0	1.355557	Y
7	IC 480-703408/17	50.0	71.31867	25.0	181429.0	1.426373	Y
8	IC 480-703408/18	100.0	115.057481	25.0	212504.0	1.150575	Y



Calibration / 2-Methyl-2-propanol

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

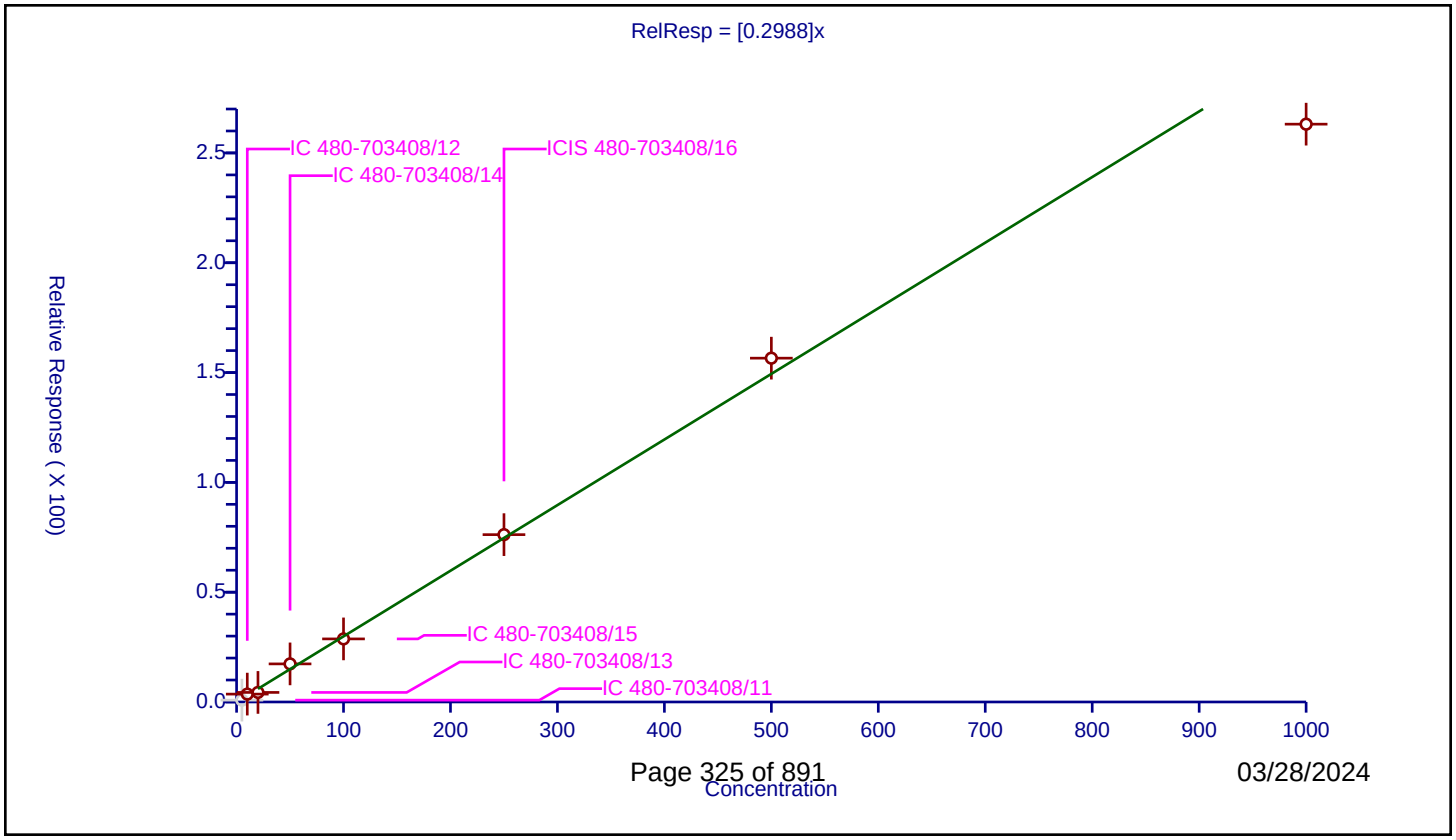
Curve Coefficients

Intercept:	0
Slope:	0.2988

Error Coefficients

Relative Standard Deviation:	16.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	5.0	0.838635	25.0	166759.0	0.167727	N
2	IC 480-703408/12	10.0	3.588955	25.0	164038.0	0.358895	Y
3	IC 480-703408/13	20.0	4.34986	25.0	159281.0	0.217493	Y
4	IC 480-703408/14	50.0	17.341512	25.0	168656.0	0.34683	Y
5	IC 480-703408/15	100.0	28.727724	25.0	172156.0	0.287277	Y
6	ICIS 480-703408/16	250.0	76.19368	25.0	184325.0	0.304775	Y
7	IC 480-703408/17	500.0	156.555457	25.0	181429.0	0.313111	Y
8	IC 480-703408/18	1000.0	263.097753	25.0	212504.0	0.263098	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

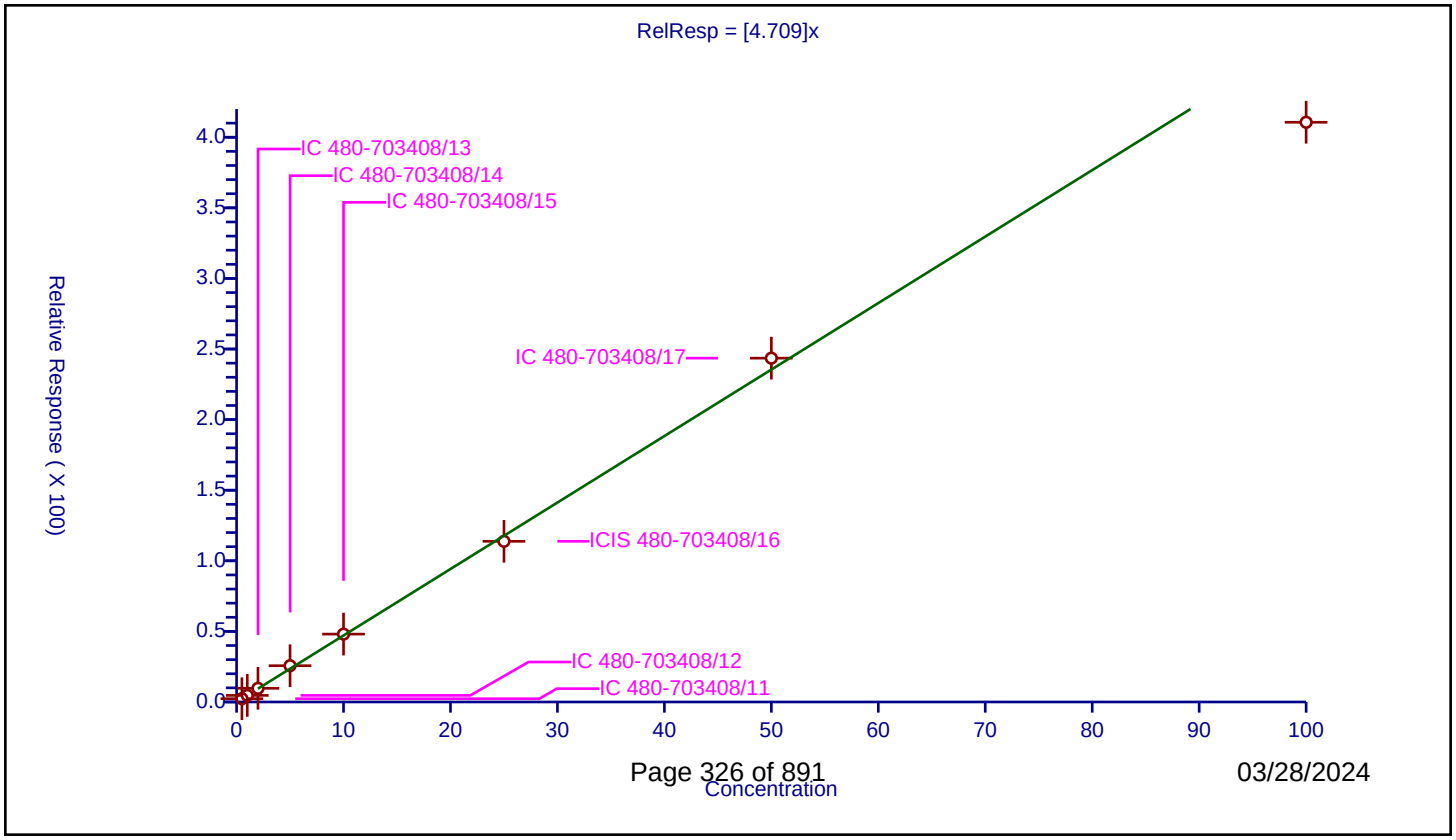
Curve Coefficients

Intercept:	0
Slope:	4.709

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	2.339454	25.0	166759.0	4.678908	Y
2	IC 480-703408/12	1.0	4.676203	25.0	164038.0	4.676203	Y
3	IC 480-703408/13	2.0	9.683044	25.0	159281.0	4.841522	Y
4	IC 480-703408/14	5.0	25.689569	25.0	168656.0	5.137914	Y
5	IC 480-703408/15	10.0	48.072097	25.0	172156.0	4.80721	Y
6	ICIS 480-703408/16	25.0	113.804693	25.0	184325.0	4.552188	Y
7	IC 480-703408/17	50.0	243.53094	25.0	181429.0	4.870619	Y
8	IC 480-703408/18	100.0	410.621682	25.0	212504.0	4.106217	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

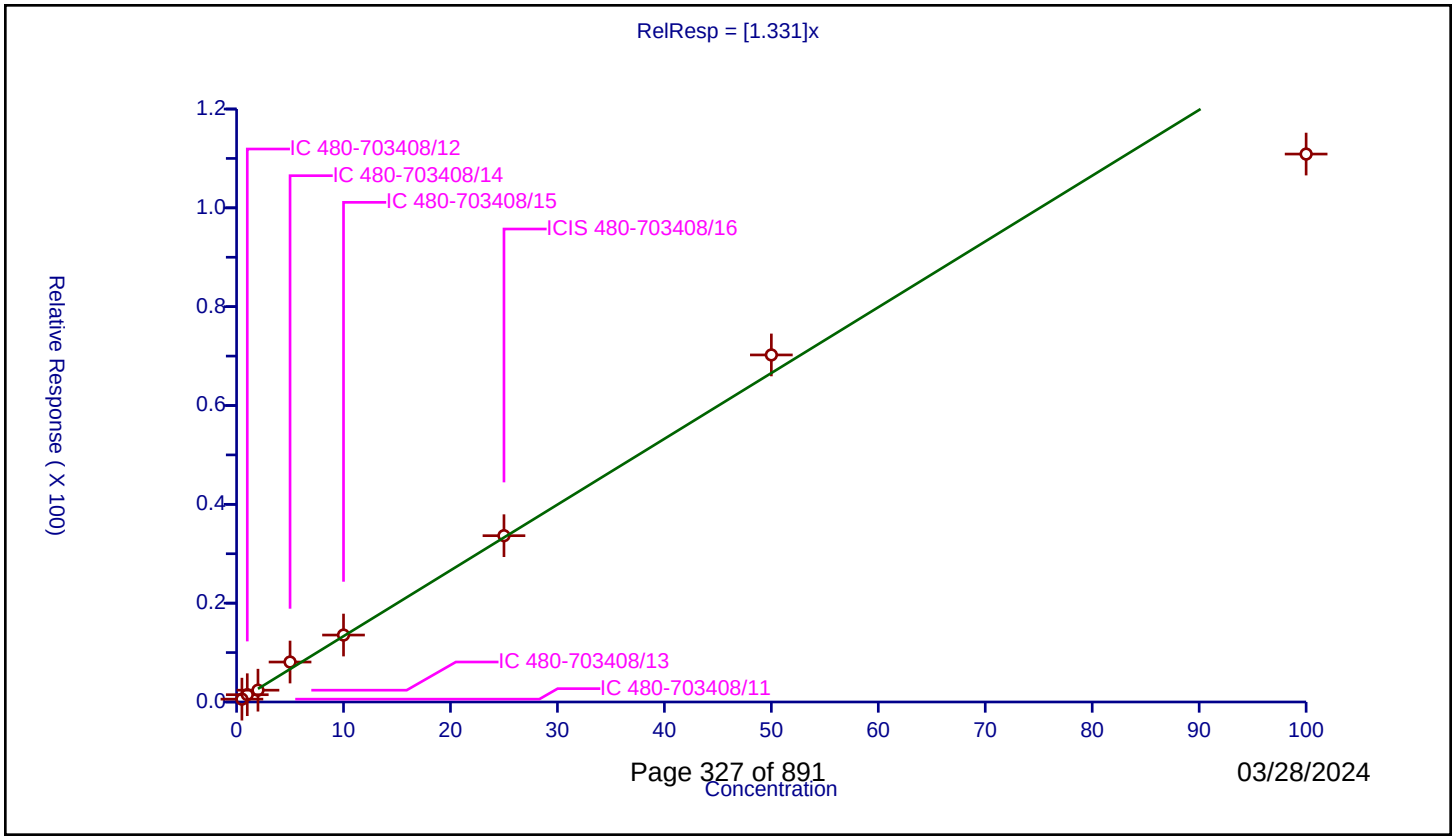
Curve Coefficients

Intercept:	0
Slope:	1.331

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.575831	25.0	166759.0	1.151662	Y
2	IC 480-703408/12	1.0	1.474354	25.0	164038.0	1.474354	Y
3	IC 480-703408/13	2.0	2.385564	25.0	159281.0	1.192782	Y
4	IC 480-703408/14	5.0	8.088506	25.0	168656.0	1.617701	Y
5	IC 480-703408/15	10.0	13.547306	25.0	172156.0	1.354731	Y
6	ICIS 480-703408/16	25.0	33.655093	25.0	184325.0	1.346204	Y
7	IC 480-703408/17	50.0	70.233397	25.0	181429.0	1.404668	Y
8	IC 480-703408/18	100.0	110.887677	25.0	212504.0	1.108877	Y



Calibration / Acrylonitrile

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

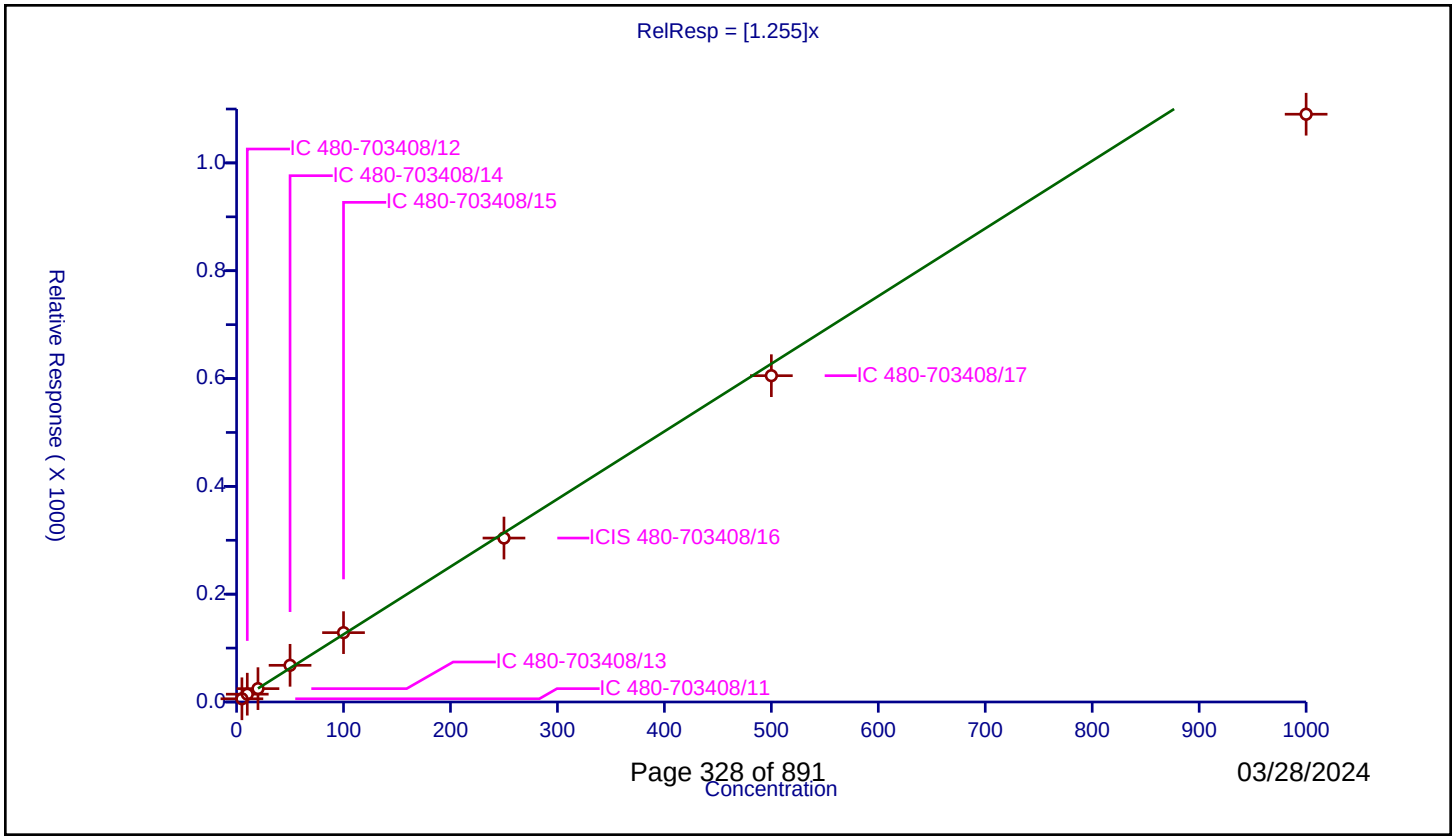
Curve Coefficients

Intercept:	0
Slope:	1.255

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	5.0	5.952003	25.0	166759.0	1.190401	Y
2	IC 480-703408/12	10.0	14.464941	25.0	164038.0	1.446494	Y
3	IC 480-703408/13	20.0	24.748087	25.0	159281.0	1.237404	Y
4	IC 480-703408/14	50.0	68.029006	25.0	168656.0	1.36058	Y
5	IC 480-703408/15	100.0	128.644369	25.0	172156.0	1.286444	Y
6	ICIS 480-703408/16	250.0	304.095484	25.0	184325.0	1.216382	Y
7	IC 480-703408/17	500.0	605.32357	25.0	181429.0	1.210647	Y
8	IC 480-703408/18	1000.0	1090.360652	25.0	212504.0	1.090361	Y



Calibration / Hexane

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

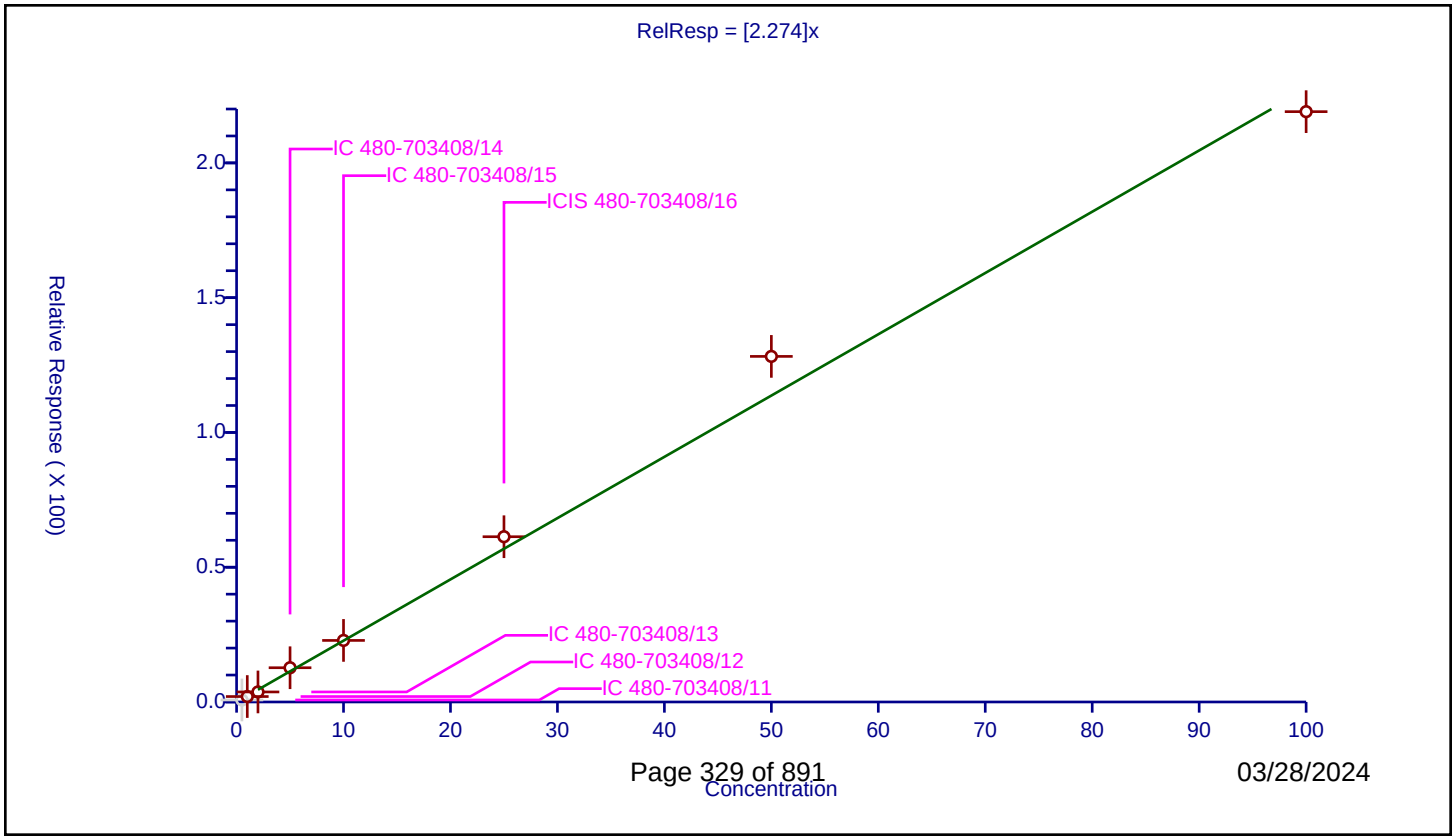
Curve Coefficients

Intercept:	0
Slope:	2.274

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.751833	25.0	166759.0	1.503667	N
2	IC 480-703408/12	1.0	2.01874	25.0	164038.0	2.01874	Y
3	IC 480-703408/13	2.0	3.727532	25.0	159281.0	1.863766	Y
4	IC 480-703408/14	5.0	12.704855	25.0	168656.0	2.540971	Y
5	IC 480-703408/15	10.0	22.843816	25.0	172156.0	2.284382	Y
6	ICIS 480-703408/16	25.0	61.319816	25.0	184325.0	2.452793	Y
7	IC 480-703408/17	50.0	128.213654	25.0	181429.0	2.564273	Y
8	IC 480-703408/18	100.0	219.02376	25.0	212504.0	2.190238	Y



Calibration / 1,1-Dichloroethane

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

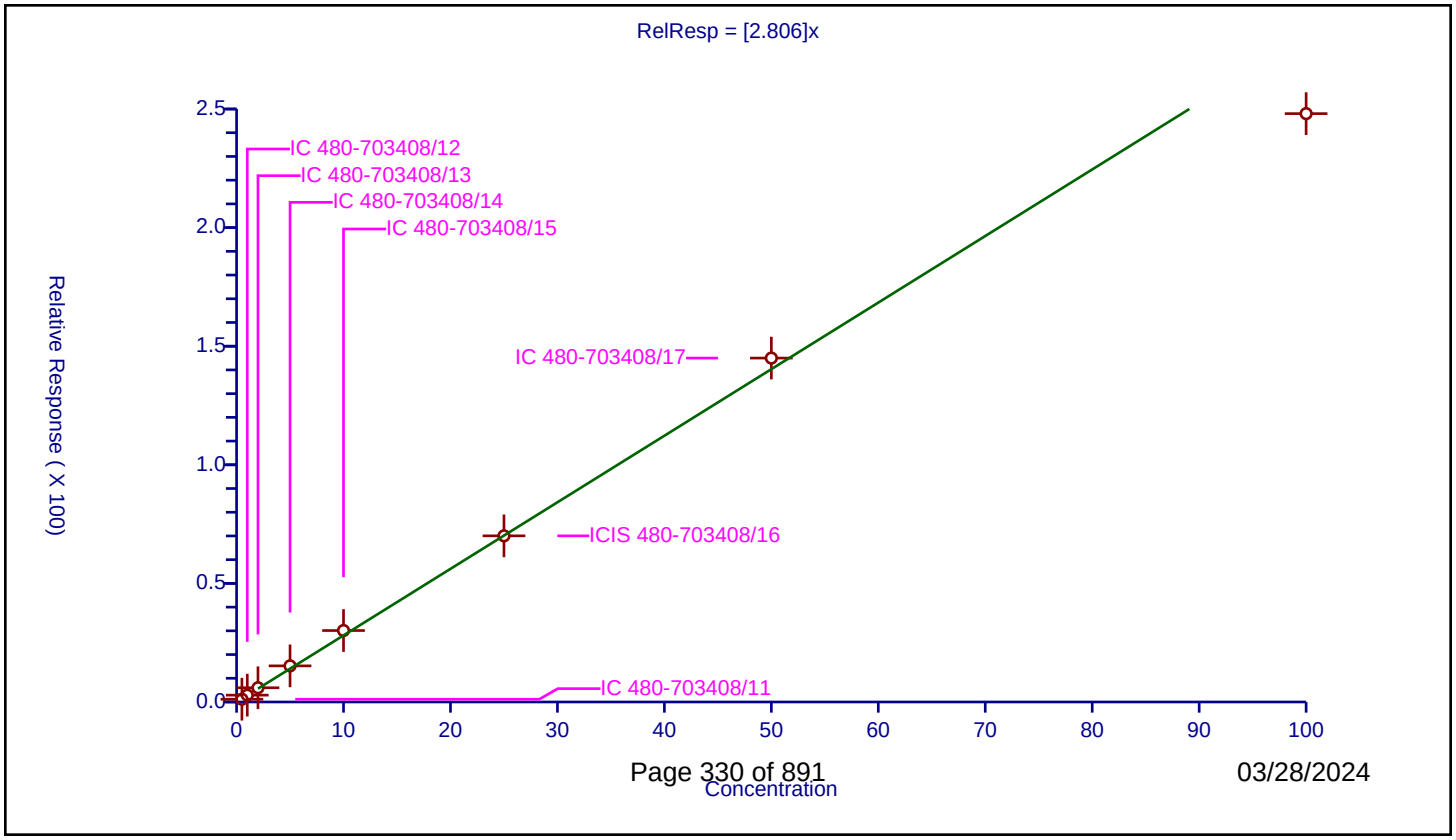
Curve Coefficients

Intercept:	0
Slope:	2.806

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	1.165005	25.0	166759.0	2.330009	Y
2	IC 480-703408/12	1.0	2.881192	25.0	164038.0	2.881192	Y
3	IC 480-703408/13	2.0	5.999303	25.0	159281.0	2.999652	Y
4	IC 480-703408/14	5.0	15.227742	25.0	168656.0	3.045548	Y
5	IC 480-703408/15	10.0	30.122534	25.0	172156.0	3.012253	Y
6	ICIS 480-703408/16	25.0	70.050997	25.0	184325.0	2.80204	Y
7	IC 480-703408/17	50.0	144.988949	25.0	181429.0	2.899779	Y
8	IC 480-703408/18	100.0	248.057331	25.0	212504.0	2.480573	Y



Calibration / Vinyl acetate

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

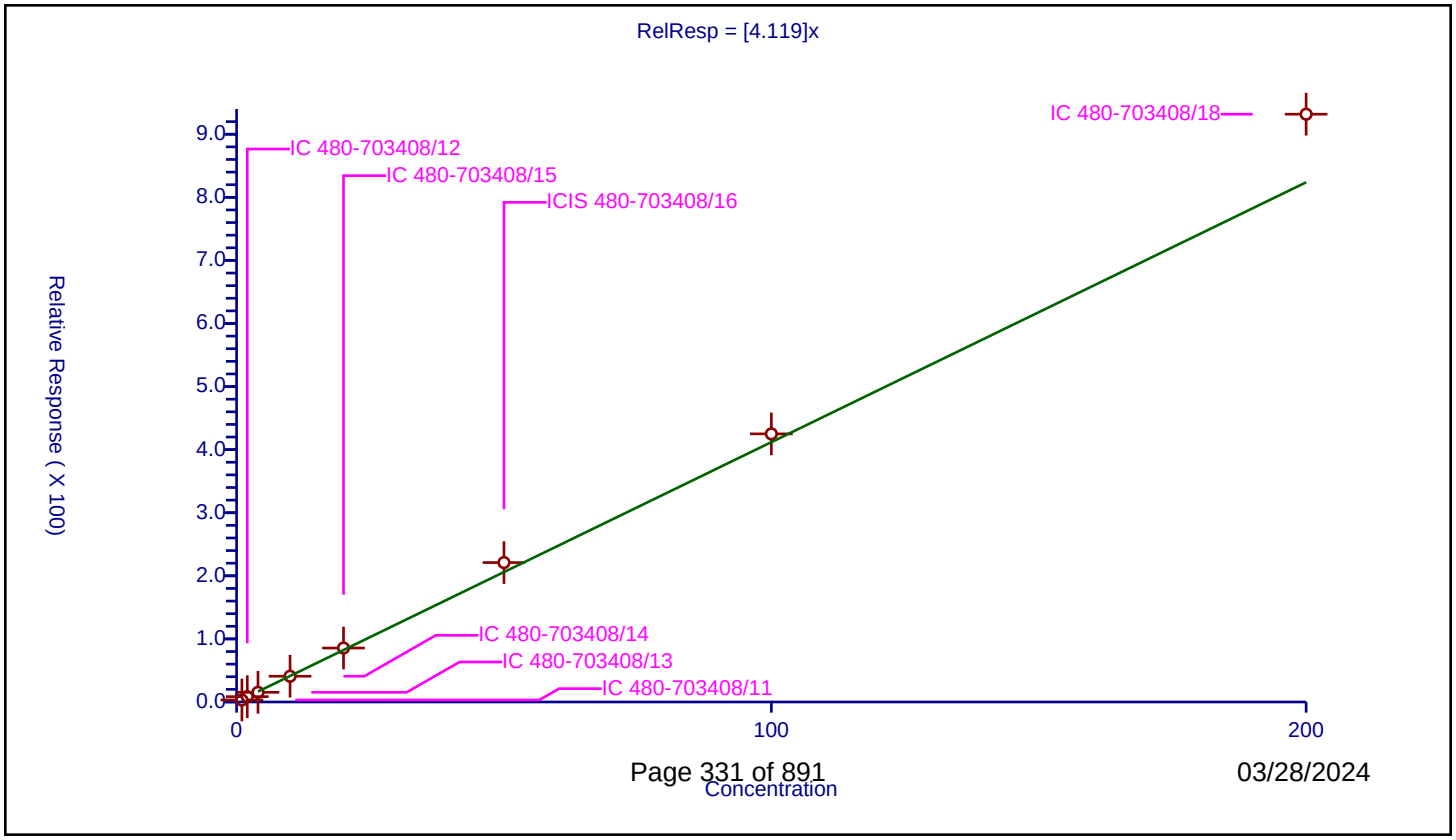
Curve Coefficients

Intercept:	0
Slope:	4.119

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	1.0	3.189483	25.0	166759.0	3.189483	Y
2	IC 480-703408/12	2.0	8.488277	25.0	164038.0	4.244139	Y
3	IC 480-703408/13	4.0	15.327001	25.0	159281.0	3.83175	Y
4	IC 480-703408/14	10.0	40.804952	25.0	168656.0	4.080495	Y
5	IC 480-703408/15	20.0	85.537681	25.0	172156.0	4.276884	Y
6	ICIS 480-703408/16	50.0	221.009087	25.0	184325.0	4.420182	Y
7	IC 480-703408/17	100.0	425.014606	25.0	181429.0	4.250146	Y
8	IC 480-703408/18	200.0	931.781284	25.0	212504.0	4.658906	Y



Calibration / 2,2-Dichloropropane

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

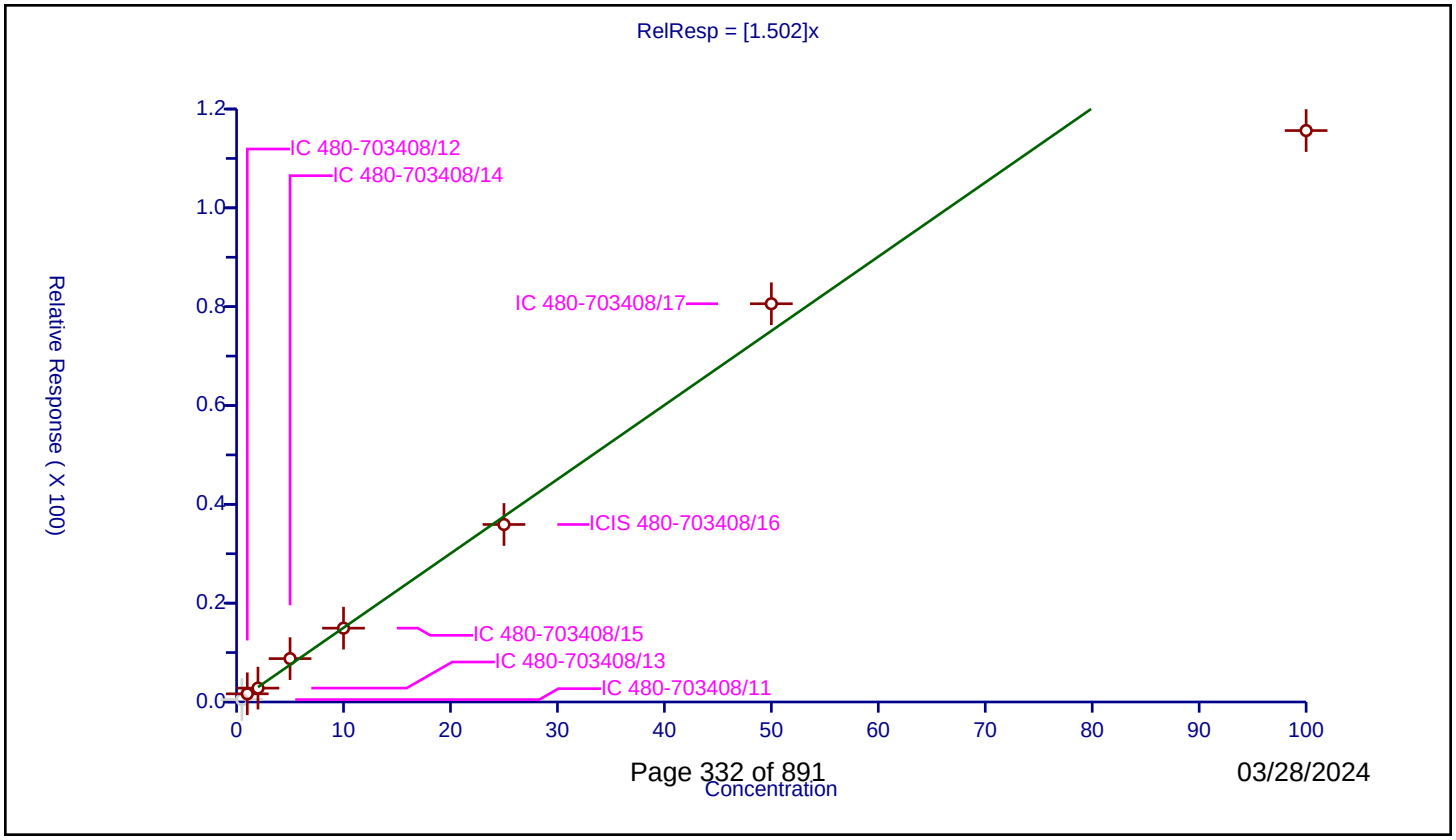
Curve Coefficients

Intercept:	0
Slope:	1.502

Error Coefficients

Relative Standard Deviation:	13.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.490828	25.0	166759.0	0.981656	N
2	IC 480-703408/12	1.0	1.654647	25.0	164038.0	1.654647	Y
3	IC 480-703408/13	2.0	2.8095	25.0	159281.0	1.40475	Y
4	IC 480-703408/14	5.0	8.777037	25.0	168656.0	1.755407	Y
5	IC 480-703408/15	10.0	14.938922	25.0	172156.0	1.493892	Y
6	ICIS 480-703408/16	25.0	35.921063	25.0	184325.0	1.436843	Y
7	IC 480-703408/17	50.0	80.596129	25.0	181429.0	1.611923	Y
8	IC 480-703408/18	100.0	115.638412	25.0	212504.0	1.156384	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

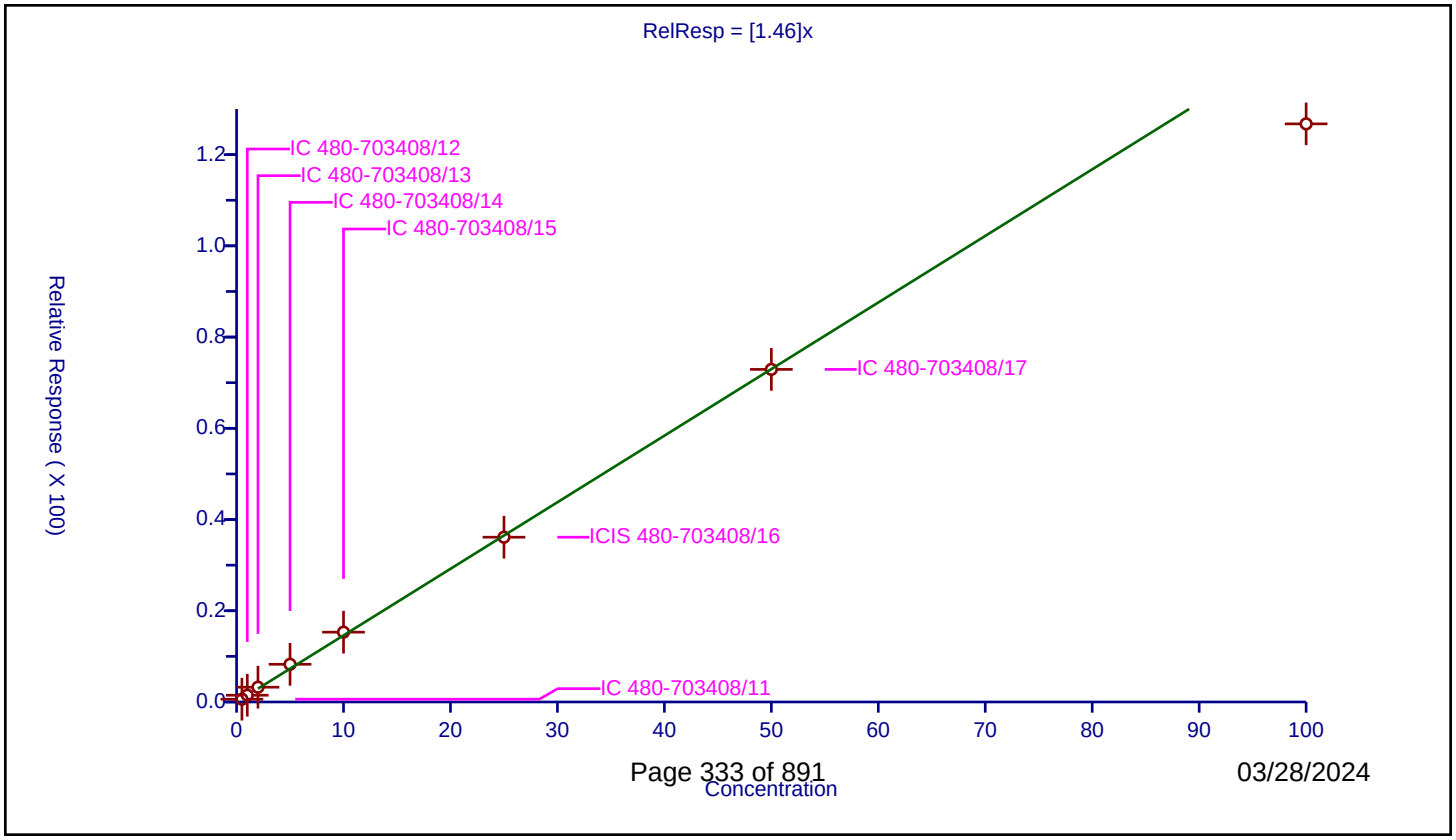
Curve Coefficients

Intercept:	0
Slope:	1.46

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.610762	25.0	166759.0	1.221523	Y
2	IC 480-703408/12	1.0	1.480907	25.0	164038.0	1.480907	Y
3	IC 480-703408/13	2.0	3.240813	25.0	159281.0	1.620407	Y
4	IC 480-703408/14	5.0	8.262973	25.0	168656.0	1.652595	Y
5	IC 480-703408/15	10.0	15.307483	25.0	172156.0	1.530748	Y
6	ICIS 480-703408/16	25.0	36.129662	25.0	184325.0	1.445186	Y
7	IC 480-703408/17	50.0	72.919434	25.0	181429.0	1.458389	Y
8	IC 480-703408/18	100.0	126.742791	25.0	212504.0	1.267428	Y



Calibration / 2-Butanone (MEK)

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

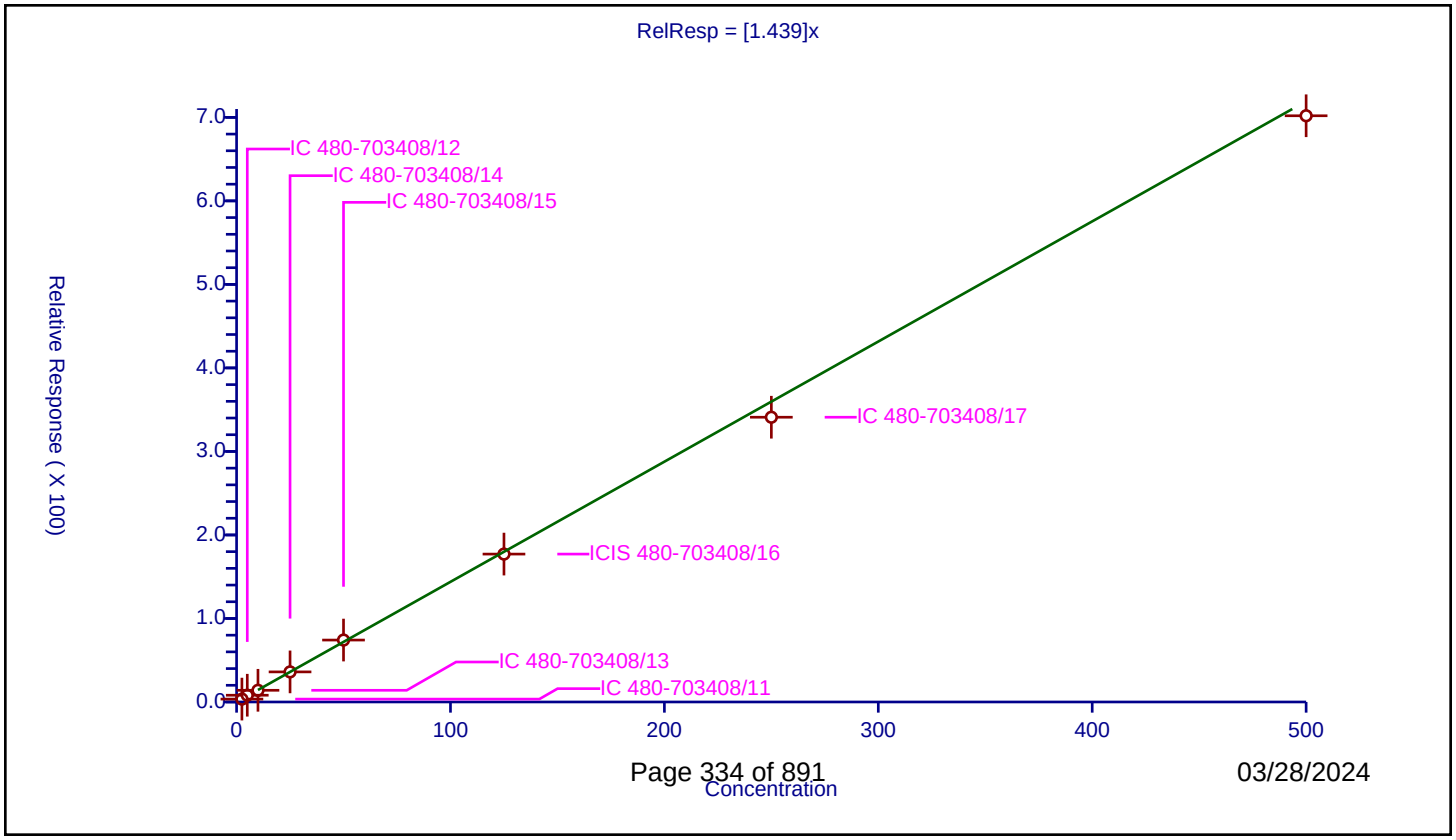
Curve Coefficients

Intercept:	0
Slope:	1.439

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	2.5	3.461133	25.0	166759.0	1.384453	Y
2	IC 480-703408/12	5.0	8.084407	25.0	164038.0	1.616881	Y
3	IC 480-703408/13	10.0	13.989898	25.0	159281.0	1.39899	Y
4	IC 480-703408/14	25.0	36.026587	25.0	168656.0	1.441063	Y
5	IC 480-703408/15	50.0	74.144671	25.0	172156.0	1.482893	Y
6	ICIS 480-703408/16	125.0	177.097247	25.0	184325.0	1.416778	Y
7	IC 480-703408/17	250.0	340.960789	25.0	181429.0	1.363843	Y
8	IC 480-703408/18	500.0	701.925023	25.0	212504.0	1.40385	Y



Calibration / Chlorobromomethane

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

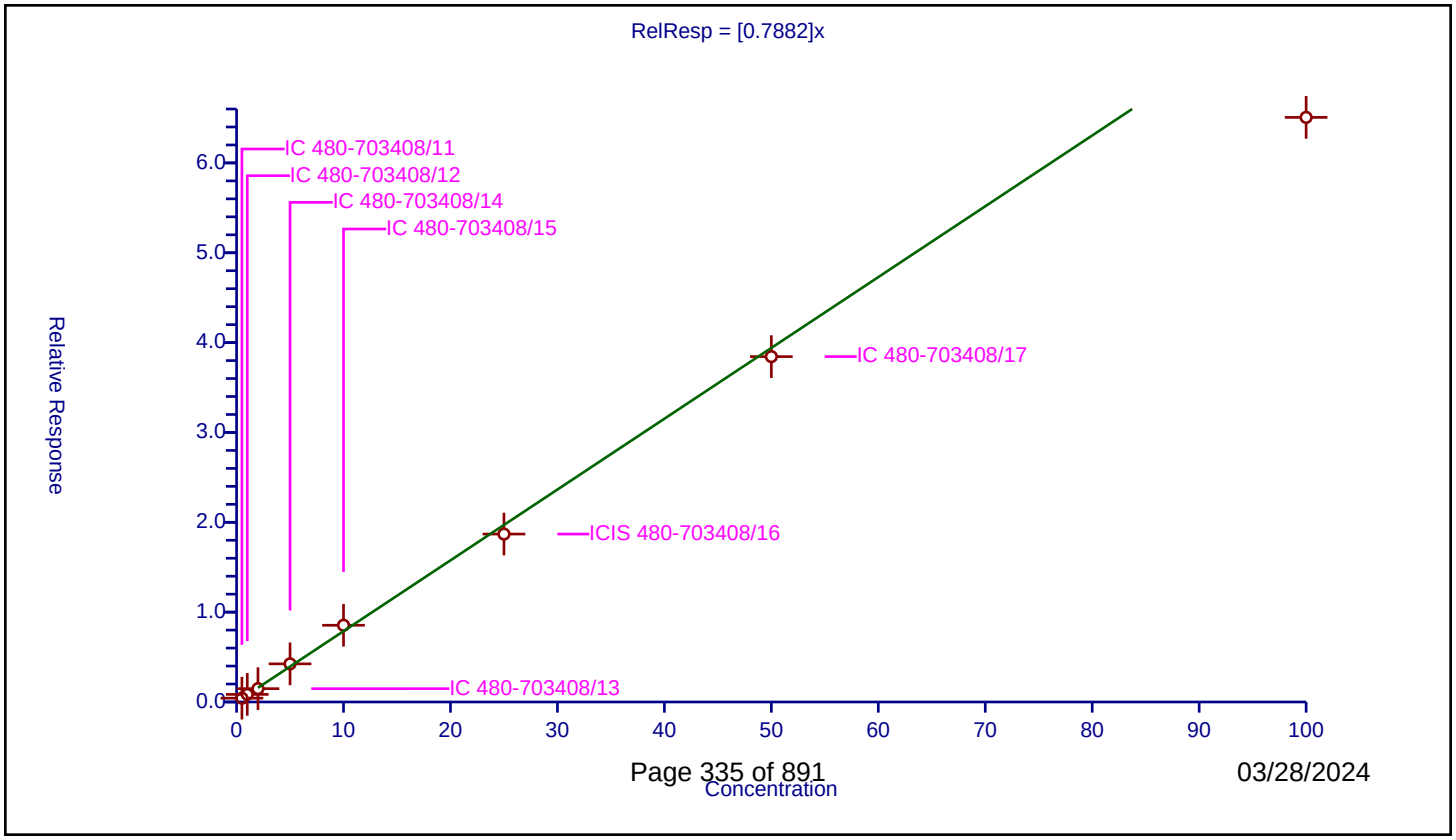
Curve Coefficients

Intercept:	0
Slope:	0.7882

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.424715	25.0	166759.0	0.849429	Y
2	IC 480-703408/12	1.0	0.844926	25.0	164038.0	0.844926	Y
3	IC 480-703408/13	2.0	1.481501	25.0	159281.0	0.740751	Y
4	IC 480-703408/14	5.0	4.245624	25.0	168656.0	0.849125	Y
5	IC 480-703408/15	10.0	8.540365	25.0	172156.0	0.854036	Y
6	ICIS 480-703408/16	25.0	18.691035	25.0	184325.0	0.747641	Y
7	IC 480-703408/17	50.0	38.440382	25.0	181429.0	0.768808	Y
8	IC 480-703408/18	100.0	65.067246	25.0	212504.0	0.650672	Y



Calibration / Tetrahydrofuran

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

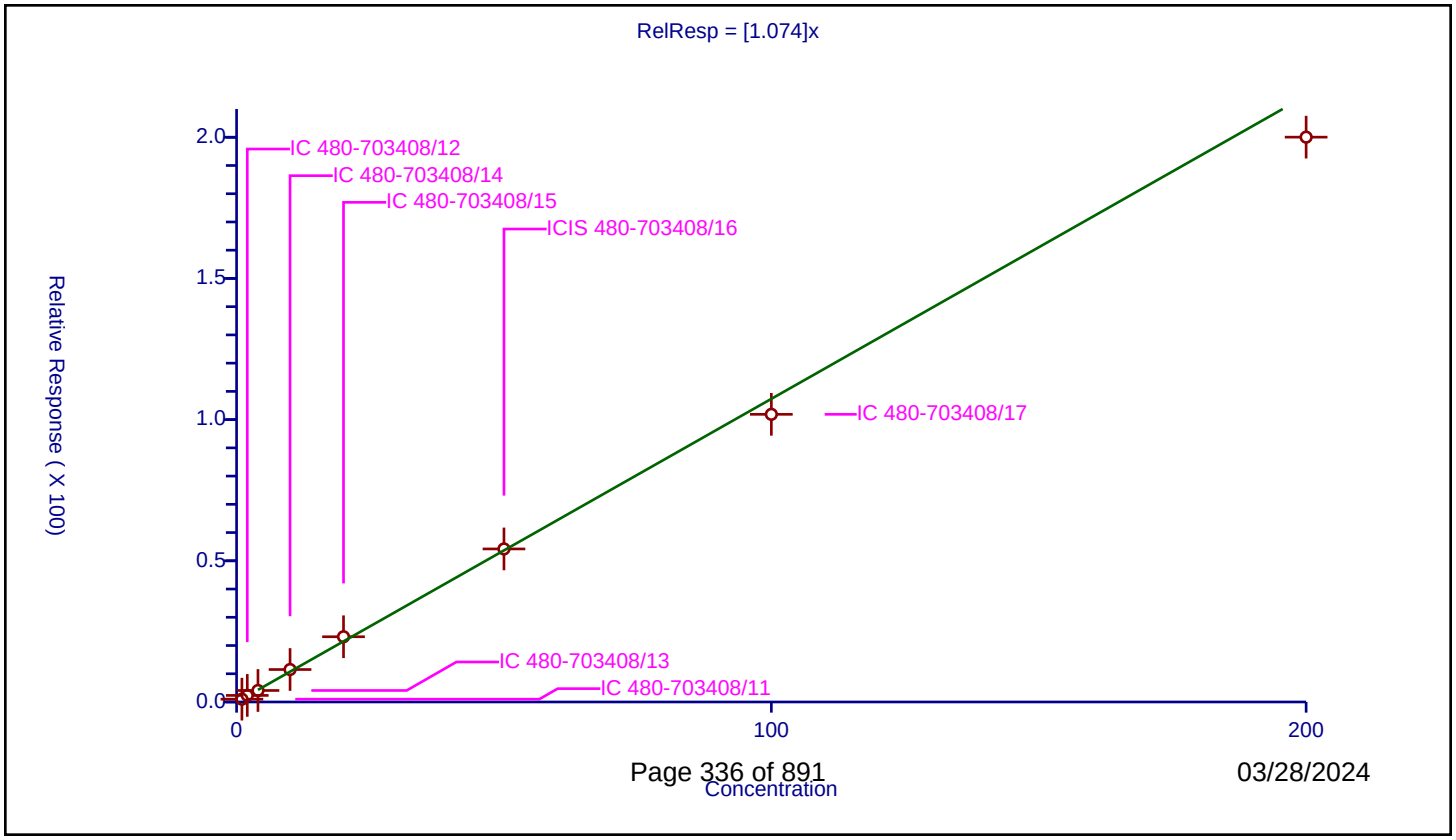
Curve Coefficients

Intercept:	0
Slope:	1.074

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	1.0	0.996798	25.0	166759.0	0.996798	Y
2	IC 480-703408/12	2.0	2.329948	25.0	164038.0	1.164974	Y
3	IC 480-703408/13	4.0	4.074874	25.0	159281.0	1.018718	Y
4	IC 480-703408/14	10.0	11.494848	25.0	168656.0	1.149485	Y
5	IC 480-703408/15	20.0	23.104045	25.0	172156.0	1.155202	Y
6	ICIS 480-703408/16	50.0	54.207378	25.0	184325.0	1.084148	Y
7	IC 480-703408/17	100.0	101.877043	25.0	181429.0	1.01877	Y
8	IC 480-703408/18	200.0	200.039411	25.0	212504.0	1.000197	Y



Calibration / Chloroform

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

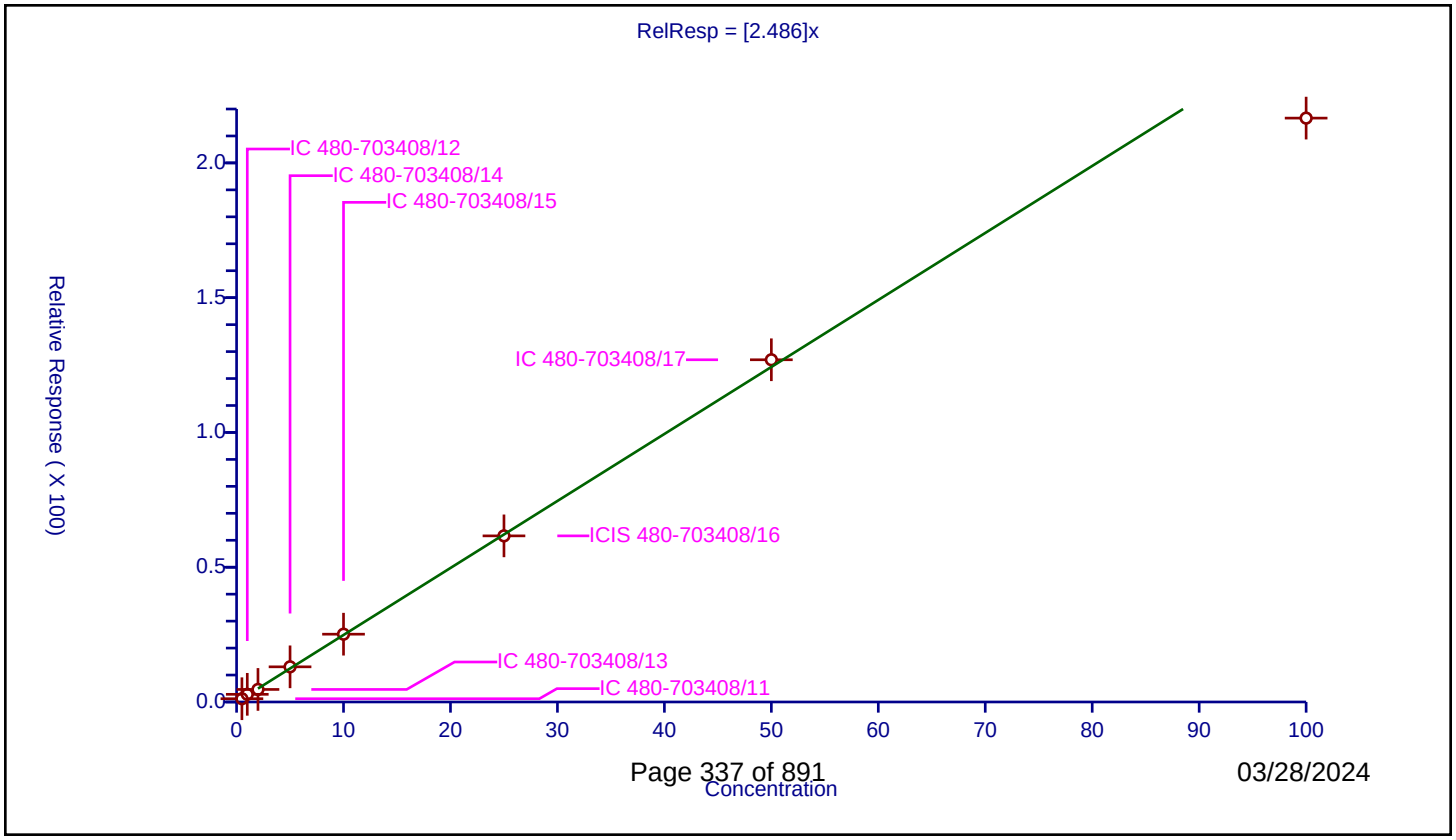
Curve Coefficients

Intercept:	0
Slope:	2.486

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	1.208031	25.0	166759.0	2.416062	Y
2	IC 480-703408/12	1.0	2.84873	25.0	164038.0	2.84873	Y
3	IC 480-703408/13	2.0	4.653568	25.0	159281.0	2.326784	Y
4	IC 480-703408/14	5.0	13.04623	25.0	168656.0	2.609246	Y
5	IC 480-703408/15	10.0	25.159158	25.0	172156.0	2.515916	Y
6	ICIS 480-703408/16	25.0	61.633392	25.0	184325.0	2.465336	Y
7	IC 480-703408/17	50.0	126.966058	25.0	181429.0	2.539321	Y
8	IC 480-703408/18	100.0	216.627805	25.0	212504.0	2.166278	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

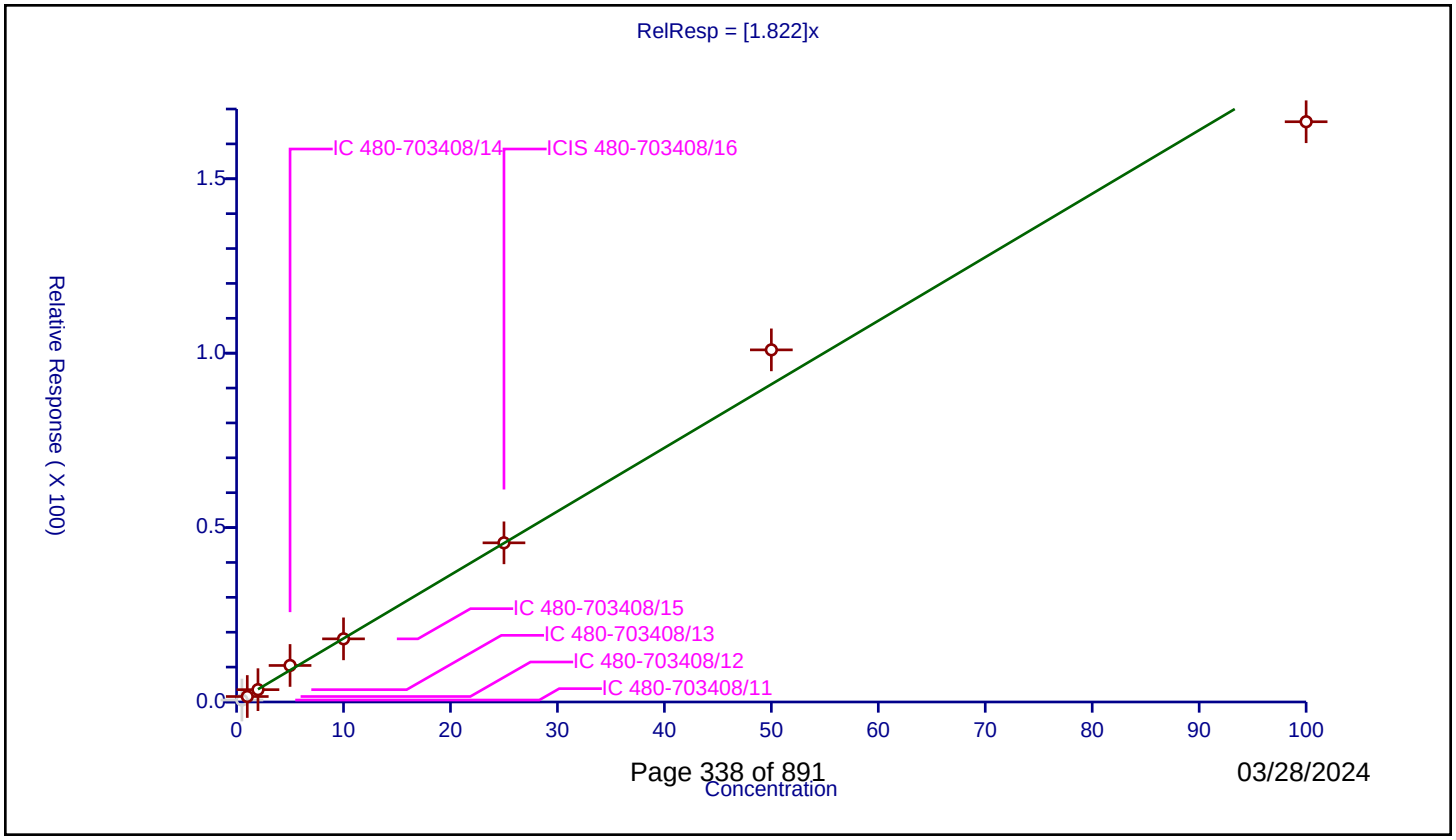
Curve Coefficients

Intercept:	0
Slope:	1.822

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.563988	25.0	166759.0	1.127975	N
2	IC 480-703408/12	1.0	1.57113	25.0	164038.0	1.57113	Y
3	IC 480-703408/13	2.0	3.536046	25.0	159281.0	1.768023	Y
4	IC 480-703408/14	5.0	10.46835	25.0	168656.0	2.09367	Y
5	IC 480-703408/15	10.0	18.101751	25.0	172156.0	1.810175	Y
6	ICIS 480-703408/16	25.0	45.630001	25.0	184325.0	1.8252	Y
7	IC 480-703408/17	50.0	100.946927	25.0	181429.0	2.018939	Y
8	IC 480-703408/18	100.0	166.350163	25.0	212504.0	1.663502	Y



Calibration / Cyclohexane

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

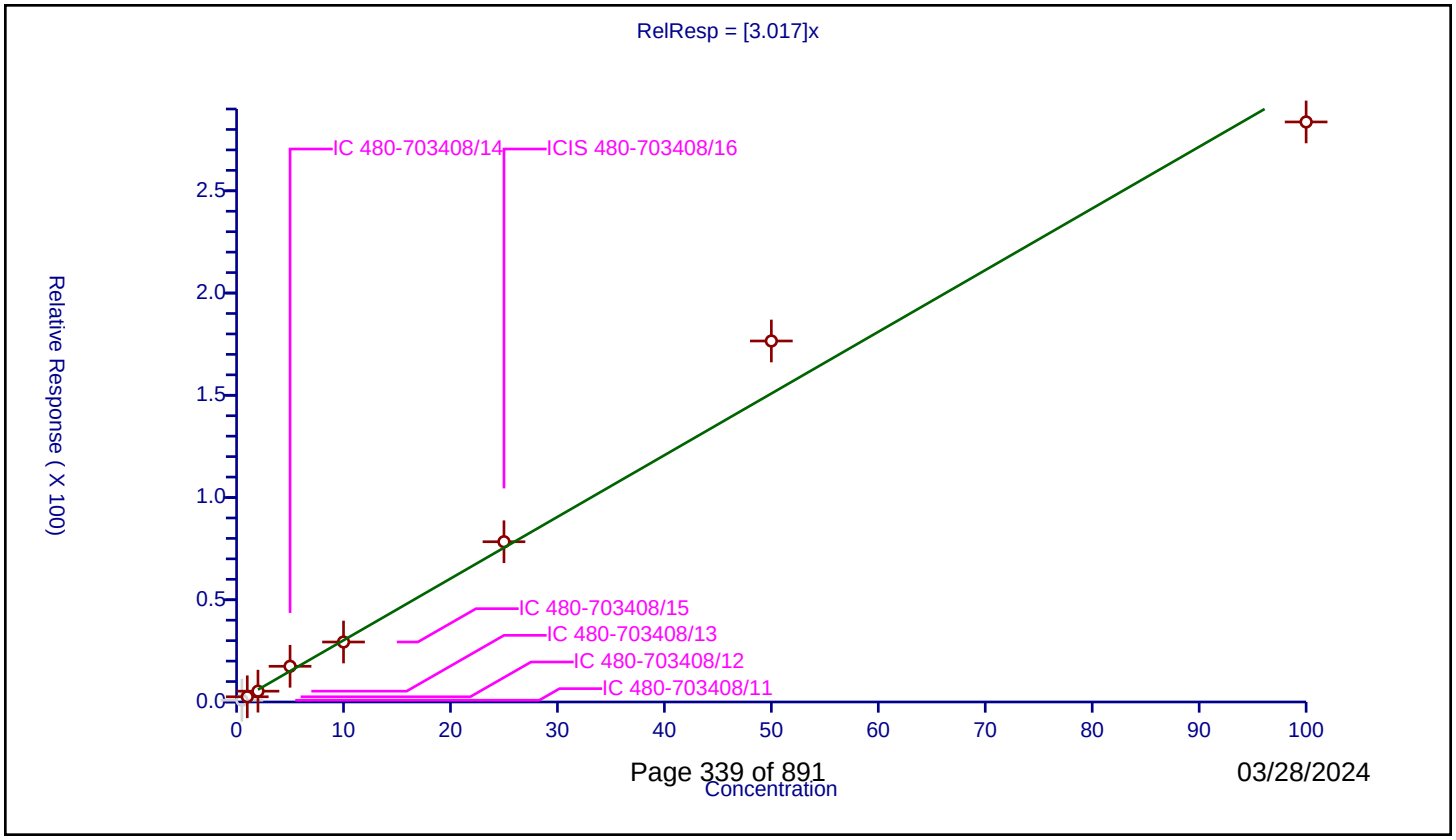
Curve Coefficients

Intercept:	0
Slope:	3.017

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.873266	25.0	166759.0	1.746532	N
2	IC 480-703408/12	1.0	2.544228	25.0	164038.0	2.544228	Y
3	IC 480-703408/13	2.0	5.29426	25.0	159281.0	2.64713	Y
4	IC 480-703408/14	5.0	17.454315	25.0	168656.0	3.490863	Y
5	IC 480-703408/15	10.0	29.339814	25.0	172156.0	2.933981	Y
6	ICIS 480-703408/16	25.0	78.374203	25.0	184325.0	3.134968	Y
7	IC 480-703408/17	50.0	176.555843	25.0	181429.0	3.531117	Y
8	IC 480-703408/18	100.0	283.679366	25.0	212504.0	2.836794	Y



Calibration / Dibromofluoromethane (Surr)

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

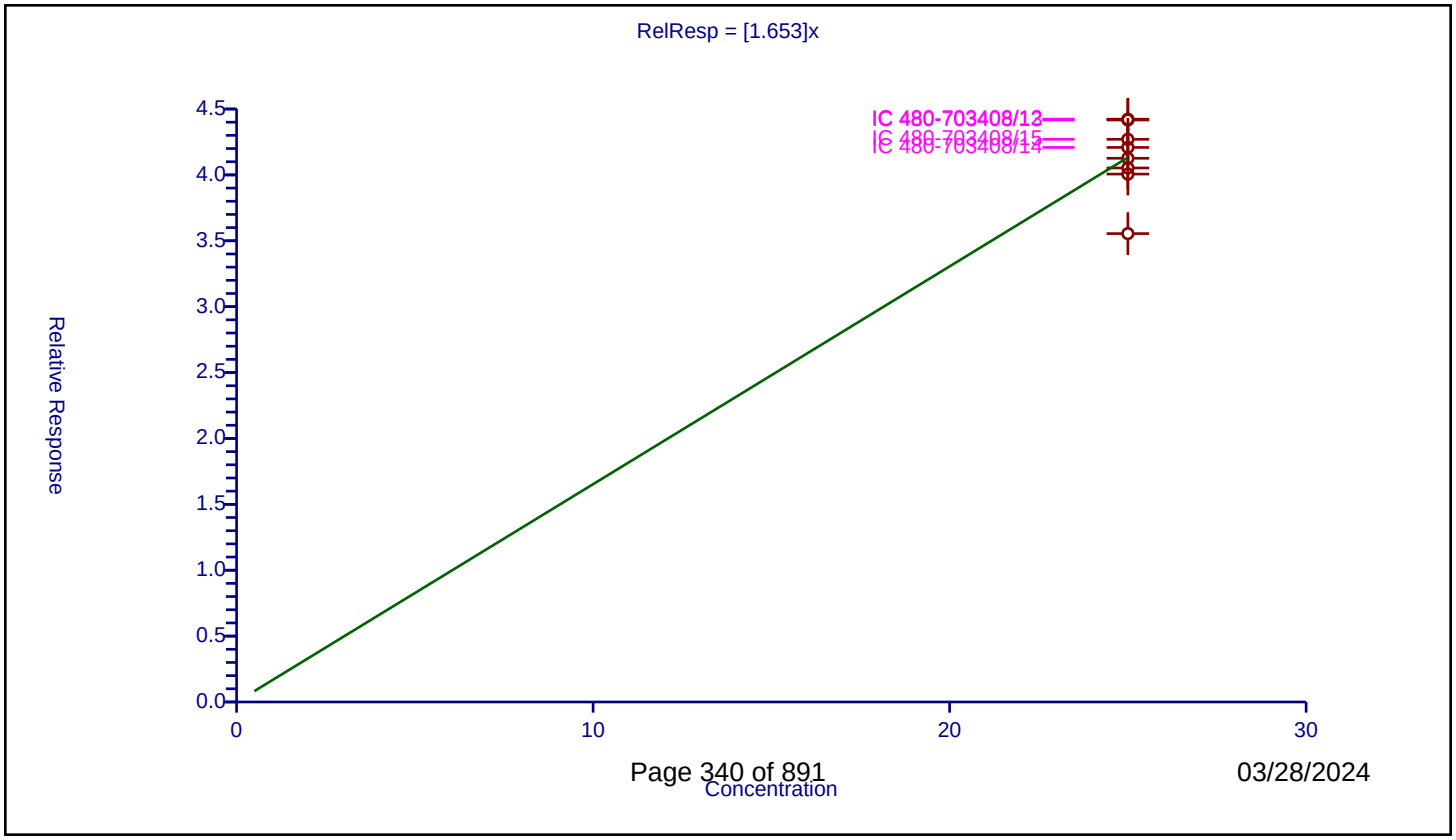
Curve Coefficients

Intercept:	0
Slope:	1.653

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	25.0	41.261941	25.0	166759.0	1.650478	Y
2	IC 480-703408/12	25.0	44.228776	25.0	164038.0	1.769151	Y
3	IC 480-703408/13	25.0	44.165971	25.0	159281.0	1.766639	Y
4	IC 480-703408/14	25.0	42.083294	25.0	168656.0	1.683332	Y
5	IC 480-703408/15	25.0	42.700951	25.0	172156.0	1.708038	Y
6	ICIS 480-703408/16	25.0	40.526244	25.0	184325.0	1.62105	Y
7	IC 480-703408/17	25.0	40.062366	25.0	181429.0	1.602495	Y
8	IC 480-703408/18	25.0	35.545684	25.0	212504.0	1.421827	Y



Calibration / Carbon tetrachloride

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

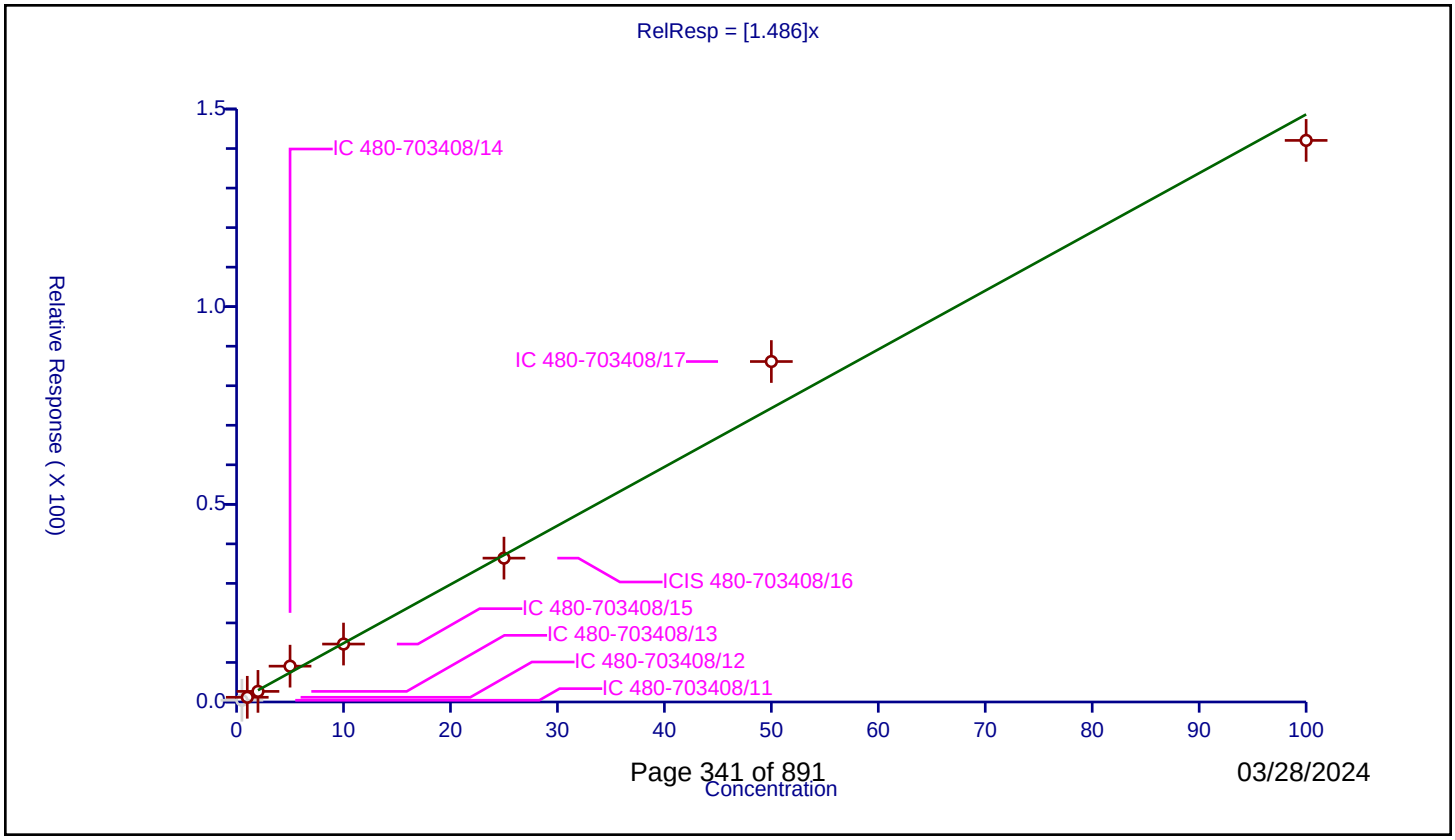
Curve Coefficients

Intercept:	0
Slope:	1.486

Error Coefficients

Relative Standard Deviation:	14.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.440906	25.0	166759.0	0.881811	N
2	IC 480-703408/12	1.0	1.188749	25.0	164038.0	1.188749	Y
3	IC 480-703408/13	2.0	2.679855	25.0	159281.0	1.339928	Y
4	IC 480-703408/14	5.0	9.060306	25.0	168656.0	1.812061	Y
5	IC 480-703408/15	10.0	14.65357	25.0	172156.0	1.465357	Y
6	ICIS 480-703408/16	25.0	36.386681	25.0	184325.0	1.455467	Y
7	IC 480-703408/17	50.0	86.124875	25.0	181429.0	1.722498	Y
8	IC 480-703408/18	100.0	142.058973	25.0	212504.0	1.42059	Y



Calibration / 1,1-Dichloropropene

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

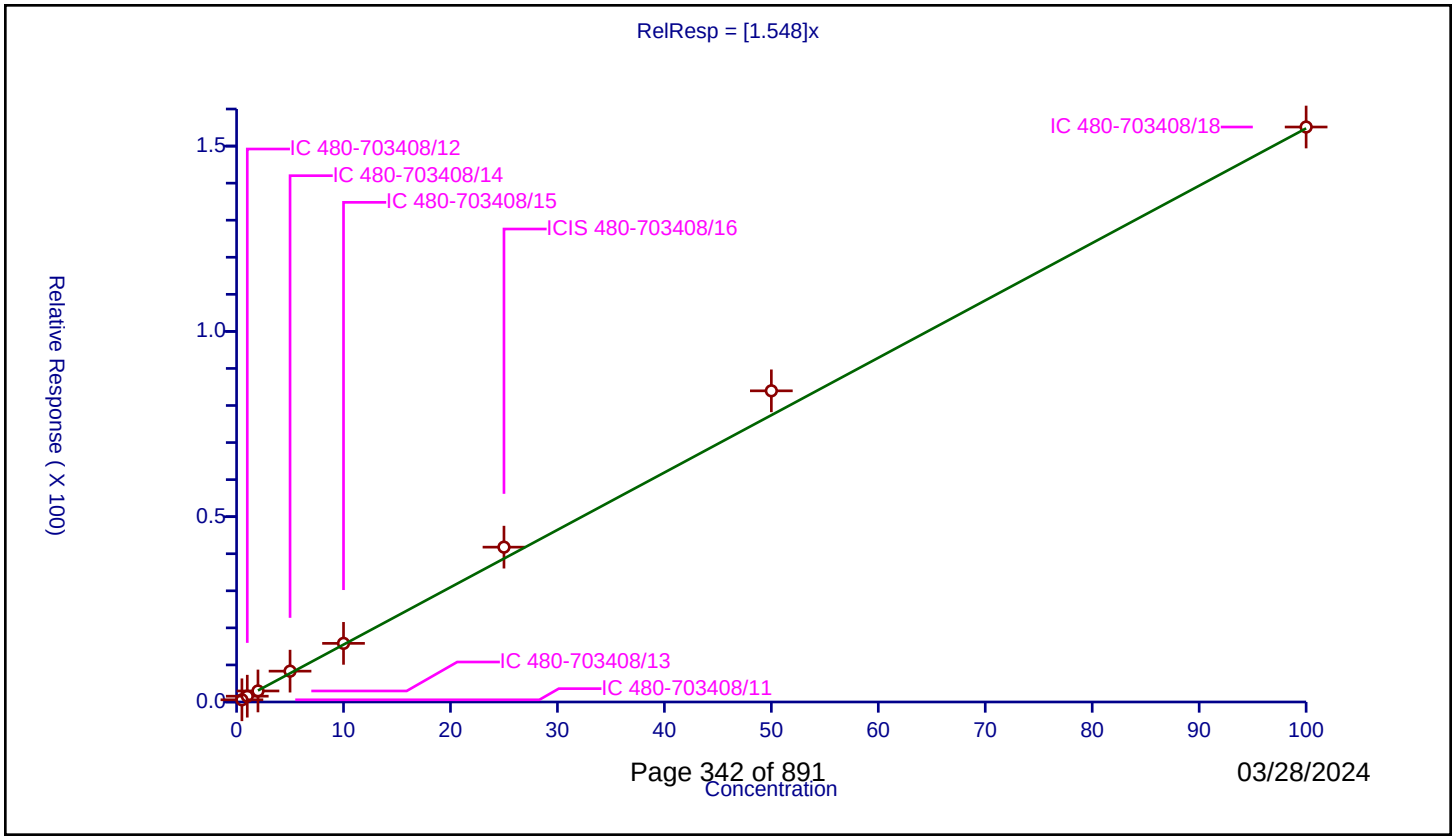
Curve Coefficients

Intercept:	0
Slope:	1.548

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.590973	25.0	166759.0	1.181945	Y
2	IC 480-703408/12	1.0	1.56671	25.0	164038.0	1.56671	Y
3	IC 480-703408/13	2.0	2.97242	25.0	159281.0	1.48621	Y
4	IC 480-703408/14	5.0	8.320338	25.0	168656.0	1.664068	Y
5	IC 480-703408/15	10.0	15.818502	25.0	172156.0	1.58185	Y
6	ICIS 480-703408/16	25.0	41.780686	25.0	184325.0	1.671227	Y
7	IC 480-703408/17	50.0	83.959565	25.0	181429.0	1.679191	Y
8	IC 480-703408/18	100.0	155.144491	25.0	212504.0	1.551445	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

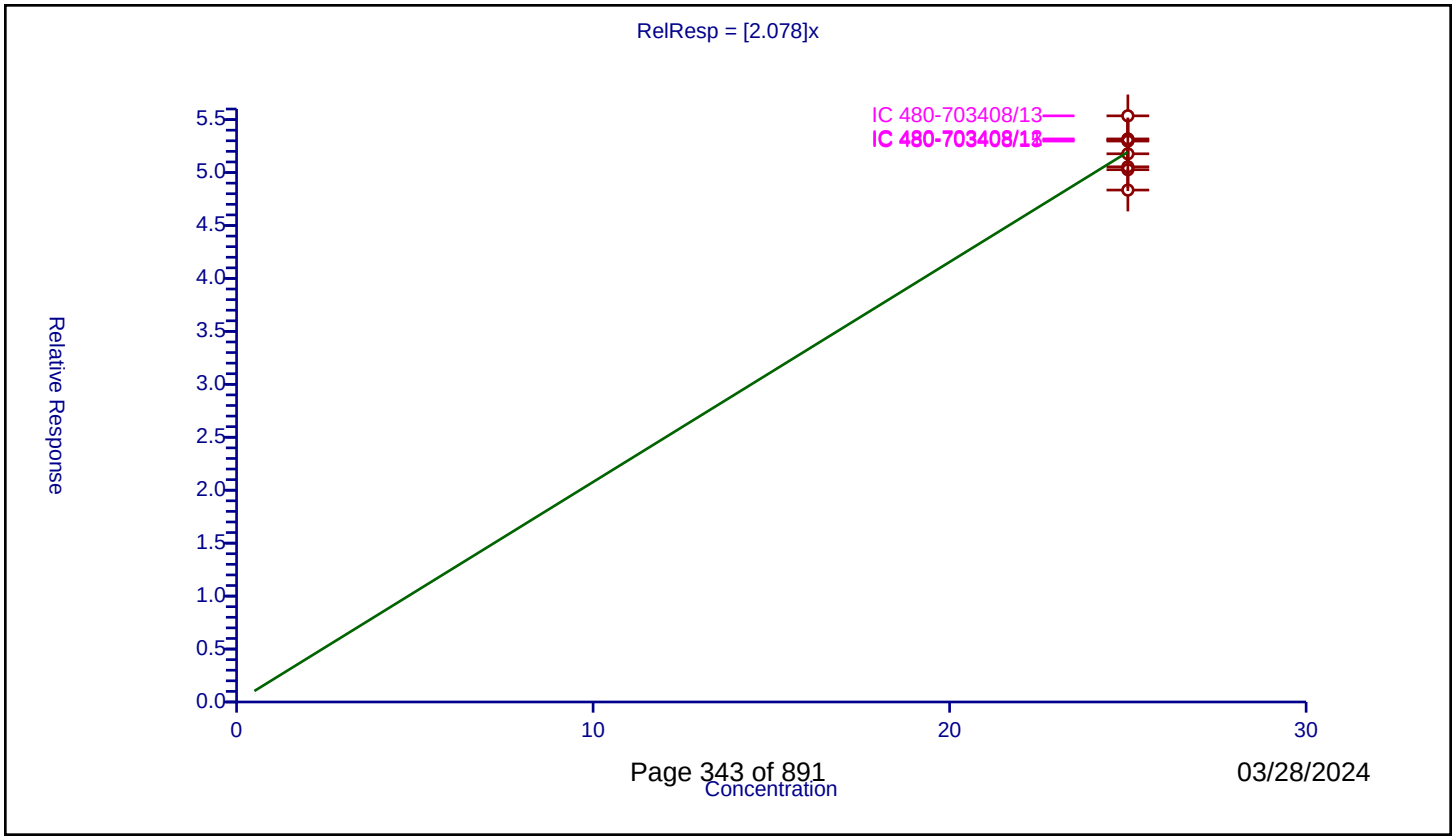
Curve Coefficients

Intercept:	0
Slope:	2.078

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	25.0	53.094736	25.0	166759.0	2.123789	Y
2	IC 480-703408/12	25.0	53.17716	25.0	164038.0	2.127086	Y
3	IC 480-703408/13	25.0	55.354374	25.0	159281.0	2.214175	Y
4	IC 480-703408/14	25.0	50.541932	25.0	168656.0	2.021677	Y
5	IC 480-703408/15	25.0	52.973902	25.0	172156.0	2.118956	Y
6	ICIS 480-703408/16	25.0	51.77065	25.0	184325.0	2.070826	Y
7	IC 480-703408/17	25.0	50.267873	25.0	181429.0	2.010715	Y
8	IC 480-703408/18	25.0	48.345796	25.0	212504.0	1.933832	Y



Calibration / Benzene

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

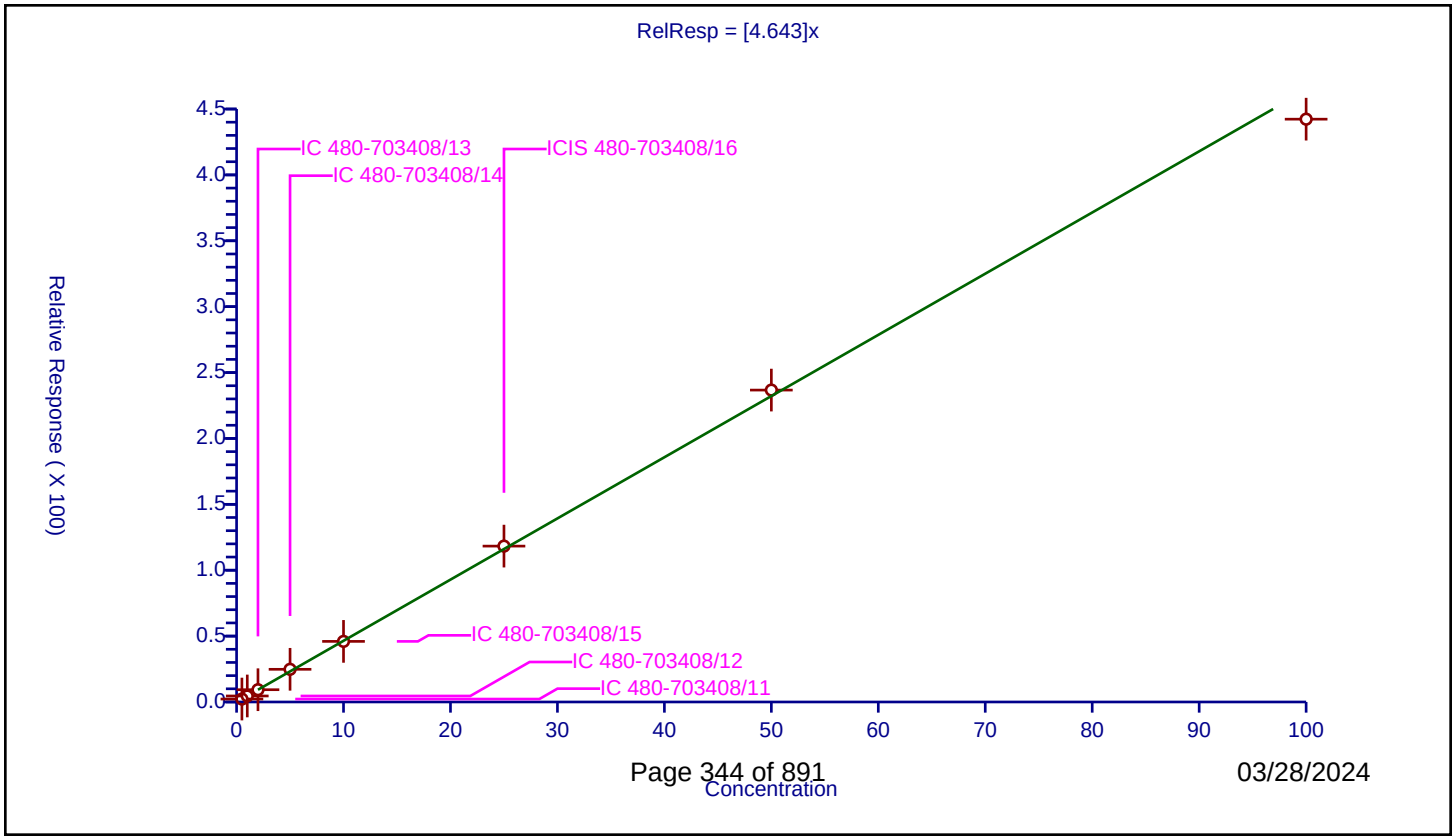
Curve Coefficients

Intercept:	0
Slope:	4.643

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	2.23886	25.0	166759.0	4.477719	Y
2	IC 480-703408/12	1.0	4.563424	25.0	164038.0	4.563424	Y
3	IC 480-703408/13	2.0	9.310746	25.0	159281.0	4.655373	Y
4	IC 480-703408/14	5.0	24.809227	25.0	168656.0	4.961845	Y
5	IC 480-703408/15	10.0	45.985182	25.0	172156.0	4.598518	Y
6	ICIS 480-703408/16	25.0	118.288892	25.0	184325.0	4.731556	Y
7	IC 480-703408/17	50.0	236.708024	25.0	181429.0	4.73416	Y
8	IC 480-703408/18	100.0	442.296616	25.0	212504.0	4.422966	Y



Calibration / Isobutyl alcohol

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

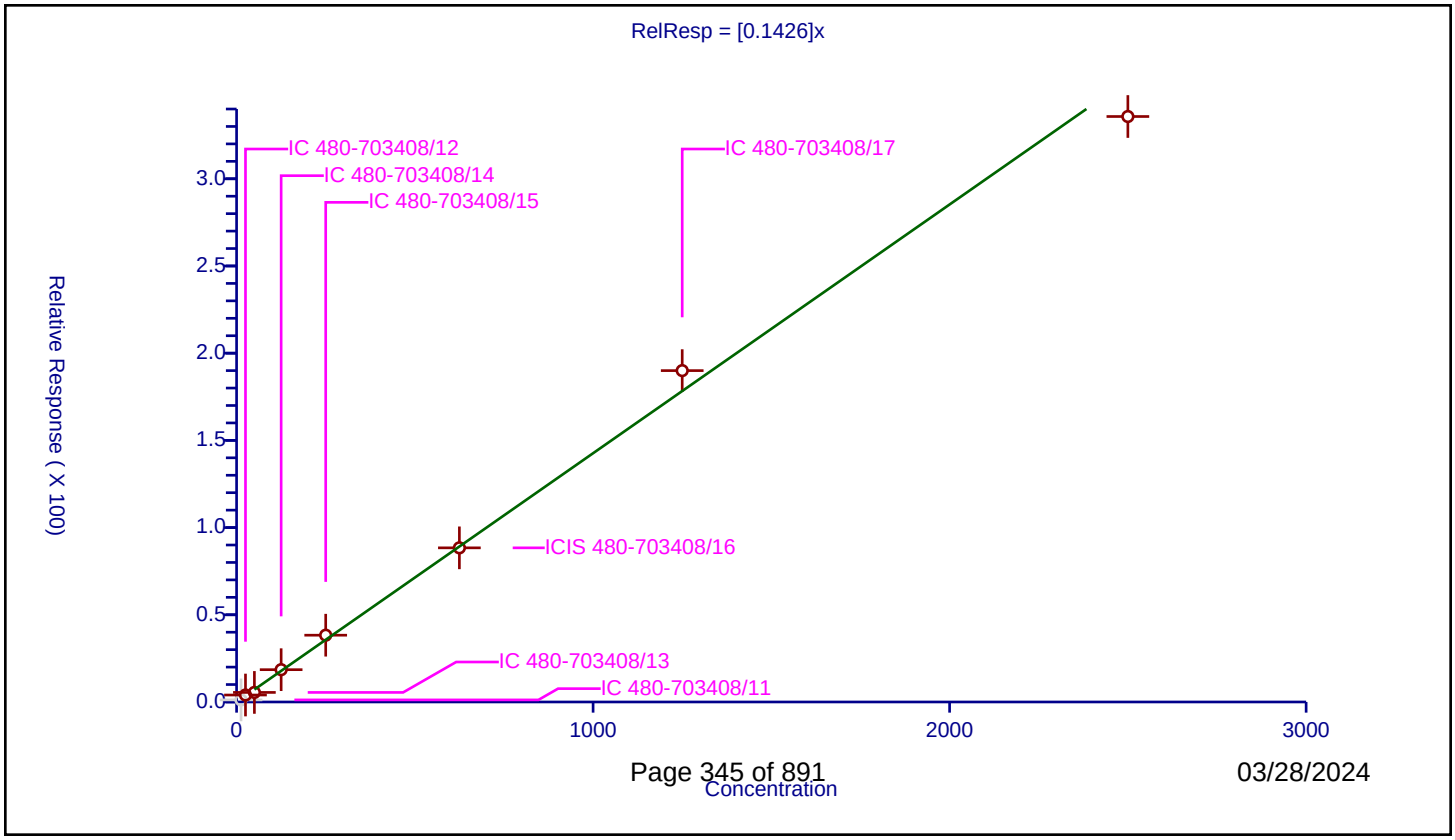
Curve Coefficients

Intercept:	0
Slope:	0.1426

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	12.5	1.203683	25.0	166759.0	0.096295	N
2	IC 480-703408/12	25.0	3.991301	25.0	164038.0	0.159652	Y
3	IC 480-703408/13	50.0	5.484961	25.0	159281.0	0.109699	Y
4	IC 480-703408/14	125.0	18.524096	25.0	168656.0	0.148193	Y
5	IC 480-703408/15	250.0	38.290272	25.0	172156.0	0.153161	Y
6	ICIS 480-703408/16	625.0	88.386546	25.0	184325.0	0.141418	Y
7	IC 480-703408/17	1250.0	190.003665	25.0	181429.0	0.152003	Y
8	IC 480-703408/18	2500.0	335.703563	25.0	212504.0	0.134281	Y



Calibration / 1,2-Dichloroethane

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

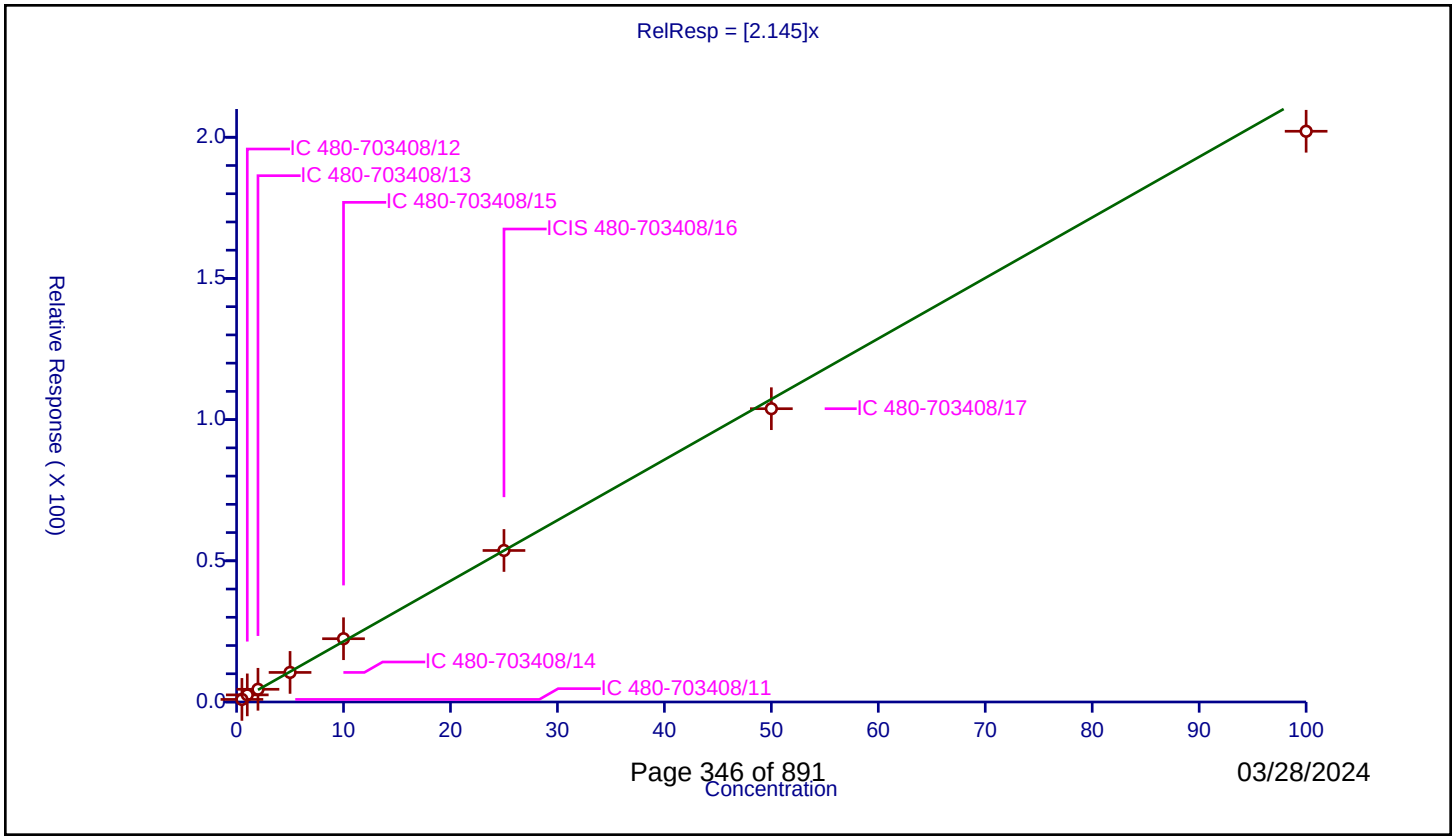
Curve Coefficients

Intercept:	0
Slope:	2.145

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.908197	25.0	166759.0	1.816394	Y
2	IC 480-703408/12	1.0	2.516185	25.0	164038.0	2.516185	Y
3	IC 480-703408/13	2.0	4.495357	25.0	159281.0	2.247679	Y
4	IC 480-703408/14	5.0	10.47087	25.0	168656.0	2.094174	Y
5	IC 480-703408/15	10.0	22.407003	25.0	172156.0	2.2407	Y
6	ICIS 480-703408/16	25.0	53.654686	25.0	184325.0	2.146187	Y
7	IC 480-703408/17	50.0	103.871487	25.0	181429.0	2.07743	Y
8	IC 480-703408/18	100.0	202.11996	25.0	212504.0	2.0212	Y



Calibration / n-Heptane

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

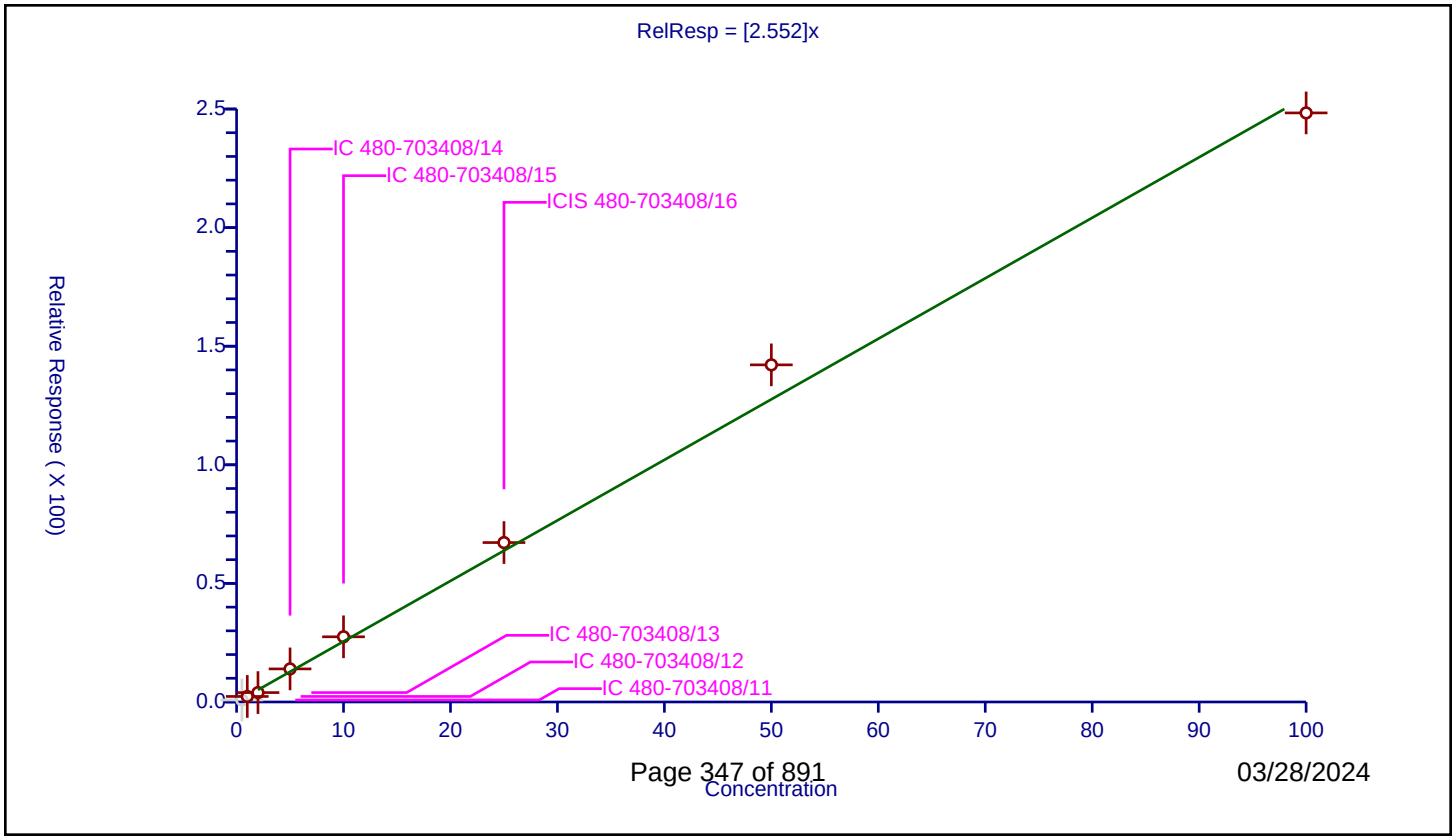
Curve Coefficients

Intercept:	0
Slope:	2.552

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.843283	25.0	166759.0	1.686566	N
2	IC 480-703408/12	1.0	2.327967	25.0	164038.0	2.327967	Y
3	IC 480-703408/13	2.0	3.967046	25.0	159281.0	1.983523	Y
4	IC 480-703408/14	5.0	13.945694	25.0	168656.0	2.789139	Y
5	IC 480-703408/15	10.0	27.481035	25.0	172156.0	2.748103	Y
6	ICIS 480-703408/16	25.0	67.213482	25.0	184325.0	2.688539	Y
7	IC 480-703408/17	50.0	142.134664	25.0	181429.0	2.842693	Y
8	IC 480-703408/18	100.0	248.356266	25.0	212504.0	2.483563	Y



Calibration / Trichloroethene

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

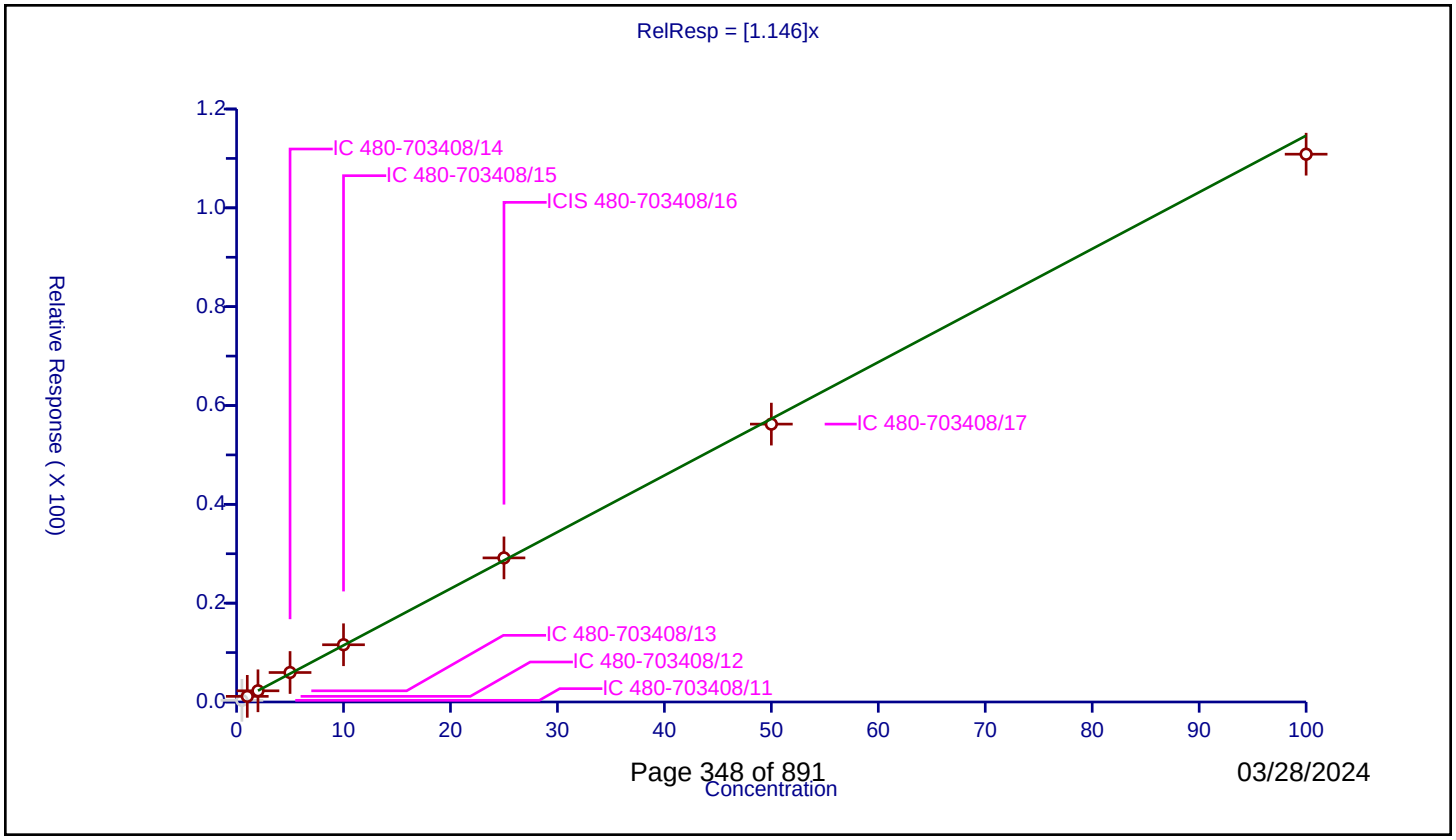
Curve Coefficients

Intercept:	0
Slope:	1.146

Error Coefficients

Relative Standard Deviation:	2.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.335814	25.0	166759.0	0.671628	N
2	IC 480-703408/12	1.0	1.141504	25.0	164038.0	1.141504	Y
3	IC 480-703408/13	2.0	2.261255	25.0	159281.0	1.130628	Y
4	IC 480-703408/14	5.0	5.965545	25.0	168656.0	1.193109	Y
5	IC 480-703408/15	10.0	11.583244	25.0	172156.0	1.158324	Y
6	ICIS 480-703408/16	25.0	29.158416	25.0	184325.0	1.166337	Y
7	IC 480-703408/17	50.0	56.236737	25.0	181429.0	1.124735	Y
8	IC 480-703408/18	100.0	110.860384	25.0	212504.0	1.108604	Y



Calibration / Methylcyclohexane

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

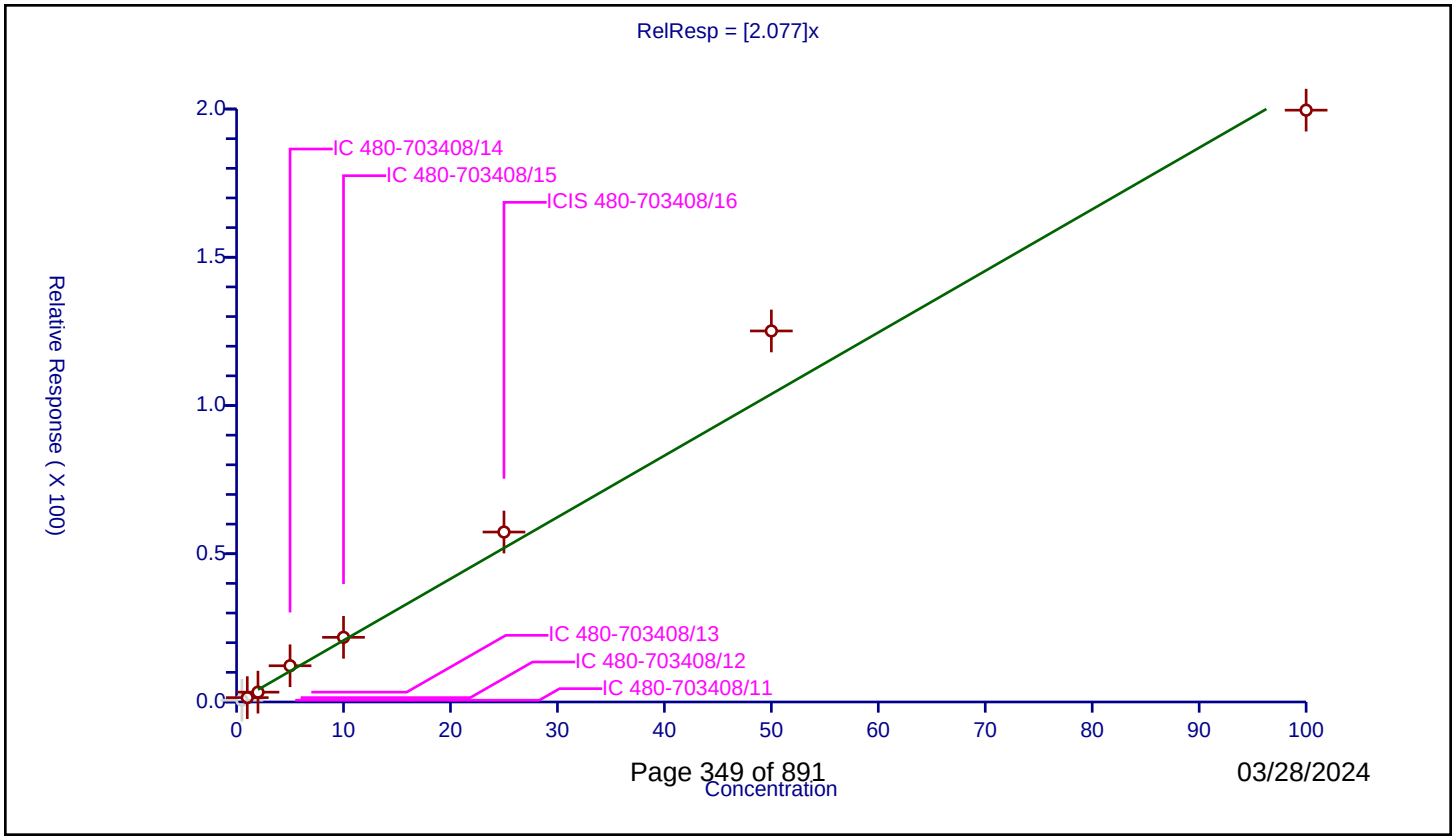
Curve Coefficients

Intercept:	0
Slope:	2.077

Error Coefficients

Relative Standard Deviation:	18.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.588274	25.0	166759.0	1.176548	N
2	IC 480-703408/12	1.0	1.468105	25.0	164038.0	1.468105	Y
3	IC 480-703408/13	2.0	3.310659	25.0	159281.0	1.655329	Y
4	IC 480-703408/14	5.0	12.219992	25.0	168656.0	2.443998	Y
5	IC 480-703408/15	10.0	21.804933	25.0	172156.0	2.180493	Y
6	ICIS 480-703408/16	25.0	57.320901	25.0	184325.0	2.292836	Y
7	IC 480-703408/17	50.0	125.137106	25.0	181429.0	2.502742	Y
8	IC 480-703408/18	100.0	199.613301	25.0	212504.0	1.996133	Y



Calibration / 1,2-Dichloropropane

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

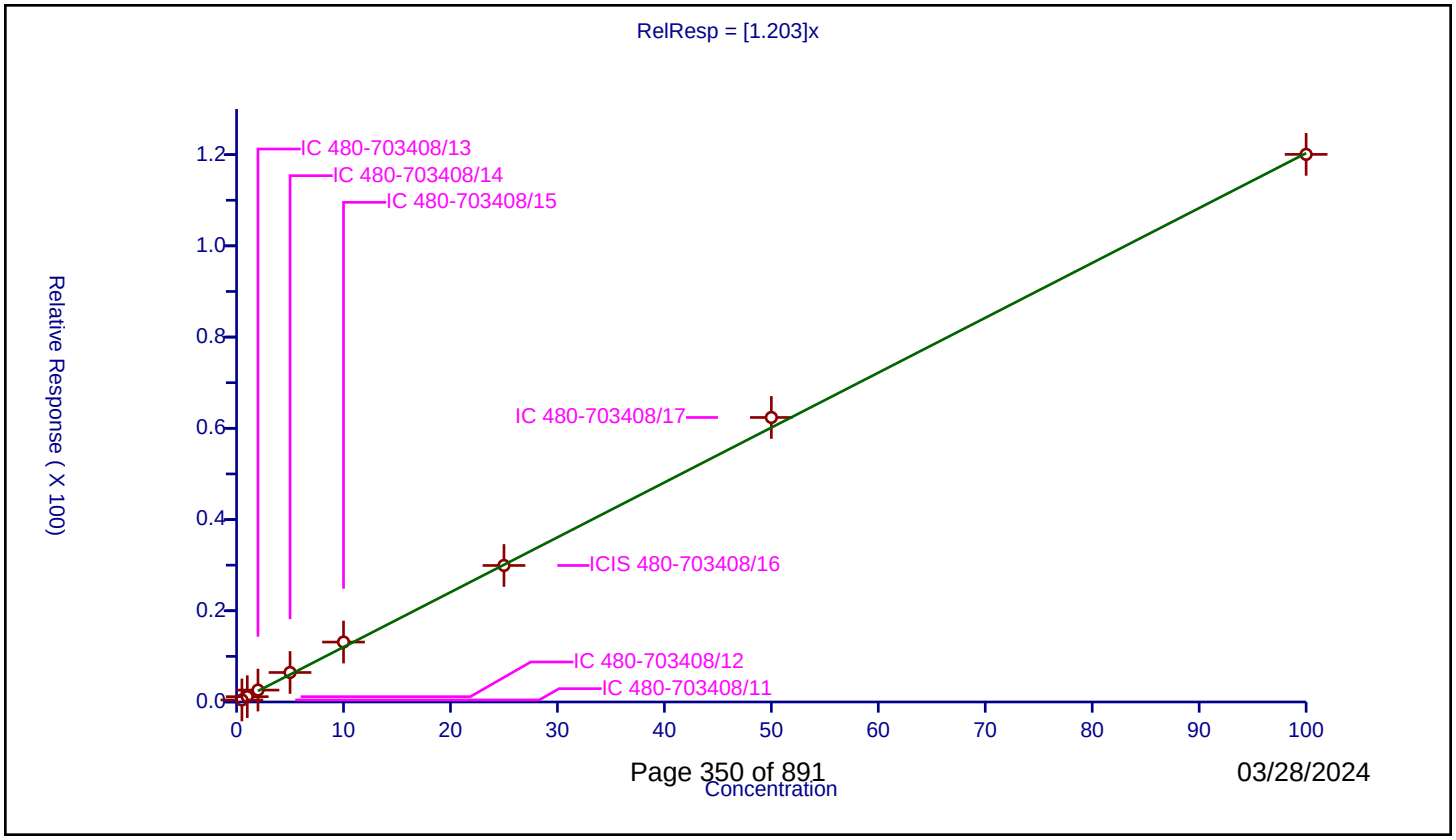
Curve Coefficients

Intercept:	0
Slope:	1.203

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.449901	25.0	166759.0	0.899802	Y
2	IC 480-703408/12	1.0	1.169089	25.0	164038.0	1.169089	Y
3	IC 480-703408/13	2.0	2.607499	25.0	159281.0	1.303749	Y
4	IC 480-703408/14	5.0	6.466565	25.0	168656.0	1.293313	Y
5	IC 480-703408/15	10.0	13.140553	25.0	172156.0	1.314055	Y
6	ICIS 480-703408/16	25.0	29.927845	25.0	184325.0	1.197114	Y
7	IC 480-703408/17	50.0	62.377294	25.0	181429.0	1.247546	Y
8	IC 480-703408/18	100.0	120.05574	25.0	212504.0	1.200557	Y



Calibration / Dibromomethane

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

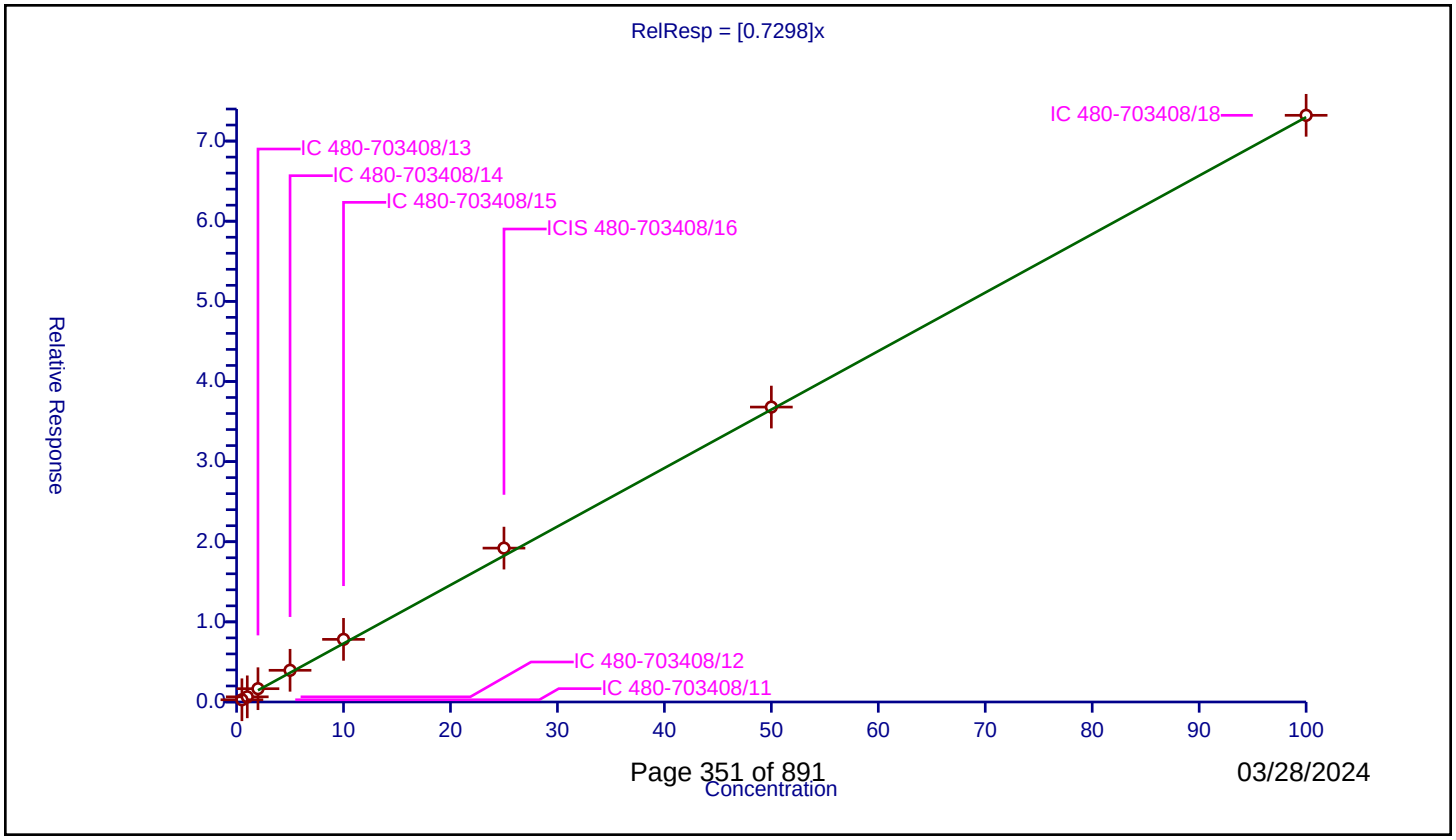
Curve Coefficients

Intercept:	0
Slope:	0.7298

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.277496	25.0	166759.0	0.554993	Y
2	IC 480-703408/12	1.0	0.64482	25.0	164038.0	0.64482	Y
3	IC 480-703408/13	2.0	1.659959	25.0	159281.0	0.82998	Y
4	IC 480-703408/14	5.0	3.95361	25.0	168656.0	0.790722	Y
5	IC 480-703408/15	10.0	7.815441	25.0	172156.0	0.781544	Y
6	ICIS 480-703408/16	25.0	19.202089	25.0	184325.0	0.768084	Y
7	IC 480-703408/17	50.0	36.805307	25.0	181429.0	0.736106	Y
8	IC 480-703408/18	100.0	73.215916	25.0	212504.0	0.732159	Y



Calibration / 1,4-Dioxane

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

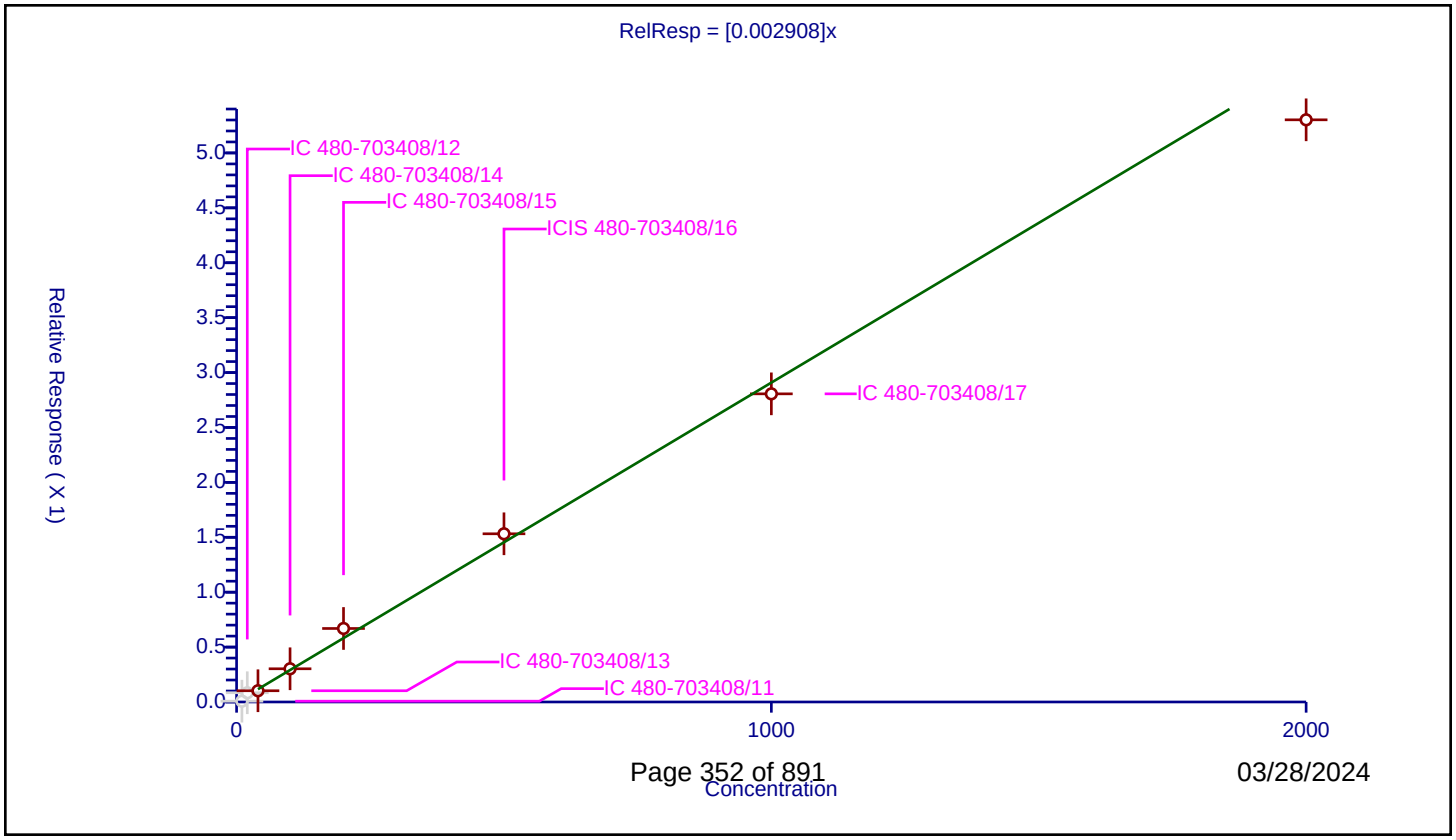
Curve Coefficients

Intercept:	0
Slope:	0.002908

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	10.0	0.007417	25.0	599937.0	0.000742	N
2	IC 480-703408/12	20.0	0.084023	25.0	596267.0	0.004201	N
3	IC 480-703408/13	40.0	0.102338	25.0	568706.0	0.002558	Y
4	IC 480-703408/14	100.0	0.302349	25.0	593684.0	0.003023	Y
5	IC 480-703408/15	200.0	0.669503	25.0	633418.0	0.003348	Y
6	ICIS 480-703408/16	500.0	1.53174	25.0	631357.0	0.003063	Y
7	IC 480-703408/17	1000.0	2.806112	25.0	646553.0	0.002806	Y
8	IC 480-703408/18	2000.0	5.301574	25.0	753446.0	0.002651	Y



Calibration / Dichlorobromomethane

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

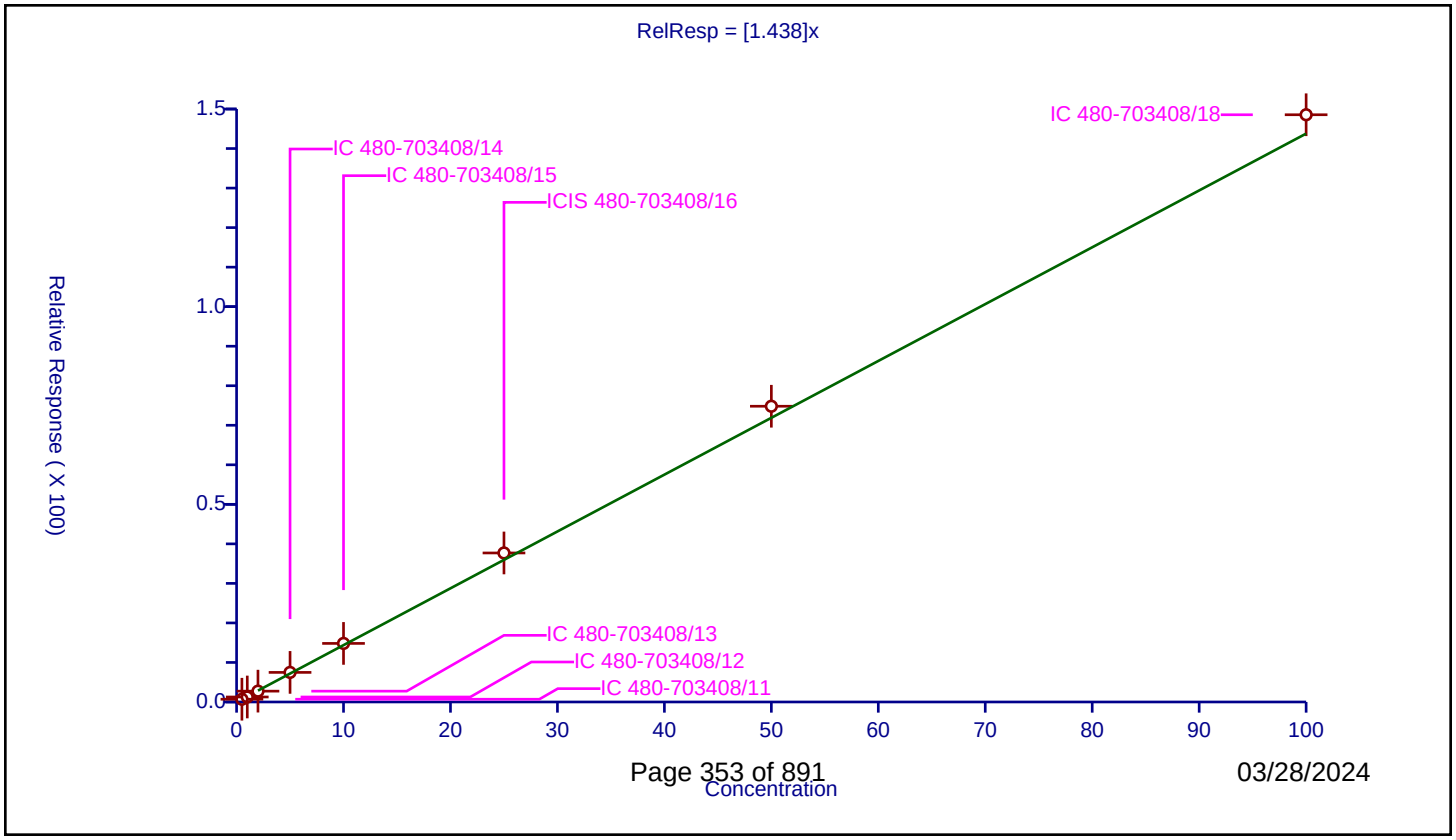
Curve Coefficients

Intercept:	0
Slope:	1.438

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.699662	25.0	166759.0	1.399325	Y
2	IC 480-703408/12	1.0	1.263732	25.0	164038.0	1.263732	Y
3	IC 480-703408/13	2.0	2.741852	25.0	159281.0	1.370926	Y
4	IC 480-703408/14	5.0	7.481353	25.0	168656.0	1.496271	Y
5	IC 480-703408/15	10.0	14.819844	25.0	172156.0	1.481984	Y
6	ICIS 480-703408/16	25.0	37.696867	25.0	184325.0	1.507875	Y
7	IC 480-703408/17	50.0	74.814252	25.0	181429.0	1.496285	Y
8	IC 480-703408/18	100.0	148.547792	25.0	212504.0	1.485478	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

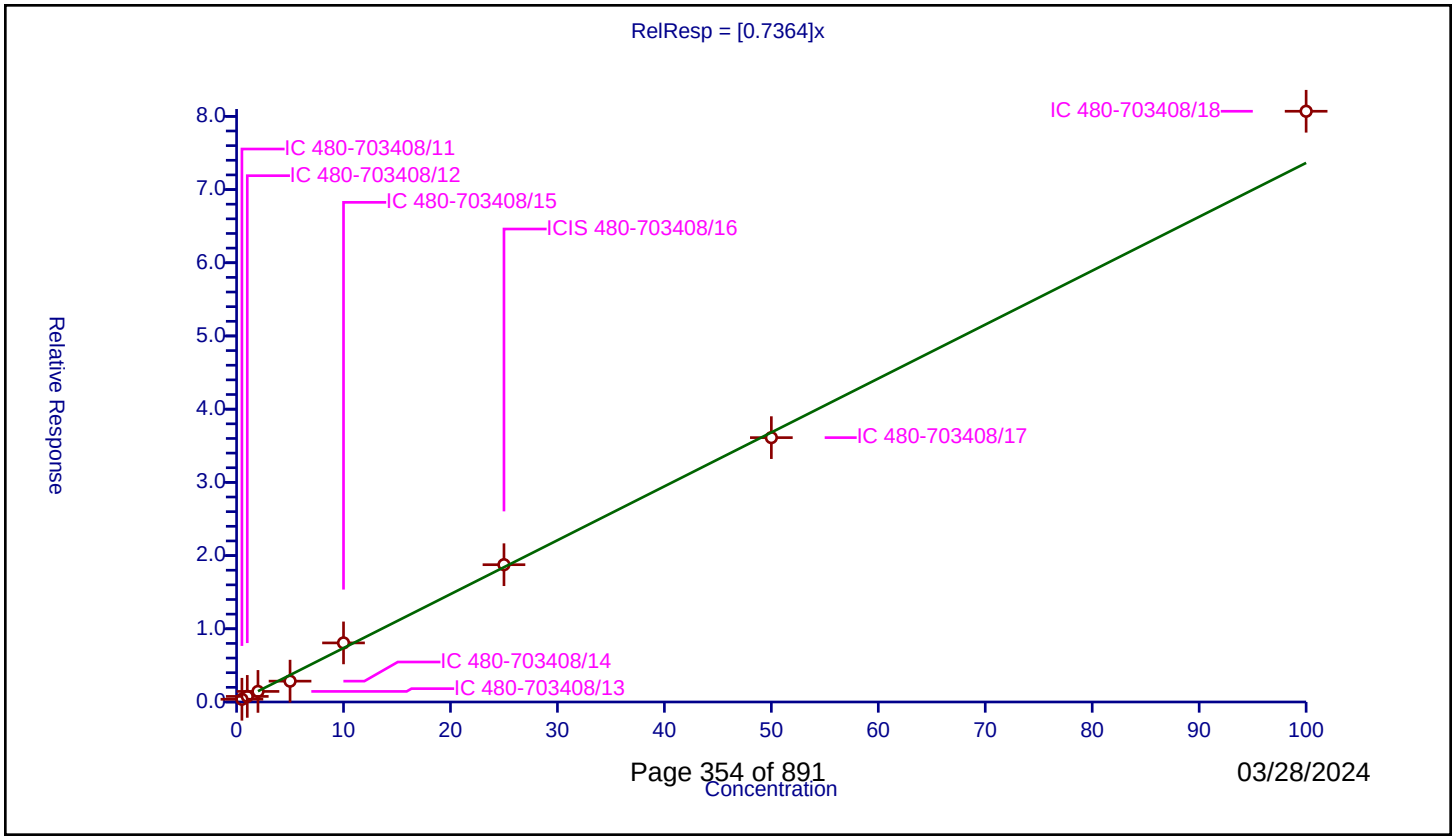
Curve Coefficients

Intercept:	0
Slope:	0.7364

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.374642	25.0	166759.0	0.749285	Y
2	IC 480-703408/12	1.0	0.764305	25.0	164038.0	0.764305	Y
3	IC 480-703408/13	2.0	1.443989	25.0	159281.0	0.721994	Y
4	IC 480-703408/14	5.0	2.847067	25.0	168656.0	0.569413	Y
5	IC 480-703408/15	10.0	8.068699	25.0	172156.0	0.80687	Y
6	ICIS 480-703408/16	25.0	18.755459	25.0	184325.0	0.750218	Y
7	IC 480-703408/17	50.0	36.109993	25.0	181429.0	0.7222	Y
8	IC 480-703408/18	100.0	80.694716	25.0	212504.0	0.806947	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

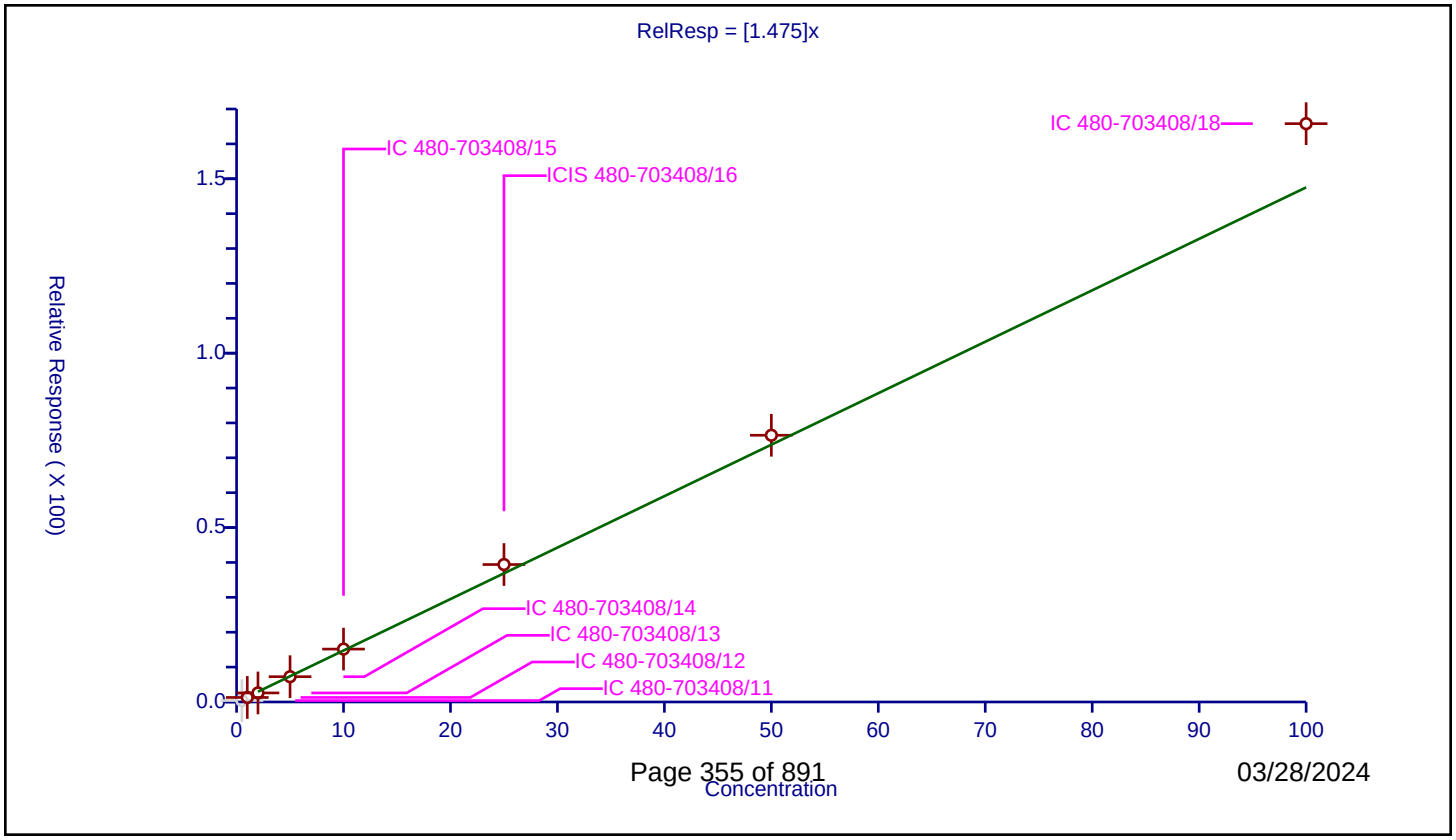
Curve Coefficients

Intercept:	0
Slope:	1.475

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.405226	25.0	166759.0	0.810451	N
2	IC 480-703408/12	1.0	1.297718	25.0	164038.0	1.297718	Y
3	IC 480-703408/13	2.0	2.596512	25.0	159281.0	1.298256	Y
4	IC 480-703408/14	5.0	7.254263	25.0	168656.0	1.450853	Y
5	IC 480-703408/15	10.0	15.166332	25.0	172156.0	1.516633	Y
6	ICIS 480-703408/16	25.0	39.405805	25.0	184325.0	1.576232	Y
7	IC 480-703408/17	50.0	76.468756	25.0	181429.0	1.529375	Y
8	IC 480-703408/18	100.0	165.803938	25.0	212504.0	1.658039	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

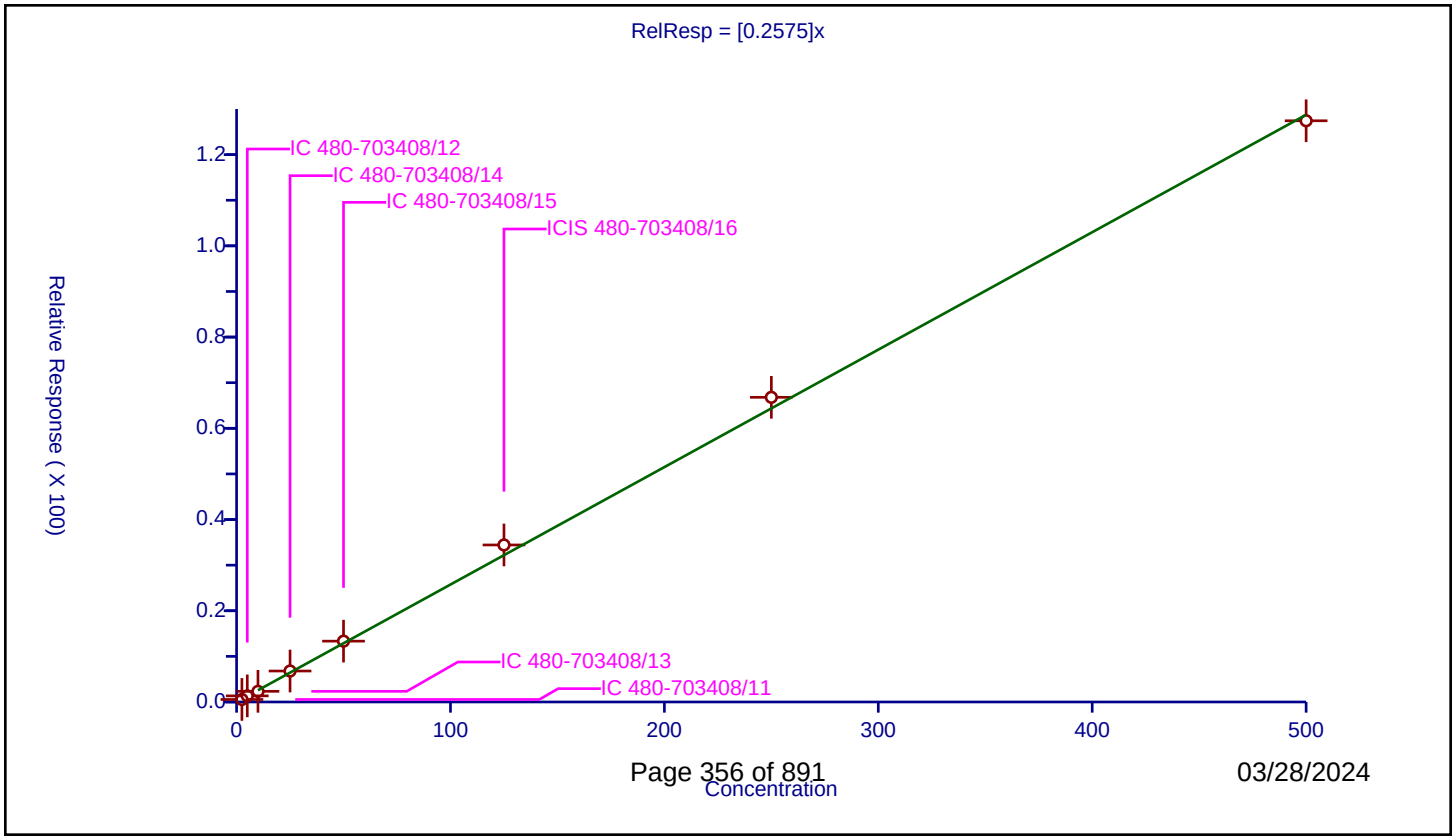
Curve Coefficients

Intercept:	0
Slope:	0.2575

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	2.5	0.554975	25.0	599937.0	0.22199	Y
2	IC 480-703408/12	5.0	1.342687	25.0	596267.0	0.268537	Y
3	IC 480-703408/13	10.0	2.33451	25.0	568706.0	0.233451	Y
4	IC 480-703408/14	25.0	6.790271	25.0	593684.0	0.271611	Y
5	IC 480-703408/15	50.0	13.337993	25.0	633418.0	0.26676	Y
6	ICIS 480-703408/16	125.0	34.425531	25.0	631357.0	0.275404	Y
7	IC 480-703408/17	250.0	66.796844	25.0	646553.0	0.267187	Y
8	IC 480-703408/18	500.0	127.422171	25.0	753446.0	0.254844	Y



Calibration / Toluene-d8 (Surr)

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

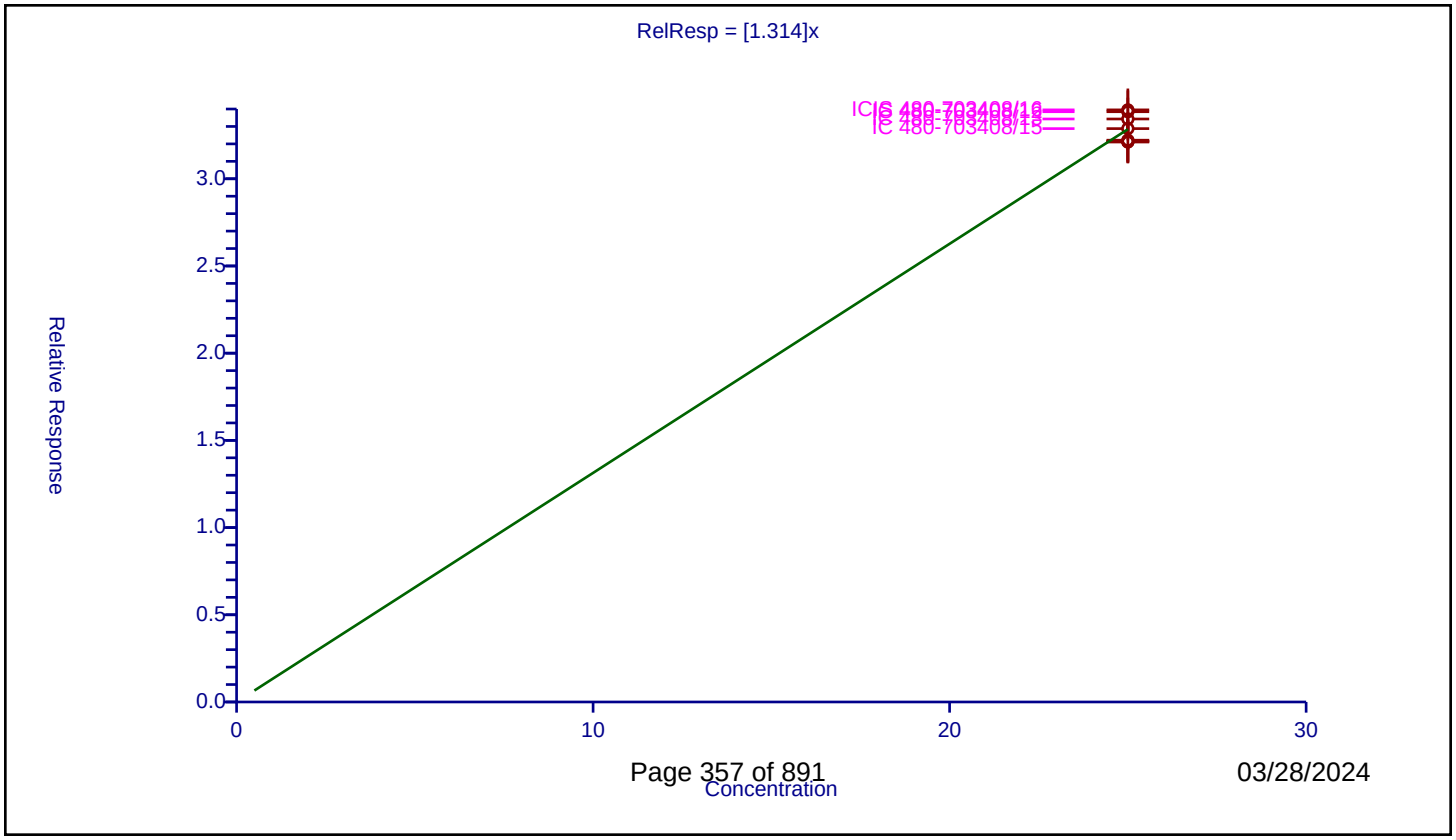
Curve Coefficients

Intercept:	0
Slope:	1.314

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	25.0	32.106413	25.0	599937.0	1.284257	Y
2	IC 480-703408/12	25.0	33.844444	25.0	596267.0	1.353778	Y
3	IC 480-703408/13	25.0	33.427421	25.0	568706.0	1.337097	Y
4	IC 480-703408/14	25.0	32.135698	25.0	593684.0	1.285428	Y
5	IC 480-703408/15	25.0	32.875842	25.0	633418.0	1.315034	Y
6	ICIS 480-703408/16	25.0	33.950364	25.0	631357.0	1.358015	Y
7	IC 480-703408/17	25.0	32.162677	25.0	646553.0	1.286507	Y
8	IC 480-703408/18	25.0	32.212627	25.0	753446.0	1.288505	Y



Calibration / Toluene

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

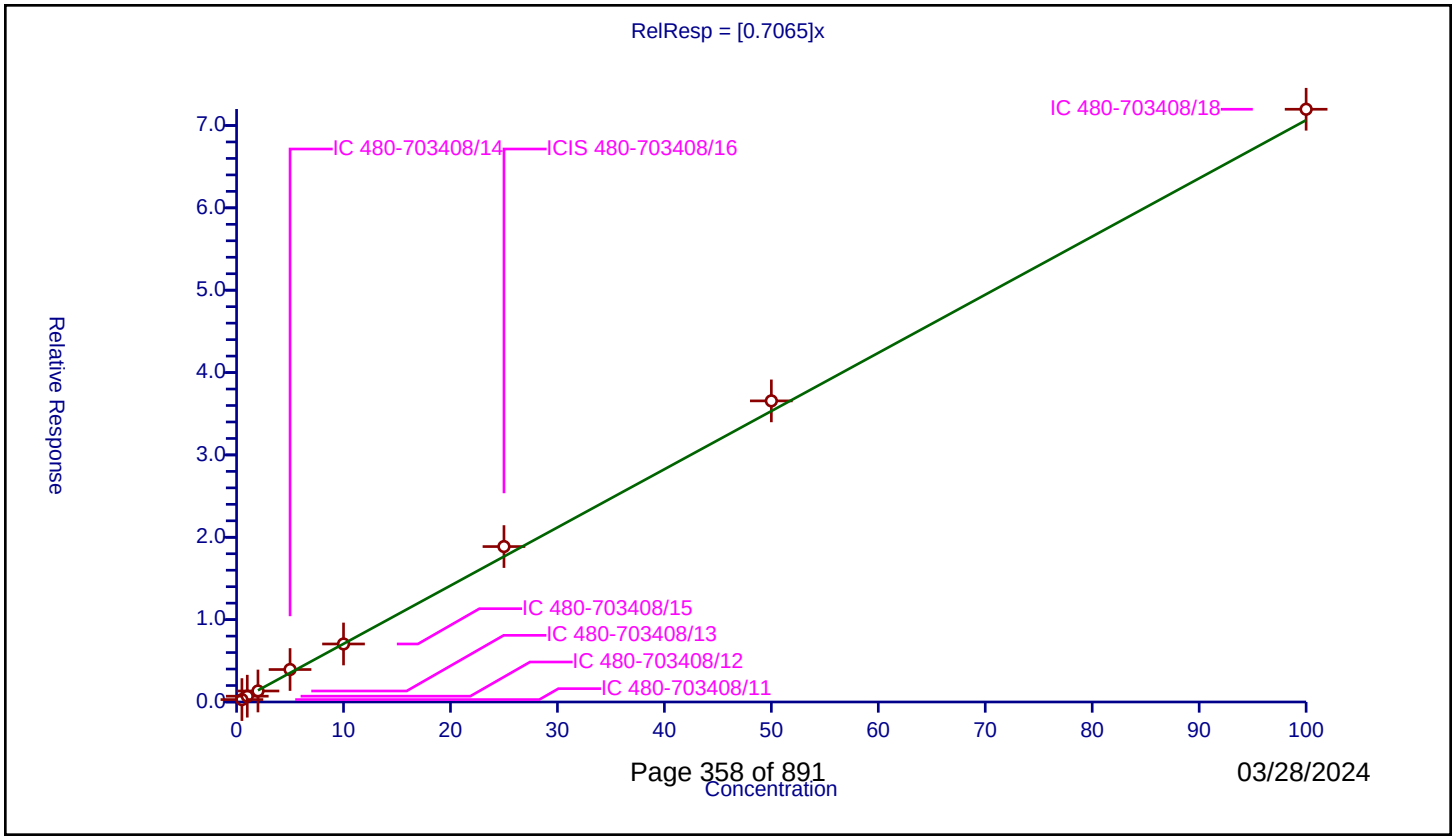
Curve Coefficients

Intercept:	0
Slope:	0.7065

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.291406	25.0	599937.0	0.582811	Y
2	IC 480-703408/12	1.0	0.702705	25.0	596267.0	0.702705	Y
3	IC 480-703408/13	2.0	1.334829	25.0	568706.0	0.667414	Y
4	IC 480-703408/14	5.0	3.94347	25.0	593684.0	0.788694	Y
5	IC 480-703408/15	10.0	7.045308	25.0	633418.0	0.704531	Y
6	ICIS 480-703408/16	25.0	18.872207	25.0	631357.0	0.754888	Y
7	IC 480-703408/17	50.0	36.561852	25.0	646553.0	0.731237	Y
8	IC 480-703408/18	100.0	71.970519	25.0	753446.0	0.719705	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

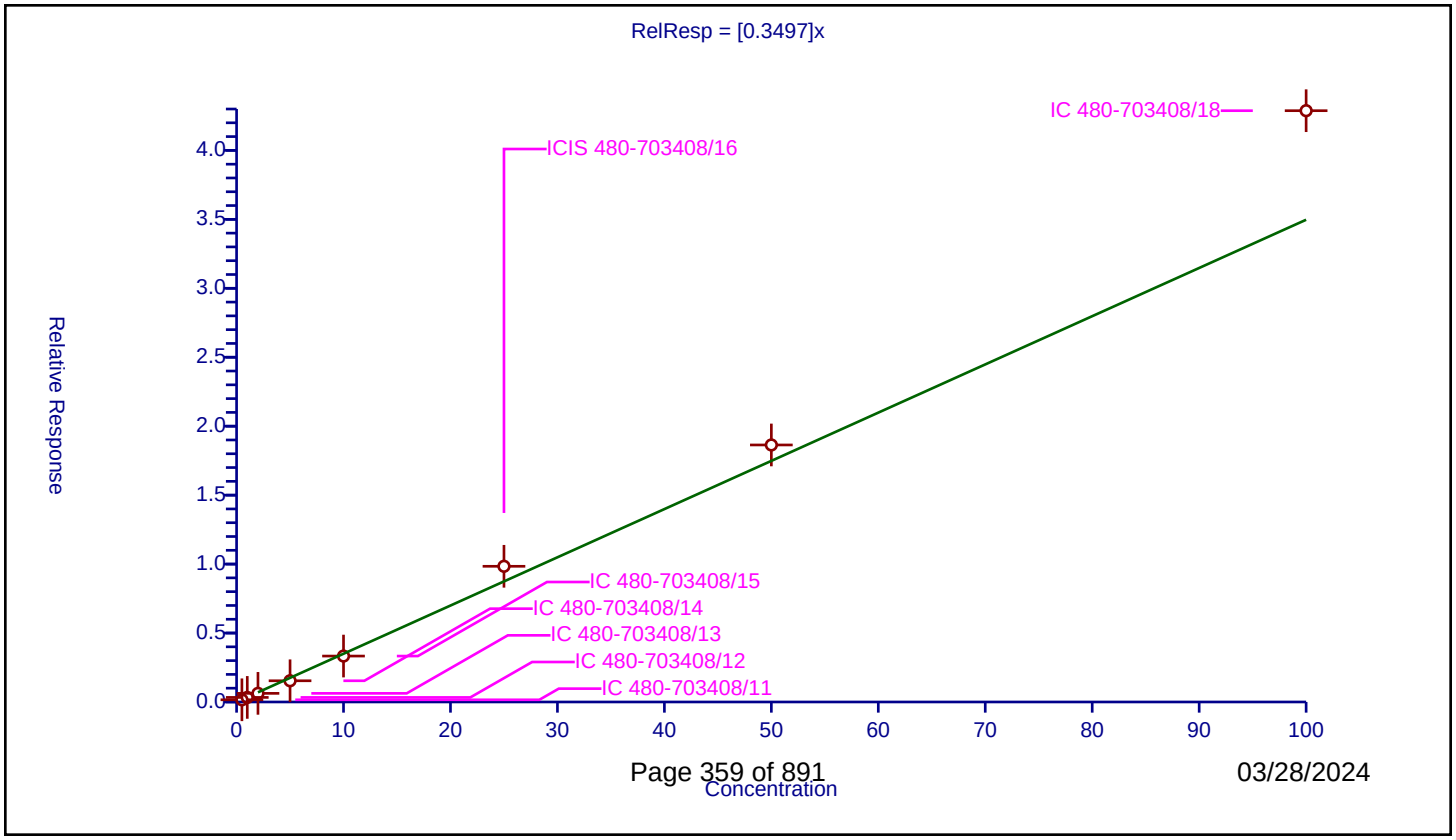
Curve Coefficients

Intercept:	0
Slope:	0.3497

Error Coefficients

Relative Standard Deviation:	12.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.158975	25.0	599937.0	0.31795	Y
2	IC 480-703408/12	1.0	0.330892	25.0	596267.0	0.330892	Y
3	IC 480-703408/13	2.0	0.625279	25.0	568706.0	0.31264	Y
4	IC 480-703408/14	5.0	1.539034	25.0	593684.0	0.307807	Y
5	IC 480-703408/15	10.0	3.331252	25.0	633418.0	0.333125	Y
6	ICIS 480-703408/16	25.0	9.840708	25.0	631357.0	0.393628	Y
7	IC 480-703408/17	50.0	18.638573	25.0	646553.0	0.372771	Y
8	IC 480-703408/18	100.0	42.878687	25.0	753446.0	0.428787	Y



Calibration / Ethyl methacrylate

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

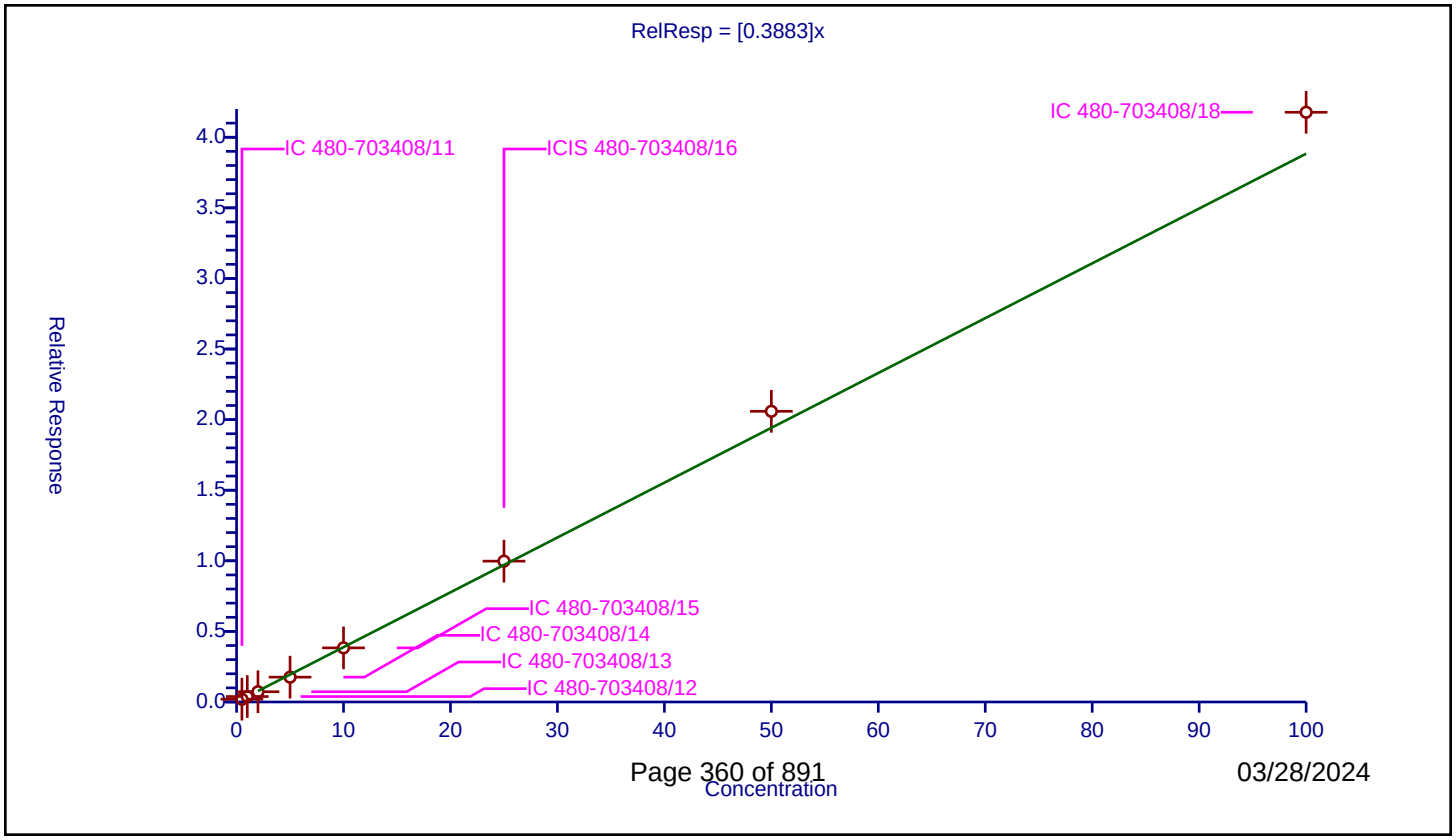
Curve Coefficients

Intercept:	0
Slope:	0.3883

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.196812	25.0	599937.0	0.393625	Y
2	IC 480-703408/12	1.0	0.386362	25.0	596267.0	0.386362	Y
3	IC 480-703408/13	2.0	0.72643	25.0	568706.0	0.363215	Y
4	IC 480-703408/14	5.0	1.758974	25.0	593684.0	0.351795	Y
5	IC 480-703408/15	10.0	3.832422	25.0	633418.0	0.383242	Y
6	ICIS 480-703408/16	25.0	9.975933	25.0	631357.0	0.399037	Y
7	IC 480-703408/17	50.0	20.588761	25.0	646553.0	0.411775	Y
8	IC 480-703408/18	100.0	41.77018	25.0	753446.0	0.417702	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

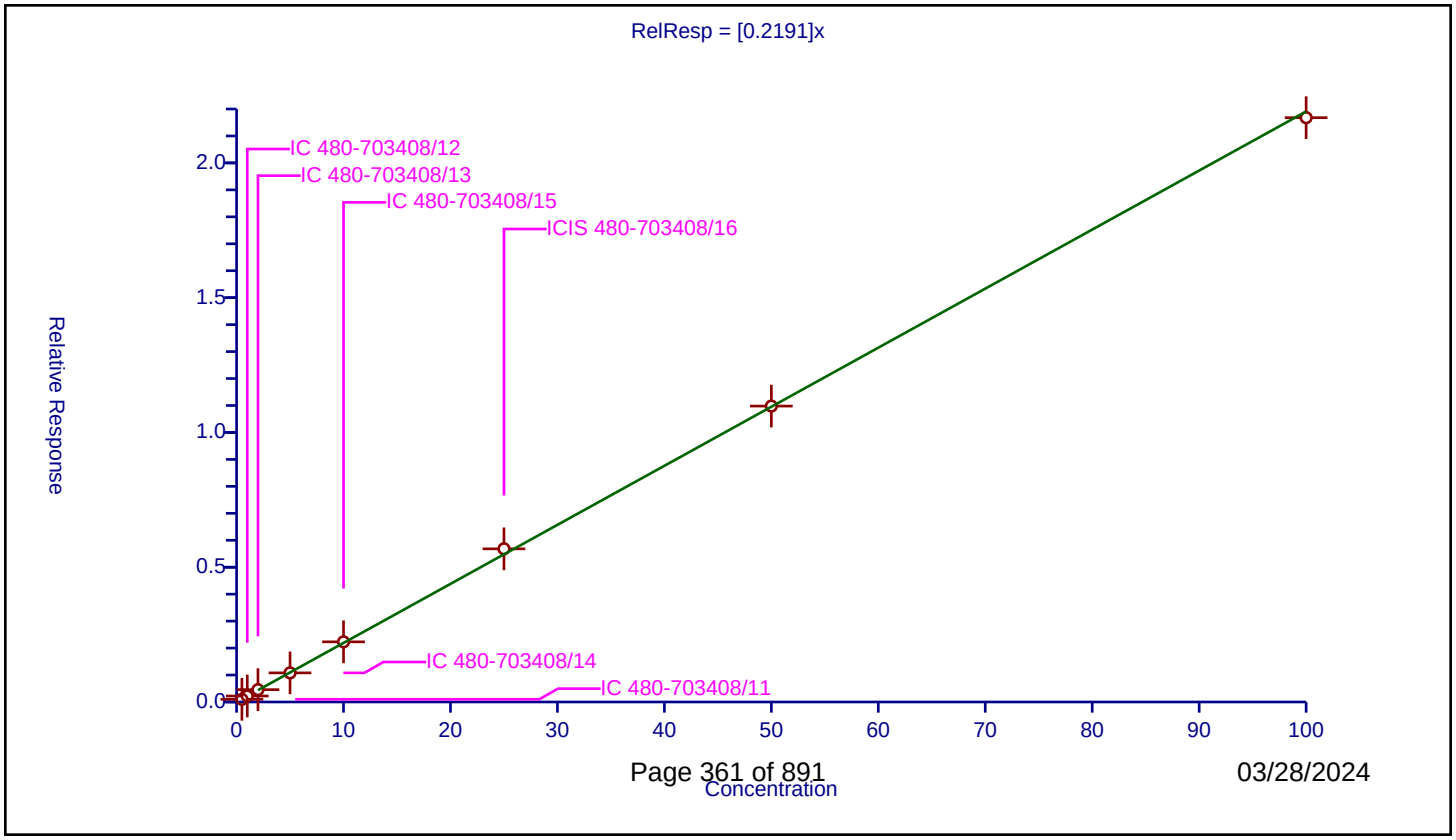
Curve Coefficients

Intercept:	0
Slope:	0.2191

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.099552	25.0	599937.0	0.199104	Y
2	IC 480-703408/12	1.0	0.221755	25.0	596267.0	0.221755	Y
3	IC 480-703408/13	2.0	0.458013	25.0	568706.0	0.229007	Y
4	IC 480-703408/14	5.0	1.079615	25.0	593684.0	0.215923	Y
5	IC 480-703408/15	10.0	2.231504	25.0	633418.0	0.22315	Y
6	ICIS 480-703408/16	25.0	5.681968	25.0	631357.0	0.227279	Y
7	IC 480-703408/17	50.0	10.978373	25.0	646553.0	0.219567	Y
8	IC 480-703408/18	100.0	21.678893	25.0	753446.0	0.216789	Y



Calibration / Tetrachloroethene

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

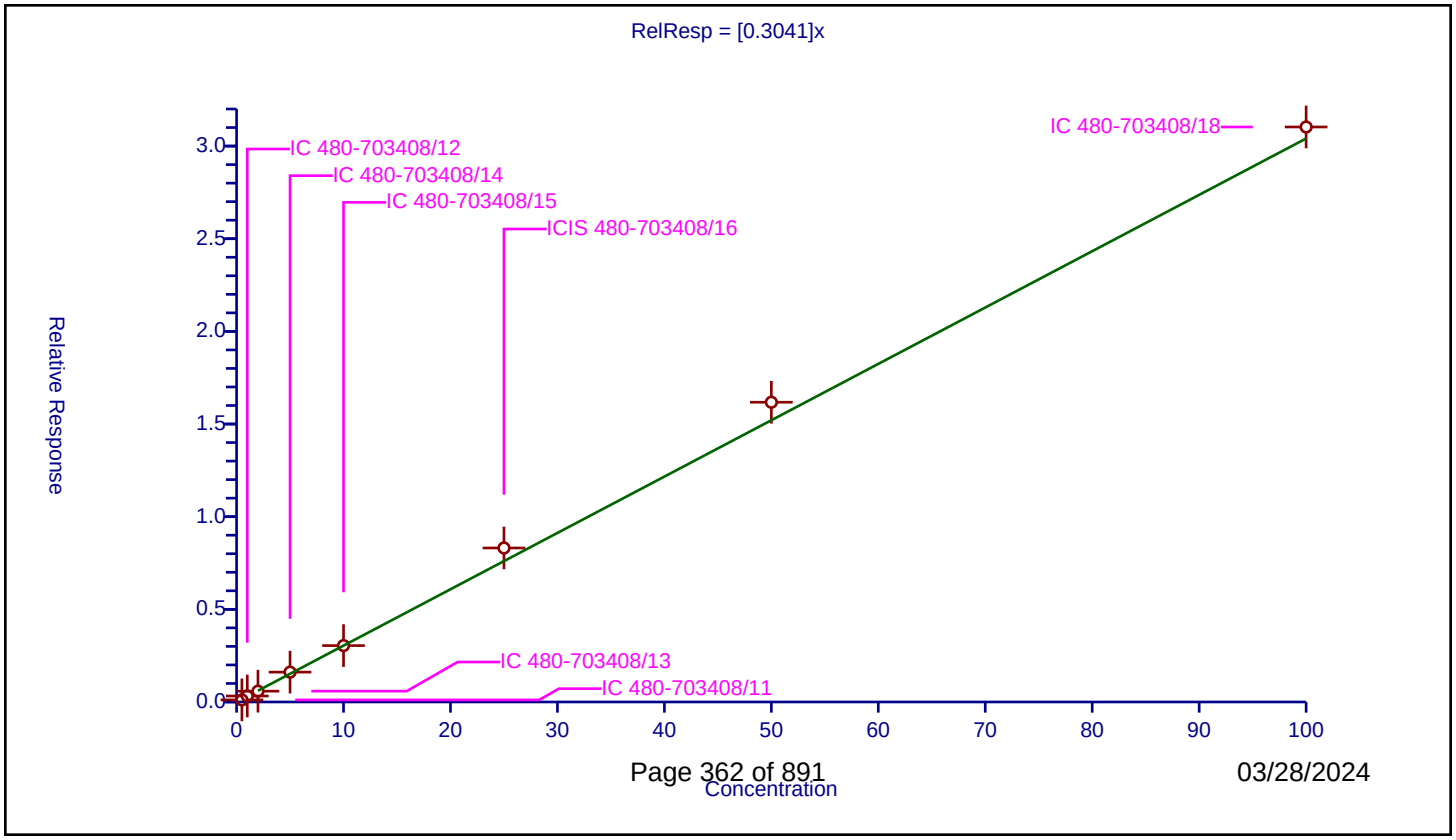
Curve Coefficients

Intercept:	0
Slope:	0.3041

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.112887	25.0	599937.0	0.225774	Y
2	IC 480-703408/12	1.0	0.322465	25.0	596267.0	0.322465	Y
3	IC 480-703408/13	2.0	0.583078	25.0	568706.0	0.291539	Y
4	IC 480-703408/14	5.0	1.611379	25.0	593684.0	0.322276	Y
5	IC 480-703408/15	10.0	3.042856	25.0	633418.0	0.304286	Y
6	ICIS 480-703408/16	25.0	8.312056	25.0	631357.0	0.332482	Y
7	IC 480-703408/17	50.0	16.1764	25.0	646553.0	0.323528	Y
8	IC 480-703408/18	100.0	31.02943	25.0	753446.0	0.310294	Y



Calibration / 1,3-Dichloropropane

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

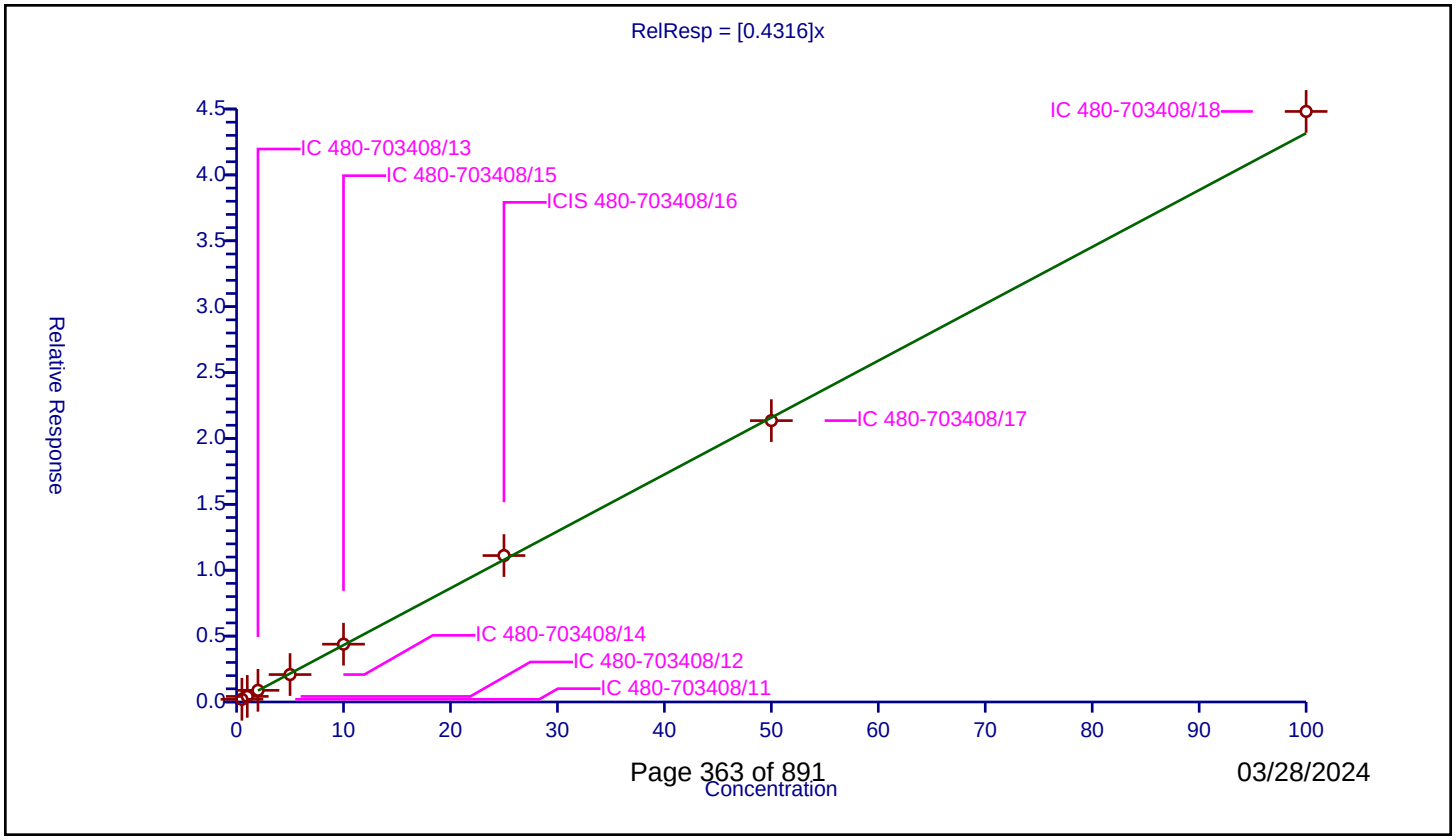
Curve Coefficients

Intercept:	0
Slope:	0.4316

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.206147	25.0	599937.0	0.412293	Y
2	IC 480-703408/12	1.0	0.423133	25.0	596267.0	0.423133	Y
3	IC 480-703408/13	2.0	0.885783	25.0	568706.0	0.442891	Y
4	IC 480-703408/14	5.0	2.082168	25.0	593684.0	0.416434	Y
5	IC 480-703408/15	10.0	4.386282	25.0	633418.0	0.438628	Y
6	ICIS 480-703408/16	25.0	11.113918	25.0	631357.0	0.444557	Y
7	IC 480-703408/17	50.0	21.353122	25.0	646553.0	0.427062	Y
8	IC 480-703408/18	100.0	44.816218	25.0	753446.0	0.448162	Y



Calibration / 2-Hexanone

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

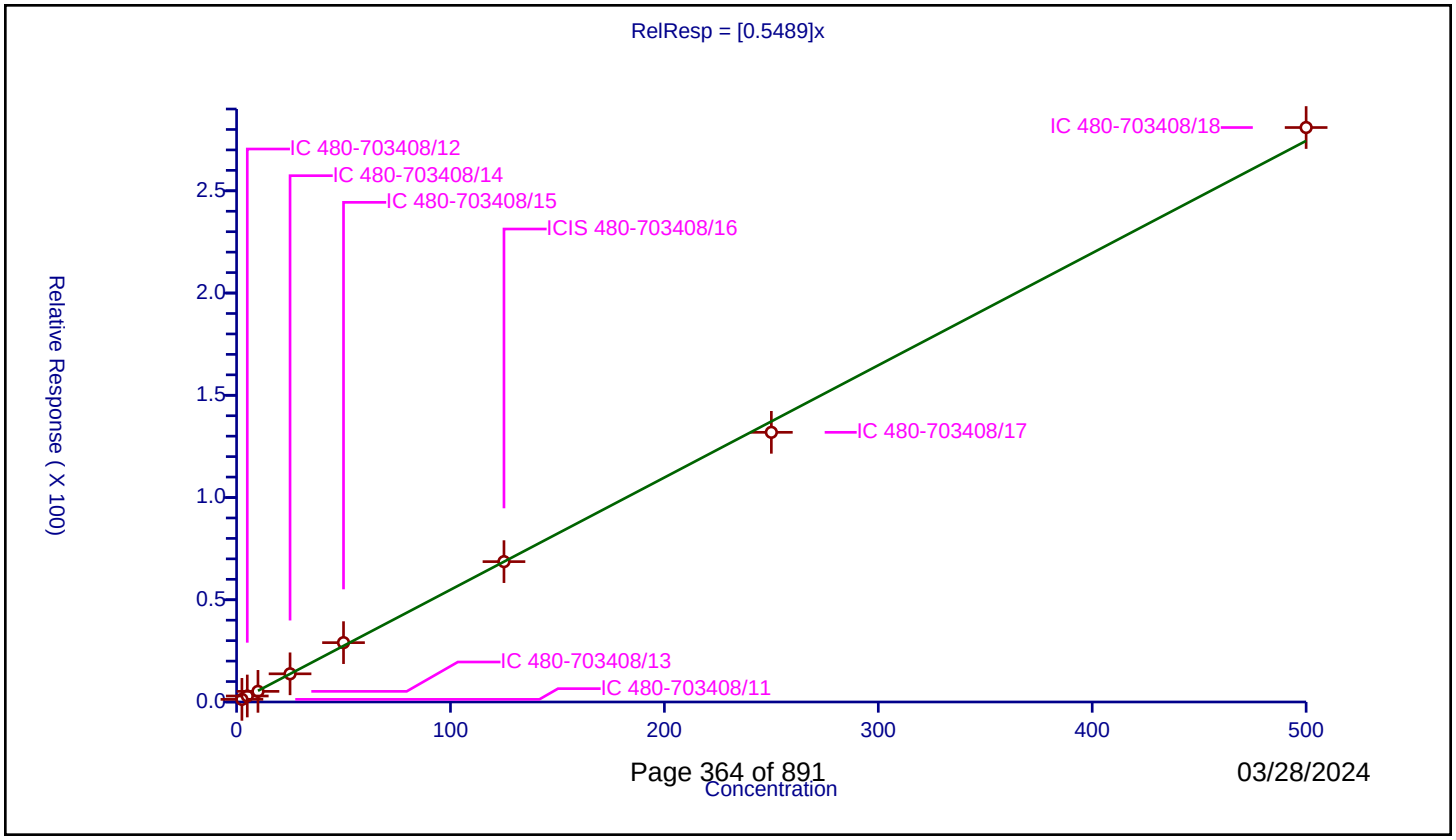
Curve Coefficients

Intercept:	0
Slope:	0.5489

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	2.5	1.289135	25.0	599937.0	0.515654	Y
2	IC 480-703408/12	5.0	2.925074	25.0	596267.0	0.585015	Y
3	IC 480-703408/13	10.0	5.202776	25.0	568706.0	0.520278	Y
4	IC 480-703408/14	25.0	13.775931	25.0	593684.0	0.551037	Y
5	IC 480-703408/15	50.0	29.028738	25.0	633418.0	0.580575	Y
6	ICIS 480-703408/16	125.0	68.639217	25.0	631357.0	0.549114	Y
7	IC 480-703408/17	250.0	131.879869	25.0	646553.0	0.527519	Y
8	IC 480-703408/18	500.0	280.949431	25.0	753446.0	0.561899	Y



Calibration / Chlorodibromomethane

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

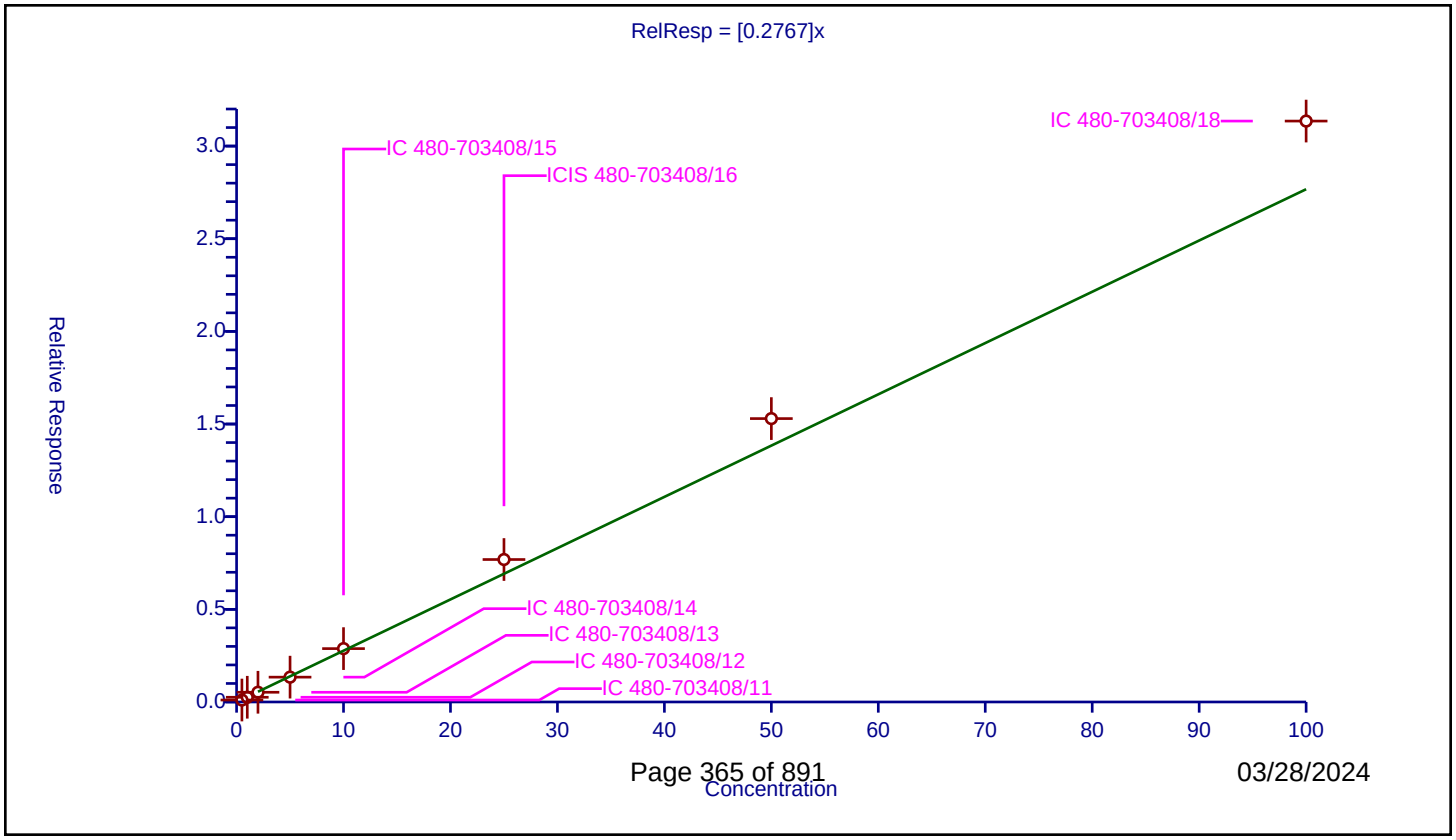
Curve Coefficients

Intercept:	0
Slope:	0.2767

Error Coefficients

Relative Standard Deviation:	12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.106303	25.0	599937.0	0.212606	Y
2	IC 480-703408/12	1.0	0.255674	25.0	596267.0	0.255674	Y
3	IC 480-703408/13	2.0	0.524612	25.0	568706.0	0.262306	Y
4	IC 480-703408/14	5.0	1.340654	25.0	593684.0	0.268131	Y
5	IC 480-703408/15	10.0	2.880444	25.0	633418.0	0.288044	Y
6	ICIS 480-703408/16	25.0	7.688321	25.0	631357.0	0.307533	Y
7	IC 480-703408/17	50.0	15.294028	25.0	646553.0	0.305881	Y
8	IC 480-703408/18	100.0	31.349294	25.0	753446.0	0.313493	Y



Calibration / Ethylene Dibromide

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

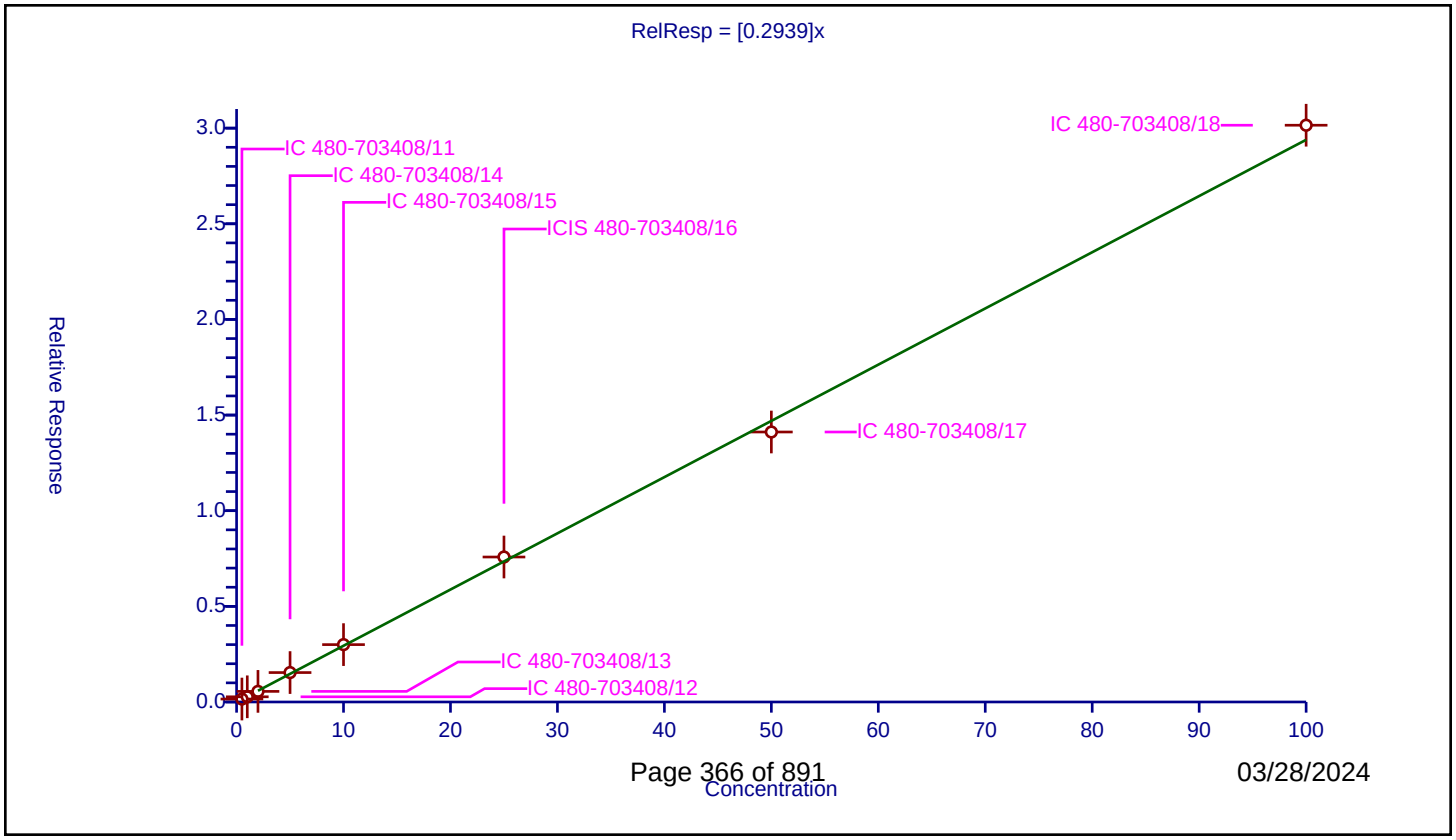
Curve Coefficients

Intercept:	0
Slope:	0.2939

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.1546	25.0	599937.0	0.309199	Y
2	IC 480-703408/12	1.0	0.270684	25.0	596267.0	0.270684	Y
3	IC 480-703408/13	2.0	0.553581	25.0	568706.0	0.276791	Y
4	IC 480-703408/14	5.0	1.538192	25.0	593684.0	0.307638	Y
5	IC 480-703408/15	10.0	2.999046	25.0	633418.0	0.299905	Y
6	ICIS 480-703408/16	25.0	7.579587	25.0	631357.0	0.303183	Y
7	IC 480-703408/17	50.0	14.114427	25.0	646553.0	0.282289	Y
8	IC 480-703408/18	100.0	30.153024	25.0	753446.0	0.30153	Y



Calibration / Chlorobenzene

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

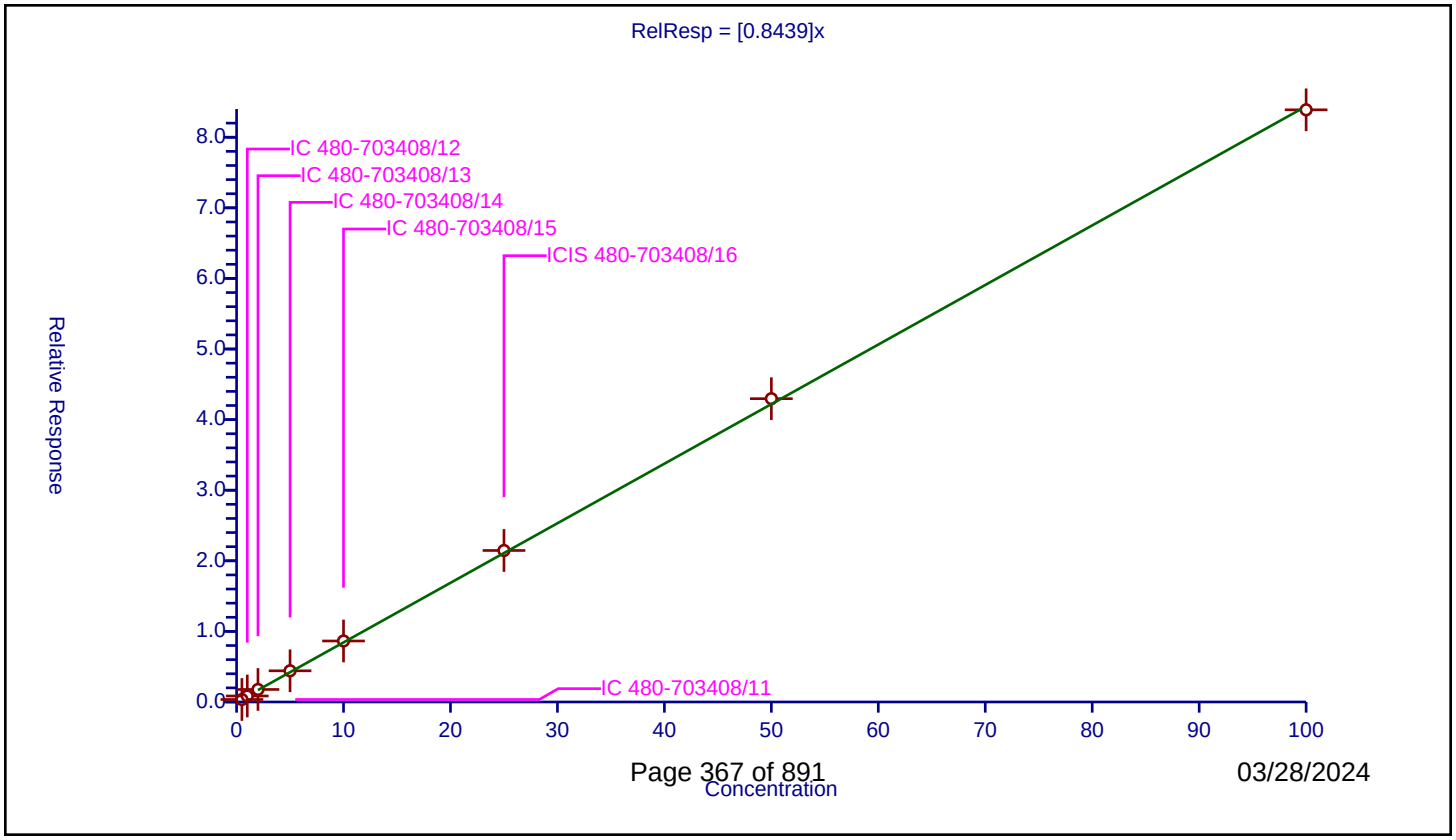
Curve Coefficients

Intercept:	0
Slope:	0.8439

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.353329	25.0	599937.0	0.706658	Y
2	IC 480-703408/12	1.0	0.853141	25.0	596267.0	0.853141	Y
3	IC 480-703408/13	2.0	1.773544	25.0	568706.0	0.886772	Y
4	IC 480-703408/14	5.0	4.418933	25.0	593684.0	0.883787	Y
5	IC 480-703408/15	10.0	8.640661	25.0	633418.0	0.864066	Y
6	ICIS 480-703408/16	25.0	21.461511	25.0	631357.0	0.85846	Y
7	IC 480-703408/17	50.0	42.966934	25.0	646553.0	0.859339	Y
8	IC 480-703408/18	100.0	83.886237	25.0	753446.0	0.838862	Y



Calibration / Ethylbenzene

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

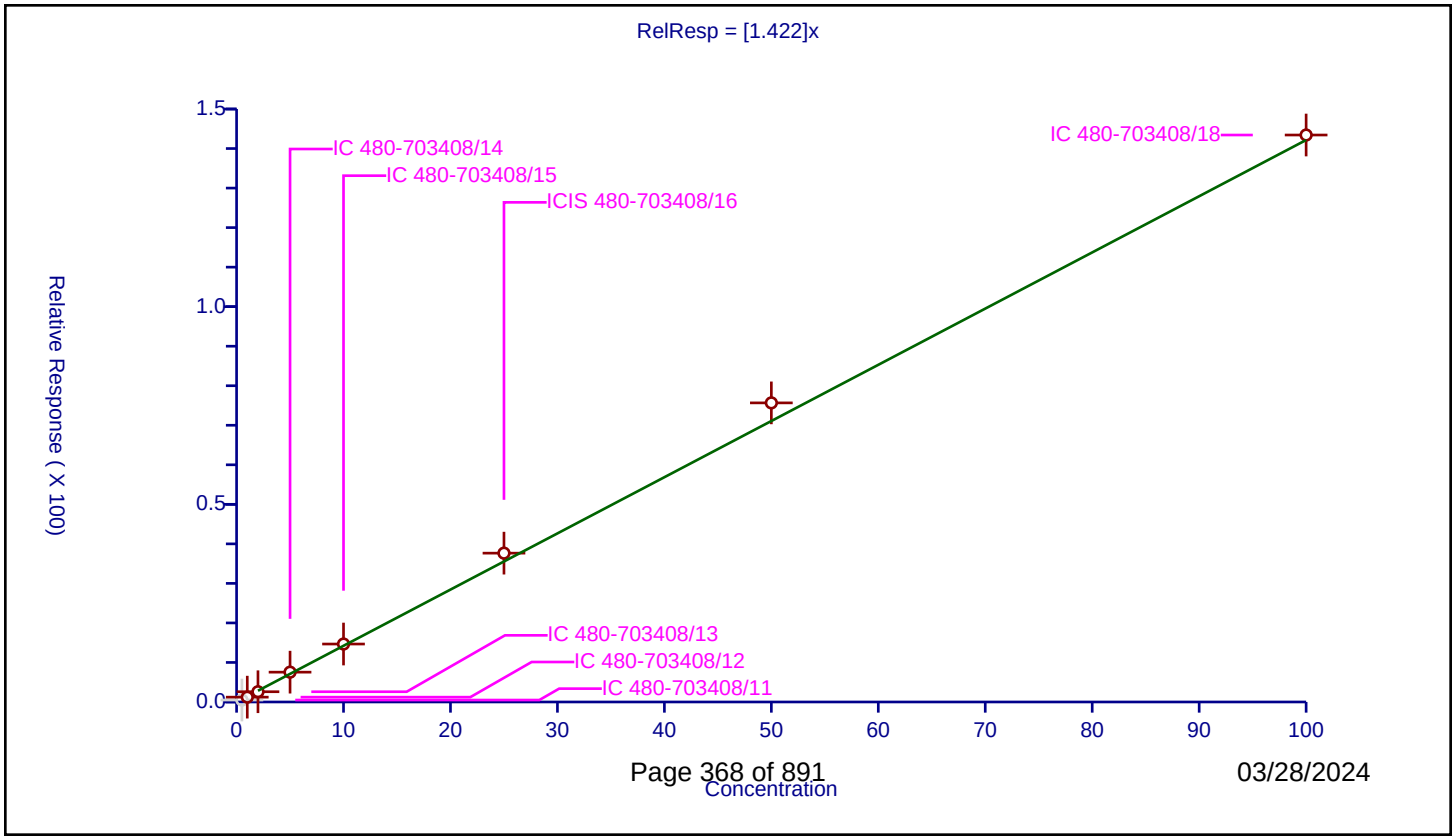
Curve Coefficients

Intercept:	0
Slope:	1.422

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.498011	25.0	599937.0	0.996021	N
2	IC 480-703408/12	1.0	1.223906	25.0	596267.0	1.223906	Y
3	IC 480-703408/13	2.0	2.59541	25.0	568706.0	1.297705	Y
4	IC 480-703408/14	5.0	7.545807	25.0	593684.0	1.509161	Y
5	IC 480-703408/15	10.0	14.664921	25.0	633418.0	1.466492	Y
6	ICIS 480-703408/16	25.0	37.64847	25.0	631357.0	1.505939	Y
7	IC 480-703408/17	50.0	75.66406	25.0	646553.0	1.513281	Y
8	IC 480-703408/18	100.0	143.42219	25.0	753446.0	1.434222	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

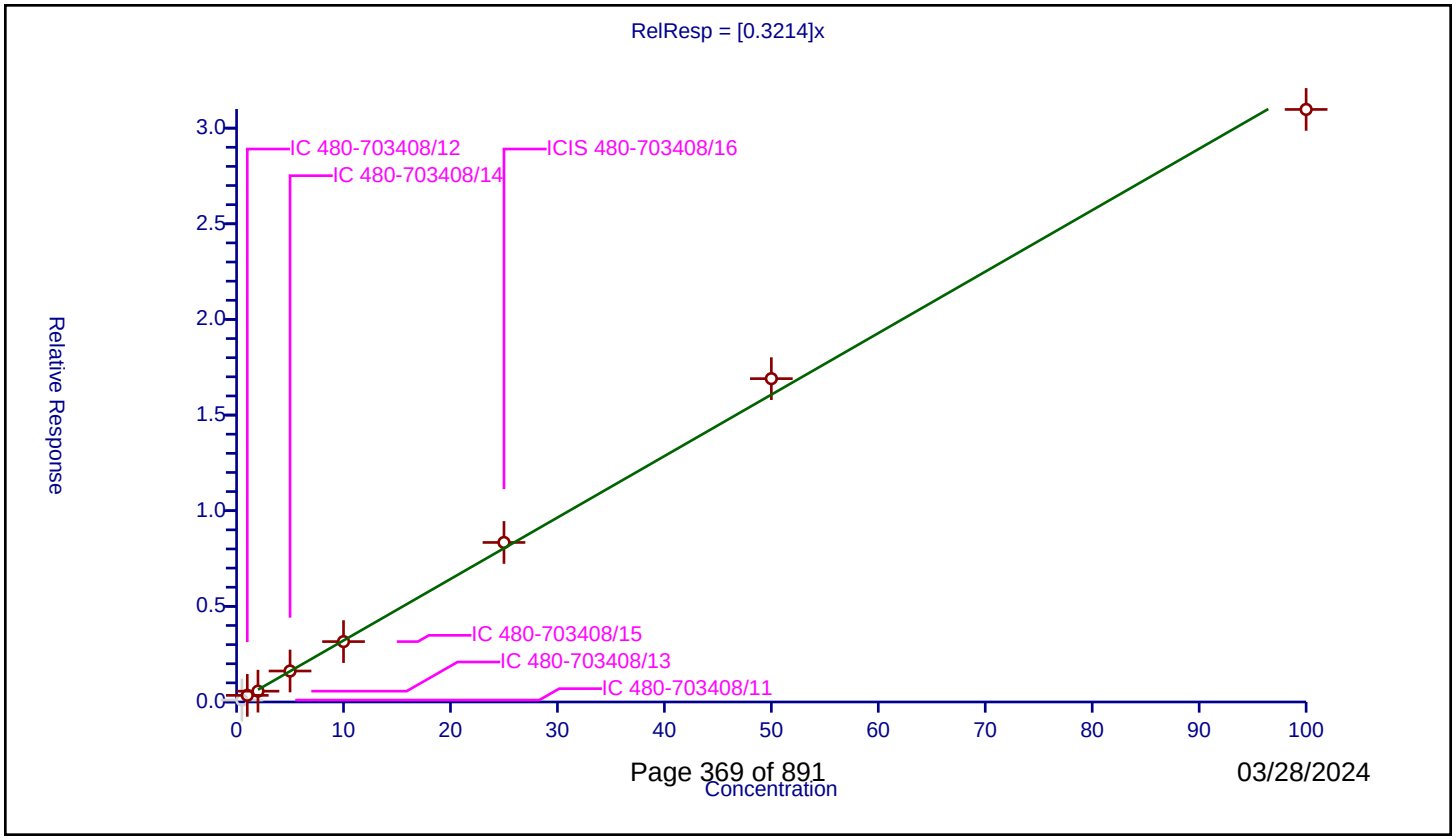
Curve Coefficients

Intercept:	0
Slope:	0.3214

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.100552	25.0	599937.0	0.201104	N
2	IC 480-703408/12	1.0	0.34586	25.0	596267.0	0.34586	Y
3	IC 480-703408/13	2.0	0.565275	25.0	568706.0	0.282637	Y
4	IC 480-703408/14	5.0	1.61938	25.0	593684.0	0.323876	Y
5	IC 480-703408/15	10.0	3.157117	25.0	633418.0	0.315712	Y
6	ICIS 480-703408/16	25.0	8.34017	25.0	631357.0	0.333607	Y
7	IC 480-703408/17	50.0	16.903873	25.0	646553.0	0.338077	Y
8	IC 480-703408/18	100.0	30.978365	25.0	753446.0	0.309784	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

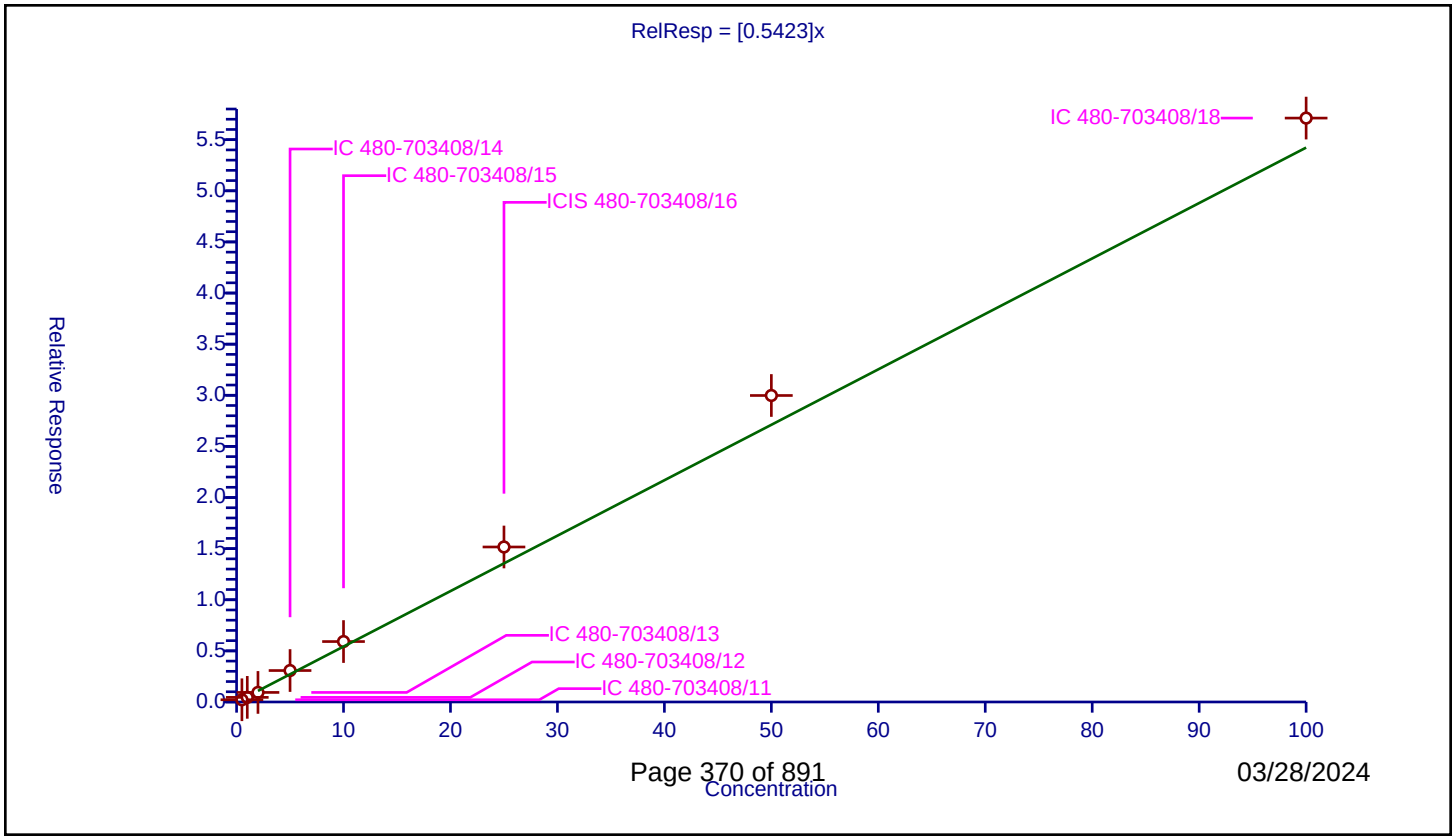
Curve Coefficients

Intercept:	0
Slope:	0.5423

Error Coefficients

Relative Standard Deviation:	14.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.217439	25.0	599937.0	0.434879	Y
2	IC 480-703408/12	1.0	0.452272	25.0	596267.0	0.452272	Y
3	IC 480-703408/13	2.0	0.933787	25.0	568706.0	0.466893	Y
4	IC 480-703408/14	5.0	3.077647	25.0	593684.0	0.615529	Y
5	IC 480-703408/15	10.0	5.912368	25.0	633418.0	0.591237	Y
6	ICIS 480-703408/16	25.0	15.161984	25.0	631357.0	0.606479	Y
7	IC 480-703408/17	50.0	29.979522	25.0	646553.0	0.59959	Y
8	IC 480-703408/18	100.0	57.113848	25.0	753446.0	0.571138	Y



Calibration / o-Xylene

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

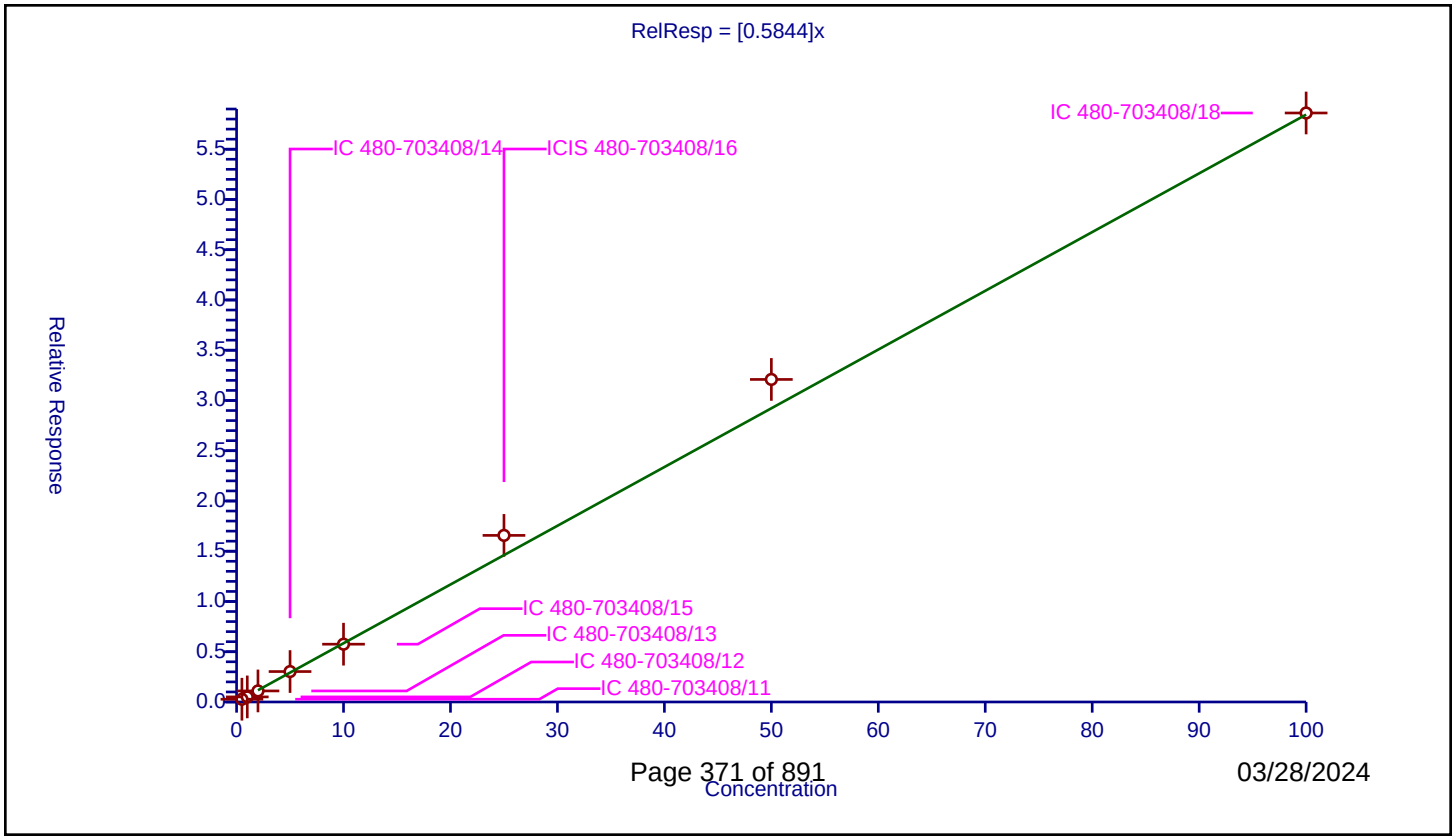
Curve Coefficients

Intercept:	0
Slope:	0.5844

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.275112	25.0	599937.0	0.550224	Y
2	IC 480-703408/12	1.0	0.504137	25.0	596267.0	0.504137	Y
3	IC 480-703408/13	2.0	1.098854	25.0	568706.0	0.549427	Y
4	IC 480-703408/14	5.0	3.027958	25.0	593684.0	0.605592	Y
5	IC 480-703408/15	10.0	5.751652	25.0	633418.0	0.575165	Y
6	ICIS 480-703408/16	25.0	16.57525	25.0	631357.0	0.66301	Y
7	IC 480-703408/17	50.0	32.092613	25.0	646553.0	0.641852	Y
8	IC 480-703408/18	100.0	58.60347	25.0	753446.0	0.586035	Y



Calibration / Styrene

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

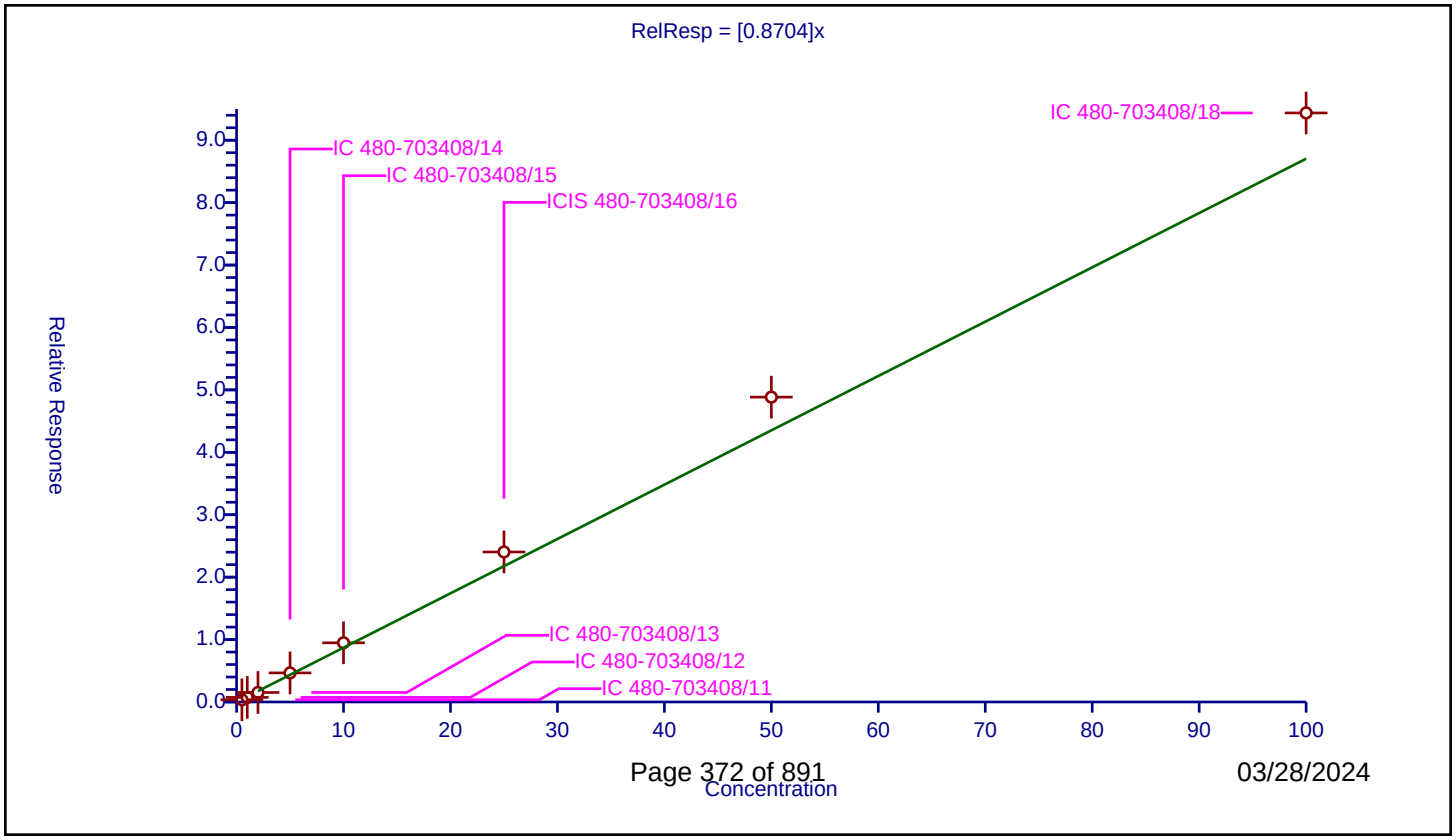
Curve Coefficients

Intercept:	0
Slope:	0.8704

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.351954	25.0	599937.0	0.703907	Y
2	IC 480-703408/12	1.0	0.736038	25.0	596267.0	0.736038	Y
3	IC 480-703408/13	2.0	1.522184	25.0	568706.0	0.761092	Y
4	IC 480-703408/14	5.0	4.658413	25.0	593684.0	0.931683	Y
5	IC 480-703408/15	10.0	9.482246	25.0	633418.0	0.948225	Y
6	ICIS 480-703408/16	25.0	24.034381	25.0	631357.0	0.961375	Y
7	IC 480-703408/17	50.0	48.842052	25.0	646553.0	0.976841	Y
8	IC 480-703408/18	100.0	94.373386	25.0	753446.0	0.943734	Y



Calibration / Bromoform

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

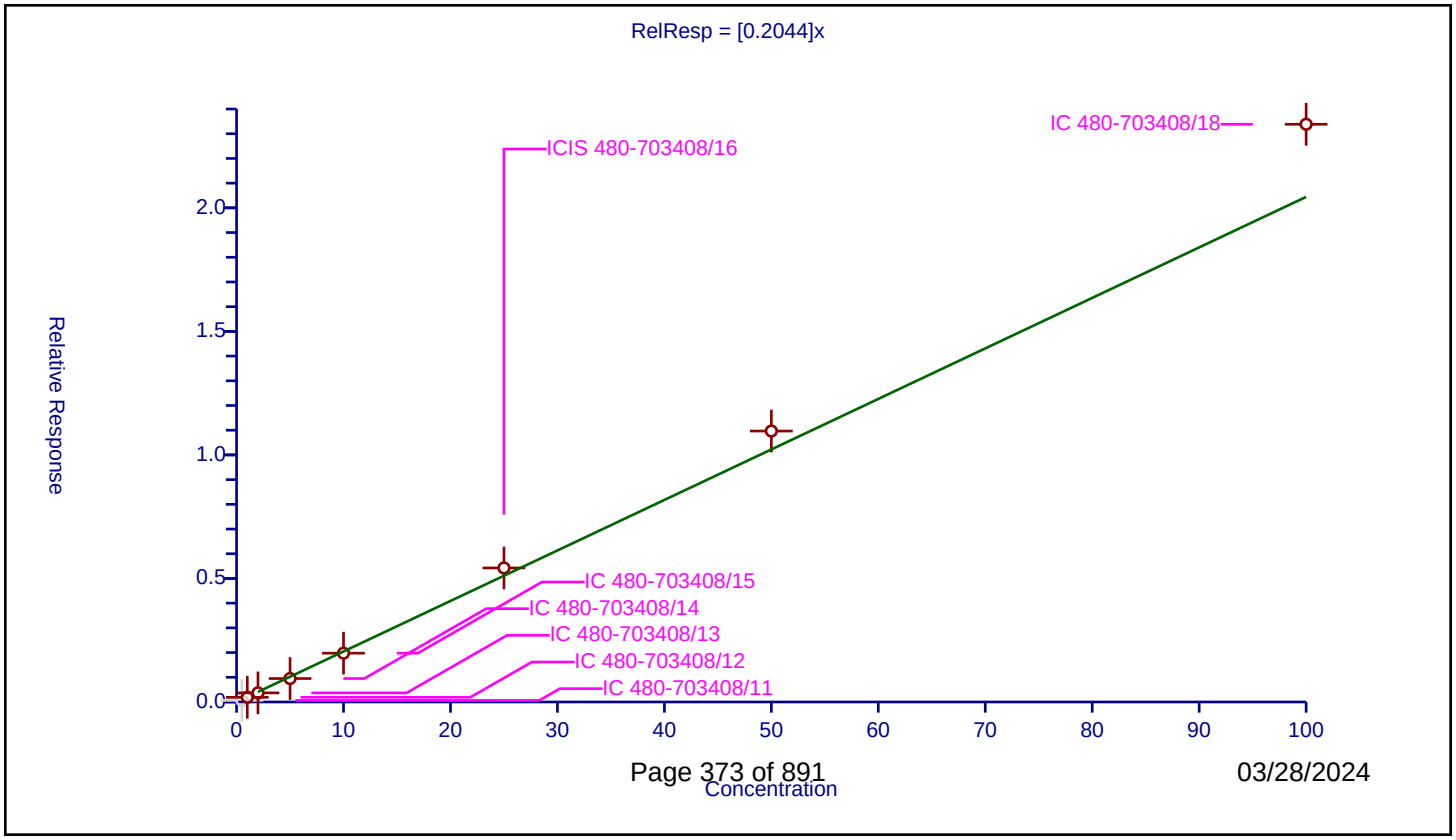
Curve Coefficients

Intercept:	0
Slope:	0.2044

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.063923	25.0	599937.0	0.127847	N
2	IC 480-703408/12	1.0	0.189429	25.0	596267.0	0.189429	Y
3	IC 480-703408/13	2.0	0.368204	25.0	568706.0	0.184102	Y
4	IC 480-703408/14	5.0	0.948863	25.0	593684.0	0.189773	Y
5	IC 480-703408/15	10.0	1.975354	25.0	633418.0	0.197535	Y
6	ICIS 480-703408/16	25.0	5.4251	25.0	631357.0	0.217004	Y
7	IC 480-703408/17	50.0	10.965961	25.0	646553.0	0.219319	Y
8	IC 480-703408/18	100.0	23.382366	25.0	753446.0	0.233824	Y



Calibration / Isopropylbenzene

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

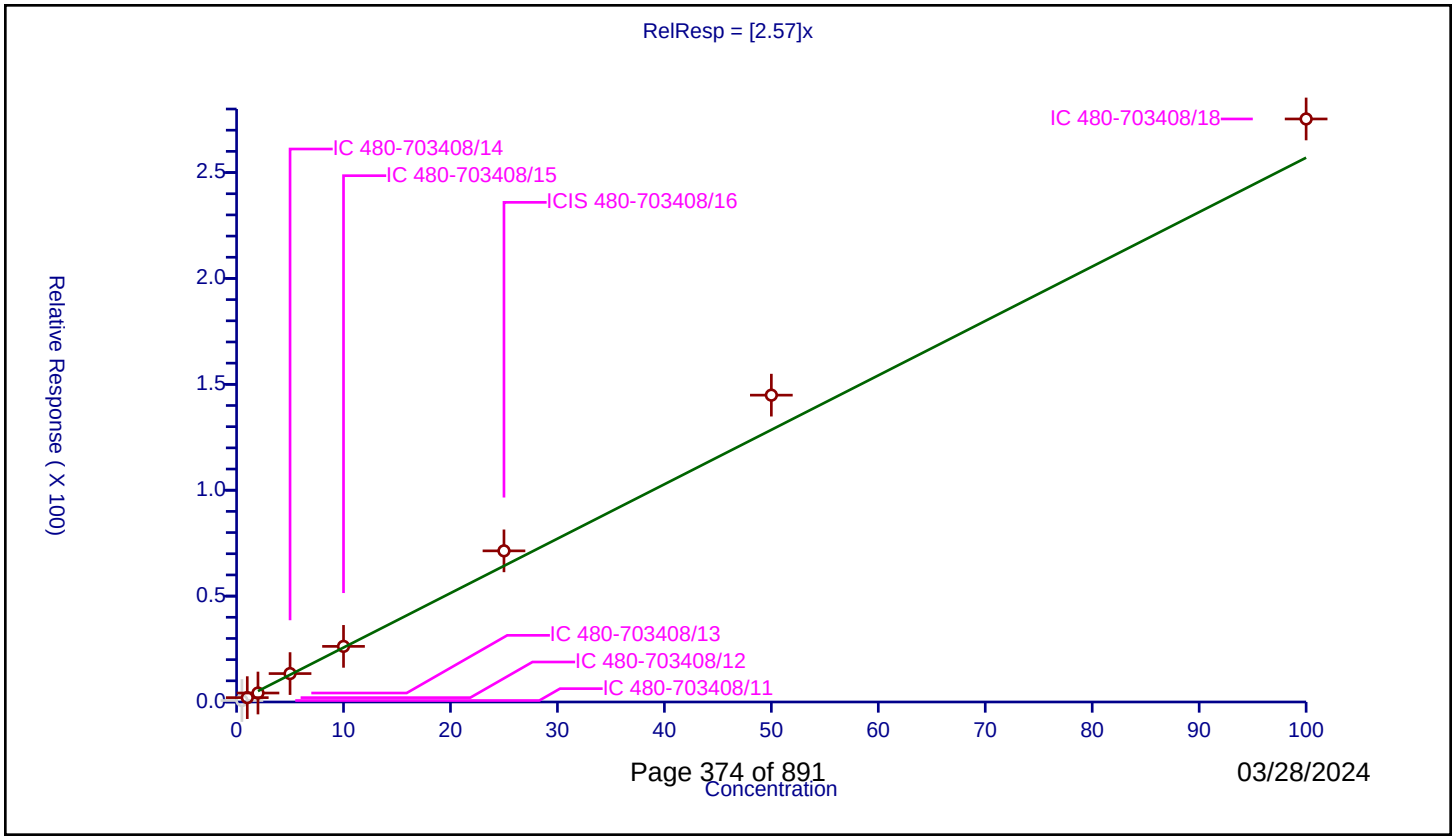
Curve Coefficients

Intercept:	0
Slope:	2.57

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.70286	25.0	346762.0	1.405719	N
2	IC 480-703408/12	1.0	2.059103	25.0	372213.0	2.059103	Y
3	IC 480-703408/13	2.0	4.23616	25.0	325212.0	2.11808	Y
4	IC 480-703408/14	5.0	13.416568	25.0	371058.0	2.683314	Y
5	IC 480-703408/15	10.0	26.257562	25.0	373262.0	2.625756	Y
6	ICIS 480-703408/16	25.0	71.360945	25.0	380875.0	2.854438	Y
7	IC 480-703408/17	50.0	144.887704	25.0	383096.0	2.897754	Y
8	IC 480-703408/18	100.0	275.303977	25.0	426512.0	2.75304	Y



Calibration / 4-Bromofluorobenzene (Surr)

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

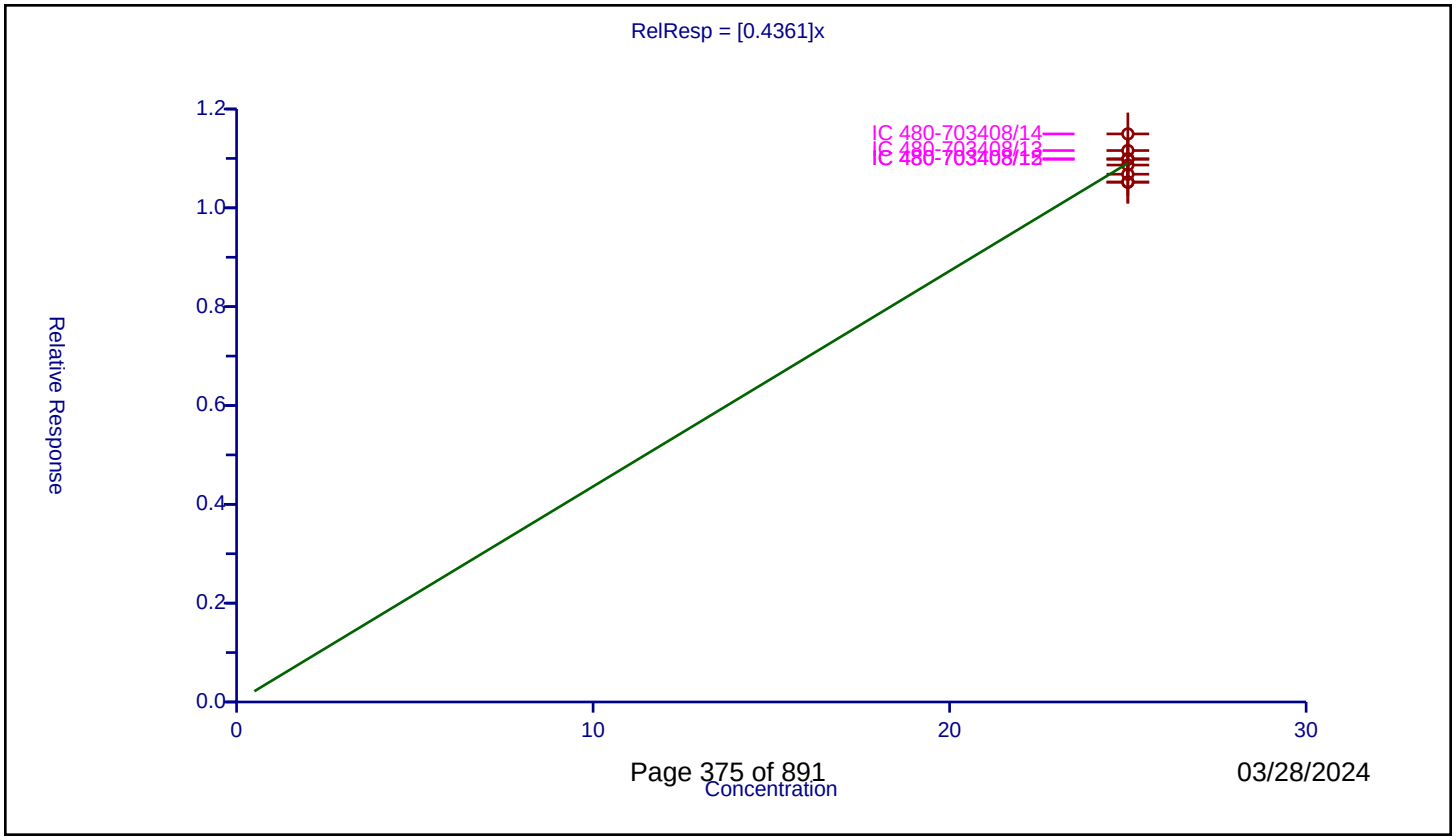
Curve Coefficients

Intercept:	0
Slope:	0.4361

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	25.0	10.521646	25.0	599937.0	0.420866	Y
2	IC 480-703408/12	25.0	10.993858	25.0	596267.0	0.439754	Y
3	IC 480-703408/13	25.0	11.159501	25.0	568706.0	0.44638	Y
4	IC 480-703408/14	25.0	11.495973	25.0	593684.0	0.459839	Y
5	IC 480-703408/15	25.0	10.981453	25.0	633418.0	0.439258	Y
6	ICIS 480-703408/16	25.0	10.866158	25.0	631357.0	0.434646	Y
7	IC 480-703408/17	25.0	10.519633	25.0	646553.0	0.420785	Y
8	IC 480-703408/18	25.0	10.680626	25.0	753446.0	0.427225	Y



Calibration / Bromobenzene

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

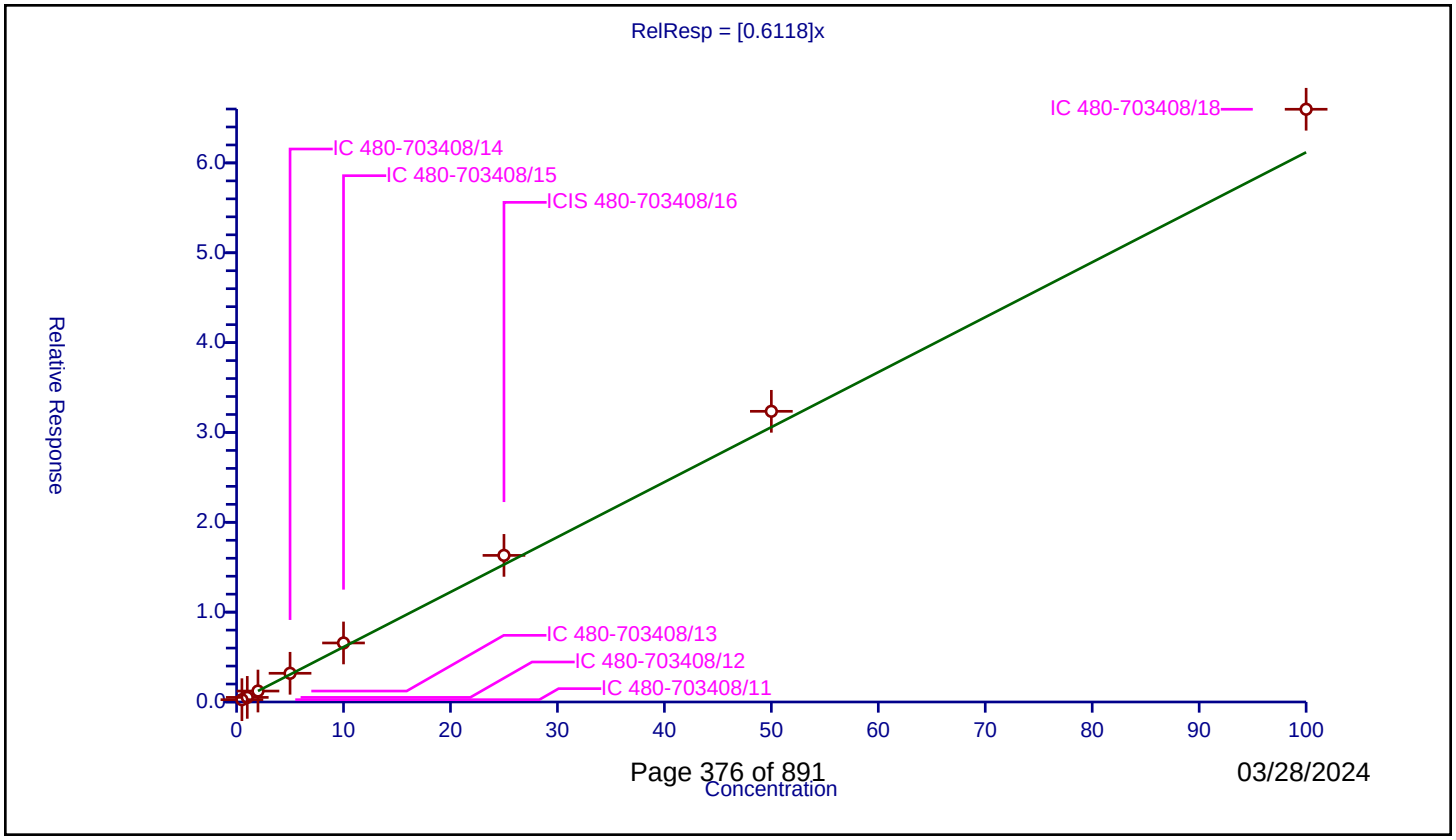
Curve Coefficients

Intercept:	0
Slope:	0.6118

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.25803	25.0	346762.0	0.51606	Y
2	IC 480-703408/12	1.0	0.513281	25.0	372213.0	0.513281	Y
3	IC 480-703408/13	2.0	1.21982	25.0	325212.0	0.60991	Y
4	IC 480-703408/14	5.0	3.194379	25.0	371058.0	0.638876	Y
5	IC 480-703408/15	10.0	6.569916	25.0	373262.0	0.656992	Y
6	ICIS 480-703408/16	25.0	16.31618	25.0	380875.0	0.652647	Y
7	IC 480-703408/17	50.0	32.35253	25.0	383096.0	0.647051	Y
8	IC 480-703408/18	100.0	65.974287	25.0	426512.0	0.659743	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

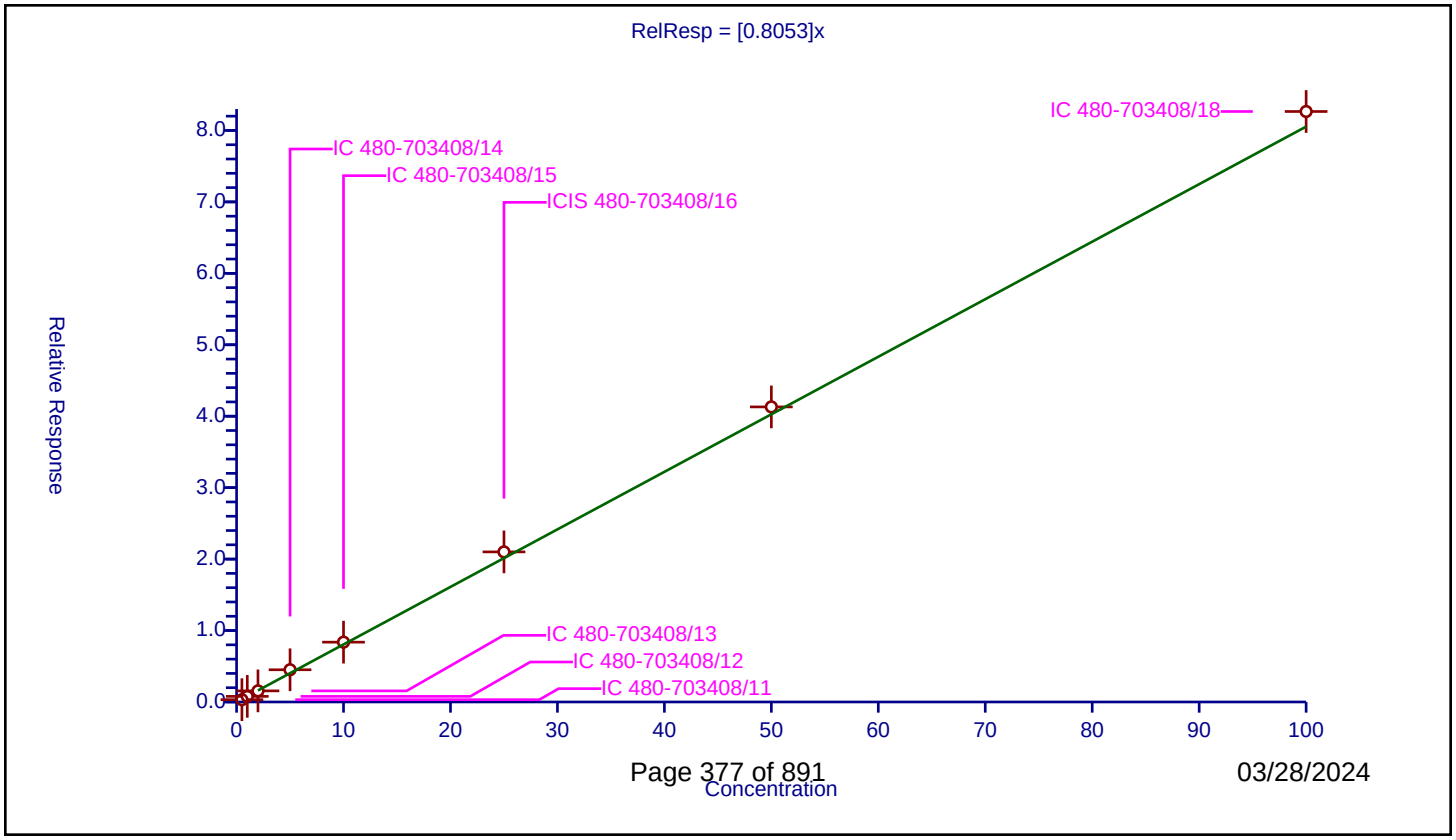
Curve Coefficients

Intercept:	0
Slope:	0.8053

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.322916	25.0	346762.0	0.645832	Y
2	IC 480-703408/12	1.0	0.786848	25.0	372213.0	0.786848	Y
3	IC 480-703408/13	2.0	1.554678	25.0	325212.0	0.777339	Y
4	IC 480-703408/14	5.0	4.511222	25.0	371058.0	0.902244	Y
5	IC 480-703408/15	10.0	8.375819	25.0	373262.0	0.837582	Y
6	ICIS 480-703408/16	25.0	21.008861	25.0	380875.0	0.840354	Y
7	IC 480-703408/17	50.0	41.302441	25.0	383096.0	0.826049	Y
8	IC 480-703408/18	100.0	82.654005	25.0	426512.0	0.82654	Y



Calibration / N-Propylbenzene

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

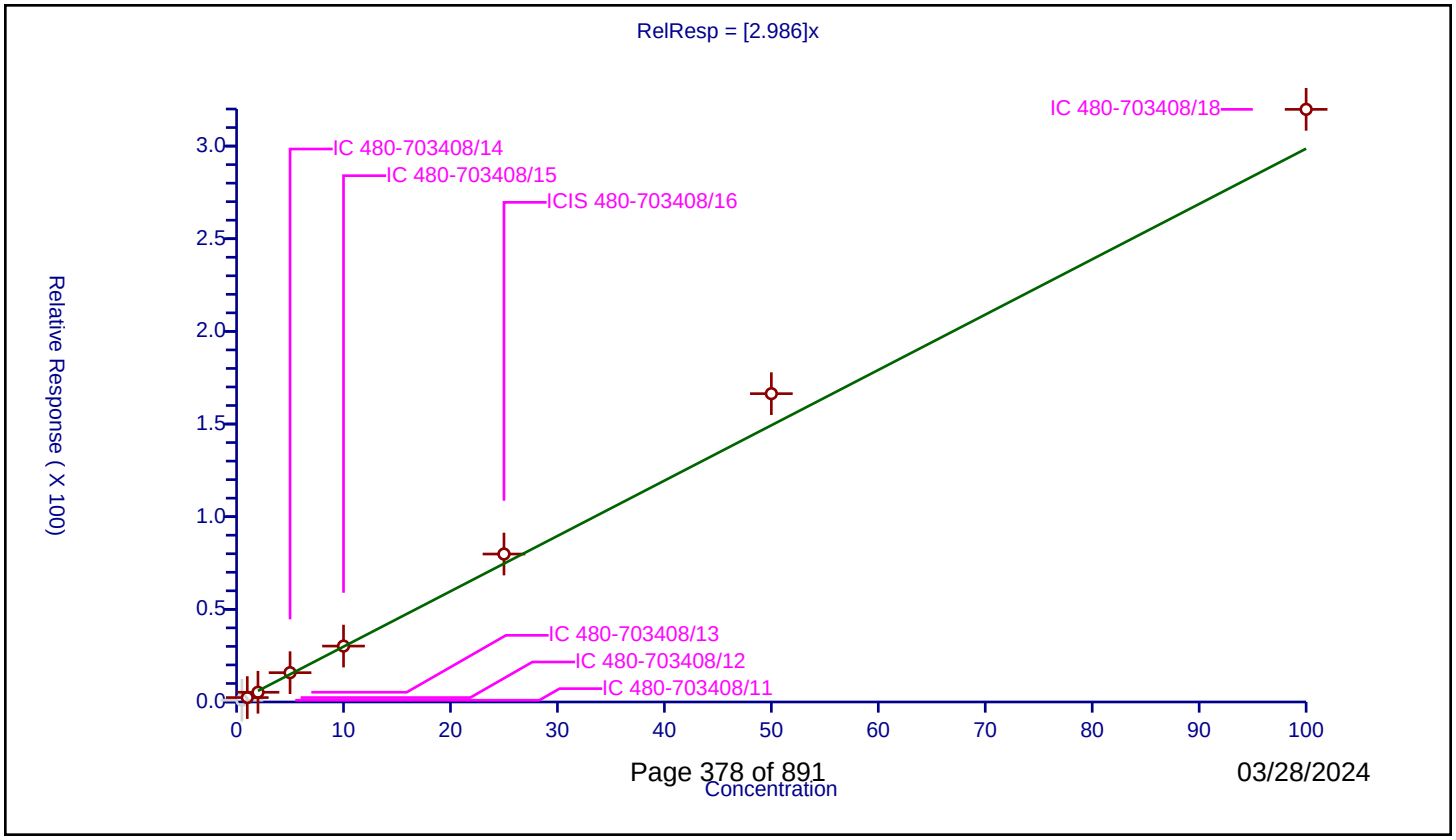
Curve Coefficients

Intercept:	0
Slope:	2.986

Error Coefficients

Relative Standard Deviation:	11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.944091	25.0	346762.0	1.888183	N
2	IC 480-703408/12	1.0	2.377066	25.0	372213.0	2.377066	Y
3	IC 480-703408/13	2.0	5.249191	25.0	325212.0	2.624596	Y
4	IC 480-703408/14	5.0	15.821179	25.0	371058.0	3.164236	Y
5	IC 480-703408/15	10.0	30.172372	25.0	373262.0	3.017237	Y
6	ICIS 480-703408/16	25.0	79.851526	25.0	380875.0	3.194061	Y
7	IC 480-703408/17	50.0	166.388386	25.0	383096.0	3.327768	Y
8	IC 480-703408/18	100.0	319.819841	25.0	426512.0	3.198198	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

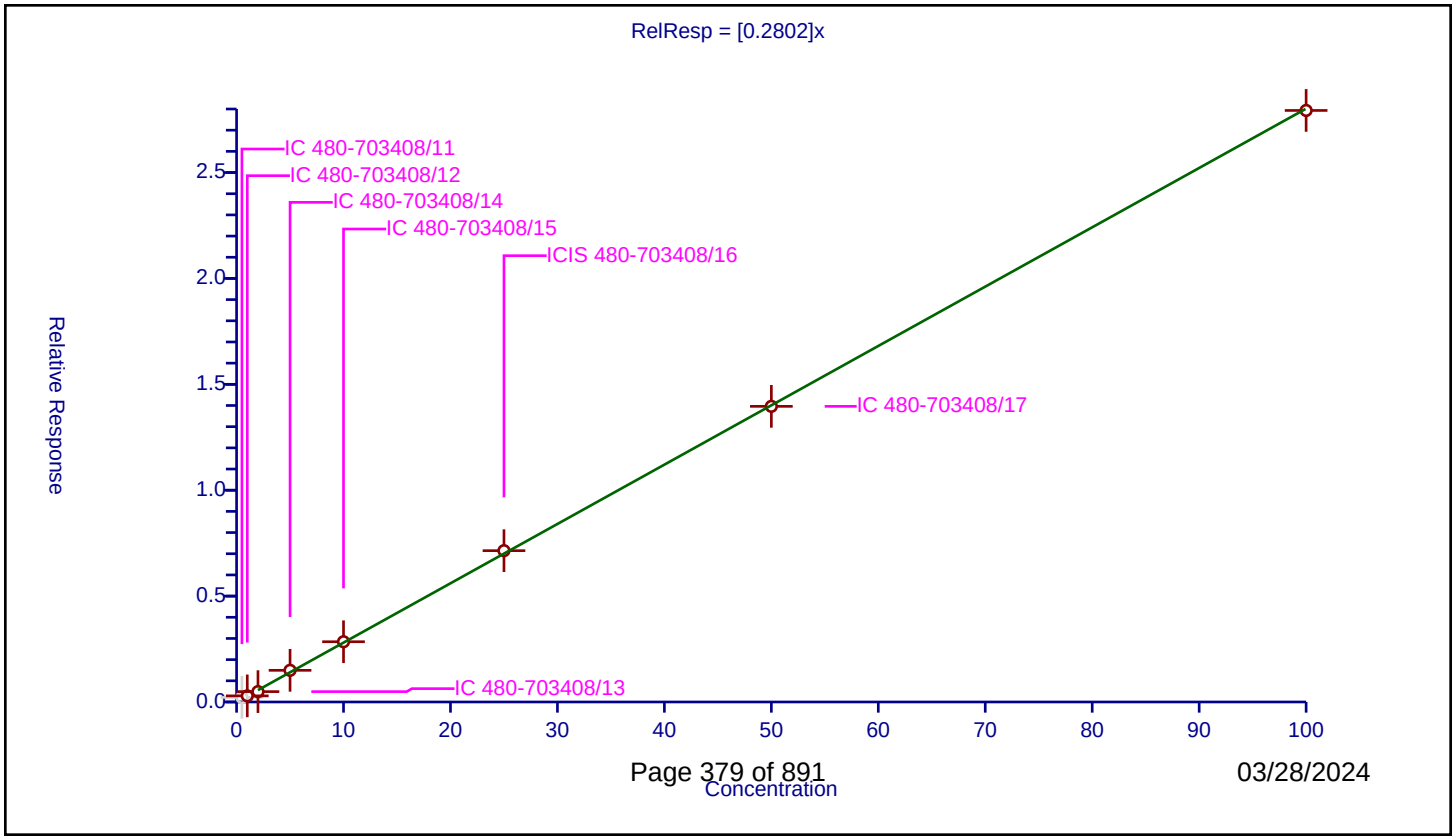
Curve Coefficients

Intercept:	0
Slope:	0.2802

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.216359	25.0	346762.0	0.432718	N
2	IC 480-703408/12	1.0	0.288612	25.0	372213.0	0.288612	Y
3	IC 480-703408/13	2.0	0.489219	25.0	325212.0	0.24461	Y
4	IC 480-703408/14	5.0	1.495723	25.0	371058.0	0.299145	Y
5	IC 480-703408/15	10.0	2.844785	25.0	373262.0	0.284478	Y
6	ICIS 480-703408/16	25.0	7.145651	25.0	380875.0	0.285826	Y
7	IC 480-703408/17	50.0	13.9606	25.0	383096.0	0.279212	Y
8	IC 480-703408/18	100.0	27.931629	25.0	426512.0	0.279316	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

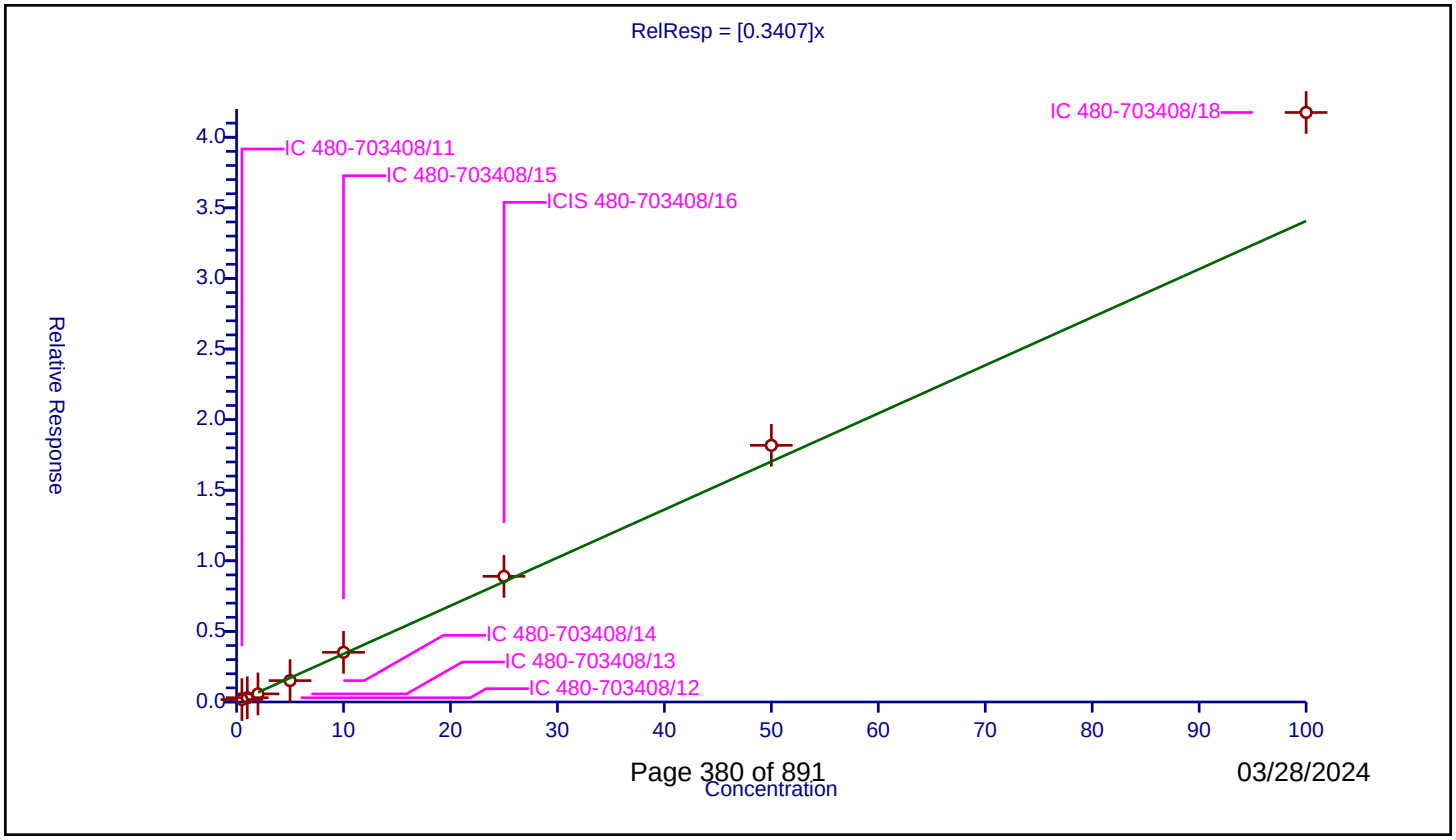
Curve Coefficients

Intercept:	0
Slope:	0.3407

Error Coefficients

Relative Standard Deviation:	12.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.173029	25.0	346762.0	0.346059	Y
2	IC 480-703408/12	1.0	0.301037	25.0	372213.0	0.301037	Y
3	IC 480-703408/13	2.0	0.573318	25.0	325212.0	0.286659	Y
4	IC 480-703408/14	5.0	1.513982	25.0	371058.0	0.302796	Y
5	IC 480-703408/15	10.0	3.51777	25.0	373262.0	0.351777	Y
6	ICIS 480-703408/16	25.0	8.901214	25.0	380875.0	0.356049	Y
7	IC 480-703408/17	50.0	18.177689	25.0	383096.0	0.363554	Y
8	IC 480-703408/18	100.0	41.755273	25.0	426512.0	0.417553	Y



Calibration / 2-Chlorotoluene

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

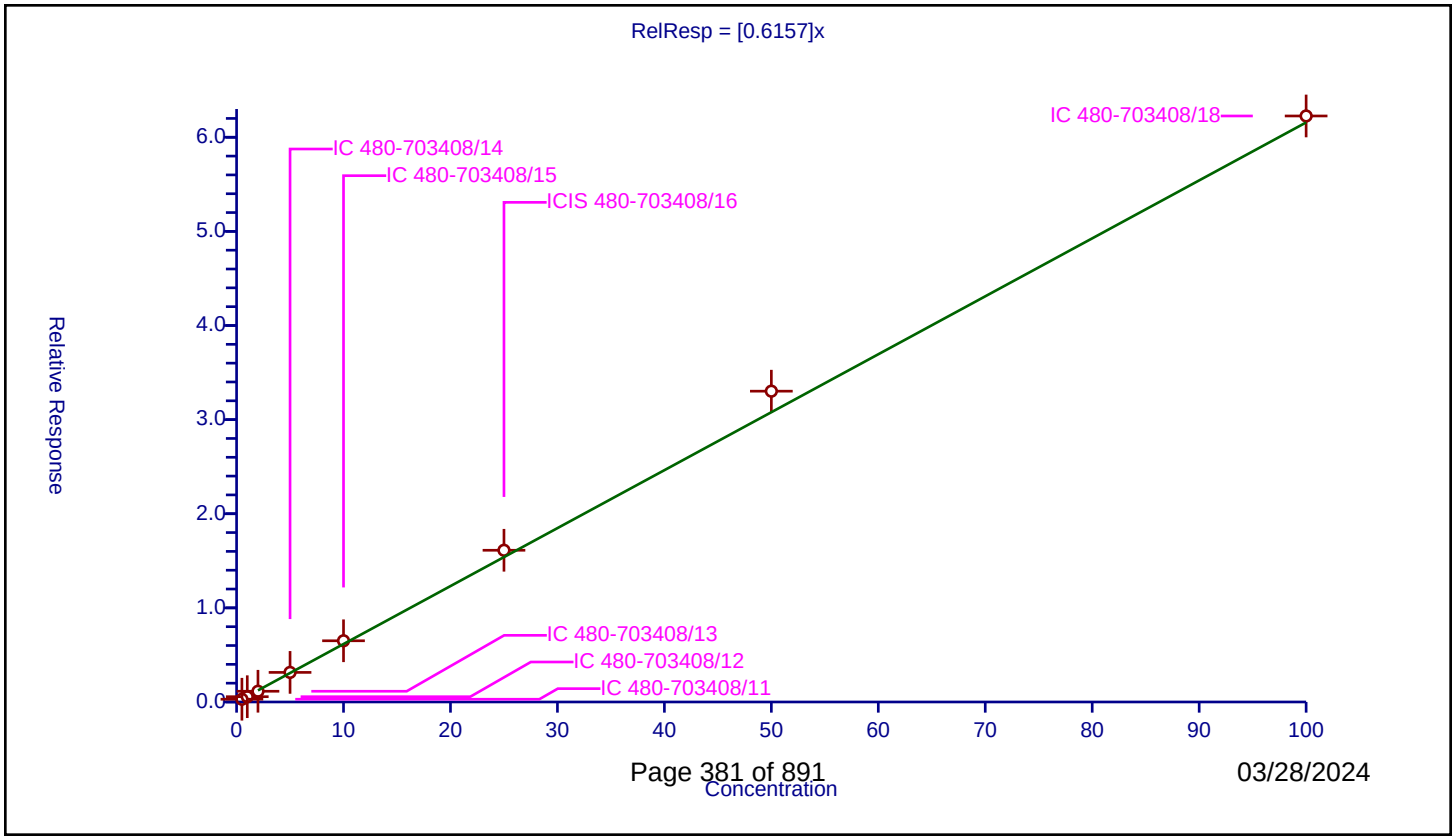
Curve Coefficients

Intercept:	0
Slope:	0.6157

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.293285	25.0	346762.0	0.586569	Y
2	IC 480-703408/12	1.0	0.562178	25.0	372213.0	0.562178	Y
3	IC 480-703408/13	2.0	1.14041	25.0	325212.0	0.570205	Y
4	IC 480-703408/14	5.0	3.143174	25.0	371058.0	0.628635	Y
5	IC 480-703408/15	10.0	6.502671	25.0	373262.0	0.650267	Y
6	ICIS 480-703408/16	25.0	16.119396	25.0	380875.0	0.644776	Y
7	IC 480-703408/17	50.0	33.022728	25.0	383096.0	0.660455	Y
8	IC 480-703408/18	100.0	62.26173	25.0	426512.0	0.622617	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

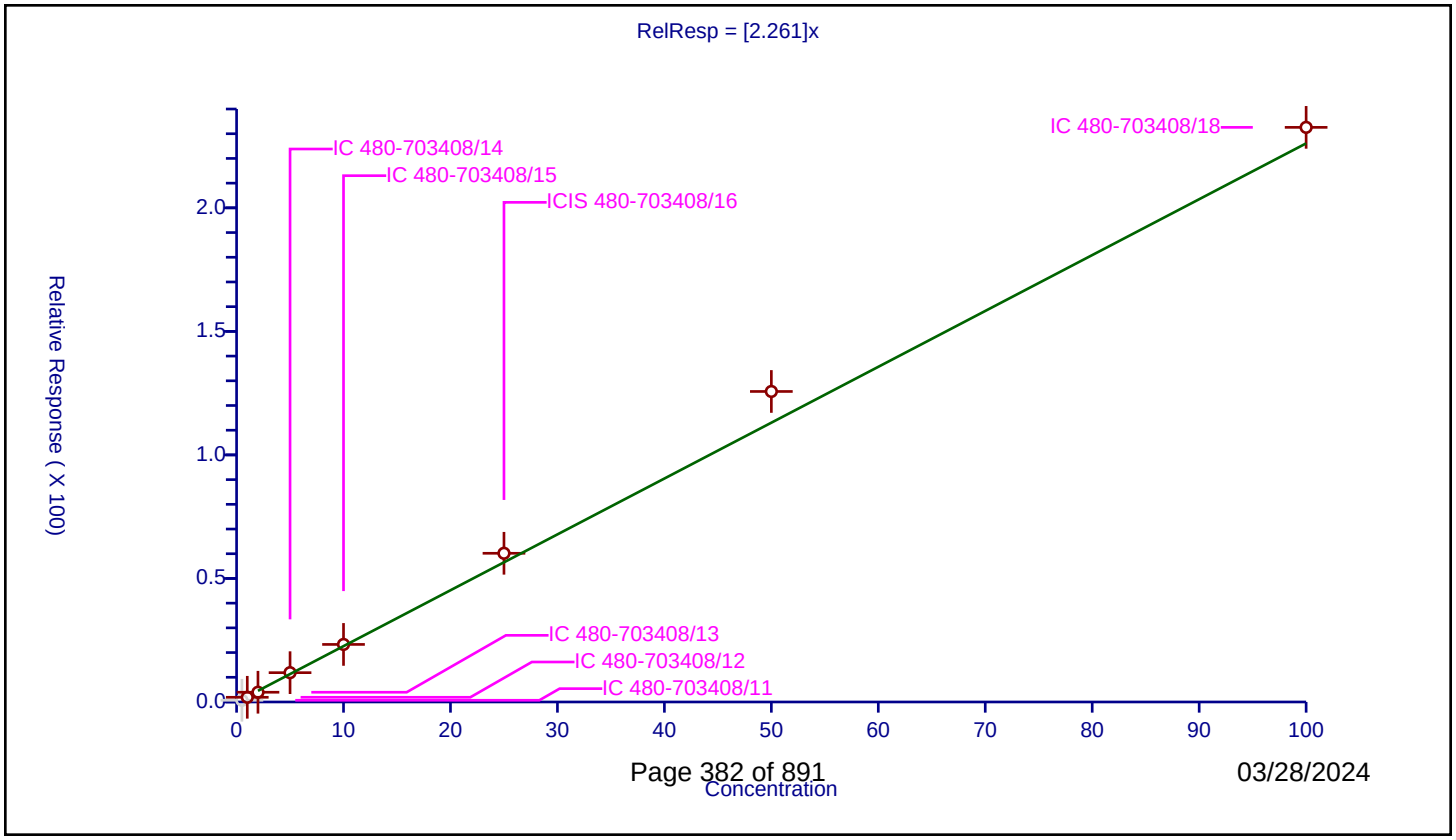
Curve Coefficients

Intercept:	0
Slope:	2.261

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.696083	25.0	346762.0	1.392165	N
2	IC 480-703408/12	1.0	1.905764	25.0	372213.0	1.905764	Y
3	IC 480-703408/13	2.0	3.943274	25.0	325212.0	1.971637	Y
4	IC 480-703408/14	5.0	11.863577	25.0	371058.0	2.372715	Y
5	IC 480-703408/15	10.0	23.293089	25.0	373262.0	2.329309	Y
6	ICIS 480-703408/16	25.0	60.190614	25.0	380875.0	2.407625	Y
7	IC 480-703408/17	50.0	125.682662	25.0	383096.0	2.513653	Y
8	IC 480-703408/18	100.0	232.573409	25.0	426512.0	2.325734	Y



Calibration / 4-Chlorotoluene

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

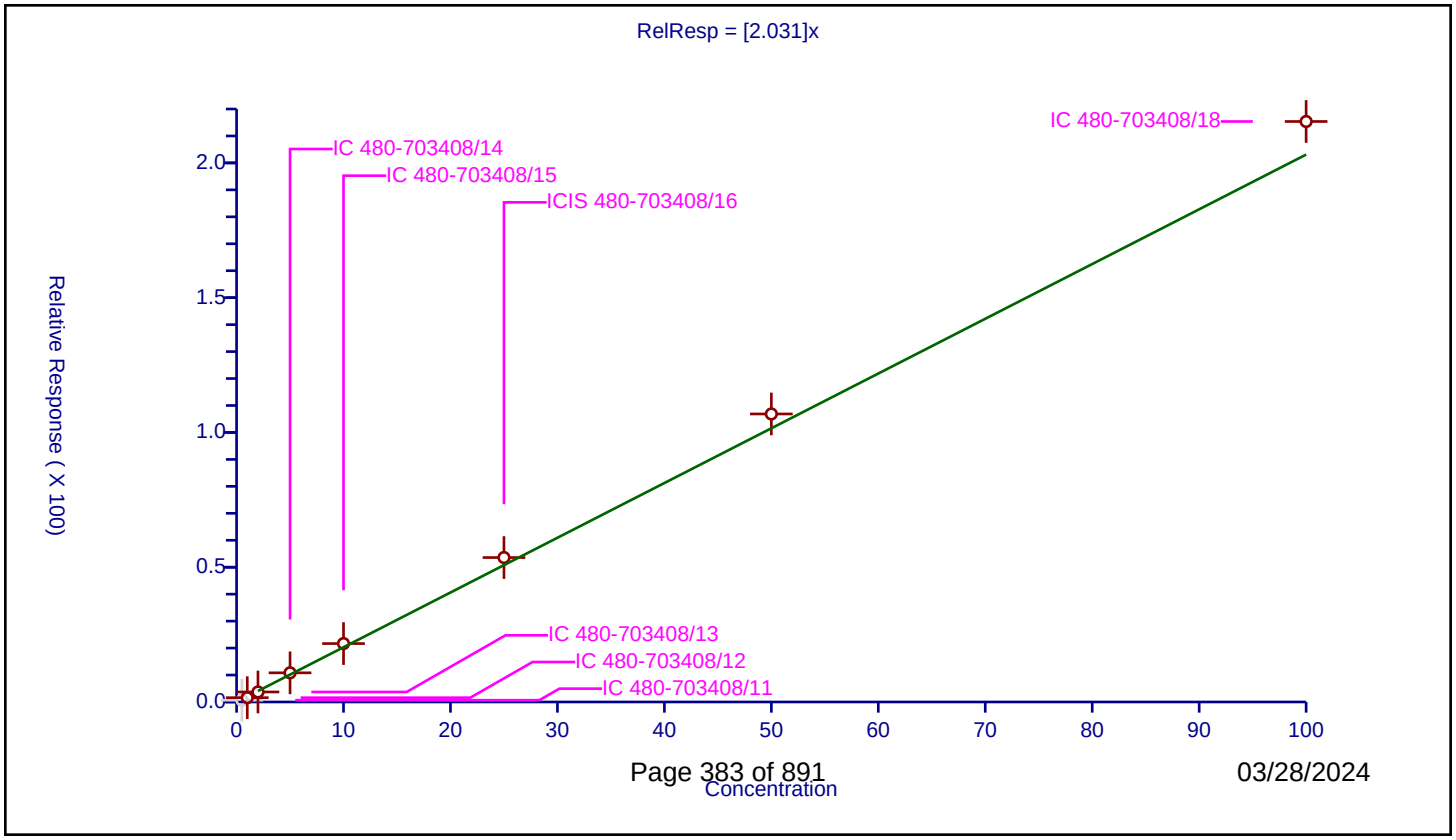
Curve Coefficients

Intercept:	0
Slope:	2.031

Error Coefficients

Relative Standard Deviation:	11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.669119	25.0	346762.0	1.338238	N
2	IC 480-703408/12	1.0	1.592905	25.0	372213.0	1.592905	Y
3	IC 480-703408/13	2.0	3.713885	25.0	325212.0	1.856943	Y
4	IC 480-703408/14	5.0	10.823241	25.0	371058.0	2.164648	Y
5	IC 480-703408/15	10.0	21.675459	25.0	373262.0	2.167546	Y
6	ICIS 480-703408/16	25.0	53.593633	25.0	380875.0	2.143745	Y
7	IC 480-703408/17	50.0	106.85879	25.0	383096.0	2.137176	Y
8	IC 480-703408/18	100.0	215.367797	25.0	426512.0	2.153678	Y



Calibration / tert-Butylbenzene

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

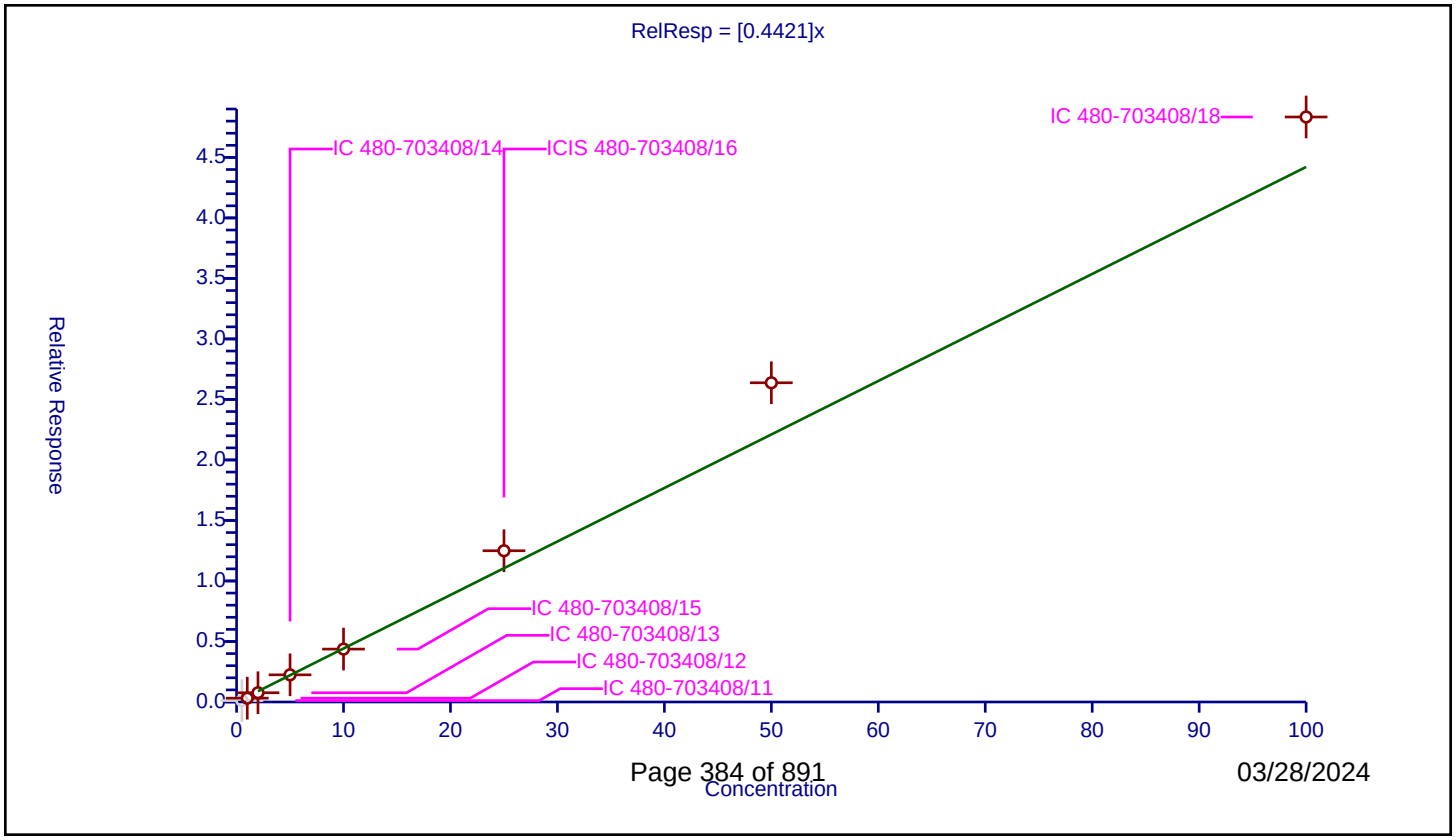
Curve Coefficients

Intercept:	0
Slope:	0.4421

Error Coefficients

Relative Standard Deviation:	16.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.116723	25.0	346762.0	0.233445	N
2	IC 480-703408/12	1.0	0.315948	25.0	372213.0	0.315948	Y
3	IC 480-703408/13	2.0	0.763963	25.0	325212.0	0.381982	Y
4	IC 480-703408/14	5.0	2.244258	25.0	371058.0	0.448852	Y
5	IC 480-703408/15	10.0	4.370991	25.0	373262.0	0.437099	Y
6	ICIS 480-703408/16	25.0	12.497473	25.0	380875.0	0.499899	Y
7	IC 480-703408/17	50.0	26.377331	25.0	383096.0	0.527547	Y
8	IC 480-703408/18	100.0	48.341899	25.0	426512.0	0.483419	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

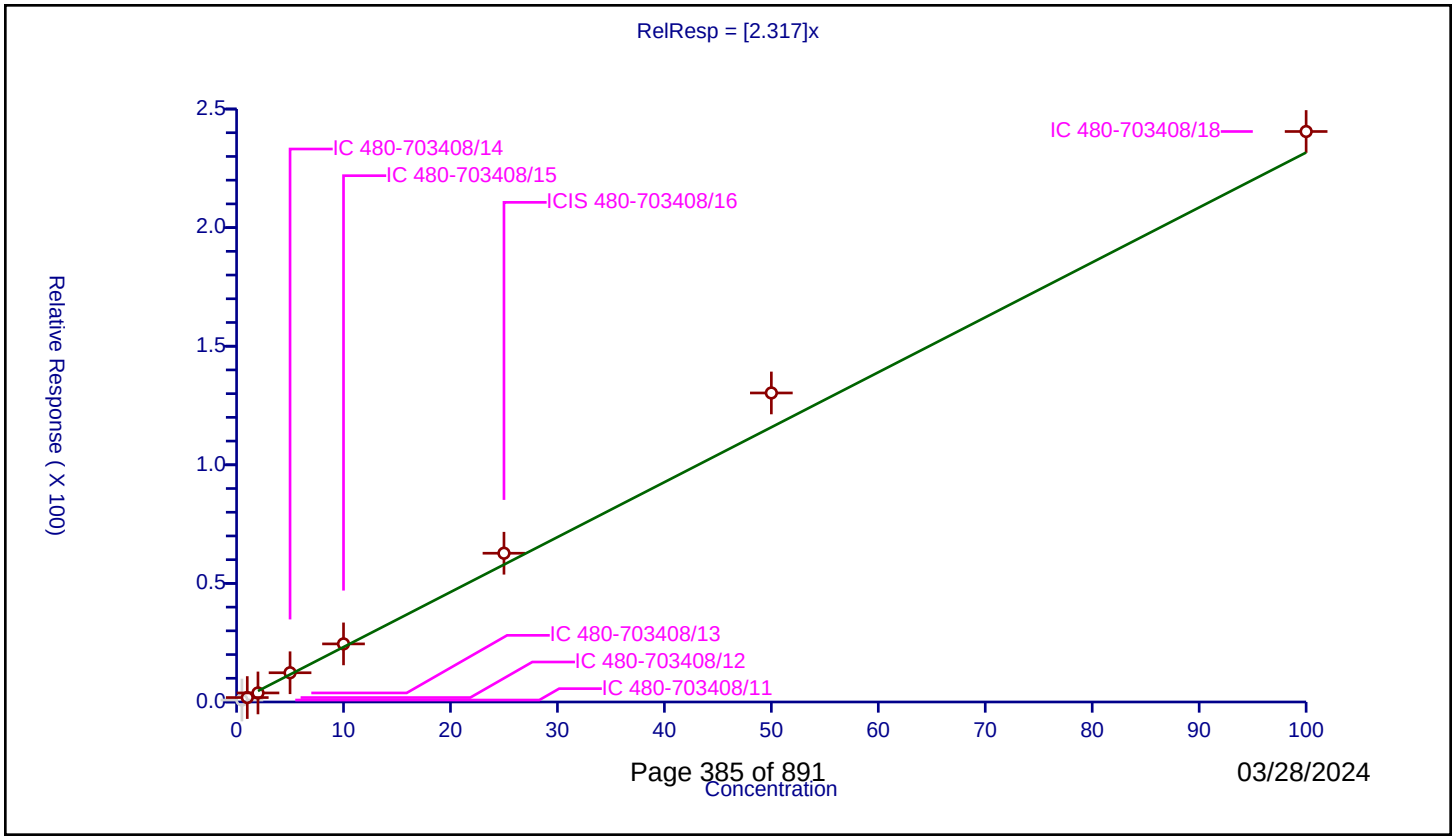
Curve Coefficients

Intercept:	0
Slope:	2.317

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.829964	25.0	346762.0	1.659928	N
2	IC 480-703408/12	1.0	1.874733	25.0	372213.0	1.874733	Y
3	IC 480-703408/13	2.0	3.814435	25.0	325212.0	1.907217	Y
4	IC 480-703408/14	5.0	12.329002	25.0	371058.0	2.4658	Y
5	IC 480-703408/15	10.0	24.490304	25.0	373262.0	2.44903	Y
6	ICIS 480-703408/16	25.0	62.719527	25.0	380875.0	2.508781	Y
7	IC 480-703408/17	50.0	130.290058	25.0	383096.0	2.605801	Y
8	IC 480-703408/18	100.0	240.520079	25.0	426512.0	2.405201	Y



Calibration / sec-Butylbenzene

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

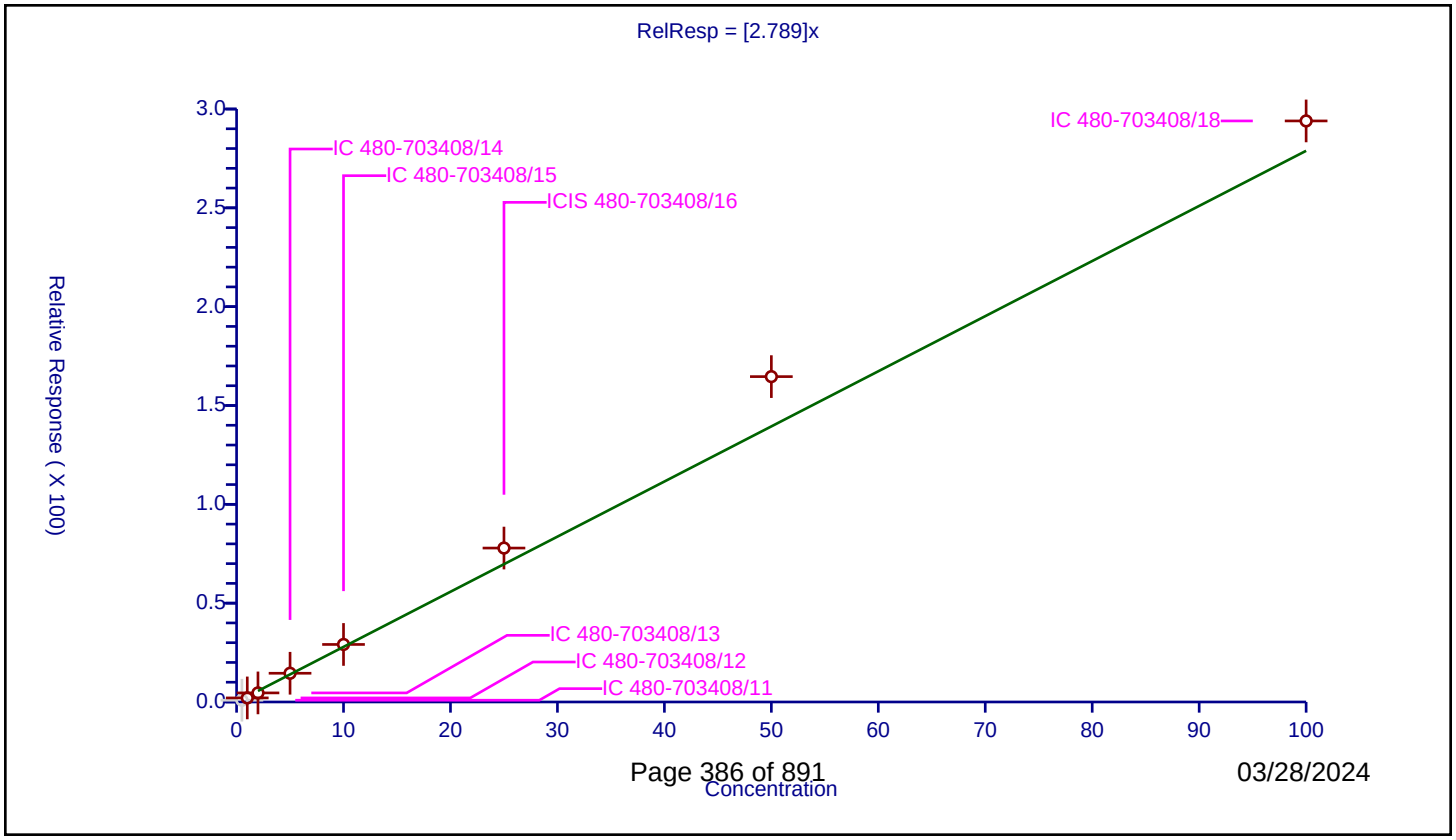
Curve Coefficients

Intercept:	0
Slope:	2.789

Error Coefficients

Relative Standard Deviation:	16.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.899104	25.0	346762.0	1.798207	N
2	IC 480-703408/12	1.0	2.055476	25.0	372213.0	2.055476	Y
3	IC 480-703408/13	2.0	4.599538	25.0	325212.0	2.299769	Y
4	IC 480-703408/14	5.0	14.537283	25.0	371058.0	2.907457	Y
5	IC 480-703408/15	10.0	29.105494	25.0	373262.0	2.910549	Y
6	ICIS 480-703408/16	25.0	77.874368	25.0	380875.0	3.114975	Y
7	IC 480-703408/17	50.0	164.613308	25.0	383096.0	3.292266	Y
8	IC 480-703408/18	100.0	293.969279	25.0	426512.0	2.939693	Y



Calibration / 1,3-Dichlorobenzene

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

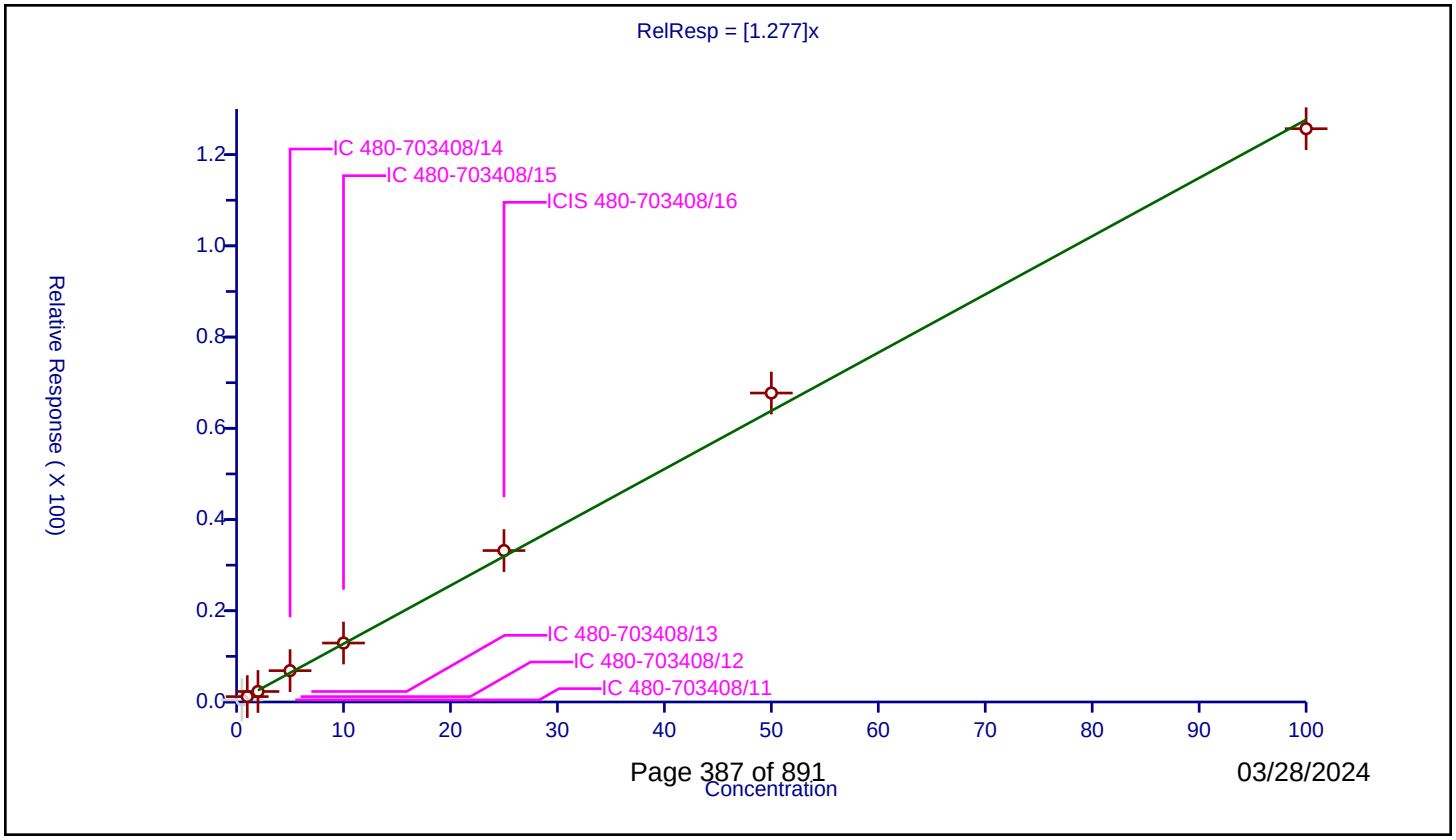
Curve Coefficients

Intercept:	0
Slope:	1.277

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.460835	25.0	346762.0	0.92167	N
2	IC 480-703408/12	1.0	1.179231	25.0	372213.0	1.179231	Y
3	IC 480-703408/13	2.0	2.301422	25.0	325212.0	1.150711	Y
4	IC 480-703408/14	5.0	6.870354	25.0	371058.0	1.374071	Y
5	IC 480-703408/15	10.0	12.920214	25.0	373262.0	1.292021	Y
6	ICIS 480-703408/16	25.0	33.199737	25.0	380875.0	1.327989	Y
7	IC 480-703408/17	50.0	67.732435	25.0	383096.0	1.354649	Y
8	IC 480-703408/18	100.0	125.685854	25.0	426512.0	1.256859	Y



Calibration / 4-Isopropyltoluene

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

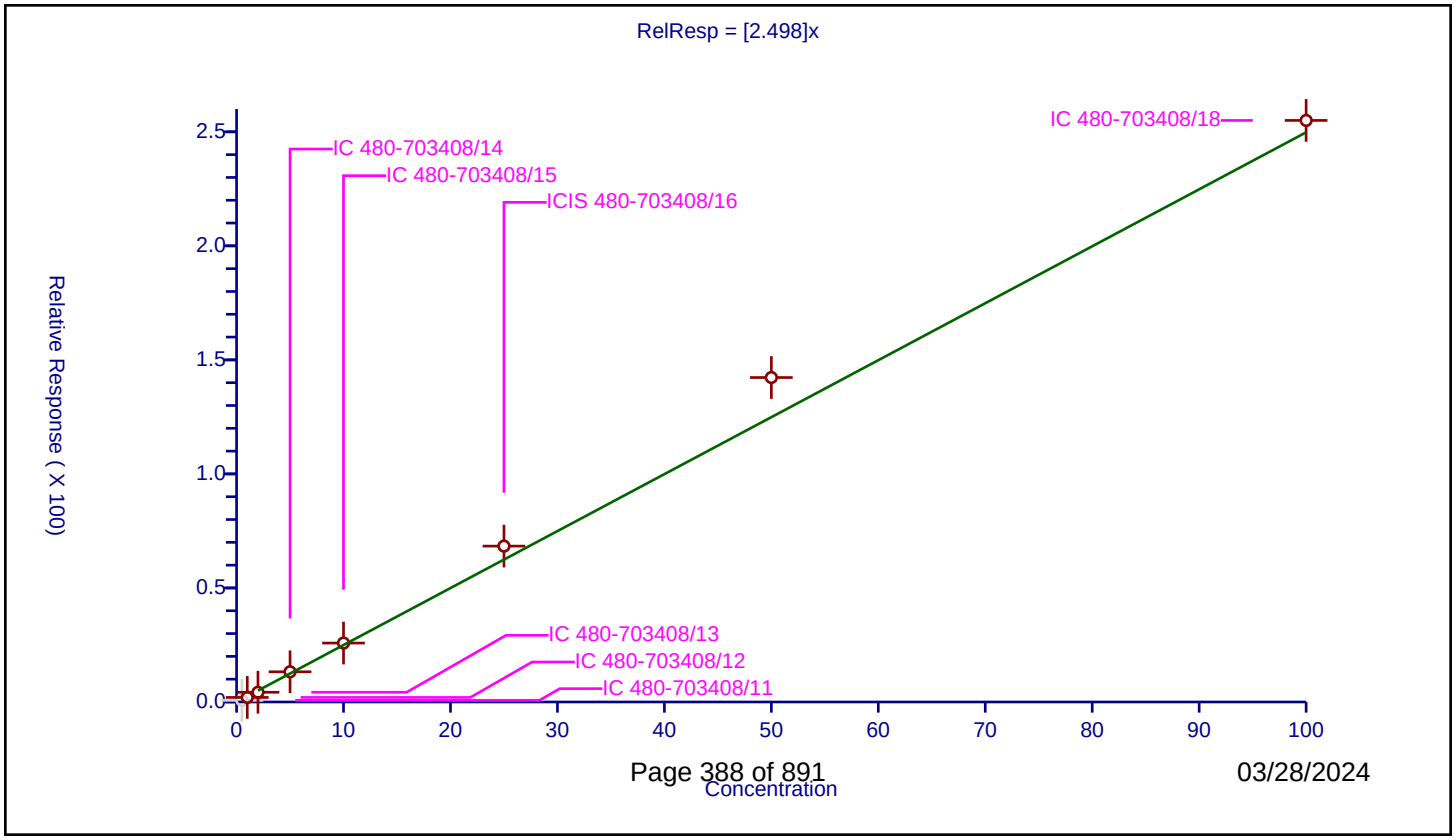
Curve Coefficients

Intercept:	0
Slope:	2.498

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.714323	25.0	346762.0	1.428646	N
2	IC 480-703408/12	1.0	1.990191	25.0	372213.0	1.990191	Y
3	IC 480-703408/13	2.0	4.261912	25.0	325212.0	2.130956	Y
4	IC 480-703408/14	5.0	13.246177	25.0	371058.0	2.649235	Y
5	IC 480-703408/15	10.0	25.838553	25.0	373262.0	2.583855	Y
6	ICIS 480-703408/16	25.0	68.347424	25.0	380875.0	2.733897	Y
7	IC 480-703408/17	50.0	142.270475	25.0	383096.0	2.84541	Y
8	IC 480-703408/18	100.0	254.993646	25.0	426512.0	2.549936	Y



Calibration / 1,4-Dichlorobenzene

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

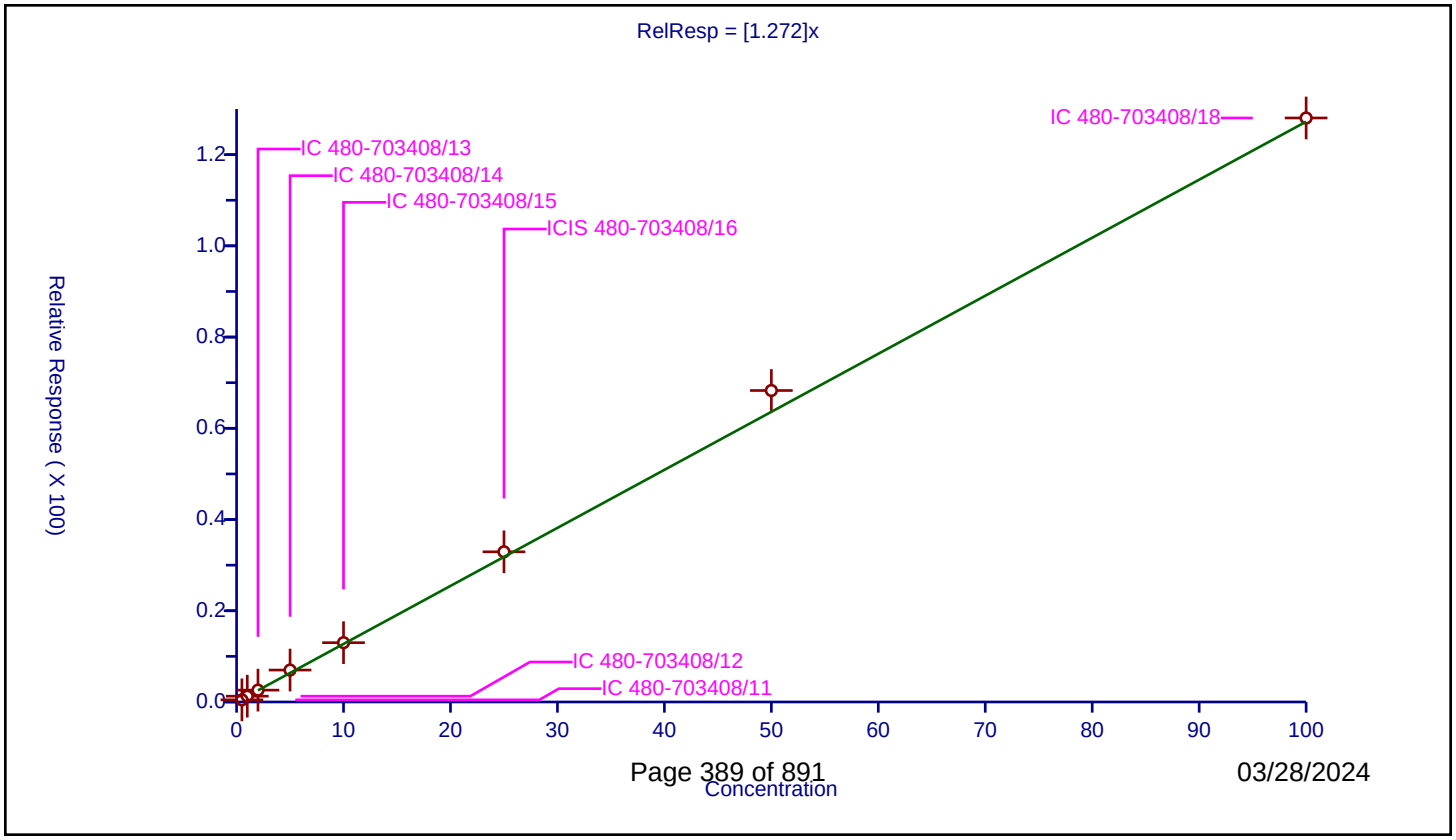
Curve Coefficients

Intercept:	0
Slope:	1.272

Error Coefficients

Relative Standard Deviation:	11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.471793	25.0	346762.0	0.943587	Y
2	IC 480-703408/12	1.0	1.272054	25.0	372213.0	1.272054	Y
3	IC 480-703408/13	2.0	2.596845	25.0	325212.0	1.298422	Y
4	IC 480-703408/14	5.0	7.002275	25.0	371058.0	1.400455	Y
5	IC 480-703408/15	10.0	13.005074	25.0	373262.0	1.300507	Y
6	ICIS 480-703408/16	25.0	32.920971	25.0	380875.0	1.316839	Y
7	IC 480-703408/17	50.0	68.289672	25.0	383096.0	1.365793	Y
8	IC 480-703408/18	100.0	128.033326	25.0	426512.0	1.280333	Y



Calibration / n-Butylbenzene

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

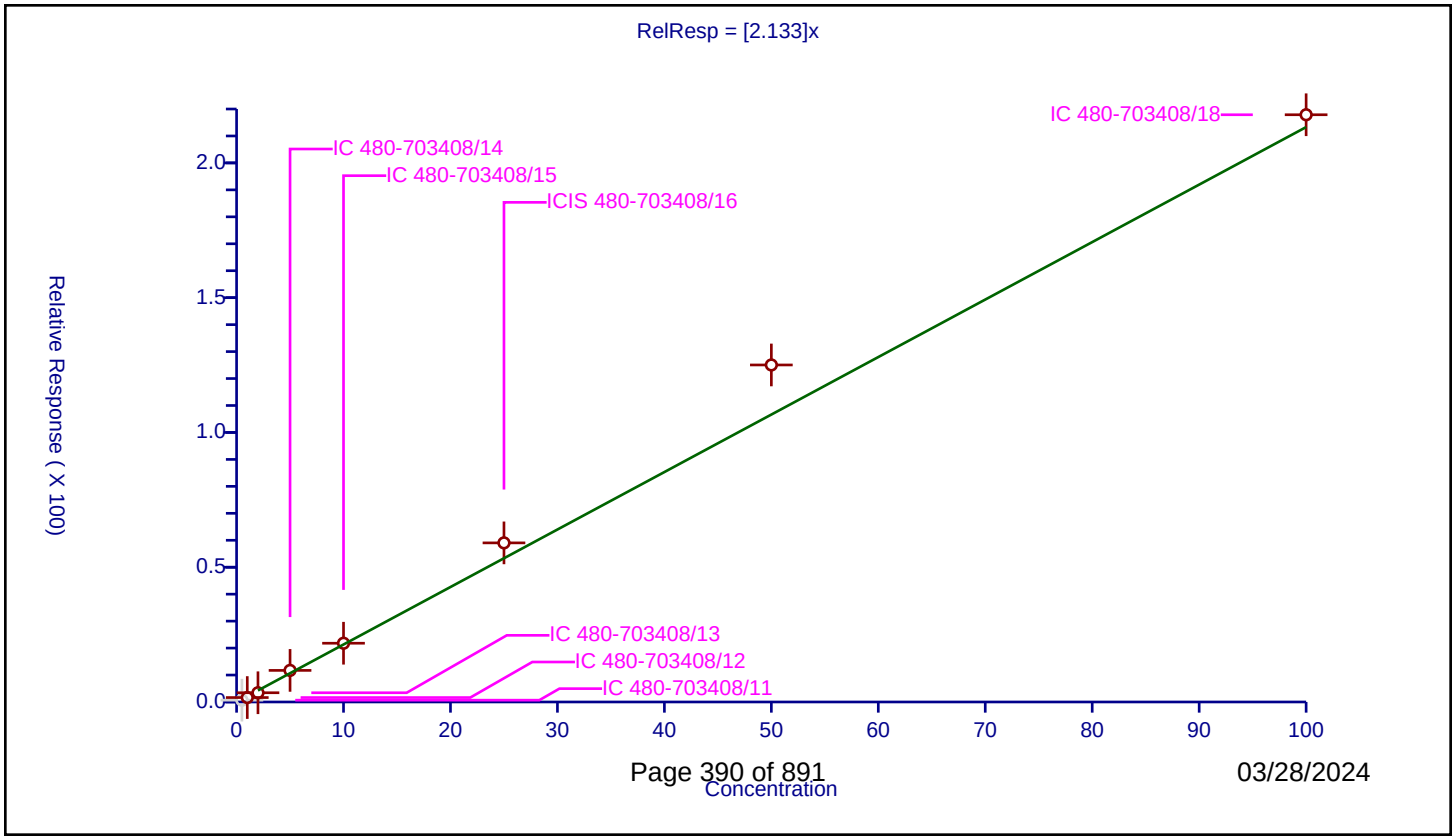
Curve Coefficients

Intercept:	0
Slope:	2.133

Error Coefficients

Relative Standard Deviation:	15.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.678708	25.0	346762.0	1.357415	N
2	IC 480-703408/12	1.0	1.650601	25.0	372213.0	1.650601	Y
3	IC 480-703408/13	2.0	3.428072	25.0	325212.0	1.714036	Y
4	IC 480-703408/14	5.0	11.719799	25.0	371058.0	2.34396	Y
5	IC 480-703408/15	10.0	21.802313	25.0	373262.0	2.180231	Y
6	ICIS 480-703408/16	25.0	59.030719	25.0	380875.0	2.361229	Y
7	IC 480-703408/17	50.0	125.043788	25.0	383096.0	2.500876	Y
8	IC 480-703408/18	100.0	217.872768	25.0	426512.0	2.178728	Y



Calibration / 1,2-Dichlorobenzene

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

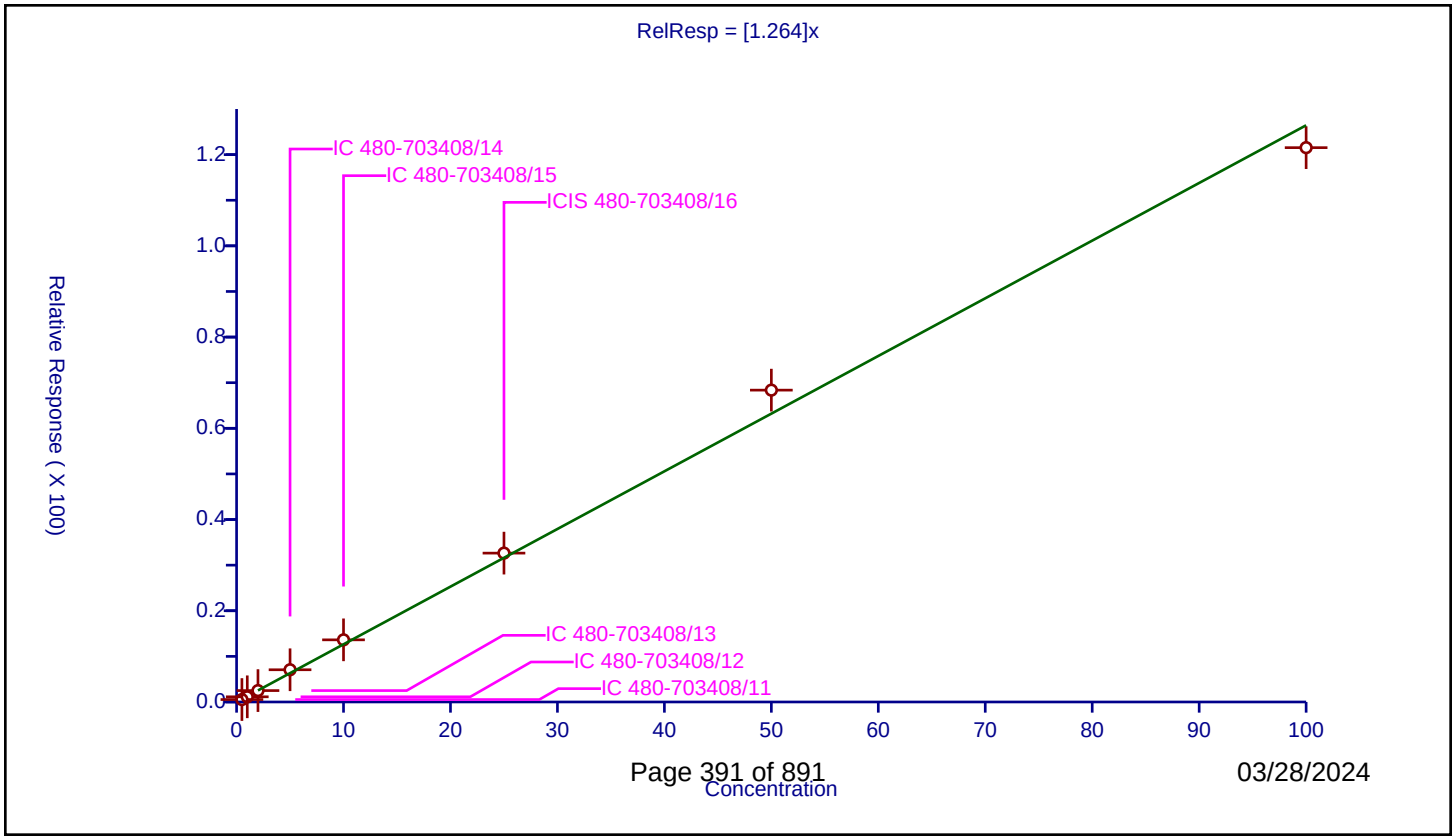
Curve Coefficients

Intercept:	0
Slope:	1.264

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.532209	25.0	346762.0	1.064419	Y
2	IC 480-703408/12	1.0	1.136648	25.0	372213.0	1.136648	Y
3	IC 480-703408/13	2.0	2.499139	25.0	325212.0	1.24957	Y
4	IC 480-703408/14	5.0	7.065742	25.0	371058.0	1.413148	Y
5	IC 480-703408/15	10.0	13.622938	25.0	373262.0	1.362294	Y
6	ICIS 480-703408/16	25.0	32.638267	25.0	380875.0	1.305531	Y
7	IC 480-703408/17	50.0	68.370069	25.0	383096.0	1.367401	Y
8	IC 480-703408/18	100.0	121.53134	25.0	426512.0	1.215313	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

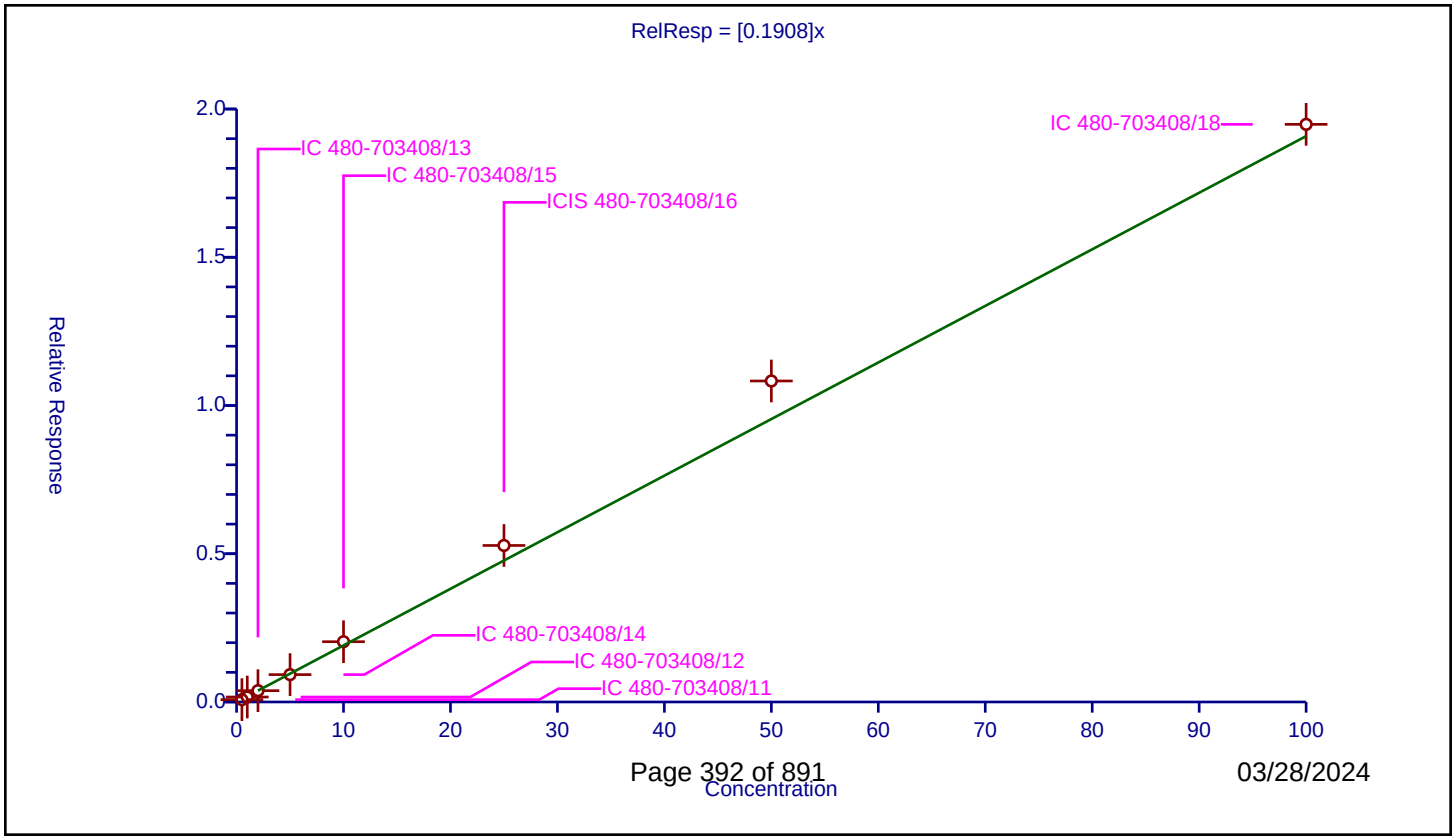
Curve Coefficients

Intercept:	0
Slope:	0.1908

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.078584	25.0	346762.0	0.157168	Y
2	IC 480-703408/12	1.0	0.168049	25.0	372213.0	0.168049	Y
3	IC 480-703408/13	2.0	0.381905	25.0	325212.0	0.190952	Y
4	IC 480-703408/14	5.0	0.923575	25.0	371058.0	0.184715	Y
5	IC 480-703408/15	10.0	2.033223	25.0	373262.0	0.203322	Y
6	ICIS 480-703408/16	25.0	5.279291	25.0	380875.0	0.211172	Y
7	IC 480-703408/17	50.0	10.82666	25.0	383096.0	0.216533	Y
8	IC 480-703408/18	100.0	19.482512	25.0	426512.0	0.194825	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

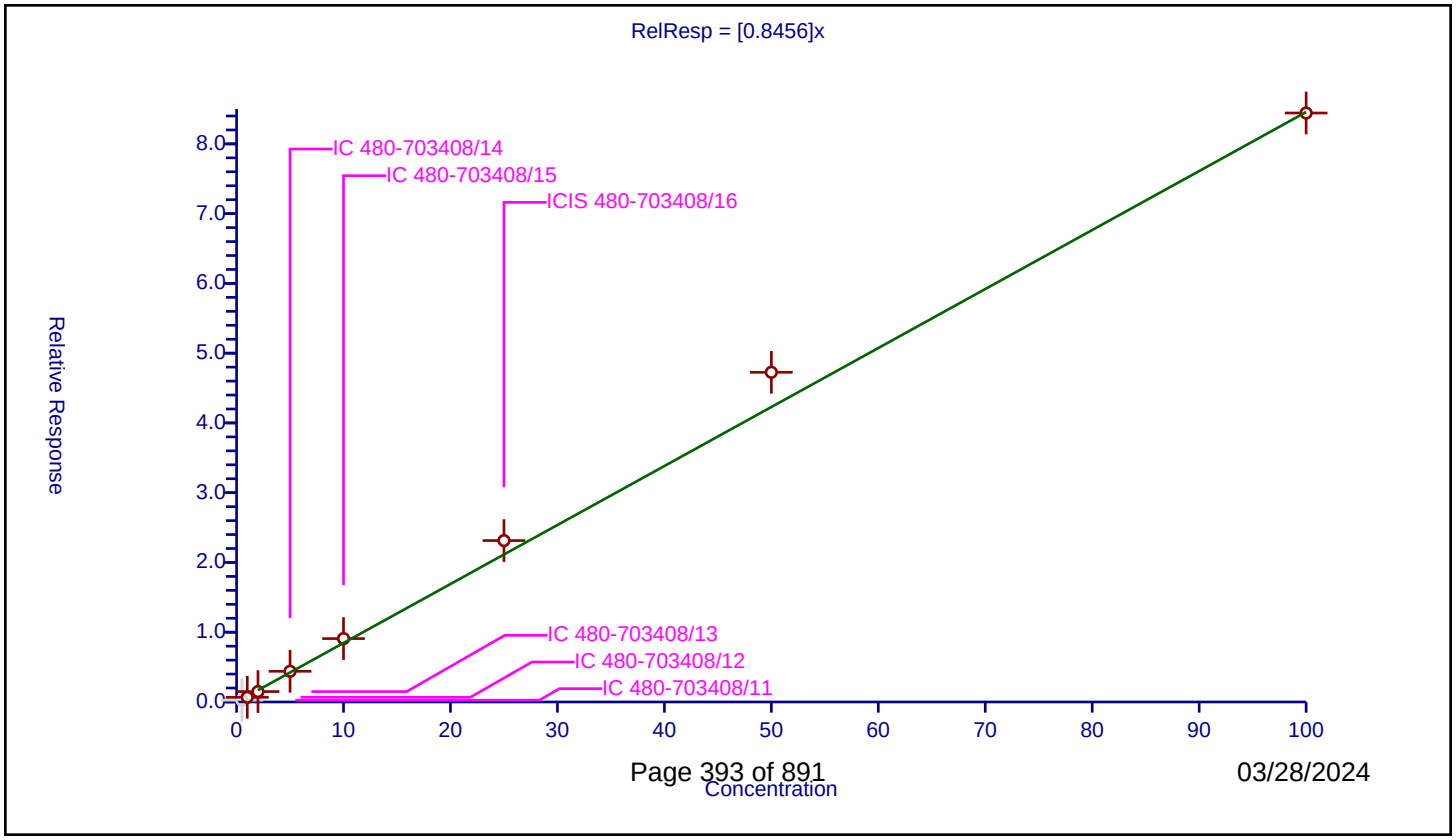
Curve Coefficients

Intercept:	0
Slope:	0.8456

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.257309	25.0	346762.0	0.514618	N
2	IC 480-703408/12	1.0	0.669442	25.0	372213.0	0.669442	Y
3	IC 480-703408/13	2.0	1.491027	25.0	325212.0	0.745514	Y
4	IC 480-703408/14	5.0	4.402411	25.0	371058.0	0.880482	Y
5	IC 480-703408/15	10.0	9.088857	25.0	373262.0	0.908886	Y
6	ICIS 480-703408/16	25.0	23.140335	25.0	380875.0	0.925613	Y
7	IC 480-703408/17	50.0	47.260282	25.0	383096.0	0.945206	Y
8	IC 480-703408/18	100.0	84.425116	25.0	426512.0	0.844251	Y



Calibration / Hexachlorobutadiene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

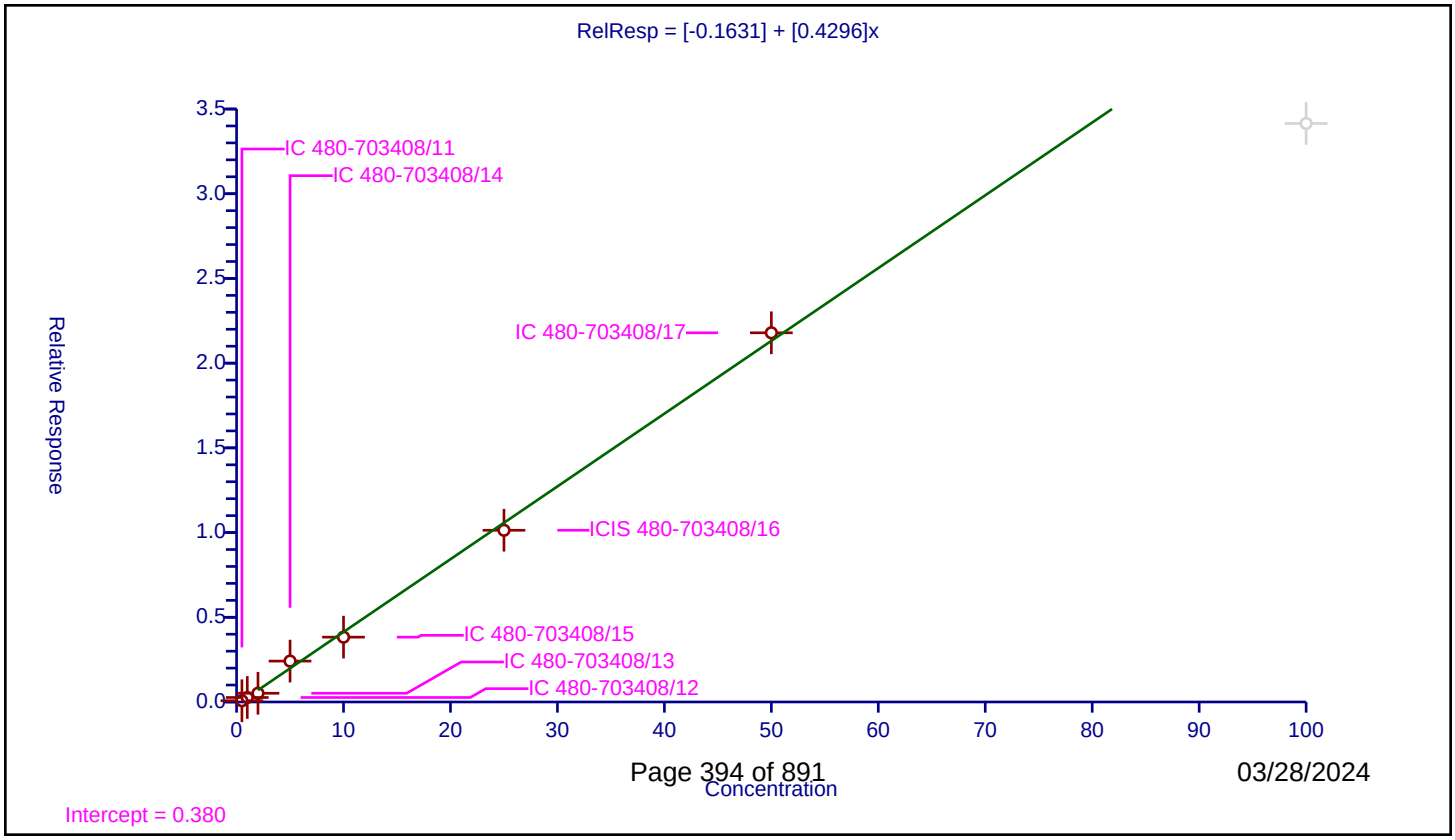
Curve Coefficients

Intercept:	-0.1631
Slope:	0.4296

Error Coefficients

Relative Standard Deviation:	14.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.07361	25.0	346762.0	0.147219	Y
2	IC 480-703408/12	1.0	0.265708	25.0	372213.0	0.265708	Y
3	IC 480-703408/13	2.0	0.515664	25.0	325212.0	0.257832	Y
4	IC 480-703408/14	5.0	2.413504	25.0	371058.0	0.482701	Y
5	IC 480-703408/15	10.0	3.827338	25.0	373262.0	0.382734	Y
6	ICIS 480-703408/16	25.0	10.135018	25.0	380875.0	0.405401	Y
7	IC 480-703408/17	50.0	21.791666	25.0	383096.0	0.435833	Y
8	IC 480-703408/18	100.0	34.148277	25.0	426512.0	0.341483	N



Calibration / Naphthalene

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

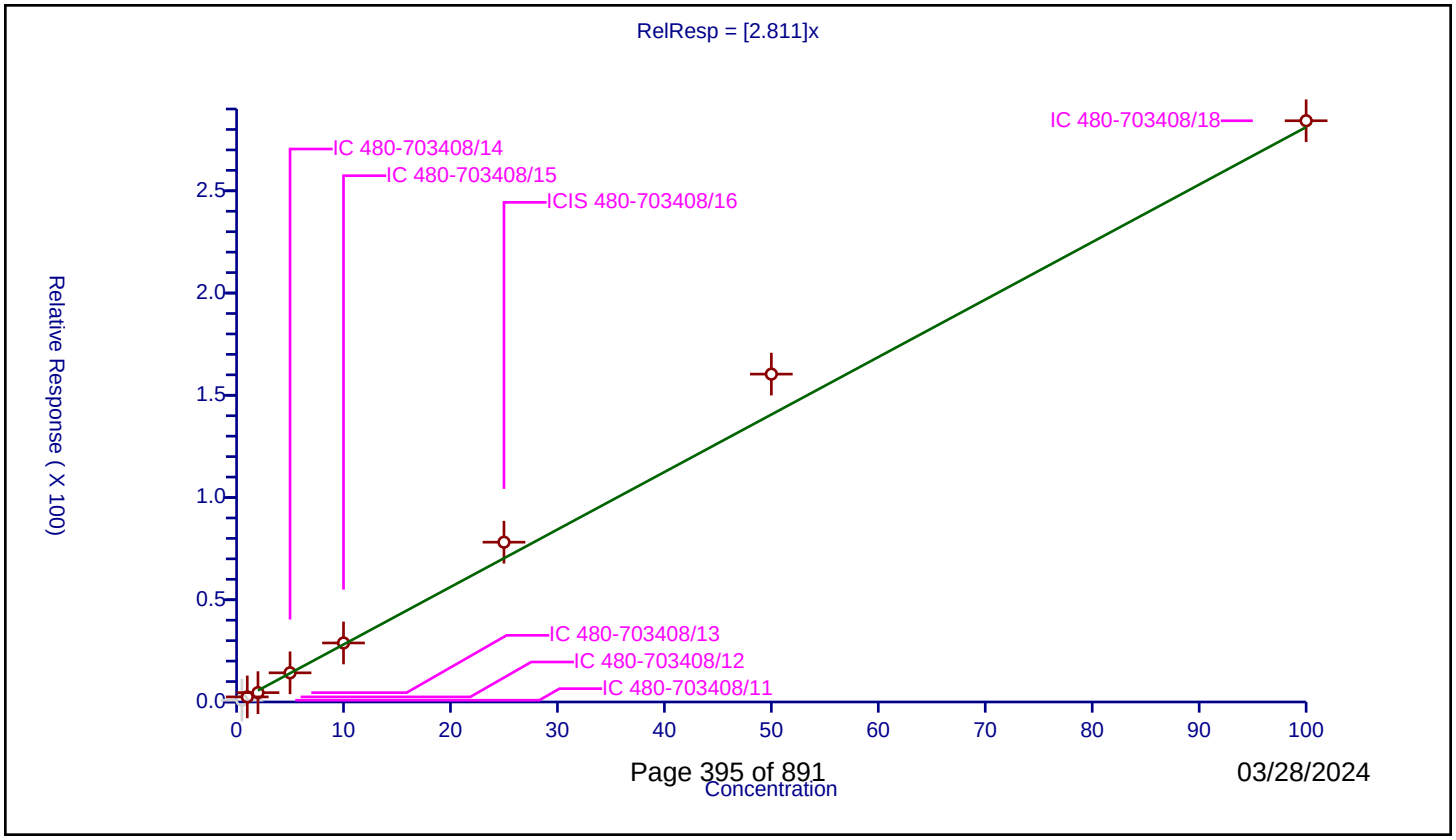
Curve Coefficients

Intercept:	0
Slope:	2.811

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.863128	25.0	346762.0	1.726256	N
2	IC 480-703408/12	1.0	2.478957	25.0	372213.0	2.478957	Y
3	IC 480-703408/13	2.0	4.568789	25.0	325212.0	2.284394	Y
4	IC 480-703408/14	5.0	14.265021	25.0	371058.0	2.853004	Y
5	IC 480-703408/15	10.0	28.873017	25.0	373262.0	2.887302	Y
6	ICIS 480-703408/16	25.0	78.148933	25.0	380875.0	3.125957	Y
7	IC 480-703408/17	50.0	160.356673	25.0	383096.0	3.207133	Y
8	IC 480-703408/18	100.0	284.2658	25.0	426512.0	2.842658	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

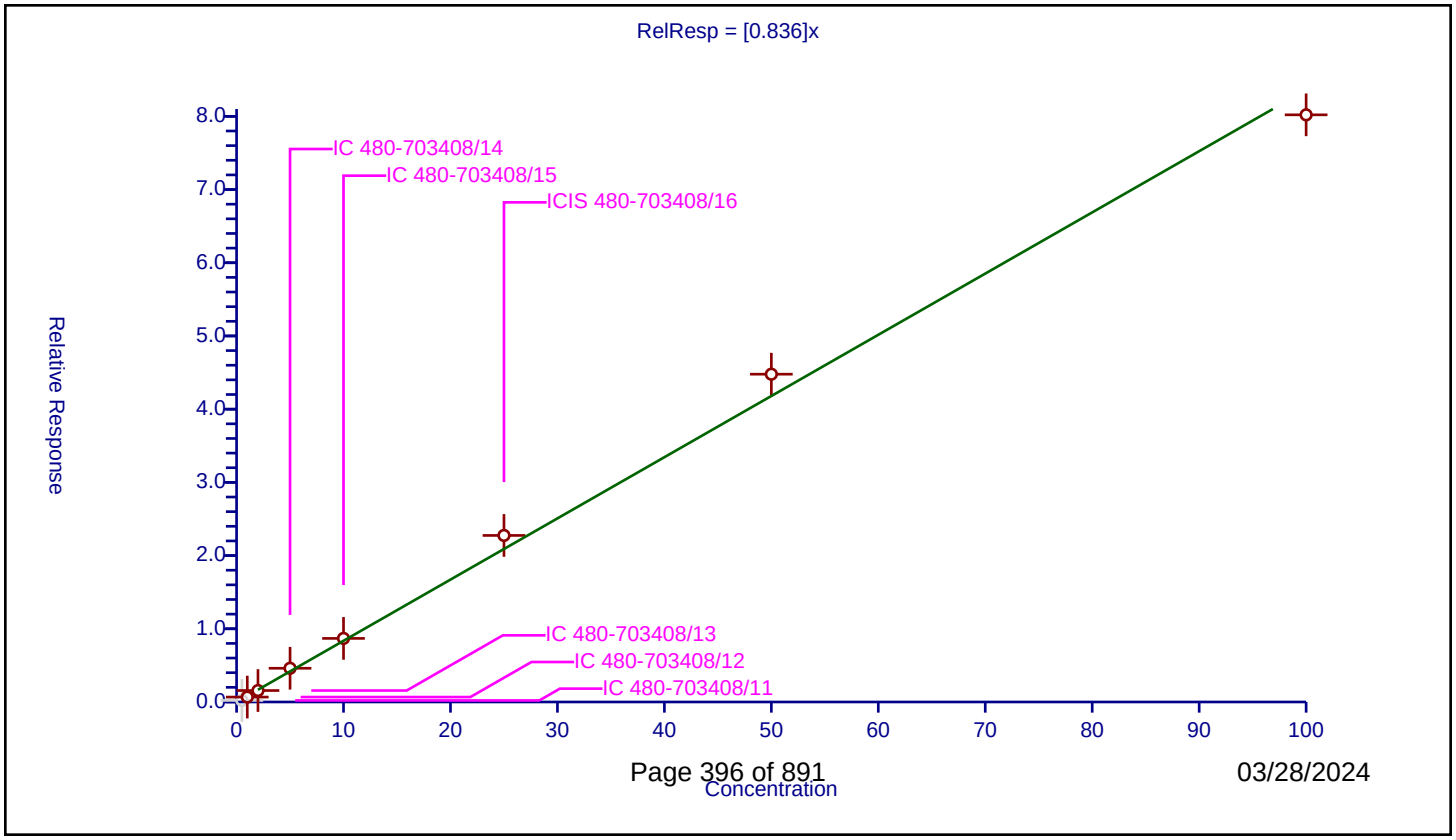
Curve Coefficients

Intercept:	0
Slope:	0.836

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703408/11	0.5	0.21261	25.0	346762.0	0.42522	N
2	IC 480-703408/12	1.0	0.672196	25.0	372213.0	0.672196	Y
3	IC 480-703408/13	2.0	1.563749	25.0	325212.0	0.781875	Y
4	IC 480-703408/14	5.0	4.607029	25.0	371058.0	0.921406	Y
5	IC 480-703408/15	10.0	8.687597	25.0	373262.0	0.86876	Y
6	ICIS 480-703408/16	25.0	22.749787	25.0	380875.0	0.909991	Y
7	IC 480-703408/17	50.0	44.777092	25.0	383096.0	0.895542	Y
8	IC 480-703408/18	100.0	80.20425	25.0	426512.0	0.802042	Y



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

Lab Name: Eurofins Buffalo Job No.: 480-218035-1 Analy Batch No.: 704994

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2024 22:13 Calibration End Date: 03/26/2024 00:54 Calibration ID: 46264

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-704994/7	S6722.d
Level 2	IC 480-704994/8	S6723.d
Level 3	IC 480-704994/9	S6724.d
Level 4	IC 480-704994/10	S6725.d
Level 5	IC 480-704994/11	S6726.d
Level 6	ICIS 480-704994/12	S6727.d
Level 7	IC 480-704994/13	S6728.d
Level 8	IC 480-704994/14	S6729.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 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	1.4977 1.4324	1.5257 1.4800	1.3113 1.4099	1.3642	1.4324	Ave		1.4317			0.1000	4.9		20.0			
Chloromethane	+++++ 1.5210	1.6982 1.5145	1.5121 1.5015	1.4582	1.5141	Ave		1.5314			0.1000	5.0		20.0			
Vinyl chloride	1.3883 1.3402	1.4829 1.4143	1.2222 1.3668	1.3254	1.3267	Ave		1.3584			0.1000	5.6		20.0			
Butadiene	+++++ 1.5931	1.5966 1.6345	1.6157 1.5889	1.5346	1.5925	Ave		1.5937				1.9		20.0			
Bromomethane	+++++ 0.7049	0.7868 0.7447	0.6149 0.7349	0.7151	0.6948	Ave		0.7137			0.1000	7.4		20.0			
Chloroethane	0.8579 0.7628	0.9501 0.7776	0.6438 0.7502	0.6963	0.7777	Ave		0.7771			0.1000	12.1		20.0			
Trichlorofluoromethane	2.0903 1.8721	1.9716 1.9136	1.5077 1.9112	1.7467	1.8589	Ave		1.8590			0.1000	9.3		20.0			
Dichlorofluoromethane	2.0311 2.0457	2.2305 2.1184	1.7304 2.1358	2.0274	2.0649	Ave		2.0480				7.1		20.0			
Ethyl ether	1.2035 1.0637	1.3185 1.1171	0.9848 1.0693	1.0234	1.0939	Ave		1.1093				9.6		20.0			
Acrolein	+++++ 0.0432	0.0408 0.0476	0.0397 0.0461	0.0426	0.0492	Ave		0.0442				8.0		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0108 0.8902	1.0231 0.9884	0.9069 0.9560	0.9571	1.0427	Ave		0.9719			0.1000	5.6		20.0			
1,1-Dichloroethene	0.9058 0.8036	0.8254 0.8713	0.7486 0.8327	0.8267	0.7946	Ave		0.8261			0.1000	5.8		20.0			
Acetone	0.6500 0.5354	0.6845 0.5676	0.5285 0.5341	0.5420	0.5762	Ave		0.5773			0.1000	10.2		20.0			

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

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

Lab Name: Eurofins Buffalo Job No.: 480-218035-1 Analy Batch No.: 704994

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2024 22:13 Calibration End Date: 03/26/2024 00:54 Calibration ID: 46264

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Iodomethane	1.8773 1.4415	1.6068 1.5134	1.3038 1.4931	1.4091	1.4655	Ave		1.5138				11.3		20.0			
Carbon disulfide	2.5805 2.5851	2.7343 2.7838	2.3442 2.7790	2.4761	2.6344	Ave		2.6147			0.1000	5.9		20.0			
Allyl chloride	2.2688 1.9304	2.0000 2.1199	1.7784 2.0124	1.8781	2.0290	Ave		2.0021				7.5		20.0			
Methyl acetate	1.6783 1.3358	1.5547 1.3730	1.2741 1.3204	1.4237	1.3770	Ave		1.4171			0.1000	9.5		20.0			
Methylene Chloride	1.9989 1.0572	1.6590 1.2207	1.2692 1.0682	1.2978	1.2265	Lin1	0.5015	1.1071			0.1000	8.5			0.9960		0.9900
2-Methyl-2-propanol	0.1941 0.1914	0.1820 0.1971	0.1522 0.1951	0.1623	0.1764	Ave		0.1813				9.2		20.0			
Methyl tert-butyl ether	5.0549 4.1182	4.5576 4.3750	3.7125 4.2778	4.0061	4.1741	Ave		4.2845			0.1000	9.3		20.0			
trans-1,2-Dichloroethene	1.3895 1.1210	1.2329 1.1908	1.1013 1.1556	1.1434	1.1780	Ave		1.1891			0.1000	7.6		20.0			
Acrylonitrile	0.7469 0.7176	0.7809 0.7675	0.6805 0.7445	0.7105	0.7450	Ave		0.7367				4.4		20.0			
Hexane	2.2037 1.9625	2.2214 2.0857	1.9803 2.0033	2.0314	2.1734	Ave		2.0827				5.0		20.0			
1,1-Dichloroethane	2.6335 2.2059	2.5796 2.3238	2.1417 2.2458	2.1803	2.3539	Ave		2.3331			0.2000	7.9		20.0			
Vinyl acetate	2.4086 3.0532	2.6902 3.4661	2.3190 3.5405	2.5625	2.8746	Ave		2.8643				16.1		20.0			
2,2-Dichloropropane	1.2432 1.1818	1.2201 1.2887	1.0827 1.1941	1.1692	1.2514	Ave		1.2039				5.2		20.0			
cis-1,2-Dichloroethene	+++++ 1.2439	1.3506 1.3249	1.1235 1.2898	1.2248	1.2979	Ave		1.2651			0.1000	6.0		20.0			
2-Butanone (MEK)	1.1161 0.9475	0.9579 1.0039	0.8630 0.9820	0.8900	0.9566	Ave		0.9646			0.1000	7.9		20.0			
Chlorobromomethane	0.5848 0.6261	0.6484 0.6587	0.5937 0.6465	0.6286	0.6739	Ave		0.6326				4.9		20.0			
Tetrahydrofuran	0.6660 0.6254	0.6852 0.6780	0.5425 0.6522	0.6377	0.6275	Ave		0.6393				7.0		20.0			
Chloroform	2.4034 2.1434	2.7291 2.3254	1.9720 2.2505	2.0824	2.2482	Ave		2.2693			0.2000	10.2		20.0			

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

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

Lab Name: Eurofins Buffalo Job No.: 480-218035-1 Analy Batch No.: 704994

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2024 22:13 Calibration End Date: 03/26/2024 00:54 Calibration ID: 46264

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Cyclohexane	2.5786 2.4321	2.6785 2.5589	2.2143 2.4895	2.4596	2.5943	Ave		2.5007			0.1000	5.6		20.0			
1,1,1-Trichloroethane	2.0704 1.8083	1.7517 1.9797	1.5813 1.9285	1.8151	1.8278	Ave		1.8453			0.1000	8.1		20.0			
Carbon tetrachloride	1.4828 1.5008	1.5265 1.7351	1.2246 1.7437	1.3385	1.5132	Ave		1.5081			0.1000	11.7		20.0			
1,1-Dichloropropene	1.9220 1.8011	1.8468 1.8969	1.6832 1.8234	1.6609	1.8298	Ave		1.8080				5.1		20.0			
Benzene	5.9138 4.9568	5.6244 5.3527	4.5889 5.2090	5.0487	5.2311	Ave		5.2407			0.5000	7.8		20.0			
Isobutyl alcohol	0.0705 0.0818	0.0673 0.0958	0.0634 0.0972	0.0667	0.0755	Ave		0.0773				17.1		20.0			
1,2-Dichloroethane	2.0754 2.0071	2.2268 2.1250	1.9256 2.0776	2.0090	2.1080	Ave		2.0693			0.1000	4.4		20.0			
n-Heptane	+++++ 2.2944	2.2704 2.3599	2.0089 2.3031	2.3654	2.4938	Ave		2.2994				6.4		20.0			
Trichloroethene	1.3552 1.2060	1.2160 1.3143	1.1670 1.2638	1.1929	1.2341	Ave		1.2437			0.2000	5.1		20.0			
Methylcyclohexane	2.6306 2.2220	2.4422 2.3906	1.9831 2.3296	2.1698	2.3102	Ave		2.3098			0.1000	8.4		20.0			
1,2-Dichloropropane	1.5708 1.2598	1.2656 1.3129	1.2979 1.3091	1.2471	1.2831	Ave		1.3183			0.1000	7.9		20.0			
Dibromomethane	0.9121 0.7754	0.7889 0.8178	0.7115 0.7956	0.7269	0.7831	Ave		0.7889			0.1000	7.7		20.0			
1,4-Dioxane	+++++ 0.0081	0.0093 0.0081	0.0088 0.0082	0.0079	0.0087	Ave		0.0085				6.0		20.0			
Bromodichloromethane	1.3545 1.5532	1.7309 1.7295	1.3711 1.7388	1.4420	1.5219	Ave		1.5552			0.2000	10.4		20.0			
2-Chloroethyl vinyl ether	0.7578 0.9042	0.7527 0.9689	0.7530 0.9835	0.7980	0.8484	Ave		0.8458				11.4		20.0			
cis-1,3-Dichloropropene	1.6962 1.9269	1.9564 2.1760	1.6105 2.2032	1.7122	1.9679	Ave		1.9062			0.2000	11.5		20.0			
4-Methyl-2-pentanone (MIBK)	1.0076 1.0081	1.0692 1.0727	0.9402 1.0231	0.9762	1.0079	Ave		1.0131			0.1000	4.3		20.0			
Toluene	1.8247 1.5719	1.5877 1.6606	1.3363 1.6034	1.5706	1.5642	Ave		1.5899			0.4000	8.4		20.0			

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

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

Lab Name: Eurofins Buffalo Job No.: 480-218035-1 Analy Batch No.: 704994

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2024 22:13 Calibration End Date: 03/26/2024 00:54 Calibration ID: 46264

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
trans-1,3-Dichloropropene	0.8405 0.9386	0.7445 1.0413	0.7986 1.0461	0.7759	0.8601	Ave		0.8807			0.1000	13.2		20.0			
Ethyl methacrylate	0.7172 0.9016	0.7785 0.9653	0.6818 0.9695	0.7966	0.8572	Ave		0.8335				13.0		20.0			
1,1,2-Trichloroethane	+++++ 0.4625	0.5411 0.4988	0.4808 0.4883	0.4385	0.4820	Ave		0.4846			0.1000	6.6		20.0			
Tetrachloroethene	0.8197 0.7122	0.7626 0.7437	0.7039 0.7124	0.7051	0.7208	Ave		0.7351			0.2000	5.4		20.0			
1,3-Dichloropropane	1.0697 1.0290	0.9978 1.0796	1.0000 1.0659	0.9758	1.0361	Ave		1.0317				3.7		20.0			
2-Hexanone	0.7178 0.7193	0.6896 0.7557	0.6102 0.7165	0.6686	0.7101	Ave		0.6985			0.1000	6.2		20.0			
Dibromochloromethane	0.5523 0.5363	0.4037 0.6273	0.4509 0.6328	0.4525	0.5038	Ave		0.5199			0.1000	16.0		20.0			
1,2-Dibromoethane	0.6011 0.5792	0.5087 0.6344	0.5416 0.6152	0.5258	0.5763	Ave		0.5728				7.7		20.0			
Chlorobenzene	1.7928 1.7109	1.7851 1.8311	1.6061 1.7763	1.6962	1.6749	Ave		1.7342			0.5000	4.3		20.0			
Ethylbenzene	3.2100 2.9820	3.0824 3.1813	2.8110 3.1219	2.8558	2.9632	Ave		3.0260			0.1000	4.9		20.0			
1,1,1,2-Tetrachloroethane	0.6123 0.5708	0.5136 0.6333	0.4590 0.6240	0.4920	0.5424	Ave		0.5559				11.7		20.0			
m,p-Xylene	1.1276 1.1724	1.1377 1.2519	1.0856 1.2117	1.1392	1.1643	Ave		1.1613			0.1000	4.5		20.0			
o-Xylene	1.2644 1.1615	1.2383 1.2512	1.0520 1.2117	1.1657	1.1837	Ave		1.1911			0.3000	5.7		20.0			
Styrene	1.8329 1.8686	1.9610 2.0080	1.8071 1.9734	1.7937	1.8190	Ave		1.8830			0.3000	4.5		20.0			
Bromoform	0.3557 0.3818	0.3163 0.4445	0.3040 0.4637	0.2926	0.3468	Ave		0.3632			0.1000	17.4		20.0			
Isopropylbenzene	2.8787 3.1243	2.8193 3.3235	2.7310 3.1600	2.8730	3.0031	Ave		2.9891			0.1000	6.7		20.0			
Bromobenzene	0.8080 0.7950	0.8568 0.8197	0.6809 0.7791	0.7054	0.7560	Ave		0.7751				7.6		20.0			
1,1,2,2-Tetrachloroethane	0.8609 0.8256	0.8353 0.8504	0.7648 0.8075	0.7576	0.7687	Ave		0.8088			0.3000	5.0		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 Buffalo Job No.: 480-218035-1 Analy Batch No.: 704994

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2024 22:13 Calibration End Date: 03/26/2024 00:54 Calibration ID: 46264

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
N-Propylbenzene	3.7690 3.5864	3.6015 3.8491	3.1816 3.6834	3.3144	3.5693	Ave		3.5693				6.2		20.0			
1,2,3-Trichloropropane	0.2517 0.2890	0.2647 0.2939	0.2392 0.2777	0.2550	0.2735	Ave		0.2681				7.1		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2836	0.2310 0.3143	0.1839 0.3054	0.2375	0.2439	Ave		0.2571				18.0		20.0			
2-Chlorotoluene	0.8082 0.6977	0.7368 0.7325	0.6509 0.6845	0.6531	0.6784	Ave		0.7053				7.4		20.0			
1,3,5-Trimethylbenzene	2.7057 2.7296	2.6412 2.8934	2.3059 2.7533	2.4788	2.6669	Ave		2.6469				6.8		20.0			
4-Chlorotoluene	0.8180 0.7023	0.7332 0.7374	0.6277 0.7075	0.7138	0.7004	Ave		0.7175				7.3		20.0			
tert-Butylbenzene	0.5666 0.5847	0.5191 0.6359	0.4495 0.5902	0.5594	0.5932	Ave		0.5623				10.0		20.0			
1,2,4-Trimethylbenzene	2.6386 2.8294	2.4690 2.9794	2.2841 2.8287	2.5340	2.6996	Ave		2.6579				8.5		20.0			
sec-Butylbenzene	3.1944 3.5230	3.3530 3.6850	2.9708 3.5084	3.2808	3.4115	Ave		3.3659				6.6		20.0			
1,3-Dichlorobenzene	1.5928 1.4664	1.4359 1.5354	1.3683 1.4409	1.3809	1.4418	Ave		1.4578			0.6000	5.1		20.0			
4-Isopropyltoluene	2.6637 3.0270	2.7258 3.2092	2.5467 3.0201	2.7858	2.9671	Ave		2.8682				7.8		20.0			
1,4-Dichlorobenzene	1.6924 1.5161	1.4769 1.5511	1.3765 1.4682	1.4360	1.5079	Ave		1.5031			0.5000	6.2		20.0			
n-Butylbenzene	2.3846 2.6511	2.4673 2.8243	2.3619 2.6401	2.5028	2.6312	Ave		2.5579				6.1		20.0			
1,2-Dichlorobenzene	1.4832 1.4716	1.5704 1.5160	1.2836 1.4254	1.3532	1.4440	Ave		1.4434			0.4000	6.3		20.0			
1,2-Dibromo-3-Chloropropane	0.1290 0.1690	0.1581 0.1969	0.1136 0.1935	0.1402	0.1634	Ave		0.1580			0.0500	18.6		20.0			
1,2,4-Trichlorobenzene	1.2225 1.1584	0.9400 1.1966	0.9391 1.1630	1.0059	1.0953	Ave		1.0901			0.2000	10.5		20.0			
Hexachlorobutadiene	0.5583 0.5530	0.5343 0.5867	0.5054 0.4345	0.5229	0.5495	Ave		0.5306				8.6		20.0			
Naphthalene	2.5310 3.0533	2.5685 3.3131	2.3127 3.2542	2.4398	2.8299	Ave		2.7878				13.7		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 Buffalo Job No.: 480-218035-1 Analy Batch No.: 704994

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2024 22:13 Calibration End Date: 03/26/2024 00:54 Calibration ID: 46264

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichlorobenzene	1.0207 1.0920	1.0628 1.1607	0.8883 1.1478	0.9998	1.0446	Ave		1.0521				8.3		20.0			
Dibromofluoromethane (Surr)	1.0966 1.0993	1.1920 1.1645	1.1176 1.1692	1.1444	1.1612	Ave		1.1431				3.1		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8725 0.8052	0.9074 0.8670	0.8311 0.8461	0.8468	0.8580	Ave		0.8543				3.5		20.0			
Toluene-d8 (Surr)	2.2530 2.2353	2.4005 2.3200	2.2600 2.3300	2.2631	2.2950	Ave		2.2946				2.4		20.0			
4-Bromofluorobenzene (Surr)	0.7903 0.7619	0.7945 0.8059	0.7874 0.8090	0.7762	0.7576	Ave		0.7854				2.4		20.0			

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

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 704994

SDG No.:

Instrument ID: HP5973S | GC Column: ZB-624 (20 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2024 22:13 | Calibration End Date: 03/26/2024 00:54 | Calibration ID: 46264

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-704994/7	S6722.d
Level 2	IC 480-704994/8	S6723.d
Level 3	IC 480-704994/9	S6724.d
Level 4	IC 480-704994/10	S6725.d
Level 5	IC 480-704994/11	S6726.d
Level 6	ICIS 480-704994/12	S6727.d
Level 7	IC 480-704994/13	S6728.d
Level 8	IC 480-704994/14	S6729.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	6328 312272	12035 636783	22918 1241448	58965	117059	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	+++++ 331580	13396 651609	26429 1322068	63031	123738	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	5866 292181	11698 608515	21361 1203472	57291	108426	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	+++++ 347309	12595 703256	28239 1399064	66333	130149	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	+++++ 153681	6207 320409	10747 647079	30911	56780	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	3625 166297	7495 334565	11252 660606	30099	63556	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	8832 408137	15553 823331	26352 1682831	75498	151920	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	8582 445968	17595 911442	30243 1880603	87634	168750	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	5085 231898	10401 480653	17213 941558	44236	89401	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	+++++ 47090	1608 102306	3472 203028	9197	20121	+++++ 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	4271 194066	8071 425243	15850 841763	41371	85216	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	3827 175191	6511 374858	13084 733210	35733	64938	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	13732 583615	26997 1220955	46184 2351606	117142	235462	2.50 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	7932 314263	12675 651138	22787 1314664	60906	119768	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	10903	21569	40971	107028	215293	0.500	1.00	2.00	5.00	10.0

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 704994

SDG No.:

Instrument ID: HP5973S | GC Column: ZB-624 (20 ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2024 22:13 | Calibration End Date: 03/26/2024 00:54 | Calibration ID: 46264

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			563558	1197748	2446984			25.0	50.0	100		
Allyl chloride	FB	Ave	9586 420842	15777 912107	31082 1772001	81179	165822	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	14182 582443	24528 1181451	44538 2325205	123073	225068	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	8446 230481	13087 525191	22183 940604	56096	100237	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	8200 417172	14358 848057	26608 1717808	70174	144125	5.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	21358 897795	35952 1882355	64887 3766692	173160	341122	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	5871 244385	9726 512327	19248 1017550	49421	96271	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	31558 1564374	61598 3302262	118934 6555385	307092	608818	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	9311 427845	17523 897361	34611 1763984	87805	177621	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	11127 480889	20349 999802	37433 1977465	94240	192374	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	20354 1331208	42443 2982618	81063 6234899	221526	469851	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	5253 257646	9625 554486	18923 1051449	50536	102274	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 271185	10654 570051	19636 1135687	52942	106069	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	23578 1032753	37781 2159547	75414 4323233	192354	390900	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	2471 136484	5115 283422	10376 569276	27172	55077	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	5628 272659	10811 583429	18964 1148528	55129	102570	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	10155 467281	21528 1000523	34467 1981649	90012	183732	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	10895 530213	21129 1100960	38701 2192022	106313	212021	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	8748 394219	13818 851757	27637 1698091	78456	149379	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	6265 327180	12042 746526	21403 1535349	57856	123666	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	8121 392645	14568 816135	29419 1605571	71790	149543	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 704994

SDG No.:

Instrument ID: HP5973S | GC Column: ZB-624 (20 ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2024 22:13 | Calibration End Date: 03/26/2024 00:54 | Calibration ID: 46264

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	24987 1080598	44368 2303030	80204 4586606	218224	427511	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	7445 445812	13264 1030680	27693 2140444	72111	154248	12.5 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	8769 437563	17566 914299	33655 1829373	86837	172274	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	+++++ 500189	17910 1015339	35112 2027923	102242	203807	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	5726 262917	9592 565479	20397 1112820	51562	100857	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	11115 484409	19265 1028546	34661 2051258	93790	188802	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	6637 274648	9984 564861	22685 1152661	53904	104864	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	3854 169041	6223 351843	12435 700532	31420	64000	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZd5	Ave	+++++ 68889	2985 136850	5872 293113	13438	28277	+++++ 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	5723 338608	13654 744126	23964 1531022	62330	124380	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	3202 197130	5938 416858	13161 865961	34491	69331	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	7167 420072	15433 936239	28149 1939981	74010	160825	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZd5	Ave	41246 2139480	85485 4550978	157266 9107959	413225	819248	2.50 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZd5	Ave	14939 667162	25388 1409029	44707 2854934	132961	254295	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZd5	Ave	6881 398377	11905 883520	26717 1862572	65688	139829	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZd5	Ave	5872 382693	12449 819108	22810 1726290	67437	139352	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZd5	Ave	+++++ 196296	8653 423242	16084 869495	37123	78356	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZd5	Ave	6711	12195	23549	59696	117184	0.500	1.00	2.00	5.00	10.0

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 704994

SDG No.:

Instrument ID: HP5973S | GC Column: ZB-624 (20 ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2024 22:13 | Calibration End Date: 03/26/2024 00:54 | Calibration ID: 46264

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			302267	631050	1268382			25.0	50.0	100		
1,3-Dichloropropane	CBNZd5	Ave	8758 436750	15956 916076	33454 1897859	82608	168438	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZd5	Ave	29384 1526602	55135 3205934	102076 6378712	282994	577216	2.50 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZd5	Ave	4522 227626	6455 532303	15083 1126729	38309	81901	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZd5	Ave	4921 245845	8134 538296	18118 1095369	44517	93686	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chlorobenzene	CBNZd5	Ave	14678 726163	28545 1553679	53733 3162688	143599	272290	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZd5	Ave	26281 1265679	49289 2699384	94040 5558616	241767	481730	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZd5	Ave	5013 242252	8213 537336	15354 1111096	41648	88181	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZd5	Ave	9232 497625	18192 1062224	36319 2157388	96442	189275	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZd5	Ave	10352 492991	19802 1061669	35193 2157400	98685	192434	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZd5	Ave	15006 793111	31358 1703804	60456 3513581	151852	295708	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZd5	Ave	2912 162047	5058 377154	10169 825694	24767	56375	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd4	Ave	24889 1316477	47384 2791360	96264 5764022	253430	503044	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd4	Ave	6986 334993	14401 688498	24002 1421119	62219	126627	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd4	Ave	7443 347880	14039 714230	26960 1472859	66829	128760	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd4	Ave	32587 1511166	60531 3232802	112149 6718633	292359	597886	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd4	Ave	2176	4449	8432	22493	45814	0.500	1.00	2.00	5.00	10.0

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 704994

SDG No.:

Instrument ID: HP5973S | GC Column: ZB-624 (20 ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2024 22:13 | Calibration End Date: 03/26/2024 00:54 | Calibration ID: 46264

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			121792	246844	506551			25.0	50.0	100		
trans-1,4-Dichloro-2-butene	DCBd4	Ave	+++++ 119484	3883 263950	6481 557146	20947	40851	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd4	Ave	6988 293976	12383 615261	22942 1248522	57610	113640	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd4	Ave	23393 1150128	44392 2430159	81280 5022081	218659	446730	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd4	Ave	7072 295932	12323 619369	22125 1290495	62968	117316	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd4	Ave	4899 246387	8724 534081	15843 1076507	49345	99369	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd4	Ave	22813 1192217	41497 2502398	80512 5159663	223528	452200	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd4	Ave	27619 1484470	56355 3095040	104719 6399489	289400	571445	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd4	Ave	13771 617867	24134 1289560	48232 2628255	121808	241515	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd4	Ave	23030 1275454	45814 2695380	89769 5508857	245732	497005	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dichlorobenzene	DCBd4	Ave	14632 638837	24823 1302766	48521 2678117	126669	252575	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd4	Ave	20617 1117061	41468 2372093	83256 4815634	220771	440746	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd4	Ave	12824 620089	26394 1273280	45247 2599950	119370	241876	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	1115 71196	2657 165364	4003 353035	12369	27378	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd4	Ave	10570 488118	15799 1005052	33103 2121431	88732	183475	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd4	Ave	4827 233016	8980 492781	17816 792580	46124	92042	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd4	Ave	21883 1286556	43169 2782658	81522 5935797	215213	474031	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd4	Ave	8825 460136	17863 974886	31311 2093693	88195	174972	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	231660 239662	235082 250521	244177 257373	247334	237238	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	184326 175538	178958 186510	181565 186250	183017	175299	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZd5	Ave	922298	959634	945112	957944	932735	25.0	25.0	25.0	25.0	25.0

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 704994

SDG No.:

Instrument ID: HP5973S | GC Column: ZB-624 (20 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2024 22:13 | Calibration End Date: 03/26/2024 00:54 | Calibration ID: 46264

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			948769	984269	1037136			25.0	25.0	25.0		
4-Bromofluorobenzene (Surr)	CBNZd 5	Ave	323522	317633	329284	328552	307903	25.0	25.0	25.0	25.0	25.0
			323369	341900	360113			25.0	25.0	25.0		

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 704994

SDG No.:

Instrument ID: HP5973S | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2024 22:13 | Calibration End Date: 03/26/2024 00:54 | Calibration ID: 46264

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-704994/7	S6722.d
Level 2	IC 480-704994/8	S6723.d
Level 3	IC 480-704994/9	S6724.d
Level 4	IC 480-704994/10	S6725.d
Level 5	IC 480-704994/11	S6726.d
Level 6	ICIS 480-704994/12	S6727.d
Level 7	IC 480-704994/13	S6728.d
Level 8	IC 480-704994/14	S6729.d

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	4.6						30					
Chloromethane	+++++	10.9						30				
Vinyl chloride	2.2						30					
Butadiene	+++++	0.2						30				
Bromomethane	+++++	10.2						30				
Chloroethane	10.4						30					
Trichlorofluoromethane	12.4						30					
Dichlorofluoromethane	-0.8						30					
Ethyl ether	8.5						30					
Acrolein	+++++	-7.7						30				
1,1,2-Trichloro-1,2,2-trifluoroethane	4.0						30					
1,1-Dichloroethene	9.6						30					
Acetone	12.6						30					
Iodomethane	24.0						30					
Carbon disulfide	-1.3						30					

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 704994

SDG No.:

Instrument ID: HP5973S | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2024 22:13 | Calibration End Date: 03/26/2024 00:54 | Calibration ID: 46264

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Allyl chloride	13.3						30					
Methyl acetate	18.4						30					
Methylene Chloride	-10.0						30					
2-Methyl-2-propanol	7.0						30					
Methyl tert-butyl ether	18.0						30					
trans-1,2-Dichloroethene	16.9						30					
Acrylonitrile	1.4						30					
Hexane	5.8						30					
1,1-Dichloroethane	12.9						30					
Vinyl acetate	-15.9						30					
2,2-Dichloropropane	3.3						30					
cis-1,2-Dichloroethene	+++++	6.8						30				
2-Butanone (MEK)	15.7						30					
Chlorobromomethane	-7.6						30					
Tetrahydrofuran	4.2						30					
Chloroform	5.9						30					
Cyclohexane	3.1						30					
1,1,1-Trichloroethane	12.2						30					
Carbon tetrachloride	-1.7						30					
1,1-Dichloropropene	6.3						30					
Benzene	12.8						30					

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 704994

SDG No.:

Instrument ID: HP5973S | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2024 22:13 | Calibration End Date: 03/26/2024 00:54 | Calibration ID: 46264

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Isobutyl alcohol	-8.8						30					
1,2-Dichloroethane	0.3						30					
n-Heptane	+++++	-1.3						30				
Trichloroethene	9.0						30					
Methylcyclohexane	13.9						30					
1,2-Dichloropropane	19.2						30					
Dibromomethane	15.6						30					
1,4-Dioxane	+++++	10.4						30				
Bromodichloromethane	-12.9						30					
2-Chloroethyl vinyl ether	-10.4						30					
cis-1,3-Dichloropropene	-11.0						30					
4-Methyl-2-pentanone (MIBK)	-0.5						30					
Toluene	14.8						30					
trans-1,3-Dichloropropene	-4.6						30					
Ethyl methacrylate	-13.9						30					
1,1,2-Trichloroethane	+++++	11.7						30				
Tetrachloroethene	11.5						30					
1,3-Dichloropropane	3.7						30					
2-Hexanone	2.8						30					
Dibromochloromethane	6.2						30					
1,2-Dibromoethane	4.9						30					

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 704994

SDG No.:

Instrument ID: HP5973S | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2024 22:13 | Calibration End Date: 03/26/2024 00:54 | Calibration ID: 46264

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Chlorobenzene	3.4						30					
Ethylbenzene	6.1						30					
1,1,1,2-Tetrachloroethane	10.1						30					
m,p-Xylene	-2.9						30					
o-Xylene	6.2						30					
Styrene	-2.7						30					
Bromoform	-2.1						30					
Isopropylbenzene	-3.7						30					
Bromobenzene	4.2						30					
1,1,2,2-Tetrachloroethane	6.4						30					
N-Propylbenzene	5.6						30					
1,2,3-Trichloropropane	-6.1						30					
trans-1,4-Dichloro-2-butene	+++++	-10.1						30				
2-Chlorotoluene	14.6						30					
1,3,5-Trimethylbenzene	2.2						30					
4-Chlorotoluene	14.0						30					
tert-Butylbenzene	0.8						30					
1,2,4-Trimethylbenzene	-0.7						30					
sec-Butylbenzene	-5.1						30					
1,3-Dichlorobenzene	9.3						30					
4-Isopropyltoluene	-7.1						30					

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 704994

SDG No.:

Instrument ID: HP5973S | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2024 22:13 | Calibration End Date: 03/26/2024 00:54 | Calibration ID: 46264

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dichlorobenzene	12.6						30					
n-Butylbenzene	-6.8						30					
1,2-Dichlorobenzene	2.8						30					
1,2-Dibromo-3-Chloropropane	-18.4						30					
1,2,4-Trichlorobenzene	12.1						30					
Hexachlorobutadiene	5.2						30					
Naphthalene	-9.2						30					
1,2,3-Trichlorobenzene	-3.0						30					
Dibromofluoromethane (Surr)	-4.1						30					
1,2-Dichloroethane-d4 (Surr)	2.1						30					
Toluene-d8 (Surr)	-1.8						30					
4-Bromofluorobenzene (Surr)	0.6						30					

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6722.d
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 25-Mar-2024 22:13:30 ALS Bottle#: 2 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 480-0116934-007
Operator ID: cdc Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Mar-2024 10:45:15 Calib Date: 26-Mar-2024 05:09:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6740.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: QR3Z Date: 26-Mar-2024 08:44:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.752	4.752	0.000	98	211261	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.702	7.702	0.000	87	409358	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.148	10.154	-0.006	96	432298	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.192	4.192	0.000	56	231660	25.0	24.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.484	4.484	0.000	97	184326	25.0	25.5	
$ 5 Toluene-d8 (Surr)	98	6.242	6.242	0.000	91	922298	25.0	24.5	
$ 6 4-Bromofluorobenzene (Surr)	174	8.956	8.955	0.001	93	323522	25.0	25.2	
10 Dichlorodifluoromethane	85	0.998	0.998	0.000	53	6328	0.5000	0.5230	
12 Chloromethane	50	1.132	1.138	-0.006	70	8207	0.5000	0.6342	
13 Vinyl chloride	62	1.223	1.211	0.012	1	5866	0.5000	0.5110	
151 Butadiene	54	1.223	1.223	0.000	64	8921	0.5000	0.6624	
14 Bromomethane	94	1.461	1.461	0.001	23	4293	0.5000	0.7118	
15 Chloroethane	64	1.509	1.503	0.006	0	3625	0.5000	0.5520	M
16 Dichlorofluoromethane	67	1.692	1.698	-0.006	35	8582	0.5000	0.4959	M
17 Trichlorofluoromethane	101	1.661	1.704	-0.043	42	8832	0.5000	0.5622	
18 Ethyl ether	59	1.905	1.905	0.000	0	5085	0.5000	0.5425	M
20 Acrolein	56	2.069	2.069	0.000	0	1298	2.50	3.48	M
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.118	2.111	0.007	32	4271	0.5000	0.5200	
22 1,1-Dichloroethene	96	2.118	2.111	0.007	0	3827	0.5000	0.5482	M
23 Acetone	43	2.215	2.209	0.006	85	13732	2.50	2.81	
25 Iodomethane	142	2.258	2.270	-0.012	75	7932	0.5000	0.6201	
26 Carbon disulfide	76	2.306	2.288	0.018	65	10903	0.5000	0.4935	
28 3-Chloro-1-propene	41	2.446	2.440	0.006	69	9586	0.5000	0.5666	
27 Methyl acetate	43	2.495	2.489	0.006	90	14182	1.00	1.18	
30 Methylene Chloride	84	2.580	2.580	0.000	61	8446	0.5000	0.4498	
31 2-Methyl-2-propanol	59	2.756	2.756	0.000	75	8200	5.00	5.35	
32 Methyl tert-butyl ether	73	2.775	2.781	-0.006	85	21358	0.5000	0.5899	
34 trans-1,2-Dichloroethene	96	2.787	2.787	0.000	65	5871	0.5000	0.5843	a
33 Acrylonitrile	53	2.854	2.848	0.006	97	31558	5.00	5.07	
35 Hexane	57	2.975	2.975	0.000	72	9311	0.5000	0.5290	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.194	3.188	0.006	33	11127	0.5000	0.5644	
37 Vinyl acetate	43	3.255	3.255	0.000	89	20354	1.00	0.8409	
44 2,2-Dichloropropane	77	3.681	3.687	-0.006	52	5253	0.5000	0.5163	
45 cis-1,2-Dichloroethene	96	3.724	3.724	0.000	16	7072	0.5000	0.6615	a
43 2-Butanone (MEK)	43	3.778	3.772	0.006	86	23578	2.50	2.89	
48 Chlorobromomethane	128	3.955	3.955	0.000	46	2471	0.5000	0.4622	
49 Tetrahydrofuran	42	3.979	3.967	0.012	73	5628	1.00	1.04	
50 Chloroform	83	4.034	4.040	-0.006	43	10155	0.5000	0.5295	
52 Cyclohexane	56	4.137	4.131	0.006	67	10895	0.5000	0.5156	
51 1,1,1-Trichloroethane	97	4.131	4.131	0.000	51	8748	0.5000	0.5610	
55 Carbon tetrachloride	117	4.265	4.265	0.000	61	6265	0.5000	0.4916	
54 1,1-Dichloropropene	75	4.283	4.283	0.000	48	8121	0.5000	0.5315	
57 Benzene	78	4.484	4.484	0.000	41	24987	0.5000	0.5642	
53 Isobutyl alcohol	43	4.551	4.545	0.006	26	7445	12.5	11.4	
58 1,2-Dichloroethane	62	4.557	4.557	0.000	42	8769	0.5000	0.5015	
59 n-Heptane	43	4.673	4.673	0.000	76	12661	0.5000	0.6516	
62 Trichloroethene	95	5.086	5.086	0.000	62	5726	0.5000	0.5448	
64 Methylcyclohexane	83	5.196	5.196	0.000	72	11115	0.5000	0.5695	
65 1,2-Dichloropropane	63	5.330	5.324	0.006	59	6637	0.5000	0.5958	
67 Dibromomethane	93	5.464	5.457	0.007	67	3854	0.5000	0.5781	
66 1,4-Dioxane	88	5.482	5.470	0.012	0	960	10.0	6.94	M
68 Dichlorobromomethane	83	5.622	5.616	0.006	20	5723	0.5000	0.4355	
69 2-Chloroethyl vinyl ether	63	5.920	5.914	0.006	41	3202	0.5000	0.4480	
72 cis-1,3-Dichloropropene	75	6.035	6.029	0.006	46	7167	0.5000	0.4449	
73 4-Methyl-2-pentanone (MIBK)	43	6.188	6.187	0.001	92	41246	2.50	2.49	
74 Toluene	92	6.309	6.303	0.006	59	14939	0.5000	0.5738	
77 trans-1,3-Dichloropropene	75	6.607	6.601	0.006	46	6881	0.5000	0.4772	a
75 Ethyl methacrylate	69	6.668	6.662	0.006	43	5872	0.5000	0.4303	
79 1,1,2-Trichloroethane	83	6.784	6.784	0.000	36	3120	0.5000	0.3932	
81 Tetrachloroethene	166	6.832	6.826	0.006	56	6711	0.5000	0.5576	
82 1,3-Dichloropropane	76	6.942	6.936	0.006	46	8758	0.5000	0.5184	
80 2-Hexanone	43	7.027	7.021	0.006	82	29384	2.50	2.57	
83 Chlorodibromomethane	129	7.173	7.167	0.006	17	4522	0.5000	0.5311	
84 Ethylene Dibromide	107	7.264	7.258	0.006	35	4921	0.5000	0.5247	
87 Chlorobenzene	112	7.733	7.733	0.000	23	14678	0.5000	0.5169	
88 Ethylbenzene	91	7.830	7.830	0.000	76	26281	0.5000	0.5304	
89 1,1,1,2-Tetrachloroethane	131	7.830	7.836	-0.006	16	5013	0.5000	0.5507	
90 m-Xylene & p-Xylene	106	7.964	7.952	0.012	82	9232	0.5000	0.4855	
91 o-Xylene	106	8.372	8.371	0.001	68	10352	0.5000	0.5308	
92 Styrene	104	8.414	8.408	0.006	39	15006	0.5000	0.4867	
95 Bromoform	173	8.639	8.645	-0.006	25	2912	0.5000	0.4897	
94 Isopropylbenzene	105	8.761	8.761	0.000	74	24889	0.5000	0.4815	
101 Bromobenzene	156	9.102	9.095	0.007	67	6986	0.5000	0.5212	
97 1,1,2,2-Tetrachloroethane	83	9.193	9.193	0.000	0	7443	0.5000	0.5322	
99 N-Propylbenzene	91	9.205	9.199	0.006	87	32587	0.5000	0.5280	
100 1,2,3-Trichloropropane	110	9.205	9.211	-0.006	24	2176	0.5000	0.4694	Ma
98 trans-1,4-Dichloro-2-butene	53	9.248	9.235	0.013	0	1076	0.5000	0.2421	M
103 2-Chlorotoluene	126	9.296	9.296	0.000	80	6988	0.5000	0.5730	
102 1,3,5-Trimethylbenzene	105	9.400	9.400	0.000	69	23393	0.5000	0.5111	
105 4-Chlorotoluene	126	9.424	9.424	0.000	61	7072	0.5000	0.5700	
106 tert-Butylbenzene	134	9.722	9.728	-0.006	73	4899	0.5000	0.5038	
107 1,2,4-Trimethylbenzene	105	9.789	9.789	0.000	78	22813	0.5000	0.4964	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.947	9.953	-0.006	70	27619	0.5000	0.4745	
111 1,3-Dichlorobenzene	146	10.081	10.081	0.000	72	13771	0.5000	0.5463	
110 4-Isopropyltoluene	119	10.105	10.105	0.000	70	23030	0.5000	0.4643	
113 1,4-Dichlorobenzene	146	10.178	10.172	0.006	5	14632	0.5000	0.5629	a
115 n-Butylbenzene	91	10.507	10.507	0.000	81	20617	0.5000	0.4661	
116 1,2-Dichlorobenzene	146	10.537	10.531	0.006	76	12824	0.5000	0.5138	
117 1,2-Dibromo-3-Chloropropane	75	11.292	11.292	0.000	1	1115	0.5000	0.4082	
119 1,2,4-Trichlorobenzene	180	11.967	11.967	0.000	48	10570	0.5000	0.5607	
120 Hexachlorobutadiene	225	12.089	12.089	0.001	34	4827	0.5000	0.5261	a
121 Naphthalene	128	12.186	12.180	0.006	61	21883	0.5000	0.4539	
122 1,2,3-Trichlorobenzene	180	12.387	12.387	0.000	50	8825	0.5000	0.4851	
S 125 1,2-Dichloroethene, Total	1				0			1.25	
S 123 Total BTEX	1				0			2.68	
S 126 1,3-Dichloropropene, Total	1				0			0.9221	
S 124 Xylenes, Total	1				0			1.02	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8260 CORP mix_00251	Amount Added:	0.50	Units: uL	
GAS CORP mix_00613	Amount Added:	0.50	Units: uL	
S_8260_IS_00383	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00475	Amount Added:	1.00	Units: uL	Run Reagent

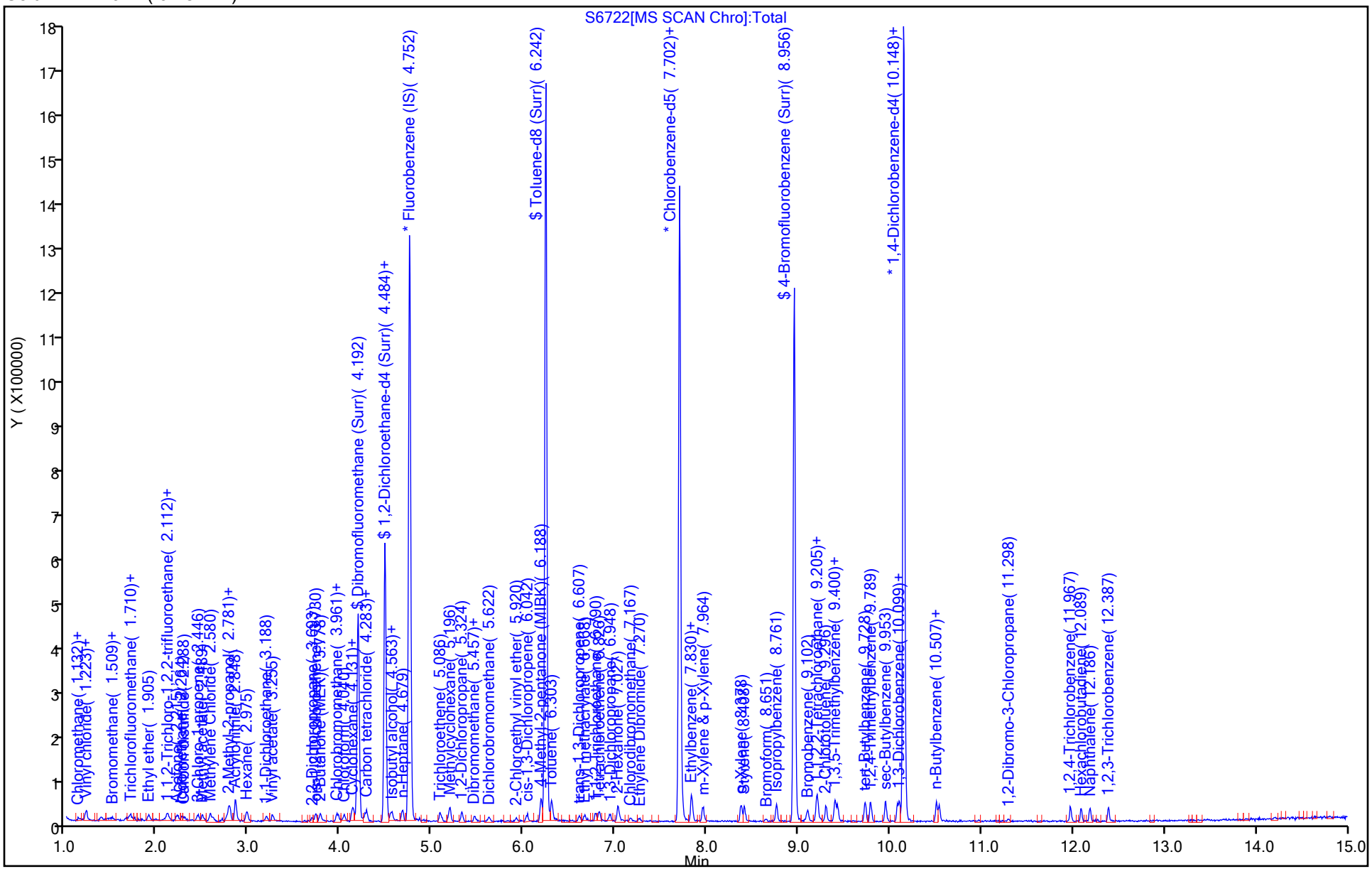
Report Date: 26-Mar-2024 10:45:16 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6722.d

Injection Date:	25-Mar-2024 22:13:30	Instrument ID:	HP5973S	Operator ID:	cdc
Lims ID:	IC 0.5			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

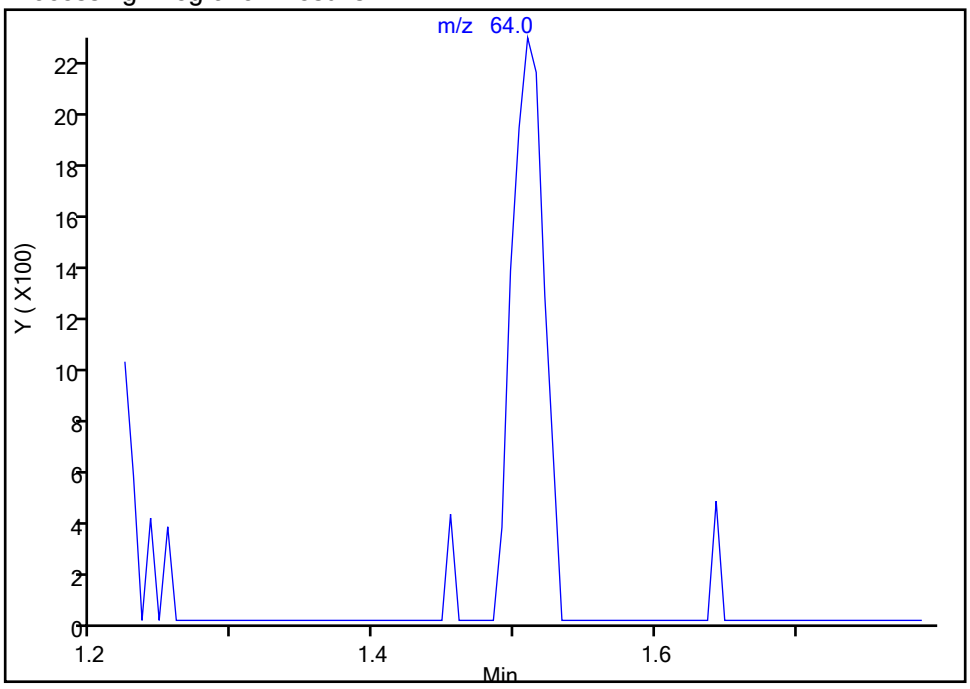
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6722.d
Injection Date: 25-Mar-2024 22:13:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: cdc ALS Bottle#: 2 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Chloroethane, CAS: 75-00-3

Signal: 1

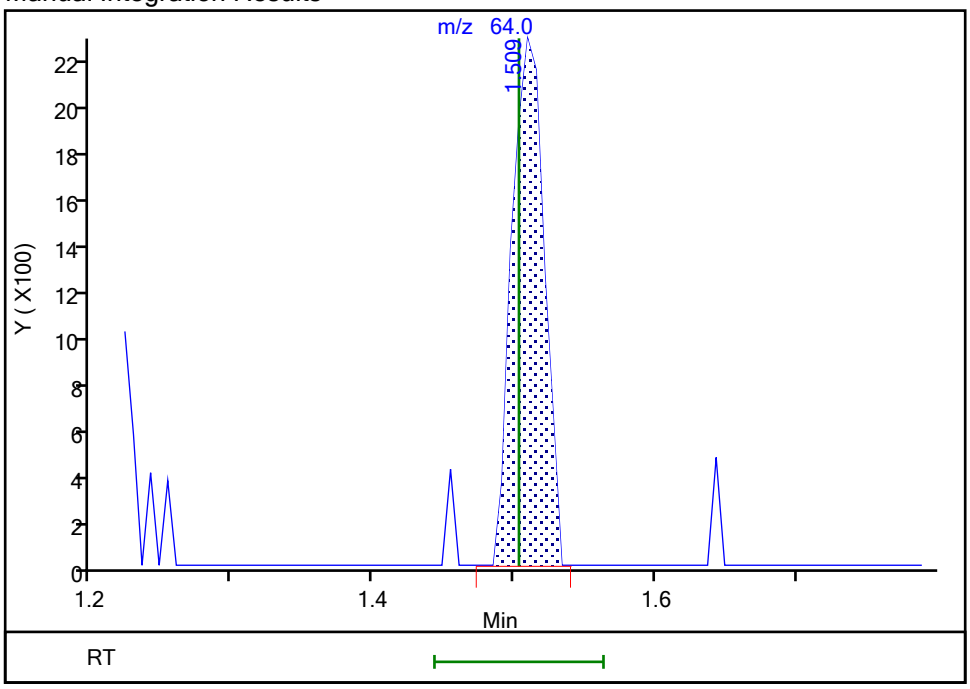
Not Detected
Expected RT: 1.50

Processing Integration Results



Manual Integration Results

RT: 1.51
Area: 3625
Amount: 0.552039
Amount Units: ug/L



Reviewer: QR3Z, 26-Mar-2024 08:37:33 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

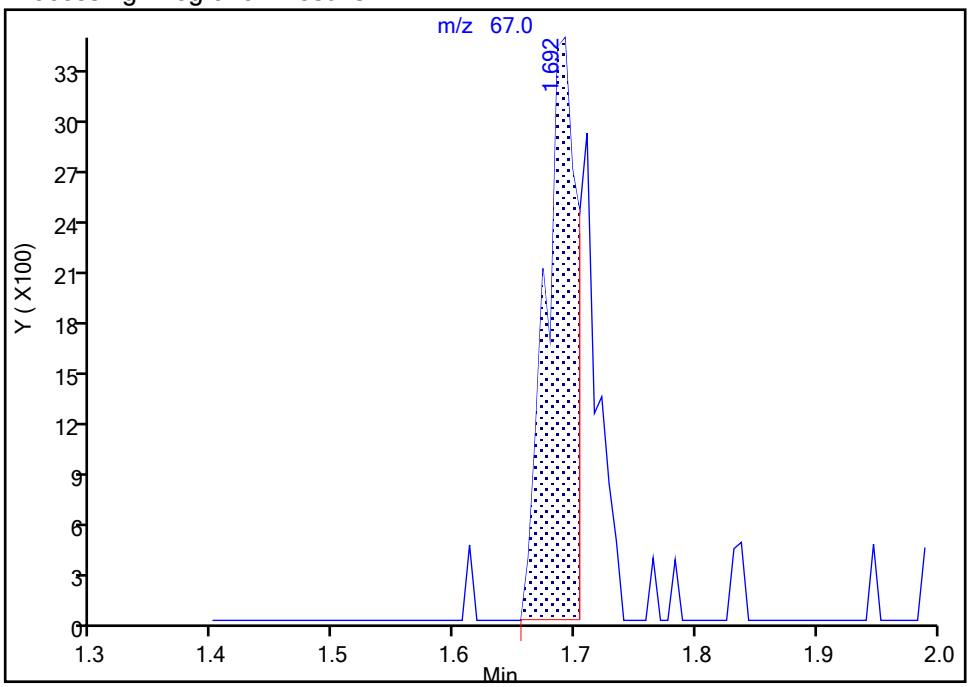
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6722.d
Injection Date: 25-Mar-2024 22:13:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: cdc ALS Bottle#: 2 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

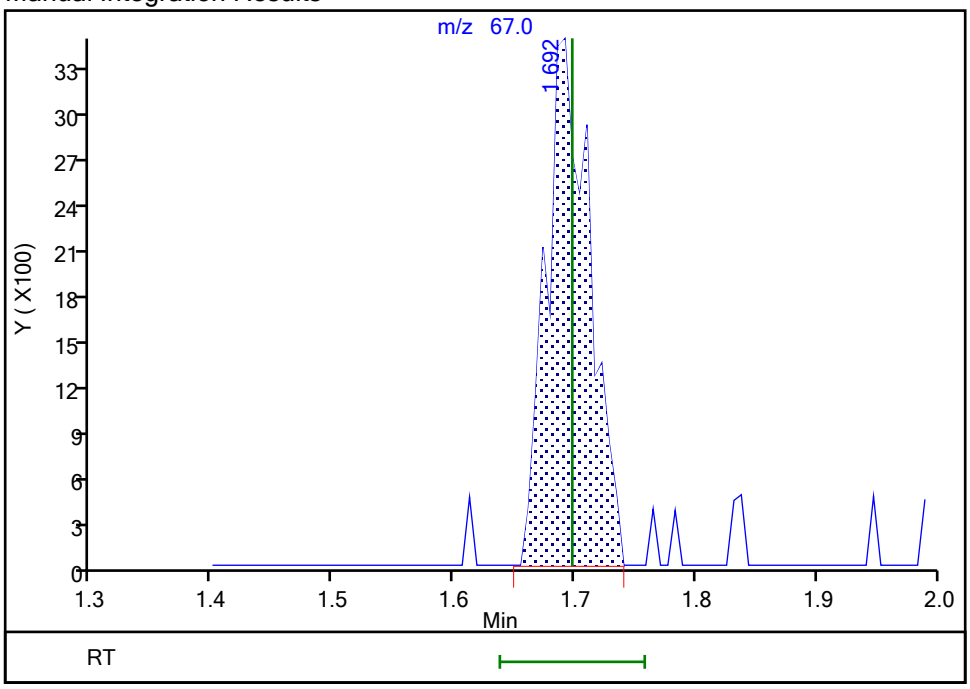
Processing Integration Results

RT: 1.69
Area: 6164
Amount: 0.369055
Amount Units: ug/L



Manual Integration Results

RT: 1.69
Area: 8582
Amount: 0.495879
Amount Units: ug/L



Reviewer: QR3Z, 26-Mar-2024 08:37:40 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

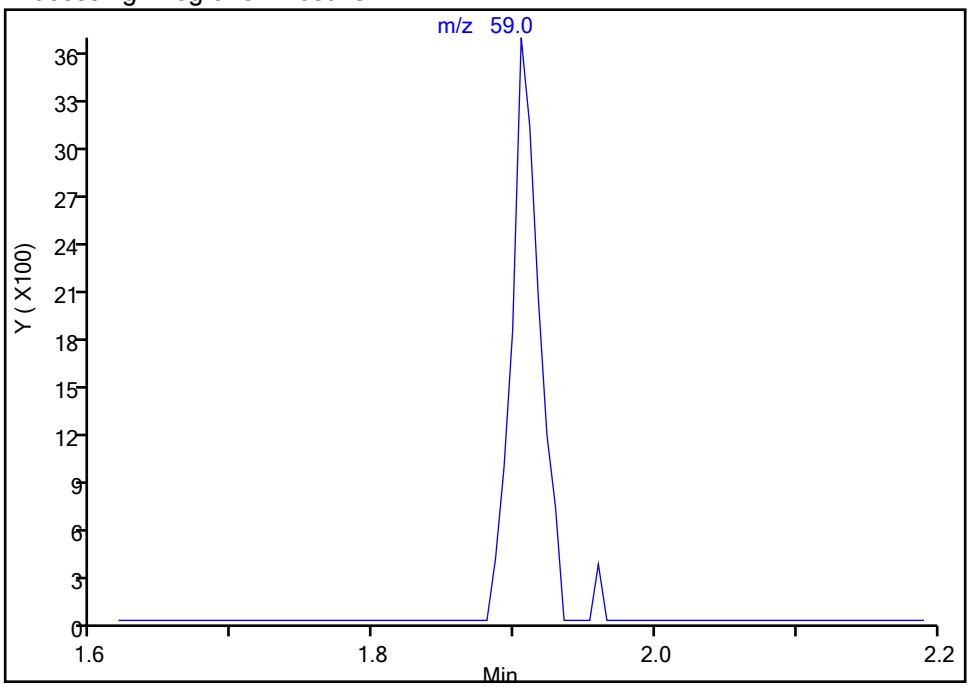
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6722.d
Injection Date: 25-Mar-2024 22:13:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: cdc ALS Bottle#: 2 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

18 Ethyl ether, CAS: 60-29-7

Signal: 1

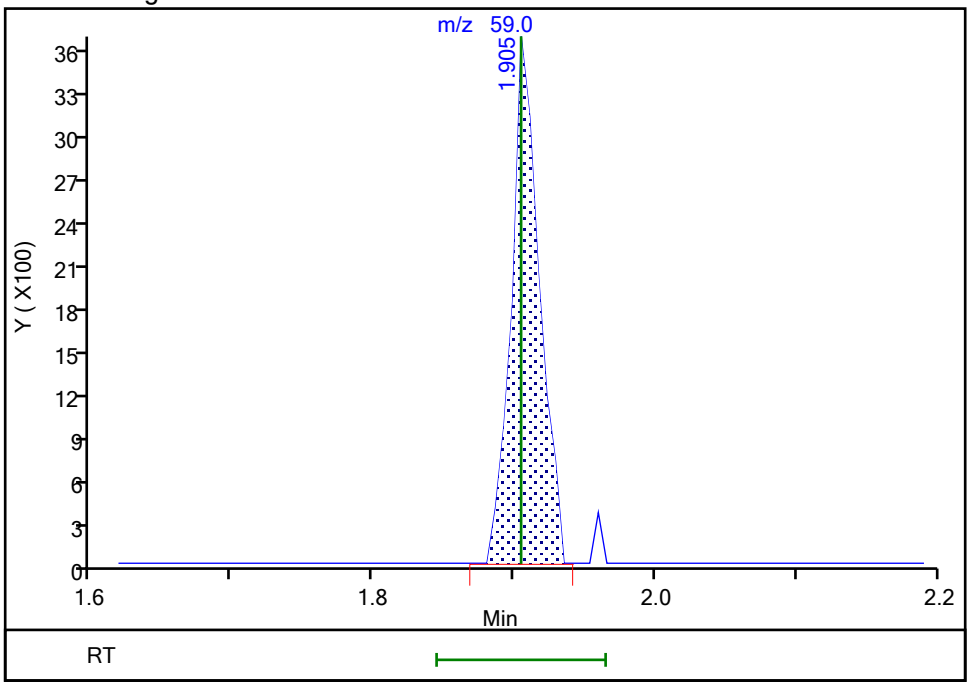
Not Detected
Expected RT: 1.90

Processing Integration Results



Manual Integration Results

RT: 1.90
Area: 5085
Amount: 0.542455
Amount Units: ug/L



Reviewer: QR3Z, 26-Mar-2024 08:40:47 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

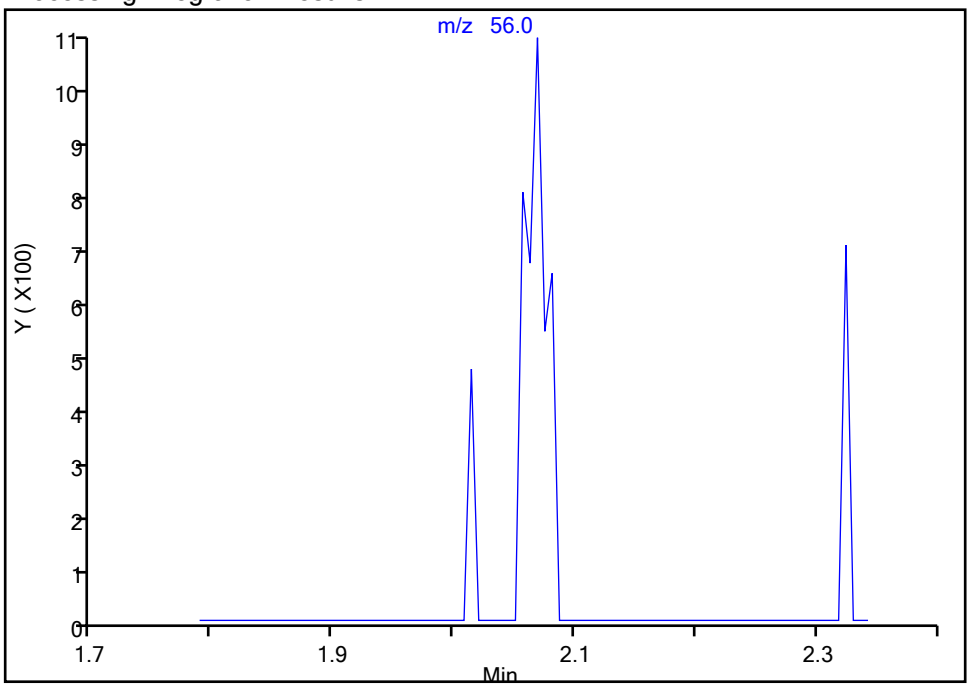
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6722.d
Injection Date: 25-Mar-2024 22:13:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: cdc ALS Bottle#: 2 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

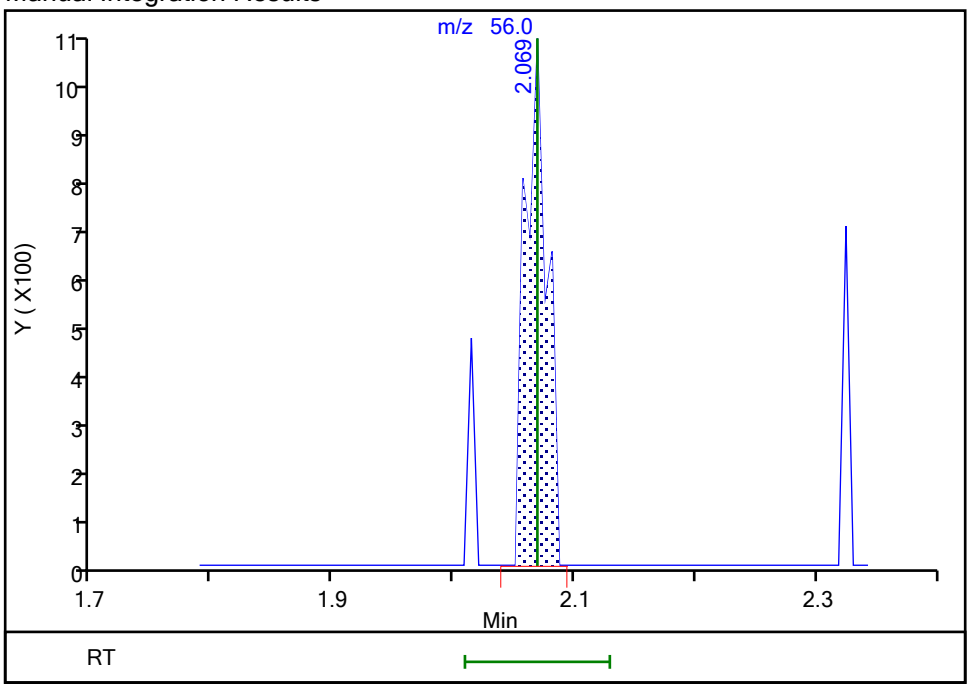
Not Detected
Expected RT: 2.07

Processing Integration Results



Manual Integration Results

RT: 2.07
Area: 1298
Amount: 3.477762
Amount Units: ug/L



Reviewer: QR3Z, 26-Mar-2024 08:41:50 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

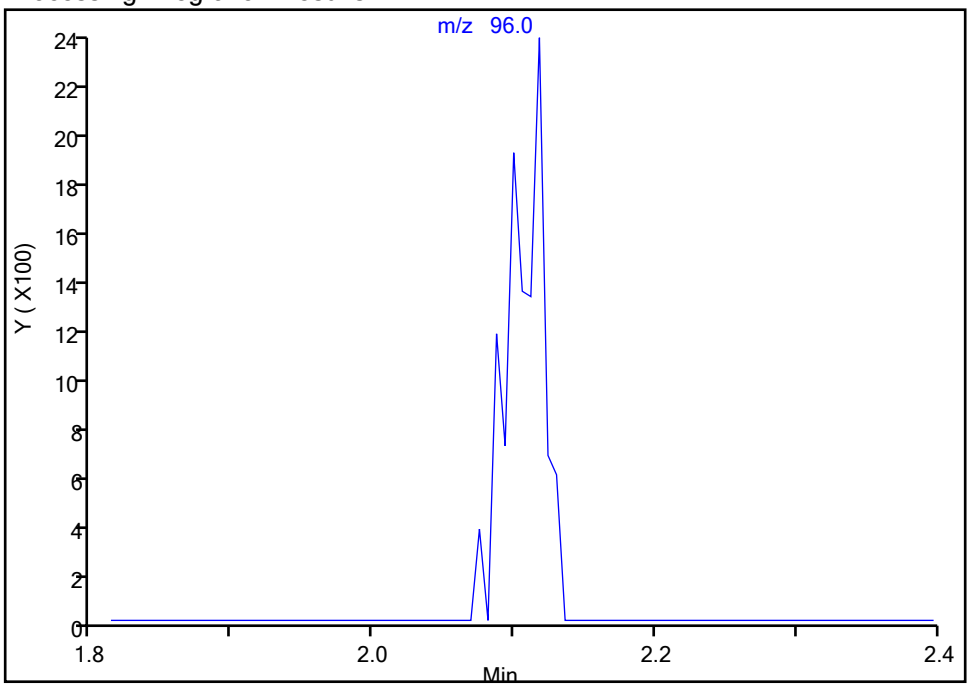
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6722.d
Injection Date: 25-Mar-2024 22:13:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: cdc ALS Bottle#: 2 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

22 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

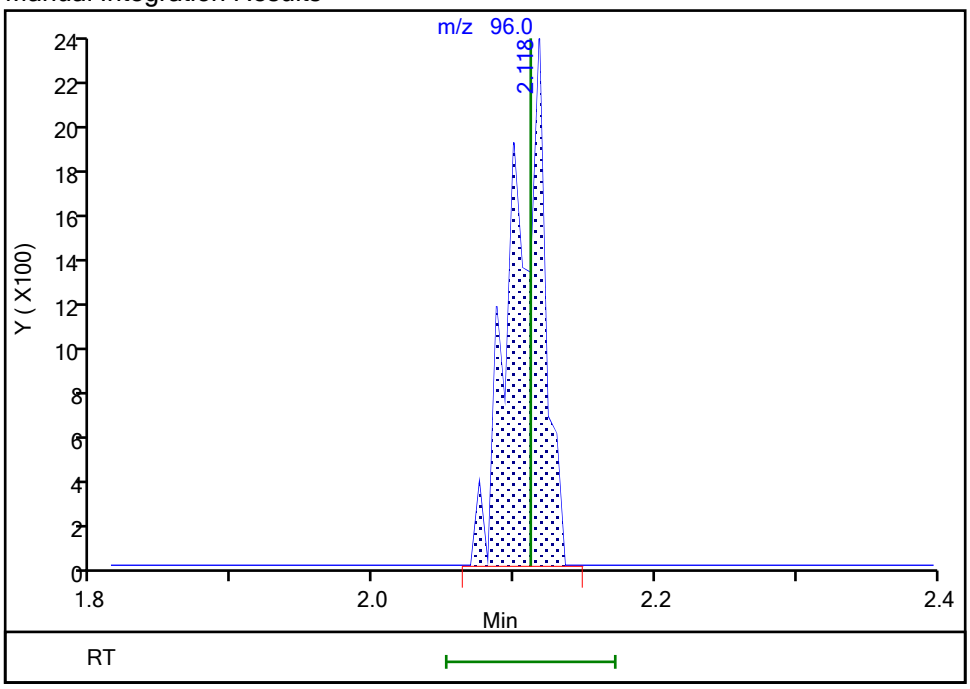
Not Detected
Expected RT: 2.11

Processing Integration Results



Manual Integration Results

RT: 2.12
Area: 3827
Amount: 0.548227
Amount Units: ug/L



Reviewer: QR3Z, 26-Mar-2024 08:41:55 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

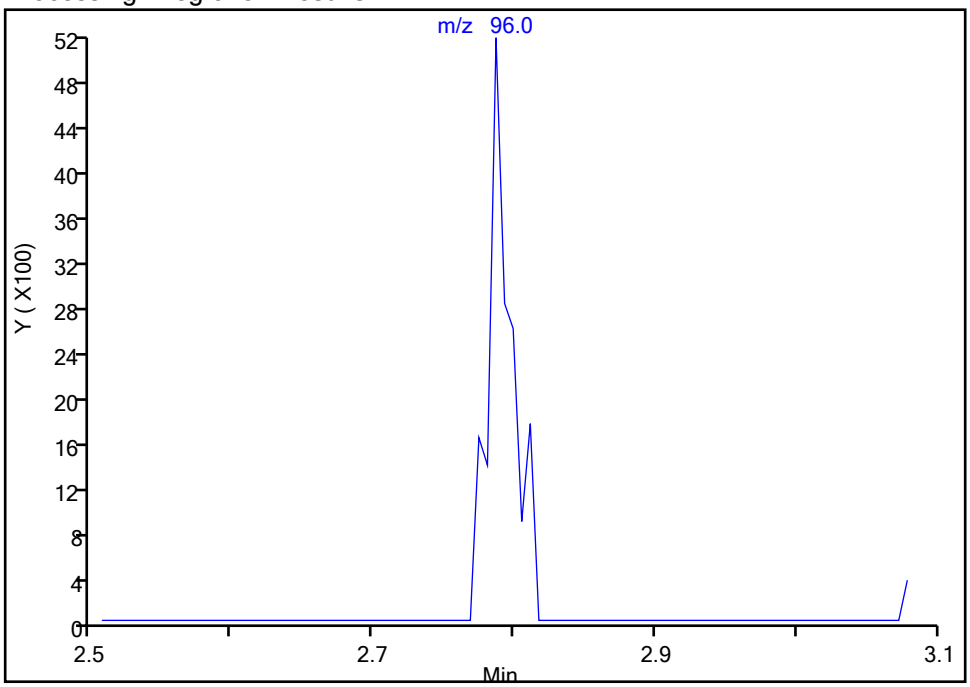
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6722.d
Injection Date: 25-Mar-2024 22:13:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: cdc ALS Bottle#: 2 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

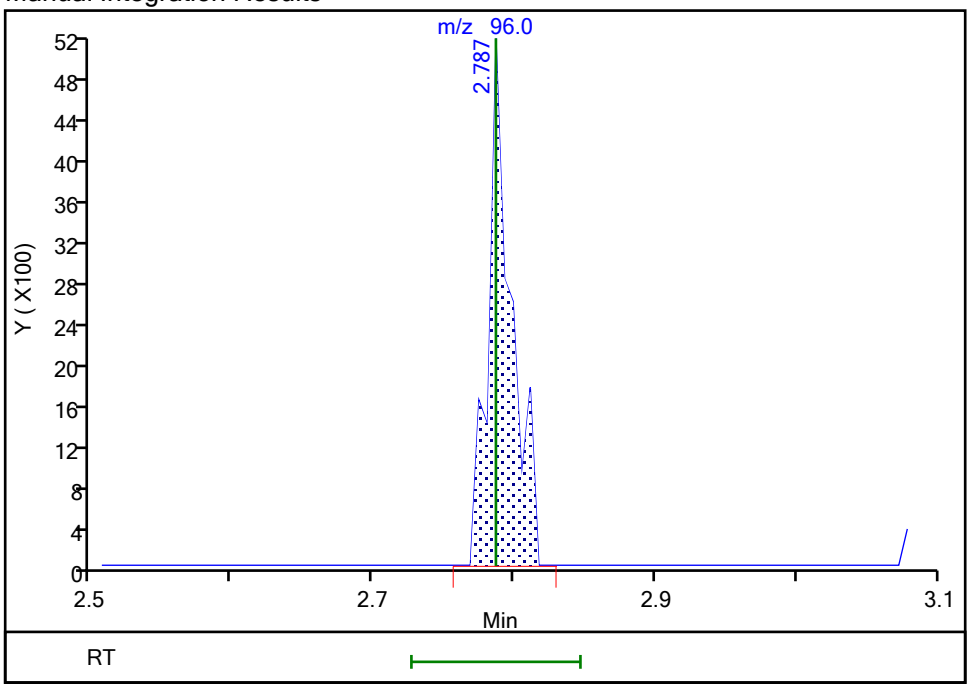
Not Detected
Expected RT: 2.79

Processing Integration Results



RT: 2.79
Area: 5871
Amount: 0.584291
Amount Units: ug/L

Manual Integration Results



Reviewer: QR3Z, 26-Mar-2024 08:42:39 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

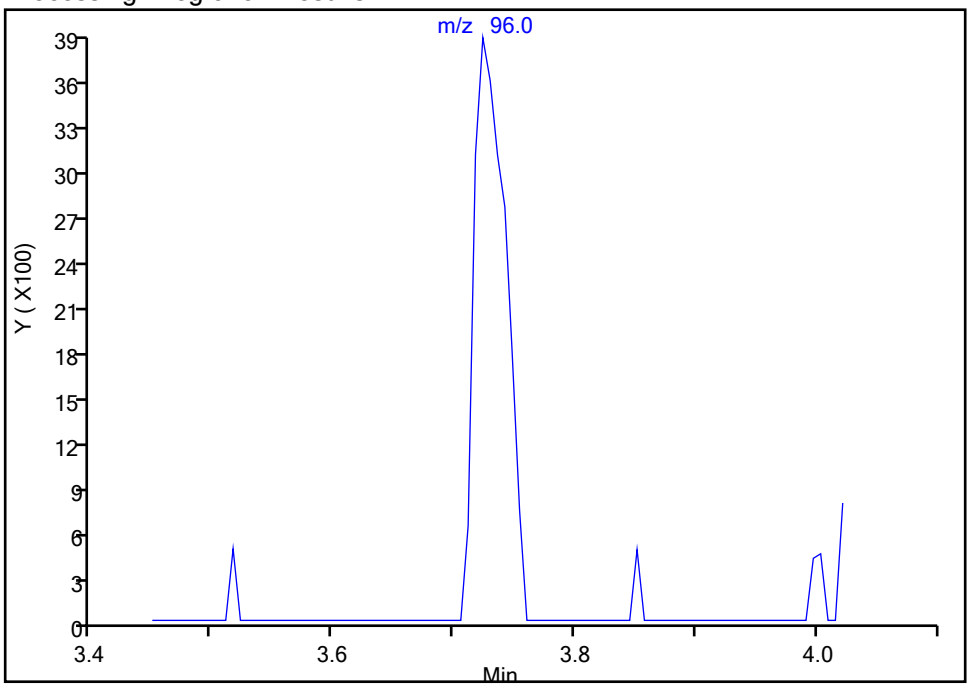
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6722.d
Injection Date: 25-Mar-2024 22:13:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: cdc ALS Bottle#: 2 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

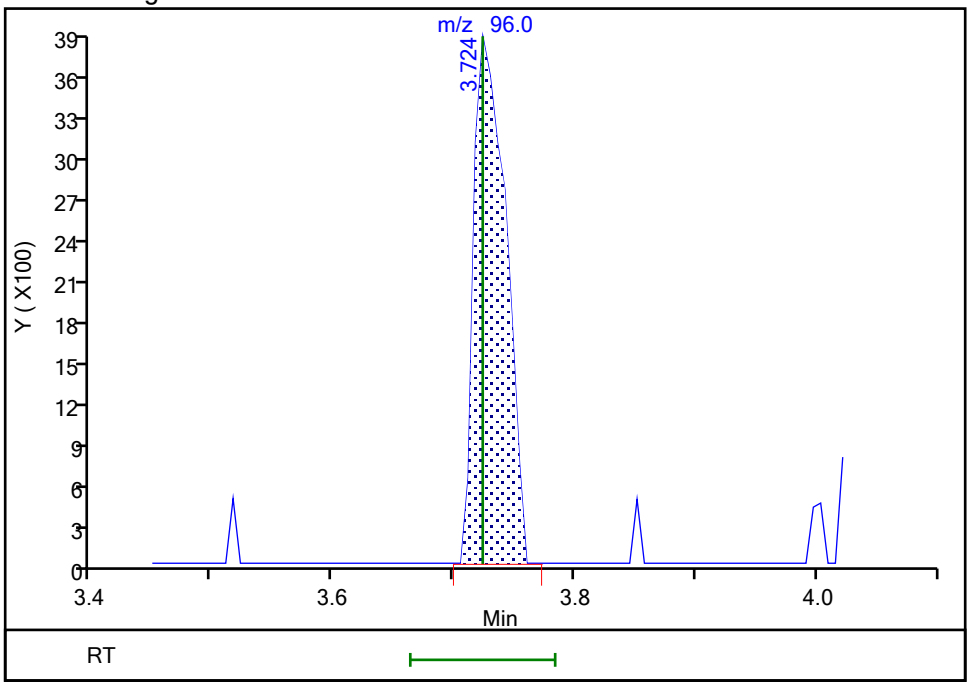
Not Detected
Expected RT: 3.72

Processing Integration Results



Manual Integration Results

RT: 3.72
Area: 7072
Amount: 0.661533
Amount Units: ug/L



Reviewer: QR3Z, 26-Mar-2024 08:42:45 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

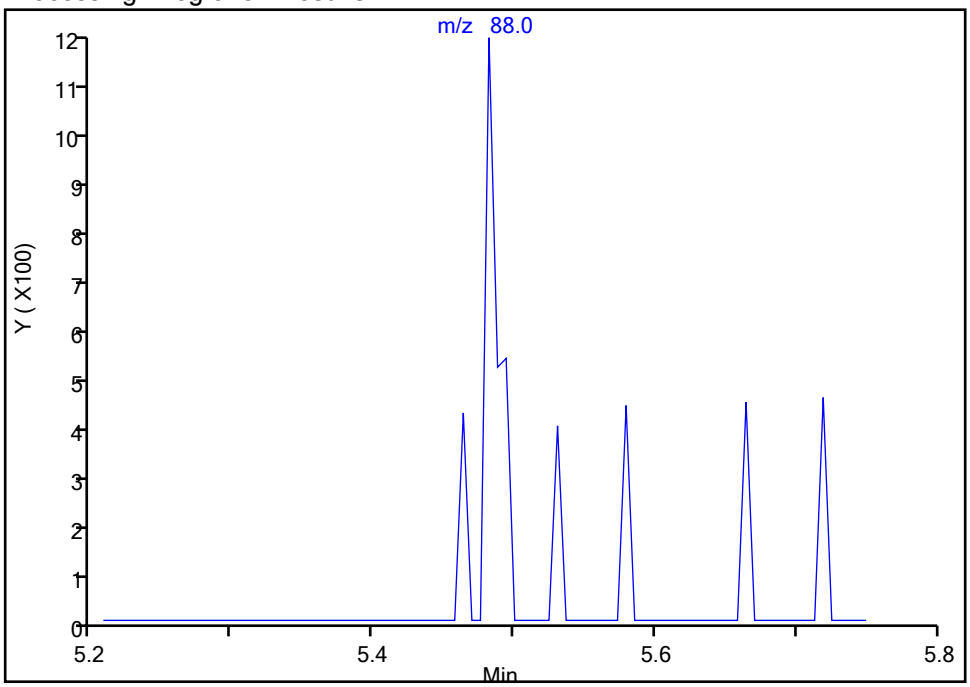
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6722.d
Injection Date: 25-Mar-2024 22:13:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: cdc ALS Bottle#: 2 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

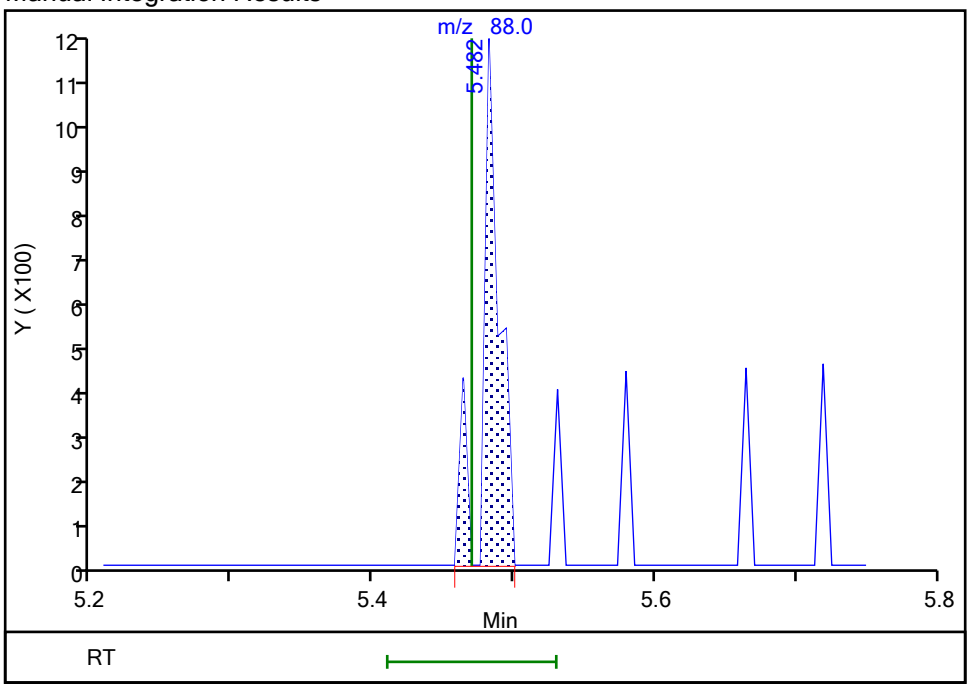
Not Detected
Expected RT: 5.47

Processing Integration Results



Manual Integration Results

RT: 5.48
Area: 960
Amount: 6.937842
Amount Units: ug/L



Reviewer: QR3Z, 26-Mar-2024 08:42:57 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

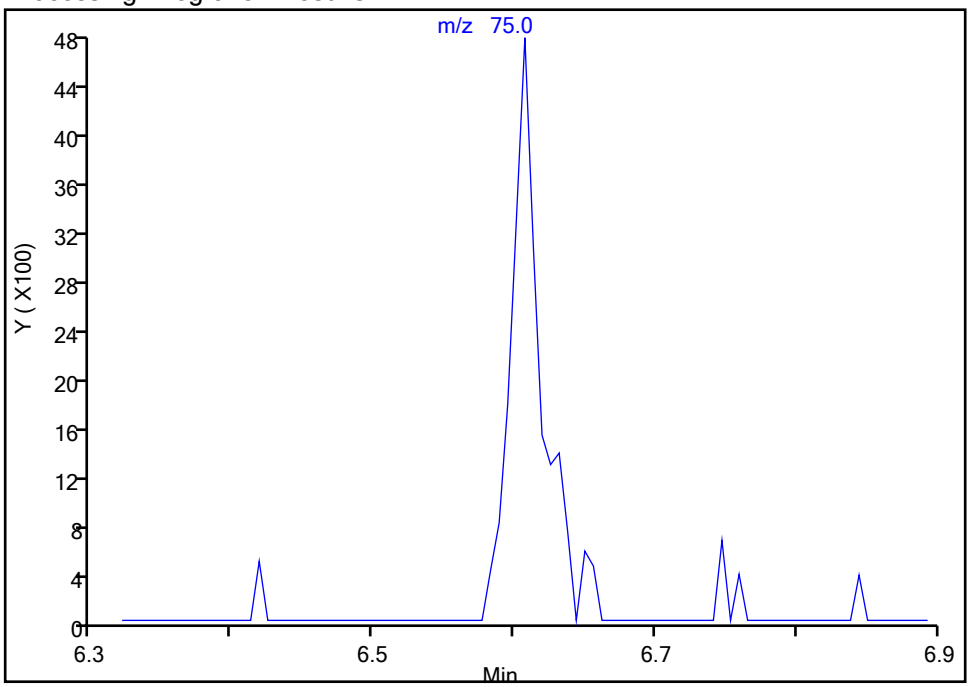
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6722.d
Injection Date: 25-Mar-2024 22:13:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: cdc ALS Bottle#: 2 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

77 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

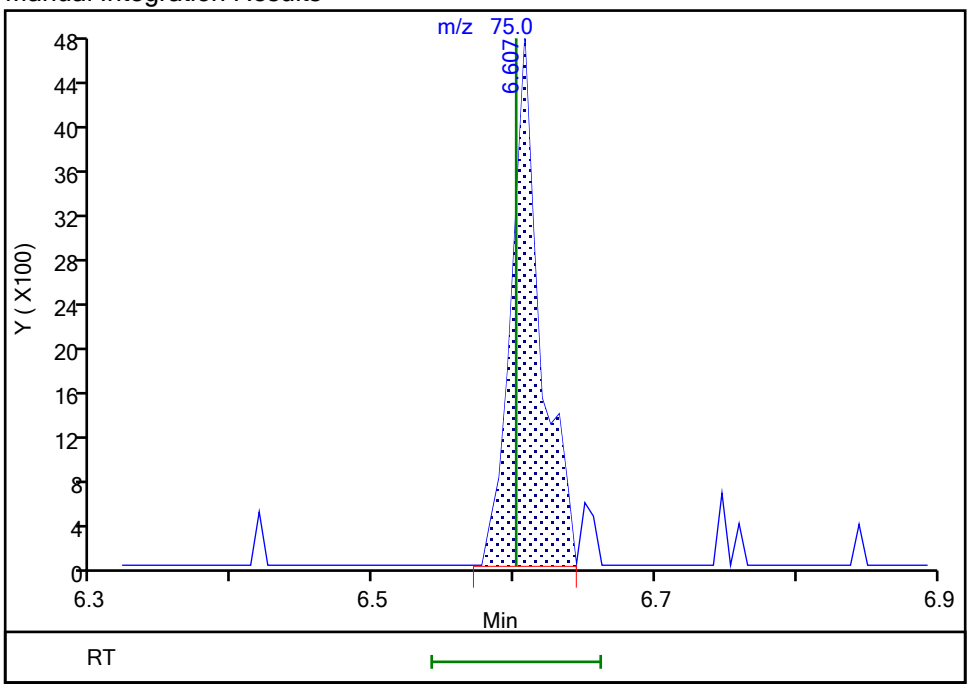
Not Detected
Expected RT: 6.60

Processing Integration Results



Manual Integration Results

RT: 6.61
Area: 6881
Amount: 0.477160
Amount Units: ug/L



Reviewer: QR3Z, 26-Mar-2024 08:43:05 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

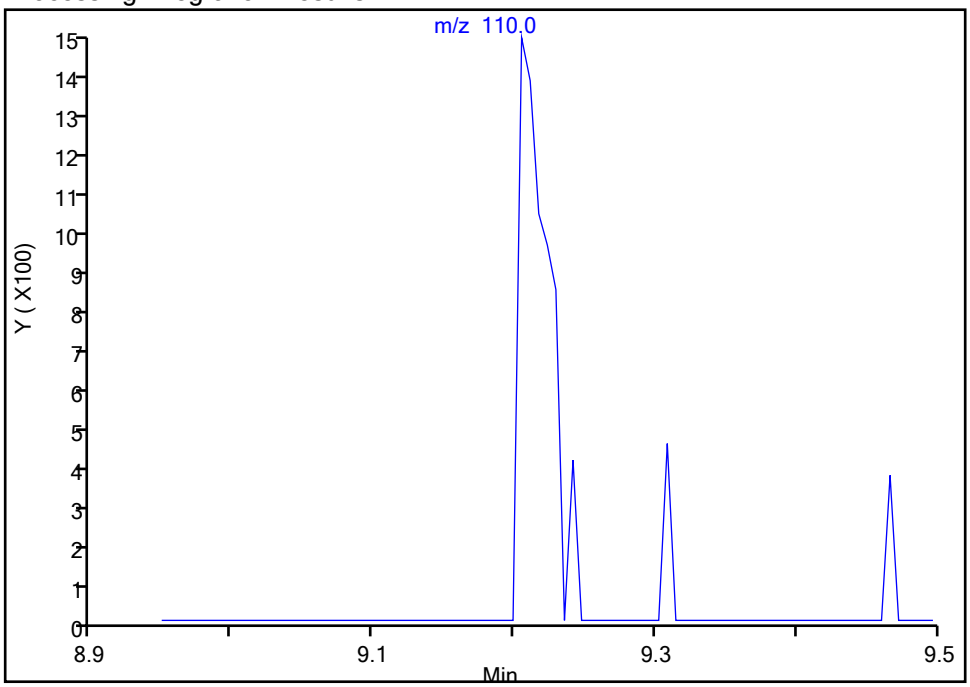
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6722.d
Injection Date: 25-Mar-2024 22:13:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: cdc ALS Bottle#: 2 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

100 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

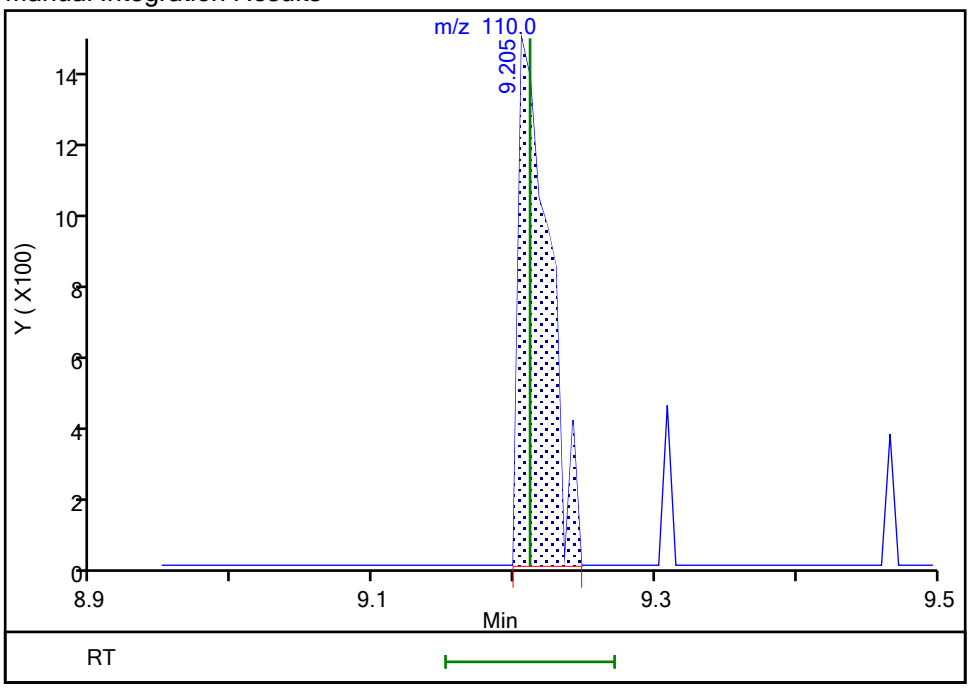
Not Detected
Expected RT: 9.21

Processing Integration Results



Manual Integration Results

RT: 9.20
Area: 2176
Amount: 0.469385
Amount Units: ug/L



Reviewer: QR3Z, 26-Mar-2024 08:43:28 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

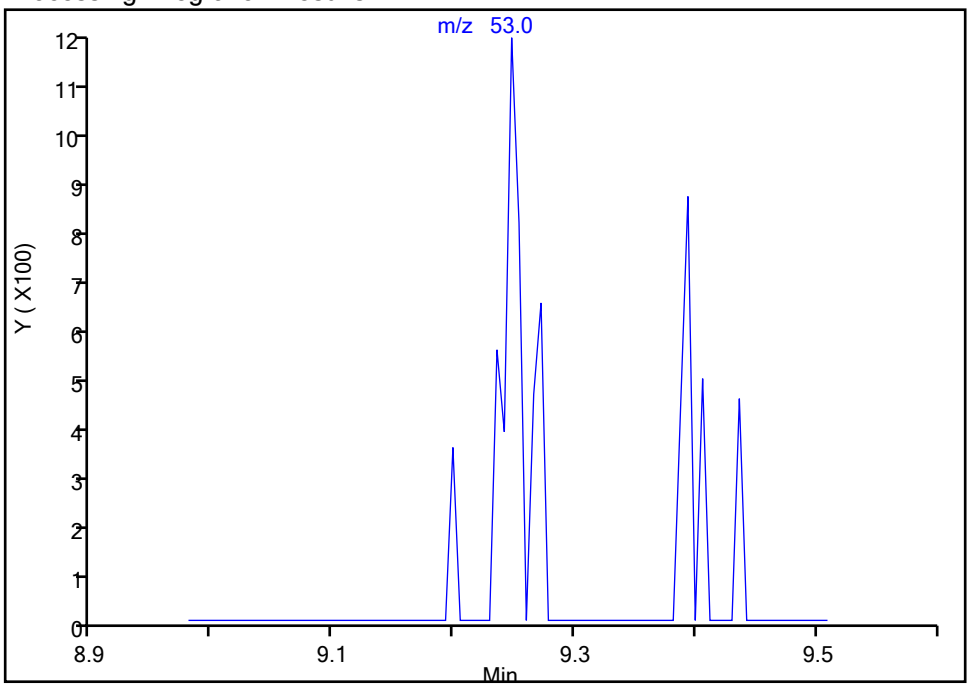
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6722.d
Injection Date: 25-Mar-2024 22:13:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: cdc ALS Bottle#: 2 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

98 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

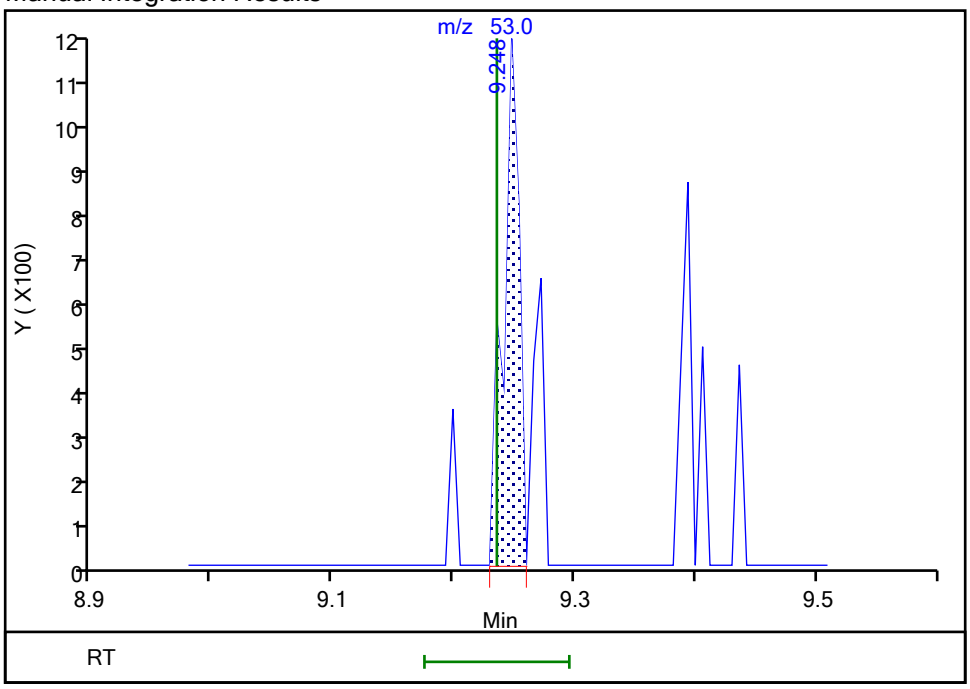
Not Detected
Expected RT: 9.24

Processing Integration Results



Manual Integration Results

RT: 9.25
Area: 1076
Amount: 0.242053
Amount Units: ug/L



Reviewer: QR3Z, 26-Mar-2024 08:43:37 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

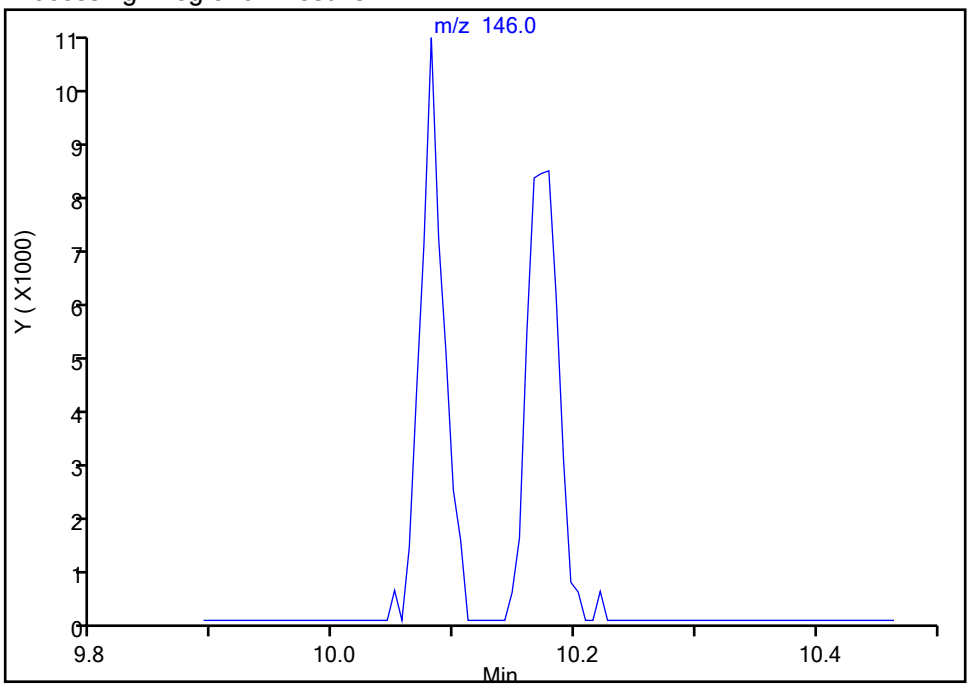
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6722.d
Injection Date: 25-Mar-2024 22:13:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: cdc ALS Bottle#: 2 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

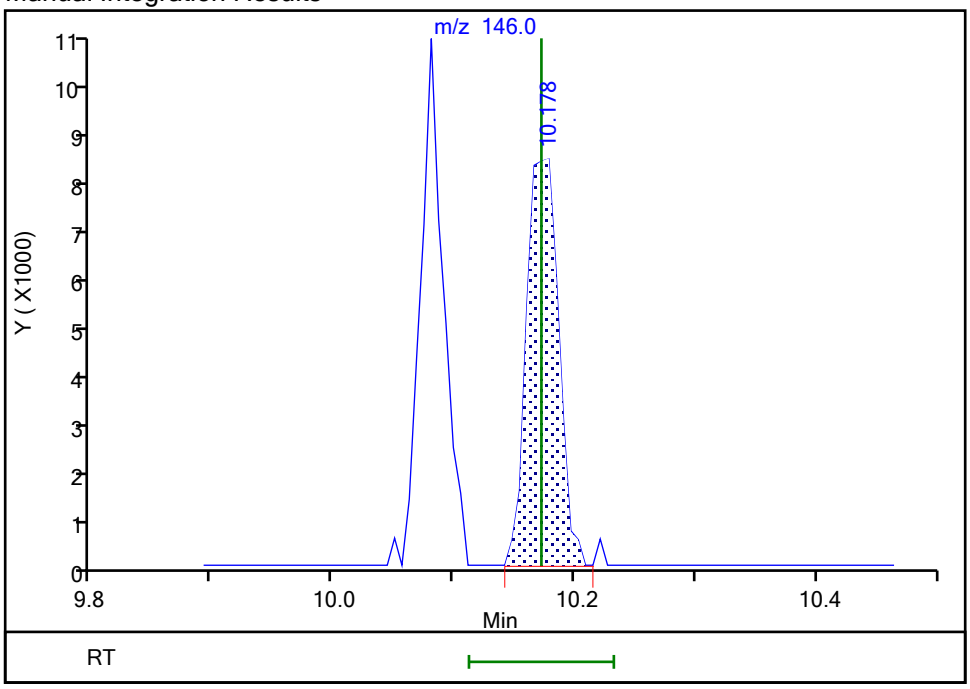
Not Detected
Expected RT: 10.17

Processing Integration Results



Manual Integration Results

RT: 10.18
Area: 14632
Amount: 0.562939
Amount Units: ug/L



Reviewer: QR3Z, 26-Mar-2024 08:44:01 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

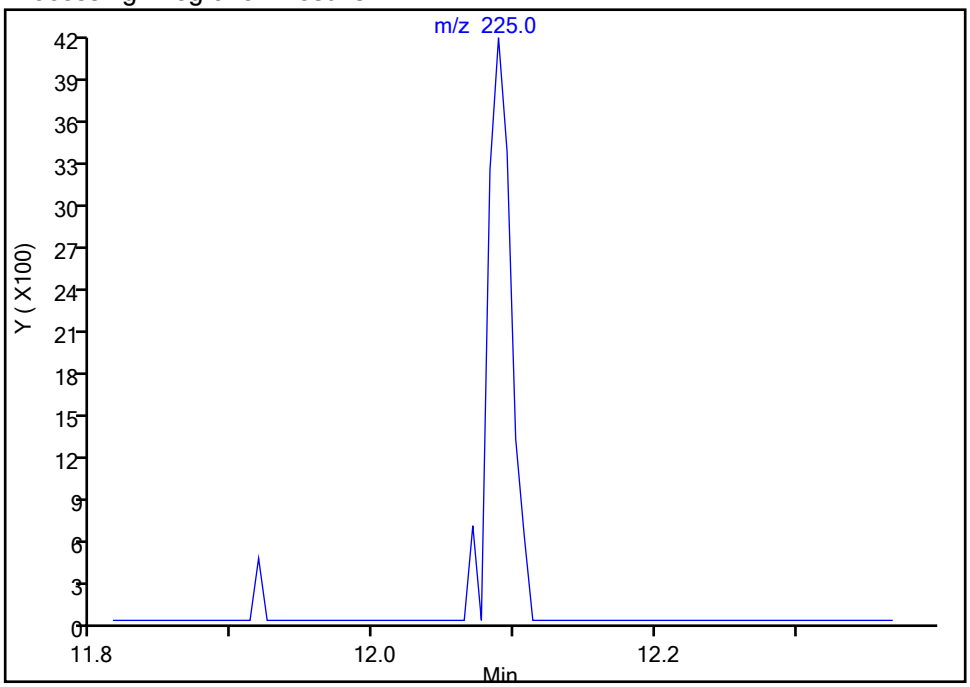
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6722.d
Injection Date: 25-Mar-2024 22:13:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: cdc ALS Bottle#: 2 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

120 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

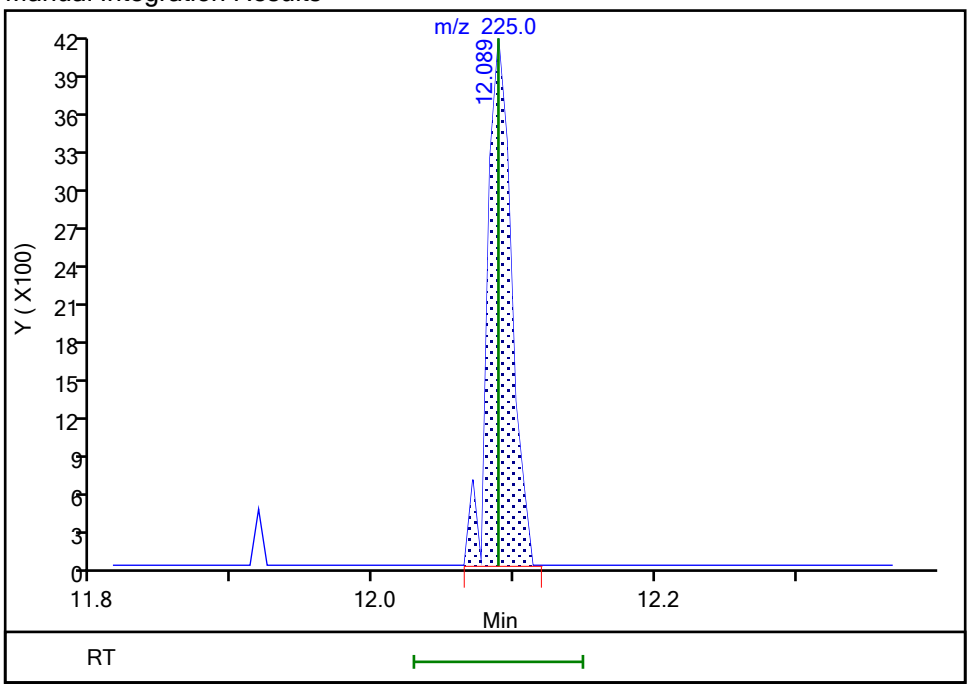
Not Detected
Expected RT: 12.09

Processing Integration Results



Manual Integration Results

RT: 12.09
Area: 4827
Amount: 0.526118
Amount Units: ug/L



Reviewer: QR3Z, 26-Mar-2024 08:44:06 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6723.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 25-Mar-2024 22:36:30 ALS Bottle#: 3 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0116934-008
Operator ID: cdc Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Mar-2024 10:45:33 Calib Date: 26-Mar-2024 05:09:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6740.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: QR3Z Date: 26-Mar-2024 08:37:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.752	4.752	0.000	98	197211	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.702	7.702	0.000	87	399766	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.148	10.154	-0.006	96	420182	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.192	4.192	0.000	57	235082	25.0	26.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.484	4.484	0.000	93	178958	25.0	26.6	
$ 5 Toluene-d8 (Surr)	98	6.242	6.242	0.000	92	959634	25.0	26.2	
$ 6 4-Bromofluorobenzene (Surr)	174	8.955	8.955	0.000	90	317633	25.0	25.3	
10 Dichlorodifluoromethane	85	0.998	0.998	0.000	52	12035	1.00	1.07	
12 Chloromethane	50	1.138	1.138	0.000	71	13396	1.00	1.11	
13 Vinyl chloride	62	1.229	1.211	0.018	0	11698	1.00	1.09	M
151 Butadiene	54	1.217	1.223	-0.006	86	12595	1.00	1.00	
14 Bromomethane	94	1.466	1.461	0.006	34	6207	1.00	1.10	
15 Chloroethane	64	1.509	1.503	0.006	51	7495	1.00	1.22	
16 Dichlorofluoromethane	67	1.698	1.698	0.000	64	17595	1.00	1.09	
17 Trichlorofluoromethane	101	1.655	1.704	-0.049	15	15553	1.00	1.06	
18 Ethyl ether	59	1.905	1.905	0.000	76	10401	1.00	1.19	
20 Acrolein	56	2.075	2.069	0.006	0	1608	5.00	4.62	M
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.111	2.111	0.000	31	8071	1.00	1.05	
22 1,1-Dichloroethene	96	2.105	2.111	-0.006	71	6511	1.00	1.00	
23 Acetone	43	2.209	2.209	0.000	85	26997	5.00	5.93	
25 Iodomethane	142	2.270	2.270	0.000	64	12675	1.00	1.06	
26 Carbon disulfide	76	2.276	2.288	-0.012	85	21569	1.00	1.05	
28 3-Chloro-1-propene	41	2.440	2.440	0.000	76	15777	1.00	1.00	
27 Methyl acetate	43	2.495	2.489	0.006	95	24528	2.00	2.19	
30 Methylene Chloride	84	2.580	2.580	0.000	72	13087	1.00	1.05	
31 2-Methyl-2-propanol	59	2.756	2.756	0.000	64	14358	10.0	10.0	
32 Methyl tert-butyl ether	73	2.774	2.781	-0.007	89	35952	1.00	1.06	
34 trans-1,2-Dichloroethene	96	2.787	2.787	0.000	65	9726	1.00	1.04	
33 Acrylonitrile	53	2.854	2.848	0.006	99	61598	10.0	10.6	
35 Hexane	57	2.975	2.975	0.000	87	17523	1.00	1.07	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.194	3.188	0.006	42	20349	1.00	1.11	
37 Vinyl acetate	43	3.261	3.255	0.006	95	42443	2.00	1.88	
44 2,2-Dichloropropane	77	3.687	3.687	0.000	60	9625	1.00	1.01	
45 cis-1,2-Dichloroethene	96	3.730	3.724	0.006	47	10654	1.00	1.07	
43 2-Butanone (MEK)	43	3.778	3.772	0.006	94	37781	5.00	4.97	
48 Chlorobromomethane	128	3.955	3.955	0.000	70	5115	1.00	1.03	
49 Tetrahydrofuran	42	3.979	3.967	0.012	80	10811	2.00	2.14	
50 Chloroform	83	4.040	4.040	0.000	63	21528	1.00	1.20	
52 Cyclohexane	56	4.137	4.131	0.006	81	21129	1.00	1.07	
51 1,1,1-Trichloroethane	97	4.137	4.131	0.006	54	13818	1.00	0.9492	
55 Carbon tetrachloride	117	4.265	4.265	0.000	60	12042	1.00	1.01	
54 1,1-Dichloropropene	75	4.283	4.283	0.000	63	14568	1.00	1.02	
57 Benzene	78	4.484	4.484	0.000	42	44368	1.00	1.07	
53 Isobutyl alcohol	43	4.557	4.545	0.012	51	13264	25.0	21.8	
58 1,2-Dichloroethane	62	4.563	4.557	0.006	1	17566	1.00	1.08	
59 n-Heptane	43	4.679	4.673	0.006	85	17910	1.00	0.9874	
62 Trichloroethene	95	5.086	5.086	0.000	81	9592	1.00	0.9777	
64 Methylcyclohexane	83	5.196	5.196	0.000	85	19265	1.00	1.06	
65 1,2-Dichloropropane	63	5.323	5.324	-0.001	65	9984	1.00	0.9601	
67 Dibromomethane	93	5.457	5.457	0.000	72	6223	1.00	1.00	
66 1,4-Dioxane	88	5.482	5.470	0.012	0	2985	20.0	22.1	M
68 Dichlorobromomethane	83	5.622	5.616	0.006	63	13654	1.00	1.11	
69 2-Chloroethyl vinyl ether	63	5.920	5.914	0.006	61	5938	1.00	0.8900	
72 cis-1,3-Dichloropropene	75	6.035	6.029	0.006	61	15433	1.00	1.03	
73 4-Methyl-2-pentanone (MIBK)	43	6.193	6.187	0.006	94	85485	5.00	5.28	
74 Toluene	92	6.309	6.303	0.006	72	25388	1.00	1.00	
77 trans-1,3-Dichloropropene	75	6.607	6.601	0.006	66	11905	1.00	0.8454	
75 Ethyl methacrylate	69	6.662	6.662	0.000	61	12449	1.00	0.9341	
79 1,1,2-Trichloroethane	83	6.790	6.784	0.006	60	8653	1.00	1.12	
81 Tetrachloroethene	166	6.826	6.826	0.000	63	12195	1.00	1.04	
82 1,3-Dichloropropane	76	6.942	6.936	0.006	78	15956	1.00	0.9671	
80 2-Hexanone	43	7.027	7.021	0.006	91	55135	5.00	4.94	
83 Chlorodibromomethane	129	7.167	7.167	0.000	40	6455	1.00	0.7764	
84 Ethylene Dibromide	107	7.264	7.258	0.006	59	8134	1.00	0.8881	
87 Chlorobenzene	112	7.739	7.733	0.006	79	28545	1.00	1.03	
88 Ethylbenzene	91	7.830	7.830	0.000	90	49289	1.00	1.02	
89 1,1,1,2-Tetrachloroethane	131	7.836	7.836	0.000	31	8213	1.00	0.9239	
90 m-Xylene & p-Xylene	106	7.958	7.952	0.006	96	18192	1.00	0.9797	
91 o-Xylene	106	8.371	8.371	0.000	92	19802	1.00	1.04	
92 Styrene	104	8.408	8.408	0.000	66	31358	1.00	1.04	
95 Bromoform	173	8.645	8.645	0.000	54	5058	1.00	0.8710	
94 Isopropylbenzene	105	8.761	8.761	0.000	81	47384	1.00	0.9432	
101 Bromobenzene	156	9.101	9.095	0.006	81	14401	1.00	1.11	
97 1,1,2,2-Tetrachloroethane	83	9.193	9.193	0.000	32	14039	1.00	1.03	
99 N-Propylbenzene	91	9.205	9.199	0.006	90	60531	1.00	1.01	
100 1,2,3-Trichloropropane	110	9.217	9.211	0.006	47	4449	1.00	0.9874	
98 trans-1,4-Dichloro-2-butene	53	9.241	9.235	0.006	1	3883	1.00	0.8987	
103 2-Chlorotoluene	126	9.302	9.296	0.006	74	12383	1.00	1.04	
102 1,3,5-Trimethylbenzene	105	9.399	9.400	-0.001	83	44392	1.00	1.00	
105 4-Chlorotoluene	126	9.418	9.424	-0.006	70	12323	1.00	1.02	
106 tert-Butylbenzene	134	9.734	9.728	0.006	78	8724	1.00	0.9231	
107 1,2,4-Trimethylbenzene	105	9.789	9.789	0.000	44	41497	1.00	0.9289	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.947	9.953	-0.006	80	56355	1.00	1.00	
111 1,3-Dichlorobenzene	146	10.081	10.081	0.000	85	24134	1.00	0.9850	
110 4-Isopropyltoluene	119	10.105	10.105	0.000	73	45814	1.00	0.9504	
113 1,4-Dichlorobenzene	146	10.172	10.172	0.000	23	24823	1.00	0.9826	
115 n-Butylbenzene	91	10.507	10.507	0.000	89	41468	1.00	0.9646	
116 1,2-Dichlorobenzene	146	10.537	10.531	0.006	80	26394	1.00	1.09	
117 1,2-Dibromo-3-Chloropropane	75	11.291	11.292	-0.001	1	2657	1.00	1.00	
119 1,2,4-Trichlorobenzene	180	11.973	11.967	0.006	68	15799	1.00	0.8623	
120 Hexachlorobutadiene	225	12.082	12.089	-0.006	47	8980	1.00	1.01	
121 Naphthalene	128	12.180	12.180	0.000	86	43169	1.00	0.9213	
122 1,2,3-Trichlorobenzene	180	12.387	12.387	-0.001	71	17863	1.00	1.01	
S 125 1,2-Dichloroethene, Total	1				0			2.10	
S 123 Total BTEX	1				0			5.11	
S 126 1,3-Dichloropropene, Total	1				0			1.87	
S 124 Xylenes, Total	1				0			2.02	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00251	Amount Added:	1.00	Units: uL	
GAS CORP mix_00613	Amount Added:	1.00	Units: uL	
S_8260_IS_00383	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00475	Amount Added:	1.00	Units: uL	Run Reagent

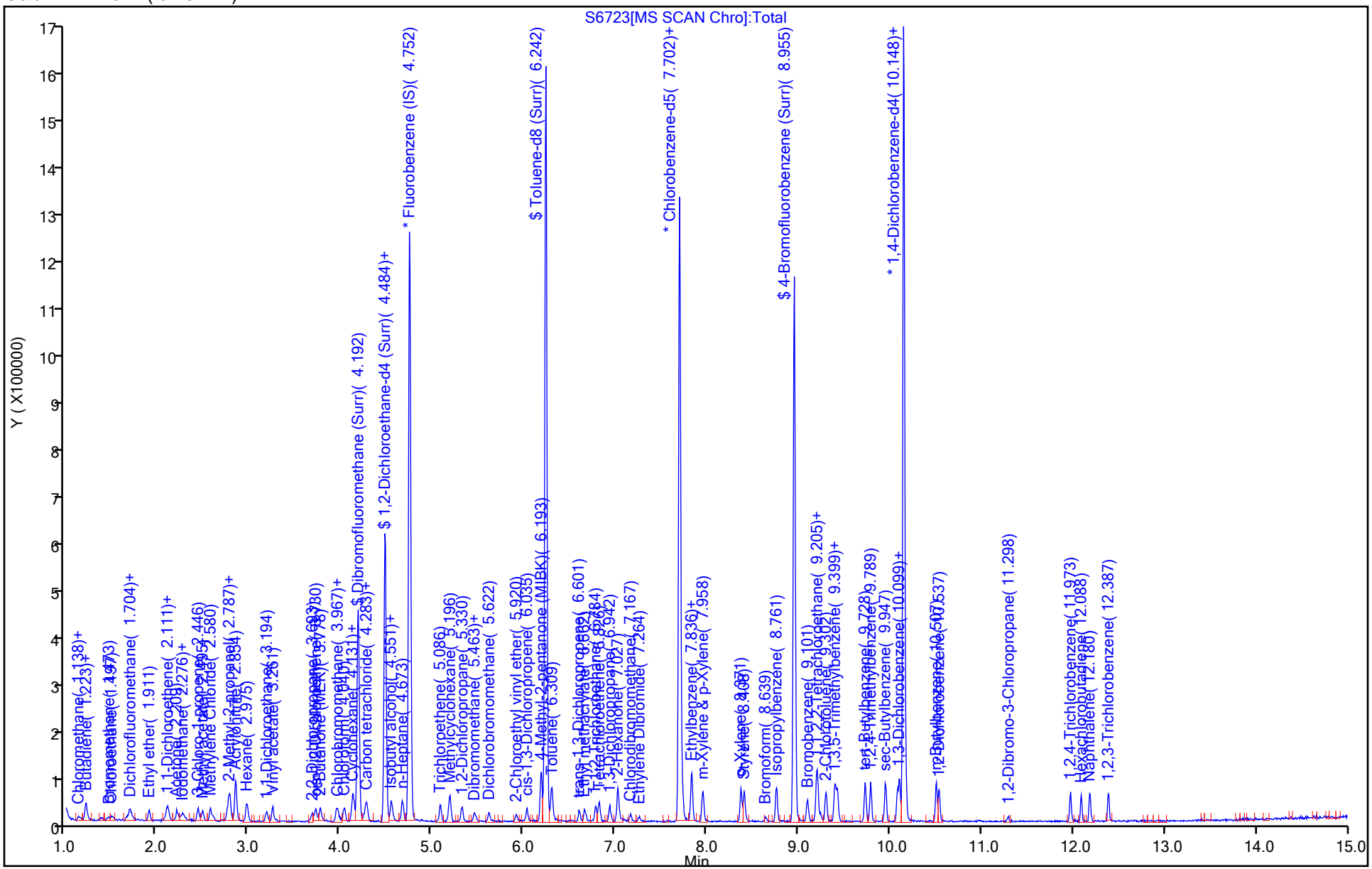
Report Date: 26-Mar-2024 10:45:34 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6723.d

Injection Date:	25-Mar-2024 22:36:30	Instrument ID:	HP5973S	Operator ID:	cdc
Lims ID:	IC			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo

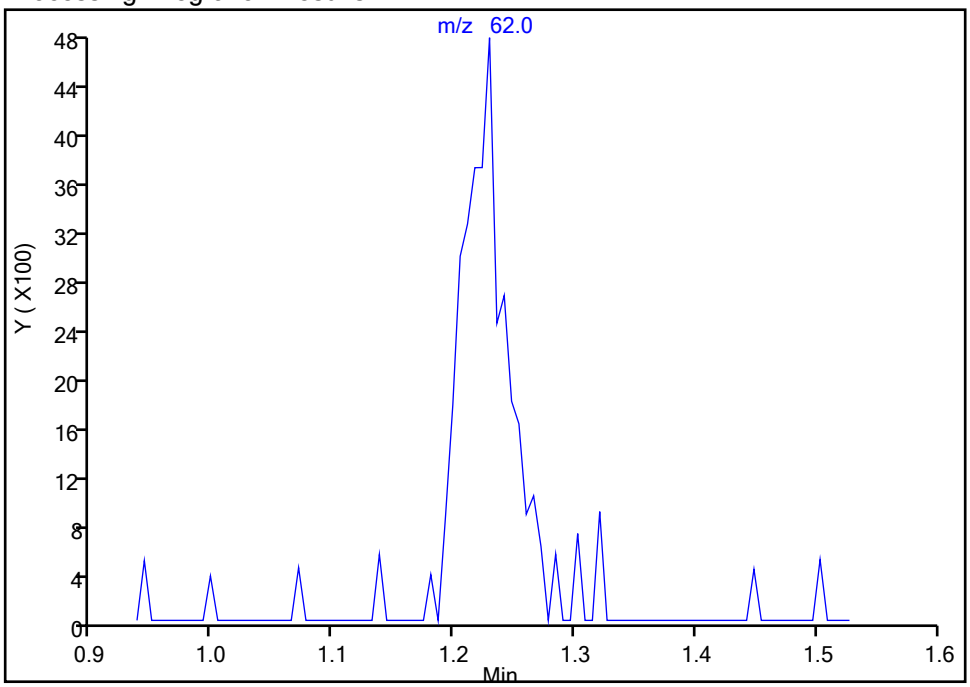
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6723.d
Injection Date: 25-Mar-2024 22:36:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: cdc ALS Bottle#: 3 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

13 Vinyl chloride, CAS: 75-01-4

Signal: 1

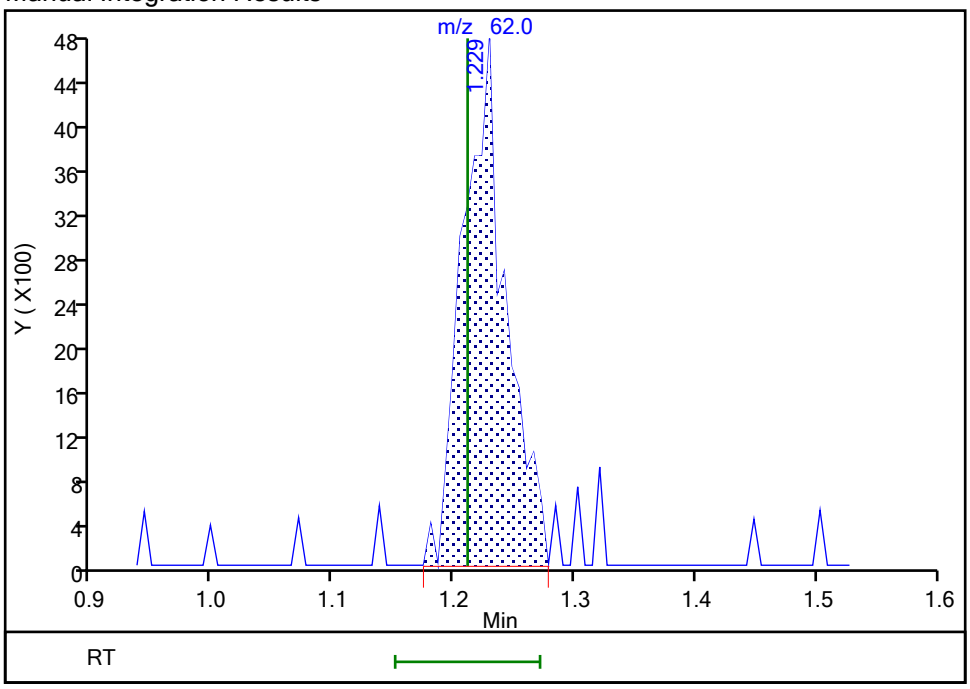
Not Detected
Expected RT: 1.21

Processing Integration Results



Manual Integration Results

RT: 1.23
Area: 11698
Amount: 1.091700
Amount Units: ug/L



Reviewer: QR3Z, 26-Mar-2024 08:22:14 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

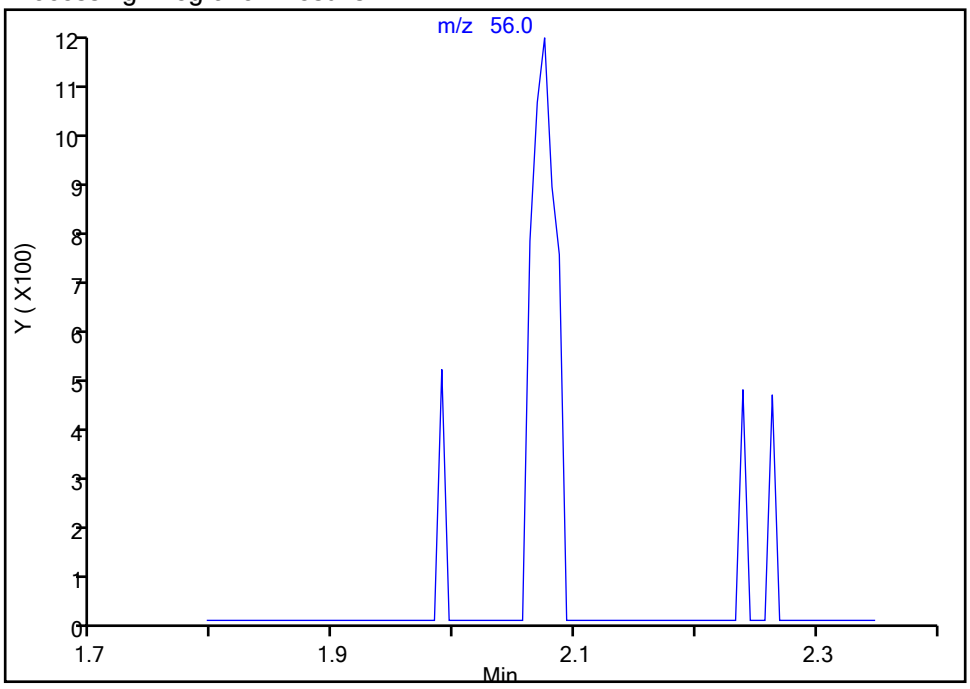
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6723.d
Injection Date: 25-Mar-2024 22:36:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: cdc ALS Bottle#: 3 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

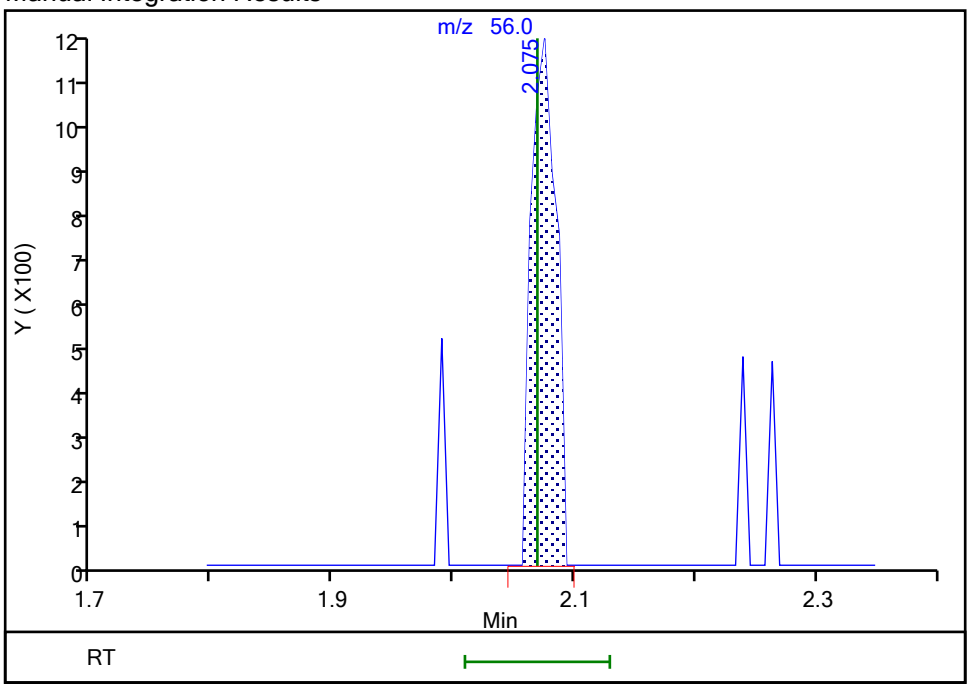
Not Detected
Expected RT: 2.07

Processing Integration Results



Manual Integration Results

RT: 2.07
Area: 1608
Amount: 4.615295
Amount Units: ug/L



Reviewer: QR3Z, 26-Mar-2024 08:22:25 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

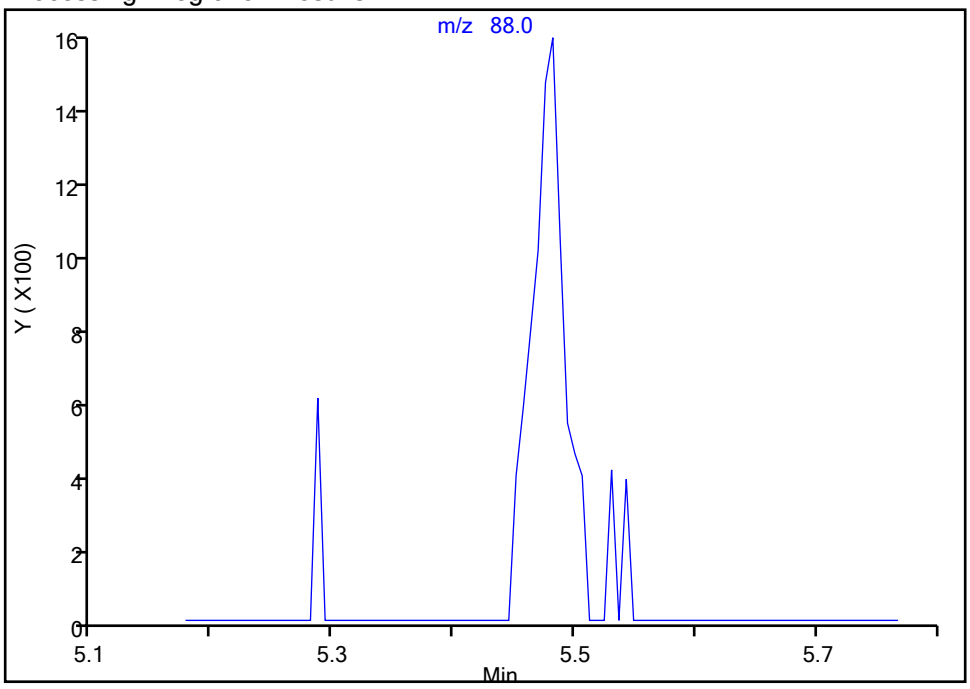
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6723.d
Injection Date: 25-Mar-2024 22:36:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: cdc ALS Bottle#: 3 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

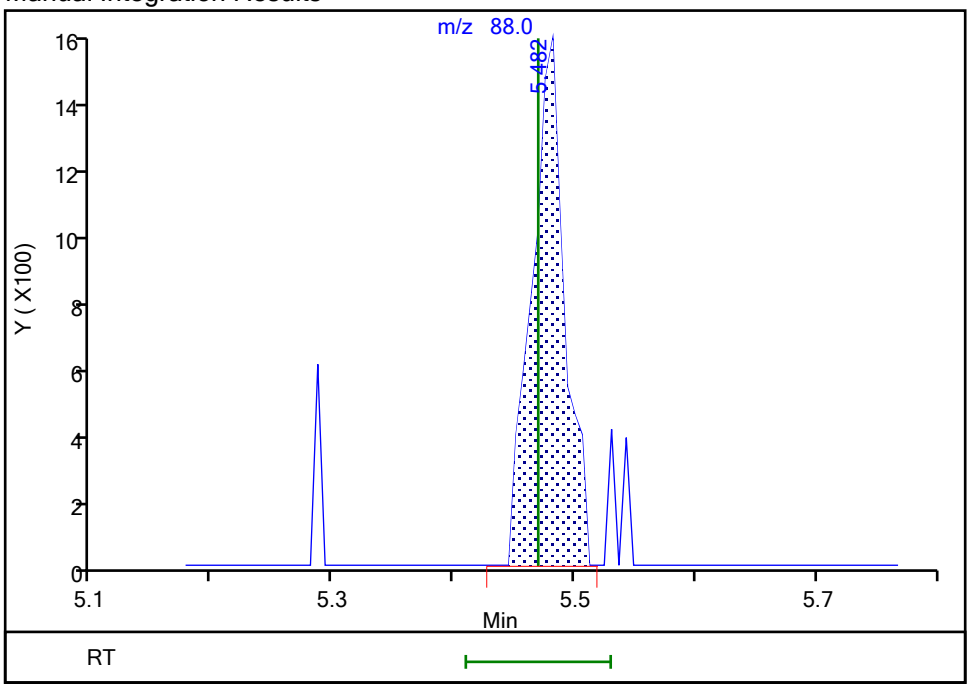
Not Detected
Expected RT: 5.47

Processing Integration Results



Manual Integration Results

RT: 5.48
Area: 2985
Amount: 22.089959
Amount Units: ug/L



Reviewer: QR3Z, 26-Mar-2024 08:22:44 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6724.d
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 25-Mar-2024 22:59:30 ALS Bottle#: 4 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0116934-009
Operator ID: cdc Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Mar-2024 10:45:51 Calib Date: 26-Mar-2024 05:09:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6740.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: QR3Z Date: 26-Mar-2024 08:21:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.752	4.752	0.000	98	218474	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.702	7.702	0.000	86	418182	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.148	10.154	-0.006	94	440612	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.192	4.192	0.000	56	244177	25.0	24.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.484	4.484	0.000	98	181565	25.0	24.3	
$ 5 Toluene-d8 (Surr)	98	6.242	6.242	0.000	92	945112	25.0	24.6	
$ 6 4-Bromofluorobenzene (Surr)	174	8.955	8.955	0.000	90	329284	25.0	25.1	
10 Dichlorodifluoromethane	85	0.998	0.998	0.000	76	22918	2.00	1.83	M
12 Chloromethane	50	1.138	1.138	0.000	70	26429	2.00	1.97	
13 Vinyl chloride	62	1.223	1.211	0.012	45	21361	2.00	1.80	
151 Butadiene	54	1.223	1.223	0.000	81	28239	2.00	2.03	
14 Bromomethane	94	1.467	1.461	0.007	69	10747	2.00	1.72	
15 Chloroethane	64	1.503	1.503	0.000	75	11252	2.00	1.66	
16 Dichlorofluoromethane	67	1.698	1.698	0.000	79	30243	2.00	1.69	
17 Trichlorofluoromethane	101	1.661	1.704	-0.043	69	26352	2.00	1.62	
18 Ethyl ether	59	1.905	1.905	0.000	90	17213	2.00	1.78	
20 Acrolein	56	2.069	2.069	0.000	0	3472	10.0	9.00	M
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.111	2.111	0.000	44	15850	2.00	1.87	
22 1,1-Dichloroethene	96	2.118	2.111	0.007	90	13084	2.00	1.81	
23 Acetone	43	2.215	2.209	0.006	93	46184	10.0	9.15	
25 Iodomethane	142	2.270	2.270	0.000	73	22787	2.00	1.72	
26 Carbon disulfide	76	2.294	2.288	0.006	85	40971	2.00	1.79	
28 3-Chloro-1-propene	41	2.440	2.440	0.000	72	31082	2.00	1.78	
27 Methyl acetate	43	2.489	2.489	0.000	95	44538	4.00	3.60	
30 Methylene Chloride	84	2.580	2.580	0.000	82	22183	2.00	1.84	
31 2-Methyl-2-propanol	59	2.756	2.756	0.000	85	26608	20.0	16.8	
32 Methyl tert-butyl ether	73	2.781	2.781	0.000	90	64887	2.00	1.73	
34 trans-1,2-Dichloroethene	96	2.787	2.787	0.000	68	19248	2.00	1.85	
33 Acrylonitrile	53	2.854	2.848	0.006	100	118934	20.0	18.5	
35 Hexane	57	2.975	2.975	0.000	85	34611	2.00	1.90	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.188	3.188	0.000	66	37433	2.00	1.84	
37 Vinyl acetate	43	3.255	3.255	0.000	88	81063	4.00	3.24	
44 2,2-Dichloropropane	77	3.687	3.687	0.000	76	18923	2.00	1.80	
45 cis-1,2-Dichloroethene	96	3.724	3.724	0.000	63	19636	2.00	1.78	
43 2-Butanone (MEK)	43	3.778	3.772	0.006	99	75414	10.0	8.95	
48 Chlorobromomethane	128	3.955	3.955	0.000	83	10376	2.00	1.88	
49 Tetrahydrofuran	42	3.973	3.967	0.006	80	18964	4.00	3.39	
50 Chloroform	83	4.040	4.040	0.000	88	34467	2.00	1.74	
52 Cyclohexane	56	4.131	4.131	0.000	92	38701	2.00	1.77	
51 1,1,1-Trichloroethane	97	4.131	4.131	0.000	78	27637	2.00	1.71	
55 Carbon tetrachloride	117	4.259	4.265	-0.006	77	21403	2.00	1.62	
54 1,1-Dichloropropene	75	4.277	4.283	-0.006	82	29419	2.00	1.86	M
57 Benzene	78	4.478	4.484	-0.006	54	80204	2.00	1.75	
53 Isobutyl alcohol	43	4.551	4.545	0.006	45	27693	50.0	41.0	
58 1,2-Dichloroethane	62	4.563	4.557	0.006	44	33655	2.00	1.86	
59 n-Heptane	43	4.673	4.673	0.000	95	35112	2.00	1.75	
62 Trichloroethene	95	5.080	5.086	-0.006	76	20397	2.00	1.88	
64 Methylcyclohexane	83	5.190	5.196	-0.006	90	34661	2.00	1.72	
65 1,2-Dichloropropane	63	5.317	5.324	-0.007	83	22685	2.00	1.97	
67 Dibromomethane	93	5.463	5.457	0.006	77	12435	2.00	1.80	
66 1,4-Dioxane	88	5.488	5.470	0.018	54	5872	40.0	41.5	
68 Dichlorobromomethane	83	5.616	5.616	0.000	86	23964	2.00	1.76	
69 2-Chloroethyl vinyl ether	63	5.914	5.914	0.000	78	13161	2.00	1.78	
72 cis-1,3-Dichloropropene	75	6.029	6.029	0.000	70	28149	2.00	1.69	
73 4-Methyl-2-pentanone (MIBK)	43	6.187	6.187	0.000	96	157266	10.0	9.28	
74 Toluene	92	6.303	6.303	0.000	86	44707	2.00	1.68	
77 trans-1,3-Dichloropropene	75	6.607	6.601	0.006	82	26717	2.00	1.81	
75 Ethyl methacrylate	69	6.668	6.662	0.006	83	22810	2.00	1.64	
79 1,1,2-Trichloroethane	83	6.784	6.784	0.000	88	16084	2.00	1.98	
81 Tetrachloroethene	166	6.826	6.826	0.000	74	23549	2.00	1.92	
82 1,3-Dichloropropane	76	6.942	6.936	0.006	86	33454	2.00	1.94	
80 2-Hexanone	43	7.027	7.021	0.006	97	102076	10.0	8.74	
83 Chlorodibromomethane	129	7.161	7.167	-0.006	59	15083	2.00	1.73	
84 Ethylene Dibromide	107	7.258	7.258	0.000	81	18118	2.00	1.89	
87 Chlorobenzene	112	7.733	7.733	0.000	86	53733	2.00	1.85	
88 Ethylbenzene	91	7.830	7.830	0.000	97	94040	2.00	1.86	
89 1,1,1,2-Tetrachloroethane	131	7.830	7.836	-0.006	28	15354	2.00	1.65	
90 m-Xylene & p-Xylene	106	7.958	7.952	0.006	95	36319	2.00	1.87	
91 o-Xylene	106	8.371	8.371	0.000	93	35193	2.00	1.77	
92 Styrene	104	8.408	8.408	0.000	84	60456	2.00	1.92	
95 Bromoform	173	8.639	8.645	-0.006	55	10169	2.00	1.67	
94 Isopropylbenzene	105	8.761	8.761	0.000	92	96264	2.00	1.83	
101 Bromobenzene	156	9.101	9.095	0.006	93	24002	2.00	1.76	
97 1,1,2,2-Tetrachloroethane	83	9.187	9.193	-0.006	78	26960	2.00	1.89	
99 N-Propylbenzene	91	9.199	9.199	0.000	96	112149	2.00	1.78	
100 1,2,3-Trichloropropane	110	9.211	9.211	0.000	50	8432	2.00	1.78	
98 trans-1,4-Dichloro-2-butene	53	9.247	9.235	0.012	1	6481	2.00	1.43	
103 2-Chlorotoluene	126	9.302	9.296	0.006	94	22942	2.00	1.85	
102 1,3,5-Trimethylbenzene	105	9.400	9.400	0.000	93	81280	2.00	1.74	
105 4-Chlorotoluene	126	9.424	9.424	0.000	86	22125	2.00	1.75	
106 tert-Butylbenzene	134	9.728	9.728	0.000	88	15843	2.00	1.60	
107 1,2,4-Trimethylbenzene	105	9.789	9.789	0.000	91	80512	2.00	1.72	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.953	9.953	0.000	90	104719	2.00	1.77	
111 1,3-Dichlorobenzene	146	10.081	10.081	0.000	94	48232	2.00	1.88	
110 4-Isopropyltoluene	119	10.105	10.105	0.000	95	89769	2.00	1.78	
113 1,4-Dichlorobenzene	146	10.172	10.172	0.000	65	48521	2.00	1.83	
115 n-Butylbenzene	91	10.507	10.507	0.000	90	83256	2.00	1.85	
116 1,2-Dichlorobenzene	146	10.537	10.531	0.006	90	45247	2.00	1.78	
117 1,2-Dibromo-3-Chloropropane	75	11.298	11.292	0.006	29	4003	2.00	1.44	
119 1,2,4-Trichlorobenzene	180	11.973	11.967	0.006	80	33103	2.00	1.72	
120 Hexachlorobutadiene	225	12.088	12.089	0.000	77	17816	2.00	1.91	
121 Naphthalene	128	12.180	12.180	0.000	90	81522	2.00	1.66	
122 1,2,3-Trichlorobenzene	180	12.380	12.387	-0.007	82	31311	2.00	1.69	
S 125 1,2-Dichloroethene, Total	1				0			3.63	
S 123 Total BTEX	1				0			8.93	
S 126 1,3-Dichloropropene, Total	1				0			3.50	
S 124 Xylenes, Total	1				0			3.64	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00251	Amount Added:	2.00	Units: uL	
GAS CORP mix_00613	Amount Added:	2.00	Units: uL	
S_8260_IS_00383	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00475	Amount Added:	1.00	Units: uL	Run Reagent

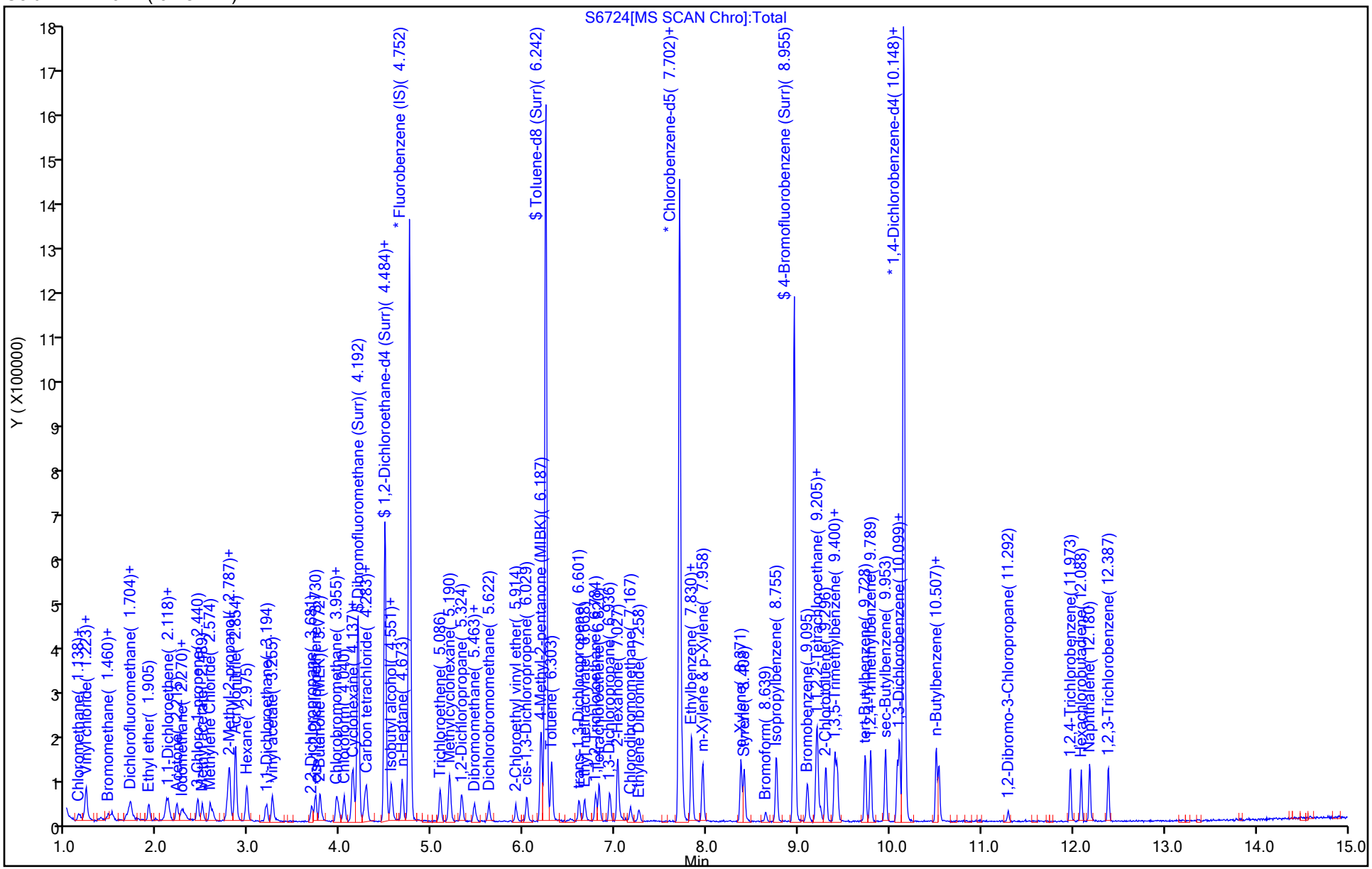
Report Date: 26-Mar-2024 10:45:51 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6724.d

Injection Date:	25-Mar-2024 22:59:30	Instrument ID:	HP5973S	Operator ID:	cdc
Lims ID:	IC 2			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

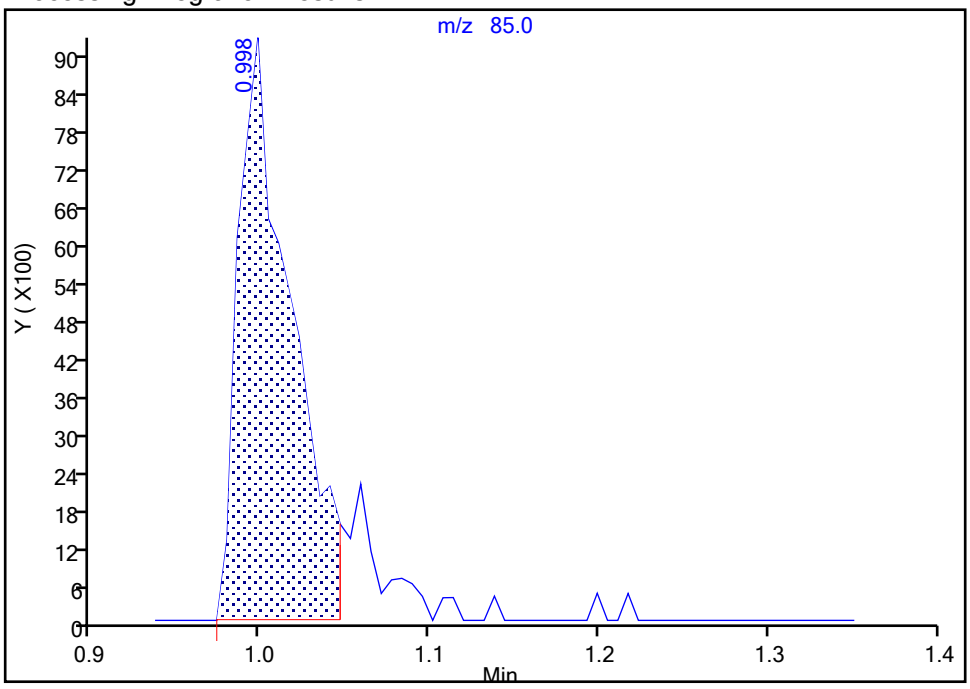
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6724.d
Injection Date: 25-Mar-2024 22:59:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: cdc ALS Bottle#: 4 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

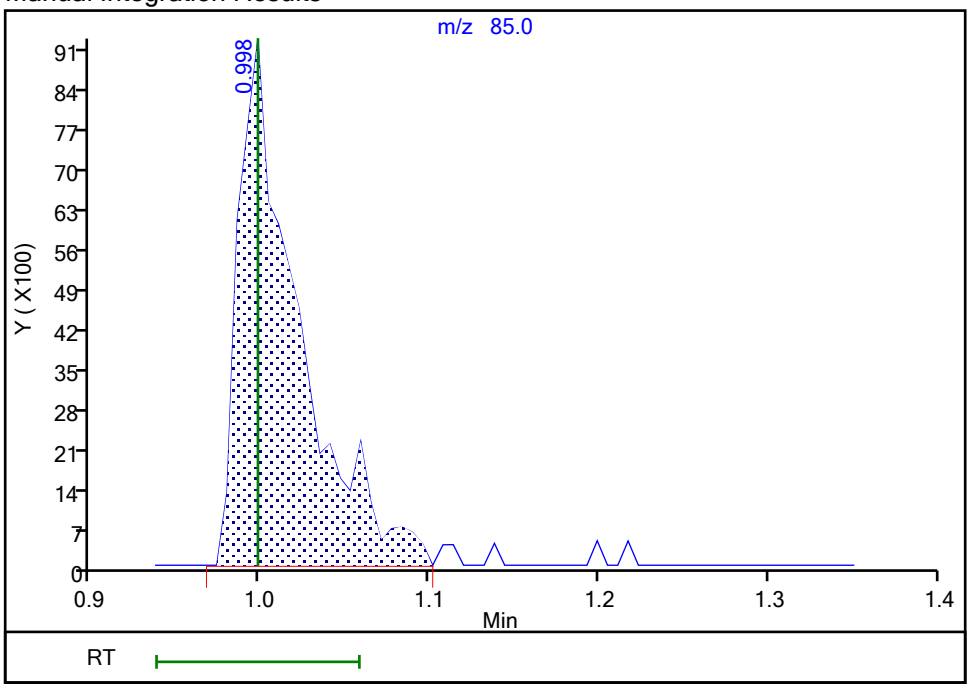
Processing Integration Results

RT: 1.00
Area: 20253
Amount: 1.640605
Amount Units: ug/L



Manual Integration Results

RT: 1.00
Area: 22918
Amount: 1.831770
Amount Units: ug/L



Reviewer: QR3Z, 26-Mar-2024 08:20:25 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

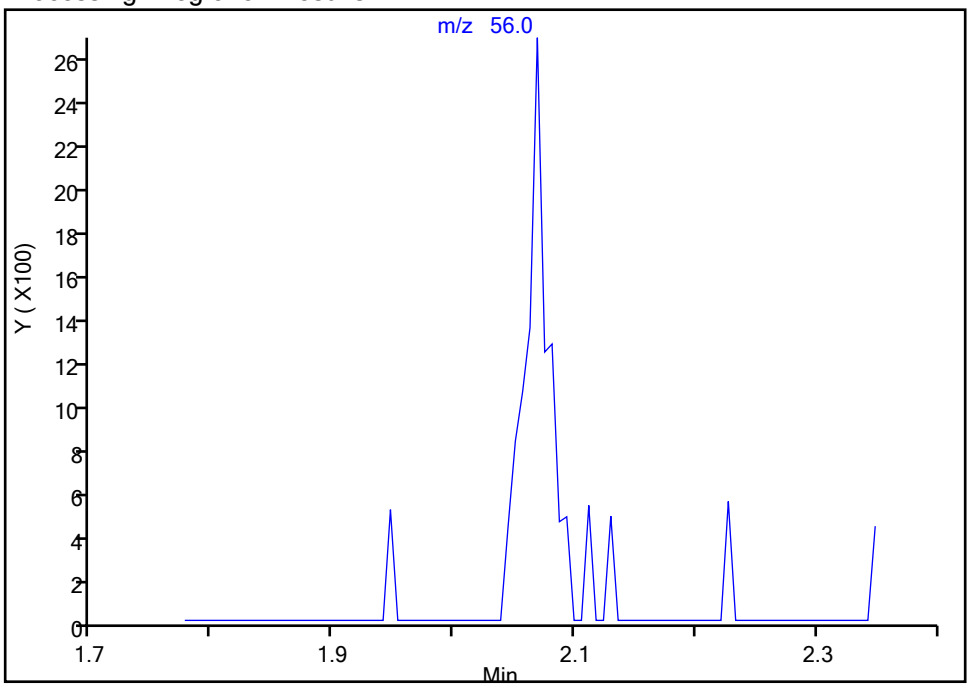
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6724.d
Injection Date: 25-Mar-2024 22:59:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: cdc ALS Bottle#: 4 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

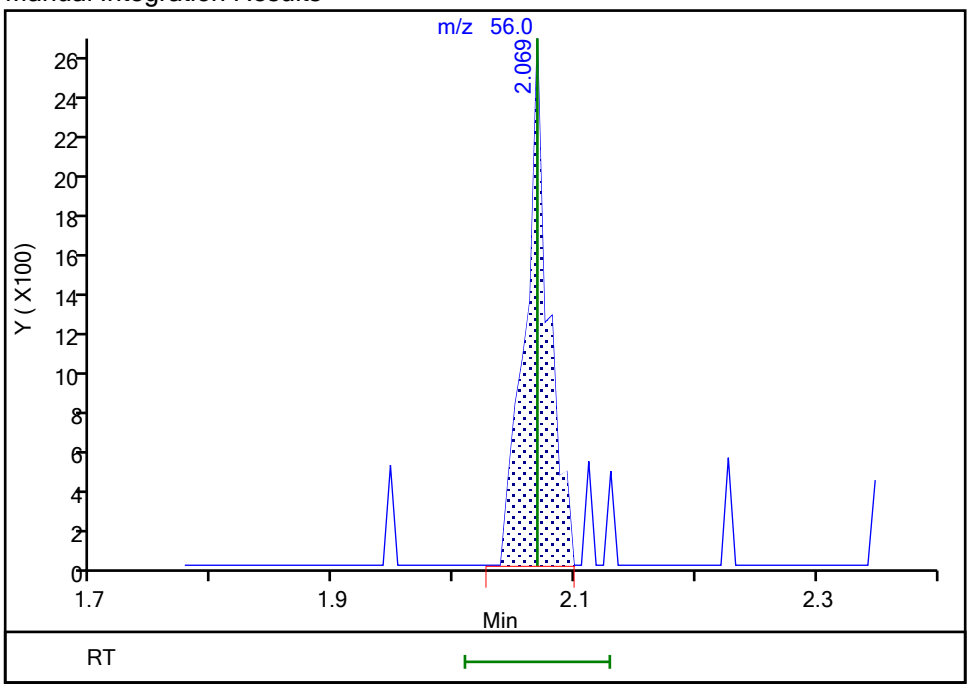
Not Detected
Expected RT: 2.07

Processing Integration Results



Manual Integration Results

RT: 2.07
Area: 3472
Amount: 8.995484
Amount Units: ug/L



Reviewer: QR3Z, 26-Mar-2024 08:20:42 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

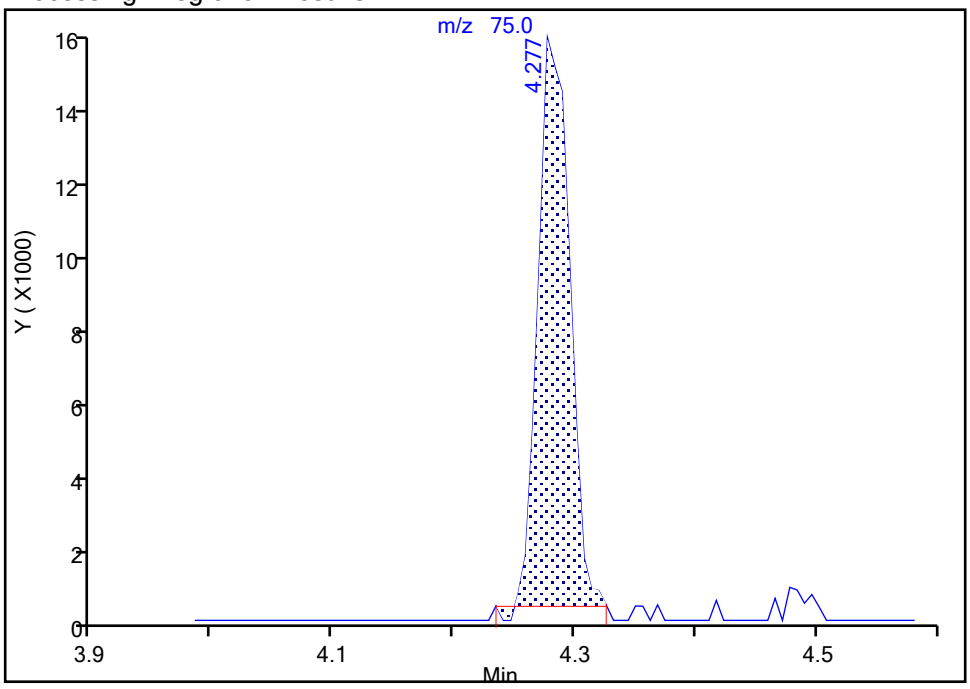
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6724.d
Injection Date: 25-Mar-2024 22:59:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: cdc ALS Bottle#: 4 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

54 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

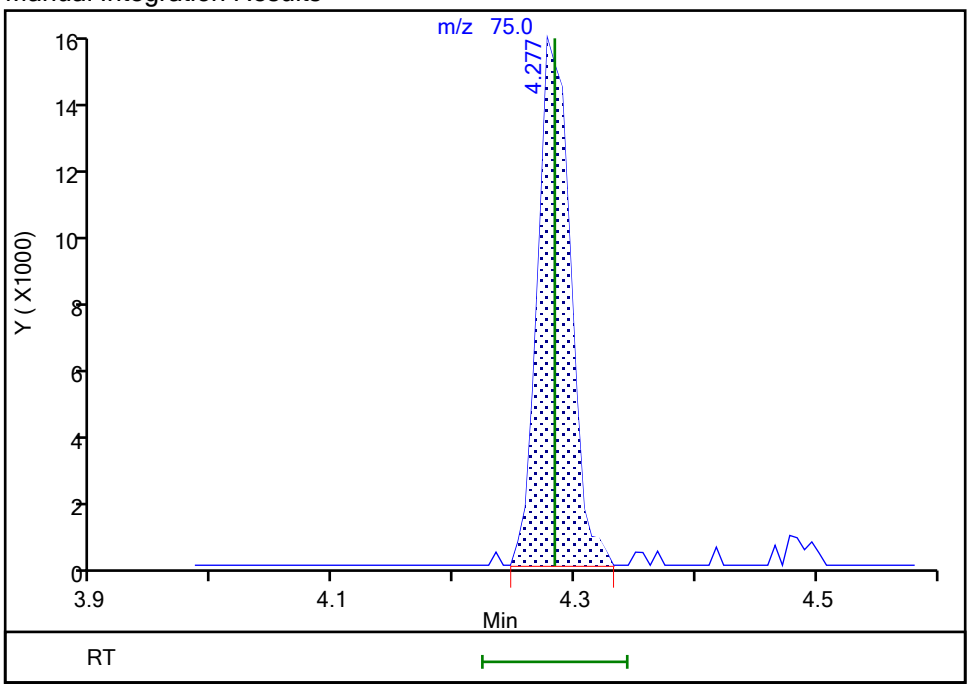
Processing Integration Results

RT: 4.28
Area: 27294
Amount: 1.742095
Amount Units: ug/L



Manual Integration Results

RT: 4.28
Area: 29419
Amount: 1.861944
Amount Units: ug/L



Reviewer: QR3Z, 26-Mar-2024 08:21:01 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6725.d
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 25-Mar-2024 23:22:30 ALS Bottle#: 5 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0116934-010
Operator ID: cdc Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Mar-2024 10:46:07 Calib Date: 26-Mar-2024 05:09:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6740.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: QR3Z Date: 26-Mar-2024 08:18:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.752	4.752	0.000	97	216121	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.702	7.702	0.000	86	423290	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	91	441050	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.192	4.192	0.000	57	247334	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.484	4.484	0.000	92	183017	25.0	24.8	
$ 5 Toluene-d8 (Surr)	98	6.242	6.242	0.000	91	957944	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr)	174	8.956	8.955	0.001	91	328552	25.0	24.7	
10 Dichlorodifluoromethane	85	0.998	0.998	0.000	92	58965	5.00	4.76	M
12 Chloromethane	50	1.138	1.138	0.000	81	63031	5.00	4.76	
13 Vinyl chloride	62	1.211	1.211	0.000	78	57291	5.00	4.88	
151 Butadiene	54	1.223	1.223	0.000	90	66333	5.00	4.81	
14 Bromomethane	94	1.473	1.461	0.013	81	30911	5.00	5.01	
15 Chloroethane	64	1.503	1.503	0.000	93	30099	5.00	4.48	
16 Dichlorofluoromethane	67	1.692	1.698	-0.006	95	87634	5.00	4.95	
17 Trichlorofluoromethane	101	1.704	1.704	0.000	40	75498	5.00	4.70	M
18 Ethyl ether	59	1.911	1.905	0.006	90	44236	5.00	4.61	
20 Acrolein	56	2.075	2.069	0.006	63	9197	25.0	24.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.105	2.111	-0.006	62	41371	5.00	4.92	
22 1,1-Dichloroethene	96	2.118	2.111	0.007	96	35733	5.00	5.00	
23 Acetone	43	2.215	2.209	0.006	96	117142	25.0	23.5	
25 Iodomethane	142	2.264	2.270	-0.006	95	60906	5.00	4.65	
26 Carbon disulfide	76	2.294	2.288	0.006	86	107028	5.00	4.74	M
28 3-Chloro-1-propene	41	2.440	2.440	0.000	82	81179	5.00	4.69	
27 Methyl acetate	43	2.489	2.489	0.000	96	123073	10.0	10.0	
30 Methylene Chloride	84	2.580	2.580	0.000	88	56096	5.00	5.41	
31 2-Methyl-2-propanol	59	2.762	2.756	0.006	68	70174	50.0	44.8	
32 Methyl tert-butyl ether	73	2.781	2.781	0.000	93	173160	5.00	4.68	
34 trans-1,2-Dichloroethene	96	2.793	2.787	0.006	85	49421	5.00	4.81	
33 Acrylonitrile	53	2.854	2.848	0.006	100	307092	50.0	48.2	
35 Hexane	57	2.975	2.975	0.000	94	87805	5.00	4.88	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.188	3.188	0.000	84	94240	5.00	4.67	
37 Vinyl acetate	43	3.255	3.255	0.000	96	221526	10.0	8.95	
44 2,2-Dichloropropane	77	3.687	3.687	0.000	83	50536	5.00	4.86	
45 cis-1,2-Dichloroethene	96	3.730	3.724	0.006	74	52942	5.00	4.84	
43 2-Butanone (MEK)	43	3.772	3.772	0.000	97	192354	25.0	23.1	
48 Chlorobromomethane	128	3.961	3.955	0.006	92	27172	5.00	4.97	
49 Tetrahydrofuran	42	3.973	3.967	0.006	90	55129	10.0	9.97	
50 Chloroform	83	4.040	4.040	0.000	81	90012	5.00	4.59	
52 Cyclohexane	56	4.137	4.131	0.006	90	106313	5.00	4.92	
51 1,1,1-Trichloroethane	97	4.137	4.131	0.006	79	78456	5.00	4.92	
55 Carbon tetrachloride	117	4.265	4.265	0.000	85	57856	5.00	4.44	
54 1,1-Dichloropropene	75	4.283	4.283	0.000	82	71790	5.00	4.59	
57 Benzene	78	4.478	4.484	-0.006	78	218224	5.00	4.82	
53 Isobutyl alcohol	43	4.545	4.545	0.000	57	72111	125.0	107.9	
58 1,2-Dichloroethane	62	4.557	4.557	0.000	74	86837	5.00	4.85	
59 n-Heptane	43	4.679	4.673	0.006	96	102242	5.00	5.14	
62 Trichloroethene	95	5.086	5.086	0.000	86	51562	5.00	4.80	
64 Methylcyclohexane	83	5.196	5.196	0.000	91	93790	5.00	4.70	
65 1,2-Dichloropropane	63	5.324	5.324	0.000	88	53904	5.00	4.73	
67 Dibromomethane	93	5.457	5.457	0.000	88	31420	5.00	4.61	
66 1,4-Dioxane	88	5.476	5.470	0.006	72	13438	100.0	93.9	
68 Dichlorobromomethane	83	5.622	5.616	0.006	91	62330	5.00	4.64	
69 2-Chloroethyl vinyl ether	63	5.914	5.914	0.000	85	34491	5.00	4.72	
72 cis-1,3-Dichloropropene	75	6.029	6.029	0.000	83	74010	5.00	4.49	
73 4-Methyl-2-pentanone (MIBK)	43	6.188	6.187	0.001	98	413225	25.0	24.1	
74 Toluene	92	6.303	6.303	0.000	73	132961	5.00	4.94	
77 trans-1,3-Dichloropropene	75	6.601	6.601	0.000	95	65688	5.00	4.41	
75 Ethyl methacrylate	69	6.662	6.662	0.000	74	67437	5.00	4.78	
79 1,1,2-Trichloroethane	83	6.790	6.784	0.006	88	37123	5.00	4.52	
81 Tetrachloroethene	166	6.826	6.826	0.000	88	59696	5.00	4.80	
82 1,3-Dichloropropane	76	6.936	6.936	0.000	96	82608	5.00	4.73	
80 2-Hexanone	43	7.027	7.021	0.006	99	282994	25.0	23.9	
83 Chlorodibromomethane	129	7.167	7.167	0.000	78	38309	5.00	4.35	
84 Ethylene Dibromide	107	7.258	7.258	0.000	91	44517	5.00	4.59	
87 Chlorobenzene	112	7.733	7.733	0.000	94	143599	5.00	4.89	
88 Ethylbenzene	91	7.830	7.830	0.000	97	241767	5.00	4.72	
89 1,1,1,2-Tetrachloroethane	131	7.836	7.836	0.000	44	41648	5.00	4.42	
90 m-Xylene & p-Xylene	106	7.958	7.952	0.006	97	96442	5.00	4.90	
91 o-Xylene	106	8.372	8.371	0.001	96	98685	5.00	4.89	
92 Styrene	104	8.402	8.408	-0.006	87	151852	5.00	4.76	
95 Bromoform	173	8.639	8.645	-0.006	84	24767	5.00	4.03	
94 Isopropylbenzene	105	8.761	8.761	0.000	96	253430	5.00	4.81	
101 Bromobenzene	156	9.102	9.095	0.007	90	62219	5.00	4.55	
97 1,1,2,2-Tetrachloroethane	83	9.193	9.193	0.000	56	66829	5.00	4.68	
99 N-Propylbenzene	91	9.199	9.199	0.000	98	292359	5.00	4.64	
100 1,2,3-Trichloropropane	110	9.211	9.211	0.000	58	22493	5.00	4.76	
98 trans-1,4-Dichloro-2-butene	53	9.241	9.235	0.006	58	20947	5.00	4.62	M
103 2-Chlorotoluene	126	9.302	9.296	0.006	92	57610	5.00	4.63	
102 1,3,5-Trimethylbenzene	105	9.400	9.400	0.000	93	218659	5.00	4.68	
105 4-Chlorotoluene	126	9.424	9.424	0.000	97	62968	5.00	4.97	
106 tert-Butylbenzene	134	9.728	9.728	0.000	92	49345	5.00	4.97	
107 1,2,4-Trimethylbenzene	105	9.789	9.789	0.000	67	223528	5.00	4.77	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.953	9.953	0.000	94	289400	5.00	4.87	
111 1,3-Dichlorobenzene	146	10.081	10.081	0.000	96	121808	5.00	4.74	
110 4-Isopropyltoluene	119	10.105	10.105	0.000	94	245732	5.00	4.86	
113 1,4-Dichlorobenzene	146	10.172	10.172	0.000	89	126669	5.00	4.78	
115 n-Butylbenzene	91	10.507	10.507	0.000	96	220771	5.00	4.89	
116 1,2-Dichlorobenzene	146	10.537	10.531	0.006	94	119370	5.00	4.69	
117 1,2-Dibromo-3-Chloropropane	75	11.286	11.292	-0.006	53	12369	5.00	4.44	
119 1,2,4-Trichlorobenzene	180	11.967	11.967	0.000	92	88732	5.00	4.61	
120 Hexachlorobutadiene	225	12.089	12.089	0.001	86	46124	5.00	4.93	
121 Naphthalene	128	12.180	12.180	0.000	97	215213	5.00	4.38	
122 1,2,3-Trichlorobenzene	180	12.387	12.387	0.000	92	88195	5.00	4.75	
S 125 1,2-Dichloroethene, Total	1				0			9.65	
S 123 Total BTEX	1				0			24.3	
S 126 1,3-Dichloropropene, Total	1				0			8.90	
S 124 Xylenes, Total	1				0			9.80	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00251	Amount Added:	5.00	Units: uL	
GAS CORP mix_00613	Amount Added:	5.00	Units: uL	
S_8260_IS_00383	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00475	Amount Added:	1.00	Units: uL	Run Reagent

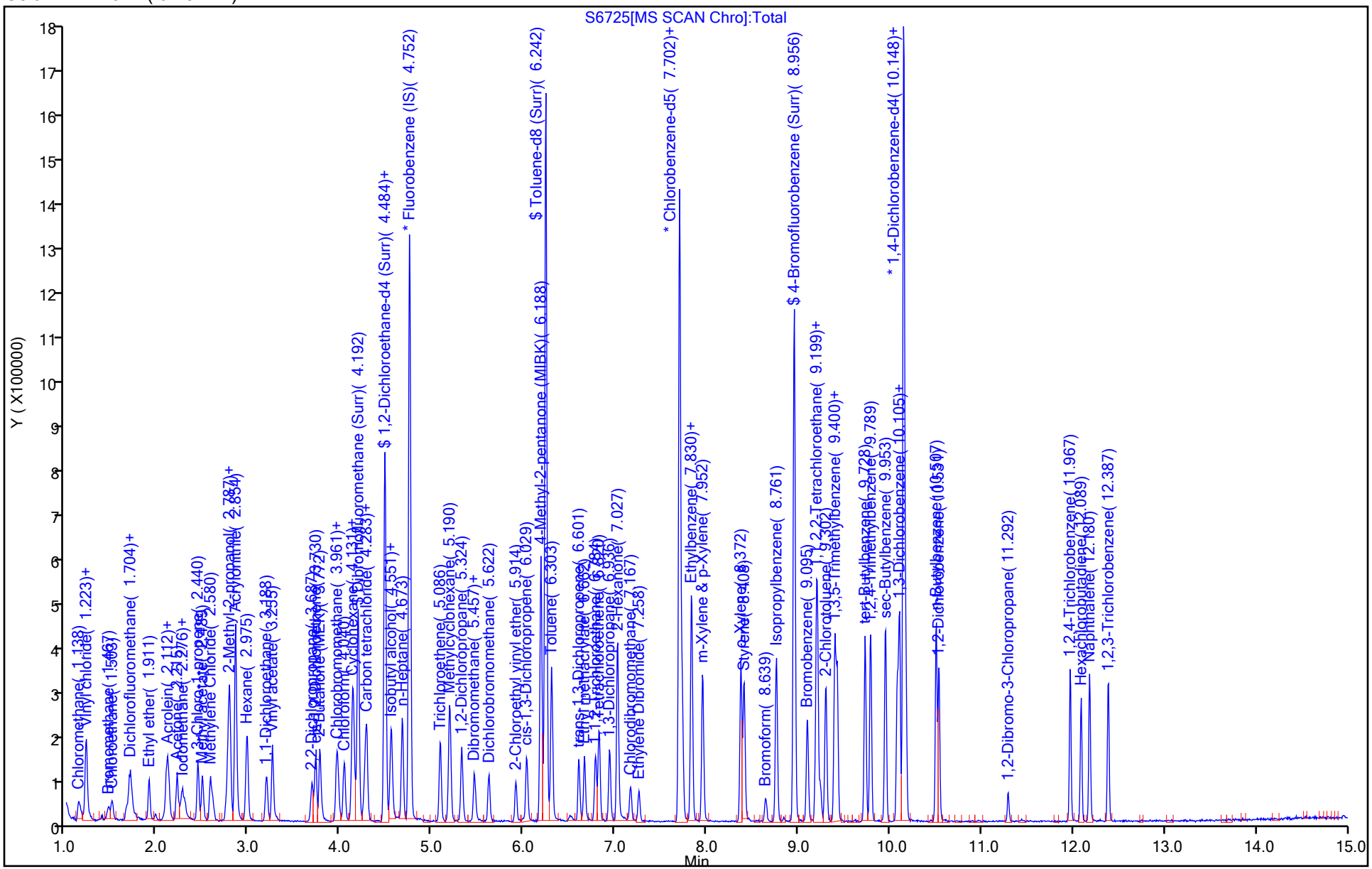
Report Date: 26-Mar-2024 10:46:08 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6725.d

Injection Date:	25-Mar-2024 23:22:30	Instrument ID:	HP5973S	Operator ID:	cdc
Lims ID:	IC 3			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

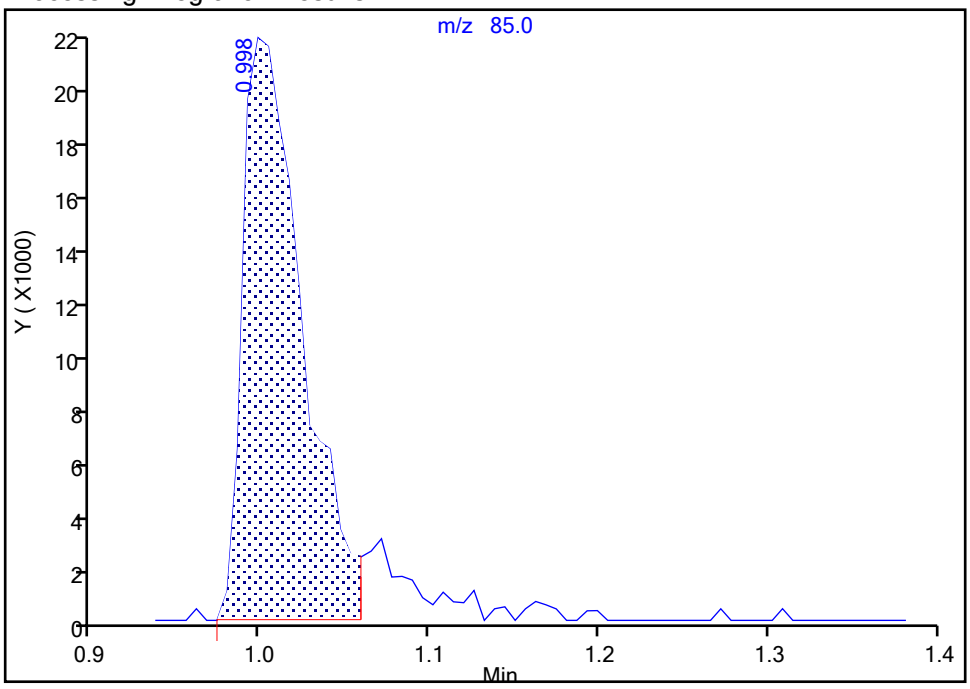
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6725.d
Injection Date: 25-Mar-2024 23:22:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: cdc ALS Bottle#: 5 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

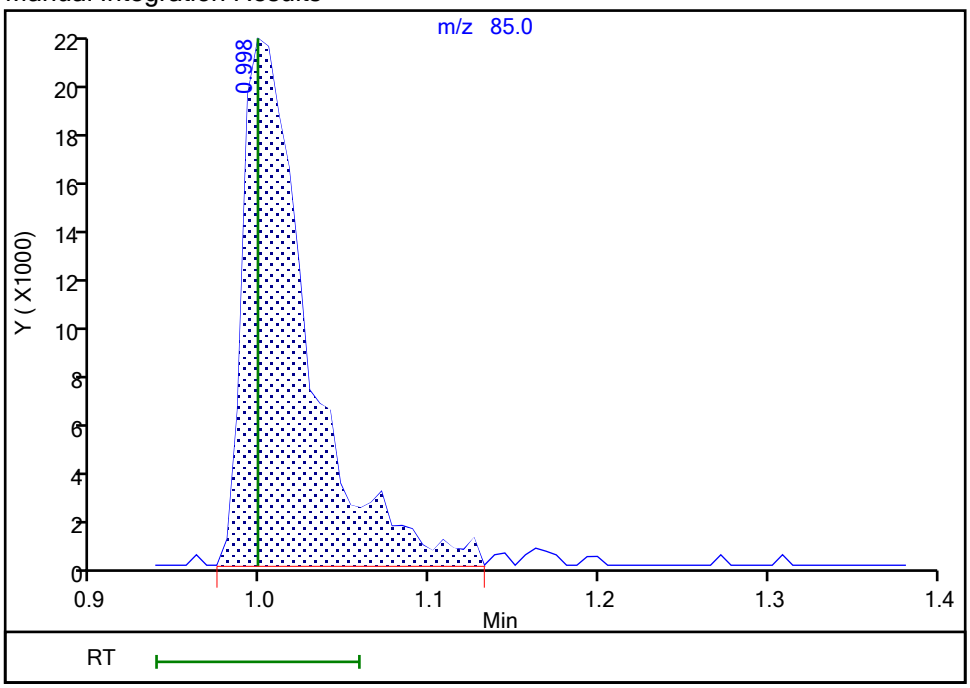
Processing Integration Results

RT: 1.00
Area: 53358
Amount: 4.420089
Amount Units: ug/L



Manual Integration Results

RT: 1.00
Area: 58965
Amount: 4.764215
Amount Units: ug/L



Reviewer: QR3Z, 26-Mar-2024 08:18:58 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

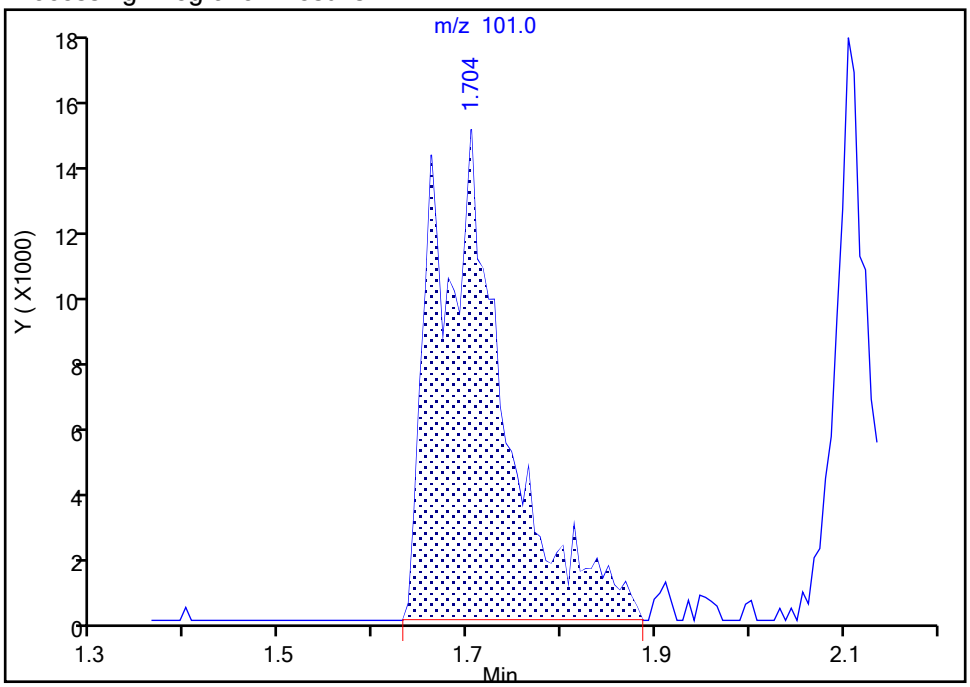
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6725.d
Injection Date: 25-Mar-2024 23:22:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: cdc ALS Bottle#: 5 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

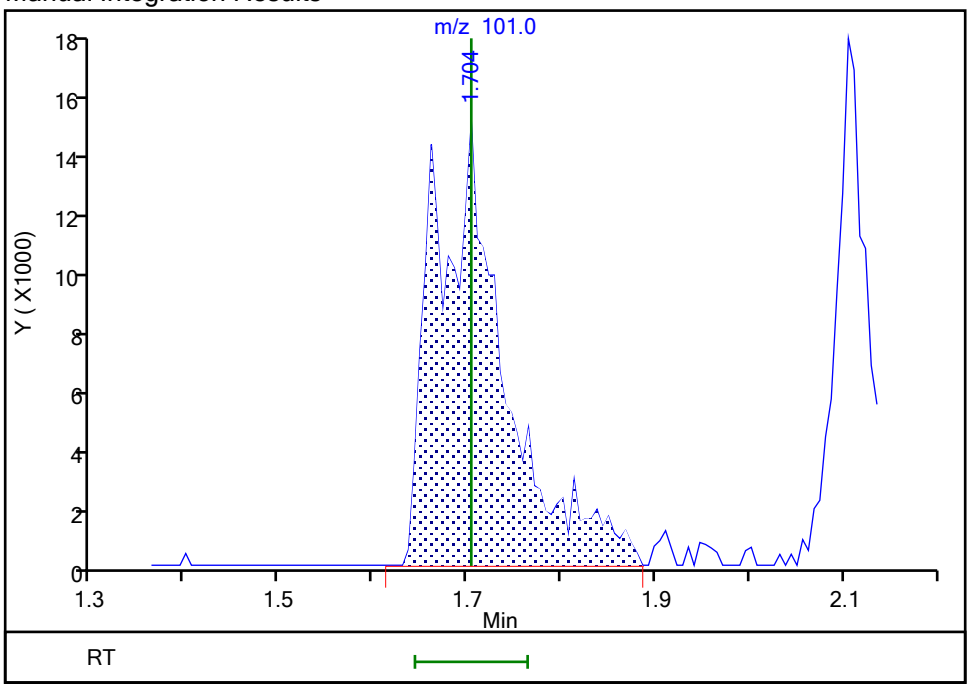
Processing Integration Results

RT: 1.70
Area: 75499
Amount: 4.697850
Amount Units: ug/L



Manual Integration Results

RT: 1.70
Area: 75498
Amount: 4.697795
Amount Units: ug/L



Reviewer: QR3Z, 26-Mar-2024 08:19:24 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

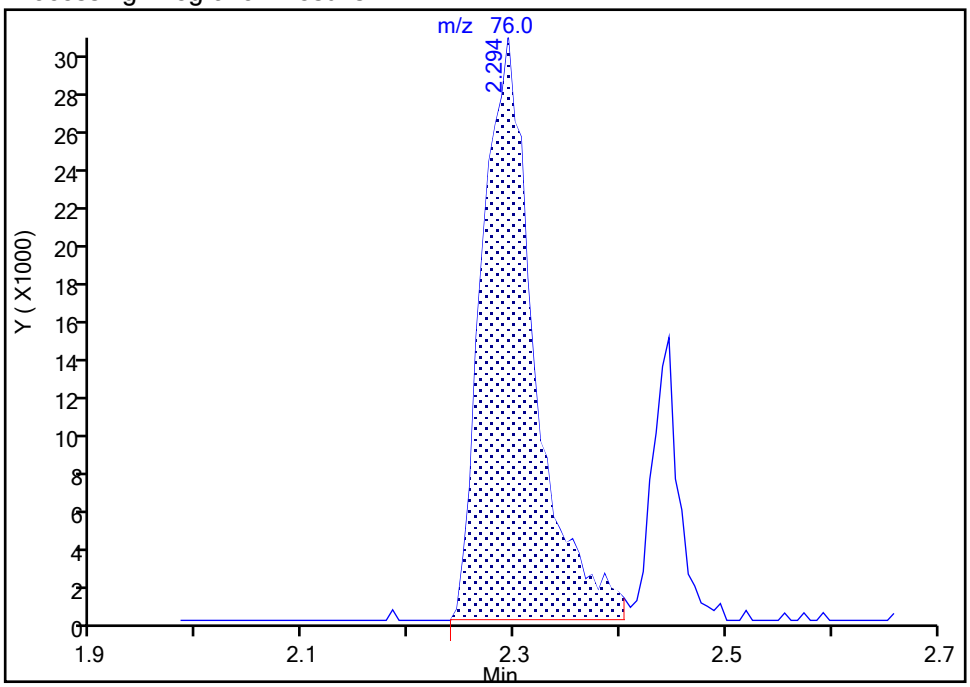
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6725.d
Injection Date: 25-Mar-2024 23:22:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: cdc ALS Bottle#: 5 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

26 Carbon disulfide, CAS: 75-15-0

Signal: 1

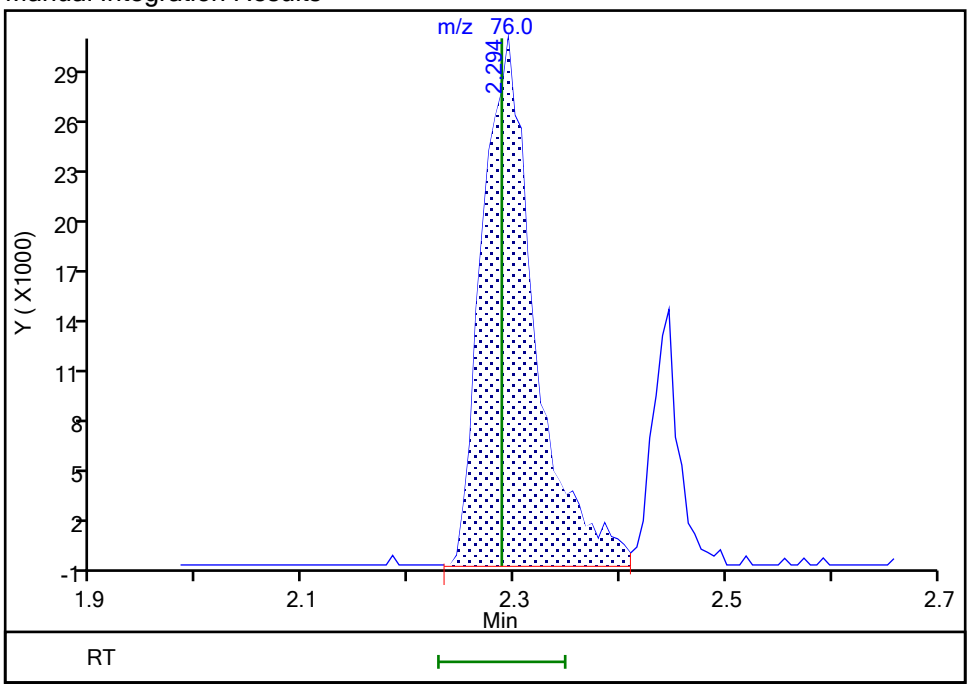
Processing Integration Results

RT: 2.29
Area: 106590
Amount: 4.717965
Amount Units: ug/L



Manual Integration Results

RT: 2.29
Area: 107028
Amount: 4.735057
Amount Units: ug/L



Reviewer: QR3Z, 26-Mar-2024 08:19:44 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

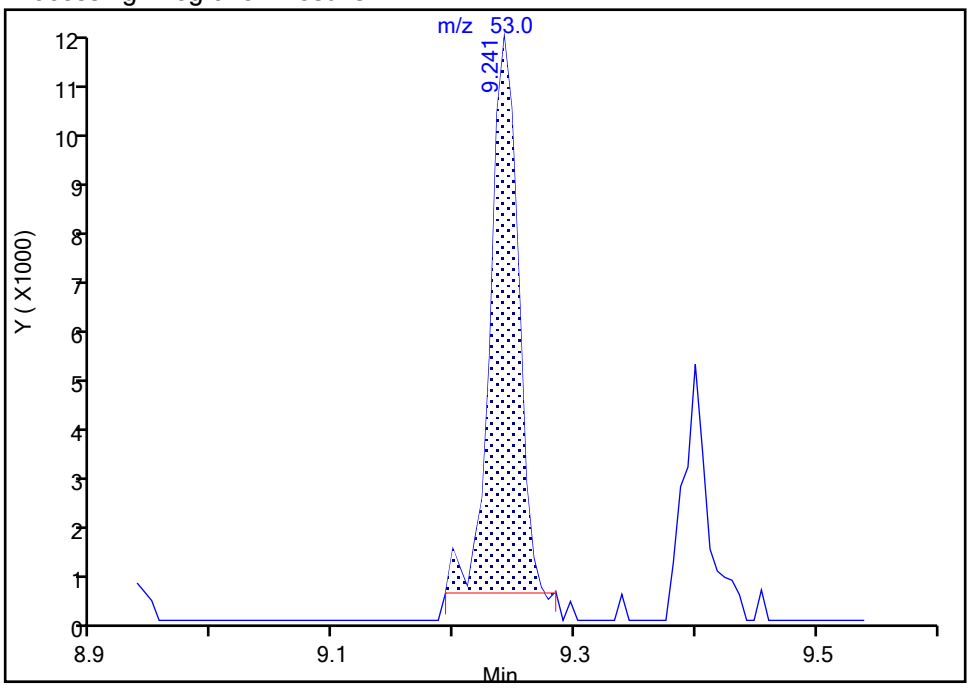
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6725.d
Injection Date: 25-Mar-2024 23:22:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: cdc ALS Bottle#: 5 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

98 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

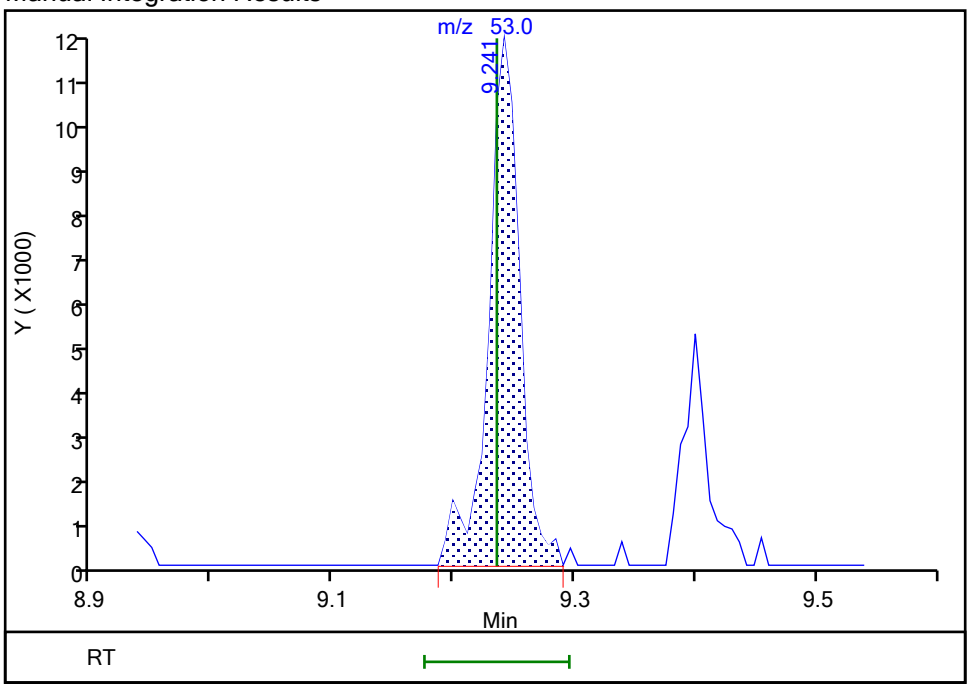
Processing Integration Results

RT: 9.24
Area: 17764
Amount: 4.266849
Amount Units: ug/L



Manual Integration Results

RT: 9.24
Area: 20947
Amount: 4.618657
Amount Units: ug/L



Reviewer: QR3Z, 26-Mar-2024 09:40:50 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6726.d
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 25-Mar-2024 23:45:30 ALS Bottle#: 6 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0116934-011
Operator ID: cdc Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Mar-2024 10:46:22 Calib Date: 26-Mar-2024 05:09:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6740.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: QR3Z Date: 26-Mar-2024 08:16:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.752	4.752	0.000	97	204311	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.702	7.702	0.000	88	406426	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.148	10.154	-0.006	85	418765	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.192	4.192	0.000	57	237238	25.0	25.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.484	4.484	0.000	90	175299	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	6.242	6.242	0.000	84	932735	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr)	174	8.955	8.955	0.000	91	307903	25.0	24.1	
10 Dichlorodifluoromethane	85	1.004	0.998	0.006	83	117059	10.0	10.0	
12 Chloromethane	50	1.144	1.138	0.006	92	123738	10.0	9.89	
13 Vinyl chloride	62	1.211	1.211	0.000	78	108426	10.0	9.77	
151 Butadiene	54	1.223	1.223	0.000	91	130149	10.0	10.0	
14 Bromomethane	94	1.460	1.461	0.000	87	56780	10.0	9.73	
15 Chloroethane	64	1.503	1.503	0.000	92	63556	10.0	10.0	
16 Dichlorofluoromethane	67	1.698	1.698	0.000	80	168750	10.0	10.1	M
17 Trichlorofluoromethane	101	1.704	1.704	0.000	49	151920	10.0	10.0	M
18 Ethyl ether	59	1.911	1.905	0.006	98	89401	10.0	9.86	
20 Acrolein	56	2.069	2.069	0.000	81	20121	50.0	55.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.105	2.111	-0.006	66	85216	10.0	10.7	
22 1,1-Dichloroethene	96	2.111	2.111	0.000	81	64938	10.0	9.62	
23 Acetone	43	2.215	2.209	0.006	97	235462	50.0	49.9	
25 Iodomethane	142	2.270	2.270	0.000	95	119768	10.0	9.68	
26 Carbon disulfide	76	2.288	2.288	0.000	99	215293	10.0	10.1	
28 3-Chloro-1-propene	41	2.440	2.440	0.000	81	165822	10.0	10.1	
27 Methyl acetate	43	2.489	2.489	0.000	99	225068	20.0	19.4	
30 Methylene Chloride	84	2.580	2.580	0.000	88	100237	10.0	10.6	
31 2-Methyl-2-propanol	59	2.756	2.756	0.000	85	144125	100.0	97.3	
32 Methyl tert-butyl ether	73	2.781	2.781	0.000	92	341122	10.0	9.74	
34 trans-1,2-Dichloroethene	96	2.793	2.787	0.006	84	96271	10.0	9.91	
33 Acrylonitrile	53	2.854	2.848	0.006	97	608818	100.0	101.1	
35 Hexane	57	2.975	2.975	0.000	95	177621	10.0	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.188	3.188	0.000	85	192374	10.0	10.1	
37 Vinyl acetate	43	3.255	3.255	0.000	97	469851	20.0	20.1	
44 2,2-Dichloropropane	77	3.687	3.687	0.000	87	102274	10.0	10.4	
45 cis-1,2-Dichloroethene	96	3.730	3.724	0.006	82	106069	10.0	10.3	
43 2-Butanone (MEK)	43	3.772	3.772	0.000	97	390900	50.0	49.6	
48 Chlorobromomethane	128	3.961	3.955	0.006	91	55077	10.0	10.7	
49 Tetrahydrofuran	42	3.967	3.967	0.000	90	102570	20.0	19.6	
50 Chloroform	83	4.040	4.040	0.000	81	183732	10.0	9.91	
52 Cyclohexane	56	4.131	4.131	0.000	95	212021	10.0	10.4	
51 1,1,1-Trichloroethane	97	4.137	4.131	0.006	82	149379	10.0	9.91	
55 Carbon tetrachloride	117	4.265	4.265	0.000	81	123666	10.0	10.0	
54 1,1-Dichloropropene	75	4.283	4.283	0.000	90	149543	10.0	10.1	
57 Benzene	78	4.484	4.484	0.000	92	427511	10.0	9.98	
53 Isobutyl alcohol	43	4.551	4.545	0.006	57	154248	250.0	244.2	
58 1,2-Dichloroethane	62	4.557	4.557	0.000	72	172274	10.0	10.2	
59 n-Heptane	43	4.673	4.673	0.000	92	203807	10.0	10.8	
62 Trichloroethene	95	5.092	5.086	0.006	94	100857	10.0	9.92	
64 Methylcyclohexane	83	5.190	5.196	-0.006	95	188802	10.0	10.0	
65 1,2-Dichloropropane	63	5.323	5.324	-0.001	88	104864	10.0	9.73	
67 Dibromomethane	93	5.457	5.457	0.000	87	64000	10.0	9.93	
66 1,4-Dioxane	88	5.469	5.470	-0.001	57	28277	200.0	205.8	
68 Dichlorobromomethane	83	5.616	5.616	0.000	92	124380	10.0	9.79	
69 2-Chloroethyl vinyl ether	63	5.914	5.914	0.000	93	69331	10.0	10.0	
72 cis-1,3-Dichloropropene	75	6.035	6.029	0.006	88	160825	10.0	10.3	
73 4-Methyl-2-pentanone (MIBK)	43	6.187	6.187	0.000	99	819248	50.0	49.7	
74 Toluene	92	6.303	6.303	0.000	88	254295	10.0	9.84	
77 trans-1,3-Dichloropropene	75	6.601	6.601	0.000	91	139829	10.0	9.77	
75 Ethyl methacrylate	69	6.662	6.662	0.000	72	139352	10.0	10.3	
79 1,1,2-Trichloroethane	83	6.790	6.784	0.006	89	78356	10.0	9.95	
81 Tetrachloroethene	166	6.820	6.826	-0.006	83	117184	10.0	9.81	
82 1,3-Dichloropropane	76	6.936	6.936	0.000	96	168438	10.0	10.0	
80 2-Hexanone	43	7.021	7.021	0.000	98	577216	50.0	50.8	
83 Chlorodibromomethane	129	7.167	7.167	0.000	84	81901	10.0	9.69	
84 Ethylene Dibromide	107	7.258	7.258	0.000	97	93686	10.0	10.1	
87 Chlorobenzene	112	7.733	7.733	0.000	90	272290	10.0	9.66	
88 Ethylbenzene	91	7.830	7.830	0.000	99	481730	10.0	9.79	
89 1,1,1,2-Tetrachloroethane	131	7.836	7.836	0.000	40	88181	10.0	9.76	
90 m-Xylene & p-Xylene	106	7.958	7.952	0.006	97	189275	10.0	10.0	
91 o-Xylene	106	8.371	8.371	0.000	97	192434	10.0	9.94	
92 Styrene	104	8.408	8.408	0.000	86	295708	10.0	9.66	
95 Bromoform	173	8.645	8.645	0.000	93	56375	10.0	9.55	
94 Isopropylbenzene	105	8.755	8.761	-0.006	96	503044	10.0	10.0	
101 Bromobenzene	156	9.095	9.095	0.000	94	126627	10.0	9.75	
97 1,1,2,2-Tetrachloroethane	83	9.193	9.193	0.000	55	128760	10.0	9.50	
99 N-Propylbenzene	91	9.199	9.199	0.000	99	597886	10.0	10.0	
100 1,2,3-Trichloropropane	110	9.217	9.211	0.006	64	45814	10.0	10.2	
98 trans-1,4-Dichloro-2-butene	53	9.241	9.235	0.006	83	40851	10.0	9.49	
103 2-Chlorotoluene	126	9.296	9.296	0.000	94	113640	10.0	9.62	
102 1,3,5-Trimethylbenzene	105	9.399	9.400	-0.001	94	446730	10.0	10.1	
105 4-Chlorotoluene	126	9.424	9.424	0.000	99	117316	10.0	9.76	
106 tert-Butylbenzene	134	9.728	9.728	0.000	90	99369	10.0	10.5	
107 1,2,4-Trimethylbenzene	105	9.789	9.789	0.000	62	452200	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.953	9.953	0.000	94	571445	10.0	10.1	
111 1,3-Dichlorobenzene	146	10.081	10.081	0.000	97	241515	10.0	9.89	
110 4-Isopropyltoluene	119	10.105	10.105	0.000	96	497005	10.0	10.3	
113 1,4-Dichlorobenzene	146	10.172	10.172	0.000	89	252575	10.0	10.0	
115 n-Butylbenzene	91	10.501	10.507	-0.006	96	440746	10.0	10.3	
116 1,2-Dichlorobenzene	146	10.537	10.531	0.006	97	241876	10.0	10.0	
117 1,2-Dibromo-3-Chloropropane	75	11.291	11.292	-0.001	73	27378	10.0	10.3	
119 1,2,4-Trichlorobenzene	180	11.973	11.967	0.006	91	183475	10.0	10.0	
120 Hexachlorobutadiene	225	12.088	12.089	0.000	93	92042	10.0	10.4	
121 Naphthalene	128	12.180	12.180	0.000	97	474031	10.0	10.2	
122 1,2,3-Trichlorobenzene	180	12.387	12.387	0.000	93	174972	10.0	9.93	
S 125 1,2-Dichloroethene, Total	1				0			20.2	
S 123 Total BTEX	1				0			49.6	
S 126 1,3-Dichloropropene, Total	1				0			20.1	
S 124 Xylenes, Total	1				0			20.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00251	Amount Added:	5.00	Units: uL	
GAS CORP mix_00613	Amount Added:	5.00	Units: uL	
S_8260_IS_00383	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00475	Amount Added:	1.00	Units: uL	Run Reagent

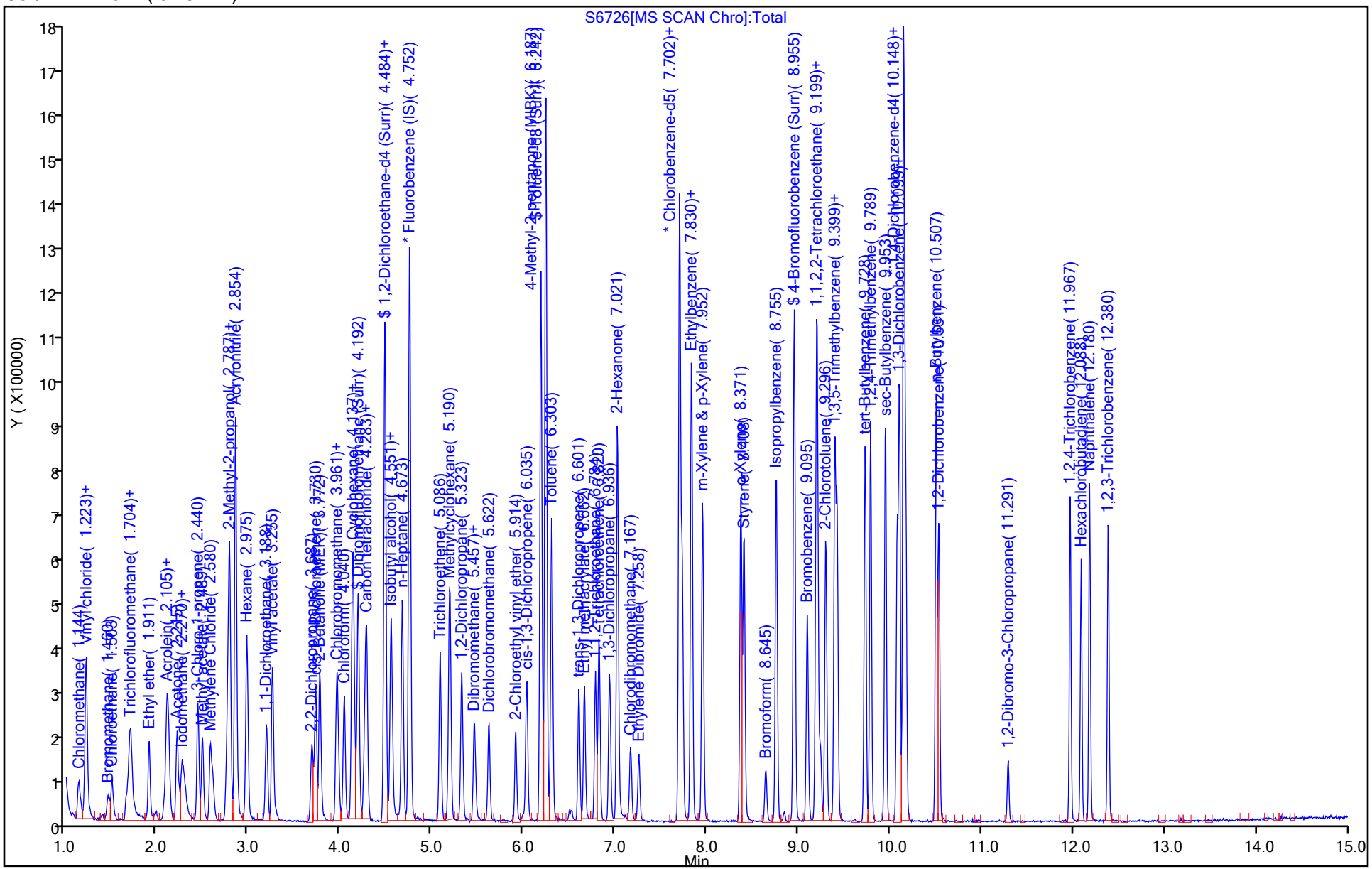
Report Date: 26-Mar-2024 10:46:23 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6726.d

Injection Date:	25-Mar-2024 23:45:30	Instrument ID:	HP5973S	Operator ID:	cdc
Lims ID:	IC 4			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

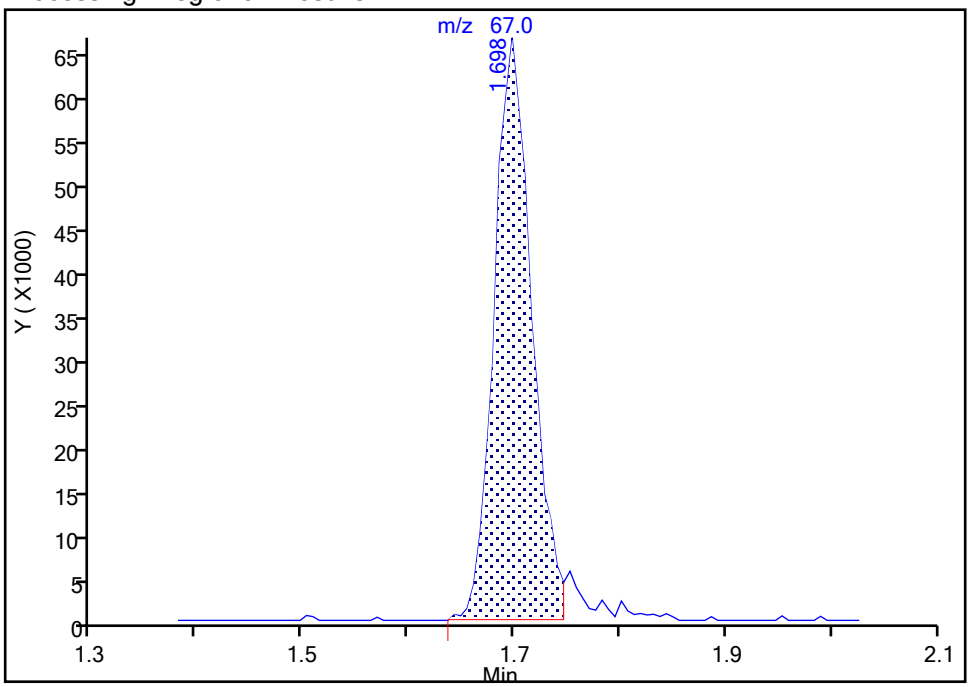
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6726.d
Injection Date: 25-Mar-2024 23:45:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: cdc ALS Bottle#: 6 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

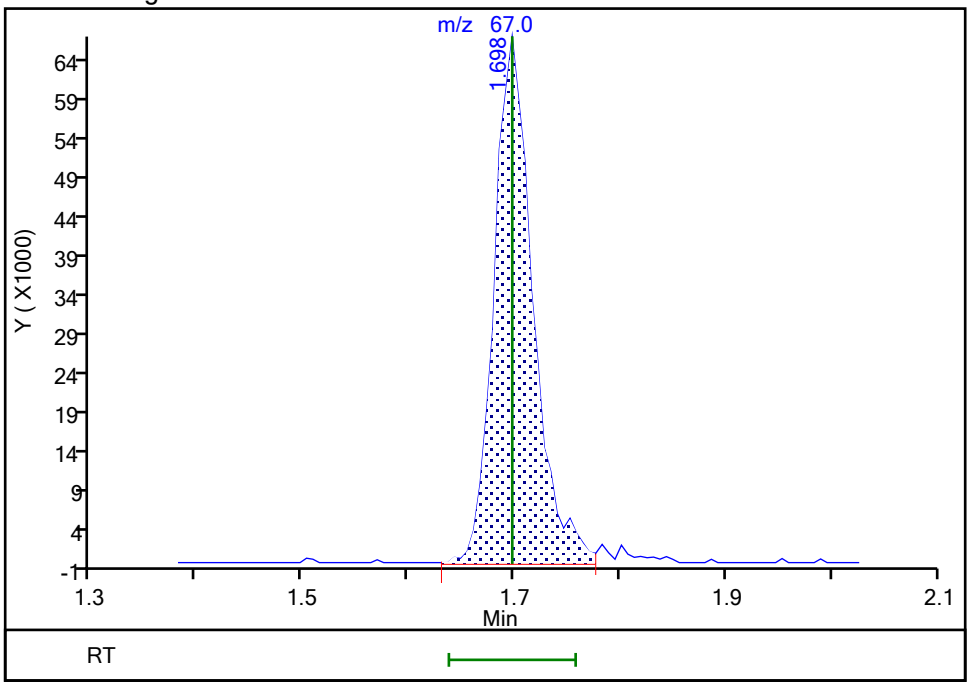
Processing Integration Results

RT: 1.70
Area: 162825
Amount: 10.126811
Amount Units: ug/L



Manual Integration Results

RT: 1.70
Area: 168750
Amount: 10.082282
Amount Units: ug/L



Reviewer: QR3Z, 26-Mar-2024 08:17:51 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

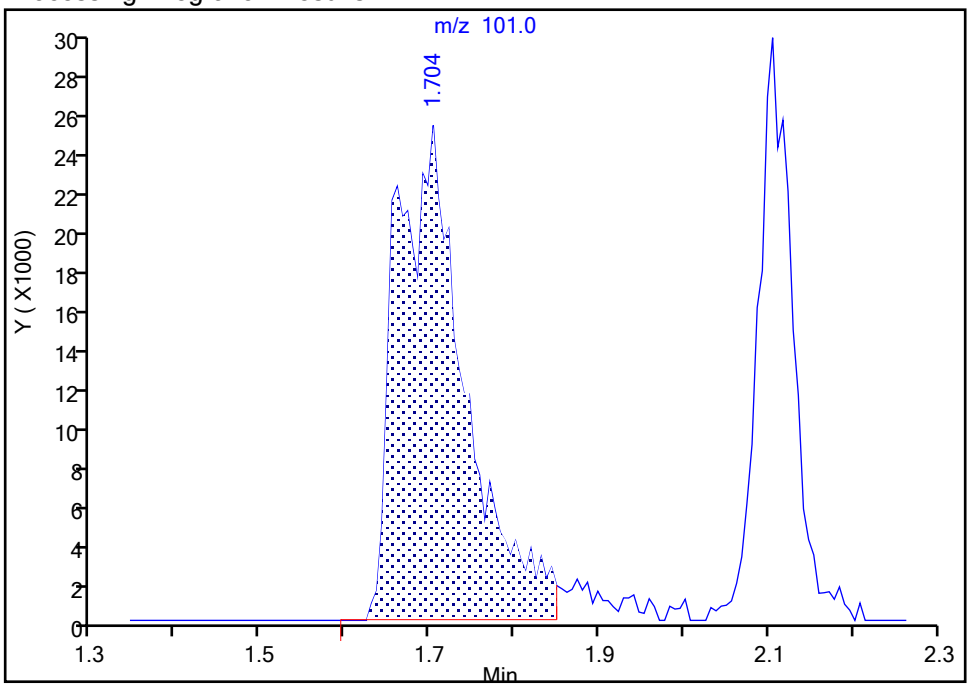
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6726.d
Injection Date: 25-Mar-2024 23:45:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: cdc ALS Bottle#: 6 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

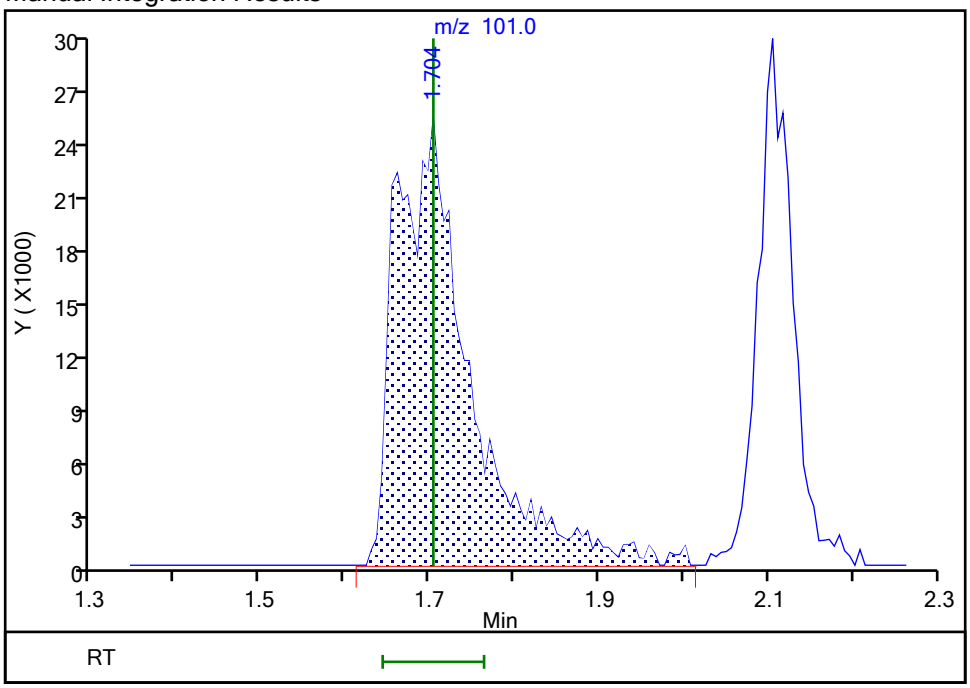
Processing Integration Results

RT: 1.70
Area: 142853
Amount: 9.473370
Amount Units: ug/L



Manual Integration Results

RT: 1.70
Area: 151920
Amount: 9.999512
Amount Units: ug/L



Reviewer: QR3Z, 26-Mar-2024 08:17:05 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6727.d
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 26-Mar-2024 00:08:30 ALS Bottle#: 7 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0116934-012
Operator ID: cdc Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Mar-2024 10:46:41 Calib Date: 26-Mar-2024 05:09:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6740.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: QR3Z Date: 26-Mar-2024 08:14:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.752	4.752	0.000	97	218005	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.702	7.702	0.000	87	424442	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.148	10.148	0.000	57	421361	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.192	4.192	0.000	58	239662	25.0	24.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.484	4.484	0.000	53	175538	25.0	23.6	
$ 5 Toluene-d8 (Surr)	98	6.242	6.242	0.000	65	948769	25.0	24.4	
$ 6 4-Bromofluorobenzene (Surr)	174	8.955	8.955	0.000	93	323369	25.0	24.3	
10 Dichlorodifluoromethane	85	0.998	0.998	0.000	97	312272	25.0	25.0	
12 Chloromethane	50	1.138	1.138	0.000	82	331580	25.0	24.8	
13 Vinyl chloride	62	1.211	1.211	0.000	60	292181	25.0	24.7	
151 Butadiene	54	1.223	1.223	0.000	92	347309	25.0	25.0	
14 Bromomethane	94	1.461	1.461	0.000	88	153681	25.0	24.7	
15 Chloroethane	64	1.503	1.503	0.000	92	166297	25.0	24.5	
16 Dichlorofluoromethane	67	1.698	1.698	0.000	82	445968	25.0	25.0	
17 Trichlorofluoromethane	101	1.704	1.704	0.000	59	408137	25.0	25.2	
18 Ethyl ether	59	1.905	1.905	0.000	96	231898	25.0	24.0	
20 Acrolein	56	2.069	2.069	0.000	91	47090	125.0	122.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.111	2.111	0.000	64	194066	25.0	22.9	
22 1,1-Dichloroethene	96	2.111	2.111	0.000	86	175191	25.0	24.3	
23 Acetone	43	2.209	2.209	0.000	97	583615	125.0	115.9	
25 Iodomethane	142	2.270	2.270	0.000	98	314263	25.0	23.8	
26 Carbon disulfide	76	2.288	2.288	0.000	88	563558	25.0	24.7	
28 3-Chloro-1-propene	41	2.440	2.440	0.000	87	420842	25.0	24.1	
27 Methyl acetate	43	2.489	2.489	0.000	96	582443	50.0	47.1	
30 Methylene Chloride	84	2.580	2.580	0.000	93	230481	25.0	23.4	
31 2-Methyl-2-propanol	59	2.756	2.756	0.000	81	417172	250.0	263.8	
32 Methyl tert-butyl ether	73	2.781	2.781	0.000	93	897795	25.0	24.0	
34 trans-1,2-Dichloroethene	96	2.787	2.787	0.000	76	244385	25.0	23.6	
33 Acrylonitrile	53	2.848	2.848	0.000	99	1564374	250.0	243.5	
35 Hexane	57	2.975	2.975	0.000	96	427845	25.0	23.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.188	3.188	0.000	85	480889	25.0	23.6	
37 Vinyl acetate	43	3.255	3.255	0.000	97	1331208	50.0	53.3	
44 2,2-Dichloropropane	77	3.687	3.687	0.000	92	257646	25.0	24.5	
45 cis-1,2-Dichloroethene	96	3.724	3.724	0.000	70	271185	25.0	24.6	
43 2-Butanone (MEK)	43	3.772	3.772	0.000	99	1032753	125.0	122.8	
48 Chlorobromomethane	128	3.955	3.955	0.000	95	136484	25.0	24.7	
49 Tetrahydrofuran	42	3.967	3.967	0.000	91	272659	50.0	48.9	
50 Chloroform	83	4.040	4.040	0.000	82	467281	25.0	23.6	
52 Cyclohexane	56	4.131	4.131	0.000	94	530213	25.0	24.3	
51 1,1,1-Trichloroethane	97	4.131	4.131	0.000	78	394219	25.0	24.5	
55 Carbon tetrachloride	117	4.265	4.265	0.000	81	327180	25.0	24.9	
54 1,1-Dichloropropene	75	4.283	4.283	0.000	94	392645	25.0	24.9	
57 Benzene	78	4.484	4.484	0.000	96	1080598	25.0	23.6	
53 Isobutyl alcohol	43	4.545	4.545	0.000	70	445812	625.0	661.6	
58 1,2-Dichloroethane	62	4.557	4.557	0.000	76	437563	25.0	24.2	
59 n-Heptane	43	4.673	4.673	0.000	96	500189	25.0	24.9	
62 Trichloroethene	95	5.086	5.086	0.000	94	262917	25.0	24.2	
64 Methylcyclohexane	83	5.196	5.196	0.000	94	484409	25.0	24.1	
65 1,2-Dichloropropane	63	5.324	5.324	0.000	89	274648	25.0	23.9	
67 Dibromomethane	93	5.457	5.457	0.000	89	169041	25.0	24.6	
66 1,4-Dioxane	88	5.470	5.470	0.000	59	68889	500.0	480.2	
68 Dichlorobromomethane	83	5.616	5.616	0.000	91	338608	25.0	25.0	
69 2-Chloroethyl vinyl ether	63	5.914	5.914	0.000	91	197130	25.0	26.7	
72 cis-1,3-Dichloropropene	75	6.029	6.029	0.000	86	420072	25.0	25.3	
73 4-Methyl-2-pentanone (MIBK)	43	6.187	6.187	0.000	99	2139480	125.0	124.4	
74 Toluene	92	6.303	6.303	0.000	92	667162	25.0	24.7	
77 trans-1,3-Dichloropropene	75	6.601	6.601	0.000	98	398377	25.0	26.6	
75 Ethyl methacrylate	69	6.662	6.662	0.000	73	382693	25.0	27.0	
79 1,1,2-Trichloroethane	83	6.784	6.784	0.000	88	196296	25.0	23.9	
81 Tetrachloroethene	166	6.826	6.826	0.000	84	302267	25.0	24.2	
82 1,3-Dichloropropane	76	6.936	6.936	0.000	97	436750	25.0	24.9	
80 2-Hexanone	43	7.021	7.021	0.000	98	1526602	125.0	128.7	
83 Chlorodibromomethane	129	7.167	7.167	0.000	91	227626	25.0	25.8	
84 Ethylene Dibromide	107	7.258	7.258	0.000	99	245845	25.0	25.3	
87 Chlorobenzene	112	7.733	7.733	0.000	91	726163	25.0	24.7	
88 Ethylbenzene	91	7.830	7.830	0.000	99	1265679	25.0	24.6	
89 1,1,1,2-Tetrachloroethane	131	7.836	7.836	0.000	41	242252	25.0	25.7	
90 m-Xylene & p-Xylene	106	7.952	7.952	0.000	98	497625	25.0	25.2	
91 o-Xylene	106	8.371	8.371	0.000	98	492991	25.0	24.4	
92 Styrene	104	8.408	8.408	0.000	89	793111	25.0	24.8	
95 Bromoform	173	8.645	8.645	0.000	97	162047	25.0	26.3	
94 Isopropylbenzene	105	8.761	8.761	0.000	96	1316477	25.0	26.1	
101 Bromobenzene	156	9.095	9.095	0.000	95	334993	25.0	25.6	
97 1,1,2,2-Tetrachloroethane	83	9.193	9.193	0.000	63	347880	25.0	25.5	
99 N-Propylbenzene	91	9.199	9.199	0.000	99	1511166	25.0	25.1	
100 1,2,3-Trichloropropane	110	9.211	9.211	0.000	56	121792	25.0	27.0	
98 trans-1,4-Dichloro-2-butene	53	9.235	9.235	0.000	84	119484	25.0	27.6	
103 2-Chlorotoluene	126	9.296	9.296	0.000	95	293976	25.0	24.7	
102 1,3,5-Trimethylbenzene	105	9.400	9.400	0.000	92	1150128	25.0	25.8	
105 4-Chlorotoluene	126	9.424	9.424	0.000	99	295932	25.0	24.5	
106 tert-Butylbenzene	134	9.728	9.728	0.000	93	246387	25.0	26.0	
107 1,2,4-Trimethylbenzene	105	9.789	9.789	0.000	58	1192217	25.0	26.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.953	9.953	0.000	95	1484470	25.0	26.2	
111 1,3-Dichlorobenzene	146	10.081	10.081	0.000	97	617867	25.0	25.1	
110 4-Isopropyltoluene	119	10.105	10.105	0.000	96	1275454	25.0	26.4	
113 1,4-Dichlorobenzene	146	10.172	10.172	0.000	92	638837	25.0	25.2	
115 n-Butylbenzene	91	10.507	10.507	0.000	97	1117061	25.0	25.9	
116 1,2-Dichlorobenzene	146	10.531	10.531	0.000	95	620089	25.0	25.5	
117 1,2-Dibromo-3-Chloropropane	75	11.292	11.292	0.000	78	71196	25.0	26.7	
119 1,2,4-Trichlorobenzene	180	11.967	11.967	0.000	93	488118	25.0	26.6	
120 Hexachlorobutadiene	225	12.089	12.089	0.000	95	233016	25.0	26.1	
121 Naphthalene	128	12.180	12.180	0.000	98	1286556	25.0	27.4	
122 1,2,3-Trichlorobenzene	180	12.387	12.387	0.000	94	460136	25.0	25.9	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00251	Amount Added: 12.50	Units: uL	
GAS CORP mix_00613	Amount Added: 12.50	Units: uL	
S_8260_IS_00383	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00475	Amount Added: 1.00	Units: uL	Run Reagent

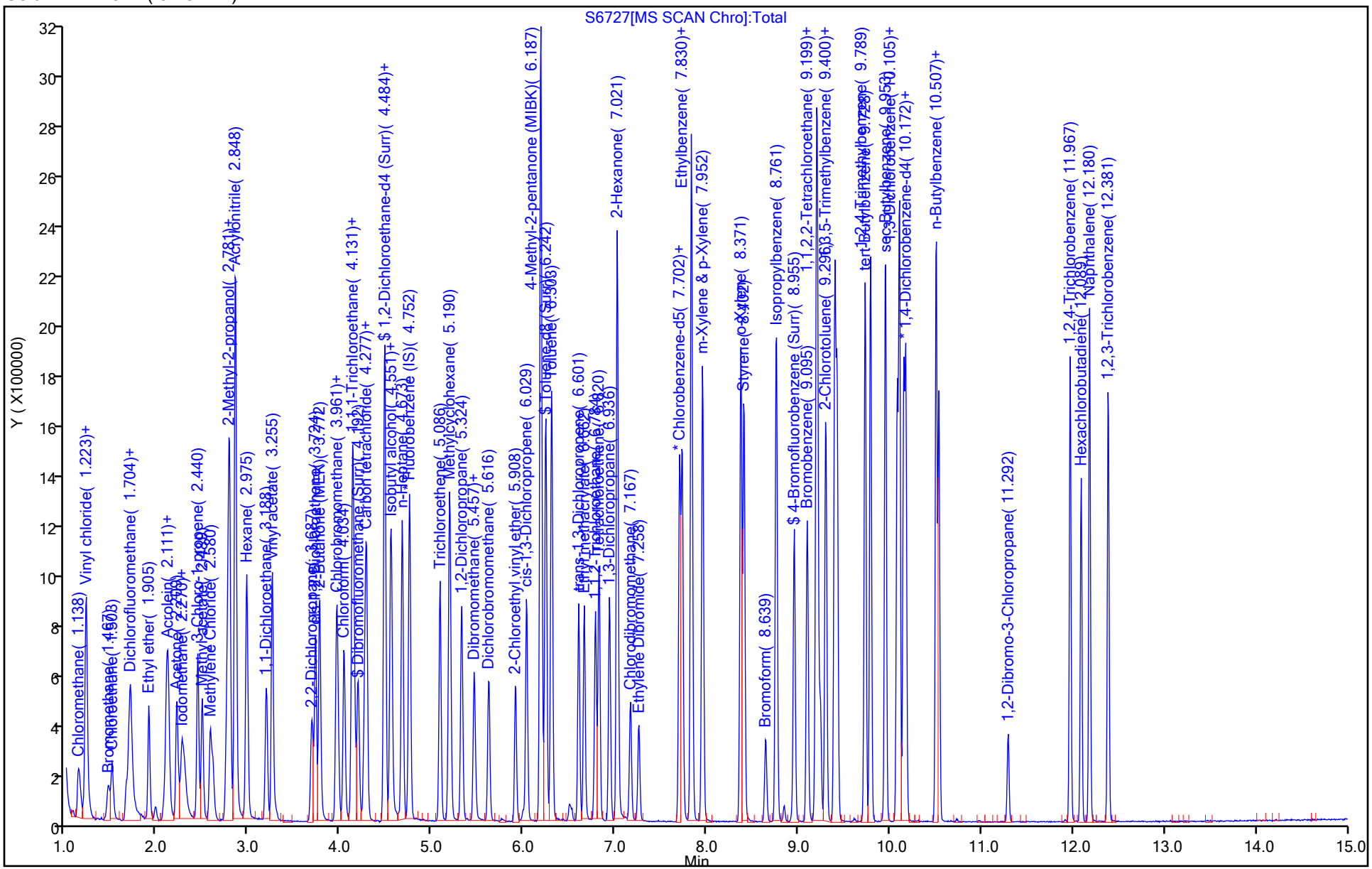
Report Date: 26-Mar-2024 10:46:43 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6727.d

Injection Date:	26-Mar-2024 00:08:30	Instrument ID:	HP5973S	Operator ID:	cdc
Lims ID:	ICIS 5			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6728.d
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 26-Mar-2024 00:31:30 ALS Bottle#: 8 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0116934-013
Operator ID: cdc Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Mar-2024 10:47:00 Calib Date: 26-Mar-2024 05:09:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6740.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: QR3Z Date: 26-Mar-2024 08:44:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.752	4.752	0.000	97	215126	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.702	7.702	0.000	89	424256	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.148	10.148	0.000	66	419947	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.192	4.192	0.000	58	250521	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.484	4.484	0.000	42	186510	25.0	25.4	
$ 5 Toluene-d8 (Surr)	98	6.242	6.242	0.000	46	984269	25.0	25.3	
$ 6 4-Bromofluorobenzene (Surr)	174	8.956	8.955	0.001	92	341900	25.0	25.7	
10 Dichlorodifluoromethane	85	0.998	0.998	0.000	99	636783	50.0	51.7	
12 Chloromethane	50	1.144	1.138	0.006	82	651609	50.0	49.4	
13 Vinyl chloride	62	1.217	1.211	0.006	47	608515	50.0	52.1	
151 Butadiene	54	1.223	1.223	0.000	77	703256	50.0	51.3	
14 Bromomethane	94	1.467	1.461	0.007	93	320409	50.0	52.2	
15 Chloroethane	64	1.503	1.503	0.000	99	334565	50.0	50.0	
16 Dichlorofluoromethane	67	1.698	1.698	0.000	98	911442	50.0	51.7	
17 Trichlorofluoromethane	101	1.704	1.704	0.000	45	823331	50.0	51.5	
18 Ethyl ether	59	1.911	1.905	0.006	95	480653	50.0	50.4	
20 Acrolein	56	2.069	2.069	0.000	92	102306	250.0	269.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.112	2.111	0.001	75	425243	50.0	50.8	
22 1,1-Dichloroethene	96	2.118	2.111	0.007	95	374858	50.0	52.7	
23 Acetone	43	2.215	2.209	0.006	97	1220955	250.0	245.8	
25 Iodomethane	142	2.270	2.270	0.000	97	651138	50.0	50.0	
26 Carbon disulfide	76	2.294	2.288	0.006	88	1197748	50.0	53.2	
28 3-Chloro-1-propene	41	2.440	2.440	0.000	86	912107	50.0	52.9	
27 Methyl acetate	43	2.489	2.489	0.000	99	1181451	100.0	96.9	
30 Methylene Chloride	84	2.580	2.580	0.000	93	525191	50.0	54.7	
31 2-Methyl-2-propanol	59	2.756	2.756	0.000	85	848057	500.0	543.5	
32 Methyl tert-butyl ether	73	2.781	2.781	0.000	93	1882355	50.0	51.1	
34 trans-1,2-Dichloroethene	96	2.787	2.787	0.000	70	512327	50.0	50.1	
33 Acrylonitrile	53	2.854	2.848	0.006	99	3302262	500.0	520.9	
35 Hexane	57	2.975	2.975	0.000	96	897361	50.0	50.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.188	3.188	0.000	85	999802	50.0	49.8	
37 Vinyl acetate	43	3.255	3.255	0.000	97	2982618	100.0	121.0	
44 2,2-Dichloropropane	77	3.687	3.687	0.000	92	554486	50.0	53.5	
45 cis-1,2-Dichloroethene	96	3.730	3.724	0.006	81	570051	50.0	52.4	
43 2-Butanone (MEK)	43	3.772	3.772	0.000	97	2159547	250.0	260.2	
48 Chlorobromomethane	128	3.955	3.955	0.000	91	283422	50.0	52.1	
49 Tetrahydrofuran	42	3.967	3.967	0.000	90	583429	100.0	106.1	
50 Chloroform	83	4.040	4.040	0.000	81	1000523	50.0	51.2	
52 Cyclohexane	56	4.131	4.131	0.000	95	1100960	50.0	51.2	
51 1,1,1-Trichloroethane	97	4.131	4.131	0.000	80	851757	50.0	53.6	
55 Carbon tetrachloride	117	4.265	4.265	0.000	88	746526	50.0	57.5	
54 1,1-Dichloropropene	75	4.283	4.283	0.000	93	816135	50.0	52.5	
57 Benzene	78	4.484	4.484	0.000	98	2303030	50.0	51.1	
53 Isobutyl alcohol	43	4.545	4.545	0.000	60	1030680	1250.0	1550.0	
58 1,2-Dichloroethane	62	4.557	4.557	0.000	82	914299	50.0	51.3	
59 n-Heptane	43	4.673	4.673	0.000	96	1015339	50.0	51.3	
62 Trichloroethene	95	5.086	5.086	0.000	93	565479	50.0	52.8	
64 Methylcyclohexane	83	5.190	5.196	-0.006	96	1028546	50.0	51.7	
65 1,2-Dichloropropane	63	5.324	5.324	0.000	91	564861	50.0	49.8	
67 Dibromomethane	93	5.458	5.457	0.001	87	351843	50.0	51.8	
66 1,4-Dioxane	88	5.470	5.470	0.000	59	136850	1000.0	954.3	
68 Dichlorobromomethane	83	5.616	5.616	0.000	98	744126	50.0	55.6	
69 2-Chloroethyl vinyl ether	63	5.908	5.914	-0.006	93	416858	50.0	57.3	
72 cis-1,3-Dichloropropene	75	6.029	6.029	0.000	88	936239	50.0	57.1	
73 4-Methyl-2-pentanone (MIBK)	43	6.188	6.187	0.001	98	4550978	250.0	264.7	
74 Toluene	92	6.303	6.303	0.000	94	1409029	50.0	52.2	
77 trans-1,3-Dichloropropene	75	6.601	6.601	0.000	97	883520	50.0	59.1	
75 Ethyl methacrylate	69	6.662	6.662	0.000	74	819108	50.0	57.9	
79 1,1,2-Trichloroethane	83	6.784	6.784	0.000	89	423242	50.0	51.5	
81 Tetrachloroethene	166	6.826	6.826	0.000	89	631050	50.0	50.6	
82 1,3-Dichloropropane	76	6.936	6.936	0.000	97	916076	50.0	52.3	
80 2-Hexanone	43	7.021	7.021	0.000	98	3205934	250.0	270.5	
83 Chlorodibromomethane	129	7.167	7.167	0.000	88	532303	50.0	60.3	
84 Ethylene Dibromide	107	7.258	7.258	0.000	95	538296	50.0	55.4	
87 Chlorobenzene	112	7.733	7.733	0.000	92	1553679	50.0	52.8	
88 Ethylbenzene	91	7.830	7.830	0.000	99	2699384	50.0	52.6	
89 1,1,1,2-Tetrachloroethane	131	7.836	7.836	0.000	41	537336	50.0	57.0	
90 m-Xylene & p-Xylene	106	7.952	7.952	0.000	98	1062224	50.0	53.9	
91 o-Xylene	106	8.372	8.371	0.001	98	1061669	50.0	52.5	
92 Styrene	104	8.408	8.408	0.000	89	1703804	50.0	53.3	
95 Bromoform	173	8.639	8.645	-0.006	96	377154	50.0	61.2	
94 Isopropylbenzene	105	8.761	8.761	0.000	96	2791360	50.0	55.6	
101 Bromobenzene	156	9.095	9.095	0.000	95	688498	50.0	52.9	
97 1,1,2,2-Tetrachloroethane	83	9.193	9.193	0.000	55	714230	50.0	52.6	
99 N-Propylbenzene	91	9.205	9.199	0.006	98	3232802	50.0	53.9	
100 1,2,3-Trichloropropane	110	9.211	9.211	0.000	56	246844	50.0	54.8	
98 trans-1,4-Dichloro-2-butene	53	9.241	9.235	0.006	92	263950	50.0	61.1	
103 2-Chlorotoluene	126	9.302	9.296	0.006	96	615261	50.0	51.9	
102 1,3,5-Trimethylbenzene	105	9.400	9.400	0.000	92	2430159	50.0	54.7	
105 4-Chlorotoluene	126	9.424	9.424	0.000	99	619369	50.0	51.4	
106 tert-Butylbenzene	134	9.728	9.728	0.000	92	534081	50.0	56.5	
107 1,2,4-Trimethylbenzene	105	9.789	9.789	0.000	62	2502398	50.0	56.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.953	9.953	0.000	94	3095040	50.0	54.7	
111 1,3-Dichlorobenzene	146	10.081	10.081	0.000	98	1289560	50.0	52.7	
110 4-Isopropyltoluene	119	10.105	10.105	0.000	97	2695380	50.0	55.9	
113 1,4-Dichlorobenzene	146	10.172	10.172	0.000	91	1302766	50.0	51.6	
115 n-Butylbenzene	91	10.507	10.507	0.000	95	2372093	50.0	55.2	
116 1,2-Dichlorobenzene	146	10.531	10.531	0.000	95	1273280	50.0	52.5	
117 1,2-Dibromo-3-Chloropropane	75	11.292	11.292	0.000	83	165364	50.0	62.3	
119 1,2,4-Trichlorobenzene	180	11.967	11.967	0.000	93	1005052	50.0	54.9	
120 Hexachlorobutadiene	225	12.089	12.089	0.001	94	492781	50.0	55.3	
121 Naphthalene	128	12.180	12.180	0.000	97	2782658	50.0	59.4	
122 1,2,3-Trichlorobenzene	180	12.381	12.387	-0.006	92	974886	50.0	55.2	
S 125 1,2-Dichloroethene, Total	1				0			102.4	
S 123 Total BTEX	1				0			262.3	
S 126 1,3-Dichloropropene, Total	1				0			116.2	
S 124 Xylenes, Total	1				0			106.4	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00251	Amount Added:	25.00	Units: uL	
GAS CORP mix_00613	Amount Added:	25.00	Units: uL	
S_8260_IS_00383	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00475	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 26-Mar-2024 10:47:01 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6728.d

Injection Date: 26-Mar-2024 00:31:30 Instrument ID: HP5973S Operator ID: cdc

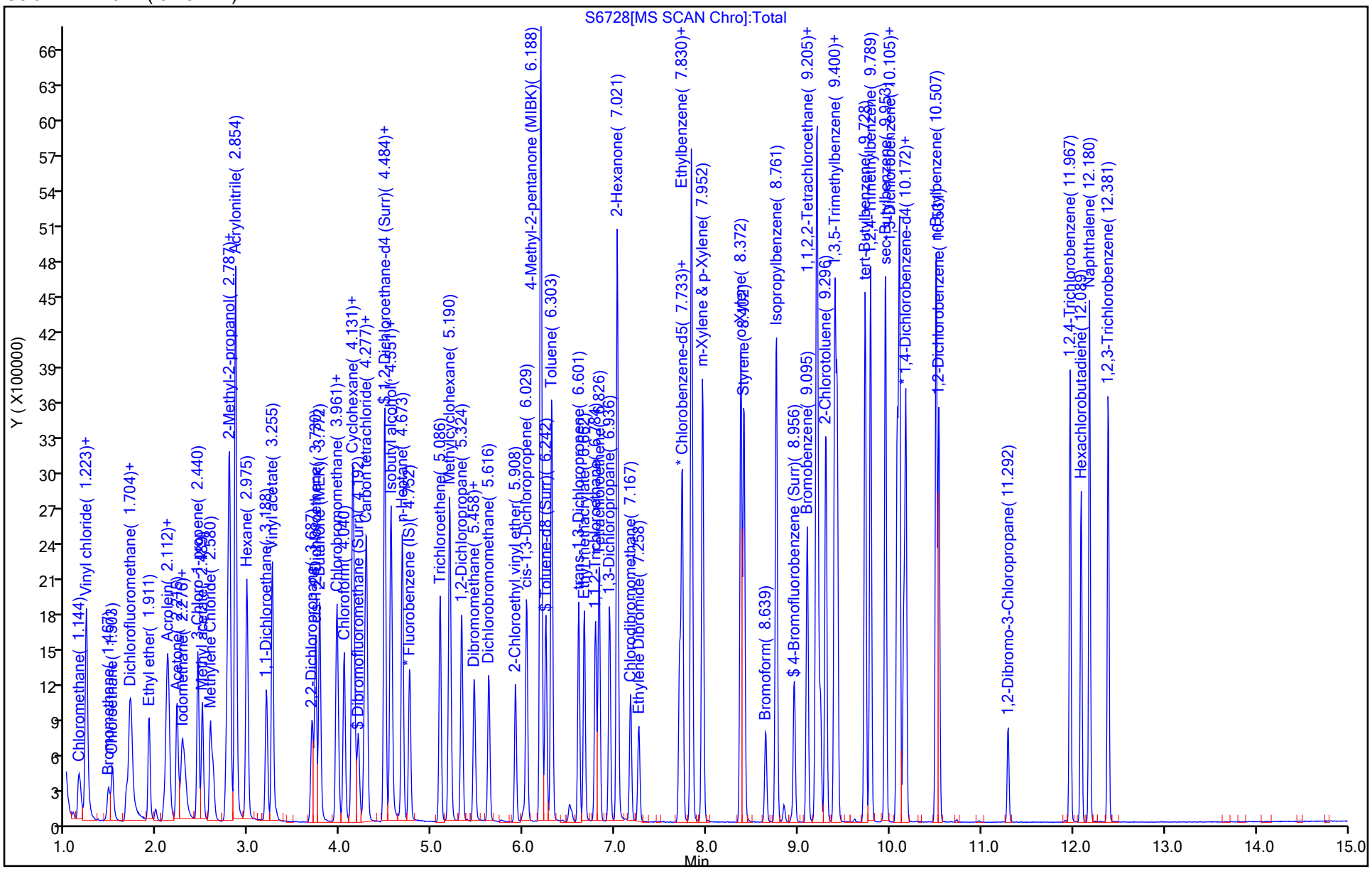
Lims ID: IC 6 Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 8

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6729.d
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 26-Mar-2024 00:54:30 ALS Bottle#: 9 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0116934-014
Operator ID: cdc Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Mar-2024 10:47:17 Calib Date: 26-Mar-2024 05:09:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6740.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: QR3Z Date: 26-Mar-2024 08:45:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.752	4.752	0.000	98	220130	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.702	7.702	0.000	89	445128	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.148	10.148	0.000	46	456010	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.192	4.192	0.000	56	257373	25.0	25.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.484	4.484	0.000	42	186250	25.0	24.8	
$ 5 Toluene-d8 (Surr)	98	6.242	6.242	0.000	25	1037136	25.0	25.4	a
$ 6 4-Bromofluorobenzene (Surr)	174	8.955	8.955	0.000	92	360113	25.0	25.8	
10 Dichlorodifluoromethane	85	0.998	0.998	0.000	87	1241448	100.0	98.5	
12 Chloromethane	50	1.138	1.138	0.000	82	1322068	100.0	98.0	
13 Vinyl chloride	62	1.211	1.211	0.000	71	1203472	100.0	100.6	
151 Butadiene	54	1.223	1.223	0.000	92	1399064	100.0	99.7	
14 Bromomethane	94	1.460	1.461	0.000	92	647079	100.0	103.0	
15 Chloroethane	64	1.503	1.503	0.000	99	660606	100.0	96.5	
16 Dichlorofluoromethane	67	1.698	1.698	0.000	82	1880603	100.0	104.3	
17 Trichlorofluoromethane	101	1.704	1.704	0.000	48	1682831	100.0	102.8	
18 Ethyl ether	59	1.905	1.905	0.000	96	941558	100.0	96.4	
20 Acrolein	56	2.069	2.069	0.000	93	203028	500.0	522.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.111	2.111	0.000	63	841763	100.0	98.4	
22 1,1-Dichloroethene	96	2.111	2.111	0.000	84	733210	100.0	100.8	
23 Acetone	43	2.209	2.209	0.000	97	2351606	500.0	462.6	
25 Iodomethane	142	2.263	2.270	-0.007	98	1314664	100.0	98.6	
26 Carbon disulfide	76	2.288	2.288	0.000	88	2446984	100.0	106.3	
28 3-Chloro-1-propene	41	2.440	2.440	0.000	86	1772001	100.0	100.5	
27 Methyl acetate	43	2.489	2.489	0.000	96	2325205	200.0	186.3	
30 Methylene Chloride	84	2.580	2.580	0.000	98	940604	100.0	96.0	
31 2-Methyl-2-propanol	59	2.756	2.756	0.000	85	1717808	1000.0	1075.9	
32 Methyl tert-butyl ether	73	2.775	2.781	-0.007	99	3766692	100.0	99.8	
34 trans-1,2-Dichloroethene	96	2.787	2.787	0.000	70	1017550	100.0	97.2	
33 Acrylonitrile	53	2.854	2.848	0.006	99	6555385	1000.0	1010.6	
35 Hexane	57	2.975	2.975	0.000	95	1763984	100.0	96.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.188	3.188	0.000	86	1977465	100.0	96.3	
37 Vinyl acetate	43	3.255	3.255	0.000	96	6234899	200.0	247.2	
44 2,2-Dichloropropane	77	3.687	3.687	0.000	94	1051449	100.0	99.2	
45 cis-1,2-Dichloroethene	96	3.730	3.724	0.006	81	1135687	100.0	102.0	
43 2-Butanone (MEK)	43	3.772	3.772	0.000	99	4323233	500.0	509.0	
48 Chlorobromomethane	128	3.955	3.955	0.000	91	569276	100.0	102.2	
49 Tetrahydrofuran	42	3.967	3.967	0.000	91	1148528	200.0	204.0	
50 Chloroform	83	4.040	4.040	0.000	81	1981649	100.0	99.2	
52 Cyclohexane	56	4.131	4.131	0.000	94	2192022	100.0	99.6	
51 1,1,1-Trichloroethane	97	4.137	4.131	0.006	83	1698091	100.0	104.5	
55 Carbon tetrachloride	117	4.265	4.265	0.000	90	1535349	100.0	115.6	
54 1,1-Dichloropropene	75	4.283	4.283	0.000	91	1605571	100.0	100.9	
57 Benzene	78	4.484	4.484	0.000	97	4586606	100.0	99.4	
53 Isobutyl alcohol	43	4.545	4.545	0.000	74	2140444	2500.0	3145.8	
58 1,2-Dichloroethane	62	4.557	4.557	0.000	76	1829373	100.0	100.4	
59 n-Heptane	43	4.673	4.673	0.000	96	2027923	100.0	100.2	
62 Trichloroethene	95	5.086	5.086	0.000	90	1112820	100.0	101.6	
64 Methylcyclohexane	83	5.190	5.196	-0.006	96	2051258	100.0	100.9	
65 1,2-Dichloropropane	63	5.324	5.324	0.000	89	1152661	100.0	99.3	
67 Dibromomethane	93	5.457	5.457	0.000	90	700532	100.0	100.8	
66 1,4-Dioxane	88	5.476	5.470	0.006	85	293113	2000.0	1948.1	M
68 Dichlorobromomethane	83	5.616	5.616	0.000	92	1531022	100.0	111.8	
69 2-Chloroethyl vinyl ether	63	5.908	5.914	-0.006	93	865961	100.0	116.3	
72 cis-1,3-Dichloropropene	75	6.029	6.029	0.000	86	1939981	100.0	115.6	
73 4-Methyl-2-pentanone (MIBK)	43	6.187	6.187	0.000	99	9107959	500.0	504.9	
74 Toluene	92	6.303	6.303	0.000	97	2854934	100.0	100.8	
77 trans-1,3-Dichloropropene	75	6.601	6.601	0.000	93	1862572	100.0	118.8	
75 Ethyl methacrylate	69	6.662	6.662	0.000	73	1726290	100.0	116.3	
79 1,1,2-Trichloroethane	83	6.784	6.784	0.000	95	869495	100.0	100.8	
81 Tetrachloroethene	166	6.826	6.826	0.000	85	1268382	100.0	96.9	
82 1,3-Dichloropropane	76	6.936	6.936	0.000	96	1897859	100.0	103.3	
80 2-Hexanone	43	7.021	7.021	0.000	99	6378712	500.0	512.9	
83 Chlorodibromomethane	129	7.167	7.167	0.000	88	1126729	100.0	121.7	
84 Ethylene Dibromide	107	7.258	7.258	0.000	98	1095369	100.0	107.4	
87 Chlorobenzene	112	7.733	7.733	0.000	92	3162688	100.0	102.4	
88 Ethylbenzene	91	7.830	7.830	0.000	99	5558616	100.0	103.2	
89 1,1,1,2-Tetrachloroethane	131	7.836	7.836	0.000	45	1111096	100.0	112.3	
90 m-Xylene & p-Xylene	106	7.952	7.952	0.000	98	2157388	100.0	104.3	
91 o-Xylene	106	8.371	8.371	0.000	98	2157400	100.0	101.7	
92 Styrene	104	8.408	8.408	0.000	90	3513581	100.0	104.8	
95 Bromoform	173	8.645	8.645	0.000	98	825694	100.0	127.7	
94 Isopropylbenzene	105	8.761	8.761	0.000	96	5764022	100.0	105.7	
101 Bromobenzene	156	9.095	9.095	0.000	95	1421119	100.0	100.5	
97 1,1,2,2-Tetrachloroethane	83	9.193	9.193	0.000	63	1472859	100.0	99.8	
99 N-Propylbenzene	91	9.205	9.199	0.006	98	6718633	100.0	103.2	
100 1,2,3-Trichloropropane	110	9.211	9.211	0.000	56	506551	100.0	103.6	
98 trans-1,4-Dichloro-2-butene	53	9.241	9.235	0.006	95	557146	100.0	118.8	
103 2-Chlorotoluene	126	9.302	9.296	0.006	93	1248522	100.0	97.1	
102 1,3,5-Trimethylbenzene	105	9.400	9.400	0.000	93	5022081	100.0	104.0	
105 4-Chlorotoluene	126	9.424	9.424	0.000	99	1290495	100.0	98.6	
106 tert-Butylbenzene	134	9.728	9.728	0.000	91	1076507	100.0	105.0	
107 1,2,4-Trimethylbenzene	105	9.789	9.789	0.000	57	5159663	100.0	106.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.953	9.953	0.000	94	6399489	100.0	104.2	
111 1,3-Dichlorobenzene	146	10.081	10.081	0.000	97	2628255	100.0	98.8	
110 4-Isopropyltoluene	119	10.105	10.105	0.000	97	5508857	100.0	105.3	
113 1,4-Dichlorobenzene	146	10.172	10.172	0.000	91	2678117	100.0	97.7	
115 n-Butylbenzene	91	10.507	10.507	0.000	95	4815634	100.0	103.2	
116 1,2-Dichlorobenzene	146	10.537	10.531	0.006	96	2599950	100.0	98.7	
117 1,2-Dibromo-3-Chloropropane	75	11.292	11.292	0.000	82	353035	100.0	122.5	
119 1,2,4-Trichlorobenzene	180	11.967	11.967	0.000	93	2121431	100.0	106.7	
120 Hexachlorobutadiene	225	12.088	12.089	0.000	96	792580	100.0	81.9	
121 Naphthalene	128	12.180	12.180	0.000	97	5935797	100.0	116.7	
122 1,2,3-Trichlorobenzene	180	12.387	12.387	0.000	94	2093693	100.0	109.1	
S 125 1,2-Dichloroethene, Total	1				0			199.1	
S 123 Total BTEX	1				0			509.5	
S 126 1,3-Dichloropropene, Total	1				0			234.4	
S 124 Xylenes, Total	1				0			206.1	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8260 CORP mix_00251	Amount Added:	50.00	Units: uL	
GAS CORP mix_00613	Amount Added:	50.00	Units: uL	
S_8260_IS_00383	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00475	Amount Added:	1.00	Units: uL	Run Reagent

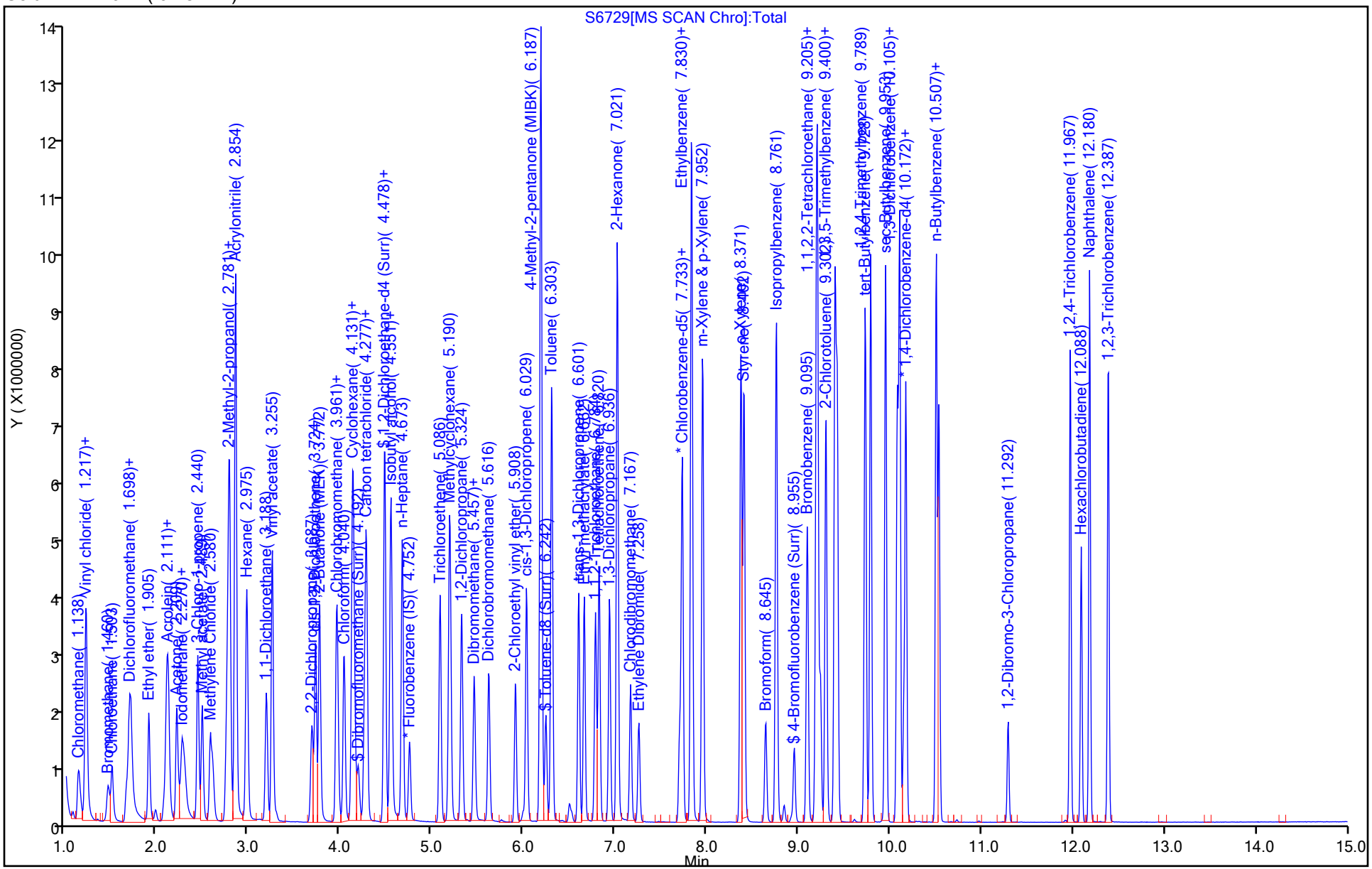
Report Date: 26-Mar-2024 10:47:19 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6729.d

Injection Date:	26-Mar-2024 00:54:30	Instrument ID:	HP5973S	Operator ID:	cdc
Lims ID:	IC 7			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

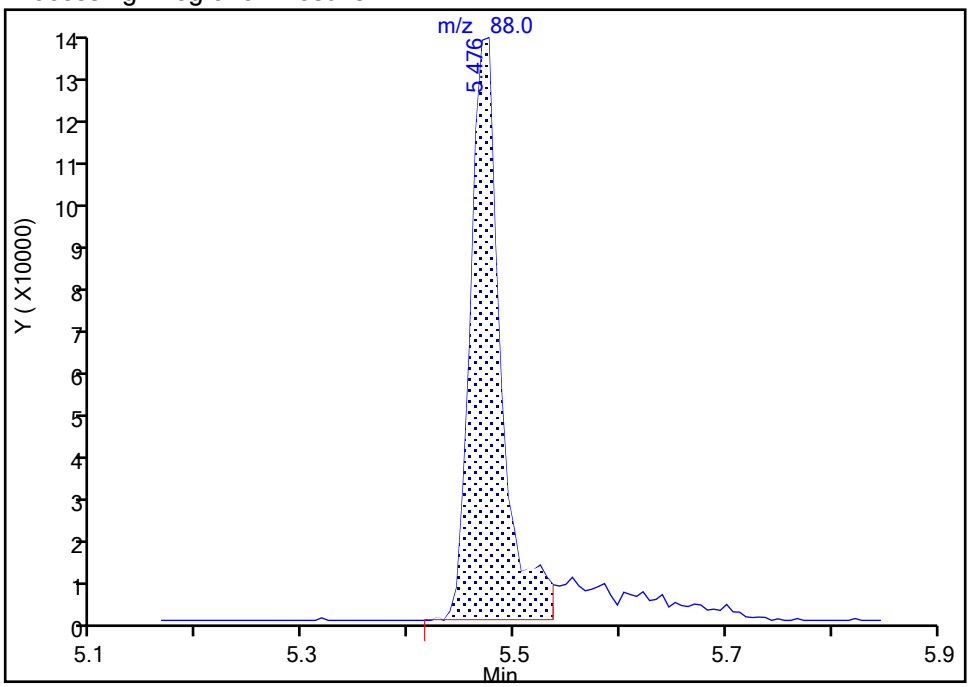
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6729.d
Injection Date: 26-Mar-2024 00:54:30 Instrument ID: HP5973S
Lims ID: IC 7
Client ID:
Operator ID: cdc ALS Bottle#: 9 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

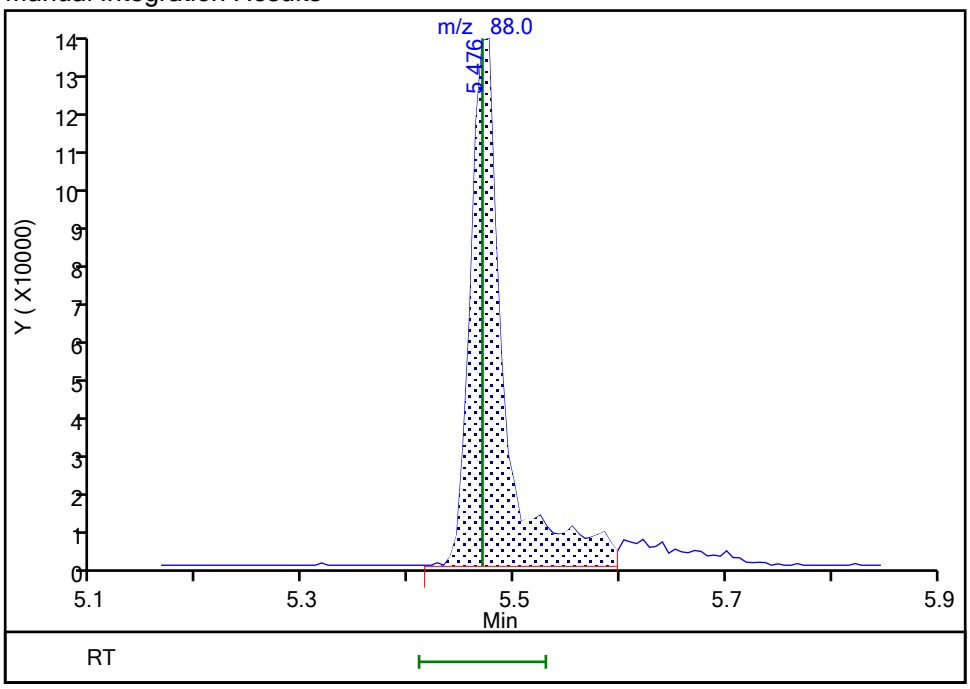
Processing Integration Results

RT: 5.48
Area: 266718
Amount: 1864.4616
Amount Units: ug/L



Manual Integration Results

RT: 5.48
Area: 293113
Amount: 1948.0792
Amount Units: ug/L



Reviewer: QR3Z, 26-Mar-2024 08:51:05 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

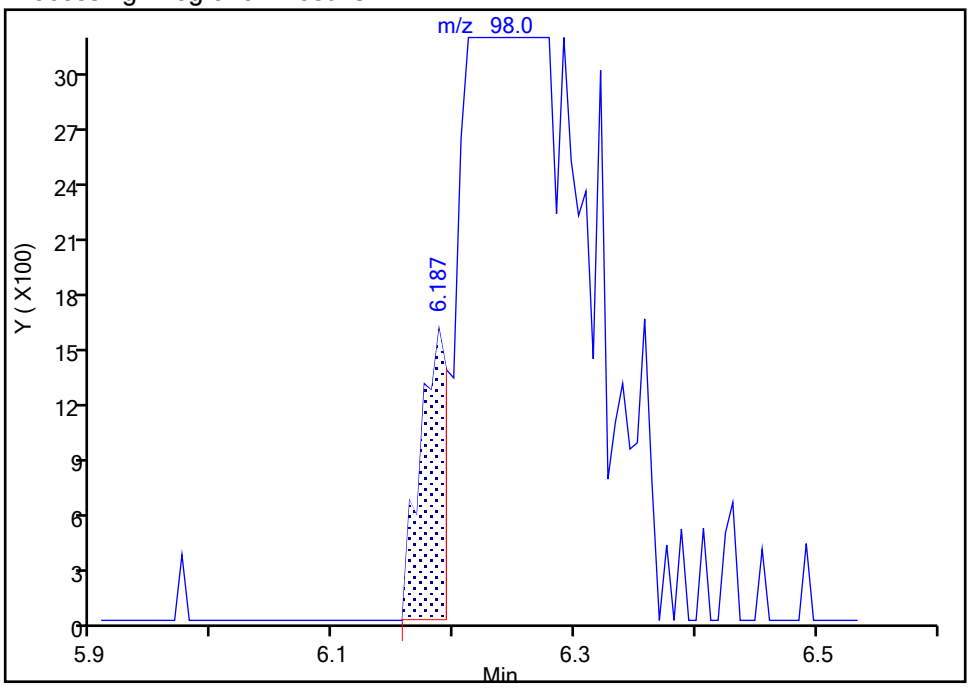
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6729.d
Injection Date: 26-Mar-2024 00:54:30 Instrument ID: HP5973S
Lims ID: IC 7
Client ID:
Operator ID: cdc ALS Bottle#: 9 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

$ 5 Toluene-d8 (Surr), CAS: 2037-26-5

Signal: 1

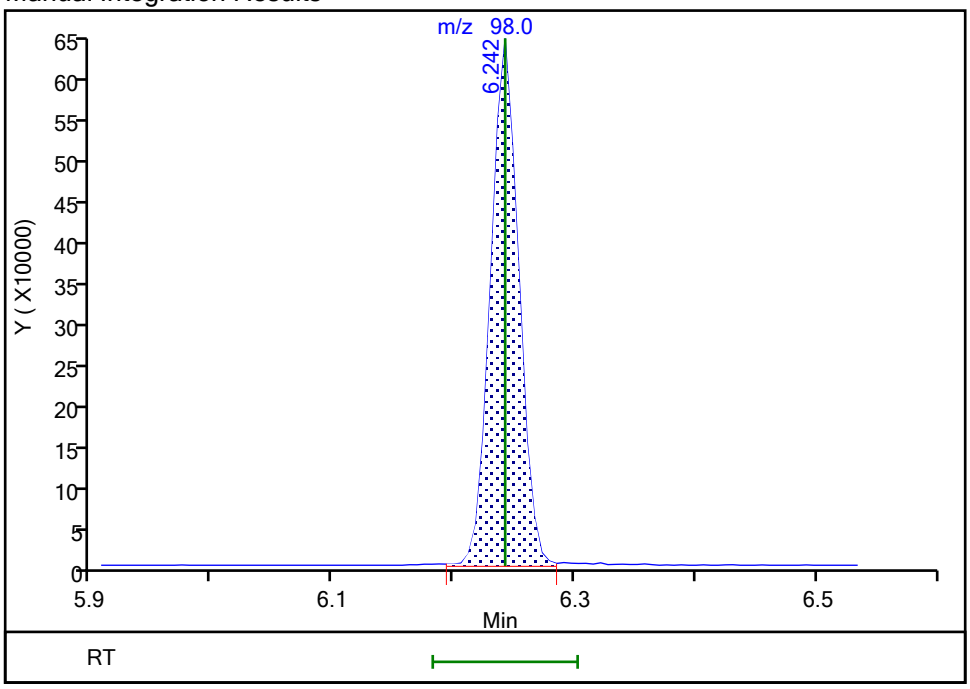
Processing Integration Results

RT: 6.19
Area: 2434
Amount: 0.068213
Amount Units: ug/L



Manual Integration Results

RT: 6.24
Area: 1037136
Amount: 25.385212
Amount Units: ug/L



Reviewer: QR3Z, 26-Mar-2024 08:45:05 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Calibration / Dichlorodifluoromethane

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

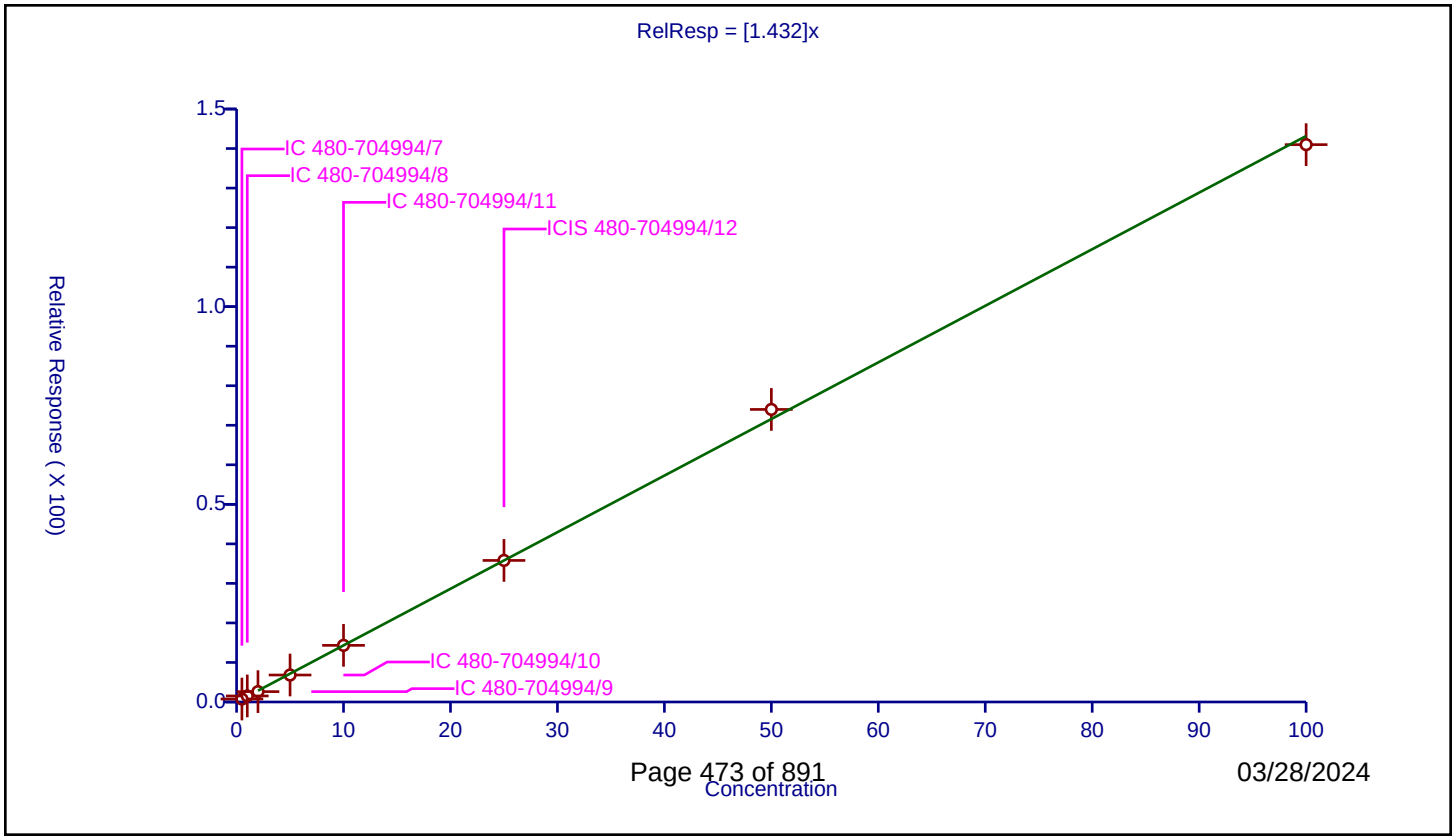
Curve Coefficients

Intercept:	0
Slope:	1.432

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.748837	25.0	211261.0	1.497673	Y
2	IC 480-704994/8	1.0	1.52565	25.0	197211.0	1.52565	Y
3	IC 480-704994/9	2.0	2.622509	25.0	218474.0	1.311254	Y
4	IC 480-704994/10	5.0	6.820832	25.0	216121.0	1.364166	Y
5	IC 480-704994/11	10.0	14.323629	25.0	204311.0	1.432363	Y
6	ICIS 480-704994/12	25.0	35.810188	25.0	218005.0	1.432408	Y
7	IC 480-704994/13	50.0	74.001167	25.0	215126.0	1.480023	Y
8	IC 480-704994/14	100.0	140.990324	25.0	220130.0	1.409903	Y



Calibration / Chloromethane

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

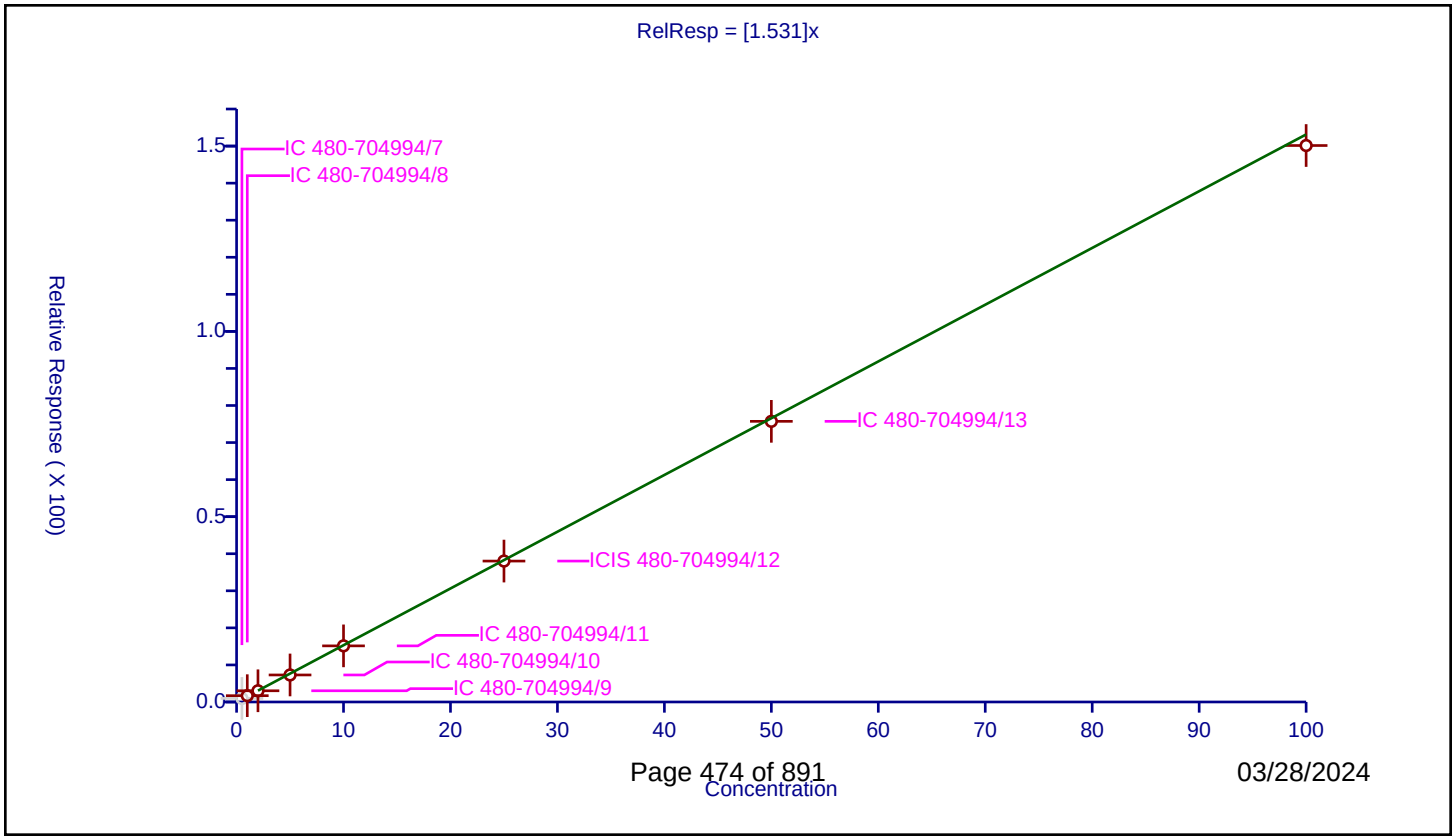
Curve Coefficients

Intercept:	0
Slope:	1.531

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.971192	25.0	211261.0	1.942384	N
2	IC 480-704994/8	1.0	1.698181	25.0	197211.0	1.698181	Y
3	IC 480-704994/9	2.0	3.024273	25.0	218474.0	1.512136	Y
4	IC 480-704994/10	5.0	7.29117	25.0	216121.0	1.458234	Y
5	IC 480-704994/11	10.0	15.140888	25.0	204311.0	1.514089	Y
6	ICIS 480-704994/12	25.0	38.024357	25.0	218005.0	1.520974	Y
7	IC 480-704994/13	50.0	75.724111	25.0	215126.0	1.514482	Y
8	IC 480-704994/14	100.0	150.146277	25.0	220130.0	1.501463	Y



Calibration / Vinyl chloride

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

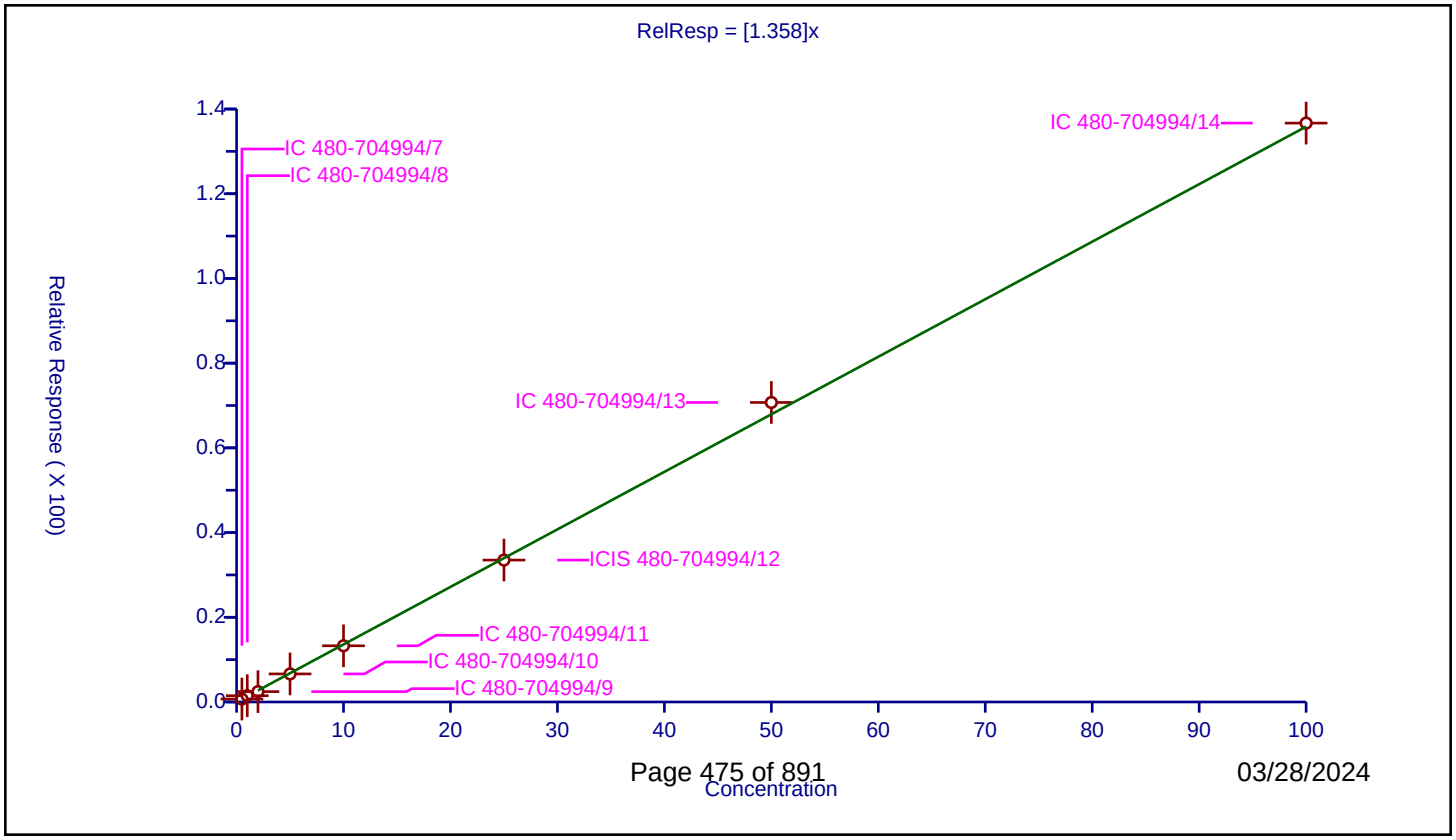
Curve Coefficients

Intercept:	0
Slope:	1.358

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.694165	25.0	211261.0	1.38833	Y
2	IC 480-704994/8	1.0	1.482929	25.0	197211.0	1.482929	Y
3	IC 480-704994/9	2.0	2.444341	25.0	218474.0	1.222171	Y
4	IC 480-704994/10	5.0	6.62719	25.0	216121.0	1.325438	Y
5	IC 480-704994/11	10.0	13.267274	25.0	204311.0	1.326727	Y
6	ICIS 480-704994/12	25.0	33.506227	25.0	218005.0	1.340249	Y
7	IC 480-704994/13	50.0	70.716115	25.0	215126.0	1.414322	Y
8	IC 480-704994/14	100.0	136.677418	25.0	220130.0	1.366774	Y



Calibration / Butadiene

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

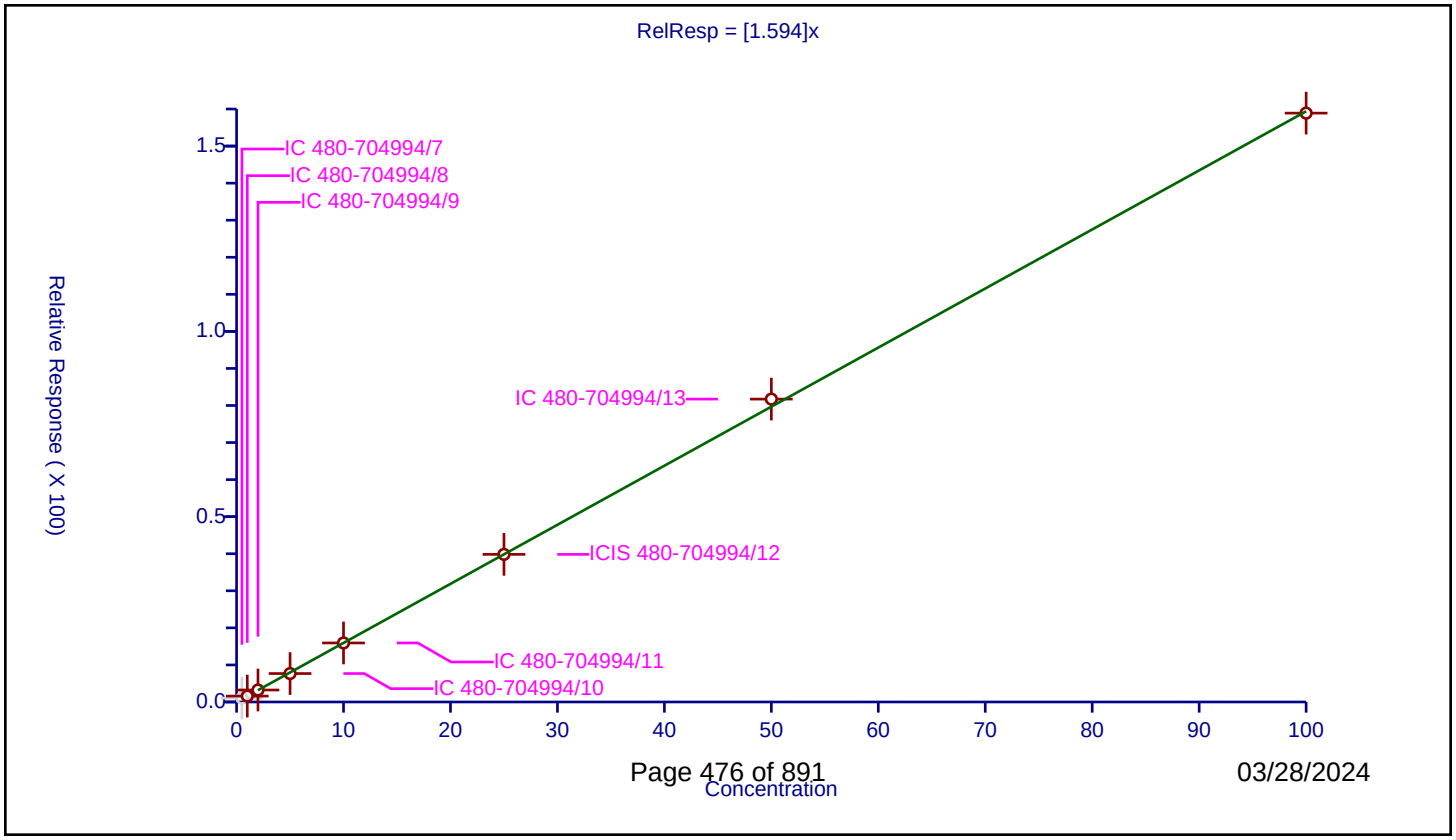
Curve Coefficients

Intercept:	0
Slope:	1.594

Error Coefficients

Relative Standard Deviation:	1.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	1.055685	25.0	211261.0	2.111369	N
2	IC 480-704994/8	1.0	1.59664	25.0	197211.0	1.59664	Y
3	IC 480-704994/9	2.0	3.231391	25.0	218474.0	1.615696	Y
4	IC 480-704994/10	5.0	7.673132	25.0	216121.0	1.534626	Y
5	IC 480-704994/11	10.0	15.925354	25.0	204311.0	1.592535	Y
6	ICIS 480-704994/12	25.0	39.8281	25.0	218005.0	1.593124	Y
7	IC 480-704994/13	50.0	81.726058	25.0	215126.0	1.634521	Y
8	IC 480-704994/14	100.0	158.890656	25.0	220130.0	1.588907	Y



Calibration / Bromomethane

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

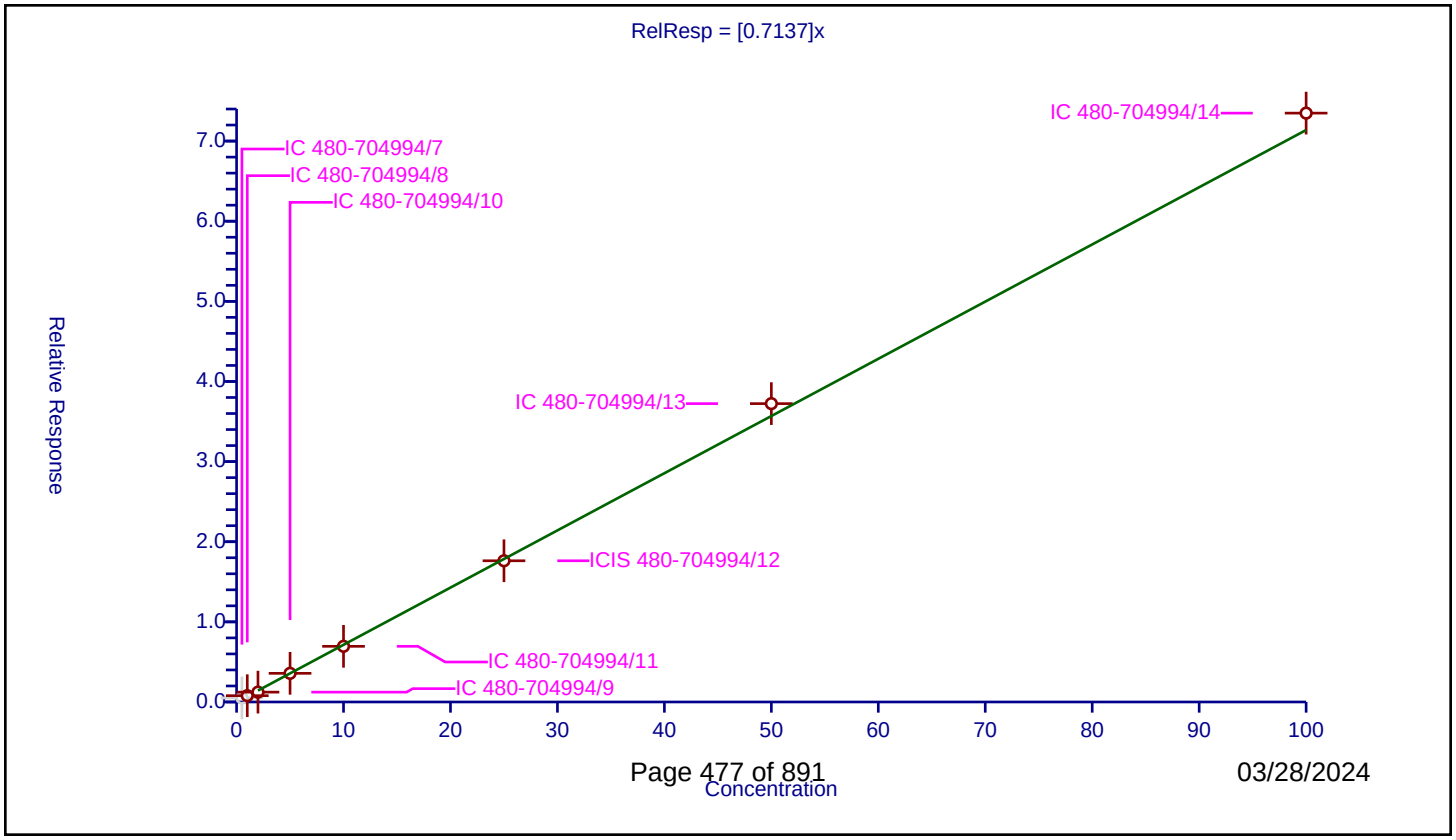
Curve Coefficients

Intercept:	0
Slope:	0.7137

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.508021	25.0	211261.0	1.016042	N
2	IC 480-704994/8	1.0	0.786848	25.0	197211.0	0.786848	Y
3	IC 480-704994/9	2.0	1.22978	25.0	218474.0	0.61489	Y
4	IC 480-704994/10	5.0	3.575659	25.0	216121.0	0.715132	Y
5	IC 480-704994/11	10.0	6.947741	25.0	204311.0	0.694774	Y
6	ICIS 480-704994/12	25.0	17.623564	25.0	218005.0	0.704943	Y
7	IC 480-704994/13	50.0	37.235039	25.0	215126.0	0.744701	Y
8	IC 480-704994/14	100.0	73.48828	25.0	220130.0	0.734883	Y



Calibration / Chloroethane

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

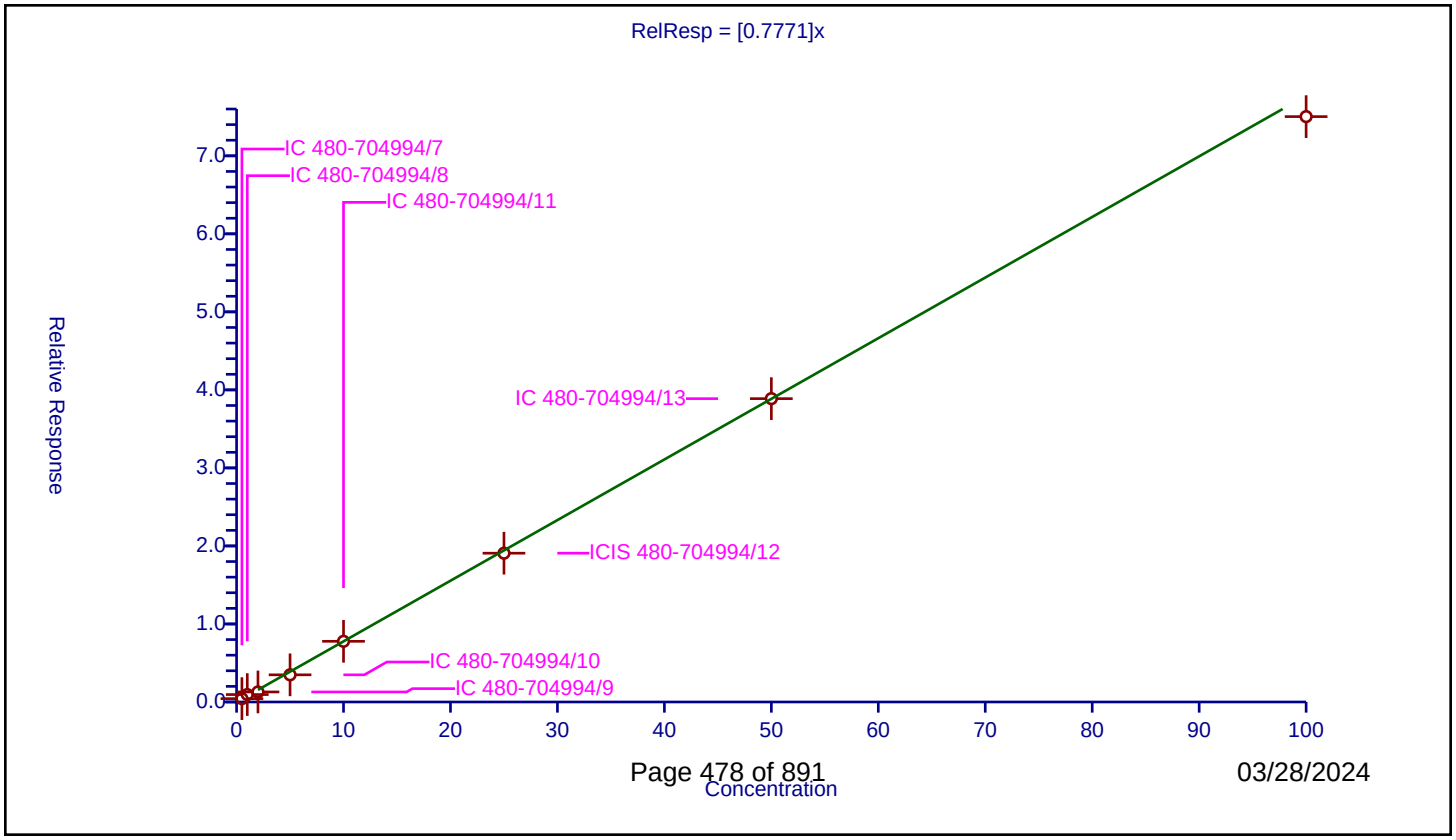
Curve Coefficients

Intercept:	0
Slope:	0.7771

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.428972	25.0	211261.0	0.857943	Y
2	IC 480-704994/8	1.0	0.950124	25.0	197211.0	0.950124	Y
3	IC 480-704994/9	2.0	1.287567	25.0	218474.0	0.643784	Y
4	IC 480-704994/10	5.0	3.48173	25.0	216121.0	0.696346	Y
5	IC 480-704994/11	10.0	7.77687	25.0	204311.0	0.777687	Y
6	ICIS 480-704994/12	25.0	19.070319	25.0	218005.0	0.762813	Y
7	IC 480-704994/13	50.0	38.880121	25.0	215126.0	0.777602	Y
8	IC 480-704994/14	100.0	75.024531	25.0	220130.0	0.750245	Y



Calibration / Trichlorofluoromethane

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

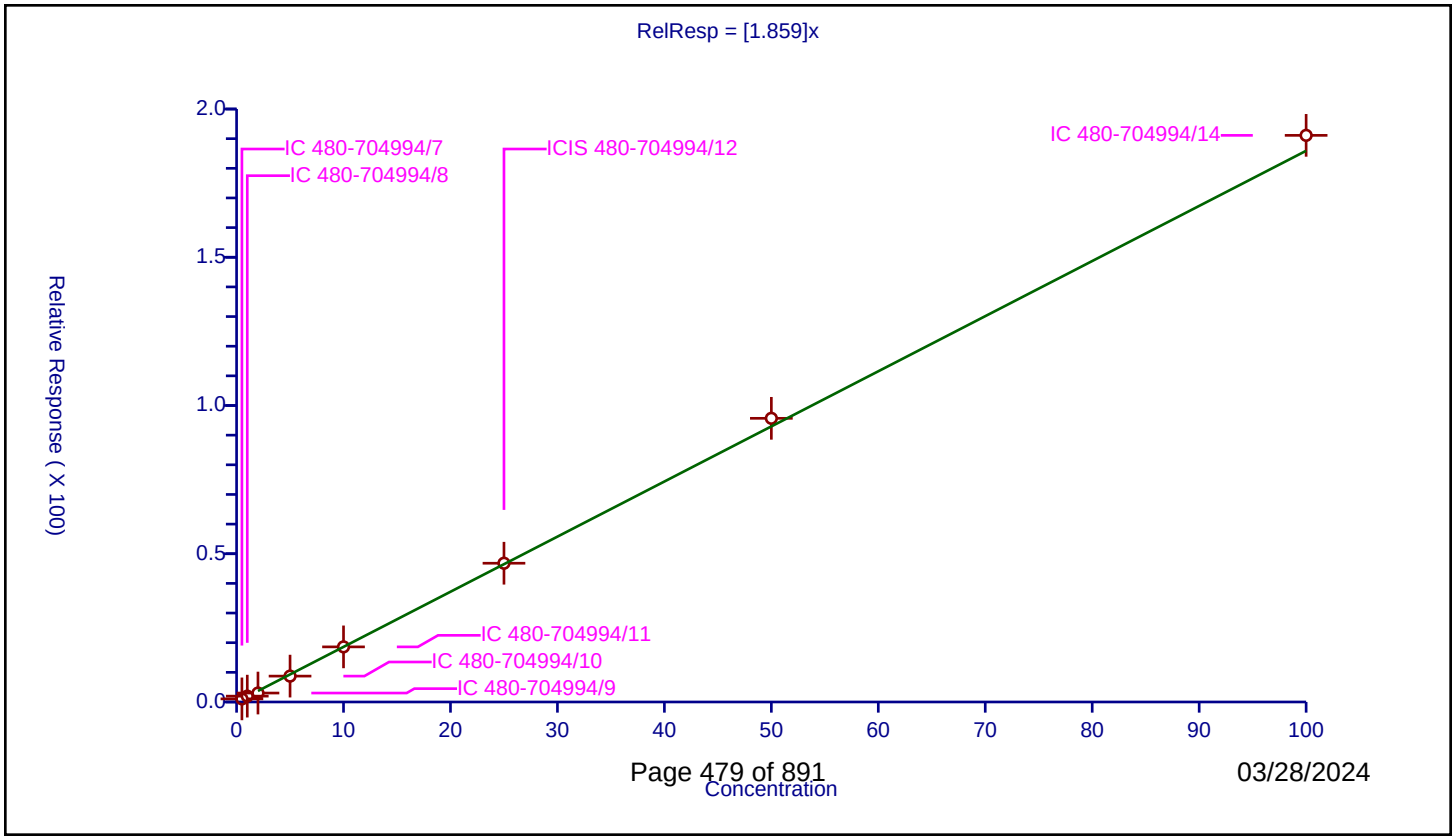
Curve Coefficients

Intercept:	0
Slope:	1.859

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	1.045153	25.0	211261.0	2.090305	Y
2	IC 480-704994/8	1.0	1.971619	25.0	197211.0	1.971619	Y
3	IC 480-704994/9	2.0	3.015462	25.0	218474.0	1.507731	Y
4	IC 480-704994/10	5.0	8.733302	25.0	216121.0	1.74666	Y
5	IC 480-704994/11	10.0	18.589307	25.0	204311.0	1.858931	Y
6	ICIS 480-704994/12	25.0	46.803628	25.0	218005.0	1.872145	Y
7	IC 480-704994/13	50.0	95.68009	25.0	215126.0	1.913602	Y
8	IC 480-704994/14	100.0	191.117862	25.0	220130.0	1.911179	Y



Calibration / Dichlorofluoromethane

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

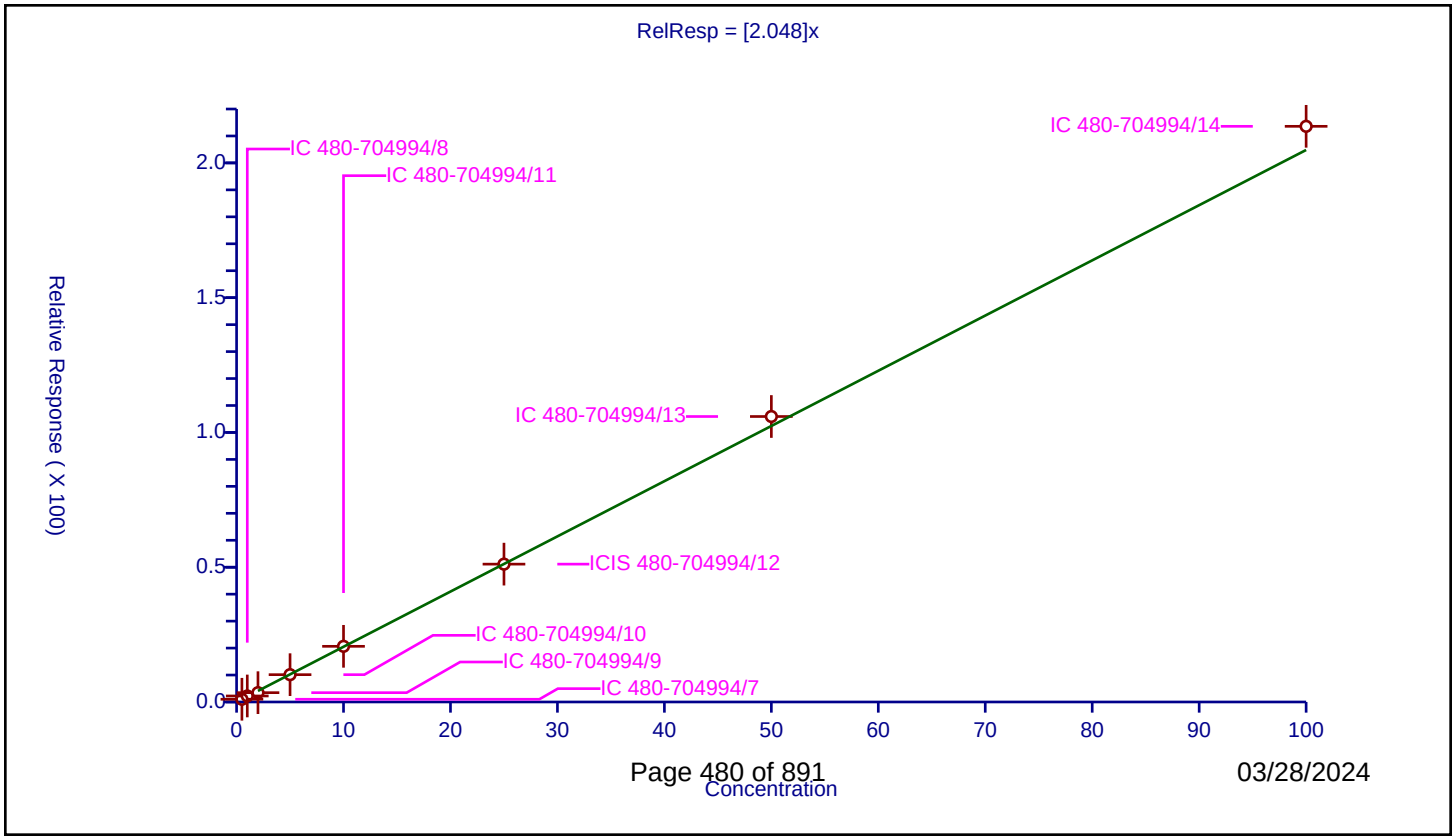
Curve Coefficients

Intercept:	0
Slope:	2.048

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	1.015568	25.0	211261.0	2.031137	Y
2	IC 480-704994/8	1.0	2.230479	25.0	197211.0	2.230479	Y
3	IC 480-704994/9	2.0	3.460709	25.0	218474.0	1.730355	Y
4	IC 480-704994/10	5.0	10.137145	25.0	216121.0	2.027429	Y
5	IC 480-704994/11	10.0	20.648668	25.0	204311.0	2.064867	Y
6	ICIS 480-704994/12	25.0	51.141946	25.0	218005.0	2.045678	Y
7	IC 480-704994/13	50.0	105.919554	25.0	215126.0	2.118391	Y
8	IC 480-704994/14	100.0	213.578681	25.0	220130.0	2.135787	Y



Calibration / Ethyl ether

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

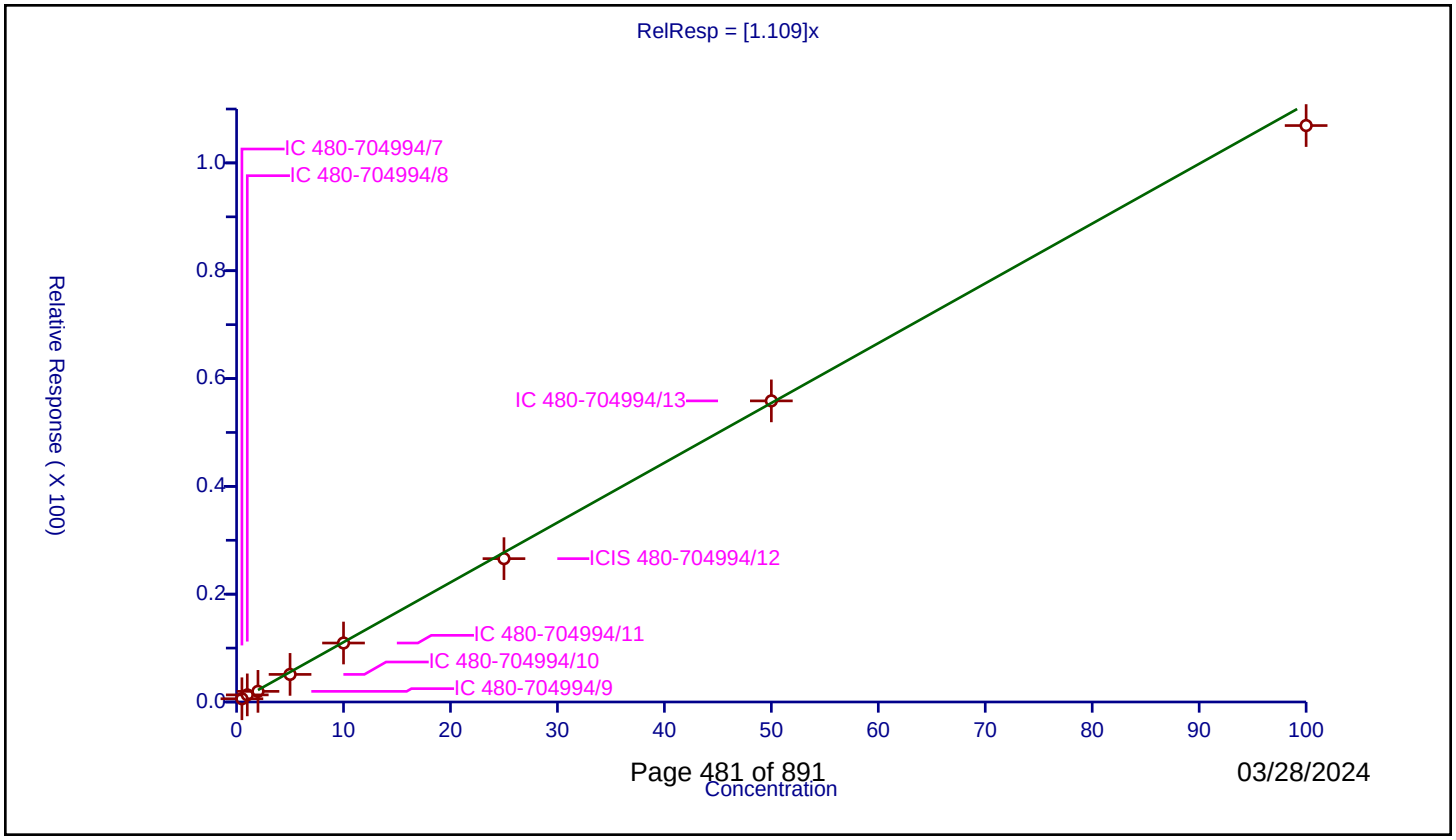
Curve Coefficients

Intercept:	0
Slope:	1.109

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.601744	25.0	211261.0	1.203488	Y
2	IC 480-704994/8	1.0	1.318512	25.0	197211.0	1.318512	Y
3	IC 480-704994/9	2.0	1.969685	25.0	218474.0	0.984843	Y
4	IC 480-704994/10	5.0	5.117041	25.0	216121.0	1.023408	Y
5	IC 480-704994/11	10.0	10.939328	25.0	204311.0	1.093933	Y
6	ICIS 480-704994/12	25.0	26.593197	25.0	218005.0	1.063728	Y
7	IC 480-704994/13	50.0	55.857149	25.0	215126.0	1.117143	Y
8	IC 480-704994/14	100.0	106.93204	25.0	220130.0	1.06932	Y



Calibration / Acrolein

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

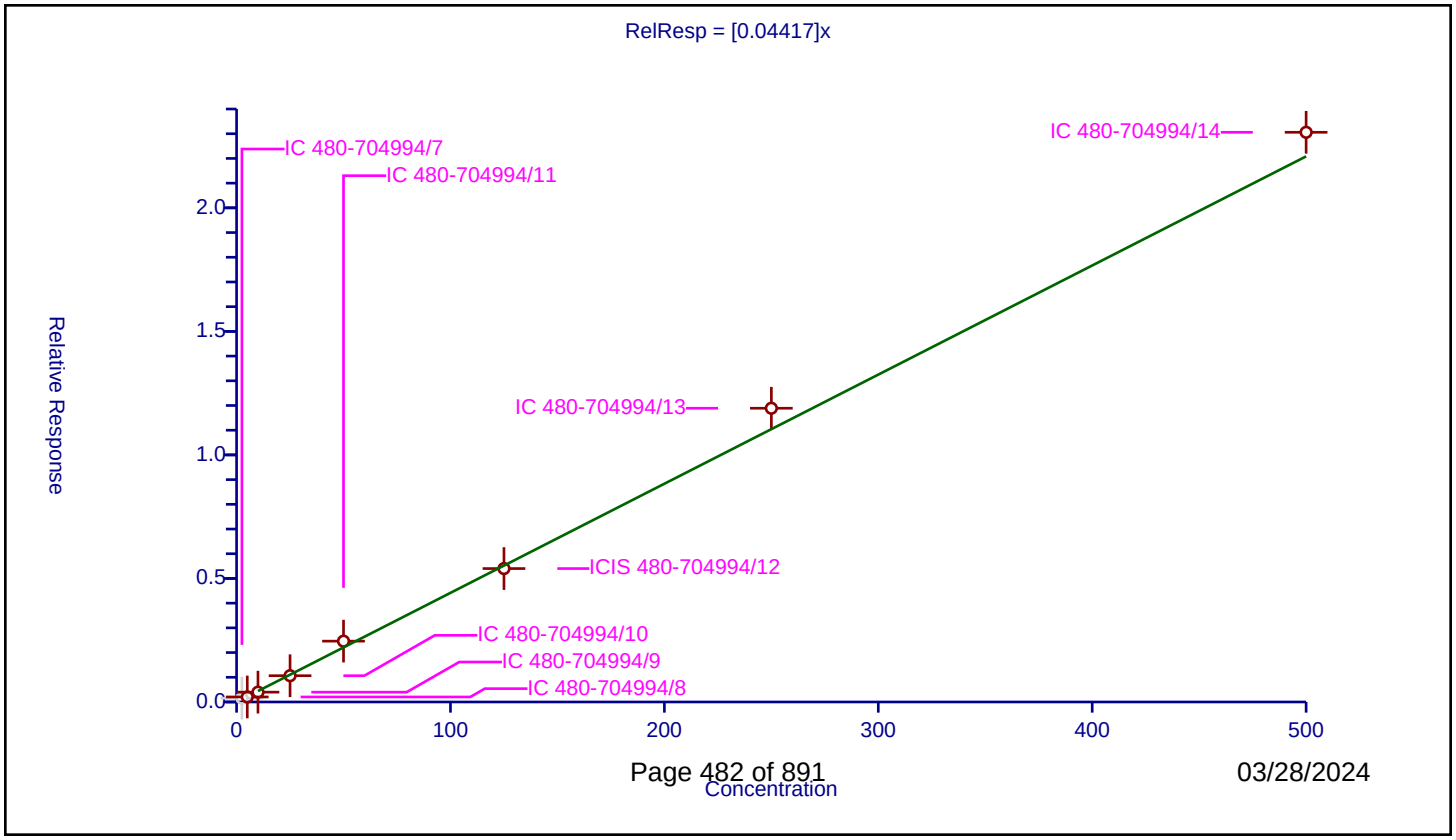
Curve Coefficients

Intercept:	0
Slope:	0.04417

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	2.5	0.153601	25.0	211261.0	0.061441	N
2	IC 480-704994/8	5.0	0.203843	25.0	197211.0	0.040769	Y
3	IC 480-704994/9	10.0	0.397301	25.0	218474.0	0.03973	Y
4	IC 480-704994/10	25.0	1.063872	25.0	216121.0	0.042555	Y
5	IC 480-704994/11	50.0	2.462055	25.0	204311.0	0.049241	Y
6	ICIS 480-704994/12	125.0	5.400106	25.0	218005.0	0.043201	Y
7	IC 480-704994/13	250.0	11.889079	25.0	215126.0	0.047556	Y
8	IC 480-704994/14	500.0	23.057739	25.0	220130.0	0.046115	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

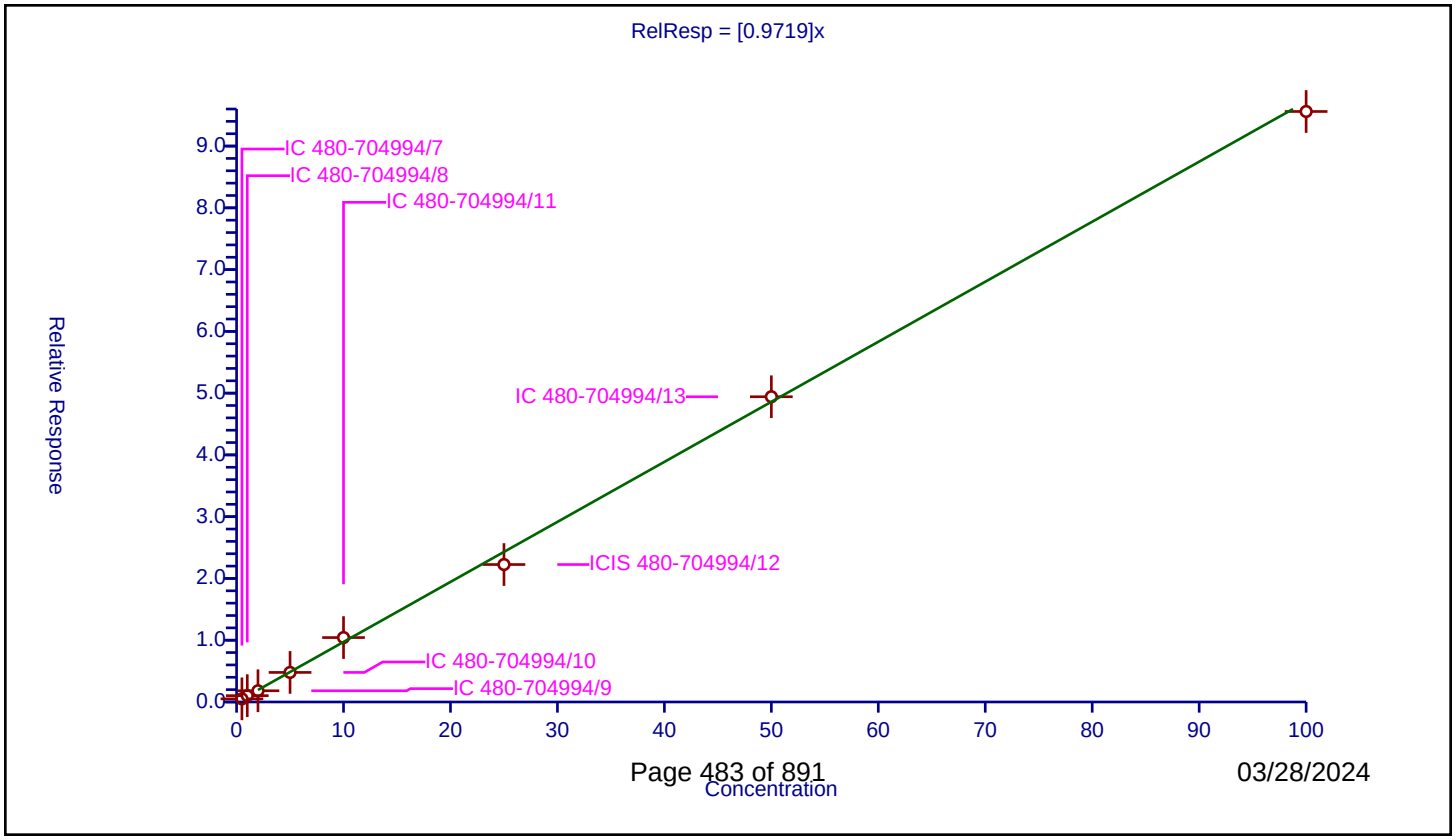
Curve Coefficients

Intercept:	0
Slope:	0.9719

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.505417	25.0	211261.0	1.010835	Y
2	IC 480-704994/8	1.0	1.023143	25.0	197211.0	1.023143	Y
3	IC 480-704994/9	2.0	1.813717	25.0	218474.0	0.906858	Y
4	IC 480-704994/10	5.0	4.785629	25.0	216121.0	0.957126	Y
5	IC 480-704994/11	10.0	10.427241	25.0	204311.0	1.042724	Y
6	ICIS 480-704994/12	25.0	22.254765	25.0	218005.0	0.890191	Y
7	IC 480-704994/13	50.0	49.417899	25.0	215126.0	0.988358	Y
8	IC 480-704994/14	100.0	95.598396	25.0	220130.0	0.955984	Y



Calibration / 1,1-Dichloroethene

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

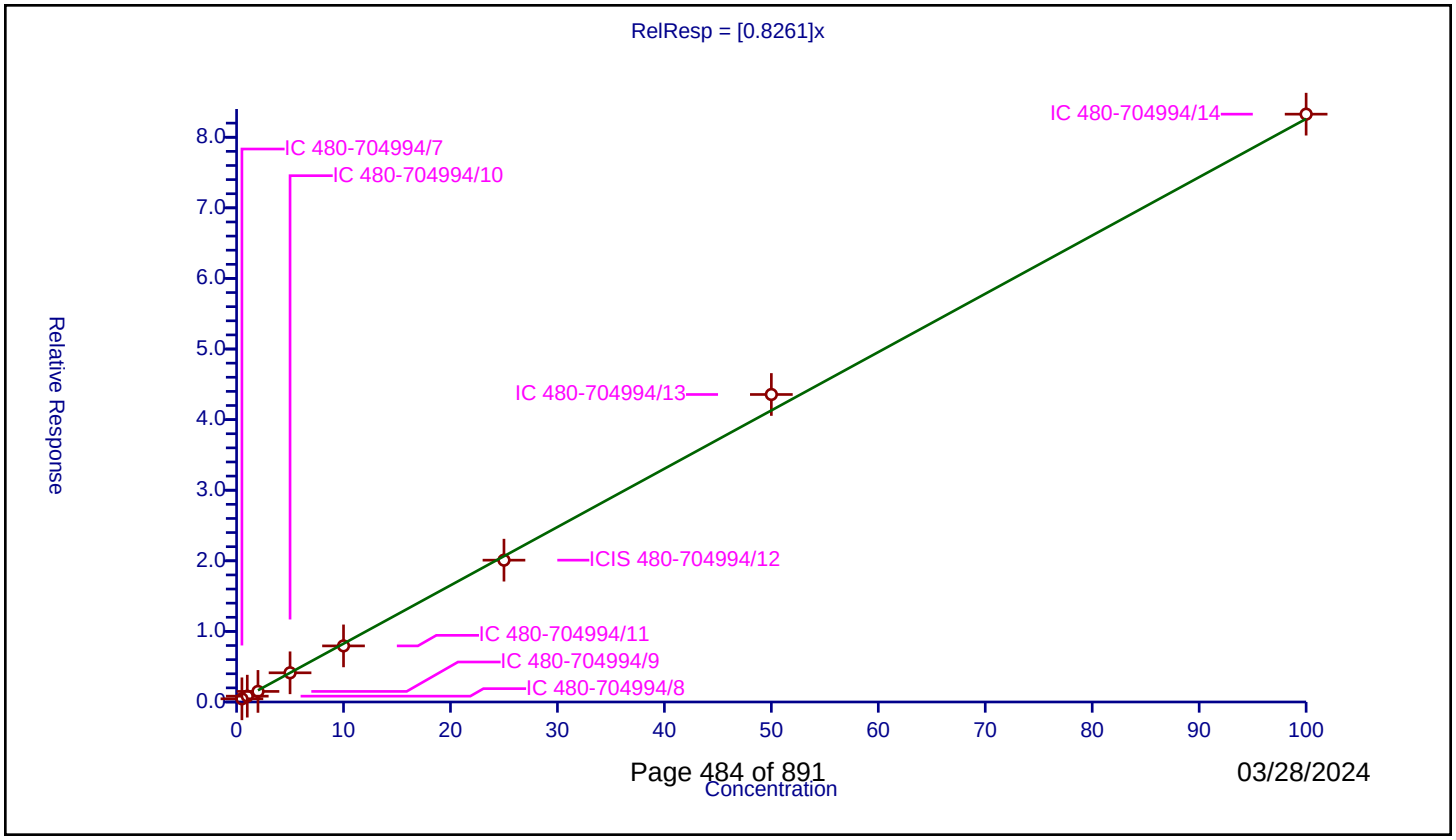
Curve Coefficients

Intercept:	0
Slope:	0.8261

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.452876	25.0	211261.0	0.905752	Y
2	IC 480-704994/8	1.0	0.825385	25.0	197211.0	0.825385	Y
3	IC 480-704994/9	2.0	1.497203	25.0	218474.0	0.748602	Y
4	IC 480-704994/10	5.0	4.133448	25.0	216121.0	0.82669	Y
5	IC 480-704994/11	10.0	7.945975	25.0	204311.0	0.794597	Y
6	ICIS 480-704994/12	25.0	20.09025	25.0	218005.0	0.80361	Y
7	IC 480-704994/13	50.0	43.56261	25.0	215126.0	0.871252	Y
8	IC 480-704994/14	100.0	83.270113	25.0	220130.0	0.832701	Y



Calibration / Acetone

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

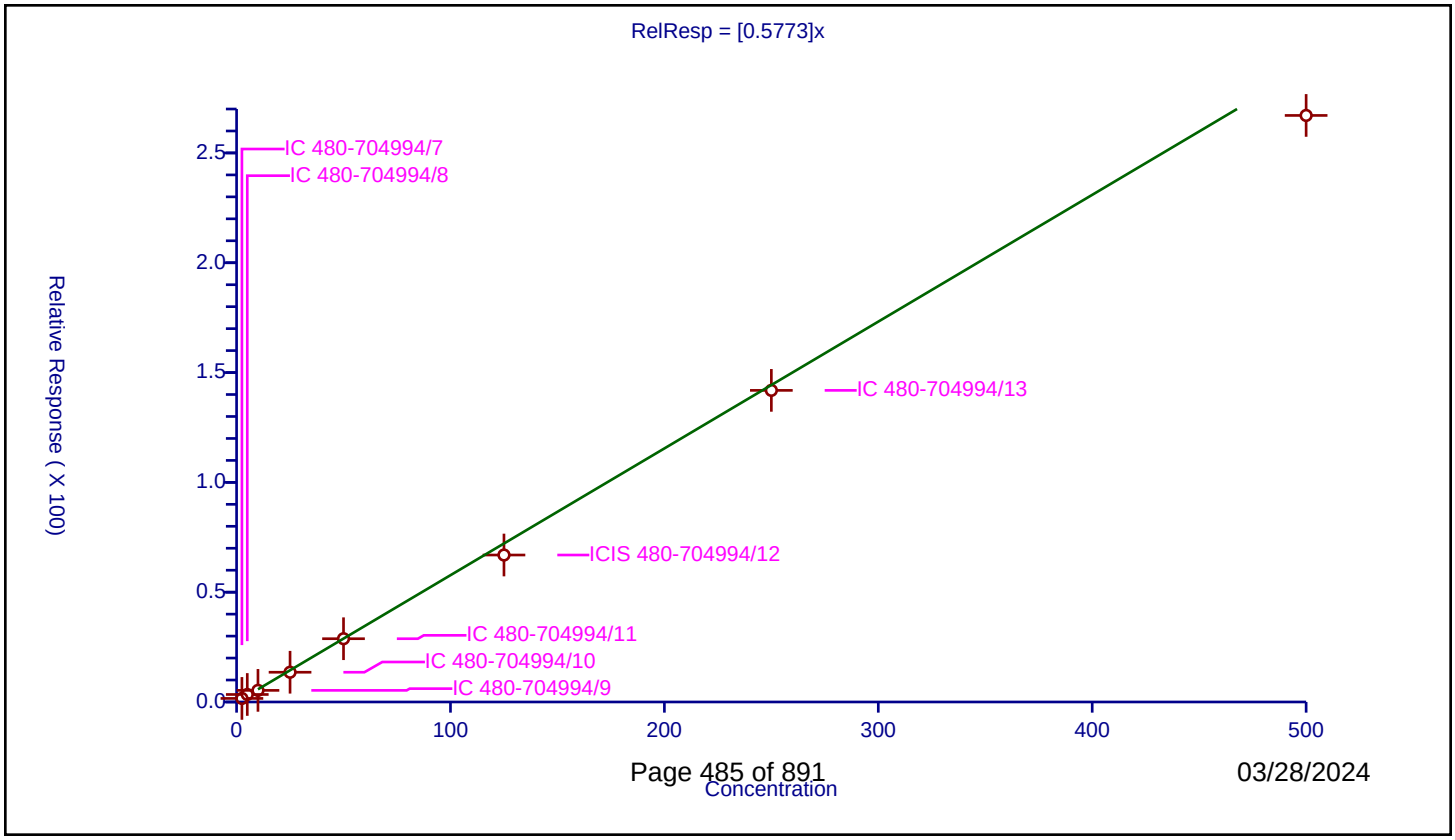
Curve Coefficients

Intercept:	0
Slope:	0.5773

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	2.5	1.625004	25.0	211261.0	0.650002	Y
2	IC 480-704994/8	5.0	3.42235	25.0	197211.0	0.68447	Y
3	IC 480-704994/9	10.0	5.284839	25.0	218474.0	0.528484	Y
4	IC 480-704994/10	25.0	13.550511	25.0	216121.0	0.54202	Y
5	IC 480-704994/11	50.0	28.811714	25.0	204311.0	0.576234	Y
6	ICIS 480-704994/12	125.0	66.926791	25.0	218005.0	0.535414	Y
7	IC 480-704994/13	250.0	141.888358	25.0	215126.0	0.567553	Y
8	IC 480-704994/14	500.0	267.07014	25.0	220130.0	0.53414	Y



Calibration / Iodomethane

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

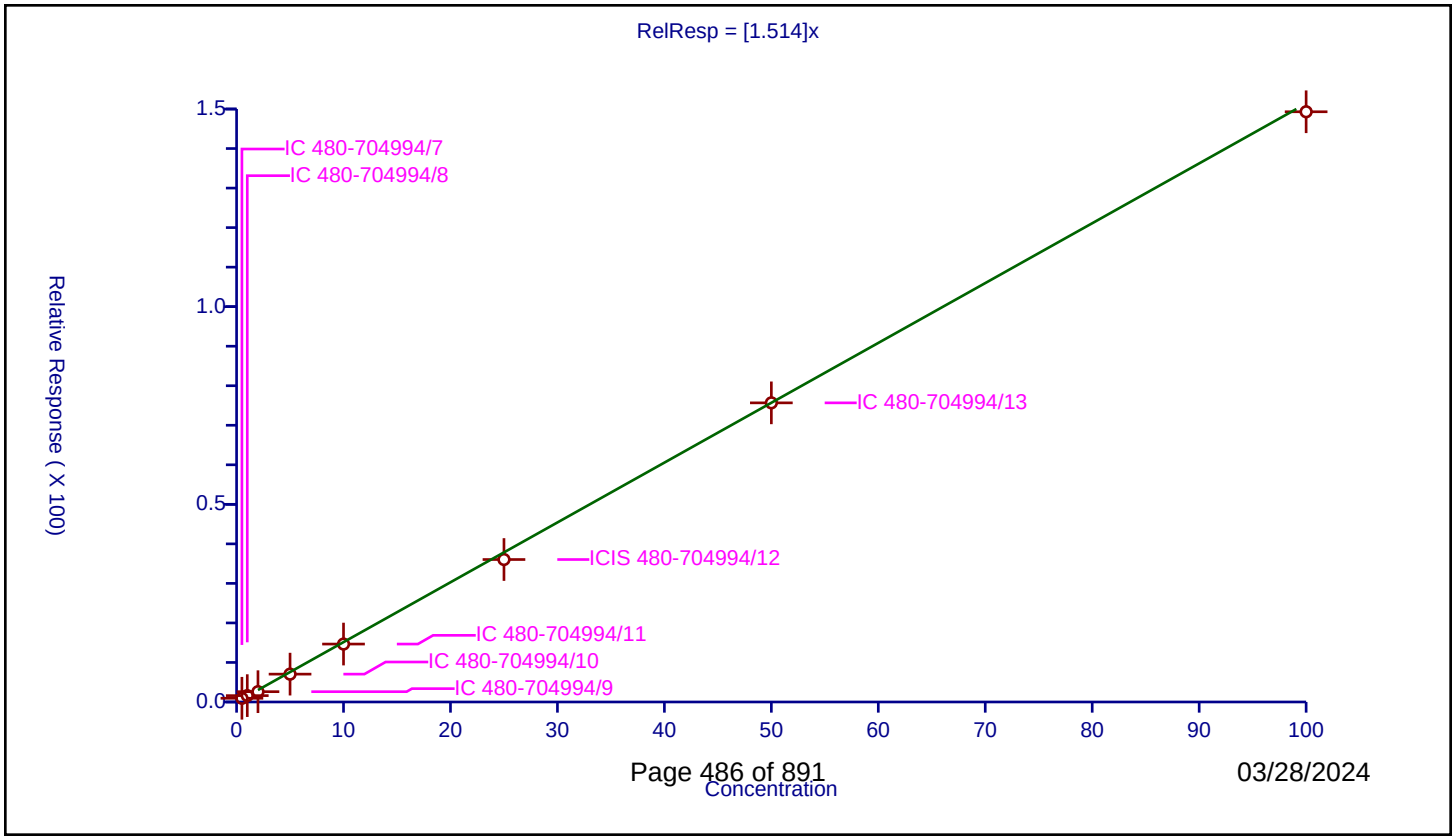
Curve Coefficients

Intercept:	0
Slope:	1.514

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.938649	25.0	211261.0	1.877299	Y
2	IC 480-704994/8	1.0	1.606782	25.0	197211.0	1.606782	Y
3	IC 480-704994/9	2.0	2.607519	25.0	218474.0	1.303759	Y
4	IC 480-704994/10	5.0	7.045359	25.0	216121.0	1.409072	Y
5	IC 480-704994/11	10.0	14.655109	25.0	204311.0	1.465511	Y
6	ICIS 480-704994/12	25.0	36.038508	25.0	218005.0	1.44154	Y
7	IC 480-704994/13	50.0	75.669375	25.0	215126.0	1.513388	Y
8	IC 480-704994/14	100.0	149.30541	25.0	220130.0	1.493054	Y



Calibration / Carbon disulfide

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

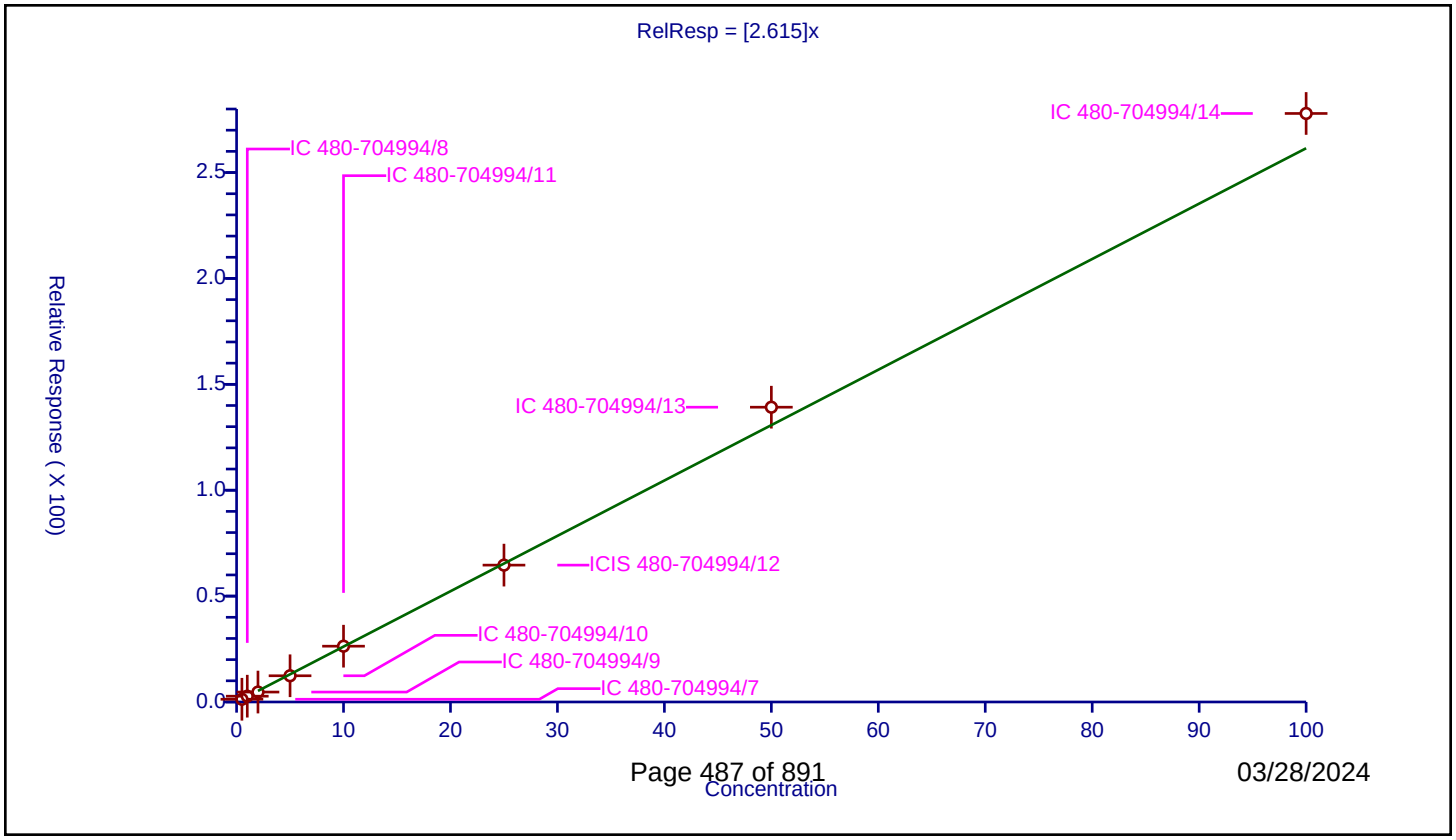
Curve Coefficients

Intercept:	0
Slope:	2.615

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	1.290229	25.0	211261.0	2.580457	Y
2	IC 480-704994/8	1.0	2.734254	25.0	197211.0	2.734254	Y
3	IC 480-704994/9	2.0	4.688315	25.0	218474.0	2.344158	Y
4	IC 480-704994/10	5.0	12.380565	25.0	216121.0	2.476113	Y
5	IC 480-704994/11	10.0	26.343785	25.0	204311.0	2.634378	Y
6	ICIS 480-704994/12	25.0	64.626729	25.0	218005.0	2.585069	Y
7	IC 480-704994/13	50.0	139.191451	25.0	215126.0	2.783829	Y
8	IC 480-704994/14	100.0	277.902149	25.0	220130.0	2.779021	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

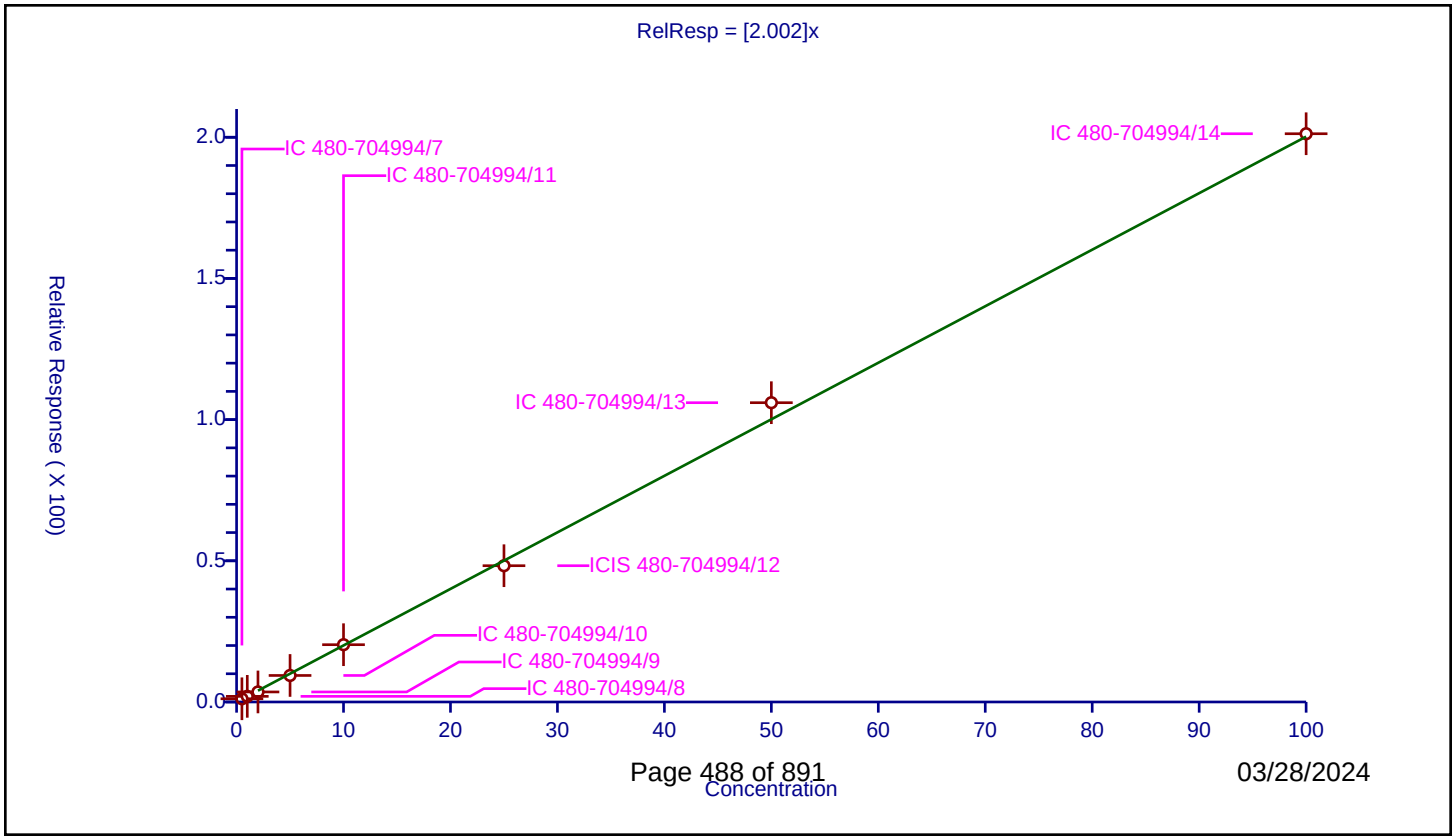
Curve Coefficients

Intercept:	0
Slope:	2.002

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	1.134379	25.0	211261.0	2.268758	Y
2	IC 480-704994/8	1.0	2.000015	25.0	197211.0	2.000015	Y
3	IC 480-704994/9	2.0	3.556716	25.0	218474.0	1.778358	Y
4	IC 480-704994/10	5.0	9.390457	25.0	216121.0	1.878091	Y
5	IC 480-704994/11	10.0	20.290391	25.0	204311.0	2.029039	Y
6	ICIS 480-704994/12	25.0	48.26059	25.0	218005.0	1.930424	Y
7	IC 480-704994/13	50.0	105.996834	25.0	215126.0	2.119937	Y
8	IC 480-704994/14	100.0	201.244833	25.0	220130.0	2.012448	Y



Calibration / Methyl acetate

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

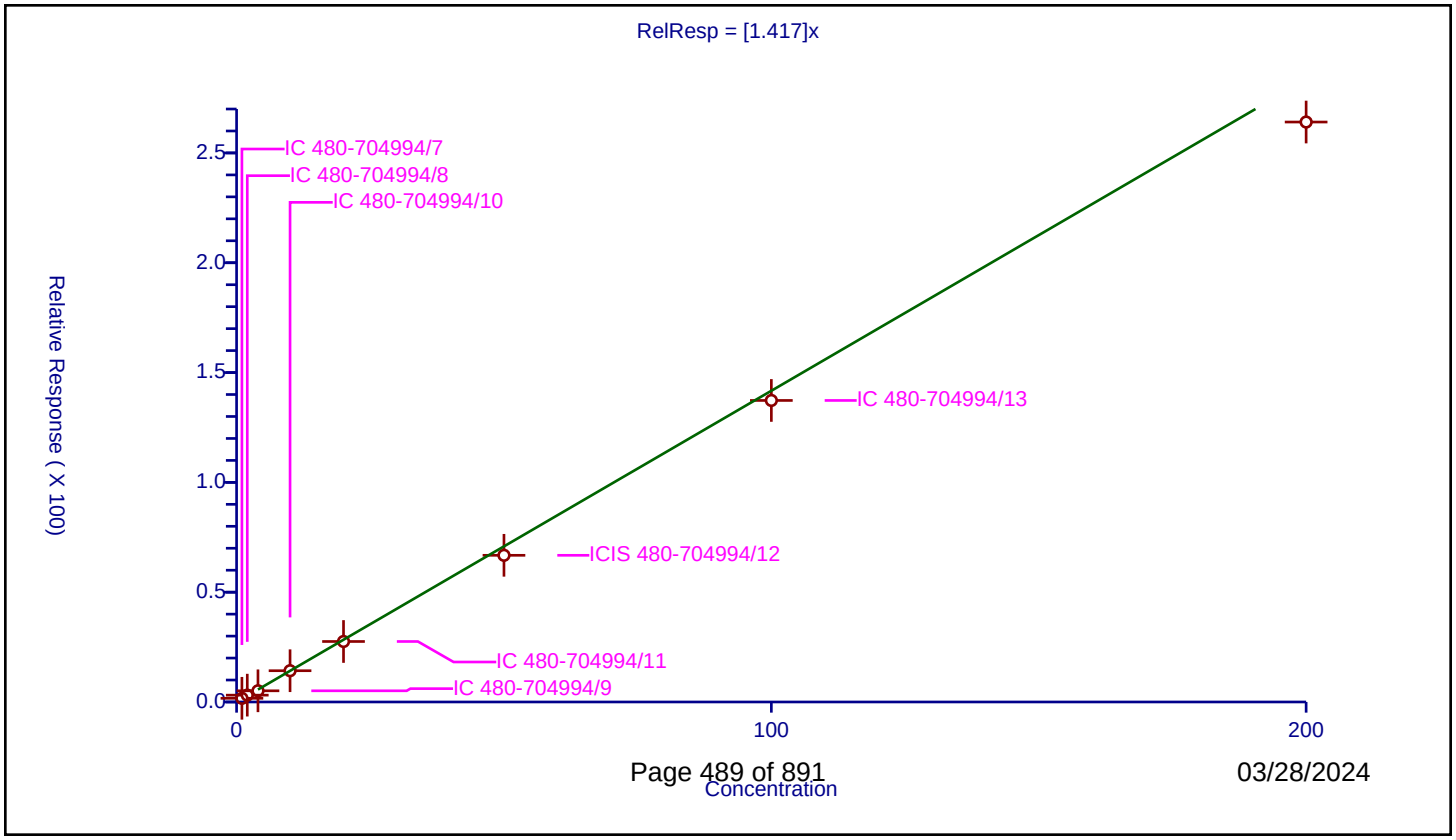
Curve Coefficients

Intercept:	0
Slope:	1.417

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	1.0	1.678256	25.0	211261.0	1.678256	Y
2	IC 480-704994/8	2.0	3.10936	25.0	197211.0	1.55468	Y
3	IC 480-704994/9	4.0	5.096487	25.0	218474.0	1.274122	Y
4	IC 480-704994/10	10.0	14.236585	25.0	216121.0	1.423659	Y
5	IC 480-704994/11	20.0	27.539878	25.0	204311.0	1.376994	Y
6	ICIS 480-704994/12	50.0	66.79239	25.0	218005.0	1.335848	Y
7	IC 480-704994/13	100.0	137.29756	25.0	215126.0	1.372976	Y
8	IC 480-704994/14	200.0	264.071798	25.0	220130.0	1.320359	Y



Calibration / Methylene Chloride

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

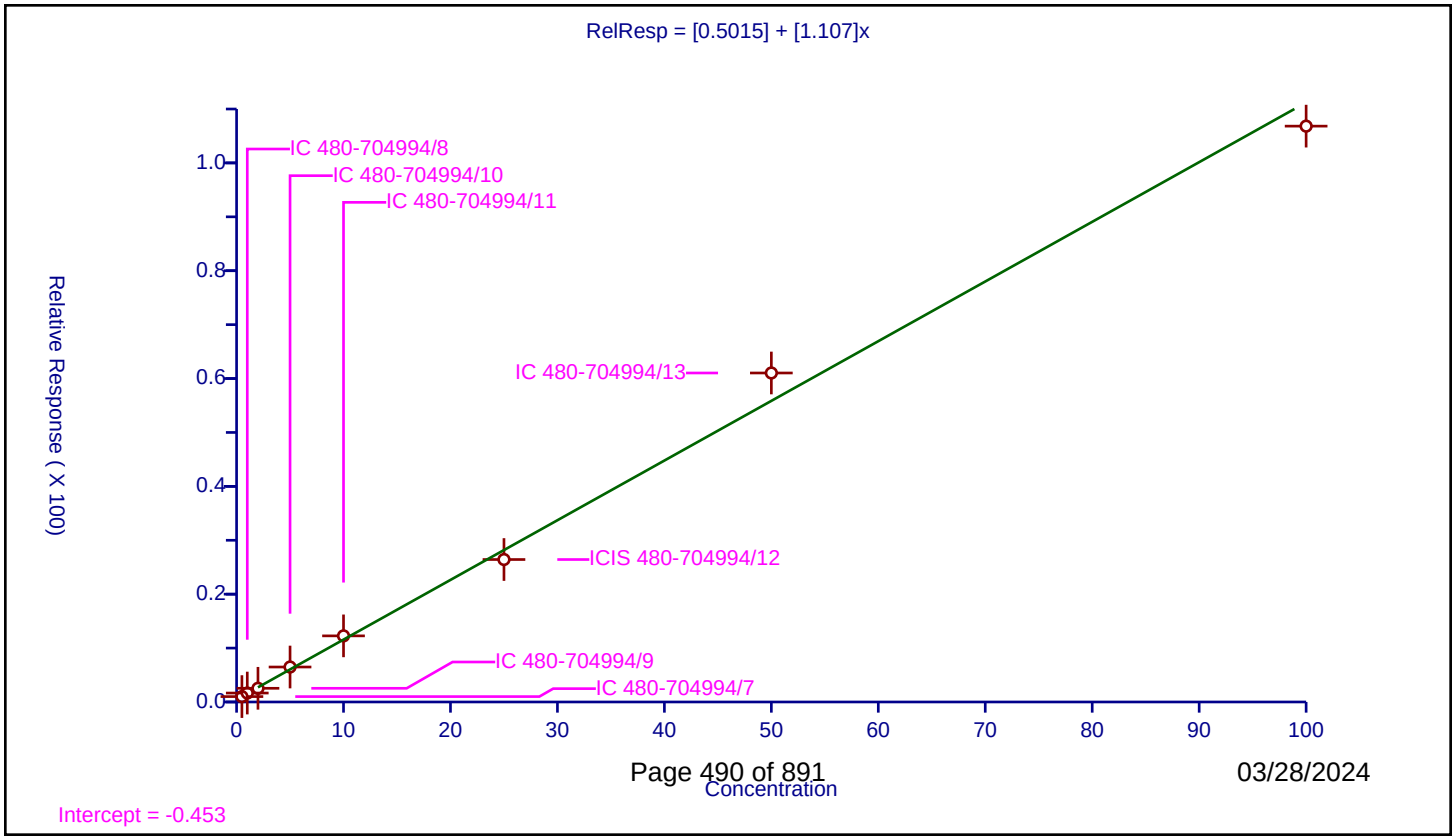
Curve Coefficients

Intercept:	0.5015
Slope:	1.107

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.999475	25.0	211261.0	1.998949	Y
2	IC 480-704994/8	1.0	1.65901	25.0	197211.0	1.65901	Y
3	IC 480-704994/9	2.0	2.538403	25.0	218474.0	1.269201	Y
4	IC 480-704994/10	5.0	6.488958	25.0	216121.0	1.297792	Y
5	IC 480-704994/11	10.0	12.265248	25.0	204311.0	1.226525	Y
6	ICIS 480-704994/12	25.0	26.430701	25.0	218005.0	1.057228	Y
7	IC 480-704994/13	50.0	61.032953	25.0	215126.0	1.220659	Y
8	IC 480-704994/14	100.0	106.823695	25.0	220130.0	1.068237	Y



Calibration / 2-Methyl-2-propanol

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

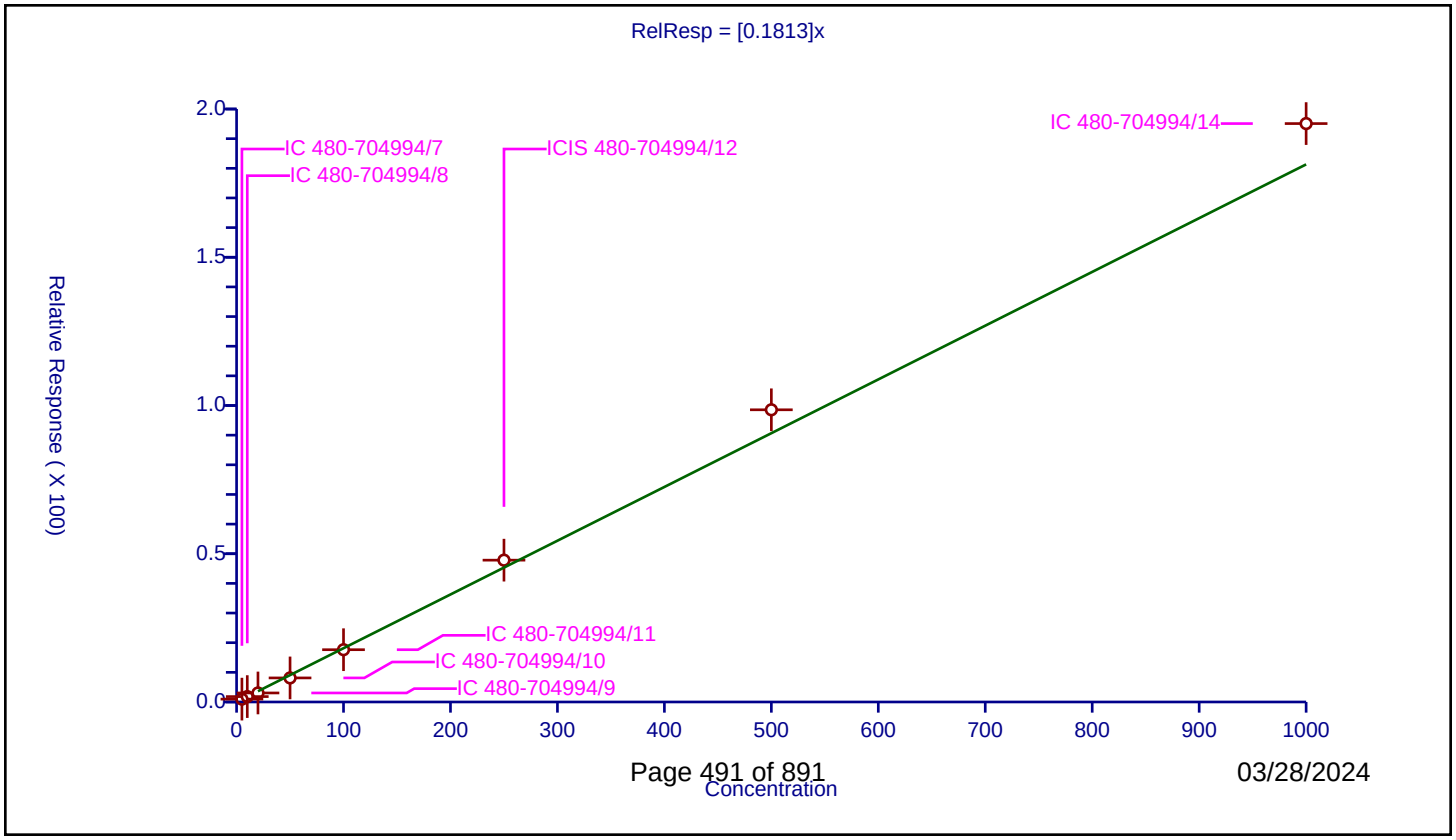
Curve Coefficients

Intercept:	0
Slope:	0.1813

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	5.0	0.970364	25.0	211261.0	0.194073	Y
2	IC 480-704994/8	10.0	1.820132	25.0	197211.0	0.182013	Y
3	IC 480-704994/9	20.0	3.044756	25.0	218474.0	0.152238	Y
4	IC 480-704994/10	50.0	8.117443	25.0	216121.0	0.162349	Y
5	IC 480-704994/11	100.0	17.635492	25.0	204311.0	0.176355	Y
6	ICIS 480-704994/12	250.0	47.839728	25.0	218005.0	0.191359	Y
7	IC 480-704994/13	500.0	98.553522	25.0	215126.0	0.197107	Y
8	IC 480-704994/14	1000.0	195.090174	25.0	220130.0	0.19509	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

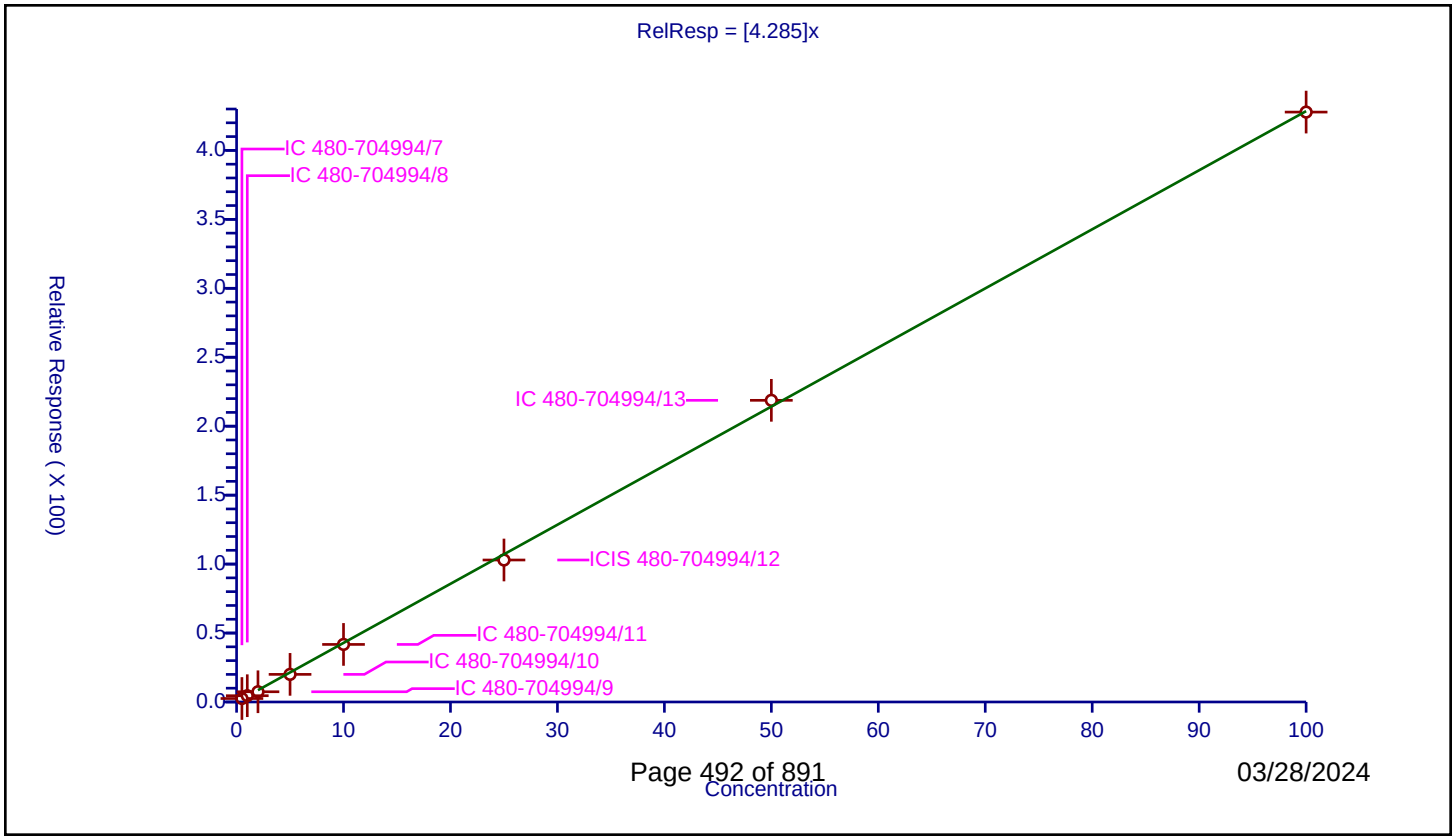
Curve Coefficients

Intercept:	0
Slope:	4.285

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	2.527442	25.0	211261.0	5.054885	Y
2	IC 480-704994/8	1.0	4.557555	25.0	197211.0	4.557555	Y
3	IC 480-704994/9	2.0	7.425025	25.0	218474.0	3.712513	Y
4	IC 480-704994/10	5.0	20.030446	25.0	216121.0	4.006089	Y
5	IC 480-704994/11	10.0	41.740533	25.0	204311.0	4.174053	Y
6	ICIS 480-704994/12	25.0	102.955781	25.0	218005.0	4.118231	Y
7	IC 480-704994/13	50.0	218.750291	25.0	215126.0	4.375006	Y
8	IC 480-704994/14	100.0	427.780402	25.0	220130.0	4.277804	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

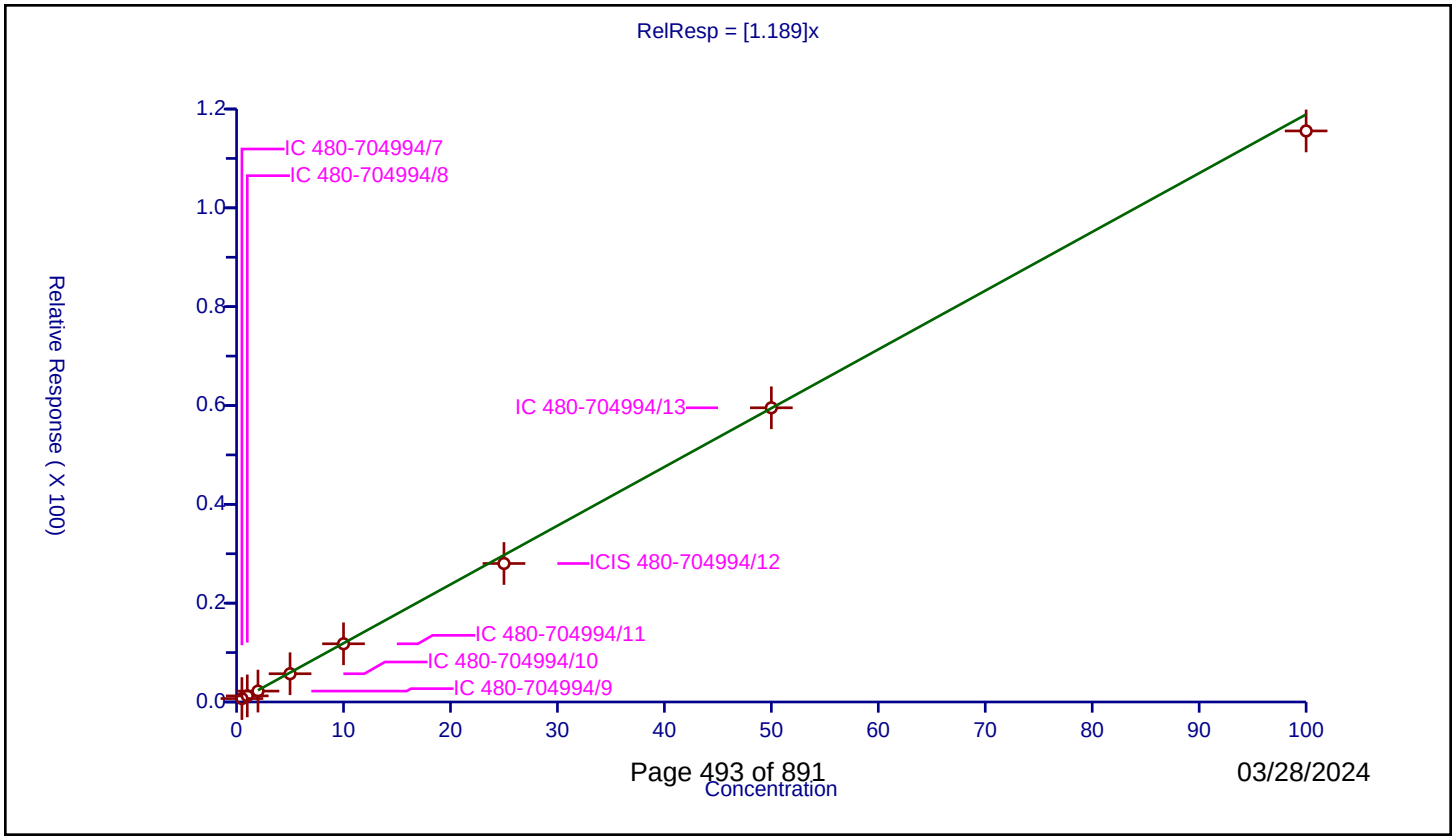
Curve Coefficients

Intercept:	0
Slope:	1.189

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.694757	25.0	211261.0	1.389513	Y
2	IC 480-704994/8	1.0	1.232943	25.0	197211.0	1.232943	Y
3	IC 480-704994/9	2.0	2.20255	25.0	218474.0	1.101275	Y
4	IC 480-704994/10	5.0	5.716821	25.0	216121.0	1.143364	Y
5	IC 480-704994/11	10.0	11.779958	25.0	204311.0	1.177996	Y
6	ICIS 480-704994/12	25.0	28.02516	25.0	218005.0	1.121006	Y
7	IC 480-704994/13	50.0	59.538015	25.0	215126.0	1.19076	Y
8	IC 480-704994/14	100.0	115.562395	25.0	220130.0	1.155624	Y



Calibration / Acrylonitrile

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

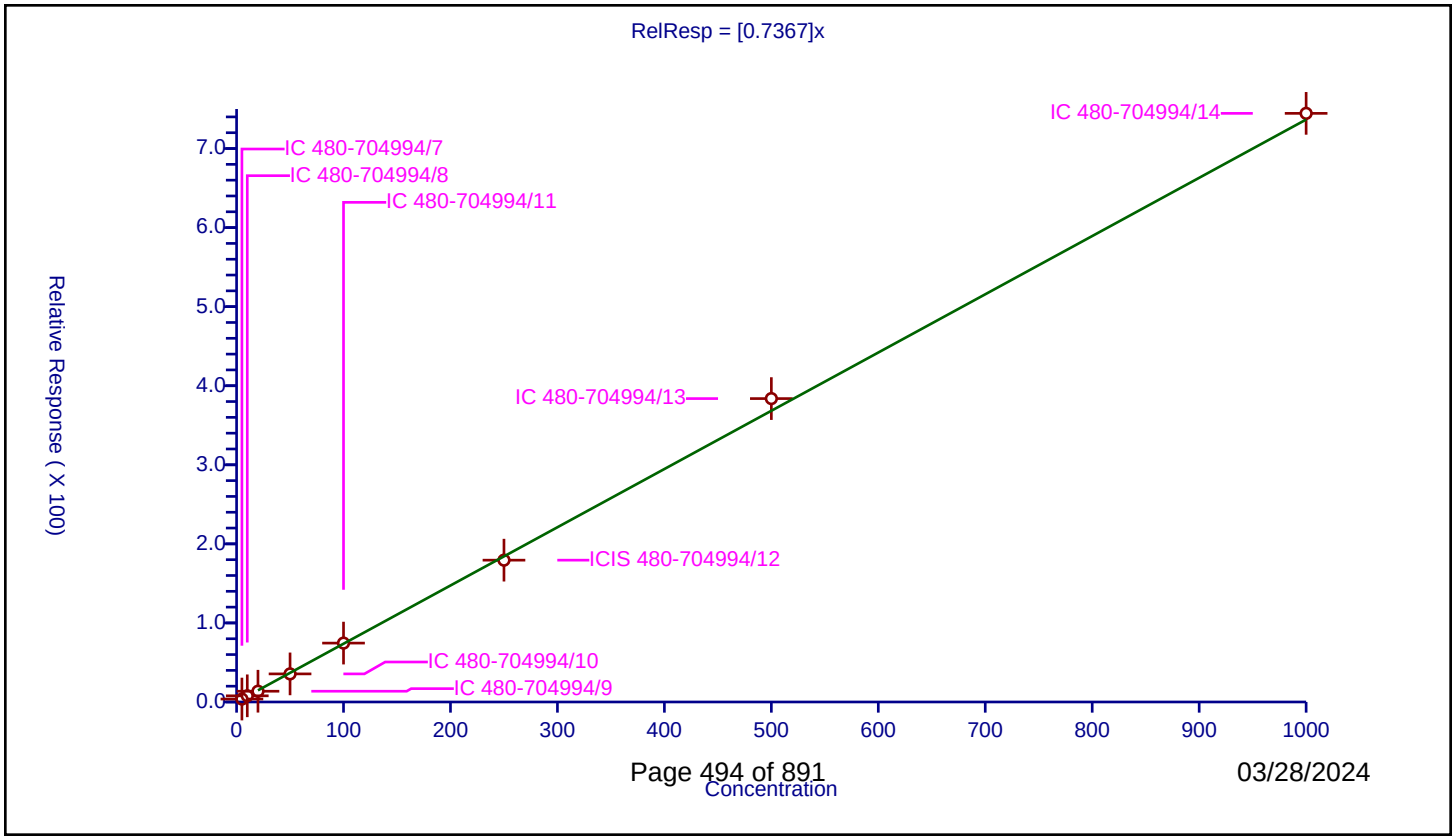
Curve Coefficients

Intercept:	0
Slope:	0.7367

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	5.0	3.73448	25.0	211261.0	0.746896	Y
2	IC 480-704994/8	10.0	7.808642	25.0	197211.0	0.780864	Y
3	IC 480-704994/9	20.0	13.609629	25.0	218474.0	0.680481	Y
4	IC 480-704994/10	50.0	35.523156	25.0	216121.0	0.710463	Y
5	IC 480-704994/11	100.0	74.496478	25.0	204311.0	0.744965	Y
6	ICIS 480-704994/12	250.0	179.396573	25.0	218005.0	0.717586	Y
7	IC 480-704994/13	500.0	383.759053	25.0	215126.0	0.767518	Y
8	IC 480-704994/14	1000.0	744.490188	25.0	220130.0	0.74449	Y



Calibration / Hexane

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

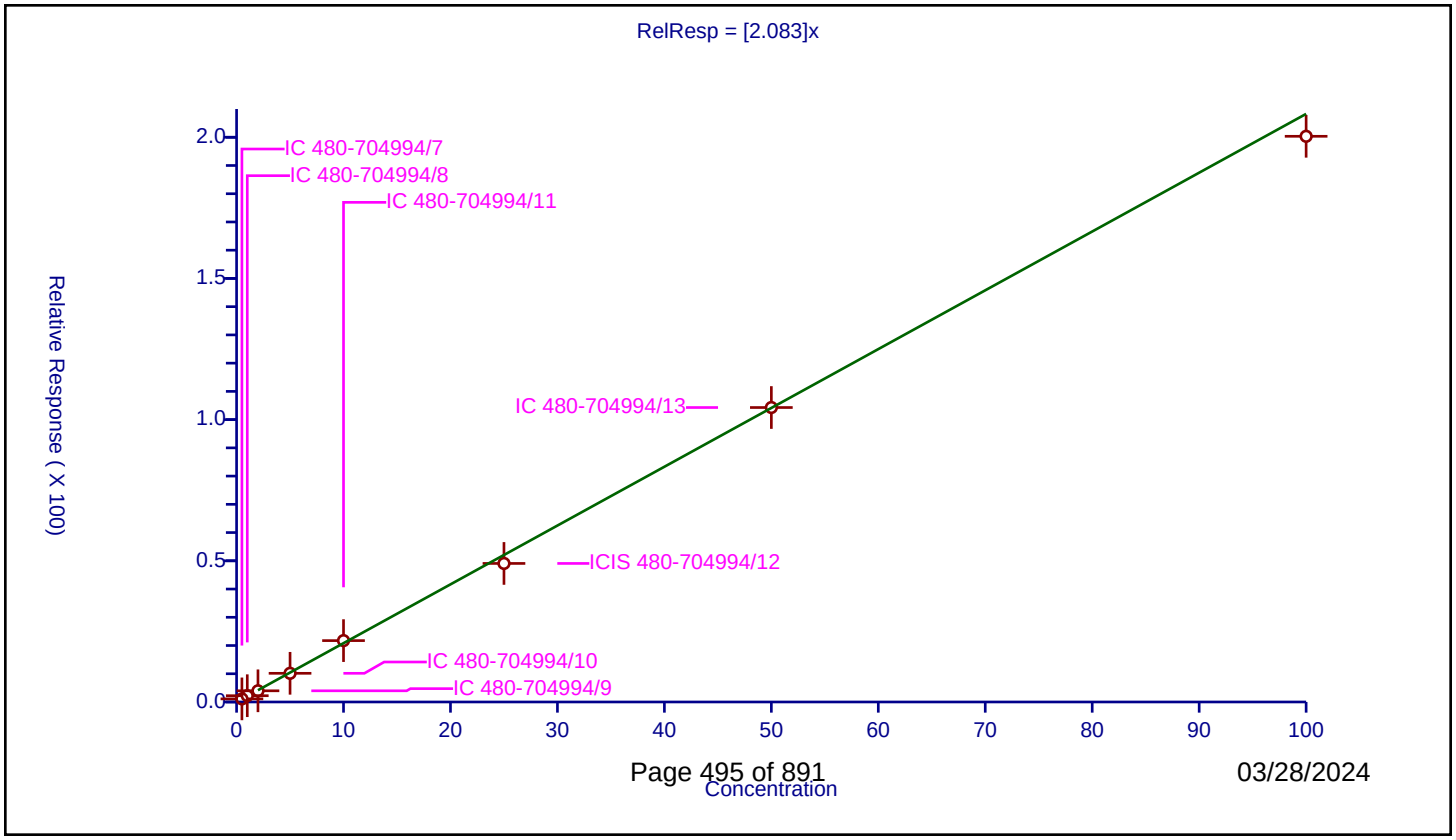
Curve Coefficients

Intercept:	0
Slope:	2.083

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	1.101836	25.0	211261.0	2.203672	Y
2	IC 480-704994/8	1.0	2.221352	25.0	197211.0	2.221352	Y
3	IC 480-704994/9	2.0	3.96054	25.0	218474.0	1.98027	Y
4	IC 480-704994/10	5.0	10.156926	25.0	216121.0	2.031385	Y
5	IC 480-704994/11	10.0	21.734145	25.0	204311.0	2.173415	Y
6	ICIS 480-704994/12	25.0	49.063668	25.0	218005.0	1.962547	Y
7	IC 480-704994/13	50.0	104.283188	25.0	215126.0	2.085664	Y
8	IC 480-704994/14	100.0	200.334348	25.0	220130.0	2.003343	Y



Calibration / 1,1-Dichloroethane

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

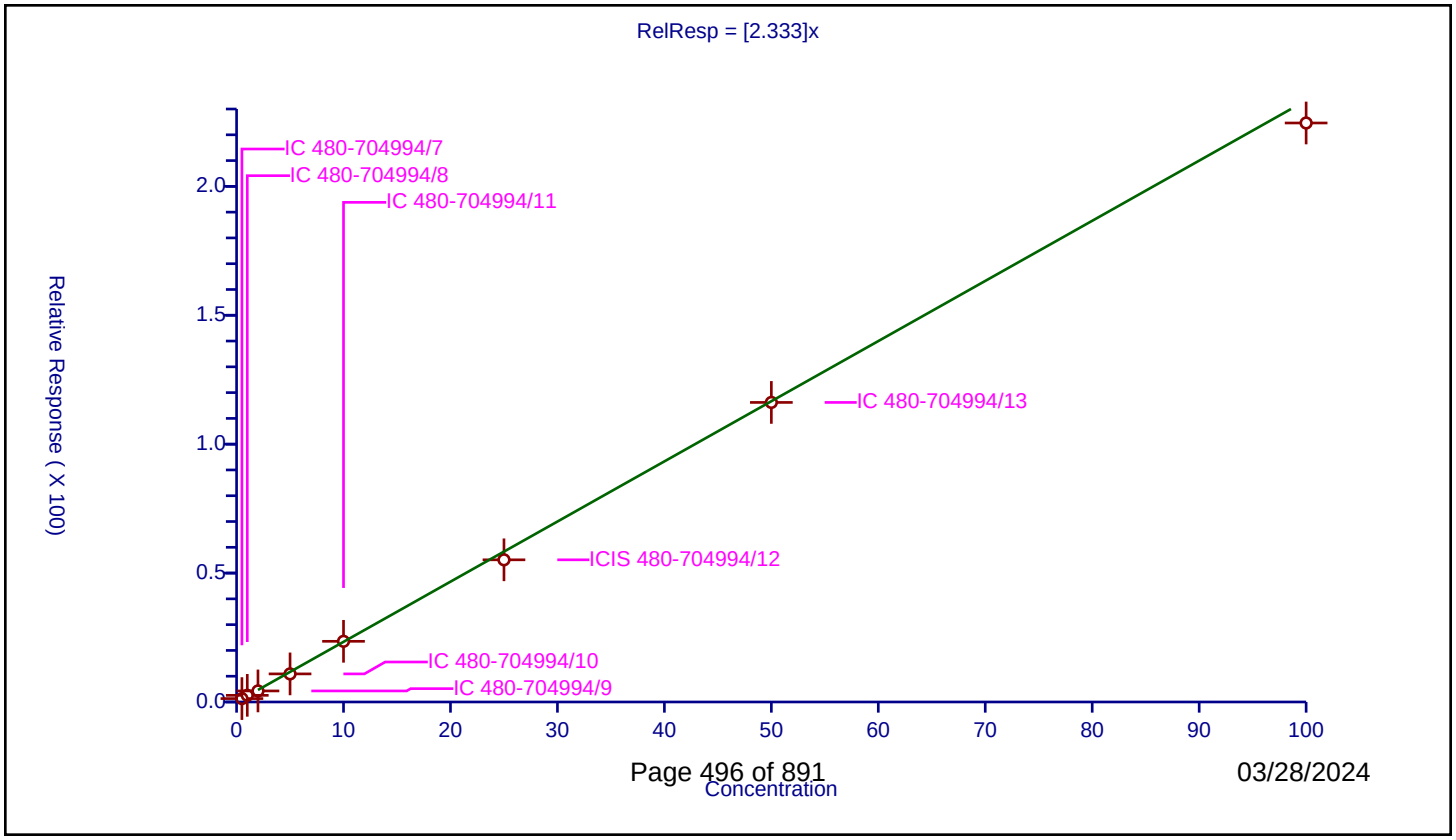
Curve Coefficients

Intercept:	0
Slope:	2.333

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	1.316736	25.0	211261.0	2.633472	Y
2	IC 480-704994/8	1.0	2.579597	25.0	197211.0	2.579597	Y
3	IC 480-704994/9	2.0	4.283462	25.0	218474.0	2.141731	Y
4	IC 480-704994/10	5.0	10.901301	25.0	216121.0	2.18026	Y
5	IC 480-704994/11	10.0	23.539359	25.0	204311.0	2.353936	Y
6	ICIS 480-704994/12	25.0	55.146556	25.0	218005.0	2.205862	Y
7	IC 480-704994/13	50.0	116.187955	25.0	215126.0	2.323759	Y
8	IC 480-704994/14	100.0	224.579226	25.0	220130.0	2.245792	Y



Calibration / Vinyl acetate

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

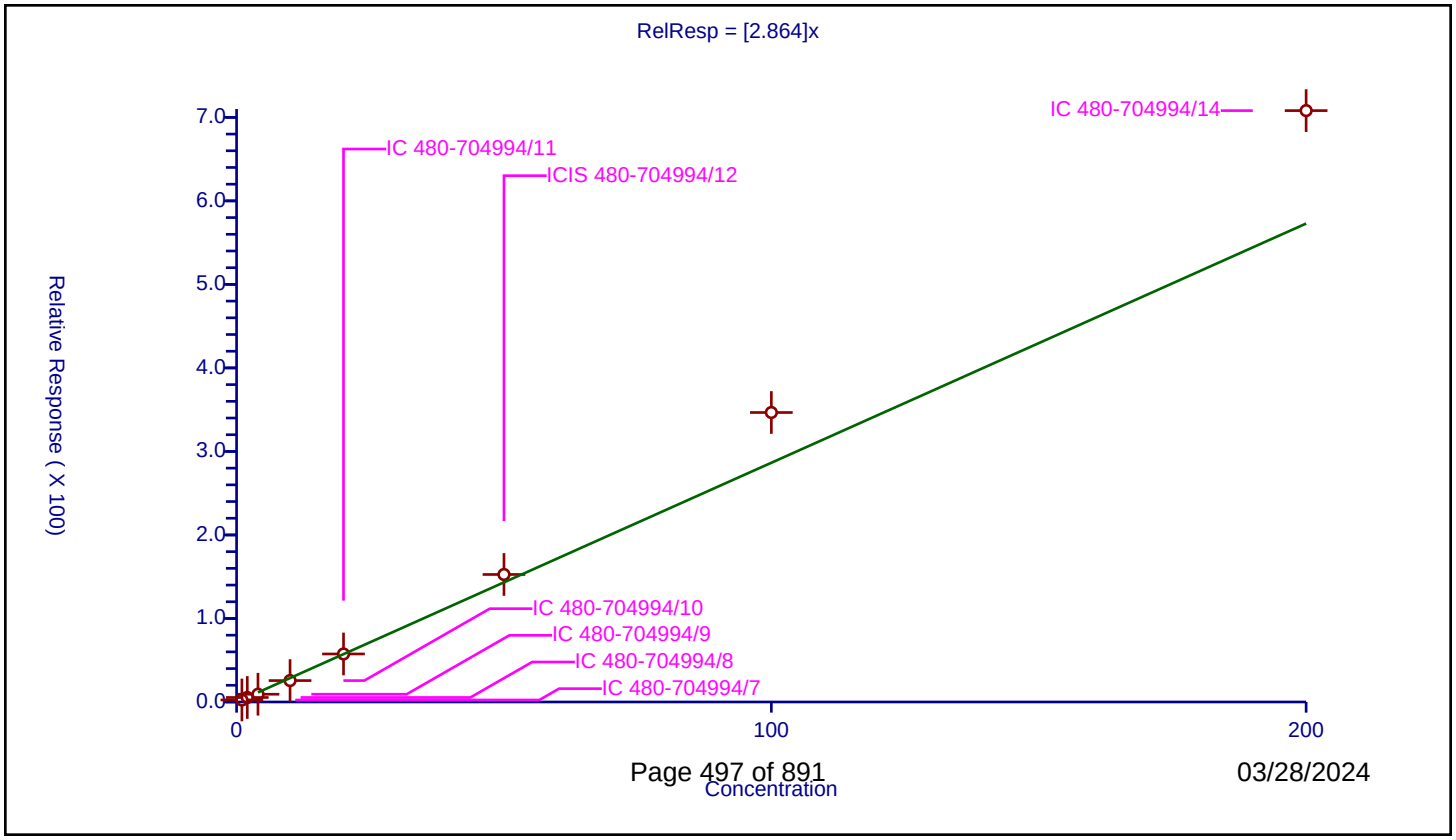
Curve Coefficients

Intercept:	0
Slope:	2.864

Error Coefficients

Relative Standard Deviation:	16.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	1.0	2.408632	25.0	211261.0	2.408632	Y
2	IC 480-704994/8	2.0	5.380405	25.0	197211.0	2.690202	Y
3	IC 480-704994/9	4.0	9.276047	25.0	218474.0	2.319012	Y
4	IC 480-704994/10	10.0	25.625228	25.0	216121.0	2.562523	Y
5	IC 480-704994/11	20.0	57.492132	25.0	204311.0	2.874607	Y
6	ICIS 480-704994/12	50.0	152.657967	25.0	218005.0	3.053159	Y
7	IC 480-704994/13	100.0	346.612915	25.0	215126.0	3.466129	Y
8	IC 480-704994/14	200.0	708.092832	25.0	220130.0	3.540464	Y



Calibration / 2,2-Dichloropropane

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

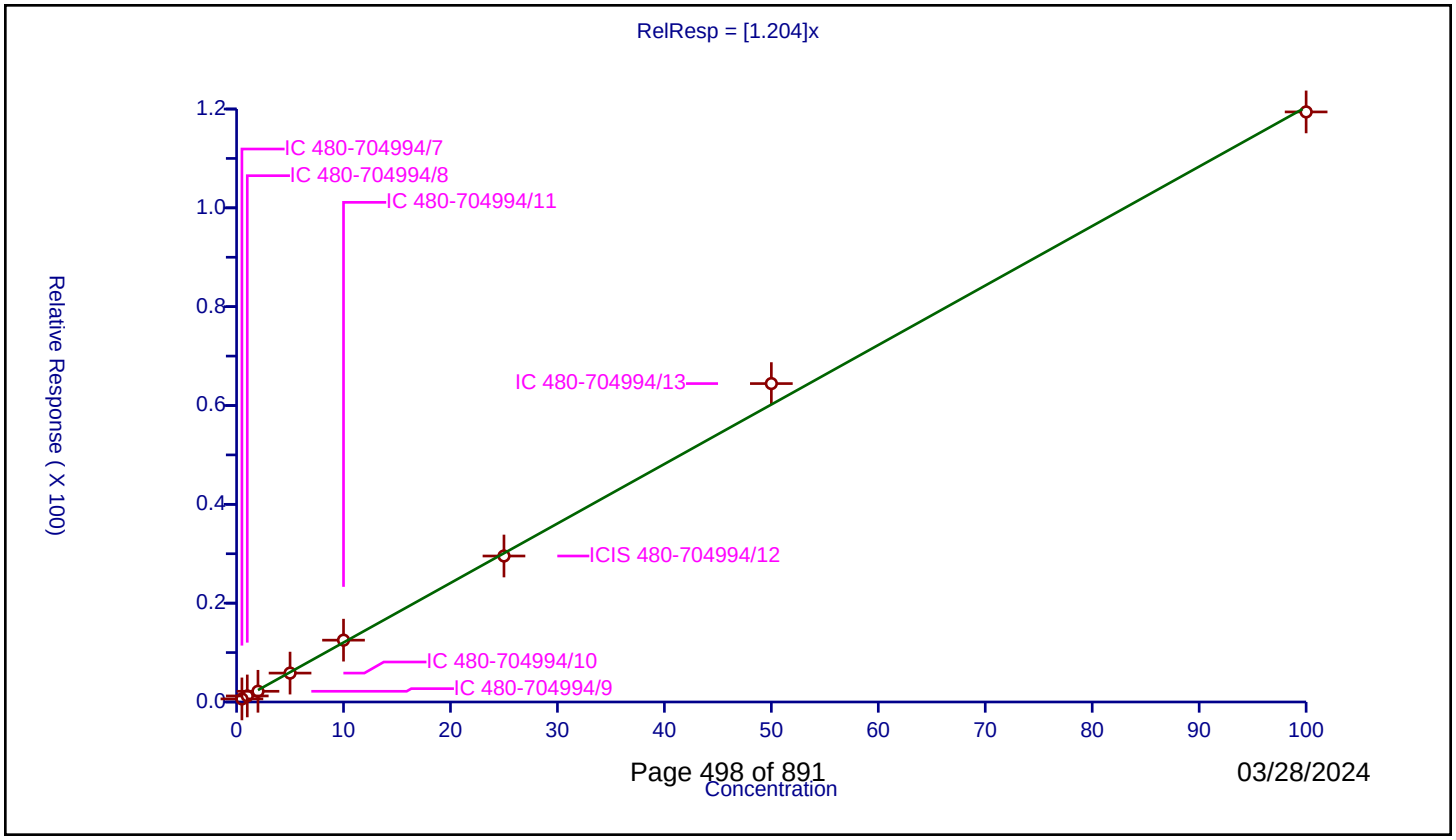
Curve Coefficients

Intercept:	0
Slope:	1.204

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.621624	25.0	211261.0	1.243249	Y
2	IC 480-704994/8	1.0	1.22014	25.0	197211.0	1.22014	Y
3	IC 480-704994/9	2.0	2.165361	25.0	218474.0	1.08268	Y
4	IC 480-704994/10	5.0	5.845799	25.0	216121.0	1.16916	Y
5	IC 480-704994/11	10.0	12.5145	25.0	204311.0	1.25145	Y
6	ICIS 480-704994/12	25.0	29.545882	25.0	218005.0	1.181835	Y
7	IC 480-704994/13	50.0	64.437353	25.0	215126.0	1.288747	Y
8	IC 480-704994/14	100.0	119.412279	25.0	220130.0	1.194123	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

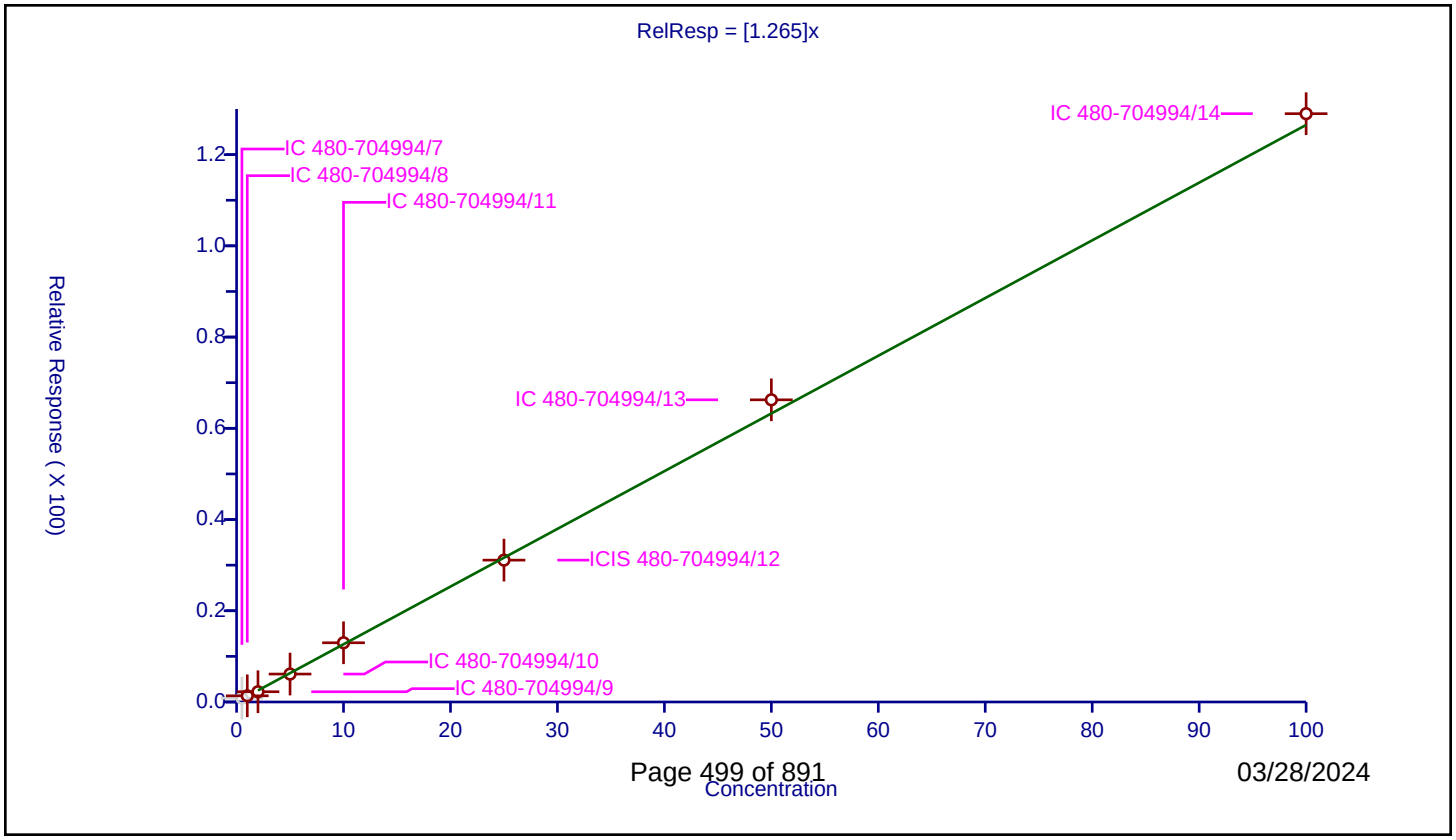
Curve Coefficients

Intercept:	0
Slope:	1.265

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.836879	25.0	211261.0	1.673759	N
2	IC 480-704994/8	1.0	1.350584	25.0	197211.0	1.350584	Y
3	IC 480-704994/9	2.0	2.246949	25.0	218474.0	1.123475	Y
4	IC 480-704994/10	5.0	6.124116	25.0	216121.0	1.224823	Y
5	IC 480-704994/11	10.0	12.978866	25.0	204311.0	1.297887	Y
6	ICIS 480-704994/12	25.0	31.098484	25.0	218005.0	1.243939	Y
7	IC 480-704994/13	50.0	66.246177	25.0	215126.0	1.324924	Y
8	IC 480-704994/14	100.0	128.979126	25.0	220130.0	1.289791	Y



Calibration / 2-Butanone (MEK)

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

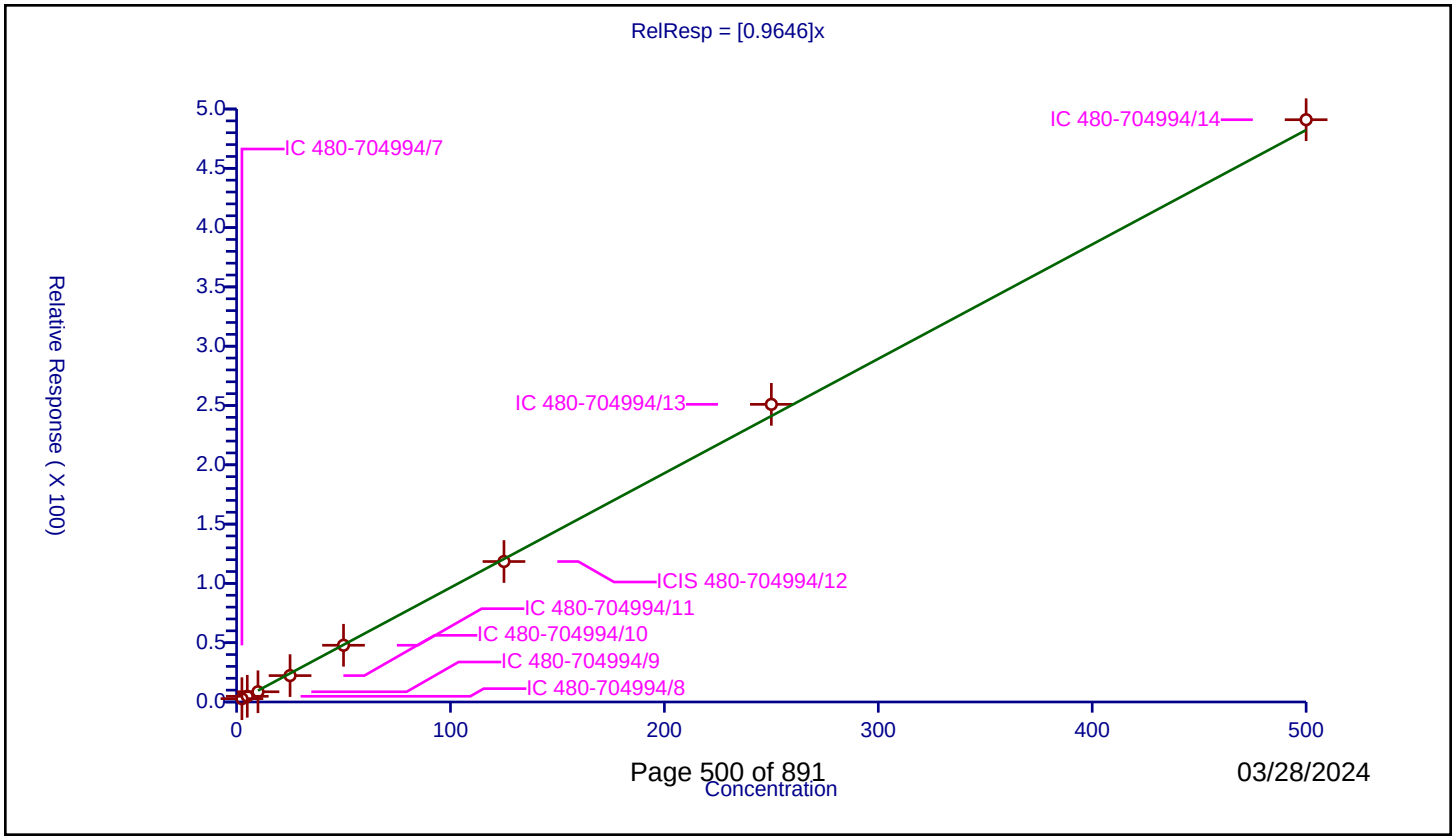
Curve Coefficients

Intercept:	0
Slope:	0.9646

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	2.5	2.790151	25.0	211261.0	1.11606	Y
2	IC 480-704994/8	5.0	4.789413	25.0	197211.0	0.957883	Y
3	IC 480-704994/9	10.0	8.629631	25.0	218474.0	0.862963	Y
4	IC 480-704994/10	25.0	22.25073	25.0	216121.0	0.890029	Y
5	IC 480-704994/11	50.0	47.831492	25.0	204311.0	0.95663	Y
6	ICIS 480-704994/12	125.0	118.432261	25.0	218005.0	0.947458	Y
7	IC 480-704994/13	250.0	250.96304	25.0	215126.0	1.003852	Y
8	IC 480-704994/14	500.0	490.986349	25.0	220130.0	0.981973	Y



Calibration / Chlorobromomethane

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

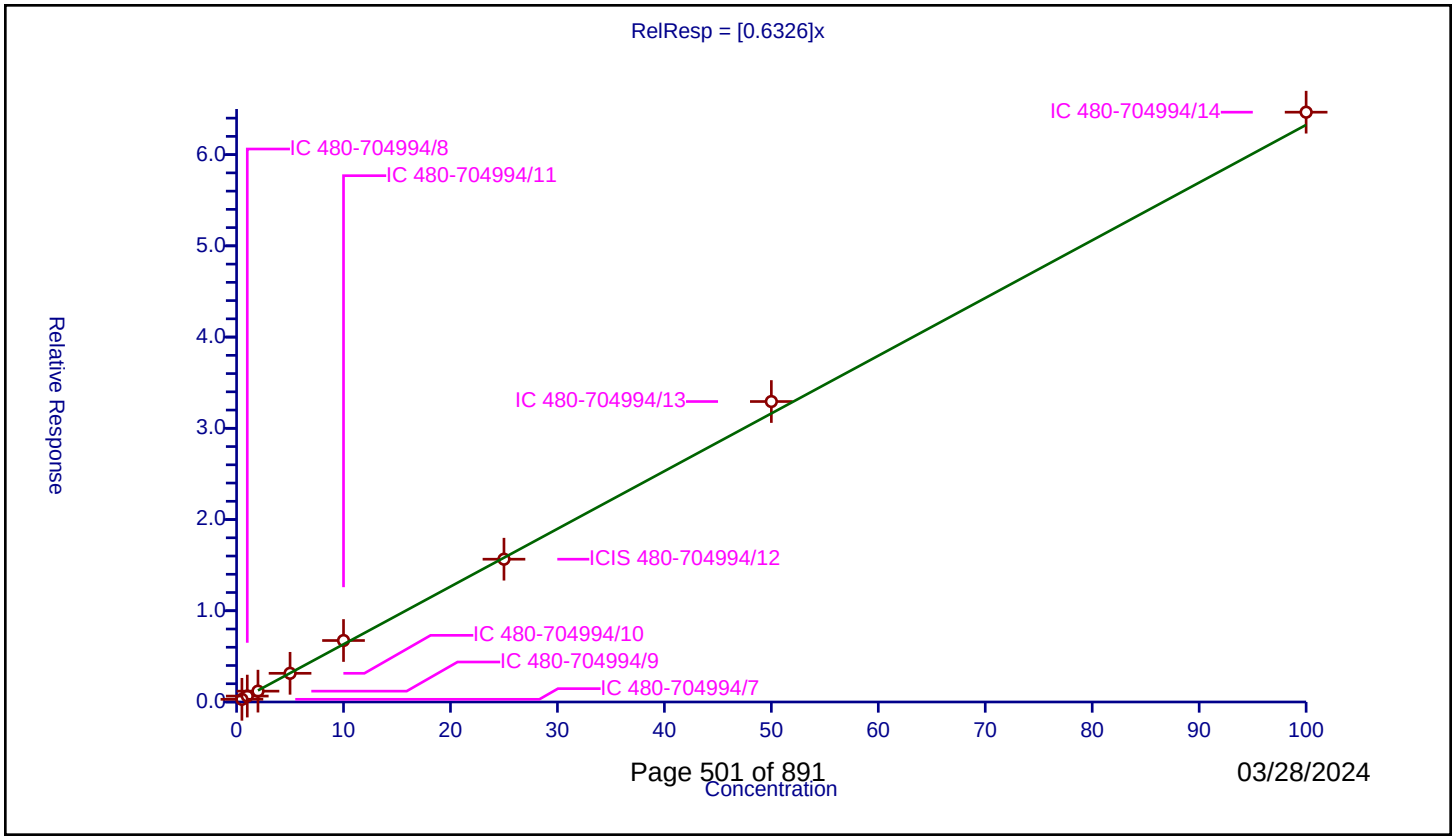
Curve Coefficients

Intercept:	0
Slope:	0.6326

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.292411	25.0	211261.0	0.584822	Y
2	IC 480-704994/8	1.0	0.648417	25.0	197211.0	0.648417	Y
3	IC 480-704994/9	2.0	1.187327	25.0	218474.0	0.593663	Y
4	IC 480-704994/10	5.0	3.143147	25.0	216121.0	0.628629	Y
5	IC 480-704994/11	10.0	6.739358	25.0	204311.0	0.673936	Y
6	ICIS 480-704994/12	25.0	15.651476	25.0	218005.0	0.626059	Y
7	IC 480-704994/13	50.0	32.936744	25.0	215126.0	0.658735	Y
8	IC 480-704994/14	100.0	64.652251	25.0	220130.0	0.646523	Y



Calibration / Tetrahydrofuran

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

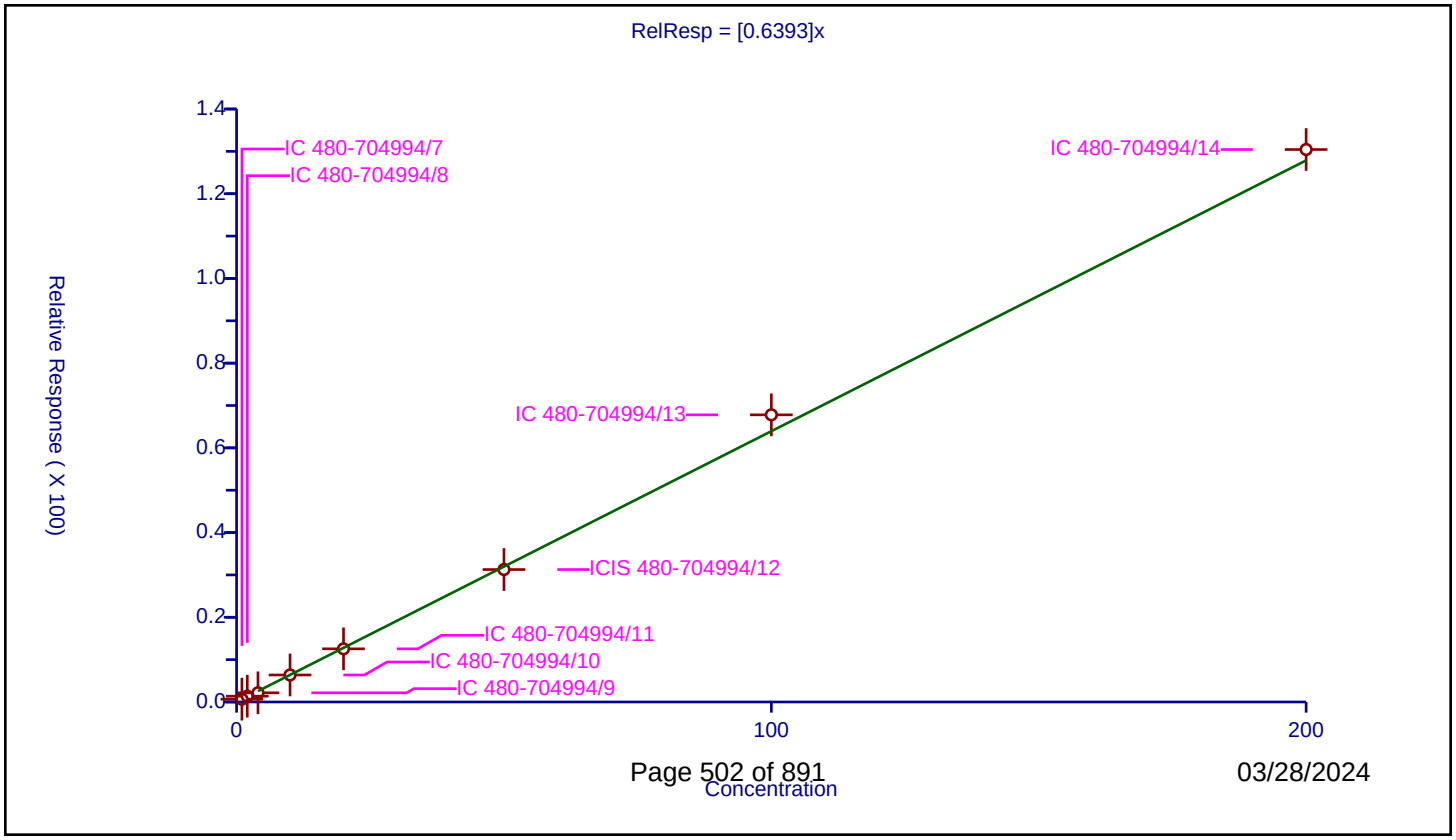
Curve Coefficients

Intercept:	0
Slope:	0.6393

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	1.0	0.666001	25.0	211261.0	0.666001	Y
2	IC 480-704994/8	2.0	1.370486	25.0	197211.0	0.685243	Y
3	IC 480-704994/9	4.0	2.170052	25.0	218474.0	0.542513	Y
4	IC 480-704994/10	10.0	6.377099	25.0	216121.0	0.63771	Y
5	IC 480-704994/11	20.0	12.550719	25.0	204311.0	0.627536	Y
6	ICIS 480-704994/12	50.0	31.267517	25.0	218005.0	0.62535	Y
7	IC 480-704994/13	100.0	67.800847	25.0	215126.0	0.678008	Y
8	IC 480-704994/14	200.0	130.437469	25.0	220130.0	0.652187	Y



Calibration / Chloroform

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

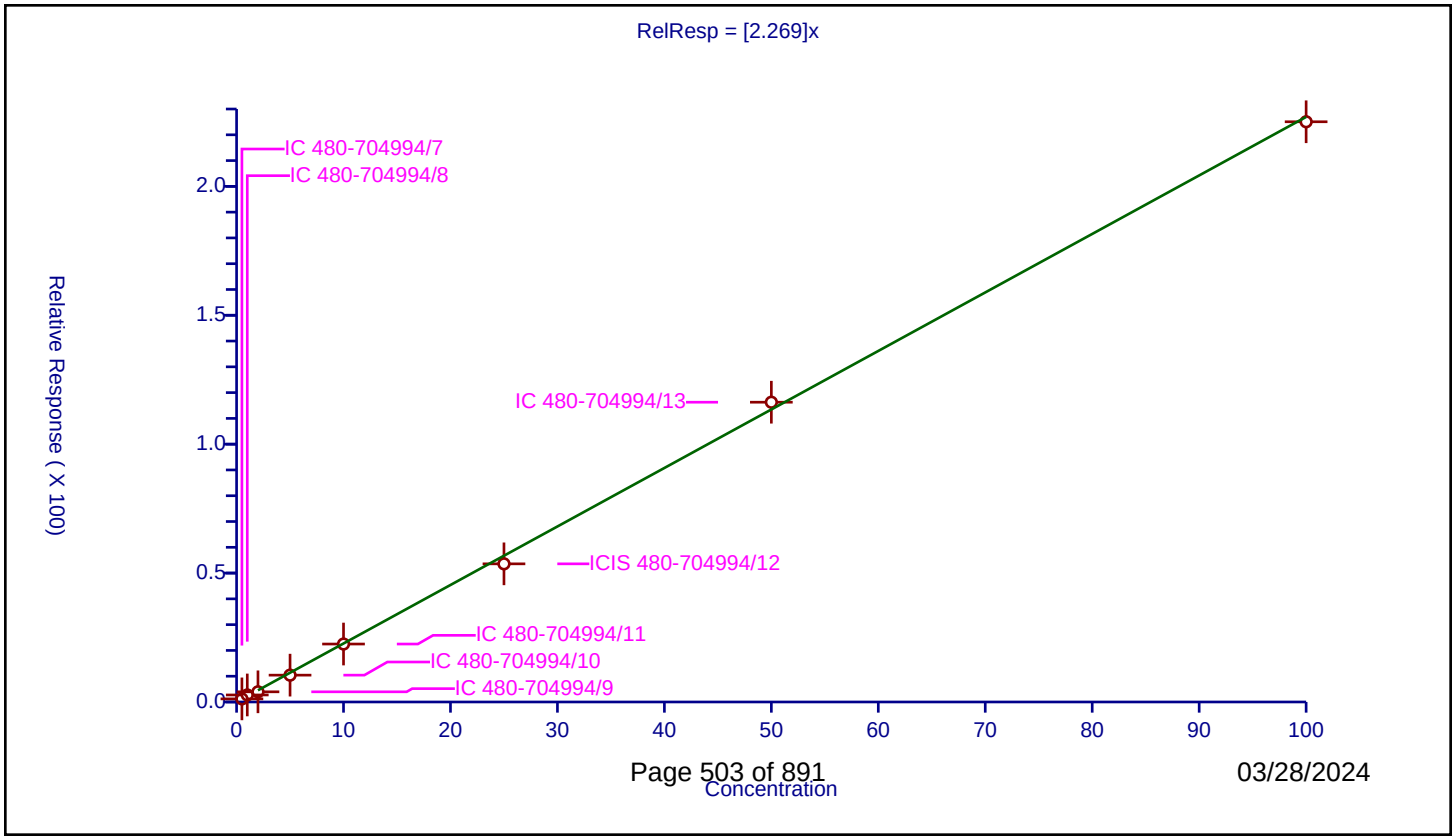
Curve Coefficients

Intercept:	0
Slope:	2.269

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	1.201713	25.0	211261.0	2.403425	Y
2	IC 480-704994/8	1.0	2.729057	25.0	197211.0	2.729057	Y
3	IC 480-704994/9	2.0	3.944062	25.0	218474.0	1.972031	Y
4	IC 480-704994/10	5.0	10.412223	25.0	216121.0	2.082445	Y
5	IC 480-704994/11	10.0	22.481903	25.0	204311.0	2.24819	Y
6	ICIS 480-704994/12	25.0	53.586042	25.0	218005.0	2.143442	Y
7	IC 480-704994/13	50.0	116.271743	25.0	215126.0	2.325435	Y
8	IC 480-704994/14	100.0	225.0544	25.0	220130.0	2.250544	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

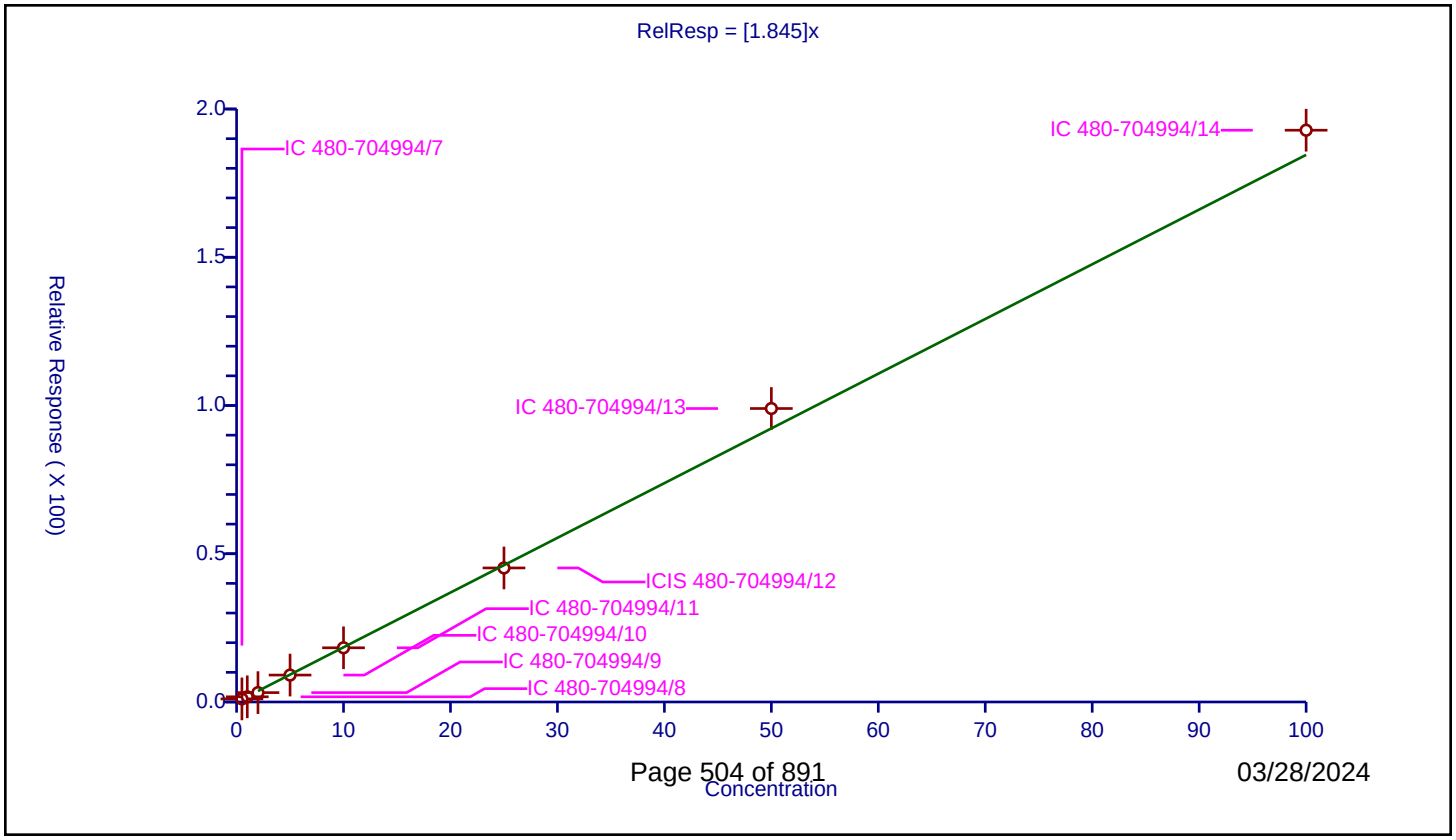
Curve Coefficients

Intercept:	0
Slope:	1.845

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	1.035212	25.0	211261.0	2.070425	Y
2	IC 480-704994/8	1.0	1.751677	25.0	197211.0	1.751677	Y
3	IC 480-704994/9	2.0	3.162504	25.0	218474.0	1.581252	Y
4	IC 480-704994/10	5.0	9.075472	25.0	216121.0	1.815094	Y
5	IC 480-704994/11	10.0	18.278384	25.0	204311.0	1.827838	Y
6	ICIS 480-704994/12	25.0	45.207564	25.0	218005.0	1.808303	Y
7	IC 480-704994/13	50.0	98.983503	25.0	215126.0	1.97967	Y
8	IC 480-704994/14	100.0	192.850929	25.0	220130.0	1.928509	Y



Calibration / Cyclohexane

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

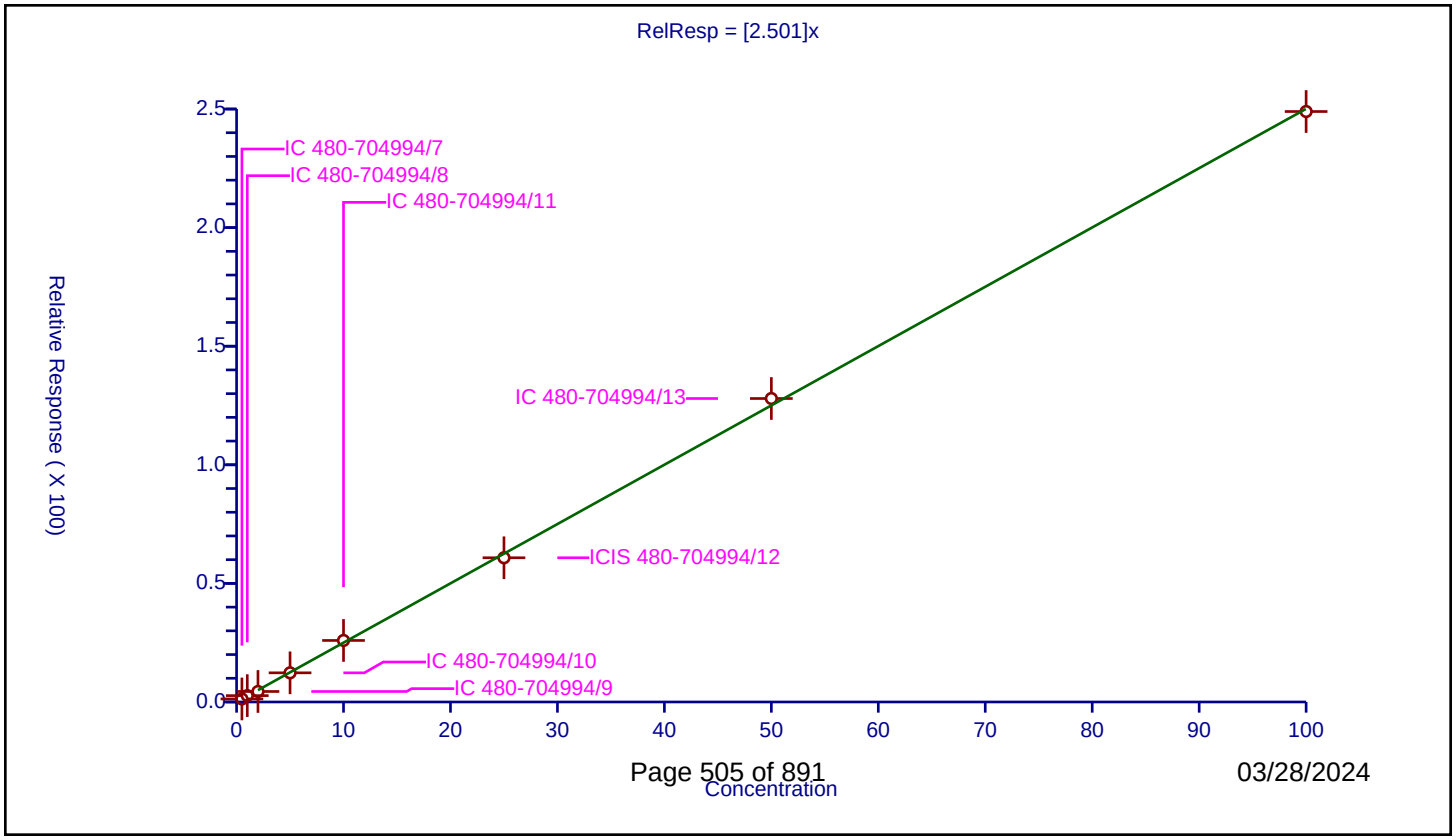
Curve Coefficients

Intercept:	0
Slope:	2.501

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	1.289282	25.0	211261.0	2.578564	Y
2	IC 480-704994/8	1.0	2.678476	25.0	197211.0	2.678476	Y
3	IC 480-704994/9	2.0	4.428559	25.0	218474.0	2.21428	Y
4	IC 480-704994/10	5.0	12.297856	25.0	216121.0	2.459571	Y
5	IC 480-704994/11	10.0	25.943415	25.0	204311.0	2.594341	Y
6	ICIS 480-704994/12	25.0	60.802849	25.0	218005.0	2.432114	Y
7	IC 480-704994/13	50.0	127.943624	25.0	215126.0	2.558872	Y
8	IC 480-704994/14	100.0	248.946304	25.0	220130.0	2.489463	Y



Calibration / Dibromofluoromethane (Surr)

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

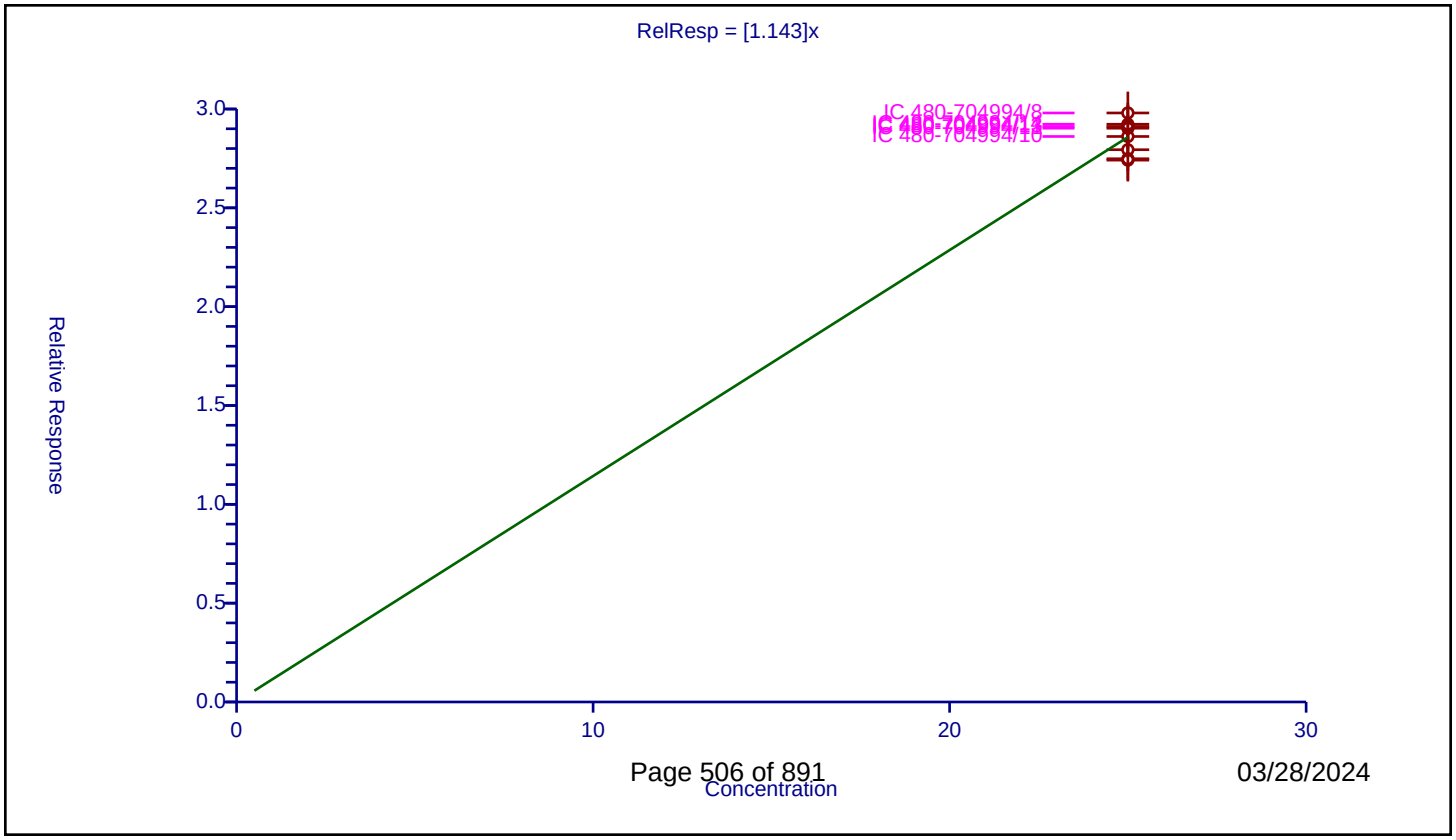
Curve Coefficients

Intercept:	0
Slope:	1.143

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	25.0	27.413957	25.0	211261.0	1.096558	Y
2	IC 480-704994/8	25.0	29.800822	25.0	197211.0	1.192033	Y
3	IC 480-704994/9	25.0	27.941197	25.0	218474.0	1.117648	Y
4	IC 480-704994/10	25.0	28.610593	25.0	216121.0	1.144424	Y
5	IC 480-704994/11	25.0	29.029029	25.0	204311.0	1.161161	Y
6	ICIS 480-704994/12	25.0	27.483544	25.0	218005.0	1.099342	Y
7	IC 480-704994/13	25.0	29.113287	25.0	215126.0	1.164531	Y
8	IC 480-704994/14	25.0	29.22966	25.0	220130.0	1.169186	Y



Calibration / Carbon tetrachloride

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

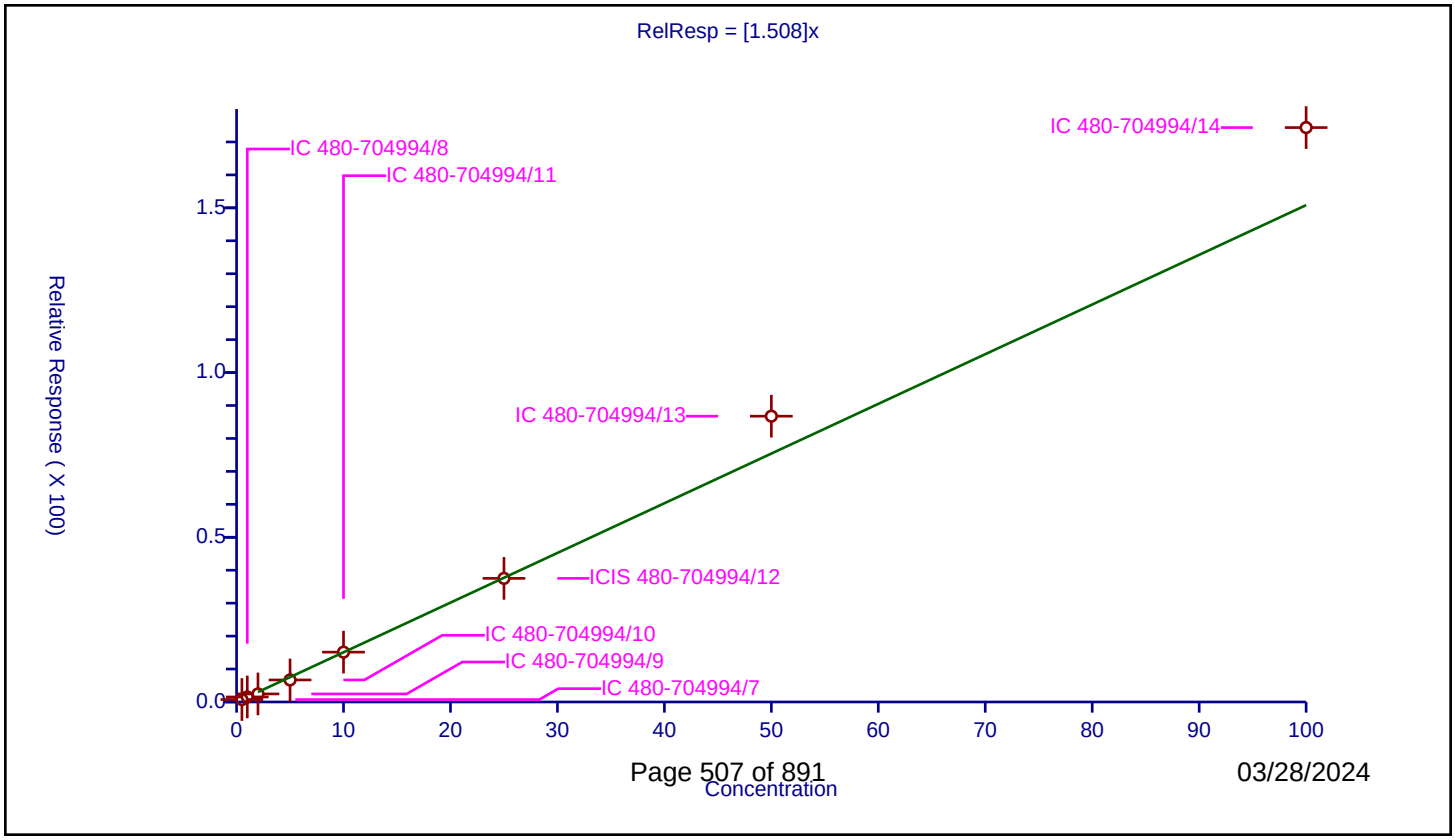
Curve Coefficients

Intercept:	0
Slope:	1.508

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.741382	25.0	211261.0	1.482763	Y
2	IC 480-704994/8	1.0	1.526538	25.0	197211.0	1.526538	Y
3	IC 480-704994/9	2.0	2.449147	25.0	218474.0	1.224574	Y
4	IC 480-704994/10	5.0	6.692547	25.0	216121.0	1.338509	Y
5	IC 480-704994/11	10.0	15.132078	25.0	204311.0	1.513208	Y
6	ICIS 480-704994/12	25.0	37.519782	25.0	218005.0	1.500791	Y
7	IC 480-704994/13	50.0	86.754507	25.0	215126.0	1.73509	Y
8	IC 480-704994/14	100.0	174.368441	25.0	220130.0	1.743684	Y



Calibration / 1,1-Dichloropropene

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

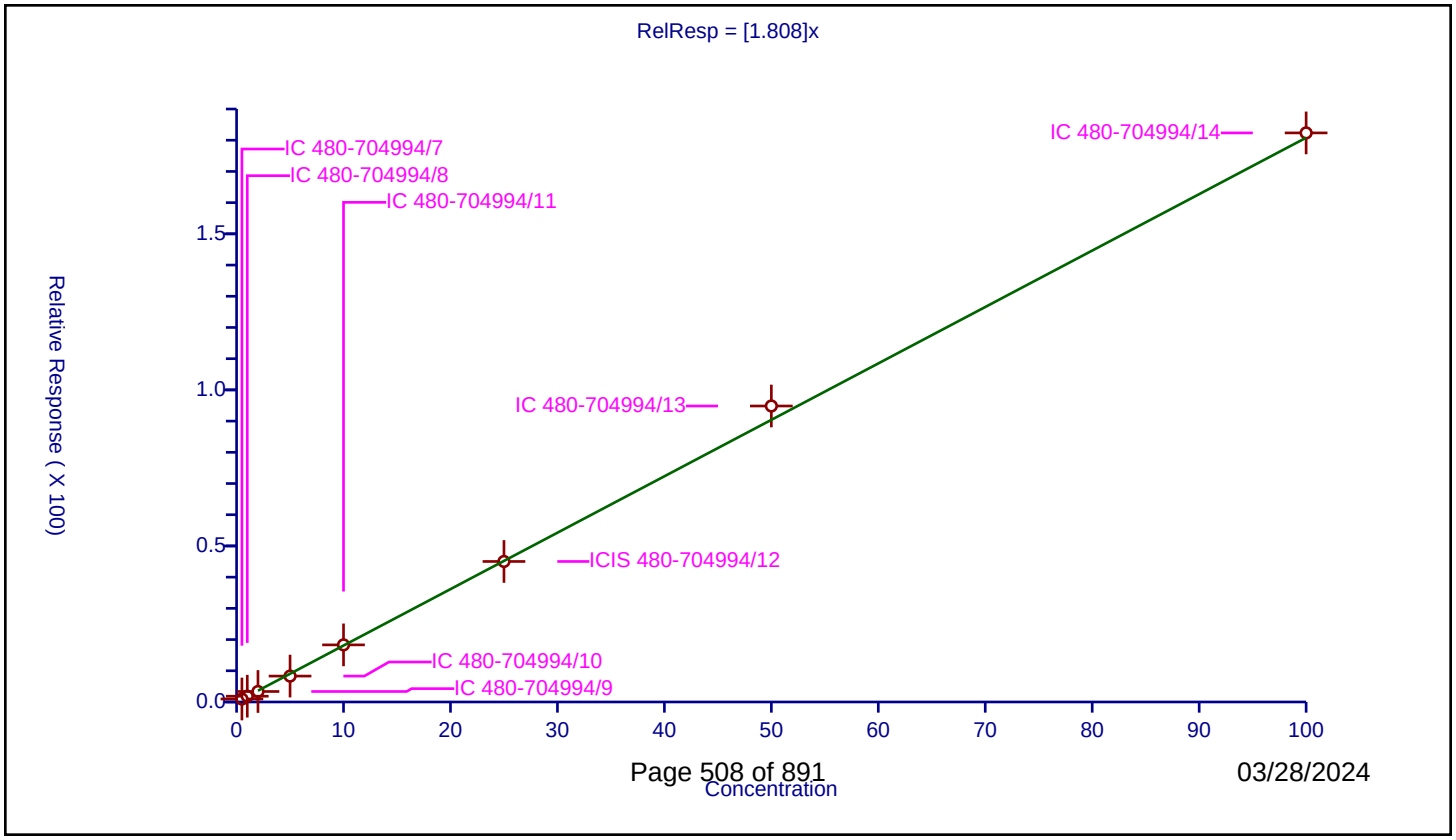
Curve Coefficients

Intercept:	0
Slope:	1.808

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.961015	25.0	211261.0	1.92203	Y
2	IC 480-704994/8	1.0	1.846753	25.0	197211.0	1.846753	Y
3	IC 480-704994/9	2.0	3.366419	25.0	218474.0	1.683209	Y
4	IC 480-704994/10	5.0	8.304376	25.0	216121.0	1.660875	Y
5	IC 480-704994/11	10.0	18.298452	25.0	204311.0	1.829845	Y
6	ICIS 480-704994/12	25.0	45.027064	25.0	218005.0	1.801083	Y
7	IC 480-704994/13	50.0	94.843836	25.0	215126.0	1.896877	Y
8	IC 480-704994/14	100.0	182.343502	25.0	220130.0	1.823435	Y



Calibration / Benzene

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

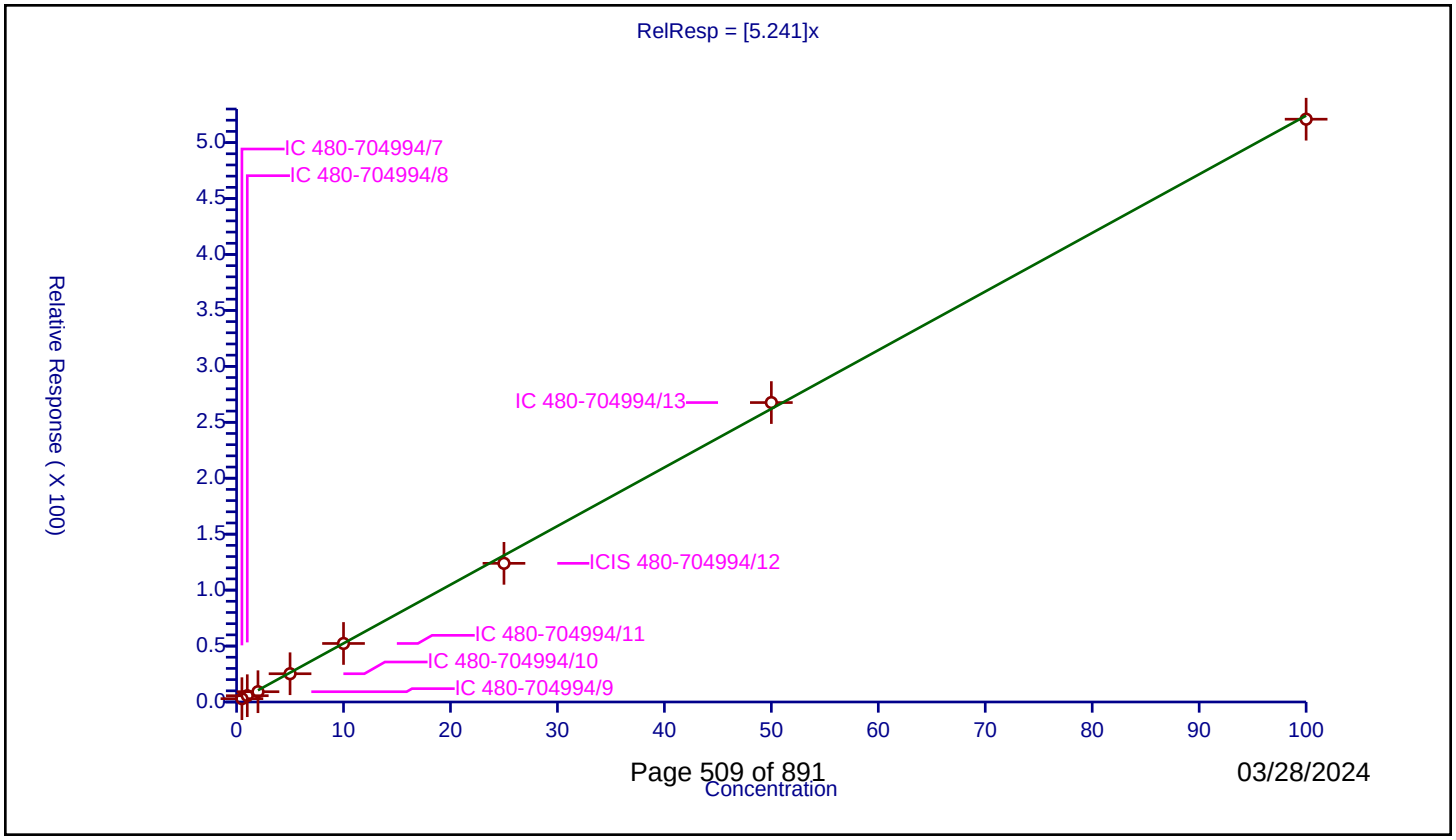
Curve Coefficients

Intercept:	0
Slope:	5.241

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	2.956887	25.0	211261.0	5.913775	Y
2	IC 480-704994/8	1.0	5.624433	25.0	197211.0	5.624433	Y
3	IC 480-704994/9	2.0	9.177751	25.0	218474.0	4.588876	Y
4	IC 480-704994/10	5.0	25.243267	25.0	216121.0	5.048653	Y
5	IC 480-704994/11	10.0	52.311305	25.0	204311.0	5.23113	Y
6	ICIS 480-704994/12	25.0	123.918947	25.0	218005.0	4.956758	Y
7	IC 480-704994/13	50.0	267.637338	25.0	215126.0	5.352747	Y
8	IC 480-704994/14	100.0	520.897424	25.0	220130.0	5.208974	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

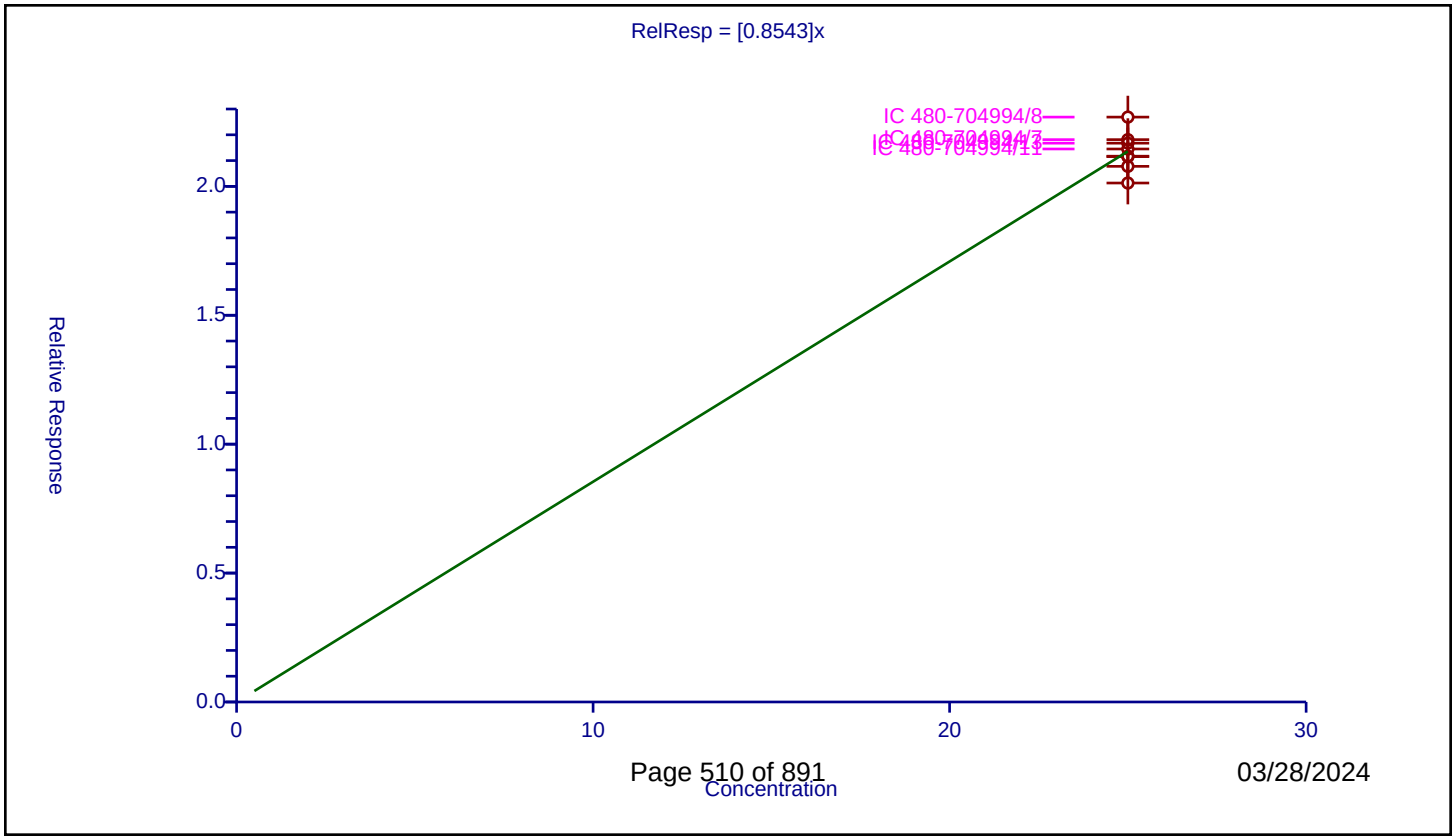
Curve Coefficients

Intercept:	0
Slope:	0.8543

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	25.0	21.812592	25.0	211261.0	0.872504	Y
2	IC 480-704994/8	25.0	22.686108	25.0	197211.0	0.907444	Y
3	IC 480-704994/9	25.0	20.7765	25.0	218474.0	0.83106	Y
4	IC 480-704994/10	25.0	21.170664	25.0	216121.0	0.846827	Y
5	IC 480-704994/11	25.0	21.45002	25.0	204311.0	0.858001	Y
6	ICIS 480-704994/12	25.0	20.130043	25.0	218005.0	0.805202	Y
7	IC 480-704994/13	25.0	21.674507	25.0	215126.0	0.86698	Y
8	IC 480-704994/14	25.0	21.152274	25.0	220130.0	0.846091	Y



Calibration / Isobutyl alcohol

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

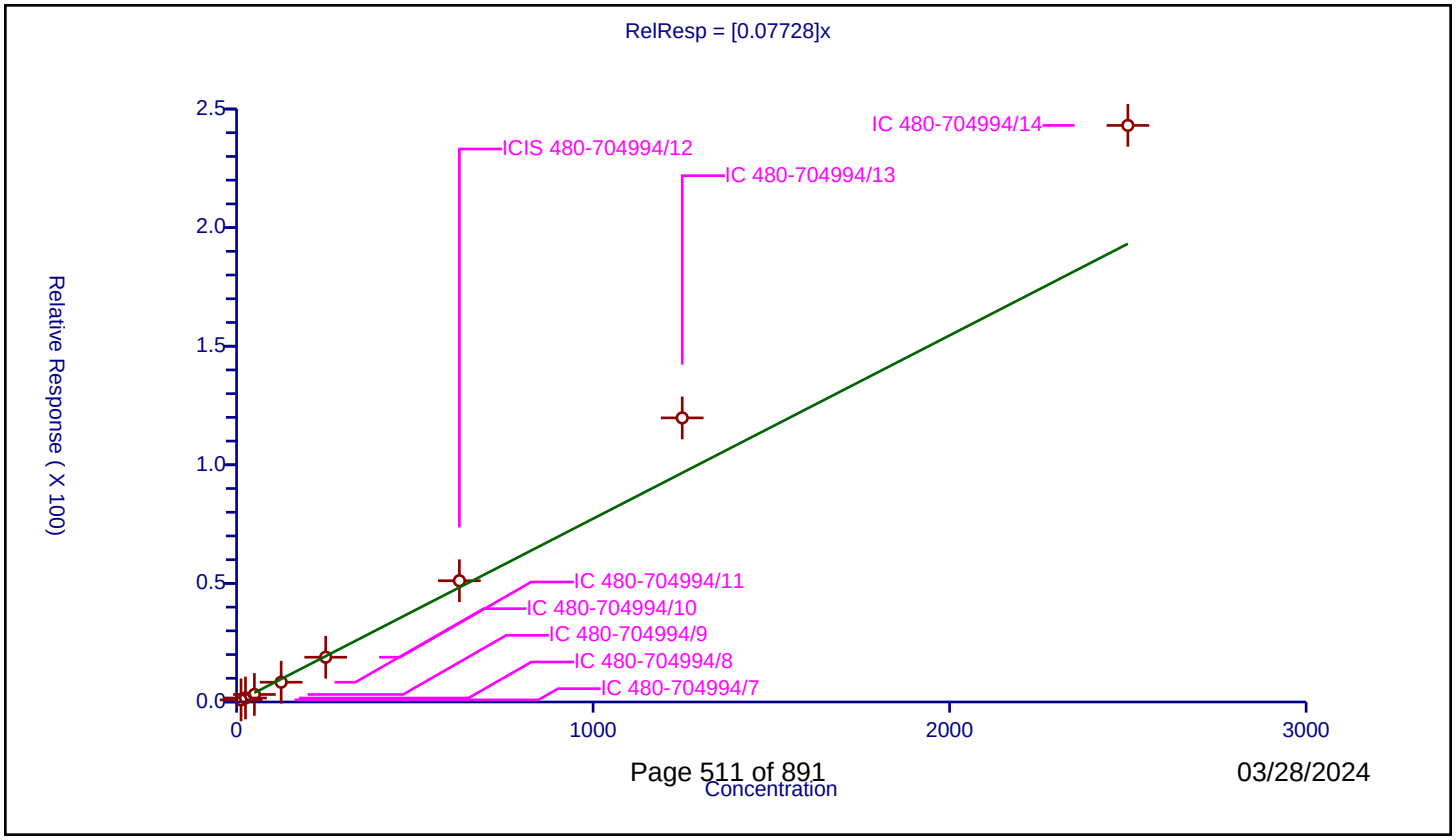
Curve Coefficients

Intercept:	0
Slope:	0.07728

Error Coefficients

Relative Standard Deviation:	17.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	12.5	0.881019	25.0	211261.0	0.070482	Y
2	IC 480-704994/8	25.0	1.681448	25.0	197211.0	0.067258	Y
3	IC 480-704994/9	50.0	3.168913	25.0	218474.0	0.063378	Y
4	IC 480-704994/10	125.0	8.341508	25.0	216121.0	0.066732	Y
5	IC 480-704994/11	250.0	18.874167	25.0	204311.0	0.075497	Y
6	ICIS 480-704994/12	625.0	51.124057	25.0	218005.0	0.081798	Y
7	IC 480-704994/13	1250.0	119.776317	25.0	215126.0	0.095821	Y
8	IC 480-704994/14	2500.0	243.088629	25.0	220130.0	0.097235	Y



Calibration / 1,2-Dichloroethane

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

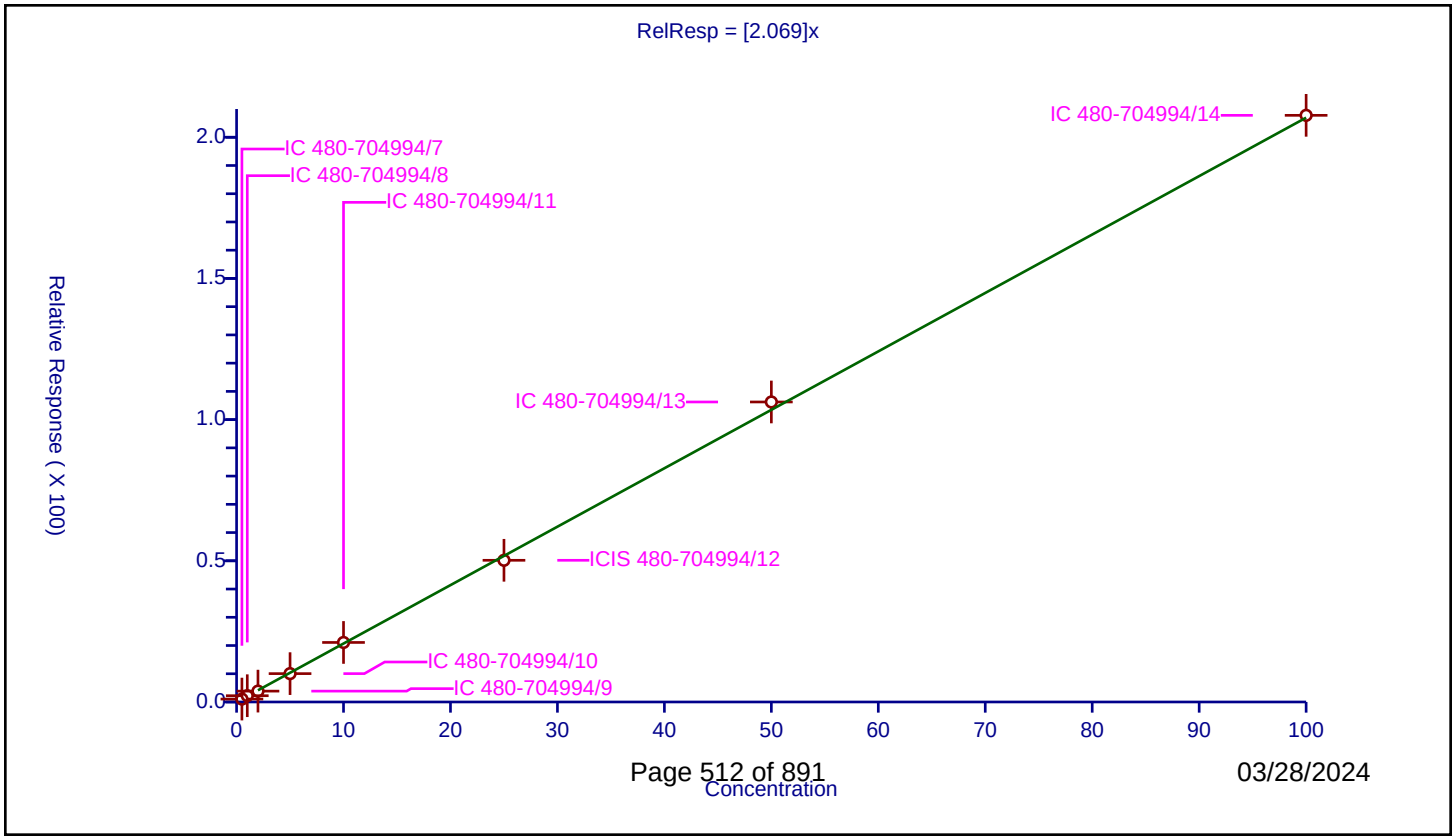
Curve Coefficients

Intercept:	0
Slope:	2.069

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	1.037697	25.0	211261.0	2.075395	Y
2	IC 480-704994/8	1.0	2.226803	25.0	197211.0	2.226803	Y
3	IC 480-704994/9	2.0	3.851145	25.0	218474.0	1.925572	Y
4	IC 480-704994/10	5.0	10.044952	25.0	216121.0	2.00899	Y
5	IC 480-704994/11	10.0	21.079873	25.0	204311.0	2.107987	Y
6	ICIS 480-704994/12	25.0	50.178092	25.0	218005.0	2.007124	Y
7	IC 480-704994/13	50.0	106.251569	25.0	215126.0	2.125031	Y
8	IC 480-704994/14	100.0	207.760528	25.0	220130.0	2.077605	Y



Calibration / n-Heptane

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

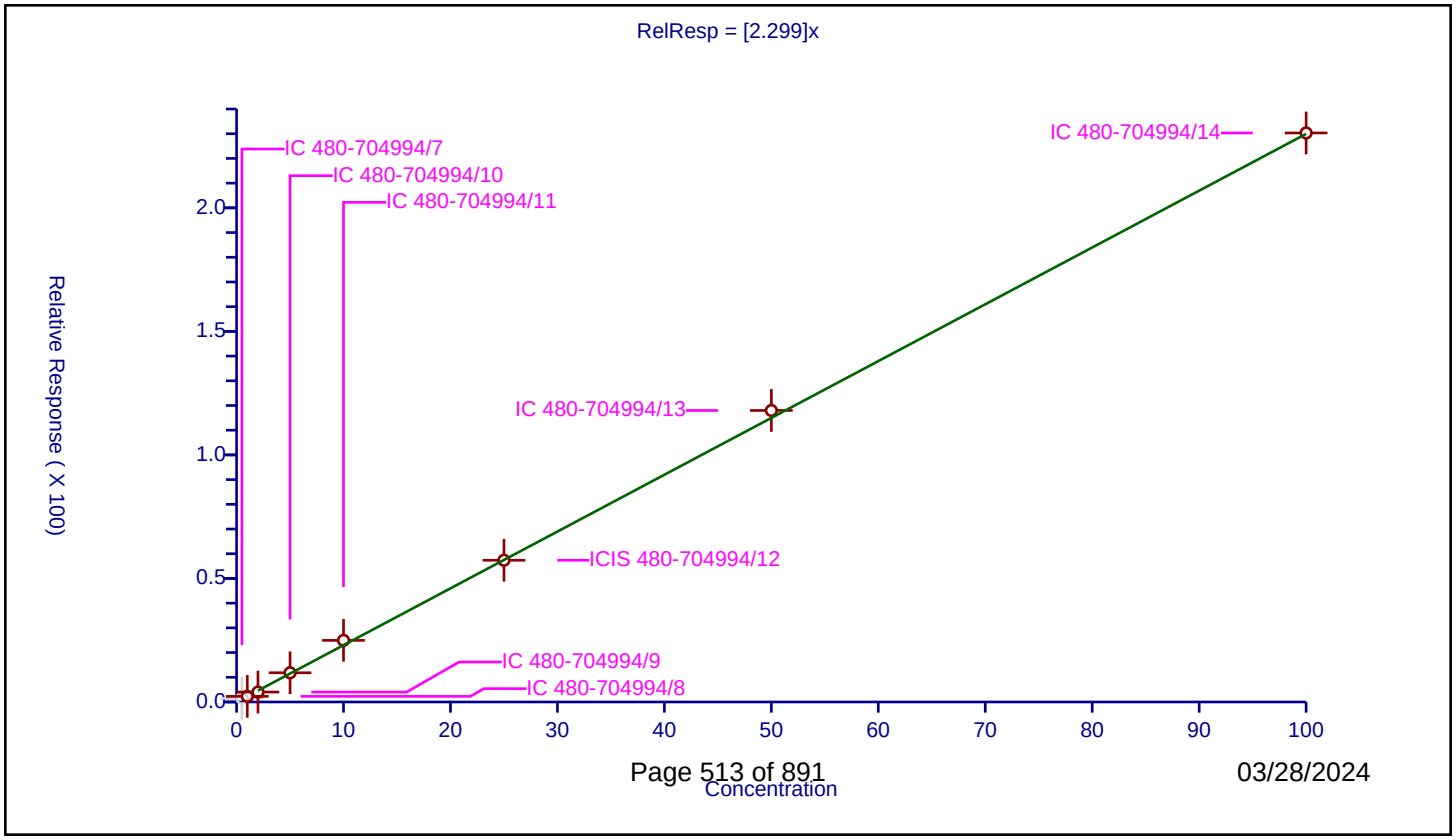
Curve Coefficients

Intercept:	0
Slope:	2.299

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	1.498265	25.0	211261.0	2.99653	N
2	IC 480-704994/8	1.0	2.270411	25.0	197211.0	2.270411	Y
3	IC 480-704994/9	2.0	4.017869	25.0	218474.0	2.008935	Y
4	IC 480-704994/10	5.0	11.82694	25.0	216121.0	2.365388	Y
5	IC 480-704994/11	10.0	24.938329	25.0	204311.0	2.493833	Y
6	ICIS 480-704994/12	25.0	57.359808	25.0	218005.0	2.294392	Y
7	IC 480-704994/13	50.0	117.993525	25.0	215126.0	2.35987	Y
8	IC 480-704994/14	100.0	230.309703	25.0	220130.0	2.303097	Y



Calibration / Trichloroethene

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

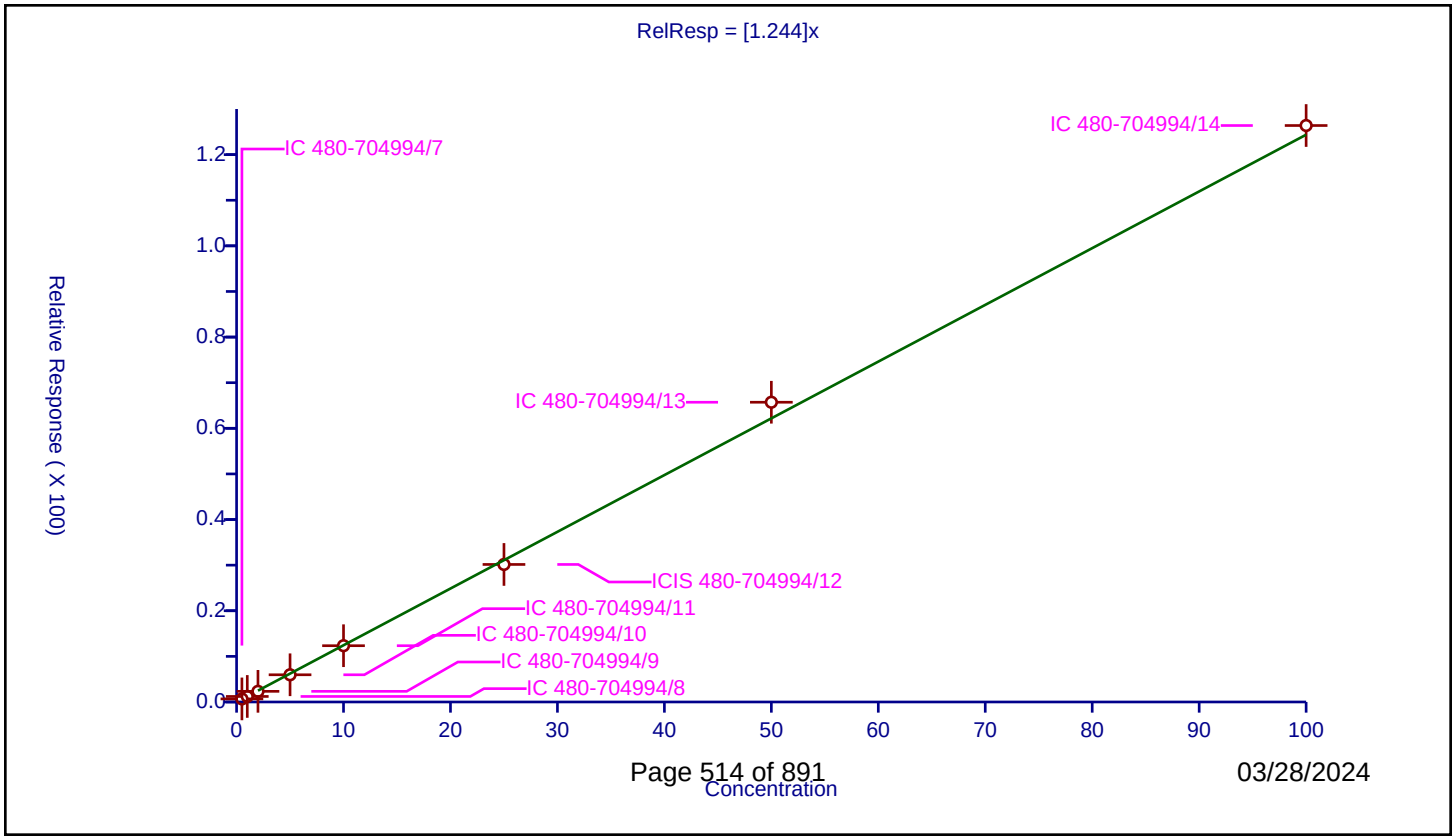
Curve Coefficients

Intercept:	0
Slope:	1.244

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.677598	25.0	211261.0	1.355196	Y
2	IC 480-704994/8	1.0	1.215957	25.0	197211.0	1.215957	Y
3	IC 480-704994/9	2.0	2.334031	25.0	218474.0	1.167015	Y
4	IC 480-704994/10	5.0	5.964483	25.0	216121.0	1.192897	Y
5	IC 480-704994/11	10.0	12.341112	25.0	204311.0	1.234111	Y
6	ICIS 480-704994/12	25.0	30.150341	25.0	218005.0	1.206014	Y
7	IC 480-704994/13	50.0	65.71486	25.0	215126.0	1.314297	Y
8	IC 480-704994/14	100.0	126.382138	25.0	220130.0	1.263821	Y



Calibration / Methylcyclohexane

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

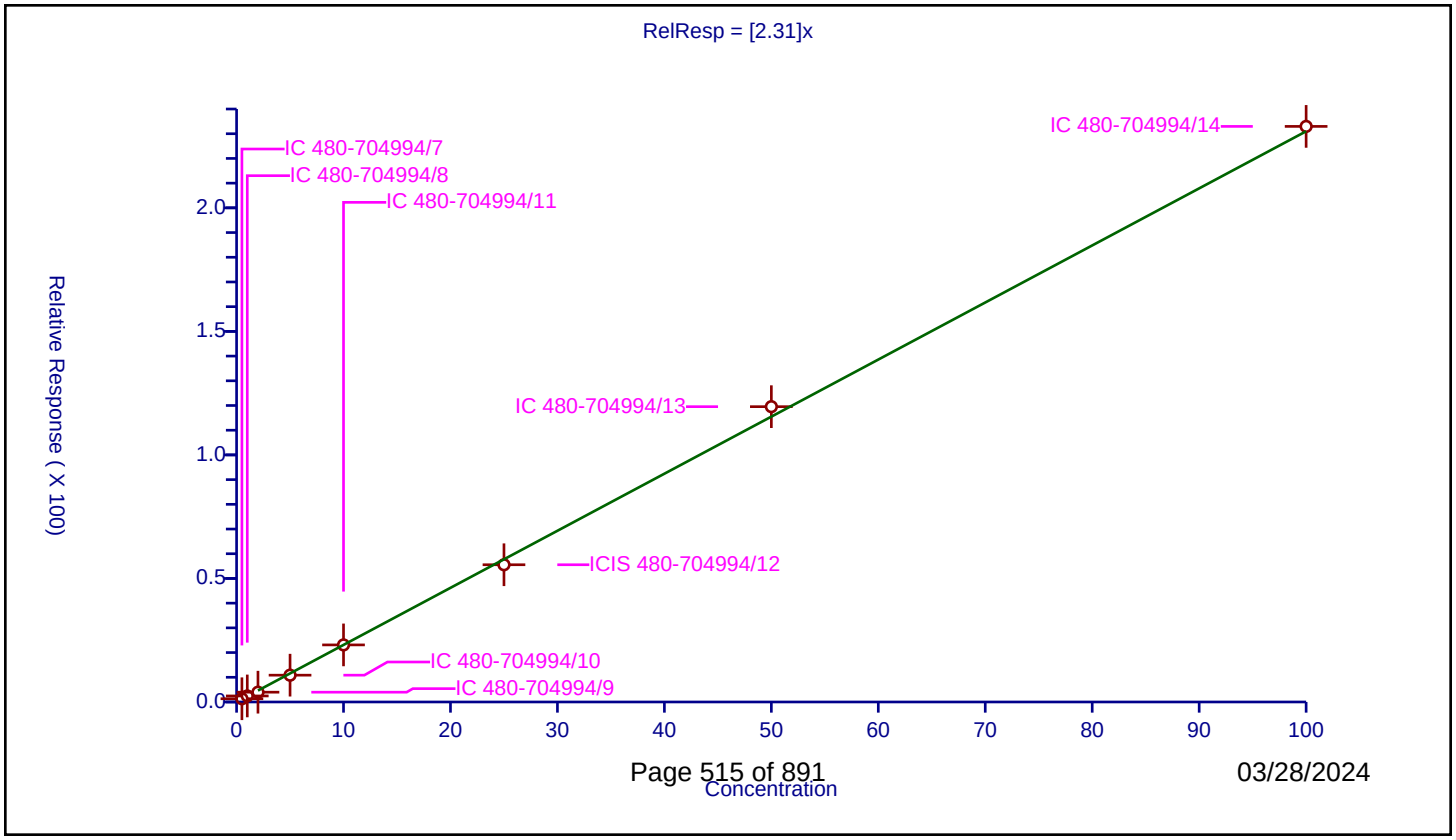
Curve Coefficients

Intercept:	0
Slope:	2.31

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	1.315316	25.0	211261.0	2.630632	Y
2	IC 480-704994/8	1.0	2.442181	25.0	197211.0	2.442181	Y
3	IC 480-704994/9	2.0	3.966261	25.0	218474.0	1.983131	Y
4	IC 480-704994/10	5.0	10.849246	25.0	216121.0	2.169849	Y
5	IC 480-704994/11	10.0	23.10228	25.0	204311.0	2.310228	Y
6	ICIS 480-704994/12	25.0	55.550217	25.0	218005.0	2.222009	Y
7	IC 480-704994/13	50.0	119.528323	25.0	215126.0	2.390566	Y
8	IC 480-704994/14	100.0	232.959842	25.0	220130.0	2.329598	Y



Calibration / 1,2-Dichloropropane

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

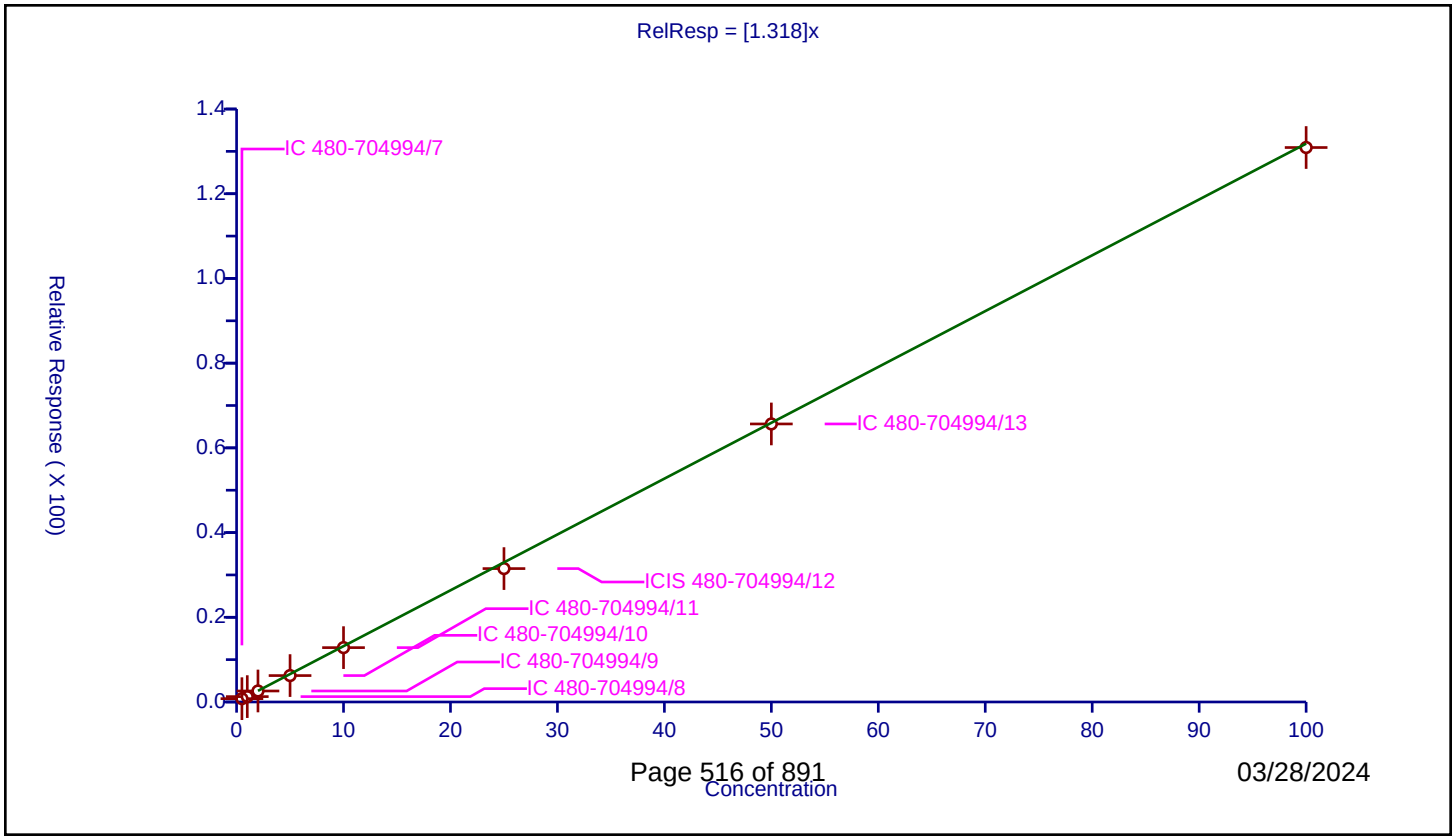
Curve Coefficients

Intercept:	0
Slope:	1.318

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.785403	25.0	211261.0	1.570806	Y
2	IC 480-704994/8	1.0	1.265649	25.0	197211.0	1.265649	Y
3	IC 480-704994/9	2.0	2.595847	25.0	218474.0	1.297923	Y
4	IC 480-704994/10	5.0	6.235396	25.0	216121.0	1.247079	Y
5	IC 480-704994/11	10.0	12.831419	25.0	204311.0	1.283142	Y
6	ICIS 480-704994/12	25.0	31.495608	25.0	218005.0	1.259824	Y
7	IC 480-704994/13	50.0	65.643042	25.0	215126.0	1.312861	Y
8	IC 480-704994/14	100.0	130.90685	25.0	220130.0	1.309069	Y



Calibration / Dibromomethane

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

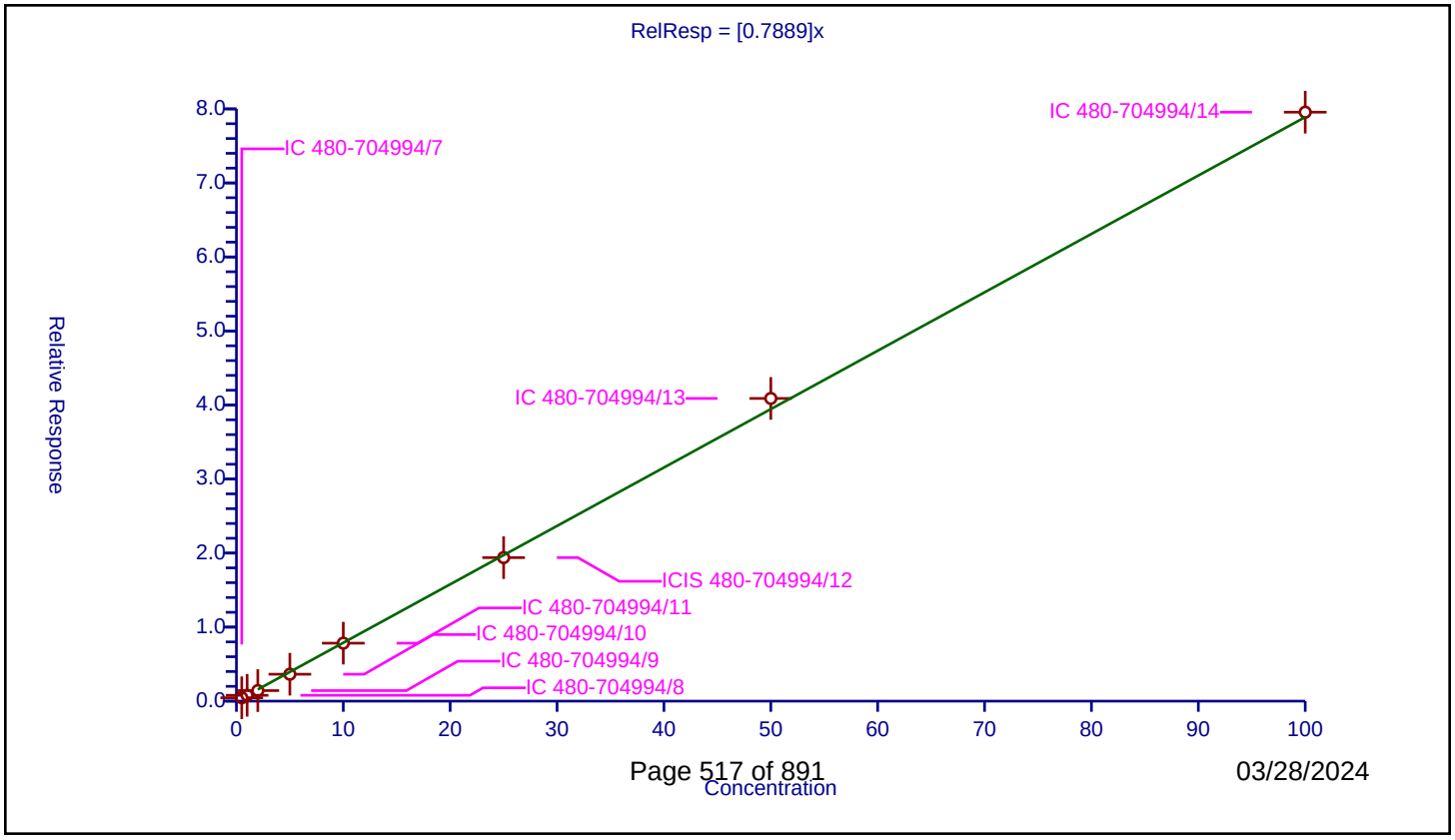
Curve Coefficients

Intercept:	0
Slope:	0.7889

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.456071	25.0	211261.0	0.912142	Y
2	IC 480-704994/8	1.0	0.788876	25.0	197211.0	0.788876	Y
3	IC 480-704994/9	2.0	1.422938	25.0	218474.0	0.711469	Y
4	IC 480-704994/10	5.0	3.634538	25.0	216121.0	0.726908	Y
5	IC 480-704994/11	10.0	7.831199	25.0	204311.0	0.78312	Y
6	ICIS 480-704994/12	25.0	19.384991	25.0	218005.0	0.7754	Y
7	IC 480-704994/13	50.0	40.888014	25.0	215126.0	0.81776	Y
8	IC 480-704994/14	100.0	79.558897	25.0	220130.0	0.795589	Y



Calibration / 1,4-Dioxane

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

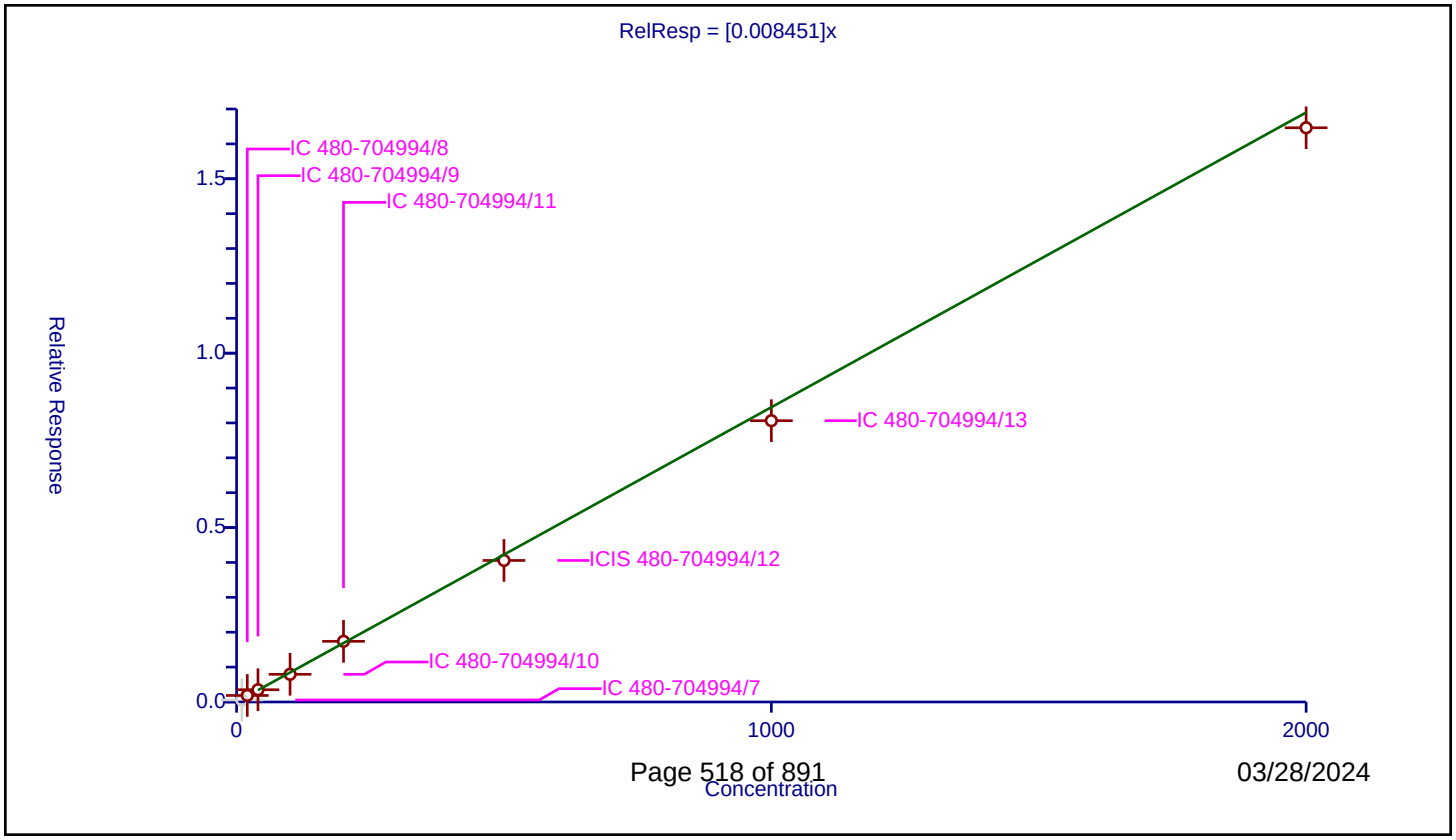
Curve Coefficients

Intercept:	0
Slope:	0.008451

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	10.0	0.058628	25.0	409358.0	0.005863	N
2	IC 480-704994/8	20.0	0.186672	25.0	399766.0	0.009334	Y
3	IC 480-704994/9	40.0	0.351043	25.0	418182.0	0.008776	Y
4	IC 480-704994/10	100.0	0.793664	25.0	423290.0	0.007937	Y
5	IC 480-704994/11	200.0	1.73937	25.0	406426.0	0.008697	Y
6	ICIS 480-704994/12	500.0	4.057622	25.0	424442.0	0.008115	Y
7	IC 480-704994/13	1000.0	8.064117	25.0	424256.0	0.008064	Y
8	IC 480-704994/14	2000.0	16.462287	25.0	445128.0	0.008231	Y



Calibration / Dichlorobromomethane

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

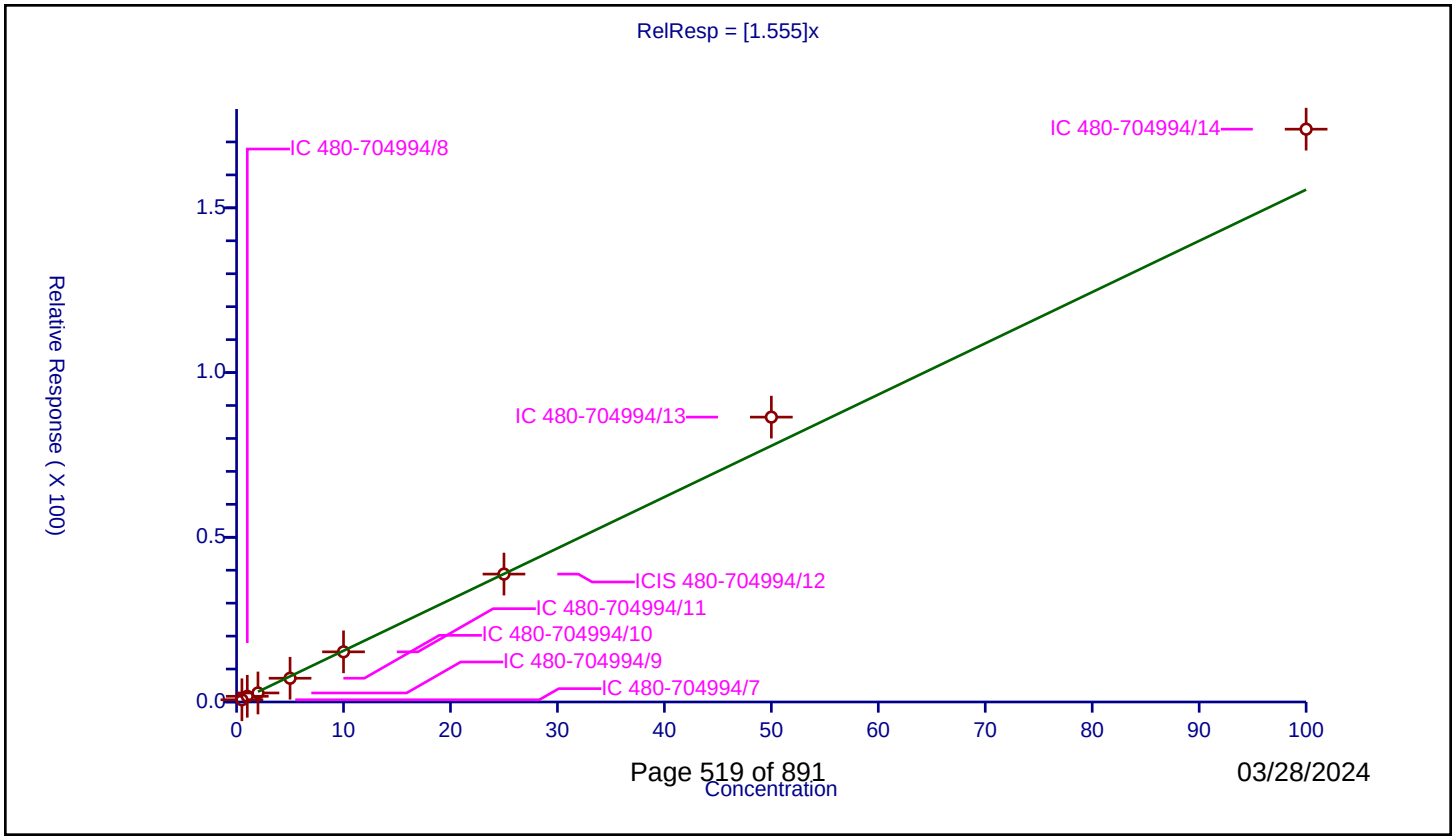
Curve Coefficients

Intercept:	0
Slope:	1.555

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.677243	25.0	211261.0	1.354486	Y
2	IC 480-704994/8	1.0	1.730887	25.0	197211.0	1.730887	Y
3	IC 480-704994/9	2.0	2.742203	25.0	218474.0	1.371101	Y
4	IC 480-704994/10	5.0	7.210081	25.0	216121.0	1.442016	Y
5	IC 480-704994/11	10.0	15.219445	25.0	204311.0	1.521944	Y
6	ICIS 480-704994/12	25.0	38.830302	25.0	218005.0	1.553212	Y
7	IC 480-704994/13	50.0	86.4756	25.0	215126.0	1.729512	Y
8	IC 480-704994/14	100.0	173.877027	25.0	220130.0	1.73877	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

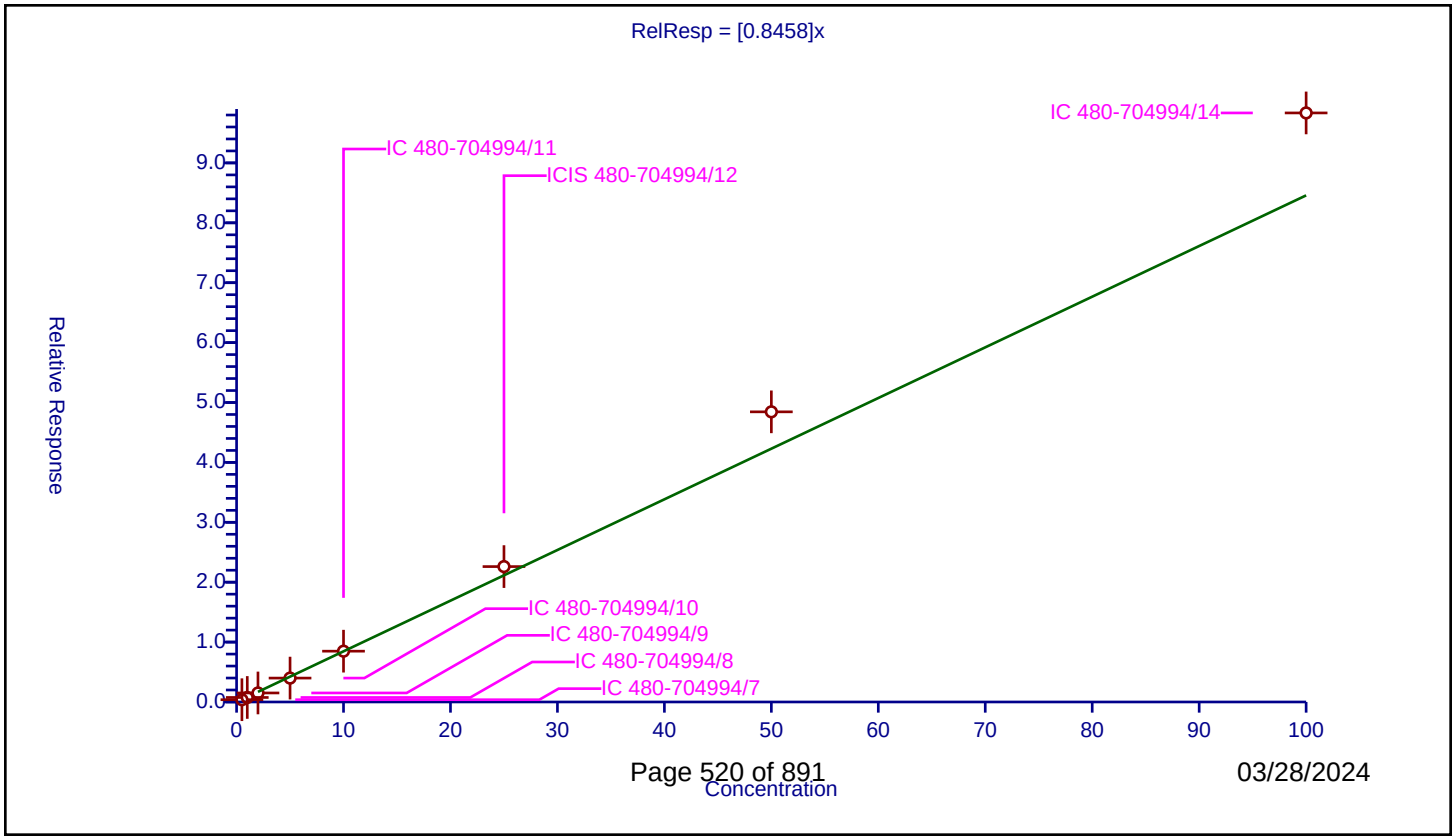
Curve Coefficients

Intercept:	0
Slope:	0.8458

Error Coefficients

Relative Standard Deviation:	11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.378915	25.0	211261.0	0.75783	Y
2	IC 480-704994/8	1.0	0.752747	25.0	197211.0	0.752747	Y
3	IC 480-704994/9	2.0	1.506014	25.0	218474.0	0.753007	Y
4	IC 480-704994/10	5.0	3.989779	25.0	216121.0	0.797956	Y
5	IC 480-704994/11	10.0	8.483513	25.0	204311.0	0.848351	Y
6	ICIS 480-704994/12	25.0	22.606133	25.0	218005.0	0.904245	Y
7	IC 480-704994/13	50.0	48.44347	25.0	215126.0	0.968869	Y
8	IC 480-704994/14	100.0	98.346545	25.0	220130.0	0.983465	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

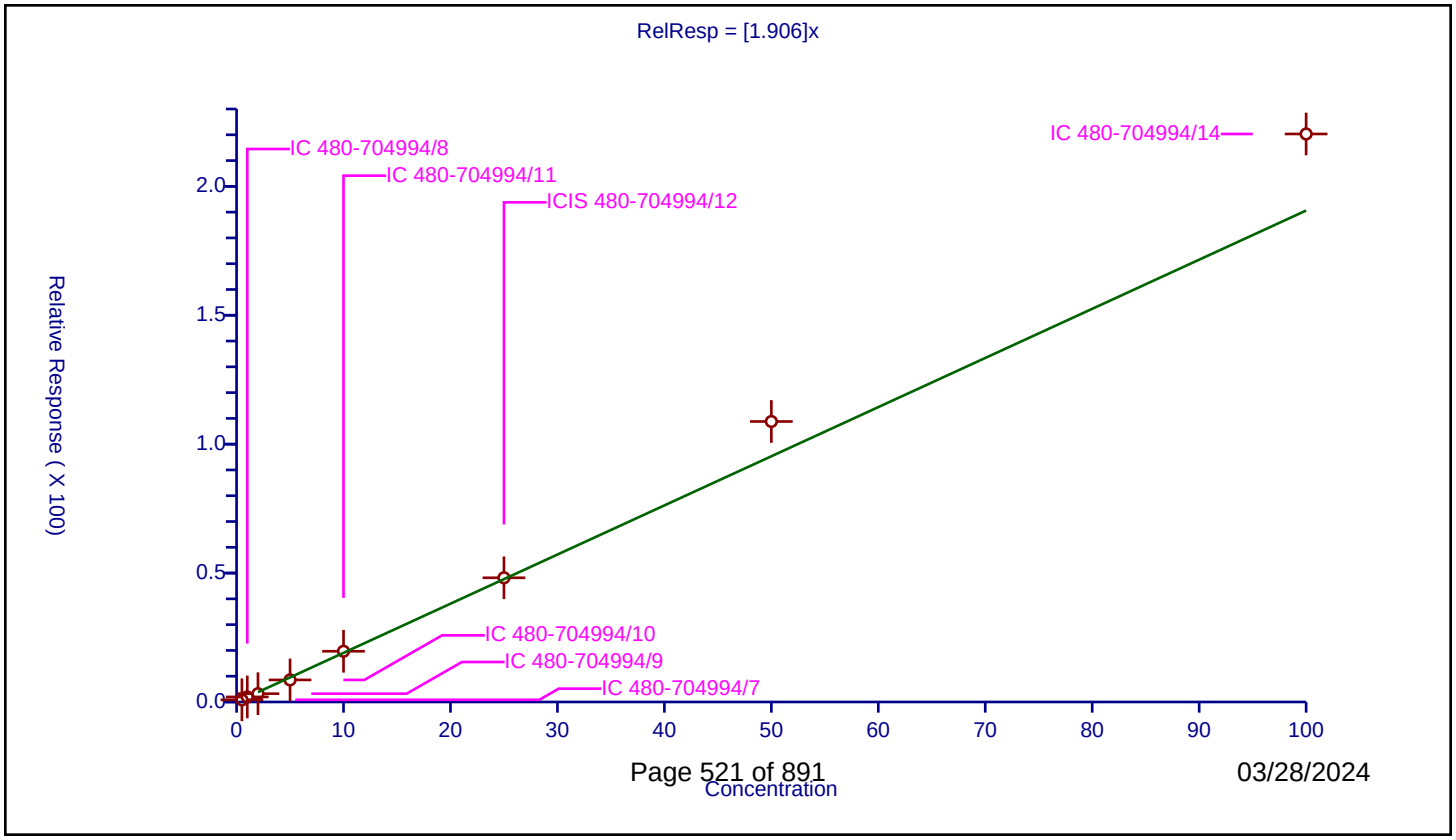
Curve Coefficients

Intercept:	0
Slope:	1.906

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.848122	25.0	211261.0	1.696243	Y
2	IC 480-704994/8	1.0	1.956407	25.0	197211.0	1.956407	Y
3	IC 480-704994/9	2.0	3.221093	25.0	218474.0	1.610546	Y
4	IC 480-704994/10	5.0	8.561176	25.0	216121.0	1.712235	Y
5	IC 480-704994/11	10.0	19.678945	25.0	204311.0	1.967895	Y
6	ICIS 480-704994/12	25.0	48.17229	25.0	218005.0	1.926892	Y
7	IC 480-704994/13	50.0	108.801237	25.0	215126.0	2.176025	Y
8	IC 480-704994/14	100.0	220.322196	25.0	220130.0	2.203222	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

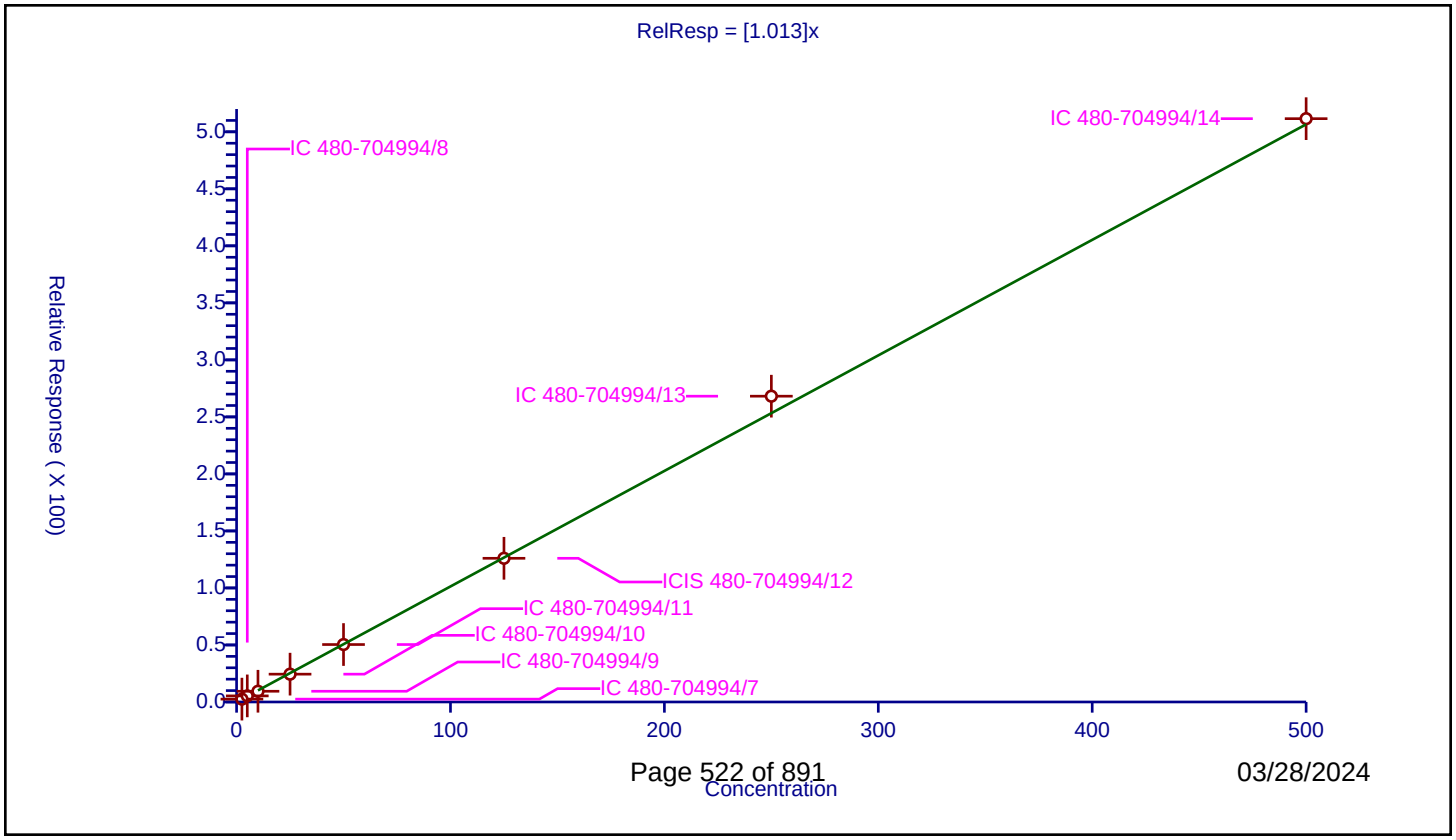
Curve Coefficients

Intercept:	0
Slope:	1.013

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	2.5	2.518944	25.0	409358.0	1.007578	Y
2	IC 480-704994/8	5.0	5.34594	25.0	399766.0	1.069188	Y
3	IC 480-704994/9	10.0	9.401768	25.0	418182.0	0.940177	Y
4	IC 480-704994/10	25.0	24.405549	25.0	423290.0	0.976222	Y
5	IC 480-704994/11	50.0	50.39343	25.0	406426.0	1.007869	Y
6	ICIS 480-704994/12	125.0	126.017218	25.0	424442.0	1.008138	Y
7	IC 480-704994/13	250.0	268.174051	25.0	424256.0	1.072696	Y
8	IC 480-704994/14	500.0	511.535951	25.0	445128.0	1.023072	Y



Calibration / Toluene-d8 (Surr)

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

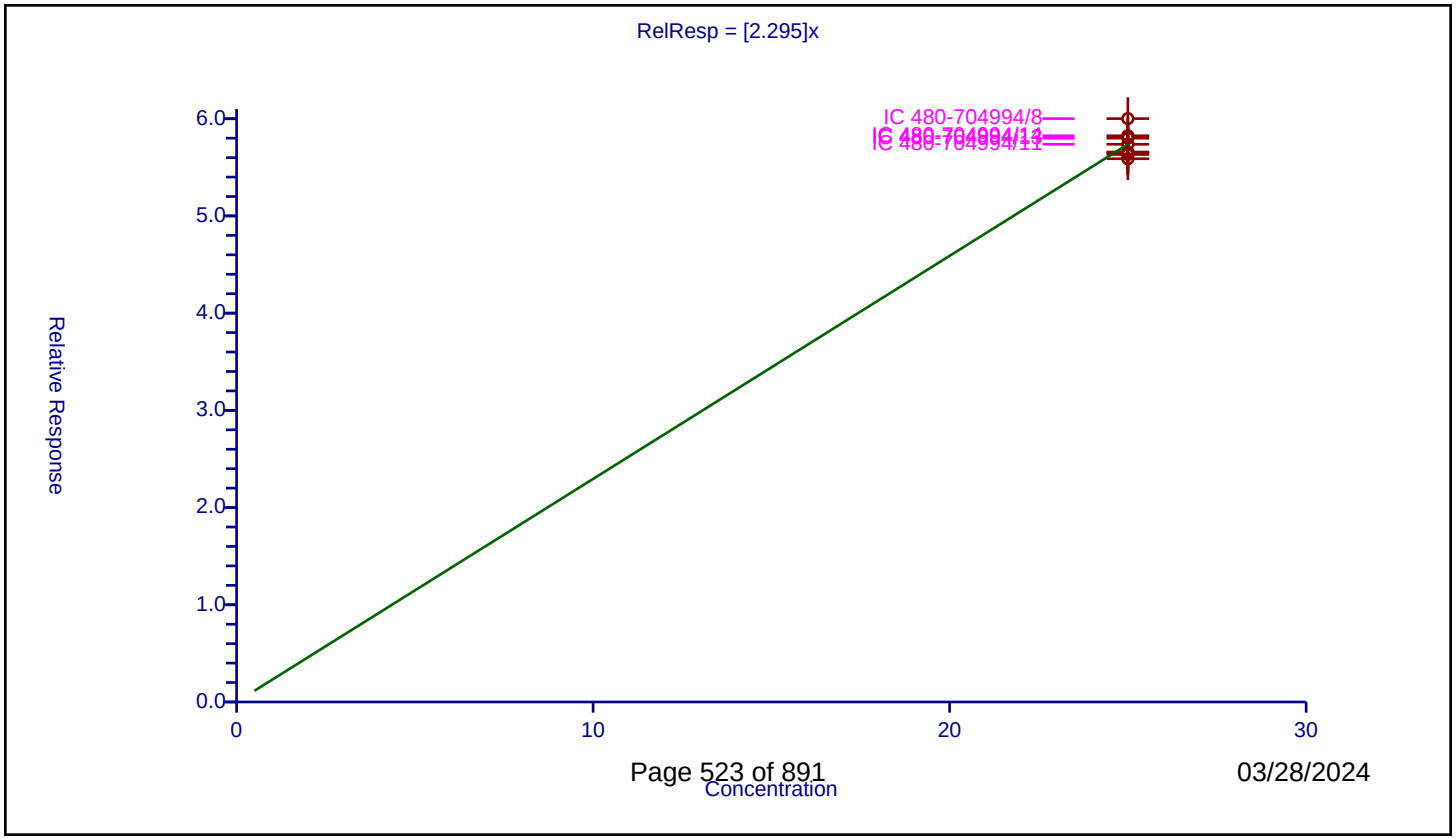
Curve Coefficients

Intercept:	0
Slope:	2.295

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	25.0	56.325881	25.0	409358.0	2.253035	Y
2	IC 480-704994/8	25.0	60.012232	25.0	399766.0	2.400489	Y
3	IC 480-704994/9	25.0	56.501236	25.0	418182.0	2.260049	Y
4	IC 480-704994/10	25.0	56.577287	25.0	423290.0	2.263091	Y
5	IC 480-704994/11	25.0	57.374221	25.0	406426.0	2.294969	Y
6	ICIS 480-704994/12	25.0	55.883313	25.0	424442.0	2.235333	Y
7	IC 480-704994/13	25.0	57.99971	25.0	424256.0	2.319988	Y
8	IC 480-704994/14	25.0	58.249313	25.0	445128.0	2.329973	Y



Calibration / Toluene

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

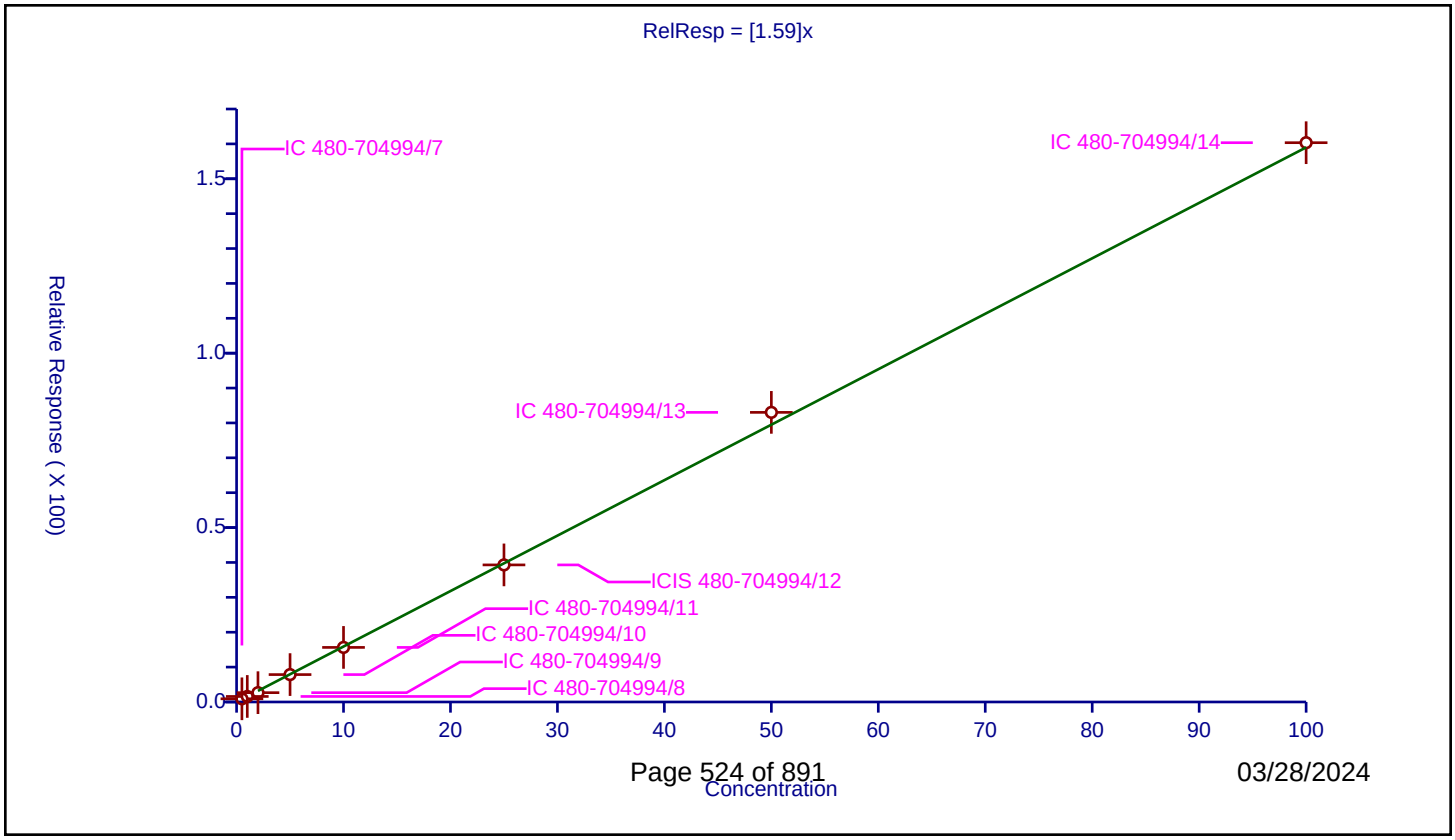
Curve Coefficients

Intercept:	0
Slope:	1.59

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.912343	25.0	409358.0	1.824686	Y
2	IC 480-704994/8	1.0	1.587679	25.0	399766.0	1.587679	Y
3	IC 480-704994/9	2.0	2.6727	25.0	418182.0	1.33635	Y
4	IC 480-704994/10	5.0	7.852831	25.0	423290.0	1.570566	Y
5	IC 480-704994/11	10.0	15.642146	25.0	406426.0	1.564215	Y
6	ICIS 480-704994/12	25.0	39.296417	25.0	424442.0	1.571857	Y
7	IC 480-704994/13	50.0	83.029409	25.0	424256.0	1.660588	Y
8	IC 480-704994/14	100.0	160.343429	25.0	445128.0	1.603434	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

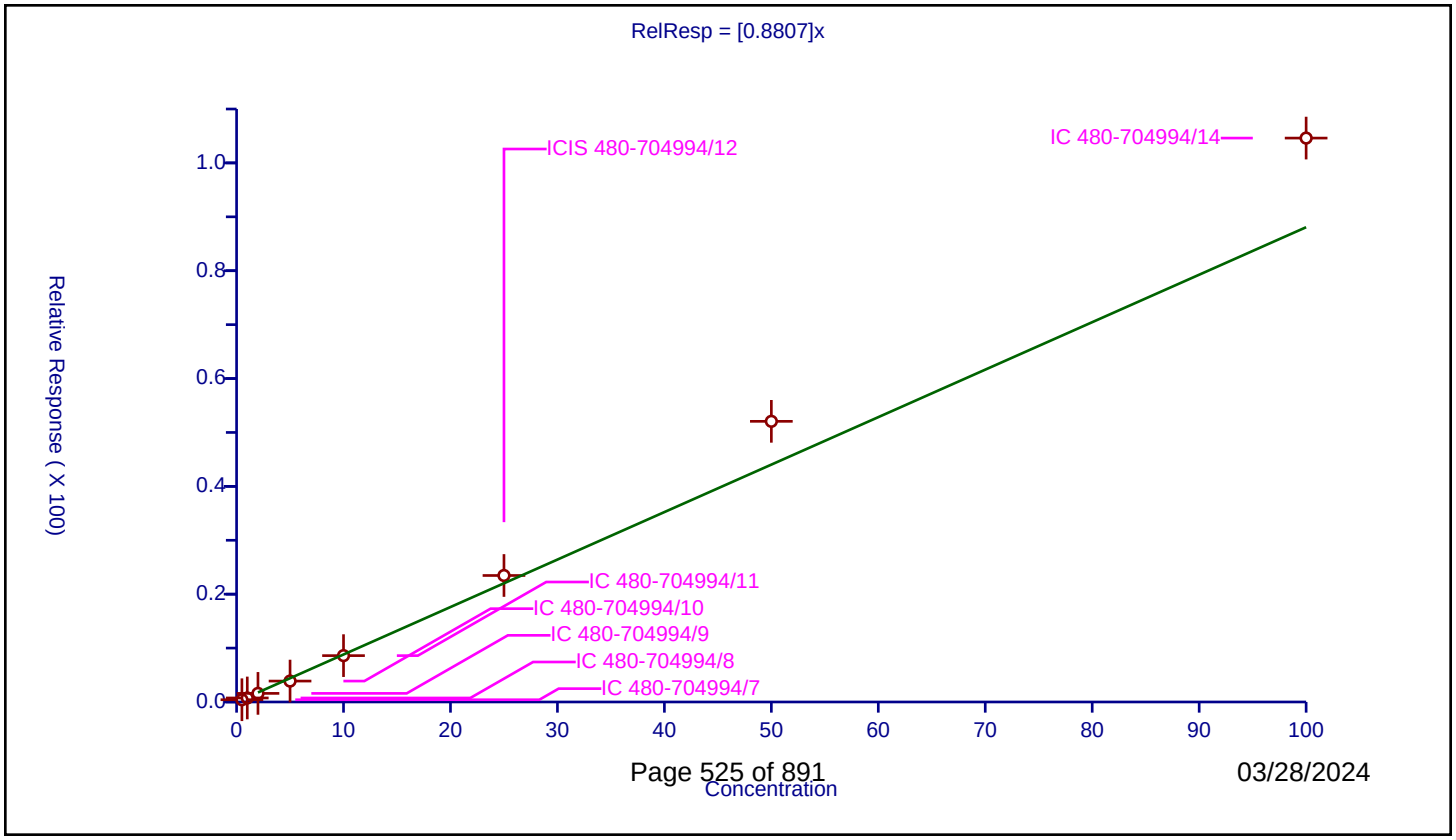
Curve Coefficients

Intercept:	0
Slope:	0.8807

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.420231	25.0	409358.0	0.840462	Y
2	IC 480-704994/8	1.0	0.744498	25.0	399766.0	0.744498	Y
3	IC 480-704994/9	2.0	1.597211	25.0	418182.0	0.798606	Y
4	IC 480-704994/10	5.0	3.87961	25.0	423290.0	0.775922	Y
5	IC 480-704994/11	10.0	8.601135	25.0	406426.0	0.860114	Y
6	ICIS 480-704994/12	25.0	23.464749	25.0	424442.0	0.93859	Y
7	IC 480-704994/13	50.0	52.062905	25.0	424256.0	1.041258	Y
8	IC 480-704994/14	100.0	104.608787	25.0	445128.0	1.046088	Y



Calibration / Ethyl methacrylate

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

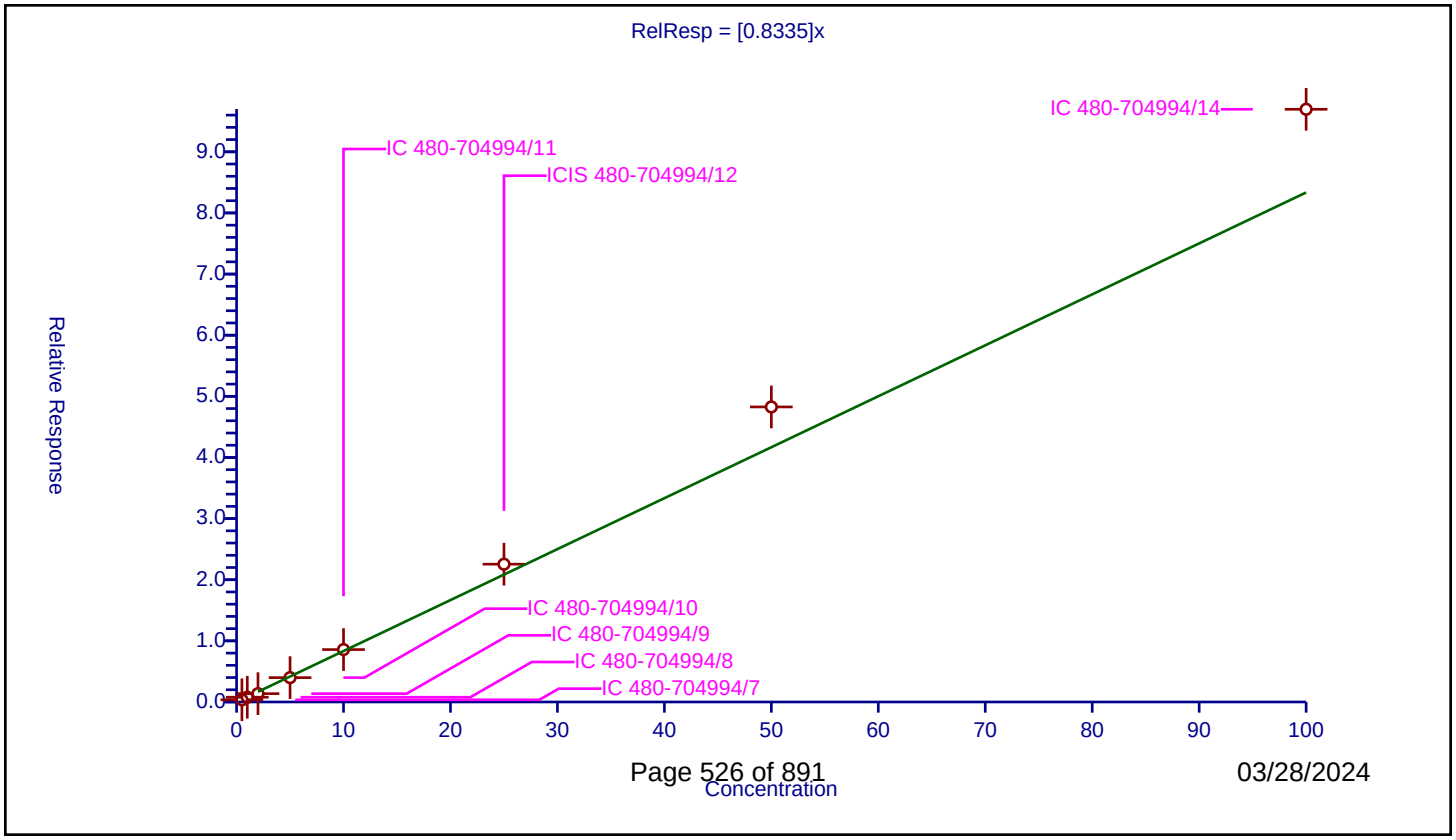
Curve Coefficients

Intercept:	0
Slope:	0.8335

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.35861	25.0	409358.0	0.717221	Y
2	IC 480-704994/8	1.0	0.778518	25.0	399766.0	0.778518	Y
3	IC 480-704994/9	2.0	1.363641	25.0	418182.0	0.68182	Y
4	IC 480-704994/10	5.0	3.982908	25.0	423290.0	0.796582	Y
5	IC 480-704994/11	10.0	8.571794	25.0	406426.0	0.857179	Y
6	ICIS 480-704994/12	25.0	22.540948	25.0	424442.0	0.901638	Y
7	IC 480-704994/13	50.0	48.26732	25.0	424256.0	0.965346	Y
8	IC 480-704994/14	100.0	96.954696	25.0	445128.0	0.969547	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

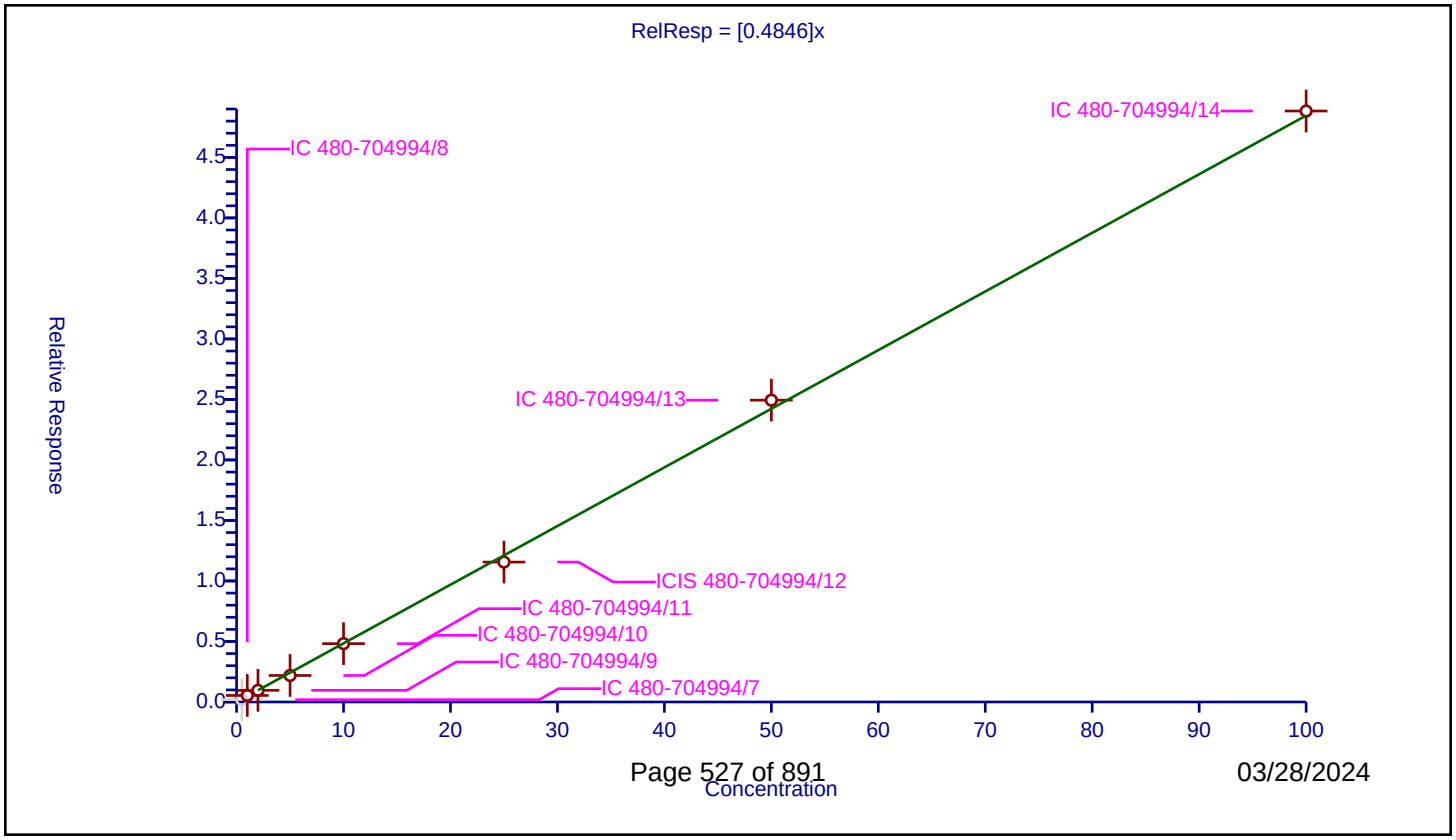
Curve Coefficients

Intercept:	0
Slope:	0.4846

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.190542	25.0	409358.0	0.381085	N
2	IC 480-704994/8	1.0	0.541129	25.0	399766.0	0.541129	Y
3	IC 480-704994/9	2.0	0.961543	25.0	418182.0	0.480772	Y
4	IC 480-704994/10	5.0	2.192528	25.0	423290.0	0.438506	Y
5	IC 480-704994/11	10.0	4.81982	25.0	406426.0	0.481982	Y
6	ICIS 480-704994/12	25.0	11.562004	25.0	424442.0	0.46248	Y
7	IC 480-704994/13	50.0	24.940248	25.0	424256.0	0.498805	Y
8	IC 480-704994/14	100.0	48.833987	25.0	445128.0	0.48834	Y



Calibration / Tetrachloroethene

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

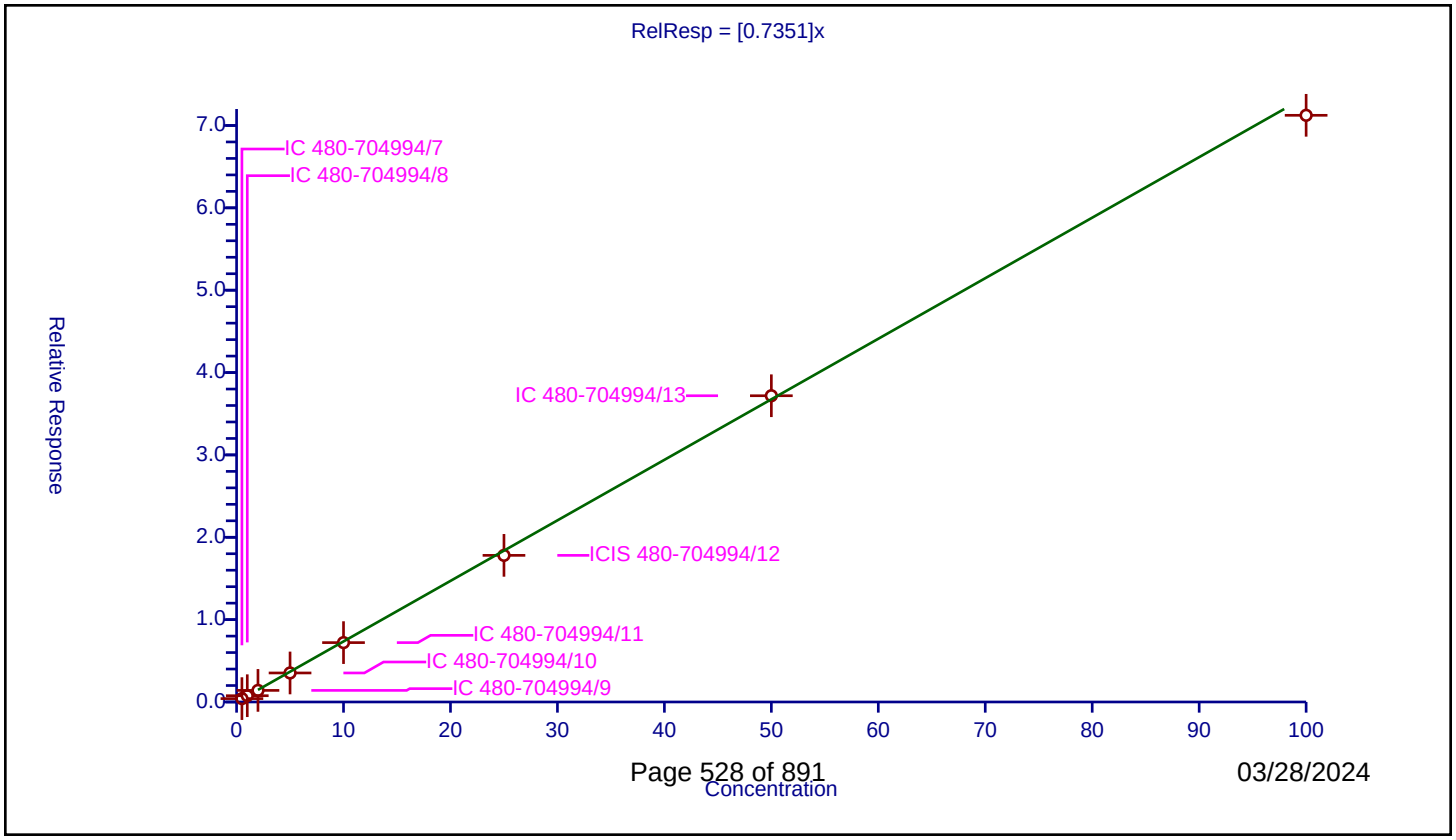
Curve Coefficients

Intercept:	0
Slope:	0.7351

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.409849	25.0	409358.0	0.819698	Y
2	IC 480-704994/8	1.0	0.762634	25.0	399766.0	0.762634	Y
3	IC 480-704994/9	2.0	1.40782	25.0	418182.0	0.70391	Y
4	IC 480-704994/10	5.0	3.525715	25.0	423290.0	0.705143	Y
5	IC 480-704994/11	10.0	7.2082	25.0	406426.0	0.72082	Y
6	ICIS 480-704994/12	25.0	17.803787	25.0	424442.0	0.712151	Y
7	IC 480-704994/13	50.0	37.185685	25.0	424256.0	0.743714	Y
8	IC 480-704994/14	100.0	71.236925	25.0	445128.0	0.712369	Y



Calibration / 1,3-Dichloropropane

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

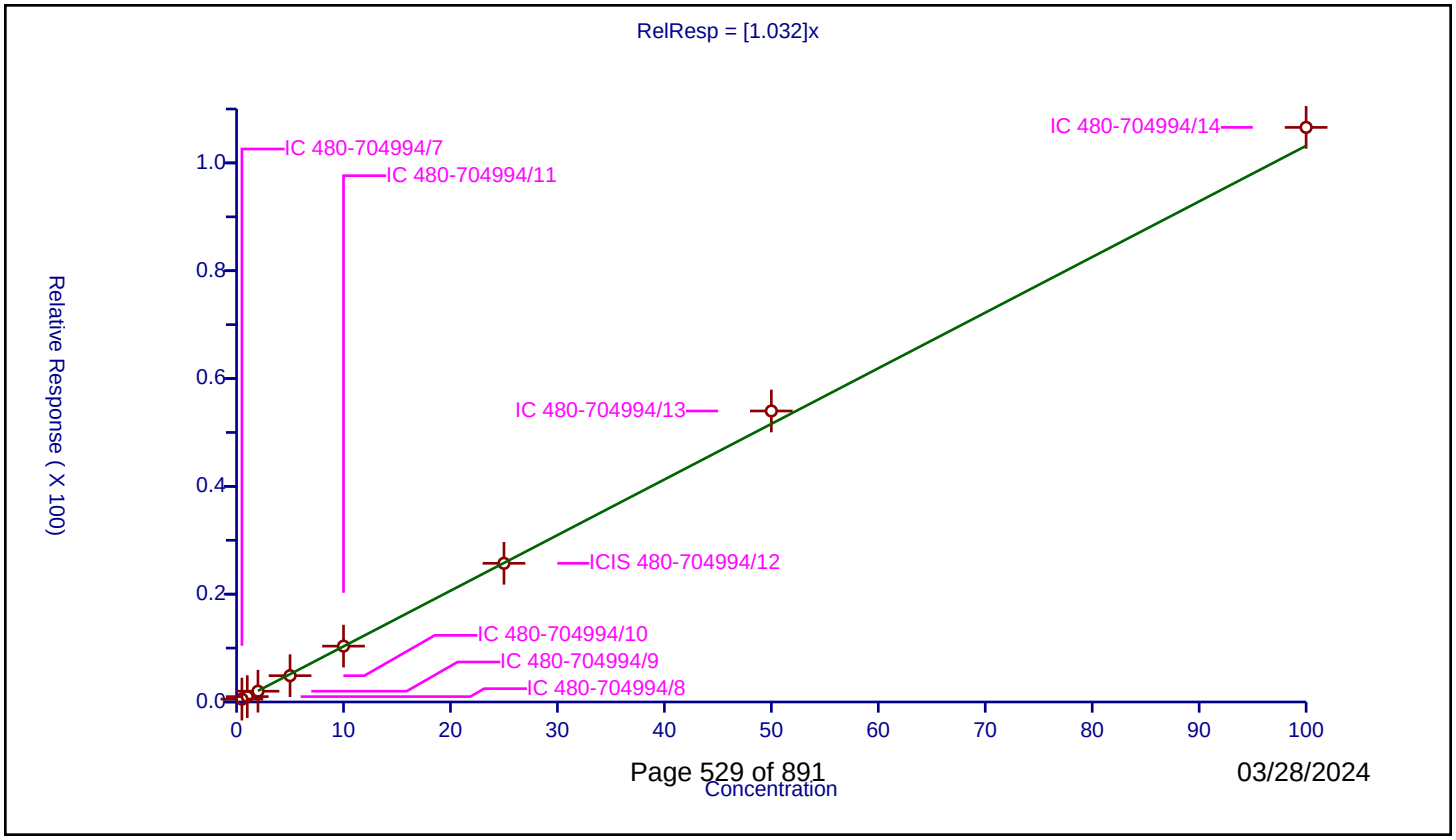
Curve Coefficients

Intercept:	0
Slope:	1.032

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.534862	25.0	409358.0	1.069724	Y
2	IC 480-704994/8	1.0	0.997834	25.0	399766.0	0.997834	Y
3	IC 480-704994/9	2.0	1.999967	25.0	418182.0	0.999983	Y
4	IC 480-704994/10	5.0	4.878925	25.0	423290.0	0.975785	Y
5	IC 480-704994/11	10.0	10.360927	25.0	406426.0	1.036093	Y
6	ICIS 480-704994/12	25.0	25.724952	25.0	424442.0	1.028998	Y
7	IC 480-704994/13	50.0	53.981323	25.0	424256.0	1.079626	Y
8	IC 480-704994/14	100.0	106.590632	25.0	445128.0	1.065906	Y



Calibration / 2-Hexanone

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

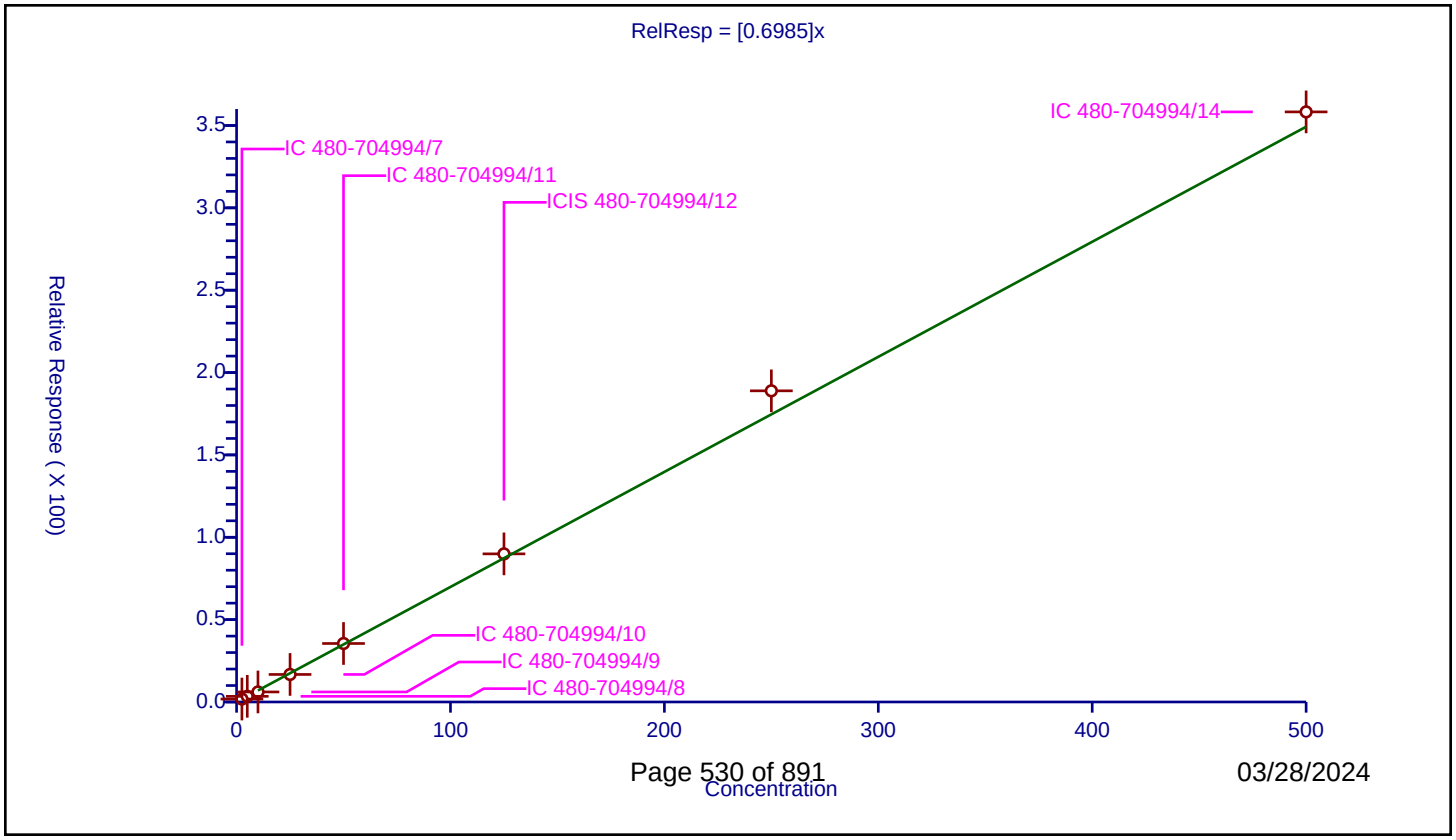
Curve Coefficients

Intercept:	0
Slope:	0.6985

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	2.5	1.794517	25.0	409358.0	0.717807	Y
2	IC 480-704994/8	5.0	3.447955	25.0	399766.0	0.689591	Y
3	IC 480-704994/9	10.0	6.102367	25.0	418182.0	0.610237	Y
4	IC 480-704994/10	25.0	16.713955	25.0	423290.0	0.668558	Y
5	IC 480-704994/11	50.0	35.505602	25.0	406426.0	0.710112	Y
6	ICIS 480-704994/12	125.0	89.918175	25.0	424442.0	0.719345	Y
7	IC 480-704994/13	250.0	188.915065	25.0	424256.0	0.75566	Y
8	IC 480-704994/14	500.0	358.251559	25.0	445128.0	0.716503	Y



Calibration / Chlorodibromomethane

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

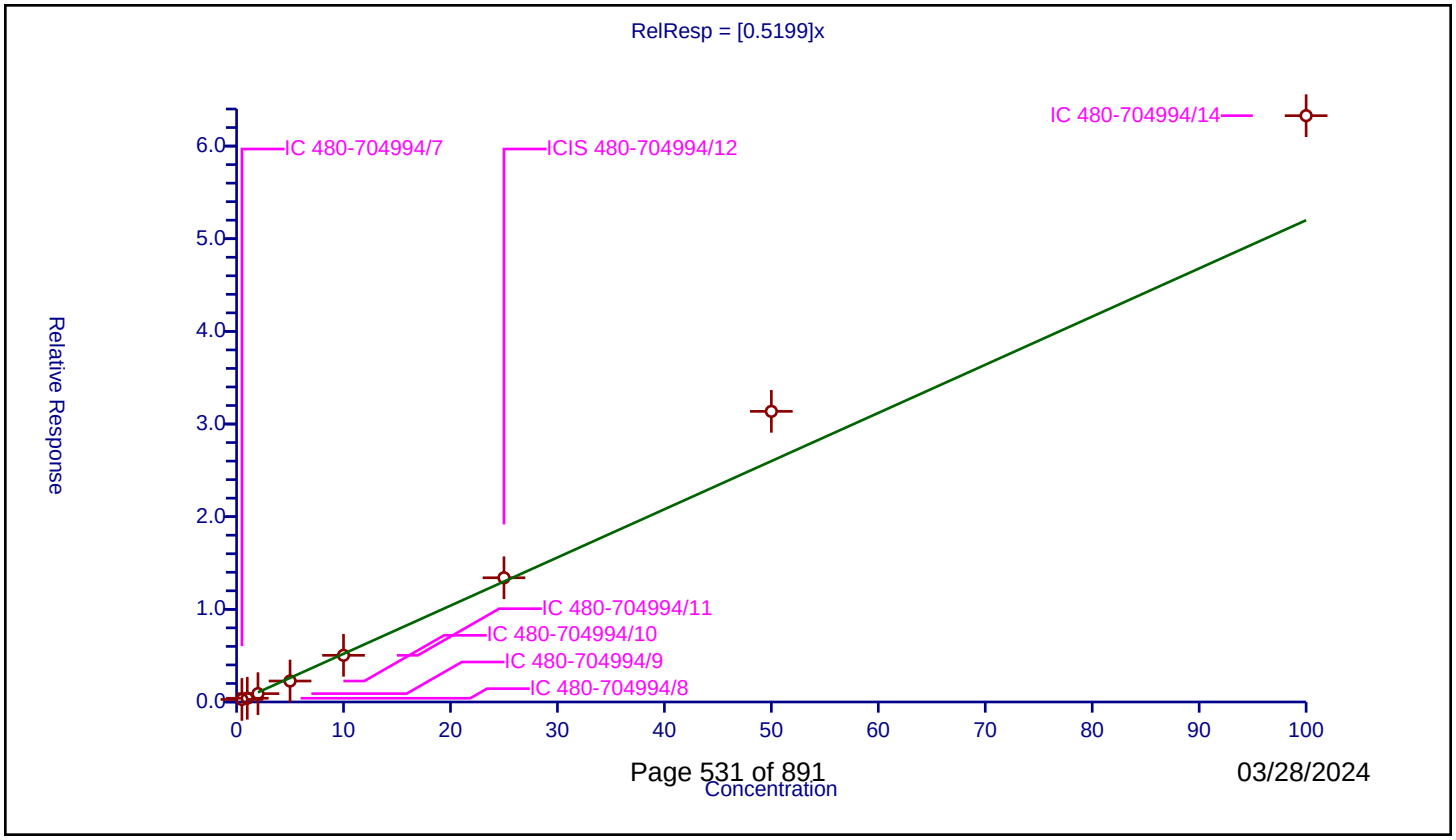
Curve Coefficients

Intercept:	0
Slope:	0.5199

Error Coefficients

Relative Standard Deviation:	16.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.276164	25.0	409358.0	0.552328	Y
2	IC 480-704994/8	1.0	0.403674	25.0	399766.0	0.403674	Y
3	IC 480-704994/9	2.0	0.901701	25.0	418182.0	0.45085	Y
4	IC 480-704994/10	5.0	2.262574	25.0	423290.0	0.452515	Y
5	IC 480-704994/11	10.0	5.037879	25.0	406426.0	0.503788	Y
6	ICIS 480-704994/12	25.0	13.407368	25.0	424442.0	0.536295	Y
7	IC 480-704994/13	50.0	31.366852	25.0	424256.0	0.627337	Y
8	IC 480-704994/14	100.0	63.28118	25.0	445128.0	0.632812	Y



Calibration / Ethylene Dibromide

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

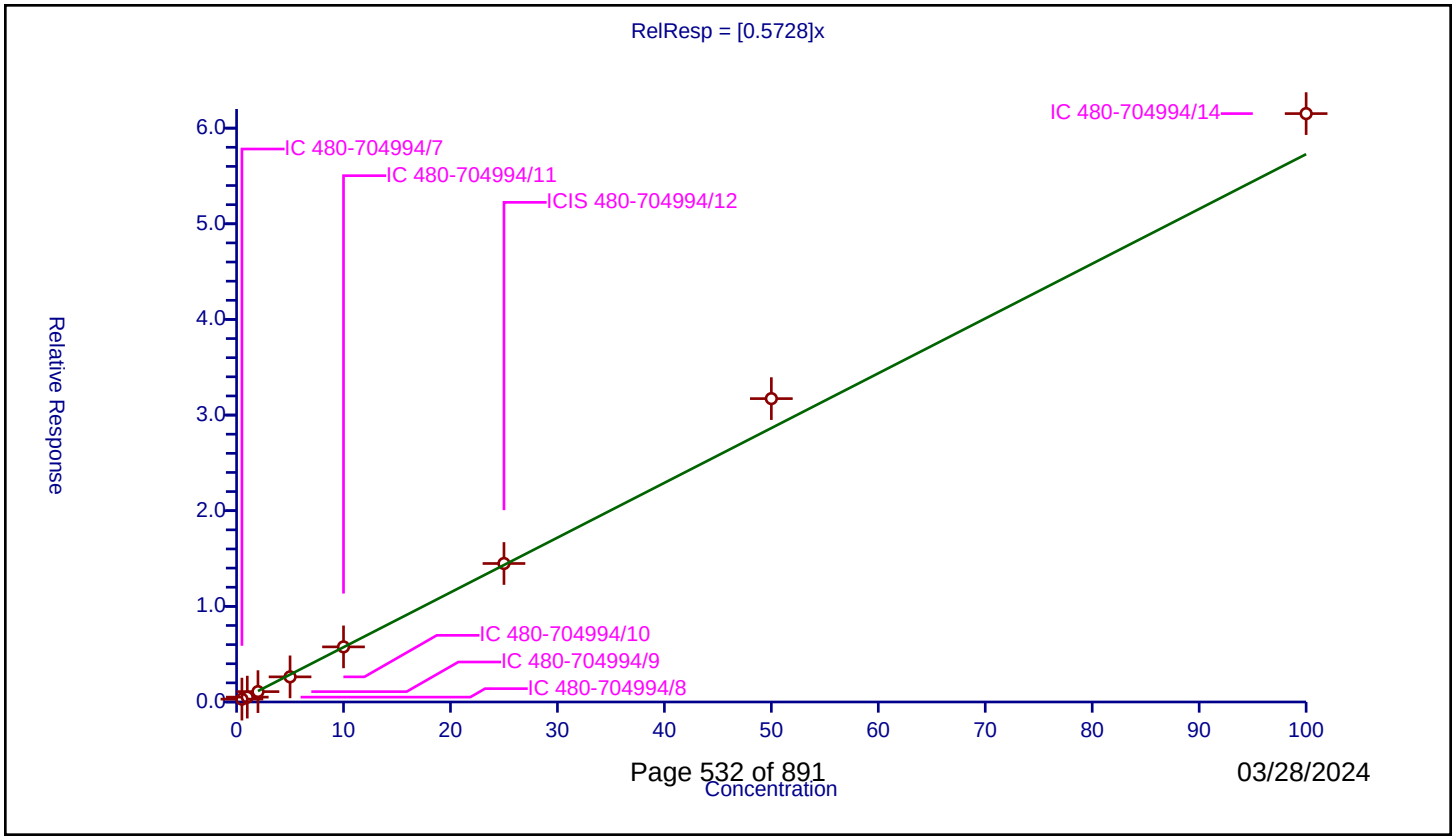
Curve Coefficients

Intercept:	0
Slope:	0.5728

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.300532	25.0	409358.0	0.601063	Y
2	IC 480-704994/8	1.0	0.508673	25.0	399766.0	0.508673	Y
3	IC 480-704994/9	2.0	1.083141	25.0	418182.0	0.54157	Y
4	IC 480-704994/10	5.0	2.629226	25.0	423290.0	0.525845	Y
5	IC 480-704994/11	10.0	5.762796	25.0	406426.0	0.57628	Y
6	ICIS 480-704994/12	25.0	14.480483	25.0	424442.0	0.579219	Y
7	IC 480-704994/13	50.0	31.719999	25.0	424256.0	0.6344	Y
8	IC 480-704994/14	100.0	61.519889	25.0	445128.0	0.615199	Y



Calibration / Chlorobenzene

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

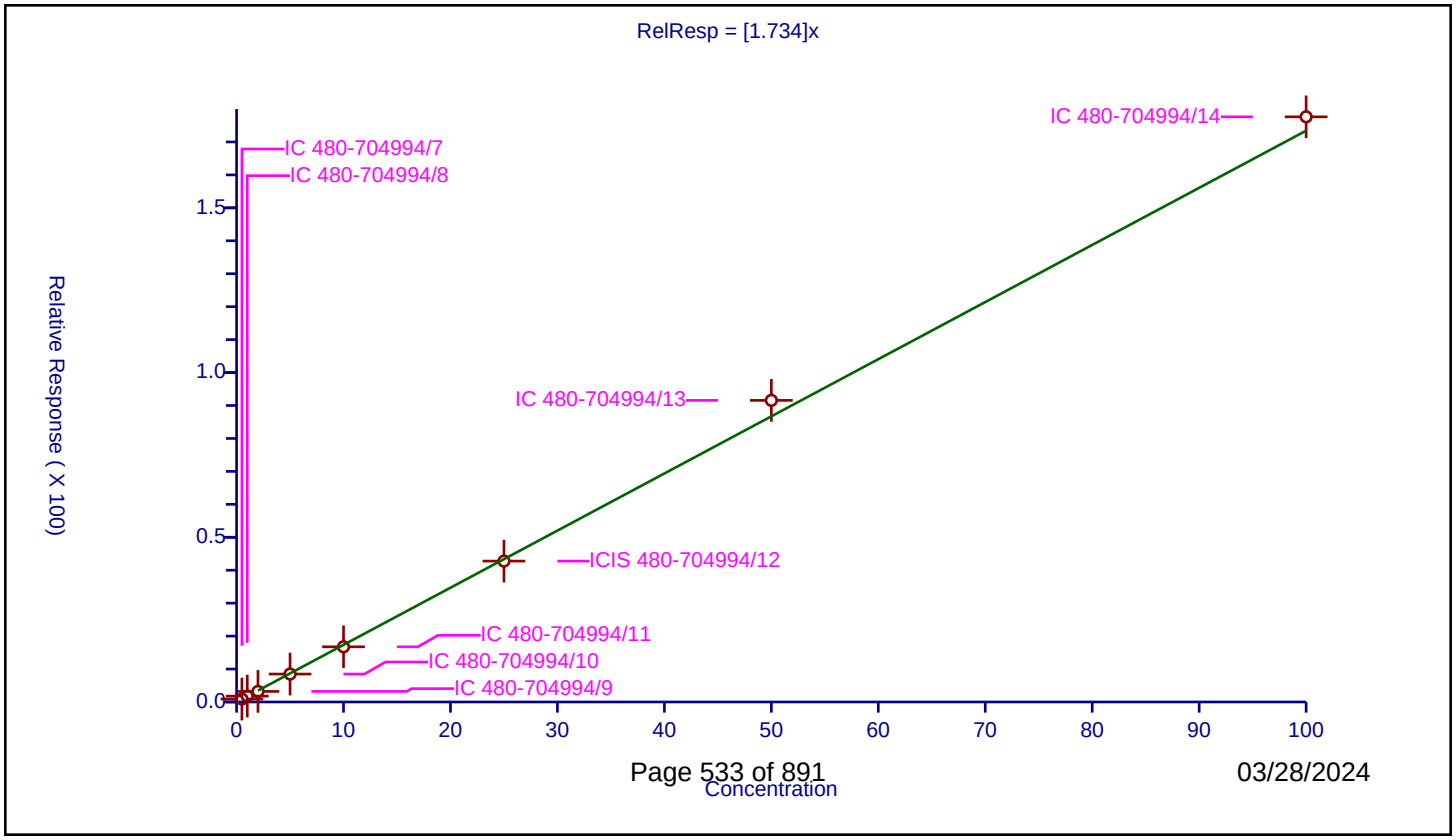
Curve Coefficients

Intercept:	0
Slope:	1.734

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.896404	25.0	409358.0	1.792807	Y
2	IC 480-704994/8	1.0	1.785107	25.0	399766.0	1.785107	Y
3	IC 480-704994/9	2.0	3.212298	25.0	418182.0	1.606149	Y
4	IC 480-704994/10	5.0	8.481124	25.0	423290.0	1.696225	Y
5	IC 480-704994/11	10.0	16.749051	25.0	406426.0	1.674905	Y
6	ICIS 480-704994/12	25.0	42.771627	25.0	424442.0	1.710865	Y
7	IC 480-704994/13	50.0	91.553154	25.0	424256.0	1.831063	Y
8	IC 480-704994/14	100.0	177.628008	25.0	445128.0	1.77628	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

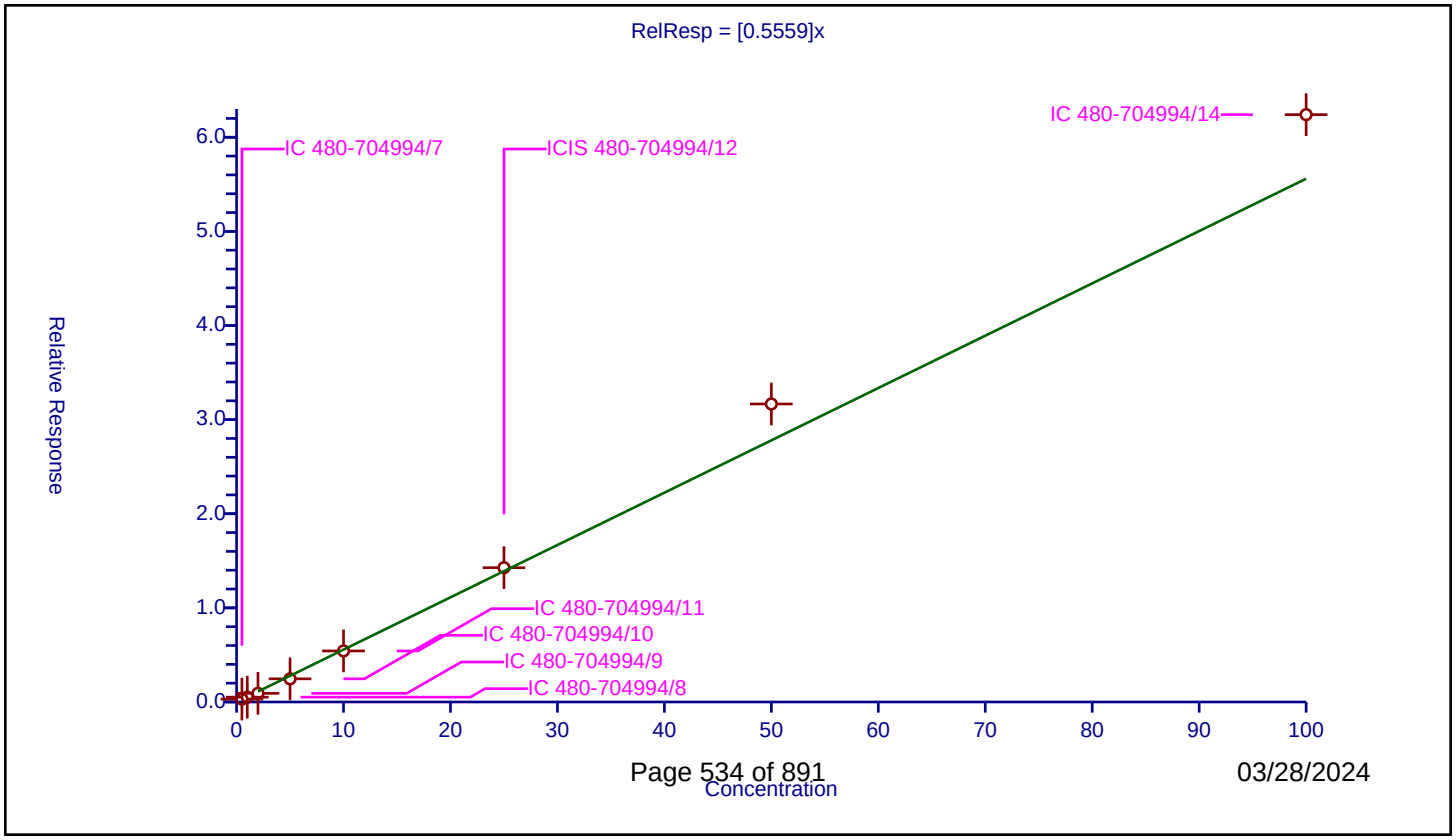
Curve Coefficients

Intercept:	0
Slope:	0.5559

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.30615	25.0	409358.0	0.6123	Y
2	IC 480-704994/8	1.0	0.513613	25.0	399766.0	0.513613	Y
3	IC 480-704994/9	2.0	0.917902	25.0	418182.0	0.458951	Y
4	IC 480-704994/10	5.0	2.459779	25.0	423290.0	0.491956	Y
5	IC 480-704994/11	10.0	5.424173	25.0	406426.0	0.542417	Y
6	ICIS 480-704994/12	25.0	14.268852	25.0	424442.0	0.570754	Y
7	IC 480-704994/13	50.0	31.66343	25.0	424256.0	0.633269	Y
8	IC 480-704994/14	100.0	62.403174	25.0	445128.0	0.624032	Y



Calibration / Ethylbenzene

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

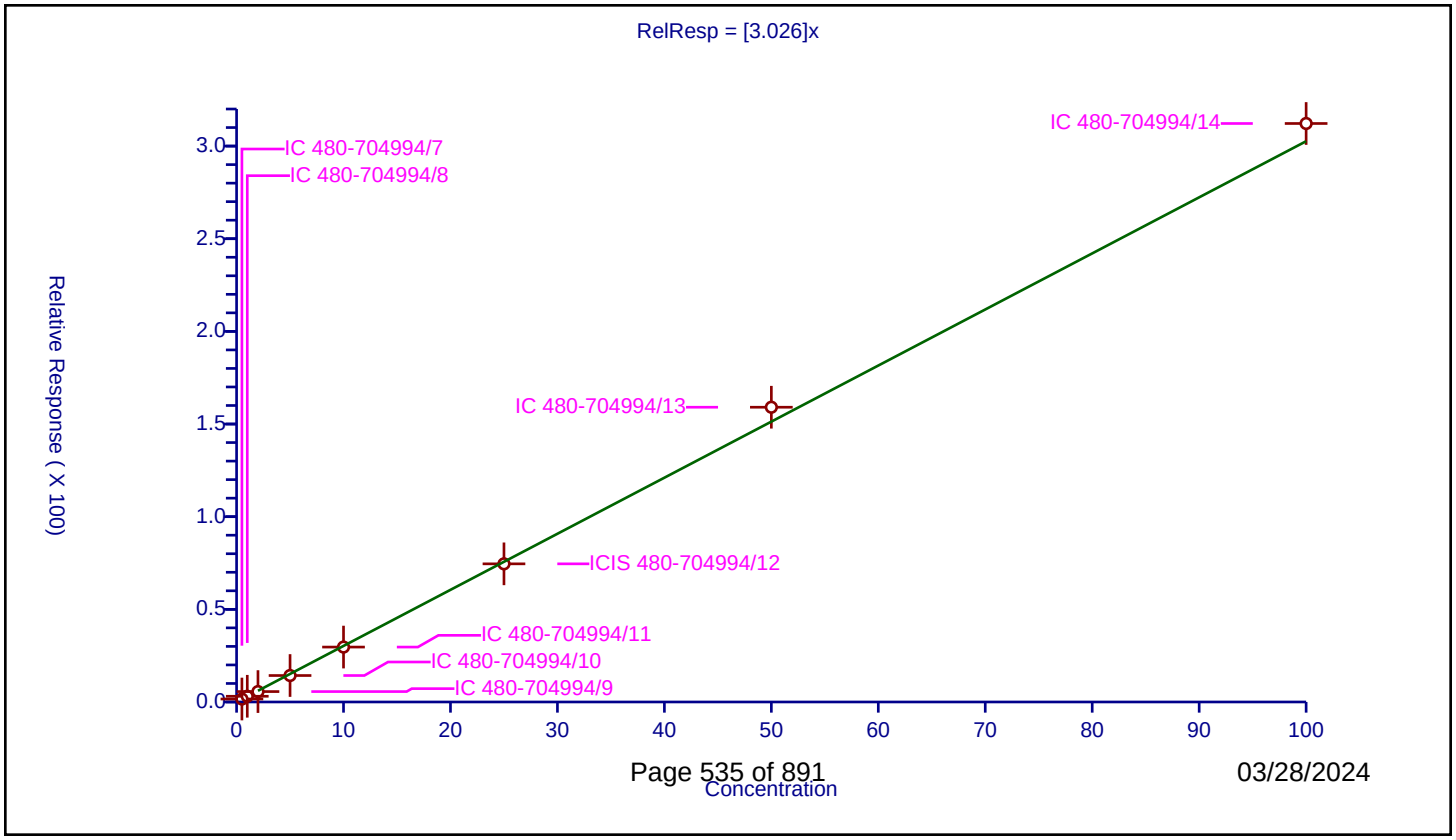
Curve Coefficients

Intercept:	0
Slope:	3.026

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	1.605013	25.0	409358.0	3.210026	Y
2	IC 480-704994/8	1.0	3.082366	25.0	399766.0	3.082366	Y
3	IC 480-704994/9	2.0	5.621954	25.0	418182.0	2.810977	Y
4	IC 480-704994/10	5.0	14.27904	25.0	423290.0	2.855808	Y
5	IC 480-704994/11	10.0	29.632086	25.0	406426.0	2.963209	Y
6	ICIS 480-704994/12	25.0	74.549585	25.0	424442.0	2.981983	Y
7	IC 480-704994/13	50.0	159.065753	25.0	424256.0	3.181315	Y
8	IC 480-704994/14	100.0	312.191999	25.0	445128.0	3.12192	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

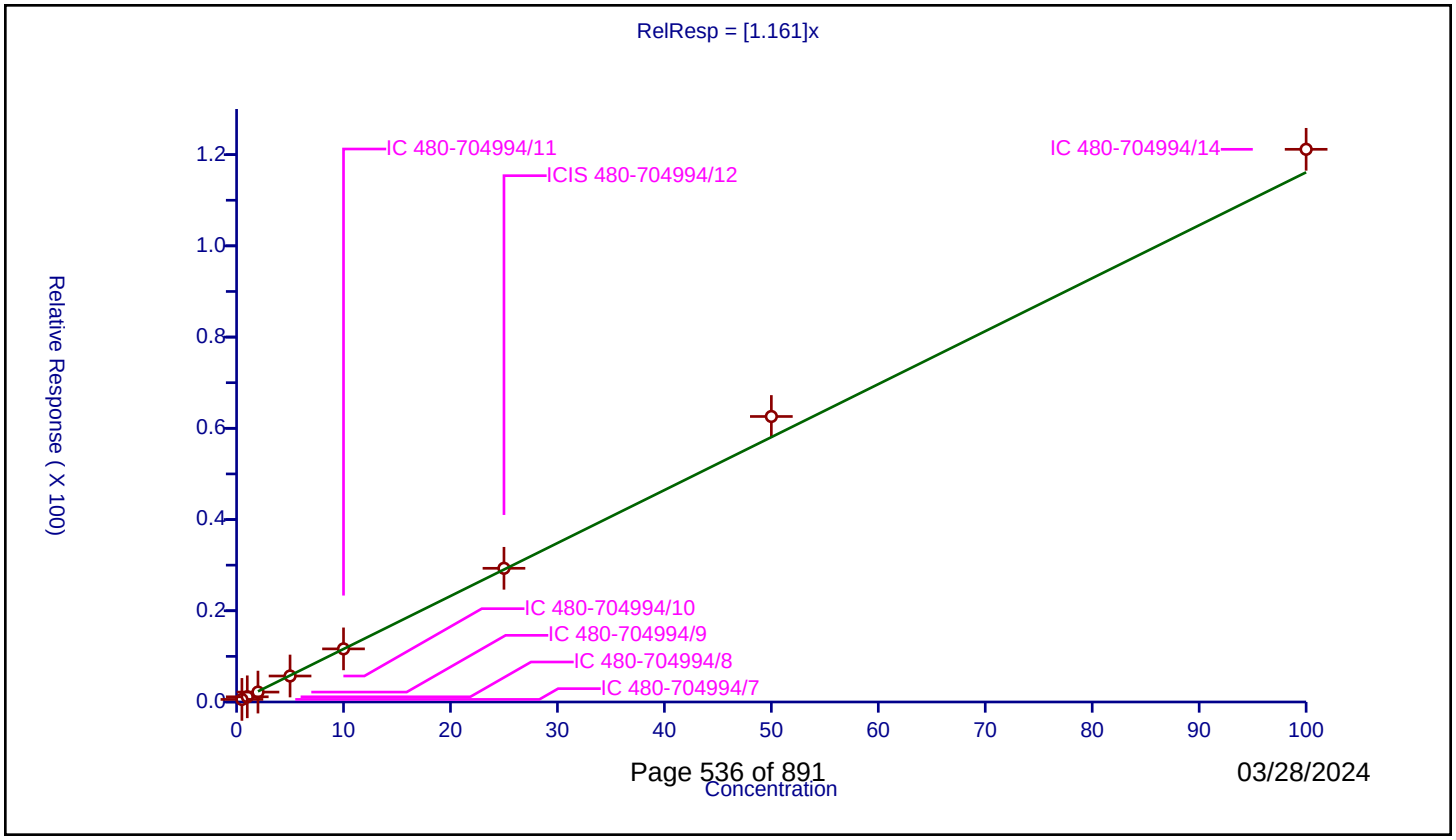
Curve Coefficients

Intercept:	0
Slope:	1.161

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.56381	25.0	409358.0	1.127619	Y
2	IC 480-704994/8	1.0	1.137666	25.0	399766.0	1.137666	Y
3	IC 480-704994/9	2.0	2.171244	25.0	418182.0	1.085622	Y
4	IC 480-704994/10	5.0	5.695977	25.0	423290.0	1.139195	Y
5	IC 480-704994/11	10.0	11.642648	25.0	406426.0	1.164265	Y
6	ICIS 480-704994/12	25.0	29.310542	25.0	424442.0	1.172422	Y
7	IC 480-704994/13	50.0	62.59334	25.0	424256.0	1.251867	Y
8	IC 480-704994/14	100.0	121.166721	25.0	445128.0	1.211667	Y



Calibration / o-Xylene

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

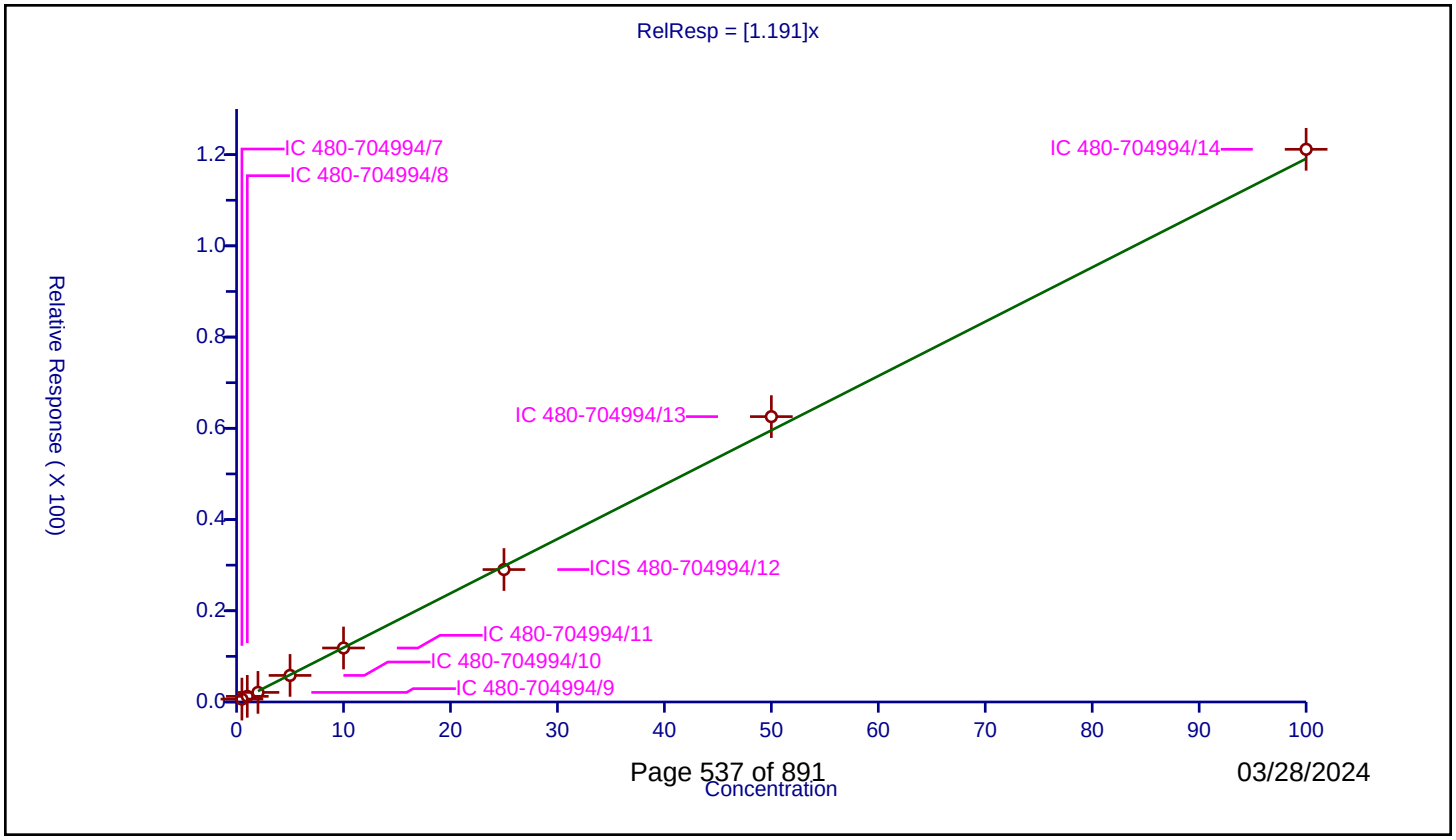
Curve Coefficients

Intercept:	0
Slope:	1.191

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.632209	25.0	409358.0	1.264419	Y
2	IC 480-704994/8	1.0	1.238349	25.0	399766.0	1.238349	Y
3	IC 480-704994/9	2.0	2.103928	25.0	418182.0	1.051964	Y
4	IC 480-704994/10	5.0	5.828451	25.0	423290.0	1.16569	Y
5	IC 480-704994/11	10.0	11.836964	25.0	406426.0	1.183696	Y
6	ICIS 480-704994/12	25.0	29.037595	25.0	424442.0	1.161504	Y
7	IC 480-704994/13	50.0	62.560636	25.0	424256.0	1.251213	Y
8	IC 480-704994/14	100.0	121.167395	25.0	445128.0	1.211674	Y



Calibration / Styrene

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

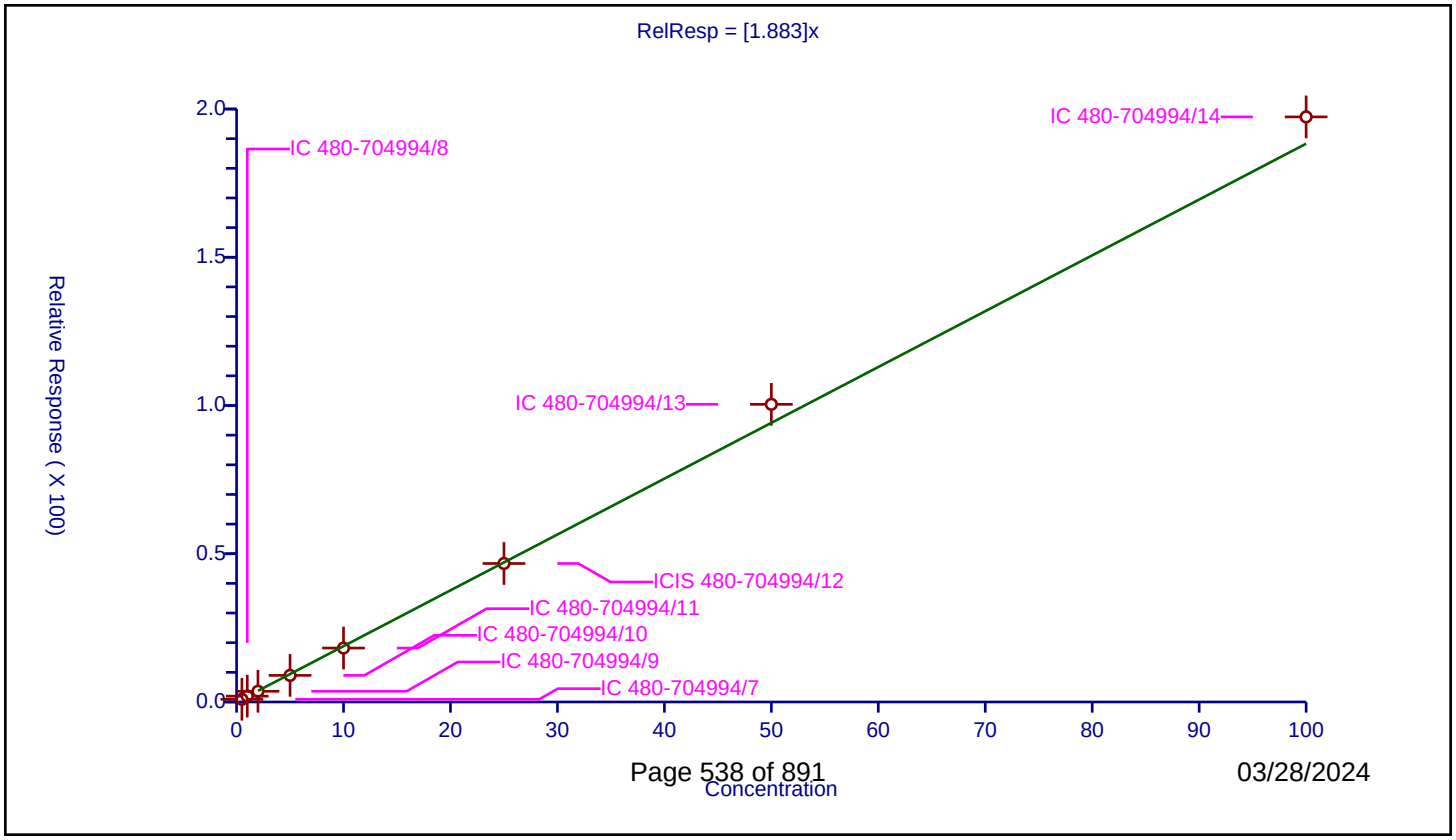
Curve Coefficients

Intercept:	0
Slope:	1.883

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.916435	25.0	409358.0	1.83287	Y
2	IC 480-704994/8	1.0	1.961022	25.0	399766.0	1.961022	Y
3	IC 480-704994/9	2.0	3.614216	25.0	418182.0	1.807108	Y
4	IC 480-704994/10	5.0	8.968556	25.0	423290.0	1.793711	Y
5	IC 480-704994/11	10.0	18.189535	25.0	406426.0	1.818954	Y
6	ICIS 480-704994/12	25.0	46.714922	25.0	424442.0	1.868597	Y
7	IC 480-704994/13	50.0	100.399523	25.0	424256.0	2.00799	Y
8	IC 480-704994/14	100.0	197.335429	25.0	445128.0	1.973354	Y



Calibration / Bromoform

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

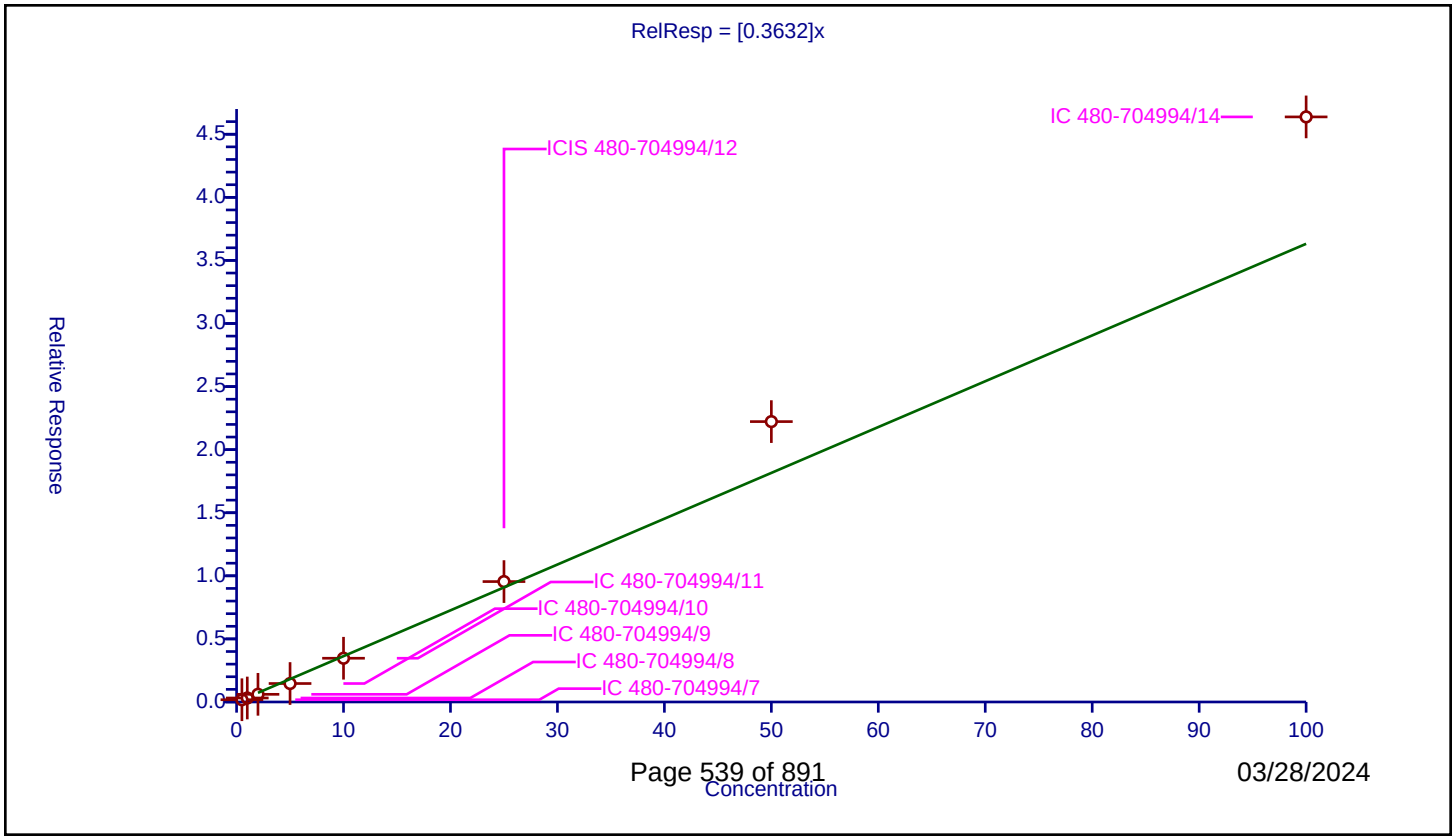
Curve Coefficients

Intercept:	0
Slope:	0.3632

Error Coefficients

Relative Standard Deviation:	17.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.177839	25.0	409358.0	0.355679	Y
2	IC 480-704994/8	1.0	0.31631	25.0	399766.0	0.31631	Y
3	IC 480-704994/9	2.0	0.607929	25.0	418182.0	0.303965	Y
4	IC 480-704994/10	5.0	1.462768	25.0	423290.0	0.292554	Y
5	IC 480-704994/11	10.0	3.467728	25.0	406426.0	0.346773	Y
6	ICIS 480-704994/12	25.0	9.544708	25.0	424442.0	0.381788	Y
7	IC 480-704994/13	50.0	22.224435	25.0	424256.0	0.444489	Y
8	IC 480-704994/14	100.0	46.373964	25.0	445128.0	0.46374	Y



Calibration / Isopropylbenzene

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

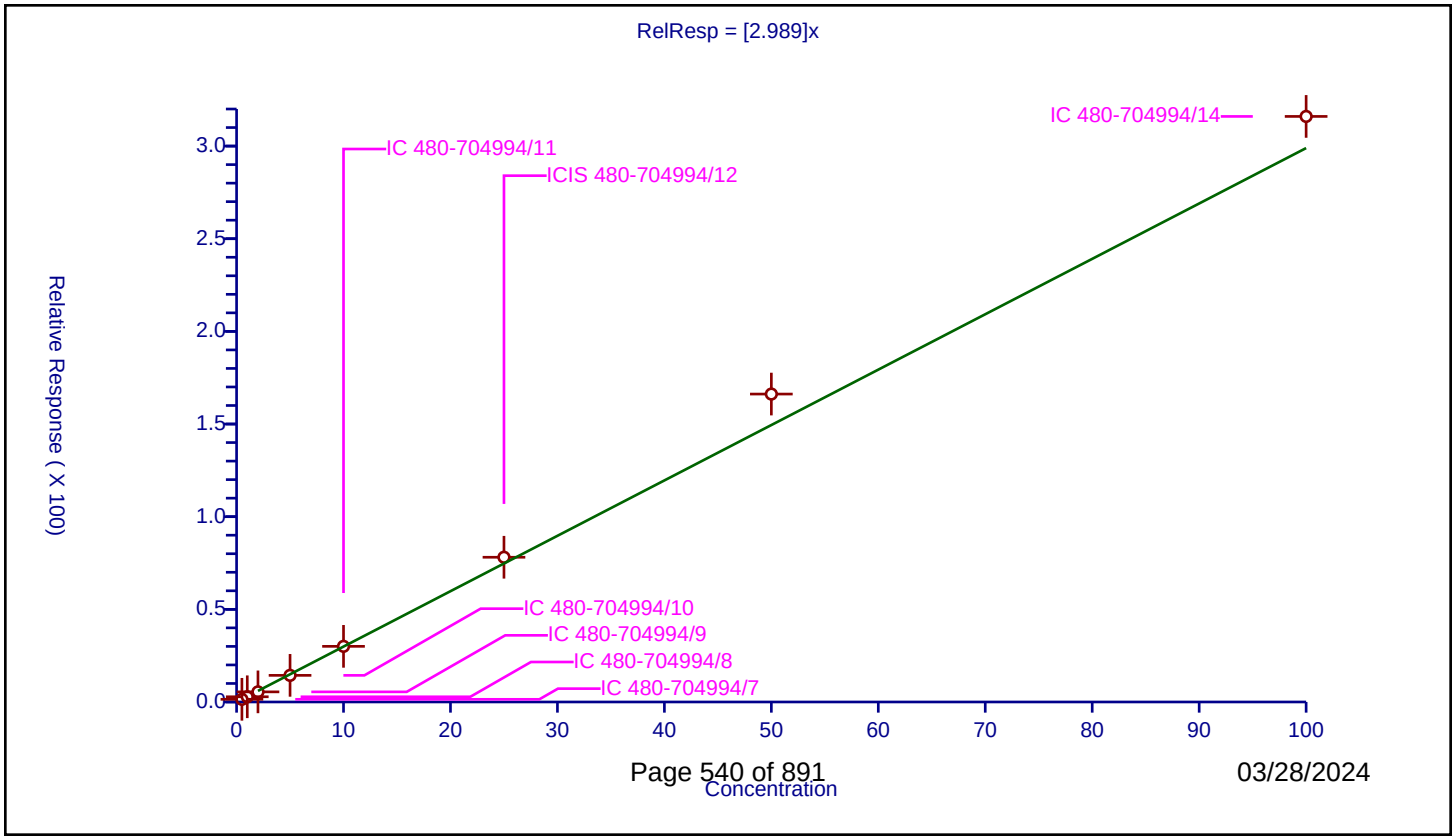
Curve Coefficients

Intercept:	0
Slope:	2.989

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	1.439343	25.0	432298.0	2.878686	Y
2	IC 480-704994/8	1.0	2.819255	25.0	420182.0	2.819255	Y
3	IC 480-704994/9	2.0	5.461948	25.0	440612.0	2.730974	Y
4	IC 480-704994/10	5.0	14.365151	25.0	441050.0	2.87303	Y
5	IC 480-704994/11	10.0	30.031402	25.0	418765.0	3.00314	Y
6	ICIS 480-704994/12	25.0	78.108617	25.0	421361.0	3.124345	Y
7	IC 480-704994/13	50.0	166.17335	25.0	419947.0	3.323467	Y
8	IC 480-704994/14	100.0	316.003048	25.0	456010.0	3.16003	Y



Calibration / 4-Bromofluorobenzene (Surr)

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

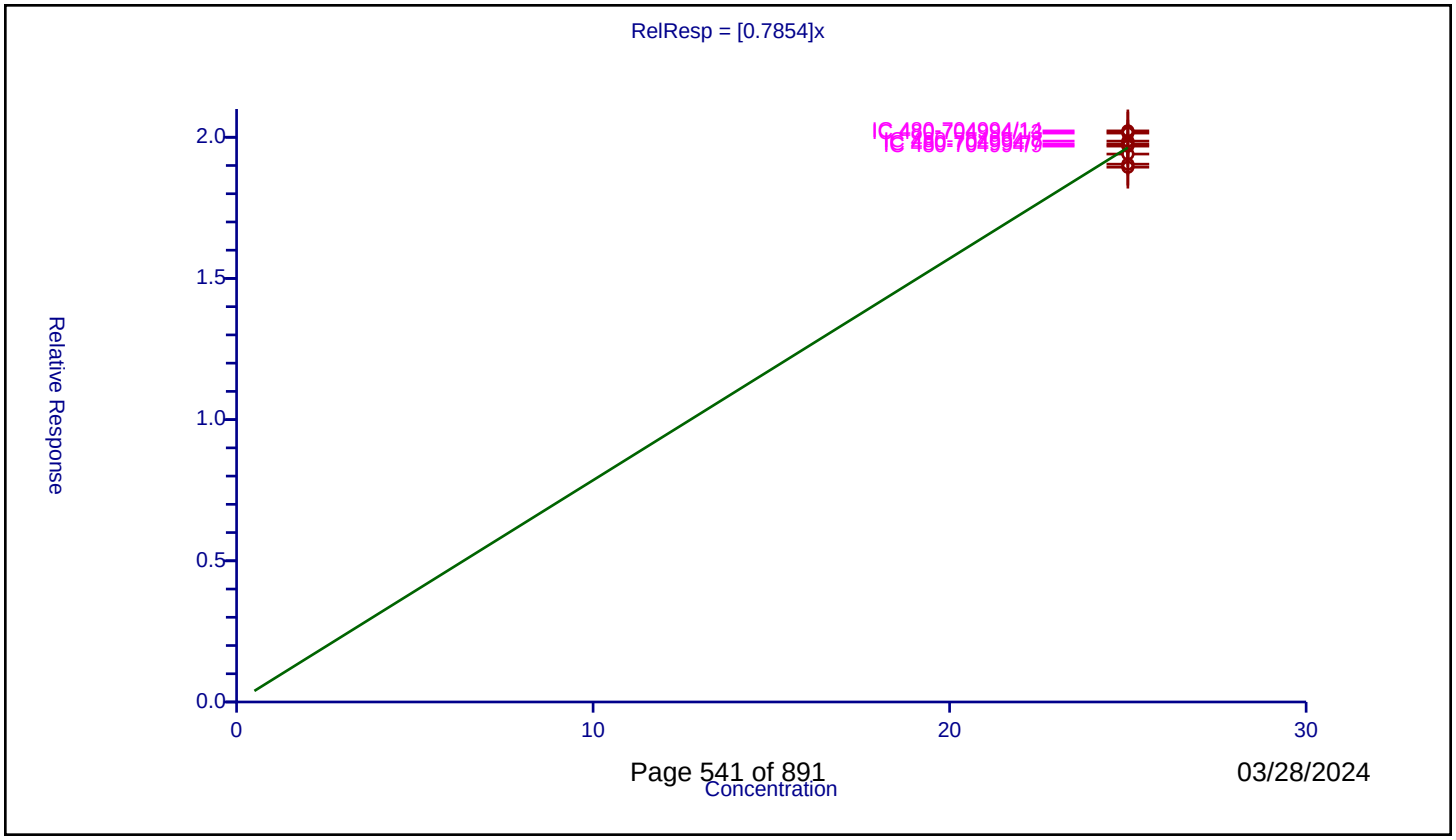
Curve Coefficients

Intercept:	0
Slope:	0.7854

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	25.0	19.757889	25.0	409358.0	0.790316	Y
2	IC 480-704994/8	25.0	19.863683	25.0	399766.0	0.794547	Y
3	IC 480-704994/9	25.0	19.685448	25.0	418182.0	0.787418	Y
4	IC 480-704994/10	25.0	19.404663	25.0	423290.0	0.776187	Y
5	IC 480-704994/11	25.0	18.939672	25.0	406426.0	0.757587	Y
6	ICIS 480-704994/12	25.0	19.046713	25.0	424442.0	0.761869	Y
7	IC 480-704994/13	25.0	20.147034	25.0	424256.0	0.805881	Y
8	IC 480-704994/14	25.0	20.22525	25.0	445128.0	0.80901	Y



Calibration / Bromobenzene

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

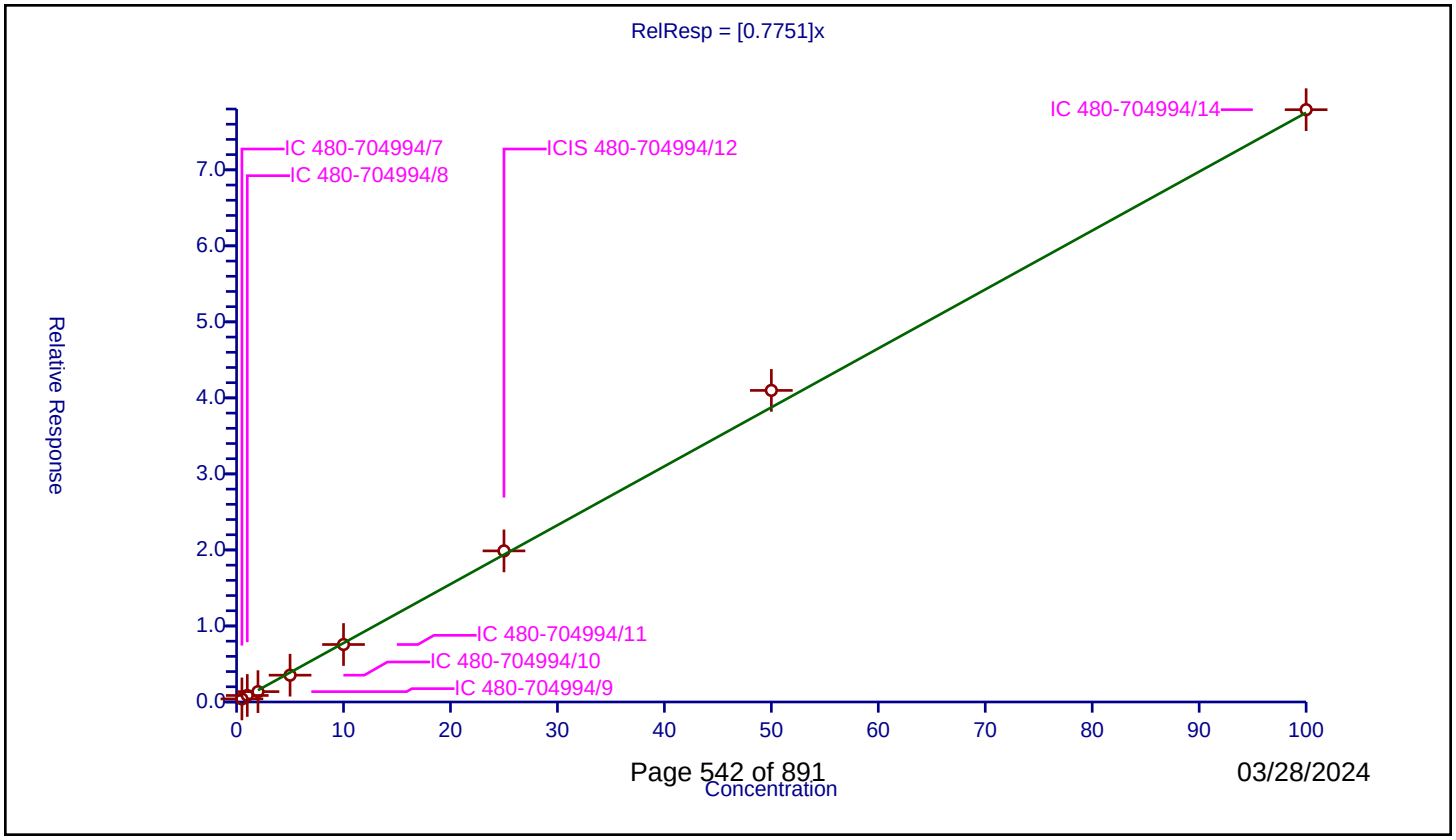
Curve Coefficients

Intercept:	0
Slope:	0.7751

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.404004	25.0	432298.0	0.808007	Y
2	IC 480-704994/8	1.0	0.856831	25.0	420182.0	0.856831	Y
3	IC 480-704994/9	2.0	1.361856	25.0	440612.0	0.680928	Y
4	IC 480-704994/10	5.0	3.526754	25.0	441050.0	0.705351	Y
5	IC 480-704994/11	10.0	7.55955	25.0	418765.0	0.755955	Y
6	ICIS 480-704994/12	25.0	19.875653	25.0	421361.0	0.795026	Y
7	IC 480-704994/13	50.0	40.987196	25.0	419947.0	0.819744	Y
8	IC 480-704994/14	100.0	77.910517	25.0	456010.0	0.779105	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

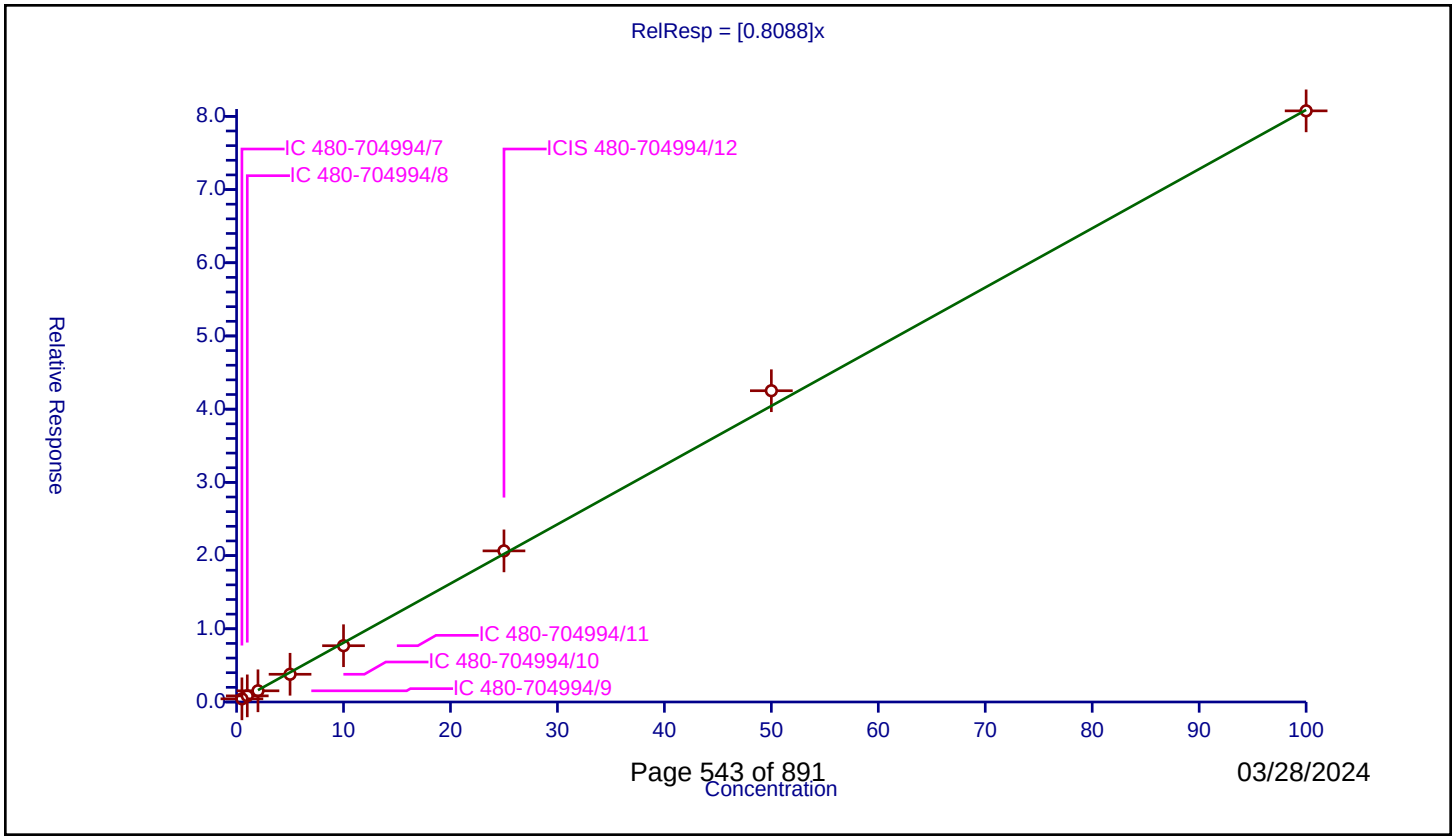
Curve Coefficients

Intercept:	0
Slope:	0.8088

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.430432	25.0	432298.0	0.860864	Y
2	IC 480-704994/8	1.0	0.835293	25.0	420182.0	0.835293	Y
3	IC 480-704994/9	2.0	1.529691	25.0	440612.0	0.764845	Y
4	IC 480-704994/10	5.0	3.788063	25.0	441050.0	0.757613	Y
5	IC 480-704994/11	10.0	7.686889	25.0	418765.0	0.768689	Y
6	ICIS 480-704994/12	25.0	20.640259	25.0	421361.0	0.82561	Y
7	IC 480-704994/13	50.0	42.519056	25.0	419947.0	0.850381	Y
8	IC 480-704994/14	100.0	80.747078	25.0	456010.0	0.807471	Y



Calibration / N-Propylbenzene

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

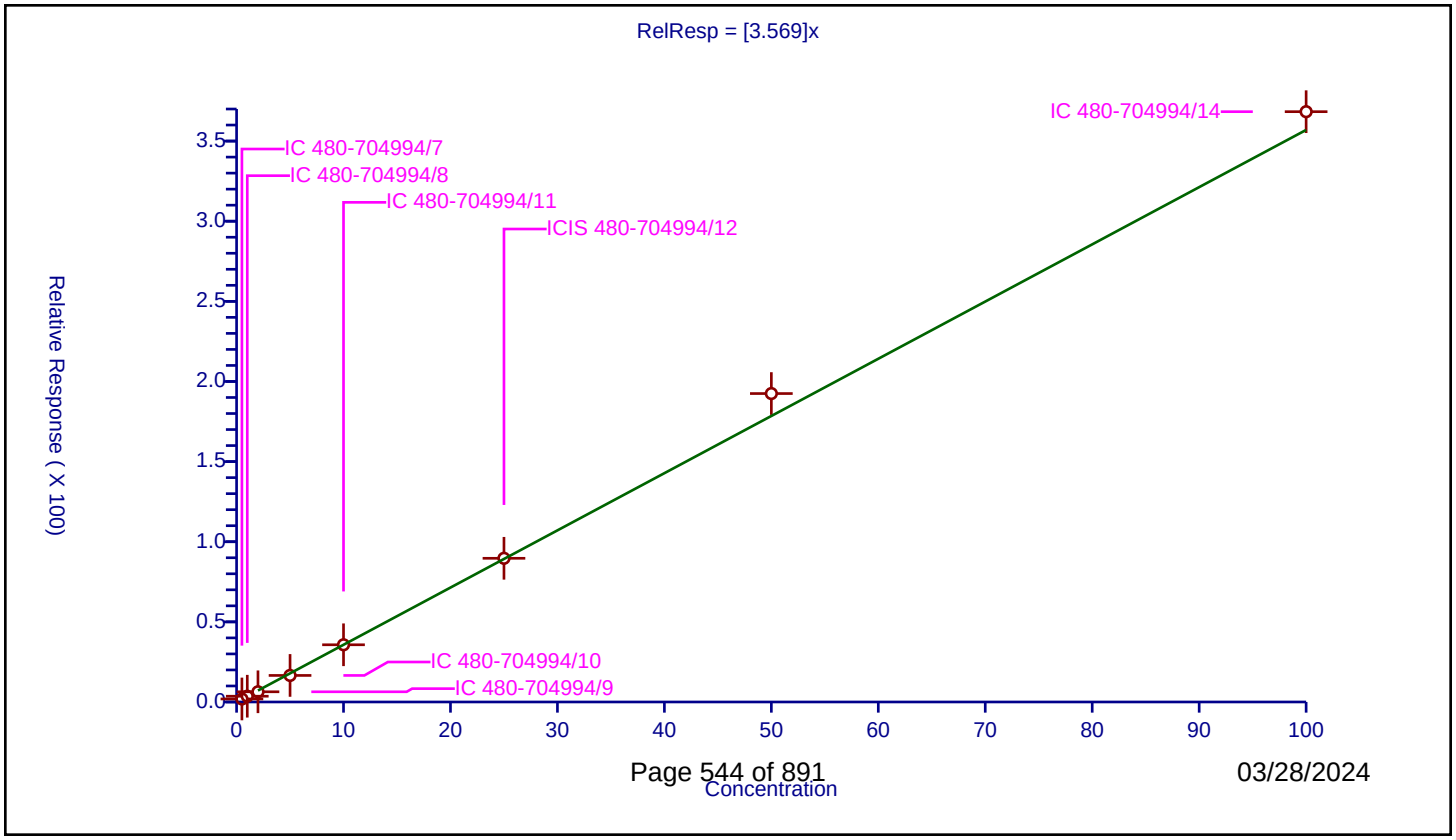
Curve Coefficients

Intercept:	0
Slope:	3.569

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	1.884522	25.0	432298.0	3.769044	Y
2	IC 480-704994/8	1.0	3.601475	25.0	420182.0	3.601475	Y
3	IC 480-704994/9	2.0	6.363252	25.0	440612.0	3.181626	Y
4	IC 480-704994/10	5.0	16.571761	25.0	441050.0	3.314352	Y
5	IC 480-704994/11	10.0	35.693408	25.0	418765.0	3.569341	Y
6	ICIS 480-704994/12	25.0	89.659817	25.0	421361.0	3.586393	Y
7	IC 480-704994/13	50.0	192.452976	25.0	419947.0	3.84906	Y
8	IC 480-704994/14	100.0	368.33803	25.0	456010.0	3.68338	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

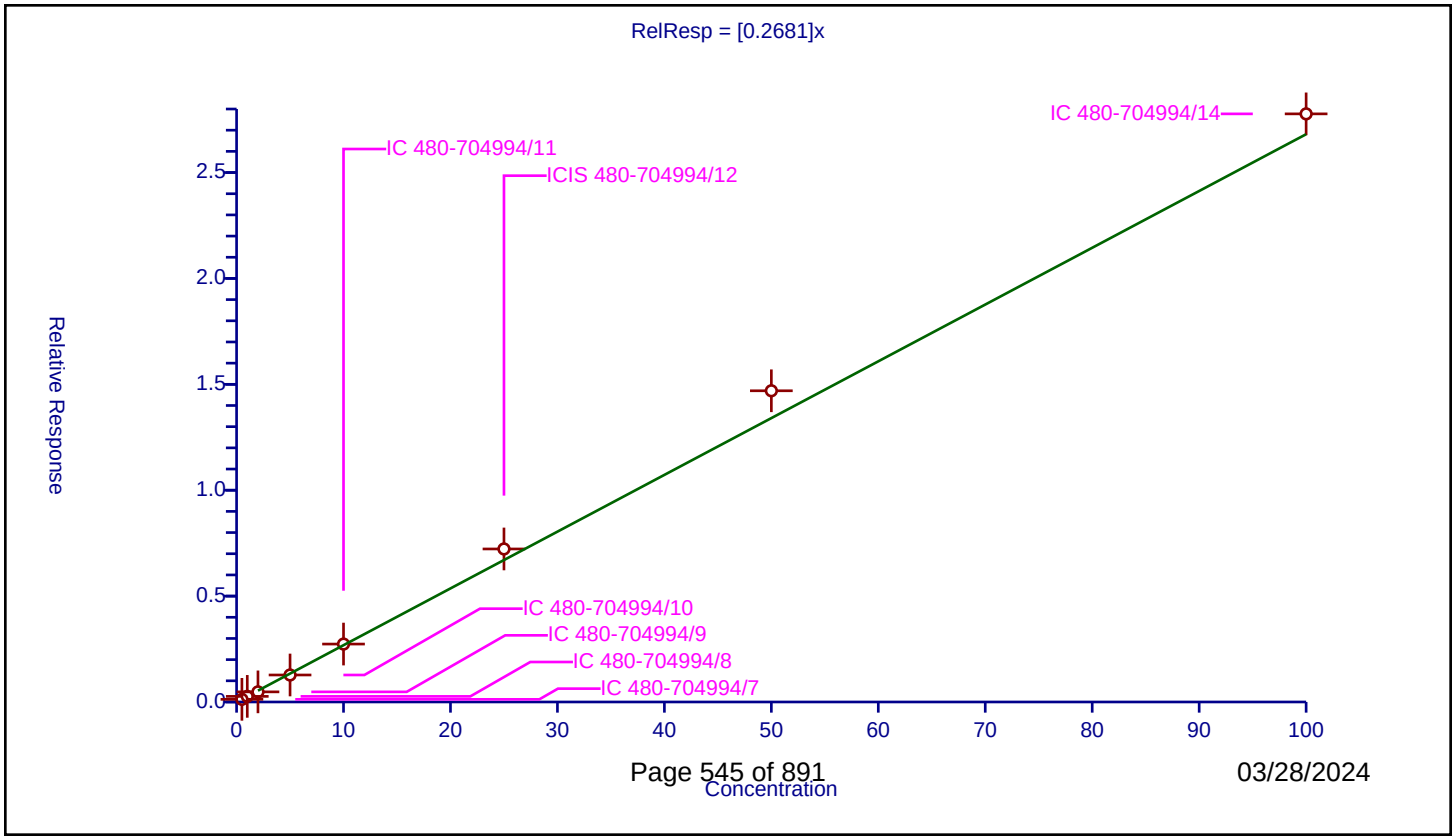
Curve Coefficients

Intercept:	0
Slope:	0.2681

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.125839	25.0	432298.0	0.251678	Y
2	IC 480-704994/8	1.0	0.264707	25.0	420182.0	0.264707	Y
3	IC 480-704994/9	2.0	0.478425	25.0	440612.0	0.239213	Y
4	IC 480-704994/10	5.0	1.274969	25.0	441050.0	0.254994	Y
5	IC 480-704994/11	10.0	2.735066	25.0	418765.0	0.273507	Y
6	ICIS 480-704994/12	25.0	7.226108	25.0	421361.0	0.289044	Y
7	IC 480-704994/13	50.0	14.69495	25.0	419947.0	0.293899	Y
8	IC 480-704994/14	100.0	27.770827	25.0	456010.0	0.277708	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

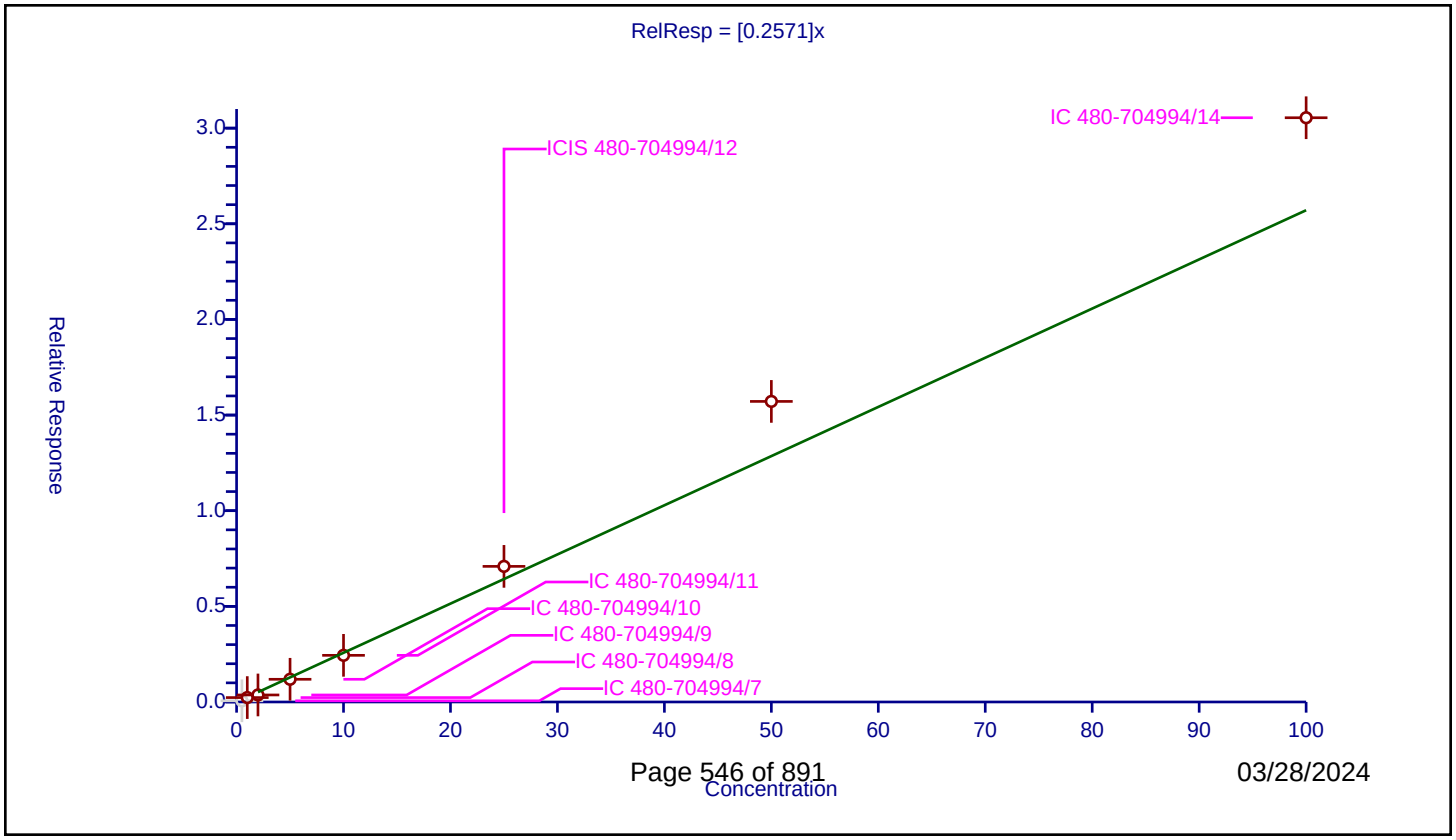
Curve Coefficients

Intercept:	0
Slope:	0.2571

Error Coefficients

Relative Standard Deviation:	18.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.062226	25.0	432298.0	0.124451	N
2	IC 480-704994/8	1.0	0.231031	25.0	420182.0	0.231031	Y
3	IC 480-704994/9	2.0	0.367727	25.0	440612.0	0.183864	Y
4	IC 480-704994/10	5.0	1.187337	25.0	441050.0	0.237467	Y
5	IC 480-704994/11	10.0	2.438778	25.0	418765.0	0.243878	Y
6	ICIS 480-704994/12	25.0	7.089171	25.0	421361.0	0.283567	Y
7	IC 480-704994/13	50.0	15.713292	25.0	419947.0	0.314266	Y
8	IC 480-704994/14	100.0	30.544615	25.0	456010.0	0.305446	Y



Calibration / 2-Chlorotoluene

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

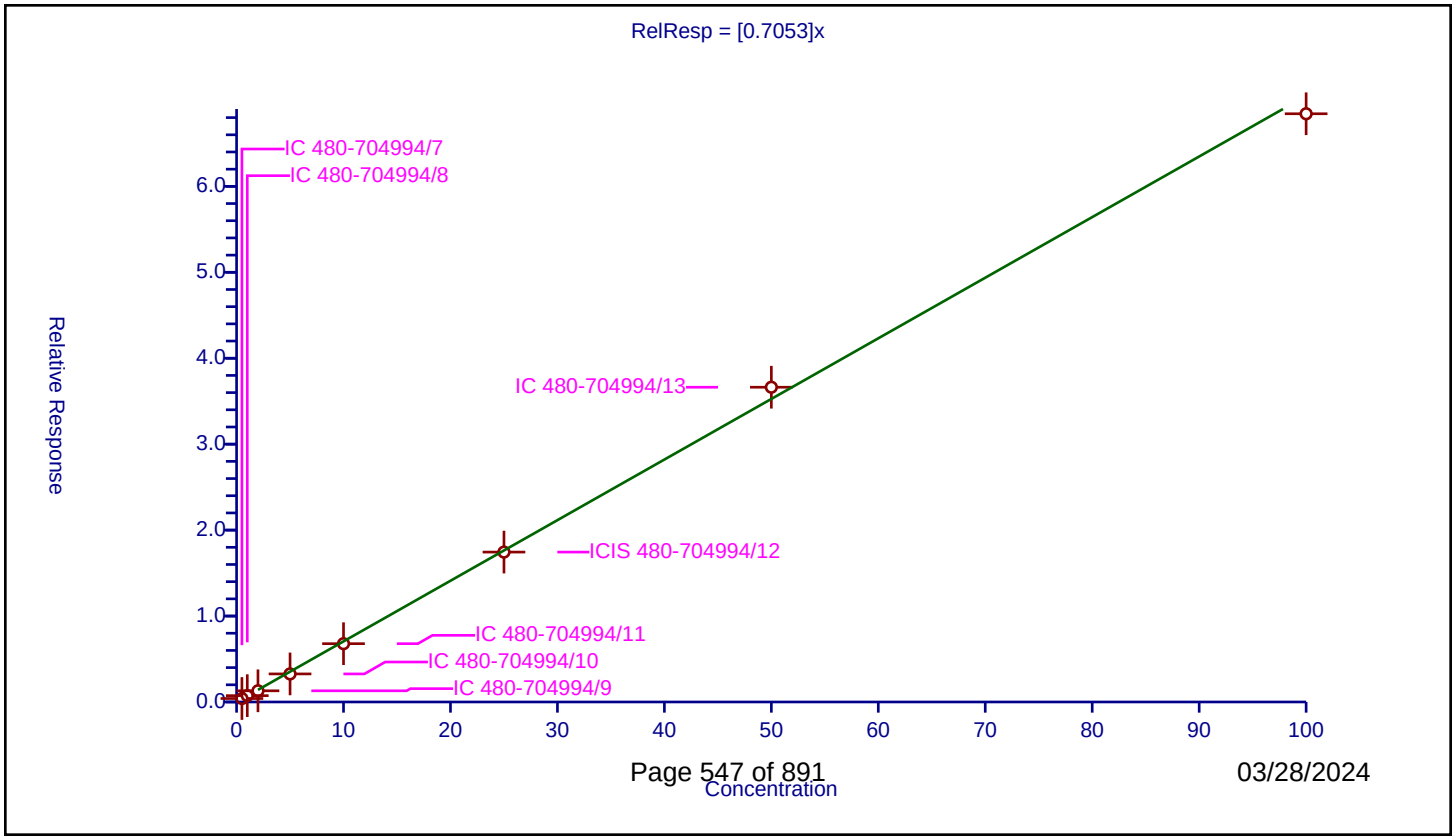
Curve Coefficients

Intercept:	0
Slope:	0.7053

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.404119	25.0	432298.0	0.808239	Y
2	IC 480-704994/8	1.0	0.736764	25.0	420182.0	0.736764	Y
3	IC 480-704994/9	2.0	1.301712	25.0	440612.0	0.650856	Y
4	IC 480-704994/10	5.0	3.265503	25.0	441050.0	0.653101	Y
5	IC 480-704994/11	10.0	6.784235	25.0	418765.0	0.678423	Y
6	ICIS 480-704994/12	25.0	17.442051	25.0	421361.0	0.697682	Y
7	IC 480-704994/13	50.0	36.627301	25.0	419947.0	0.732546	Y
8	IC 480-704994/14	100.0	68.44817	25.0	456010.0	0.684482	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

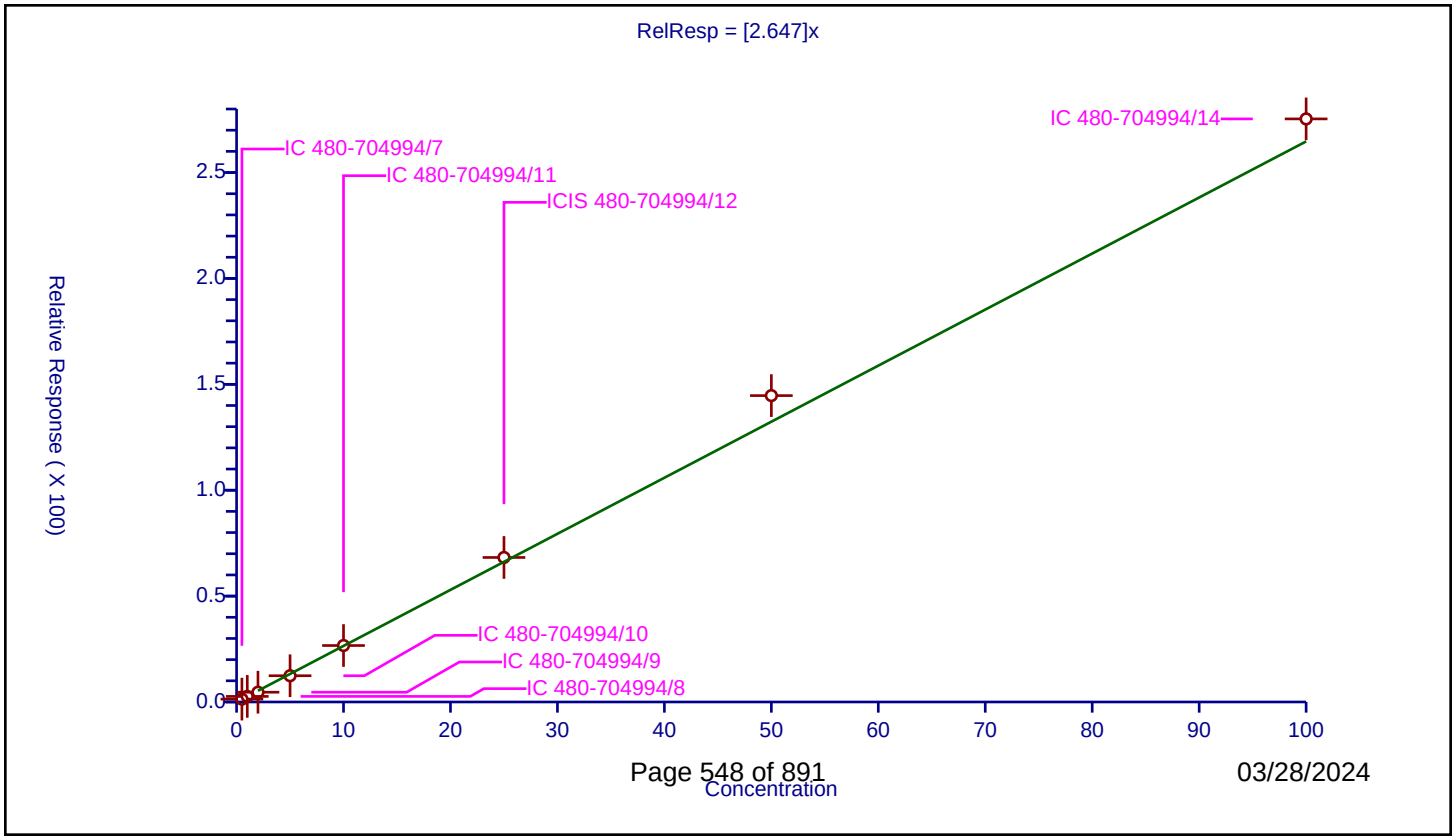
Curve Coefficients

Intercept:	0
Slope:	2.647

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	1.352828	25.0	432298.0	2.705657	Y
2	IC 480-704994/8	1.0	2.641236	25.0	420182.0	2.641236	Y
3	IC 480-704994/9	2.0	4.611767	25.0	440612.0	2.305884	Y
4	IC 480-704994/10	5.0	12.39423	25.0	441050.0	2.478846	Y
5	IC 480-704994/11	10.0	26.669492	25.0	418765.0	2.666949	Y
6	ICIS 480-704994/12	25.0	68.238874	25.0	421361.0	2.729555	Y
7	IC 480-704994/13	50.0	144.670577	25.0	419947.0	2.893412	Y
8	IC 480-704994/14	100.0	275.32735	25.0	456010.0	2.753274	Y



Calibration / 4-Chlorotoluene

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

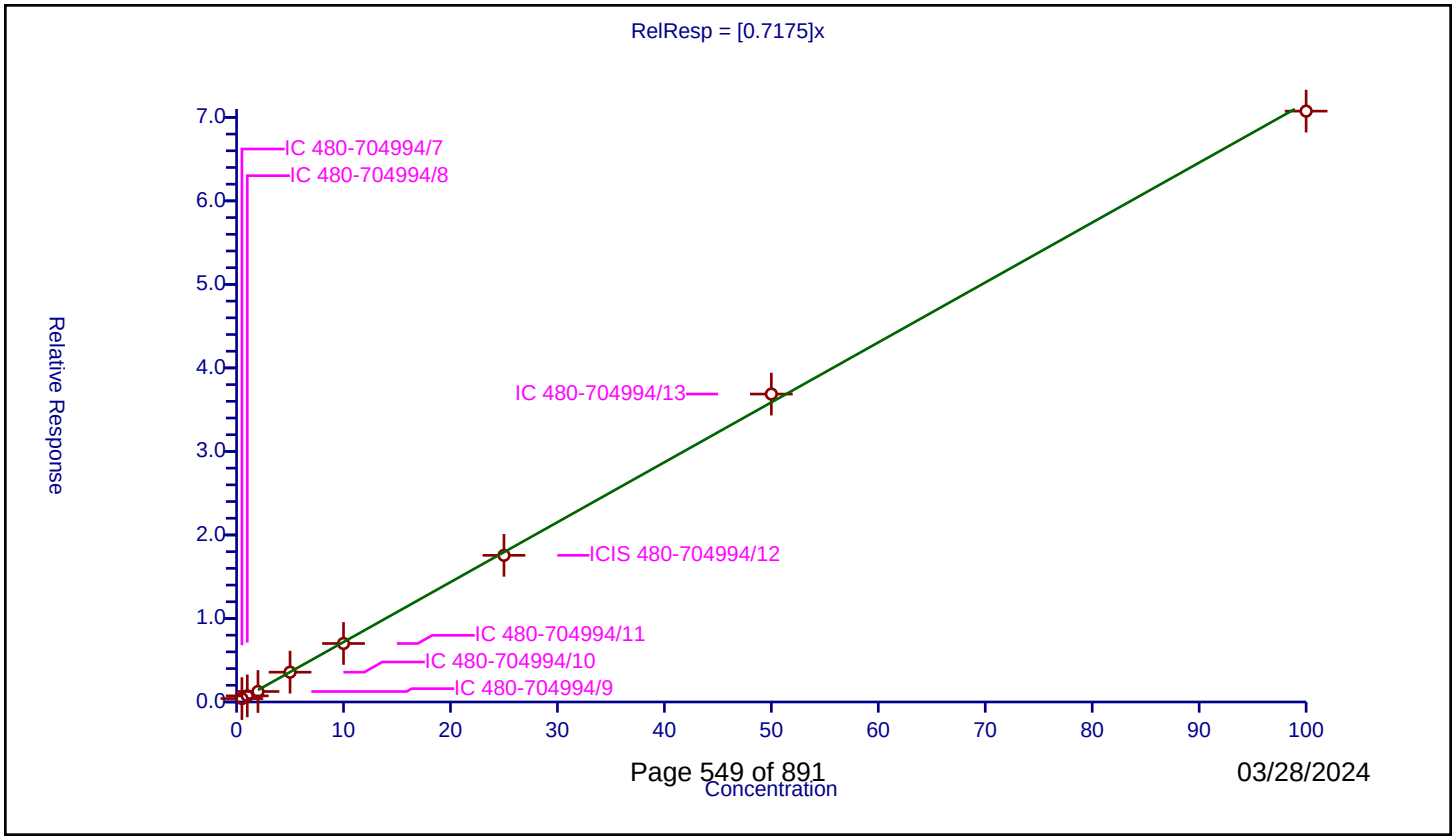
Curve Coefficients

Intercept:	0
Slope:	0.7175

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.408977	25.0	432298.0	0.817954	Y
2	IC 480-704994/8	1.0	0.733194	25.0	420182.0	0.733194	Y
3	IC 480-704994/9	2.0	1.255356	25.0	440612.0	0.627678	Y
4	IC 480-704994/10	5.0	3.56921	25.0	441050.0	0.713842	Y
5	IC 480-704994/11	10.0	7.003689	25.0	418765.0	0.700369	Y
6	ICIS 480-704994/12	25.0	17.558103	25.0	421361.0	0.702324	Y
7	IC 480-704994/13	50.0	36.871855	25.0	419947.0	0.737437	Y
8	IC 480-704994/14	100.0	70.749271	25.0	456010.0	0.707493	Y



Calibration / tert-Butylbenzene

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

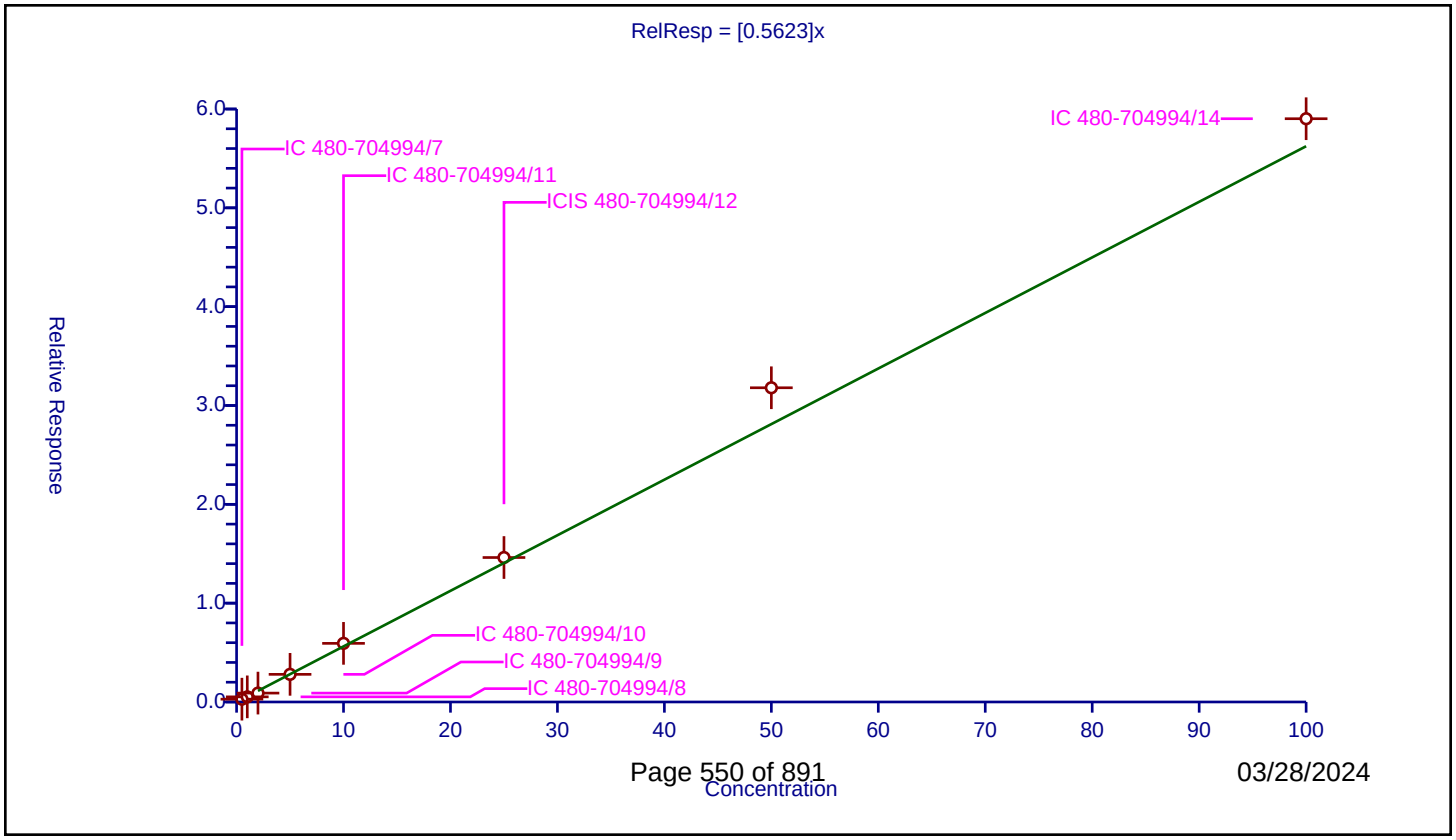
Curve Coefficients

Intercept:	0
Slope:	0.5623

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.283312	25.0	432298.0	0.566623	Y
2	IC 480-704994/8	1.0	0.519061	25.0	420182.0	0.519061	Y
3	IC 480-704994/9	2.0	0.89892	25.0	440612.0	0.44946	Y
4	IC 480-704994/10	5.0	2.797018	25.0	441050.0	0.559404	Y
5	IC 480-704994/11	10.0	5.932265	25.0	418765.0	0.593227	Y
6	ICIS 480-704994/12	25.0	14.618522	25.0	421361.0	0.584741	Y
7	IC 480-704994/13	50.0	31.794548	25.0	419947.0	0.635891	Y
8	IC 480-704994/14	100.0	59.01773	25.0	456010.0	0.590177	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

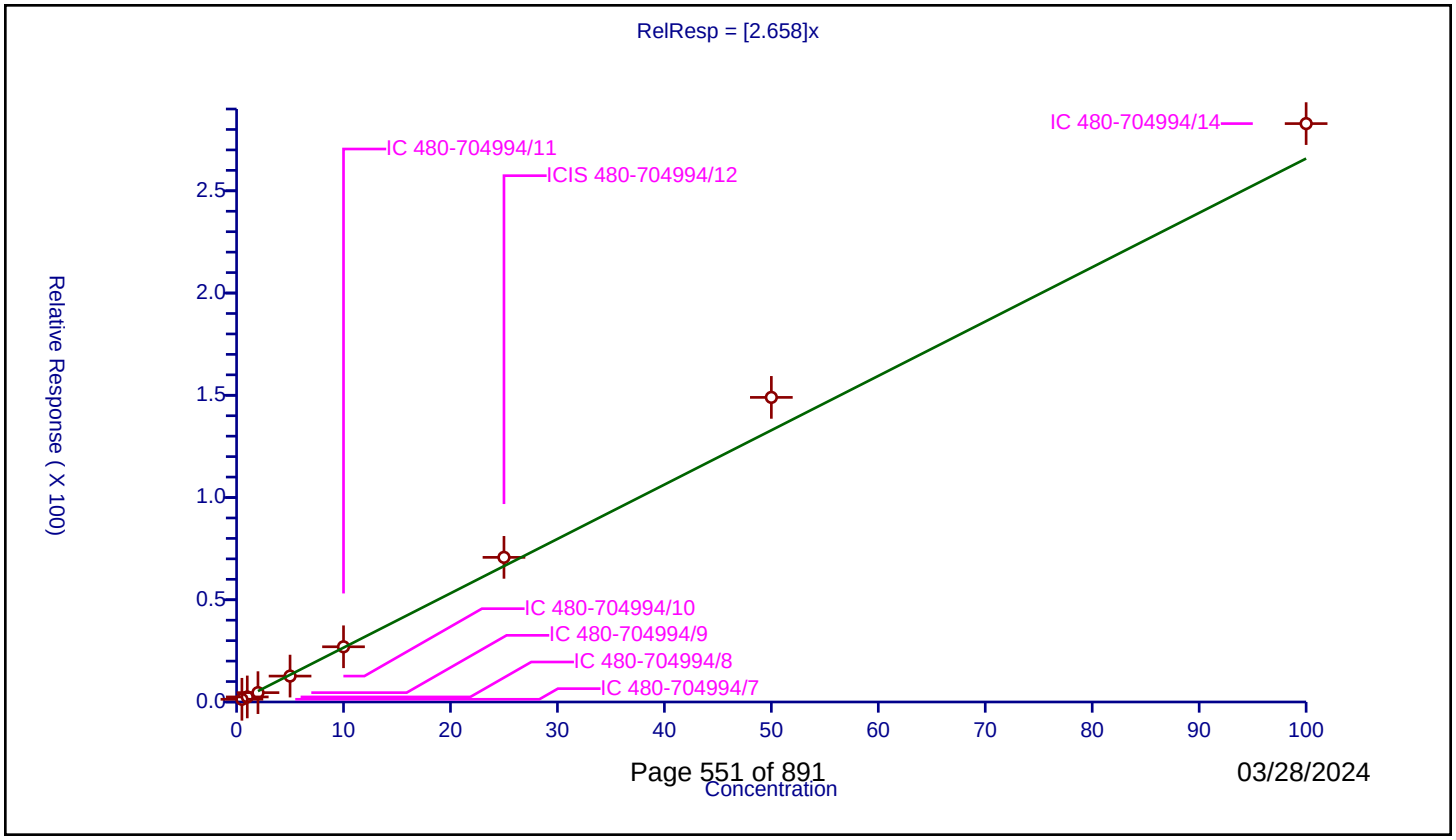
Curve Coefficients

Intercept:	0
Slope:	2.658

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	1.319287	25.0	432298.0	2.638573	Y
2	IC 480-704994/8	1.0	2.46899	25.0	420182.0	2.46899	Y
3	IC 480-704994/9	2.0	4.568192	25.0	440612.0	2.284096	Y
4	IC 480-704994/10	5.0	12.670219	25.0	441050.0	2.534044	Y
5	IC 480-704994/11	10.0	26.996048	25.0	418765.0	2.699605	Y
6	ICIS 480-704994/12	25.0	70.736079	25.0	421361.0	2.829443	Y
7	IC 480-704994/13	50.0	148.971061	25.0	419947.0	2.979421	Y
8	IC 480-704994/14	100.0	282.870058	25.0	456010.0	2.828701	Y



Calibration / sec-Butylbenzene

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

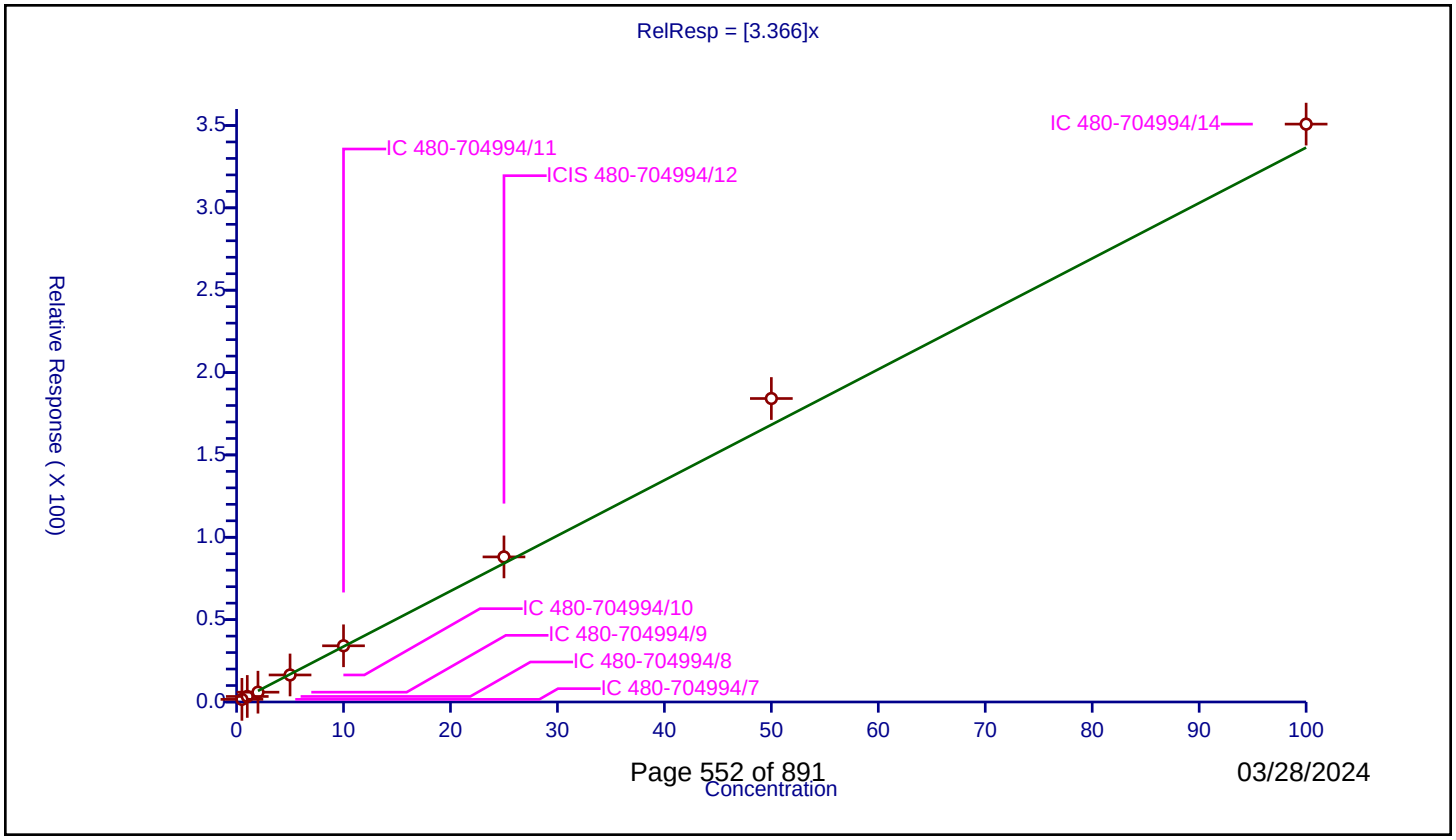
Curve Coefficients

Intercept:	0
Slope:	3.366

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	1.59722	25.0	432298.0	3.19444	Y
2	IC 480-704994/8	1.0	3.353011	25.0	420182.0	3.353011	Y
3	IC 480-704994/9	2.0	5.941679	25.0	440612.0	2.970839	Y
4	IC 480-704994/10	5.0	16.404036	25.0	441050.0	3.280807	Y
5	IC 480-704994/11	10.0	34.114897	25.0	418765.0	3.41149	Y
6	ICIS 480-704994/12	25.0	88.075902	25.0	421361.0	3.523036	Y
7	IC 480-704994/13	50.0	184.251822	25.0	419947.0	3.685036	Y
8	IC 480-704994/14	100.0	350.841484	25.0	456010.0	3.508415	Y



Calibration / 1,3-Dichlorobenzene

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

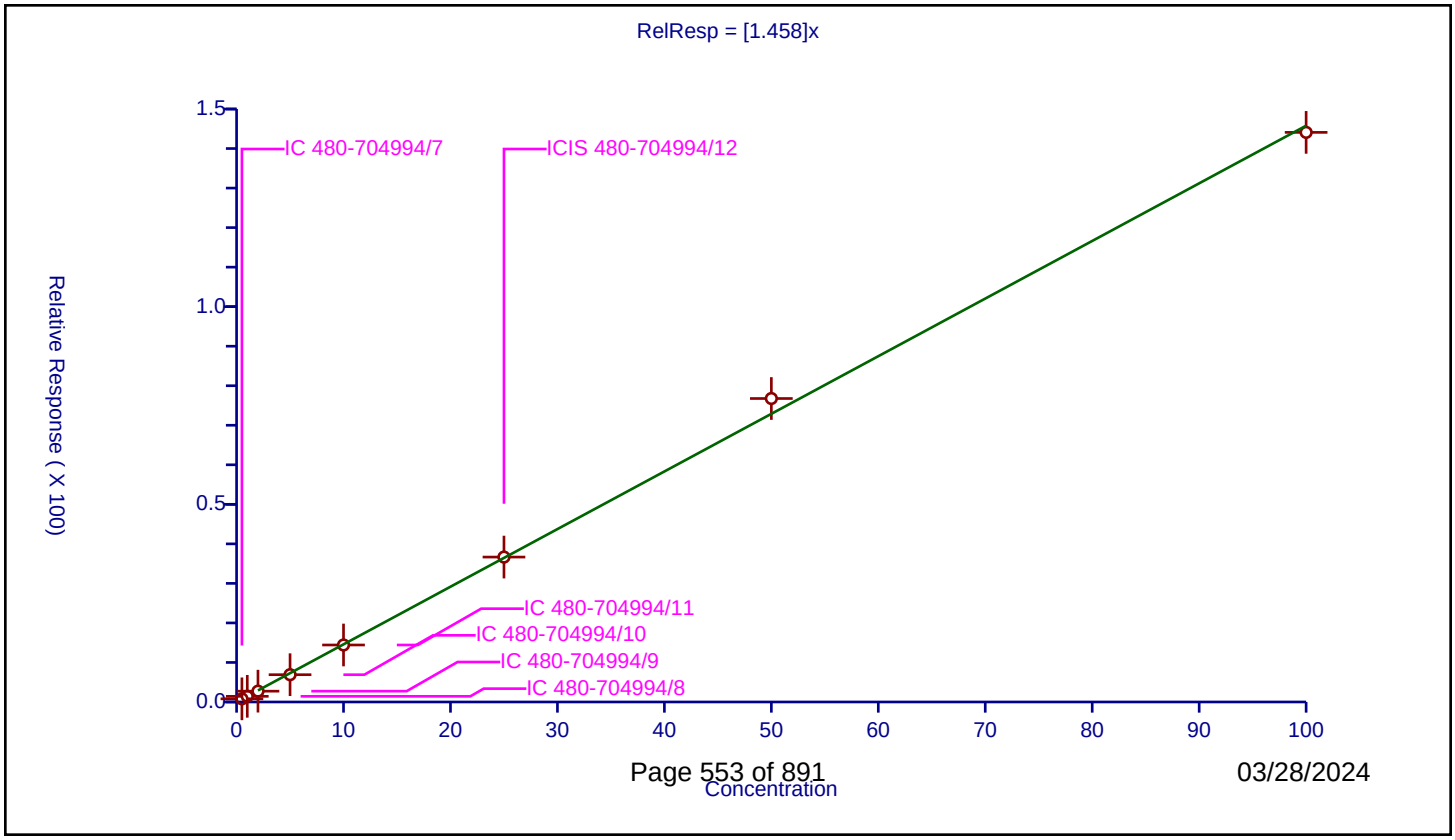
Curve Coefficients

Intercept:	0
Slope:	1.458

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.796384	25.0	432298.0	1.592767	Y
2	IC 480-704994/8	1.0	1.435925	25.0	420182.0	1.435925	Y
3	IC 480-704994/9	2.0	2.736648	25.0	440612.0	1.368324	Y
4	IC 480-704994/10	5.0	6.904433	25.0	441050.0	1.380887	Y
5	IC 480-704994/11	10.0	14.418289	25.0	418765.0	1.441829	Y
6	ICIS 480-704994/12	25.0	36.659005	25.0	421361.0	1.46636	Y
7	IC 480-704994/13	50.0	76.769211	25.0	419947.0	1.535384	Y
8	IC 480-704994/14	100.0	144.089768	25.0	456010.0	1.440898	Y



Calibration / 4-Isopropyltoluene

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

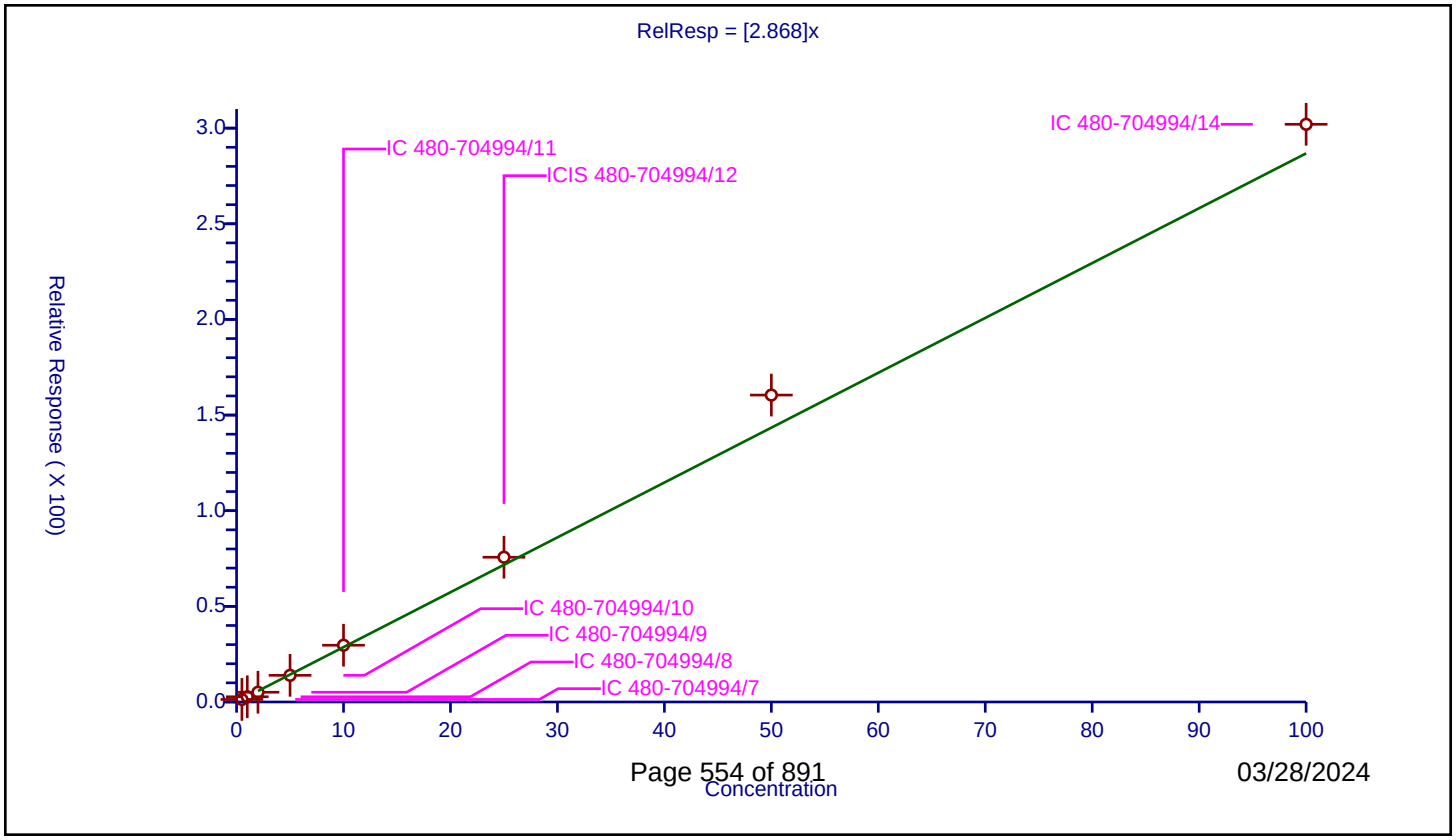
Curve Coefficients

Intercept:	0
Slope:	2.868

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	1.331836	25.0	432298.0	2.663672	Y
2	IC 480-704994/8	1.0	2.725843	25.0	420182.0	2.725843	Y
3	IC 480-704994/9	2.0	5.093427	25.0	440612.0	2.546713	Y
4	IC 480-704994/10	5.0	13.928806	25.0	441050.0	2.785761	Y
5	IC 480-704994/11	10.0	29.670877	25.0	418765.0	2.967088	Y
6	ICIS 480-704994/12	25.0	75.674659	25.0	421361.0	3.026986	Y
7	IC 480-704994/13	50.0	160.459534	25.0	419947.0	3.209191	Y
8	IC 480-704994/14	100.0	302.014046	25.0	456010.0	3.02014	Y



Calibration / 1,4-Dichlorobenzene

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

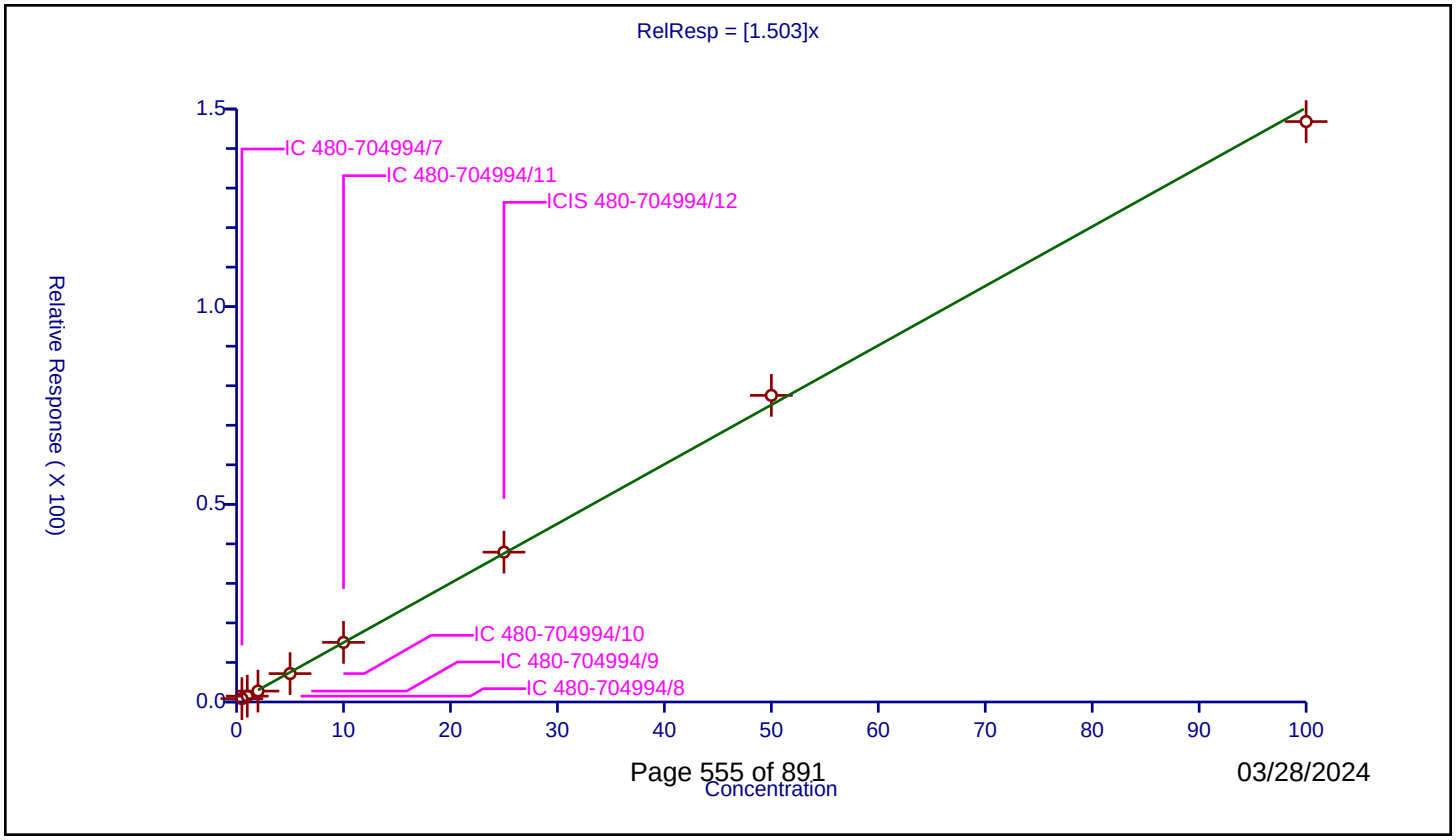
Curve Coefficients

Intercept:	0
Slope:	1.503

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.846176	25.0	432298.0	1.692351	Y
2	IC 480-704994/8	1.0	1.47692	25.0	420182.0	1.47692	Y
3	IC 480-704994/9	2.0	2.753046	25.0	440612.0	1.376523	Y
4	IC 480-704994/10	5.0	7.179968	25.0	441050.0	1.435994	Y
5	IC 480-704994/11	10.0	15.078564	25.0	418765.0	1.507856	Y
6	ICIS 480-704994/12	25.0	37.903188	25.0	421361.0	1.516128	Y
7	IC 480-704994/13	50.0	77.555382	25.0	419947.0	1.551108	Y
8	IC 480-704994/14	100.0	146.82337	25.0	456010.0	1.468234	Y



Calibration / n-Butylbenzene

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

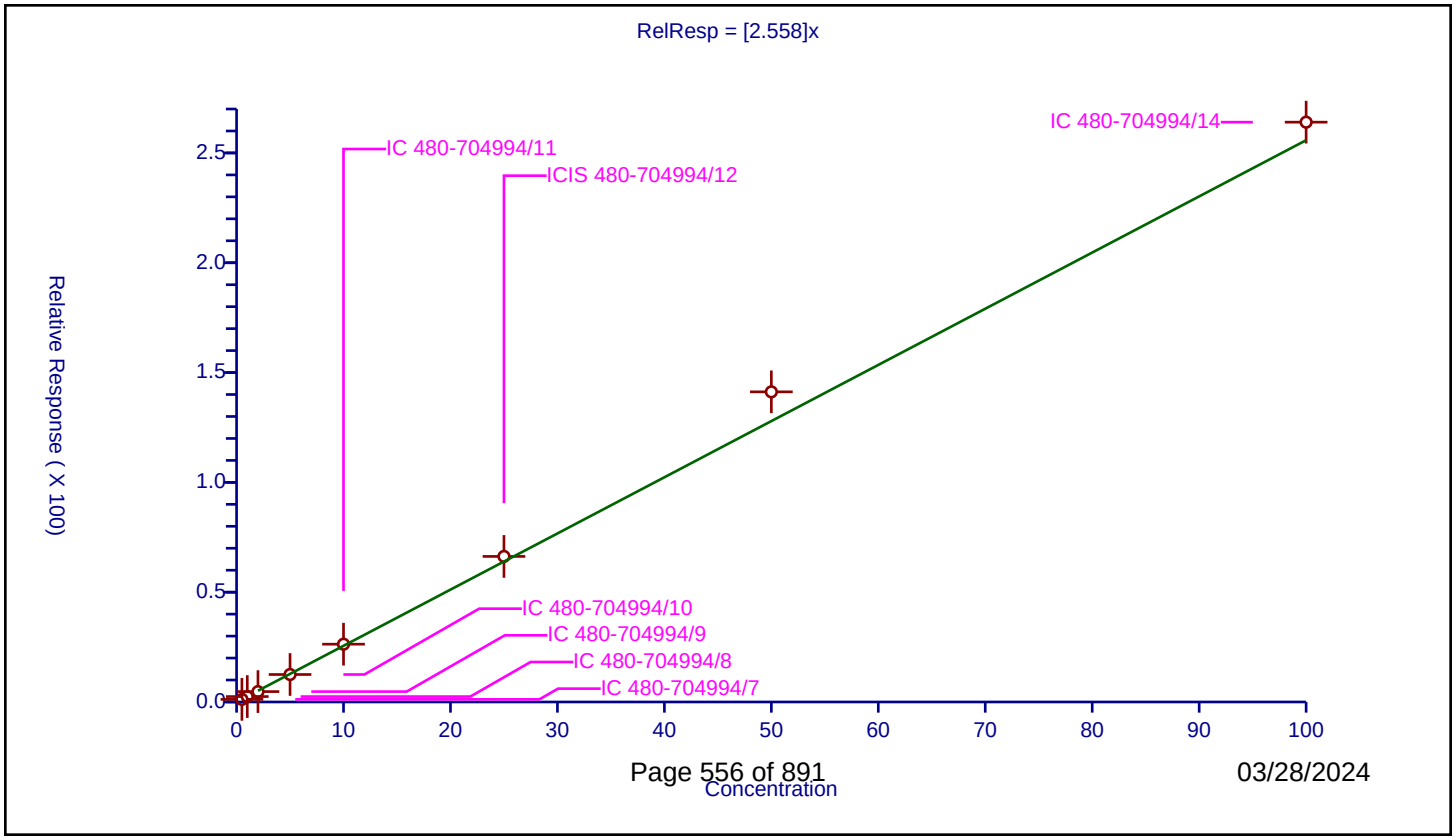
Curve Coefficients

Intercept:	0
Slope:	2.558

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	1.192291	25.0	432298.0	2.384582	Y
2	IC 480-704994/8	1.0	2.467264	25.0	420182.0	2.467264	Y
3	IC 480-704994/9	2.0	4.723884	25.0	440612.0	2.361942	Y
4	IC 480-704994/10	5.0	12.513944	25.0	441050.0	2.502789	Y
5	IC 480-704994/11	10.0	26.312252	25.0	418765.0	2.631225	Y
6	ICIS 480-704994/12	25.0	66.276957	25.0	421361.0	2.651078	Y
7	IC 480-704994/13	50.0	141.213832	25.0	419947.0	2.824277	Y
8	IC 480-704994/14	100.0	264.009232	25.0	456010.0	2.640092	Y



Calibration / 1,2-Dichlorobenzene

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

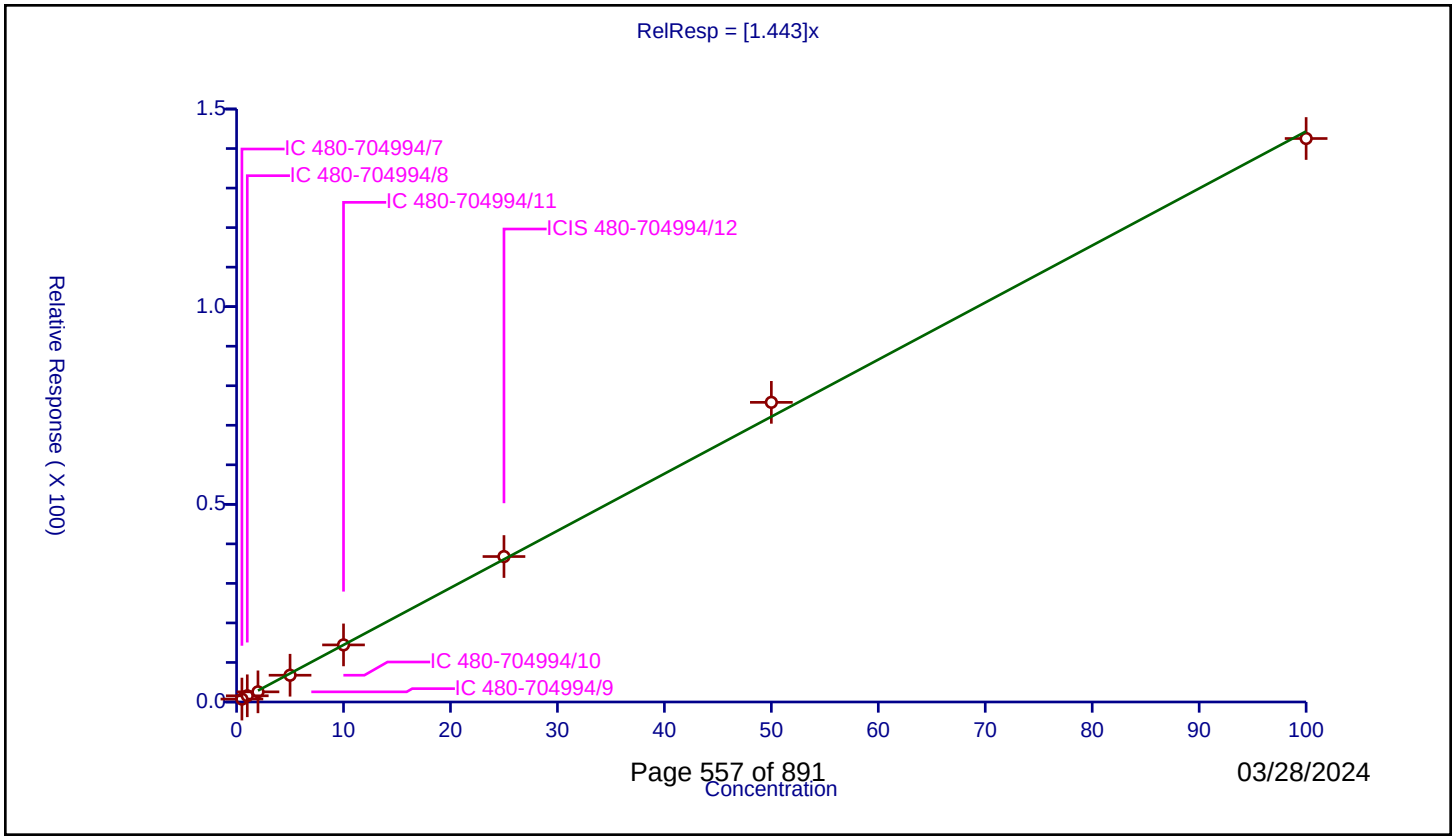
Curve Coefficients

Intercept:	0
Slope:	1.443

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.741618	25.0	432298.0	1.483236	Y
2	IC 480-704994/8	1.0	1.570391	25.0	420182.0	1.570391	Y
3	IC 480-704994/9	2.0	2.567281	25.0	440612.0	1.283641	Y
4	IC 480-704994/10	5.0	6.76624	25.0	441050.0	1.353248	Y
5	IC 480-704994/11	10.0	14.439841	25.0	418765.0	1.443984	Y
6	ICIS 480-704994/12	25.0	36.79084	25.0	421361.0	1.471634	Y
7	IC 480-704994/13	50.0	75.800041	25.0	419947.0	1.516001	Y
8	IC 480-704994/14	100.0	142.537993	25.0	456010.0	1.42538	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

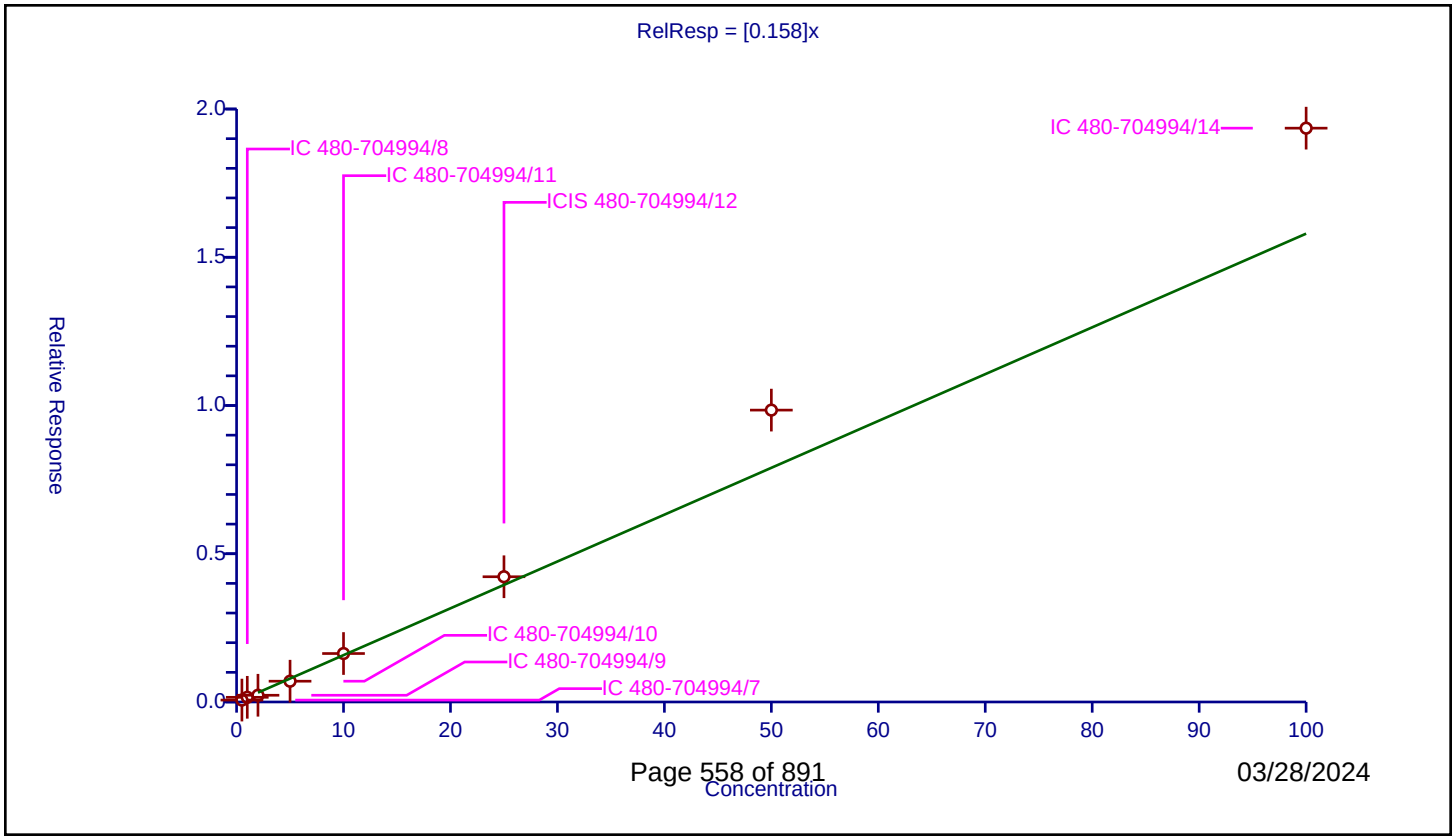
Curve Coefficients

Intercept:	0
Slope:	0.158

Error Coefficients

Relative Standard Deviation:	18.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.064481	25.0	432298.0	0.128962	Y
2	IC 480-704994/8	1.0	0.158086	25.0	420182.0	0.158086	Y
3	IC 480-704994/9	2.0	0.227127	25.0	440612.0	0.113564	Y
4	IC 480-704994/10	5.0	0.701111	25.0	441050.0	0.140222	Y
5	IC 480-704994/11	10.0	1.634449	25.0	418765.0	0.163445	Y
6	ICIS 480-704994/12	25.0	4.224169	25.0	421361.0	0.168967	Y
7	IC 480-704994/13	50.0	9.844337	25.0	419947.0	0.196887	Y
8	IC 480-704994/14	100.0	19.354565	25.0	456010.0	0.193546	Y



Calibration / 1,2,4-Trichlorobenzene

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

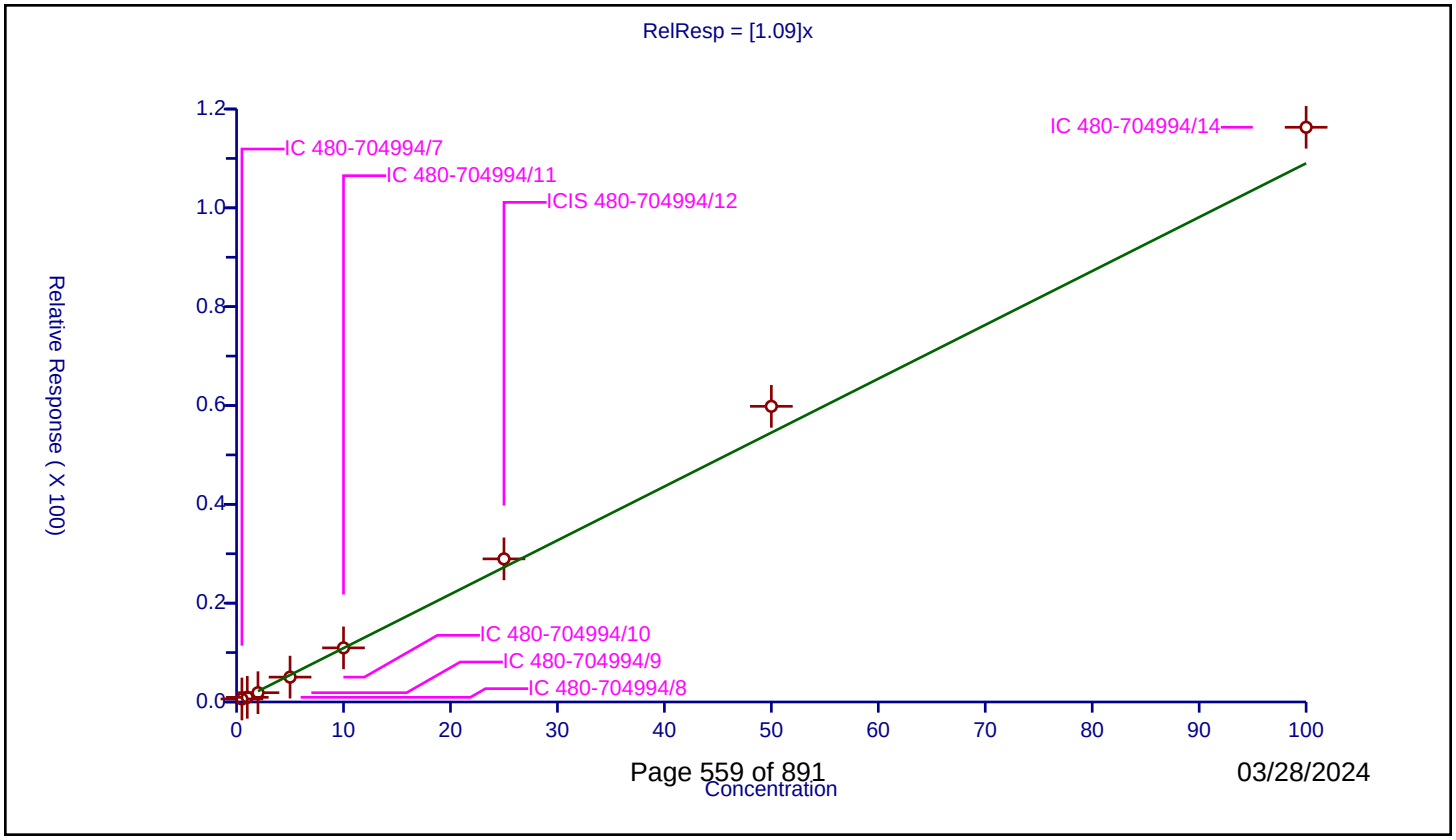
Curve Coefficients

Intercept:	0
Slope:	1.09

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.611268	25.0	432298.0	1.222536	Y
2	IC 480-704994/8	1.0	0.940009	25.0	420182.0	0.940009	Y
3	IC 480-704994/9	2.0	1.87824	25.0	440612.0	0.93912	Y
4	IC 480-704994/10	5.0	5.029588	25.0	441050.0	1.005918	Y
5	IC 480-704994/11	10.0	10.953339	25.0	418765.0	1.095334	Y
6	ICIS 480-704994/12	25.0	28.960796	25.0	421361.0	1.158432	Y
7	IC 480-704994/13	50.0	59.832074	25.0	419947.0	1.196641	Y
8	IC 480-704994/14	100.0	116.303974	25.0	456010.0	1.16304	Y



Calibration / Hexachlorobutadiene

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

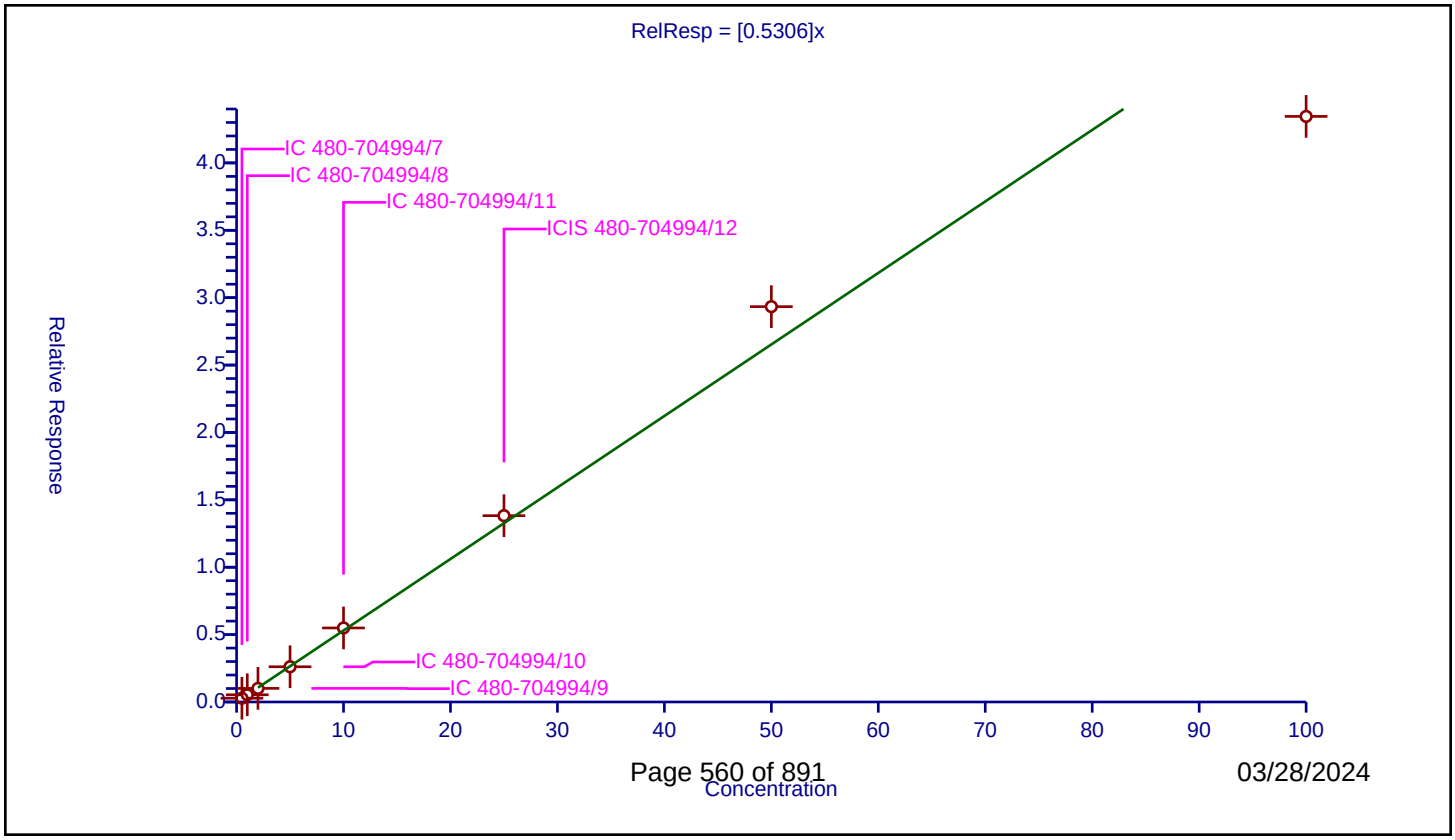
Curve Coefficients

Intercept:	0
Slope:	0.5306

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.279148	25.0	432298.0	0.558295	Y
2	IC 480-704994/8	1.0	0.534292	25.0	420182.0	0.534292	Y
3	IC 480-704994/9	2.0	1.010867	25.0	440612.0	0.505433	Y
4	IC 480-704994/10	5.0	2.614443	25.0	441050.0	0.522889	Y
5	IC 480-704994/11	10.0	5.494848	25.0	418765.0	0.549485	Y
6	ICIS 480-704994/12	25.0	13.8252	25.0	421361.0	0.553008	Y
7	IC 480-704994/13	50.0	29.335904	25.0	419947.0	0.586718	Y
8	IC 480-704994/14	100.0	43.451898	25.0	456010.0	0.434519	Y



Calibration / Naphthalene

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

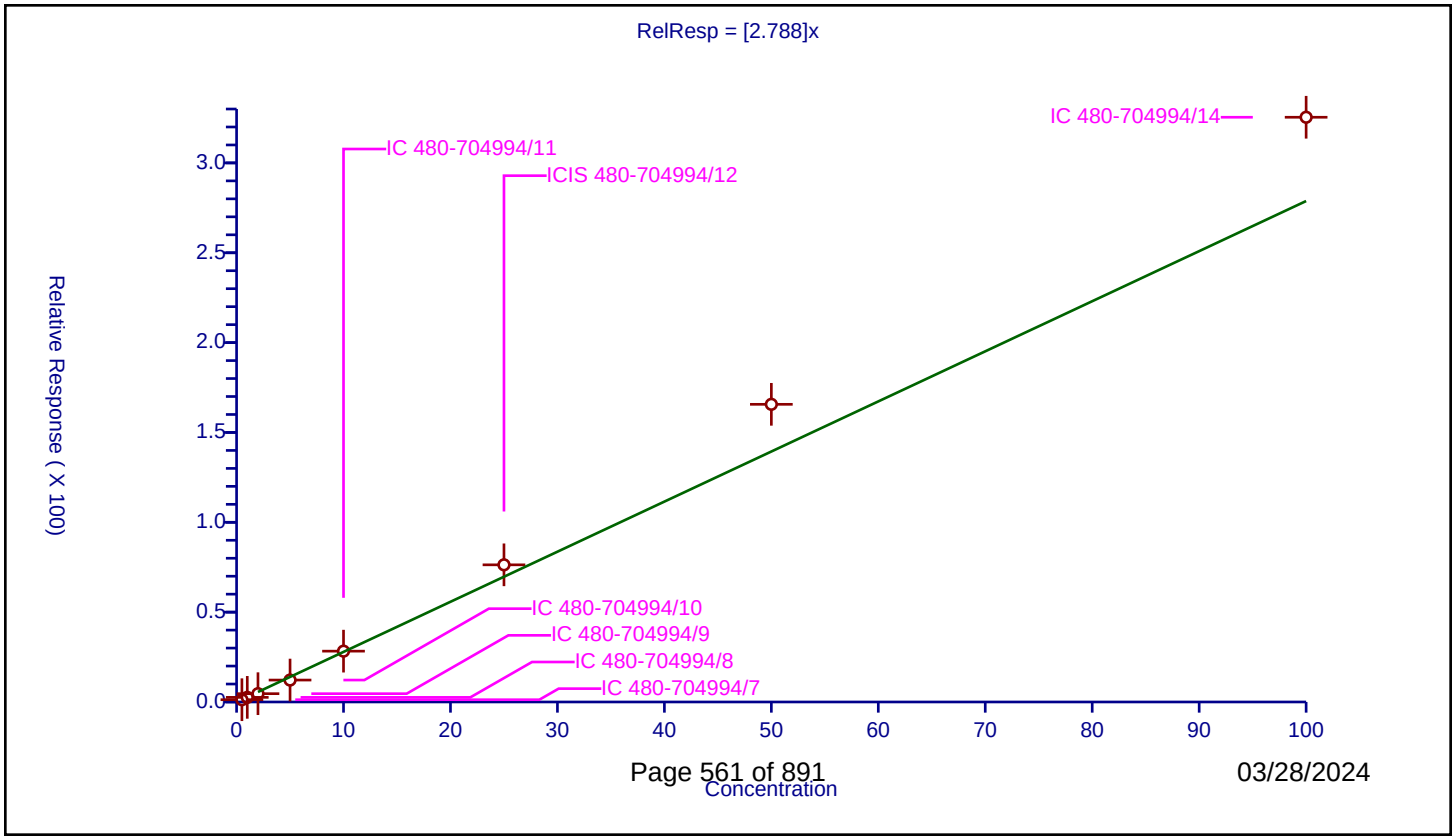
Curve Coefficients

Intercept:	0
Slope:	2.788

Error Coefficients

Relative Standard Deviation:	13.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	1.265504	25.0	432298.0	2.531009	Y
2	IC 480-704994/8	1.0	2.56847	25.0	420182.0	2.56847	Y
3	IC 480-704994/9	2.0	4.625498	25.0	440612.0	2.312749	Y
4	IC 480-704994/10	5.0	12.1989	25.0	441050.0	2.43978	Y
5	IC 480-704994/11	10.0	28.299345	25.0	418765.0	2.829934	Y
6	ICIS 480-704994/12	25.0	76.333358	25.0	421361.0	3.053334	Y
7	IC 480-704994/13	50.0	165.655309	25.0	419947.0	3.313106	Y
8	IC 480-704994/14	100.0	325.420331	25.0	456010.0	3.254203	Y



Calibration / 1,2,3-Trichlorobenzene

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

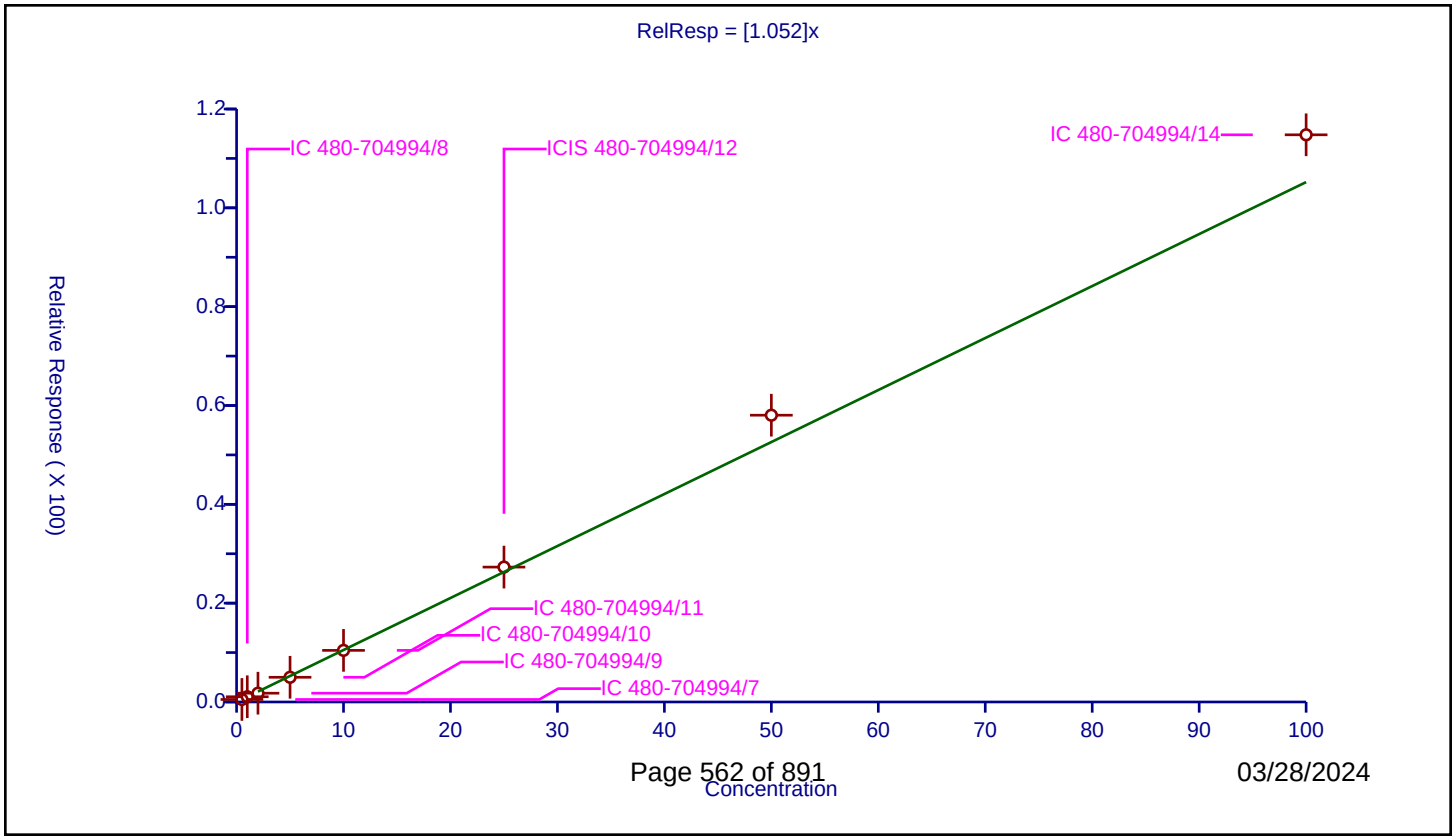
Curve Coefficients

Intercept:	0
Slope:	1.052

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-704994/7	0.5	0.510354	25.0	432298.0	1.020708	Y
2	IC 480-704994/8	1.0	1.062813	25.0	420182.0	1.062813	Y
3	IC 480-704994/9	2.0	1.776563	25.0	440612.0	0.888282	Y
4	IC 480-704994/10	5.0	4.99915	25.0	441050.0	0.99983	Y
5	IC 480-704994/11	10.0	10.445715	25.0	418765.0	1.044572	Y
6	ICIS 480-704994/12	25.0	27.300581	25.0	421361.0	1.092023	Y
7	IC 480-704994/13	50.0	58.036252	25.0	419947.0	1.160725	Y
8	IC 480-704994/14	100.0	114.783283	25.0	456010.0	1.147833	Y



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

Lab Name: Eurofins Buffalo Job No.: 480-218035-1 Analy Batch No.: 703484

SDG No.:

Instrument ID: HP5977K GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 19:57 Calibration End Date: 03/12/2024 22:34 Calibration ID: 46218

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-703484/7	K2831.D
Level 2	IC 480-703484/8	K2832.D
Level 3	IC 480-703484/9	K2833.D
Level 4	IC 480-703484/10	K2834.D
Level 5	IC 480-703484/11	K2835.D
Level 6	ICIS 480-703484/12	K2836.D
Level 7	IC 480-703484/13	K2837.D
Level 8	IC 480-703484/14	K2838.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 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	2.3200 2.2901	2.2706 2.2807	2.1352 2.3459	2.3948	2.5144	Ave		2.3190			0.1000	4.7		20.0			
Chloromethane	2.1348 2.0236	2.2178 2.0247	1.8397 2.0236	2.0061	2.1460	Ave		2.0520			0.1000	5.6		20.0			
Vinyl chloride	2.0593 1.6300	1.7850 1.6518	1.5627 1.6778	1.6514	1.7801	Ave		1.7247			0.1000	8.9		20.0			
Butadiene	2.2413 1.9020	1.8873 1.9083	1.7778 1.9227	1.9106	2.0537	Ave		1.9505				7.1		20.0			
Bromomethane	+++++ 0.8184	0.9717 0.8173	0.8686 0.8364	0.8540	0.8790	Ave		0.8636			0.1000	6.2		20.0			
Chloroethane	1.0177 0.8278	0.7898 0.8436	0.8202 0.8662	0.8078	0.9098	Ave		0.8604			0.1000	8.6		20.0			
Dichlorofluoromethane	3.7306 2.9906	3.2101 3.0879	2.9724 3.0848	2.9943	3.2866	Ave		3.1696				8.0		20.0			
Trichlorofluoromethane	2.8432 2.6113	2.6744 2.6694	2.5468 2.7692	2.6582	2.9396	Ave		2.7140			0.1000	4.7		20.0			
Ethyl ether	1.8750 1.6003	1.7054 1.5793	1.4474 1.5789	1.5878	1.4947	Ave		1.6086				8.2		20.0			
Acrolein	+++++ 0.0790	0.0793 0.0789	0.0724 0.0780	0.0657	0.0689	Ave		0.0746				7.5		20.0			
1,1-Dichloroethene	1.4335 1.2684	1.3825 1.3041	1.2210 1.2756	1.2668	1.2708	Ave		1.3028			0.1000	5.4		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.4677 1.4227	1.5218 1.4487	1.2869 1.4562	1.3987	1.4872	Ave		1.4362			0.1000	4.9		20.0			
Acetone	0.8501 0.7774	0.8065 0.7539	0.6335 0.8357	0.6314	0.6088	Ave		0.7372			0.1000	13.3		20.0			

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

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

Lab Name: Eurofins Buffalo Job No.: 480-218035-1 Analy Batch No.: 703484

SDG No.:

Instrument ID: HP5977K GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 19:57 Calibration End Date: 03/12/2024 22:34 Calibration ID: 46218

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Iodomethane	2.5704 2.1948	2.4589 2.2640	1.9830 2.2533	2.2140	2.1600	Ave		2.2623				8.0		20.0			
Carbon disulfide	4.3347 3.5300	4.0004 3.6868	3.5345 3.5943	3.6906	3.5939	Ave		3.7456			0.1000	7.5		20.0			
Allyl chloride	3.1350 2.6429	2.8943 2.7508	2.3326 2.6926	2.6780	2.5768	Ave		2.7129				8.6		20.0			
Methyl acetate	1.7677 1.9164	1.7993 1.8416	1.5310 1.7797	1.5880	1.7195	Ave		1.7429			0.1000	7.3		20.0			
Methylene Chloride	1.9235 1.4344	1.8303 1.4401	1.4011 1.4201	1.4115	1.4666	Lin1	0.2152	1.4234			0.1000	7.0			1.0000		0.9900
2-Methyl-2-propanol	+++++ 0.3501	0.3496 0.3452	0.3167 0.3544	0.3253	0.3168	Ave		0.3369				4.9		20.0			
Methyl tert-butyl ether	4.9861 4.5376	4.8845 4.4296	4.3993 4.4593	4.3412	4.3046	Ave		4.5428			0.1000	5.6		20.0			
trans-1,2-Dichloroethene	1.6812 1.4433	1.5578 1.4617	1.3393 1.4182	1.4925	1.4763	Ave		1.4838			0.1000	6.8		20.0			
Acrylonitrile	1.0596 1.1722	1.2208 1.0828	1.0788 1.1154	1.0419	1.1466	Ave		1.1147				5.5		20.0			
Hexane	2.6544 2.4619	2.9192 2.5619	2.6368 2.5527	2.7000	2.5548	Ave		2.6302				5.3		20.0			
1,1-Dichloroethane	3.2532 3.0692	3.4202 3.1706	2.8159 3.1185	3.0460	3.1652	Ave		3.1323			0.2000	5.6		20.0			
Vinyl acetate	2.7419 3.3539	3.2622 3.3983	3.0047 3.5419	2.9580	3.1220	Ave		3.1729				8.3		20.0			
2,2-Dichloropropane	1.8700 1.6799	1.9060 1.7013	1.4599 1.5936	1.5562	1.6343	Ave		1.6752				9.0		20.0			
cis-1,2-Dichloroethene	1.6727 1.5637	1.7646 1.6212	1.3814 1.5849	1.5433	1.5524	Ave		1.5855			0.1000	7.0		20.0			
2-Butanone (MEK)	0.9573 1.1440	1.0516 1.1127	0.9629 1.1794	1.0040	0.9728	Ave		1.0481			0.1000	8.4		20.0			
Chlorobromomethane	0.6392 0.7961	0.8262 0.7808	0.7602 0.7845	0.7777	0.7707	Ave		0.7669				7.2		20.0			
Tetrahydrofuran	0.8860 0.7855	0.8148 0.7861	0.7304 0.7990	0.7467	0.7100	Ave		0.7823				7.1		20.0			
Chloroform	3.2694 2.6512	3.3141 2.7168	2.6017 2.6760	2.6432	2.6829	Ave		2.8194			0.2000	10.4		20.0			

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

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

Lab Name: Eurofins Buffalo Job No.: 480-218035-1 Analy Batch No.: 703484

SDG No.:

Instrument ID: HP5977K GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 19:57 Calibration End Date: 03/12/2024 22:34 Calibration ID: 46218

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	2.5236 2.4562	2.6931 2.5583	2.1533 2.5291	2.3973	2.4508	Ave		2.4702			0.1000	6.3		20.0			
Cyclohexane	3.7638 3.5902	4.1102 3.6576	3.3402 3.6682	3.5874	3.6843	Ave		3.6752			0.1000	5.9		20.0			
Carbon tetrachloride	2.3730 2.2043	2.4250 2.3414	2.0283 2.3585	2.1344	2.1979	Ave		2.2578			0.1000	6.1		20.0			
1,1-Dichloropropene	2.2233 1.9292	2.2315 2.0354	1.9089 2.0377	1.9191	2.0186	Ave		2.0380				6.3		20.0			
Benzene	6.2232 5.3050	6.5411 5.4262	5.2598 5.4126	5.4431	5.4150	Ave		5.6282			0.5000	8.5		20.0			
Isobutyl alcohol	0.1195 0.1549	0.1280 0.1387	0.1267 0.1635	0.1223	0.1342	Ave		0.1360				11.6		20.0			
1,2-Dichloroethane	2.7376 2.2880	2.7061 2.3301	2.1923 2.2670	2.3251	2.1766	Ave		2.3778			0.1000	9.2		20.0			
n-Heptane	2.1087 1.8264	2.1547 1.9223	1.9403 1.9414	2.0713	2.0728	Ave		2.0047				5.6		20.0			
Trichloroethene	1.6174 1.4753	1.6116 1.5034	1.3961 1.5309	1.4905	1.4510	Ave		1.5095			0.2000	5.0		20.0			
Methylcyclohexane	3.0329 2.5110	2.8274 2.6047	2.3182 2.6149	2.5149	2.5773	Ave		2.6251			0.1000	8.3		20.0			
1,2-Dichloropropane	1.4596 1.5207	1.6024 1.5215	1.5094 1.5520	1.5530	1.5572	Ave		1.5345			0.1000	2.7		20.0			
Dibromomethane	0.6774 0.8838	0.9289 0.8832	0.8616 0.9063	0.8220	0.8703	Ave		0.8542			0.1000	9.1		20.0			
1,4-Dioxane	+++++ 0.0065	0.0050 0.0059	0.0047 0.0057	0.0050	0.0055	Ave		0.0055				11.4		20.0			
Bromodichloromethane	1.6399 1.7713	1.9414 1.8337	1.6359 1.9169	1.6839	1.7055	Ave		1.7661			0.2000	6.8		20.0			
2-Chloroethyl vinyl ether	1.0537 0.9869	1.0238 0.9762	0.9517 1.0339	0.9509	0.9717	Ave		0.9936				3.9		20.0			
cis-1,3-Dichloropropene	1.8066 1.9500	2.0079 2.0174	1.9746 2.1076	1.8430	1.8762	Ave		1.9479			0.2000	5.2		20.0			
4-Methyl-2-pentanone (MIBK)	0.5231 0.6088	0.5825 0.5754	0.5345 0.5494	0.5658	0.5641	Ave		0.5629			0.1000	4.9		20.0			
Toluene	0.9626 0.8678	0.9533 0.8634	0.8286 0.8435	0.8679	0.8292	Ave		0.8770			0.4000	6.0		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 Buffalo Job No.: 480-218035-1 Analy Batch No.: 703484

SDG No.:

Instrument ID: HP5977K GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 19:57 Calibration End Date: 03/12/2024 22:34 Calibration ID: 46218

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
trans-1,3-Dichloropropene	0.3551 0.4701	0.4392 0.4722	0.4212 0.4812	0.4193	0.4216	Ave		0.4350			0.1000	9.4		20.0			
Ethyl methacrylate	0.3838 0.4331	0.3980 0.4176	0.3660 0.4237	0.3992	0.4046	Ave		0.4032				5.4		20.0			
1,1,2-Trichloroethane	0.2539 0.2475	0.2562 0.2341	0.2366 0.2349	0.2512	0.2341	Ave		0.2436			0.1000	3.9		20.0			
Tetrachloroethene	0.4394 0.3850	0.4231 0.3764	0.3600 0.3704	0.3783	0.3759	Ave		0.3886			0.2000	7.1		20.0			
1,3-Dichloropropane	0.5268 0.5219	0.5616 0.4971	0.4810 0.4952	0.4908	0.4862	Ave		0.5076				5.4		20.0			
2-Hexanone	0.3100 0.3962	0.3800 0.3729	0.3494 0.3611	0.3924	0.3873	Ave		0.3687			0.1000	7.7		20.0			
Dibromochloromethane	0.3079 0.3438	0.3297 0.3474	0.2809 0.3606	0.3003	0.3044	Ave		0.3219			0.1000	8.6		20.0			
1,2-Dibromoethane	0.2935 0.3307	0.3581 0.3145	0.2981 0.3165	0.3102	0.3044	Ave		0.3157				6.5		20.0			
Chlorobenzene	0.9853 0.9387	1.0497 0.9297	0.8667 0.9274	0.8889	0.8895	Ave		0.9345			0.5000	6.4		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.3683	0.3635 0.3754	0.3210 0.3756	0.3238	0.3309	Ave		0.3512				7.1		20.0			
Ethylbenzene	1.7565 1.6548	1.8064 1.6700	1.5190 1.6190	1.6563	1.6192	Ave		1.6626			0.1000	5.3		20.0			
m,p-Xylene	0.6165 0.6323	0.6898 0.6352	0.5635 0.6224	0.6095	0.6126	Ave		0.6227			0.1000	5.6		20.0			
o-Xylene	0.7191 0.6677	0.6845 0.6553	0.5491 0.6425	0.6144	0.6135	Ave		0.6433			0.3000	8.1		20.0			
Styrene	0.8949 0.9517	0.9692 0.9752	0.8223 0.9601	0.9174	0.9070	Ave		0.9247			0.3000	5.5		20.0			
Bromoform	0.1672 0.2282	0.2268 0.2330	0.1693 0.2459	0.1962	0.2000	Ave		0.2083			0.1000	14.3		20.0			
Isopropylbenzene	3.3419 3.4117	3.4859 3.5051	2.9196 3.3543	3.1810	3.1305	Ave		3.2912			0.1000	6.1		20.0			
Bromobenzene	0.7857 0.7461	0.7894 0.7378	0.6542 0.7301	0.7097	0.6861	Ave		0.7299				6.4		20.0			
1,1,2,2-Tetrachloroethane	0.8609 0.9338	0.9668 0.9116	0.8665 0.8883	0.8686	0.8258	Ave		0.8903			0.3000	5.1		20.0			

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

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

Lab Name: Eurofins Buffalo Job No.: 480-218035-1 Analy Batch No.: 703484

SDG No.:

Instrument ID: HP5977K GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 19:57 Calibration End Date: 03/12/2024 22:34 Calibration ID: 46218

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichloropropane	0.3984 0.3218	0.3672 0.3228	0.3161 0.3081	0.3077	0.3195	Ave		0.3327				9.8		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.3468	0.2825 0.3389	0.2718 0.3375	0.2924	0.2972	Ave		0.3096				9.9		20.0			
N-Propylbenzene	3.3476 3.8920	3.9740 3.9663	3.4617 3.7475	3.6231	3.5881	Ave		3.7000				6.3		20.0			
2-Chlorotoluene	0.8093 0.7945	0.7625 0.7876	0.6606 0.7591	0.7301	0.7409	Ave		0.7556				6.2		20.0			
1,3,5-Trimethylbenzene	2.4883 2.8762	2.7139 2.9443	2.3940 2.8577	2.6407	2.6272	Ave		2.6928				7.2		20.0			
4-Chlorotoluene	2.2873 2.5305	2.4957 2.5637	2.3720 2.4859	2.4127	2.3460	Ave		2.4367				4.0		20.0			
tert-Butylbenzene	0.6194 0.5916	0.6045 0.6185	0.5205 0.6324	0.5370	0.5450	Ave		0.5836				7.4		20.0			
1,2,4-Trimethylbenzene	2.8018 2.9473	2.7834 2.9607	2.4656 2.8597	2.6909	2.6621	Ave		2.7714				5.9		20.0			
sec-Butylbenzene	3.3971 3.5478	3.2353 3.6380	2.9595 3.5238	3.3279	3.2623	Ave		3.3615				6.4		20.0			
1,3-Dichlorobenzene	1.4312 1.4248	1.4310 1.4108	1.2883 1.3949	1.3870	1.3423	Ave		1.3888			0.6000	3.6		20.0			
4-Isopropyltoluene	2.5478 3.1031	2.9716 3.2007	2.5841 3.1002	2.8372	2.8770	Ave		2.9027				8.3		20.0			
1,4-Dichlorobenzene	1.3133 1.4152	1.5444 1.3946	1.3614 1.3752	1.3532	1.3427	Ave		1.3875			0.5000	5.1		20.0			
n-Butylbenzene	2.2544 2.5921	2.4682 2.6663	2.1855 2.6067	2.4209	2.3862	Ave		2.4475				7.0		20.0			
1,2-Dichlorobenzene	1.5691 1.4655	1.5024 1.4144	1.3085 1.3887	1.3639	1.3117	Ave		1.4155			0.4000	6.5		20.0			
1,2-Dibromo-3-Chloropropane	0.2392 0.2507	0.2136 0.2505	0.2418 0.2510	0.2104	0.2253	Ave		0.2353			0.0500	7.1		20.0			
1,2,4-Trichlorobenzene	0.9467 1.0202	0.9390 1.0071	0.7990 1.0119	0.9106	0.9004	Ave		0.9419			0.2000	7.9		20.0			
Hexachlorobutadiene	0.3496 0.4007	0.4169 0.4194	0.3432 0.4221	0.3839	0.3634	Ave		0.3874				8.3		20.0			
Naphthalene	3.1723 3.6805	3.4948 3.4855	2.9268 3.4566	3.0519	3.1854	Ave		3.3067				7.8		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 Buffalo Job No.: 480-218035-1 Analy Batch No.: 703484

SDG No.:

Instrument ID: HP5977K GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 19:57 Calibration End Date: 03/12/2024 22:34 Calibration ID: 46218

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichlorobenzene	0.9529 1.0217	0.9992 0.9884	0.8644 0.9659	0.9372	0.8988	Ave		0.9536				5.5		20.0			
Dibromofluoromethane (Surr)	1.4423 1.3766	1.4471 1.4412	1.3684 1.4318	1.3785	1.4259	Ave		1.4140				2.4		20.0			
1,2-Dichloroethane-d4 (Surr)	1.5659 1.5550	1.5950 1.6035	1.6291 1.5910	1.5500	1.6341	Ave		1.5905				2.0		20.0			
Toluene-d8 (Surr)	1.2898 1.2388	1.3061 1.2503	1.2548 1.2213	1.2590	1.2547	Ave		1.2594				2.1		20.0			
4-Bromofluorobenzene (Surr)	0.3784 0.3821	0.3913 0.3776	0.3856 0.3823	0.3754	0.3855	Ave		0.3823				1.3		20.0			

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

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 703484

SDG No.:

Instrument ID: HP5977K | GC Column: ZB-624 (20 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 19:57 | Calibration End Date: 03/12/2024 22:34 | Calibration ID: 46218

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-703484/7	K2831.D
Level 2	IC 480-703484/8	K2832.D
Level 3	IC 480-703484/9	K2833.D
Level 4	IC 480-703484/10	K2834.D
Level 5	IC 480-703484/11	K2835.D
Level 6	ICIS 480-703484/12	K2836.D
Level 7	IC 480-703484/13	K2837.D
Level 8	IC 480-703484/14	K2838.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	5161 367301	13466 711277	27722 1452761	75633	144150	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	4749 324555	13153 631428	23886 1253179	63359	123032	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	4581 261429	10586 515143	20289 1039043	52155	102051	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	4986 305054	11193 595132	23082 1190682	60342	117735	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	+++++ 131262	5763 254872	11278 517995	26971	50394	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	2264 132763	4684 263099	10649 536432	25513	52159	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	8299 479654	19038 962987	38592 1910331	94566	188419	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	6325 418828	15861 832475	33067 1714937	83952	168526	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	4171 256666	10114 492522	18793 977757	50147	85690	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	+++++ 63346	2351 122981	4699 241400	10373	19736	+++++ 125	5.00 250	10.0 500	25.0	50.0
1,1-Dichloroethene	FB	Ave	3189 203436	8199 406696	15853 789963	40009	72853	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	3265 228184	9025 451802	16708 901808	44174	85260	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	9456 623431	23915 1175632	41126 2587574	99701	174522	2.00 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	5718 352025	14583 706046	25747 1395394	69924	123832	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	9643	23725	45890	116557	206035	0.400	1.00	2.00	5.00	10.0

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 703484

SDG No.:

Instrument ID: HP5977K | GC Column: ZB-624 (20 ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 19:57 | Calibration End Date: 03/12/2024 22:34 | Calibration ID: 46218

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			566174	1149768	2225901			25.0	50.0	100		
Allyl chloride	FB	Ave	6974 423884	17165 857862	30285 1667454	84579	147726	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	7865 614749	21342 1148649	39756 2204299	100305	197154	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	4279 230061	10855 449125	18191 879436	44578	84078	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	+++++ 561578	20731 1076696	41125 2194701	102745	181616	+++++ 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	11092 727777	28968 1381421	57119 2761568	137105	246783	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	3740 231487	9239 455844	17389 878278	47136	84636	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	23572 1880005	72399 3376725	140069 6907392	329042	657363	4.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	5905 394860	17313 798945	34235 1580817	85271	146464	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	7237 492257	20284 988785	36561 1931222	96200	181460	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	12199 1075845	38694 2119601	78024 4386843	186843	357969	0.800 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	4160 269438	11304 530566	18955 986906	49147	93696	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	3721 250803	10465 505576	17936 981499	48740	88997	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	10648 917443	31183 1735109	62507 3651789	158550	278865	2.00 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	1422 127679	4900 243517	9870 485853	24562	44186	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	3942 251968	9665 490297	18966 989671	47166	81408	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	7273 425214	19655 847258	33779 1657212	83480	153810	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	5614 393942	15972 797836	27958 1566215	75714	140502	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	8373 575820	24376 1140671	43368 2271661	113298	211217	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	5279 353542	14382 730206	26334 1460549	67409	126002	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	4946 309415	13234 634750	24785 1261899	60610	115728	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 703484

SDG No.:

Instrument ID: HP5977K | GC Column: ZB-624 (20 ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 19:57 | Calibration End Date: 03/12/2024 22:34 | Calibration ID: 46218

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	13844 850855	38793 1692224	68291 3351922	171906	310439	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	6646 621008	18972 1081101	41124 2531403	96563	192392	10.0 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	6090 366971	16049 726663	28464 1403921	73431	124783	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	4691 292928	12779 599493	25192 1202257	65416	118831	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	3598 236624	9558 468841	18126 948033	47074	83187	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	6747 402734	16768 812292	30099 1619359	79425	147754	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	3247 243903	9503 474485	19597 961095	49048	89272	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	1507 141746	5509 275425	11187 561279	25962	49894	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZd5	Ave	+++++ 76571	2244 139705	4845 279555	11999	25050	+++++ 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	3648 284091	11514 571870	21240 1187092	53181	97775	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	2344 158281	6072 304442	12357 640254	30032	55705	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	4019 312759	11908 629155	25637 1305222	58207	107563	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZd5	Ave	21911 1797205	65776 3412372	137130 6714748	342593	637950	2.00 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZd5	Ave	8064 512319	21531 1024075	42518 2061947	105101	187554	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZd5	Ave	2975 277544	9920 560110	21612 1176225	50772	95361	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZd5	Ave	3215 255675	8990 495262	18780 1035848	48336	91511	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZd5	Ave	2127 146139	5787 277650	12142 574279	30415	52961	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZd5	Ave	3681	9556	18472	45812	85018	0.400	1.00	2.00	5.00	10.0

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 703484

SDG No.:

Instrument ID: HP5977K | GC Column: ZB-624 (20 ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 19:57 | Calibration End Date: 03/12/2024 22:34 | Calibration ID: 46218

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			227320	446444	905442			25.0	50.0	100		
1,3-Dichloropropane	CBNZd5	Ave	4413 308095	12683 589674	24682 1210547	59433	109965	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZd5	Ave	12986 1169543	42910 2211230	89650 4414028	237612	437984	2.00 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZd5	Ave	2579 202969	7447 412047	14412 881486	36368	68847	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZd5	Ave	2459 195252	8087 372973	15296 773764	37562	68840	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chlorobenzene	CBNZd5	Ave	8254 554205	23709 1102702	44472 2267093	107643	201185	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZd5	Ave	+++++ 217439	8211 445254	16470 918154	39214	74852	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZd5	Ave	14715 976941	40799 1980754	77945 3957795	200570	366250	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZd5	Ave	5165 373296	15580 753436	28915 1521512	73811	138565	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZd5	Ave	6024 394177	15459 777302	28177 1570770	74406	138757	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZd5	Ave	7497 561852	21889 1156663	42197 2346981	111097	205140	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZd5	Ave	1401 134739	5123 276411	8688 601040	23760	45243	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd4	Ave	14713 1030558	40635 2107293	76713 4222392	201252	371820	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd4	Ave	3459 225372	9202 443578	17189 918989	44898	81486	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd4	Ave	3790 282055	11270 548047	22768 1118232	54952	98079	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd4	Ave	1754 97194	4281 194058	8306 387882	19470	37948	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd4	Ave	+++++	3293	7142	18502	35297	+++++	1.00	2.00	5.00	10.0

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 703484

SDG No.:

Instrument ID: HP5977K | GC Column: ZB-624 (20 ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 19:57 | Calibration End Date: 03/12/2024 22:34 | Calibration ID: 46218

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			104766	203770	424852			25.0	50.0	100		
N-Propylbenzene	DCBd4	Ave	14738 1175628	46325 2384590	90957 4717363	229225	426166	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd4	Ave	3563 239989	8888 473487	17357 955500	46190	88003	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd4	Ave	10955 868789	31636 1770137	62904 3597309	167073	312043	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd4	Ave	10070 764367	29092 1541354	62325 3129232	152644	278645	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd4	Ave	2727 178701	7047 371854	13676 796052	33975	64727	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd4	Ave	12335 890280	32446 1780033	64785 3599782	170246	316182	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd4	Ave	14956 1071674	37714 2187233	77762 4435707	210547	387469	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd4	Ave	6301 430372	16681 848179	33850 1755957	87755	159429	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd4	Ave	11217 937341	34640 1924330	67898 3902486	179504	341708	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dichlorobenzene	DCBd4	Ave	5782 427473	18003 838456	35771 1731104	85616	159477	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd4	Ave	9925 782993	28772 1603031	57424 3281287	153161	283416	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd4	Ave	6908 442674	17514 850349	34382 1748081	86292	155799	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	1053 75726	2490 150618	6353 315943	13309	26765	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd4	Ave	4168 308181	10946 605482	20993 1273727	57613	106941	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd4	Ave	1539 121046	4860 252152	9018 531383	24291	43159	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd4	Ave	13966 1111746	40739 2095527	76902 4351112	193084	378338	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd4	Ave	4195 308635	11648 594259	22713 1215864	59293	106750	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	200528 220792	214560 224734	222081 221678	217689	204365	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	217721 249411	236489 250035	264390 246321	244763	234209	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZd5	Ave	675331	737469	804877	762300	709475	25.0	25.0	25.0	25.0	25.0

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 703484

SDG No.:

Instrument ID: HP5977K | GC Column: ZB-624 (20 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 19:57 | Calibration End Date: 03/12/2024 22:34 | Calibration ID: 46218

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			731374	741517	746377			25.0	25.0	25.0		
4-Bromofluorobenzene (Surr)	CBNZd 5	Ave	198140	220923	247322	227316	218003	25.0	25.0	25.0	25.0	25.0
			225564	223911	233660			25.0	25.0	25.0		

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 703484

SDG No.:

Instrument ID: HP5977K | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 19:57 | Calibration End Date: 03/12/2024 22:34 | Calibration ID: 46218

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-703484/7	K2831.D
Level 2	IC 480-703484/8	K2832.D
Level 3	IC 480-703484/9	K2833.D
Level 4	IC 480-703484/10	K2834.D
Level 5	IC 480-703484/11	K2835.D
Level 6	ICIS 480-703484/12	K2836.D
Level 7	IC 480-703484/13	K2837.D
Level 8	IC 480-703484/14	K2838.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	0.0						30					
Chloromethane	4.0						30					
Vinyl chloride	19.4						30					
Butadiene	14.9						30					
Bromomethane	+++++	12.5						30				
Chloroethane	18.3						30					
Dichlorofluoromethane	17.7						30					
Trichlorofluoromethane	4.8						30					
Ethyl ether	16.6						30					
Acrolein	+++++	6.3						30				
1,1-Dichloroethene	10.0						30					
1,1,2-Trichloro-1,2,2-trifluoroethane	2.2						30					
Acetone	15.3						30					
Iodomethane	13.6						30					
Carbon disulfide	15.7						30					

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 703484

SDG No.:

Instrument ID: HP5977K | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 19:57 | Calibration End Date: 03/12/2024 22:34 | Calibration ID: 46218

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Allyl chloride	15.6						30					
Methyl acetate	1.4						30					
Methylene Chloride	-2.7						30					
2-Methyl-2-propanol	+++++	3.8						30				
Methyl tert-butyl ether	9.8						30					
trans-1,2-Dichloroethene	13.3						30					
Acrylonitrile	-4.9						30					
Hexane	0.9						30					
1,1-Dichloroethane	3.9						30					
Vinyl acetate	-13.6						30					
2,2-Dichloropropane	11.6						30					
cis-1,2-Dichloroethene	5.5						30					
2-Butanone (MEK)	-8.7						30					
Chlorobromomethane	-16.7						30					
Tetrahydrofuran	13.3						30					
Chloroform	16.0						30					
1,1,1-Trichloroethane	2.2						30					
Cyclohexane	2.4						30					
Carbon tetrachloride	5.1						30					
1,1-Dichloropropene	9.1						30					
Benzene	10.6						30					

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 703484

SDG No.:

Instrument ID: HP5977K | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 19:57 | Calibration End Date: 03/12/2024 22:34 | Calibration ID: 46218

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Isobutyl alcohol	-12.1						30					
1,2-Dichloroethane	15.1						30					
n-Heptane	5.2						30					
Trichloroethene	7.1						30					
Methylcyclohexane	15.5						30					
1,2-Dichloropropane	-4.9						30					
Dibromomethane	-20.7						30					
1,4-Dioxane	+++++	-9.1						30				
Bromodichloromethane	-7.1						30					
2-Chloroethyl vinyl ether	6.0						30					
cis-1,3-Dichloropropene	-7.3						30					
4-Methyl-2-pentanone (MIBK)	-7.1						30					
Toluene	9.8						30					
trans-1,3-Dichloropropene	-18.4						30					
Ethyl methacrylate	-4.8						30					
1,1,2-Trichloroethane	4.2						30					
Tetrachloroethene	13.1						30					
1,3-Dichloropropane	3.8						30					
2-Hexanone	-15.9						30					
Dibromochloromethane	-4.4						30					
1,2-Dibromoethane	-7.0						30					

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 703484

SDG No.:

Instrument ID: HP5977K | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 19:57 | Calibration End Date: 03/12/2024 22:34 | Calibration ID: 46218

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Chlorobenzene	5.4						30					
1,1,1,2-Tetrachloroethane	+++++	3.5						30				
Ethylbenzene	5.6						30					
m,p-Xylene	-1.0						30					
o-Xylene	11.8						30					
Styrene	-3.2						30					
Bromoform	-19.7						30					
Isopropylbenzene	1.5						30					
Bromobenzene	7.6						30					
1,1,2,2-Tetrachloroethane	-3.3						30					
1,2,3-Trichloropropane	19.7						30					
trans-1,4-Dichloro-2-butene	+++++	-8.8						30				
N-Propylbenzene	-9.5						30					
2-Chlorotoluene	7.1						30					
1,3,5-Trimethylbenzene	-7.6						30					
4-Chlorotoluene	-6.1						30					
tert-Butylbenzene	6.1						30					
1,2,4-Trimethylbenzene	1.1						30					
sec-Butylbenzene	1.1						30					
1,3-Dichlorobenzene	3.1						30					
4-Isopropyltoluene	-12.2						30					

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

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1 | Analy Batch No.: 703484

SDG No.:

Instrument ID: HP5977K | GC Column: ZB-624 (20) ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2024 19:57 | Calibration End Date: 03/12/2024 22:34 | Calibration ID: 46218

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dichlorobenzene	-5.3						30					
n-Butylbenzene	-7.9						30					
1,2-Dichlorobenzene	10.8						30					
1,2-Dibromo-3-Chloropropane	1.6						30					
1,2,4-Trichlorobenzene	0.5						30					
Hexachlorobutadiene	-9.8						30					
Naphthalene	-4.1						30					
1,2,3-Trichlorobenzene	-0.1						30					
Dibromofluoromethane (Surr)	2.0						30					
1,2-Dichloroethane-d4 (Surr)	-1.5						30					
Toluene-d8 (Surr)	2.4						30					
4-Bromofluorobenzene (Surr)	-1.0						30					

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2831.D
Lims ID: IC 0.4
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 12-Mar-2024 19:57:26 ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.4
Misc. Info.: 480-0116718-007
Operator ID: cdc Instrument ID: HP5977K
Sublist: chrom-K-8260 WATER*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2024 10:59:15 Calib Date: 13-Mar-2024 02:41:36
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2849.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: WLL8 Date: 13-Mar-2024 10:23:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.340	5.343	-0.003	98	139037	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.327	8.327	0.000	88	523587	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.723	10.722	0.001	97	275159	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.739	4.739	0.000	93	200528	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.044	5.044	0.000	96	217721	25.0	24.6	
$ 6 Toluene-d8 (Surr)	98	6.854	6.854	0.000	94	675331	25.0	25.6	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	89	198140	25.0	24.7	
11 Dichlorodifluoromethane	85	1.167	1.166	0.000	96	5161	0.4000	0.4002	
13 Chloromethane	50	1.337	1.337	0.000	97	4749	0.4000	0.4161	M
14 Vinyl chloride	62	1.437	1.427	0.010	94	4581	0.4000	0.4776	
151 Butadiene	54	1.459	1.453	0.006	95	4986	0.4000	0.4596	
15 Bromomethane	94	1.742	1.736	0.006	85	4070	0.4000	0.8474	a
16 Chloroethane	64	1.822	1.816	0.006	65	2264	0.4000	0.4732	a
18 Dichlorofluoromethane	67	2.044	2.041	0.003	96	8299	0.4000	0.4708	
17 Trichlorofluoromethane	101	2.060	2.060	0.000	68	6325	0.4000	0.4190	
19 Ethyl ether	59	2.343	2.346	-0.003	92	4171	0.4000	0.4662	
21 Acrolein	56	2.504	2.498	0.006	26	460	2.00	1.11	a
22 1,1-Dichloroethene	96	2.552	2.555	-0.003	93	3189	0.4000	0.4401	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.559	2.565	-0.006	76	3265	0.4000	0.4088	Ma
23 Acetone	43	2.665	2.652	0.013	93	9456	2.00	2.31	
24 Iodomethane	142	2.710	2.707	0.003	73	5718	0.4000	0.4545	
25 Carbon disulfide	76	2.758	2.755	0.003	0	9643	0.4000	0.4629	M
27 3-Chloro-1-propene	41	2.925	2.925	0.000	88	6974	0.4000	0.4622	
28 Methyl acetate	43	2.977	2.967	0.010	98	7865	0.8000	0.8114	
30 Methylene Chloride	84	3.060	3.060	0.000	95	4279	0.4000	0.3893	
31 2-Methyl-2-propanol	59	3.250	3.231	0.019	98	9274	4.00	4.95	M
33 Methyl tert-butyl ether	73	3.314	3.305	0.009	94	11092	0.4000	0.4390	
32 trans-1,2-Dichloroethene	96	3.311	3.308	0.003	90	3740	0.4000	0.4532	
34 Acrylonitrile	53	3.330	3.318	0.012	100	23572	4.00	3.80	
35 Hexane	57	3.543	3.539	0.004	88	5905	0.4000	0.4037	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.713	3.719	-0.006	95	7237	0.4000	0.4154	
39 Vinyl acetate	43	3.784	3.777	0.007	95	12199	0.8000	0.6913	
42 2,2-Dichloropropane	77	4.244	4.250	-0.006	72	4160	0.4000	0.4465	
43 cis-1,2-Dichloroethene	96	4.276	4.276	0.000	81	3721	0.4000	0.4220	
44 2-Butanone (MEK)	43	4.314	4.298	0.016	98	10648	2.00	1.83	
47 Chlorobromomethane	128	4.504	4.504	0.000	91	1422	0.4000	0.3334	
48 Tetrahydrofuran	42	4.559	4.543	0.016	83	3942	0.8000	0.9060	
50 Chloroform	83	4.584	4.588	-0.004	95	7273	0.4000	0.4638	
51 1,1,1-Trichloroethane	97	4.723	4.723	0.000	0	5614	0.4000	0.4086	M
52 Cyclohexane	56	4.755	4.752	0.003	0	8373	0.4000	0.4096	M
53 Carbon tetrachloride	117	4.864	4.871	-0.007	79	5279	0.4000	0.4204	
54 1,1-Dichloropropene	75	4.877	4.877	0.000	92	4946	0.4000	0.4364	
56 Isobutyl alcohol	43	5.086	5.070	0.016	53	6646	10.0	8.79	
55 Benzene	78	5.073	5.073	0.000	92	13844	0.4000	0.4423	
57 1,2-Dichloroethane	62	5.121	5.118	0.003	96	6090	0.4000	0.4605	
59 n-Heptane	43	5.289	5.295	-0.006	81	4691	0.4000	0.4207	
60 Trichloroethene	95	5.687	5.687	0.000	0	3598	0.4000	0.4286	M
62 Methylcyclohexane	83	5.832	5.835	-0.003	91	6747	0.4000	0.4621	
63 1,2-Dichloropropane	63	5.912	5.909	0.003	90	3247	0.4000	0.3805	
65 Dibromomethane	93	6.044	6.038	0.006	82	1507	0.4000	0.3172	
66 1,4-Dioxane	88	6.086	6.057	0.029	0	656	8.00	5.73	M
67 Dichlorobromomethane	83	6.192	6.195	-0.003	94	3648	0.4000	0.3714	
69 2-Chloroethyl vinyl ether	63	6.478	6.478	0.000	80	2344	0.4000	0.4242	
71 cis-1,3-Dichloropropene	75	6.617	6.620	-0.003	91	4019	0.4000	0.3710	
72 4-Methyl-2-pentanone (MIBK)	43	6.764	6.761	0.003	94	21911	2.00	1.86	
73 Toluene	92	6.922	6.922	0.000	97	8064	0.4000	0.4390	
75 trans-1,3-Dichloropropene	75	7.176	7.176	0.000	93	2975	0.4000	0.3266	
77 Ethyl methacrylate	69	7.247	7.247	0.000	90	3215	0.4000	0.3807	
78 1,1,2-Trichloroethane	83	7.366	7.362	0.004	0	2127	0.4000	0.4170	M
79 Tetrachloroethene	166	7.469	7.465	0.004	94	3681	0.4000	0.4523	
80 1,3-Dichloropropane	76	7.526	7.526	0.000	89	4413	0.4000	0.4151	
81 2-Hexanone	43	7.600	7.597	0.003	98	12986	2.00	1.68	
82 Chlorodibromomethane	129	7.758	7.761	-0.003	91	2579	0.4000	0.3826	
83 Ethylene Dibromide	107	7.871	7.864	0.007	97	2459	0.4000	0.3719	
86 Chlorobenzene	112	8.362	8.359	0.003	0	8254	0.4000	0.4217	M
89 1,1,1,2-Tetrachloroethane	131	8.440	8.452	-0.012	35	1198	0.4000	0.1629	
88 Ethylbenzene	91	8.459	8.459	0.000	98	14715	0.4000	0.4226	
90 m-Xylene & p-Xylene	106	8.584	8.584	0.000	0	5165	0.4000	0.3960	M
91 o-Xylene	106	9.002	9.005	-0.003	93	6024	0.4000	0.4471	
92 Styrene	104	9.031	9.028	0.003	95	7497	0.4000	0.3871	
93 Bromoform	173	9.253	9.253	0.000	86	1401	0.4000	0.3211	
95 Isopropylbenzene	105	9.398	9.395	0.003	95	14713	0.4000	0.4062	
97 Bromobenzene	156	9.723	9.729	-0.006	95	3459	0.4000	0.4306	
98 1,1,2,2-Tetrachloroethane	83	9.758	9.764	-0.006	92	3790	0.4000	0.3868	
100 1,2,3-Trichloropropane	110	9.797	9.793	0.004	0	1754	0.4000	0.4790	M
101 trans-1,4-Dichloro-2-butene	53	9.806	9.813	-0.007	66	954	0.4000	0.2800	
99 N-Propylbenzene	91	9.825	9.825	0.000	96	14738	0.4000	0.3619	
105 2-Chlorotoluene	126	9.919	9.922	-0.003	0	3563	0.4000	0.4285	M
104 1,3,5-Trimethylbenzene	105	10.009	10.005	0.004	95	10955	0.4000	0.3696	
102 4-Chlorotoluene	91	10.034	10.031	0.003	94	10070	0.4000	0.3755	
106 tert-Butylbenzene	134	10.327	10.324	0.003	91	2727	0.4000	0.4245	
107 1,2,4-Trimethylbenzene	105	10.375	10.378	-0.003	96	12335	0.4000	0.4044	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.536	10.536	0.000	93	14956	0.4000	0.4042	
110 1,3-Dichlorobenzene	146	10.658	10.658	0.000	92	6301	0.4000	0.4122	
111 4-Isopropyltoluene	119	10.678	10.677	0.001	96	11217	0.4000	0.3511	
113 1,4-Dichlorobenzene	146	10.745	10.745	0.000	0	5782	0.4000	0.3786	M
115 n-Butylbenzene	91	11.060	11.060	0.000	94	9925	0.4000	0.3684	
116 1,2-Dichlorobenzene	146	11.096	11.092	0.004	94	6908	0.4000	0.4434	
117 1,2-Dibromo-3-Chloropropane	75	11.806	11.806	0.000	87	1053	0.4000	0.4066	
119 1,2,4-Trichlorobenzene	180	12.504	12.501	0.003	91	4168	0.4000	0.4021	
120 Hexachlorobutadiene	225	12.629	12.629	0.000	87	1539	0.4000	0.3609	
121 Naphthalene	128	12.706	12.706	0.000	97	13966	0.4000	0.3837	
122 1,2,3-Trichlorobenzene	180	12.909	12.912	-0.003	92	4195	0.4000	0.3997	
S 123 1,3-Dichloropropene, Total	1				0			0.6975	
S 126 Xylenes, Total	1				0			0.8432	
S 124 1,2-Dichloroethene, Total	1				0			0.8752	
S 125 Total BTEX	1				0			2.15	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

GAS CORP mix_00611	Amount Added:	0.40	Units: uL	
8260 CORP mix_00251	Amount Added:	0.40	Units: uL	
K WATER IS/SS_00012	Amount Added:	5.00	Units: uL	Run Reagent

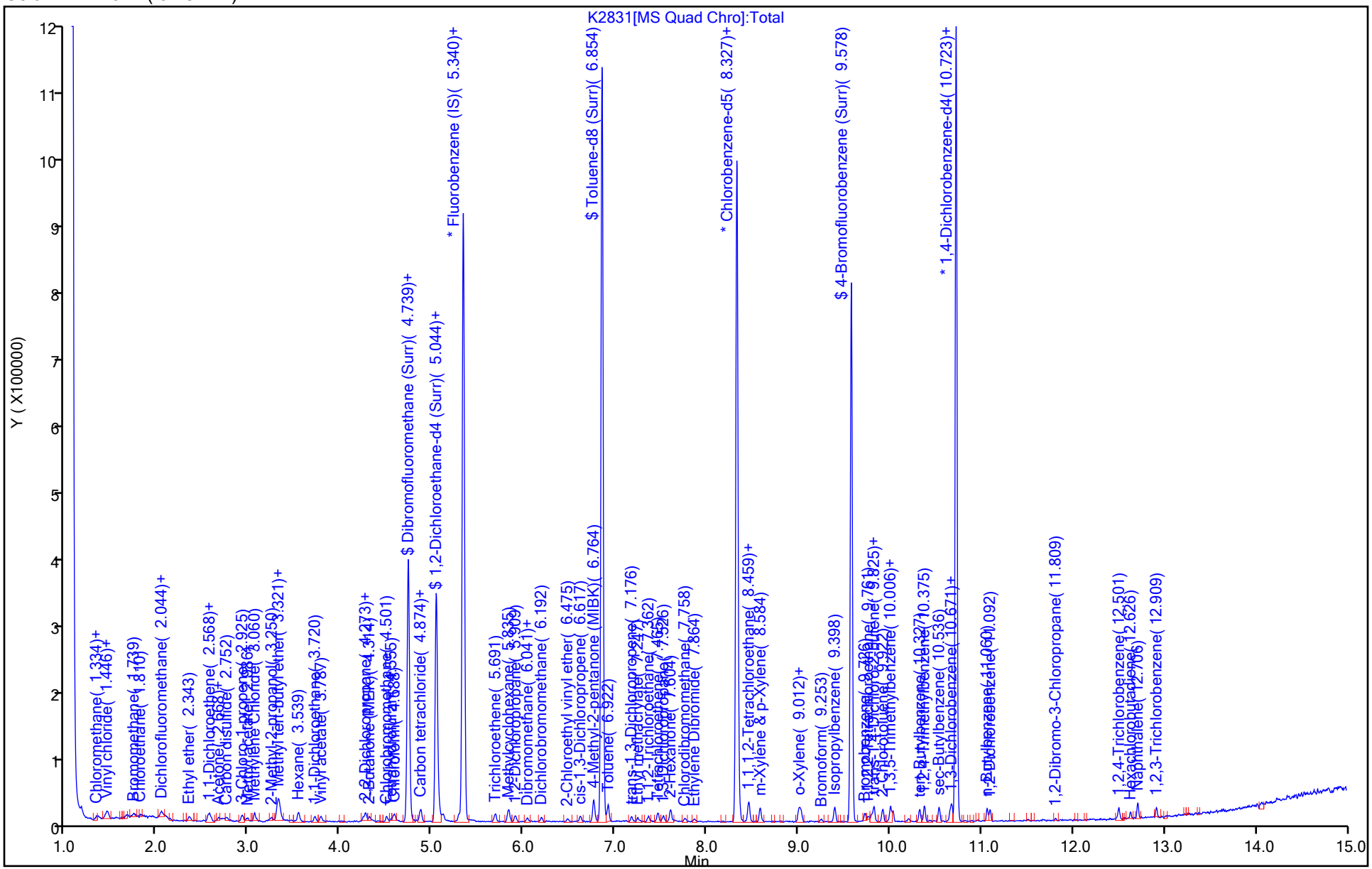
Report Date: 13-Mar-2024 10:59:16 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2831.D

Injection Date:	12-Mar-2024 19:57:26	Instrument ID:	HP5977K	Operator ID:	cdc
Lims ID:	IC 0.4			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo

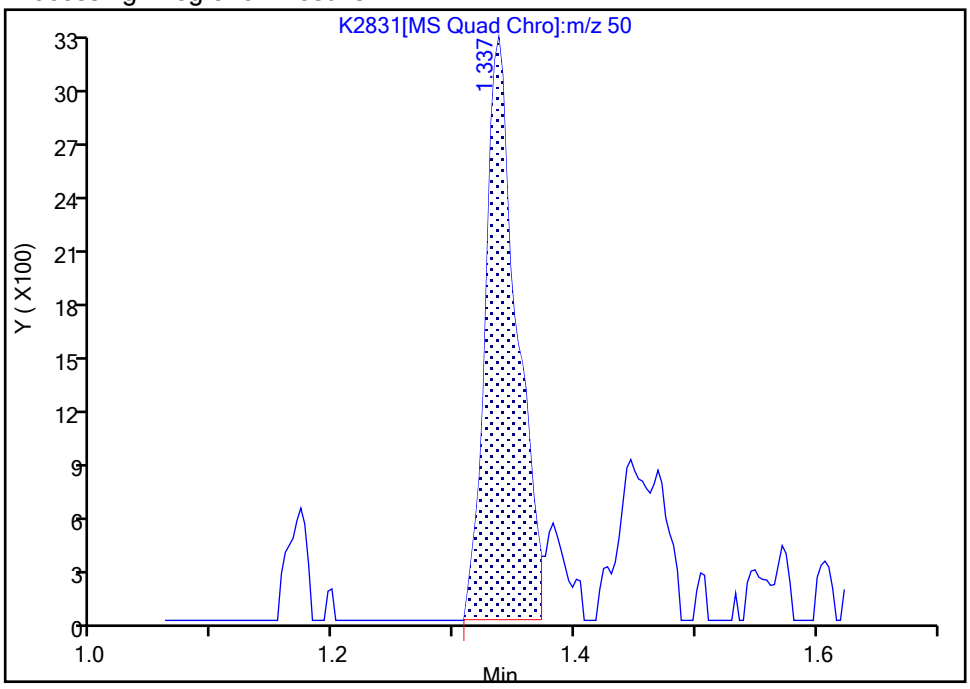
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2831.D
Injection Date: 12-Mar-2024 19:57:26 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

13 Chloromethane, CAS: 74-87-3

Signal: 1

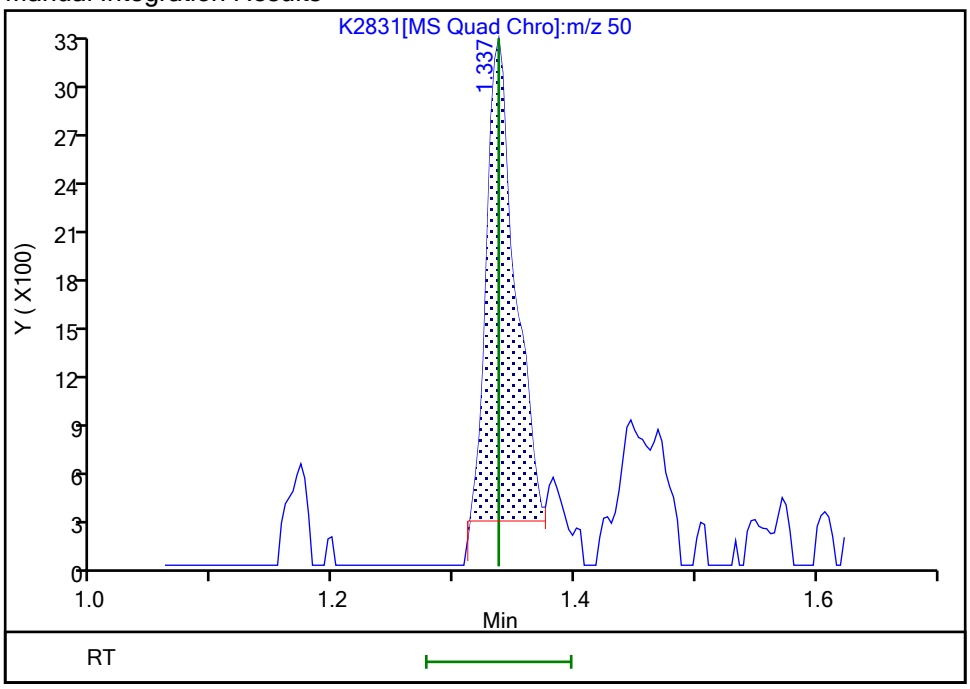
Processing Integration Results

RT: 1.34
Area: 5791
Amount: 0.493354
Amount Units: ug/L



Manual Integration Results

RT: 1.34
Area: 4749
Amount: 0.416126
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:20:50 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

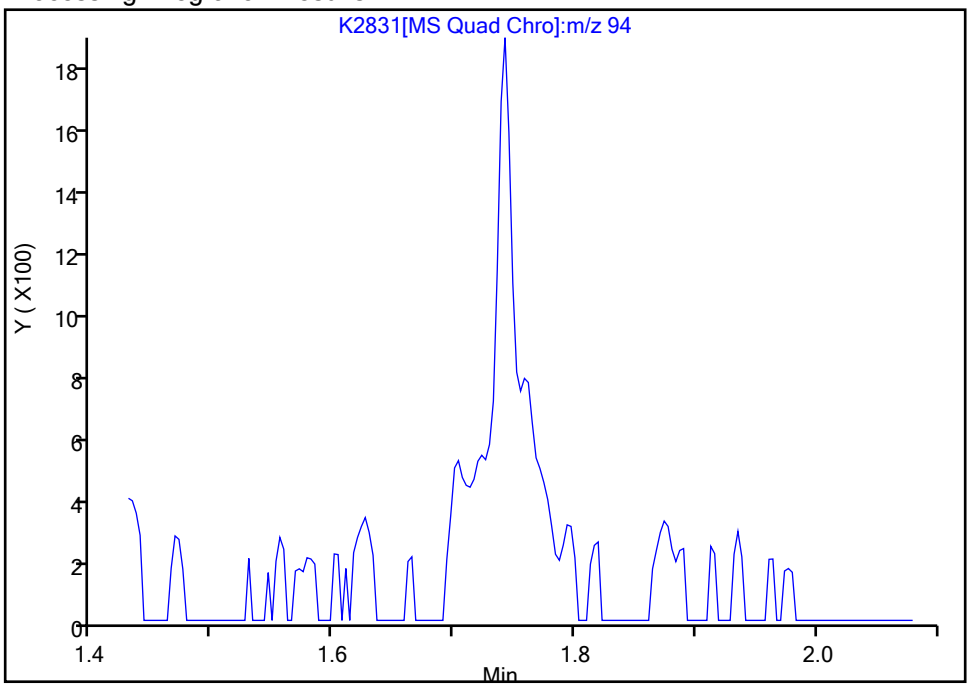
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2831.D
Injection Date: 12-Mar-2024 19:57:26 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

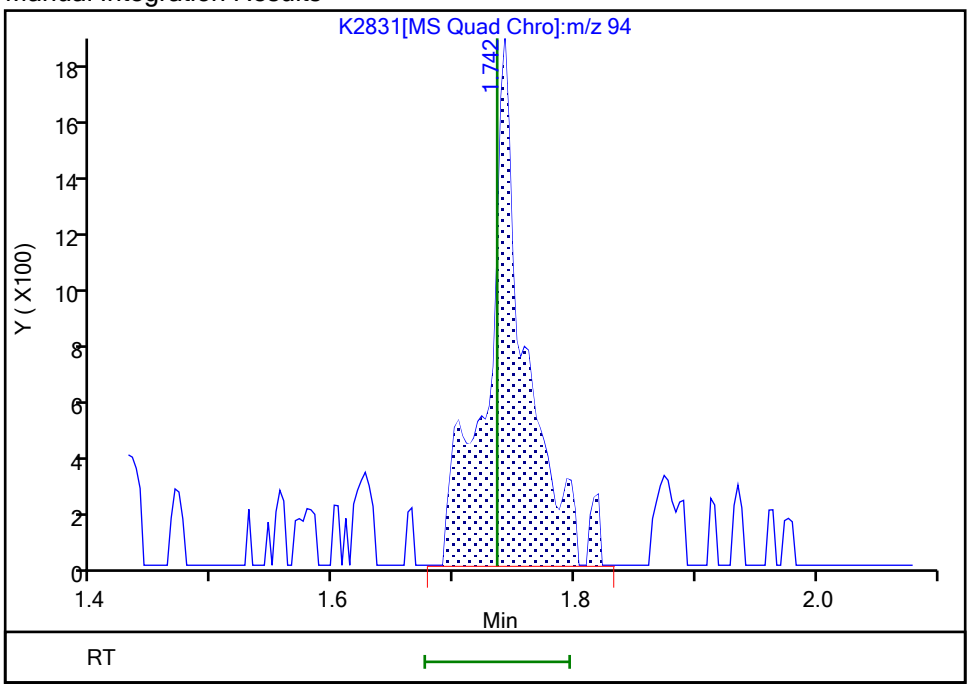
Not Detected
Expected RT: 1.74

Processing Integration Results



Manual Integration Results

RT: 1.74
Area: 4070
Amount: 0.847365
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:20:59 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

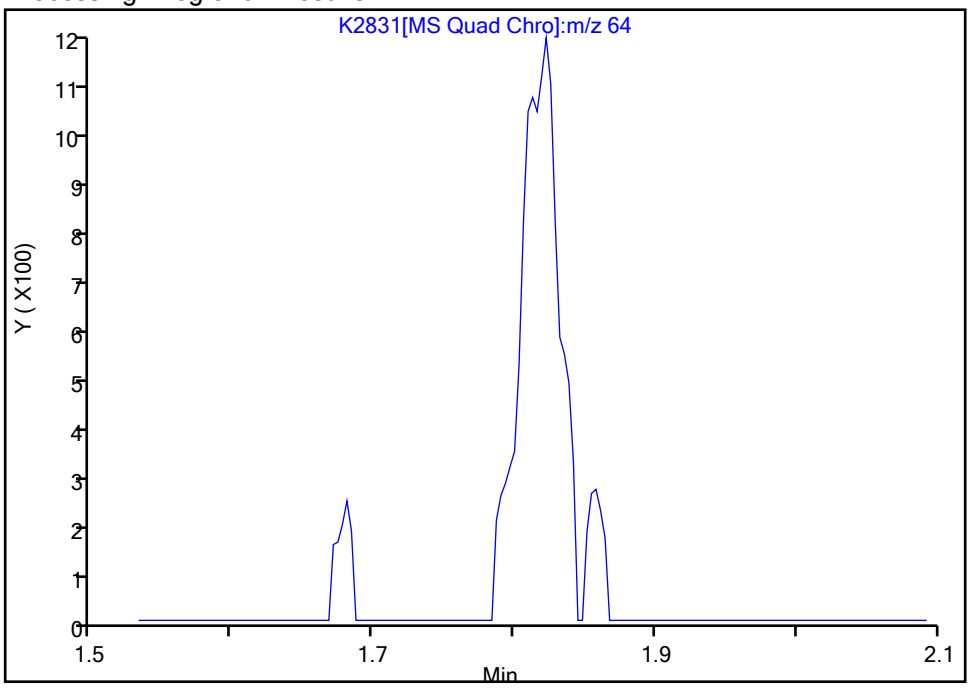
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2831.D
Injection Date: 12-Mar-2024 19:57:26 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

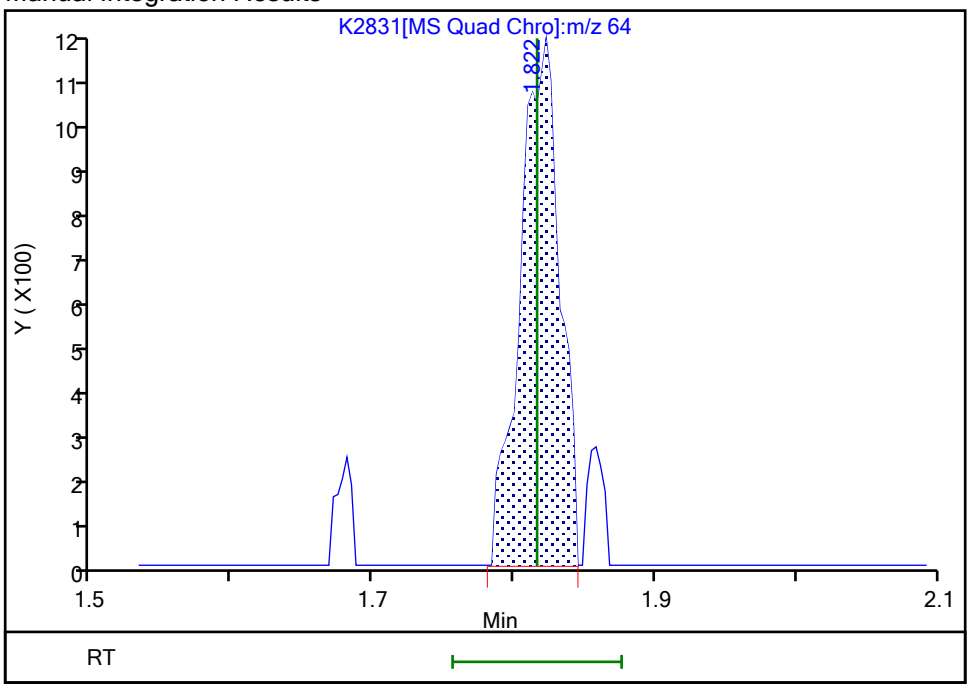
Not Detected
Expected RT: 1.82

Processing Integration Results



Manual Integration Results

RT: 1.82
Area: 2264
Amount: 0.473153
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:21:01 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

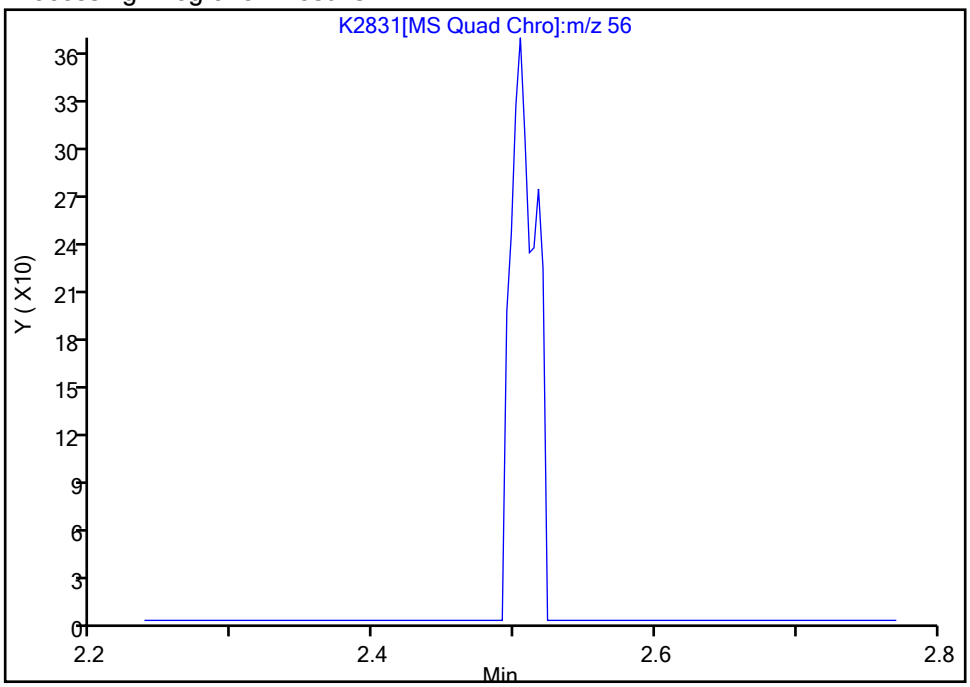
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2831.D
Injection Date: 12-Mar-2024 19:57:26 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 Acrolein, CAS: 107-02-8

Signal: 1

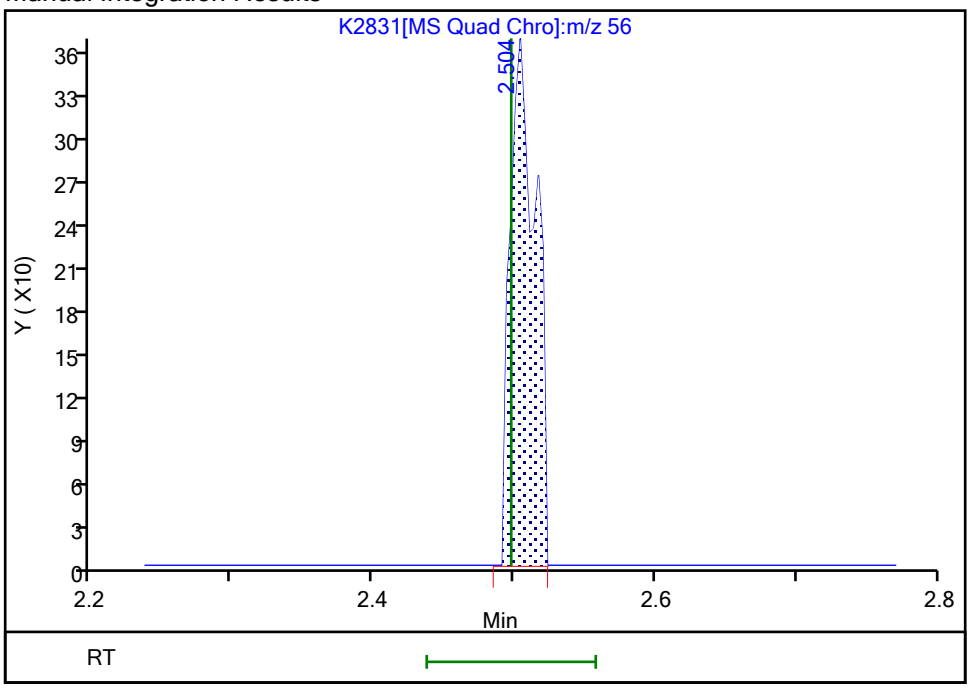
Not Detected
Expected RT: 2.50

Processing Integration Results



Manual Integration Results

RT: 2.50
Area: 460
Amount: 1.109103
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:21:09 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

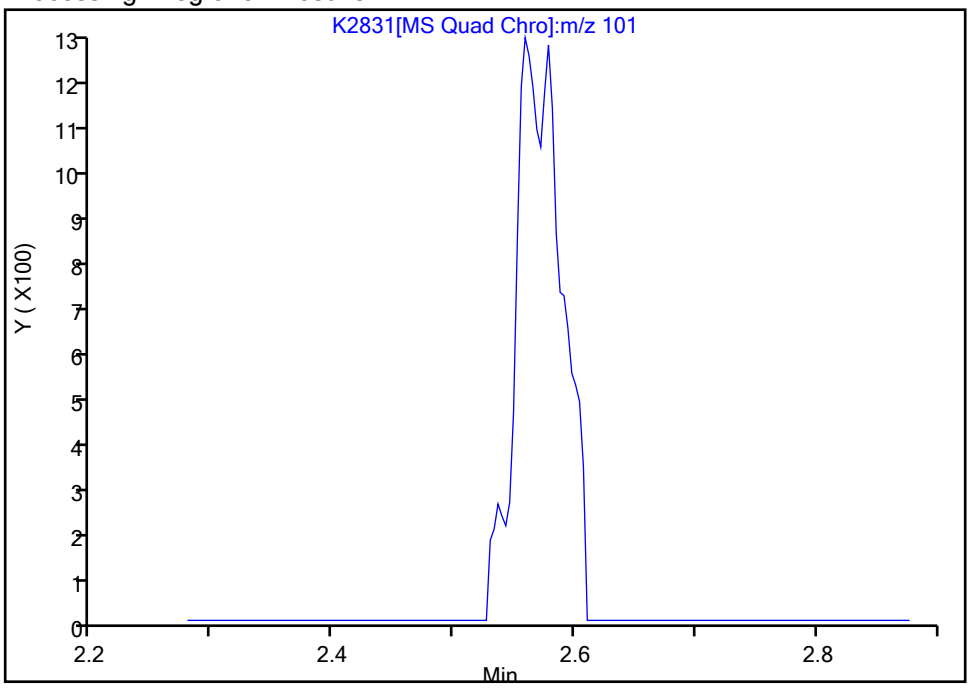
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2831.D
Injection Date: 12-Mar-2024 19:57:26 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

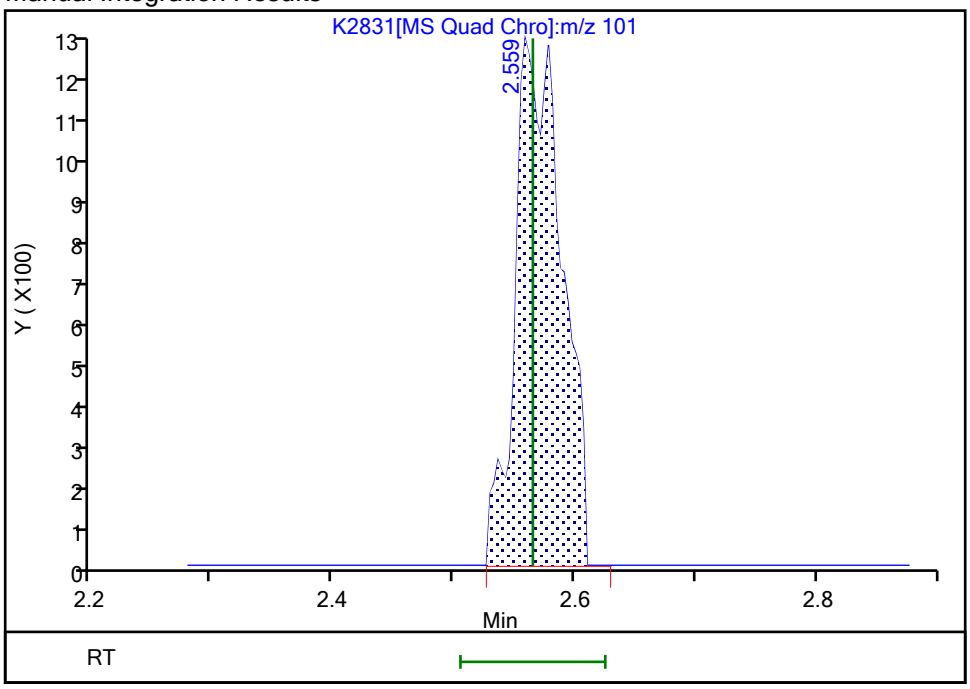
Not Detected
Expected RT: 2.57

Processing Integration Results



Manual Integration Results

RT: 2.56
Area: 3265
Amount: 0.408761
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:21:17 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

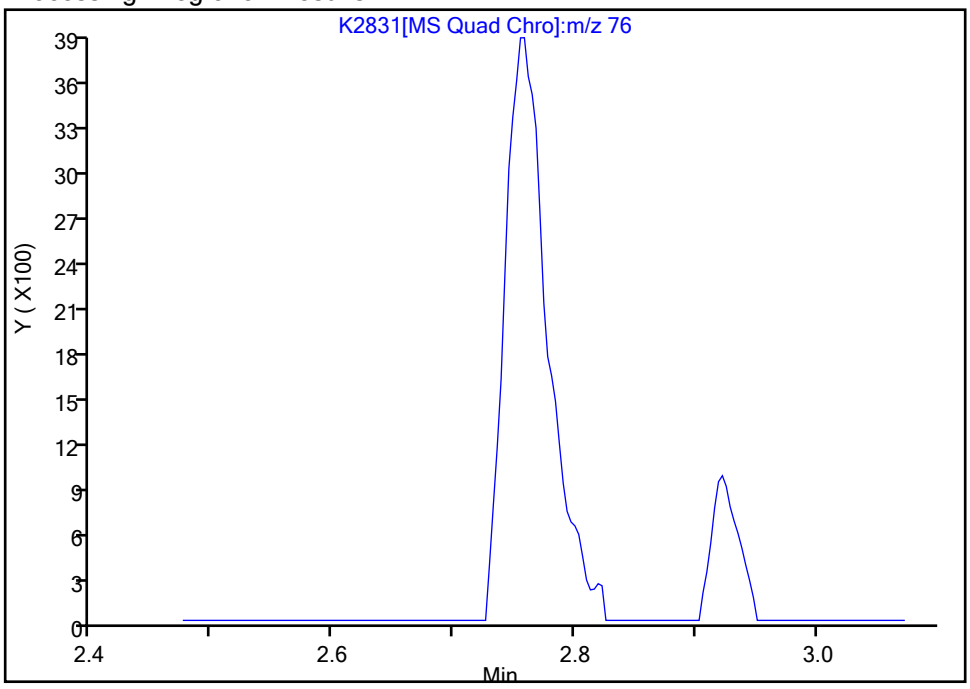
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2831.D
Injection Date: 12-Mar-2024 19:57:26 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

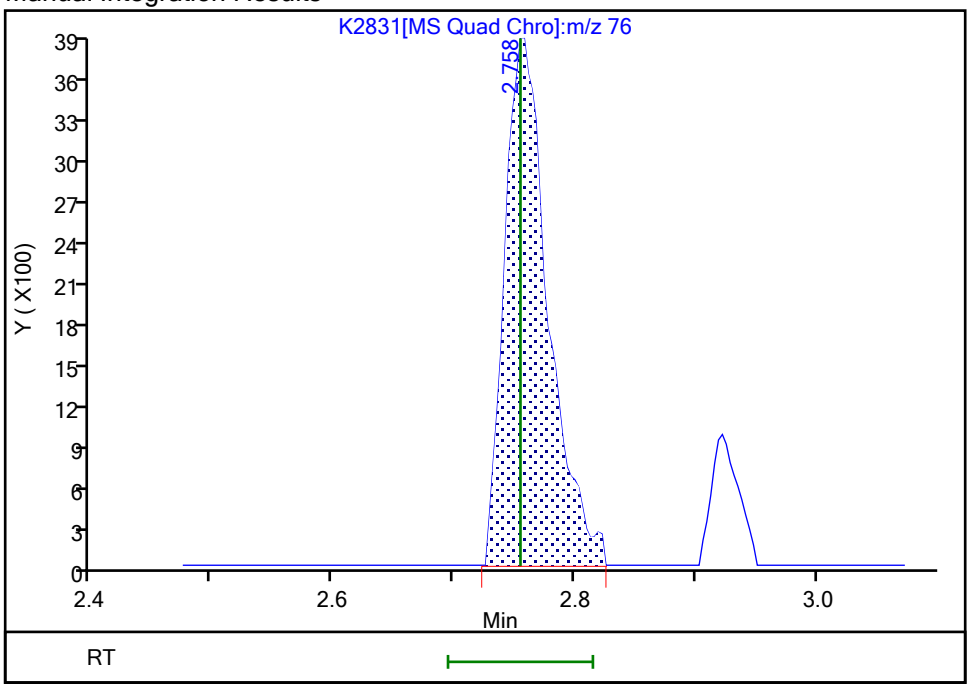
Not Detected
Expected RT: 2.75

Processing Integration Results



Manual Integration Results

RT: 2.76
Area: 9643
Amount: 0.462908
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:21:23 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

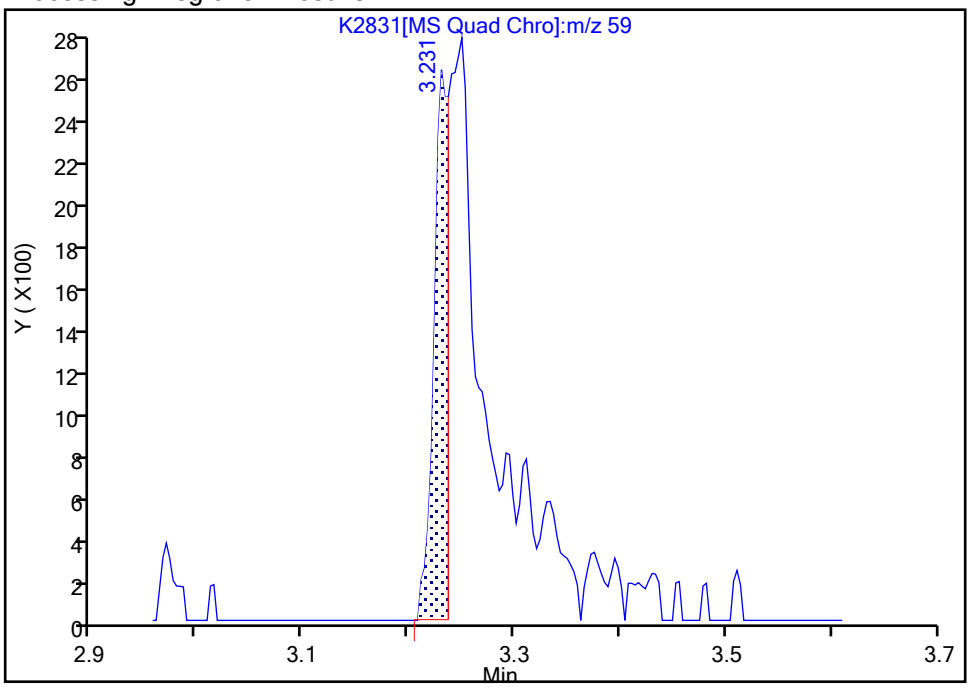
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2831.D
Injection Date: 12-Mar-2024 19:57:26 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

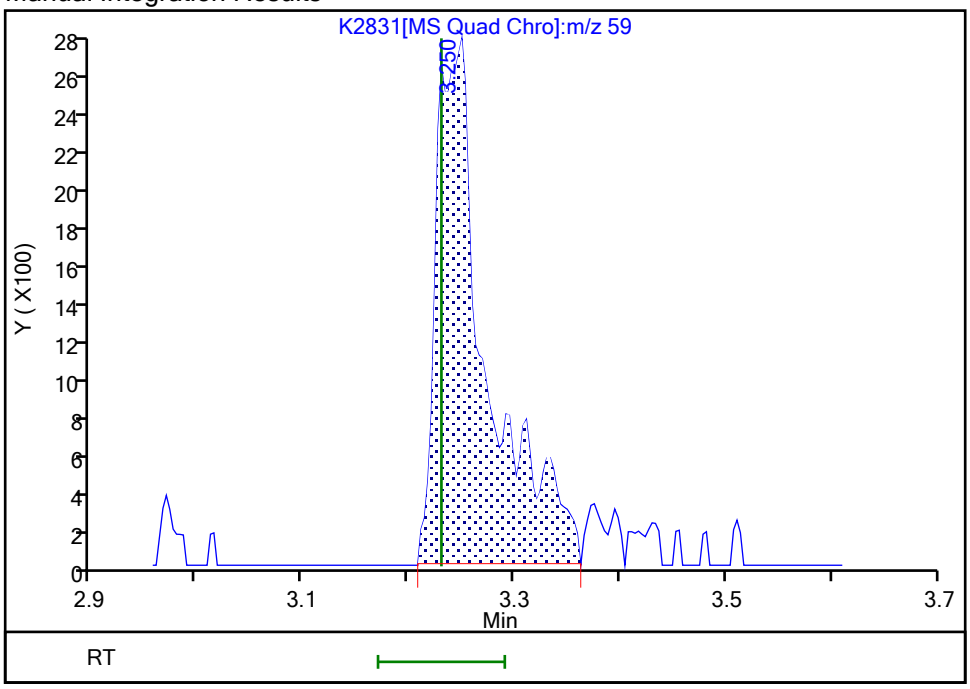
Processing Integration Results

RT: 3.23
Area: 2527
Amount: 4.290114
Amount Units: ug/L



Manual Integration Results

RT: 3.25
Area: 9274
Amount: 4.949874
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:21:39 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

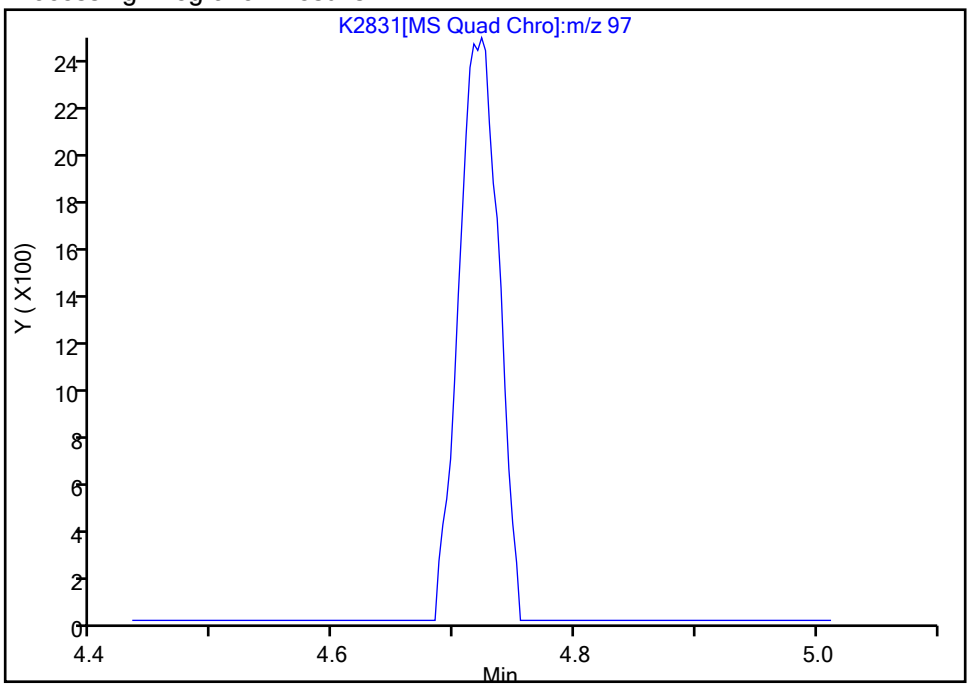
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2831.D
Injection Date: 12-Mar-2024 19:57:26 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

51 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

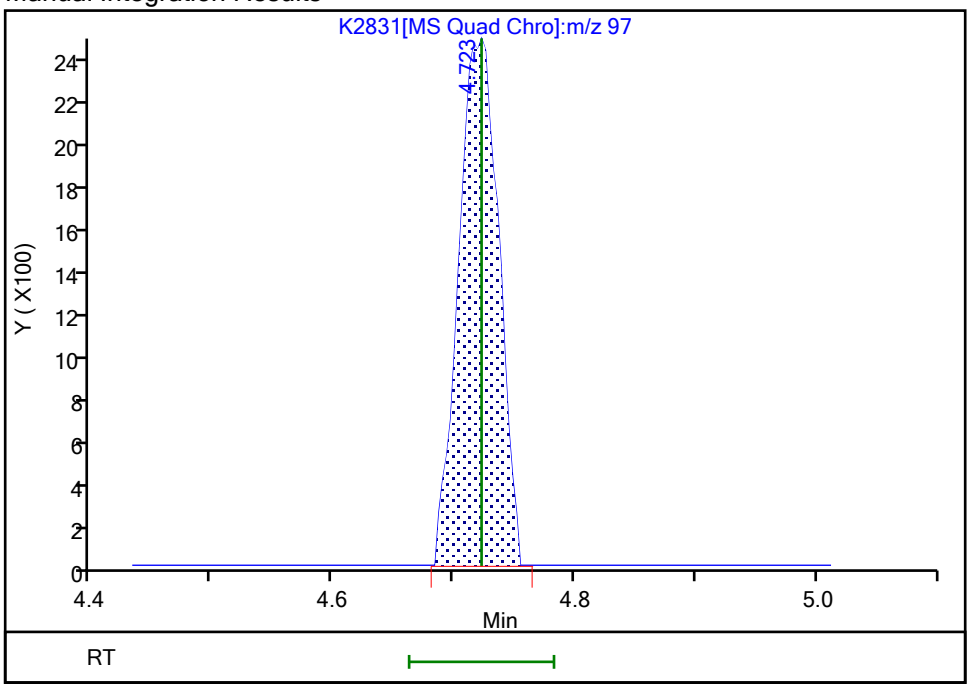
Not Detected
Expected RT: 4.72

Processing Integration Results



Manual Integration Results

RT: 4.72
Area: 5614
Amount: 0.408645
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:21:51 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

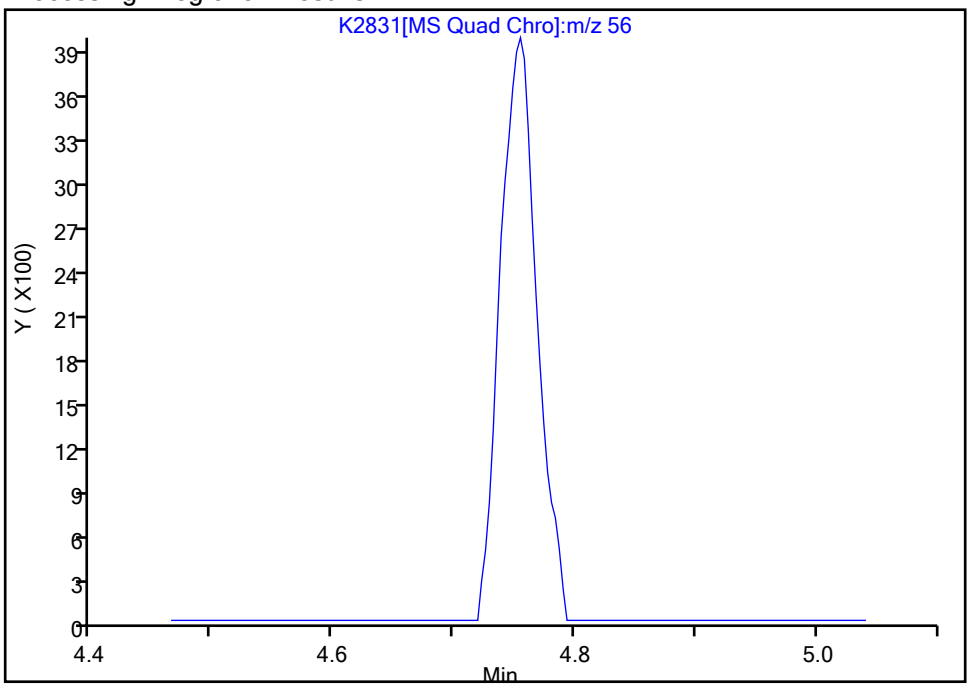
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2831.D
Injection Date: 12-Mar-2024 19:57:26 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

52 Cyclohexane, CAS: 110-82-7

Signal: 1

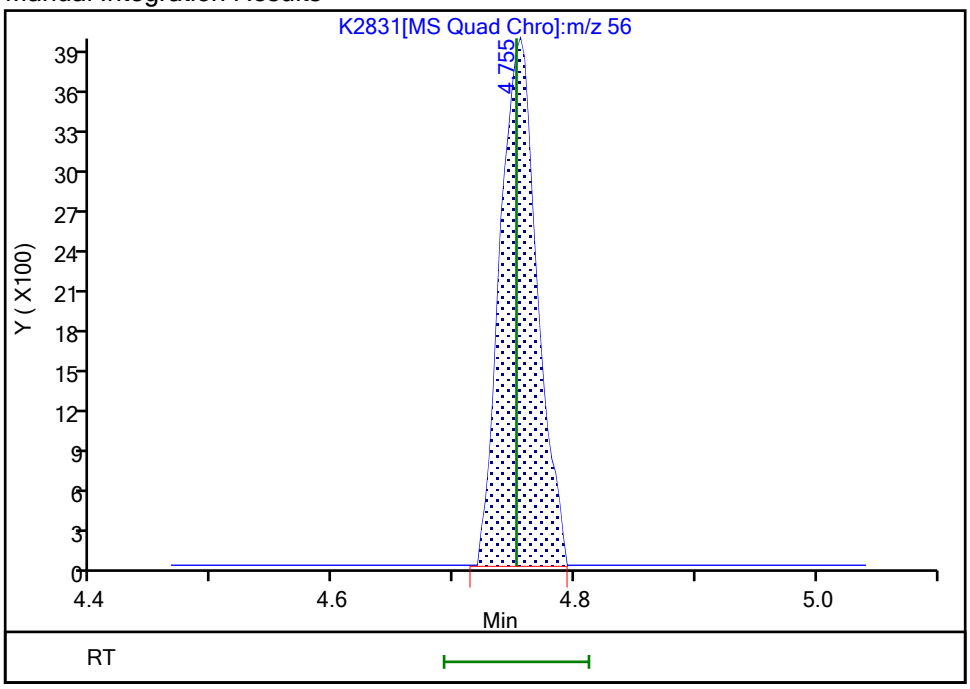
Not Detected
Expected RT: 4.75

Processing Integration Results



Manual Integration Results

RT: 4.75
Area: 8373
Amount: 0.409643
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:21:55 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

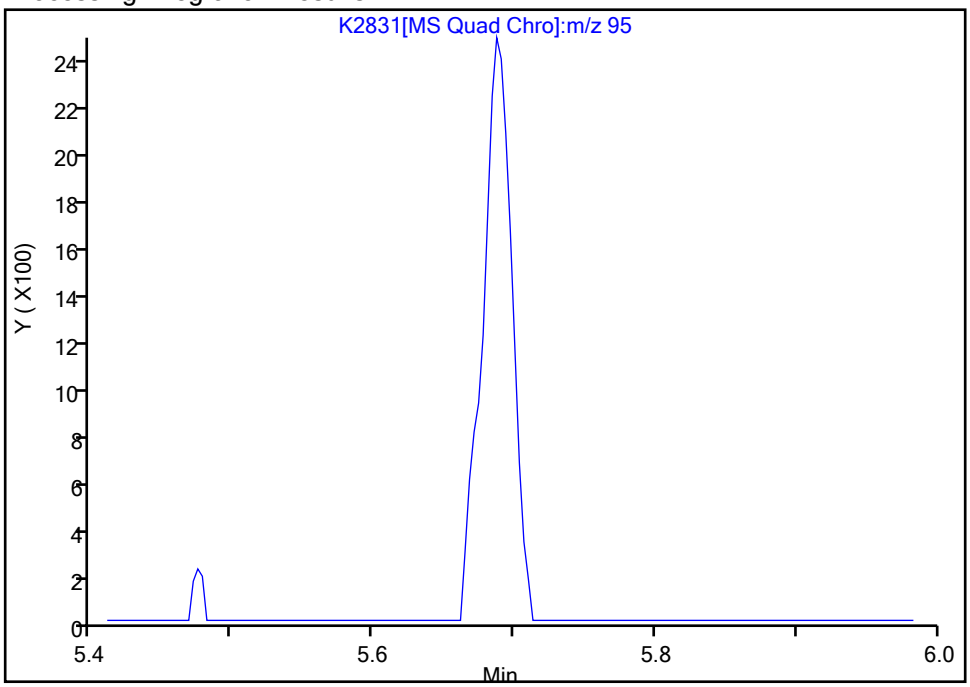
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2831.D
Injection Date: 12-Mar-2024 19:57:26 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

60 Trichloroethene, CAS: 79-01-6

Signal: 1

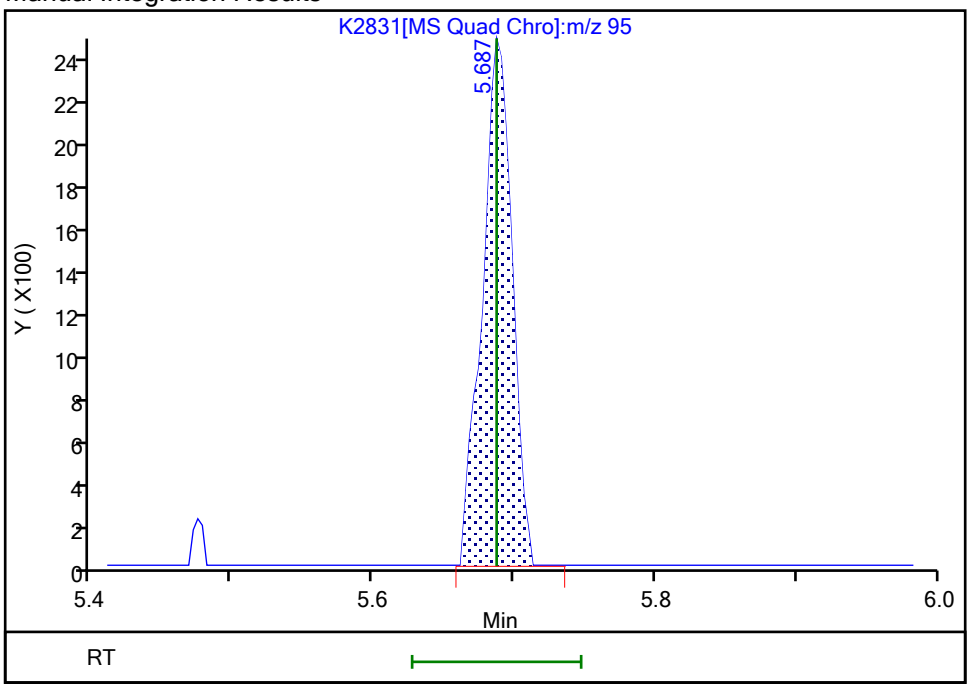
Not Detected
Expected RT: 5.69

Processing Integration Results



Manual Integration Results

RT: 5.69
Area: 3598
Amount: 0.428580
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:22:03 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

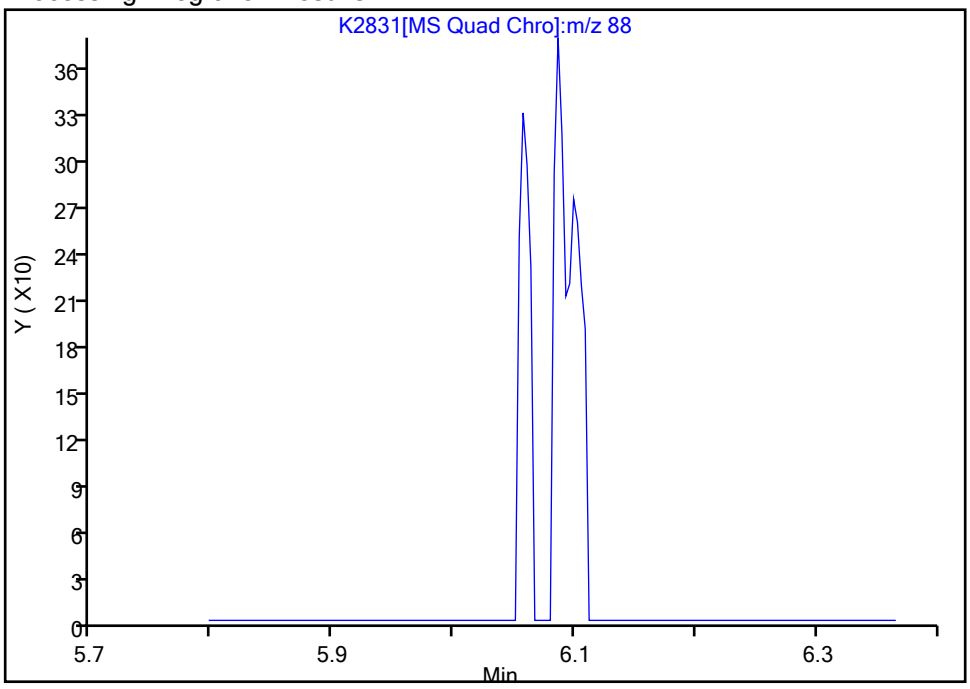
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2831.D
Injection Date: 12-Mar-2024 19:57:26 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

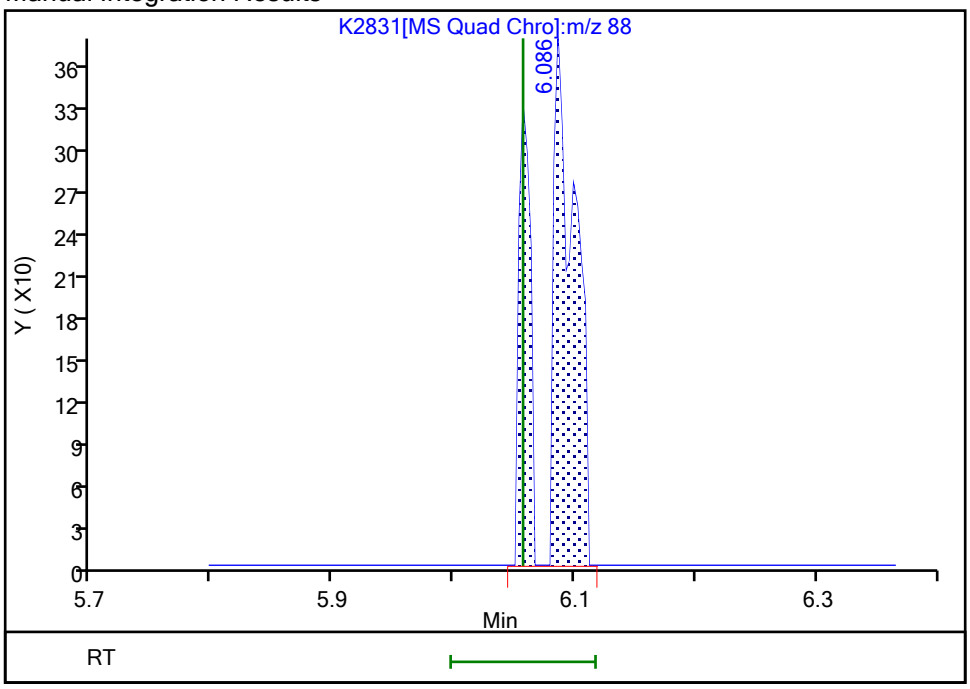
Not Detected
Expected RT: 6.06

Processing Integration Results



Manual Integration Results

RT: 6.09
Area: 656
Amount: 5.728850
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:22:10 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

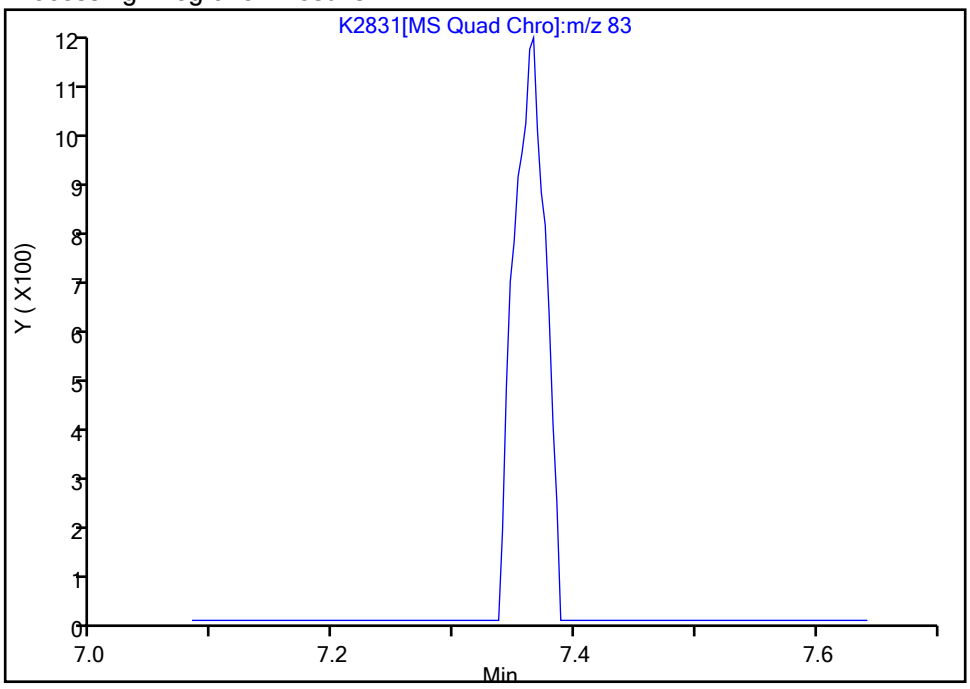
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2831.D
Injection Date: 12-Mar-2024 19:57:26 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

78 1,1,2-Trichloroethane, CAS: 79-00-5

Signal: 1

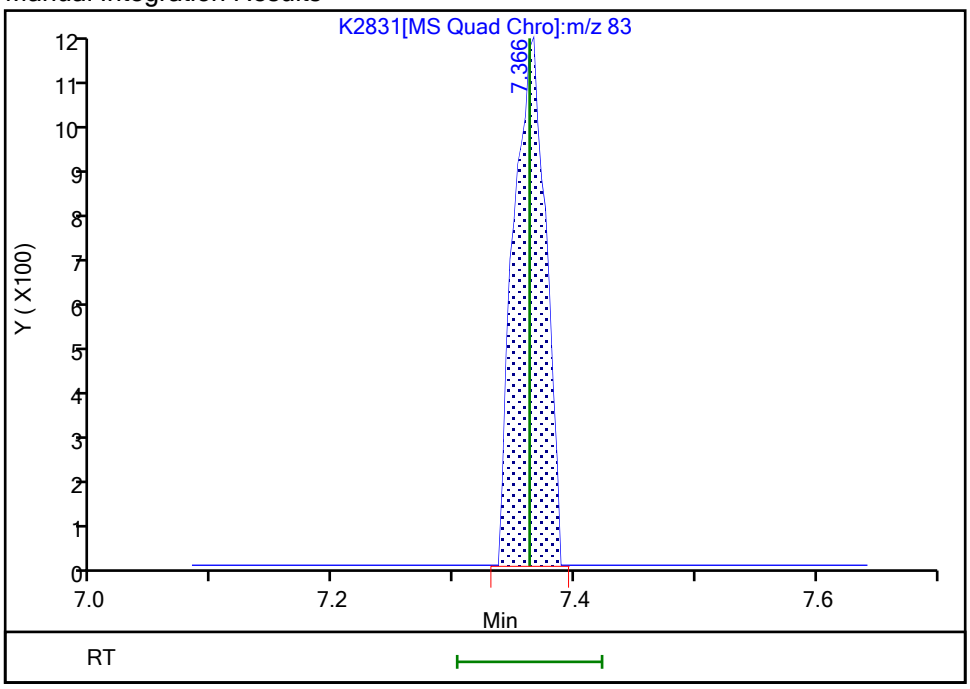
Not Detected
Expected RT: 7.36

Processing Integration Results



Manual Integration Results

RT: 7.37
Area: 2127
Amount: 0.416954
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:22:18 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

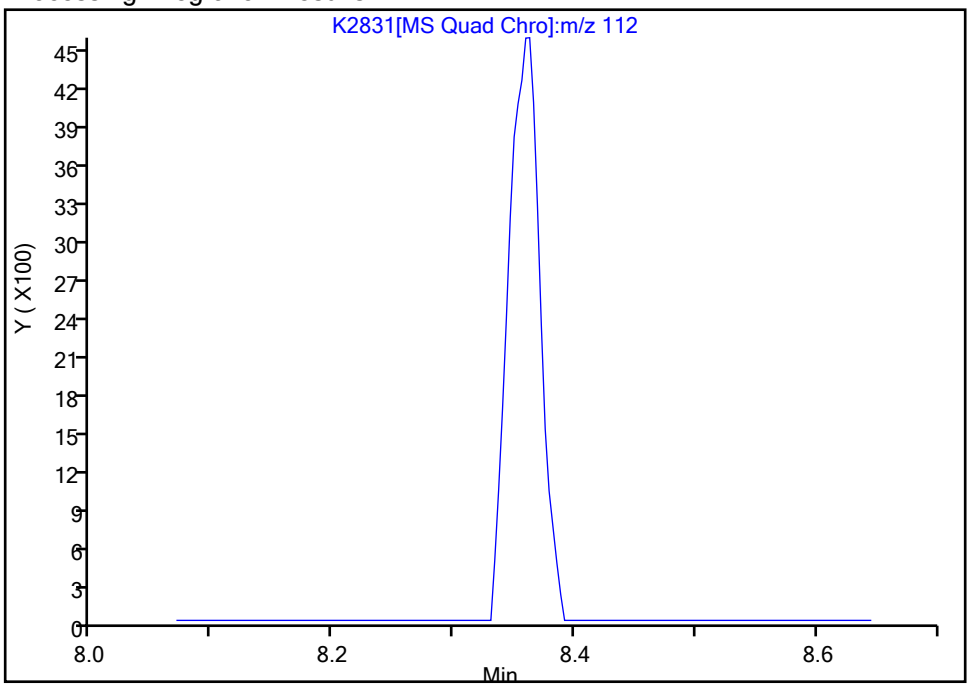
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2831.D
Injection Date: 12-Mar-2024 19:57:26 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

86 Chlorobenzene, CAS: 108-90-7

Signal: 1

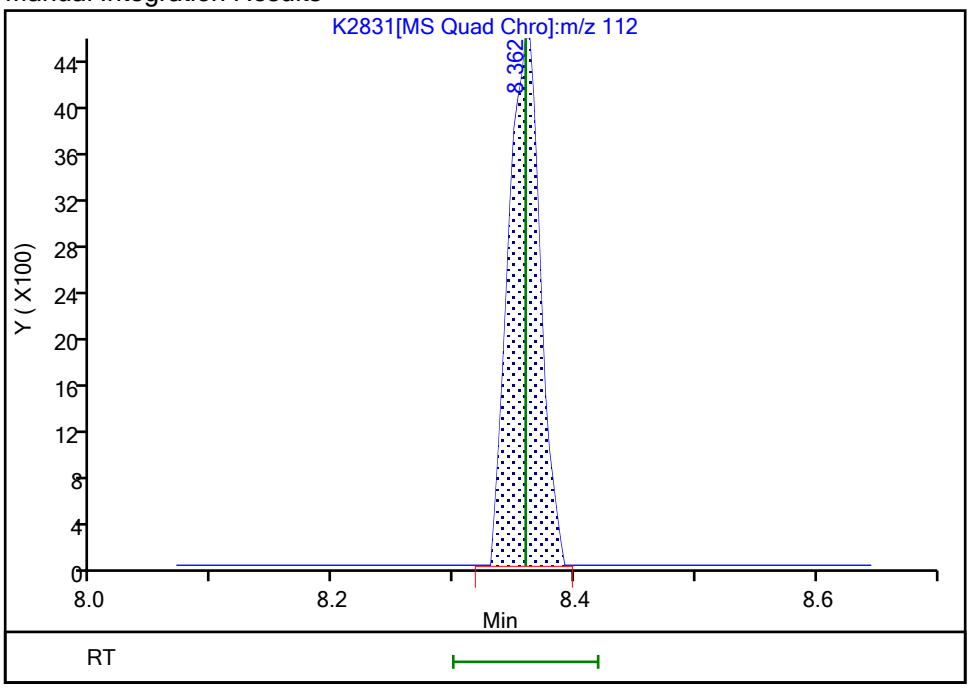
Not Detected
Expected RT: 8.36

Processing Integration Results



Manual Integration Results

RT: 8.36
Area: 8254
Amount: 0.421741
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:22:25 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

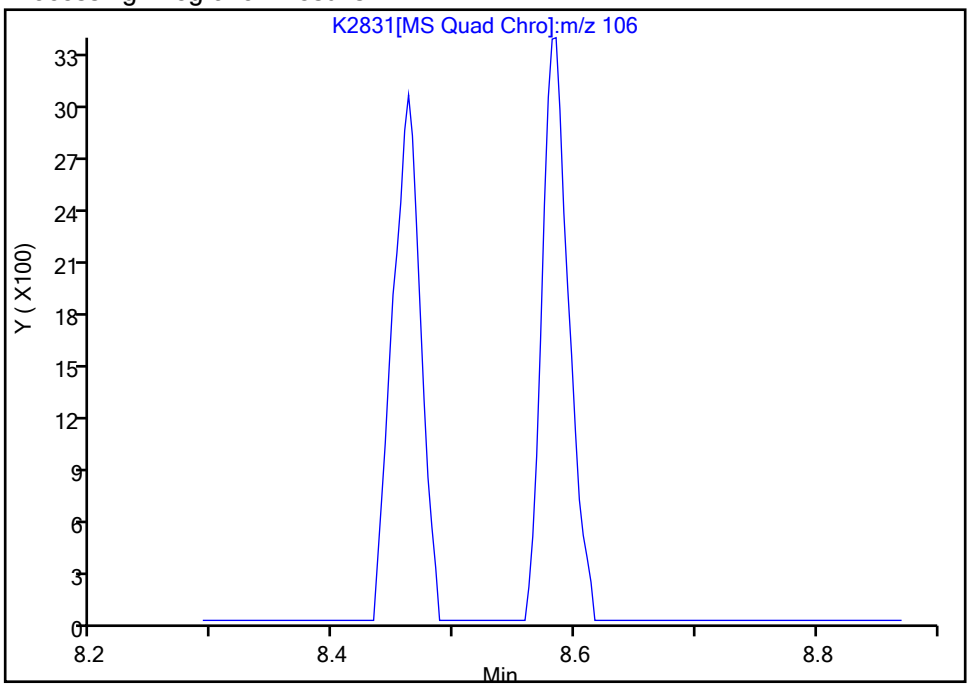
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2831.D
Injection Date: 12-Mar-2024 19:57:26 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

90 m-Xylene & p-Xylene, CAS: 179601-23-1

Signal: 1

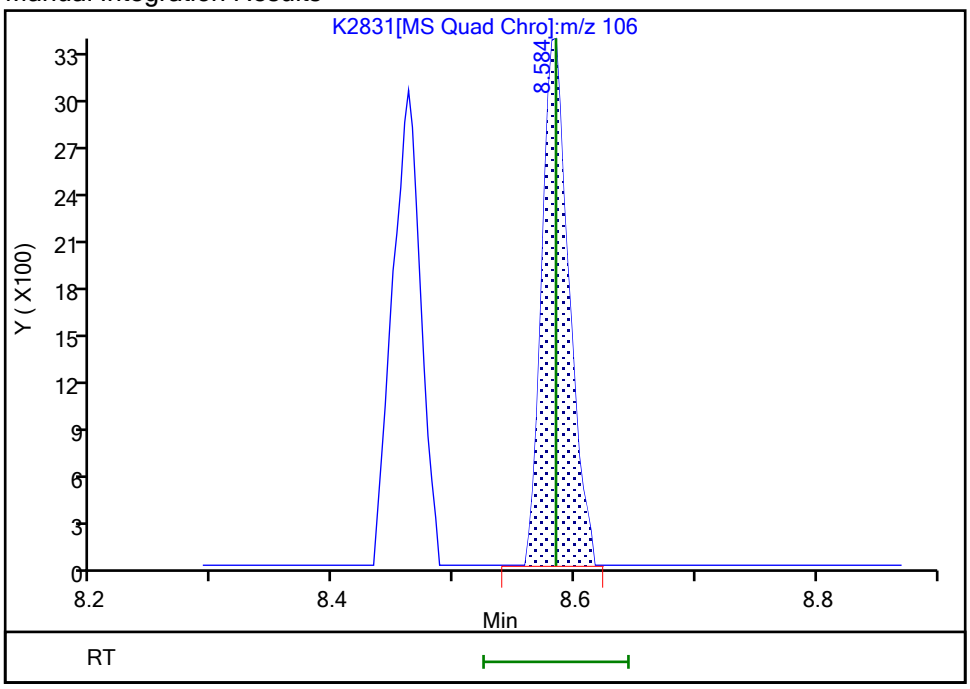
Not Detected
Expected RT: 8.58

Processing Integration Results



Manual Integration Results

RT: 8.58
Area: 5165
Amount: 0.396020
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:22:31 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

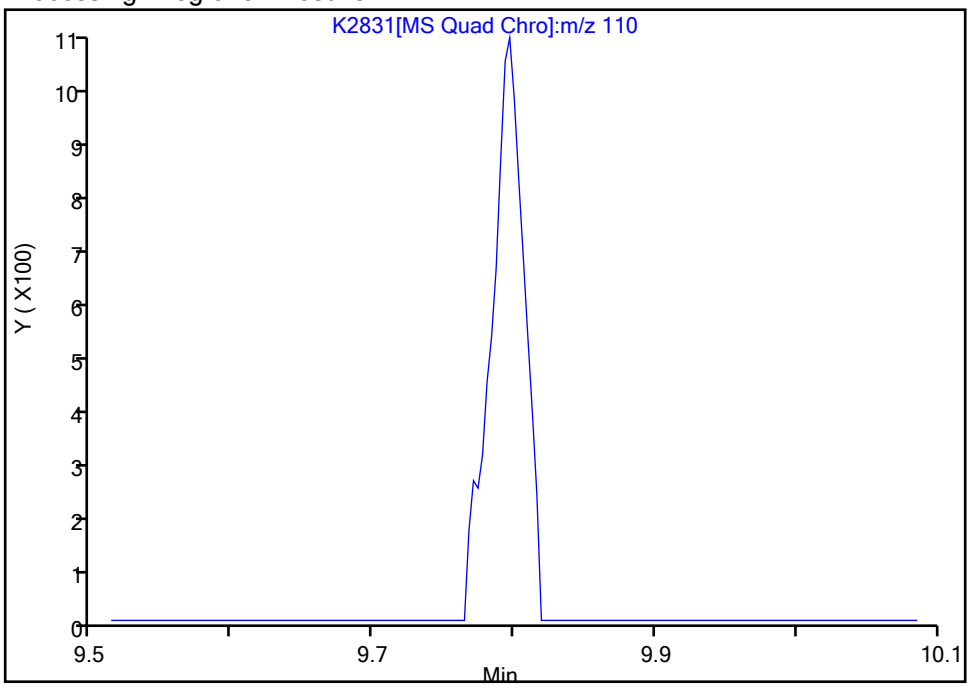
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2831.D
Injection Date: 12-Mar-2024 19:57:26 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

100 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

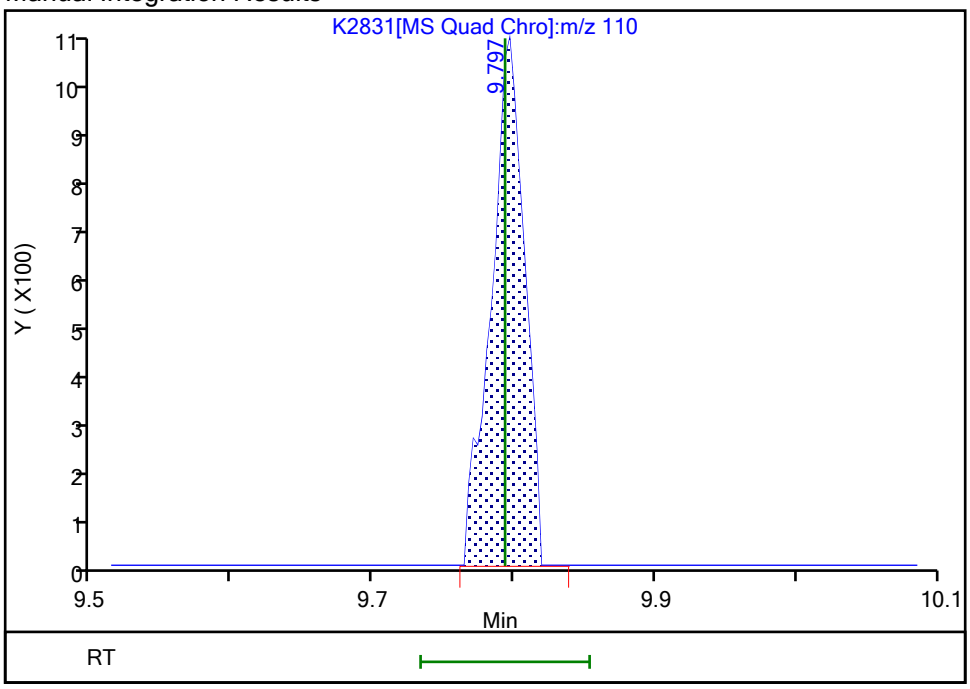
Not Detected
Expected RT: 9.79

Processing Integration Results



Manual Integration Results

RT: 9.80
Area: 1754
Amount: 0.478983
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:22:41 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

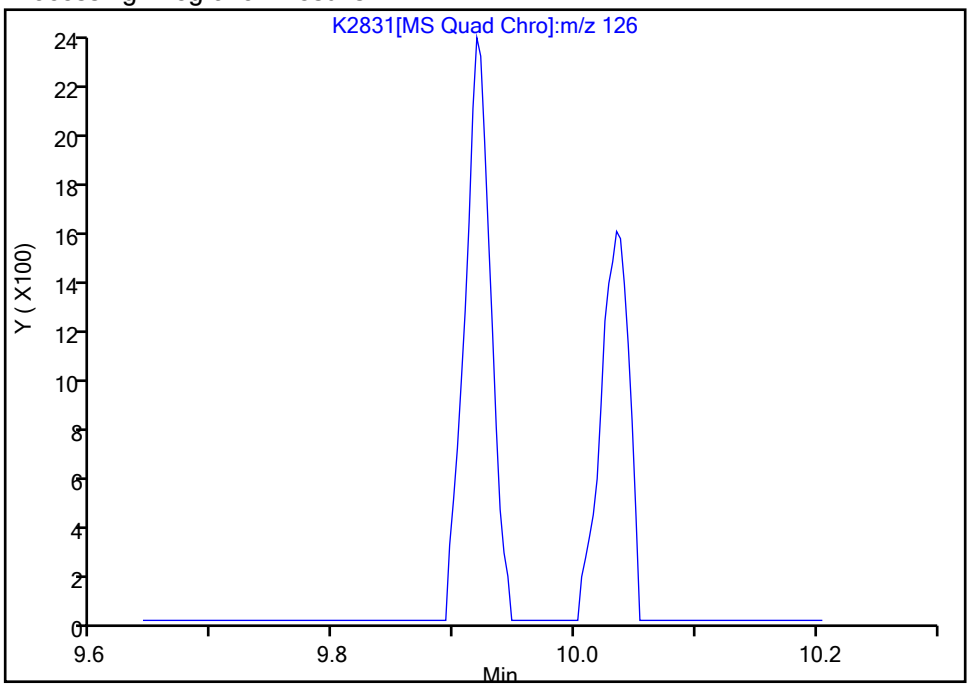
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2831.D
Injection Date: 12-Mar-2024 19:57:26 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

105 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

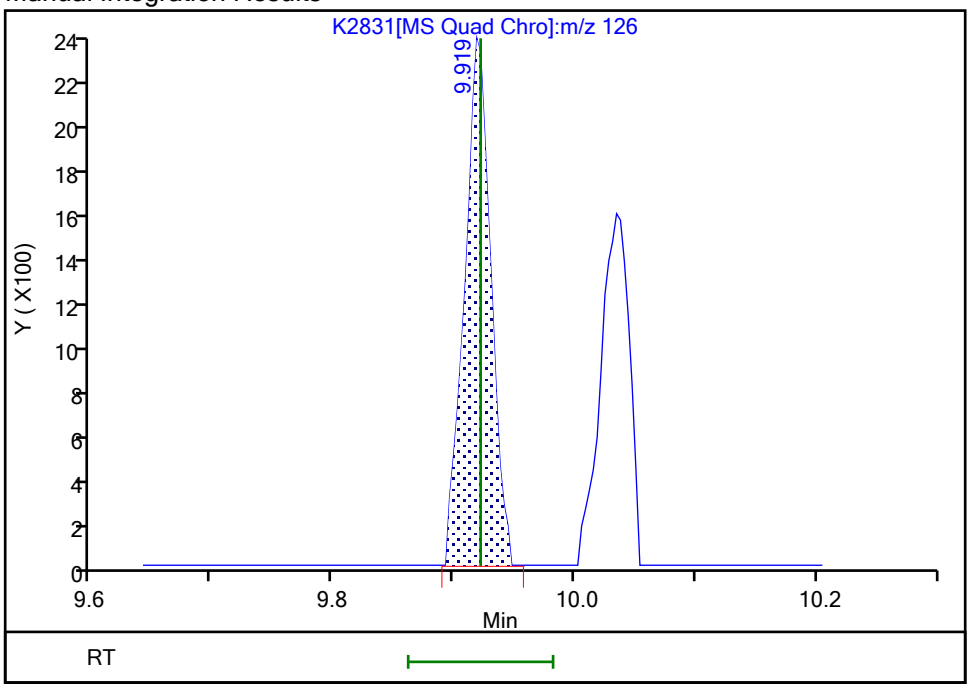
Not Detected
Expected RT: 9.92

Processing Integration Results



Manual Integration Results

RT: 9.92
Area: 3563
Amount: 0.428455
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:22:52 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

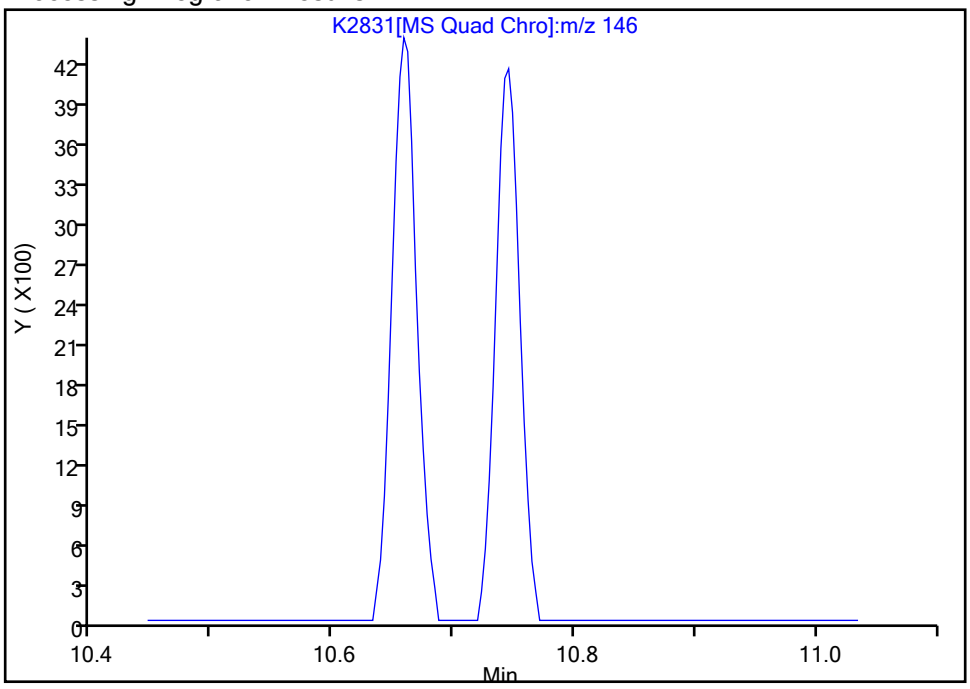
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2831.D
Injection Date: 12-Mar-2024 19:57:26 Instrument ID: HP5977K
Lims ID: IC 0.4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

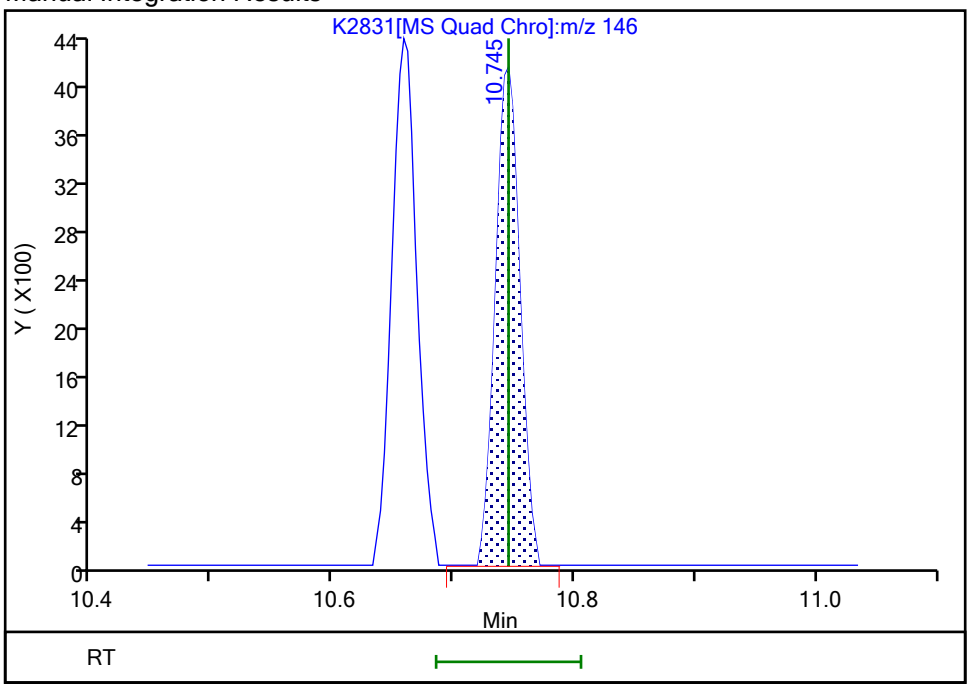
Not Detected
Expected RT: 10.74

Processing Integration Results



Manual Integration Results

RT: 10.75
Area: 5782
Amount: 0.378618
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:23:00 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2832.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 12-Mar-2024 20:19:43 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0116718-008
Operator ID: cdc Instrument ID: HP5977K
Sublist: chrom-K-8260 WATER*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2024 10:59:28 Calib Date: 13-Mar-2024 02:41:36
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2849.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: WLL8 Date: 13-Mar-2024 10:24:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.343	5.343	0.000	98	148266	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.330	8.327	0.003	88	564642	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.723	10.722	0.000	97	291426	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.742	4.739	0.003	93	214560	25.0	25.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.047	5.044	0.003	96	236489	25.0	25.1	
$ 6 Toluene-d8 (Surr)	98	6.858	6.854	0.004	94	737469	25.0	25.9	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	87	220923	25.0	25.6	
11 Dichlorodifluoromethane	85	1.176	1.166	0.010	98	13466	1.00	0.9791	
13 Chloromethane	50	1.347	1.337	0.010	99	13153	1.00	1.08	
14 Vinyl chloride	62	1.433	1.427	0.006	95	10586	1.00	1.03	
151 Butadiene	54	1.462	1.453	0.009	86	11193	1.00	0.9676	
15 Bromomethane	94	1.745	1.736	0.009	92	5763	1.00	1.13	
16 Chloroethane	64	1.832	1.816	0.016	87	4684	1.00	0.9180	
18 Dichlorofluoromethane	67	2.051	2.041	0.010	96	19038	1.00	1.01	
17 Trichlorofluoromethane	101	2.064	2.060	0.004	75	15861	1.00	0.9854	
19 Ethyl ether	59	2.350	2.346	0.004	92	10114	1.00	1.06	
21 Acrolein	56	2.498	2.498	0.000	81	2351	5.00	5.32	
22 1,1-Dichloroethene	96	2.559	2.555	0.004	94	8199	1.00	1.06	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.572	2.565	0.007	0	9025	1.00	1.06	M
23 Acetone	43	2.668	2.652	0.016	97	23915	5.00	5.47	
24 Iodomethane	142	2.710	2.707	0.003	97	14583	1.00	1.09	M
25 Carbon disulfide	76	2.765	2.755	0.009	0	23725	1.00	1.07	M
27 3-Chloro-1-propene	41	2.928	2.925	0.003	92	17165	1.00	1.07	
28 Methyl acetate	43	2.980	2.967	0.013	98	21342	2.00	2.06	
30 Methylene Chloride	84	3.060	3.060	0.000	96	10855	1.00	1.13	
31 2-Methyl-2-propanol	59	3.244	3.231	0.013	98	20731	10.0	10.4	
33 Methyl tert-butyl ether	73	3.318	3.305	0.013	0	28968	1.00	1.08	M
32 trans-1,2-Dichloroethene	96	3.311	3.308	0.003	91	9239	1.00	1.05	
34 Acrylonitrile	53	3.327	3.318	0.009	99	72399	10.0	11.0	
35 Hexane	57	3.543	3.539	0.004	85	17313	1.00	1.11	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.723	3.719	0.004	96	20284	1.00	1.09	
39 Vinyl acetate	43	3.784	3.777	0.007	97	38694	2.00	2.06	
42 2,2-Dichloropropane	77	4.253	4.250	0.003	0	11304	1.00	1.14	M
43 cis-1,2-Dichloroethene	96	4.279	4.276	0.003	86	10465	1.00	1.11	
44 2-Butanone (MEK)	43	4.311	4.298	0.013	98	31183	5.00	5.02	
47 Chlorobromomethane	128	4.507	4.504	0.003	92	4900	1.00	1.08	
48 Tetrahydrofuran	42	4.555	4.543	0.012	88	9665	2.00	2.08	
50 Chloroform	83	4.584	4.588	-0.004	92	19655	1.00	1.18	
51 1,1,1-Trichloroethane	97	4.726	4.723	0.003	97	15972	1.00	1.09	
52 Cyclohexane	56	4.755	4.752	0.003	87	24376	1.00	1.12	
53 Carbon tetrachloride	117	4.871	4.871	0.000	90	14382	1.00	1.07	
54 1,1-Dichloropropene	75	4.874	4.877	-0.003	0	13234	1.00	1.09	M
56 Isobutyl alcohol	43	5.080	5.070	0.010	57	18972	25.0	23.5	
55 Benzene	78	5.073	5.073	0.000	96	38793	1.00	1.16	
57 1,2-Dichloroethane	62	5.118	5.118	0.000	96	16049	1.00	1.14	
59 n-Heptane	43	5.298	5.295	0.003	91	12779	1.00	1.07	
60 Trichloroethene	95	5.690	5.687	0.003	94	9558	1.00	1.07	
62 Methylcyclohexane	83	5.835	5.835	0.000	93	16768	1.00	1.08	
63 1,2-Dichloropropane	63	5.909	5.909	0.000	96	9503	1.00	1.04	
65 Dibromomethane	93	6.041	6.038	0.003	94	5509	1.00	1.09	
66 1,4-Dioxane	88	6.067	6.057	0.010	89	2244	20.0	18.2	
67 Dichlorobromomethane	83	6.195	6.195	0.000	97	11514	1.00	1.10	
69 2-Chloroethyl vinyl ether	63	6.485	6.478	0.007	90	6072	1.00	1.03	
71 cis-1,3-Dichloropropene	75	6.616	6.620	-0.004	91	11908	1.00	1.03	
72 4-Methyl-2-pentanone (MIBK)	43	6.764	6.761	0.003	96	65776	5.00	5.17	
73 Toluene	92	6.925	6.922	0.003	98	21531	1.00	1.09	
75 trans-1,3-Dichloropropene	75	7.182	7.176	0.006	93	9920	1.00	1.01	
77 Ethyl methacrylate	69	7.250	7.247	0.003	89	8990	1.00	0.9871	
78 1,1,2-Trichloroethane	83	7.362	7.362	0.000	91	5787	1.00	1.05	
79 Tetrachloroethene	166	7.465	7.465	0.000	92	9556	1.00	1.09	
80 1,3-Dichloropropane	76	7.526	7.526	0.000	97	12683	1.00	1.11	
81 2-Hexanone	43	7.604	7.597	0.007	93	42910	5.00	5.15	
82 Chlorodibromomethane	129	7.764	7.761	0.003	89	7447	1.00	1.02	
83 Ethylene Dibromide	107	7.867	7.864	0.003	98	8087	1.00	1.13	
86 Chlorobenzene	112	8.359	8.359	0.000	96	23709	1.00	1.12	
89 1,1,1,2-Tetrachloroethane	131	8.452	8.452	0.000	88	8211	1.00	1.04	
88 Ethylbenzene	91	8.462	8.459	0.003	99	40799	1.00	1.09	
90 m-Xylene & p-Xylene	106	8.581	8.584	-0.003	96	15580	1.00	1.11	
91 o-Xylene	106	9.006	9.005	0.001	96	15459	1.00	1.06	
92 Styrene	104	9.031	9.028	0.003	92	21889	1.00	1.05	
93 Bromoform	173	9.253	9.253	0.000	88	5123	1.00	1.09	
95 Isopropylbenzene	105	9.395	9.395	0.000	96	40635	1.00	1.06	
97 Bromobenzene	156	9.729	9.729	0.000	93	9202	1.00	1.08	
98 1,1,2,2-Tetrachloroethane	83	9.764	9.764	0.000	95	11270	1.00	1.09	
100 1,2,3-Trichloropropane	110	9.796	9.793	0.003	80	4281	1.00	1.10	
101 trans-1,4-Dichloro-2-butene	53	9.809	9.813	-0.004	61	3293	1.00	0.9124	
99 N-Propylbenzene	91	9.825	9.825	0.000	98	46325	1.00	1.07	
105 2-Chlorotoluene	126	9.922	9.922	0.000	95	8888	1.00	1.01	
104 1,3,5-Trimethylbenzene	105	10.005	10.005	0.000	92	31636	1.00	1.01	
102 4-Chlorotoluene	91	10.031	10.031	0.000	97	29092	1.00	1.02	
106 tert-Butylbenzene	134	10.324	10.324	0.000	91	7047	1.00	1.04	
107 1,2,4-Trimethylbenzene	105	10.378	10.378	0.000	97	32446	1.00	1.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.536	10.536	0.000	95	37714	1.00	0.9625	
110 1,3-Dichlorobenzene	146	10.655	10.658	-0.003	94	16681	1.00	1.03	
111 4-Isopropyltoluene	119	10.677	10.677	0.000	96	34640	1.00	1.02	
113 1,4-Dichlorobenzene	146	10.745	10.745	0.000	93	18003	1.00	1.11	
115 n-Butylbenzene	91	11.060	11.060	0.000	97	28772	1.00	1.01	
116 1,2-Dichlorobenzene	146	11.092	11.092	0.000	94	17514	1.00	1.06	
117 1,2-Dibromo-3-Chloropropane	75	11.809	11.806	0.003	78	2490	1.00	0.9078	
119 1,2,4-Trichlorobenzene	180	12.501	12.501	0.000	94	10946	1.00	1.00	
120 Hexachlorobutadiene	225	12.629	12.629	0.000	95	4860	1.00	1.08	
121 Naphthalene	128	12.706	12.706	0.000	98	40739	1.00	1.06	
122 1,2,3-Trichlorobenzene	180	12.912	12.912	0.000	92	11648	1.00	1.05	
S 123 1,3-Dichloropropene, Total	1				0			2.04	
S 126 Xylenes, Total	1				0			2.17	
S 124 1,2-Dichloroethene, Total	1				0			2.16	
S 125 Total BTEX	1				0			5.51	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00611	Amount Added:	1.00	Units: uL	
8260 CORP mix_00251	Amount Added:	1.00	Units: uL	
K WATER IS/SS_00012	Amount Added:	5.00	Units: uL	Run Reagent

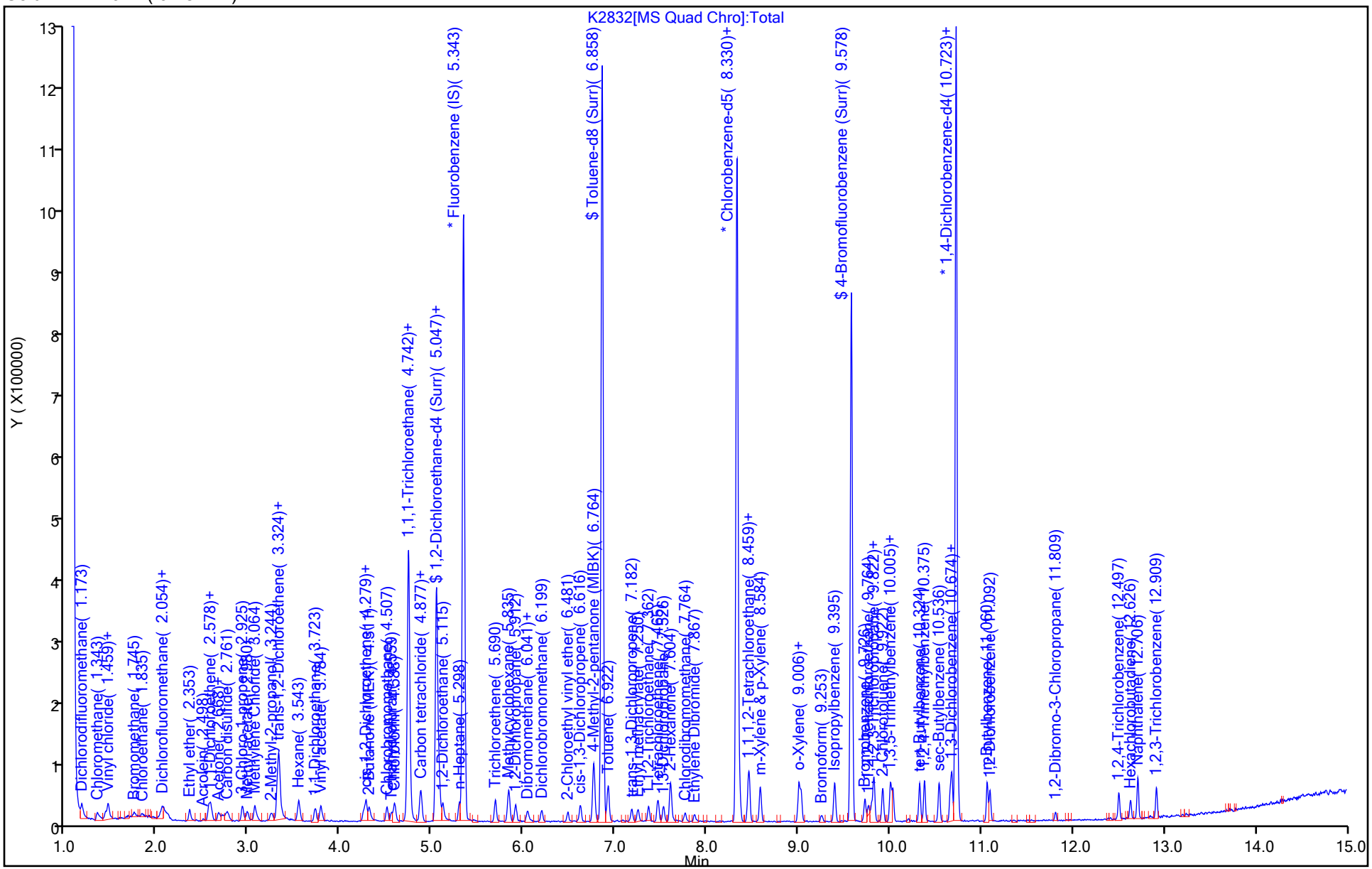
Report Date: 13-Mar-2024 10:59:29 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2832.D

Injection Date:	12-Mar-2024 20:19:43	Instrument ID:	HP5977K	Operator ID:	cdc
Lims ID:	IC			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

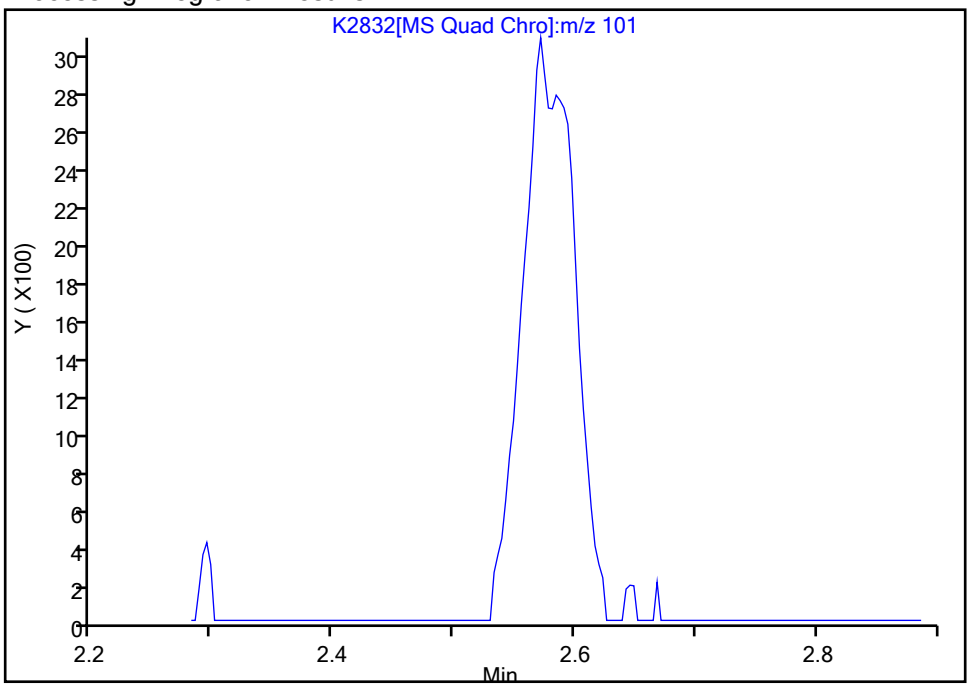
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2832.D
Injection Date: 12-Mar-2024 20:19:43 Instrument ID: HP5977K
Lims ID: IC
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

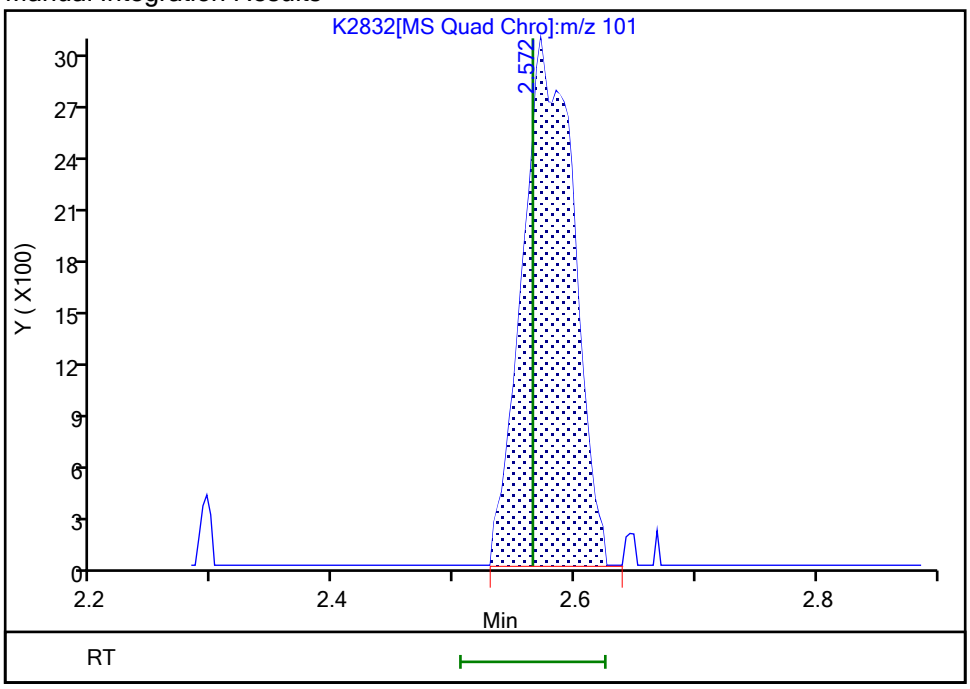
Not Detected
Expected RT: 2.57

Processing Integration Results



Manual Integration Results

RT: 2.57
Area: 9025
Amount: 1.059552
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:23:43 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

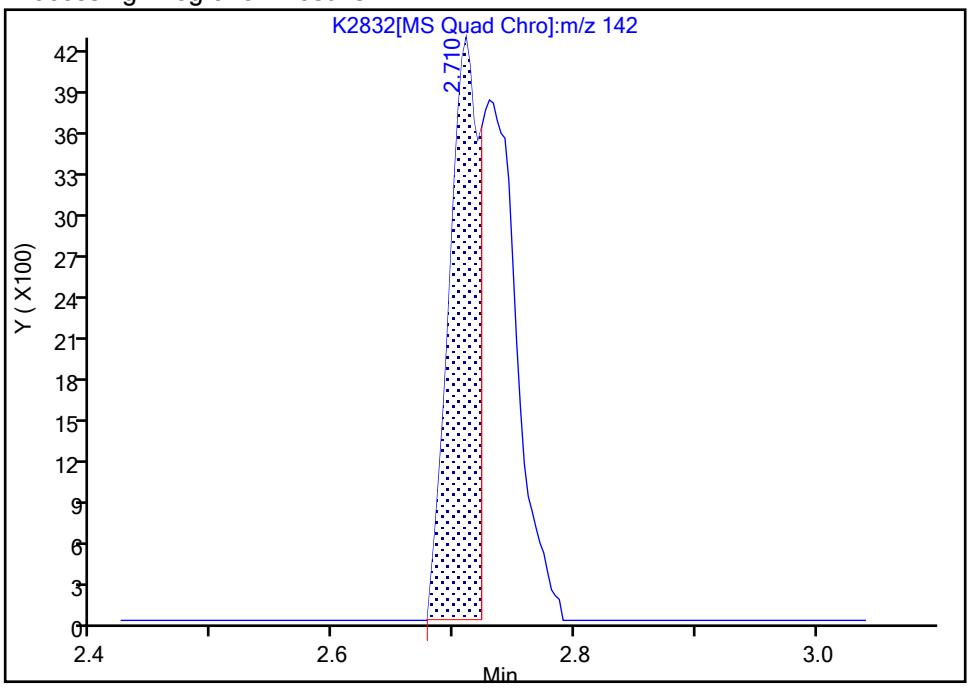
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2832.D
Injection Date: 12-Mar-2024 20:19:43 Instrument ID: HP5977K
Lims ID: IC
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

24 Iodomethane, CAS: 74-88-4

Signal: 1

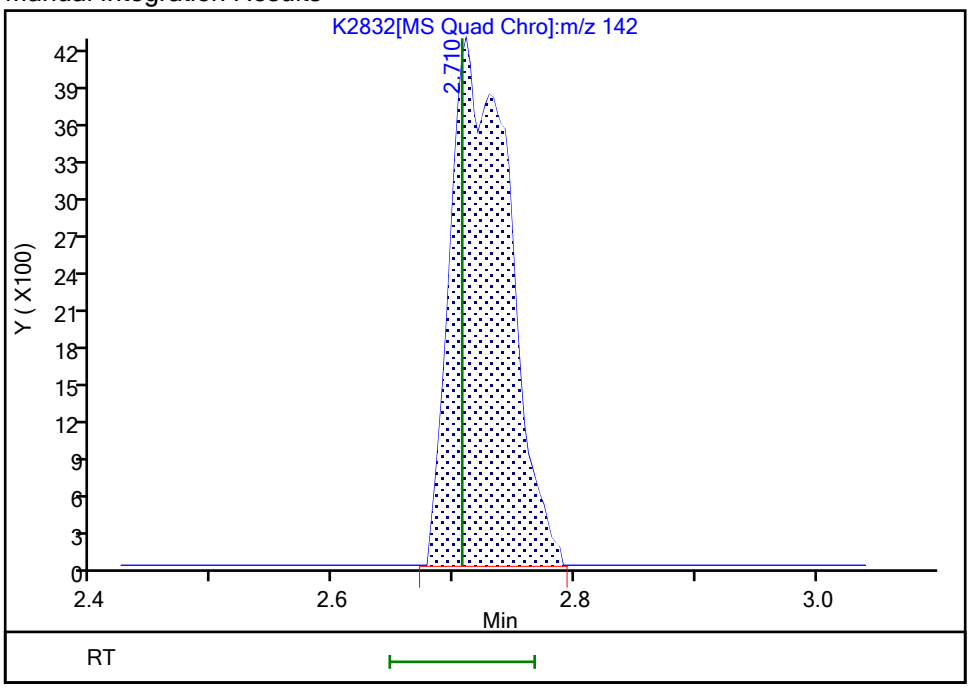
Processing Integration Results

RT: 2.71
Area: 7419
Amount: 0.679977
Amount Units: ug/L



Manual Integration Results

RT: 2.71
Area: 14583
Amount: 1.086914
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:23:49 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

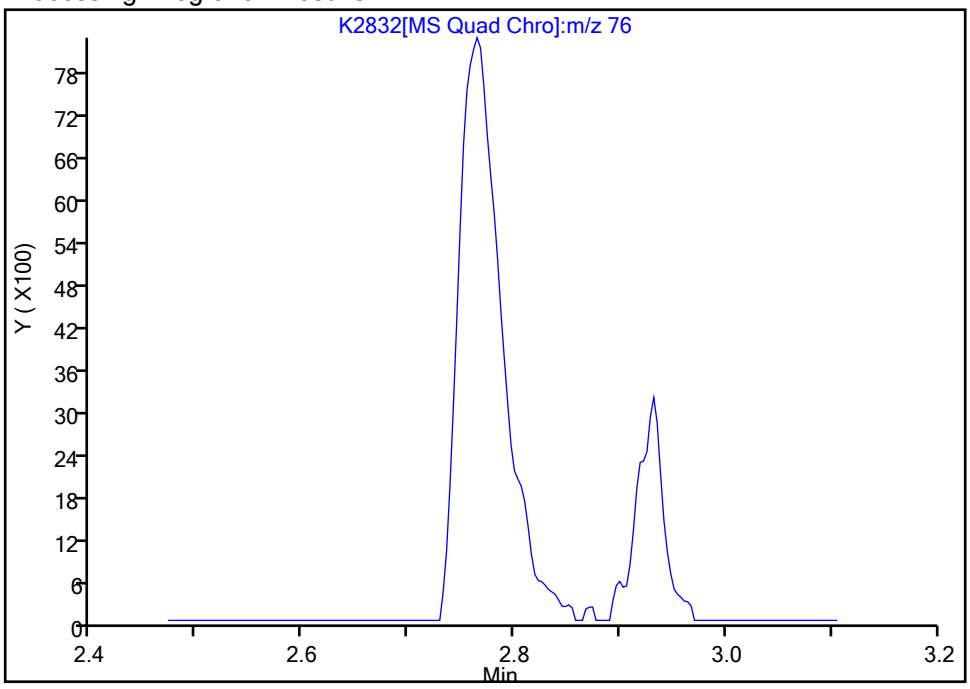
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2832.D
Injection Date: 12-Mar-2024 20:19:43 Instrument ID: HP5977K
Lims ID: IC
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

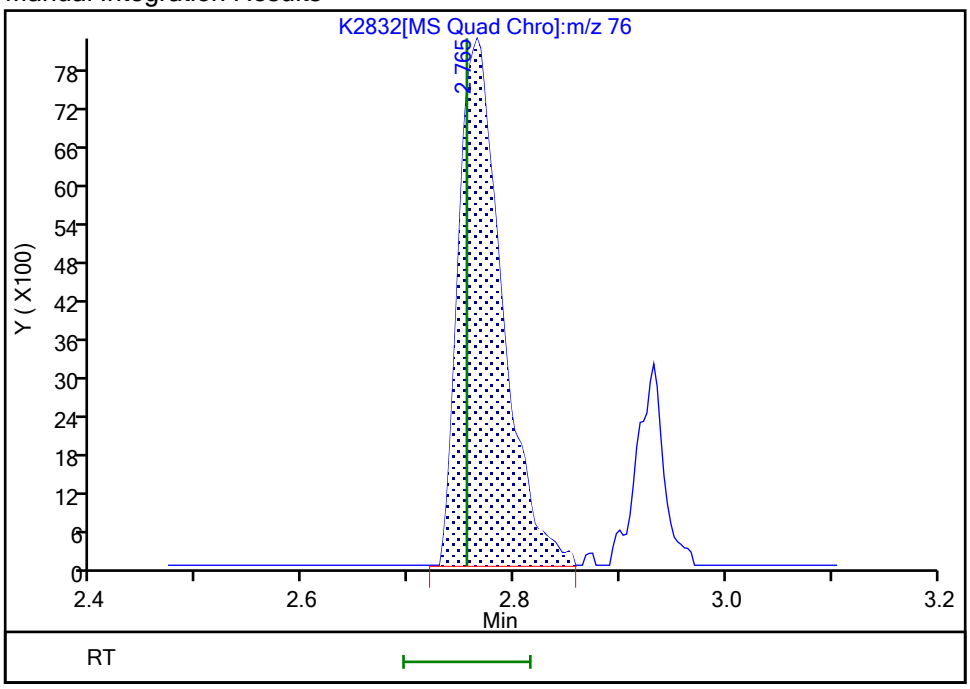
Not Detected
Expected RT: 2.75

Processing Integration Results



Manual Integration Results

RT: 2.76
Area: 23725
Amount: 1.068016
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:23:53 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

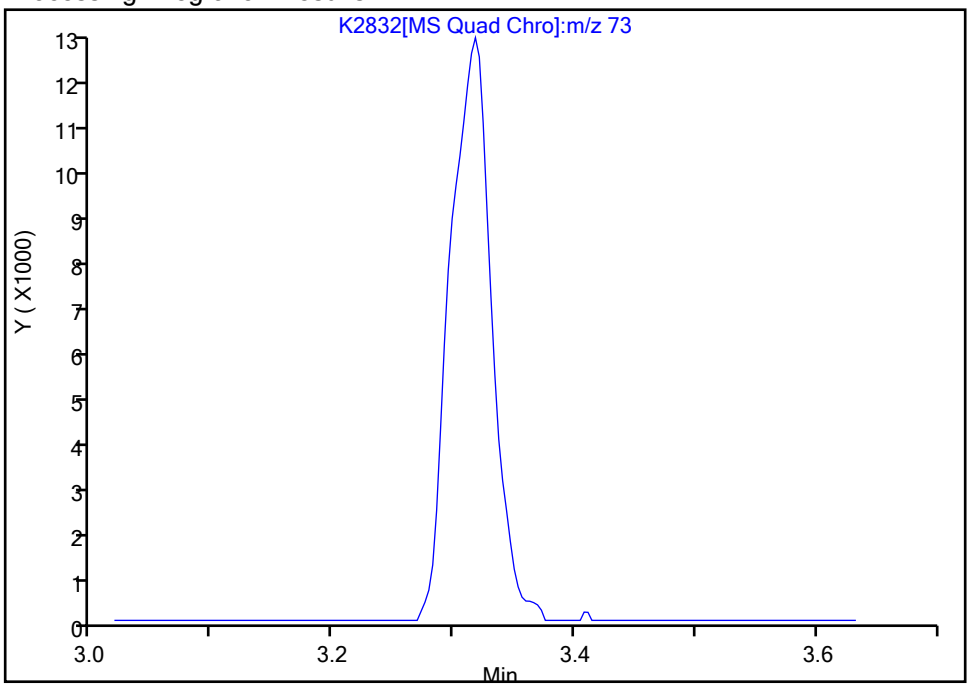
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2832.D
Injection Date: 12-Mar-2024 20:19:43 Instrument ID: HP5977K
Lims ID: IC
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

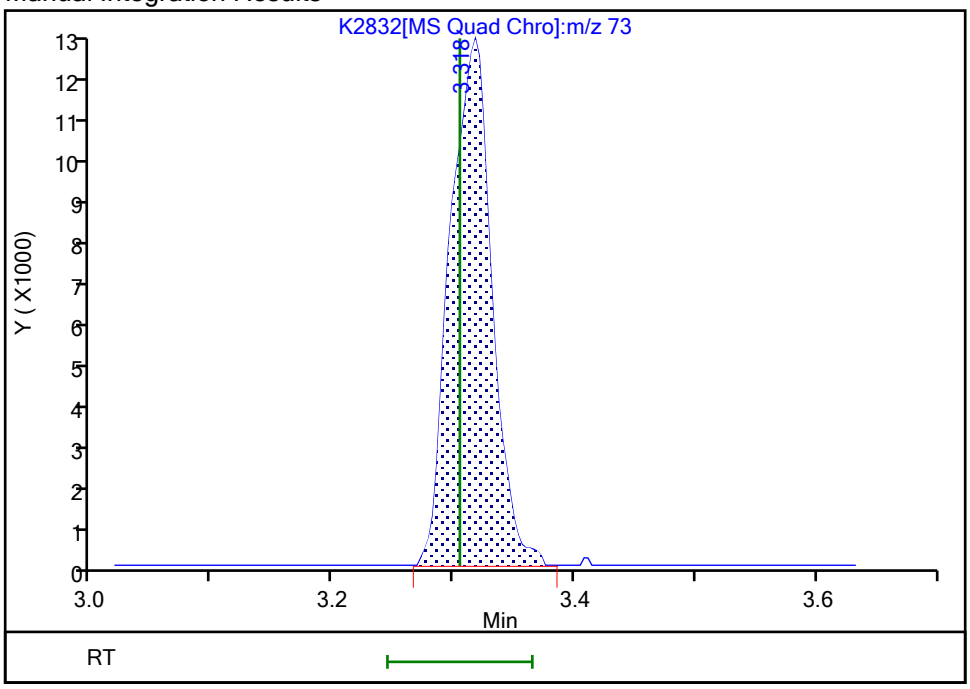
Not Detected
Expected RT: 3.30

Processing Integration Results



Manual Integration Results

RT: 3.32
Area: 28968
Amount: 1.075216
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:24:05 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

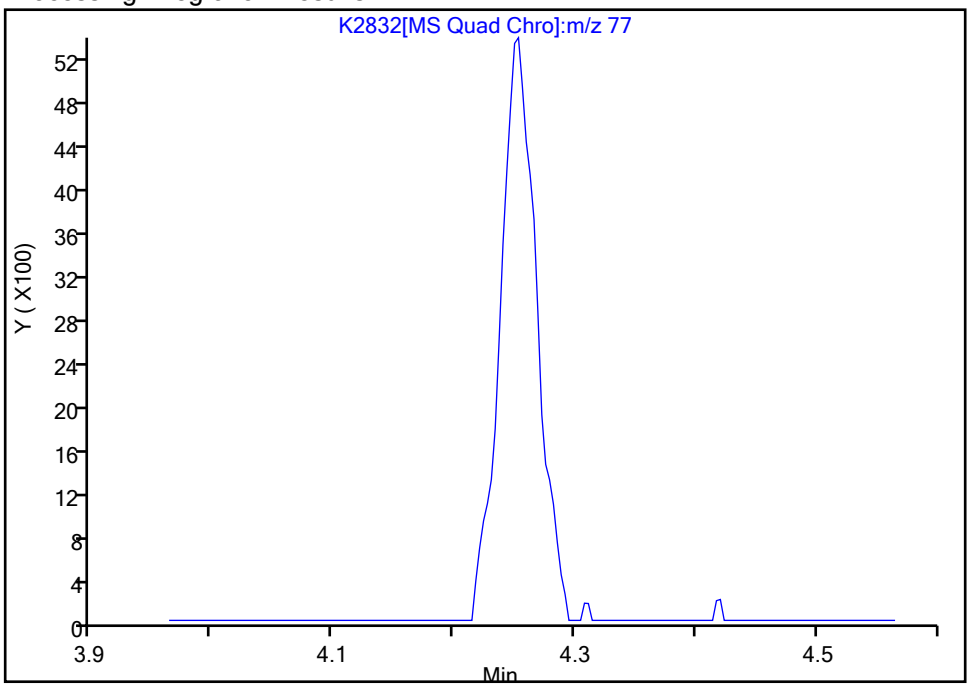
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2832.D
Injection Date: 12-Mar-2024 20:19:43 Instrument ID: HP5977K
Lims ID: IC
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

42 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

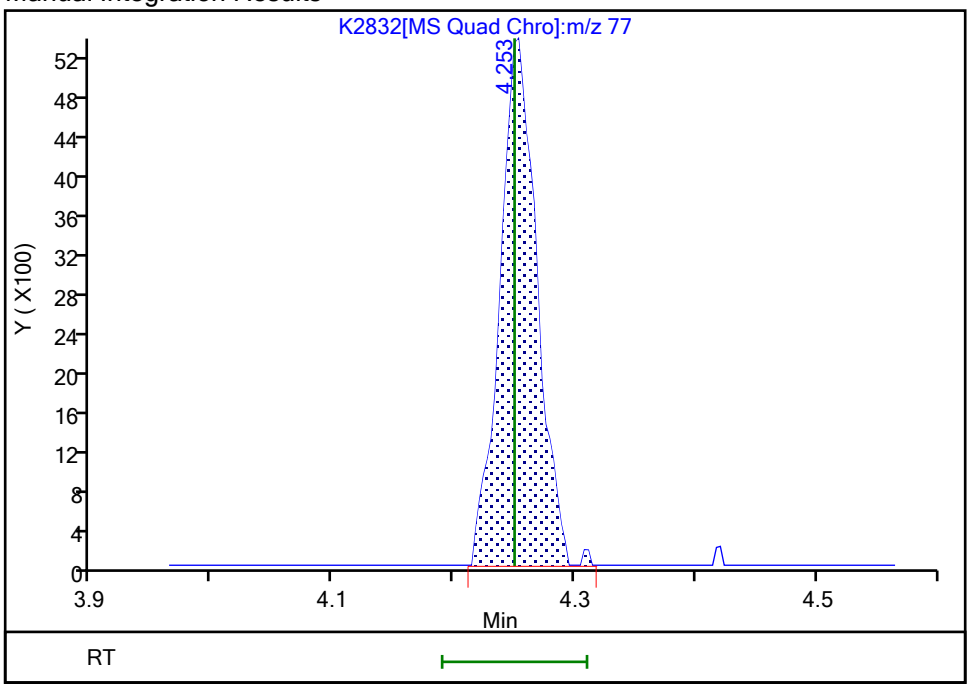
Not Detected
Expected RT: 4.25

Processing Integration Results



Manual Integration Results

RT: 4.25
Area: 11304
Amount: 1.137822
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:24:12 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo

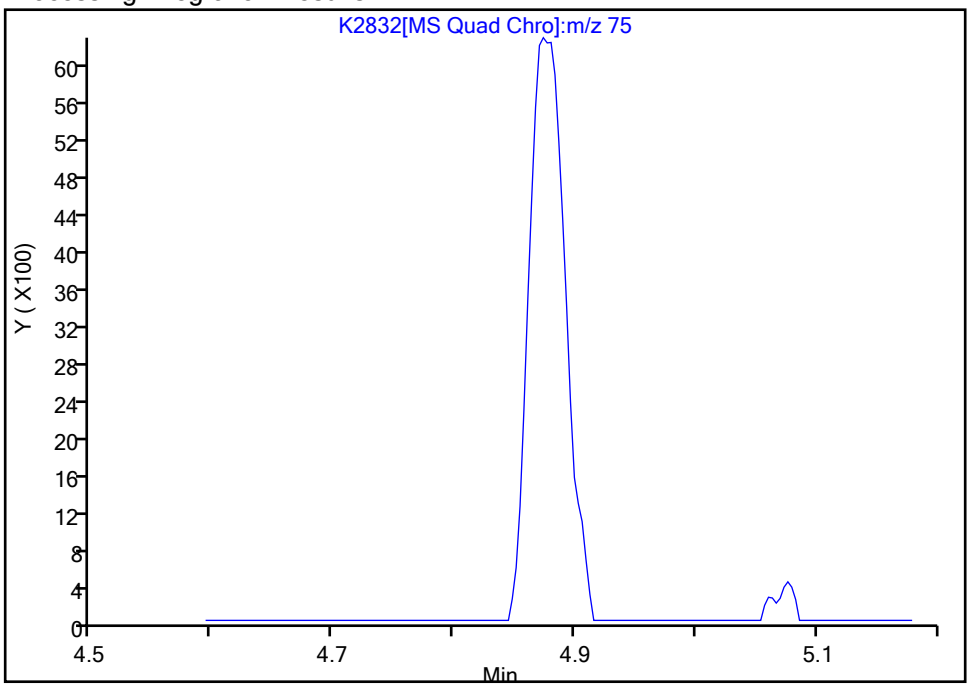
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2832.D
Injection Date: 12-Mar-2024 20:19:43 Instrument ID: HP5977K
Lims ID: IC
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

54 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

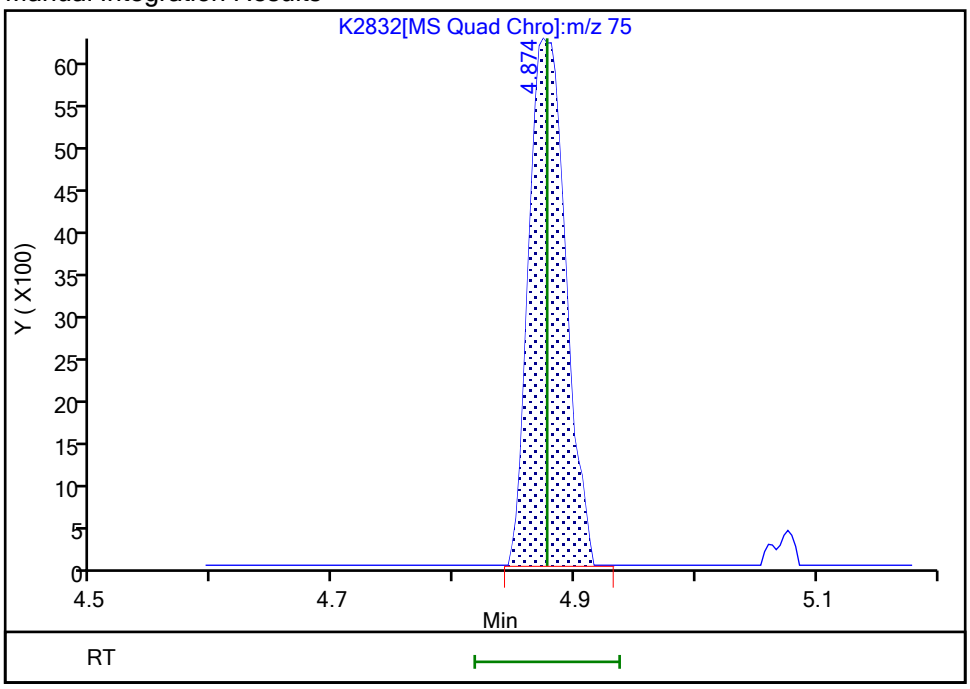
Not Detected
Expected RT: 4.88

Processing Integration Results



Manual Integration Results

RT: 4.87
Area: 13234
Amount: 1.094948
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:24:22 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2833.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 12-Mar-2024 20:42:10 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0116718-009
Operator ID: cdc Instrument ID: HP5977K
Sublist: chrom-K-8260 WATER*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2024 10:59:41 Calib Date: 13-Mar-2024 02:41:36
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2849.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: WLL8 Date: 13-Mar-2024 10:26:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.343	5.343	0.000	98	162295	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.330	8.327	0.003	87	641424	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	97	328444	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.745	4.739	0.006	93	222081	25.0	24.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.047	5.044	0.003	96	264390	25.0	25.6	
$ 6 Toluene-d8 (Surr)	98	6.857	6.854	0.003	94	804877	25.0	24.9	
$ 7 4-Bromofluorobenzene (Surr)	174	9.581	9.578	0.003	87	247322	25.0	25.2	
11 Dichlorodifluoromethane	85	1.179	1.166	0.013	98	27722	2.00	1.84	
13 Chloromethane	50	1.346	1.337	0.009	98	23886	2.00	1.79	
14 Vinyl chloride	62	1.443	1.427	0.016	97	20289	2.00	1.81	
151 Butadiene	54	1.465	1.453	0.012	88	23082	2.00	1.82	
15 Bromomethane	94	1.755	1.736	0.019	88	11278	2.00	2.01	
16 Chloroethane	64	1.835	1.816	0.019	94	10649	2.00	1.91	
18 Dichlorofluoromethane	67	2.057	2.041	0.016	96	38592	2.00	1.88	
17 Trichlorofluoromethane	101	2.063	2.060	0.003	66	33067	2.00	1.88	
19 Ethyl ether	59	2.356	2.346	0.010	98	18793	2.00	1.80	
21 Acrolein	56	2.507	2.498	0.009	0	4699	10.0	9.71	M
22 1,1-Dichloroethene	96	2.575	2.555	0.020	94	15853	2.00	1.87	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.584	2.565	0.019	0	16708	2.00	1.79	M
23 Acetone	43	2.668	2.652	0.016	100	41126	10.0	8.59	
24 Iodomethane	142	2.716	2.707	0.009	97	25747	2.00	1.75	M
25 Carbon disulfide	76	2.764	2.755	0.009	99	45890	2.00	1.89	
27 3-Chloro-1-propene	41	2.932	2.925	0.007	92	30285	2.00	1.72	
28 Methyl acetate	43	2.983	2.967	0.016	99	39756	4.00	3.51	
30 Methylene Chloride	84	3.067	3.060	0.007	91	18191	2.00	1.82	
31 2-Methyl-2-propanol	59	3.250	3.231	0.019	98	41125	20.0	18.8	M
33 Methyl tert-butyl ether	73	3.314	3.305	0.009	98	57119	2.00	1.94	
32 trans-1,2-Dichloroethene	96	3.317	3.308	0.009	78	17389	2.00	1.81	
34 Acrylonitrile	53	3.333	3.318	0.015	100	140069	20.0	19.4	M
35 Hexane	57	3.549	3.539	0.010	87	34235	2.00	2.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.726	3.719	0.007	97	36561	2.00	1.80	
39 Vinyl acetate	43	3.787	3.777	0.010	97	78024	4.00	3.79	
42 2,2-Dichloropropane	77	4.256	4.250	0.006	87	18955	2.00	1.74	
43 cis-1,2-Dichloroethene	96	4.279	4.276	0.003	85	17936	2.00	1.74	
44 2-Butanone (MEK)	43	4.314	4.298	0.016	98	62507	10.0	9.19	
47 Chlorobromomethane	128	4.510	4.504	0.006	96	9870	2.00	1.98	
48 Tetrahydrofuran	42	4.559	4.543	0.015	91	18966	4.00	3.73	
50 Chloroform	83	4.594	4.588	0.006	94	33779	2.00	1.85	
51 1,1,1-Trichloroethane	97	4.729	4.723	0.006	95	27958	2.00	1.74	
52 Cyclohexane	56	4.755	4.752	0.003	88	43368	2.00	1.82	
53 Carbon tetrachloride	117	4.870	4.871	-0.001	0	26334	2.00	1.80	M
54 1,1-Dichloropropene	75	4.880	4.877	0.003	92	24785	2.00	1.87	
56 Isobutyl alcohol	43	5.079	5.070	0.009	71	41124	50.0	46.6	M
55 Benzene	78	5.076	5.073	0.003	97	68291	2.00	1.87	
57 1,2-Dichloroethane	62	5.121	5.118	0.003	97	28464	2.00	1.84	
59 n-Heptane	43	5.298	5.295	0.003	93	25192	2.00	1.94	
60 Trichloroethene	95	5.690	5.687	0.003	95	18126	2.00	1.85	
62 Methylcyclohexane	83	5.835	5.835	0.000	95	30099	2.00	1.77	
63 1,2-Dichloropropane	63	5.912	5.909	0.003	96	19597	2.00	1.97	
65 Dibromomethane	93	6.044	6.038	0.006	94	11187	2.00	2.02	
66 1,4-Dioxane	88	6.063	6.057	0.006	87	4845	40.0	34.5	
67 Dichlorobromomethane	83	6.202	6.195	0.007	97	21240	2.00	1.85	
69 2-Chloroethyl vinyl ether	63	6.481	6.478	0.003	93	12357	2.00	1.92	
71 cis-1,3-Dichloropropene	75	6.620	6.620	0.000	94	25637	2.00	2.03	
72 4-Methyl-2-pentanone (MIBK)	43	6.764	6.761	0.003	95	137130	10.0	9.49	
73 Toluene	92	6.922	6.922	0.000	98	42518	2.00	1.89	
75 trans-1,3-Dichloropropene	75	7.179	7.176	0.003	94	21612	2.00	1.94	
77 Ethyl methacrylate	69	7.250	7.247	0.003	94	18780	2.00	1.82	
78 1,1,2-Trichloroethane	83	7.366	7.362	0.004	95	12142	2.00	1.94	
79 Tetrachloroethene	166	7.468	7.465	0.003	96	18472	2.00	1.85	
80 1,3-Dichloropropane	76	7.526	7.526	0.000	94	24682	2.00	1.90	
81 2-Hexanone	43	7.603	7.597	0.006	94	89650	10.0	9.48	
82 Chlorodibromomethane	129	7.761	7.761	0.000	92	14412	2.00	1.75	
83 Ethylene Dibromide	107	7.867	7.864	0.003	98	15296	2.00	1.89	
86 Chlorobenzene	112	8.356	8.359	-0.003	95	44472	2.00	1.85	
89 1,1,1,2-Tetrachloroethane	131	8.452	8.452	0.000	88	16470	2.00	1.83	
88 Ethylbenzene	91	8.462	8.459	0.003	98	77945	2.00	1.83	
90 m-Xylene & p-Xylene	106	8.584	8.584	0.000	97	28915	2.00	1.81	
91 o-Xylene	106	9.005	9.005	0.000	97	28177	2.00	1.71	
92 Styrene	104	9.031	9.028	0.003	95	42197	2.00	1.78	
93 Bromoform	173	9.253	9.253	0.000	89	8688	2.00	1.63	
95 Isopropylbenzene	105	9.398	9.395	0.003	96	76713	2.00	1.77	
97 Bromobenzene	156	9.732	9.729	0.003	97	17189	2.00	1.79	
98 1,1,2,2-Tetrachloroethane	83	9.764	9.764	0.000	95	22768	2.00	1.95	
100 1,2,3-Trichloropropane	110	9.800	9.793	0.007	87	8306	2.00	1.90	
101 trans-1,4-Dichloro-2-butene	53	9.816	9.813	0.003	81	7142	2.00	1.76	
99 N-Propylbenzene	91	9.828	9.825	0.003	99	90957	2.00	1.87	
105 2-Chlorotoluene	126	9.922	9.922	0.000	95	17357	2.00	1.75	
104 1,3,5-Trimethylbenzene	105	10.009	10.005	0.004	94	62904	2.00	1.78	
102 4-Chlorotoluene	91	10.034	10.031	0.003	98	62325	2.00	1.95	
106 tert-Butylbenzene	134	10.324	10.324	0.000	93	13676	2.00	1.78	
107 1,2,4-Trimethylbenzene	105	10.375	10.378	-0.003	98	64785	2.00	1.78	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.536	10.536	0.000	95	77762	2.00	1.76	
110 1,3-Dichlorobenzene	146	10.658	10.658	0.000	97	33850	2.00	1.86	
111 4-Isopropyltoluene	119	10.677	10.677	0.000	97	67898	2.00	1.78	
113 1,4-Dichlorobenzene	146	10.745	10.745	0.000	94	35771	2.00	1.96	
115 n-Butylbenzene	91	11.063	11.060	0.003	98	57424	2.00	1.79	
116 1,2-Dichlorobenzene	146	11.092	11.092	0.000	96	34382	2.00	1.85	
117 1,2-Dibromo-3-Chloropropane	75	11.809	11.806	0.003	75	6353	2.00	2.06	
119 1,2,4-Trichlorobenzene	180	12.500	12.501	-0.001	93	20993	2.00	1.70	
120 Hexachlorobutadiene	225	12.626	12.629	-0.003	95	9018	2.00	1.77	
121 Naphthalene	128	12.706	12.706	0.000	97	76902	2.00	1.77	
122 1,2,3-Trichlorobenzene	180	12.909	12.912	-0.003	95	22713	2.00	1.81	
S 123 1,3-Dichloropropene, Total	1				0			3.96	
S 126 Xylenes, Total	1				0			3.52	
S 124 1,2-Dichloroethene, Total	1				0			3.55	
S 125 Total BTEX	1				0			9.10	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00611	Amount Added:	2.00	Units: uL	
8260 CORP mix_00251	Amount Added:	2.00	Units: uL	
K WATER IS/SS_00012	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 13-Mar-2024 10:59:42 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2833.D

Injection Date:	12-Mar-2024 20:42:10	Instrument ID:	HP5977K	Operator ID:	cdc
Lims ID:	IC 2			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)

Manual Integration/User Assign Peak Report

Eurofins Buffalo

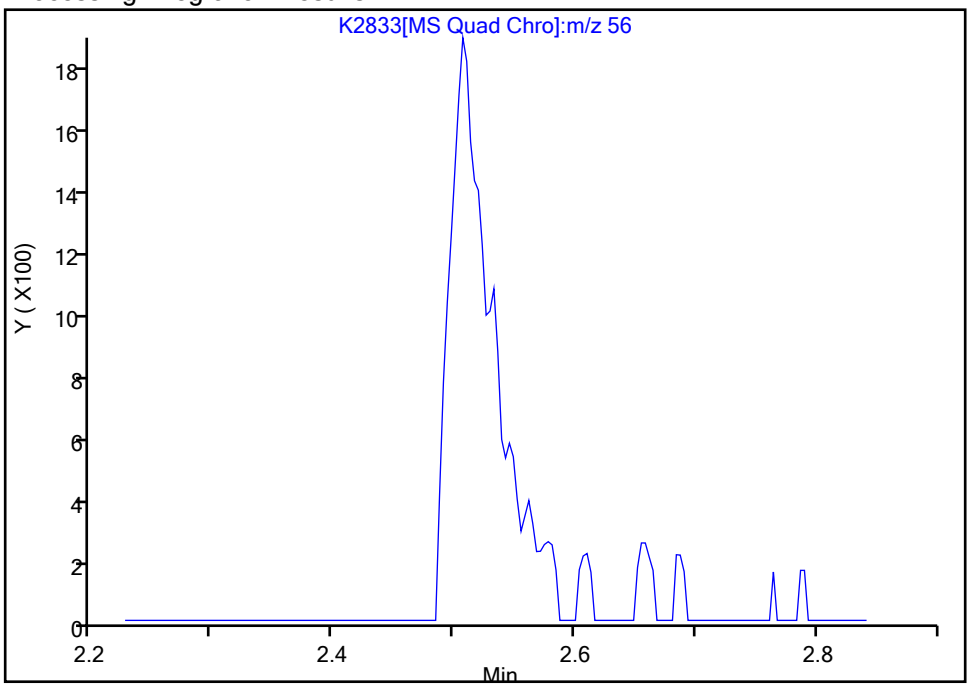
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2833.D
Injection Date: 12-Mar-2024 20:42:10 Instrument ID: HP5977K
Lims ID: IC 2
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 Acrolein, CAS: 107-02-8

Signal: 1

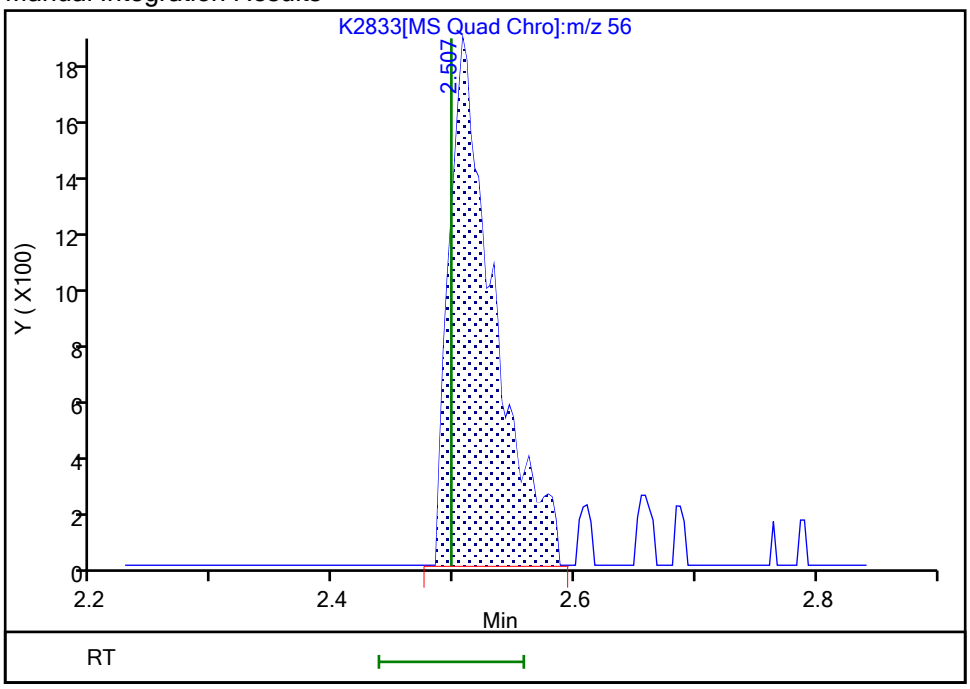
Not Detected
Expected RT: 2.50

Processing Integration Results



Manual Integration Results

RT: 2.51
Area: 4699
Amount: 9.706103
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:25:12 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

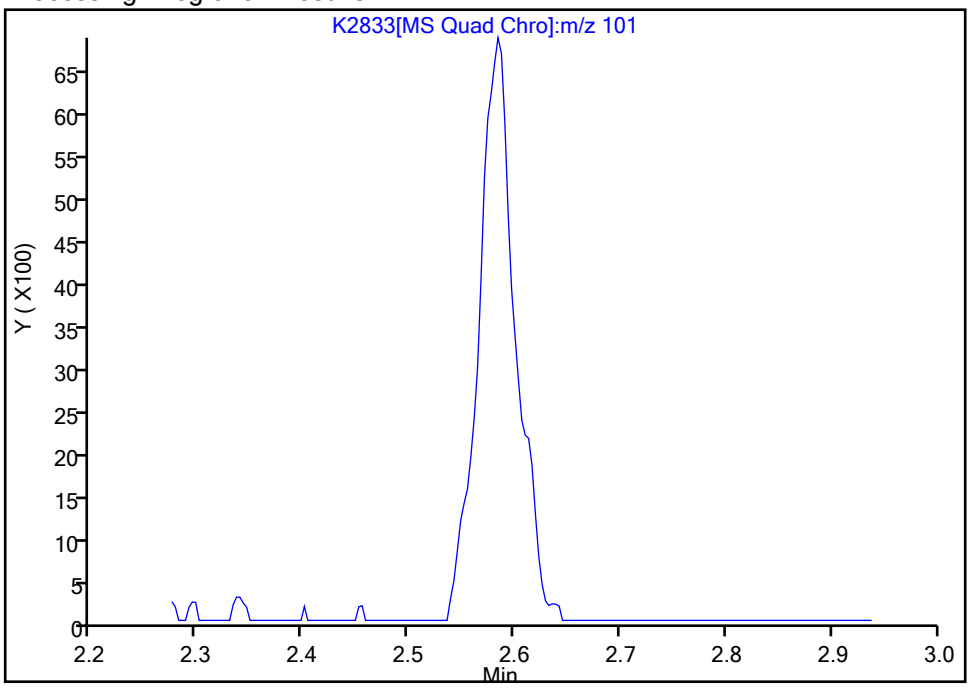
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2833.D
Injection Date: 12-Mar-2024 20:42:10 Instrument ID: HP5977K
Lims ID: IC 2
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

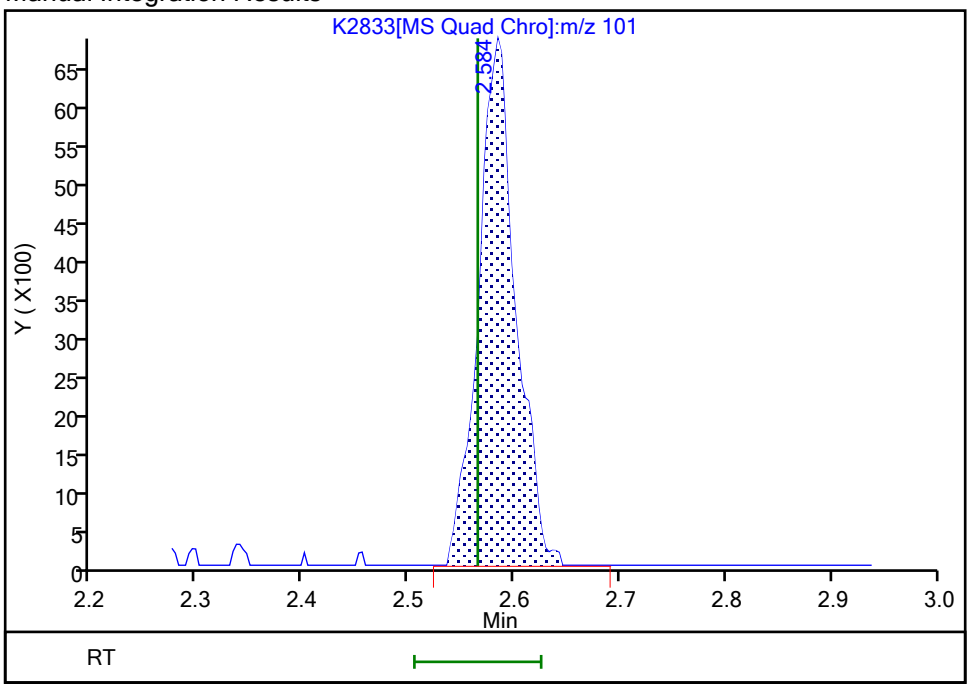
Not Detected
Expected RT: 2.57

Processing Integration Results



Manual Integration Results

RT: 2.58
Area: 16708
Amount: 1.791992
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:25:16 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

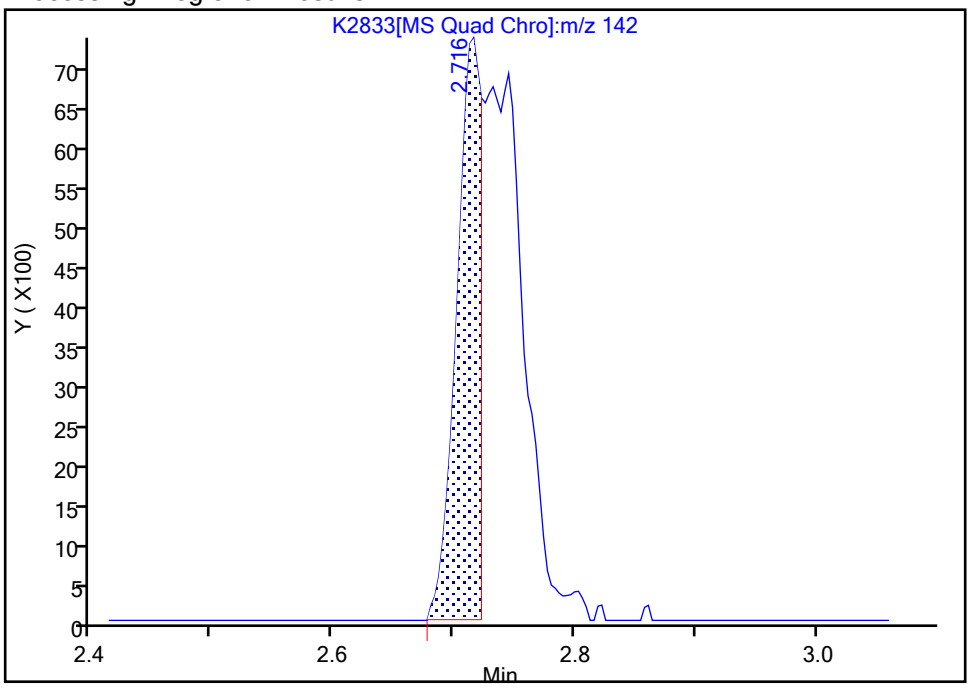
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2833.D
Injection Date: 12-Mar-2024 20:42:10 Instrument ID: HP5977K
Lims ID: IC 2
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

24 Iodomethane, CAS: 74-88-4

Signal: 1

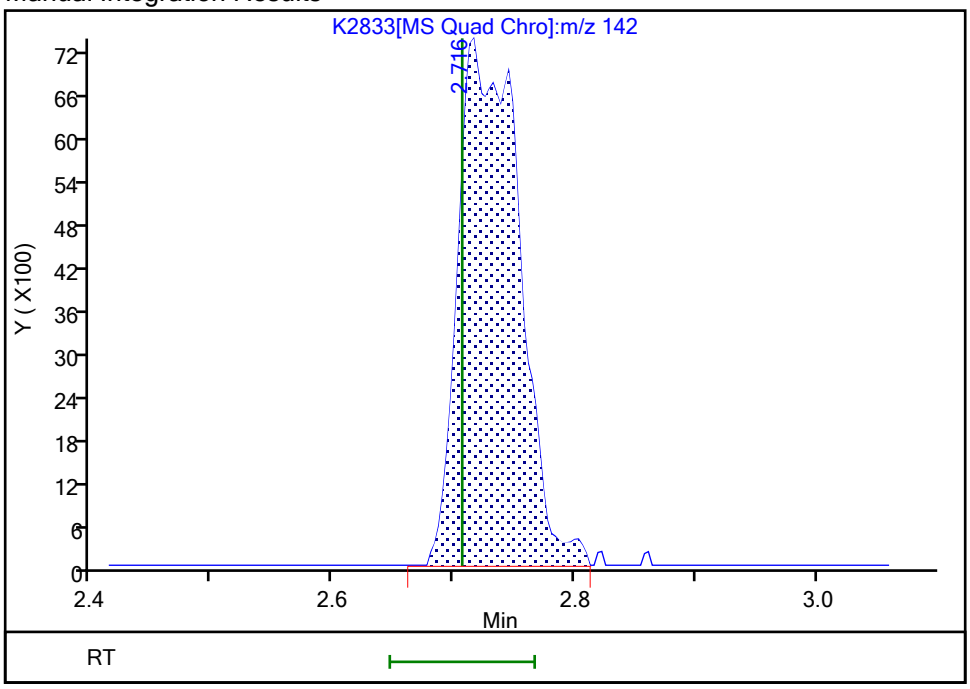
Processing Integration Results

RT: 2.72
Area: 10300
Amount: 0.797012
Amount Units: ug/L



Manual Integration Results

RT: 2.72
Area: 25747
Amount: 1.753119
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:25:25 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

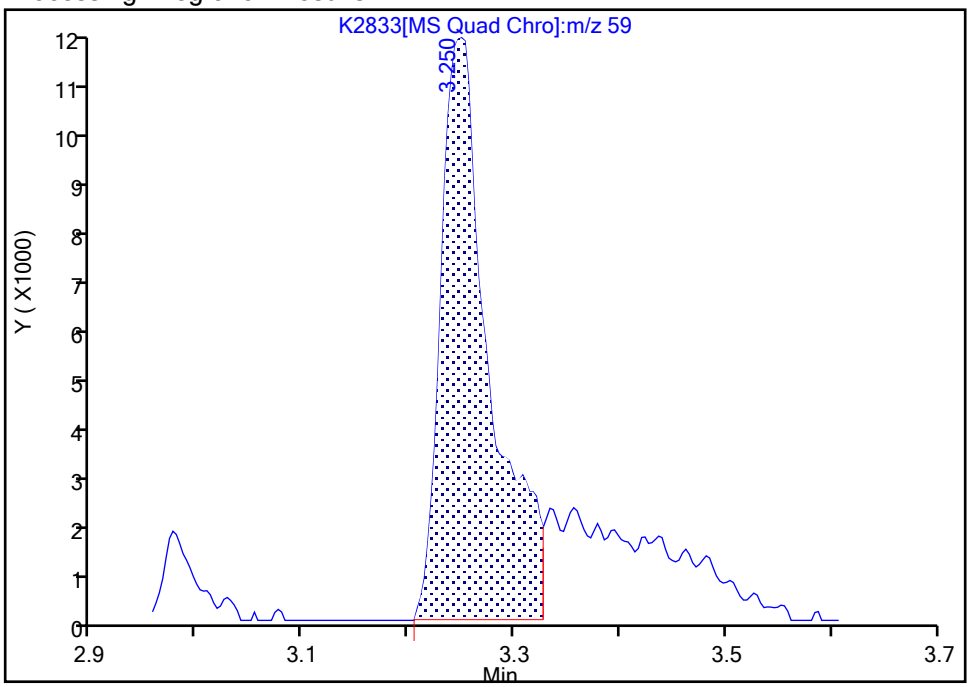
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2833.D
Injection Date: 12-Mar-2024 20:42:10 Instrument ID: HP5977K
Lims ID: IC 2
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

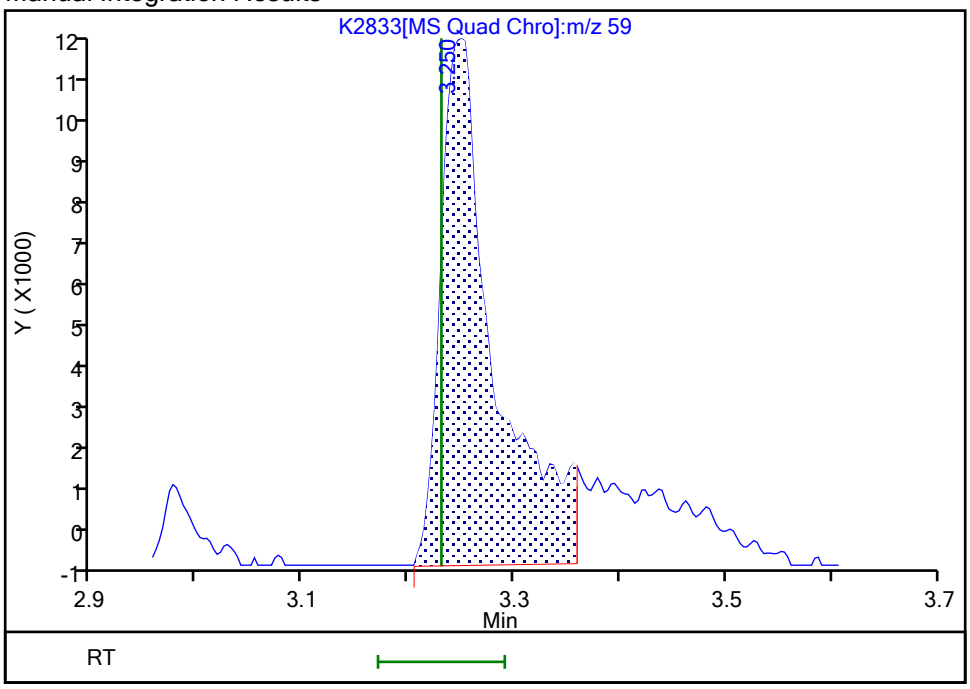
Processing Integration Results

RT: 3.25
Area: 37330
Amount: 17.510878
Amount Units: ug/L



Manual Integration Results

RT: 3.25
Area: 41125
Amount: 18.804344
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:25:57 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

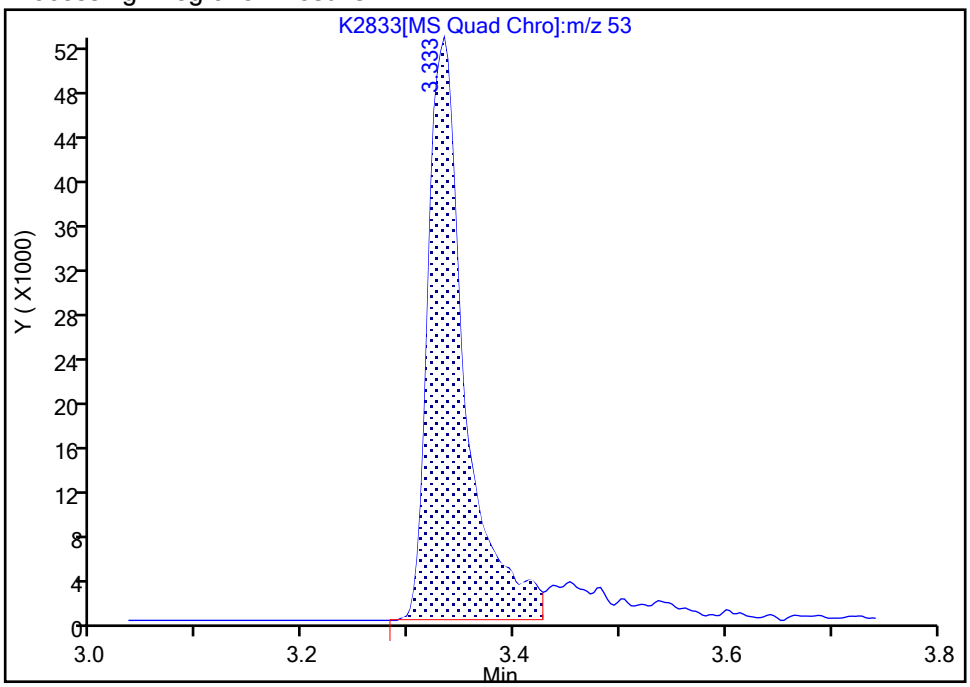
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2833.D
Injection Date: 12-Mar-2024 20:42:10 Instrument ID: HP5977K
Lims ID: IC 2
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

34 Acrylonitrile, CAS: 107-13-1

Signal: 1

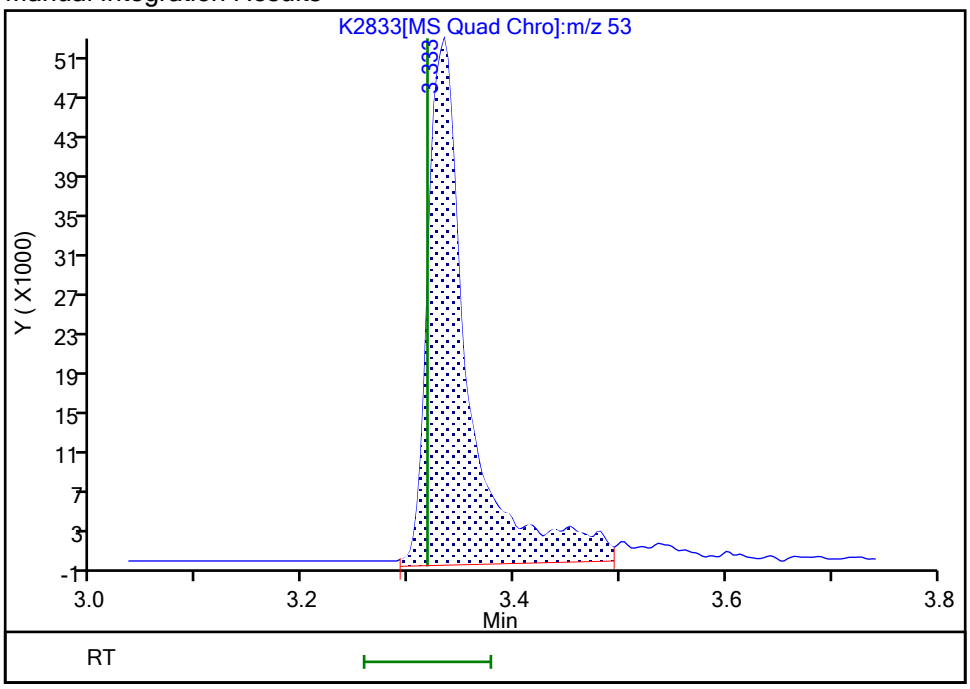
Processing Integration Results

RT: 3.33
Area: 126517
Amount: 17.689670
Amount Units: ug/L



Manual Integration Results

RT: 3.33
Area: 140069
Amount: 19.355297
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:26:10 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

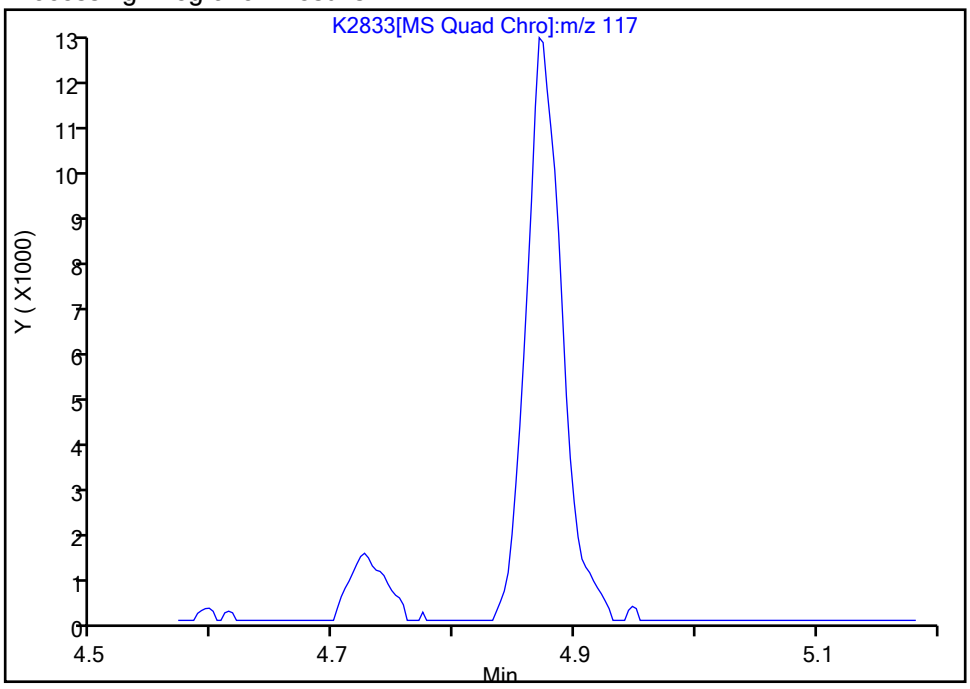
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2833.D
Injection Date: 12-Mar-2024 20:42:10 Instrument ID: HP5977K
Lims ID: IC 2
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

53 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

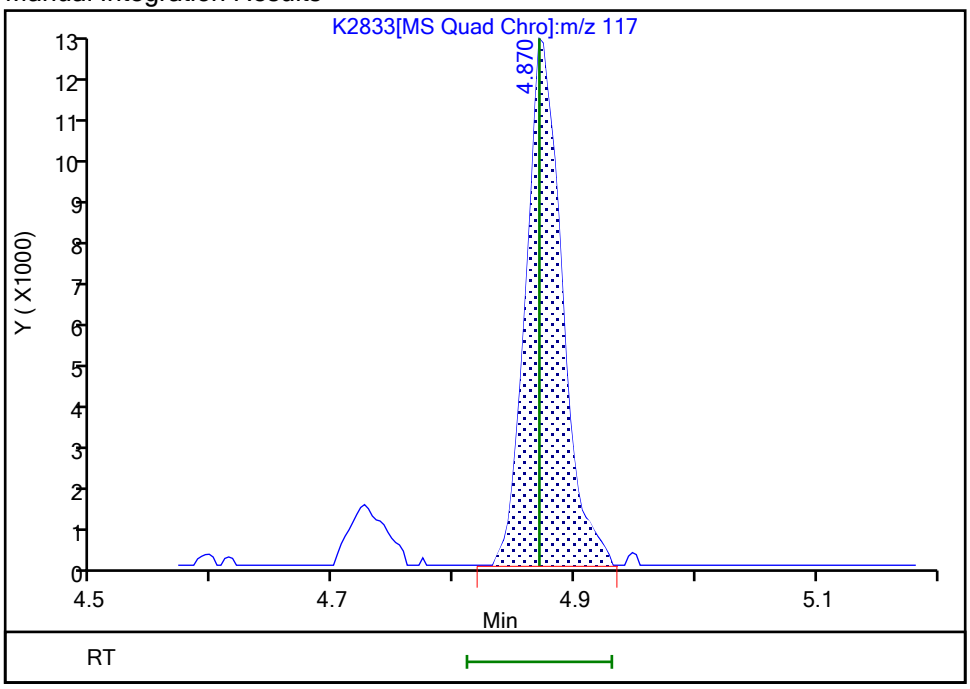
Not Detected
Expected RT: 4.87

Processing Integration Results



Manual Integration Results

RT: 4.87
Area: 26334
Amount: 1.796628
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:26:23 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

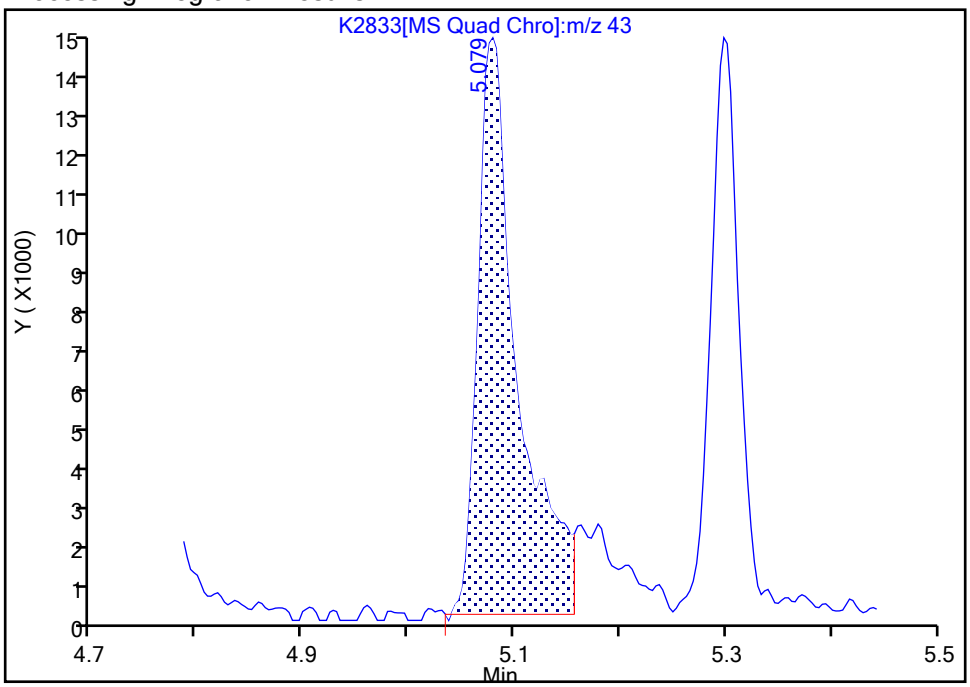
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2833.D
Injection Date: 12-Mar-2024 20:42:10 Instrument ID: HP5977K
Lims ID: IC 2
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

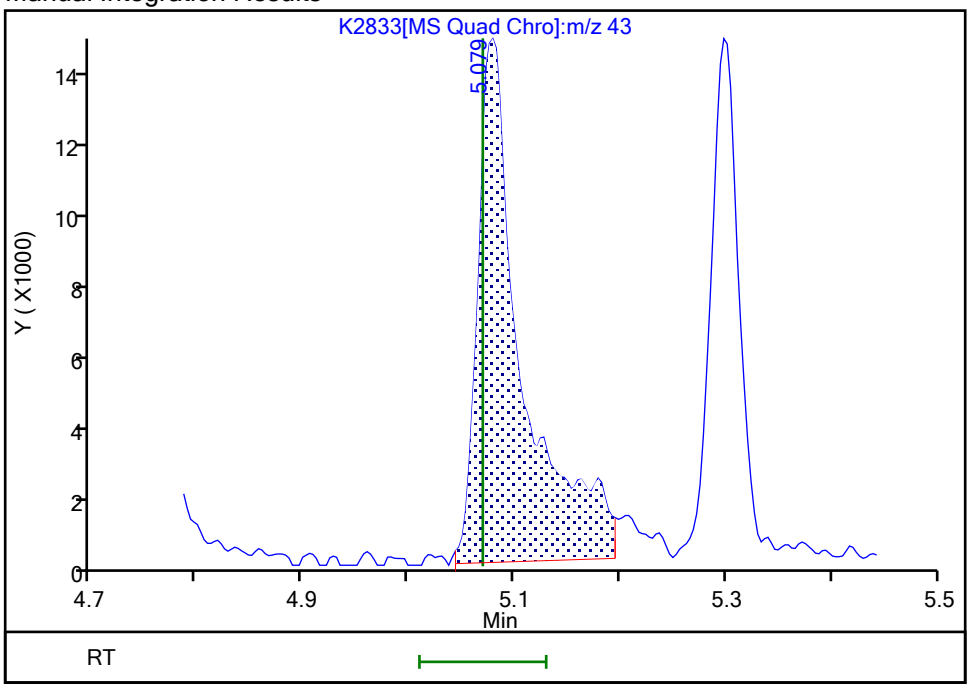
Processing Integration Results

RT: 5.08
Area: 36563
Amount: 43.151923
Amount Units: ug/L



Manual Integration Results

RT: 5.08
Area: 41124
Amount: 46.590380
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:26:34 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2834.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 12-Mar-2024 21:04:37 ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0116718-010
Operator ID: cdc Instrument ID: HP5977K
Sublist: chrom-K-8260 WATER*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2024 10:59:54 Calib Date: 13-Mar-2024 02:41:36
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2849.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: WLL8 Date: 13-Mar-2024 10:28:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.343	5.343	0.000	98	157912	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.330	8.327	0.003	87	605486	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	97	316337	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.745	4.739	0.006	94	217689	25.0	24.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.047	5.044	0.003	97	244763	25.0	24.4	
$ 6 Toluene-d8 (Surr)	98	6.857	6.854	0.003	94	762300	25.0	25.0	
$ 7 4-Bromofluorobenzene (Surr)	174	9.581	9.578	0.003	87	227316	25.0	24.6	
11 Dichlorodifluoromethane	85	1.179	1.166	0.013	99	75633	5.00	5.16	
13 Chloromethane	50	1.346	1.337	0.009	98	63359	5.00	4.89	
14 Vinyl chloride	62	1.439	1.427	0.012	98	52155	5.00	4.79	
151 Butadiene	54	1.465	1.453	0.012	83	60342	5.00	4.90	
15 Bromomethane	94	1.751	1.736	0.015	94	26971	5.00	4.94	
16 Chloroethane	64	1.835	1.816	0.019	97	25513	5.00	4.69	
18 Dichlorofluoromethane	67	2.053	2.041	0.012	95	94566	5.00	4.72	
17 Trichlorofluoromethane	101	2.076	2.060	0.016	91	83952	5.00	4.90	
19 Ethyl ether	59	2.356	2.346	0.010	92	50147	5.00	4.94	
21 Acrolein	56	2.510	2.498	0.012	98	10373	25.0	22.0	
22 1,1-Dichloroethene	96	2.568	2.555	0.013	93	40009	5.00	4.86	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.581	2.565	0.016	84	44174	5.00	4.87	
23 Acetone	43	2.668	2.652	0.016	100	99701	25.0	21.4	
24 Iodomethane	142	2.719	2.707	0.012	98	69924	5.00	4.89	M
25 Carbon disulfide	76	2.764	2.755	0.009	100	116557	5.00	4.93	
27 3-Chloro-1-propene	41	2.931	2.925	0.006	94	84579	5.00	4.94	
28 Methyl acetate	43	2.979	2.967	0.012	99	100305	10.0	9.11	
30 Methylene Chloride	84	3.070	3.060	0.010	97	44578	5.00	4.81	
31 2-Methyl-2-propanol	59	3.240	3.231	0.009	98	102745	50.0	48.3	M
33 Methyl tert-butyl ether	73	3.314	3.305	0.009	96	137105	5.00	4.78	
32 trans-1,2-Dichloroethene	96	3.317	3.308	0.009	87	47136	5.00	5.03	
34 Acrylonitrile	53	3.330	3.318	0.012	100	329042	50.0	46.7	
35 Hexane	57	3.545	3.539	0.006	87	85271	5.00	5.13	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.725	3.719	0.006	97	96200	5.00	4.86	
39 Vinyl acetate	43	3.783	3.777	0.006	97	186843	10.0	9.32	
42 2,2-Dichloropropane	77	4.253	4.250	0.003	91	49147	5.00	4.64	
43 cis-1,2-Dichloroethene	96	4.282	4.276	0.006	85	48740	5.00	4.87	
44 2-Butanone (MEK)	43	4.307	4.298	0.009	99	158550	25.0	23.9	
47 Chlorobromomethane	128	4.510	4.504	0.006	95	24562	5.00	5.07	
48 Tetrahydrofuran	42	4.552	4.543	0.009	93	47166	10.0	9.54	
50 Chloroform	83	4.594	4.588	0.006	94	83480	5.00	4.69	
51 1,1,1-Trichloroethane	97	4.725	4.723	0.002	93	75714	5.00	4.85	
52 Cyclohexane	56	4.758	4.752	0.006	89	113298	5.00	4.88	
53 Carbon tetrachloride	117	4.873	4.871	0.002	95	67409	5.00	4.73	
54 1,1-Dichloropropene	75	4.880	4.877	0.003	94	60610	5.00	4.71	
56 Isobutyl alcohol	43	5.076	5.070	0.006	60	96563	125.0	112.4	
55 Benzene	78	5.076	5.073	0.003	97	171906	5.00	4.84	
57 1,2-Dichloroethane	62	5.121	5.118	0.003	97	73431	5.00	4.89	
59 n-Heptane	43	5.298	5.295	0.003	95	65416	5.00	5.17	
60 Trichloroethene	95	5.690	5.687	0.003	95	47074	5.00	4.94	
62 Methylcyclohexane	83	5.838	5.835	0.003	94	79425	5.00	4.79	
63 1,2-Dichloropropane	63	5.912	5.909	0.003	96	49048	5.00	5.06	
65 Dibromomethane	93	6.040	6.038	0.002	94	25962	5.00	4.81	
66 1,4-Dioxane	88	6.066	6.057	0.009	86	11999	100.0	90.6	
67 Dichlorobromomethane	83	6.198	6.195	0.003	98	53181	5.00	4.77	
69 2-Chloroethyl vinyl ether	63	6.481	6.478	0.003	93	30032	5.00	4.79	
71 cis-1,3-Dichloropropene	75	6.619	6.620	-0.001	94	58207	5.00	4.73	
72 4-Methyl-2-pentanone (MIBK)	43	6.764	6.761	0.003	95	342593	25.0	25.1	
73 Toluene	92	6.921	6.922	-0.001	99	105101	5.00	4.95	
75 trans-1,3-Dichloropropene	75	7.182	7.176	0.006	94	50772	5.00	4.82	
77 Ethyl methacrylate	69	7.246	7.247	-0.001	90	48336	5.00	4.95	
78 1,1,2-Trichloroethane	83	7.365	7.362	0.003	94	30415	5.00	5.16	
79 Tetrachloroethene	166	7.468	7.465	0.003	94	45812	5.00	4.87	
80 1,3-Dichloropropane	76	7.526	7.526	0.000	94	59433	5.00	4.83	
81 2-Hexanone	43	7.600	7.597	0.003	94	237612	25.0	26.6	
82 Chlorodibromomethane	129	7.761	7.761	0.000	92	36368	5.00	4.67	
83 Ethylene Dibromide	107	7.867	7.864	0.003	100	37562	5.00	4.91	
86 Chlorobenzene	112	8.359	8.359	0.000	94	107643	5.00	4.76	
89 1,1,1,2-Tetrachloroethane	131	8.452	8.452	0.000	93	39214	5.00	4.61	
88 Ethylbenzene	91	8.462	8.459	0.003	99	200570	5.00	4.98	
90 m-Xylene & p-Xylene	106	8.584	8.584	0.000	97	73811	5.00	4.89	
91 o-Xylene	106	9.005	9.005	0.000	97	74406	5.00	4.78	
92 Styrene	104	9.028	9.028	0.000	95	111097	5.00	4.96	
93 Bromoform	173	9.256	9.253	0.003	96	23760	5.00	4.71	
95 Isopropylbenzene	105	9.397	9.395	0.002	96	201252	5.00	4.83	
97 Bromobenzene	156	9.729	9.729	-0.001	96	44898	5.00	4.86	
98 1,1,2,2-Tetrachloroethane	83	9.764	9.764	0.000	94	54952	5.00	4.88	
100 1,2,3-Trichloropropane	110	9.796	9.793	0.003	88	19470	5.00	4.62	
101 trans-1,4-Dichloro-2-butene	53	9.815	9.813	0.002	87	18502	5.00	4.72	
99 N-Propylbenzene	91	9.825	9.825	0.000	98	229225	5.00	4.90	
105 2-Chlorotoluene	126	9.921	9.922	-0.001	96	46190	5.00	4.83	
104 1,3,5-Trimethylbenzene	105	10.005	10.005	0.000	94	167073	5.00	4.90	
102 4-Chlorotoluene	91	10.031	10.031	0.000	99	152644	5.00	4.95	
106 tert-Butylbenzene	134	10.323	10.324	-0.001	94	33975	5.00	4.60	
107 1,2,4-Trimethylbenzene	105	10.378	10.378	0.000	97	170246	5.00	4.85	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.536	10.536	0.000	95	210547	5.00	4.95	
110 1,3-Dichlorobenzene	146	10.658	10.658	0.000	97	87755	5.00	4.99	
111 4-Isopropyltoluene	119	10.677	10.677	0.000	97	179504	5.00	4.89	
113 1,4-Dichlorobenzene	146	10.745	10.745	0.000	95	85616	5.00	4.88	
115 n-Butylbenzene	91	11.060	11.060	0.000	98	153161	5.00	4.95	
116 1,2-Dichlorobenzene	146	11.092	11.092	0.000	94	86292	5.00	4.82	
117 1,2-Dibromo-3-Chloropropane	75	11.809	11.806	0.003	79	13309	5.00	4.47	
119 1,2,4-Trichlorobenzene	180	12.500	12.501	-0.001	94	57613	5.00	4.83	
120 Hexachlorobutadiene	225	12.629	12.629	0.000	96	24291	5.00	4.96	
121 Naphthalene	128	12.706	12.706	0.000	97	193084	5.00	4.61	
122 1,2,3-Trichlorobenzene	180	12.912	12.912	0.000	97	59293	5.00	4.91	
S 123 1,3-Dichloropropene, Total	1				0			9.55	
S 126 Xylenes, Total	1				0			9.67	
S 124 1,2-Dichloroethene, Total	1				0			9.90	
S 125 Total BTEX	1				0			24.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00611	Amount Added:	5.00	Units: uL	
8260 CORP mix_00251	Amount Added:	5.00	Units: uL	
K WATER IS/SS_00012	Amount Added:	5.00	Units: uL	Run Reagent

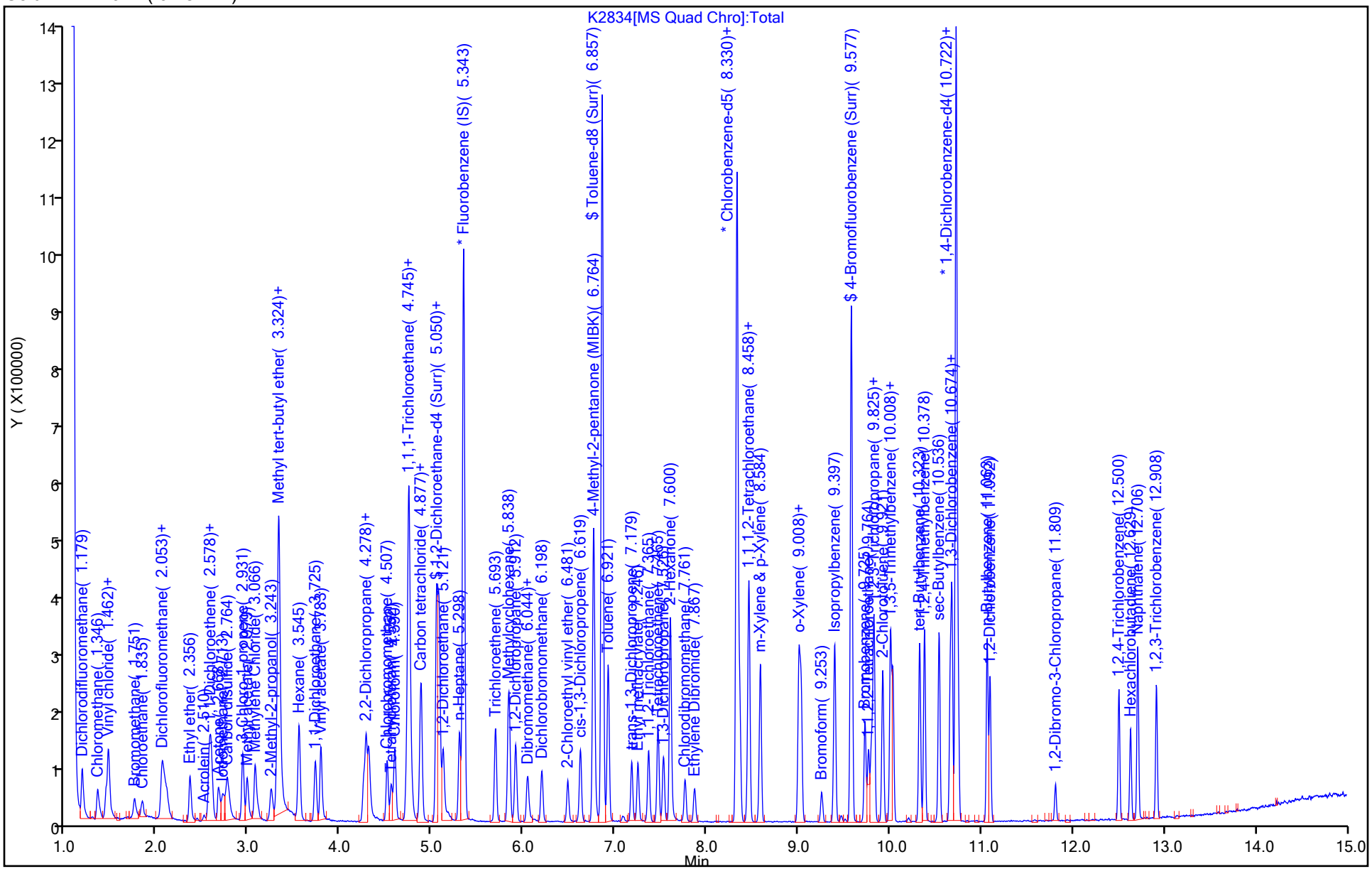
Report Date: 13-Mar-2024 10:59:54 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2834.D

Injection Date:	12-Mar-2024 21:04:37	Instrument ID:	HP5977K	Operator ID:	cdc
Lims ID:	IC 3			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

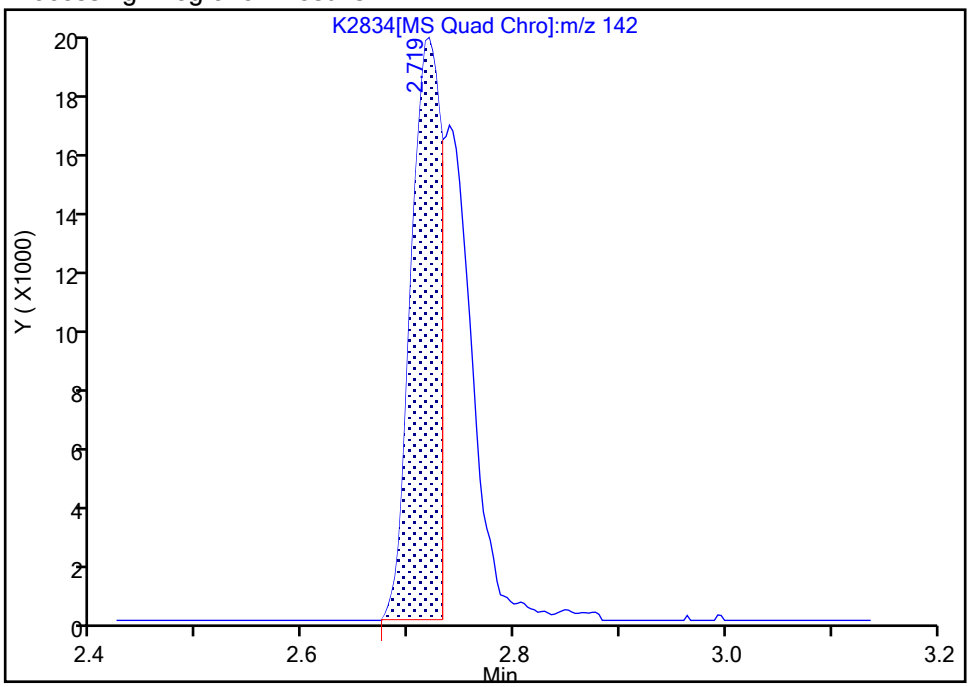
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2834.D
Injection Date: 12-Mar-2024 21:04:37 Instrument ID: HP5977K
Lims ID: IC 3
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

24 Iodomethane, CAS: 74-88-4

Signal: 1

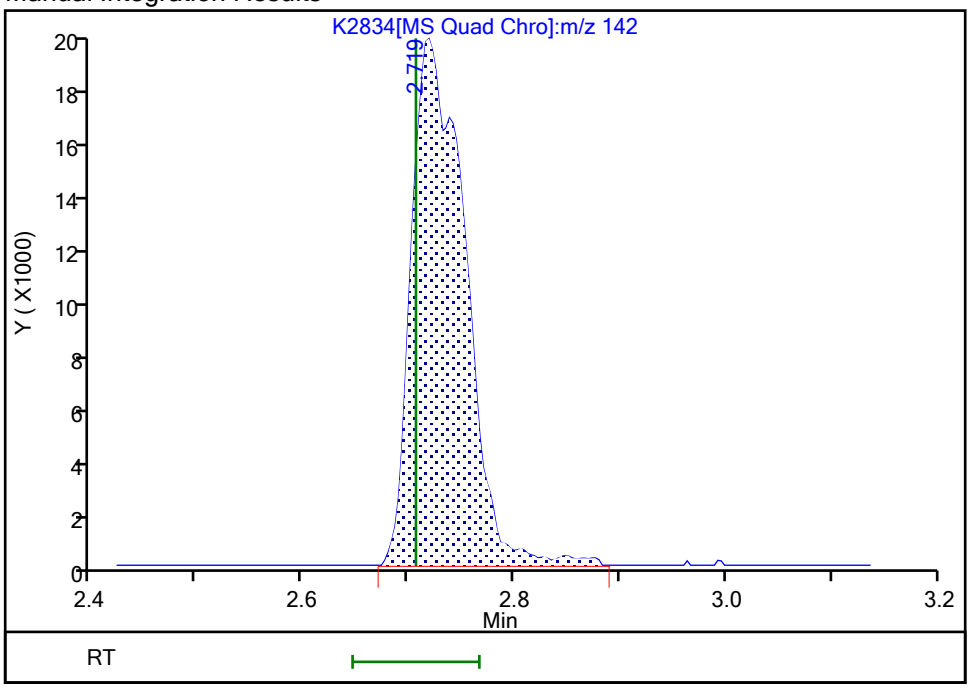
Processing Integration Results

RT: 2.72
Area: 38878
Amount: 2.876949
Amount Units: ug/L



Manual Integration Results

RT: 2.72
Area: 69924
Amount: 4.893290
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:27:27 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

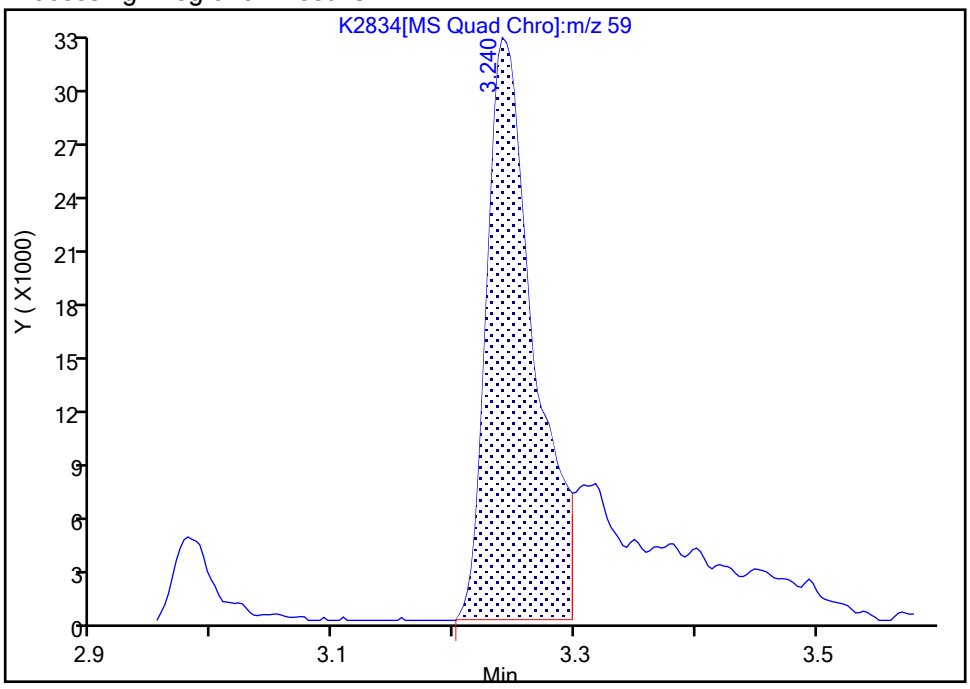
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2834.D
Injection Date: 12-Mar-2024 21:04:37 Instrument ID: HP5977K
Lims ID: IC 3
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

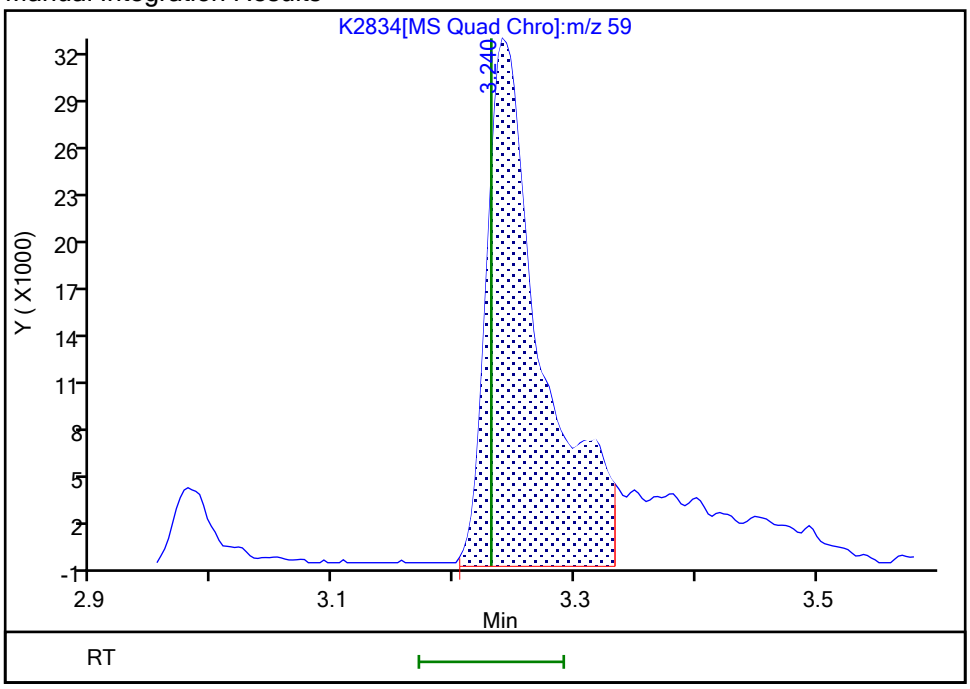
Processing Integration Results

RT: 3.24
Area: 87370
Amount: 41.657861
Amount Units: ug/L



Manual Integration Results

RT: 3.24
Area: 102745
Amount: 48.283972
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:27:40 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2835.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 12-Mar-2024 21:27:08 ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0116718-011
Operator ID: cdc Instrument ID: HP5977K
Sublist: chrom-K-8260 WATER*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2024 11:00:05 Calib Date: 13-Mar-2024 02:41:36
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2849.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: WLL8 Date: 13-Mar-2024 10:29:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.343	5.343	0.000	98	143324	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.330	8.327	0.003	88	565465	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	296933	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.742	4.739	0.003	94	204365	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.047	5.044	0.003	97	234209	25.0	25.7	
$ 6 Toluene-d8 (Surr)	98	6.857	6.854	0.003	94	709475	25.0	24.9	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	87	218003	25.0	25.2	
11 Dichlorodifluoromethane	85	1.176	1.166	0.010	98	144150	10.0	10.8	
13 Chloromethane	50	1.343	1.337	0.006	98	123032	10.0	10.5	
14 Vinyl chloride	62	1.436	1.427	0.009	97	102051	10.0	10.3	
151 Butadiene	54	1.459	1.453	0.006	87	117735	10.0	10.5	
15 Bromomethane	94	1.748	1.736	0.012	94	50394	10.0	10.2	
16 Chloroethane	64	1.832	1.816	0.016	98	52159	10.0	10.6	
18 Dichlorofluoromethane	67	2.051	2.041	0.010	96	188419	10.0	10.4	
17 Trichlorofluoromethane	101	2.073	2.060	0.013	98	168526	10.0	10.8	
19 Ethyl ether	59	2.353	2.346	0.007	95	85690	10.0	9.29	
21 Acrolein	56	2.504	2.498	0.006	99	19736	50.0	46.2	
22 1,1-Dichloroethene	96	2.565	2.555	0.010	92	72853	10.0	9.75	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.578	2.565	0.013	94	85260	10.0	10.4	
23 Acetone	43	2.661	2.652	0.009	99	174522	50.0	41.3	
24 Iodomethane	142	2.713	2.707	0.006	98	123832	10.0	9.55	
25 Carbon disulfide	76	2.761	2.755	0.006	100	206035	10.0	9.59	
27 3-Chloro-1-propene	41	2.932	2.925	0.007	92	147726	10.0	9.50	
28 Methyl acetate	43	2.977	2.967	0.010	99	197154	20.0	19.7	
30 Methylene Chloride	84	3.067	3.060	0.007	98	84078	10.0	10.2	
31 2-Methyl-2-propanol	59	3.234	3.231	0.003	100	181616	100.0	94.0	M
33 Methyl tert-butyl ether	73	3.311	3.305	0.006	96	246783	10.0	9.48	
32 trans-1,2-Dichloroethene	96	3.311	3.308	0.003	89	84636	10.0	9.95	
34 Acrylonitrile	53	3.324	3.318	0.006	100	657363	100.0	102.9	
35 Hexane	57	3.546	3.539	0.007	90	146464	10.0	9.71	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.723	3.719	0.003	96	181460	10.0	10.1	
39 Vinyl acetate	43	3.780	3.777	0.003	97	357969	20.0	19.7	
42 2,2-Dichloropropane	77	4.253	4.250	0.003	88	93696	10.0	9.76	
43 cis-1,2-Dichloroethene	96	4.279	4.276	0.003	84	88997	10.0	9.79	
44 2-Butanone (MEK)	43	4.304	4.298	0.006	99	278865	50.0	46.4	
47 Chlorobromomethane	128	4.507	4.504	0.003	95	44186	10.0	10.0	
48 Tetrahydrofuran	42	4.546	4.543	0.003	93	81408	20.0	18.2	
50 Chloroform	83	4.591	4.588	0.003	94	153810	10.0	9.52	
51 1,1,1-Trichloroethane	97	4.726	4.723	0.003	97	140502	10.0	9.92	
52 Cyclohexane	56	4.755	4.752	0.003	88	211217	10.0	10.0	
53 Carbon tetrachloride	117	4.874	4.871	0.003	96	126002	10.0	9.73	
54 1,1-Dichloropropene	75	4.880	4.877	0.003	96	115728	10.0	9.91	
56 Isobutyl alcohol	43	5.073	5.070	0.003	83	192392	250.0	246.8	M
55 Benzene	78	5.073	5.073	0.000	97	310439	10.0	9.62	
57 1,2-Dichloroethane	62	5.118	5.118	0.000	96	124783	10.0	9.15	
59 n-Heptane	43	5.298	5.295	0.003	95	118831	10.0	10.3	
60 Trichloroethene	95	5.690	5.687	0.003	96	83187	10.0	9.61	
62 Methylcyclohexane	83	5.835	5.835	0.000	96	147754	10.0	9.82	
63 1,2-Dichloropropane	63	5.909	5.909	0.000	97	89272	10.0	10.1	
65 Dibromomethane	93	6.038	6.038	0.000	96	49894	10.0	10.2	
66 1,4-Dioxane	88	6.060	6.057	0.003	91	25050	200.0	202.6	
67 Dichlorobromomethane	83	6.198	6.195	0.003	98	97775	10.0	9.66	
69 2-Chloroethyl vinyl ether	63	6.481	6.478	0.003	92	55705	10.0	9.78	
71 cis-1,3-Dichloropropene	75	6.620	6.620	0.000	94	107563	10.0	9.63	
72 4-Methyl-2-pentanone (MIBK)	43	6.761	6.761	0.000	95	637950	50.0	50.1	
73 Toluene	92	6.922	6.922	0.000	97	187554	10.0	9.45	
75 trans-1,3-Dichloropropene	75	7.179	7.176	0.003	95	95361	10.0	9.69	
77 Ethyl methacrylate	69	7.247	7.247	0.000	94	91511	10.0	10.0	
78 1,1,2-Trichloroethane	83	7.362	7.362	0.000	94	52961	10.0	9.61	
79 Tetrachloroethene	166	7.465	7.465	0.000	95	85018	10.0	9.67	
80 1,3-Dichloropropane	76	7.526	7.526	0.000	95	109965	10.0	9.58	
81 2-Hexanone	43	7.600	7.597	0.003	95	437984	50.0	52.5	
82 Chlorodibromomethane	129	7.761	7.761	0.000	90	68847	10.0	9.46	
83 Ethylene Dibromide	107	7.867	7.864	0.003	97	68840	10.0	9.64	
86 Chlorobenzene	112	8.359	8.359	0.000	94	201185	10.0	9.52	
89 1,1,1,2-Tetrachloroethane	131	8.452	8.452	0.000	91	74852	10.0	9.42	
88 Ethylbenzene	91	8.462	8.459	0.003	99	366250	10.0	9.74	
90 m-Xylene & p-Xylene	106	8.584	8.584	0.000	99	138565	10.0	9.84	
91 o-Xylene	106	9.005	9.005	0.000	98	138757	10.0	9.54	
92 Styrene	104	9.031	9.028	0.003	94	205140	10.0	9.81	
93 Bromoform	173	9.253	9.253	0.000	95	45243	10.0	9.60	
95 Isopropylbenzene	105	9.398	9.395	0.003	96	371820	10.0	9.51	
97 Bromobenzene	156	9.729	9.729	0.000	96	81486	10.0	9.40	
98 1,1,2,2-Tetrachloroethane	83	9.764	9.764	0.000	96	98079	10.0	9.28	
100 1,2,3-Trichloropropane	110	9.796	9.793	0.003	80	37948	10.0	9.60	
101 trans-1,4-Dichloro-2-butene	53	9.816	9.813	0.003	81	35297	10.0	9.60	
99 N-Propylbenzene	91	9.825	9.825	0.000	99	426166	10.0	9.70	
105 2-Chlorotoluene	126	9.922	9.922	0.000	96	88003	10.0	9.81	
104 1,3,5-Trimethylbenzene	105	10.005	10.005	0.000	93	312043	10.0	9.76	
102 4-Chlorotoluene	91	10.031	10.031	0.000	99	278645	10.0	9.63	
106 tert-Butylbenzene	134	10.324	10.324	0.000	94	64727	10.0	9.34	
107 1,2,4-Trimethylbenzene	105	10.378	10.378	0.000	98	316182	10.0	9.61	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.536	10.536	0.000	95	387469	10.0	9.70	
110 1,3-Dichlorobenzene	146	10.658	10.658	0.000	98	159429	10.0	9.67	
111 4-Isopropyltoluene	119	10.677	10.677	0.000	97	341708	10.0	9.91	
113 1,4-Dichlorobenzene	146	10.745	10.745	0.000	96	159477	10.0	9.68	
115 n-Butylbenzene	91	11.063	11.060	0.003	98	283416	10.0	9.75	
116 1,2-Dichlorobenzene	146	11.095	11.092	0.003	96	155799	10.0	9.27	
117 1,2-Dibromo-3-Chloropropane	75	11.809	11.806	0.003	81	26765	10.0	9.58	
119 1,2,4-Trichlorobenzene	180	12.500	12.501	-0.001	94	106941	10.0	9.56	
120 Hexachlorobutadiene	225	12.629	12.629	0.000	97	43159	10.0	9.38	
121 Naphthalene	128	12.706	12.706	0.000	97	378338	10.0	9.63	
122 1,2,3-Trichlorobenzene	180	12.909	12.912	-0.003	96	106750	10.0	9.43	
S 123 1,3-Dichloropropene, Total	1				0			19.3	
S 126 Xylenes, Total	1				0			19.4	
S 124 1,2-Dichloroethene, Total	1				0			19.7	
S 125 Total BTEX	1				0			48.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00611	Amount Added:	5.00	Units: uL	
8260 CORP mix_00251	Amount Added:	5.00	Units: uL	
K WATER IS/SS_00012	Amount Added:	5.00	Units: uL	Run Reagent

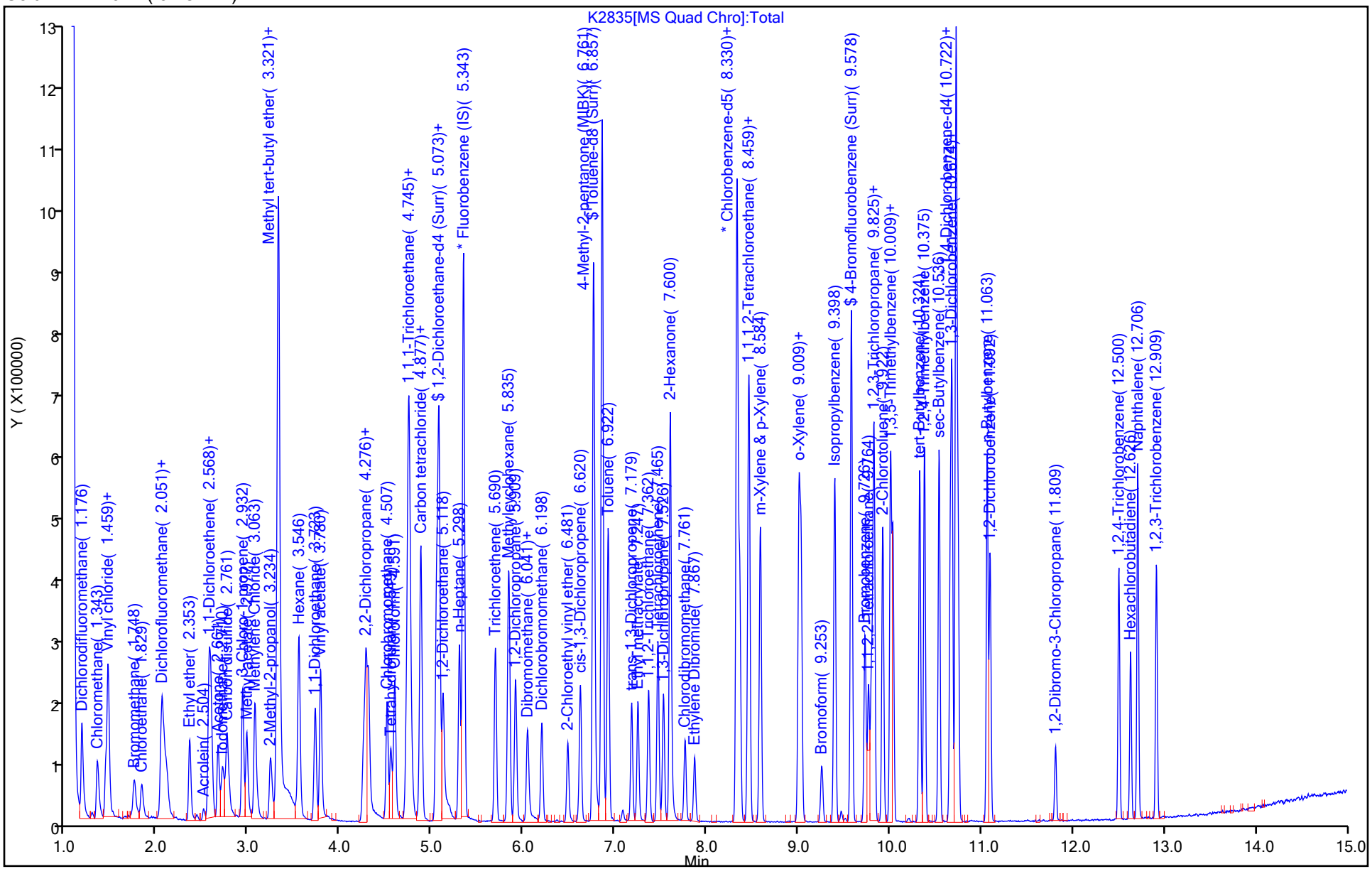
Report Date: 13-Mar-2024 11:00:06 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2835.D

Injection Date:	12-Mar-2024 21:27:08	Instrument ID:	HP5977K	Operator ID:	cdc
Lims ID:	IC 4			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

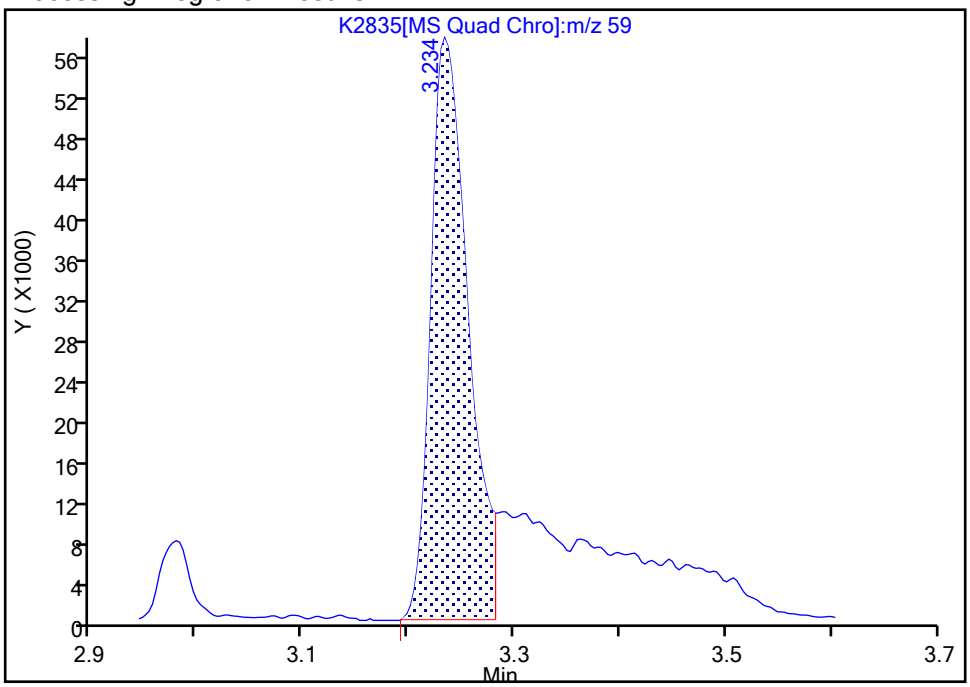
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2835.D
Injection Date: 12-Mar-2024 21:27:08 Instrument ID: HP5977K
Lims ID: IC 4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

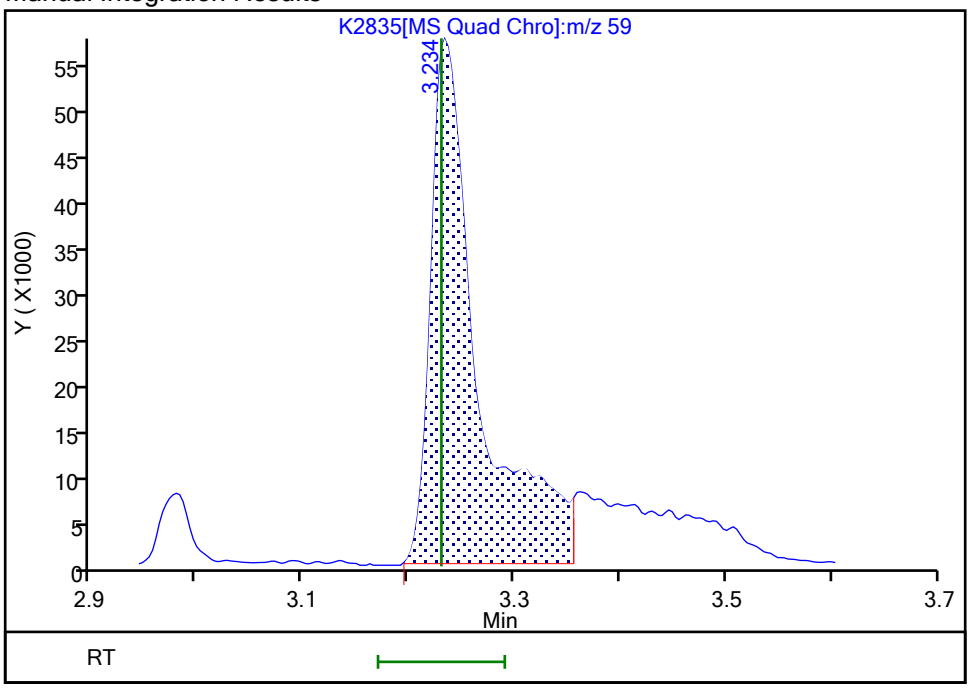
Processing Integration Results

RT: 3.23
Area: 141437
Amount: 72.963667
Amount Units: ug/L



Manual Integration Results

RT: 3.23
Area: 181616
Amount: 94.035667
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:28:51 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Buffalo

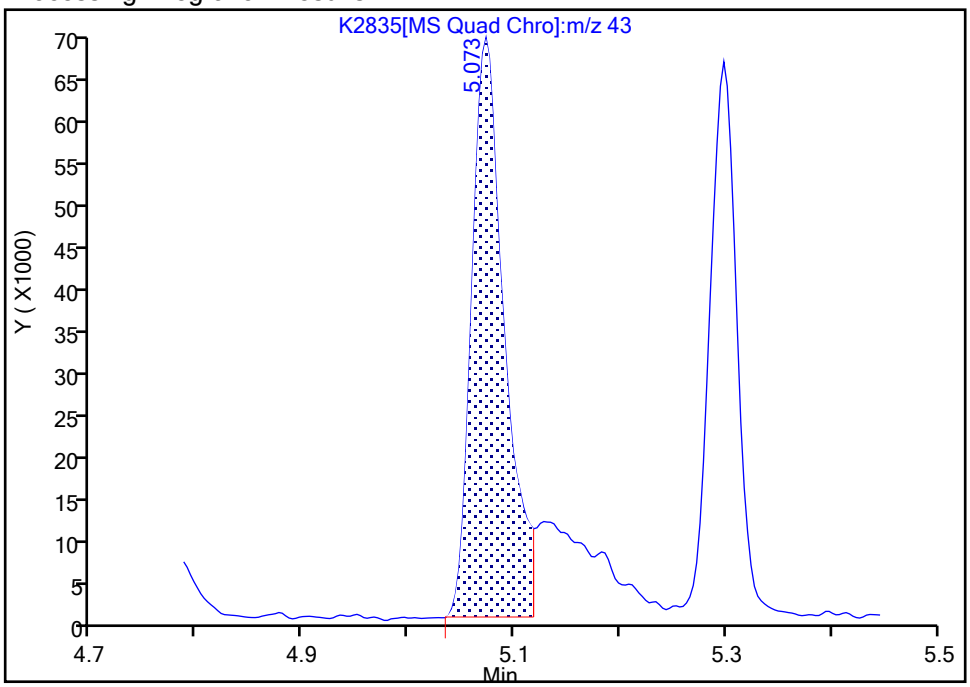
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2835.D
Injection Date: 12-Mar-2024 21:27:08 Instrument ID: HP5977K
Lims ID: IC 4
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

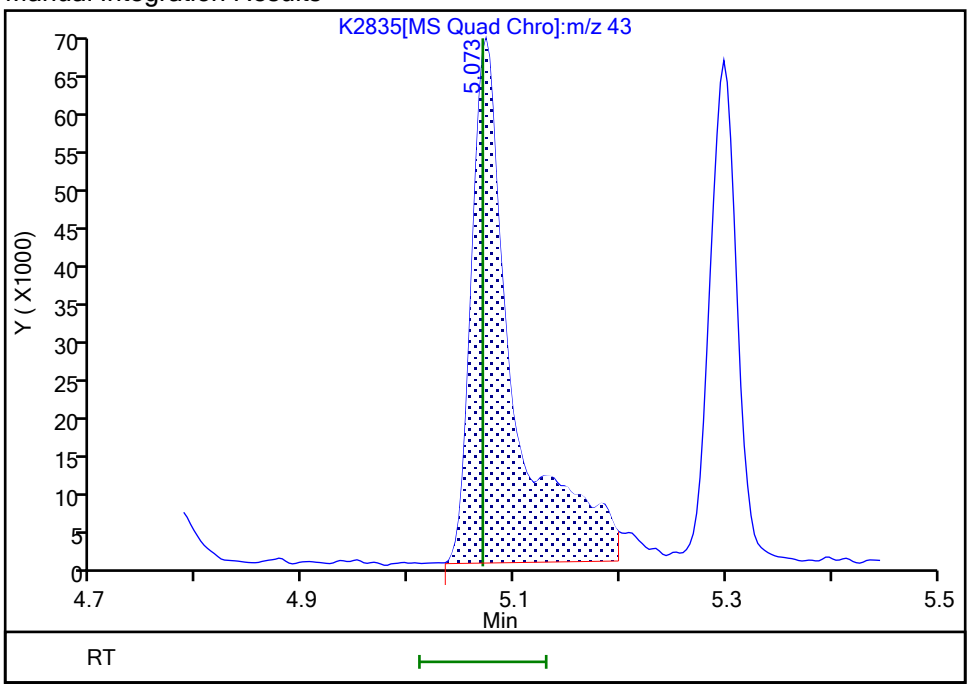
Processing Integration Results

RT: 5.07
Area: 150073
Amount: 197.8981
Amount Units: ug/L



Manual Integration Results

RT: 5.07
Area: 192392
Amount: 246.8165
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:29:05 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2836.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 12-Mar-2024 21:49:38 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0116718-012
Operator ID: cdc Instrument ID: HP5977K
Sublist: chrom-K-8260 WATER*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2024 11:00:16 Calib Date: 13-Mar-2024 02:41:36
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2849.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: WLL8 Date: 13-Mar-2024 10:29:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.340	5.340	0.000	98	160388	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.327	8.327	0.000	87	590379	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	302066	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.739	4.739	0.000	93	220792	25.0	24.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.044	5.044	0.000	98	249411	25.0	24.4	
$ 6 Toluene-d8 (Surr)	98	6.854	6.854	0.000	94	731374	25.0	24.6	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	87	225564	25.0	25.0	
11 Dichlorodifluoromethane	85	1.166	1.166	0.000	99	367301	25.0	24.7	
13 Chloromethane	50	1.337	1.337	0.000	99	324555	25.0	24.7	
14 Vinyl chloride	62	1.427	1.427	0.000	98	261429	25.0	23.6	
151 Butadiene	54	1.453	1.453	0.000	85	305054	25.0	24.4	
15 Bromomethane	94	1.736	1.736	0.000	94	131262	25.0	23.7	
16 Chloroethane	64	1.816	1.816	0.000	98	132763	25.0	24.1	
18 Dichlorofluoromethane	67	2.041	2.041	0.000	97	479654	25.0	23.6	
17 Trichlorofluoromethane	101	2.060	2.060	0.000	96	418828	25.0	24.1	
19 Ethyl ether	59	2.346	2.346	0.000	95	256666	25.0	24.9	
21 Acrolein	56	2.498	2.498	0.000	99	63346	125.0	132.4	
22 1,1-Dichloroethene	96	2.555	2.555	0.000	95	203436	25.0	24.3	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.565	2.565	0.000	90	228184	25.0	24.8	
23 Acetone	43	2.652	2.652	0.000	99	623431	125.0	131.8	
24 Iodomethane	142	2.707	2.707	0.000	98	352025	25.0	24.3	
25 Carbon disulfide	76	2.755	2.755	0.000	100	566174	25.0	23.6	
27 3-Chloro-1-propene	41	2.925	2.925	0.000	92	423884	25.0	24.4	
28 Methyl acetate	43	2.967	2.967	0.000	99	614749	50.0	55.0	
30 Methylene Chloride	84	3.060	3.060	0.000	97	230061	25.0	25.0	
31 2-Methyl-2-propanol	59	3.231	3.231	0.000	100	561578	250.0	259.8	
33 Methyl tert-butyl ether	73	3.305	3.305	0.000	97	727777	25.0	25.0	
32 trans-1,2-Dichloroethene	96	3.308	3.308	0.000	90	231487	25.0	24.3	
34 Acrylonitrile	53	3.318	3.318	0.000	99	1880005	250.0	262.9	
35 Hexane	57	3.539	3.539	0.000	88	394860	25.0	23.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.719	3.719	0.000	96	492257	25.0	24.5	
39 Vinyl acetate	43	3.777	3.777	0.000	97	1075845	50.0	52.9	
42 2,2-Dichloropropane	77	4.250	4.250	0.000	90	269438	25.0	25.1	
43 cis-1,2-Dichloroethene	96	4.276	4.276	0.000	85	250803	25.0	24.7	
44 2-Butanone (MEK)	43	4.298	4.298	0.000	99	917443	125.0	136.4	
47 Chlorobromomethane	128	4.504	4.504	0.000	94	127679	25.0	25.9	
48 Tetrahydrofuran	42	4.543	4.543	0.000	91	251968	50.0	50.2	
50 Chloroform	83	4.588	4.588	0.000	94	425214	25.0	23.5	
51 1,1,1-Trichloroethane	97	4.723	4.723	0.000	98	393942	25.0	24.9	
52 Cyclohexane	56	4.752	4.752	0.000	89	575820	25.0	24.4	
53 Carbon tetrachloride	117	4.871	4.871	0.000	97	353542	25.0	24.4	
54 1,1-Dichloropropene	75	4.877	4.877	0.000	97	309415	25.0	23.7	
56 Isobutyl alcohol	43	5.070	5.070	0.000	97	621008	625.0	711.9	
55 Benzene	78	5.073	5.073	0.000	97	850855	25.0	23.6	
57 1,2-Dichloroethane	62	5.118	5.118	0.000	97	366971	25.0	24.1	
59 n-Heptane	43	5.295	5.295	0.000	94	292928	25.0	22.8	
60 Trichloroethene	95	5.687	5.687	0.000	97	236624	25.0	24.4	
62 Methylcyclohexane	83	5.835	5.835	0.000	96	402734	25.0	23.9	
63 1,2-Dichloropropane	63	5.909	5.909	0.000	97	243903	25.0	24.8	
65 Dibromomethane	93	6.038	6.038	0.000	95	141746	25.0	25.9	
66 1,4-Dioxane	88	6.057	6.057	0.000	92	76571	500.0	593.0	
67 Dichlorobromomethane	83	6.195	6.195	0.000	98	284091	25.0	25.1	
69 2-Chloroethyl vinyl ether	63	6.478	6.478	0.000	91	158281	25.0	24.8	
71 cis-1,3-Dichloropropene	75	6.620	6.620	0.000	94	312759	25.0	25.0	
72 4-Methyl-2-pentanone (MIBK)	43	6.761	6.761	0.000	95	1797205	125.0	135.2	
73 Toluene	92	6.922	6.922	0.000	98	512319	25.0	24.7	
75 trans-1,3-Dichloropropene	75	7.176	7.176	0.000	95	277544	25.0	27.0	
77 Ethyl methacrylate	69	7.247	7.247	0.000	93	255675	25.0	26.8	
78 1,1,2-Trichloroethane	83	7.362	7.362	0.000	95	146139	25.0	25.4	
79 Tetrachloroethene	166	7.465	7.465	0.000	95	227320	25.0	24.8	
80 1,3-Dichloropropane	76	7.526	7.526	0.000	94	308095	25.0	25.7	
81 2-Hexanone	43	7.597	7.597	0.000	94	1169543	125.0	134.3	
82 Chlorodibromomethane	129	7.761	7.761	0.000	90	202969	25.0	26.7	
83 Ethylene Dibromide	107	7.864	7.864	0.000	97	195252	25.0	26.2	
86 Chlorobenzene	112	8.359	8.359	0.000	94	554205	25.0	25.1	
89 1,1,1,2-Tetrachloroethane	131	8.452	8.452	0.000	93	217439	25.0	26.2	
88 Ethylbenzene	91	8.459	8.459	0.000	99	976941	25.0	24.9	
90 m-Xylene & p-Xylene	106	8.584	8.584	0.000	98	373296	25.0	25.4	
91 o-Xylene	106	9.005	9.005	0.000	97	394177	25.0	25.9	
92 Styrene	104	9.028	9.028	0.000	94	561852	25.0	25.7	
93 Bromoform	173	9.253	9.253	0.000	96	134739	25.0	27.4	
95 Isopropylbenzene	105	9.395	9.395	0.000	96	1030558	25.0	25.9	
97 Bromobenzene	156	9.729	9.729	0.000	95	225372	25.0	25.6	
98 1,1,2,2-Tetrachloroethane	83	9.764	9.764	0.000	96	282055	25.0	26.2	
100 1,2,3-Trichloropropane	110	9.793	9.793	0.000	84	97194	25.0	24.2	
101 trans-1,4-Dichloro-2-butene	53	9.813	9.813	0.000	88	104766	25.0	28.0	
99 N-Propylbenzene	91	9.825	9.825	0.000	99	1175628	25.0	26.3	
105 2-Chlorotoluene	126	9.922	9.922	0.000	96	239989	25.0	26.3	
104 1,3,5-Trimethylbenzene	105	10.005	10.005	0.000	94	868789	25.0	26.7	
102 4-Chlorotoluene	91	10.031	10.031	0.000	99	764367	25.0	26.0	
106 tert-Butylbenzene	134	10.324	10.324	0.000	94	178701	25.0	25.3	
107 1,2,4-Trimethylbenzene	105	10.378	10.378	0.000	98	890280	25.0	26.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.536	10.536	0.000	95	1071674	25.0	26.4	
110 1,3-Dichlorobenzene	146	10.658	10.658	0.000	97	430372	25.0	25.6	
111 4-Isopropyltoluene	119	10.677	10.677	0.000	97	937341	25.0	26.7	
113 1,4-Dichlorobenzene	146	10.745	10.745	0.000	95	427473	25.0	25.5	
115 n-Butylbenzene	91	11.060	11.060	0.000	97	782993	25.0	26.5	
116 1,2-Dichlorobenzene	146	11.092	11.092	0.000	97	442674	25.0	25.9	
117 1,2-Dibromo-3-Chloropropane	75	11.806	11.806	0.000	84	75726	25.0	26.6	
119 1,2,4-Trichlorobenzene	180	12.501	12.501	0.000	94	308181	25.0	27.1	
120 Hexachlorobutadiene	225	12.629	12.629	0.000	98	121046	25.0	25.9	
121 Naphthalene	128	12.706	12.706	0.000	97	1111746	25.0	27.8	
122 1,2,3-Trichlorobenzene	180	12.912	12.912	0.000	96	308635	25.0	26.8	

QC Flag Legend

Processing Flags

Reagents:

GAS CORP mix_00611	Amount Added: 12.50	Units: uL	
8260 CORP mix_00251	Amount Added: 12.50	Units: uL	
K WATER IS/SS_00012	Amount Added: 5.00	Units: uL	Run Reagent

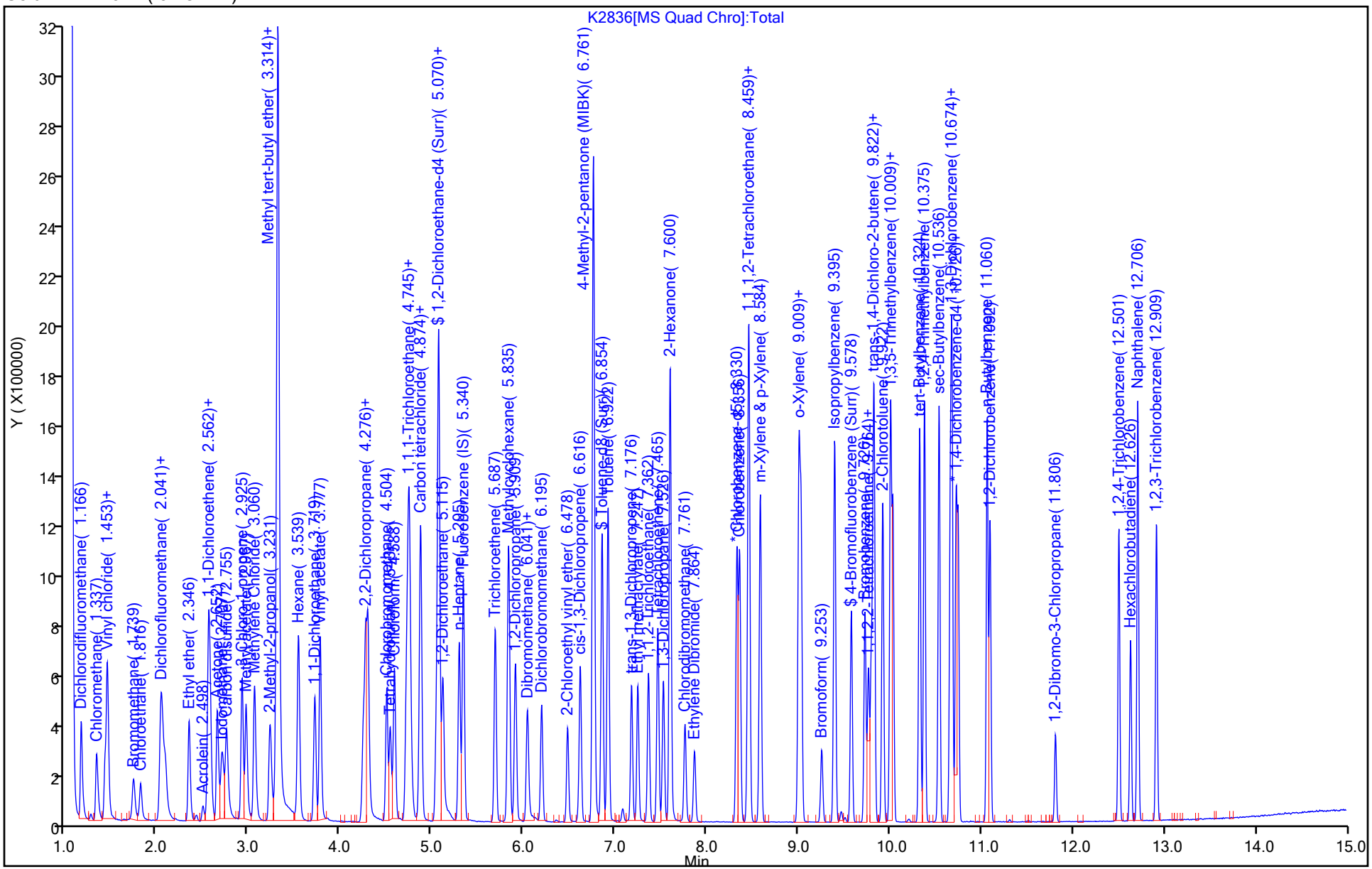
Report Date: 13-Mar-2024 11:00:17 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2836.D

Injection Date:	12-Mar-2024 21:49:38	Instrument ID:	HP5977K	Operator ID:	cdc
Lims ID:	ICIS 5			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2837.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 12-Mar-2024 22:12:07 ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0116718-013
Operator ID: cdc Instrument ID: HP5977K
Sublist: chrom-K-8260 WATER*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2024 11:00:28 Calib Date: 13-Mar-2024 02:41:36
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2849.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: WLL8 Date: 13-Mar-2024 10:30:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.340	5.340	0.000	98	155931	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.327	8.327	0.000	91	593055	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	300607	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.739	4.739	0.000	93	224734	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.044	5.044	0.000	99	250035	25.0	25.2	
$ 6 Toluene-d8 (Surr)	98	6.854	6.854	0.000	94	741517	25.0	24.8	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	87	223911	25.0	24.7	
11 Dichlorodifluoromethane	85	1.166	1.166	0.000	99	711277	50.0	49.2	
13 Chloromethane	50	1.337	1.337	0.000	99	631428	50.0	49.3	
14 Vinyl chloride	62	1.427	1.427	0.000	97	515143	50.0	47.9	
151 Butadiene	54	1.456	1.453	0.003	86	595132	50.0	48.9	
15 Bromomethane	94	1.739	1.736	0.003	93	254872	50.0	47.3	
16 Chloroethane	64	1.816	1.816	0.000	98	263099	50.0	49.0	
18 Dichlorofluoromethane	67	2.041	2.041	0.000	97	962987	50.0	48.7	
17 Trichlorofluoromethane	101	2.063	2.060	0.003	97	832475	50.0	49.2	
19 Ethyl ether	59	2.343	2.346	-0.003	95	492522	50.0	49.1	
21 Acrolein	56	2.494	2.498	-0.004	99	122981	250.0	264.4	
22 1,1-Dichloroethene	96	2.559	2.555	0.004	92	406696	50.0	50.0	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.568	2.565	0.003	92	451802	50.0	50.4	
23 Acetone	43	2.652	2.652	0.000	100	1175632	250.0	255.7	
24 Iodomethane	142	2.707	2.707	0.000	98	706046	50.0	50.0	
25 Carbon disulfide	76	2.755	2.755	0.000	100	1149768	50.0	49.2	
27 3-Chloro-1-propene	41	2.922	2.925	-0.003	92	857862	50.0	50.7	
28 Methyl acetate	43	2.967	2.967	0.000	99	1148649	100.0	105.7	
30 Methylene Chloride	84	3.060	3.060	0.000	97	449125	50.0	50.4	
31 2-Methyl-2-propanol	59	3.227	3.231	-0.004	100	1076696	500.0	512.4	
33 Methyl tert-butyl ether	73	3.305	3.305	0.000	97	1381421	50.0	48.8	
32 trans-1,2-Dichloroethene	96	3.308	3.308	0.000	93	455844	50.0	49.3	
34 Acrylonitrile	53	3.317	3.318	-0.001	99	3376725	500.0	485.7	
35 Hexane	57	3.539	3.539	0.000	87	798945	50.0	48.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.719	3.719	0.000	96	988785	50.0	50.6	
39 Vinyl acetate	43	3.777	3.777	0.000	97	2119601	100.0	107.1	
42 2,2-Dichloropropane	77	4.250	4.250	0.000	89	530566	50.0	50.8	
43 cis-1,2-Dichloroethene	96	4.276	4.276	0.000	86	505576	50.0	51.1	
44 2-Butanone (MEK)	43	4.298	4.298	0.000	98	1735109	250.0	265.4	
47 Chlorobromomethane	128	4.504	4.504	0.000	95	243517	50.0	50.9	
48 Tetrahydrofuran	42	4.539	4.543	-0.004	92	490297	100.0	100.5	
50 Chloroform	83	4.588	4.588	0.000	94	847258	50.0	48.2	
51 1,1,1-Trichloroethane	97	4.719	4.723	-0.004	98	797836	50.0	51.8	
52 Cyclohexane	56	4.751	4.752	-0.001	89	1140671	50.0	49.8	
53 Carbon tetrachloride	117	4.870	4.871	-0.001	97	730206	50.0	51.9	
54 1,1-Dichloropropene	75	4.877	4.877	0.000	96	634750	50.0	49.9	
56 Isobutyl alcohol	43	5.067	5.070	-0.003	95	1081101	1250.0	1274.8	
55 Benzene	78	5.073	5.073	0.000	97	1692224	50.0	48.2	
57 1,2-Dichloroethane	62	5.115	5.118	-0.003	97	726663	50.0	49.0	
59 n-Heptane	43	5.295	5.295	0.000	94	599493	50.0	47.9	
60 Trichloroethene	95	5.687	5.687	0.000	96	468841	50.0	49.8	
62 Methylcyclohexane	83	5.835	5.835	0.000	95	812292	50.0	49.6	
63 1,2-Dichloropropane	63	5.909	5.909	0.000	97	474485	50.0	49.6	
65 Dibromomethane	93	6.038	6.038	0.000	97	275425	50.0	51.7	
66 1,4-Dioxane	88	6.054	6.057	-0.003	95	139705	1000.0	1077.1	
67 Dichlorobromomethane	83	6.195	6.195	0.000	98	571870	50.0	51.9	
69 2-Chloroethyl vinyl ether	63	6.478	6.478	0.000	91	304442	50.0	49.1	
71 cis-1,3-Dichloropropene	75	6.616	6.620	-0.004	94	629155	50.0	51.8	
72 4-Methyl-2-pentanone (MIBK)	43	6.761	6.761	0.000	95	3412372	250.0	255.5	
73 Toluene	92	6.922	6.922	0.000	98	1024075	50.0	49.2	
75 trans-1,3-Dichloropropene	75	7.179	7.176	0.003	94	560110	50.0	54.3	
77 Ethyl methacrylate	69	7.247	7.247	0.000	92	495262	50.0	51.8	
78 1,1,2-Trichloroethane	83	7.362	7.362	0.000	94	277650	50.0	48.1	
79 Tetrachloroethene	166	7.465	7.465	0.000	94	446444	50.0	48.4	
80 1,3-Dichloropropane	76	7.526	7.526	0.000	94	589674	50.0	49.0	
81 2-Hexanone	43	7.597	7.597	0.000	94	2211230	250.0	252.8	
82 Chlorodibromomethane	129	7.761	7.761	0.000	91	412047	50.0	54.0	
83 Ethylene Dibromide	107	7.864	7.864	0.000	98	372973	50.0	49.8	
86 Chlorobenzene	112	8.359	8.359	0.000	94	1102702	50.0	49.7	
89 1,1,1,2-Tetrachloroethane	131	8.452	8.452	0.000	93	445254	50.0	53.4	
88 Ethylbenzene	91	8.462	8.459	0.003	99	1980754	50.0	50.2	
90 m-Xylene & p-Xylene	106	8.584	8.584	0.000	98	753436	50.0	51.0	
91 o-Xylene	106	9.005	9.005	0.000	98	777302	50.0	50.9	
92 Styrene	104	9.028	9.028	0.000	94	1156663	50.0	52.7	
93 Bromoform	173	9.253	9.253	0.000	96	276411	50.0	55.9	
95 Isopropylbenzene	105	9.394	9.395	-0.001	96	2107293	50.0	53.2	
97 Bromobenzene	156	9.726	9.729	-0.003	96	443578	50.0	50.5	
98 1,1,2,2-Tetrachloroethane	83	9.764	9.764	0.000	95	548047	50.0	51.2	
100 1,2,3-Trichloropropane	110	9.796	9.793	0.003	85	194058	50.0	48.5	
101 trans-1,4-Dichloro-2-butene	53	9.812	9.813	-0.001	91	203770	50.0	54.7	
99 N-Propylbenzene	91	9.825	9.825	0.000	99	2384590	50.0	53.6	
105 2-Chlorotoluene	126	9.922	9.922	0.000	97	473487	50.0	52.1	
104 1,3,5-Trimethylbenzene	105	10.005	10.005	0.000	94	1770137	50.0	54.7	
102 4-Chlorotoluene	91	10.031	10.031	0.000	99	1541354	50.0	52.6	
106 tert-Butylbenzene	134	10.324	10.324	0.000	93	371854	50.0	53.0	
107 1,2,4-Trimethylbenzene	105	10.375	10.378	-0.003	98	1780033	50.0	53.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.536	10.536	0.000	95	2187233	50.0	54.1	
110 1,3-Dichlorobenzene	146	10.658	10.658	0.000	97	848179	50.0	50.8	
111 4-Isopropyltoluene	119	10.677	10.677	0.000	97	1924330	50.0	55.1	
113 1,4-Dichlorobenzene	146	10.745	10.745	0.000	93	838456	50.0	50.3	
115 n-Butylbenzene	91	11.060	11.060	0.000	98	1603031	50.0	54.5	
116 1,2-Dichlorobenzene	146	11.092	11.092	0.000	97	850349	50.0	50.0	
117 1,2-Dibromo-3-Chloropropane	75	11.806	11.806	0.000	83	150618	50.0	53.2	
119 1,2,4-Trichlorobenzene	180	12.501	12.501	-0.001	95	605482	50.0	53.5	
120 Hexachlorobutadiene	225	12.629	12.629	0.000	97	252152	50.0	54.1	
121 Naphthalene	128	12.706	12.706	0.000	98	2095527	50.0	52.7	
122 1,2,3-Trichlorobenzene	180	12.909	12.912	-0.003	96	594259	50.0	51.8	
S 123 1,3-Dichloropropene, Total	1				0			106.1	
S 126 Xylenes, Total	1				0			101.9	
S 124 1,2-Dichloroethene, Total	1				0			100.4	
S 125 Total BTEX	1				0			249.6	

QC Flag Legend

Processing Flags

Reagents:

GAS CORP mix_00611	Amount Added: 25.00	Units: uL	
8260 CORP mix_00251	Amount Added: 25.00	Units: uL	
K WATER IS/SS_00012	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 13-Mar-2024 11:00:29 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2837.D

Injection Date: 12-Mar-2024 22:12:07 Instrument ID: HP5977K Operator ID: cdc

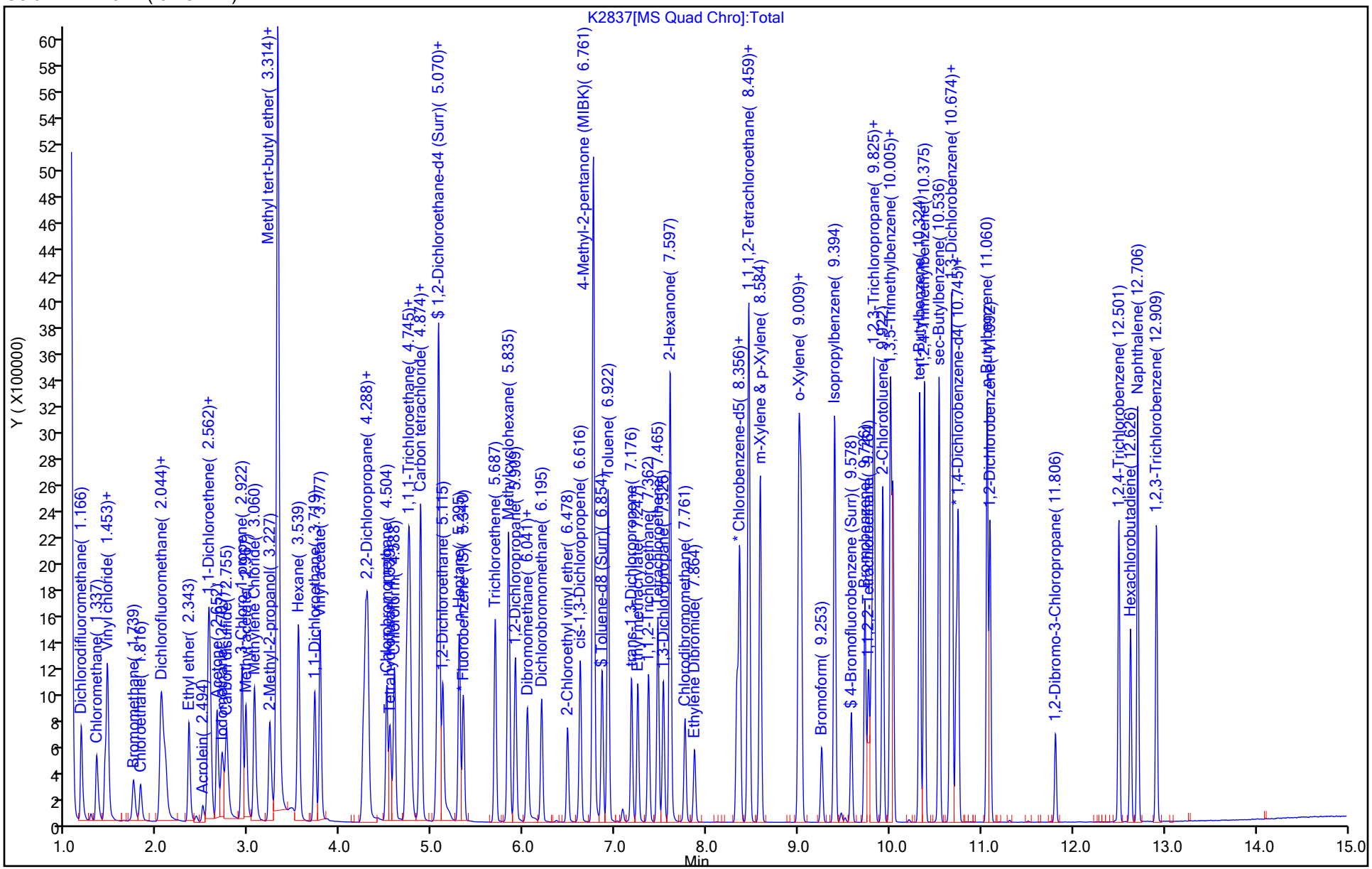
Lims ID: IC 6 Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 0

Method: K-8260 WATER Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2838.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 12-Mar-2024 22:34:41 ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0116718-014
Operator ID: cdc Instrument ID: HP5977K
Sublist: chrom-K-8260 WATER*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2024 11:00:39 Calib Date: 13-Mar-2024 02:41:36
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2849.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: WLL8 Date: 13-Mar-2024 10:31:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.340	5.340	0.000	98	154820	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.327	8.327	0.000	86	611148	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.723	10.722	0.001	95	314700	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.742	4.739	0.003	93	221678	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.047	5.044	0.003	94	246321	25.0	25.0	
$ 6 Toluene-d8 (Surr)	98	6.858	6.854	0.004	94	746377	25.0	24.2	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	89	233660	25.0	25.0	
11 Dichlorodifluoromethane	85	1.173	1.166	0.007	99	1452761	100.0	101.2	
13 Chloromethane	50	1.343	1.337	0.006	99	1253179	100.0	98.6	
14 Vinyl chloride	62	1.433	1.427	0.006	97	1039043	100.0	97.3	
151 Butadiene	54	1.459	1.453	0.006	85	1190682	100.0	98.6	
15 Bromomethane	94	1.745	1.736	0.009	93	517995	100.0	96.9	
16 Chloroethane	64	1.826	1.816	0.010	98	536432	100.0	100.7	
18 Dichlorofluoromethane	67	2.048	2.041	0.006	97	1910331	100.0	97.3	
17 Trichlorofluoromethane	101	2.070	2.060	0.010	96	1714937	100.0	102.0	
19 Ethyl ether	59	2.350	2.346	0.004	94	977757	100.0	98.2	
21 Acrolein	56	2.501	2.498	0.003	98	241400	500.0	522.7	
22 1,1-Dichloroethene	96	2.562	2.555	0.007	92	789963	100.0	97.9	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.578	2.565	0.013	93	901808	100.0	101.4	
23 Acetone	43	2.655	2.652	0.003	99	2587574	500.0	566.8	
24 Iodomethane	142	2.710	2.707	0.003	98	1395394	100.0	99.6	
25 Carbon disulfide	76	2.758	2.755	0.003	100	2225901	100.0	96.0	
27 3-Chloro-1-propene	41	2.929	2.925	0.003	92	1667454	100.0	99.3	
28 Methyl acetate	43	2.970	2.967	0.003	99	2204299	200.0	204.2	
30 Methylene Chloride	84	3.064	3.060	0.004	97	879436	100.0	99.6	
31 2-Methyl-2-propanol	59	3.231	3.231	0.000	100	2194701	1000.0	1052.0	
33 Methyl tert-butyl ether	73	3.305	3.305	0.000	97	2761568	100.0	98.2	
32 trans-1,2-Dichloroethene	96	3.311	3.308	0.003	92	878278	100.0	95.6	
34 Acrylonitrile	53	3.324	3.318	0.006	99	6907392	1000.0	1000.6	
35 Hexane	57	3.543	3.539	0.004	88	1580817	100.0	97.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.719	3.719	0.000	96	1931222	100.0	99.6	
39 Vinyl acetate	43	3.777	3.777	0.000	97	4386843	200.0	223.3	
42 2,2-Dichloropropane	77	4.253	4.250	0.003	88	986906	100.0	95.1	
43 cis-1,2-Dichloroethene	96	4.279	4.276	0.003	84	981499	100.0	100.0	
44 2-Butanone (MEK)	43	4.298	4.298	0.000	99	3651789	500.0	562.6	
47 Chlorobromomethane	128	4.507	4.504	0.003	95	485853	100.0	102.3	
48 Tetrahydrofuran	42	4.539	4.543	-0.004	92	989671	200.0	204.3	
50 Chloroform	83	4.591	4.588	0.003	94	1657212	100.0	94.9	
51 1,1,1-Trichloroethane	97	4.723	4.723	0.000	98	1566215	100.0	102.4	
52 Cyclohexane	56	4.755	4.752	0.003	90	2271661	100.0	99.8	
53 Carbon tetrachloride	117	4.871	4.871	0.000	96	1460549	100.0	104.5	
54 1,1-Dichloropropene	75	4.877	4.877	0.000	95	1261899	100.0	100.0	
56 Isobutyl alcohol	43	5.070	5.070	0.000	97	2531403	2500.0	3006.4	
55 Benzene	78	5.073	5.073	0.000	97	3351922	100.0	96.2	
57 1,2-Dichloroethane	62	5.118	5.118	0.000	97	1403921	100.0	95.3	
59 n-Heptane	43	5.298	5.295	0.003	93	1202257	100.0	96.8	
60 Trichloroethene	95	5.690	5.687	0.003	96	948033	100.0	101.4	
62 Methylcyclohexane	83	5.835	5.835	0.000	95	1619359	100.0	99.6	
63 1,2-Dichloropropane	63	5.909	5.909	0.000	97	961095	100.0	101.1	
65 Dibromomethane	93	6.038	6.038	0.000	97	561279	100.0	106.1	
66 1,4-Dioxane	88	6.054	6.057	-0.003	96	279555	2000.0	2091.6	
67 Dichlorobromomethane	83	6.195	6.195	0.000	98	1187092	100.0	108.5	
69 2-Chloroethyl vinyl ether	63	6.478	6.478	0.000	91	640254	100.0	104.1	
71 cis-1,3-Dichloropropene	75	6.620	6.620	0.000	94	1305222	100.0	108.2	
72 4-Methyl-2-pentanone (MIBK)	43	6.761	6.761	0.000	94	6714748	500.0	487.9	
73 Toluene	92	6.922	6.922	0.000	98	2061947	100.0	96.2	
75 trans-1,3-Dichloropropene	75	7.179	7.176	0.003	94	1176225	100.0	110.6	
77 Ethyl methacrylate	69	7.247	7.247	0.000	92	1035848	100.0	105.1	
78 1,1,2-Trichloroethane	83	7.362	7.362	0.000	95	574279	100.0	96.4	
79 Tetrachloroethene	166	7.465	7.465	0.000	94	905442	100.0	95.3	
80 1,3-Dichloropropane	76	7.526	7.526	0.000	94	1210547	100.0	97.6	
81 2-Hexanone	43	7.600	7.597	0.003	94	4414028	500.0	489.8	
82 Chlorodibromomethane	129	7.761	7.761	0.000	91	881486	100.0	112.0	
83 Ethylene Dibromide	107	7.864	7.864	0.000	99	773764	100.0	100.2	
86 Chlorobenzene	112	8.359	8.359	0.000	94	2267093	100.0	99.2	
89 1,1,1,2-Tetrachloroethane	131	8.452	8.452	0.000	93	918154	100.0	106.9	
88 Ethylbenzene	91	8.462	8.459	0.003	99	3957795	100.0	97.4	
90 m-Xylene & p-Xylene	106	8.584	8.584	0.000	98	1521512	100.0	99.9	
91 o-Xylene	106	9.006	9.005	0.001	98	1570770	100.0	99.9	
92 Styrene	104	9.028	9.028	0.000	95	2346981	100.0	103.8	
93 Bromoform	173	9.253	9.253	0.000	96	601040	100.0	118.0	
95 Isopropylbenzene	105	9.395	9.395	0.000	96	4222392	100.0	101.9	
97 Bromobenzene	156	9.729	9.729	0.000	96	918989	100.0	100.0	
98 1,1,2,2-Tetrachloroethane	83	9.764	9.764	0.000	94	1118232	100.0	99.8	
100 1,2,3-Trichloropropane	110	9.797	9.793	0.003	83	387882	100.0	92.6	
101 trans-1,4-Dichloro-2-butene	53	9.813	9.813	0.000	95	424852	100.0	109.0	
99 N-Propylbenzene	91	9.825	9.825	0.000	99	4717363	100.0	101.3	
105 2-Chlorotoluene	126	9.922	9.922	0.000	96	955500	100.0	100.5	
104 1,3,5-Trimethylbenzene	105	10.006	10.005	0.001	93	3597309	100.0	106.1	
102 4-Chlorotoluene	91	10.031	10.031	0.000	99	3129232	100.0	102.0	
106 tert-Butylbenzene	134	10.324	10.324	0.000	93	796052	100.0	108.4	
107 1,2,4-Trimethylbenzene	105	10.378	10.378	0.000	98	3599782	100.0	103.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.536	10.536	0.000	95	4435707	100.0	104.8	
110 1,3-Dichlorobenzene	146	10.658	10.658	0.000	97	1755957	100.0	100.4	
111 4-Isopropyltoluene	119	10.678	10.677	0.001	97	3902486	100.0	106.8	
113 1,4-Dichlorobenzene	146	10.745	10.745	0.000	93	1731104	100.0	99.1	
115 n-Butylbenzene	91	11.060	11.060	0.000	98	3281287	100.0	106.5	
116 1,2-Dichlorobenzene	146	11.092	11.092	0.000	97	1748081	100.0	98.1	
117 1,2-Dibromo-3-Chloropropane	75	11.806	11.806	0.000	90	315943	100.0	106.7	
119 1,2,4-Trichlorobenzene	180	12.501	12.501	0.000	95	1273727	100.0	107.4	
120 Hexachlorobutadiene	225	12.629	12.629	0.000	98	531383	100.0	109.0	
121 Naphthalene	128	12.706	12.706	0.000	98	4351112	100.0	104.5	
122 1,2,3-Trichlorobenzene	180	12.912	12.912	0.000	95	1215864	100.0	101.3	
S 123 1,3-Dichloropropene, Total	1				0			218.8	
S 126 Xylenes, Total	1				0			199.8	
S 124 1,2-Dichloroethene, Total	1				0			195.5	
S 125 Total BTEX	1				0			489.6	

QC Flag Legend

Processing Flags

Reagents:

GAS CORP mix_00611	Amount Added: 50.00	Units: uL	
8260 CORP mix_00251	Amount Added: 50.00	Units: uL	
K WATER IS/SS_00012	Amount Added: 5.00	Units: uL	Run Reagent

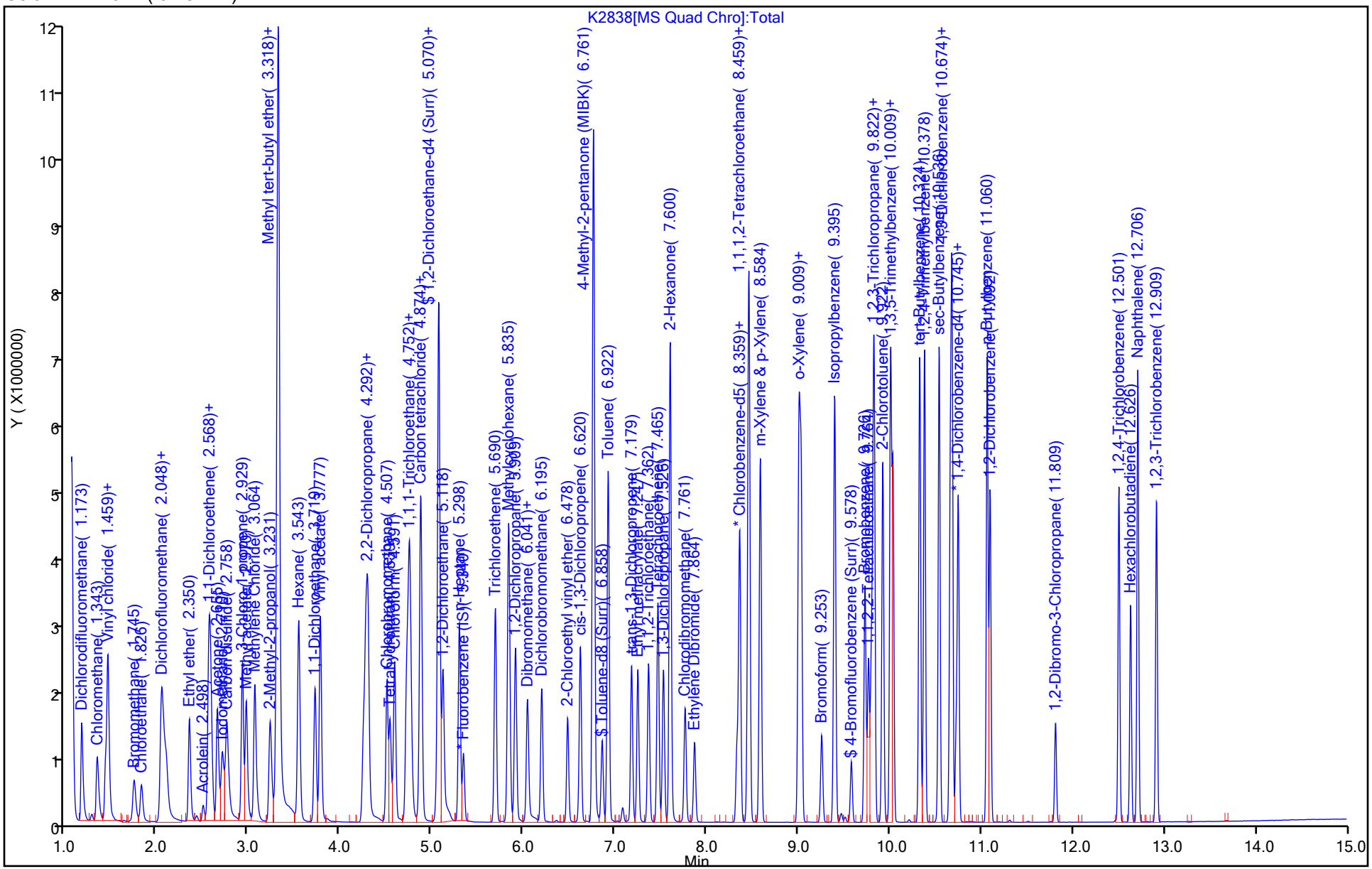
Report Date: 13-Mar-2024 11:00:40 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2838.D

Injection Date:	12-Mar-2024 22:34:41	Instrument ID:	HP5977K	Operator ID:	cdc
Lims ID:	IC 7			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Calibration / Dichlorodifluoromethane

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

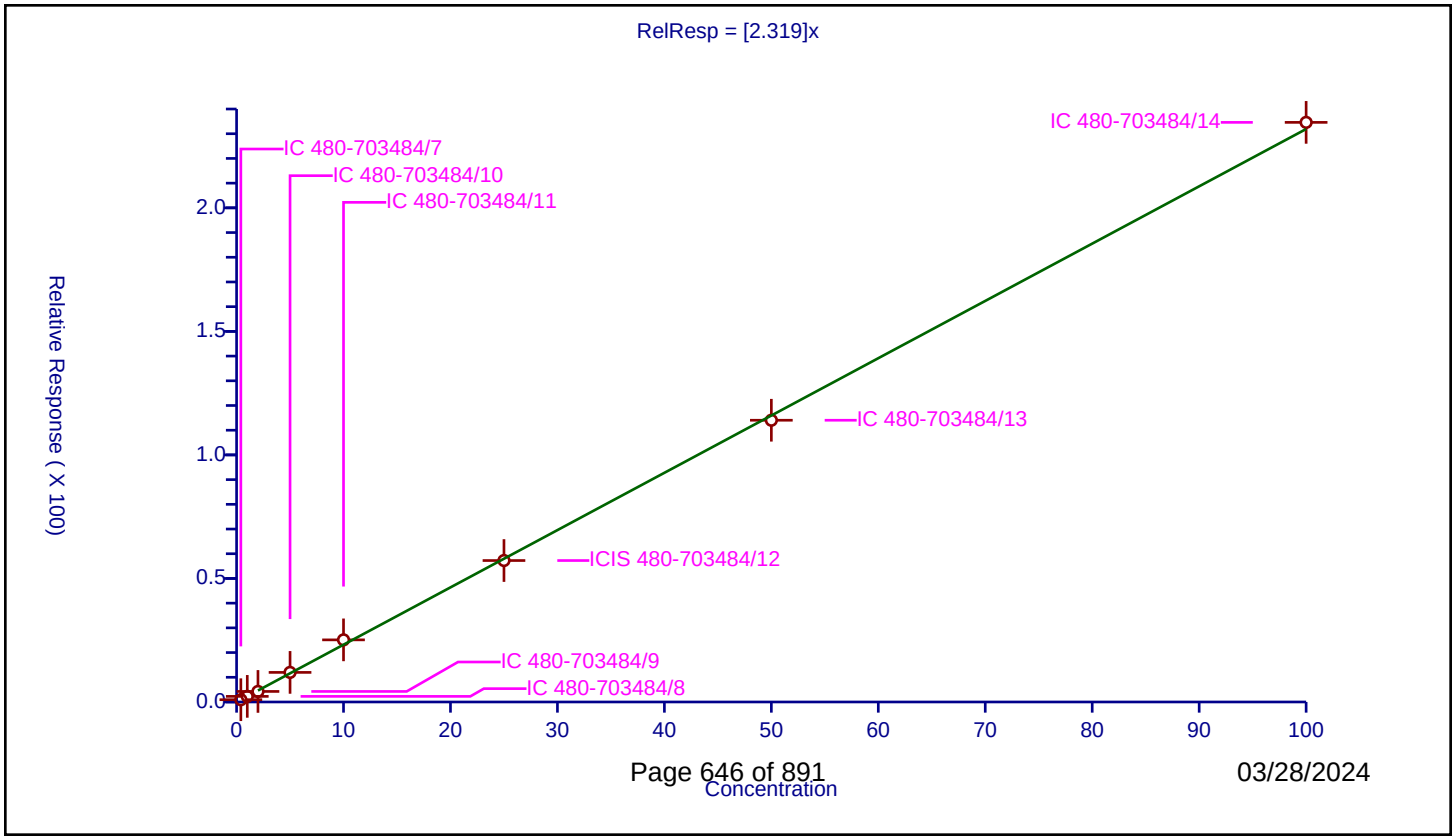
Curve Coefficients

Intercept:	0
Slope:	2.319

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.92799	25.0	139037.0	2.319976	Y
2	IC 480-703484/8	1.0	2.270581	25.0	148266.0	2.270581	Y
3	IC 480-703484/9	2.0	4.27031	25.0	162295.0	2.135155	Y
4	IC 480-703484/10	5.0	11.973916	25.0	157912.0	2.394783	Y
5	IC 480-703484/11	10.0	25.144079	25.0	143324.0	2.514408	Y
6	ICIS 480-703484/12	25.0	57.251945	25.0	160388.0	2.290078	Y
7	IC 480-703484/13	50.0	114.037138	25.0	155931.0	2.280743	Y
8	IC 480-703484/14	100.0	234.588716	25.0	154820.0	2.345887	Y



Calibration / Chloromethane

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

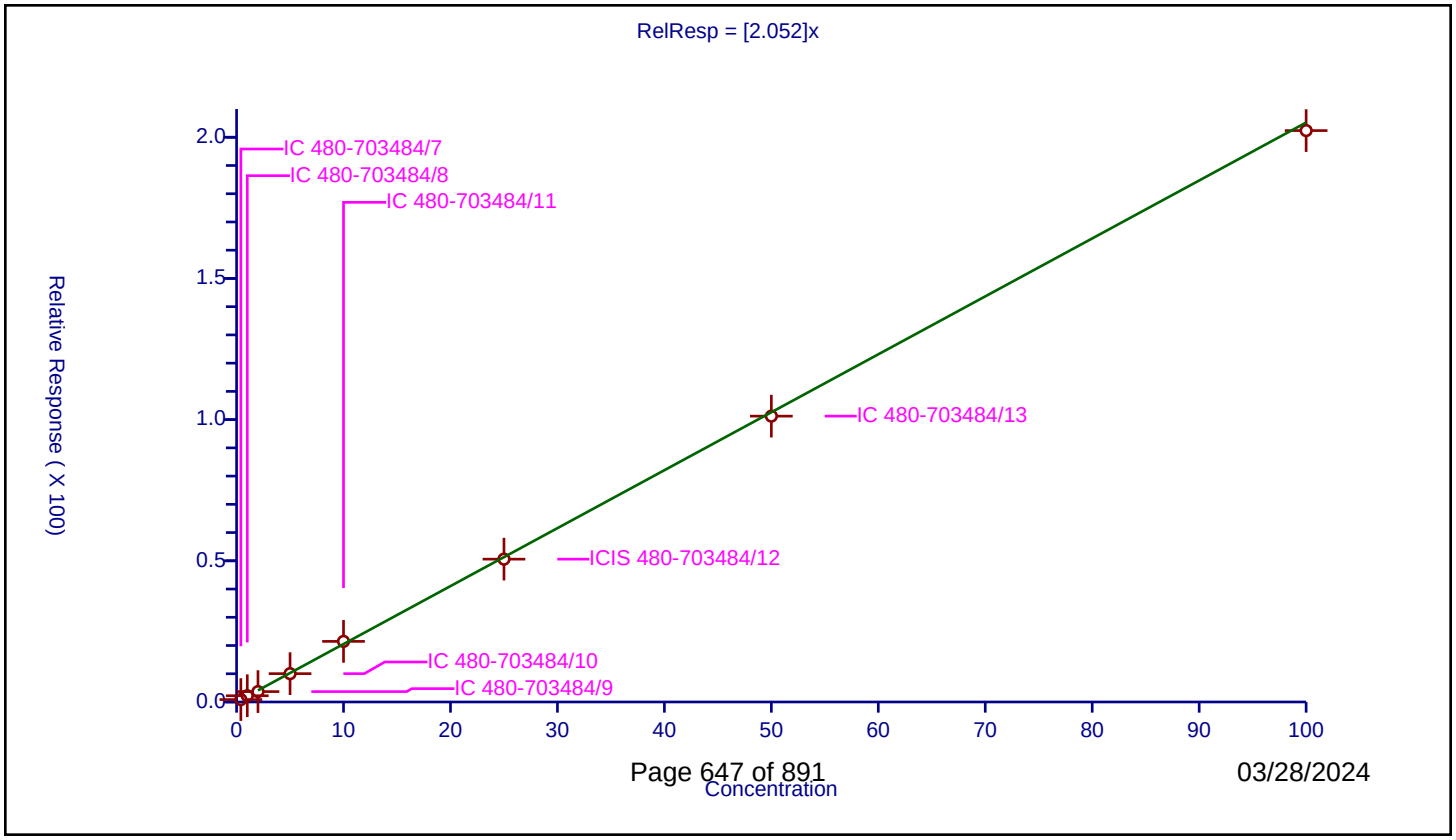
Curve Coefficients

Intercept:	0
Slope:	2.052

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.853909	25.0	139037.0	2.134773	Y
2	IC 480-703484/8	1.0	2.217804	25.0	148266.0	2.217804	Y
3	IC 480-703484/9	2.0	3.679411	25.0	162295.0	1.839705	Y
4	IC 480-703484/10	5.0	10.030745	25.0	157912.0	2.006149	Y
5	IC 480-703484/11	10.0	21.460467	25.0	143324.0	2.146047	Y
6	ICIS 480-703484/12	25.0	50.58904	25.0	160388.0	2.023562	Y
7	IC 480-703484/13	50.0	101.235162	25.0	155931.0	2.024703	Y
8	IC 480-703484/14	100.0	202.360645	25.0	154820.0	2.023606	Y



Calibration / Vinyl chloride

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

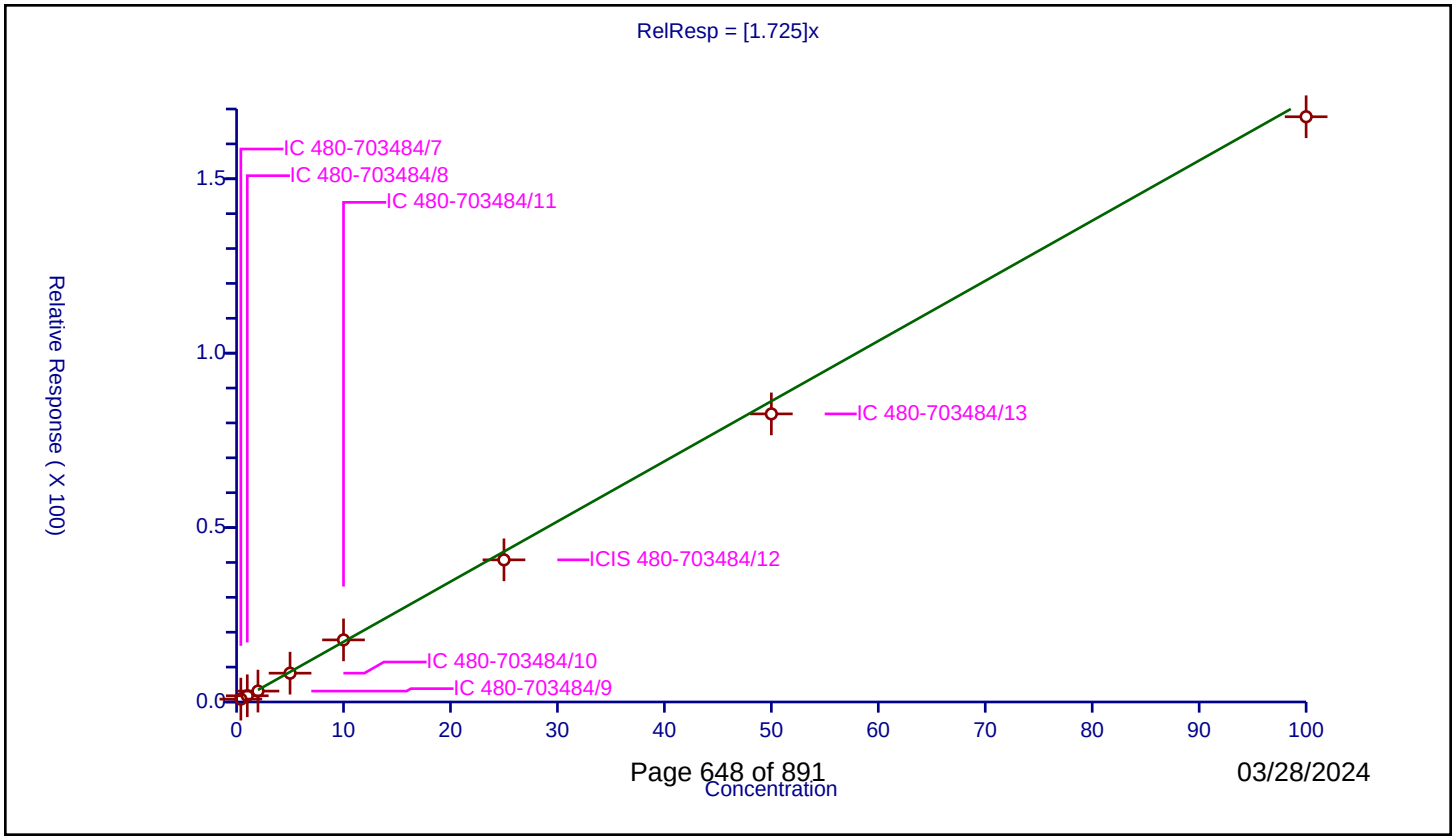
Curve Coefficients

Intercept:	0
Slope:	1.725

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.823702	25.0	139037.0	2.059254	Y
2	IC 480-703484/8	1.0	1.784968	25.0	148266.0	1.784968	Y
3	IC 480-703484/9	2.0	3.125327	25.0	162295.0	1.562664	Y
4	IC 480-703484/10	5.0	8.256972	25.0	157912.0	1.651394	Y
5	IC 480-703484/11	10.0	17.800752	25.0	143324.0	1.780075	Y
6	ICIS 480-703484/12	25.0	40.749464	25.0	160388.0	1.629979	Y
7	IC 480-703484/13	50.0	82.591499	25.0	155931.0	1.65183	Y
8	IC 480-703484/14	100.0	167.782425	25.0	154820.0	1.677824	Y



Calibration / Butadiene

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

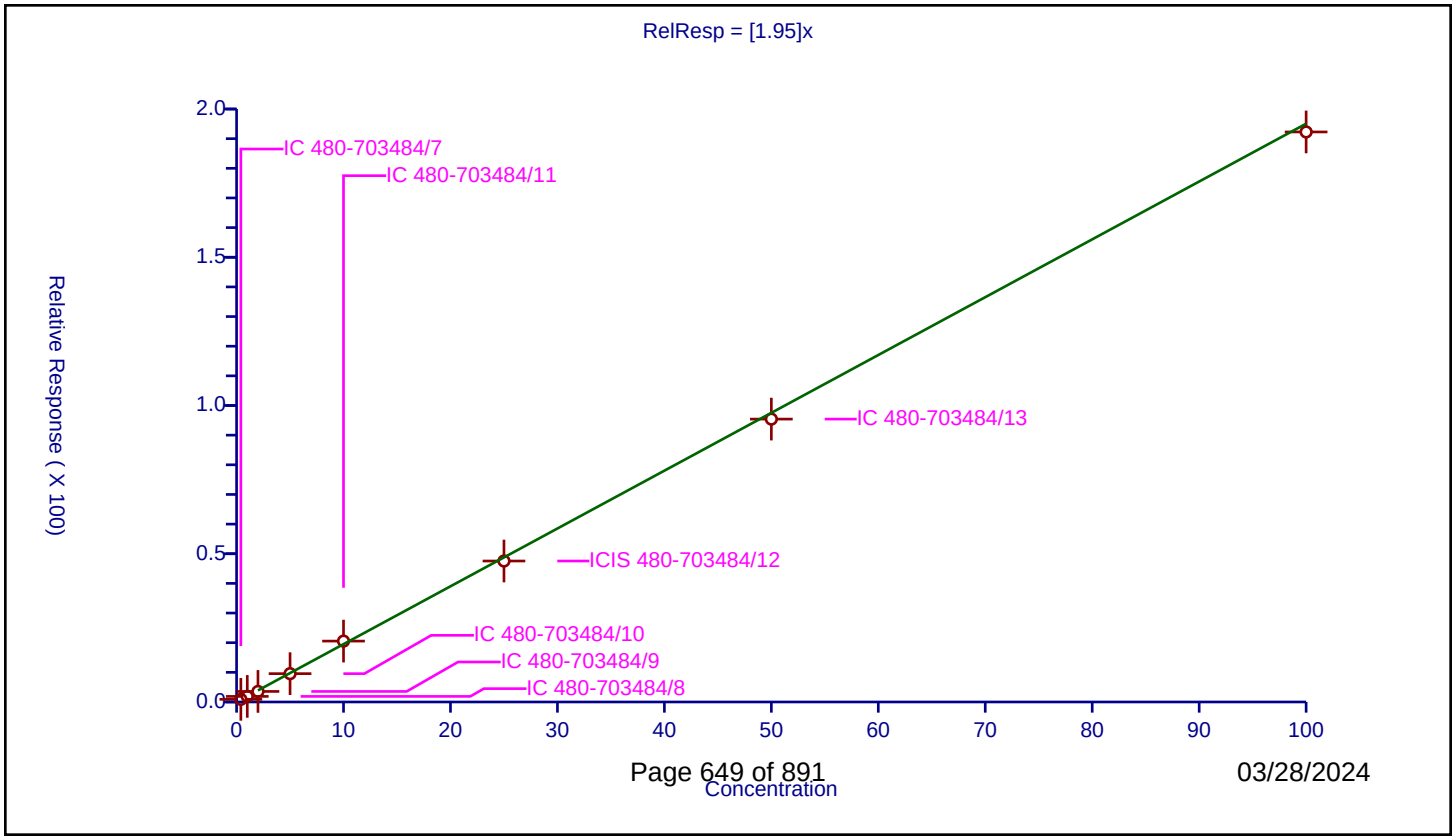
Curve Coefficients

Intercept:	0
Slope:	1.95

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.896524	25.0	139037.0	2.24131	Y
2	IC 480-703484/8	1.0	1.887317	25.0	148266.0	1.887317	Y
3	IC 480-703484/9	2.0	3.555562	25.0	162295.0	1.777781	Y
4	IC 480-703484/10	5.0	9.553106	25.0	157912.0	1.910621	Y
5	IC 480-703484/11	10.0	20.536512	25.0	143324.0	2.053651	Y
6	ICIS 480-703484/12	25.0	47.54938	25.0	160388.0	1.901975	Y
7	IC 480-703484/13	50.0	95.415921	25.0	155931.0	1.908318	Y
8	IC 480-703484/14	100.0	192.268764	25.0	154820.0	1.922688	Y



Calibration / Bromomethane

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

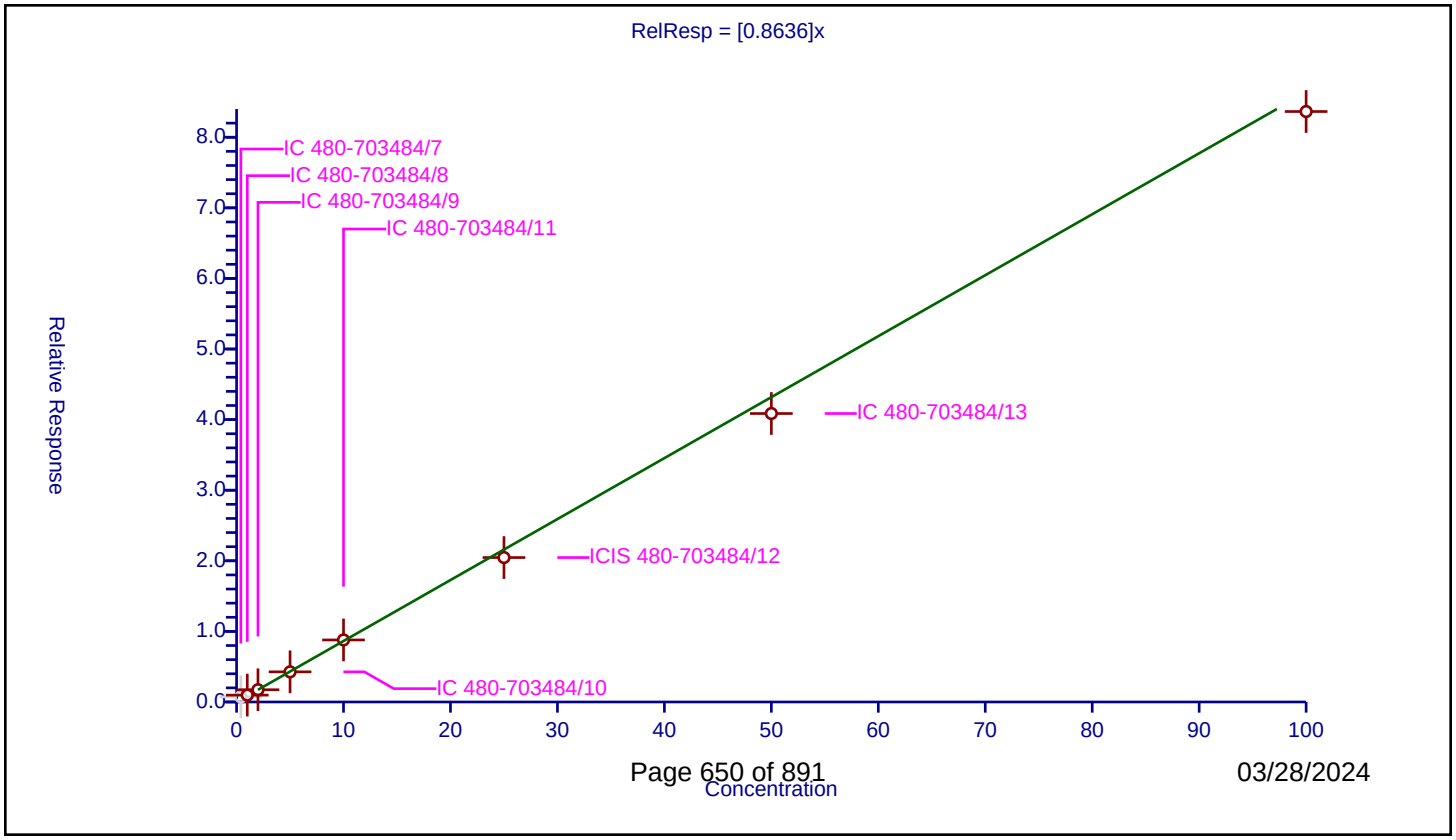
Curve Coefficients

Intercept:	0
Slope:	0.8636

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.73182	25.0	139037.0	1.829549	N
2	IC 480-703484/8	1.0	0.971733	25.0	148266.0	0.971733	Y
3	IC 480-703484/9	2.0	1.737269	25.0	162295.0	0.868634	Y
4	IC 480-703484/10	5.0	4.269941	25.0	157912.0	0.853988	Y
5	IC 480-703484/11	10.0	8.790224	25.0	143324.0	0.879022	Y
6	ICIS 480-703484/12	25.0	20.460072	25.0	160388.0	0.818403	Y
7	IC 480-703484/13	50.0	40.862946	25.0	155931.0	0.817259	Y
8	IC 480-703484/14	100.0	83.644716	25.0	154820.0	0.836447	Y



Calibration / Chloroethane

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

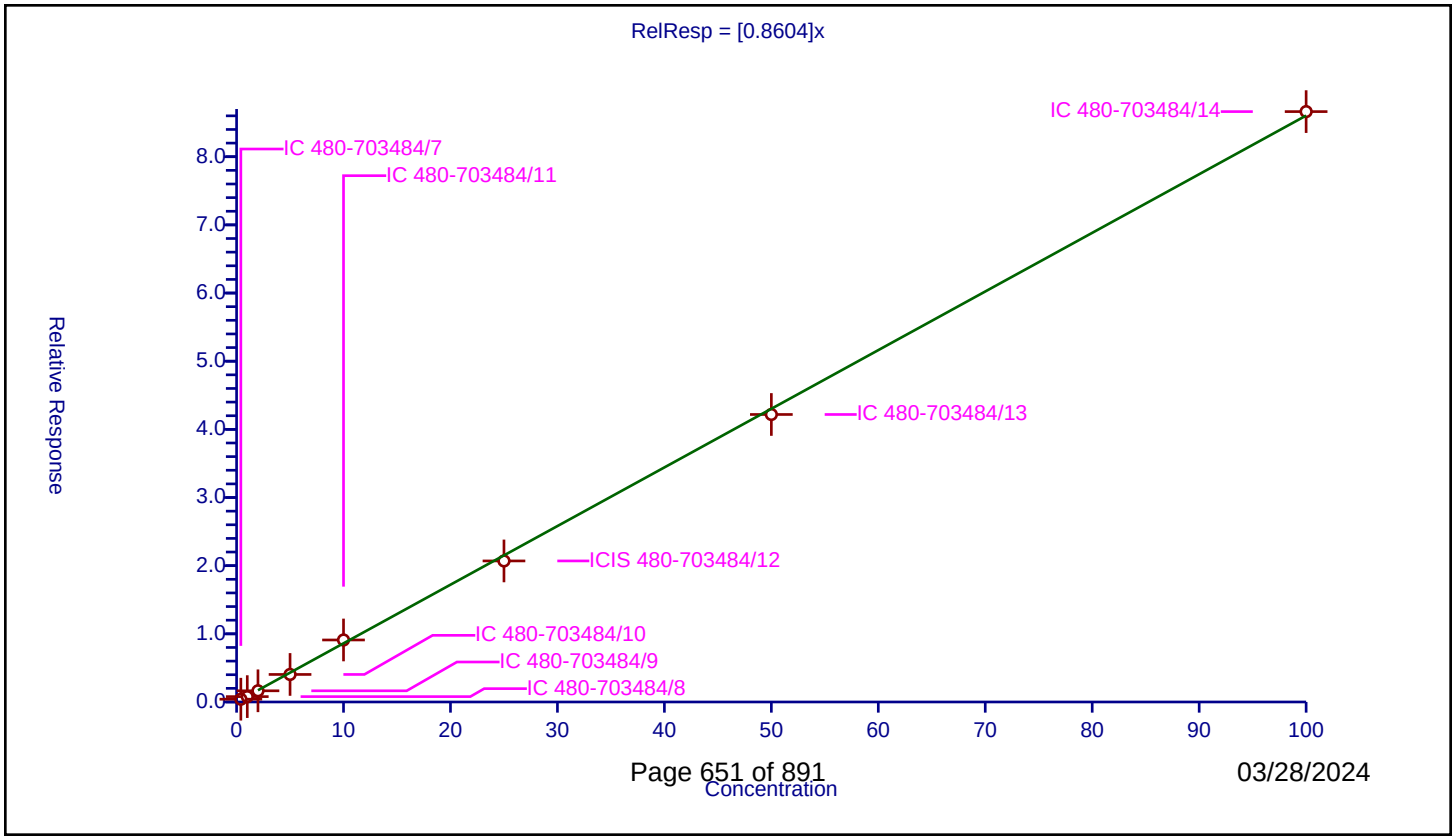
Curve Coefficients

Intercept:	0
Slope:	0.8604

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.407086	25.0	139037.0	1.017715	Y
2	IC 480-703484/8	1.0	0.789797	25.0	148266.0	0.789797	Y
3	IC 480-703484/9	2.0	1.640377	25.0	162295.0	0.820189	Y
4	IC 480-703484/10	5.0	4.039117	25.0	157912.0	0.807823	Y
5	IC 480-703484/11	10.0	9.098092	25.0	143324.0	0.909809	Y
6	ICIS 480-703484/12	25.0	20.694036	25.0	160388.0	0.827761	Y
7	IC 480-703484/13	50.0	42.181959	25.0	155931.0	0.843639	Y
8	IC 480-703484/14	100.0	86.621883	25.0	154820.0	0.866219	Y



Calibration / Dichlorofluoromethane

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

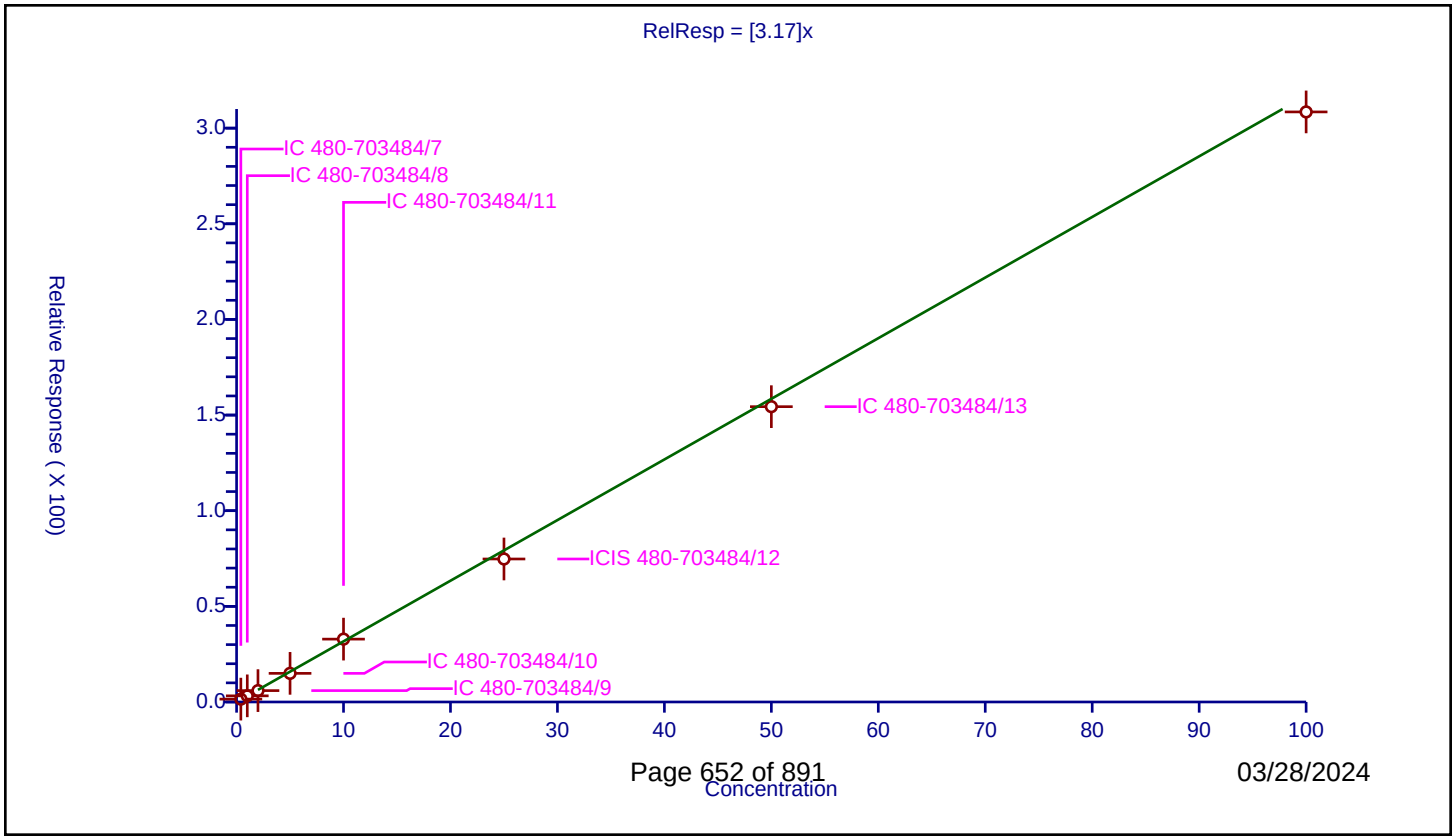
Curve Coefficients

Intercept:	0
Slope:	3.17

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	1.492229	25.0	139037.0	3.730572	Y
2	IC 480-703484/8	1.0	3.210109	25.0	148266.0	3.210109	Y
3	IC 480-703484/9	2.0	5.94473	25.0	162295.0	2.972365	Y
4	IC 480-703484/10	5.0	14.971313	25.0	157912.0	2.994263	Y
5	IC 480-703484/11	10.0	32.865919	25.0	143324.0	3.286592	Y
6	ICIS 480-703484/12	25.0	74.764633	25.0	160388.0	2.990585	Y
7	IC 480-703484/13	50.0	154.393129	25.0	155931.0	3.087863	Y
8	IC 480-703484/14	100.0	308.476134	25.0	154820.0	3.084761	Y



Calibration / Trichlorofluoromethane

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

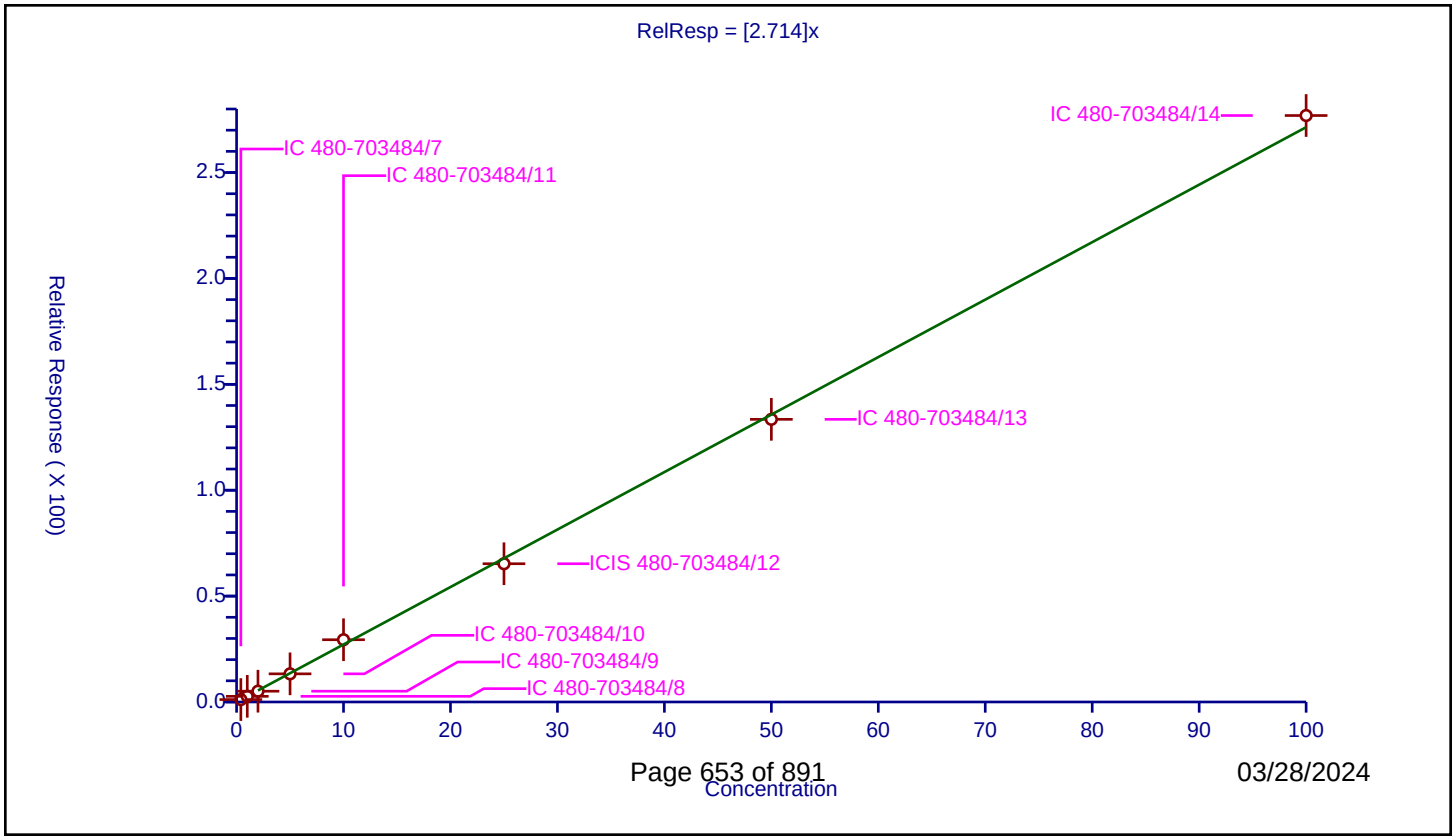
Curve Coefficients

Intercept:	0
Slope:	2.714

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	1.137287	25.0	139037.0	2.843218	Y
2	IC 480-703484/8	1.0	2.674416	25.0	148266.0	2.674416	Y
3	IC 480-703484/9	2.0	5.093657	25.0	162295.0	2.546828	Y
4	IC 480-703484/10	5.0	13.290947	25.0	157912.0	2.658189	Y
5	IC 480-703484/11	10.0	29.395984	25.0	143324.0	2.939598	Y
6	ICIS 480-703484/12	25.0	65.283562	25.0	160388.0	2.611342	Y
7	IC 480-703484/13	50.0	133.468489	25.0	155931.0	2.66937	Y
8	IC 480-703484/14	100.0	276.924331	25.0	154820.0	2.769243	Y



Calibration / Ethyl ether

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

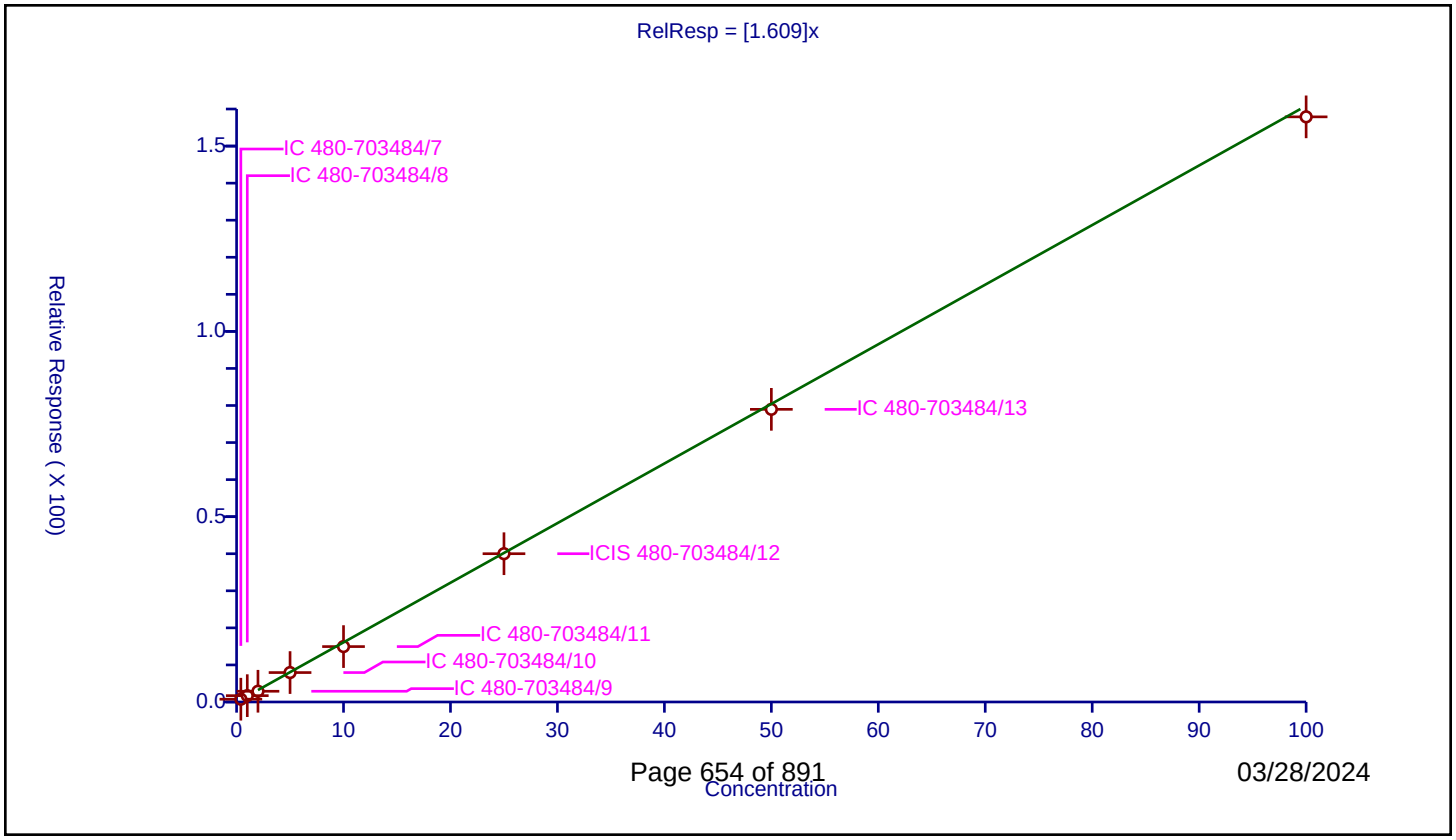
Curve Coefficients

Intercept:	0
Slope:	1.609

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.74998	25.0	139037.0	1.874951	Y
2	IC 480-703484/8	1.0	1.705381	25.0	148266.0	1.705381	Y
3	IC 480-703484/9	2.0	2.894883	25.0	162295.0	1.447441	Y
4	IC 480-703484/10	5.0	7.939074	25.0	157912.0	1.587815	Y
5	IC 480-703484/11	10.0	14.946904	25.0	143324.0	1.49469	Y
6	ICIS 480-703484/12	25.0	40.007045	25.0	160388.0	1.600282	Y
7	IC 480-703484/13	50.0	78.964734	25.0	155931.0	1.579295	Y
8	IC 480-703484/14	100.0	157.886094	25.0	154820.0	1.578861	Y



Calibration / Acrolein

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

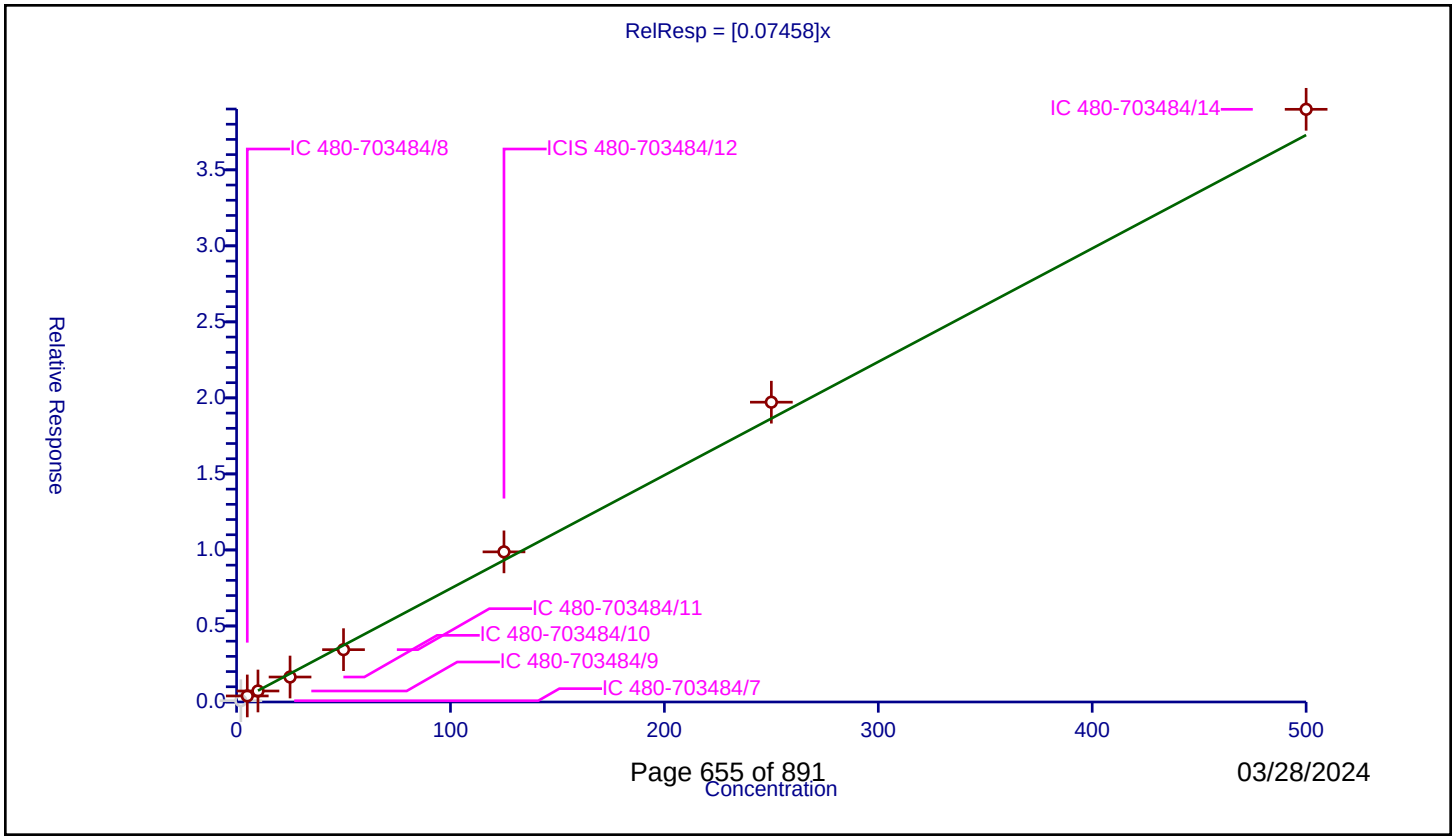
Curve Coefficients

Intercept:	0
Slope:	0.07458

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	2.0	0.082712	25.0	139037.0	0.041356	N
2	IC 480-703484/8	5.0	0.396416	25.0	148266.0	0.079283	Y
3	IC 480-703484/9	10.0	0.723836	25.0	162295.0	0.072384	Y
4	IC 480-703484/10	25.0	1.642212	25.0	157912.0	0.065688	Y
5	IC 480-703484/11	50.0	3.44255	25.0	143324.0	0.068851	Y
6	ICIS 480-703484/12	125.0	9.873868	25.0	160388.0	0.078991	Y
7	IC 480-703484/13	250.0	19.717215	25.0	155931.0	0.078869	Y
8	IC 480-703484/14	500.0	38.980752	25.0	154820.0	0.077962	Y



Calibration / 1,1-Dichloroethene

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

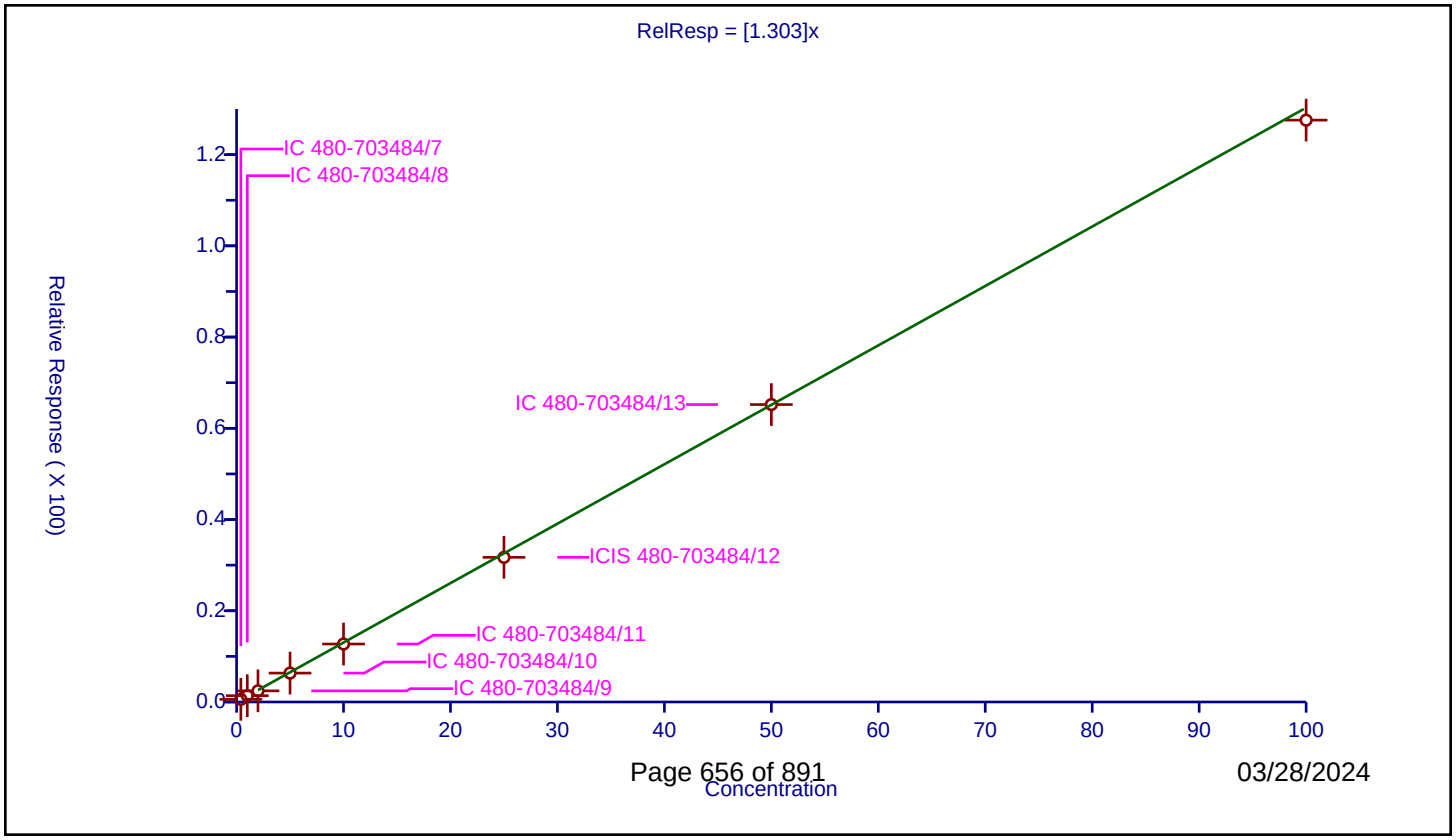
Curve Coefficients

Intercept:	0
Slope:	1.303

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.573409	25.0	139037.0	1.433521	Y
2	IC 480-703484/8	1.0	1.382481	25.0	148266.0	1.382481	Y
3	IC 480-703484/9	2.0	2.442004	25.0	162295.0	1.221002	Y
4	IC 480-703484/10	5.0	6.334066	25.0	157912.0	1.266813	Y
5	IC 480-703484/11	10.0	12.707746	25.0	143324.0	1.270775	Y
6	ICIS 480-703484/12	25.0	31.709978	25.0	160388.0	1.268399	Y
7	IC 480-703484/13	50.0	65.204481	25.0	155931.0	1.30409	Y
8	IC 480-703484/14	100.0	127.561523	25.0	154820.0	1.275615	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

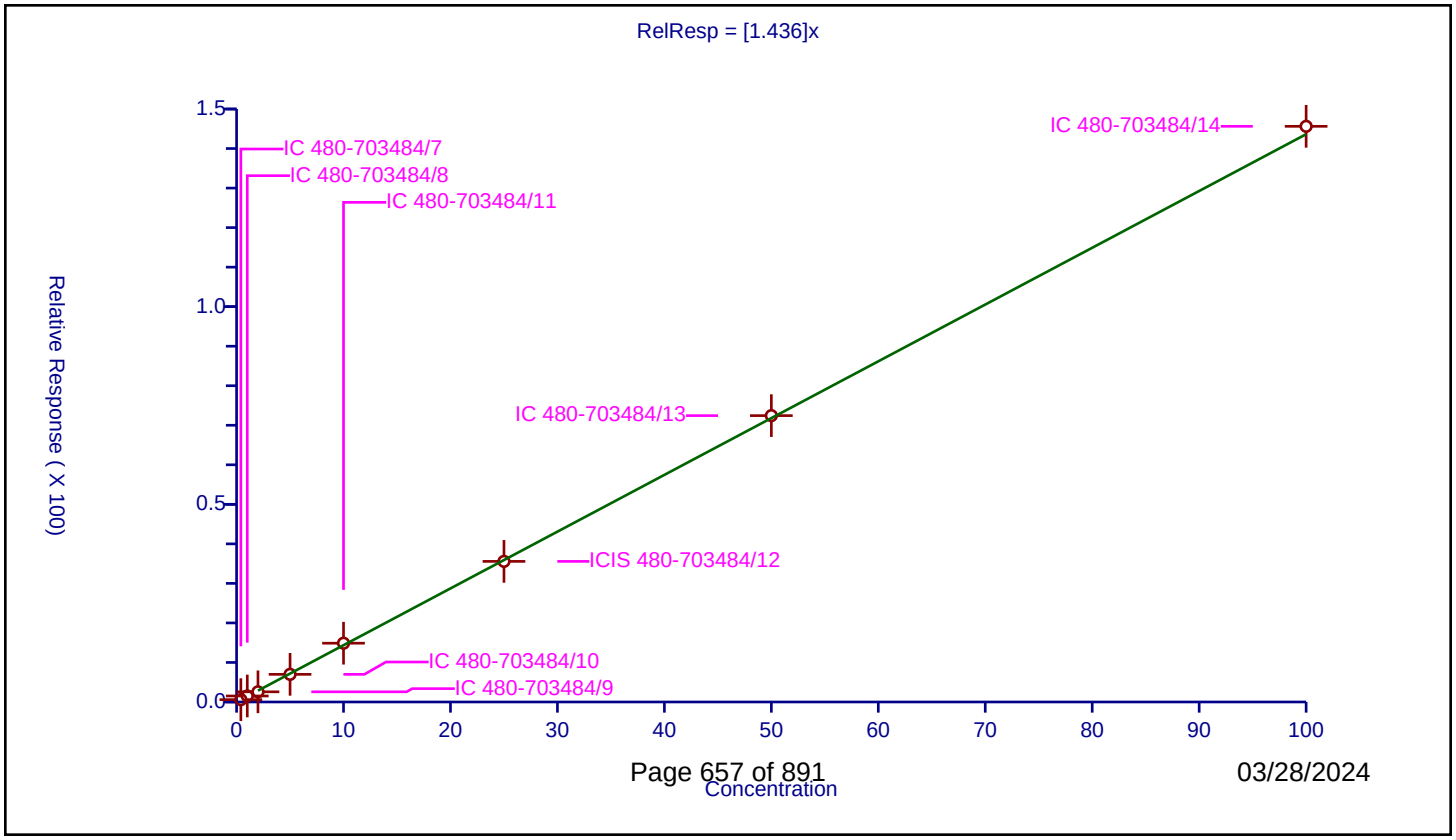
Curve Coefficients

Intercept:	0
Slope:	1.436

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.587074	25.0	139037.0	1.467685	Y
2	IC 480-703484/8	1.0	1.521758	25.0	148266.0	1.521758	Y
3	IC 480-703484/9	2.0	2.573708	25.0	162295.0	1.286854	Y
4	IC 480-703484/10	5.0	6.993452	25.0	157912.0	1.39869	Y
5	IC 480-703484/11	10.0	14.871899	25.0	143324.0	1.48719	Y
6	ICIS 480-703484/12	25.0	35.567499	25.0	160388.0	1.4227	Y
7	IC 480-703484/13	50.0	72.436206	25.0	155931.0	1.448724	Y
8	IC 480-703484/14	100.0	145.622013	25.0	154820.0	1.45622	Y



Calibration / Acetone

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

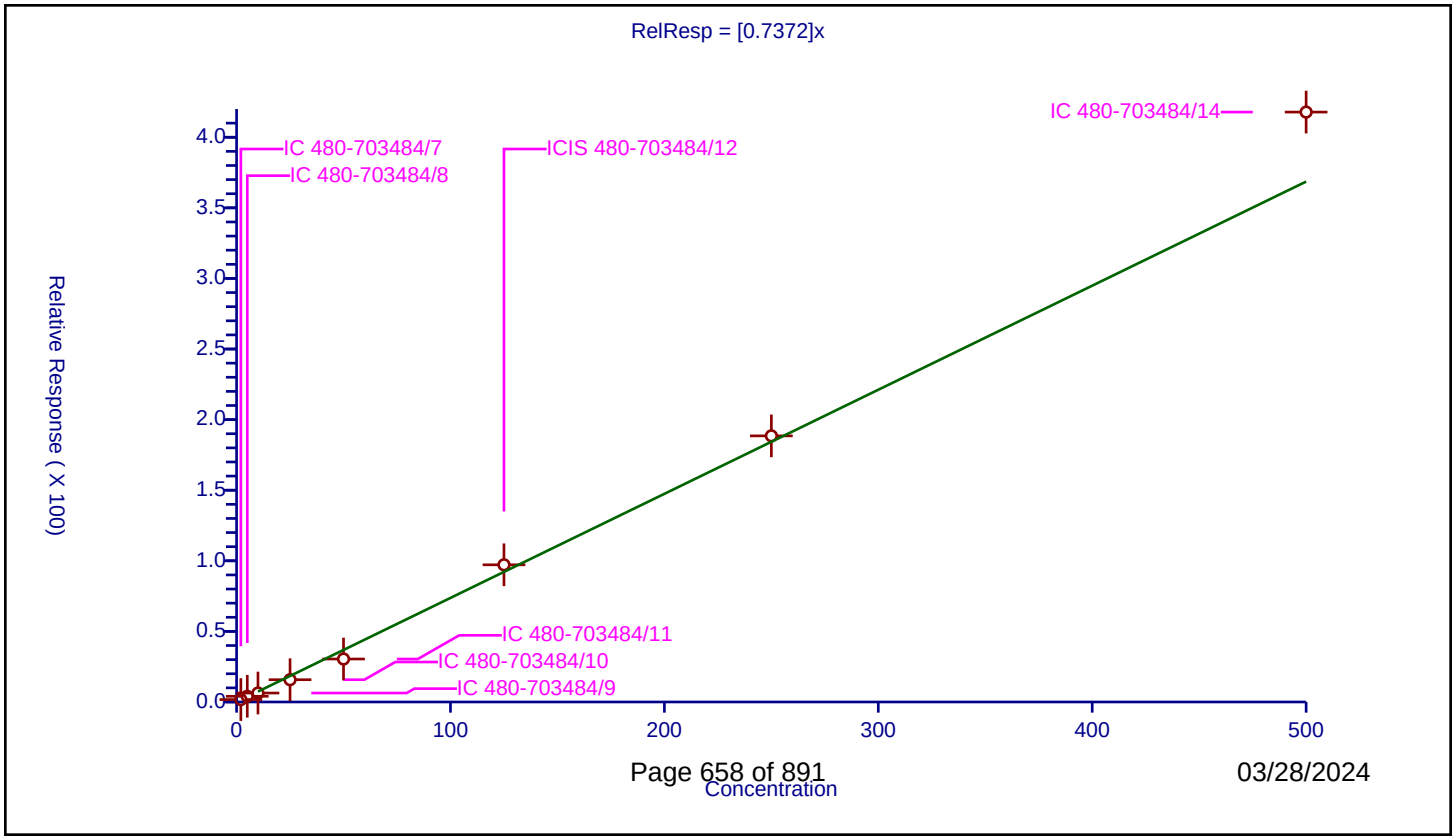
Curve Coefficients

Intercept:	0
Slope:	0.7372

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	2.0	1.700267	25.0	139037.0	0.850133	Y
2	IC 480-703484/8	5.0	4.032448	25.0	148266.0	0.80649	Y
3	IC 480-703484/9	10.0	6.335069	25.0	162295.0	0.633507	Y
4	IC 480-703484/10	25.0	15.784266	25.0	157912.0	0.631371	Y
5	IC 480-703484/11	50.0	30.441866	25.0	143324.0	0.608837	Y
6	ICIS 480-703484/12	125.0	97.175443	25.0	160388.0	0.777404	Y
7	IC 480-703484/13	250.0	188.485933	25.0	155931.0	0.753944	Y
8	IC 480-703484/14	500.0	417.835874	25.0	154820.0	0.835672	Y



Calibration / Iodomethane

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

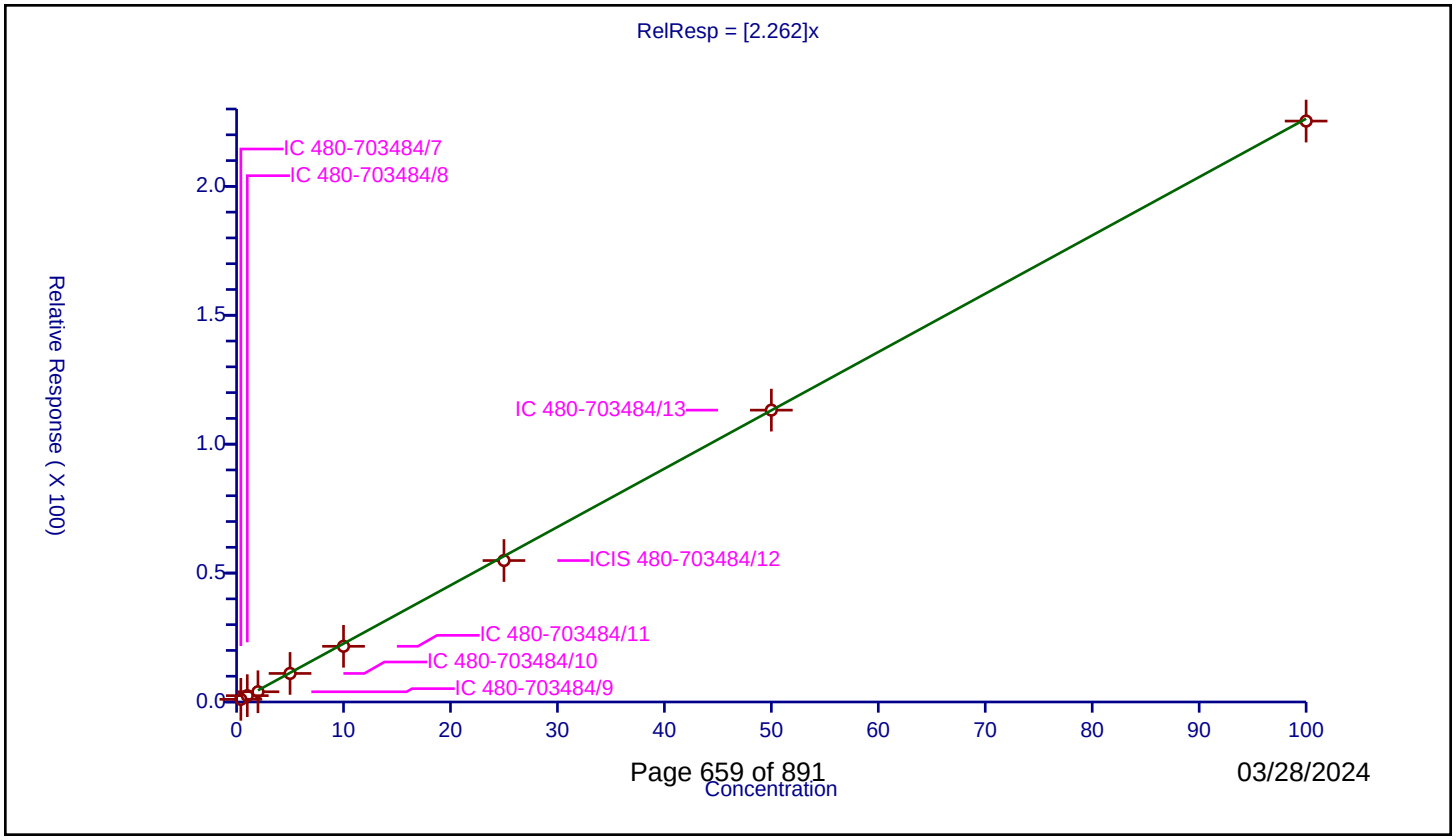
Curve Coefficients

Intercept:	0
Slope:	2.262

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	1.028144	25.0	139037.0	2.570359	Y
2	IC 480-703484/8	1.0	2.458925	25.0	148266.0	2.458925	Y
3	IC 480-703484/9	2.0	3.96608	25.0	162295.0	1.98304	Y
4	IC 480-703484/10	5.0	11.07009	25.0	157912.0	2.214018	Y
5	IC 480-703484/11	10.0	21.600011	25.0	143324.0	2.160001	Y
6	ICIS 480-703484/12	25.0	54.870844	25.0	160388.0	2.194834	Y
7	IC 480-703484/13	50.0	113.198466	25.0	155931.0	2.263969	Y
8	IC 480-703484/14	100.0	225.325216	25.0	154820.0	2.253252	Y



Calibration / Carbon disulfide

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

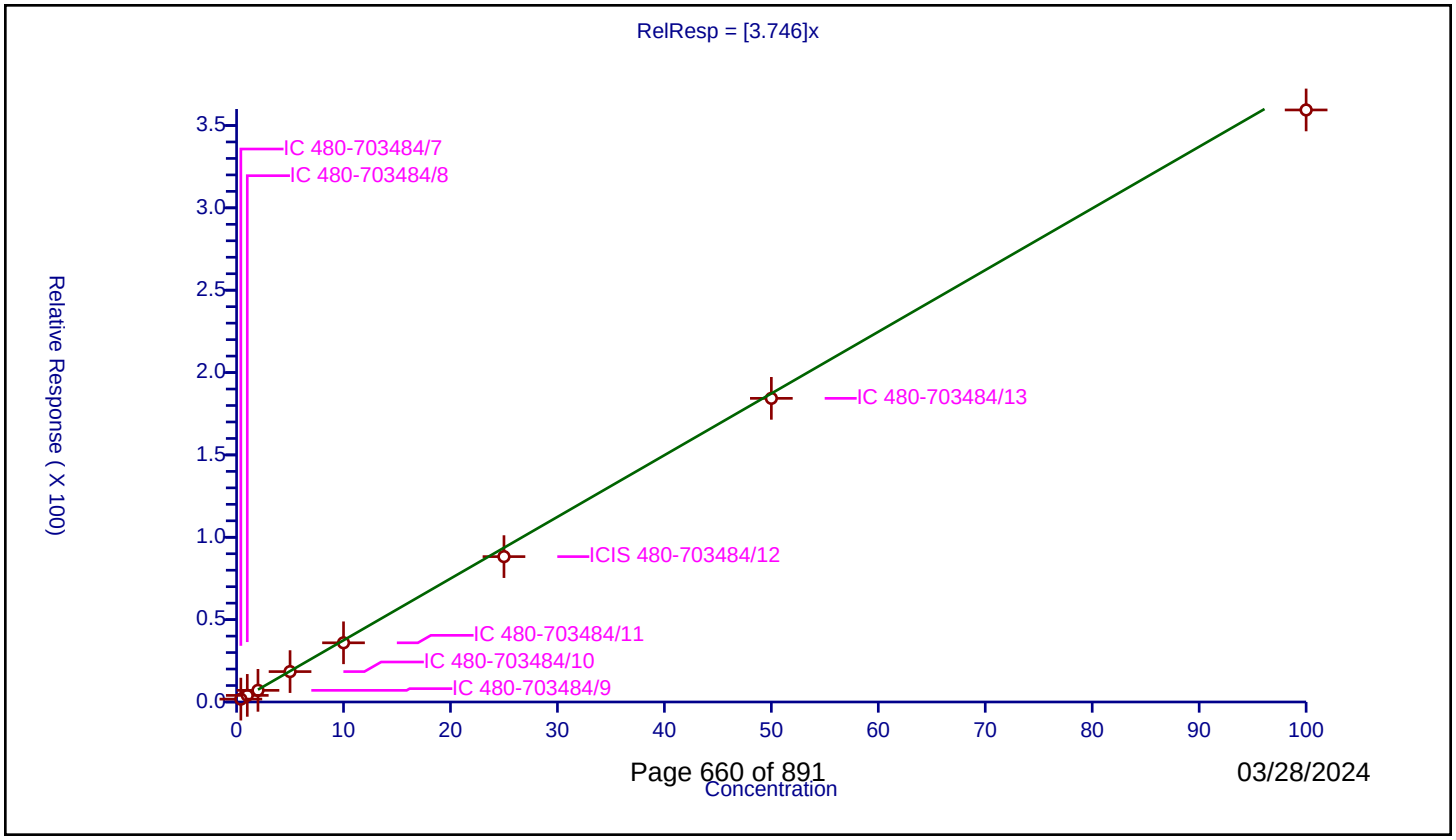
Curve Coefficients

Intercept:	0
Slope:	3.746

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	1.733891	25.0	139037.0	4.334727	Y
2	IC 480-703484/8	1.0	4.000411	25.0	148266.0	4.000411	Y
3	IC 480-703484/9	2.0	7.068918	25.0	162295.0	3.534459	Y
4	IC 480-703484/10	5.0	18.452841	25.0	157912.0	3.690568	Y
5	IC 480-703484/11	10.0	35.938677	25.0	143324.0	3.593868	Y
6	ICIS 480-703484/12	25.0	88.25068	25.0	160388.0	3.530027	Y
7	IC 480-703484/13	50.0	184.339227	25.0	155931.0	3.686785	Y
8	IC 480-703484/14	100.0	359.433697	25.0	154820.0	3.594337	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

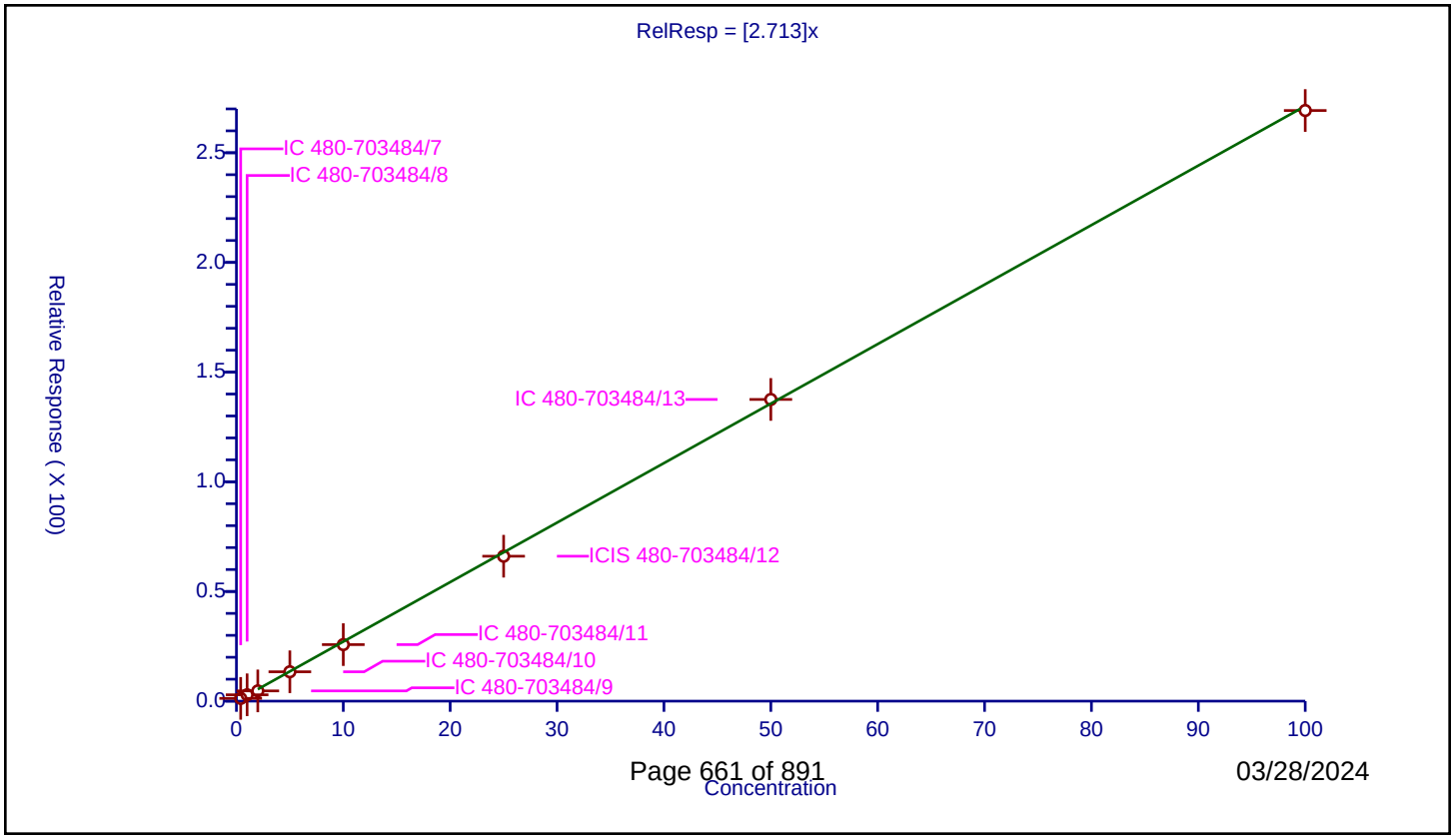
Curve Coefficients

Intercept:	0
Slope:	2.713

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	1.253983	25.0	139037.0	3.134957	Y
2	IC 480-703484/8	1.0	2.894291	25.0	148266.0	2.894291	Y
3	IC 480-703484/9	2.0	4.665116	25.0	162295.0	2.332558	Y
4	IC 480-703484/10	5.0	13.390211	25.0	157912.0	2.678042	Y
5	IC 480-703484/11	10.0	25.767841	25.0	143324.0	2.576784	Y
6	ICIS 480-703484/12	25.0	66.071651	25.0	160388.0	2.642866	Y
7	IC 480-703484/13	50.0	137.538719	25.0	155931.0	2.750774	Y
8	IC 480-703484/14	100.0	269.256879	25.0	154820.0	2.692569	Y



Calibration / Methyl acetate

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

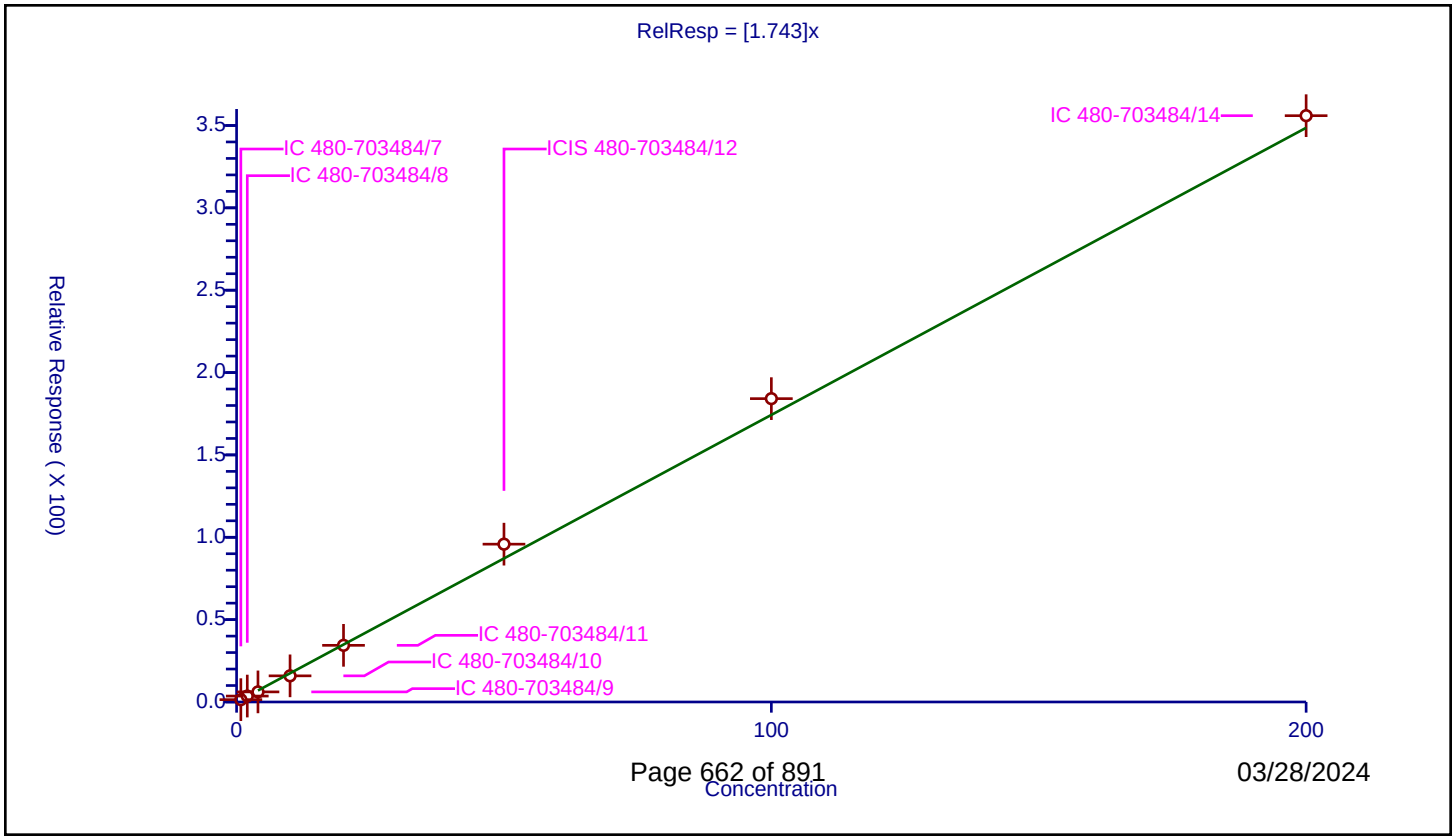
Curve Coefficients

Intercept:	0
Slope:	1.743

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.8	1.414192	25.0	139037.0	1.76774	Y
2	IC 480-703484/8	2.0	3.5986	25.0	148266.0	1.7993	Y
3	IC 480-703484/9	4.0	6.124033	25.0	162295.0	1.531008	Y
4	IC 480-703484/10	10.0	15.879889	25.0	157912.0	1.587989	Y
5	IC 480-703484/11	20.0	34.389565	25.0	143324.0	1.719478	Y
6	ICIS 480-703484/12	50.0	95.822163	25.0	160388.0	1.916443	Y
7	IC 480-703484/13	100.0	184.159821	25.0	155931.0	1.841598	Y
8	IC 480-703484/14	200.0	355.945453	25.0	154820.0	1.779727	Y



Calibration / Methylene Chloride

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

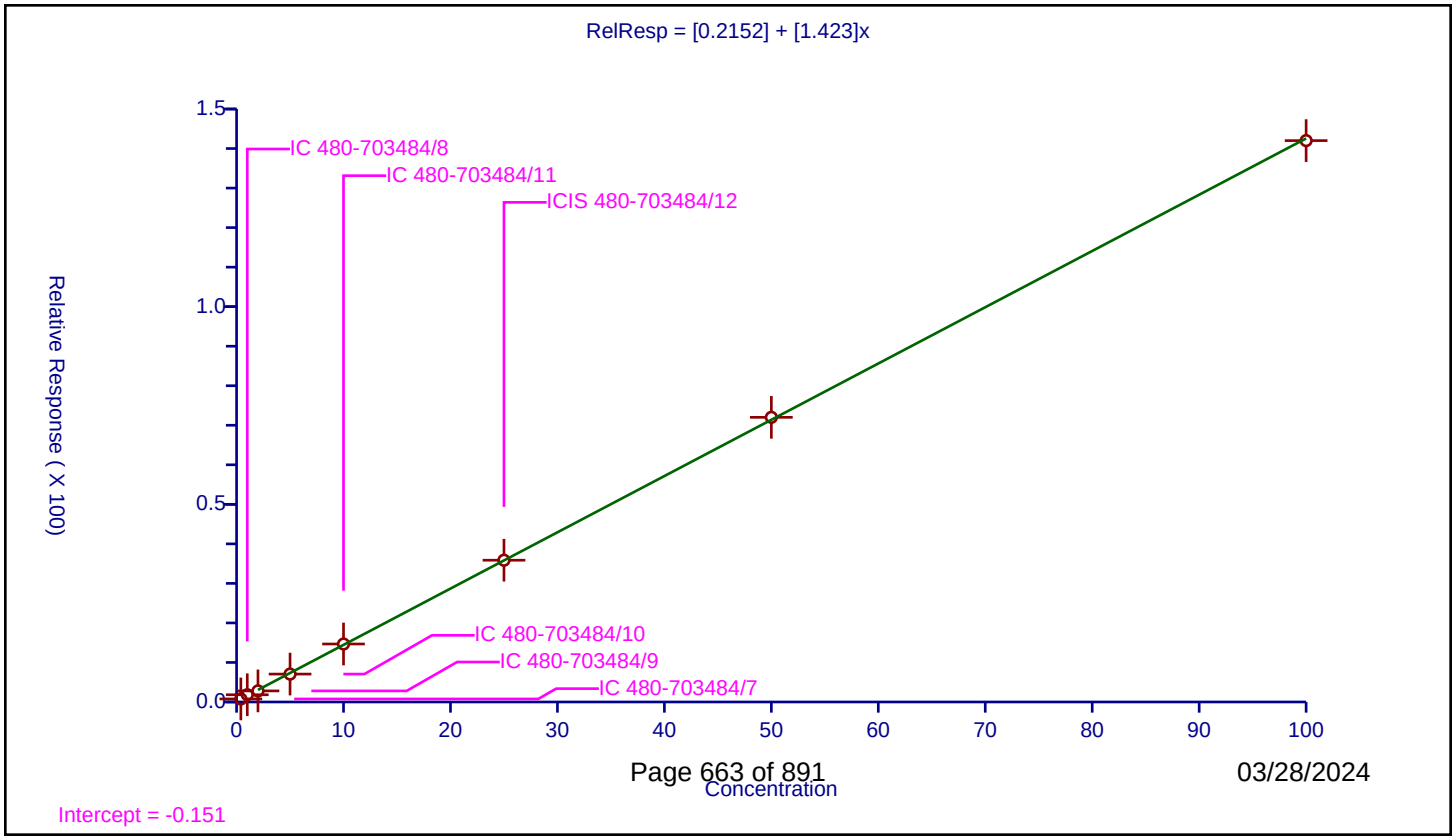
Curve Coefficients

Intercept:	0.2152
Slope:	1.423

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.7694	25.0	139037.0	1.923499	Y
2	IC 480-703484/8	1.0	1.830325	25.0	148266.0	1.830325	Y
3	IC 480-703484/9	2.0	2.80215	25.0	162295.0	1.401075	Y
4	IC 480-703484/10	5.0	7.057412	25.0	157912.0	1.411482	Y
5	IC 480-703484/11	10.0	14.665722	25.0	143324.0	1.466572	Y
6	ICIS 480-703484/12	25.0	35.860071	25.0	160388.0	1.434403	Y
7	IC 480-703484/13	50.0	72.00701	25.0	155931.0	1.44014	Y
8	IC 480-703484/14	100.0	142.00943	25.0	154820.0	1.420094	Y



Calibration / 2-Methyl-2-propanol

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

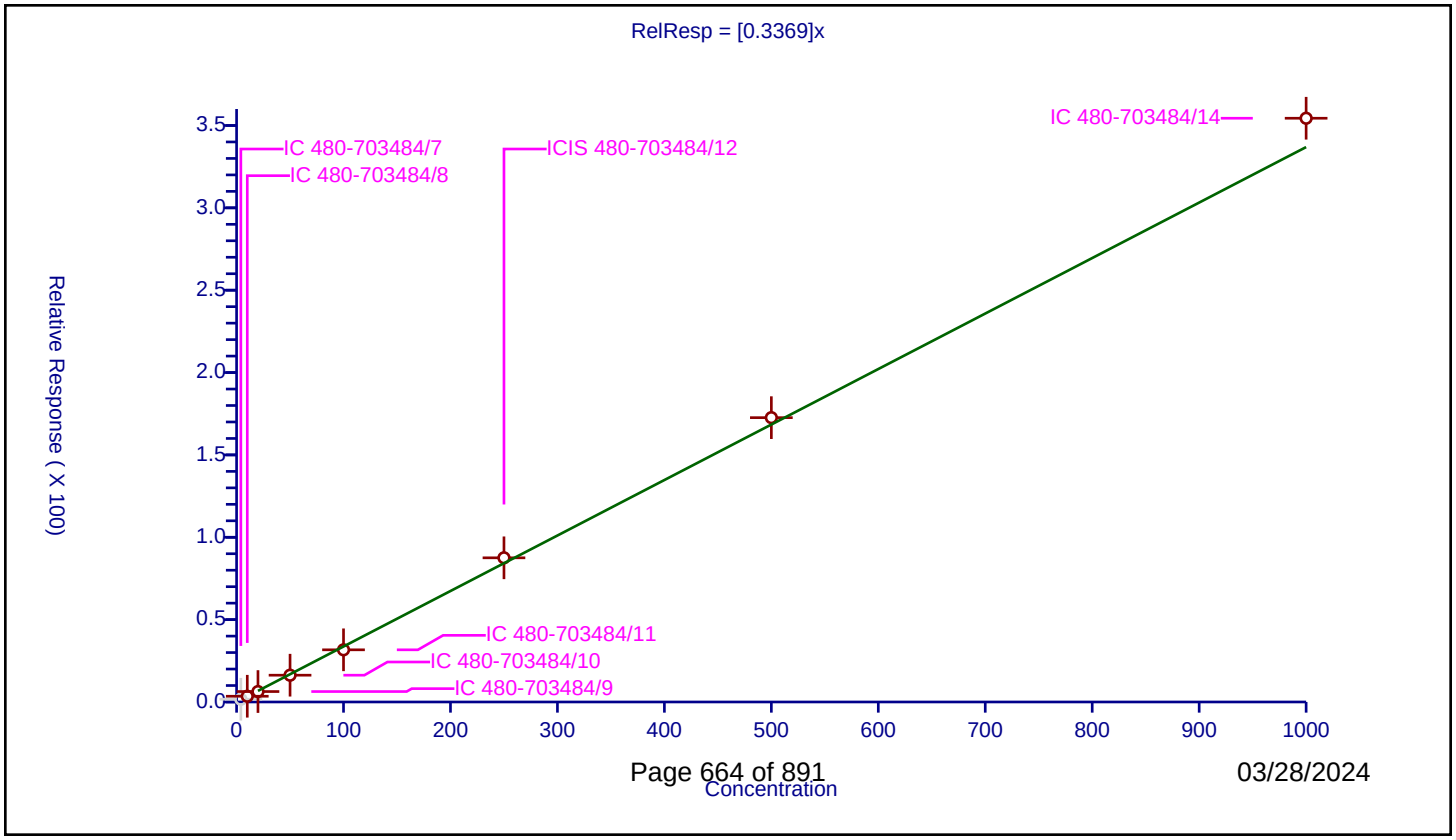
Curve Coefficients

Intercept:	0
Slope:	0.3369

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	4.0	1.667542	25.0	139037.0	0.416885	N
2	IC 480-703484/8	10.0	3.495576	25.0	148266.0	0.349558	Y
3	IC 480-703484/9	20.0	6.334915	25.0	162295.0	0.316746	Y
4	IC 480-703484/10	50.0	16.26618	25.0	157912.0	0.325324	Y
5	IC 480-703484/11	100.0	31.679272	25.0	143324.0	0.316793	Y
6	ICIS 480-703484/12	250.0	87.534292	25.0	160388.0	0.350137	Y
7	IC 480-703484/13	500.0	172.623789	25.0	155931.0	0.345248	Y
8	IC 480-703484/14	1000.0	354.395588	25.0	154820.0	0.354396	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

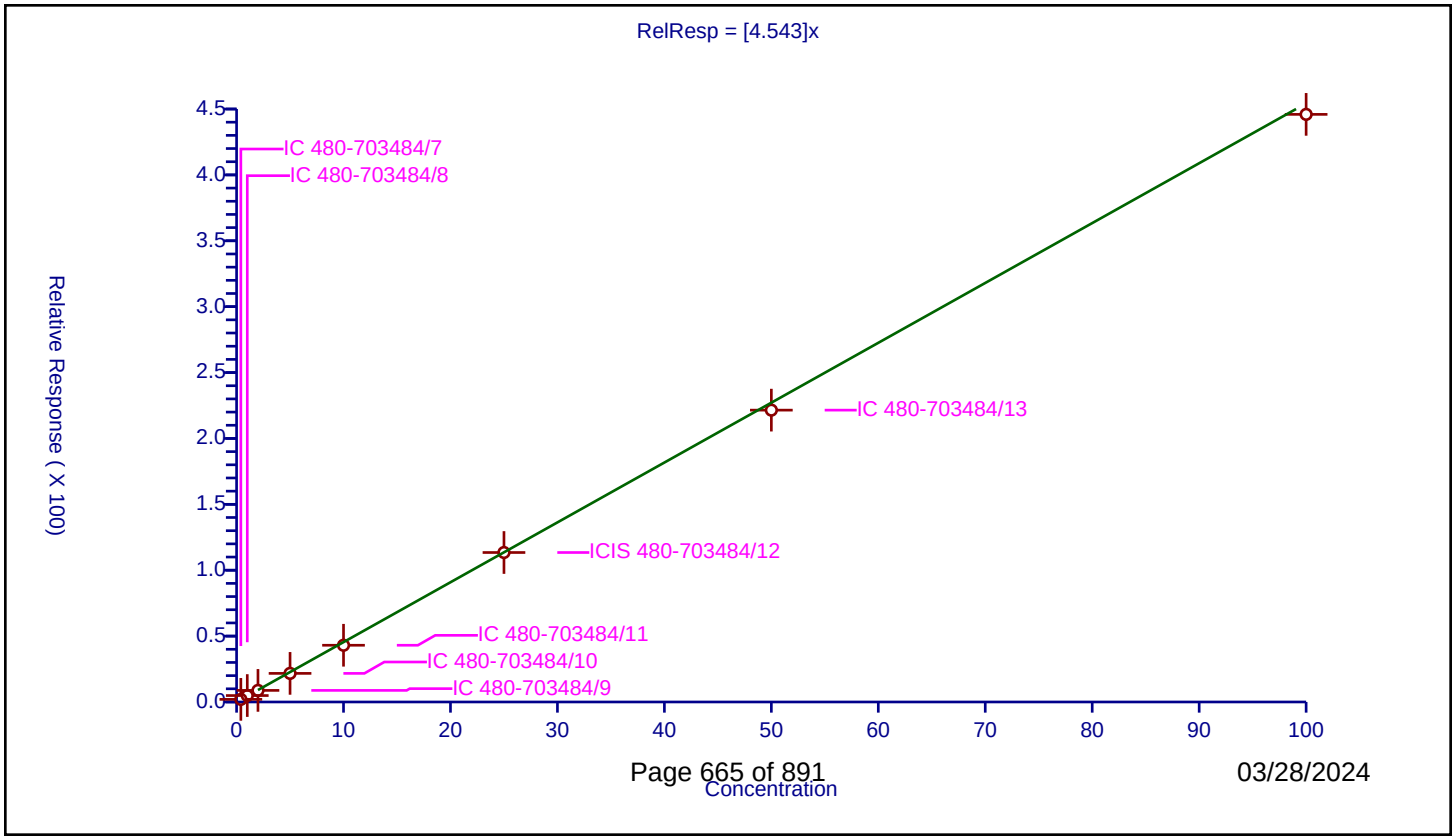
Curve Coefficients

Intercept:	0
Slope:	4.543

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	1.994433	25.0	139037.0	4.986083	Y
2	IC 480-703484/8	1.0	4.884464	25.0	148266.0	4.884464	Y
3	IC 480-703484/9	2.0	8.798638	25.0	162295.0	4.399319	Y
4	IC 480-703484/10	5.0	21.705918	25.0	157912.0	4.341184	Y
5	IC 480-703484/11	10.0	43.04635	25.0	143324.0	4.304635	Y
6	ICIS 480-703484/12	25.0	113.440064	25.0	160388.0	4.537603	Y
7	IC 480-703484/13	50.0	221.479533	25.0	155931.0	4.429591	Y
8	IC 480-703484/14	100.0	445.93205	25.0	154820.0	4.459321	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

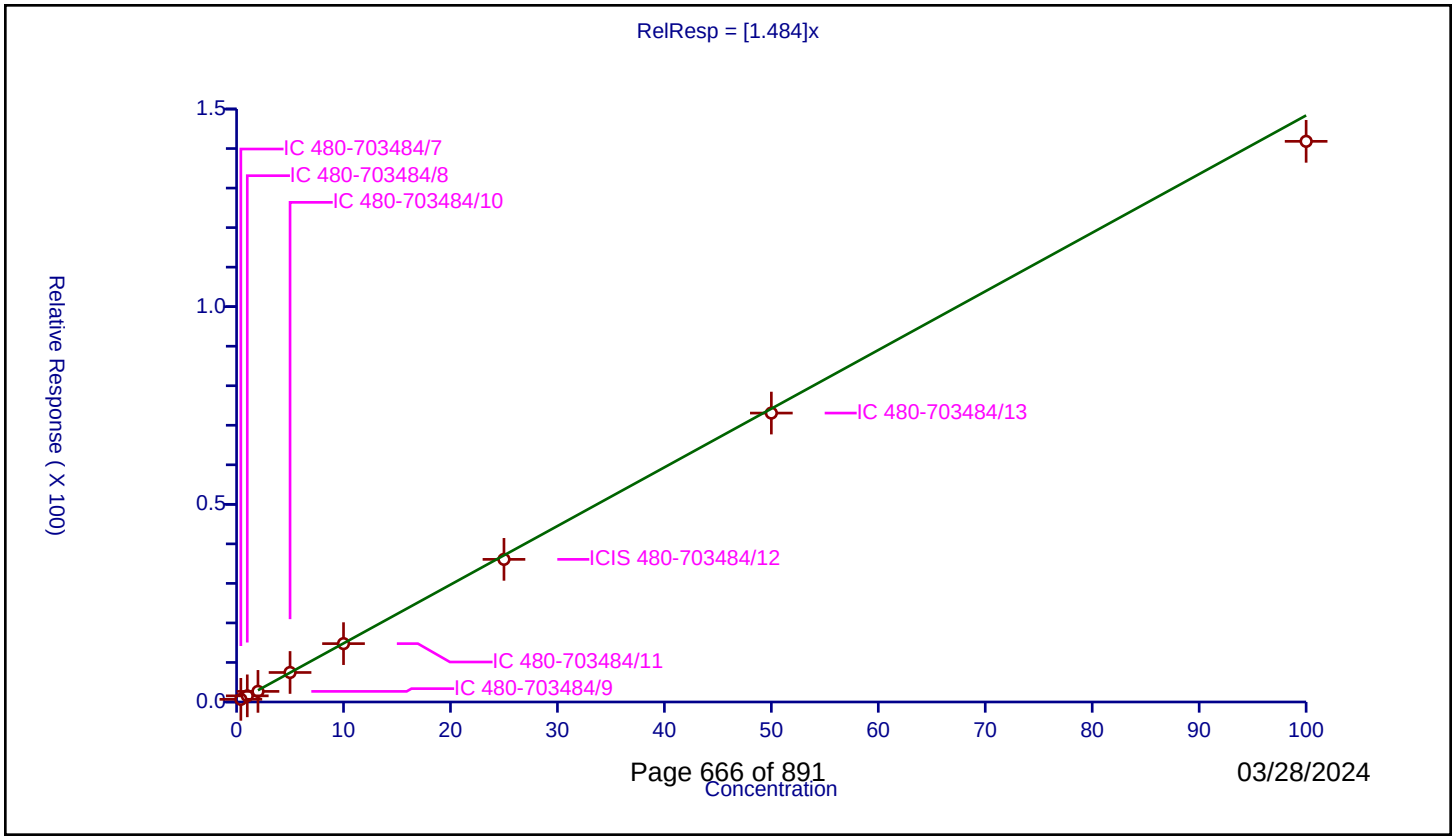
Curve Coefficients

Intercept:	0
Slope:	1.484

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.672483	25.0	139037.0	1.681207	Y
2	IC 480-703484/8	1.0	1.557842	25.0	148266.0	1.557842	Y
3	IC 480-703484/9	2.0	2.67861	25.0	162295.0	1.339305	Y
4	IC 480-703484/10	5.0	7.462384	25.0	157912.0	1.492477	Y
5	IC 480-703484/11	10.0	14.763054	25.0	143324.0	1.476305	Y
6	ICIS 480-703484/12	25.0	36.082344	25.0	160388.0	1.443294	Y
7	IC 480-703484/13	50.0	73.084249	25.0	155931.0	1.461685	Y
8	IC 480-703484/14	100.0	141.822439	25.0	154820.0	1.418224	Y



Calibration / Acrylonitrile

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

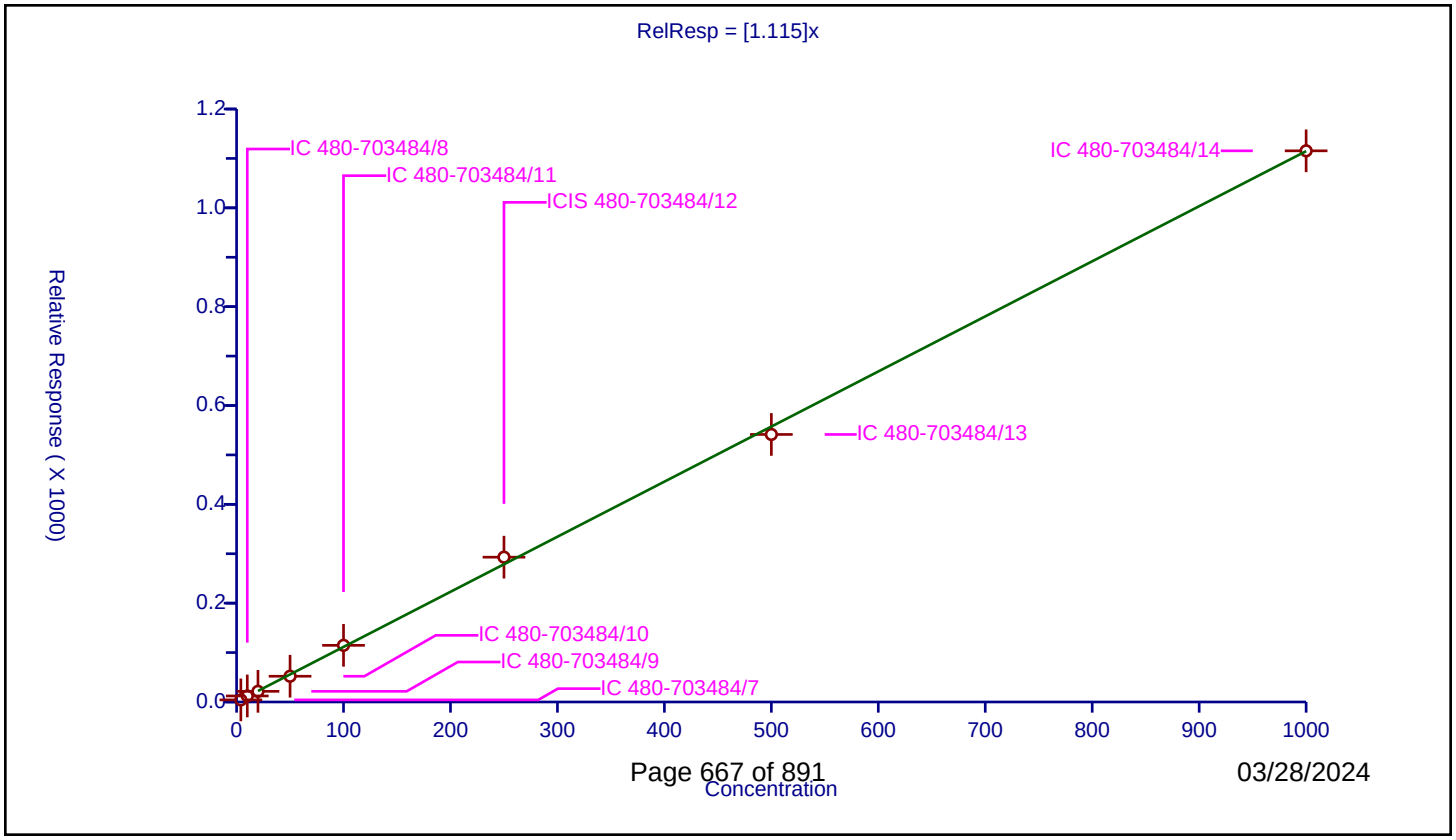
Curve Coefficients

Intercept:	0
Slope:	1.115

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	4.0	4.23844	25.0	139037.0	1.05961	Y
2	IC 480-703484/8	10.0	12.20762	25.0	148266.0	1.220762	Y
3	IC 480-703484/9	20.0	21.576296	25.0	162295.0	1.078815	Y
4	IC 480-703484/10	50.0	52.092621	25.0	157912.0	1.041852	Y
5	IC 480-703484/11	100.0	114.663804	25.0	143324.0	1.146638	Y
6	ICIS 480-703484/12	250.0	293.040159	25.0	160388.0	1.172161	Y
7	IC 480-703484/13	500.0	541.381284	25.0	155931.0	1.082763	Y
8	IC 480-703484/14	1000.0	1115.390776	25.0	154820.0	1.115391	Y



Calibration / Hexane

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

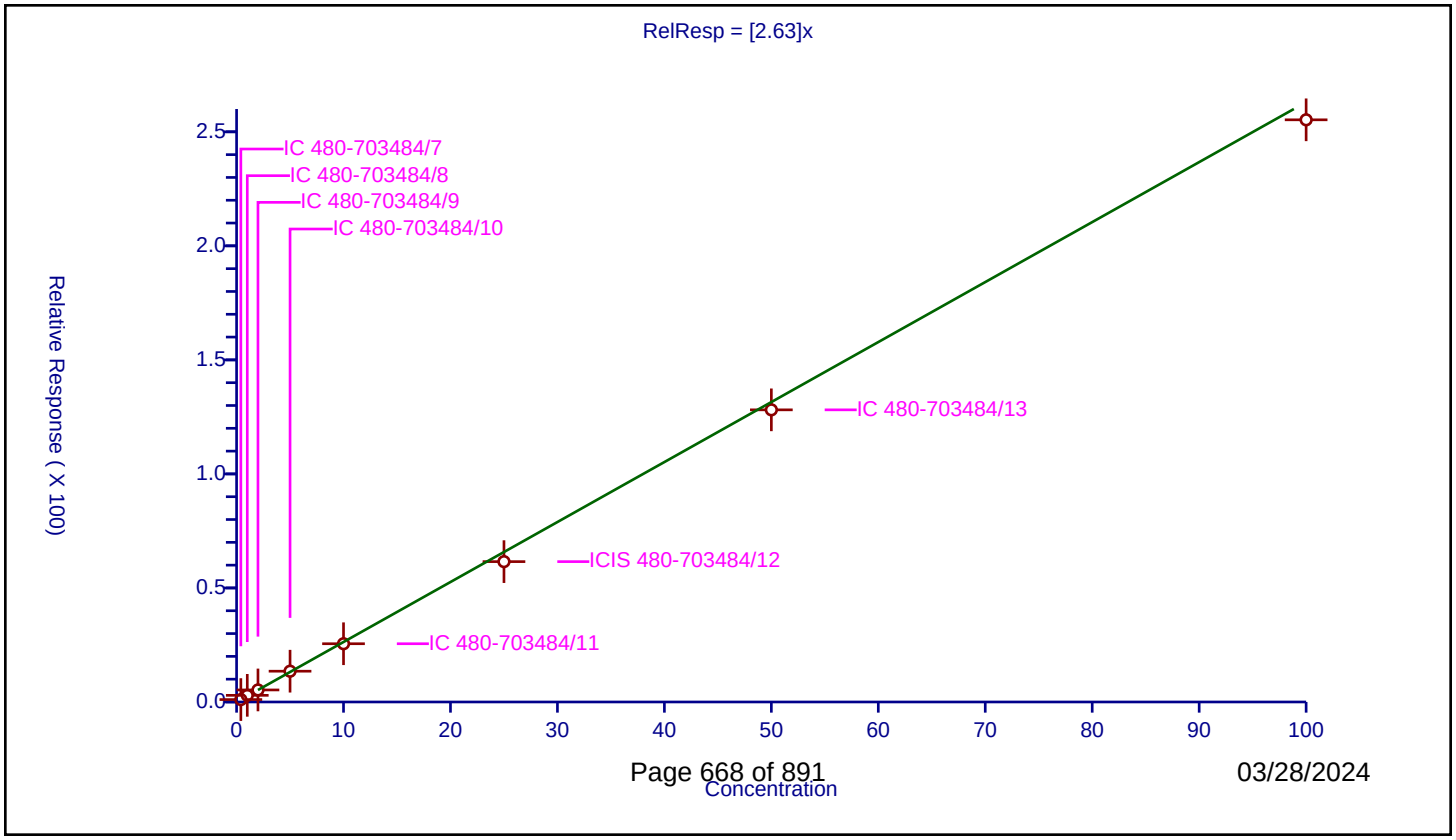
Curve Coefficients

Intercept:	0
Slope:	2.63

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	1.061768	25.0	139037.0	2.654419	Y
2	IC 480-703484/8	1.0	2.919246	25.0	148266.0	2.919246	Y
3	IC 480-703484/9	2.0	5.273576	25.0	162295.0	2.636788	Y
4	IC 480-703484/10	5.0	13.499766	25.0	157912.0	2.699953	Y
5	IC 480-703484/11	10.0	25.54771	25.0	143324.0	2.554771	Y
6	ICIS 480-703484/12	25.0	61.547622	25.0	160388.0	2.461905	Y
7	IC 480-703484/13	50.0	128.092714	25.0	155931.0	2.561854	Y
8	IC 480-703484/14	100.0	255.266923	25.0	154820.0	2.552669	Y



Calibration / 1,1-Dichloroethane

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

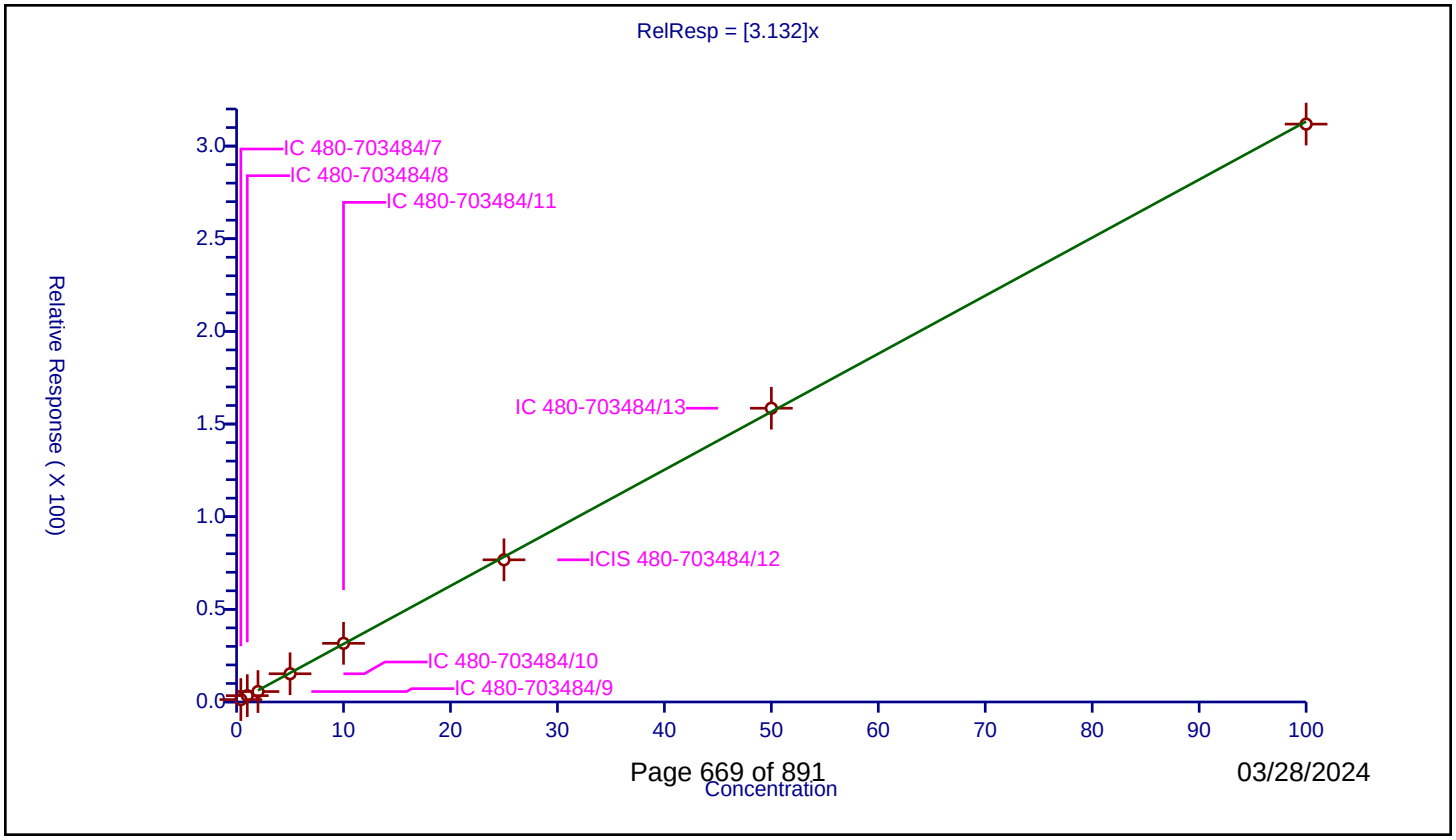
Curve Coefficients

Intercept:	0
Slope:	3.132

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	1.301272	25.0	139037.0	3.253181	Y
2	IC 480-703484/8	1.0	3.420204	25.0	148266.0	3.420204	Y
3	IC 480-703484/9	2.0	5.631874	25.0	162295.0	2.815937	Y
4	IC 480-703484/10	5.0	15.230002	25.0	157912.0	3.046	Y
5	IC 480-703484/11	10.0	31.652061	25.0	143324.0	3.165206	Y
6	ICIS 480-703484/12	25.0	76.729088	25.0	160388.0	3.069164	Y
7	IC 480-703484/13	50.0	158.529253	25.0	155931.0	3.170585	Y
8	IC 480-703484/14	100.0	311.849567	25.0	154820.0	3.118496	Y



Calibration / Vinyl acetate

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

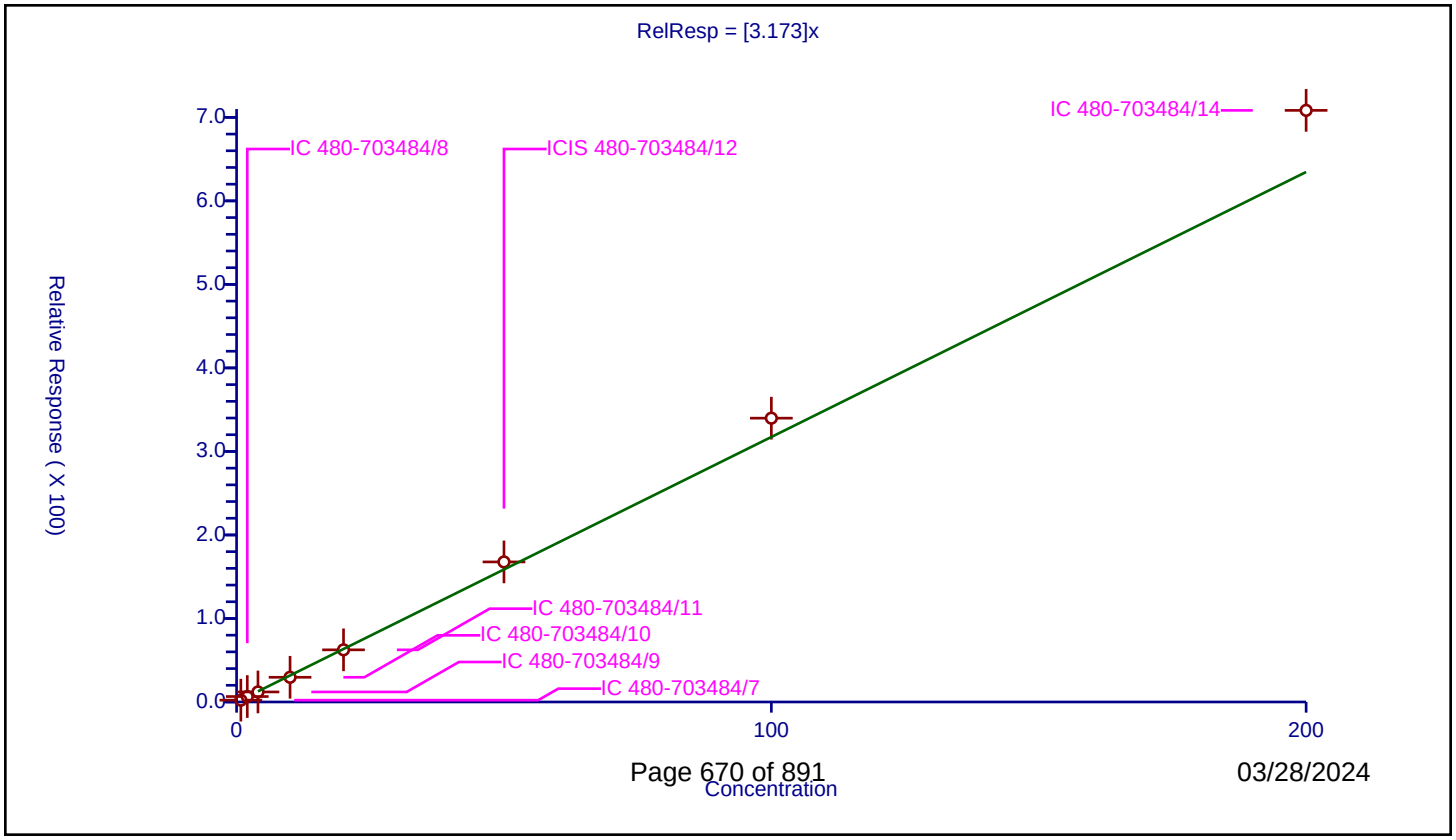
Curve Coefficients

Intercept:	0
Slope:	3.173

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.8	2.193481	25.0	139037.0	2.741851	Y
2	IC 480-703484/8	2.0	6.524422	25.0	148266.0	3.262211	Y
3	IC 480-703484/9	4.0	12.018855	25.0	162295.0	3.004714	Y
4	IC 480-703484/10	10.0	29.580241	25.0	157912.0	2.958024	Y
5	IC 480-703484/11	20.0	62.440519	25.0	143324.0	3.122026	Y
6	ICIS 480-703484/12	50.0	167.694123	25.0	160388.0	3.353882	Y
7	IC 480-703484/13	100.0	339.829957	25.0	155931.0	3.3983	Y
8	IC 480-703484/14	200.0	708.377955	25.0	154820.0	3.54189	Y



Calibration / 2,2-Dichloropropane

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

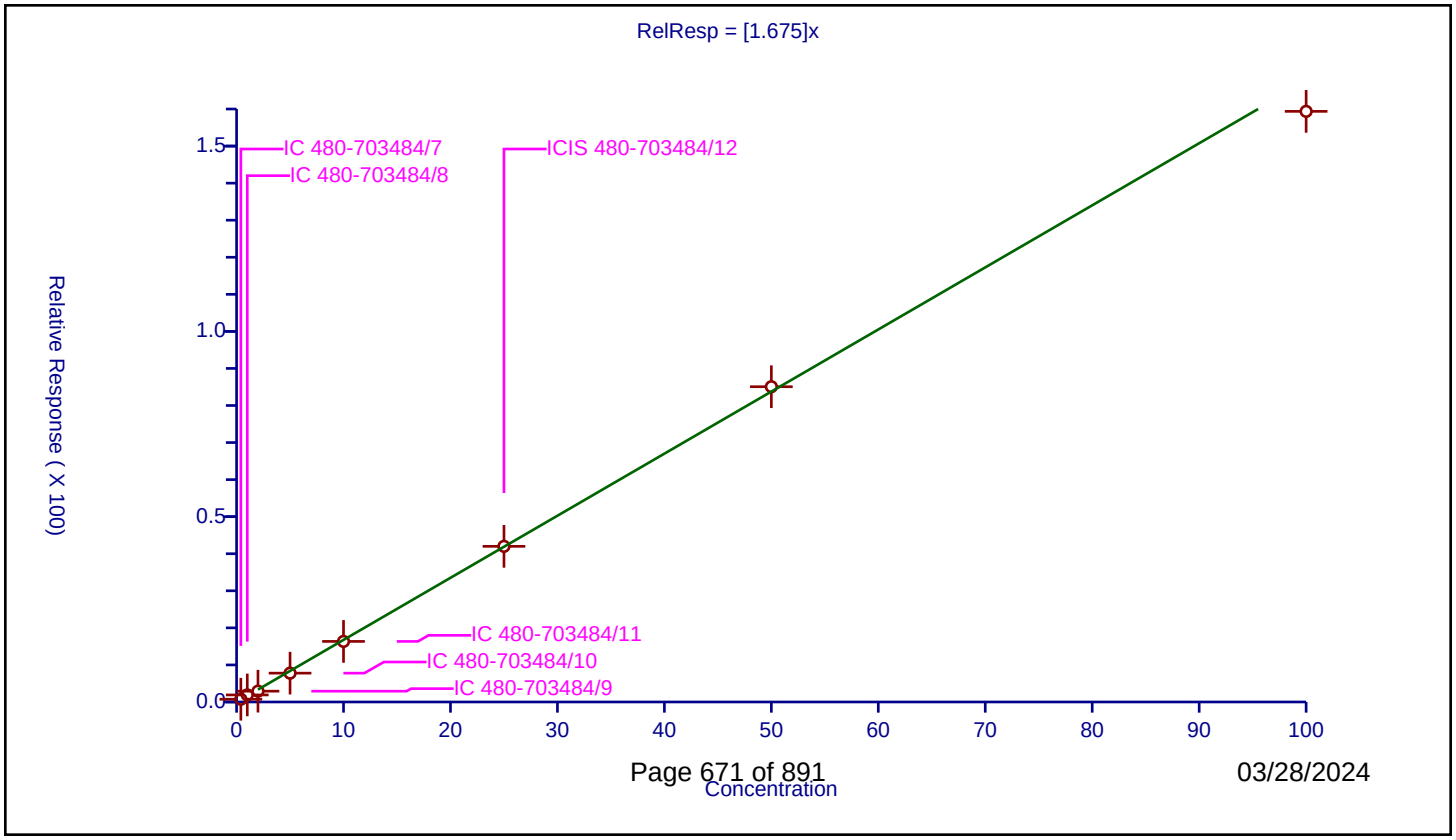
Curve Coefficients

Intercept:	0
Slope:	1.675

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.748002	25.0	139037.0	1.870006	Y
2	IC 480-703484/8	1.0	1.906034	25.0	148266.0	1.906034	Y
3	IC 480-703484/9	2.0	2.919837	25.0	162295.0	1.459919	Y
4	IC 480-703484/10	5.0	7.780758	25.0	157912.0	1.556152	Y
5	IC 480-703484/11	10.0	16.34339	25.0	143324.0	1.634339	Y
6	ICIS 480-703484/12	25.0	41.997843	25.0	160388.0	1.679914	Y
7	IC 480-703484/13	50.0	85.064227	25.0	155931.0	1.701285	Y
8	IC 480-703484/14	100.0	159.363454	25.0	154820.0	1.593635	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

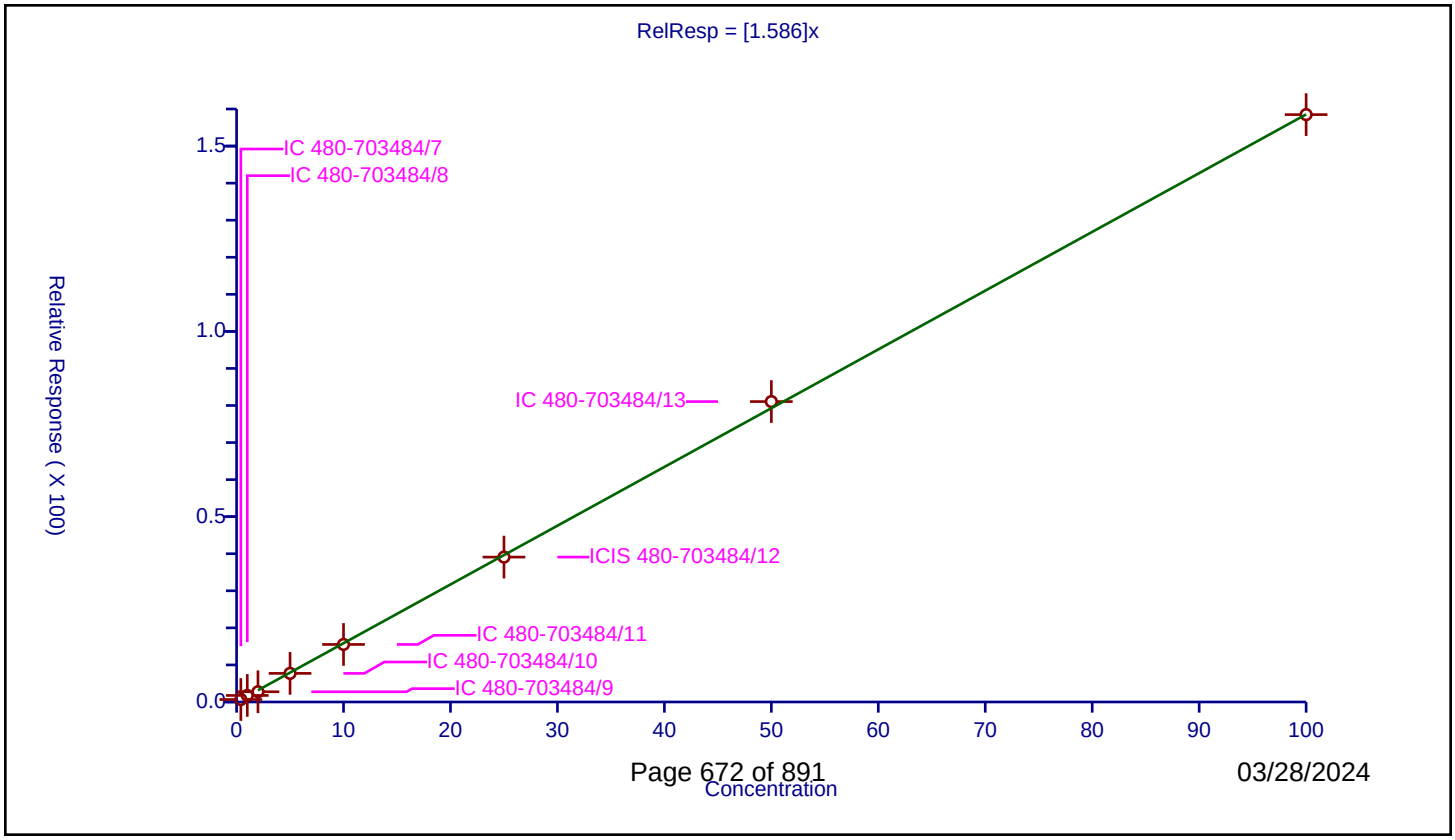
Curve Coefficients

Intercept:	0
Slope:	1.586

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.669067	25.0	139037.0	1.672666	Y
2	IC 480-703484/8	1.0	1.764565	25.0	148266.0	1.764565	Y
3	IC 480-703484/9	2.0	2.76287	25.0	162295.0	1.381435	Y
4	IC 480-703484/10	5.0	7.716323	25.0	157912.0	1.543265	Y
5	IC 480-703484/11	10.0	15.523743	25.0	143324.0	1.552374	Y
6	ICIS 480-703484/12	25.0	39.093168	25.0	160388.0	1.563727	Y
7	IC 480-703484/13	50.0	81.057647	25.0	155931.0	1.621153	Y
8	IC 480-703484/14	100.0	158.490344	25.0	154820.0	1.584903	Y



Calibration / 2-Butanone (MEK)

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

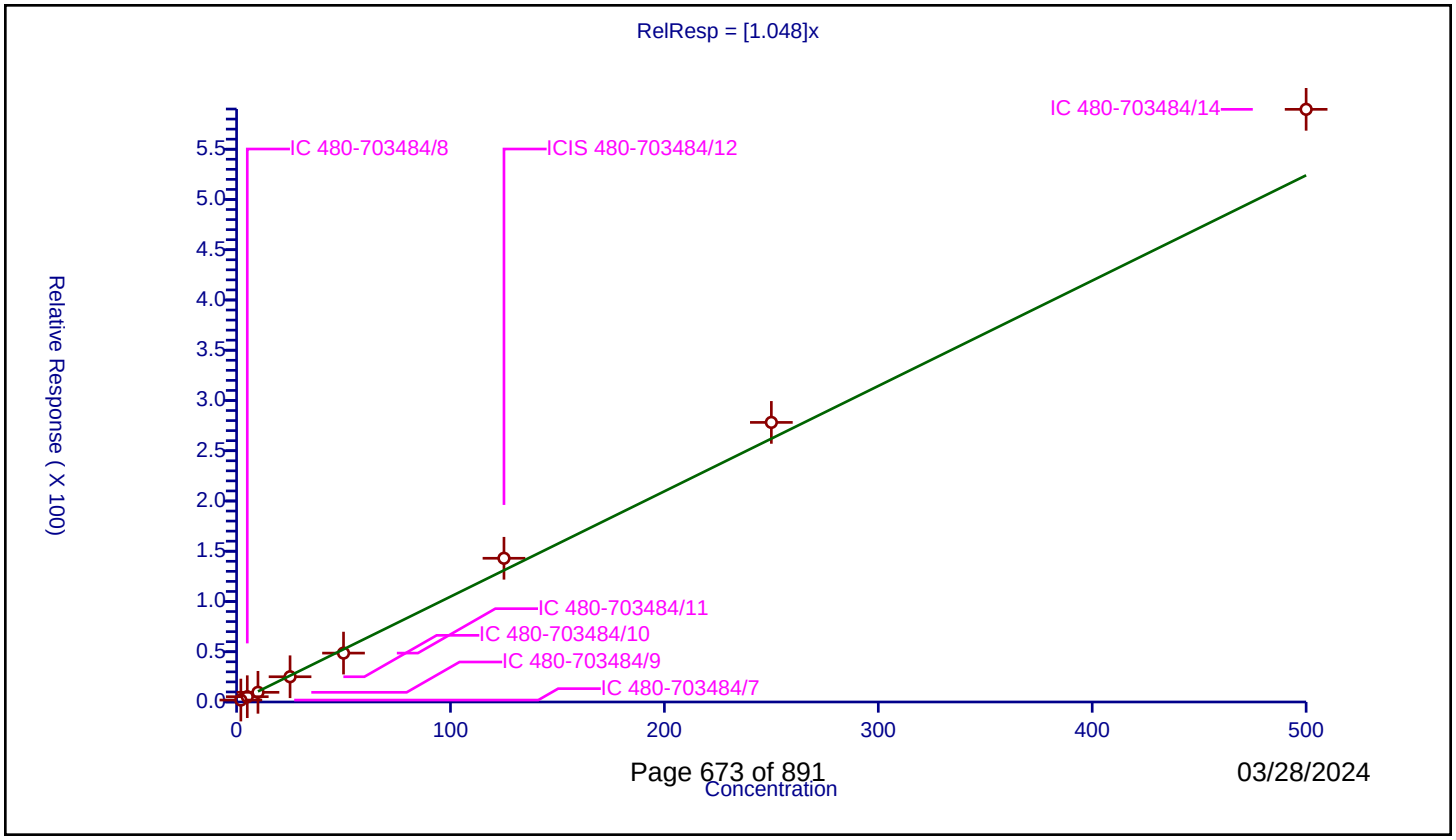
Curve Coefficients

Intercept:	0
Slope:	1.048

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	2.0	1.914598	25.0	139037.0	0.957299	Y
2	IC 480-703484/8	5.0	5.257949	25.0	148266.0	1.05159	Y
3	IC 480-703484/9	10.0	9.628608	25.0	162295.0	0.962861	Y
4	IC 480-703484/10	25.0	25.101006	25.0	157912.0	1.00404	Y
5	IC 480-703484/11	50.0	48.642412	25.0	143324.0	0.972848	Y
6	ICIS 480-703484/12	125.0	143.003685	25.0	160388.0	1.144029	Y
7	IC 480-703484/13	250.0	278.185383	25.0	155931.0	1.112742	Y
8	IC 480-703484/14	500.0	589.683019	25.0	154820.0	1.179366	Y



Calibration / Chlorobromomethane

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

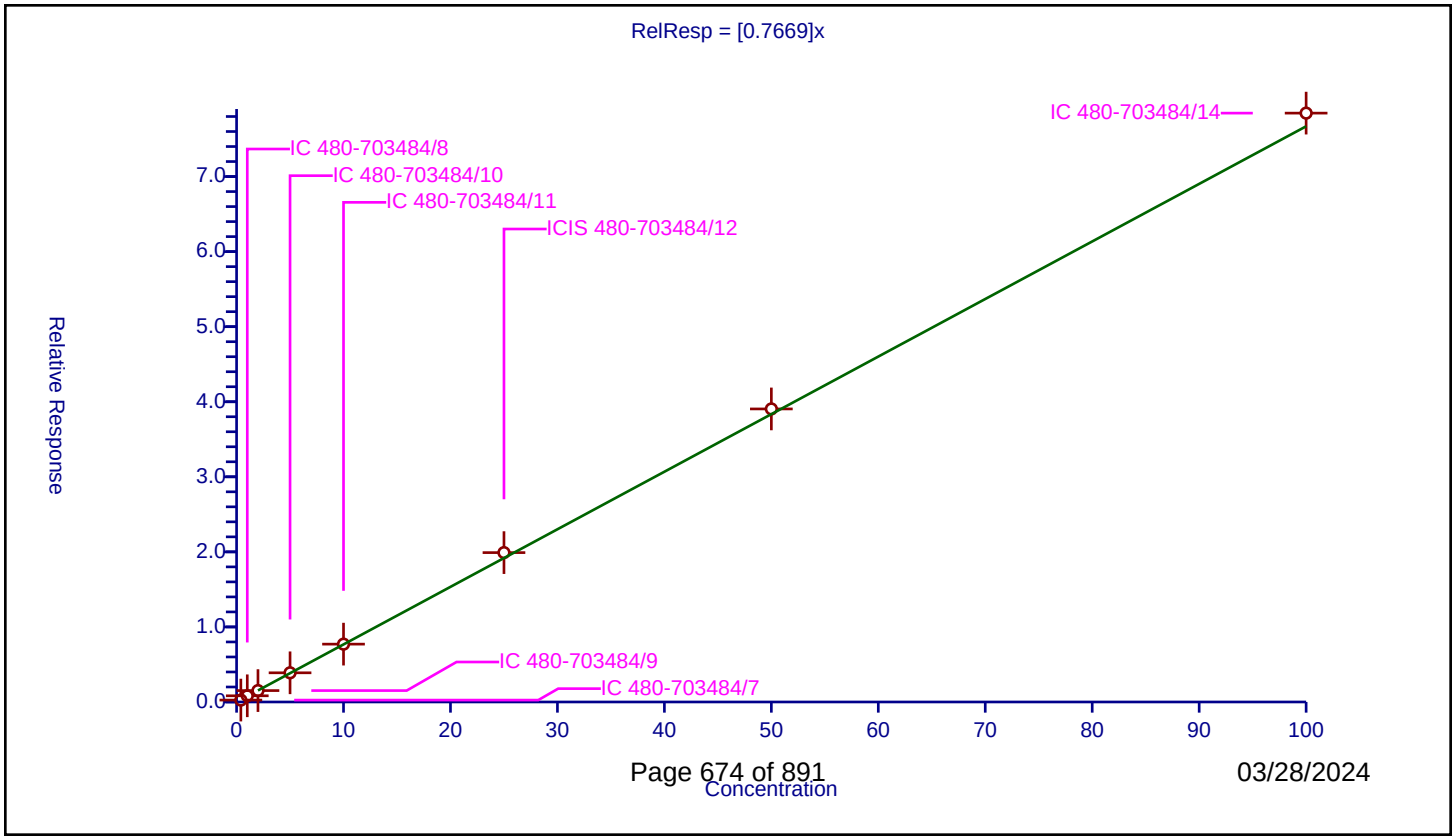
Curve Coefficients

Intercept:	0
Slope:	0.7669

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.255687	25.0	139037.0	0.639218	Y
2	IC 480-703484/8	1.0	0.826218	25.0	148266.0	0.826218	Y
3	IC 480-703484/9	2.0	1.52038	25.0	162295.0	0.76019	Y
4	IC 480-703484/10	5.0	3.888558	25.0	157912.0	0.777712	Y
5	IC 480-703484/11	10.0	7.707362	25.0	143324.0	0.770736	Y
6	ICIS 480-703484/12	25.0	19.901582	25.0	160388.0	0.796063	Y
7	IC 480-703484/13	50.0	39.042429	25.0	155931.0	0.780849	Y
8	IC 480-703484/14	100.0	78.454496	25.0	154820.0	0.784545	Y



Calibration / Tetrahydrofuran

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

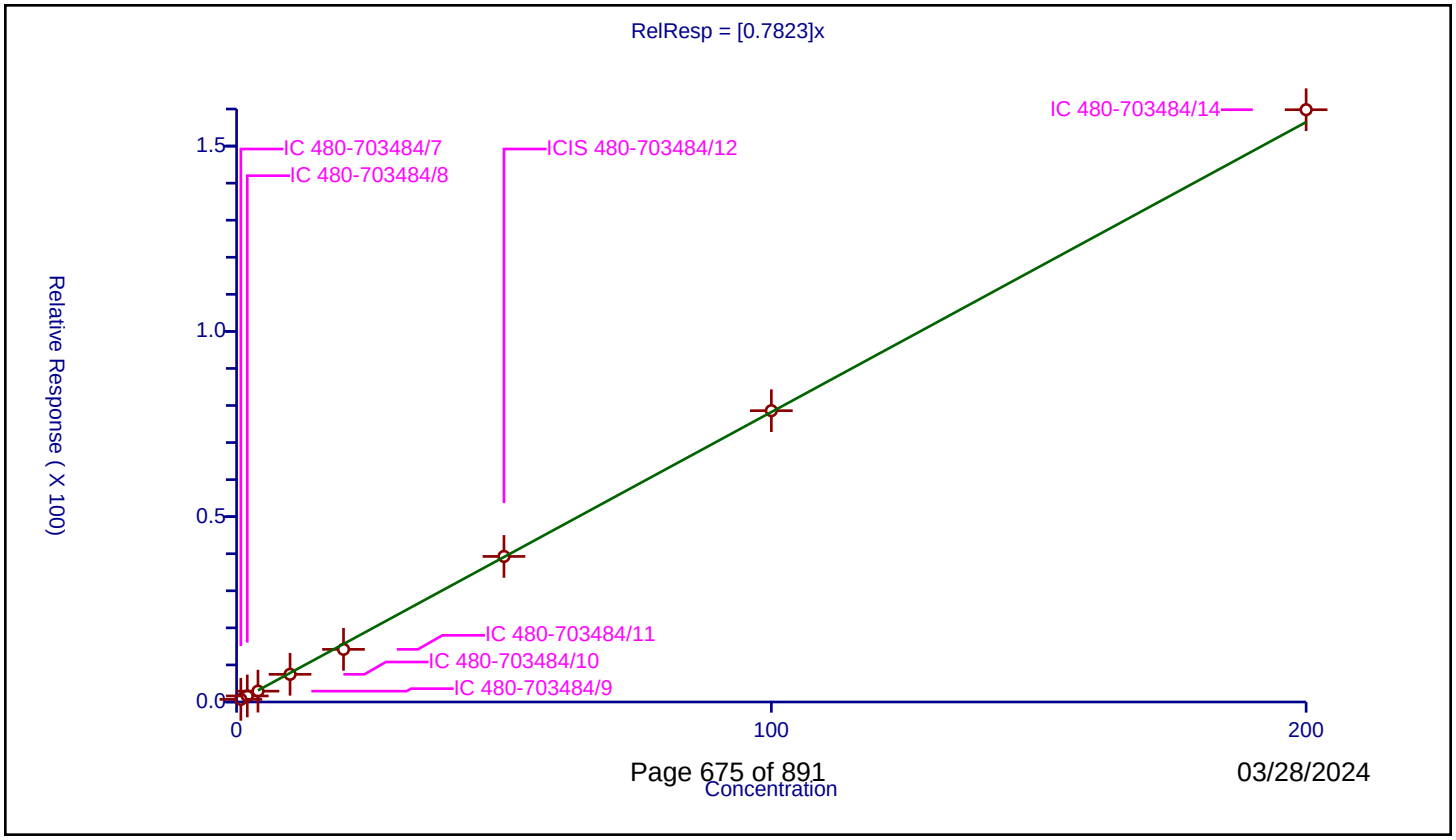
Curve Coefficients

Intercept:	0
Slope:	0.7823

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.8	0.708804	25.0	139037.0	0.886005	Y
2	IC 480-703484/8	2.0	1.629672	25.0	148266.0	0.814836	Y
3	IC 480-703484/9	4.0	2.921532	25.0	162295.0	0.730383	Y
4	IC 480-703484/10	10.0	7.467134	25.0	157912.0	0.746713	Y
5	IC 480-703484/11	20.0	14.199994	25.0	143324.0	0.71	Y
6	ICIS 480-703484/12	50.0	39.274759	25.0	160388.0	0.785495	Y
7	IC 480-703484/13	100.0	78.608006	25.0	155931.0	0.78608	Y
8	IC 480-703484/14	200.0	159.809941	25.0	154820.0	0.79905	Y



Calibration / Chloroform

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

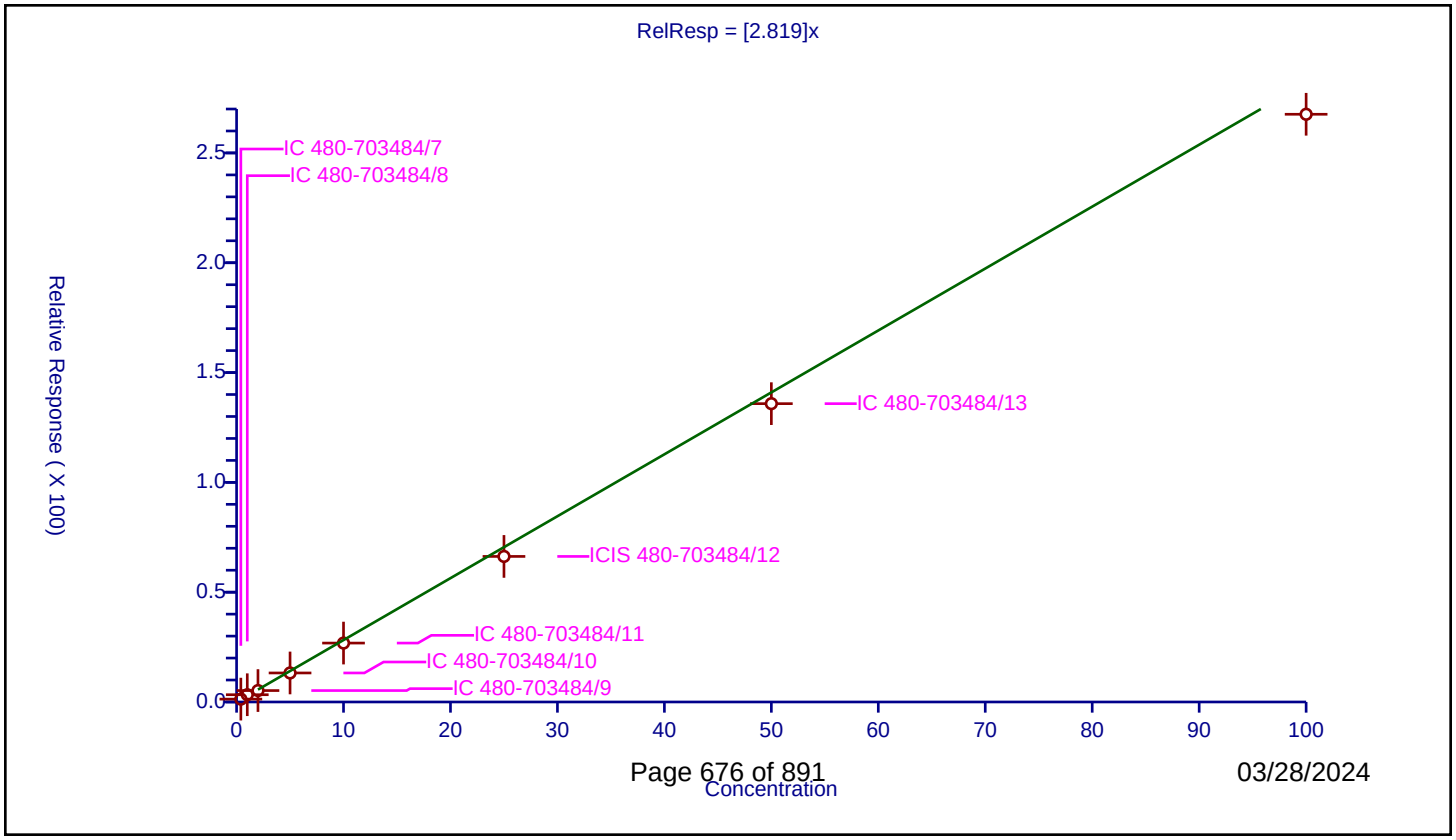
Curve Coefficients

Intercept:	0
Slope:	2.819

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	1.307745	25.0	139037.0	3.269364	Y
2	IC 480-703484/8	1.0	3.314145	25.0	148266.0	3.314145	Y
3	IC 480-703484/9	2.0	5.203333	25.0	162295.0	2.601667	Y
4	IC 480-703484/10	5.0	13.216222	25.0	157912.0	2.643244	Y
5	IC 480-703484/11	10.0	26.829073	25.0	143324.0	2.682907	Y
6	ICIS 480-703484/12	25.0	66.278961	25.0	160388.0	2.651158	Y
7	IC 480-703484/13	50.0	135.838608	25.0	155931.0	2.716772	Y
8	IC 480-703484/14	100.0	267.603023	25.0	154820.0	2.67603	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

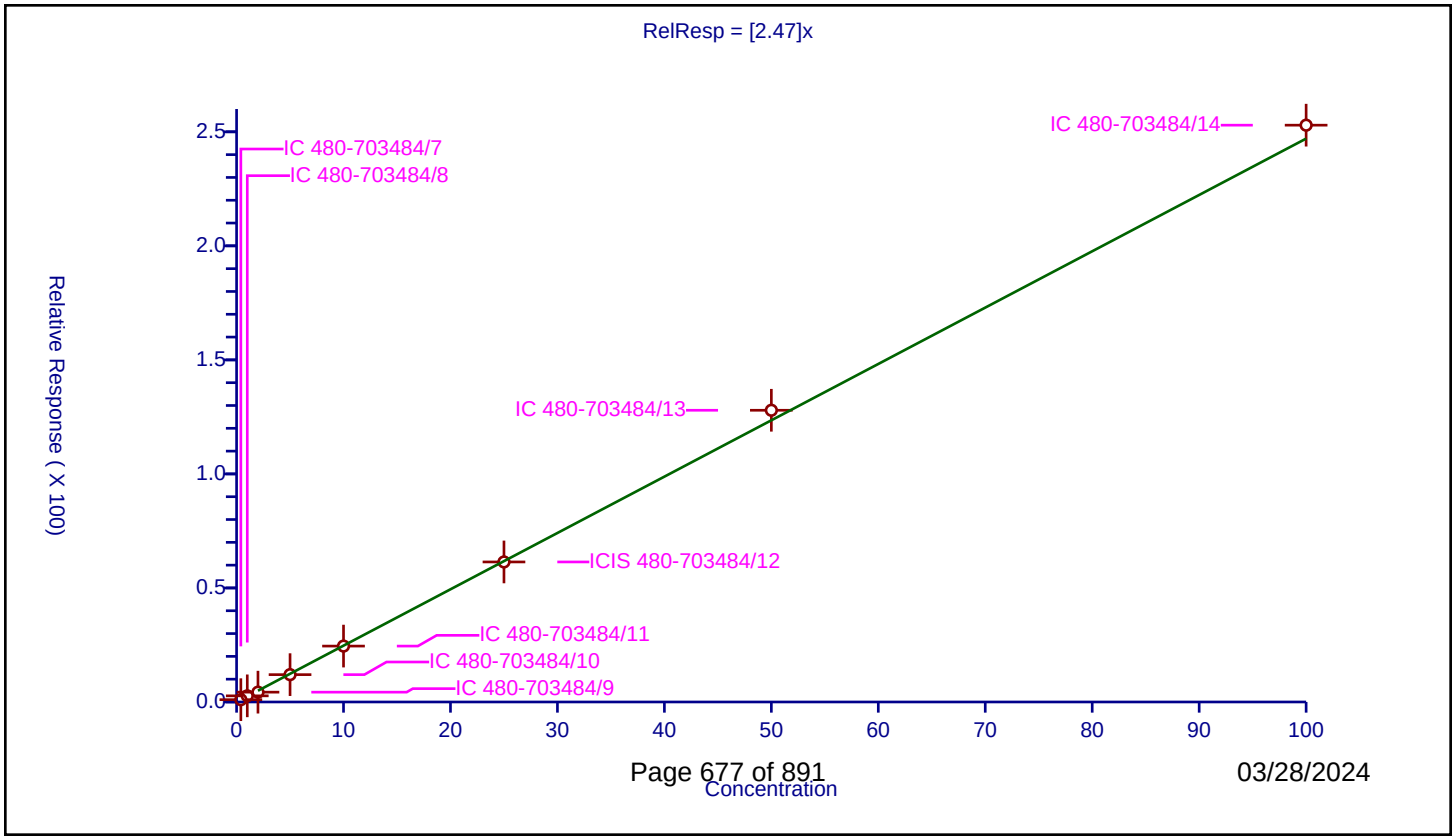
Curve Coefficients

Intercept:	0
Slope:	2.47

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	1.009444	25.0	139037.0	2.523609	Y
2	IC 480-703484/8	1.0	2.693133	25.0	148266.0	2.693133	Y
3	IC 480-703484/9	2.0	4.306664	25.0	162295.0	2.153332	Y
4	IC 480-703484/10	5.0	11.986739	25.0	157912.0	2.397348	Y
5	IC 480-703484/11	10.0	24.507759	25.0	143324.0	2.450776	Y
6	ICIS 480-703484/12	25.0	61.404532	25.0	160388.0	2.456181	Y
7	IC 480-703484/13	50.0	127.914911	25.0	155931.0	2.558298	Y
8	IC 480-703484/14	100.0	252.909023	25.0	154820.0	2.52909	Y



Calibration / Dibromofluoromethane (Surr)

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

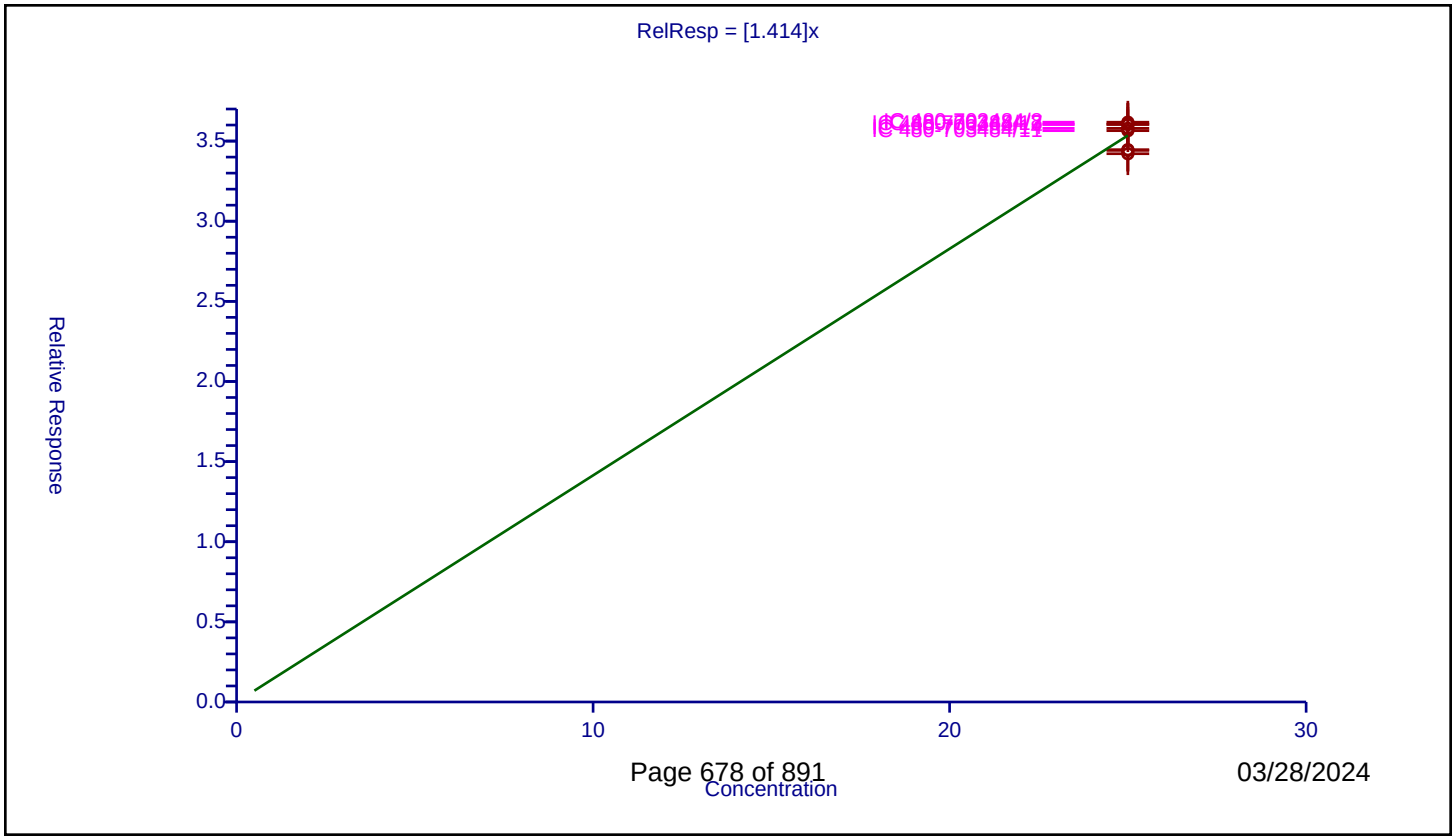
Curve Coefficients

Intercept:	0
Slope:	1.414

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	25.0	36.056589	25.0	139037.0	1.442264	Y
2	IC 480-703484/8	25.0	36.17822	25.0	148266.0	1.447129	Y
3	IC 480-703484/9	25.0	34.209464	25.0	162295.0	1.368379	Y
4	IC 480-703484/10	25.0	34.463657	25.0	157912.0	1.378546	Y
5	IC 480-703484/11	25.0	35.647379	25.0	143324.0	1.425895	Y
6	ICIS 480-703484/12	25.0	34.415293	25.0	160388.0	1.376612	Y
7	IC 480-703484/13	25.0	36.031001	25.0	155931.0	1.44124	Y
8	IC 480-703484/14	25.0	35.796086	25.0	154820.0	1.431843	Y



Calibration / Cyclohexane

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

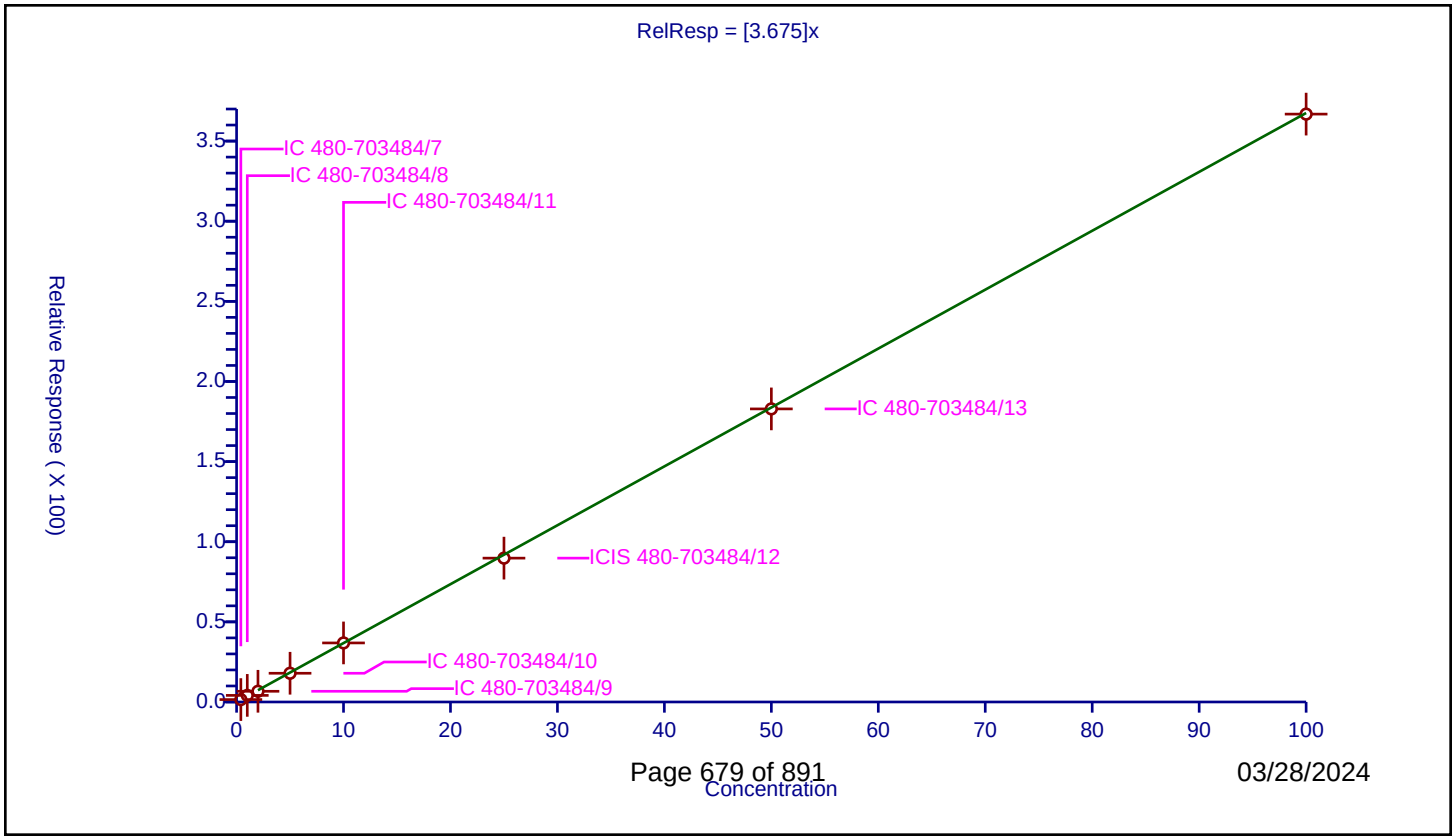
Curve Coefficients

Intercept:	0
Slope:	3.675

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	1.505534	25.0	139037.0	3.763836	Y
2	IC 480-703484/8	1.0	4.11018	25.0	148266.0	4.11018	Y
3	IC 480-703484/9	2.0	6.680428	25.0	162295.0	3.340214	Y
4	IC 480-703484/10	5.0	17.936889	25.0	157912.0	3.587378	Y
5	IC 480-703484/11	10.0	36.842573	25.0	143324.0	3.684257	Y
6	ICIS 480-703484/12	25.0	89.754221	25.0	160388.0	3.590169	Y
7	IC 480-703484/13	50.0	182.880729	25.0	155931.0	3.657615	Y
8	IC 480-703484/14	100.0	366.822923	25.0	154820.0	3.668229	Y



Calibration / Carbon tetrachloride

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

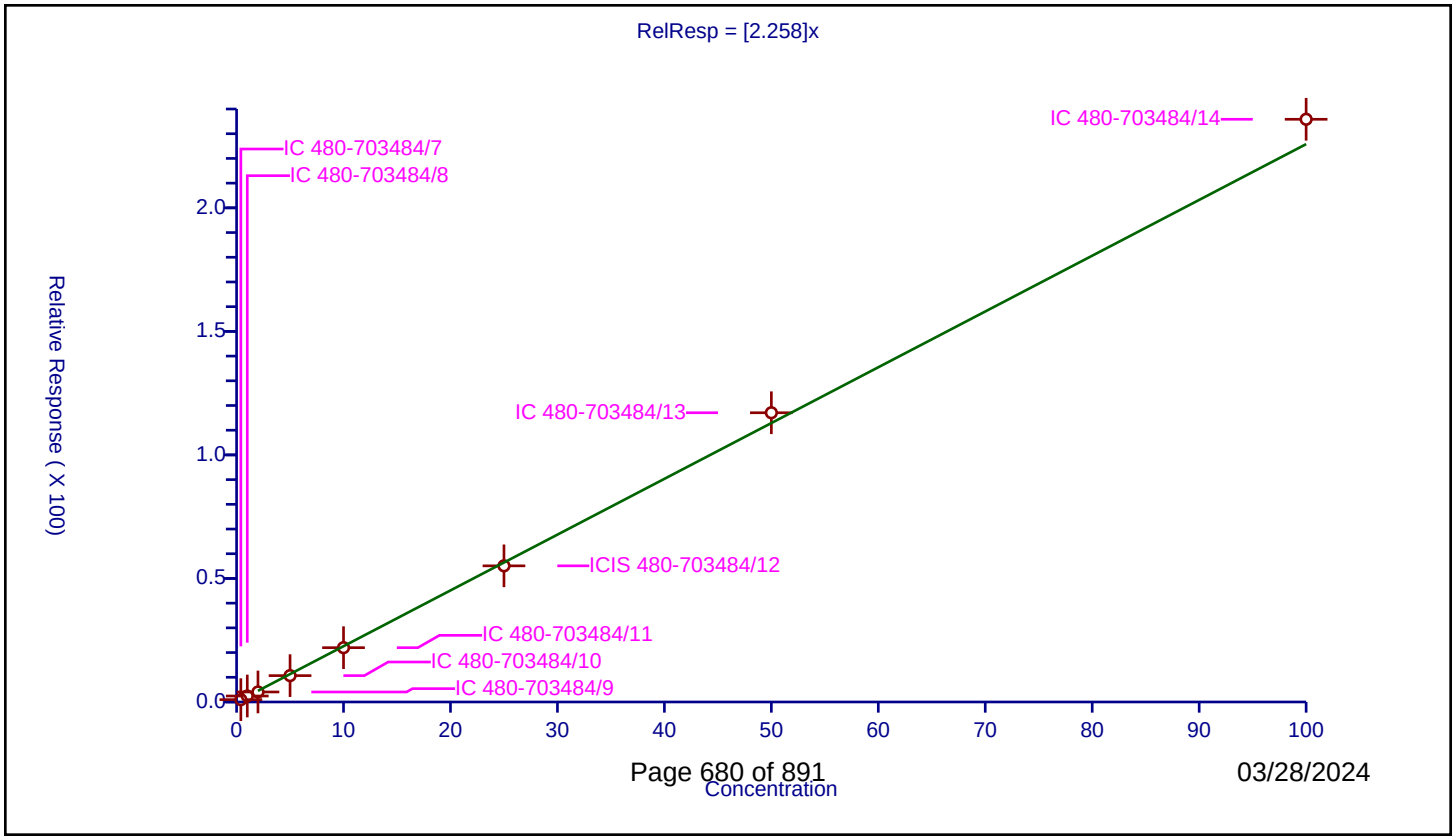
Curve Coefficients

Intercept:	0
Slope:	2.258

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.949208	25.0	139037.0	2.373019	Y
2	IC 480-703484/8	1.0	2.425033	25.0	148266.0	2.425033	Y
3	IC 480-703484/9	2.0	4.056502	25.0	162295.0	2.028251	Y
4	IC 480-703484/10	5.0	10.671925	25.0	157912.0	2.134385	Y
5	IC 480-703484/11	10.0	21.978524	25.0	143324.0	2.197852	Y
6	ICIS 480-703484/12	25.0	55.107302	25.0	160388.0	2.204292	Y
7	IC 480-703484/13	50.0	117.071974	25.0	155931.0	2.341439	Y
8	IC 480-703484/14	100.0	235.846305	25.0	154820.0	2.358463	Y



Calibration / 1,1-Dichloropropene

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

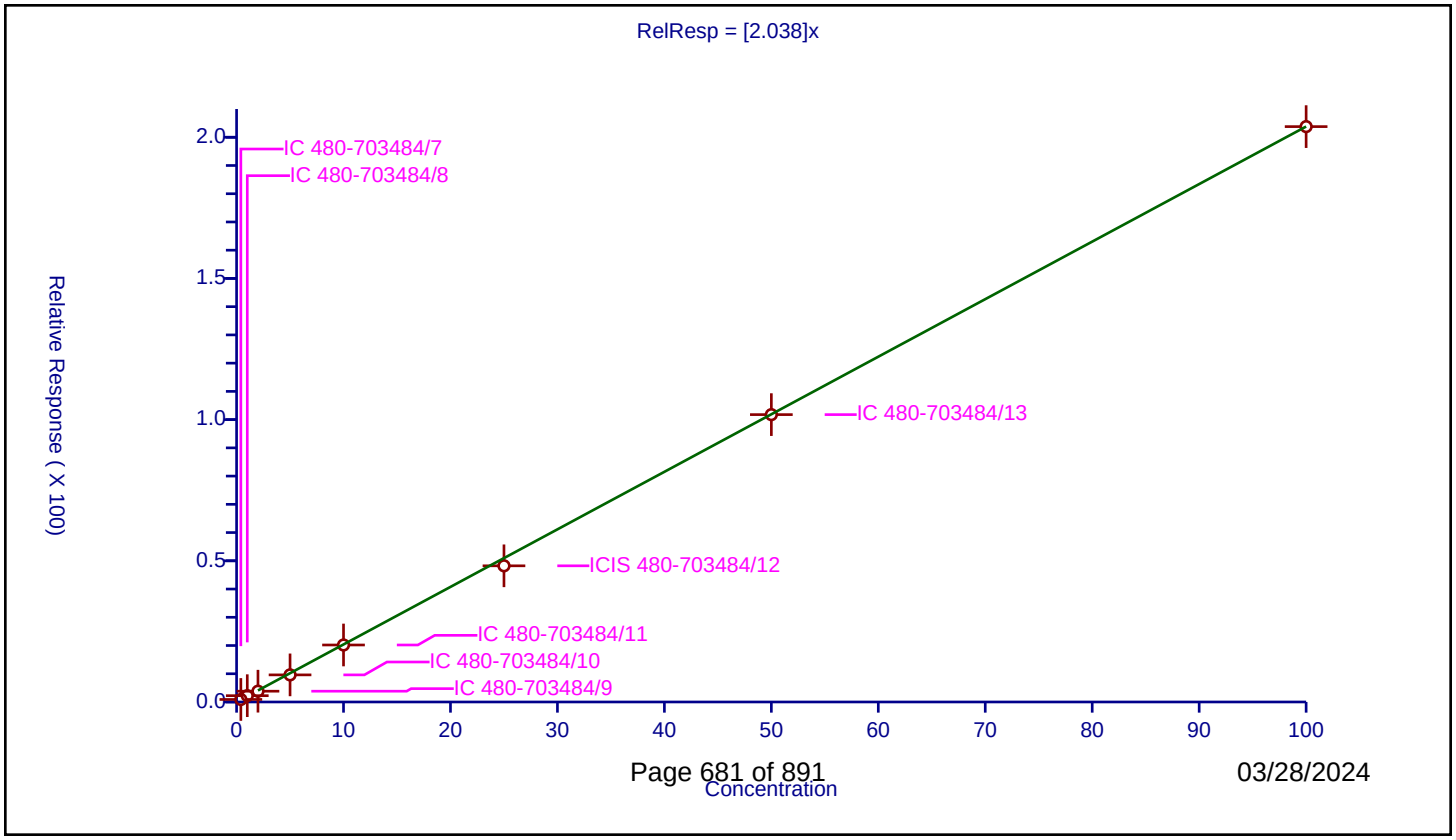
Curve Coefficients

Intercept:	0
Slope:	2.038

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.889332	25.0	139037.0	2.223329	Y
2	IC 480-703484/8	1.0	2.231462	25.0	148266.0	2.231462	Y
3	IC 480-703484/9	2.0	3.817893	25.0	162295.0	1.908947	Y
4	IC 480-703484/10	5.0	9.595534	25.0	157912.0	1.919107	Y
5	IC 480-703484/11	10.0	20.186431	25.0	143324.0	2.018643	Y
6	ICIS 480-703484/12	25.0	48.229138	25.0	160388.0	1.929166	Y
7	IC 480-703484/13	50.0	101.767769	25.0	155931.0	2.035355	Y
8	IC 480-703484/14	100.0	203.768731	25.0	154820.0	2.037687	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

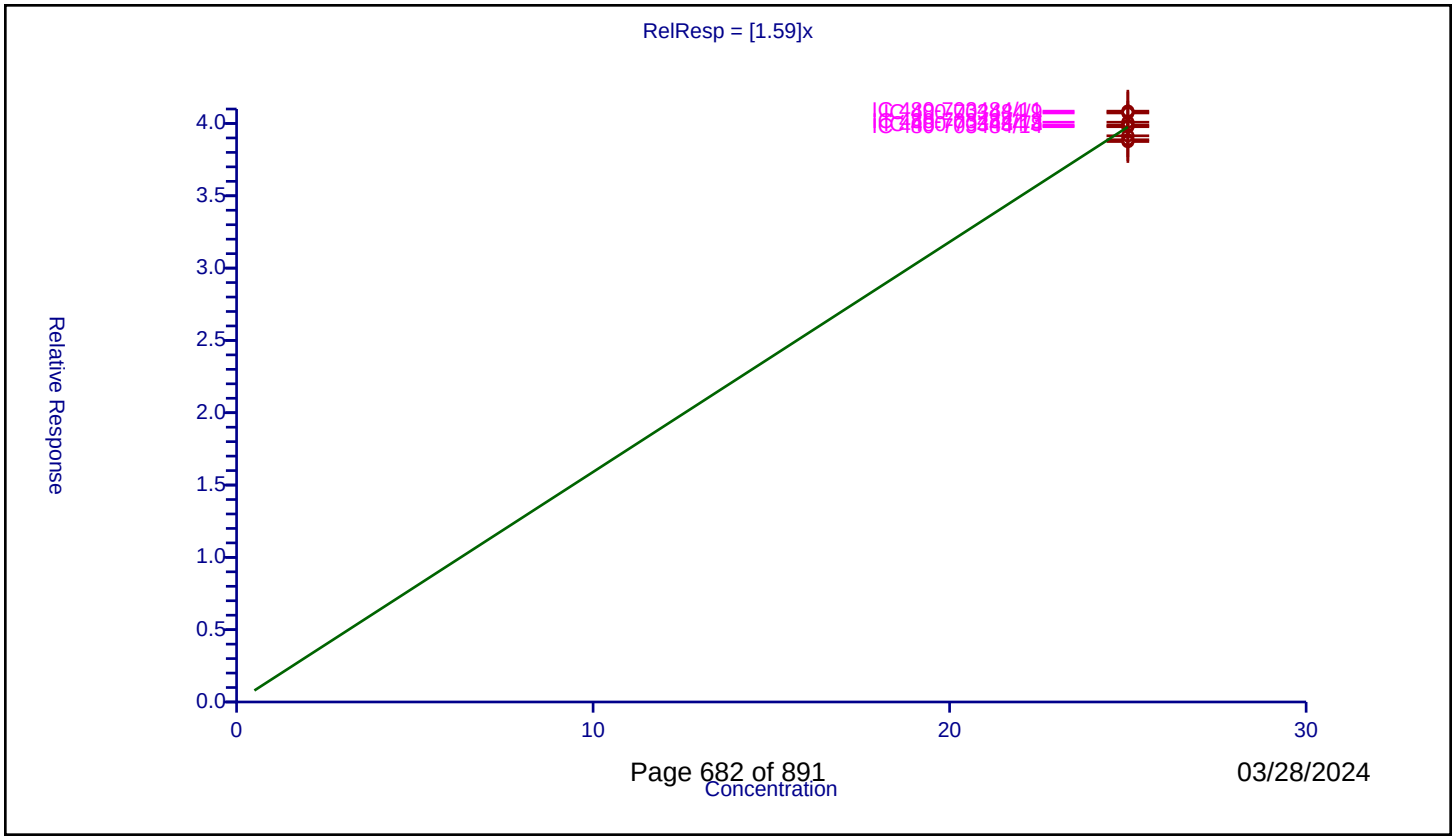
Curve Coefficients

Intercept:	0
Slope:	1.59

Error Coefficients

Relative Standard Deviation:	2.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	25.0	39.148033	25.0	139037.0	1.565921	Y
2	IC 480-703484/8	25.0	39.875798	25.0	148266.0	1.595032	Y
3	IC 480-703484/9	25.0	40.726763	25.0	162295.0	1.629071	Y
4	IC 480-703484/10	25.0	38.749905	25.0	157912.0	1.549996	Y
5	IC 480-703484/11	25.0	40.853067	25.0	143324.0	1.634123	Y
6	ICIS 480-703484/12	25.0	38.876194	25.0	160388.0	1.555048	Y
7	IC 480-703484/13	25.0	40.087443	25.0	155931.0	1.603498	Y
8	IC 480-703484/14	25.0	39.775384	25.0	154820.0	1.591015	Y



Calibration / Isobutyl alcohol

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

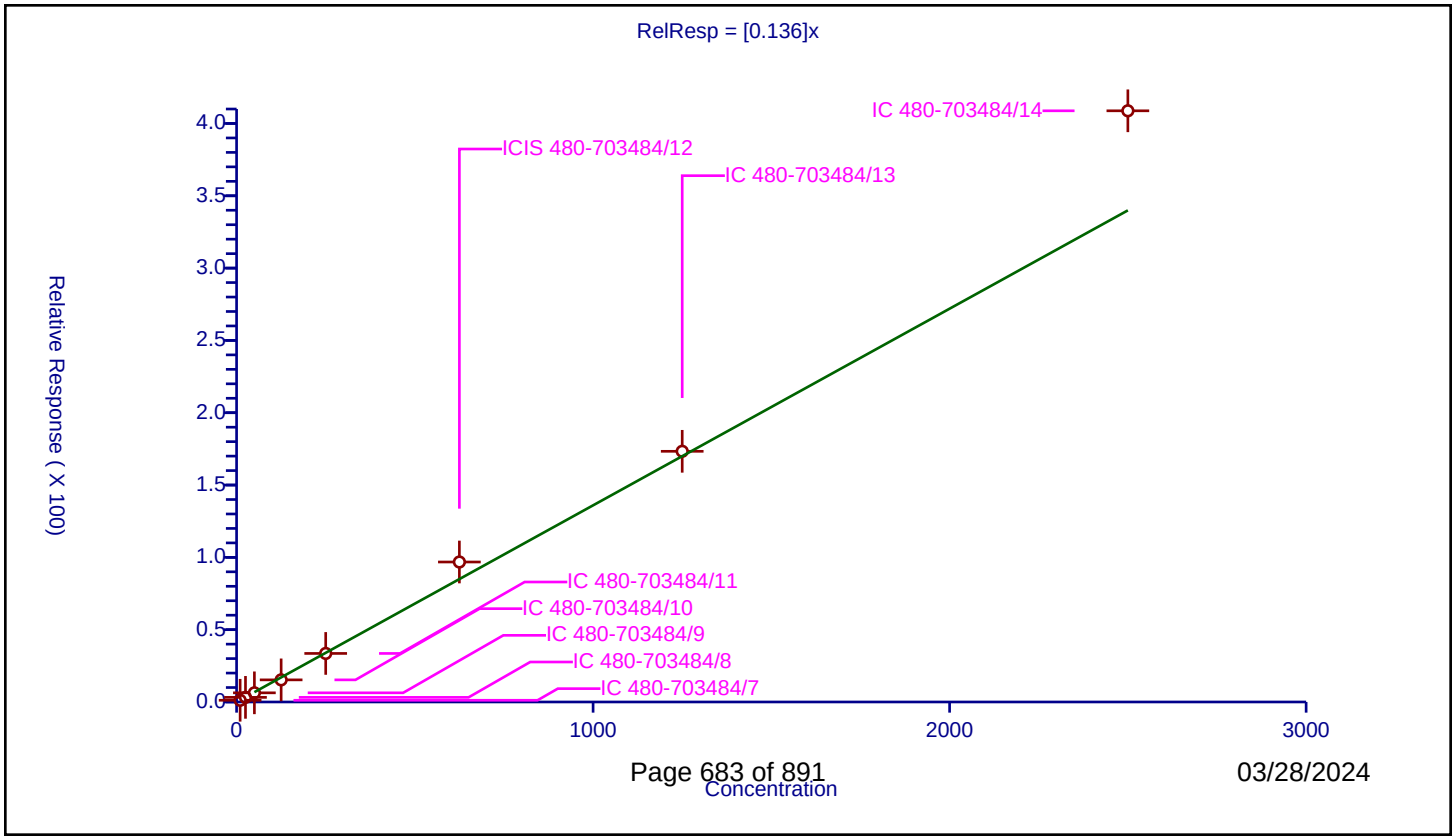
Curve Coefficients

Intercept:	0
Slope:	0.136

Error Coefficients

Relative Standard Deviation:	11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	10.0	1.195006	25.0	139037.0	0.119501	Y
2	IC 480-703484/8	25.0	3.19898	25.0	148266.0	0.127959	Y
3	IC 480-703484/9	50.0	6.334761	25.0	162295.0	0.126695	Y
4	IC 480-703484/10	125.0	15.28747	25.0	157912.0	0.1223	Y
5	IC 480-703484/11	250.0	33.558929	25.0	143324.0	0.134236	Y
6	ICIS 480-703484/12	625.0	96.797765	25.0	160388.0	0.154876	Y
7	IC 480-703484/13	1250.0	173.330031	25.0	155931.0	0.138664	Y
8	IC 480-703484/14	2500.0	408.765502	25.0	154820.0	0.163506	Y



Calibration / Benzene

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

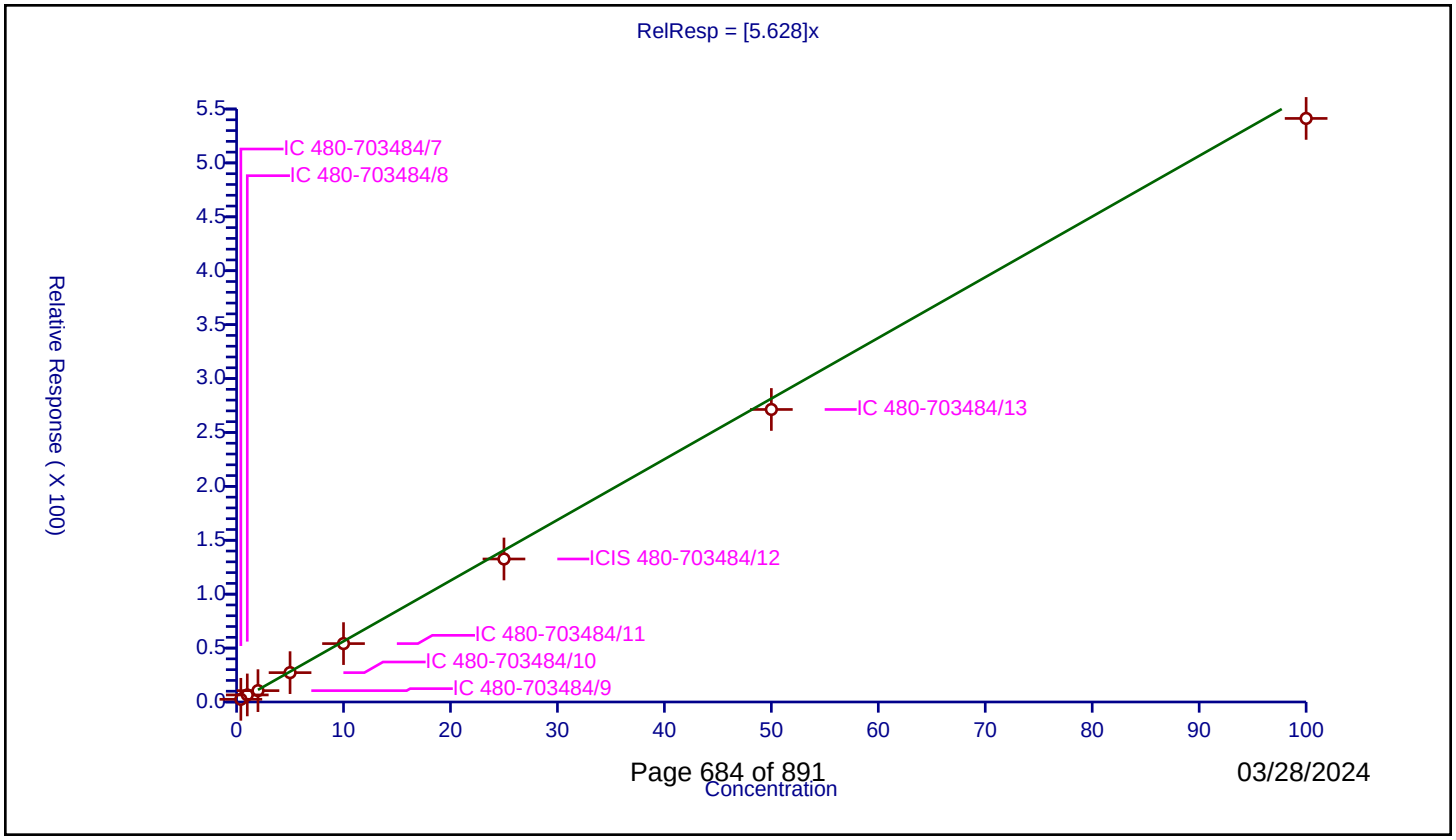
Curve Coefficients

Intercept:	0
Slope:	5.628

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	2.489265	25.0	139037.0	6.223164	Y
2	IC 480-703484/8	1.0	6.541115	25.0	148266.0	6.541115	Y
3	IC 480-703484/9	2.0	10.519579	25.0	162295.0	5.259789	Y
4	IC 480-703484/10	5.0	27.215474	25.0	157912.0	5.443095	Y
5	IC 480-703484/11	10.0	54.149863	25.0	143324.0	5.414986	Y
6	ICIS 480-703484/12	25.0	132.624479	25.0	160388.0	5.304979	Y
7	IC 480-703484/13	50.0	271.309746	25.0	155931.0	5.426195	Y
8	IC 480-703484/14	100.0	541.261142	25.0	154820.0	5.412611	Y



Calibration / 1,2-Dichloroethane

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

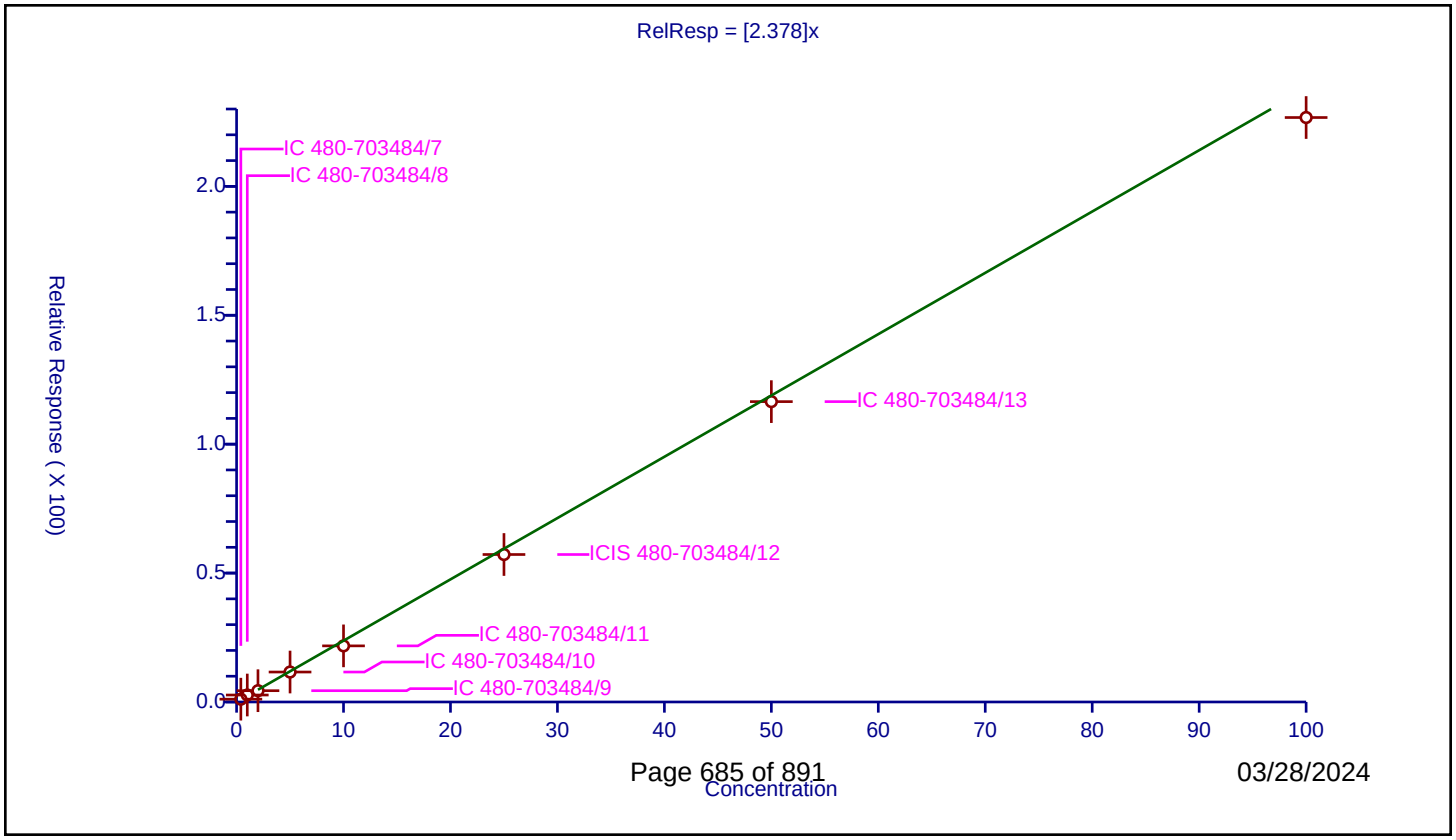
Curve Coefficients

Intercept:	0
Slope:	2.378

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	1.095032	25.0	139037.0	2.737581	Y
2	IC 480-703484/8	1.0	2.706116	25.0	148266.0	2.706116	Y
3	IC 480-703484/9	2.0	4.384608	25.0	162295.0	2.192304	Y
4	IC 480-703484/10	5.0	11.625304	25.0	157912.0	2.325061	Y
5	IC 480-703484/11	10.0	21.765894	25.0	143324.0	2.176589	Y
6	ICIS 480-703484/12	25.0	57.200508	25.0	160388.0	2.28802	Y
7	IC 480-703484/13	50.0	116.503934	25.0	155931.0	2.330079	Y
8	IC 480-703484/14	100.0	226.702138	25.0	154820.0	2.267021	Y



Calibration / n-Heptane

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

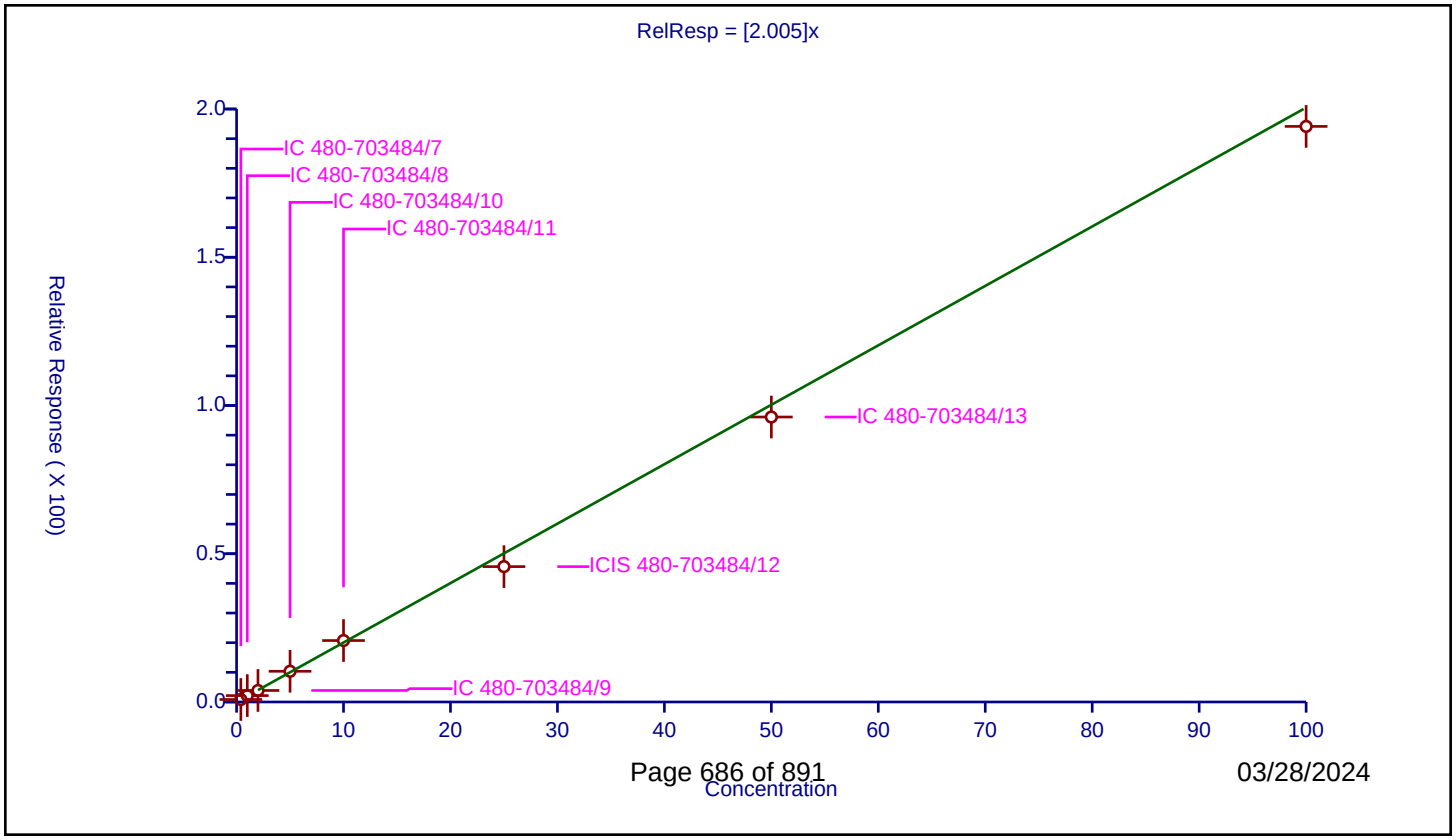
Curve Coefficients

Intercept:	0
Slope:	2.005

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.843481	25.0	139037.0	2.108701	Y
2	IC 480-703484/8	1.0	2.154742	25.0	148266.0	2.154742	Y
3	IC 480-703484/9	2.0	3.880588	25.0	162295.0	1.940294	Y
4	IC 480-703484/10	5.0	10.356401	25.0	157912.0	2.07128	Y
5	IC 480-703484/11	10.0	20.727687	25.0	143324.0	2.072769	Y
6	ICIS 480-703484/12	25.0	45.659276	25.0	160388.0	1.826371	Y
7	IC 480-703484/13	50.0	96.115109	25.0	155931.0	1.922302	Y
8	IC 480-703484/14	100.0	194.13787	25.0	154820.0	1.941379	Y



Calibration / Trichloroethene

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

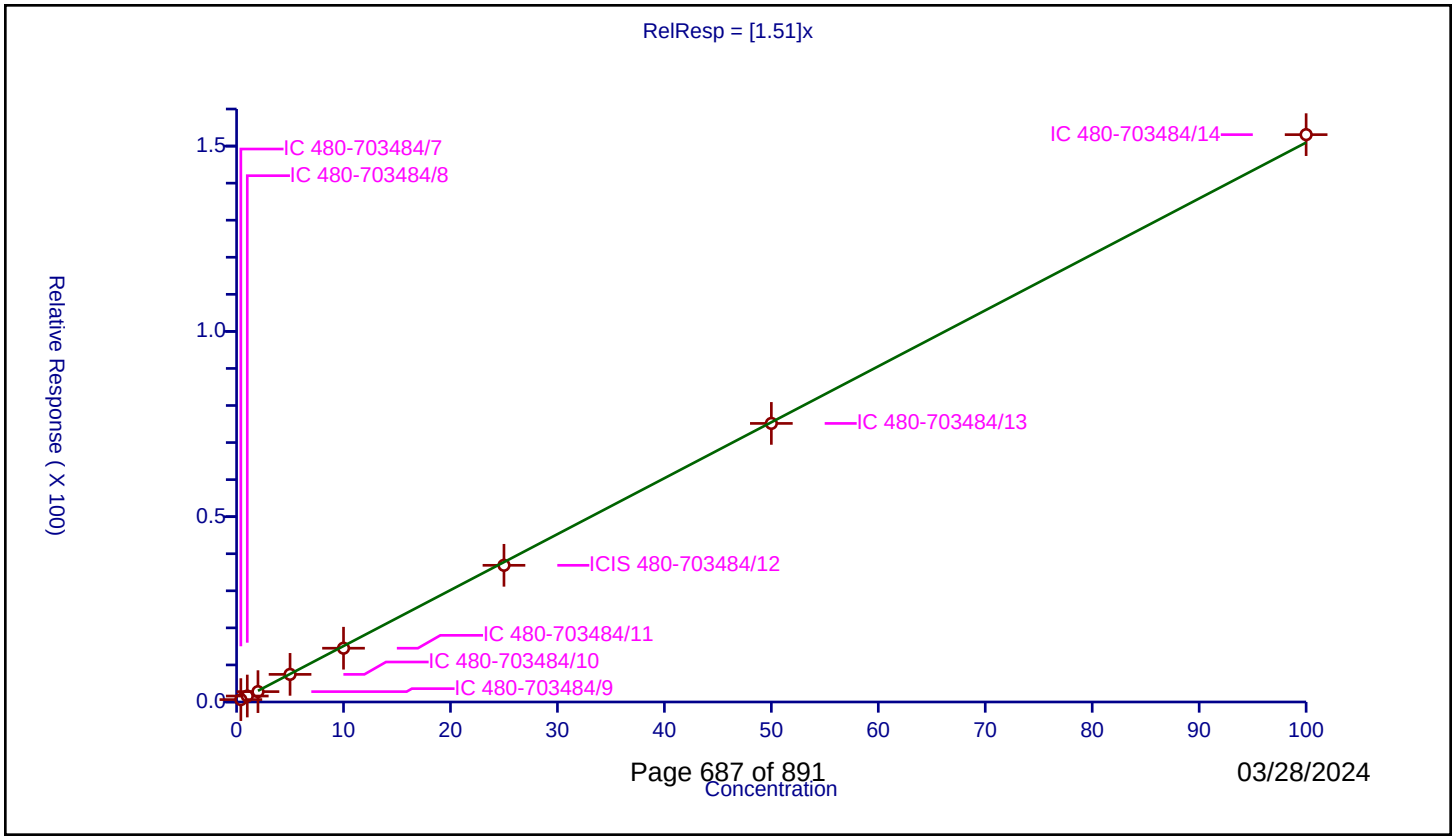
Curve Coefficients

Intercept:	0
Slope:	1.51

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.64695	25.0	139037.0	1.617375	Y
2	IC 480-703484/8	1.0	1.61163	25.0	148266.0	1.61163	Y
3	IC 480-703484/9	2.0	2.792138	25.0	162295.0	1.396069	Y
4	IC 480-703484/10	5.0	7.452569	25.0	157912.0	1.490514	Y
5	IC 480-703484/11	10.0	14.510305	25.0	143324.0	1.451031	Y
6	ICIS 480-703484/12	25.0	36.883059	25.0	160388.0	1.475322	Y
7	IC 480-703484/13	50.0	75.168023	25.0	155931.0	1.50336	Y
8	IC 480-703484/14	100.0	153.086326	25.0	154820.0	1.530863	Y



Calibration / Methylcyclohexane

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

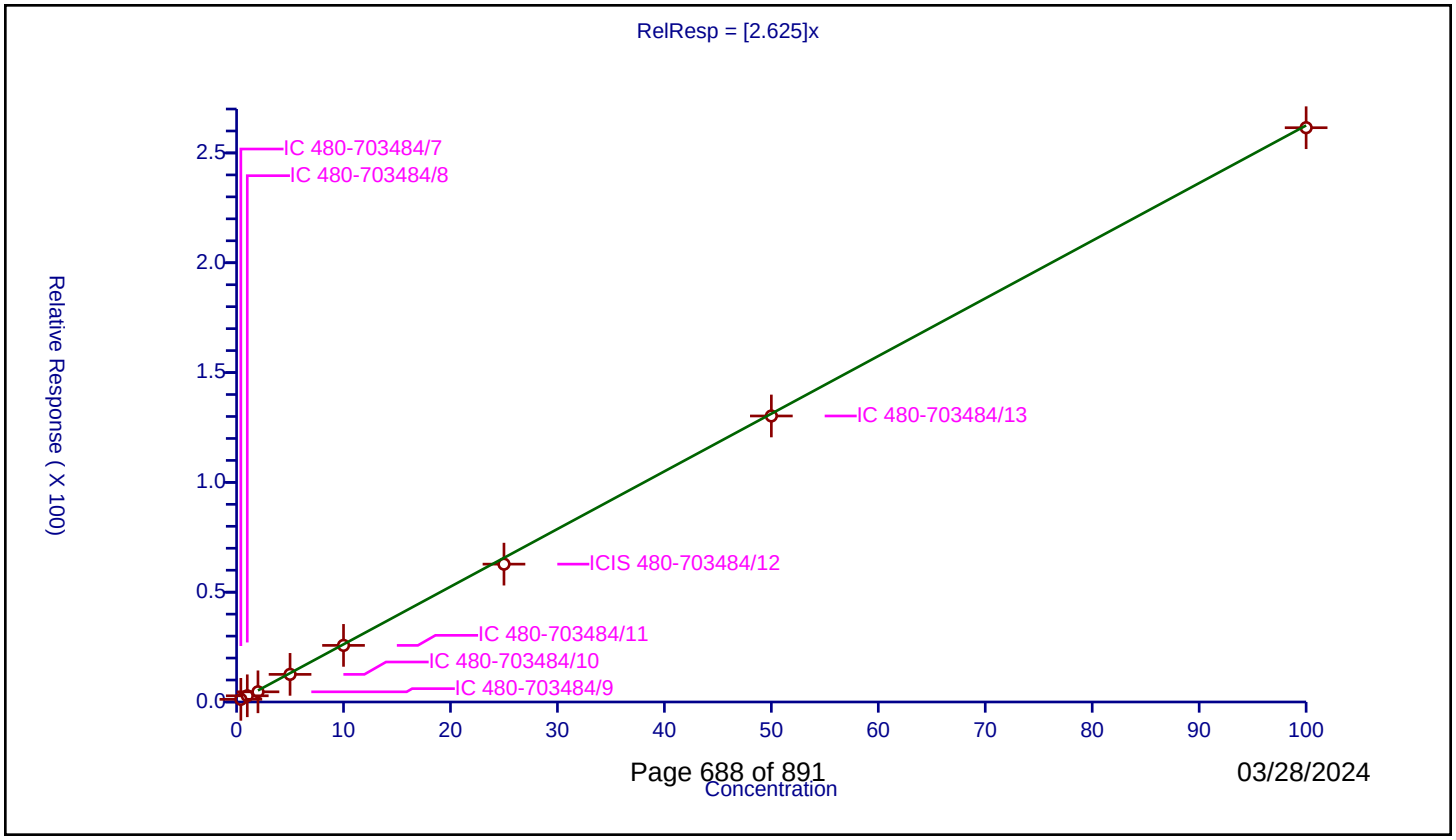
Curve Coefficients

Intercept:	0
Slope:	2.625

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	1.213166	25.0	139037.0	3.032916	Y
2	IC 480-703484/8	1.0	2.827351	25.0	148266.0	2.827351	Y
3	IC 480-703484/9	2.0	4.636464	25.0	162295.0	2.318232	Y
4	IC 480-703484/10	5.0	12.57425	25.0	157912.0	2.51485	Y
5	IC 480-703484/11	10.0	25.772725	25.0	143324.0	2.577272	Y
6	ICIS 480-703484/12	25.0	62.774958	25.0	160388.0	2.510998	Y
7	IC 480-703484/13	50.0	130.232603	25.0	155931.0	2.604652	Y
8	IC 480-703484/14	100.0	261.490602	25.0	154820.0	2.614906	Y



Calibration / 1,2-Dichloropropane

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

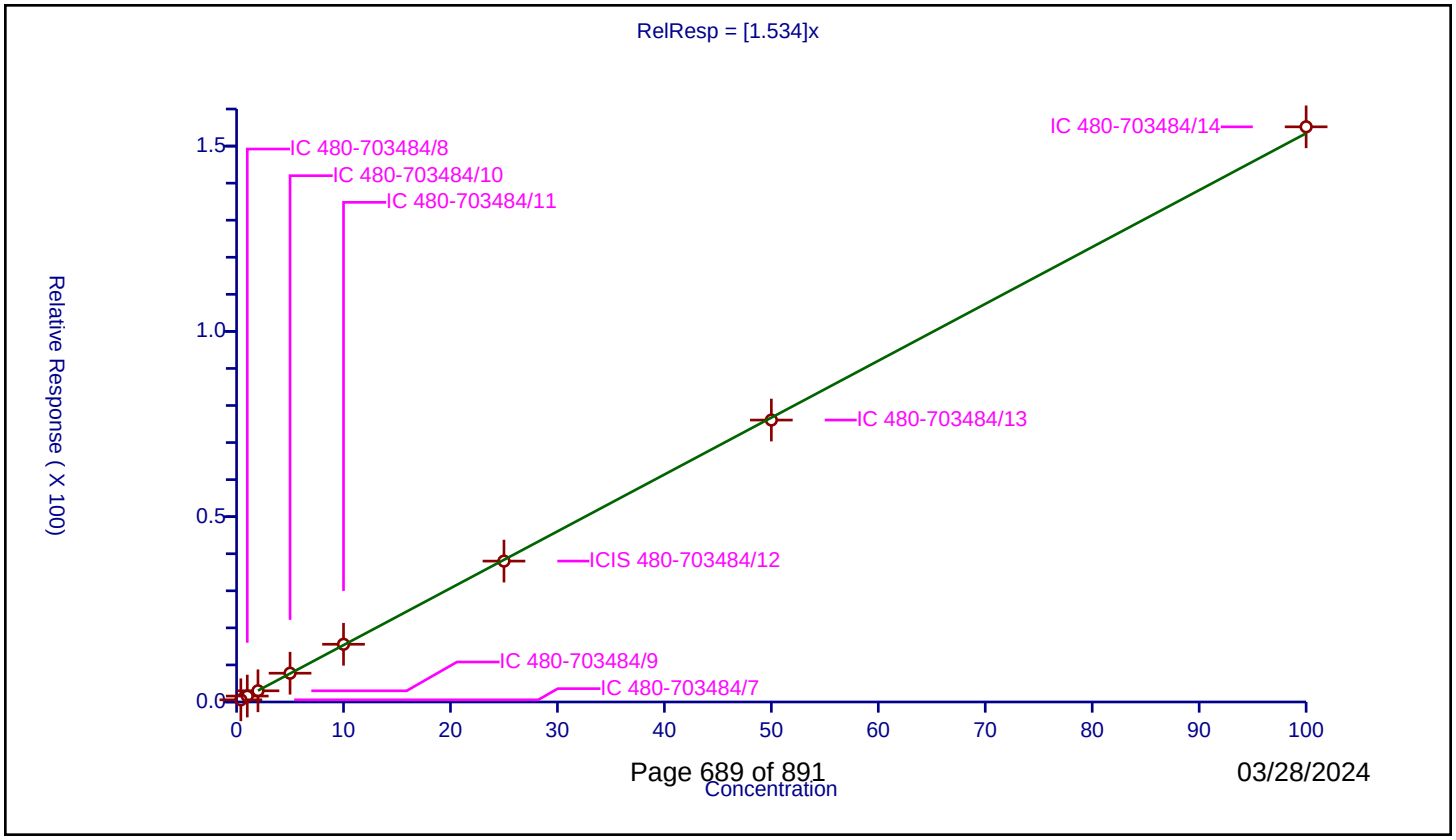
Curve Coefficients

Intercept:	0
Slope:	1.534

Error Coefficients

Relative Standard Deviation:	2.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.583837	25.0	139037.0	1.459593	Y
2	IC 480-703484/8	1.0	1.602357	25.0	148266.0	1.602357	Y
3	IC 480-703484/9	2.0	3.018731	25.0	162295.0	1.509366	Y
4	IC 480-703484/10	5.0	7.765084	25.0	157912.0	1.553017	Y
5	IC 480-703484/11	10.0	15.571712	25.0	143324.0	1.557171	Y
6	ICIS 480-703484/12	25.0	38.017651	25.0	160388.0	1.520706	Y
7	IC 480-703484/13	50.0	76.07291	25.0	155931.0	1.521458	Y
8	IC 480-703484/14	100.0	155.19555	25.0	154820.0	1.551955	Y



Calibration / Dibromomethane

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

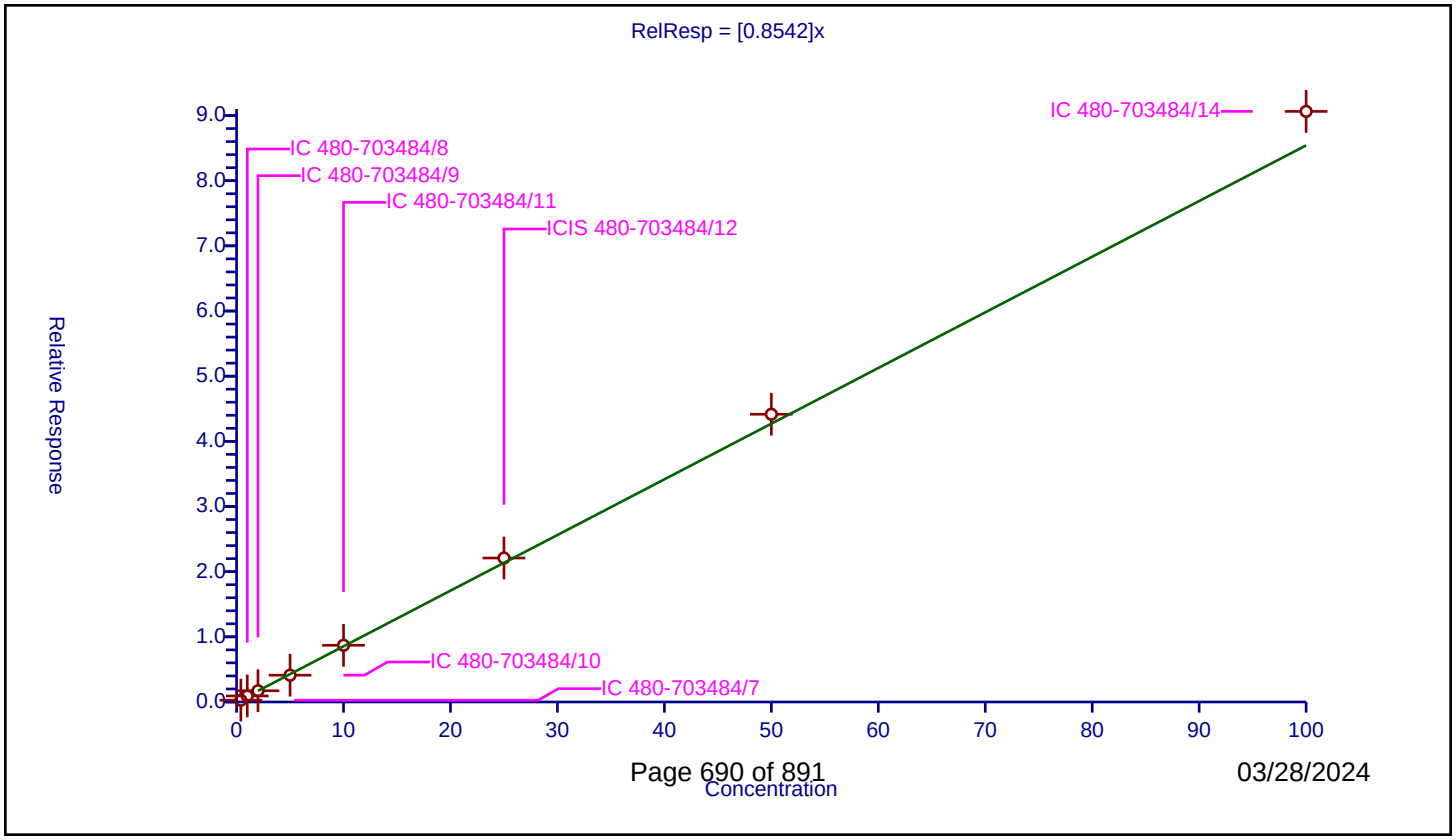
Curve Coefficients

Intercept:	0
Slope:	0.8542

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.270971	25.0	139037.0	0.677428	Y
2	IC 480-703484/8	1.0	0.928905	25.0	148266.0	0.928905	Y
3	IC 480-703484/9	2.0	1.723251	25.0	162295.0	0.861625	Y
4	IC 480-703484/10	5.0	4.110201	25.0	157912.0	0.82204	Y
5	IC 480-703484/11	10.0	8.703009	25.0	143324.0	0.870301	Y
6	ICIS 480-703484/12	25.0	22.094234	25.0	160388.0	0.883769	Y
7	IC 480-703484/13	50.0	44.158153	25.0	155931.0	0.883163	Y
8	IC 480-703484/14	100.0	90.634123	25.0	154820.0	0.906341	Y



Calibration / 1,4-Dioxane

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

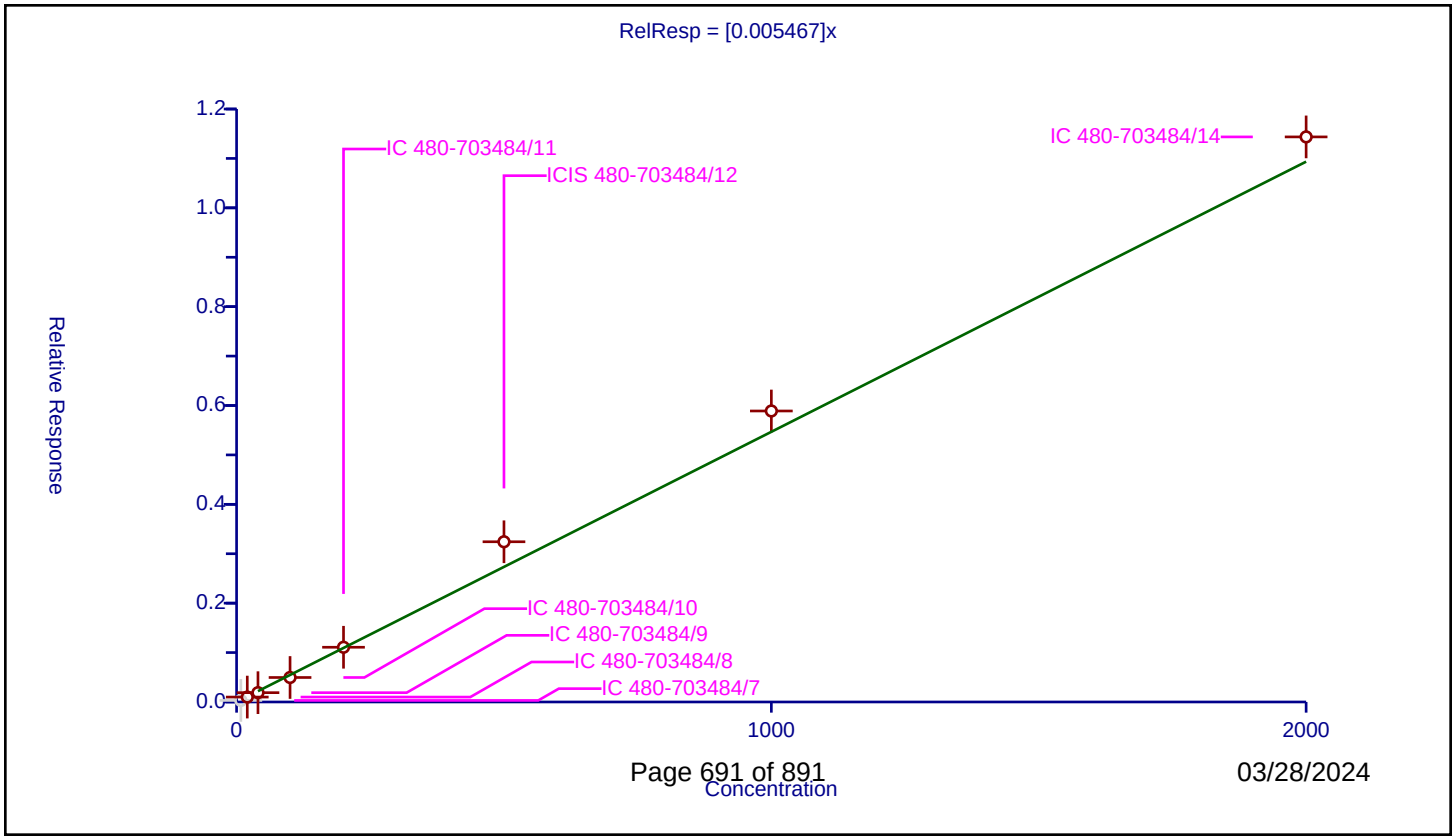
Curve Coefficients

Intercept:	0
Slope:	0.005467

Error Coefficients

Relative Standard Deviation:	11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	8.0	0.031322	25.0	523587.0	0.003915	N
2	IC 480-703484/8	20.0	0.099355	25.0	564642.0	0.004968	Y
3	IC 480-703484/9	40.0	0.188838	25.0	641424.0	0.004721	Y
4	IC 480-703484/10	100.0	0.495428	25.0	605486.0	0.004954	Y
5	IC 480-703484/11	200.0	1.107496	25.0	565465.0	0.005537	Y
6	ICIS 480-703484/12	500.0	3.242451	25.0	590379.0	0.006485	Y
7	IC 480-703484/13	1000.0	5.889209	25.0	593055.0	0.005889	Y
8	IC 480-703484/14	2000.0	11.435651	25.0	611148.0	0.005718	Y



Calibration / Dichlorobromomethane

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

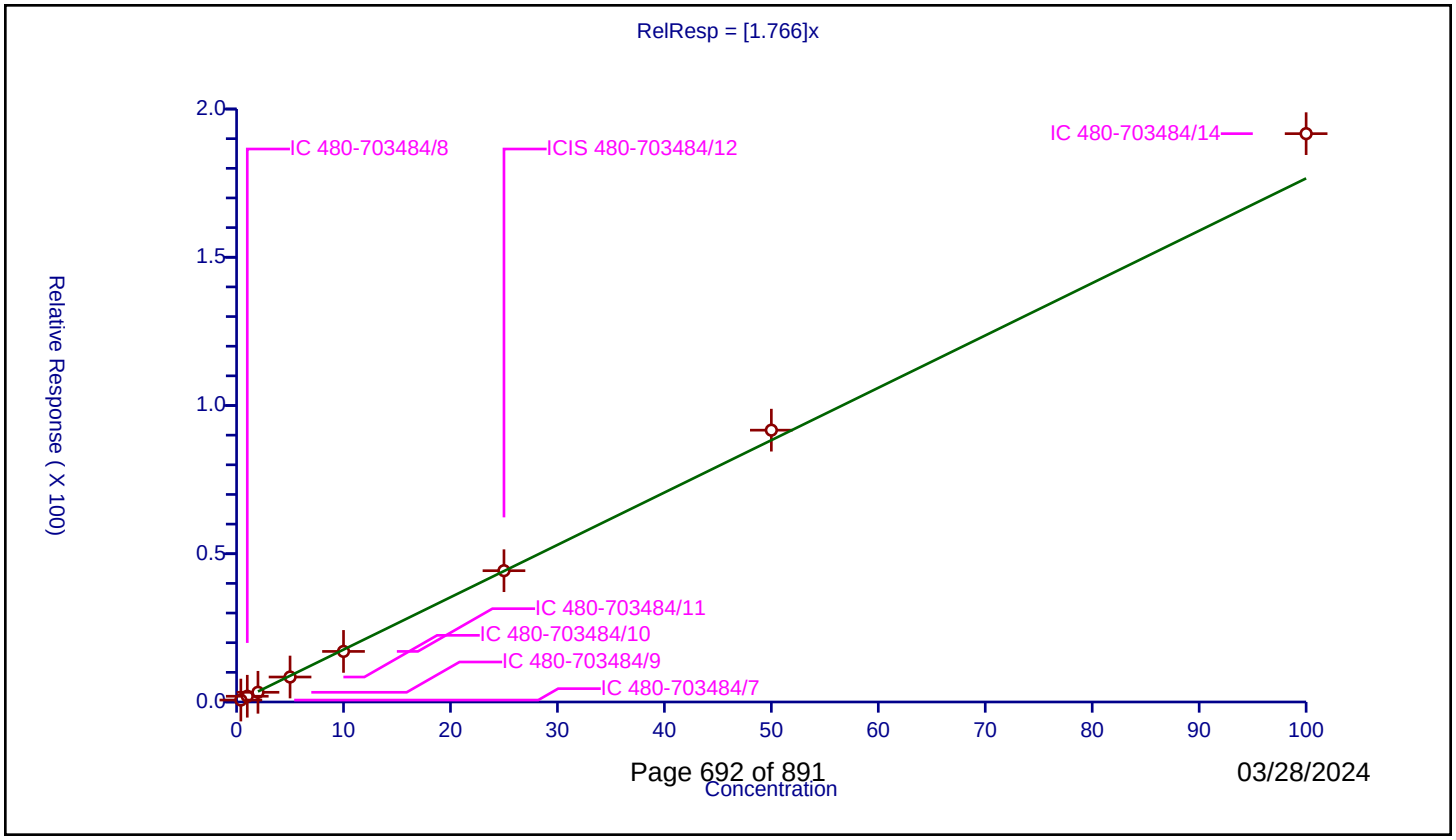
Curve Coefficients

Intercept:	0
Slope:	1.766

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.655941	25.0	139037.0	1.639851	Y
2	IC 480-703484/8	1.0	1.941443	25.0	148266.0	1.941443	Y
3	IC 480-703484/9	2.0	3.27182	25.0	162295.0	1.63591	Y
4	IC 480-703484/10	5.0	8.419404	25.0	157912.0	1.683881	Y
5	IC 480-703484/11	10.0	17.05489	25.0	143324.0	1.705489	Y
6	ICIS 480-703484/12	25.0	44.281835	25.0	160388.0	1.771273	Y
7	IC 480-703484/13	50.0	91.686387	25.0	155931.0	1.833728	Y
8	IC 480-703484/14	100.0	191.689058	25.0	154820.0	1.916891	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

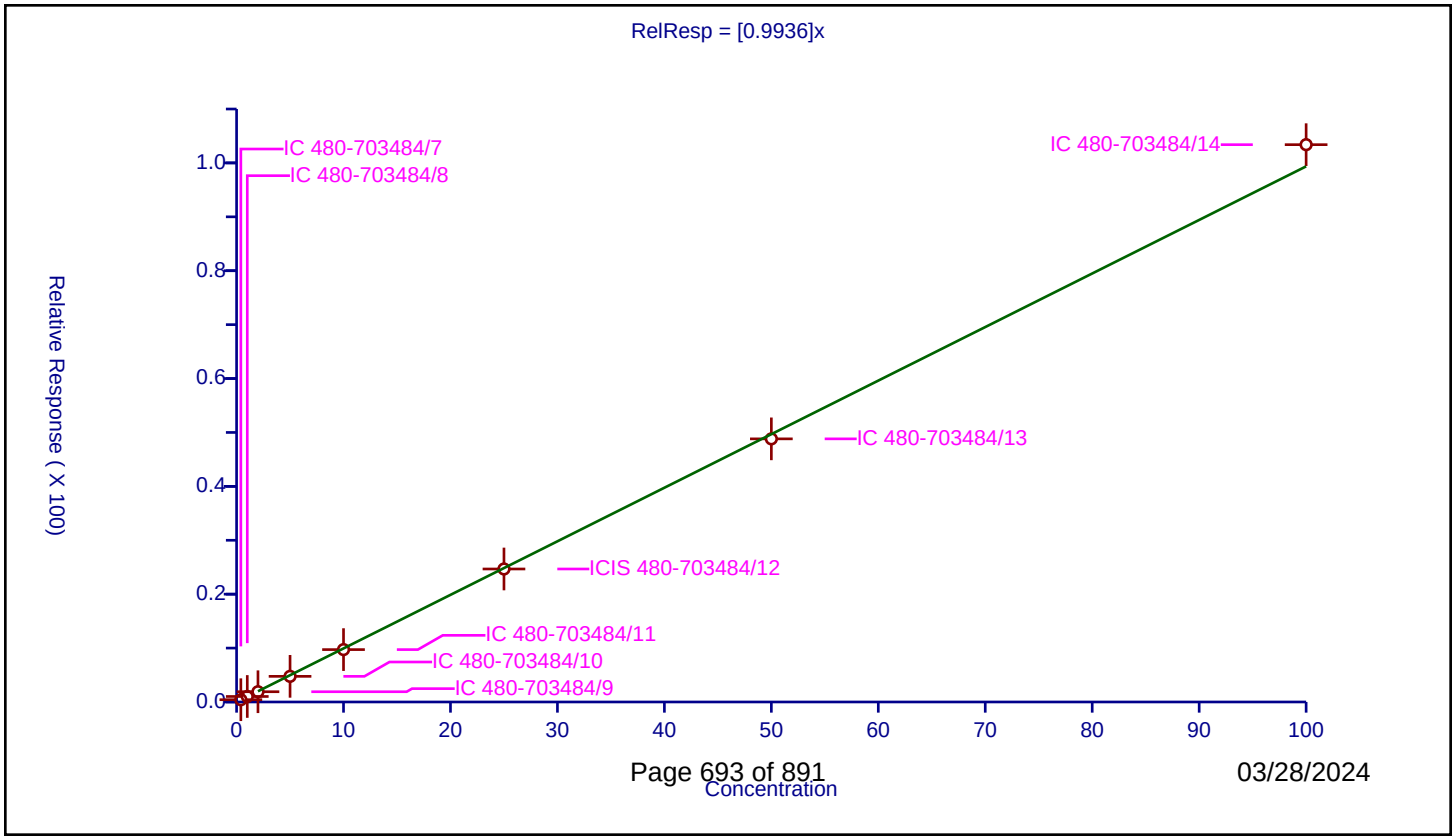
Curve Coefficients

Intercept:	0
Slope:	0.9936

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.421471	25.0	139037.0	1.053676	Y
2	IC 480-703484/8	1.0	1.023836	25.0	148266.0	1.023836	Y
3	IC 480-703484/9	2.0	1.903478	25.0	162295.0	0.951739	Y
4	IC 480-703484/10	5.0	4.754547	25.0	157912.0	0.950909	Y
5	IC 480-703484/11	10.0	9.716621	25.0	143324.0	0.971662	Y
6	ICIS 480-703484/12	25.0	24.671578	25.0	160388.0	0.986863	Y
7	IC 480-703484/13	50.0	48.810371	25.0	155931.0	0.976207	Y
8	IC 480-703484/14	100.0	103.386836	25.0	154820.0	1.033868	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

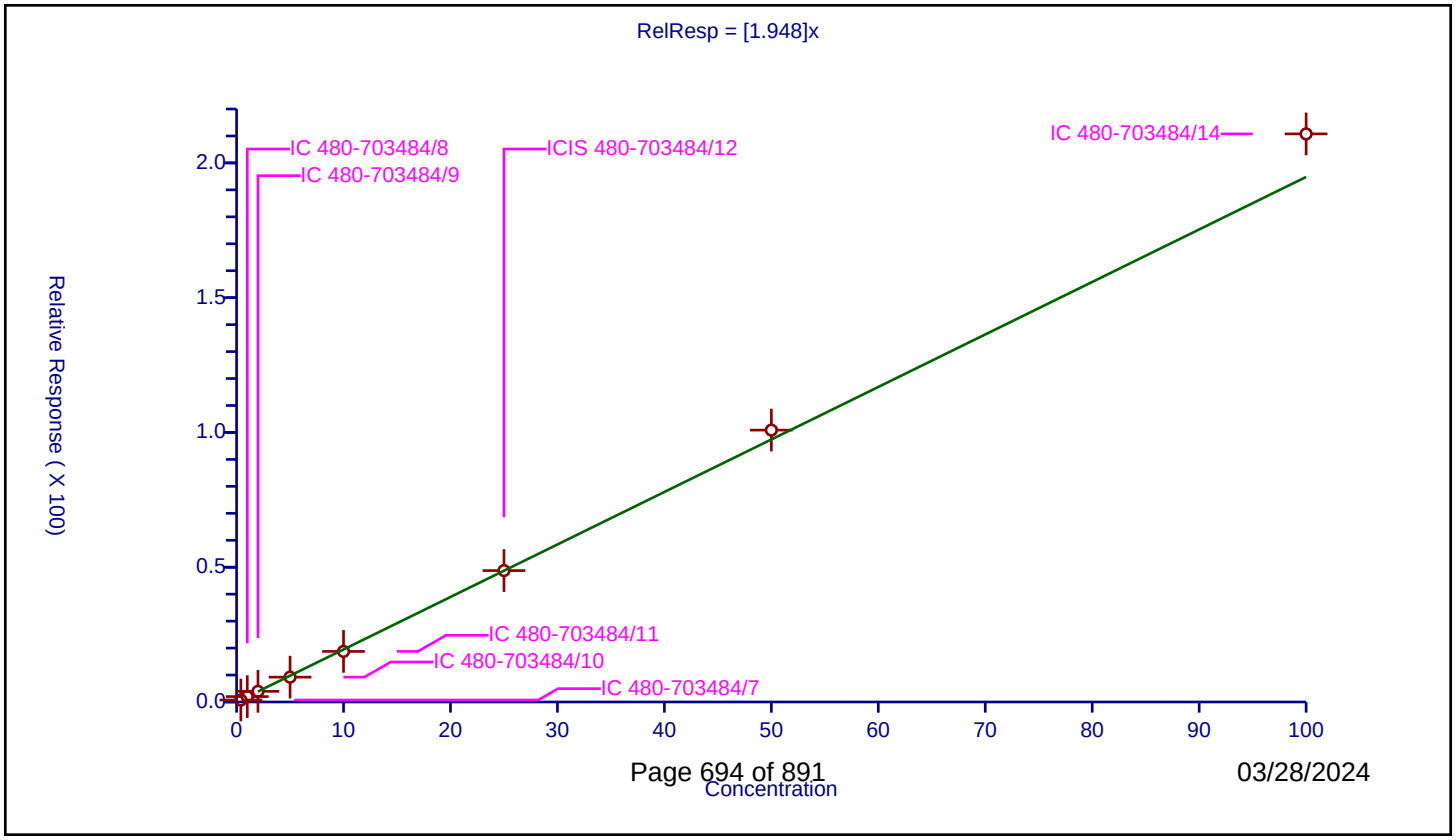
Curve Coefficients

Intercept:	0
Slope:	1.948

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.722649	25.0	139037.0	1.806623	Y
2	IC 480-703484/8	1.0	2.007878	25.0	148266.0	2.007878	Y
3	IC 480-703484/9	2.0	3.949136	25.0	162295.0	1.974568	Y
4	IC 480-703484/10	5.0	9.215101	25.0	157912.0	1.84302	Y
5	IC 480-703484/11	10.0	18.76221	25.0	143324.0	1.876221	Y
6	ICIS 480-703484/12	25.0	48.750374	25.0	160388.0	1.950015	Y
7	IC 480-703484/13	50.0	100.870738	25.0	155931.0	2.017415	Y
8	IC 480-703484/14	100.0	210.764436	25.0	154820.0	2.107644	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

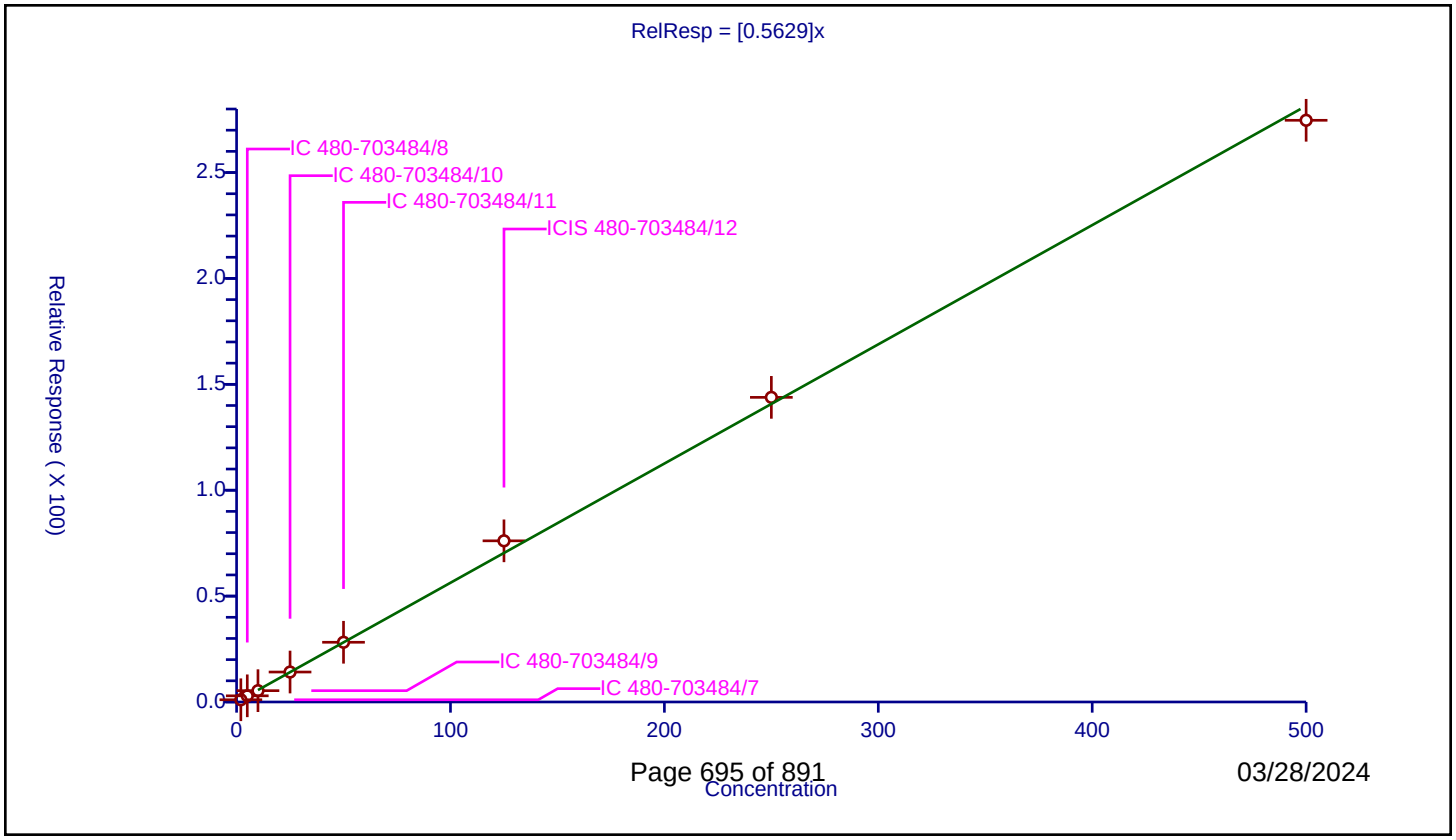
Curve Coefficients

Intercept:	0
Slope:	0.5629

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	2.0	1.046197	25.0	523587.0	0.523098	Y
2	IC 480-703484/8	5.0	2.912288	25.0	564642.0	0.582458	Y
3	IC 480-703484/9	10.0	5.344749	25.0	641424.0	0.534475	Y
4	IC 480-703484/10	25.0	14.145372	25.0	605486.0	0.565815	Y
5	IC 480-703484/11	50.0	28.204663	25.0	565465.0	0.564093	Y
6	ICIS 480-703484/12	125.0	76.103867	25.0	590379.0	0.608831	Y
7	IC 480-703484/13	250.0	143.847198	25.0	593055.0	0.575389	Y
8	IC 480-703484/14	500.0	274.677656	25.0	611148.0	0.549355	Y



Calibration / Toluene-d8 (Surr)

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

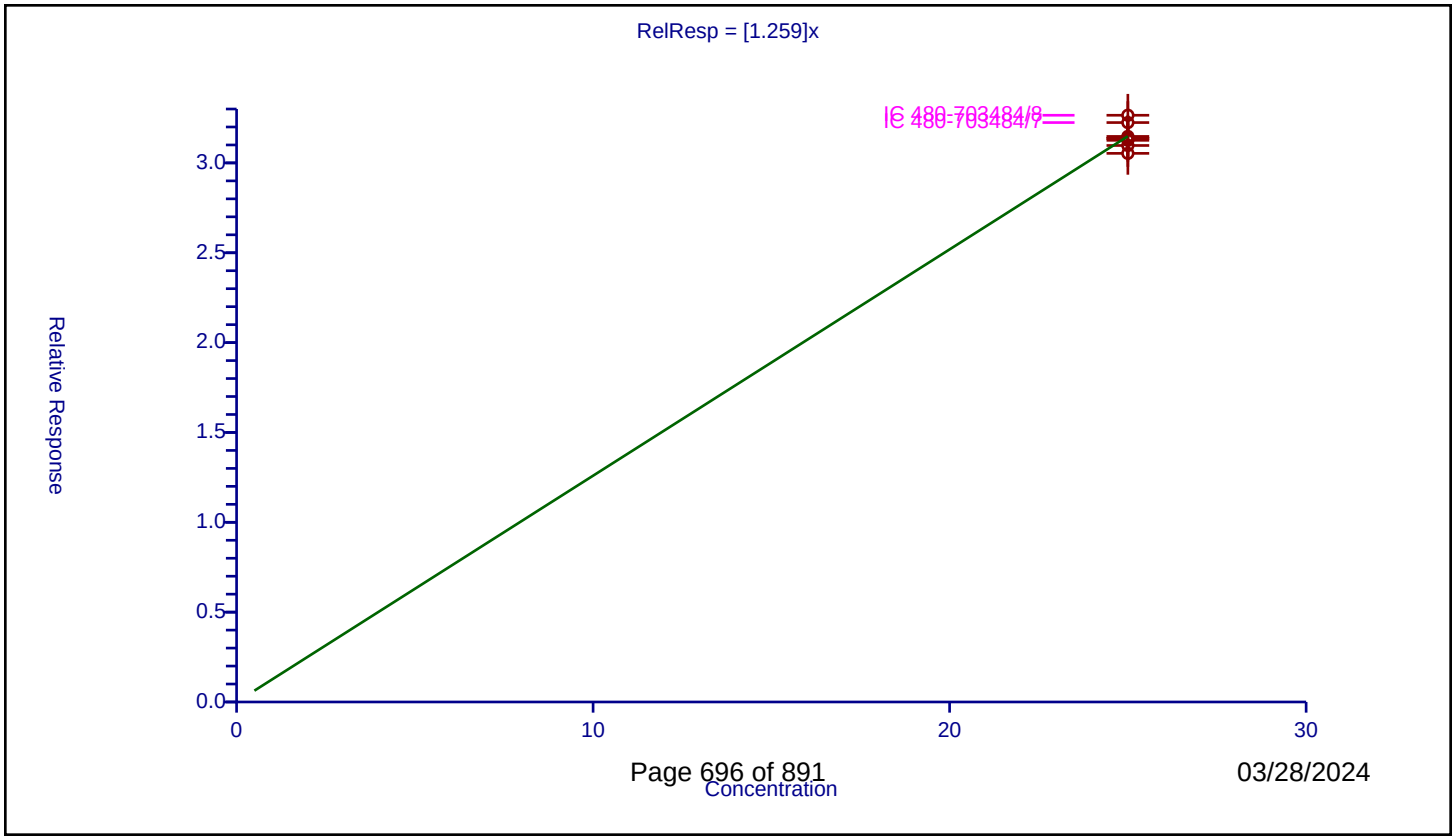
Curve Coefficients

Intercept:	0
Slope:	1.259

Error Coefficients

Relative Standard Deviation:	2.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	25.0	32.245405	25.0	523587.0	1.289816	Y
2	IC 480-703484/8	25.0	32.652061	25.0	564642.0	1.306082	Y
3	IC 480-703484/9	25.0	31.370708	25.0	641424.0	1.254828	Y
4	IC 480-703484/10	25.0	31.474716	25.0	605486.0	1.258989	Y
5	IC 480-703484/11	25.0	31.366884	25.0	565465.0	1.254675	Y
6	ICIS 480-703484/12	25.0	30.970529	25.0	590379.0	1.238821	Y
7	IC 480-703484/13	25.0	31.258357	25.0	593055.0	1.250334	Y
8	IC 480-703484/14	25.0	30.531762	25.0	611148.0	1.22127	Y



Calibration / Toluene

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

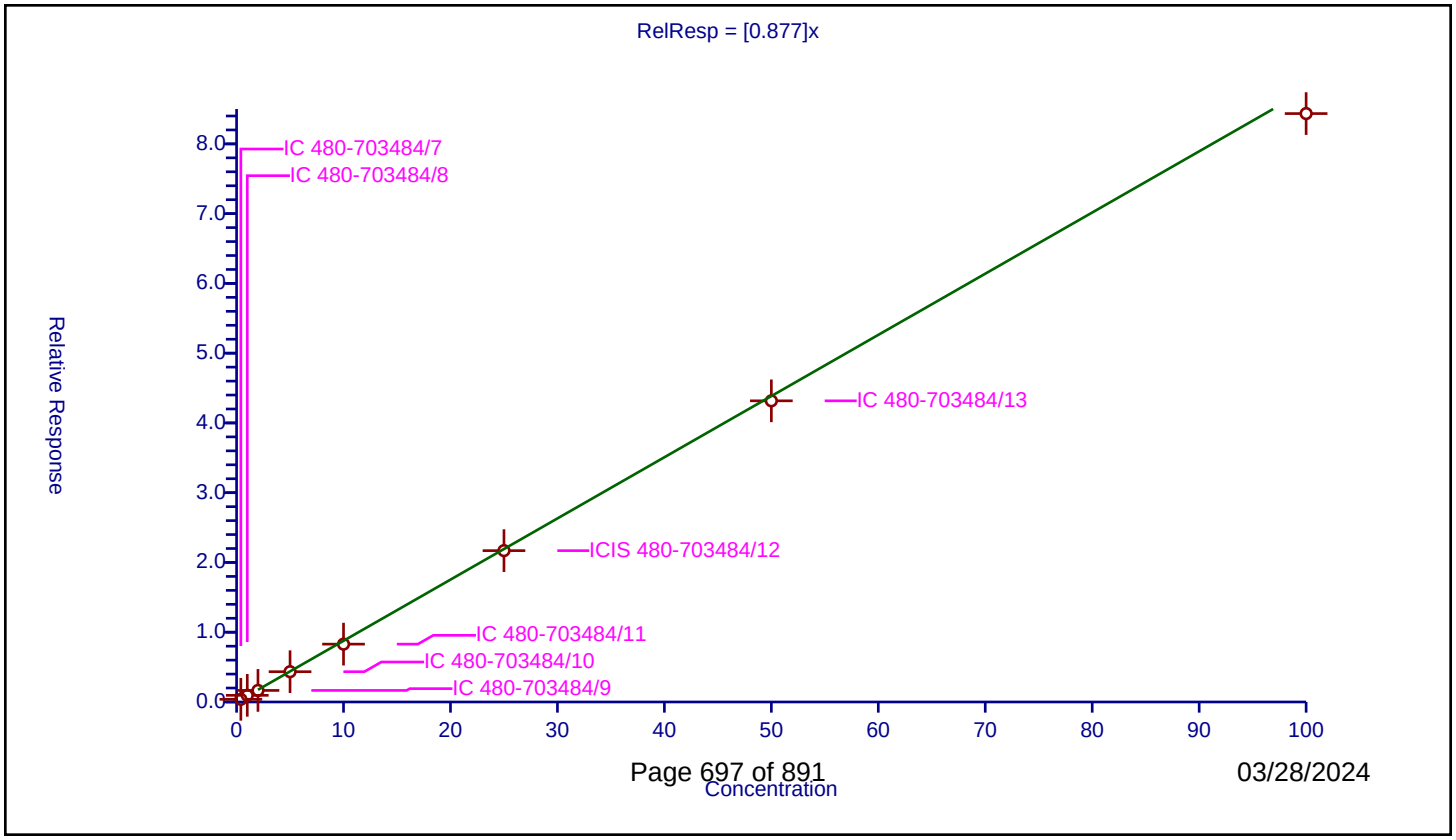
Curve Coefficients

Intercept:	0
Slope:	0.877

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.385036	25.0	523587.0	0.962591	Y
2	IC 480-703484/8	1.0	0.953303	25.0	564642.0	0.953303	Y
3	IC 480-703484/9	2.0	1.657172	25.0	641424.0	0.828586	Y
4	IC 480-703484/10	5.0	4.339531	25.0	605486.0	0.867906	Y
5	IC 480-703484/11	10.0	8.292025	25.0	565465.0	0.829203	Y
6	ICIS 480-703484/12	25.0	21.694496	25.0	590379.0	0.86778	Y
7	IC 480-703484/13	50.0	43.169478	25.0	593055.0	0.86339	Y
8	IC 480-703484/14	100.0	84.347286	25.0	611148.0	0.843473	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

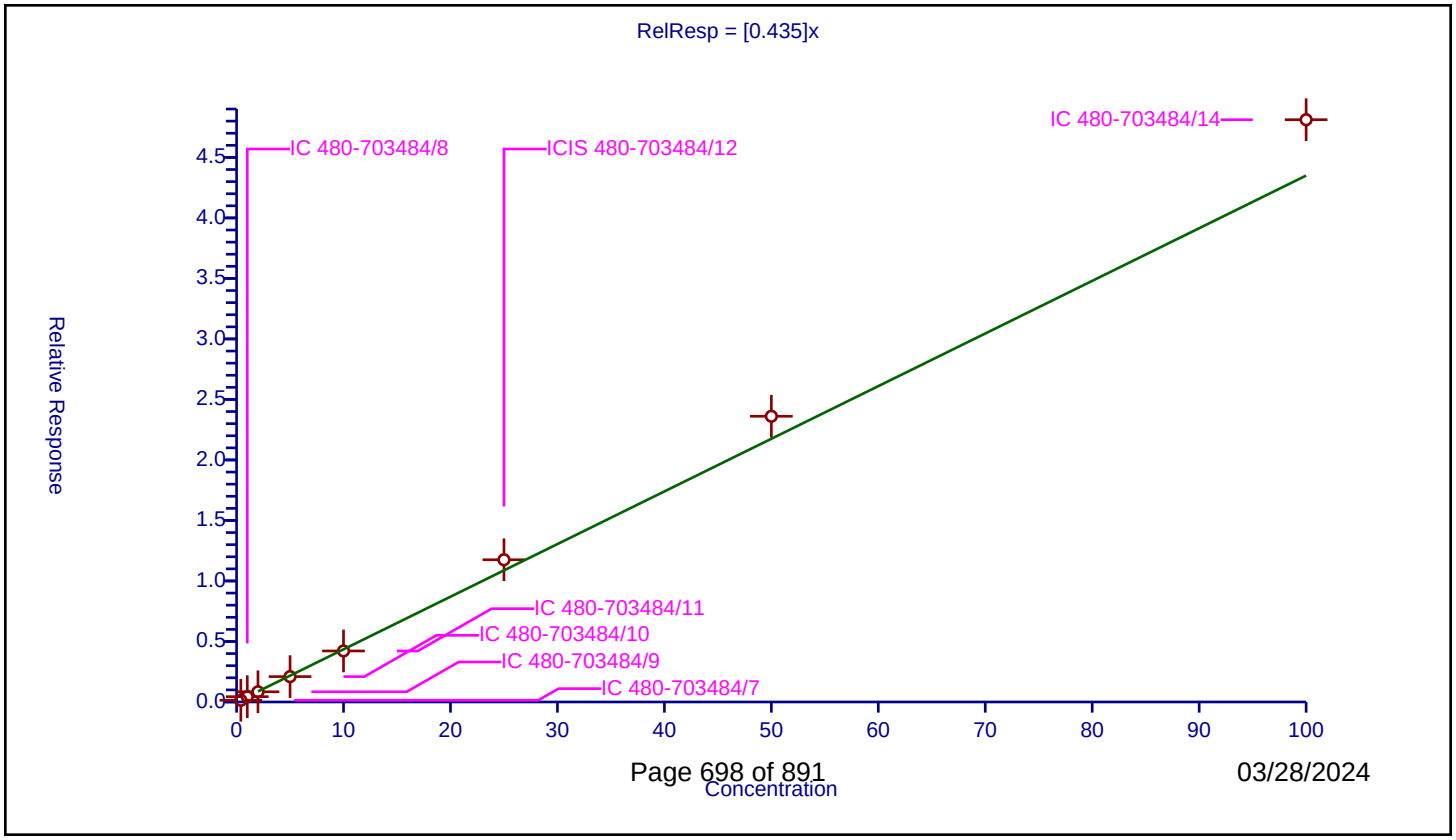
Curve Coefficients

Intercept:	0
Slope:	0.435

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.142049	25.0	523587.0	0.355122	Y
2	IC 480-703484/8	1.0	0.439216	25.0	564642.0	0.439216	Y
3	IC 480-703484/9	2.0	0.842345	25.0	641424.0	0.421172	Y
4	IC 480-703484/10	5.0	2.096333	25.0	605486.0	0.419267	Y
5	IC 480-703484/11	10.0	4.216043	25.0	565465.0	0.421604	Y
6	ICIS 480-703484/12	25.0	11.752789	25.0	590379.0	0.470112	Y
7	IC 480-703484/13	50.0	23.611216	25.0	593055.0	0.472224	Y
8	IC 480-703484/14	100.0	48.115391	25.0	611148.0	0.481154	Y



Calibration / Ethyl methacrylate

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

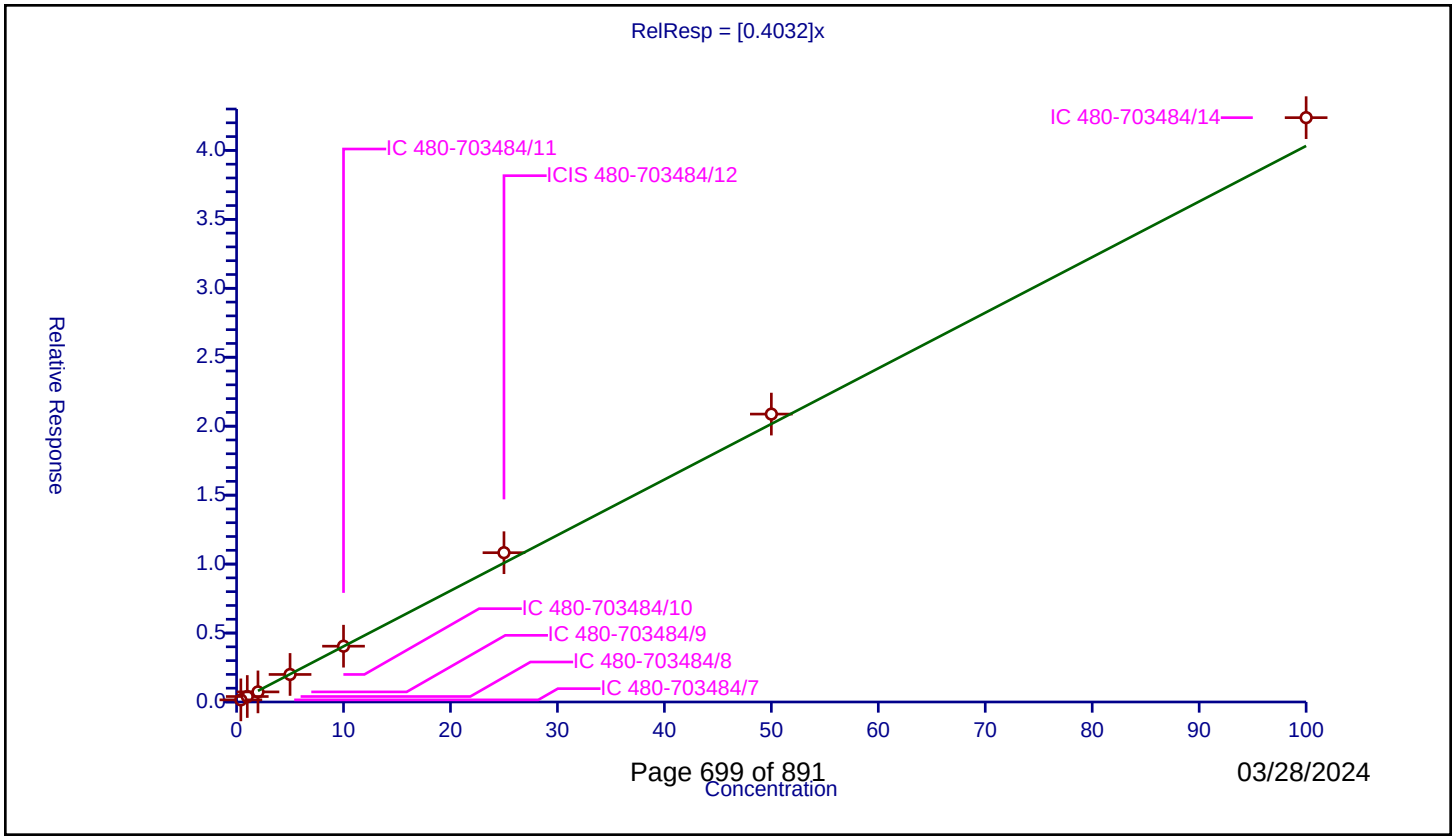
Curve Coefficients

Intercept:	0
Slope:	0.4032

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.153508	25.0	523587.0	0.383771	Y
2	IC 480-703484/8	1.0	0.39804	25.0	564642.0	0.39804	Y
3	IC 480-703484/9	2.0	0.731965	25.0	641424.0	0.365983	Y
4	IC 480-703484/10	5.0	1.995752	25.0	605486.0	0.39915	Y
5	IC 480-703484/11	10.0	4.04583	25.0	565465.0	0.404583	Y
6	ICIS 480-703484/12	25.0	10.826732	25.0	590379.0	0.433069	Y
7	IC 480-703484/13	50.0	20.877575	25.0	593055.0	0.417551	Y
8	IC 480-703484/14	100.0	42.373042	25.0	611148.0	0.42373	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

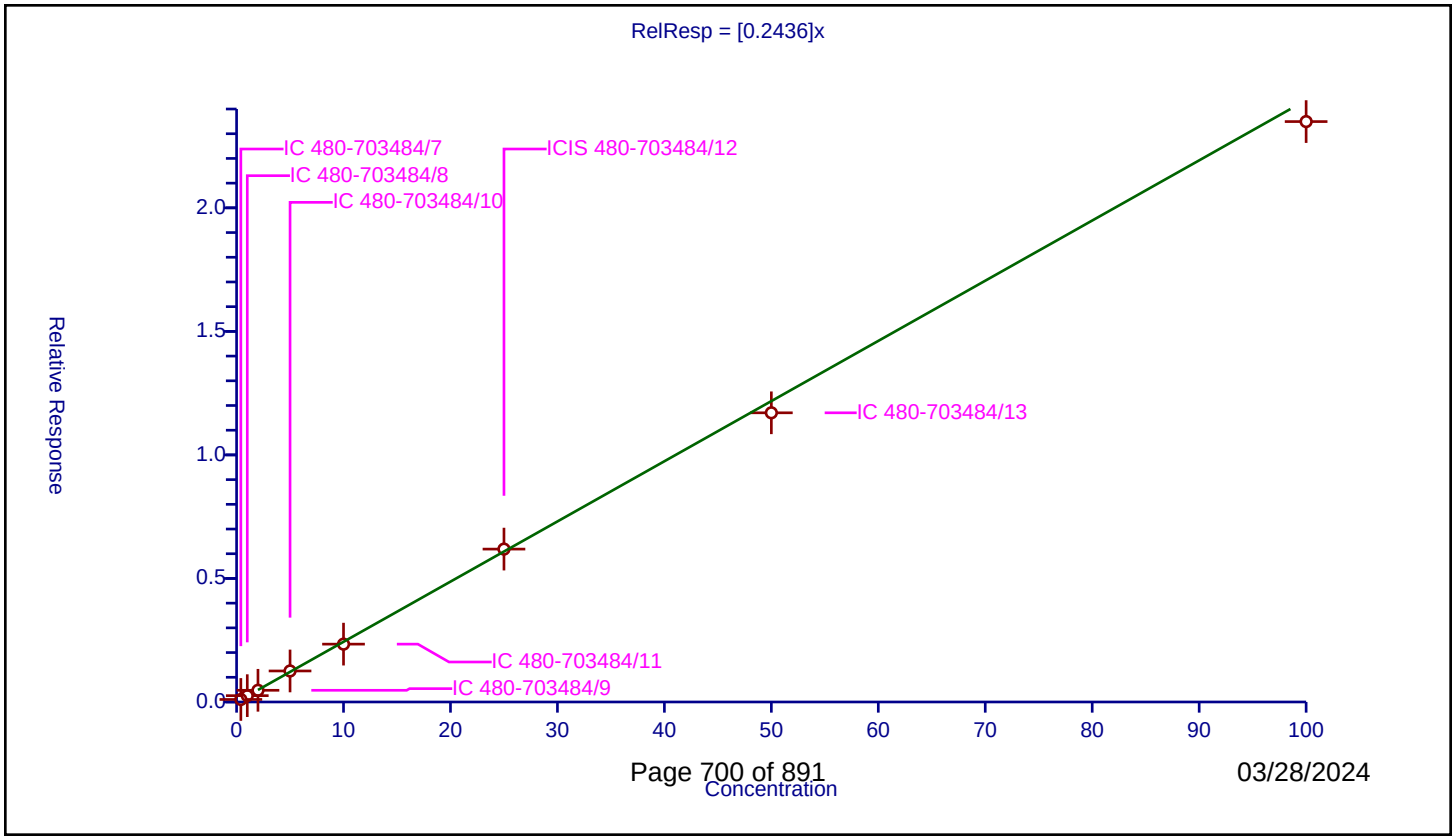
Curve Coefficients

Intercept:	0
Slope:	0.2436

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.101559	25.0	523587.0	0.253898	Y
2	IC 480-703484/8	1.0	0.256224	25.0	564642.0	0.256224	Y
3	IC 480-703484/9	2.0	0.473244	25.0	641424.0	0.236622	Y
4	IC 480-703484/10	5.0	1.255809	25.0	605486.0	0.251162	Y
5	IC 480-703484/11	10.0	2.34148	25.0	565465.0	0.234148	Y
6	ICIS 480-703484/12	25.0	6.188355	25.0	590379.0	0.247534	Y
7	IC 480-703484/13	50.0	11.704226	25.0	593055.0	0.234085	Y
8	IC 480-703484/14	100.0	23.491814	25.0	611148.0	0.234918	Y



Calibration / Tetrachloroethene

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

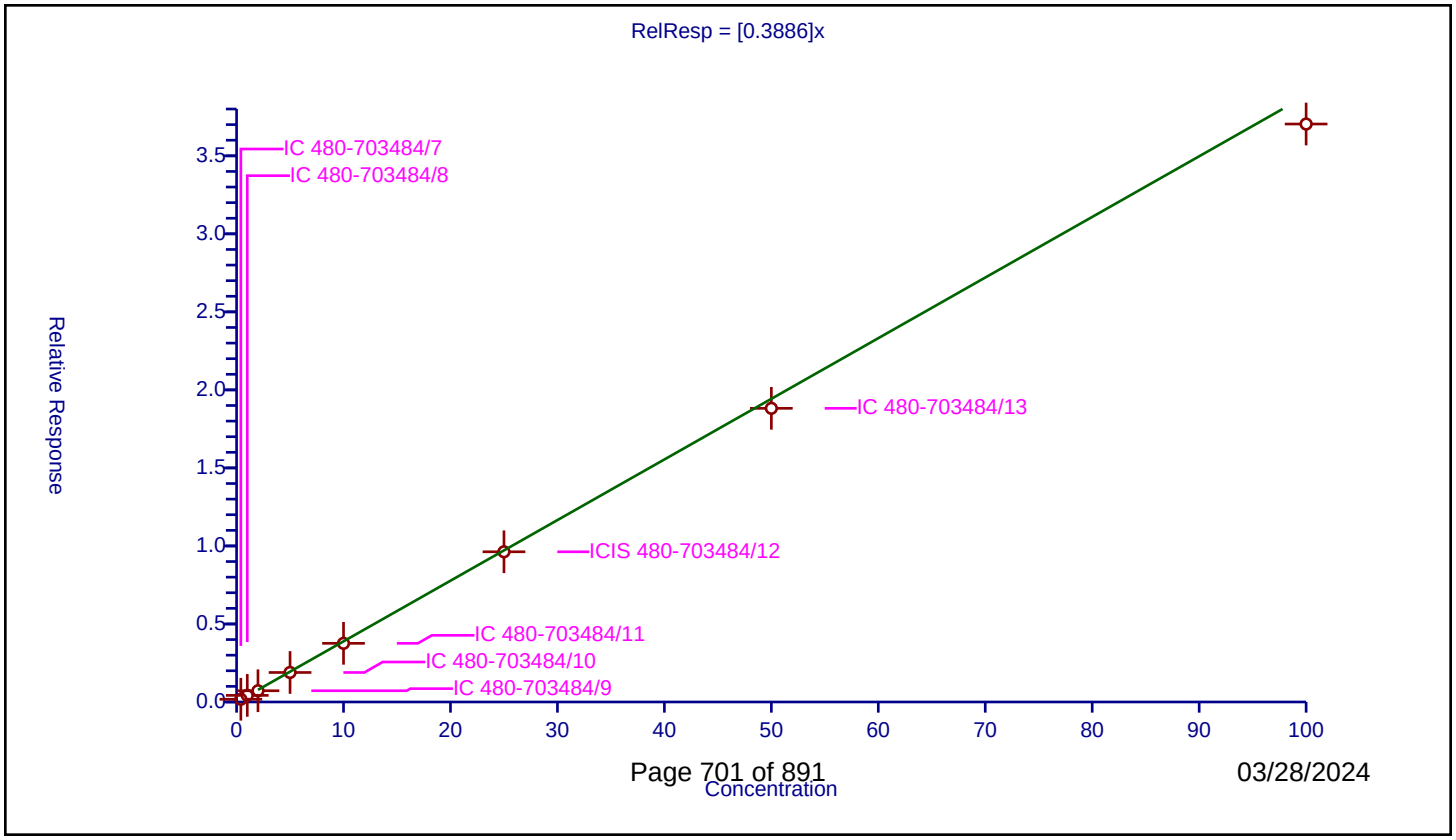
Curve Coefficients

Intercept:	0
Slope:	0.3886

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.175759	25.0	523587.0	0.439397	Y
2	IC 480-703484/8	1.0	0.4231	25.0	564642.0	0.4231	Y
3	IC 480-703484/9	2.0	0.719961	25.0	641424.0	0.35998	Y
4	IC 480-703484/10	5.0	1.891538	25.0	605486.0	0.378308	Y
5	IC 480-703484/11	10.0	3.758765	25.0	565465.0	0.375876	Y
6	ICIS 480-703484/12	25.0	9.62602	25.0	590379.0	0.385041	Y
7	IC 480-703484/13	50.0	18.819671	25.0	593055.0	0.376393	Y
8	IC 480-703484/14	100.0	37.038573	25.0	611148.0	0.370386	Y



Calibration / 1,3-Dichloropropane

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

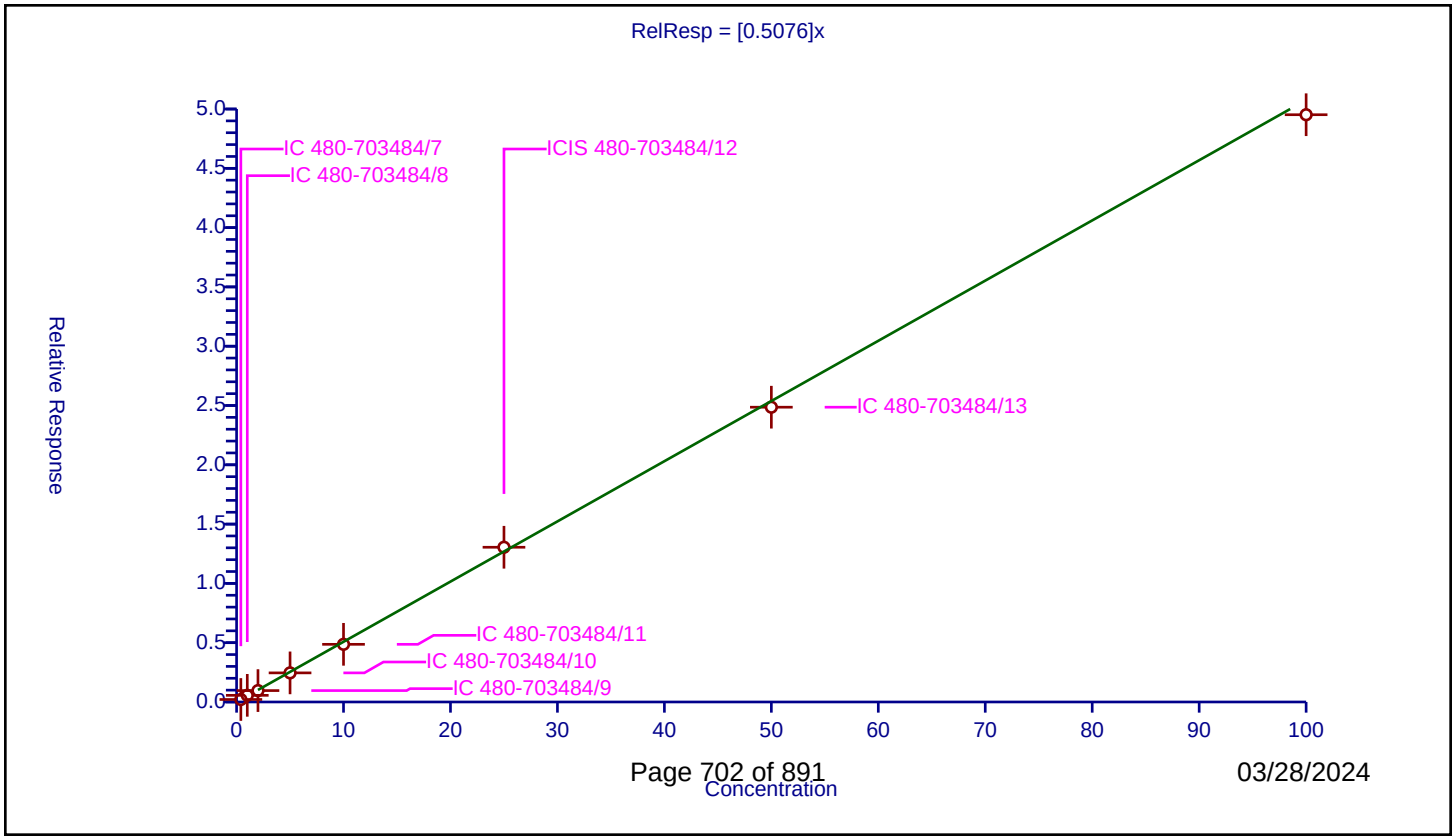
Curve Coefficients

Intercept:	0
Slope:	0.5076

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.21071	25.0	523587.0	0.526775	Y
2	IC 480-703484/8	1.0	0.561551	25.0	564642.0	0.561551	Y
3	IC 480-703484/9	2.0	0.962	25.0	641424.0	0.481	Y
4	IC 480-703484/10	5.0	2.453938	25.0	605486.0	0.490788	Y
5	IC 480-703484/11	10.0	4.861707	25.0	565465.0	0.486171	Y
6	ICIS 480-703484/12	25.0	13.046492	25.0	590379.0	0.52186	Y
7	IC 480-703484/13	50.0	24.857475	25.0	593055.0	0.49715	Y
8	IC 480-703484/14	100.0	49.519388	25.0	611148.0	0.495194	Y



Calibration / 2-Hexanone

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

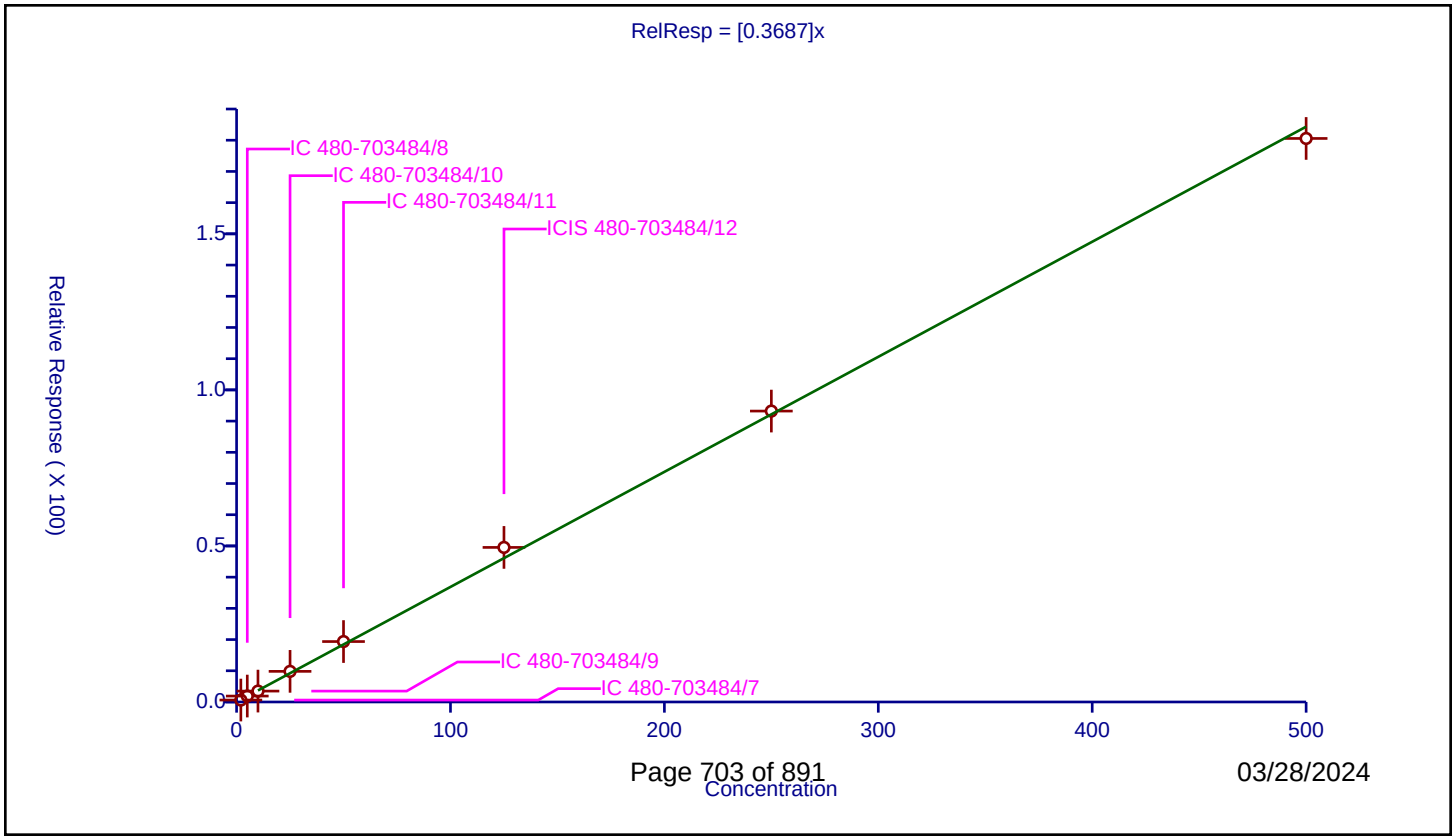
Curve Coefficients

Intercept:	0
Slope:	0.3687

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	2.0	0.62005	25.0	523587.0	0.310025	Y
2	IC 480-703484/8	5.0	1.899876	25.0	564642.0	0.379975	Y
3	IC 480-703484/9	10.0	3.494179	25.0	641424.0	0.349418	Y
4	IC 480-703484/10	25.0	9.810797	25.0	605486.0	0.392432	Y
5	IC 480-703484/11	50.0	19.363886	25.0	565465.0	0.387278	Y
6	ICIS 480-703484/12	125.0	49.525093	25.0	590379.0	0.396201	Y
7	IC 480-703484/13	250.0	93.21353	25.0	593055.0	0.372854	Y
8	IC 480-703484/14	500.0	180.562973	25.0	611148.0	0.361126	Y



Calibration / Chlorodibromomethane

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

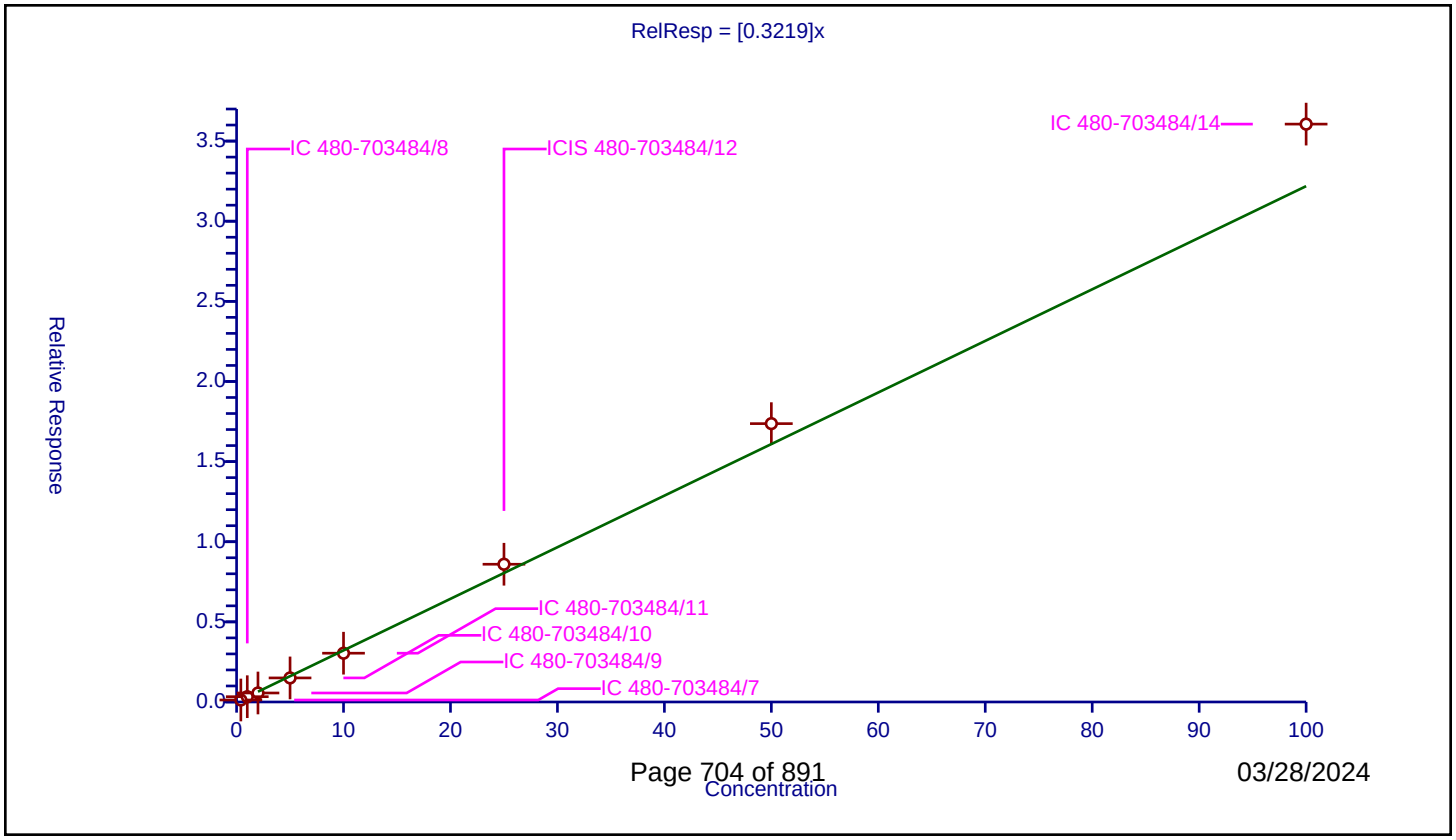
Curve Coefficients

Intercept:	0
Slope:	0.3219

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.123141	25.0	523587.0	0.307852	Y
2	IC 480-703484/8	1.0	0.329722	25.0	564642.0	0.329722	Y
3	IC 480-703484/9	2.0	0.561719	25.0	641424.0	0.280859	Y
4	IC 480-703484/10	5.0	1.501604	25.0	605486.0	0.300321	Y
5	IC 480-703484/11	10.0	3.043822	25.0	565465.0	0.304382	Y
6	ICIS 480-703484/12	25.0	8.59486	25.0	590379.0	0.343794	Y
7	IC 480-703484/13	50.0	17.369679	25.0	593055.0	0.347394	Y
8	IC 480-703484/14	100.0	36.058614	25.0	611148.0	0.360586	Y



Calibration / Ethylene Dibromide

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

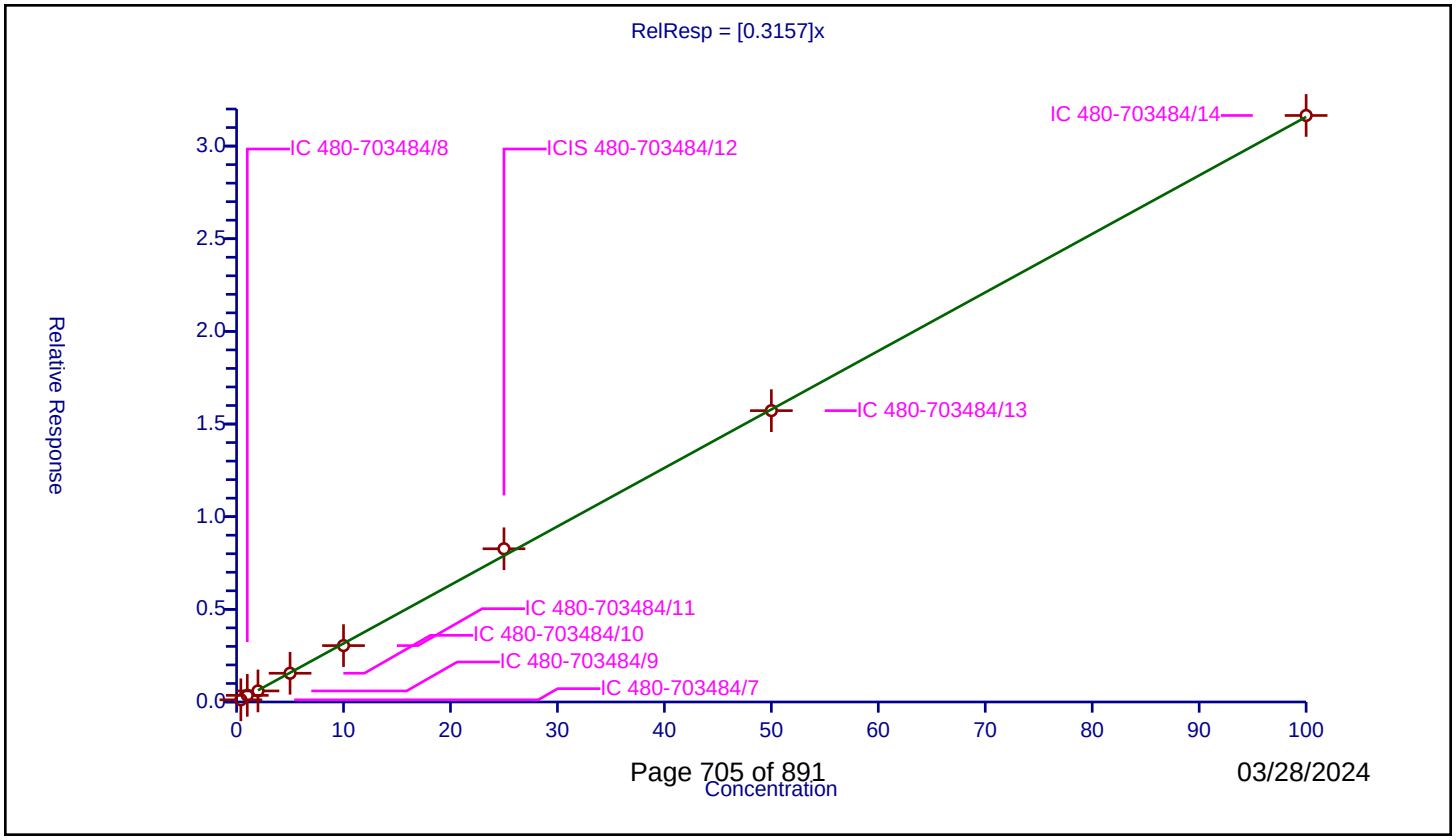
Curve Coefficients

Intercept:	0
Slope:	0.3157

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.117411	25.0	523587.0	0.293528	Y
2	IC 480-703484/8	1.0	0.358059	25.0	564642.0	0.358059	Y
3	IC 480-703484/9	2.0	0.596174	25.0	641424.0	0.298087	Y
4	IC 480-703484/10	5.0	1.550903	25.0	605486.0	0.310181	Y
5	IC 480-703484/11	10.0	3.043513	25.0	565465.0	0.304351	Y
6	ICIS 480-703484/12	25.0	8.268079	25.0	590379.0	0.330723	Y
7	IC 480-703484/13	50.0	15.72253	25.0	593055.0	0.314451	Y
8	IC 480-703484/14	100.0	31.652071	25.0	611148.0	0.316521	Y



Calibration / Chlorobenzene

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

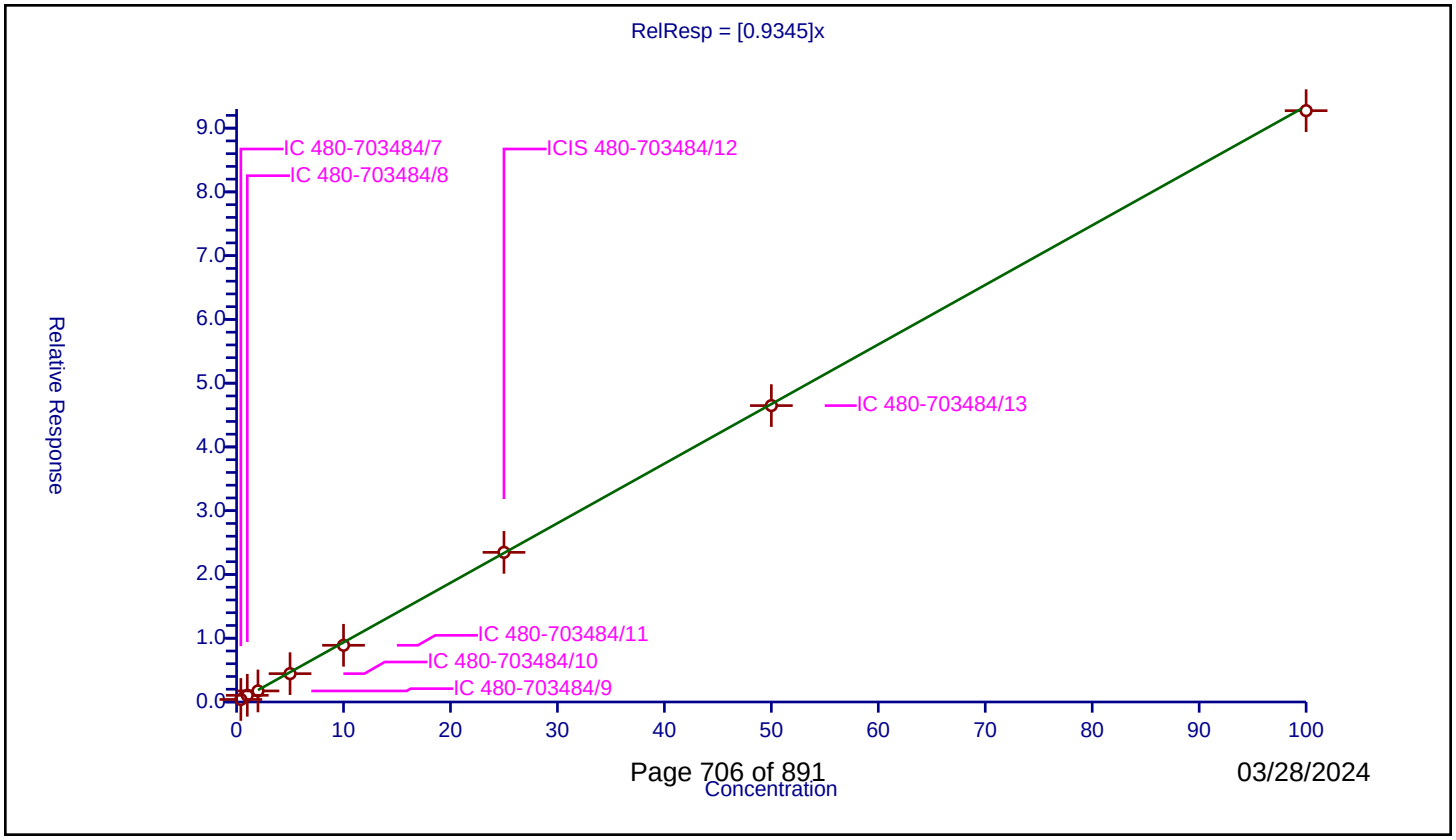
Curve Coefficients

Intercept:	0
Slope:	0.9345

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.394108	25.0	523587.0	0.985271	Y
2	IC 480-703484/8	1.0	1.049736	25.0	564642.0	1.049736	Y
3	IC 480-703484/9	2.0	1.733331	25.0	641424.0	0.866665	Y
4	IC 480-703484/10	5.0	4.444488	25.0	605486.0	0.888898	Y
5	IC 480-703484/11	10.0	8.894671	25.0	565465.0	0.889467	Y
6	ICIS 480-703484/12	25.0	23.468187	25.0	590379.0	0.938727	Y
7	IC 480-703484/13	50.0	46.483969	25.0	593055.0	0.929679	Y
8	IC 480-703484/14	100.0	92.739116	25.0	611148.0	0.927391	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

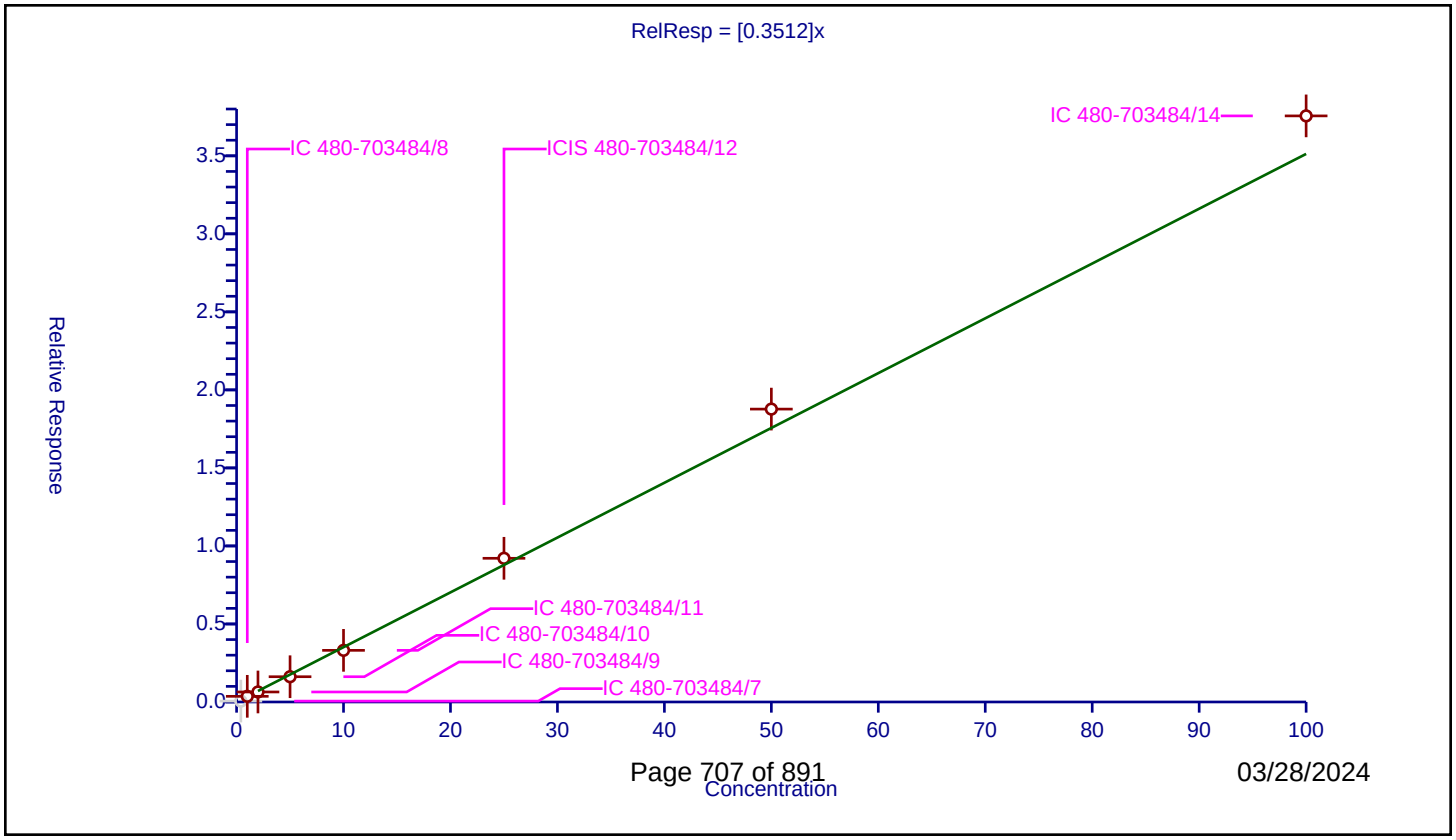
Curve Coefficients

Intercept:	0
Slope:	0.3512

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.057202	25.0	523587.0	0.143004	N
2	IC 480-703484/8	1.0	0.363549	25.0	564642.0	0.363549	Y
3	IC 480-703484/9	2.0	0.641931	25.0	641424.0	0.320966	Y
4	IC 480-703484/10	5.0	1.619113	25.0	605486.0	0.323823	Y
5	IC 480-703484/11	10.0	3.309312	25.0	565465.0	0.330931	Y
6	ICIS 480-703484/12	25.0	9.207602	25.0	590379.0	0.368304	Y
7	IC 480-703484/13	50.0	18.769507	25.0	593055.0	0.37539	Y
8	IC 480-703484/14	100.0	37.558578	25.0	611148.0	0.375586	Y



Calibration / Ethylbenzene

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

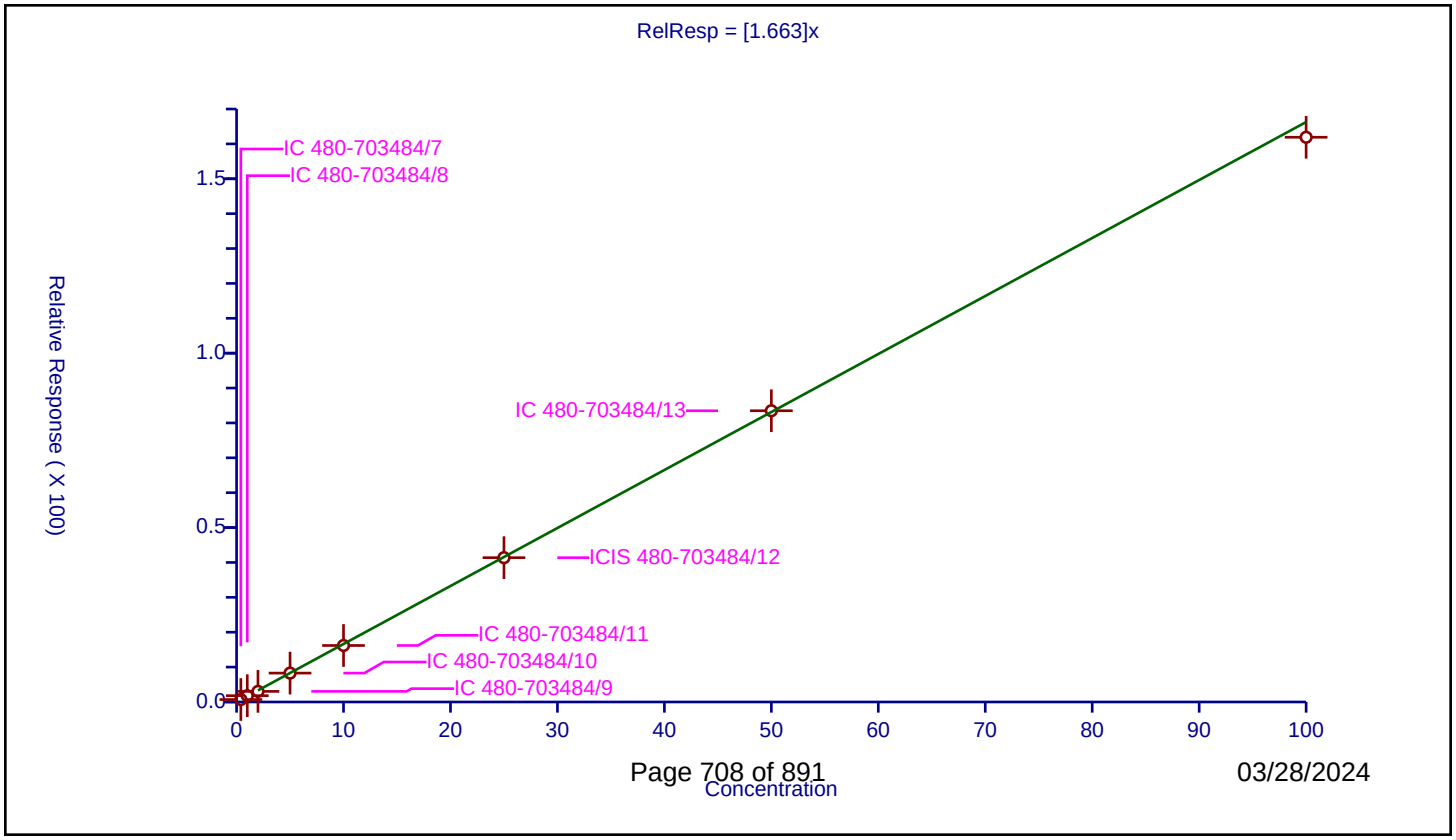
Curve Coefficients

Intercept:	0
Slope:	1.663

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.702605	25.0	523587.0	1.756513	Y
2	IC 480-703484/8	1.0	1.80641	25.0	564642.0	1.80641	Y
3	IC 480-703484/9	2.0	3.037967	25.0	641424.0	1.518984	Y
4	IC 480-703484/10	5.0	8.281364	25.0	605486.0	1.656273	Y
5	IC 480-703484/11	10.0	16.192426	25.0	565465.0	1.619243	Y
6	ICIS 480-703484/12	25.0	41.369231	25.0	590379.0	1.654769	Y
7	IC 480-703484/13	50.0	83.497905	25.0	593055.0	1.669958	Y
8	IC 480-703484/14	100.0	161.900023	25.0	611148.0	1.619	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

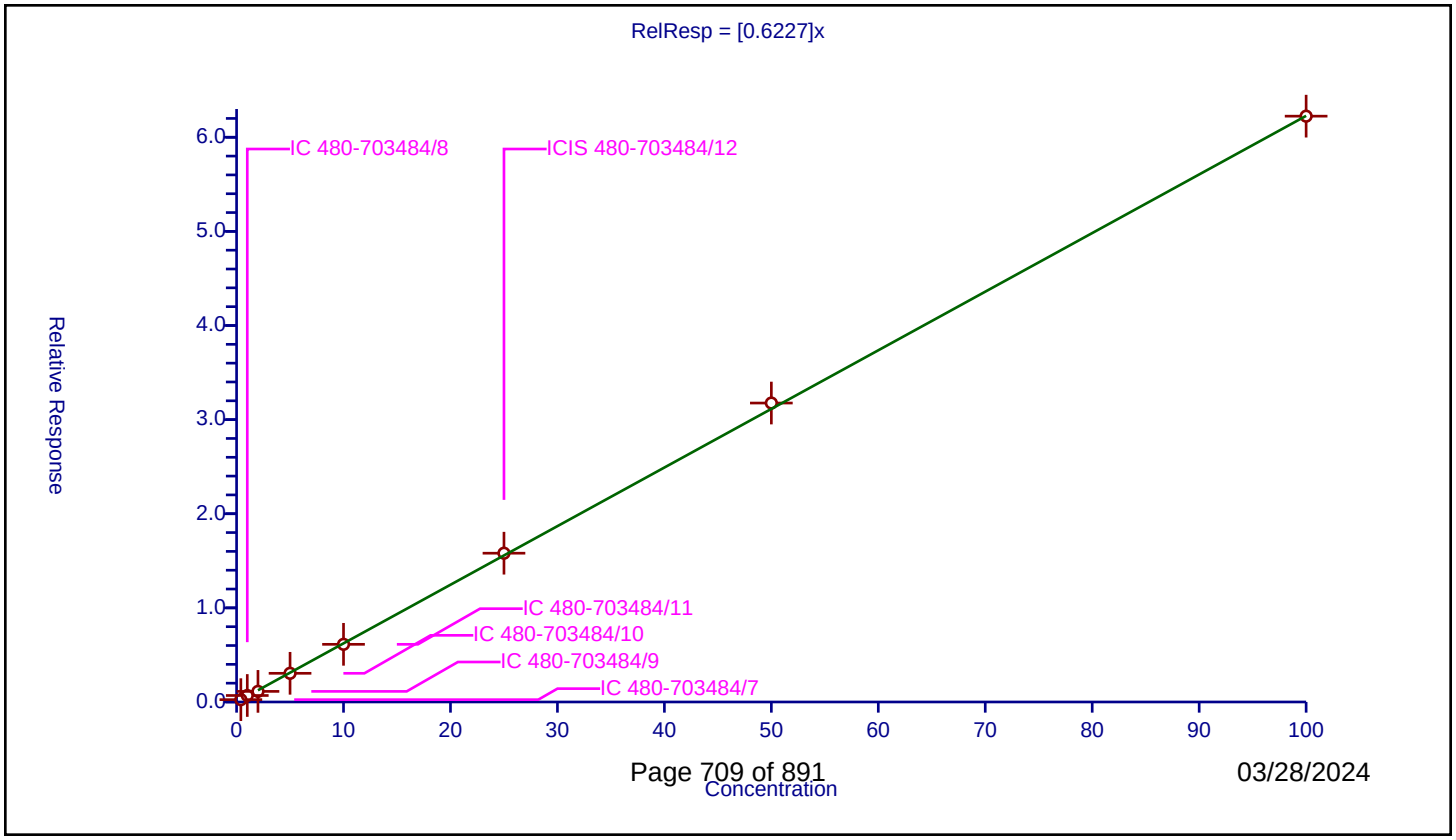
Curve Coefficients

Intercept:	0
Slope:	0.6227

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.246616	25.0	523587.0	0.61654	Y
2	IC 480-703484/8	1.0	0.689818	25.0	564642.0	0.689818	Y
3	IC 480-703484/9	2.0	1.126985	25.0	641424.0	0.563492	Y
4	IC 480-703484/10	5.0	3.047593	25.0	605486.0	0.609519	Y
5	IC 480-703484/11	10.0	6.126153	25.0	565465.0	0.612615	Y
6	ICIS 480-703484/12	25.0	15.807473	25.0	590379.0	0.632299	Y
7	IC 480-703484/13	50.0	31.760798	25.0	593055.0	0.635216	Y
8	IC 480-703484/14	100.0	62.239916	25.0	611148.0	0.622399	Y



Calibration / o-Xylene

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

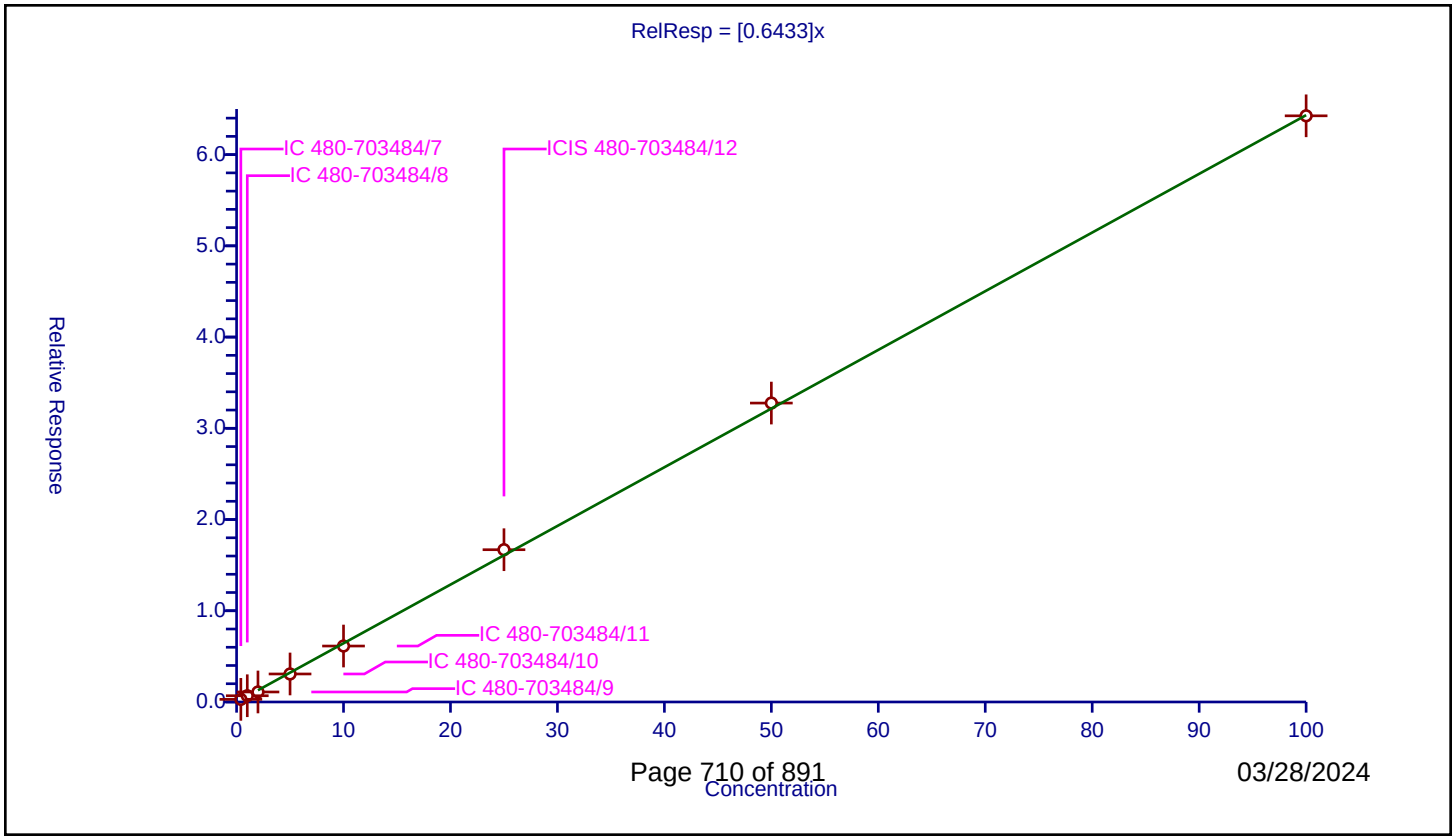
Curve Coefficients

Intercept:	0
Slope:	0.6433

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.287631	25.0	523587.0	0.719078	Y
2	IC 480-703484/8	1.0	0.68446	25.0	564642.0	0.68446	Y
3	IC 480-703484/9	2.0	1.098221	25.0	641424.0	0.54911	Y
4	IC 480-703484/10	5.0	3.07216	25.0	605486.0	0.614432	Y
5	IC 480-703484/11	10.0	6.134641	25.0	565465.0	0.613464	Y
6	ICIS 480-703484/12	25.0	16.691693	25.0	590379.0	0.667668	Y
7	IC 480-703484/13	50.0	32.76686	25.0	593055.0	0.655337	Y
8	IC 480-703484/14	100.0	64.254894	25.0	611148.0	0.642549	Y



Calibration / Styrene

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

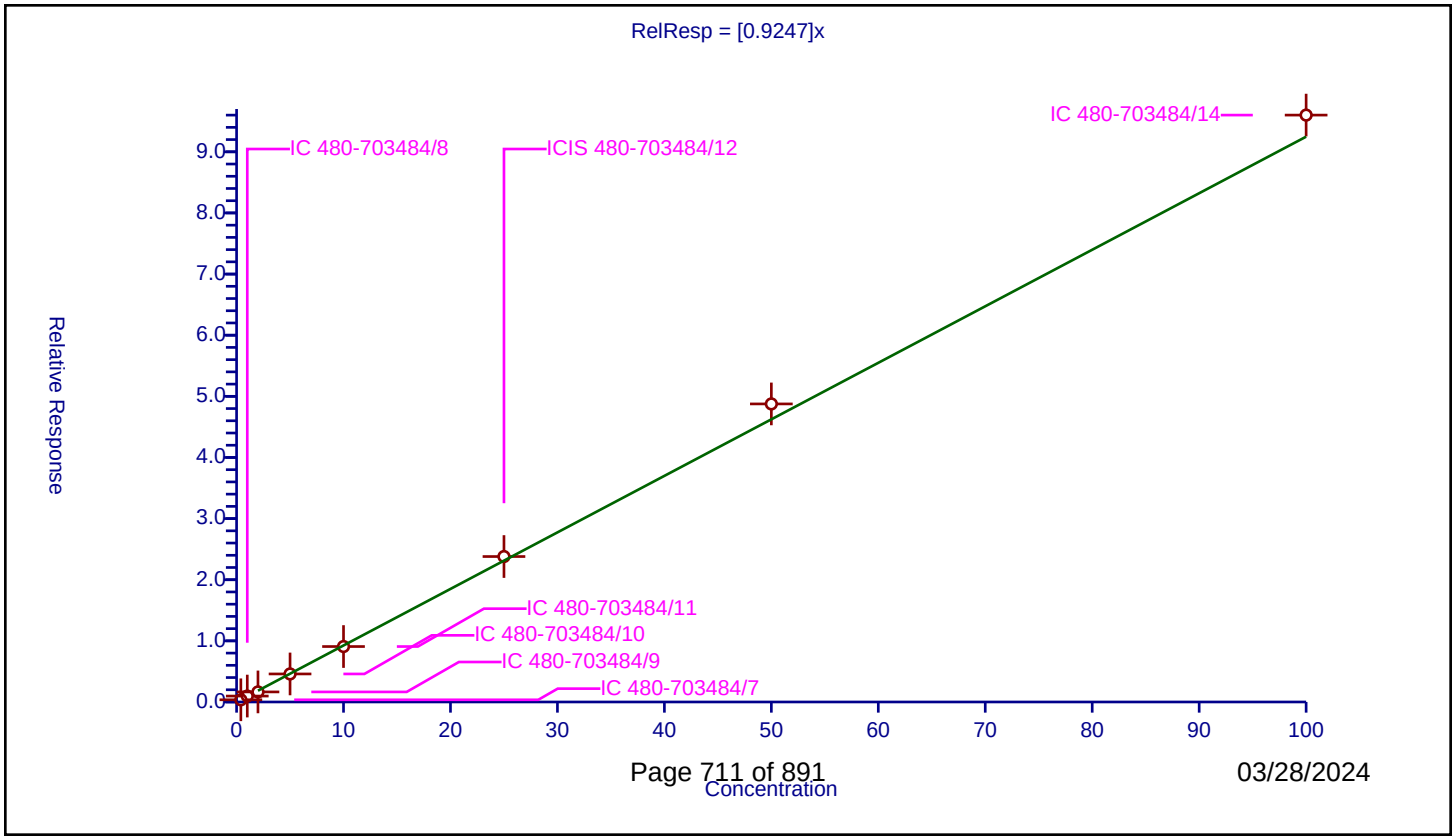
Curve Coefficients

Intercept:	0
Slope:	0.9247

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.357963	25.0	523587.0	0.894909	Y
2	IC 480-703484/8	1.0	0.969154	25.0	564642.0	0.969154	Y
3	IC 480-703484/9	2.0	1.644661	25.0	641424.0	0.82233	Y
4	IC 480-703484/10	5.0	4.5871	25.0	605486.0	0.91742	Y
5	IC 480-703484/11	10.0	9.069527	25.0	565465.0	0.906953	Y
6	ICIS 480-703484/12	25.0	23.792005	25.0	590379.0	0.95168	Y
7	IC 480-703484/13	50.0	48.758673	25.0	593055.0	0.975173	Y
8	IC 480-703484/14	100.0	96.007064	25.0	611148.0	0.960071	Y



Calibration / Bromoform

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

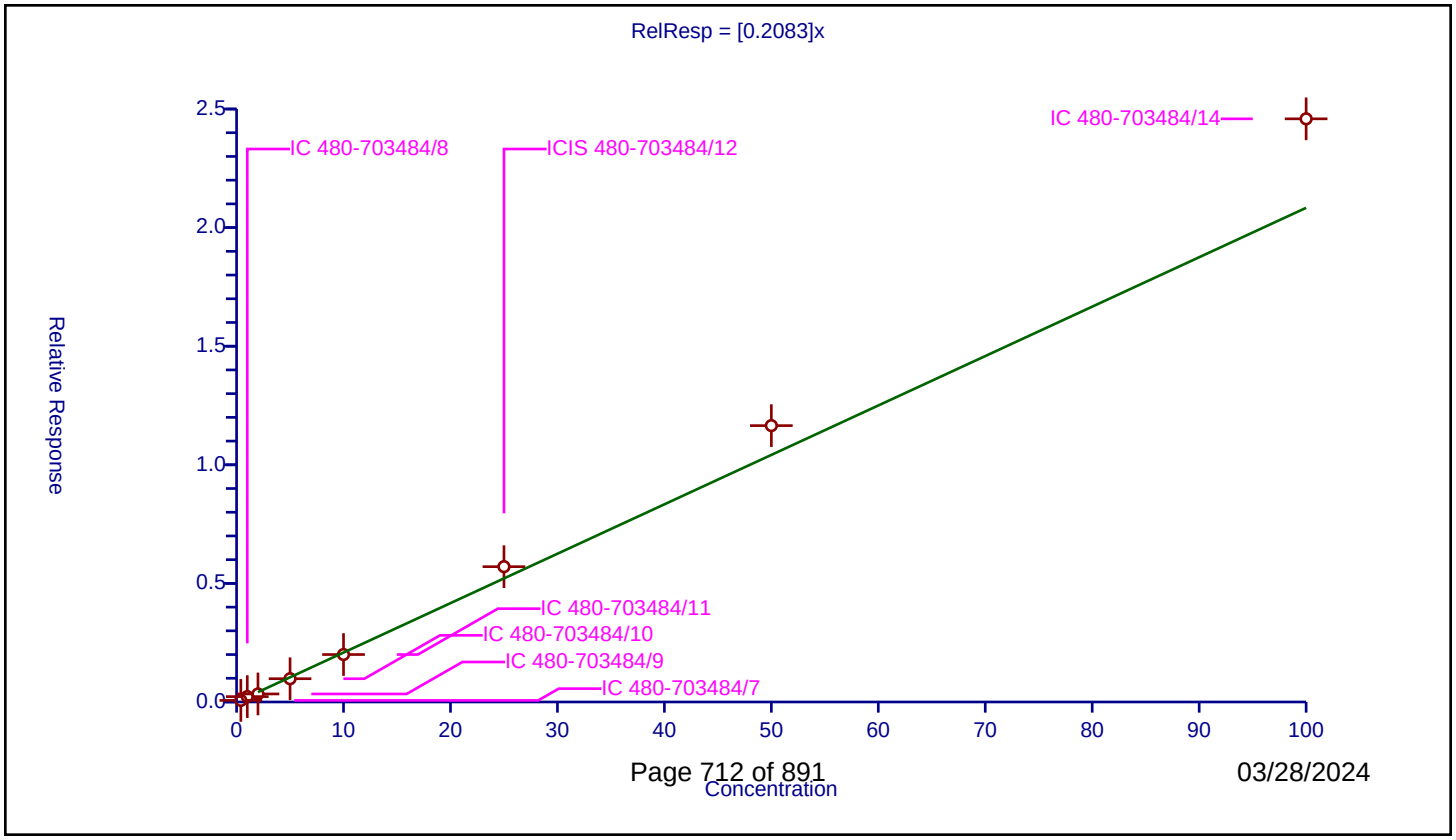
Curve Coefficients

Intercept:	0
Slope:	0.2083

Error Coefficients

Relative Standard Deviation:	14.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.066894	25.0	523587.0	0.167236	Y
2	IC 480-703484/8	1.0	0.226825	25.0	564642.0	0.226825	Y
3	IC 480-703484/9	2.0	0.338622	25.0	641424.0	0.169311	Y
4	IC 480-703484/10	5.0	0.98103	25.0	605486.0	0.196206	Y
5	IC 480-703484/11	10.0	2.000256	25.0	565465.0	0.200026	Y
6	ICIS 480-703484/12	25.0	5.705615	25.0	590379.0	0.228225	Y
7	IC 480-703484/13	50.0	11.651997	25.0	593055.0	0.23304	Y
8	IC 480-703484/14	100.0	24.586516	25.0	611148.0	0.245865	Y



Calibration / Isopropylbenzene

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

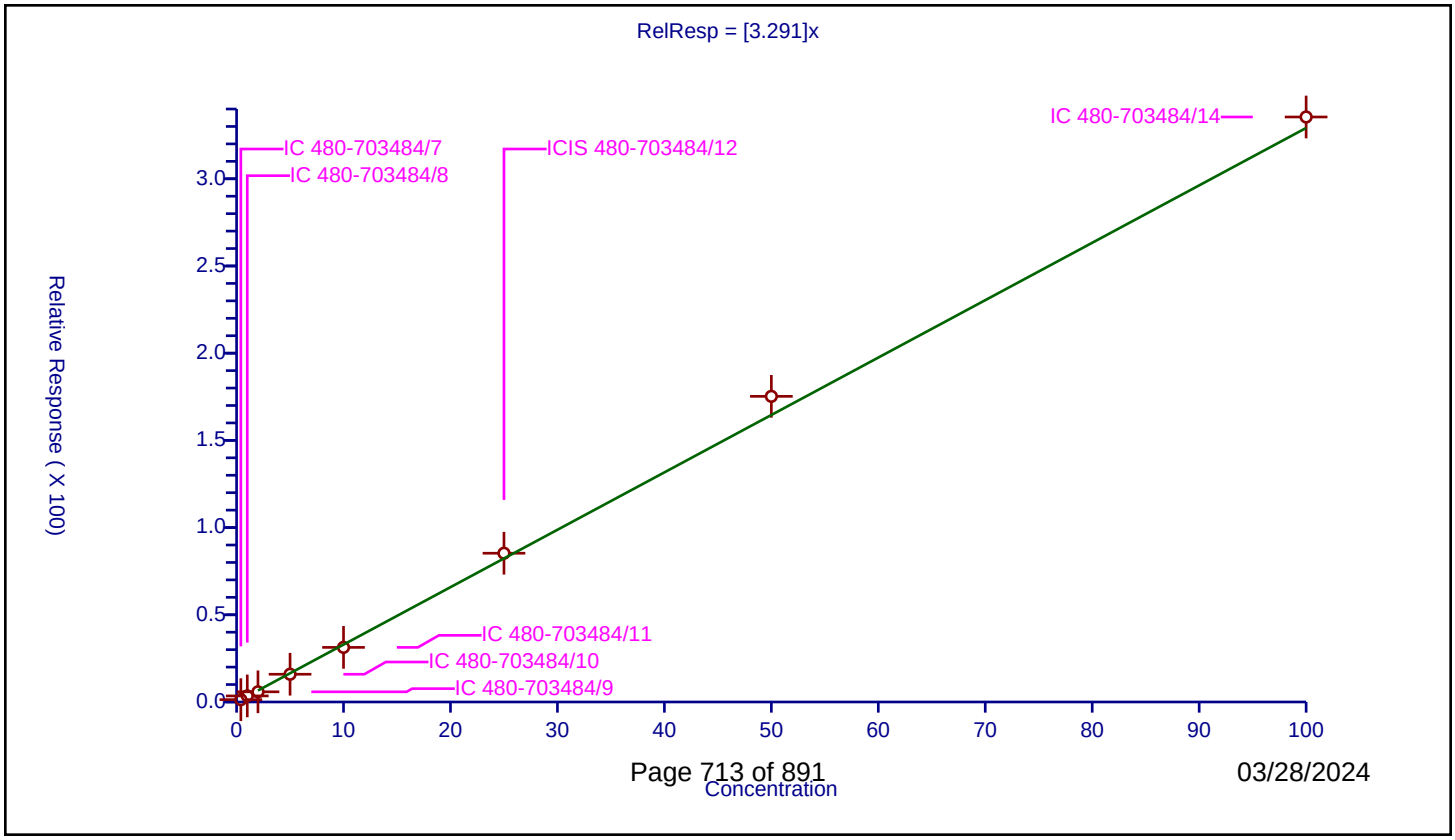
Curve Coefficients

Intercept:	0
Slope:	3.291

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	1.336773	25.0	275159.0	3.341931	Y
2	IC 480-703484/8	1.0	3.485876	25.0	291426.0	3.485876	Y
3	IC 480-703484/9	2.0	5.839123	25.0	328444.0	2.919562	Y
4	IC 480-703484/10	5.0	15.904874	25.0	316337.0	3.180975	Y
5	IC 480-703484/11	10.0	31.305042	25.0	296933.0	3.130504	Y
6	ICIS 480-703484/12	25.0	85.292453	25.0	302066.0	3.411698	Y
7	IC 480-703484/13	50.0	175.253154	25.0	300607.0	3.505063	Y
8	IC 480-703484/14	100.0	335.429933	25.0	314700.0	3.354299	Y



Calibration / 4-Bromofluorobenzene (Surr)

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

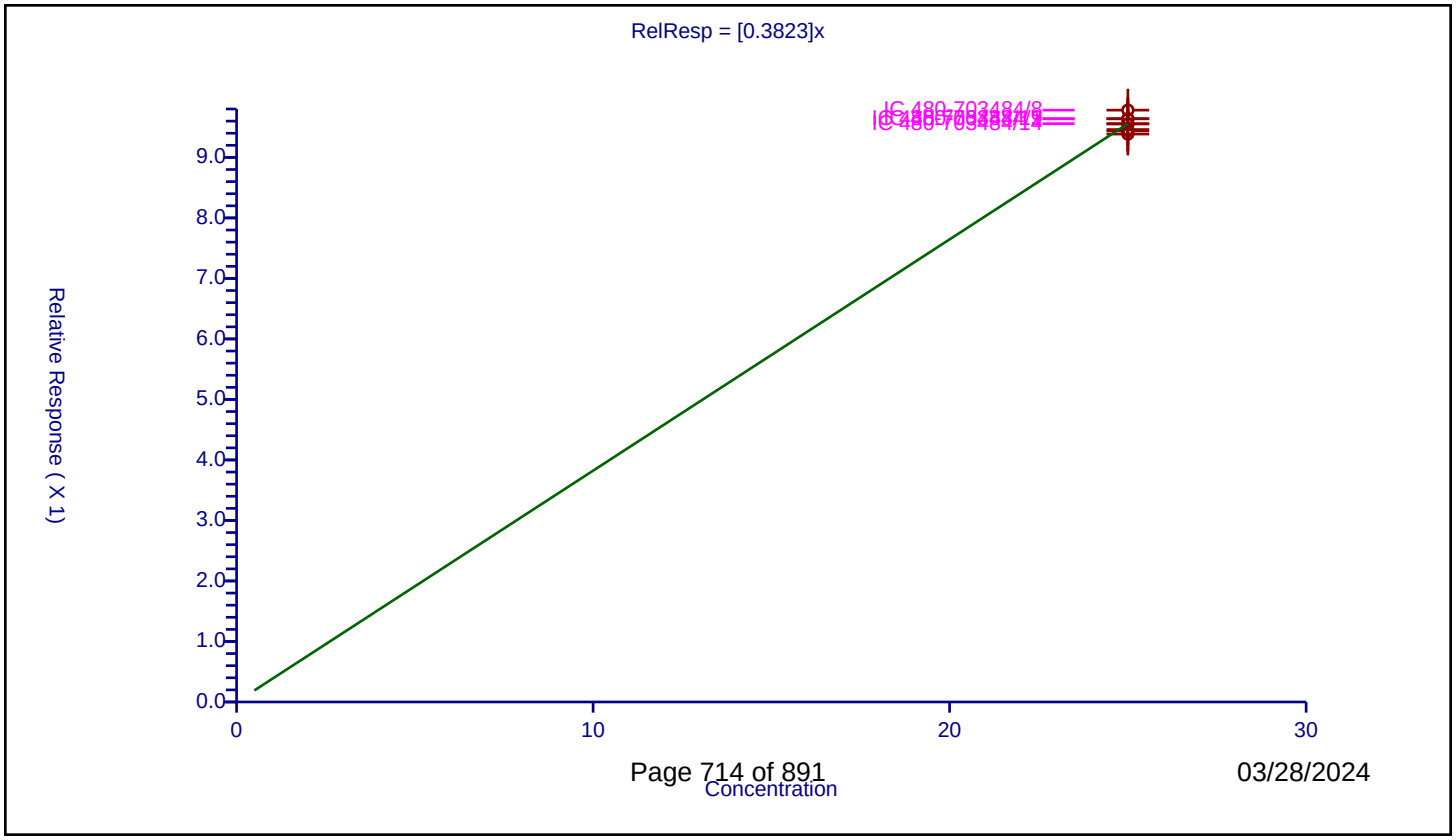
Curve Coefficients

Intercept:	0
Slope:	0.3823

Error Coefficients

Relative Standard Deviation:	1.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	25.0	9.460701	25.0	523587.0	0.378428	Y
2	IC 480-703484/8	25.0	9.781552	25.0	564642.0	0.391262	Y
3	IC 480-703484/9	25.0	9.639568	25.0	641424.0	0.385583	Y
4	IC 480-703484/10	25.0	9.385684	25.0	605486.0	0.375427	Y
5	IC 480-703484/11	25.0	9.638218	25.0	565465.0	0.385529	Y
6	ICIS 480-703484/12	25.0	9.551661	25.0	590379.0	0.382066	Y
7	IC 480-703484/13	25.0	9.43888	25.0	593055.0	0.377555	Y
8	IC 480-703484/14	25.0	9.558241	25.0	611148.0	0.38233	Y



Calibration / Bromobenzene

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

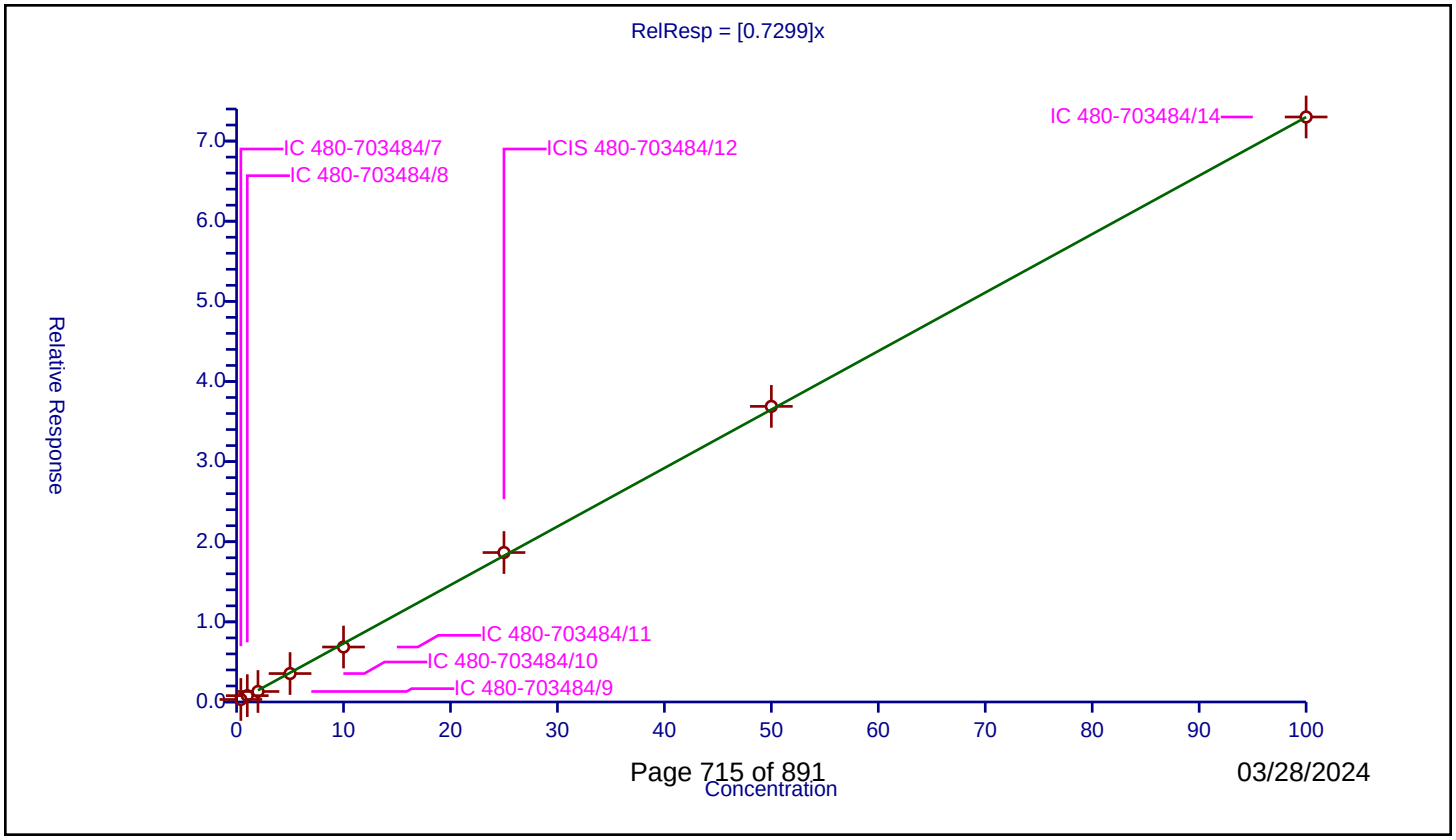
Curve Coefficients

Intercept:	0
Slope:	0.7299

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.314273	25.0	275159.0	0.785682	Y
2	IC 480-703484/8	1.0	0.789394	25.0	291426.0	0.789394	Y
3	IC 480-703484/9	2.0	1.308366	25.0	328444.0	0.654183	Y
4	IC 480-703484/10	5.0	3.548273	25.0	316337.0	0.709655	Y
5	IC 480-703484/11	10.0	6.860639	25.0	296933.0	0.686064	Y
6	ICIS 480-703484/12	25.0	18.652546	25.0	302066.0	0.746102	Y
7	IC 480-703484/13	50.0	36.890192	25.0	300607.0	0.737804	Y
8	IC 480-703484/14	100.0	73.005164	25.0	314700.0	0.730052	Y



03/28/2024

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

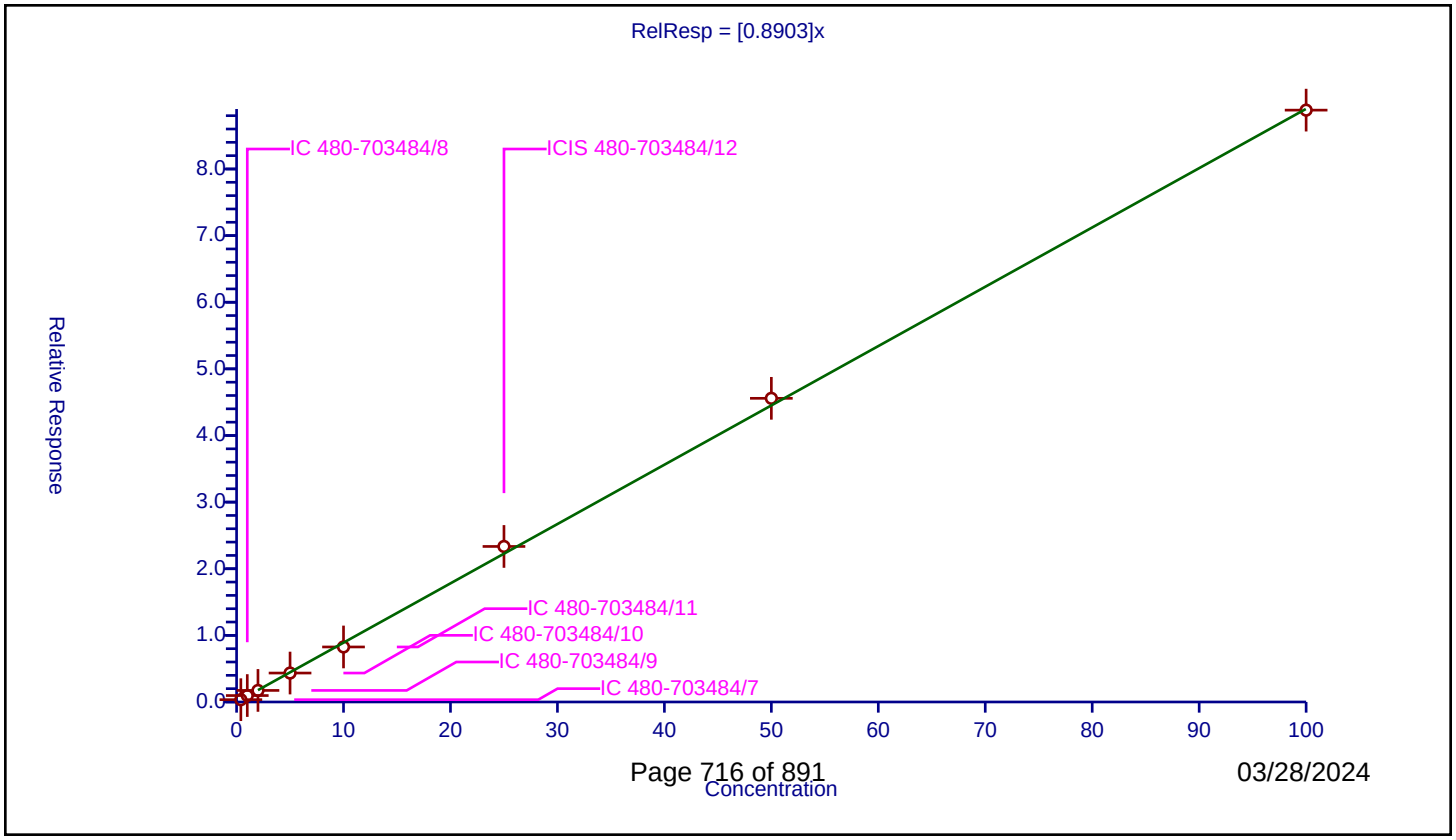
Curve Coefficients

Intercept:	0
Slope:	0.8903

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.344346	25.0	275159.0	0.860866	Y
2	IC 480-703484/8	1.0	0.966798	25.0	291426.0	0.966798	Y
3	IC 480-703484/9	2.0	1.73302	25.0	328444.0	0.86651	Y
4	IC 480-703484/10	5.0	4.342837	25.0	316337.0	0.868567	Y
5	IC 480-703484/11	10.0	8.257671	25.0	296933.0	0.825767	Y
6	ICIS 480-703484/12	25.0	23.343822	25.0	302066.0	0.933753	Y
7	IC 480-703484/13	50.0	45.578363	25.0	300607.0	0.911567	Y
8	IC 480-703484/14	100.0	88.833174	25.0	314700.0	0.888332	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

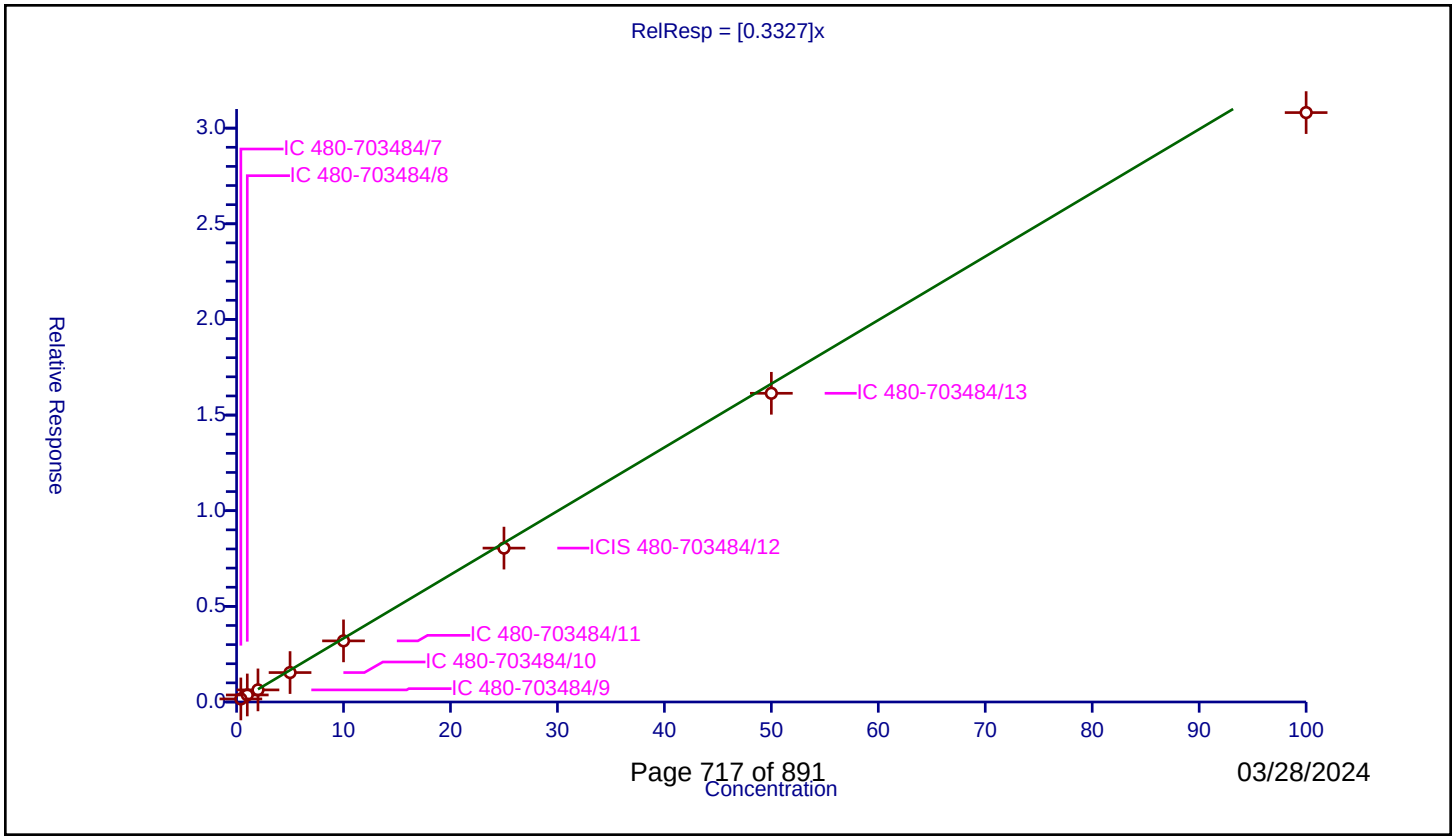
Curve Coefficients

Intercept:	0
Slope:	0.3327

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.159362	25.0	275159.0	0.398406	Y
2	IC 480-703484/8	1.0	0.367246	25.0	291426.0	0.367246	Y
3	IC 480-703484/9	2.0	0.632223	25.0	328444.0	0.316112	Y
4	IC 480-703484/10	5.0	1.538707	25.0	316337.0	0.307741	Y
5	IC 480-703484/11	10.0	3.194997	25.0	296933.0	0.3195	Y
6	ICIS 480-703484/12	25.0	8.044103	25.0	302066.0	0.321764	Y
7	IC 480-703484/13	50.0	16.138846	25.0	300607.0	0.322777	Y
8	IC 480-703484/14	100.0	30.813632	25.0	314700.0	0.308136	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

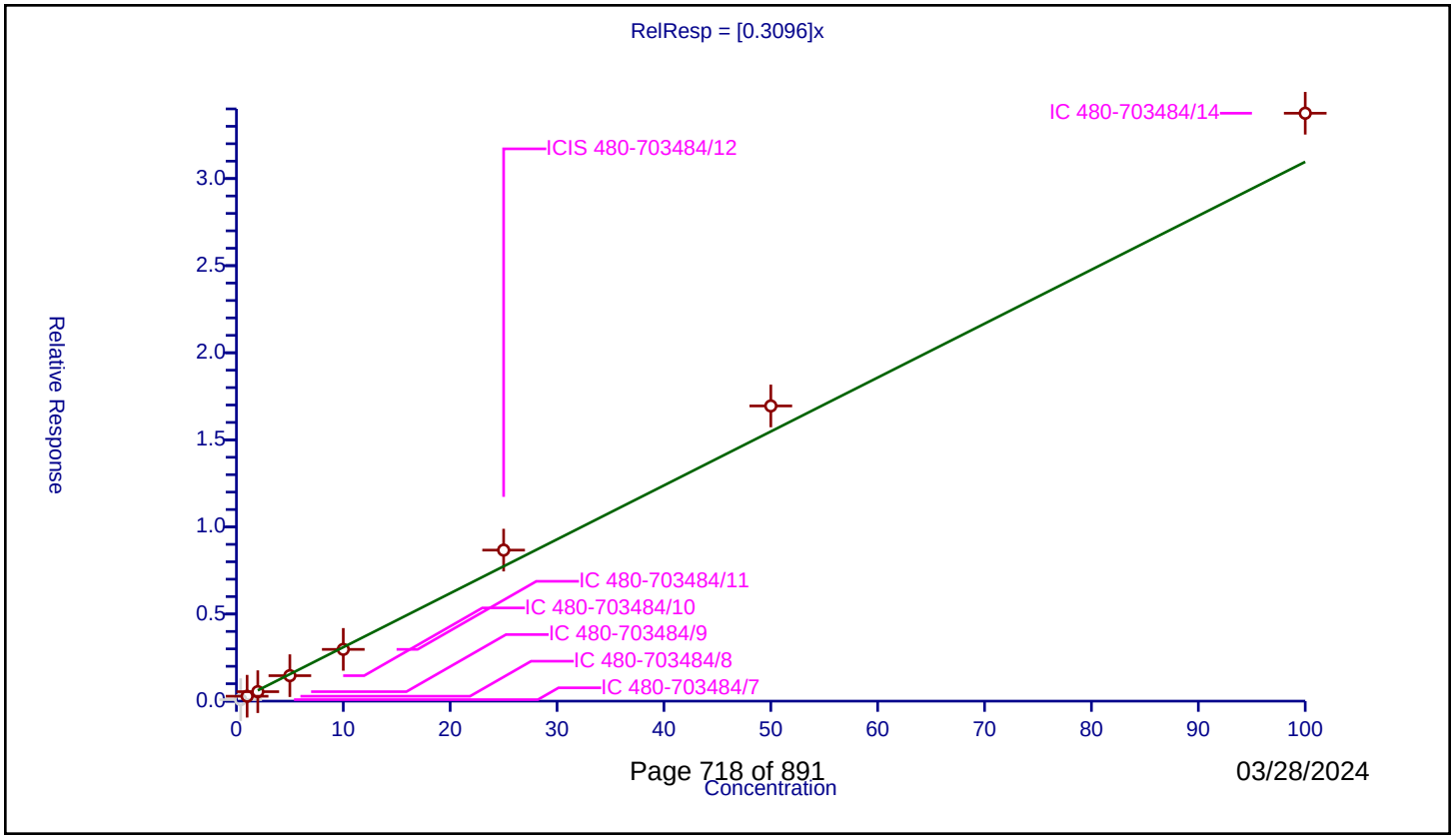
Curve Coefficients

Intercept:	0
Slope:	0.3096

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.086677	25.0	275159.0	0.216693	N
2	IC 480-703484/8	1.0	0.28249	25.0	291426.0	0.28249	Y
3	IC 480-703484/9	2.0	0.543624	25.0	328444.0	0.271812	Y
4	IC 480-703484/10	5.0	1.462206	25.0	316337.0	0.292441	Y
5	IC 480-703484/11	10.0	2.971798	25.0	296933.0	0.29718	Y
6	ICIS 480-703484/12	25.0	8.670787	25.0	302066.0	0.346831	Y
7	IC 480-703484/13	50.0	16.946545	25.0	300607.0	0.338931	Y
8	IC 480-703484/14	100.0	33.750556	25.0	314700.0	0.337506	Y



Calibration / N-Propylbenzene

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

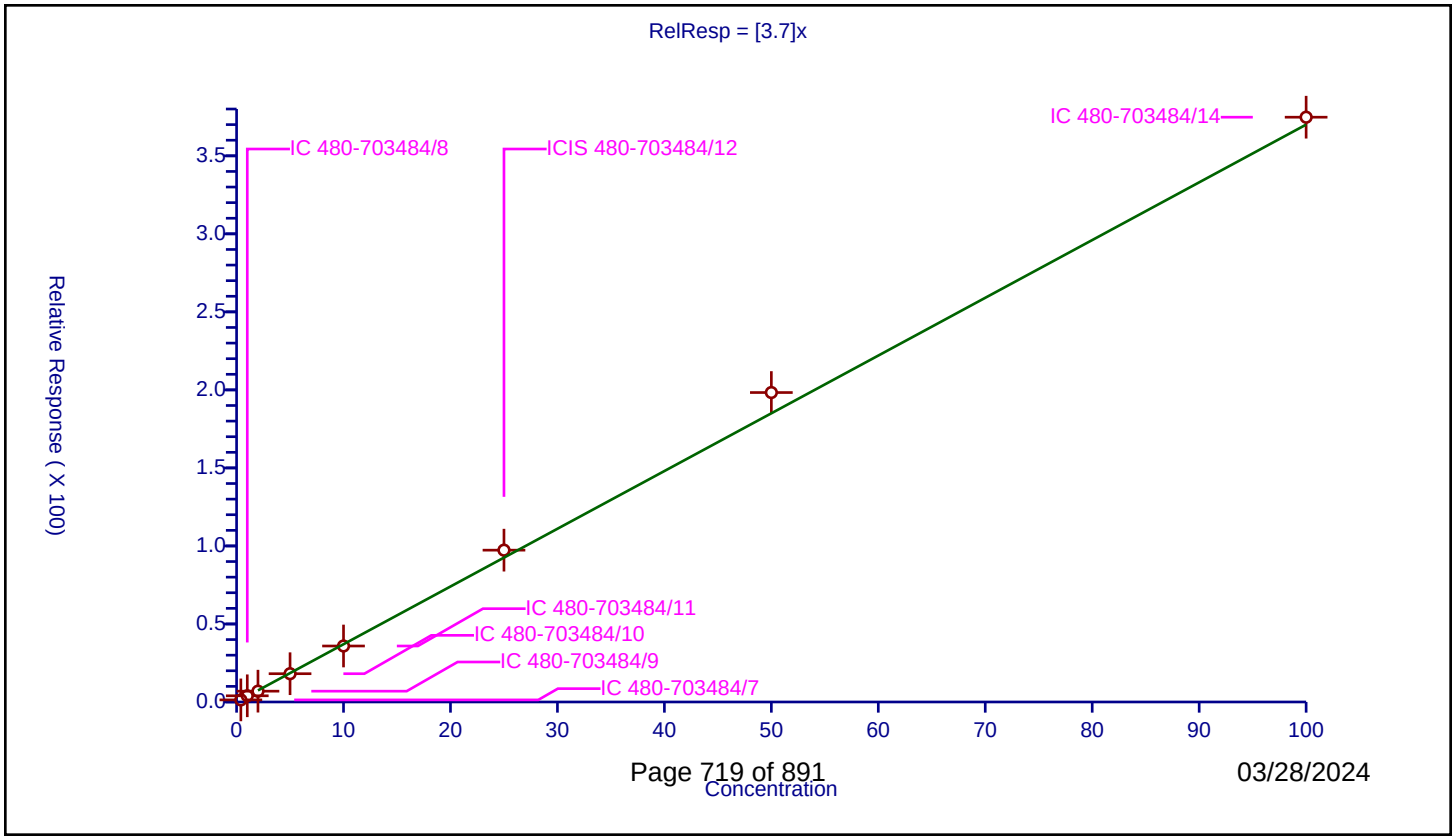
Curve Coefficients

Intercept:	0
Slope:	3.7

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	1.339044	25.0	275159.0	3.34761	Y
2	IC 480-703484/8	1.0	3.973993	25.0	291426.0	3.973993	Y
3	IC 480-703484/9	2.0	6.923326	25.0	328444.0	3.461663	Y
4	IC 480-703484/10	5.0	18.11557	25.0	316337.0	3.623114	Y
5	IC 480-703484/11	10.0	35.880653	25.0	296933.0	3.588065	Y
6	ICIS 480-703484/12	25.0	97.298935	25.0	302066.0	3.891957	Y
7	IC 480-703484/13	50.0	198.314577	25.0	300607.0	3.966292	Y
8	IC 480-703484/14	100.0	374.750794	25.0	314700.0	3.747508	Y



Calibration / 2-Chlorotoluene

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

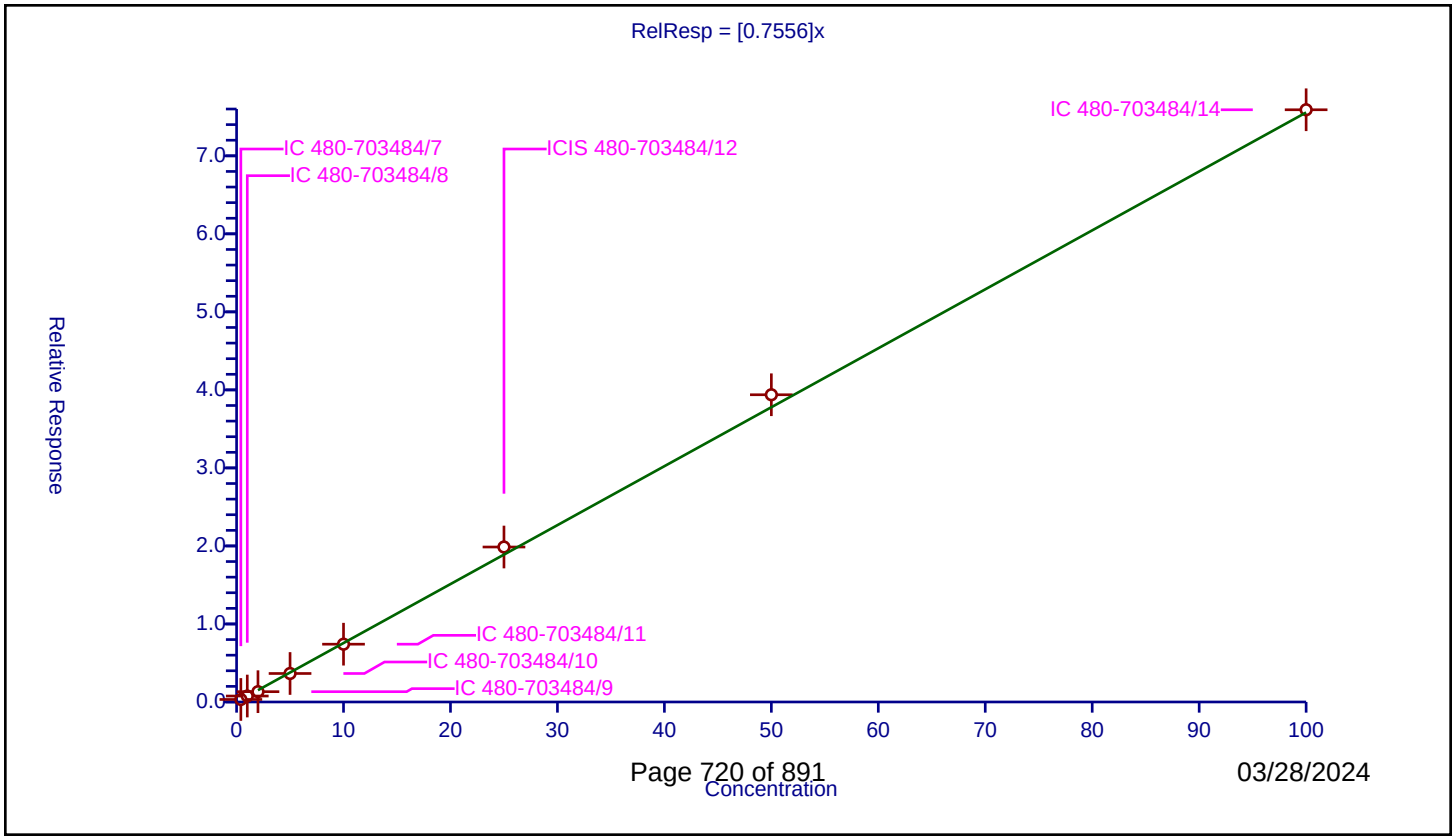
Curve Coefficients

Intercept:	0
Slope:	0.7556

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.323722	25.0	275159.0	0.809305	Y
2	IC 480-703484/8	1.0	0.762458	25.0	291426.0	0.762458	Y
3	IC 480-703484/9	2.0	1.321154	25.0	328444.0	0.660577	Y
4	IC 480-703484/10	5.0	3.650379	25.0	316337.0	0.730076	Y
5	IC 480-703484/11	10.0	7.409331	25.0	296933.0	0.740933	Y
6	ICIS 480-703484/12	25.0	19.862298	25.0	302066.0	0.794492	Y
7	IC 480-703484/13	50.0	39.377576	25.0	300607.0	0.787552	Y
8	IC 480-703484/14	100.0	75.905624	25.0	314700.0	0.759056	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

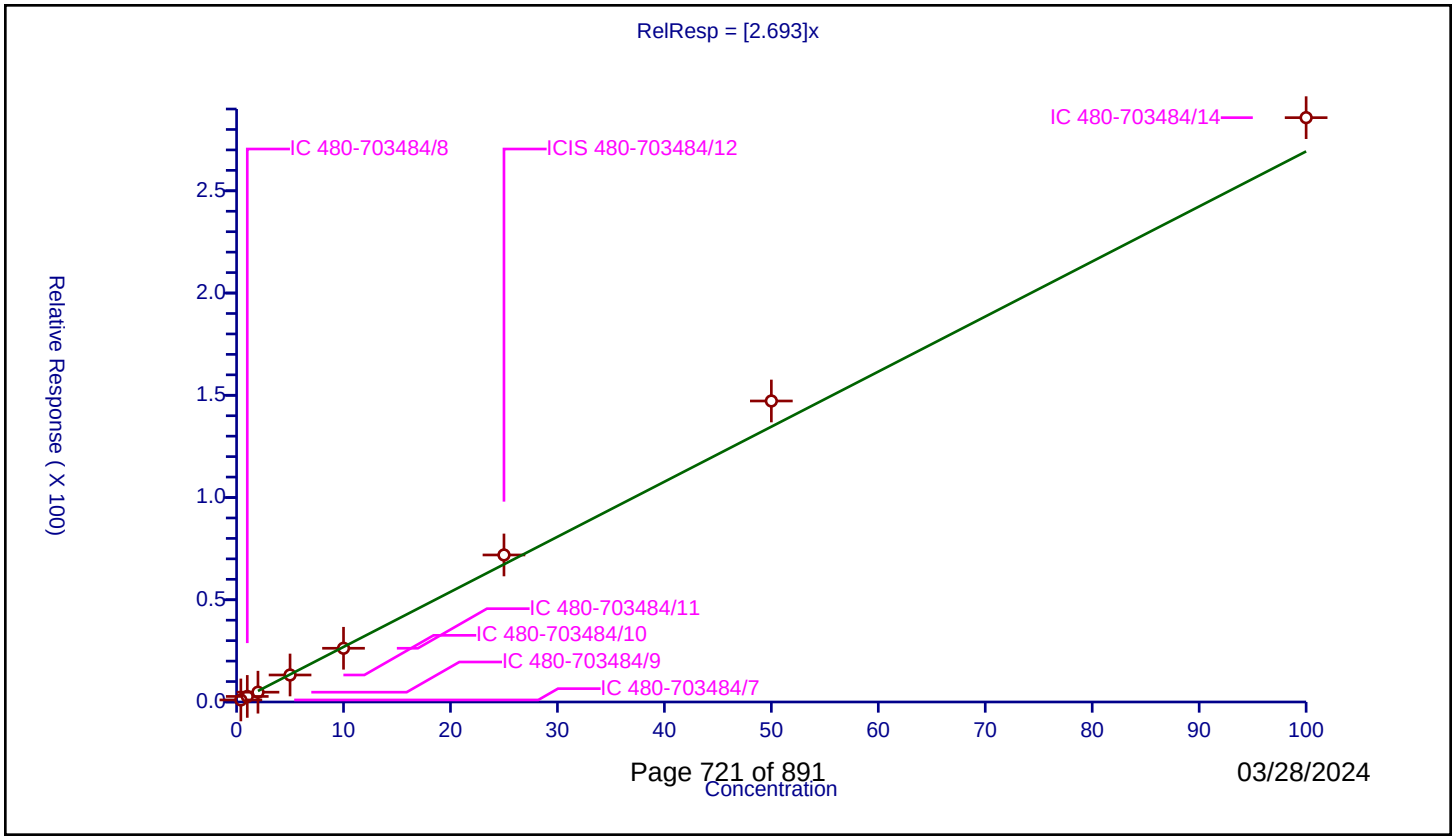
Curve Coefficients

Intercept:	0
Slope:	2.693

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.995334	25.0	275159.0	2.488334	Y
2	IC 480-703484/8	1.0	2.713896	25.0	291426.0	2.713896	Y
3	IC 480-703484/9	2.0	4.788031	25.0	328444.0	2.394015	Y
4	IC 480-703484/10	5.0	13.203719	25.0	316337.0	2.640744	Y
5	IC 480-703484/11	10.0	26.272173	25.0	296933.0	2.627217	Y
6	ICIS 480-703484/12	25.0	71.903905	25.0	302066.0	2.876156	Y
7	IC 480-703484/13	50.0	147.213555	25.0	300607.0	2.944271	Y
8	IC 480-703484/14	100.0	285.772879	25.0	314700.0	2.857729	Y



Calibration / 4-Chlorotoluene

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

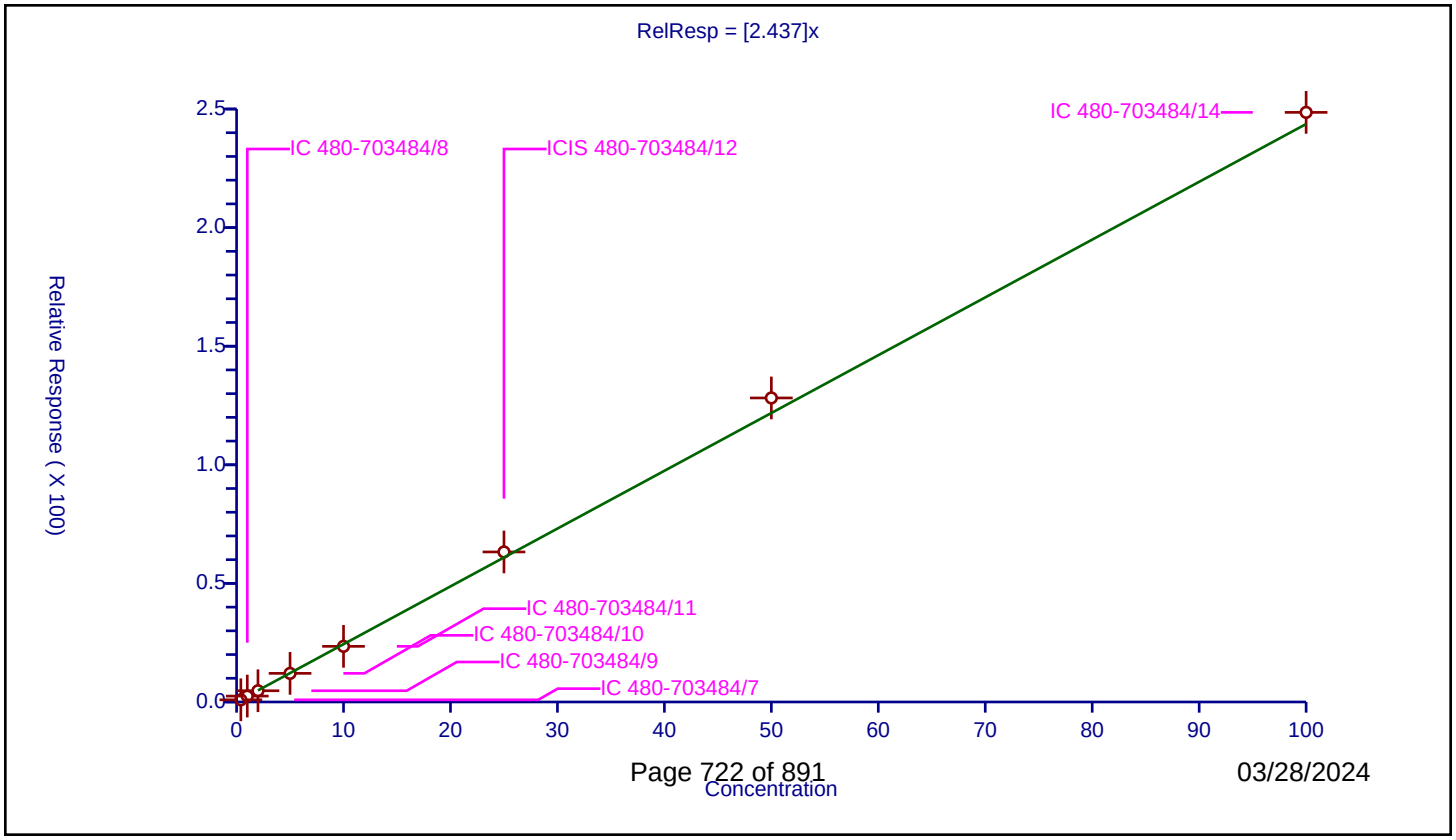
Curve Coefficients

Intercept:	0
Slope:	2.437

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.914926	25.0	275159.0	2.287314	Y
2	IC 480-703484/8	1.0	2.495659	25.0	291426.0	2.495659	Y
3	IC 480-703484/9	2.0	4.743959	25.0	328444.0	2.37198	Y
4	IC 480-703484/10	5.0	12.063401	25.0	316337.0	2.41268	Y
5	IC 480-703484/11	10.0	23.460259	25.0	296933.0	2.346026	Y
6	ICIS 480-703484/12	25.0	63.261589	25.0	302066.0	2.530464	Y
7	IC 480-703484/13	50.0	128.186802	25.0	300607.0	2.563736	Y
8	IC 480-703484/14	100.0	248.588497	25.0	314700.0	2.485885	Y



Calibration / tert-Butylbenzene

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

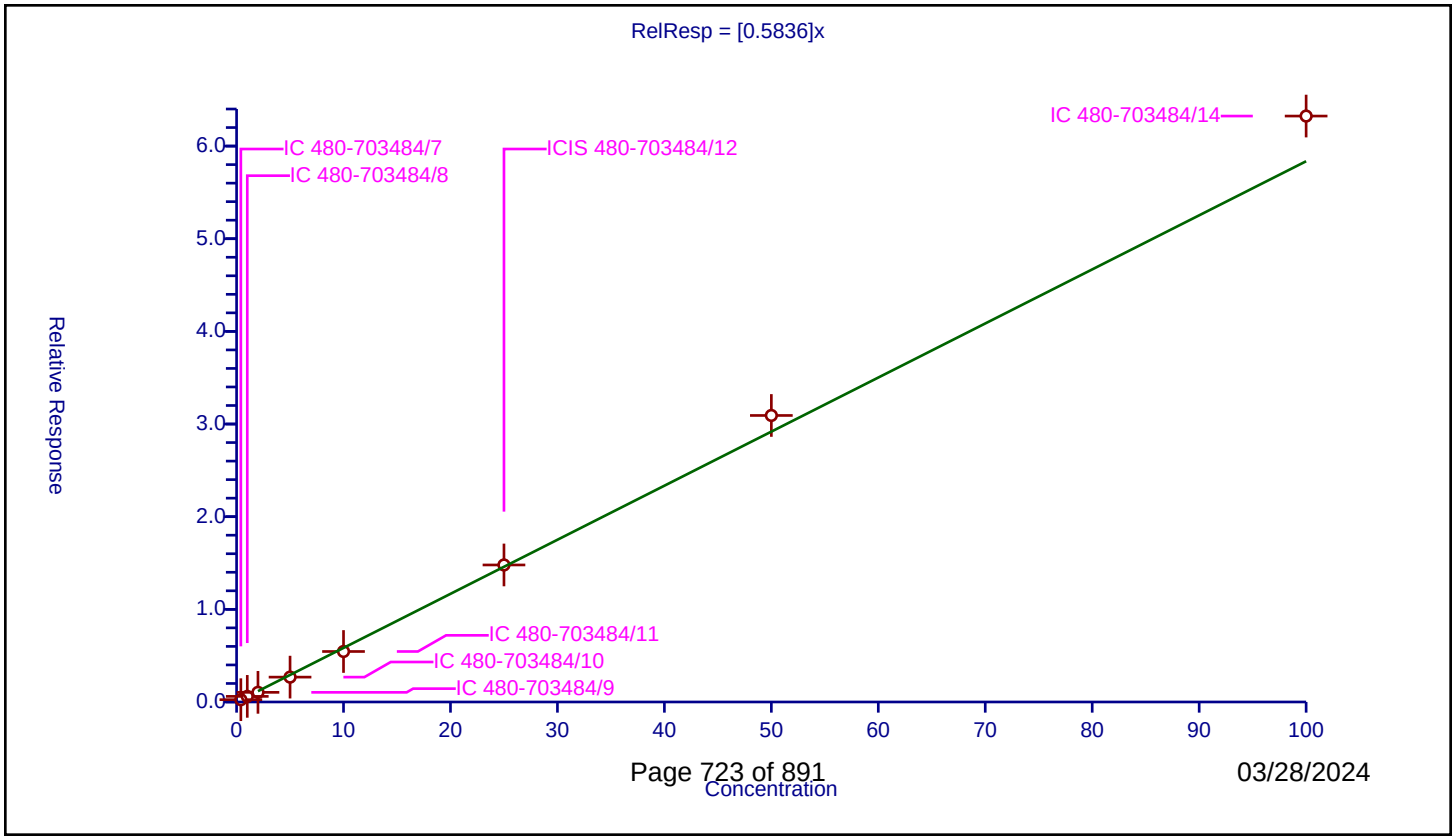
Curve Coefficients

Intercept:	0
Slope:	0.5836

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.247766	25.0	275159.0	0.619415	Y
2	IC 480-703484/8	1.0	0.604527	25.0	291426.0	0.604527	Y
3	IC 480-703484/9	2.0	1.040969	25.0	328444.0	0.520484	Y
4	IC 480-703484/10	5.0	2.685032	25.0	316337.0	0.537006	Y
5	IC 480-703484/11	10.0	5.44963	25.0	296933.0	0.544963	Y
6	ICIS 480-703484/12	25.0	14.789897	25.0	302066.0	0.591596	Y
7	IC 480-703484/13	50.0	30.925261	25.0	300607.0	0.618505	Y
8	IC 480-703484/14	100.0	63.238958	25.0	314700.0	0.63239	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

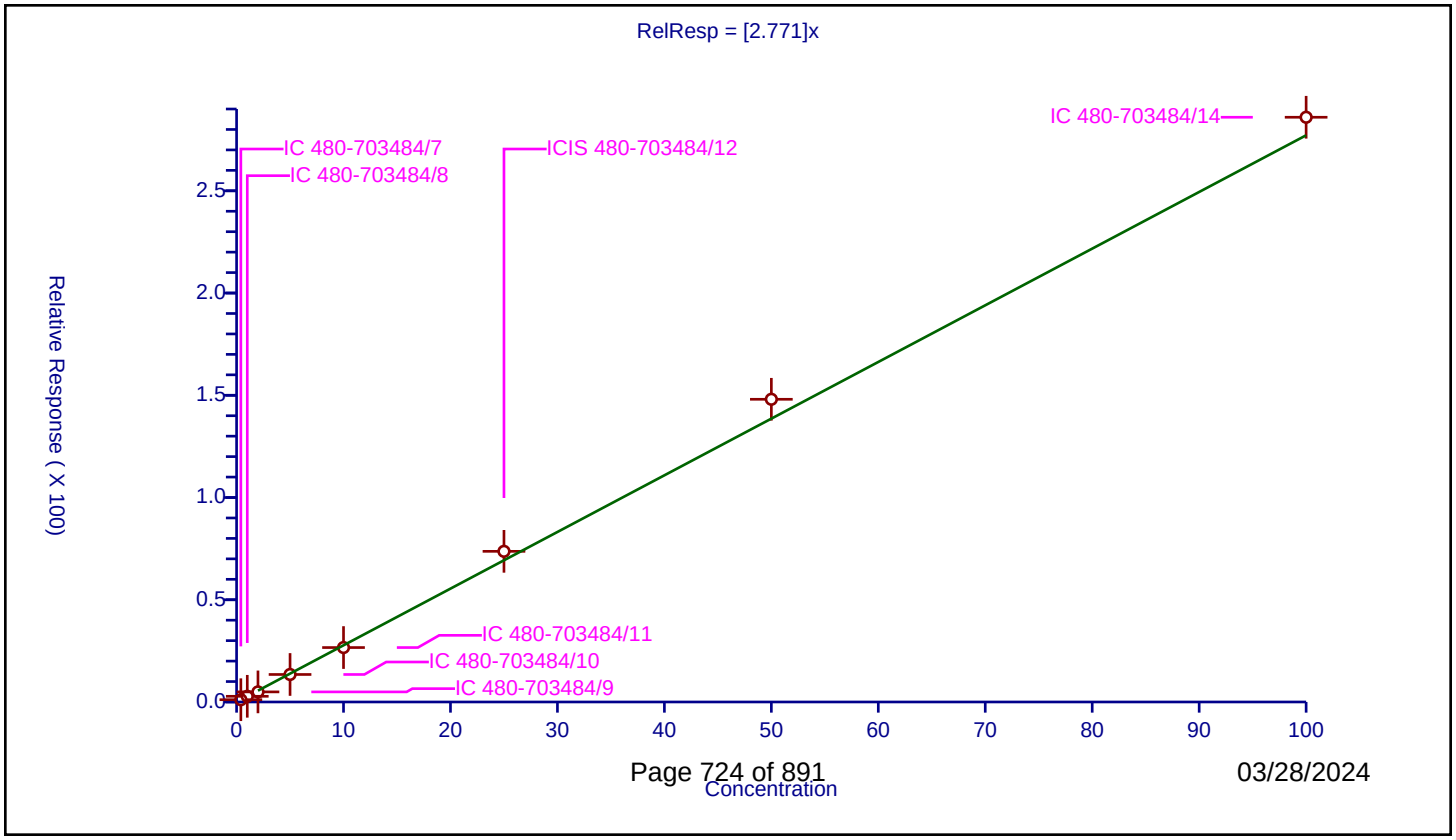
Curve Coefficients

Intercept:	0
Slope:	2.771

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	1.120716	25.0	275159.0	2.801789	Y
2	IC 480-703484/8	1.0	2.783382	25.0	291426.0	2.783382	Y
3	IC 480-703484/9	2.0	4.931206	25.0	328444.0	2.465603	Y
4	IC 480-703484/10	5.0	13.454481	25.0	316337.0	2.690896	Y
5	IC 480-703484/11	10.0	26.620652	25.0	296933.0	2.662065	Y
6	ICIS 480-703484/12	25.0	73.682573	25.0	302066.0	2.947303	Y
7	IC 480-703484/13	50.0	148.036556	25.0	300607.0	2.960731	Y
8	IC 480-703484/14	100.0	285.969336	25.0	314700.0	2.859693	Y



Calibration / sec-Butylbenzene

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

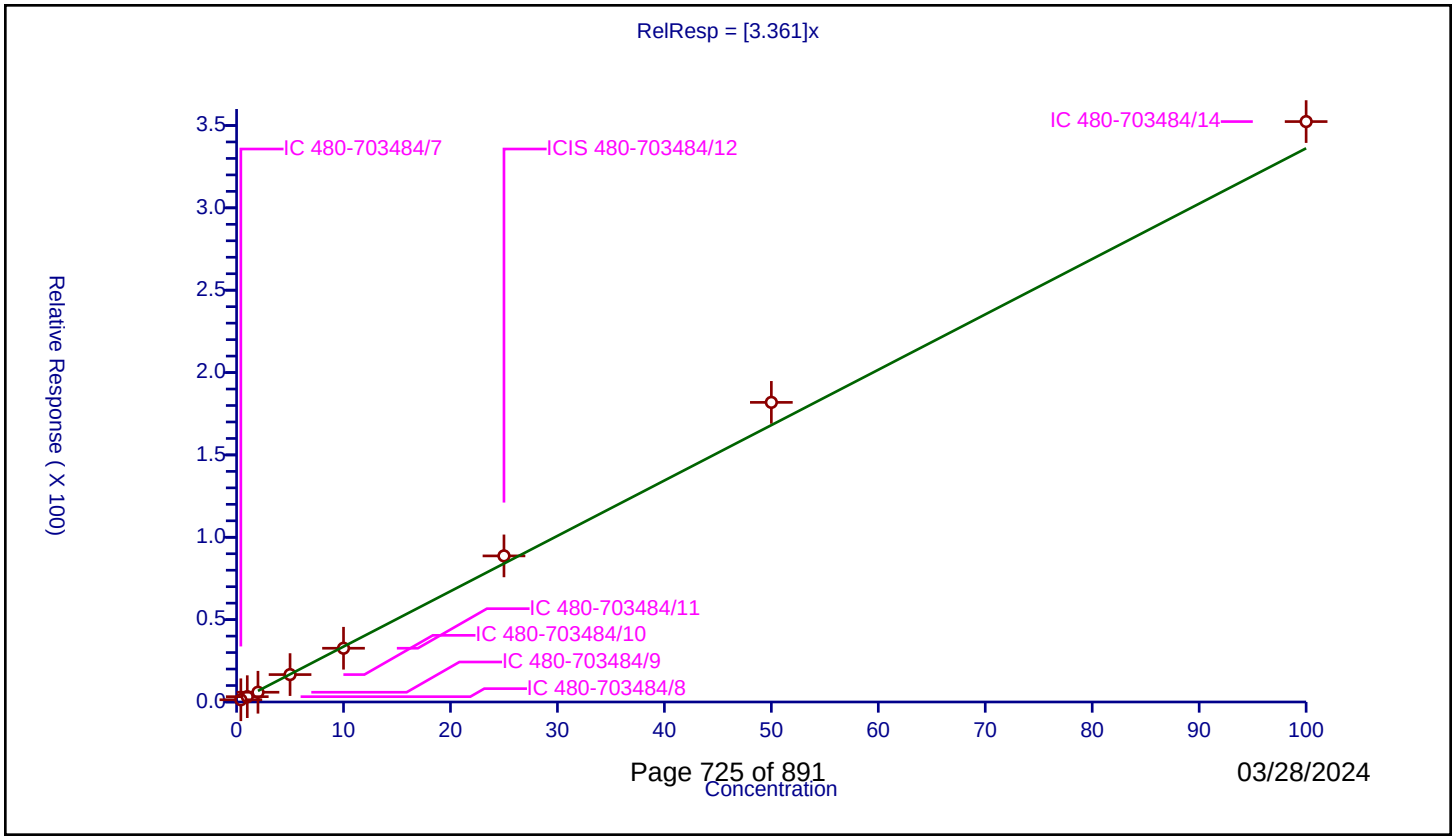
Curve Coefficients

Intercept:	0
Slope:	3.361

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	1.358851	25.0	275159.0	3.397127	Y
2	IC 480-703484/8	1.0	3.235298	25.0	291426.0	3.235298	Y
3	IC 480-703484/9	2.0	5.918969	25.0	328444.0	2.959485	Y
4	IC 480-703484/10	5.0	16.639454	25.0	316337.0	3.327891	Y
5	IC 480-703484/11	10.0	32.622595	25.0	296933.0	3.262259	Y
6	ICIS 480-703484/12	25.0	88.695351	25.0	302066.0	3.547814	Y
7	IC 480-703484/13	50.0	181.90137	25.0	300607.0	3.638027	Y
8	IC 480-703484/14	100.0	352.375834	25.0	314700.0	3.523758	Y



Calibration / 1,3-Dichlorobenzene

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

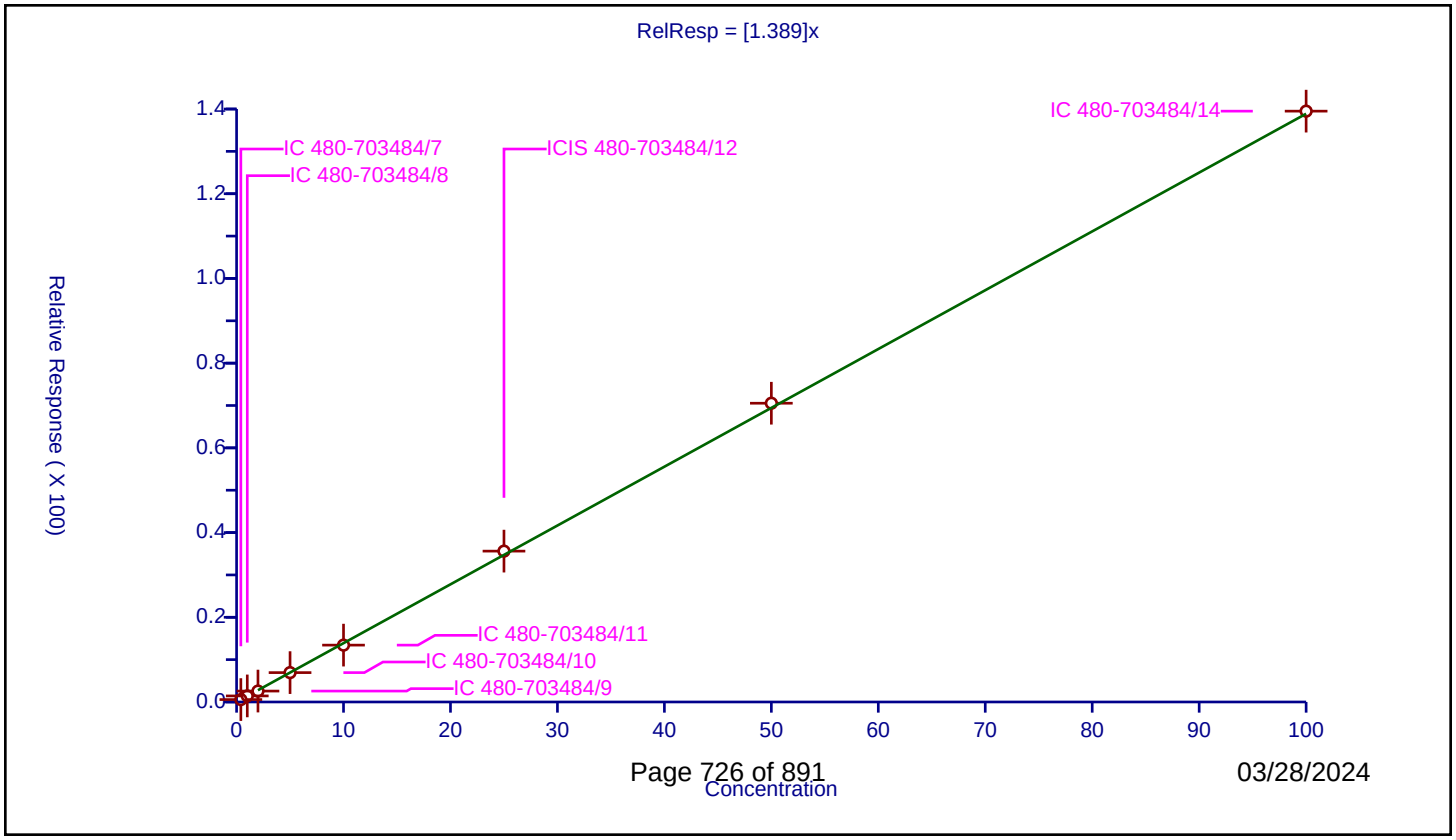
Curve Coefficients

Intercept:	0
Slope:	1.389

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.572487	25.0	275159.0	1.431218	Y
2	IC 480-703484/8	1.0	1.430981	25.0	291426.0	1.430981	Y
3	IC 480-703484/9	2.0	2.576543	25.0	328444.0	1.288271	Y
4	IC 480-703484/10	5.0	6.935246	25.0	316337.0	1.387049	Y
5	IC 480-703484/11	10.0	13.422978	25.0	296933.0	1.342298	Y
6	ICIS 480-703484/12	25.0	35.619037	25.0	302066.0	1.424761	Y
7	IC 480-703484/13	50.0	70.53886	25.0	300607.0	1.410777	Y
8	IC 480-703484/14	100.0	139.494519	25.0	314700.0	1.394945	Y



Calibration / 4-Isopropyltoluene

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

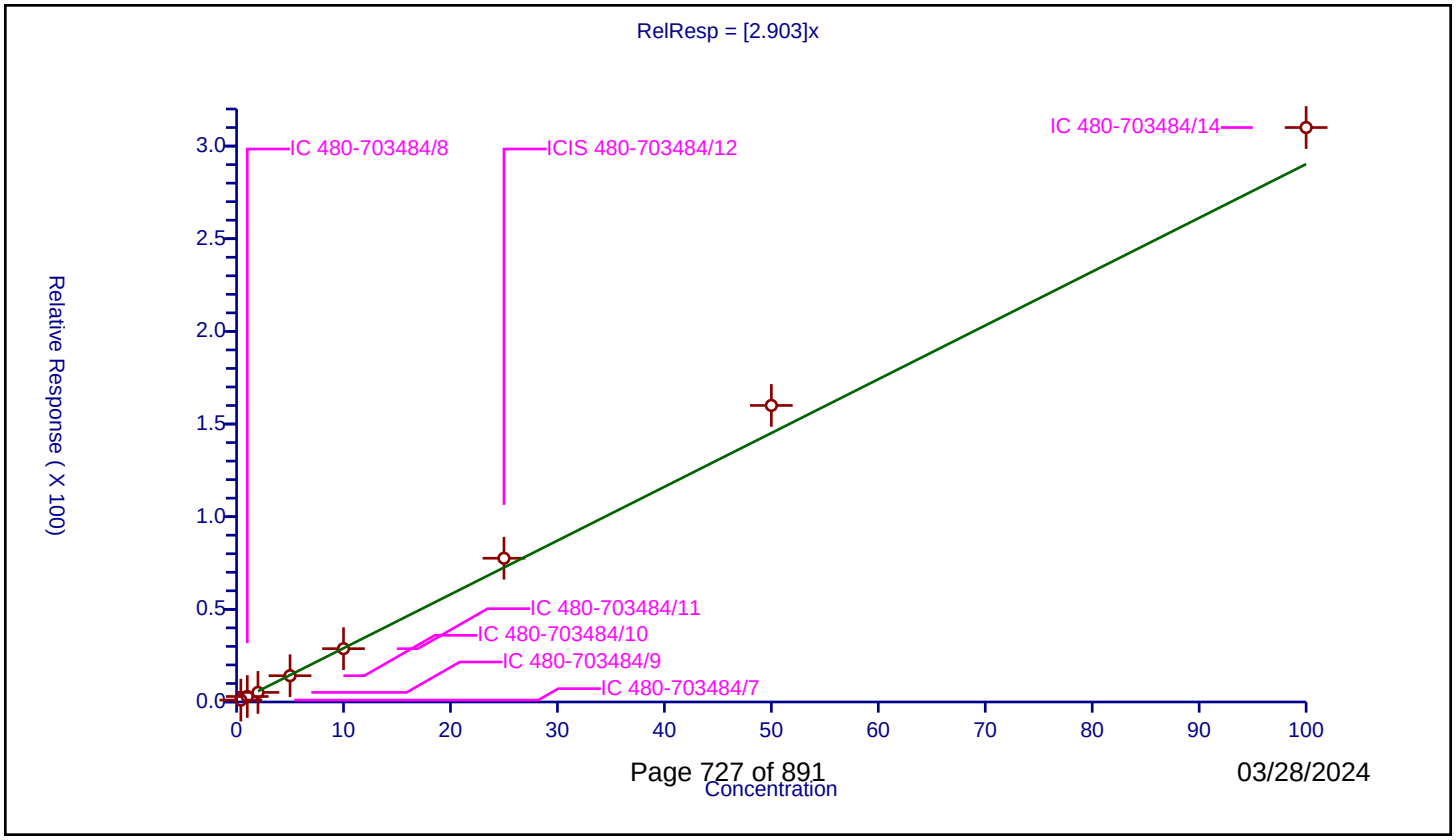
Curve Coefficients

Intercept:	0
Slope:	2.903

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	1.019138	25.0	275159.0	2.547845	Y
2	IC 480-703484/8	1.0	2.971595	25.0	291426.0	2.971595	Y
3	IC 480-703484/9	2.0	5.168157	25.0	328444.0	2.584078	Y
4	IC 480-703484/10	5.0	14.186137	25.0	316337.0	2.837227	Y
5	IC 480-703484/11	10.0	28.76979	25.0	296933.0	2.876979	Y
6	ICIS 480-703484/12	25.0	77.5775	25.0	302066.0	3.1031	Y
7	IC 480-703484/13	50.0	160.037025	25.0	300607.0	3.200741	Y
8	IC 480-703484/14	100.0	310.016365	25.0	314700.0	3.100164	Y



Calibration / 1,4-Dichlorobenzene

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

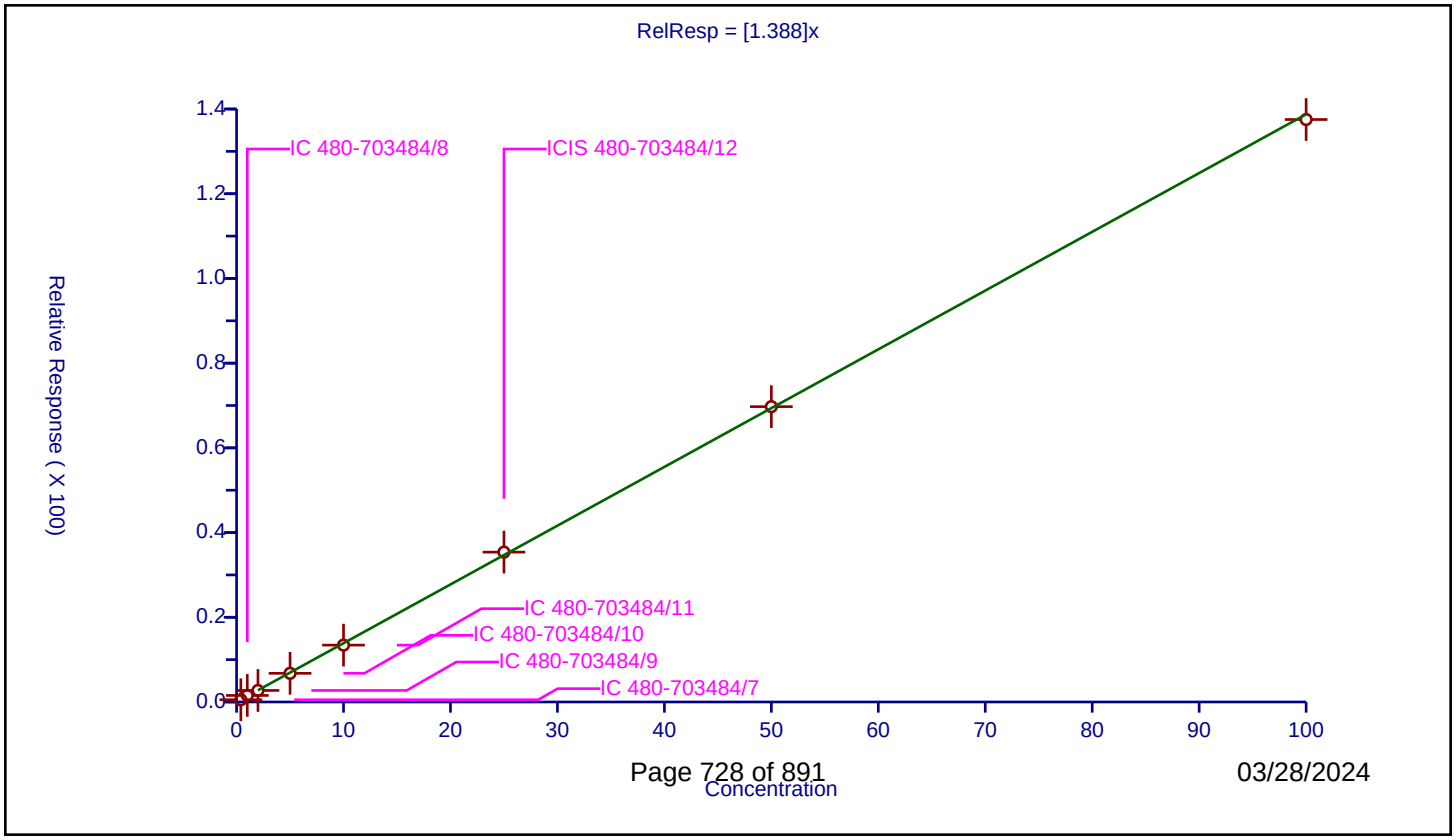
Curve Coefficients

Intercept:	0
Slope:	1.388

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.525333	25.0	275159.0	1.313332	Y
2	IC 480-703484/8	1.0	1.544389	25.0	291426.0	1.544389	Y
3	IC 480-703484/9	2.0	2.722762	25.0	328444.0	1.361381	Y
4	IC 480-703484/10	5.0	6.766202	25.0	316337.0	1.35324	Y
5	IC 480-703484/11	10.0	13.427019	25.0	296933.0	1.342702	Y
6	ICIS 480-703484/12	25.0	35.379106	25.0	302066.0	1.415164	Y
7	IC 480-703484/13	50.0	69.730246	25.0	300607.0	1.394605	Y
8	IC 480-703484/14	100.0	137.520178	25.0	314700.0	1.375202	Y



Calibration / n-Butylbenzene

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

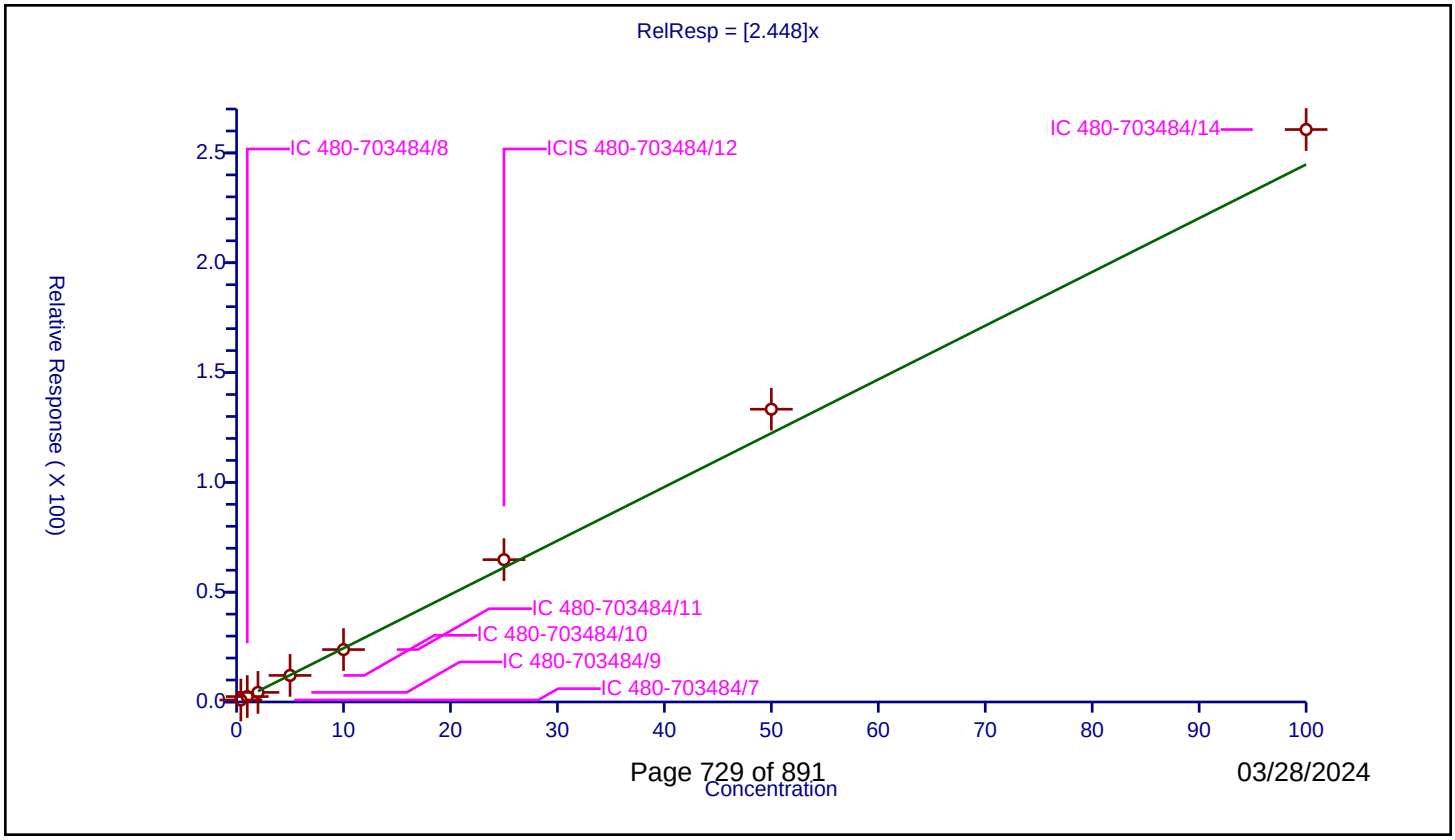
Curve Coefficients

Intercept:	0
Slope:	2.448

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.901751	25.0	275159.0	2.254378	Y
2	IC 480-703484/8	1.0	2.468208	25.0	291426.0	2.468208	Y
3	IC 480-703484/9	2.0	4.370913	25.0	328444.0	2.185456	Y
4	IC 480-703484/10	5.0	12.104259	25.0	316337.0	2.420852	Y
5	IC 480-703484/11	10.0	23.861949	25.0	296933.0	2.386195	Y
6	ICIS 480-703484/12	25.0	64.803139	25.0	302066.0	2.592126	Y
7	IC 480-703484/13	50.0	133.316174	25.0	300607.0	2.666323	Y
8	IC 480-703484/14	100.0	260.667858	25.0	314700.0	2.606679	Y



Calibration / 1,2-Dichlorobenzene

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

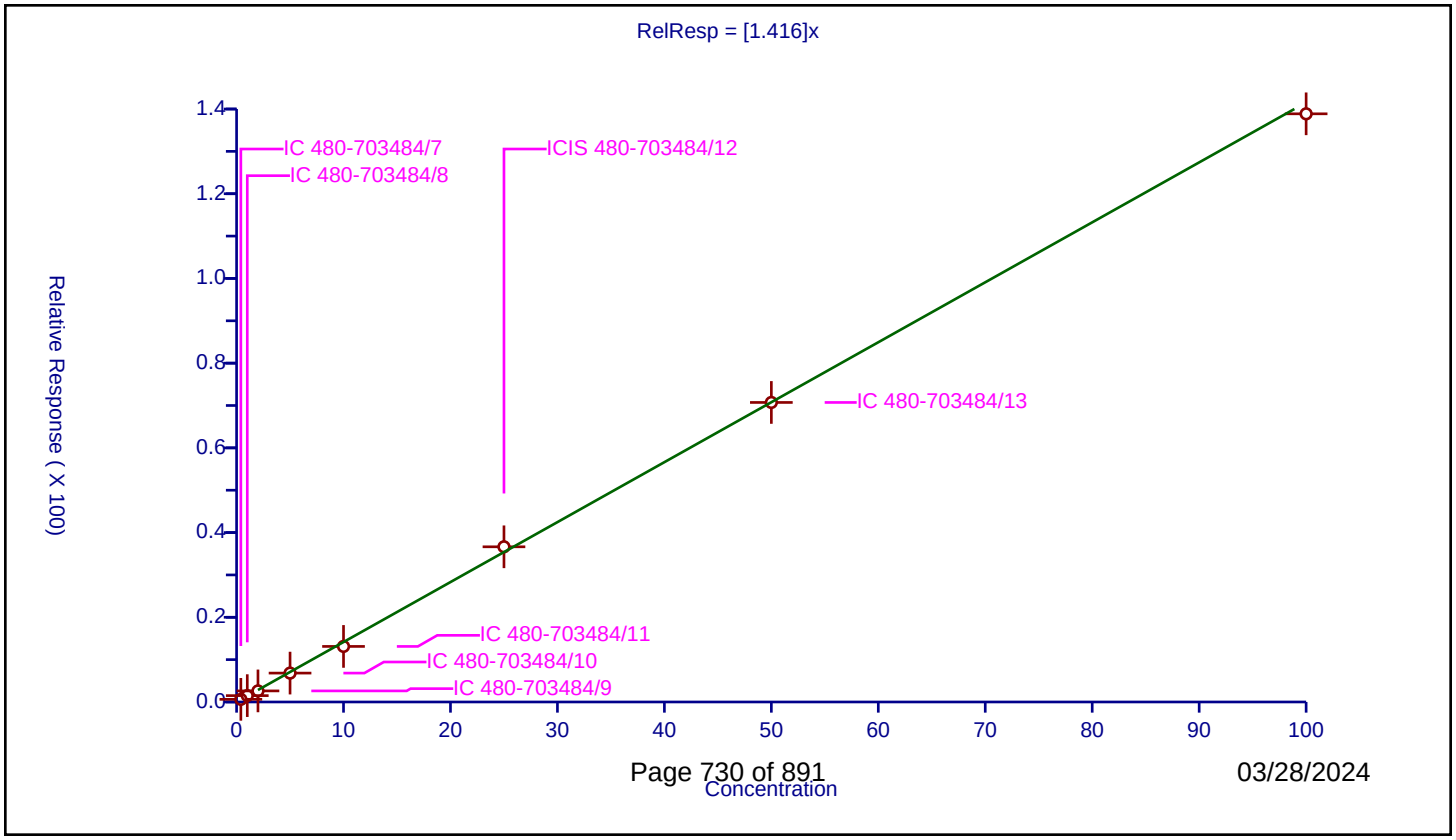
Curve Coefficients

Intercept:	0
Slope:	1.416

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.627637	25.0	275159.0	1.569093	Y
2	IC 480-703484/8	1.0	1.50244	25.0	291426.0	1.50244	Y
3	IC 480-703484/9	2.0	2.617037	25.0	328444.0	1.308518	Y
4	IC 480-703484/10	5.0	6.819626	25.0	316337.0	1.363925	Y
5	IC 480-703484/11	10.0	13.117353	25.0	296933.0	1.311735	Y
6	ICIS 480-703484/12	25.0	36.637192	25.0	302066.0	1.465488	Y
7	IC 480-703484/13	50.0	70.719328	25.0	300607.0	1.414387	Y
8	IC 480-703484/14	100.0	138.868843	25.0	314700.0	1.388688	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

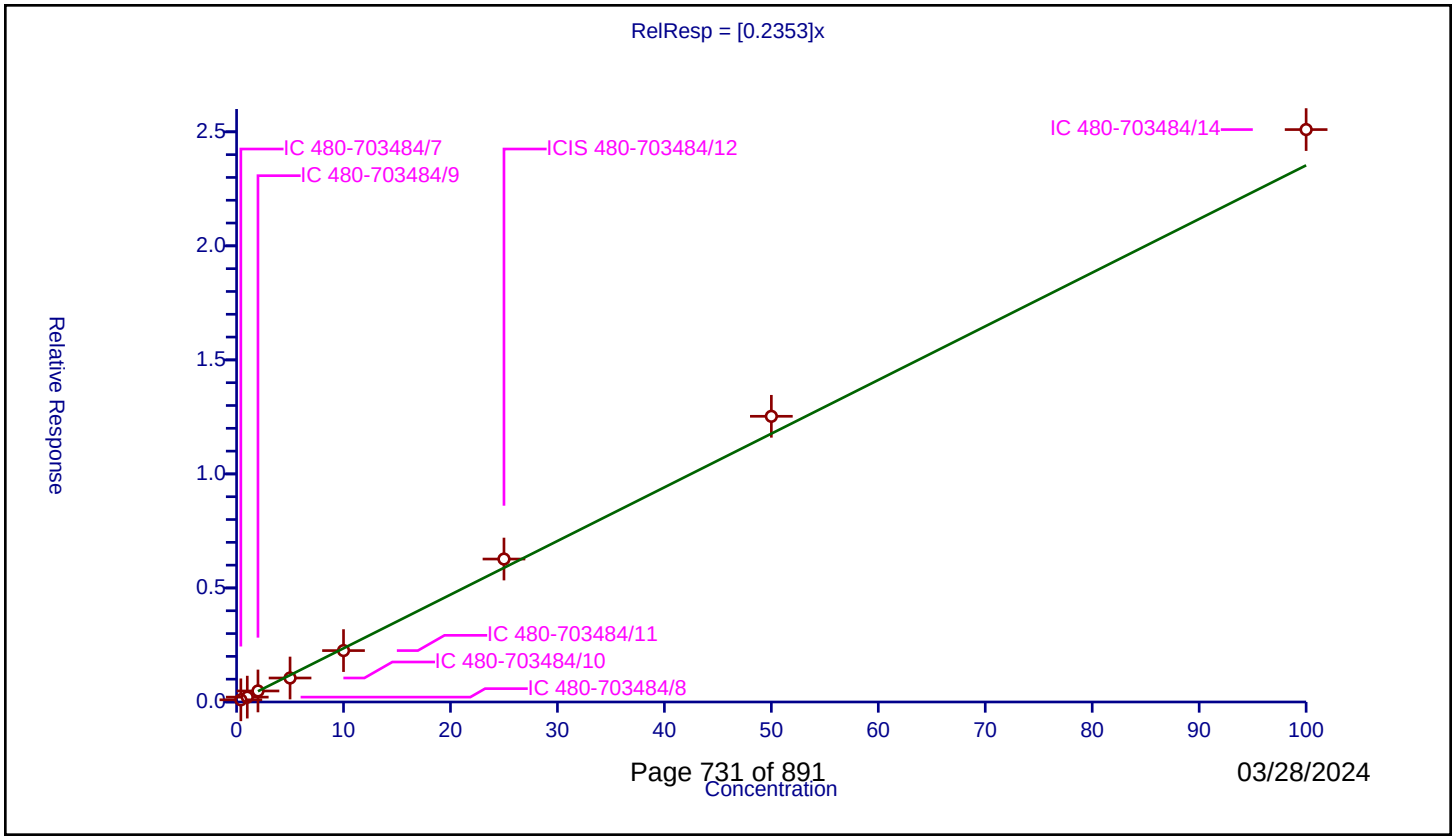
Curve Coefficients

Intercept:	0
Slope:	0.2353

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.095672	25.0	275159.0	0.23918	Y
2	IC 480-703484/8	1.0	0.213605	25.0	291426.0	0.213605	Y
3	IC 480-703484/9	2.0	0.483568	25.0	328444.0	0.241784	Y
4	IC 480-703484/10	5.0	1.051806	25.0	316337.0	0.210361	Y
5	IC 480-703484/11	10.0	2.253454	25.0	296933.0	0.225345	Y
6	ICIS 480-703484/12	25.0	6.267339	25.0	302066.0	0.250694	Y
7	IC 480-703484/13	50.0	12.526155	25.0	300607.0	0.250523	Y
8	IC 480-703484/14	100.0	25.098745	25.0	314700.0	0.250987	Y



Calibration / 1,2,4-Trichlorobenzene

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

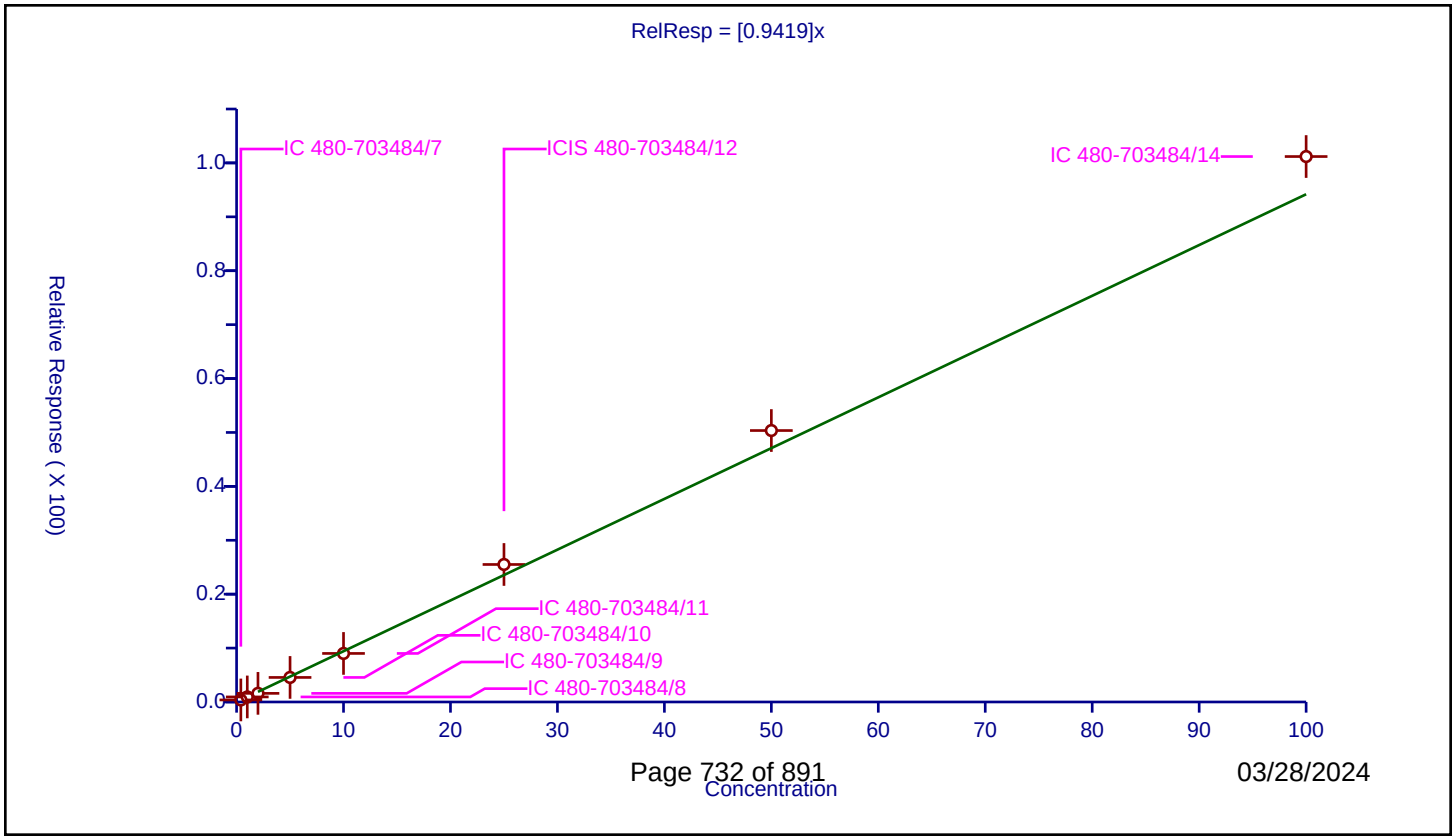
Curve Coefficients

Intercept:	0
Slope:	0.9419

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.37869	25.0	275159.0	0.946725	Y
2	IC 480-703484/8	1.0	0.939003	25.0	291426.0	0.939003	Y
3	IC 480-703484/9	2.0	1.597913	25.0	328444.0	0.798957	Y
4	IC 480-703484/10	5.0	4.553135	25.0	316337.0	0.910627	Y
5	IC 480-703484/11	10.0	9.003799	25.0	296933.0	0.90038	Y
6	ICIS 480-703484/12	25.0	25.506098	25.0	302066.0	1.020244	Y
7	IC 480-703484/13	50.0	50.354948	25.0	300607.0	1.007099	Y
8	IC 480-703484/14	100.0	101.185812	25.0	314700.0	1.011858	Y



Calibration / Hexachlorobutadiene

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

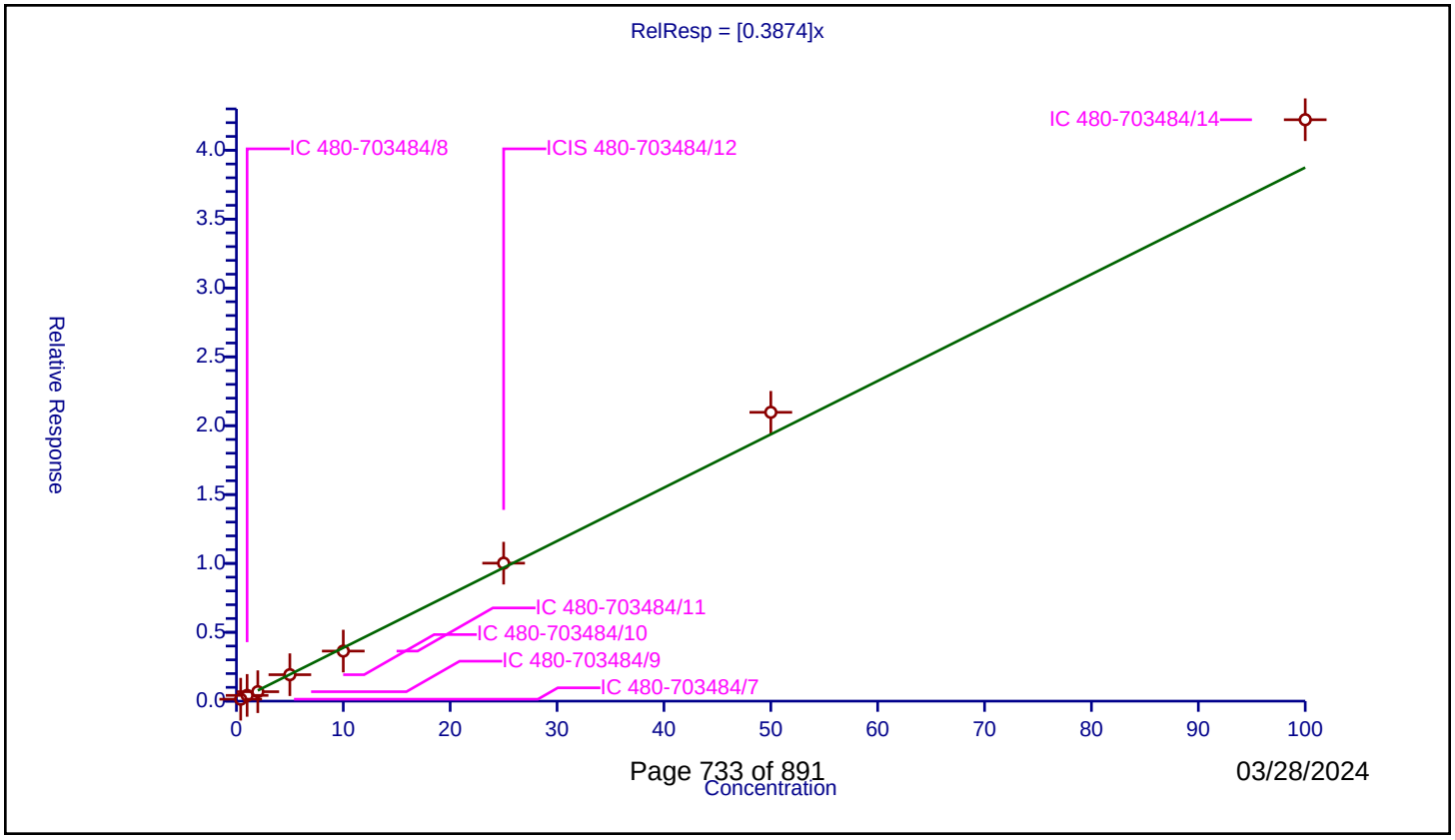
Curve Coefficients

Intercept:	0
Slope:	0.3874

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.139828	25.0	275159.0	0.349571	Y
2	IC 480-703484/8	1.0	0.416915	25.0	291426.0	0.416915	Y
3	IC 480-703484/9	2.0	0.686418	25.0	328444.0	0.343209	Y
4	IC 480-703484/10	5.0	1.919709	25.0	316337.0	0.383942	Y
5	IC 480-703484/11	10.0	3.633732	25.0	296933.0	0.363373	Y
6	ICIS 480-703484/12	25.0	10.018175	25.0	302066.0	0.400727	Y
7	IC 480-703484/13	50.0	20.970237	25.0	300607.0	0.419405	Y
8	IC 480-703484/14	100.0	42.213457	25.0	314700.0	0.422135	Y



Calibration / Naphthalene

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

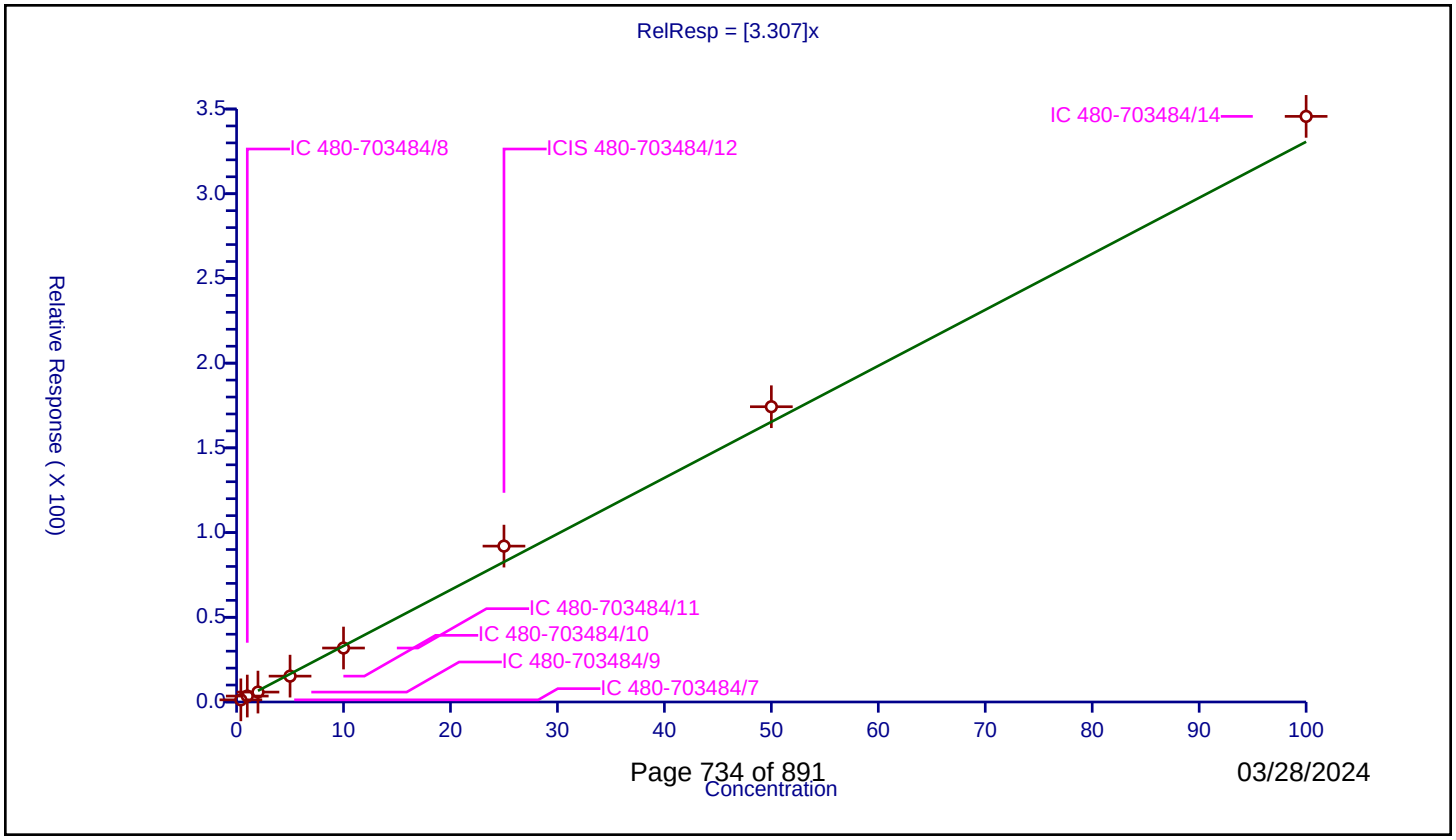
Curve Coefficients

Intercept:	0
Slope:	3.307

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	1.268903	25.0	275159.0	3.172257	Y
2	IC 480-703484/8	1.0	3.494798	25.0	291426.0	3.494798	Y
3	IC 480-703484/9	2.0	5.853509	25.0	328444.0	2.926755	Y
4	IC 480-703484/10	5.0	15.259359	25.0	316337.0	3.051872	Y
5	IC 480-703484/11	10.0	31.853819	25.0	296933.0	3.185382	Y
6	ICIS 480-703484/12	25.0	92.011845	25.0	302066.0	3.680474	Y
7	IC 480-703484/13	50.0	174.274634	25.0	300607.0	3.485493	Y
8	IC 480-703484/14	100.0	345.655545	25.0	314700.0	3.456555	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

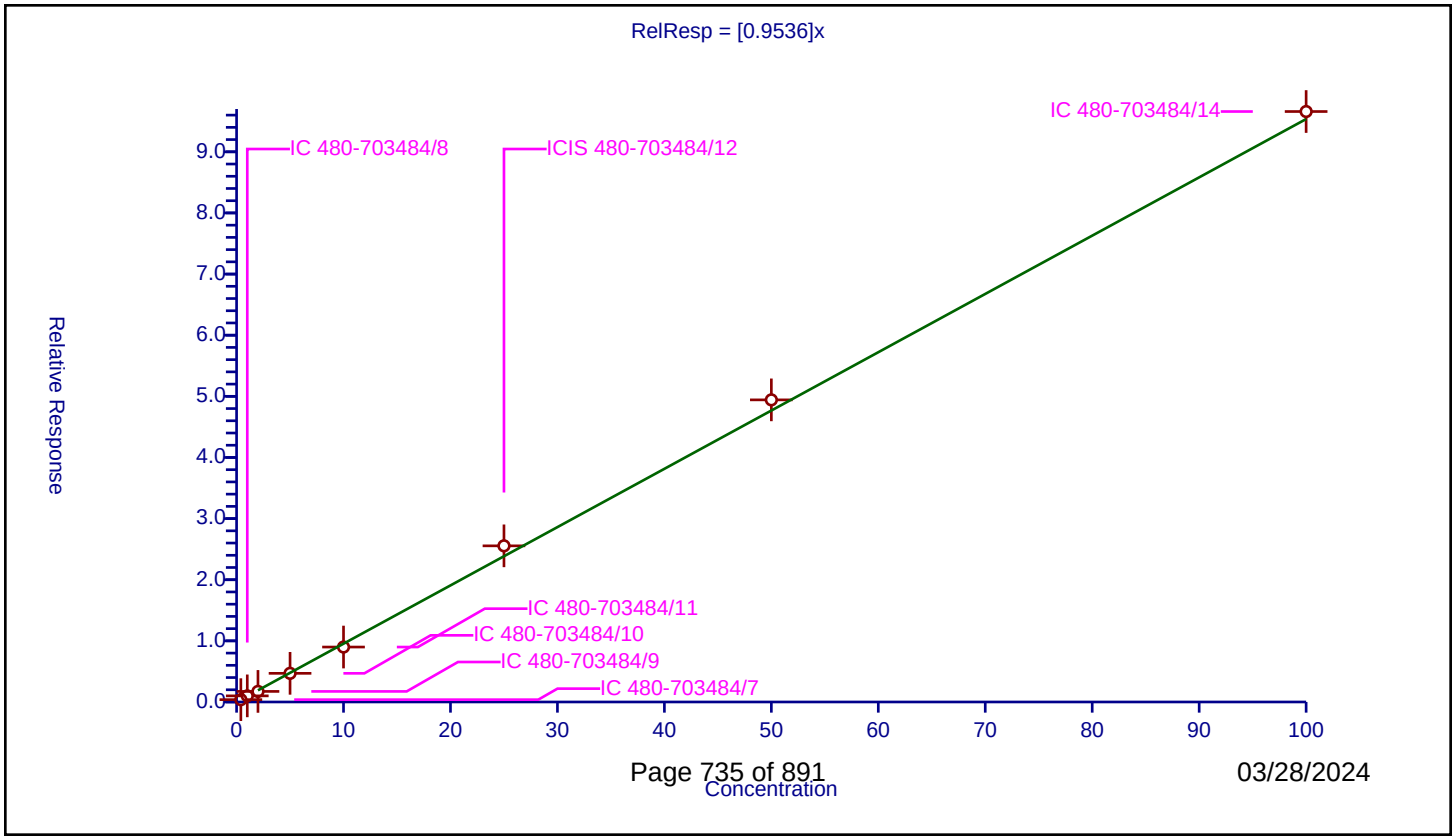
Curve Coefficients

Intercept:	0
Slope:	0.9536

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-703484/7	0.4	0.381143	25.0	275159.0	0.952858	Y
2	IC 480-703484/8	1.0	0.999225	25.0	291426.0	0.999225	Y
3	IC 480-703484/9	2.0	1.728834	25.0	328444.0	0.864417	Y
4	IC 480-703484/10	5.0	4.685905	25.0	316337.0	0.937181	Y
5	IC 480-703484/11	10.0	8.987718	25.0	296933.0	0.898772	Y
6	ICIS 480-703484/12	25.0	25.543673	25.0	302066.0	1.021747	Y
7	IC 480-703484/13	50.0	49.421587	25.0	300607.0	0.988432	Y
8	IC 480-703484/14	100.0	96.589133	25.0	314700.0	0.965891	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Lab Sample ID: ICV 480-703408/32 Calibration Date: 03/12/2024 23:27

Instrument ID: HP5973N Calib Start Date: 03/12/2024 15:37

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 03/12/2024 18:15

Lab File ID: N5502.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	1.379	1.350	0.1000	24.5	25.0	-2.1	50.0
Chloromethane	Ave	2.440	2.299	0.1000	23.6	25.0	-5.8	30.0
Vinyl chloride	Ave	1.373	1.425	0.1000	25.9	25.0	3.8	30.0
Butadiene	Ave	2.472	2.226		22.5	25.0	-10.0	30.0
Bromomethane	Ave	0.9078	0.8386	0.1000	23.1	25.0	-7.6	50.0
Chloroethane	Ave	0.9868	0.9536	0.1000	24.2	25.0	-3.4	50.0
Dichlorofluoromethane	Ave	2.646	2.439		23.0	25.0	-7.8	30.0
Trichlorofluoromethane	Ave	1.696	1.729	0.1000	25.5	25.0	1.9	30.0
Ethyl ether	Ave	1.665	1.628		24.4	25.0	-2.2	30.0
Acrolein	Ave	0.0858	0.0781		114	125	-9.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.196	1.117	0.1000	23.4	25.0	-6.6	30.0
1,1-Dichloroethene	Ave	1.162	1.092	0.1000	23.5	25.0	-6.0	30.0
Acetone	Ave	1.053	1.036	0.1000	123	125	-1.7	50.0
Iodomethane	Ave	2.054	2.014		24.5	25.0	-1.9	30.0
Carbon disulfide	Ave	3.672	3.702	0.1000	25.2	25.0	0.8	30.0
Allyl chloride	Ave	3.619	3.495		24.1	25.0	-3.4	30.0
Methyl acetate	Ave	2.711	2.669	0.1000	49.2	50.0	-1.5	50.0
Methylene Chloride	Ave	1.501	1.428	0.1000	23.8	25.0	-4.9	30.0
2-Methyl-2-propanol	Ave	0.2988	0.2949		247	250	-1.3	50.0
Methyl tert-butyl ether	Ave	4.709	4.756	0.1000	25.2	25.0	1.0	30.0
trans-1,2-Dichloroethene	Ave	1.331	1.329	0.1000	25.0	25.0	-0.1	30.0
Acrylonitrile	Ave	1.255	1.216		242	250	-3.1	30.0
Hexane	Ave	2.274	2.080		22.9	25.0	-8.5	30.0
1,1-Dichloroethane	Ave	2.806	2.840	0.2000	25.3	25.0	1.2	30.0
Vinyl acetate	Ave	4.119	4.200		51.0	50.0	2.0	30.0
2,2-Dichloropropane	Ave	1.502	1.312		21.8	25.0	-12.7	30.0
cis-1,2-Dichloroethene	Ave	1.460	1.466	0.1000	25.1	25.0	0.5	30.0
2-Butanone (MEK)	Ave	1.439	1.392	0.1000	121	125	-3.2	30.0
Chlorobromomethane	Ave	0.7882	0.7206		22.9	25.0	-8.6	30.0
Tetrahydrofuran	Ave	1.074	1.068		49.8	50.0	-0.5	30.0
Chloroform	Ave	2.486	2.350	0.2000	23.6	25.0	-5.5	30.0
1,1,1-Trichloroethane	Ave	1.822	1.866	0.1000	25.6	25.0	2.4	30.0
Cyclohexane	Ave	3.017	3.112	0.1000	25.8	25.0	3.1	30.0
Carbon tetrachloride	Ave	1.486	1.481	0.1000	24.9	25.0	-0.4	30.0
1,1-Dichloropropene	Ave	1.548	1.633		26.4	25.0	5.5	30.0
Benzene	Ave	4.643	4.622	0.5000	24.9	25.0	-0.5	30.0
Isobutyl alcohol	Ave	0.1426	0.1527		669	625	7.0	50.0
1,2-Dichloroethane	Ave	2.145	2.035	0.1000	23.7	25.0	-5.1	30.0
n-Heptane	Ave	2.552	2.307		22.6	25.0	-9.6	30.0
Trichloroethene	Ave	1.146	1.115	0.2000	24.3	25.0	-2.7	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Lab Sample ID: ICV 480-703408/32 Calibration Date: 03/12/2024 23:27

Instrument ID: HP5973N Calib Start Date: 03/12/2024 15:37

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 03/12/2024 18:15

Lab File ID: N5502.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
Methylcyclohexane	Ave	2.077	2.172	0.1000	26.1	25.0	4.6	30.0
1,2-Dichloropropane	Ave	1.203	1.200	0.1000	24.9	25.0	-0.2	30.0
Dibromomethane	Ave	0.7298	0.7381	0.1000	25.3	25.0	1.1	30.0
1,4-Dioxane	Ave	0.0029	0.0025		438	500	-12.5	50.0
Bromodichloromethane	Ave	1.438	1.470	0.2000	25.6	25.0	2.3	30.0
2-Chloroethyl vinyl ether	Ave	0.7364	0.7152		24.3	25.0	-2.9	30.0
cis-1,3-Dichloropropene	Ave	1.475	1.459	0.2000	24.7	25.0	-1.1	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2575	0.2849	0.1000	138	125	10.6	30.0
Toluene	Ave	0.7065	0.7366	0.4000	26.1	25.0	4.3	30.0
trans-1,3-Dichloropropene	Ave	0.3497	0.3676	0.1000	26.3	25.0	5.1	30.0
Ethyl methacrylate	Ave	0.3883	0.4291		27.6	25.0	10.5	30.0
1,1,2-Trichloroethane	Ave	0.2191	0.2302	0.1000	26.3	25.0	5.1	30.0
Tetrachloroethene	Ave	0.3041	0.3232	0.2000	26.6	25.0	6.3	30.0
1,3-Dichloropropane	Ave	0.4316	0.4590		26.6	25.0	6.3	30.0
2-Hexanone	Ave	0.5489	0.5628	0.1000	128	125	2.5	30.0
Dibromochloromethane	Ave	0.2767	0.2913	0.1000	26.3	25.0	5.3	30.0
1,2-Dibromoethane	Ave	0.2939	0.2946		25.1	25.0	0.2	30.0
Chlorobenzene	Ave	0.8439	0.8546	0.5000	25.3	25.0	1.3	30.0
Ethylbenzene	Ave	1.422	1.495	0.1000	26.3	25.0	5.2	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3214	0.3347		26.0	25.0	4.1	30.0
m,p-Xylene	Ave	0.5423	0.5953	0.1000	27.4	25.0	9.8	30.0
o-Xylene	Ave	0.5844	0.6592	0.3000	28.2	25.0	12.8	30.0
Styrene	Ave	0.8704	0.9657	0.3000	27.7	25.0	11.0	30.0
Bromoform	Ave	0.2044	0.1982	0.1000	24.2	25.0	-3.1	50.0
Isopropylbenzene	Ave	2.570	2.924	0.1000	28.4	25.0	13.8	30.0
Bromobenzene	Ave	0.6118	0.6741		27.5	25.0	10.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8053	0.8535	0.3000	26.5	25.0	6.0	30.0
N-Propylbenzene	Ave	2.986	3.299		27.6	25.0	10.5	30.0
1,2,3-Trichloropropane	Ave	0.2802	0.2894		25.8	25.0	3.3	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3407	0.3378		24.8	25.0	-0.8	50.0
2-Chlorotoluene	Ave	0.6157	0.6448		26.2	25.0	4.7	30.0
1,3,5-Trimethylbenzene	Ave	2.261	2.565		28.4	25.0	13.5	30.0
4-Chlorotoluene	Ave	2.031	2.146		26.4	25.0	5.6	30.0
tert-Butylbenzene	Ave	0.4421	0.4898		27.7	25.0	10.8	30.0
1,2,4-Trimethylbenzene	Ave	2.317	2.608		28.1	25.0	12.6	30.0
sec-Butylbenzene	Ave	2.789	3.209		28.8	25.0	15.1	30.0
1,3-Dichlorobenzene	Ave	1.277	1.332	0.6000	26.1	25.0	4.4	30.0
4-Isopropyltoluene	Ave	2.498	2.799		28.0	25.0	12.0	30.0
1,4-Dichlorobenzene	Ave	1.272	1.326	0.5000	26.1	25.0	4.2	30.0
n-Butylbenzene	Ave	2.133	2.405		28.2	25.0	12.7	30.0
1,2-Dichlorobenzene	Ave	1.264	1.379	0.4000	27.3	25.0	9.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Lab Sample ID: ICV 480-703408/32 Calibration Date: 03/12/2024 23:27

Instrument ID: HP5973N Calib Start Date: 03/12/2024 15:37

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 03/12/2024 18:15

Lab File ID: N5502.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1908	0.2119	0.0500	27.8	25.0	11.0	50.0
1,2,4-Trichlorobenzene	Ave	0.8456	0.9396	0.2000	27.8	25.0	11.1	30.0
Hexachlorobutadiene	Lin1		0.4044		23.9	25.0	-4.3	30.0
Naphthalene	Ave	2.811	3.296		29.3	25.0	17.2	30.0
1,2,3-Trichlorobenzene	Ave	0.8360	0.9294		27.8	25.0	11.2	30.0
Dibromofluoromethane (Surr)	Ave	1.653	1.579		23.9	25.0	-4.5	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	2.078	1.997		24.0	25.0	-3.9	30.0
Toluene-d8 (Surr)	Ave	1.314	1.353		25.8	25.0	3.0	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4361	0.4242		24.3	25.0	-2.7	30.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5502.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 12-Mar-2024 23:27:30 ALS Bottle#: 33 Worklist Smp#: 32
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 480-0116708-032
Operator ID: LH Instrument ID: HP5973N
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2024 10:19:01 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: WLL8 Date: 13-Mar-2024 10:14:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.053	5.053	0.000	97	192109	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.015	8.015	0.000	89	638038	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.443	10.443	0.000	95	368500	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.481	4.481	0.000	92	303298	25.0	23.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.779	4.779	0.000	69	383654	25.0	24.0	
$ 6 Toluene-d8 (Surr)	98	6.543	6.543	0.000	95	863298	25.0	25.8	
$ 7 4-Bromofluorobenzene (Surr)	174	9.268	9.269	-0.001	87	270626	25.0	24.3	
11 Dichlorodifluoromethane	85	1.141	1.141	0.000	98	259333	25.0	24.5	
13 Chloromethane	50	1.293	1.287	0.006	100	441669	25.0	23.6	
14 Vinyl chloride	62	1.372	1.372	0.000	98	273681	25.0	25.9	
144 Butadiene	54	1.384	1.378	0.006	98	427636	25.0	22.5	
15 Bromomethane	94	1.640	1.622	0.018	92	161095	25.0	23.1	
16 Chloroethane	64	1.713	1.701	0.012	96	183191	25.0	24.2	
18 Trichlorofluoromethane	101	1.920	1.889	0.031	64	332088	25.0	25.5	
17 Dichlorofluoromethane	67	1.907	1.901	0.006	96	468531	25.0	23.0	
19 Ethyl ether	59	2.163	2.157	0.006	95	312779	25.0	24.4	
20 Acrolein	56	2.327	2.333	-0.006	98	74993	125.0	113.7	
22 1,1-Dichloroethene	96	2.364	2.358	0.006	90	209739	25.0	23.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.364	2.364	0.000	57	214652	25.0	23.4	
23 Acetone	43	2.473	2.473	0.000	97	995082	125.0	122.9	
24 Iodomethane	142	2.510	2.510	0.000	99	386862	25.0	24.5	
25 Carbon disulfide	76	2.546	2.540	0.006	99	711198	25.0	25.2	
27 3-Chloro-1-propene	41	2.716	2.711	0.006	87	671486	25.0	24.1	
28 Methyl acetate	43	2.759	2.759	0.000	100	1025655	50.0	49.2	
30 Methylene Chloride	84	2.850	2.857	-0.006	90	274317	25.0	23.8	
31 2-Methyl-2-propanol	59	3.021	3.021	0.000	99	566518	250.0	246.7	
32 Methyl tert-butyl ether	73	3.057	3.057	0.000	98	913657	25.0	25.2	
33 trans-1,2-Dichloroethene	96	3.075	3.076	-0.001	91	255395	25.0	25.0	
34 Acrylonitrile	53	3.124	3.124	0.000	96	2336942	250.0	242.4	
35 Hexane	57	3.264	3.264	0.000	96	399594	25.0	22.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.477	3.477	0.000	97	545657	25.0	25.3	
39 Vinyl acetate	43	3.532	3.532	0.000	96	1613907	50.0	51.0	
42 2,2-Dichloropropane	77	3.982	3.982	0.000	86	252012	25.0	21.8	
43 cis-1,2-Dichloroethene	96	4.018	4.018	0.000	85	281724	25.0	25.1	
44 2-Butanone (MEK)	43	4.055	4.055	0.000	96	1337335	125.0	121.0	
47 Chlorobromomethane	128	4.250	4.244	0.006	87	138428	25.0	22.9	
49 Tetrahydrofuran	42	4.262	4.262	0.000	93	410526	50.0	49.8	
50 Chloroform	83	4.329	4.329	0.000	97	451537	25.0	23.6	
51 1,1,1-Trichloroethane	97	4.432	4.426	0.006	96	358415	25.0	25.6	
52 Cyclohexane	56	4.438	4.438	0.000	97	597825	25.0	25.8	
53 Carbon tetrachloride	117	4.566	4.566	0.000	96	284513	25.0	24.9	
54 1,1-Dichloropropene	75	4.578	4.584	-0.006	85	313788	25.0	26.4	
55 Benzene	78	4.779	4.779	0.000	92	887897	25.0	24.9	
56 Isobutyl alcohol	43	4.821	4.822	-0.001	93	733222	625.0	669.0	
57 1,2-Dichloroethane	62	4.852	4.852	0.000	95	391026	25.0	23.7	
59 n-Heptane	43	4.967	4.974	-0.007	95	443211	25.0	22.6	
60 Trichloroethene	95	5.387	5.387	0.000	95	214256	25.0	24.3	
62 Methylcyclohexane	83	5.497	5.497	0.000	95	417198	25.0	26.1	
63 1,2-Dichloropropane	63	5.618	5.618	0.000	84	230577	25.0	24.9	
64 Dibromomethane	93	5.752	5.758	-0.006	96	141805	25.0	25.3	
66 1,4-Dioxane	88	5.764	5.771	-0.007	41	32485	500.0	437.7	
67 Dichlorobromomethane	83	5.910	5.910	0.000	96	282430	25.0	25.6	
69 2-Chloroethyl vinyl ether	63	6.196	6.190	0.006	86	137390	25.0	24.3	
71 cis-1,3-Dichloropropene	75	6.324	6.324	0.000	86	280327	25.0	24.7	
72 4-Methyl-2-pentanone (MIBK)	58	6.476	6.476	0.000	97	908822	125.0	138.3	
73 Toluene	92	6.604	6.610	-0.006	96	469974	25.0	26.1	
75 trans-1,3-Dichloropropene	75	6.890	6.896	-0.006	93	234553	25.0	26.3	
77 Ethyl methacrylate	69	6.945	6.951	-0.006	89	273790	25.0	27.6	
78 1,1,2-Trichloroethane	83	7.078	7.079	0.000	95	146908	25.0	26.3	
79 Tetrachloroethene	166	7.133	7.133	0.000	93	206229	25.0	26.6	
80 1,3-Dichloropropane	76	7.237	7.237	0.000	92	292856	25.0	26.6	
82 2-Hexanone	43	7.310	7.310	0.000	97	1795525	125.0	128.2	
83 Chlorodibromomethane	129	7.468	7.468	0.000	89	185848	25.0	26.3	
84 Ethylene Dibromide	107	7.565	7.565	0.000	100	187956	25.0	25.1	
85 Chlorobenzene	112	8.040	8.040	0.000	92	545273	25.0	25.3	
88 Ethylbenzene	91	8.137	8.137	0.000	99	953753	25.0	26.3	
89 1,1,1,2-Tetrachloroethane	131	8.143	8.143	0.000	94	213537	25.0	26.0	
90 m-Xylene & p-Xylene	106	8.259	8.259	0.000	98	379803	25.0	27.4	
91 o-Xylene	106	8.684	8.685	-0.001	97	420600	25.0	28.2	
92 Styrene	104	8.715	8.715	0.000	94	616147	25.0	27.7	
93 Bromoform	173	8.952	8.952	0.000	96	126428	25.0	24.2	
95 Isopropylbenzene	105	9.068	9.068	0.000	97	1077459	25.0	28.4	
97 Bromobenzene	156	9.414	9.421	-0.007	92	248398	25.0	27.5	
98 1,1,2,2-Tetrachloroethane	83	9.494	9.494	0.000	97	314522	25.0	26.5	
100 N-Propylbenzene	91	9.512	9.512	0.000	99	1215677	25.0	27.6	
99 1,2,3-Trichloropropane	110	9.524	9.524	0.000	90	106630	25.0	25.8	
101 trans-1,4-Dichloro-2-butene	53	9.542	9.542	0.000	80	124491	25.0	24.8	
102 2-Chlorotoluene	126	9.615	9.609	0.006	96	237610	25.0	26.2	
104 1,3,5-Trimethylbenzene	105	9.700	9.701	-0.001	94	945341	25.0	28.4	
105 4-Chlorotoluene	91	9.731	9.731	0.000	98	790662	25.0	26.4	
106 tert-Butylbenzene	134	10.023	10.029	-0.006	96	180509	25.0	27.7	
108 1,2,4-Trimethylbenzene	105	10.084	10.084	0.000	98	960880	25.0	28.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.242	10.242	0.000	95	1182647	25.0	28.8	
110 1,3-Dichlorobenzene	146	10.376	10.376	0.000	97	490881	25.0	26.1	
111 4-Isopropyltoluene	119	10.388	10.388	0.000	98	1031253	25.0	28.0	
113 1,4-Dichlorobenzene	146	10.461	10.467	-0.006	93	488594	25.0	26.1	
115 n-Butylbenzene	91	10.783	10.783	0.000	98	886106	25.0	28.2	
116 1,2-Dichlorobenzene	146	10.820	10.820	0.000	96	508059	25.0	27.3	
117 1,2-Dibromo-3-Chloropropane	75	11.562	11.568	-0.006	78	78070	25.0	27.8	
119 1,2,4-Trichlorobenzene	180	12.243	12.250	-0.007	95	346258	25.0	27.8	
120 Hexachlorobutadiene	225	12.365	12.359	0.006	96	149026	25.0	23.9	
121 Naphthalene	128	12.456	12.456	0.000	97	1214638	25.0	29.3	
122 1,2,3-Trichlorobenzene	180	12.657	12.663	-0.006	94	342467	25.0	27.8	

QC Flag Legend

Processing Flags

Reagents:

SS GAS CORP_00572	Amount Added: 12.50	Units: uL	
SS 8260 CORP_00113	Amount Added: 12.50	Units: uL	
N_8260_Surr_00468	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00266	Amount Added: 1.00	Units: uL	Run Reagent

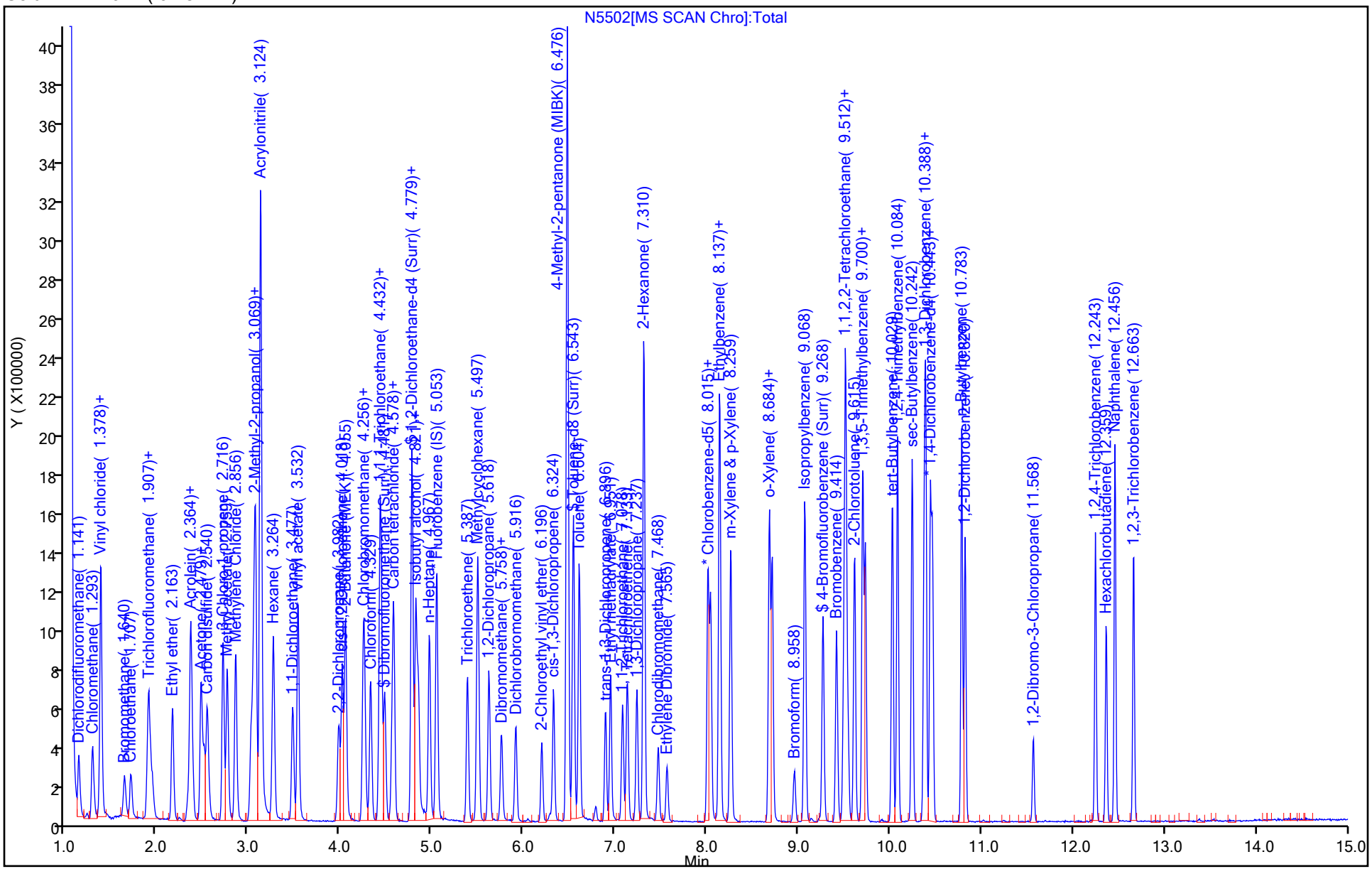
Report Date: 13-Mar-2024 10:20:00 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5502.d

Injection Date:	12-Mar-2024 23:27:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	ICV			Worklist Smp#:	32
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	33
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Lab Sample ID: ICV 480-703408/33 Calibration Date: 03/12/2024 23:49

Instrument ID: HP5973N Calib Start Date: 03/12/2024 15:37

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 03/12/2024 18:15

Lab File ID: N5503.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
Dibromofluoromethane (Surr)	Ave	1.653	1.564		23.7	25.0	-5.4	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	2.078	2.047		24.6	25.0	-1.5	30.0
Toluene-d8 (Surr)	Ave	1.314	1.367		26.0	25.0	4.1	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4361	0.4269		24.5	25.0	-2.1	30.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5503.d
Lims ID: ICV ADD
Client ID:
Sample Type: ICV
Inject. Date: 12-Mar-2024 23:49:30 ALS Bottle#: 34 Worklist Smp#: 33
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV ADD
Misc. Info.: 480-0116708-033
Operator ID: LH Instrument ID: HP5973N
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2024 10:19:01 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: WLL8 Date: 13-Mar-2024 10:15:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.046	5.053	-0.007	98	188027	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.015	8.015	0.000	90	622182	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.443	10.443	0.000	76	364153	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.481	4.481	0.000	93	294053	25.0	23.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.779	4.779	0.000	99	384914	25.0	24.6	
$ 6 Toluene-d8 (Surr)	98	6.543	6.543	0.000	95	850391	25.0	26.0	
$ 7 4-Bromofluorobenzene (Surr)	174	9.268	9.269	-0.001	86	265589	25.0	24.5	
12 Chlorodifluoromethane	51	1.159	1.159	0.000	97	390856	25.0	26.2	
141 Ethanol	45	2.175	2.169	0.006	100	134332	1000.0	1103.1	
81 Propene oxide	58	2.242	2.242	0.000	95	660707	NC	NC	
26 Isopropyl alcohol	45	2.662	2.656	0.006	99	307012	250.0	260.3	
29 Acetonitrile	40	2.771	2.771	0.000	99	345794	250.0	238.3	
37 Isopropyl ether	45	3.495	3.495	0.000	97	1476620	25.0	25.9	
38 2-Chloro-1,3-butadiene	53	3.532	3.538	-0.006	91	604128	25.0	25.9	
40 1,1-Dimethoxyethane	75	3.568	3.568	0.000	96	362892	125.0	129.1	
41 Tert-butyl ethyl ether	59	3.824	3.830	-0.006	97	1113263	25.0	25.6	
45 Ethyl acetate	43	4.091	4.091	0.000	98	854701	50.0	50.4	
46 Propionitrile	54	4.152	4.152	0.000	99	782210	250.0	272.5	
48 Methacrylonitrile	67	4.262	4.262	0.000	97	1306669	250.0	256.1	
146 Isooctane	57	4.779	4.779	0.000	98	1268524	25.0	24.9	
58 Tert-amyl methyl ether	73	4.864	4.864	0.000	82	1060828	25.0	26.0	
140 t-Amyl alcohol	59	4.876	4.870	0.006	68	529486	250.0	293.2	
1 1,4-Difluorobenzene	114	5.162	5.162	0.000	97	577225	25.0	25.5	
61 n-Butanol	56	5.436	5.436	0.000	95	292685	625.0	722.0	
145 Ethyl acrylate	55	5.521	5.521	0.000	98	387281	25.0	26.2	
65 Methyl methacrylate	41	5.734	5.734	0.000	88	669218	50.0	50.2	
68 2-Nitropropane	43	6.160	6.160	0.000	99	194447	50.0	55.1	
70 Epichlorohydrin	57	6.281	6.282	-0.001	98	444102	250.0	253.4	
149 n-Butyl acetate	43	7.431	7.431	0.000	95	638497	25.0	25.9	
139 1-Chlorohexane	55	8.003	8.009	-0.006	83	264290	25.0	24.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
86 3-Chlorobenzotrifluoride	180	8.027	8.028	-0.001	92	306820	25.0	27.3	
87 4-Chlorobenzotrifluoride	180	8.088	8.088	0.000	96	288072	25.0	26.8	
94 2-Chlorobenzotrifluoride	180	9.001	9.001	0.000	95	325301	25.0	25.9	
96 Cyclohexanone	55	9.238	9.244	-0.006	94	124857	250.0	236.9	
103 3-Chlorotoluene	126	9.682	9.682	0.000	97	236868	25.0	26.6	
107 Pentachloroethane	167	10.084	10.078	0.006	85	107351	25.0	26.5	
112 Dicyclopentadiene	66	10.436	10.437	-0.001	96	1124877	25.0	26.4	
114 1,2,3-Trimethylbenzene	105	10.497	10.497	0.000	99	999508	25.0	28.6	
143 Benzyl chloride	126	10.619	10.619	0.000	99	76022	25.0	23.0	
118 1,3,5-Trichlorobenzene	180	11.702	11.702	0.000	96	382845	25.0	26.5	
142 2-Methylnaphthalene	142	13.375	13.375	0.000	94	653622	25.0	23.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SS ADD CORP_00091	Amount Added: 12.50	Units: uL	
N_8260_Surr_00468	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00266	Amount Added: 1.00	Units: uL	Run Reagent

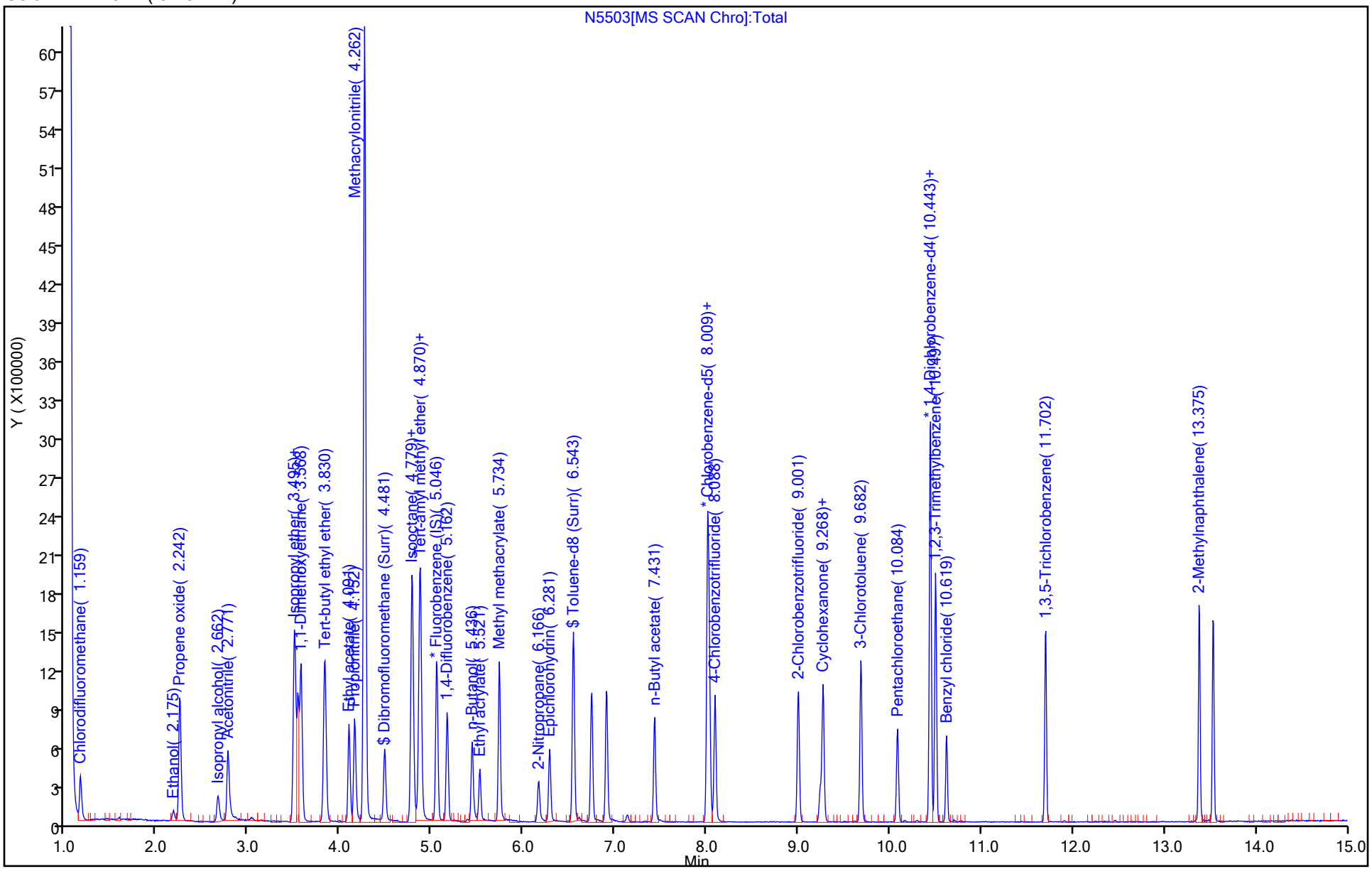
Report Date: 13-Mar-2024 10:20:08 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5503.d

Injection Date:	12-Mar-2024 23:49:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	ICV ADD			Worklist Smp#:	33
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	34
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Lab Sample ID: ICV 480-703408/33 Calibration Date: 03/12/2024 23:49

Instrument ID: HP5973N Calib Start Date: 03/12/2024 20:06

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 03/12/2024 22:20

Lab File ID: N5503.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
Chlorodifluoromethane	Ave	1.985	2.079		26.2	25.0	4.7	30.0
Ethanol	Ave	0.0162	0.0179		1100	1000	10.3	30.0
Isopropyl alcohol	Ave	0.1568	0.1633		260	250	4.1	30.0
Acetonitrile	Ave	0.1930	0.1839		238	250	-4.7	30.0
Isopropyl ether	Ave	7.590	7.853		25.9	25.0	3.5	30.0
Chloroprene	Ave	3.096	3.213		25.9	25.0	3.8	30.0
1,1-Dimethoxyethane	Ave	0.3738	0.3860		129	125	3.3	30.0
Tert-butyl ethyl ether	Ave	5.793	5.921		25.6	25.0	2.2	30.0
Ethyl acetate	Ave	2.256	2.273		50.4	50.0	0.8	30.0
Propionitrile	Ave	0.3817	0.4160		272	250	9.0	30.0
Methacrylonitrile	Ave	0.6785	0.6949		256	250	2.4	30.0
Isooctane	Ave	6.775	6.746		24.9	25.0	-0.4	30.0
Tert-amyl methyl ether	Ave	5.427	5.642		26.0	25.0	4.0	30.0
t-Amyl alcohol	Ave	0.2401	0.2816		293	250	17.3	30.0
1,4-Difluorobenzene	Ave	3.005	3.070		25.5	25.0	2.2	30.0
n-Butanol	Ave	0.0539	0.0623		722	625	15.5	30.0
Ethyl acrylate	Ave	1.965	2.060		26.2	25.0	4.8	30.0
Methyl methacrylate	Ave	1.771	1.780		50.2	50.0	0.5	30.0
2-Nitropropane	Ave	0.2422	0.2670		55.1	50.0	10.2	30.0
Epichlorohydrin	Ave	0.2330	0.2362		253	250	1.4	30.0
n-Butyl acetate	Ave	0.9899	1.026	0.1000	25.9	25.0	3.7	30.0
1-Chlorohexane	Lin1		0.4248		24.7	25.0	-1.2	30.0
3-Chlorobenzotrifluoride	Ave	0.7716	0.8426		27.3	25.0	9.2	30.0
4-Chlorobenzotrifluoride	Ave	0.7385	0.7911		26.8	25.0	7.1	30.0
2-Chlorobenzotrifluoride	Ave	0.8621	0.8933		25.9	25.0	3.6	30.0
Cyclohexanone	Ave	0.0362	0.0343		237	250	-5.3	30.0
3-Chlorotoluene	Ave	0.6109	0.6505		26.6	25.0	6.5	30.0
Pentachloroethane	Ave	0.2784	0.2948		26.5	25.0	5.9	30.0
Dicyclopentadiene	Ave	2.924	3.089		26.4	25.0	5.6	30.0
1,2,3-Trimethylbenzene	Ave	2.403	2.745		28.6	25.0	14.2	30.0
Benzyl chloride	Ave	0.1327	0.1222		23.0	25.0	-7.9	30.0
1,3,5-Trichlorobenzene	Ave	0.9920	1.051		26.5	25.0	6.0	30.0
2-Methylnaphthalene	Lin1		1.795		23.8	25.0	-4.6	30.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5503.d
Lims ID: ICV ADD
Client ID:
Sample Type: ICV
Inject. Date: 12-Mar-2024 23:49:30 ALS Bottle#: 34 Worklist Smp#: 33
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV ADD
Misc. Info.: 480-0116708-033
Operator ID: LH Instrument ID: HP5973N
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2024 10:19:01 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: WLL8 Date: 13-Mar-2024 10:15:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.046	5.053	-0.007	98	188027	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.015	8.015	0.000	90	622182	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.443	10.443	0.000	76	364153	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.481	4.481	0.000	93	294053	25.0	23.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.779	4.779	0.000	99	384914	25.0	24.6	
$ 6 Toluene-d8 (Surr)	98	6.543	6.543	0.000	95	850391	25.0	26.0	
$ 7 4-Bromofluorobenzene (Surr)	174	9.268	9.269	-0.001	86	265589	25.0	24.5	
12 Chlorodifluoromethane	51	1.159	1.159	0.000	97	390856	25.0	26.2	
141 Ethanol	45	2.175	2.169	0.006	100	134332	1000.0	1103.1	
81 Propene oxide	58	2.242	2.242	0.000	95	660707	NC	NC	
26 Isopropyl alcohol	45	2.662	2.656	0.006	99	307012	250.0	260.3	
29 Acetonitrile	40	2.771	2.771	0.000	99	345794	250.0	238.3	
37 Isopropyl ether	45	3.495	3.495	0.000	97	1476620	25.0	25.9	
38 2-Chloro-1,3-butadiene	53	3.532	3.538	-0.006	91	604128	25.0	25.9	
40 1,1-Dimethoxyethane	75	3.568	3.568	0.000	96	362892	125.0	129.1	
41 Tert-butyl ethyl ether	59	3.824	3.830	-0.006	97	1113263	25.0	25.6	
45 Ethyl acetate	43	4.091	4.091	0.000	98	854701	50.0	50.4	
46 Propionitrile	54	4.152	4.152	0.000	99	782210	250.0	272.5	
48 Methacrylonitrile	67	4.262	4.262	0.000	97	1306669	250.0	256.1	
146 Isooctane	57	4.779	4.779	0.000	98	1268524	25.0	24.9	
58 Tert-amyl methyl ether	73	4.864	4.864	0.000	82	1060828	25.0	26.0	
140 t-Amyl alcohol	59	4.876	4.870	0.006	68	529486	250.0	293.2	
1 1,4-Difluorobenzene	114	5.162	5.162	0.000	97	577225	25.0	25.5	
61 n-Butanol	56	5.436	5.436	0.000	95	292685	625.0	722.0	
145 Ethyl acrylate	55	5.521	5.521	0.000	98	387281	25.0	26.2	
65 Methyl methacrylate	41	5.734	5.734	0.000	88	669218	50.0	50.2	
68 2-Nitropropane	43	6.160	6.160	0.000	99	194447	50.0	55.1	
70 Epichlorohydrin	57	6.281	6.282	-0.001	98	444102	250.0	253.4	
149 n-Butyl acetate	43	7.431	7.431	0.000	95	638497	25.0	25.9	
139 1-Chlorohexane	55	8.003	8.009	-0.006	83	264290	25.0	24.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
86 3-Chlorobenzotrifluoride	180	8.027	8.028	-0.001	92	306820	25.0	27.3	
87 4-Chlorobenzotrifluoride	180	8.088	8.088	0.000	96	288072	25.0	26.8	
94 2-Chlorobenzotrifluoride	180	9.001	9.001	0.000	95	325301	25.0	25.9	
96 Cyclohexanone	55	9.238	9.244	-0.006	94	124857	250.0	236.9	
103 3-Chlorotoluene	126	9.682	9.682	0.000	97	236868	25.0	26.6	
107 Pentachloroethane	167	10.084	10.078	0.006	85	107351	25.0	26.5	
112 Dicyclopentadiene	66	10.436	10.437	-0.001	96	1124877	25.0	26.4	
114 1,2,3-Trimethylbenzene	105	10.497	10.497	0.000	99	999508	25.0	28.6	
143 Benzyl chloride	126	10.619	10.619	0.000	99	76022	25.0	23.0	
118 1,3,5-Trichlorobenzene	180	11.702	11.702	0.000	96	382845	25.0	26.5	
142 2-Methylnaphthalene	142	13.375	13.375	0.000	94	653622	25.0	23.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SS ADD CORP_00091	Amount Added: 12.50	Units: uL	
N_8260_Surr_00468	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00266	Amount Added: 1.00	Units: uL	Run Reagent

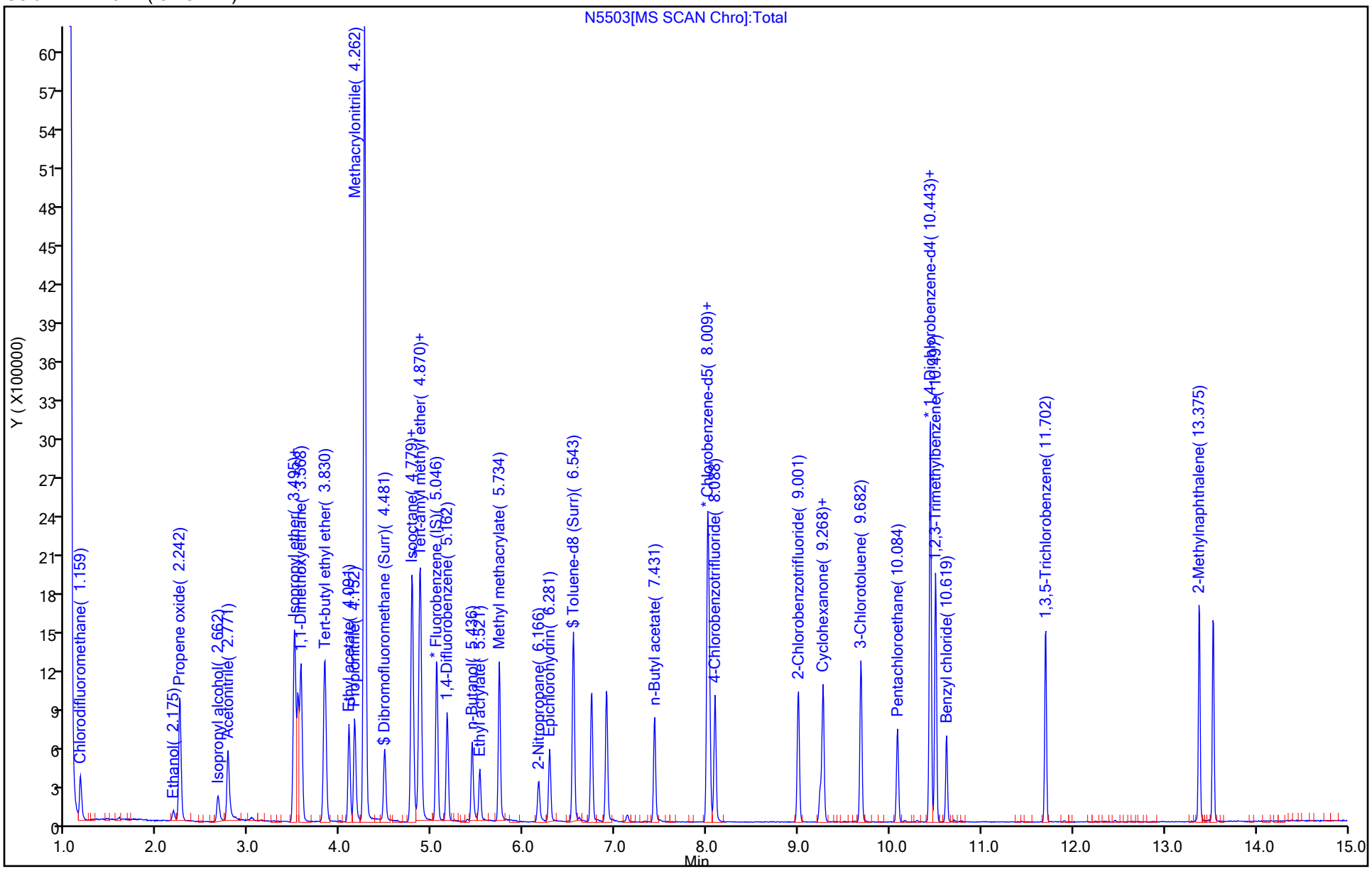
Report Date: 13-Mar-2024 10:20:08 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5503.d

Injection Date:	12-Mar-2024 23:49:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	ICV ADD			Worklist Smp#:	33
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	34
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Lab Sample ID: CCVIS 480-704702/4 Calibration Date: 03/22/2024 11:10

Instrument ID: HP5973N Calib Start Date: 03/12/2024 15:37

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 03/12/2024 18:15

Lab File ID: N5762.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	1.379	1.211	0.1000	22.0	25.0	-12.2	50.0
Chloromethane	Ave	2.440	2.029	0.1000	20.8	25.0	-16.8	20.0
Vinyl chloride	Ave	1.373	1.290	0.1000	23.5	25.0	-6.0	20.0
Butadiene	Ave	2.472	2.083		21.1	25.0	-15.7	20.0
Bromomethane	Ave	0.9078	0.6970	0.1000	19.2	25.0	-23.2	50.0
Chloroethane	Ave	0.9868	0.8517	0.1000	21.6	25.0	-13.7	50.0
Dichlorofluoromethane	Ave	2.646	2.124		20.1	25.0	-19.8	20.0
Trichlorofluoromethane	Ave	1.696	1.597	0.1000	23.5	25.0	-5.9	20.0
Ethyl ether	Ave	1.665	1.446		21.7	25.0	-13.2	20.0
Acrolein	Ave	0.0858	0.0707		103	125	-17.6	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.196	1.021	0.1000	21.3	25.0	-14.7	20.0
1,1-Dichloroethene	Ave	1.162	0.9827	0.1000	21.1	25.0	-15.4	20.0
Acetone	Ave	1.053	0.8816	0.1000	105	125	-16.3	50.0
Iodomethane	Ave	2.054	1.702		20.7	25.0	-17.1	20.0
Carbon disulfide	Ave	3.672	3.515	0.1000	23.9	25.0	-4.3	20.0
Allyl chloride	Ave	3.619	3.391		23.4	25.0	-6.3	20.0
Methyl acetate	Ave	2.711	2.374	0.1000	43.8	50.0	-12.4	50.0
Methylene Chloride	Ave	1.501	1.277	0.1000	21.3	25.0	-14.9	20.0
2-Methyl-2-propanol	Ave	0.2988	0.2507		210	250	-16.1	50.0
Methyl tert-butyl ether	Ave	4.709	4.142	0.1000	22.0	25.0	-12.0	20.0
trans-1,2-Dichloroethene	Ave	1.331	1.185	0.1000	22.3	25.0	-11.0	20.0
Acrylonitrile	Ave	1.255	1.107		221	250	-11.8	20.0
Hexane	Ave	2.274	2.352		25.9	25.0	3.4	20.0
1,1-Dichloroethane	Ave	2.806	2.522	0.2000	22.5	25.0	-10.1	20.0
Vinyl acetate	Ave	4.119	4.357		52.9	50.0	5.8	20.0
2,2-Dichloropropane	Ave	1.502	1.253		20.9	25.0	-16.5	20.0
cis-1,2-Dichloroethene	Ave	1.460	1.337	0.1000	22.9	25.0	-8.4	20.0
2-Butanone (MEK)	Ave	1.439	1.407	0.1000	122	125	-2.2	20.0
Chlorobromomethane	Ave	0.7882	0.6093		19.3	25.0	-22.7*	20.0
Tetrahydrofuran	Ave	1.074	0.998		46.5	50.0	-7.1	20.0
Chloroform	Ave	2.486	2.145	0.2000	21.6	25.0	-13.7	20.0
1,1,1-Trichloroethane	Ave	1.822	1.752	0.1000	24.1	25.0	-3.8	20.0
Cyclohexane	Ave	3.017	2.963	0.1000	24.6	25.0	-1.8	20.0
Carbon tetrachloride	Ave	1.486	1.497	0.1000	25.2	25.0	0.7	20.0
1,1-Dichloropropene	Ave	1.548	1.570		25.4	25.0	1.4	20.0
Benzene	Ave	4.643	4.518	0.5000	24.3	25.0	-2.7	20.0
Isobutyl alcohol	Ave	0.1426	0.1483		650	625	4.0	50.0
1,2-Dichloroethane	Ave	2.145	2.006	0.1000	23.4	25.0	-6.5	20.0
n-Heptane	Ave	2.552	2.956		29.0	25.0	15.8	20.0
Trichloroethene	Ave	1.146	1.126	0.2000	24.5	25.0	-1.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Lab Sample ID: CCVIS 480-704702/4 | Calibration Date: 03/22/2024 11:10

Instrument ID: HP5973N | Calib Start Date: 03/12/2024 15:37

GC Column: ZB-624 (20) ID: 0.18(mm) | Calib End Date: 03/12/2024 18:15

Lab File ID: N5762.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
Methylcyclohexane	Ave	2.077	2.148	0.1000	25.8	25.0	3.4	20.0
1,2-Dichloropropane	Ave	1.203	1.223	0.1000	25.4	25.0	1.6	20.0
Dibromomethane	Ave	0.7298	0.7555	0.1000	25.9	25.0	3.5	20.0
1,4-Dioxane	Ave	0.0029	0.0046		795	500	58.9*	50.0
Bromodichloromethane	Ave	1.438	1.488	0.2000	25.9	25.0	3.5	20.0
2-Chloroethyl vinyl ether	Ave	0.7364	0.7322		24.9	25.0	-0.6	20.0
cis-1,3-Dichloropropene	Ave	1.475	1.581	0.2000	26.8	25.0	7.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2575	0.2833	0.1000	138	125	10.0	20.0
Toluene	Ave	0.7065	0.8035	0.4000	28.4	25.0	13.7	20.0
trans-1,3-Dichloropropene	Ave	0.3497	0.4232	0.1000	30.3	25.0	21.0*	20.0
Ethyl methacrylate	Ave	0.3883	0.4466		28.8	25.0	15.0	20.0
1,1,2-Trichloroethane	Ave	0.2191	0.2501	0.1000	28.5	25.0	14.2	20.0
Tetrachloroethene	Ave	0.3041	0.3198	0.2000	26.3	25.0	5.2	20.0
1,3-Dichloropropane	Ave	0.4316	0.4966		28.8	25.0	15.0	20.0
2-Hexanone	Ave	0.5489	0.5720	0.1000	130	125	4.2	20.0
Dibromochloromethane	Ave	0.2767	0.3024	0.1000	27.3	25.0	9.3	20.0
1,2-Dibromoethane	Ave	0.2939	0.2898		24.7	25.0	-1.4	20.0
Chlorobenzene	Ave	0.8439	0.8334	0.5000	24.7	25.0	-1.2	20.0
Ethylbenzene	Ave	1.422	1.557	0.1000	27.4	25.0	9.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3214	0.3180		24.7	25.0	-1.0	20.0
m,p-Xylene	Ave	0.5423	0.5741	0.1000	26.5	25.0	5.9	20.0
o-Xylene	Ave	0.5844	0.6037	0.3000	25.8	25.0	3.3	20.0
Styrene	Ave	0.8704	0.9059	0.3000	26.0	25.0	4.1	20.0
Bromoform	Ave	0.2044	0.2147	0.1000	26.3	25.0	5.0	50.0
Isopropylbenzene	Ave	2.570	2.952	0.1000	28.7	25.0	14.9	20.0
Bromobenzene	Ave	0.6118	0.6288		25.7	25.0	2.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8053	0.8943	0.3000	27.8	25.0	11.0	20.0
N-Propylbenzene	Ave	2.986	3.434		28.8	25.0	15.0	20.0
1,2,3-Trichloropropane	Ave	0.2802	0.2765		24.7	25.0	-1.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3407	0.3786		27.8	25.0	11.1	50.0
2-Chlorotoluene	Ave	0.6157	0.6238		25.3	25.0	1.3	20.0
1,3,5-Trimethylbenzene	Ave	2.261	2.465		27.3	25.0	9.0	20.0
4-Chlorotoluene	Ave	2.031	2.274		28.0	25.0	12.0	20.0
tert-Butylbenzene	Ave	0.4421	0.5039		28.5	25.0	14.0	20.0
1,2,4-Trimethylbenzene	Ave	2.317	2.560		27.6	25.0	10.5	20.0
sec-Butylbenzene	Ave	2.789	3.220		28.9	25.0	15.5	20.0
1,3-Dichlorobenzene	Ave	1.277	1.280	0.6000	25.1	25.0	0.3	20.0
4-Isopropyltoluene	Ave	2.498	2.677		26.8	25.0	7.2	20.0
1,4-Dichlorobenzene	Ave	1.272	1.303	0.5000	25.6	25.0	2.4	20.0
n-Butylbenzene	Ave	2.133	2.526		29.6	25.0	18.4	20.0
1,2-Dichlorobenzene	Ave	1.264	1.286	0.4000	25.4	25.0	1.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Lab Sample ID: CCVIS 480-704702/4 Calibration Date: 03/22/2024 11:10

Instrument ID: HP5973N Calib Start Date: 03/12/2024 15:37

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 03/12/2024 18:15

Lab File ID: N5762.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1908	0.2190	0.0500	28.7	25.0	14.8	50.0
1,2,4-Trichlorobenzene	Ave	0.8456	0.8786	0.2000	26.0	25.0	3.9	20.0
Hexachlorobutadiene	Lin1		0.3941		23.3	25.0	-6.7	20.0
Naphthalene	Ave	2.811	3.032		27.0	25.0	7.8	20.0
1,2,3-Trichlorobenzene	Ave	0.8360	0.8777		26.2	25.0	5.0	20.0
Dibromofluoromethane (Surr)	Ave	1.653	1.185		17.9	25.0	-28.3*	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	2.078	1.647		19.8	25.0	-20.7*	20.0
Toluene-d8 (Surr)	Ave	1.314	1.295		24.6	25.0	-1.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4361	0.3861		22.1	25.0	-11.5	20.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5762.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Mar-2024 11:10:30 ALS Bottle#: 5 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0116891-004
Operator ID: CC Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Mar-2024 11:49:00 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1655

First Level Reviewer: TJ9E Date: 22-Mar-2024 11:49:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.046	5.046	0.000	97	249853	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.009	8.009	0.000	92	777451	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.443	10.443	0.000	95	426367	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.481	4.481	0.000	92	296161	25.0	17.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.773	4.773	0.000	73	411515	25.0	19.8	
$ 6 Toluene-d8 (Surr)	98	6.543	6.543	0.000	96	1006452	25.0	24.6	
$ 7 4-Bromofluorobenzene (Surr)	174	9.268	9.268	0.000	84	300187	25.0	22.1	
11 Dichlorodifluoromethane	85	1.141	1.141	0.000	98	302689	25.0	22.0	
13 Chloromethane	50	1.287	1.287	0.000	99	506944	25.0	20.8	
14 Vinyl chloride	62	1.372	1.372	0.000	98	322306	25.0	23.5	
144 Butadiene	54	1.384	1.384	0.000	99	520543	25.0	21.1	
15 Bromomethane	94	1.640	1.640	0.000	93	174143	25.0	19.2	
16 Chloroethane	64	1.707	1.707	0.000	95	212812	25.0	21.6	
17 Dichlorofluoromethane	67	1.901	1.901	0.000	96	530569	25.0	20.1	
18 Trichlorofluoromethane	101	1.913	1.913	0.000	60	398943	25.0	23.5	
19 Ethyl ether	59	2.163	2.163	0.000	93	361284	25.0	21.7	
20 Acrolein	56	2.321	2.321	0.000	76	88369	125.0	103.0	
22 1,1-Dichloroethene	96	2.364	2.364	0.000	92	245531	25.0	21.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.364	2.364	0.000	63	255023	25.0	21.3	
23 Acetone	43	2.473	2.473	0.000	96	1101348	125.0	104.6	
24 Iodomethane	142	2.510	2.510	0.000	99	425312	25.0	20.7	
25 Carbon disulfide	76	2.540	2.540	0.000	98	878244	25.0	23.9	
27 3-Chloro-1-propene	41	2.710	2.710	0.000	87	847258	25.0	23.4	
28 Methyl acetate	43	2.759	2.759	0.000	100	1186135	50.0	43.8	
30 Methylene Chloride	84	2.850	2.850	0.000	90	319056	25.0	21.3	
31 2-Methyl-2-propanol	59	3.021	3.021	0.000	98	626456	250.0	209.8	
32 Methyl tert-butyl ether	73	3.057	3.057	0.000	95	1034802	25.0	22.0	
33 trans-1,2-Dichloroethene	96	3.069	3.069	0.000	91	296122	25.0	22.3	
34 Acrylonitrile	53	3.124	3.124	0.000	97	2766354	250.0	220.6	
35 Hexane	57	3.264	3.264	0.000	97	587633	25.0	25.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.471	3.471	0.000	97	630104	25.0	22.5	
39 Vinyl acetate	43	3.532	3.532	0.000	96	2177013	50.0	52.9	
42 2,2-Dichloropropane	77	3.976	3.976	0.000	84	313173	25.0	20.9	
43 cis-1,2-Dichloroethene	96	4.018	4.018	0.000	85	334145	25.0	22.9	
44 2-Butanone (MEK)	43	4.049	4.049	0.000	96	1757628	125.0	122.2	
47 Chlorobromomethane	128	4.243	4.243	0.000	84	152227	25.0	19.3	
49 Tetrahydrofuran	42	4.262	4.262	0.000	93	498611	50.0	46.5	
50 Chloroform	83	4.329	4.329	0.000	97	536007	25.0	21.6	
51 1,1,1-Trichloroethane	97	4.426	4.426	0.000	95	437849	25.0	24.1	
52 Cyclohexane	56	4.432	4.432	0.000	97	740434	25.0	24.6	
53 Carbon tetrachloride	117	4.566	4.566	0.000	94	374081	25.0	25.2	
54 1,1-Dichloropropene	75	4.578	4.578	0.000	85	392224	25.0	25.4	
55 Benzene	78	4.779	4.779	0.000	94	1128882	25.0	24.3	
56 Isobutyl alcohol	43	4.821	4.821	0.000	94	926560	625.0	650.0	
57 1,2-Dichloroethane	62	4.846	4.846	0.000	94	501082	25.0	23.4	
59 n-Heptane	43	4.967	4.967	0.000	96	738663	25.0	29.0	
60 Trichloroethene	95	5.381	5.381	0.000	95	281220	25.0	24.5	
62 Methylcyclohexane	83	5.497	5.497	0.000	95	536588	25.0	25.8	
63 1,2-Dichloropropane	63	5.618	5.618	0.000	86	305508	25.0	25.4	
64 Dibromomethane	93	5.752	5.752	0.000	91	188773	25.0	25.9	
66 1,4-Dioxane	88	5.764	5.764	0.000	58	71876	500.0	794.7	
67 Dichlorobromomethane	83	5.910	5.910	0.000	96	371672	25.0	25.9	
69 2-Chloroethyl vinyl ether	63	6.196	6.196	0.000	84	182938	25.0	24.9	
71 cis-1,3-Dichloropropene	75	6.324	6.324	0.000	85	395035	25.0	26.8	
72 4-Methyl-2-pentanone (MIBK)	58	6.476	6.476	0.000	97	1101375	125.0	137.6	
73 Toluene	92	6.604	6.604	0.000	97	624667	25.0	28.4	
75 trans-1,3-Dichloropropene	75	6.890	6.890	0.000	93	329010	25.0	30.3	
77 Ethyl methacrylate	69	6.944	6.944	0.000	89	347240	25.0	28.8	
78 1,1,2-Trichloroethane	83	7.078	7.078	0.000	94	194422	25.0	28.5	
79 Tetrachloroethene	166	7.133	7.133	0.000	95	248632	25.0	26.3	
80 1,3-Dichloropropane	76	7.236	7.236	0.000	91	386058	25.0	28.8	
82 2-Hexanone	43	7.309	7.309	0.000	97	2223396	125.0	130.3	
83 Chlorodibromomethane	129	7.468	7.468	0.000	91	235098	25.0	27.3	
84 Ethylene Dibromide	107	7.565	7.565	0.000	99	225313	25.0	24.7	
85 Chlorobenzene	112	8.040	8.040	0.000	90	647938	25.0	24.7	
88 Ethylbenzene	91	8.137	8.137	0.000	99	1210706	25.0	27.4	
89 1,1,1,2-Tetrachloroethane	131	8.143	8.143	0.000	91	247251	25.0	24.7	
90 m-Xylene & p-Xylene	106	8.259	8.259	0.000	97	446343	25.0	26.5	
91 o-Xylene	106	8.684	8.684	0.000	99	469376	25.0	25.8	
92 Styrene	104	8.715	8.715	0.000	93	704318	25.0	26.0	
93 Bromoform	173	8.958	8.958	0.000	94	166915	25.0	26.3	
95 Isopropylbenzene	105	9.068	9.068	0.000	97	1258716	25.0	28.7	
97 Bromobenzene	156	9.414	9.414	0.000	95	268115	25.0	25.7	
98 1,1,2,2-Tetrachloroethane	83	9.493	9.493	0.000	94	381286	25.0	27.8	
100 N-Propylbenzene	91	9.512	9.512	0.000	99	1464255	25.0	28.8	
99 1,2,3-Trichloropropane	110	9.518	9.518	0.000	89	117880	25.0	24.7	
101 trans-1,4-Dichloro-2-butene	53	9.542	9.542	0.000	85	161418	25.0	27.8	
102 2-Chlorotoluene	126	9.615	9.615	0.000	94	265947	25.0	25.3	
104 1,3,5-Trimethylbenzene	105	9.700	9.700	0.000	95	1051143	25.0	27.3	
105 4-Chlorotoluene	91	9.731	9.731	0.000	99	969502	25.0	28.0	
106 tert-Butylbenzene	134	10.023	10.023	0.000	96	214830	25.0	28.5	
108 1,2,4-Trimethylbenzene	105	10.084	10.084	0.000	99	1091389	25.0	27.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.242	10.242	0.000	95	1373056	25.0	28.9	
110 1,3-Dichlorobenzene	146	10.370	10.370	0.000	97	545763	25.0	25.1	
111 4-Isopropyltoluene	119	10.388	10.388	0.000	98	1141431	25.0	26.8	
113 1,4-Dichlorobenzene	146	10.467	10.467	0.000	93	555508	25.0	25.6	
115 n-Butylbenzene	91	10.783	10.783	0.000	98	1076818	25.0	29.6	
116 1,2-Dichlorobenzene	146	10.820	10.820	0.000	96	548095	25.0	25.4	
117 1,2-Dibromo-3-Chloropropane	75	11.562	11.562	0.000	75	93385	25.0	28.7	
119 1,2,4-Trichlorobenzene	180	12.243	12.243	0.000	94	374625	25.0	26.0	
120 Hexachlorobutadiene	225	12.359	12.359	0.000	95	168036	25.0	23.3	
121 Naphthalene	128	12.456	12.456	0.000	98	1292587	25.0	27.0	
122 1,2,3-Trichlorobenzene	180	12.657	12.657	0.000	94	374241	25.0	26.2	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00250	Amount Added: 12.50	Units: uL	
GAS CORP mix_00613	Amount Added: 12.50	Units: uL	
N 8260 IS_00265	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00467	Amount Added: 1.00	Units: uL	Run Reagent

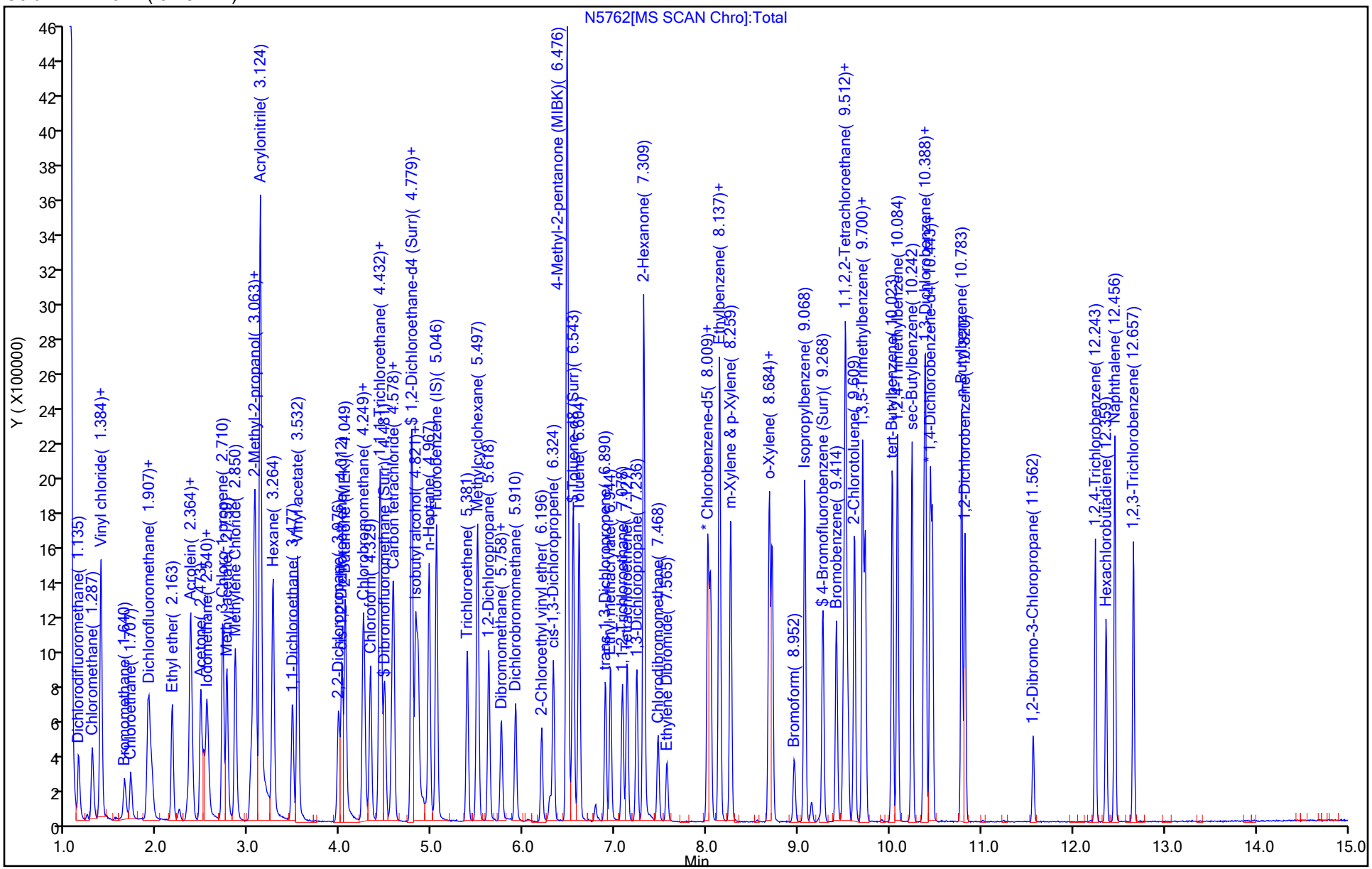
Report Date: 22-Mar-2024 11:49:01 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5762.d

Injection Date:	22-Mar-2024 11:10:30	Instrument ID:	HP5973N	Operator ID:	CC
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Lab Sample ID: ICV 480-704994/28 Calibration Date: 03/26/2024 06:18

Instrument ID: HP5973S Calib Start Date: 03/25/2024 22:13

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 03/26/2024 00:54

Lab File ID: S6743.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	1.432	1.448	0.1000	25.3	25.0	1.1	50.0
Chloromethane	Ave	1.531	1.560	0.1000	25.5	25.0	1.8	30.0
Vinyl chloride	Ave	1.358	1.414	0.1000	26.0	25.0	4.1	30.0
Butadiene	Ave	1.594	1.594		25.0	25.0	0.0	30.0
Bromomethane	Ave	0.7137	0.7607	0.1000	26.6	25.0	6.6	50.0
Chloroethane	Ave	0.7771	0.7779	0.1000	25.0	25.0	0.1	50.0
Dichlorofluoromethane	Ave	2.048	2.129		26.0	25.0	4.0	30.0
Trichlorofluoromethane	Ave	1.859	1.930	0.1000	26.0	25.0	3.8	30.0
Ethyl ether	Ave	1.109	1.073		24.2	25.0	-3.2	30.0
Acrolein	Ave	0.0442	0.0472		134	125	7.0	50.0
1,1-Dichloroethene	Ave	0.8261	0.8060	0.1000	24.4	25.0	-2.4	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.9719	0.9241	0.1000	23.8	25.0	-4.9	30.0
Acetone	Ave	0.5773	0.5364	0.1000	116	125	-7.1	50.0
Iodomethane	Ave	1.514	1.478		24.4	25.0	-2.4	30.0
Carbon disulfide	Ave	2.615	2.727	0.1000	26.1	25.0	4.3	30.0
Allyl chloride	Ave	2.002	2.018		25.2	25.0	0.8	30.0
Methyl acetate	Ave	1.417	1.328	0.1000	46.9	50.0	-6.3	50.0
Methylene Chloride	Lin1		1.178	0.1000	26.1	25.0	4.6	30.0
2-Methyl-2-propanol	Ave	0.1813	0.1899		262	250	4.7	50.0
Methyl tert-butyl ether	Ave	4.285	4.177	0.1000	24.4	25.0	-2.5	30.0
trans-1,2-Dichloroethene	Ave	1.189	1.184	0.1000	24.9	25.0	-0.4	30.0
Acrylonitrile	Ave	0.7367	0.7391		251	250	0.3	30.0
Hexane	Ave	2.083	1.906		22.9	25.0	-8.5	30.0
1,1-Dichloroethane	Ave	2.333	2.295	0.2000	24.6	25.0	-1.6	30.0
Vinyl acetate	Ave	2.864	3.041		53.1	50.0	6.2	30.0
2,2-Dichloropropane	Ave	1.204	1.099		22.8	25.0	-8.8	30.0
cis-1,2-Dichloroethene	Ave	1.265	1.280	0.1000	25.3	25.0	1.2	30.0
2-Butanone (MEK)	Ave	0.9646	0.9459	0.1000	123	125	-1.9	30.0
Chlorobromomethane	Ave	0.6326	0.6299		24.9	25.0	-0.4	30.0
Tetrahydrofuran	Ave	0.6393	0.6289		49.2	50.0	-1.6	30.0
Chloroform	Ave	2.269	2.175	0.2000	24.0	25.0	-4.2	30.0
1,1,1-Trichloroethane	Ave	1.845	1.826	0.1000	24.7	25.0	-1.1	30.0
Cyclohexane	Ave	2.501	2.501	0.1000	25.0	25.0	-0.0	30.0
Carbon tetrachloride	Ave	1.508	1.560	0.1000	25.9	25.0	3.4	30.0
1,1-Dichloropropene	Ave	1.808	1.790		24.8	25.0	-1.0	30.0
Benzene	Ave	5.241	5.102	0.5000	24.3	25.0	-2.7	30.0
Isobutyl alcohol	Ave	0.0773	0.0805		651	625	4.1	50.0
1,2-Dichloroethane	Ave	2.069	2.021	0.1000	24.4	25.0	-2.3	30.0
n-Heptane	Ave	2.299	2.100		22.8	25.0	-8.7	30.0
Trichloroethene	Ave	1.244	1.245	0.2000	25.0	25.0	0.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Lab Sample ID: ICV 480-704994/28 Calibration Date: 03/26/2024 06:18

Instrument ID: HP5973S Calib Start Date: 03/25/2024 22:13

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 03/26/2024 00:54

Lab File ID: S6743.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
Methylcyclohexane	Ave	2.310	2.252	0.1000	24.4	25.0	-2.5	30.0
1,2-Dichloropropane	Ave	1.318	1.260	0.1000	23.9	25.0	-4.4	30.0
Dibromomethane	Ave	0.7889	0.7706	0.1000	24.4	25.0	-2.3	30.0
1,4-Dioxane	Ave	0.0085	0.0068		401	500	-19.9	50.0
Bromodichloromethane	Ave	1.555	1.549	0.2000	24.9	25.0	-0.4	30.0
2-Chloroethyl vinyl ether	Ave	0.8458	0.8789		26.0	25.0	3.9	30.0
cis-1,3-Dichloropropene	Ave	1.906	1.982	0.2000	26.0	25.0	4.0	30.0
4-Methyl-2-pentanone (MIBK)	Ave	1.013	0.996	0.1000	123	125	-1.7	30.0
Toluene	Ave	1.590	1.592	0.4000	25.0	25.0	0.1	30.0
trans-1,3-Dichloropropene	Ave	0.8807	0.9243	0.1000	26.2	25.0	5.0	30.0
Ethyl methacrylate	Ave	0.8335	0.8956		26.9	25.0	7.5	30.0
1,1,2-Trichloroethane	Ave	0.4846	0.4708	0.1000	24.3	25.0	-2.9	30.0
Tetrachloroethene	Ave	0.7351	0.7207	0.2000	24.5	25.0	-2.0	30.0
1,3-Dichloropropane	Ave	1.032	1.038		25.1	25.0	0.6	30.0
2-Hexanone	Ave	0.6985	0.7129	0.1000	128	125	2.1	30.0
Dibromochloromethane	Ave	0.5199	0.5641	0.1000	27.1	25.0	8.5	30.0
1,2-Dibromoethane	Ave	0.5728	0.5866		25.6	25.0	2.4	30.0
Chlorobenzene	Ave	1.734	1.742	0.5000	25.1	25.0	0.5	30.0
Ethylbenzene	Ave	3.026	3.020	0.1000	24.9	25.0	-0.2	30.0
1,1,1,2-Tetrachloroethane	Ave	0.5559	0.5835		26.2	25.0	5.0	30.0
m,p-Xylene	Ave	1.161	1.181	0.1000	25.4	25.0	1.7	30.0
o-Xylene	Ave	1.191	1.169	0.3000	24.5	25.0	-1.9	30.0
Styrene	Ave	1.883	1.896	0.3000	25.2	25.0	0.7	30.0
Bromoform	Ave	0.3632	0.3818	0.1000	26.3	25.0	5.1	50.0
Isopropylbenzene	Ave	2.989	3.121	0.1000	26.1	25.0	4.4	30.0
Bromobenzene	Ave	0.7751	0.7540		24.3	25.0	-2.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8088	0.8053	0.3000	24.9	25.0	-0.4	30.0
N-Propylbenzene	Ave	3.569	3.575		25.0	25.0	0.2	30.0
1,2,3-Trichloropropane	Ave	0.2681	0.2675		24.9	25.0	-0.2	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2571	0.2452		23.8	25.0	-4.6	50.0
2-Chlorotoluene	Ave	0.7053	0.6887		24.4	25.0	-2.4	30.0
1,3,5-Trimethylbenzene	Ave	2.647	2.722		25.7	25.0	2.8	30.0
4-Chlorotoluene	Ave	0.7175	0.7288		25.4	25.0	1.6	30.0
tert-Butylbenzene	Ave	0.5623	0.5905		26.3	25.0	5.0	30.0
1,2,4-Trimethylbenzene	Ave	2.658	2.767		26.0	25.0	4.1	30.0
sec-Butylbenzene	Ave	3.366	3.460		25.7	25.0	2.8	30.0
1,3-Dichlorobenzene	Ave	1.458	1.463	0.6000	25.1	25.0	0.3	30.0
4-Isopropyltoluene	Ave	2.868	2.971		25.9	25.0	3.6	30.0
1,4-Dichlorobenzene	Ave	1.503	1.502	0.5000	25.0	25.0	-0.0	30.0
n-Butylbenzene	Ave	2.558	2.597		25.4	25.0	1.5	30.0
1,2-Dichlorobenzene	Ave	1.443	1.430	0.4000	24.8	25.0	-1.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Lab Sample ID: ICV 480-704994/28 Calibration Date: 03/26/2024 06:18

Instrument ID: HP5973S Calib Start Date: 03/25/2024 22:13

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 03/26/2024 00:54

Lab File ID: S6743.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1580	0.1734	0.0500	27.4	25.0	9.8	50.0
1,2,4-Trichlorobenzene	Ave	1.090	1.132	0.2000	26.0	25.0	3.9	30.0
Hexachlorobutadiene	Ave	0.5306	0.5526		26.0	25.0	4.2	30.0
Naphthalene	Ave	2.788	2.979		26.7	25.0	6.9	30.0
1,2,3-Trichlorobenzene	Ave	1.052	1.102		26.2	25.0	4.8	30.0
Dibromofluoromethane (Surr)	Ave	1.143	1.149		25.1	25.0	0.5	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8543	0.8127		23.8	25.0	-4.9	30.0
Toluene-d8 (Surr)	Ave	2.295	2.271		24.7	25.0	-1.0	30.0
4-Bromofluorobenzene (Surr)	Ave	0.7854	0.7877		25.1	25.0	0.3	30.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6743.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 26-Mar-2024 06:18:30 ALS Bottle#: 23 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 480-0116934-028
Operator ID: cdc Instrument ID: HP5973S
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Mar-2024 10:48:21 Calib Date: 26-Mar-2024 05:09:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6740.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: QR3Z Date: 26-Mar-2024 10:30:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.752	4.752	0.000	98	227661	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.702	7.702	0.000	86	447758	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.148	10.148	0.000	69	450458	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.192	4.192	0.000	58	261591	25.0	25.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.484	4.484	0.000	53	185023	25.0	23.8	
$ 5 Toluene-d8 (Surr)	98	6.242	6.242	0.000	65	1016944	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr)	174	8.955	8.955	0.000	90	352692	25.0	25.1	
10 Dichlorodifluoromethane	85	0.992	0.998	-0.006	87	329575	25.0	25.3	
12 Chloromethane	50	1.138	1.138	0.000	81	355045	25.0	25.5	
13 Vinyl chloride	62	1.211	1.211	0.000	63	321809	25.0	26.0	
151 Butadiene	54	1.217	1.223	-0.006	94	362867	25.0	25.0	
14 Bromomethane	94	1.460	1.461	0.000	91	173175	25.0	26.6	
15 Chloroethane	64	1.503	1.503	0.000	94	177105	25.0	25.0	
16 Dichlorofluoromethane	67	1.692	1.698	-0.006	82	484710	25.0	26.0	
17 Trichlorofluoromethane	101	1.704	1.704	0.000	62	439430	25.0	26.0	
18 Ethyl ether	59	1.905	1.905	0.000	94	244360	25.0	24.2	
20 Acrolein	56	2.069	2.069	0.000	86	53778	125.0	133.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.105	2.111	-0.006	64	210378	25.0	23.8	
22 1,1-Dichloroethene	96	2.099	2.111	-0.012	85	183492	25.0	24.4	
23 Acetone	43	2.209	2.209	0.000	98	610554	125.0	116.1	
25 Iodomethane	142	2.257	2.270	-0.013	99	336389	25.0	24.4	
26 Carbon disulfide	76	2.288	2.288	0.000	87	620856	25.0	26.1	
28 3-Chloro-1-propene	41	2.440	2.440	0.000	88	459307	25.0	25.2	
27 Methyl acetate	43	2.489	2.489	0.000	99	604698	50.0	46.9	
30 Methylene Chloride	84	2.580	2.580	0.000	94	268135	25.0	26.1	
31 2-Methyl-2-propanol	59	2.756	2.756	0.000	83	432228	250.0	261.8	
32 Methyl tert-butyl ether	73	2.774	2.781	-0.007	93	950909	25.0	24.4	
34 trans-1,2-Dichloroethene	96	2.793	2.787	0.006	87	269617	25.0	24.9	
33 Acrylonitrile	53	2.847	2.848	-0.001	99	1682738	250.0	250.8	
35 Hexane	57	2.975	2.975	0.000	94	433863	25.0	22.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.188	3.188	0.000	97	522533	25.0	24.6	
37 Vinyl acetate	43	3.255	3.255	0.000	97	1384781	50.0	53.1	
44 2,2-Dichloropropane	77	3.687	3.687	0.000	90	250101	25.0	22.8	
45 cis-1,2-Dichloroethene	96	3.730	3.724	0.006	81	291473	25.0	25.3	
43 2-Butanone (MEK)	43	3.772	3.772	0.000	98	1076778	125.0	122.6	
48 Chlorobromomethane	128	3.955	3.955	0.000	97	143406	25.0	24.9	
49 Tetrahydrofuran	42	3.967	3.967	0.000	91	286333	50.0	49.2	
50 Chloroform	83	4.040	4.040	0.000	81	495096	25.0	24.0	
52 Cyclohexane	56	4.131	4.131	0.000	93	569280	25.0	25.0	
51 1,1,1-Trichloroethane	97	4.131	4.131	0.000	81	415631	25.0	24.7	
55 Carbon tetrachloride	117	4.265	4.265	0.000	90	355170	25.0	25.9	
54 1,1-Dichloropropene	75	4.283	4.283	0.000	91	407531	25.0	24.8	
57 Benzene	78	4.478	4.484	-0.006	97	1161449	25.0	24.3	
53 Isobutyl alcohol	43	4.545	4.545	0.000	62	458041	625.0	650.9	
58 1,2-Dichloroethane	62	4.557	4.557	0.000	75	460159	25.0	24.4	
59 n-Heptane	43	4.673	4.673	0.000	93	478028	25.0	22.8	
62 Trichloroethene	95	5.086	5.086	0.000	91	283344	25.0	25.0	
64 Methylcyclohexane	83	5.190	5.196	-0.006	96	512718	25.0	24.4	
65 1,2-Dichloropropane	63	5.323	5.324	-0.001	89	286868	25.0	23.9	
67 Dibromomethane	93	5.457	5.457	0.000	86	175431	25.0	24.4	
66 1,4-Dioxane	88	5.470	5.470	0.000	57	60630	500.0	400.6	
68 Dichlorobromomethane	83	5.616	5.616	0.000	92	352588	25.0	24.9	
69 2-Chloroethyl vinyl ether	63	5.914	5.914	0.000	91	200102	25.0	26.0	
72 cis-1,3-Dichloropropene	75	6.029	6.029	0.000	87	451135	25.0	26.0	
73 4-Methyl-2-pentanone (MIBK)	43	6.187	6.187	0.000	99	2229110	125.0	122.8	
74 Toluene	92	6.303	6.303	0.000	92	712933	25.0	25.0	
77 trans-1,3-Dichloropropene	75	6.601	6.601	0.000	94	413867	25.0	26.2	
75 Ethyl methacrylate	69	6.662	6.662	0.000	74	401004	25.0	26.9	
79 1,1,2-Trichloroethane	83	6.784	6.784	0.000	88	210783	25.0	24.3	
81 Tetrachloroethene	166	6.826	6.826	0.000	84	322686	25.0	24.5	
82 1,3-Dichloropropane	76	6.936	6.936	0.000	95	464585	25.0	25.1	
80 2-Hexanone	43	7.021	7.021	0.000	98	1596016	125.0	127.6	
83 Chlorodibromomethane	129	7.167	7.167	0.000	90	252590	25.0	27.1	
84 Ethylene Dibromide	107	7.258	7.258	0.000	97	262653	25.0	25.6	
87 Chlorobenzene	112	7.733	7.733	0.000	93	780026	25.0	25.1	
88 Ethylbenzene	91	7.830	7.830	0.000	99	1352165	25.0	24.9	
89 1,1,1,2-Tetrachloroethane	131	7.836	7.836	0.000	45	261271	25.0	26.2	
90 m-Xylene & p-Xylene	106	7.952	7.952	0.000	99	528588	25.0	25.4	
91 o-Xylene	106	8.371	8.371	0.000	98	523437	25.0	24.5	
92 Styrene	104	8.408	8.408	0.000	89	848778	25.0	25.2	
95 Bromoform	173	8.645	8.645	0.000	96	170970	25.0	26.3	
94 Isopropylbenzene	105	8.761	8.761	0.000	96	1405921	25.0	26.1	
101 Bromobenzene	156	9.095	9.095	0.000	95	339651	25.0	24.3	
97 1,1,2,2-Tetrachloroethane	83	9.187	9.193	-0.006	76	362765	25.0	24.9	
99 N-Propylbenzene	91	9.199	9.199	0.000	98	1610486	25.0	25.0	
100 1,2,3-Trichloropropane	110	9.211	9.211	0.000	56	120510	25.0	24.9	
98 trans-1,4-Dichloro-2-butene	53	9.241	9.235	0.006	1	110456	25.0	23.8	
103 2-Chlorotoluene	126	9.302	9.296	0.006	94	310210	25.0	24.4	
102 1,3,5-Trimethylbenzene	105	9.399	9.400	-0.001	92	1226271	25.0	25.7	
105 4-Chlorotoluene	126	9.424	9.424	0.000	98	328309	25.0	25.4	
106 tert-Butylbenzene	134	9.728	9.728	0.000	91	265980	25.0	26.3	
107 1,2,4-Trimethylbenzene	105	9.789	9.789	0.000	77	1246565	25.0	26.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.953	9.953	0.000	94	1558416	25.0	25.7	
111 1,3-Dichlorobenzene	146	10.081	10.081	0.000	98	658919	25.0	25.1	
110 4-Isopropyltoluene	119	10.105	10.105	0.000	96	1338293	25.0	25.9	
113 1,4-Dichlorobenzene	146	10.172	10.172	0.000	93	676509	25.0	25.0	
115 n-Butylbenzene	91	10.501	10.507	-0.006	95	1170058	25.0	25.4	
116 1,2-Dichlorobenzene	146	10.531	10.531	0.000	95	643956	25.0	24.8	
117 1,2-Dibromo-3-Chloropropane	75	11.291	11.292	-0.001	81	78099	25.0	27.4	
119 1,2,4-Trichlorobenzene	180	11.967	11.967	0.000	92	510000	25.0	26.0	
120 Hexachlorobutadiene	225	12.088	12.089	0.000	93	248941	25.0	26.0	
121 Naphthalene	128	12.180	12.180	0.000	97	1342034	25.0	26.7	
122 1,2,3-Trichlorobenzene	180	12.380	12.387	-0.007	94	496452	25.0	26.2	

QC Flag Legend

Processing Flags

Reagents:

SS 8260 CORP_00113	Amount Added: 12.50	Units: uL	
SS GAS CORP_00574	Amount Added: 12.50	Units: uL	
S_8260_IS_00383	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00475	Amount Added: 1.00	Units: uL	Run Reagent

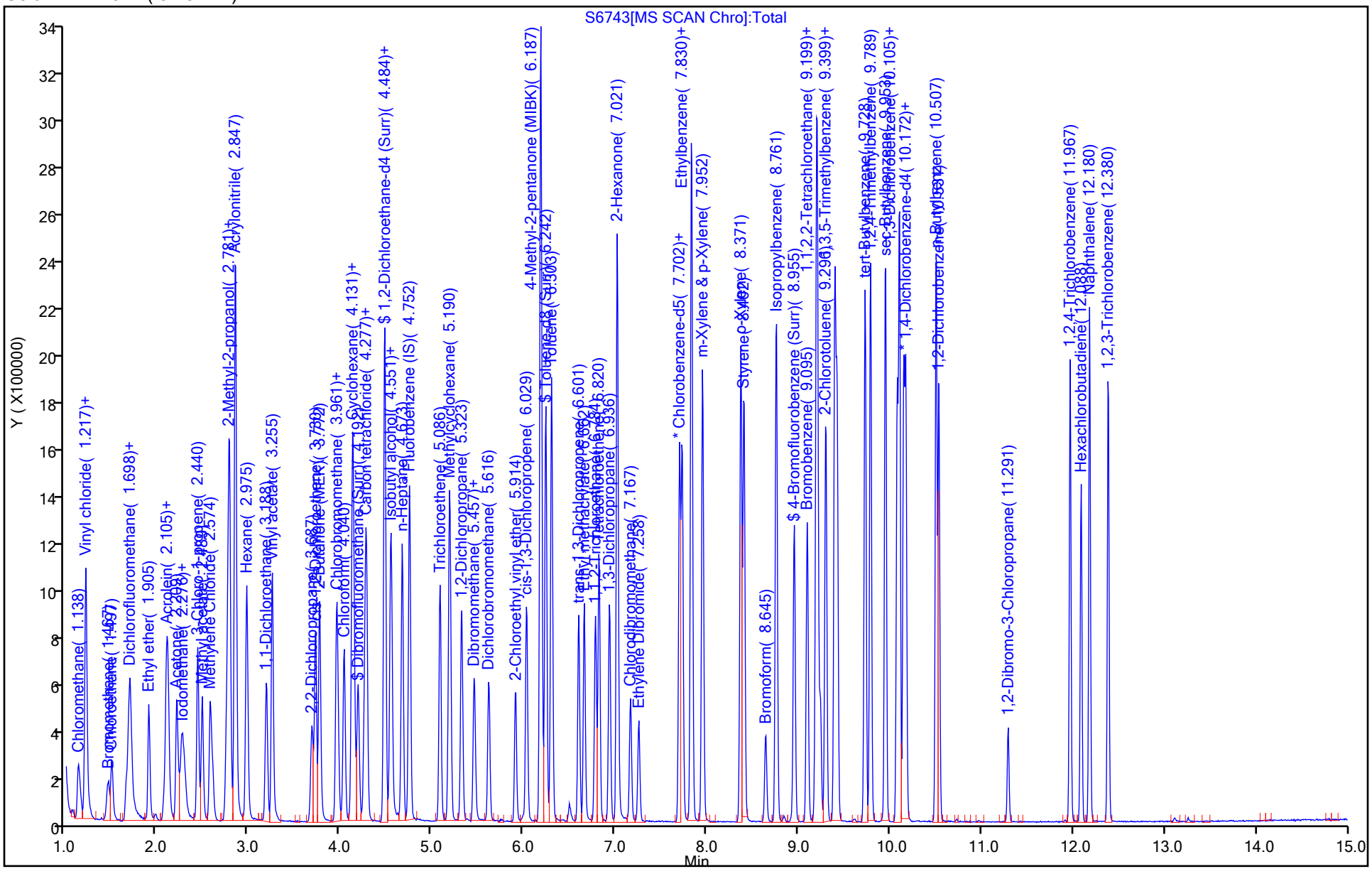
Report Date: 26-Mar-2024 11:03:40 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6743.d

Injection Date:	26-Mar-2024 06:18:30	Instrument ID:	HP5973S	Operator ID:	cdc
Lims ID:	ICV			Worklist Smp#:	28
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Lab Sample ID: CCVIS 480-705062/4 | Calibration Date: 03/26/2024 13:07

Instrument ID: HP5973S | Calib Start Date: 03/25/2024 22:13

GC Column: ZB-624 (20) ID: 0.18(mm) | Calib End Date: 03/26/2024 00:54

Lab File ID: S6749.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	1.432	1.306	0.1000	22.8	25.0	-8.8	50.0
Chloromethane	Ave	1.531	1.557	0.1000	25.4	25.0	1.7	20.0
Vinyl chloride	Ave	1.358	1.383	0.1000	25.5	25.0	1.8	20.0
Butadiene	Ave	1.594	1.520		23.8	25.0	-4.6	20.0
Bromomethane	Ave	0.7137	0.7241	0.1000	25.4	25.0	1.5	50.0
Chloroethane	Ave	0.7771	0.7701	0.1000	24.8	25.0	-0.9	50.0
Dichlorofluoromethane	Ave	2.048	2.102		25.7	25.0	2.6	20.0
Trichlorofluoromethane	Ave	1.859	1.835	0.1000	24.7	25.0	-1.3	20.0
Ethyl ether	Ave	1.109	1.100		24.8	25.0	-0.9	20.0
Acrolein	Ave	0.0442	0.0475		134	125	7.5	50.0
1,1-Dichloroethene	Ave	0.8261	0.8213	0.1000	24.9	25.0	-0.6	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.9719	0.9284	0.1000	23.9	25.0	-4.5	20.0
Acetone	Ave	0.5773	0.5210	0.1000	113	125	-9.8	50.0
Iodomethane	Ave	1.514	1.467		24.2	25.0	-3.1	20.0
Carbon disulfide	Ave	2.615	2.784	0.1000	26.6	25.0	6.5	20.0
Allyl chloride	Ave	2.002	2.069		25.8	25.0	3.4	20.0
Methyl acetate	Ave	1.417	1.309	0.1000	46.2	50.0	-7.6	50.0
Methylene Chloride	Lin1		1.213	0.1000	26.9	25.0	7.8	20.0
2-Methyl-2-propanol	Ave	0.1813	0.1860		256	250	2.6	50.0
Methyl tert-butyl ether	Ave	4.285	4.193	0.1000	24.5	25.0	-2.1	20.0
trans-1,2-Dichloroethene	Ave	1.189	1.157	0.1000	24.3	25.0	-2.7	20.0
Acrylonitrile	Ave	0.7367	0.7357		250	250	-0.1	20.0
Hexane	Ave	2.083	1.994		23.9	25.0	-4.3	20.0
1,1-Dichloroethane	Ave	2.333	2.232	0.2000	23.9	25.0	-4.3	20.0
Vinyl acetate	Ave	2.864	3.101		54.1	50.0	8.3	20.0
2,2-Dichloropropane	Ave	1.204	1.253		26.0	25.0	4.1	20.0
cis-1,2-Dichloroethene	Ave	1.265	1.275	0.1000	25.2	25.0	0.8	20.0
2-Butanone (MEK)	Ave	0.9646	0.9159	0.1000	119	125	-5.1	20.0
Chlorobromomethane	Ave	0.6326	0.6485		25.6	25.0	2.5	20.0
Tetrahydrofuran	Ave	0.6393	0.6124		47.9	50.0	-4.2	20.0
Chloroform	Ave	2.269	2.202	0.2000	24.3	25.0	-3.0	20.0
1,1,1-Trichloroethane	Ave	1.845	1.812	0.1000	24.6	25.0	-1.8	20.0
Cyclohexane	Ave	2.501	2.431	0.1000	24.3	25.0	-2.8	20.0
Carbon tetrachloride	Ave	1.508	1.558	0.1000	25.8	25.0	3.3	20.0
1,1-Dichloropropene	Ave	1.808	1.786		24.7	25.0	-1.2	20.0
Benzene	Ave	5.241	5.087	0.5000	24.3	25.0	-2.9	20.0
Isobutyl alcohol	Ave	0.0773	0.0781		632	625	1.1	50.0
1,2-Dichloroethane	Ave	2.069	2.000	0.1000	24.2	25.0	-3.3	20.0
n-Heptane	Ave	2.299	2.257		24.5	25.0	-1.8	20.0
Trichloroethene	Ave	1.244	1.233	0.2000	24.8	25.0	-0.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Lab Sample ID: CCVIS 480-705062/4 Calibration Date: 03/26/2024 13:07

Instrument ID: HP5973S Calib Start Date: 03/25/2024 22:13

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 03/26/2024 00:54

Lab File ID: S6749.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
Methylcyclohexane	Ave	2.310	2.223	0.1000	24.1	25.0	-3.8	20.0
1,2-Dichloropropane	Ave	1.318	1.271	0.1000	24.1	25.0	-3.6	20.0
Dibromomethane	Ave	0.7889	0.7665	0.1000	24.3	25.0	-2.8	20.0
1,4-Dioxane	Ave	0.0085	0.0088		520	500	4.1	50.0
Bromodichloromethane	Ave	1.555	1.577	0.2000	25.4	25.0	1.4	20.0
2-Chloroethyl vinyl ether	Ave	0.8458	0.8922		26.4	25.0	5.5	20.0
cis-1,3-Dichloropropene	Ave	1.906	2.040	0.2000	26.8	25.0	7.0	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.013	0.997	0.1000	123	125	-1.6	20.0
Toluene	Ave	1.590	1.605	0.4000	25.2	25.0	0.9	20.0
trans-1,3-Dichloropropene	Ave	0.8807	0.9529	0.1000	27.1	25.0	8.2	20.0
Ethyl methacrylate	Ave	0.8335	0.8908		26.7	25.0	6.9	20.0
1,1,2-Trichloroethane	Ave	0.4846	0.4905	0.1000	25.3	25.0	1.2	20.0
Tetrachloroethene	Ave	0.7351	0.7190	0.2000	24.5	25.0	-2.2	20.0
1,3-Dichloropropane	Ave	1.032	1.045		25.3	25.0	1.3	20.0
2-Hexanone	Ave	0.6985	0.6877	0.1000	123	125	-1.5	20.0
Dibromochloromethane	Ave	0.5199	0.5842	0.1000	28.1	25.0	12.3	20.0
1,2-Dibromoethane	Ave	0.5728	0.5751		25.1	25.0	0.4	20.0
Chlorobenzene	Ave	1.734	1.782	0.5000	25.7	25.0	2.8	20.0
Ethylbenzene	Ave	3.026	3.035	0.1000	25.1	25.0	0.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5559	0.5916		26.6	25.0	6.4	20.0
m,p-Xylene	Ave	1.161	1.233	0.1000	26.5	25.0	6.1	20.0
o-Xylene	Ave	1.191	1.219	0.3000	25.6	25.0	2.3	20.0
Styrene	Ave	1.883	1.943	0.3000	25.8	25.0	3.2	20.0
Bromoform	Ave	0.3632	0.4170	0.1000	28.7	25.0	14.8	50.0
Isopropylbenzene	Ave	2.989	3.095	0.1000	25.9	25.0	3.5	20.0
Bromobenzene	Ave	0.7751	0.7551		24.4	25.0	-2.6	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8088	0.7857	0.3000	24.3	25.0	-2.9	20.0
N-Propylbenzene	Ave	3.569	3.596		25.2	25.0	0.8	20.0
1,2,3-Trichloropropane	Ave	0.2681	0.2627		24.5	25.0	-2.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2571	0.2555		24.8	25.0	-0.6	50.0
2-Chlorotoluene	Ave	0.7053	0.6808		24.1	25.0	-3.5	20.0
1,3,5-Trimethylbenzene	Ave	2.647	2.660		25.1	25.0	0.5	20.0
4-Chlorotoluene	Ave	0.7175	0.7177		25.0	25.0	0.0	20.0
tert-Butylbenzene	Ave	0.5623	0.5751		25.6	25.0	2.3	20.0
1,2,4-Trimethylbenzene	Ave	2.658	2.754		25.9	25.0	3.6	20.0
sec-Butylbenzene	Ave	3.366	3.435		25.5	25.0	2.1	20.0
1,3-Dichlorobenzene	Ave	1.458	1.459	0.6000	25.0	25.0	0.1	20.0
4-Isopropyltoluene	Ave	2.868	2.937		25.6	25.0	2.4	20.0
1,4-Dichlorobenzene	Ave	1.503	1.485	0.5000	24.7	25.0	-1.2	20.0
n-Butylbenzene	Ave	2.558	2.601		25.4	25.0	1.7	20.0
1,2-Dichlorobenzene	Ave	1.443	1.449	0.4000	25.1	25.0	0.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Lab Sample ID: CCVIS 480-705062/4 Calibration Date: 03/26/2024 13:07

Instrument ID: HP5973S Calib Start Date: 03/25/2024 22:13

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 03/26/2024 00:54

Lab File ID: S6749.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1580	0.1693	0.0500	26.8	25.0	7.2	50.0
1,2,4-Trichlorobenzene	Ave	1.090	1.132	0.2000	26.0	25.0	3.9	20.0
Hexachlorobutadiene	Ave	0.5306	0.5456		25.7	25.0	2.8	20.0
Naphthalene	Ave	2.788	2.979		26.7	25.0	6.9	20.0
1,2,3-Trichlorobenzene	Ave	1.052	1.075		25.6	25.0	2.2	20.0
Dibromofluoromethane (Surr)	Ave	1.143	1.201		26.3	25.0	5.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8543	0.8371		24.5	25.0	-2.0	20.0
Toluene-d8 (Surr)	Ave	2.295	2.421		26.4	25.0	5.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7854	0.8044		25.6	25.0	2.4	20.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6749.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 26-Mar-2024 13:07:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0116943-004
Operator ID: ZN/RS Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Mar-2024 14:55:27 Calib Date: 26-Mar-2024 05:09:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6740.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: QR3Z Date: 26-Mar-2024 14:55:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.752	4.752	0.000	98	224072	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.702	7.702	0.000	86	432779	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	65	449237	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.192	4.192	0.000	57	269208	25.0	26.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.484	4.484	0.000	55	187570	25.0	24.5	
$ 5 Toluene-d8 (Surr)	98	6.242	6.242	0.000	65	1047946	25.0	26.4	
$ 6 4-Bromofluorobenzene (Surr)	174	8.955	8.955	0.000	92	348116	25.0	25.6	
10 Dichlorodifluoromethane	85	0.998	0.998	0.000	87	292561	25.0	22.8	
12 Chloromethane	50	1.138	1.138	0.000	81	348906	25.0	25.4	
13 Vinyl chloride	62	1.211	1.211	0.000	67	309992	25.0	25.5	
151 Butadiene	54	1.217	1.217	0.000	93	340610	25.0	23.8	
14 Bromomethane	94	1.460	1.460	0.000	93	162256	25.0	25.4	
15 Chloroethane	64	1.503	1.503	0.000	97	172564	25.0	24.8	
16 Dichlorofluoromethane	67	1.692	1.692	0.000	98	471059	25.0	25.7	
17 Trichlorofluoromethane	101	1.698	1.698	0.000	44	411073	25.0	24.7	
18 Ethyl ether	59	1.905	1.905	0.000	96	246437	25.0	24.8	
20 Acrolein	56	2.069	2.069	0.000	90	53204	125.0	134.4	
22 1,1-Dichloroethene	96	2.099	2.099	0.000	86	184034	25.0	24.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.105	2.105	0.000	71	208022	25.0	23.9	
23 Acetone	43	2.215	2.215	0.000	97	583667	125.0	112.8	
25 Iodomethane	142	2.263	2.263	0.000	93	328808	25.0	24.2	
26 Carbon disulfide	76	2.282	2.282	0.000	97	623770	25.0	26.6	
28 3-Chloro-1-propene	41	2.440	2.440	0.000	87	463691	25.0	25.8	
27 Methyl acetate	43	2.489	2.489	0.000	99	586681	50.0	46.2	
30 Methylene Chloride	84	2.580	2.580	0.000	93	271875	25.0	26.9	
31 2-Methyl-2-propanol	59	2.756	2.756	0.000	82	416840	250.0	256.5	
32 Methyl tert-butyl ether	73	2.781	2.781	0.000	93	939451	25.0	24.5	
34 trans-1,2-Dichloroethene	96	2.787	2.787	0.000	70	259363	25.0	24.3	
33 Acrylonitrile	53	2.854	2.854	0.000	100	1648400	250.0	249.7	
35 Hexane	57	2.975	2.975	0.000	94	446786	25.0	23.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.188	3.188	0.000	98	500107	25.0	23.9	
37 Vinyl acetate	43	3.255	3.255	0.000	97	1389663	50.0	54.1	
44 2,2-Dichloropropane	77	3.687	3.687	0.000	92	280766	25.0	26.0	
45 cis-1,2-Dichloroethene	96	3.724	3.724	0.000	70	285791	25.0	25.2	
43 2-Butanone (MEK)	43	3.772	3.772	0.000	97	1026102	125.0	118.7	
48 Chlorobromomethane	128	3.955	3.955	0.000	93	145300	25.0	25.6	
49 Tetrahydrofuran	42	3.967	3.967	0.000	91	274430	50.0	47.9	
50 Chloroform	83	4.040	4.040	0.000	95	493475	25.0	24.3	
52 Cyclohexane	56	4.131	4.131	0.000	94	544742	25.0	24.3	
51 1,1,1-Trichloroethane	97	4.131	4.131	0.000	77	406105	25.0	24.6	
55 Carbon tetrachloride	117	4.265	4.265	0.000	91	349161	25.0	25.8	
54 1,1-Dichloropropene	75	4.283	4.283	0.000	92	400276	25.0	24.7	
57 Benzene	78	4.478	4.478	0.000	97	1139747	25.0	24.3	
53 Isobutyl alcohol	43	4.545	4.545	0.000	62	437681	625.0	631.9	
58 1,2-Dichloroethane	62	4.557	4.557	0.000	80	448208	25.0	24.2	
59 n-Heptane	43	4.673	4.673	0.000	95	505836	25.0	24.5	
62 Trichloroethene	95	5.086	5.086	0.000	96	276299	25.0	24.8	
64 Methylcyclohexane	83	5.190	5.190	0.000	95	498068	25.0	24.1	
65 1,2-Dichloropropane	63	5.324	5.324	0.000	89	284852	25.0	24.1	
67 Dibromomethane	93	5.457	5.457	0.000	88	171760	25.0	24.3	
66 1,4-Dioxane	88	5.470	5.470	0.000	64	76128	500.0	520.4	
68 Dichlorobromomethane	83	5.622	5.622	0.000	93	353378	25.0	25.4	
69 2-Chloroethyl vinyl ether	63	5.914	5.914	0.000	91	199917	25.0	26.4	
72 cis-1,3-Dichloropropene	75	6.029	6.029	0.000	88	457049	25.0	26.8	
73 4-Methyl-2-pentanone (MIBK)	43	6.187	6.187	0.000	98	2156607	125.0	123.0	
74 Toluene	92	6.303	6.303	0.000	92	694453	25.0	25.2	
77 trans-1,3-Dichloropropene	75	6.601	6.601	0.000	92	412412	25.0	27.1	
75 Ethyl methacrylate	69	6.662	6.662	0.000	74	385520	25.0	26.7	
79 1,1,2-Trichloroethane	83	6.784	6.784	0.000	94	212276	25.0	25.3	
81 Tetrachloroethene	166	6.826	6.826	0.000	90	311163	25.0	24.5	
82 1,3-Dichloropropane	76	6.936	6.936	0.000	95	452208	25.0	25.3	
80 2-Hexanone	43	7.021	7.021	0.000	99	1488122	125.0	123.1	
83 Chlorodibromomethane	129	7.167	7.167	0.000	86	252810	25.0	28.1	
84 Ethylene Dibromide	107	7.252	7.252	0.000	97	248880	25.0	25.1	
87 Chlorobenzene	112	7.733	7.733	0.000	93	771365	25.0	25.7	
88 Ethylbenzene	91	7.830	7.830	0.000	99	1313407	25.0	25.1	
89 1,1,1,2-Tetrachloroethane	131	7.836	7.836	0.000	40	256011	25.0	26.6	
90 m-Xylene & p-Xylene	106	7.952	7.952	0.000	99	533416	25.0	26.5	
91 o-Xylene	106	8.371	8.371	0.000	97	527548	25.0	25.6	
92 Styrene	104	8.408	8.408	0.000	89	841006	25.0	25.8	
95 Bromoform	173	8.645	8.645	0.000	97	180457	25.0	28.7	
94 Isopropylbenzene	105	8.761	8.761	0.000	96	1390463	25.0	25.9	
101 Bromobenzene	156	9.095	9.095	0.000	95	339197	25.0	24.4	
97 1,1,2,2-Tetrachloroethane	83	9.193	9.193	0.000	55	352965	25.0	24.3	
99 N-Propylbenzene	91	9.205	9.205	0.000	98	1615524	25.0	25.2	
100 1,2,3-Trichloropropane	110	9.217	9.217	0.000	67	118027	25.0	24.5	
98 trans-1,4-Dichloro-2-butene	53	9.241	9.241	0.000	65	114768	25.0	24.8	
103 2-Chlorotoluene	126	9.302	9.302	0.000	93	305858	25.0	24.1	
102 1,3,5-Trimethylbenzene	105	9.400	9.400	0.000	92	1195168	25.0	25.1	
105 4-Chlorotoluene	126	9.424	9.424	0.000	98	322433	25.0	25.0	
106 tert-Butylbenzene	134	9.728	9.728	0.000	88	258377	25.0	25.6	
107 1,2,4-Trimethylbenzene	105	9.789	9.789	0.000	55	1237196	25.0	25.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.953	9.953	0.000	94	1543136	25.0	25.5	
111 1,3-Dichlorobenzene	146	10.081	10.081	0.000	97	655552	25.0	25.0	
110 4-Isopropyltoluene	119	10.105	10.105	0.000	97	1319283	25.0	25.6	
113 1,4-Dichlorobenzene	146	10.172	10.172	0.000	92	667143	25.0	24.7	
115 n-Butylbenzene	91	10.507	10.507	0.000	95	1168411	25.0	25.4	
116 1,2-Dichlorobenzene	146	10.531	10.531	0.000	96	650730	25.0	25.1	
117 1,2-Dibromo-3-Chloropropane	75	11.291	11.291	0.000	78	76041	25.0	26.8	
119 1,2,4-Trichlorobenzene	180	11.967	11.967	0.000	93	508633	25.0	26.0	
120 Hexachlorobutadiene	225	12.088	12.088	0.000	96	245093	25.0	25.7	
121 Naphthalene	128	12.180	12.180	0.000	97	1338501	25.0	26.7	
122 1,2,3-Trichlorobenzene	180	12.387	12.387	0.000	95	483131	25.0	25.6	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00251	Amount Added: 12.50	Units: uL	
GAS CORP mix_00613	Amount Added: 12.50	Units: uL	
S_8260_IS_00382	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00474	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 26-Mar-2024 14:55:28 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6749.d

Injection Date: 26-Mar-2024 13:07:30 Instrument ID: HP5973S Operator ID: ZN/RS

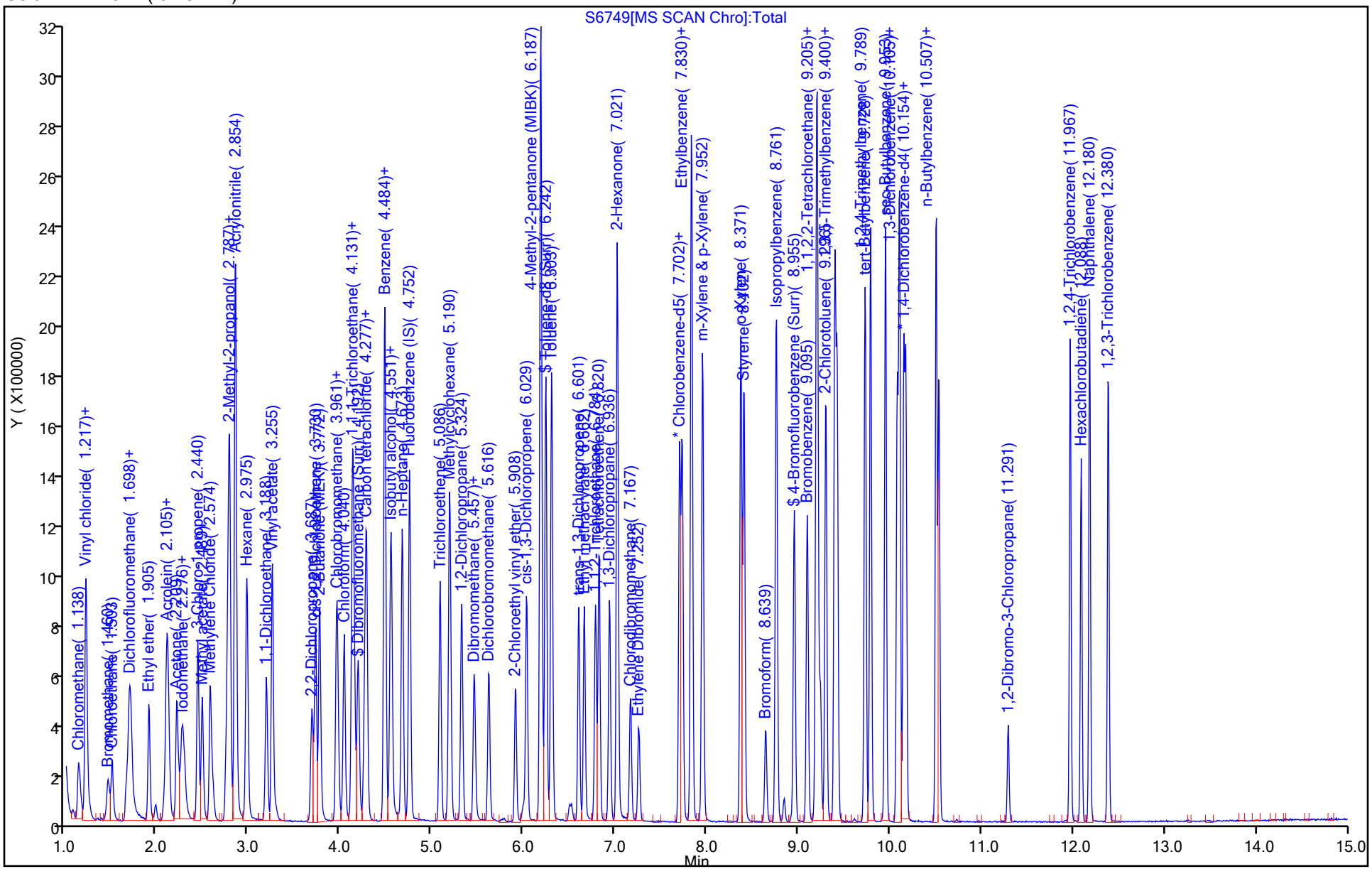
Lims ID: CCVIS Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Lab Sample ID: ICV 480-703484/28 Calibration Date: 03/13/2024 03:49

Instrument ID: HP5977K Calib Start Date: 03/12/2024 19:57

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 03/12/2024 22:34

Lab File ID: K2852.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	2.319	2.391	0.1000	25.8	25.0	3.1	50.0
Chloromethane	Ave	2.052	1.992	0.1000	24.3	25.0	-2.9	30.0
Vinyl chloride	Ave	1.725	1.678	0.1000	24.3	25.0	-2.7	30.0
Butadiene	Ave	1.950	1.897		24.3	25.0	-2.8	30.0
Bromomethane	Ave	0.8636	0.8348	0.1000	24.2	25.0	-3.3	50.0
Chloroethane	Ave	0.8604	0.8369	0.1000	24.3	25.0	-2.7	50.0
Dichlorofluoromethane	Ave	3.170	3.073		24.2	25.0	-3.1	30.0
Trichlorofluoromethane	Ave	2.714	2.771	0.1000	25.5	25.0	2.1	30.0
Ethyl ether	Ave	1.609	1.576		24.5	25.0	-2.0	30.0
Acrolein	Ave	0.0746	0.0791		133	125	6.1	50.0
1,1-Dichloroethene	Ave	1.303	1.288	0.1000	24.7	25.0	-1.1	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.436	1.516	0.1000	26.4	25.0	5.6	30.0
Acetone	Ave	0.7372	0.7736	0.1000	131	125	4.9	50.0
Iodomethane	Ave	2.262	2.253		24.9	25.0	-0.4	30.0
Carbon disulfide	Ave	3.746	3.627	0.1000	24.2	25.0	-3.2	30.0
Allyl chloride	Ave	2.713	2.601		24.0	25.0	-4.1	30.0
Methyl acetate	Ave	1.743	1.884	0.1000	54.0	50.0	8.1	50.0
Methylene Chloride	Lin1		1.407	0.1000	24.6	25.0	-1.8	30.0
2-Methyl-2-propanol	Ave	0.3369	0.3900		289	250	15.8	50.0
Methyl tert-butyl ether	Ave	4.543	4.475	0.1000	24.6	25.0	-1.5	30.0
trans-1,2-Dichloroethene	Ave	1.484	1.471	0.1000	24.8	25.0	-0.9	30.0
Acrylonitrile	Ave	1.115	1.127		253	250	1.1	30.0
Hexane	Ave	2.630	2.411		22.9	25.0	-8.3	30.0
1,1-Dichloroethane	Ave	3.132	3.107	0.2000	24.8	25.0	-0.8	30.0
Vinyl acetate	Ave	3.173	3.094		48.8	50.0	-2.5	30.0
2,2-Dichloropropane	Ave	1.675	1.492		22.3	25.0	-10.9	30.0
cis-1,2-Dichloroethene	Ave	1.586	1.596	0.1000	25.2	25.0	0.6	30.0
2-Butanone (MEK)	Ave	1.048	1.086	0.1000	130	125	3.6	30.0
Chlorobromomethane	Ave	0.7669	0.8011		26.1	25.0	4.4	30.0
Tetrahydrofuran	Ave	0.7823	0.7936		50.7	50.0	1.4	30.0
Chloroform	Ave	2.819	2.700	0.2000	23.9	25.0	-4.3	30.0
1,1,1-Trichloroethane	Ave	2.470	2.578	0.1000	26.1	25.0	4.4	30.0
Cyclohexane	Ave	3.675	3.680	0.1000	25.0	25.0	0.1	30.0
Carbon tetrachloride	Ave	2.258	2.301	0.1000	25.5	25.0	1.9	30.0
1,1-Dichloropropene	Ave	2.038	2.014		24.7	25.0	-1.2	30.0
Isobutyl alcohol	Ave	0.1360	0.1538		707	625	13.1	50.0
Benzene	Ave	5.628	5.367	0.5000	23.8	25.0	-4.6	30.0
1,2-Dichloroethane	Ave	2.378	2.282	0.1000	24.0	25.0	-4.1	30.0
n-Heptane	Ave	2.005	1.727		21.5	25.0	-13.9	30.0
Trichloroethene	Ave	1.510	1.452	0.2000	24.0	25.0	-3.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Lab Sample ID: ICV 480-703484/28 Calibration Date: 03/13/2024 03:49

Instrument ID: HP5977K Calib Start Date: 03/12/2024 19:57

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 03/12/2024 22:34

Lab File ID: K2852.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
Methylcyclohexane	Ave	2.625	2.558	0.1000	24.4	25.0	-2.5	30.0
1,2-Dichloropropane	Ave	1.534	1.470	0.1000	23.9	25.0	-4.2	30.0
Dibromomethane	Ave	0.8542	0.8896	0.1000	26.0	25.0	4.1	30.0
1,4-Dioxane	Ave	0.0055	0.0061		561	500	12.2	50.0
Bromodichloromethane	Ave	1.766	1.734	0.2000	24.5	25.0	-1.8	30.0
2-Chloroethyl vinyl ether	Ave	0.9936	0.9214		23.2	25.0	-7.3	30.0
cis-1,3-Dichloropropene	Ave	1.948	1.897	0.2000	24.3	25.0	-2.6	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5629	0.6102	0.1000	135	125	8.4	30.0
Toluene	Ave	0.8770	0.9096	0.4000	25.9	25.0	3.7	30.0
trans-1,3-Dichloropropene	Ave	0.4350	0.4729	0.1000	27.2	25.0	8.7	30.0
Ethyl methacrylate	Ave	0.4032	0.4479		27.8	25.0	11.1	30.0
1,1,2-Trichloroethane	Ave	0.2436	0.2493	0.1000	25.6	25.0	2.3	30.0
Tetrachloroethene	Ave	0.3886	0.3934	0.2000	25.3	25.0	1.2	30.0
1,3-Dichloropropane	Ave	0.5076	0.5274		26.0	25.0	3.9	30.0
2-Hexanone	Ave	0.3687	0.3966	0.1000	134	125	7.6	30.0
Dibromochloromethane	Ave	0.3219	0.3573	0.1000	27.8	25.0	11.0	30.0
1,2-Dibromoethane	Ave	0.3157	0.3339		26.4	25.0	5.8	30.0
Chlorobenzene	Ave	0.9345	0.9667	0.5000	25.9	25.0	3.5	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3512	0.3888		27.7	25.0	10.7	30.0
Ethylbenzene	Ave	1.663	1.744	0.1000	26.2	25.0	4.9	30.0
m,p-Xylene	Ave	0.6227	0.6641	0.1000	26.7	25.0	6.6	30.0
o-Xylene	Ave	0.6433	0.7016	0.3000	27.3	25.0	9.1	30.0
Styrene	Ave	0.9247	1.002	0.3000	27.1	25.0	8.4	30.0
Bromoform	Ave	0.2083	0.2337	0.1000	28.0	25.0	12.2	50.0
Isopropylbenzene	Ave	3.291	3.758	0.1000	28.5	25.0	14.2	30.0
Bromobenzene	Ave	0.7299	0.8238		28.2	25.0	12.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8903	1.006	0.3000	28.2	25.0	13.0	30.0
1,2,3-Trichloropropane	Ave	0.3327	0.3515		26.4	25.0	5.6	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3096	0.3549		28.7	25.0	14.6	50.0
N-Propylbenzene	Ave	3.700	4.270		28.8	25.0	15.4	30.0
2-Chlorotoluene	Ave	0.7556	0.8627		28.5	25.0	14.2	30.0
1,3,5-Trimethylbenzene	Ave	2.693	3.170		29.4	25.0	17.7	30.0
4-Chlorotoluene	Ave	2.437	2.758		28.3	25.0	13.2	30.0
tert-Butylbenzene	Ave	0.5836	0.6524		27.9	25.0	11.8	30.0
1,2,4-Trimethylbenzene	Ave	2.771	3.261		29.4	25.0	17.6	30.0
sec-Butylbenzene	Ave	3.361	3.926		29.2	25.0	16.8	30.0
1,3-Dichlorobenzene	Ave	1.389	1.515	0.6000	27.3	25.0	9.1	30.0
4-Isopropyltoluene	Ave	2.903	3.440		29.6	25.0	18.5	30.0
1,4-Dichlorobenzene	Ave	1.388	1.535	0.5000	27.7	25.0	10.6	30.0
n-Butylbenzene	Ave	2.448	2.853		29.1	25.0	16.6	30.0
1,2-Dichlorobenzene	Ave	1.416	1.574	0.4000	27.8	25.0	11.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Lab Sample ID: ICV 480-703484/28 Calibration Date: 03/13/2024 03:49

Instrument ID: HP5977K Calib Start Date: 03/12/2024 19:57

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 03/12/2024 22:34

Lab File ID: K2852.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2353	0.2714	0.0500	28.8	25.0	15.3	50.0
1,2,4-Trichlorobenzene	Ave	0.9419	1.112	0.2000	29.5	25.0	18.0	30.0
Hexachlorobutadiene	Ave	0.3874	0.4516		29.1	25.0	16.6	30.0
Naphthalene	Ave	3.307	3.918		29.6	25.0	18.5	30.0
1,2,3-Trichlorobenzene	Ave	0.9536	1.116		29.3	25.0	17.0	30.0
Dibromofluoromethane (Surr)	Ave	1.414	1.377		24.3	25.0	-2.6	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.590	1.541		24.2	25.0	-3.1	30.0
Toluene-d8 (Surr)	Ave	1.259	1.198		23.8	25.0	-4.9	30.0
4-Bromofluorobenzene (Surr)	Ave	0.3823	0.3615		23.6	25.0	-5.4	30.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2852.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 13-Mar-2024 03:49:00 ALS Bottle#: 0 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 480-0116718-028
Operator ID: cdc Instrument ID: HP5977K
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2024 11:01:23 Calib Date: 13-Mar-2024 02:41:36
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2849.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: WLL8 Date: 13-Mar-2024 10:55:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.343	5.343	0.000	99	155990	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.330	8.330	0.000	88	549521	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	97	271482	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.745	4.739	0.006	95	214774	25.0	24.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.051	5.044	0.007	99	240381	25.0	24.2	
$ 6 Toluene-d8 (Surr)	98	6.858	6.854	0.004	93	658294	25.0	23.8	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	86	198641	25.0	23.6	
11 Dichlorodifluoromethane	85	1.182	1.166	0.016	99	372921	25.0	25.8	
13 Chloromethane	50	1.350	1.337	0.013	99	310777	25.0	24.3	
14 Vinyl chloride	62	1.443	1.427	0.016	97	261826	25.0	24.3	
151 Butadiene	54	1.469	1.453	0.016	85	295880	25.0	24.3	
15 Bromomethane	94	1.755	1.736	0.019	92	130225	25.0	24.2	
16 Chloroethane	64	1.835	1.816	0.019	98	130550	25.0	24.3	
18 Dichlorofluoromethane	67	2.057	2.041	0.016	97	479283	25.0	24.2	
17 Trichlorofluoromethane	101	2.080	2.060	0.020	97	432317	25.0	25.5	
19 Ethyl ether	59	2.359	2.346	0.013	93	245890	25.0	24.5	
21 Acrolein	56	2.510	2.498	0.012	98	61707	125.0	132.6	
22 1,1-Dichloroethene	96	2.572	2.555	0.017	93	200988	25.0	24.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.584	2.565	0.019	92	236476	25.0	26.4	
23 Acetone	43	2.665	2.652	0.013	99	603378	125.0	131.2	
24 Iodomethane	142	2.716	2.707	0.009	98	351463	25.0	24.9	
25 Carbon disulfide	76	2.768	2.755	0.013	100	565843	25.0	24.2	
27 3-Chloro-1-propene	41	2.935	2.925	0.010	92	405726	25.0	24.0	
28 Methyl acetate	43	2.980	2.967	0.013	99	587775	50.0	54.0	
30 Methylene Chloride	84	3.070	3.060	0.010	98	219452	25.0	24.6	
31 2-Methyl-2-propanol	59	3.240	3.231	0.009	100	608438	250.0	289.5	
33 Methyl tert-butyl ether	73	3.314	3.305	0.009	97	698077	25.0	24.6	
32 trans-1,2-Dichloroethene	96	3.317	3.308	0.009	91	229394	25.0	24.8	
34 Acrylonitrile	53	3.330	3.318	0.012	99	1758079	250.0	252.8	
35 Hexane	57	3.549	3.539	0.010	88	376140	25.0	22.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.726	3.719	0.007	96	484678	25.0	24.8	
39 Vinyl acetate	43	3.784	3.777	0.007	97	965334	50.0	48.8	
42 2,2-Dichloropropane	77	4.256	4.250	0.006	88	232793	25.0	22.3	
43 cis-1,2-Dichloroethene	96	4.282	4.276	0.006	83	248911	25.0	25.2	
44 2-Butanone (MEK)	43	4.308	4.298	0.010	99	846943	125.0	129.5	
47 Chlorobromomethane	128	4.510	4.504	0.006	95	124958	25.0	26.1	
48 Tetrahydrofuran	42	4.549	4.543	0.006	93	247585	50.0	50.7	
50 Chloroform	83	4.594	4.588	0.006	94	421102	25.0	23.9	
51 1,1,1-Trichloroethane	97	4.726	4.723	0.003	98	402183	25.0	26.1	
52 Cyclohexane	56	4.758	4.752	0.006	89	573993	25.0	25.0	
53 Carbon tetrachloride	117	4.874	4.871	0.003	96	358981	25.0	25.5	
54 1,1-Dichloropropene	75	4.880	4.877	0.003	97	314122	25.0	24.7	
56 Isobutyl alcohol	43	5.073	5.070	0.003	95	599670	625.0	706.8	
55 Benzene	78	5.076	5.073	0.003	96	837140	25.0	23.8	
57 1,2-Dichloroethane	62	5.121	5.118	0.003	97	355897	25.0	24.0	
59 n-Heptane	43	5.298	5.295	0.003	94	269333	25.0	21.5	
60 Trichloroethene	95	5.690	5.687	0.003	96	226483	25.0	24.0	
62 Methylcyclohexane	83	5.838	5.835	0.003	96	399083	25.0	24.4	
63 1,2-Dichloropropane	63	5.912	5.909	0.003	96	229281	25.0	23.9	
65 Dibromomethane	93	6.041	6.038	0.003	95	138773	25.0	26.0	
66 1,4-Dioxane	88	6.057	6.057	0.000	96	67421	500.0	561.0	M
67 Dichlorobromomethane	83	6.198	6.195	0.003	98	270422	25.0	24.5	
69 2-Chloroethyl vinyl ether	63	6.481	6.478	0.003	92	143734	25.0	23.2	
71 cis-1,3-Dichloropropene	75	6.620	6.620	0.000	94	295904	25.0	24.3	
72 4-Methyl-2-pentanone (MIBK)	43	6.761	6.761	0.000	95	1676492	125.0	135.5	
73 Toluene	92	6.922	6.922	0.000	98	499833	25.0	25.9	
75 trans-1,3-Dichloropropene	75	7.179	7.176	0.003	94	259852	25.0	27.2	
77 Ethyl methacrylate	69	7.247	7.247	0.000	91	246136	25.0	27.8	
78 1,1,2-Trichloroethane	83	7.366	7.362	0.004	93	136973	25.0	25.6	
79 Tetrachloroethene	166	7.465	7.465	0.000	93	216185	25.0	25.3	
80 1,3-Dichloropropane	76	7.526	7.526	0.000	95	289810	25.0	26.0	
81 2-Hexanone	43	7.600	7.597	0.003	94	1089747	125.0	134.5	
82 Chlorodibromomethane	129	7.761	7.761	0.000	90	196350	25.0	27.8	
83 Ethylene Dibromide	107	7.867	7.864	0.003	97	183500	25.0	26.4	
86 Chlorobenzene	112	8.359	8.359	0.000	94	531234	25.0	25.9	
89 1,1,1,2-Tetrachloroethane	131	8.452	8.452	0.000	92	213667	25.0	27.7	
88 Ethylbenzene	91	8.462	8.459	0.003	99	958579	25.0	26.2	
90 m-Xylene & p-Xylene	106	8.584	8.584	0.000	98	364946	25.0	26.7	
91 o-Xylene	106	9.005	9.005	0.000	98	385543	25.0	27.3	
92 Styrene	104	9.031	9.028	0.003	95	550815	25.0	27.1	
93 Bromoform	173	9.256	9.253	0.003	96	128414	25.0	28.0	
95 Isopropylbenzene	105	9.398	9.395	0.003	96	1020265	25.0	28.5	
97 Bromobenzene	156	9.726	9.729	-0.003	95	223652	25.0	28.2	
98 1,1,2,2-Tetrachloroethane	83	9.764	9.764	0.000	94	273007	25.0	28.2	
100 1,2,3-Trichloropropane	110	9.796	9.793	0.003	85	95414	25.0	26.4	
101 trans-1,4-Dichloro-2-butene	53	9.812	9.813	-0.001	89	96340	25.0	28.7	
99 N-Propylbenzene	91	9.825	9.825	0.000	99	1159122	25.0	28.8	
105 2-Chlorotoluene	126	9.922	9.922	0.000	96	234219	25.0	28.5	
104 1,3,5-Trimethylbenzene	105	10.005	10.005	0.000	94	860479	25.0	29.4	
102 4-Chlorotoluene	91	10.031	10.031	0.000	99	748657	25.0	28.3	
106 tert-Butylbenzene	134	10.324	10.324	0.000	93	177103	25.0	27.9	
107 1,2,4-Trimethylbenzene	105	10.375	10.378	-0.003	98	885176	25.0	29.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.536	10.536	0.000	95	1065784	25.0	29.2	
110 1,3-Dichlorobenzene	146	10.658	10.658	0.000	97	411166	25.0	27.3	
111 4-Isopropyltoluene	119	10.677	10.677	0.000	97	933858	25.0	29.6	
113 1,4-Dichlorobenzene	146	10.745	10.745	0.000	94	416731	25.0	27.7	
115 n-Butylbenzene	91	11.060	11.060	0.000	98	774654	25.0	29.1	
116 1,2-Dichlorobenzene	146	11.092	11.092	0.000	97	427446	25.0	27.8	
117 1,2-Dibromo-3-Chloropropane	75	11.806	11.806	0.000	84	73687	25.0	28.8	
119 1,2,4-Trichlorobenzene	180	12.501	12.501	0.000	95	301825	25.0	29.5	
120 Hexachlorobutadiene	225	12.629	12.629	0.000	98	122600	25.0	29.1	
121 Naphthalene	128	12.706	12.706	0.000	97	1063587	25.0	29.6	
122 1,2,3-Trichlorobenzene	180	12.909	12.912	-0.003	96	302997	25.0	29.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SS GAS CORP_00572	Amount Added:	12.50	Units: uL	
SS 8260 CORP_00113	Amount Added:	12.50	Units: uL	
K WATER IS/SS_00012	Amount Added:	5.00	Units: uL	Run Reagent

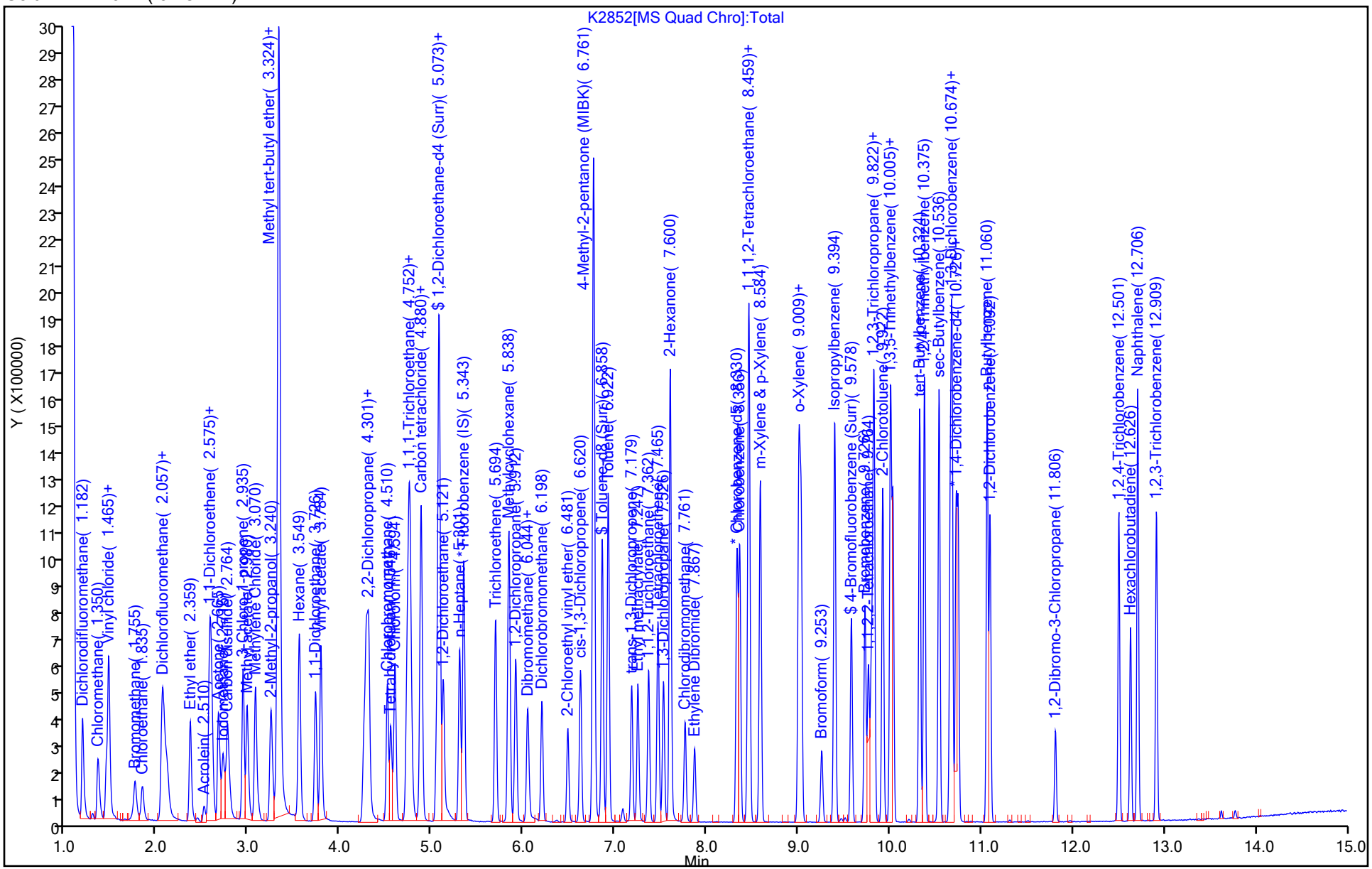
Report Date: 13-Mar-2024 11:02:38 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2852.D

Injection Date:	13-Mar-2024 03:49:00	Instrument ID:	HP5977K	Operator ID:	cdc
Lims ID:	ICV			Worklist Smp#:	28
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

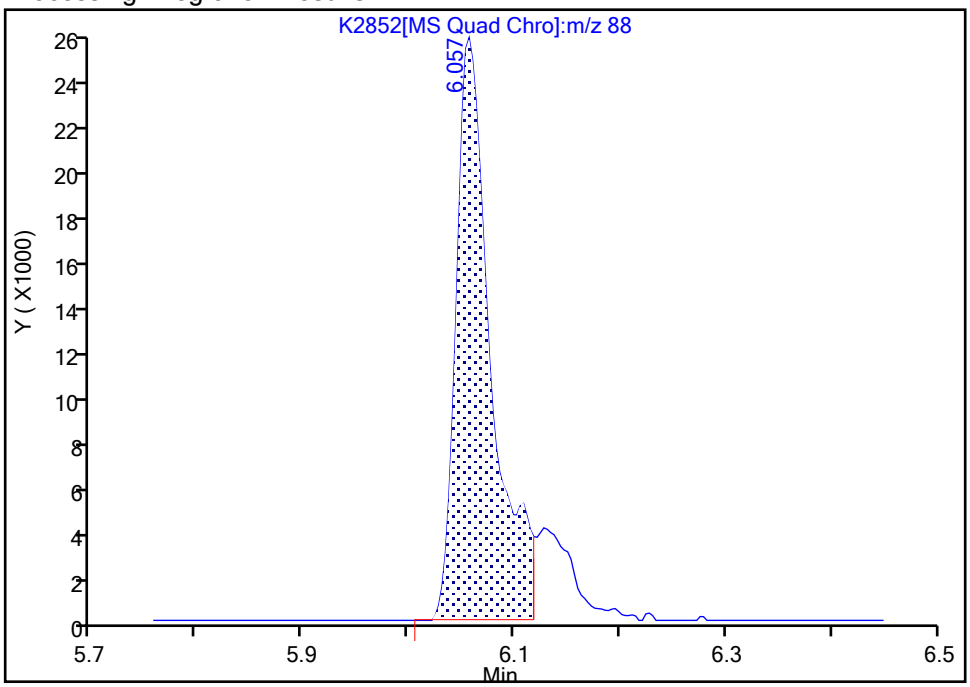
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2852.D
Injection Date: 13-Mar-2024 03:49:00 Instrument ID: HP5977K
Lims ID: ICV
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

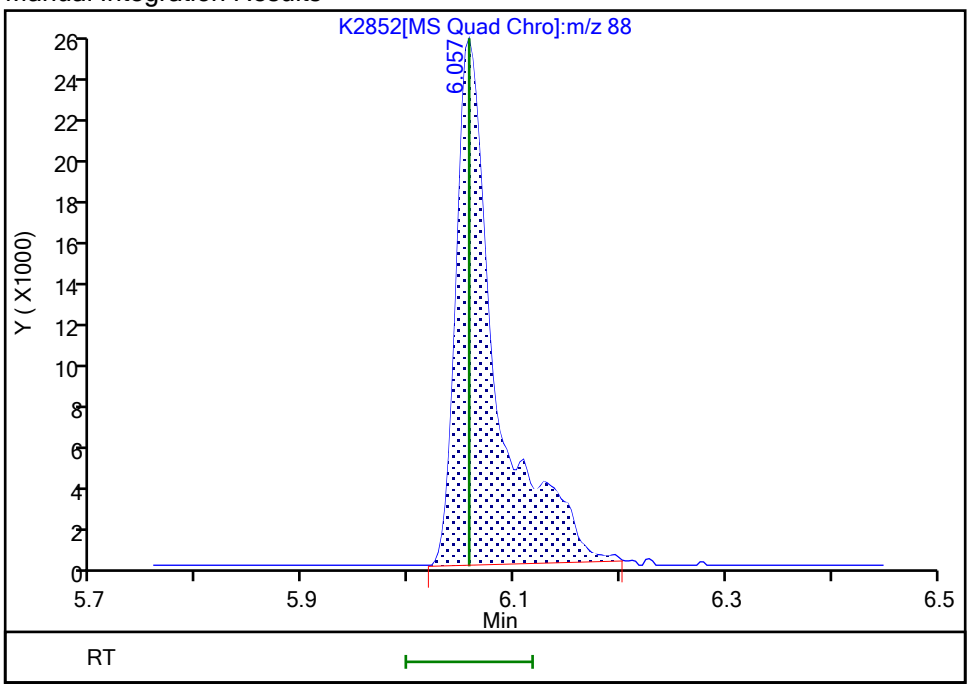
Processing Integration Results

RT: 6.06
Area: 59218
Amount: 492.7446
Amount Units: ug/L



Manual Integration Results

RT: 6.06
Area: 67421
Amount: 561.0006
Amount Units: ug/L



Reviewer: WLL8, 13-Mar-2024 10:55:24 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Lab Sample ID: CCVIS 480-704785/4 Calibration Date: 03/22/2024 23:06

Instrument ID: HP5977K Calib Start Date: 03/12/2024 19:57

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 03/12/2024 22:34

Lab File ID: K3147.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	2.319	2.316	0.1000	25.0	25.0	-0.1	50.0
Chloromethane	Ave	2.052	1.981	0.1000	24.1	25.0	-3.5	20.0
Vinyl chloride	Ave	1.725	1.497	0.1000	21.7	25.0	-13.2	20.0
Butadiene	Ave	1.950	1.822		23.4	25.0	-6.6	20.0
Bromomethane	Ave	0.8636	0.7332	0.1000	21.2	25.0	-15.1	50.0
Chloroethane	Ave	0.8604	0.7765	0.1000	22.6	25.0	-9.7	50.0
Dichlorofluoromethane	Ave	3.170	2.969		23.4	25.0	-6.3	20.0
Trichlorofluoromethane	Ave	2.714	2.684	0.1000	24.7	25.0	-1.1	20.0
Ethyl ether	Ave	1.609	1.514		23.5	25.0	-5.9	20.0
Acrolein	Ave	0.0746	0.0810		136	125	8.6	50.0
1,1-Dichloroethene	Ave	1.303	1.204	0.1000	23.1	25.0	-7.6	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.436	1.365	0.1000	23.8	25.0	-5.0	20.0
Acetone	Ave	0.7372	0.7872	0.1000	133	125	6.8	50.0
Iodomethane	Ave	2.262	2.077		23.0	25.0	-8.2	20.0
Carbon disulfide	Ave	3.746	3.495	0.1000	23.3	25.0	-6.7	20.0
Allyl chloride	Ave	2.713	2.604		24.0	25.0	-4.0	20.0
Methyl acetate	Ave	1.743	1.932	0.1000	55.4	50.0	10.8	50.0
Methylene Chloride	Lin1		1.354	0.1000	23.6	25.0	-5.5	20.0
2-Methyl-2-propanol	Ave	0.3369	0.3883		288	250	15.3	50.0
Methyl tert-butyl ether	Ave	4.543	4.224	0.1000	23.2	25.0	-7.0	20.0
trans-1,2-Dichloroethene	Ave	1.484	1.380	0.1000	23.3	25.0	-7.0	20.0
Acrylonitrile	Ave	1.115	1.150		258	250	3.2	20.0
Hexane	Ave	2.630	2.305		21.9	25.0	-12.4	20.0
1,1-Dichloroethane	Ave	3.132	2.988	0.2000	23.8	25.0	-4.6	20.0
Vinyl acetate	Ave	3.173	3.512		55.3	50.0	10.7	20.0
2,2-Dichloropropane	Ave	1.675	1.469		21.9	25.0	-12.3	20.0
cis-1,2-Dichloroethene	Ave	1.586	1.473	0.1000	23.2	25.0	-7.1	20.0
2-Butanone (MEK)	Ave	1.048	1.237	0.1000	148	125	18.0	20.0
Chlorobromomethane	Ave	0.7669	0.7514		24.5	25.0	-2.0	20.0
Tetrahydrofuran	Ave	0.7823	0.8307		53.1	50.0	6.2	20.0
Chloroform	Ave	2.819	2.534	0.2000	22.5	25.0	-10.1	20.0
1,1,1-Trichloroethane	Ave	2.470	2.340	0.1000	23.7	25.0	-5.3	20.0
Cyclohexane	Ave	3.675	3.496	0.1000	23.8	25.0	-4.9	20.0
Carbon tetrachloride	Ave	2.258	2.182	0.1000	24.2	25.0	-3.4	20.0
1,1-Dichloropropene	Ave	2.038	1.885		23.1	25.0	-7.5	20.0
Isobutyl alcohol	Ave	0.1360	0.1704		783	625	25.3	50.0
Benzene	Ave	5.628	5.111	0.5000	22.7	25.0	-9.2	20.0
1,2-Dichloroethane	Ave	2.378	2.222	0.1000	23.4	25.0	-6.6	20.0
n-Heptane	Ave	2.005	1.780		22.2	25.0	-11.2	20.0
Trichloroethene	Ave	1.510	1.421	0.2000	23.5	25.0	-5.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Lab Sample ID: CCVIS 480-704785/4 | Calibration Date: 03/22/2024 23:06

Instrument ID: HP5977K | Calib Start Date: 03/12/2024 19:57

GC Column: ZB-624 (20) ID: 0.18(mm) | Calib End Date: 03/12/2024 22:34

Lab File ID: K3147.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
Methylcyclohexane	Ave	2.625	2.359	0.1000	22.5	25.0	-10.2	20.0
1,2-Dichloropropane	Ave	1.534	1.498	0.1000	24.4	25.0	-2.4	20.0
Dibromomethane	Ave	0.8542	0.8501	0.1000	24.9	25.0	-0.5	20.0
1,4-Dioxane	Ave	0.0055	0.0063		576	500	15.2	50.0
Bromodichloromethane	Ave	1.766	1.756	0.2000	24.9	25.0	-0.6	20.0
2-Chloroethyl vinyl ether	Ave	0.9936	0.9869		24.8	25.0	-0.7	20.0
cis-1,3-Dichloropropene	Ave	1.948	1.922	0.2000	24.7	25.0	-1.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5629	0.6776	0.1000	150	125	20.4*	20.0
Toluene	Ave	0.8770	0.8910	0.4000	25.4	25.0	1.6	20.0
trans-1,3-Dichloropropene	Ave	0.4350	0.4990	0.1000	28.7	25.0	14.7	20.0
Ethyl methacrylate	Ave	0.4032	0.4494		27.9	25.0	11.5	20.0
1,1,2-Trichloroethane	Ave	0.2436	0.2628	0.1000	27.0	25.0	7.9	20.0
Tetrachloroethene	Ave	0.3886	0.3945	0.2000	25.4	25.0	1.5	20.0
1,3-Dichloropropane	Ave	0.5076	0.5481		27.0	25.0	8.0	20.0
2-Hexanone	Ave	0.3687	0.4589	0.1000	156	125	24.5*	20.0
Dibromochloromethane	Ave	0.3219	0.3697	0.1000	28.7	25.0	14.9	20.0
1,2-Dibromoethane	Ave	0.3157	0.3556		28.2	25.0	12.6	20.0
Chlorobenzene	Ave	0.9345	0.9838	0.5000	26.3	25.0	5.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3512	0.3751		26.7	25.0	6.8	20.0
Ethylbenzene	Ave	1.663	1.706	0.1000	25.6	25.0	2.6	20.0
m,p-Xylene	Ave	0.6227	0.6437	0.1000	25.8	25.0	3.4	20.0
o-Xylene	Ave	0.6433	0.6657	0.3000	25.9	25.0	3.5	20.0
Styrene	Ave	0.9247	0.9934	0.3000	26.9	25.0	7.4	20.0
Bromoform	Ave	0.2083	0.2427	0.1000	29.1	25.0	16.5	50.0
Isopropylbenzene	Ave	3.291	3.526	0.1000	26.8	25.0	7.1	20.0
Bromobenzene	Ave	0.7299	0.8185		28.0	25.0	12.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8903	1.020	0.3000	28.6	25.0	14.5	20.0
1,2,3-Trichloropropane	Ave	0.3327	0.3615		27.2	25.0	8.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3096	0.2971		24.0	25.0	-4.0	50.0
N-Propylbenzene	Ave	3.700	4.076		27.5	25.0	10.2	20.0
2-Chlorotoluene	Ave	0.7556	0.8115		26.9	25.0	7.4	20.0
1,3,5-Trimethylbenzene	Ave	2.693	3.009		27.9	25.0	11.7	20.0
4-Chlorotoluene	Ave	2.437	2.717		27.9	25.0	11.5	20.0
tert-Butylbenzene	Ave	0.5836	0.6500		27.8	25.0	11.4	20.0
1,2,4-Trimethylbenzene	Ave	2.771	3.072		27.7	25.0	10.9	20.0
sec-Butylbenzene	Ave	3.361	3.701		27.5	25.0	10.1	20.0
1,3-Dichlorobenzene	Ave	1.389	1.526	0.6000	27.5	25.0	9.9	20.0
4-Isopropyltoluene	Ave	2.903	3.270		28.2	25.0	12.7	20.0
1,4-Dichlorobenzene	Ave	1.388	1.531	0.5000	27.6	25.0	10.4	20.0
n-Butylbenzene	Ave	2.448	2.656		27.1	25.0	8.5	20.0
1,2-Dichlorobenzene	Ave	1.416	1.506	0.4000	26.6	25.0	6.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Lab Sample ID: CCVIS 480-704785/4 Calibration Date: 03/22/2024 23:06

Instrument ID: HP5977K Calib Start Date: 03/12/2024 19:57

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 03/12/2024 22:34

Lab File ID: K3147.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2353	0.2584	0.0500	27.5	25.0	9.8	50.0
1,2,4-Trichlorobenzene	Ave	0.9419	0.9883	0.2000	26.2	25.0	4.9	20.0
Hexachlorobutadiene	Ave	0.3874	0.4145		26.7	25.0	7.0	20.0
Naphthalene	Ave	3.307	3.612		27.3	25.0	9.2	20.0
1,2,3-Trichlorobenzene	Ave	0.9536	1.021		26.8	25.0	7.1	20.0
Dibromofluoromethane (Surr)	Ave	1.414	1.237		21.9	25.0	-12.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.590	1.432		22.5	25.0	-10.0	20.0
Toluene-d8 (Surr)	Ave	1.259	1.191		23.6	25.0	-5.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3823	0.3643		23.8	25.0	-4.7	20.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K3147.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Mar-2024 23:06:55 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0116903-004
Operator ID: LH Instrument ID: HP5977K
Sublist: chrom-K-8260 WATER*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Mar-2024 11:30:49 Calib Date: 13-Mar-2024 02:41:36
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2849.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: WLL8 Date: 25-Mar-2024 11:30:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.340	5.340	0.000	98	156427	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.327	8.327	0.000	87	541450	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	269417	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.736	4.736	0.000	92	193506	25.0	21.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.044	5.044	0.000	99	224011	25.0	22.5	
$ 6 Toluene-d8 (Surr)	98	6.854	6.854	0.000	94	644927	25.0	23.6	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	86	197271	25.0	23.8	
11 Dichlorodifluoromethane	85	1.170	1.170	0.000	99	362363	25.0	25.0	
13 Chloromethane	50	1.337	1.337	0.000	99	309902	25.0	24.1	
14 Vinyl chloride	62	1.427	1.427	0.000	97	234210	25.0	21.7	
151 Butadiene	54	1.456	1.456	0.000	87	285057	25.0	23.4	
15 Bromomethane	94	1.739	1.739	0.000	92	114695	25.0	21.2	
16 Chloroethane	64	1.822	1.822	0.000	97	121465	25.0	22.6	
18 Dichlorofluoromethane	67	2.044	2.044	0.000	96	464386	25.0	23.4	
17 Trichlorofluoromethane	101	2.064	2.064	0.000	98	419903	25.0	24.7	
19 Ethyl ether	59	2.343	2.343	0.000	96	236789	25.0	23.5	
21 Acrolein	56	2.494	2.494	0.000	98	63325	125.0	135.7	
22 1,1-Dichloroethene	96	2.562	2.562	0.000	93	188269	25.0	23.1	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.572	2.572	0.000	94	213517	25.0	23.8	
23 Acetone	43	2.652	2.652	0.000	99	615679	125.0	133.5	
24 Iodomethane	142	2.707	2.707	0.000	99	324955	25.0	23.0	
25 Carbon disulfide	76	2.758	2.758	0.000	100	546753	25.0	23.3	
27 3-Chloro-1-propene	41	2.922	2.922	0.000	92	407360	25.0	24.0	
28 Methyl acetate	43	2.967	2.967	0.000	99	604286	50.0	55.4	
30 Methylene Chloride	84	3.060	3.060	0.000	96	211731	25.0	23.6	
31 2-Methyl-2-propanol	59	3.228	3.228	0.000	100	607349	250.0	288.1	
33 Methyl tert-butyl ether	73	3.301	3.301	0.000	97	660745	25.0	23.2	
32 trans-1,2-Dichloroethene	96	3.308	3.308	0.000	92	215910	25.0	23.3	
34 Acrylonitrile	53	3.318	3.318	0.000	99	1799377	250.0	258.0	
35 Hexane	57	3.539	3.539	0.000	89	360609	25.0	21.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.716	3.716	0.000	97	467376	25.0	23.8	
39 Vinyl acetate	43	3.774	3.774	0.000	97	1098731	50.0	55.3	
42 2,2-Dichloropropane	77	4.250	4.250	0.000	88	229792	25.0	21.9	
43 cis-1,2-Dichloroethene	96	4.276	4.276	0.000	85	230460	25.0	23.2	
44 2-Butanone (MEK)	43	4.298	4.298	0.000	98	967317	125.0	147.5	
47 Chlorobromomethane	128	4.504	4.504	0.000	92	117544	25.0	24.5	
48 Tetrahydrofuran	42	4.539	4.539	0.000	93	259902	50.0	53.1	
50 Chloroform	83	4.584	4.584	0.000	95	396393	25.0	22.5	
51 1,1,1-Trichloroethane	97	4.719	4.719	0.000	98	366116	25.0	23.7	
52 Cyclohexane	56	4.752	4.752	0.000	89	546870	25.0	23.8	
53 Carbon tetrachloride	117	4.867	4.867	0.000	96	341278	25.0	24.2	
54 1,1-Dichloropropene	75	4.874	4.874	0.000	95	294873	25.0	23.1	
56 Isobutyl alcohol	43	5.067	5.067	0.000	95	666513	625.0	783.4	
55 Benzene	78	5.070	5.070	0.000	96	799534	25.0	22.7	
57 1,2-Dichloroethane	62	5.115	5.115	0.000	97	347580	25.0	23.4	
59 n-Heptane	43	5.295	5.295	0.000	95	278377	25.0	22.2	
60 Trichloroethene	95	5.687	5.687	0.000	96	222257	25.0	23.5	
62 Methylcyclohexane	83	5.832	5.832	0.000	95	368960	25.0	22.5	
63 1,2-Dichloropropane	63	5.906	5.906	0.000	97	234349	25.0	24.4	
65 Dibromomethane	93	6.038	6.038	0.000	96	132985	25.0	24.9	
66 1,4-Dioxane	88	6.051	6.051	0.000	93	68213	500.0	576.1	
67 Dichlorobromomethane	83	6.192	6.192	0.000	98	274664	25.0	24.9	
69 2-Chloroethyl vinyl ether	63	6.478	6.478	0.000	91	154376	25.0	24.8	
71 cis-1,3-Dichloropropene	75	6.616	6.616	0.000	94	300676	25.0	24.7	
72 4-Methyl-2-pentanone (MIBK)	43	6.758	6.758	0.000	96	1834461	125.0	150.5	
73 Toluene	92	6.919	6.919	0.000	98	482456	25.0	25.4	
75 trans-1,3-Dichloropropene	75	7.176	7.176	0.000	95	270157	25.0	28.7	
77 Ethyl methacrylate	69	7.243	7.243	0.000	93	243335	25.0	27.9	
78 1,1,2-Trichloroethane	83	7.359	7.359	0.000	96	142266	25.0	27.0	
79 Tetrachloroethene	166	7.465	7.465	0.000	93	213609	25.0	25.4	
80 1,3-Dichloropropane	76	7.523	7.523	0.000	95	296780	25.0	27.0	
81 2-Hexanone	43	7.597	7.597	0.000	96	1242341	125.0	155.6	
82 Chlorodibromomethane	129	7.761	7.761	0.000	91	200166	25.0	28.7	
83 Ethylene Dibromide	107	7.864	7.864	0.000	98	192526	25.0	28.2	
86 Chlorobenzene	112	8.356	8.356	0.000	94	532679	25.0	26.3	
89 1,1,1,2-Tetrachloroethane	131	8.449	8.449	0.000	92	203093	25.0	26.7	
88 Ethylbenzene	91	8.459	8.459	0.000	99	923598	25.0	25.6	
90 m-Xylene & p-Xylene	106	8.581	8.581	0.000	98	348513	25.0	25.8	
91 o-Xylene	106	9.005	9.005	0.000	98	360426	25.0	25.9	
92 Styrene	104	9.028	9.028	0.000	94	537867	25.0	26.9	
93 Bromoform	173	9.253	9.253	0.000	95	131405	25.0	29.1	
95 Isopropylbenzene	105	9.395	9.395	0.000	97	950028	25.0	26.8	
97 Bromobenzene	156	9.726	9.726	0.000	96	220527	25.0	28.0	
98 1,1,2,2-Tetrachloroethane	83	9.764	9.764	0.000	94	274685	25.0	28.6	
100 1,2,3-Trichloropropane	110	9.796	9.796	0.000	88	97400	25.0	27.2	
101 trans-1,4-Dichloro-2-butene	53	9.813	9.813	0.000	87	80041	25.0	24.0	
99 N-Propylbenzene	91	9.825	9.825	0.000	99	1098074	25.0	27.5	
105 2-Chlorotoluene	126	9.922	9.922	0.000	95	218642	25.0	26.9	
104 1,3,5-Trimethylbenzene	105	10.005	10.005	0.000	93	810636	25.0	27.9	
102 4-Chlorotoluene	91	10.031	10.031	0.000	99	731950	25.0	27.9	
106 tert-Butylbenzene	134	10.324	10.324	0.000	94	175133	25.0	27.8	
107 1,2,4-Trimethylbenzene	105	10.375	10.375	0.000	98	827749	25.0	27.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.536	10.536	0.000	95	997236	25.0	27.5	
110 1,3-Dichlorobenzene	146	10.658	10.658	0.000	97	411257	25.0	27.5	
111 4-Isopropyltoluene	119	10.677	10.677	0.000	97	880973	25.0	28.2	
113 1,4-Dichlorobenzene	146	10.745	10.745	0.000	93	412514	25.0	27.6	
115 n-Butylbenzene	91	11.060	11.060	0.000	98	715648	25.0	27.1	
116 1,2-Dichlorobenzene	146	11.092	11.092	0.000	97	405682	25.0	26.6	
117 1,2-Dibromo-3-Chloropropane	75	11.806	11.806	0.000	83	69626	25.0	27.5	
119 1,2,4-Trichlorobenzene	180	12.501	12.501	0.000	95	266260	25.0	26.2	
120 Hexachlorobutadiene	225	12.629	12.629	0.000	97	111661	25.0	26.7	
121 Naphthalene	128	12.706	12.706	0.000	97	973262	25.0	27.3	
122 1,2,3-Trichlorobenzene	180	12.909	12.909	0.000	95	275151	25.0	26.8	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00250	Amount Added: 12.50	Units: uL	
GAS CORP mix_00613	Amount Added: 12.50	Units: uL	
K WATER IS/SS_00012	Amount Added: 5.00	Units: uL	Run Reagent

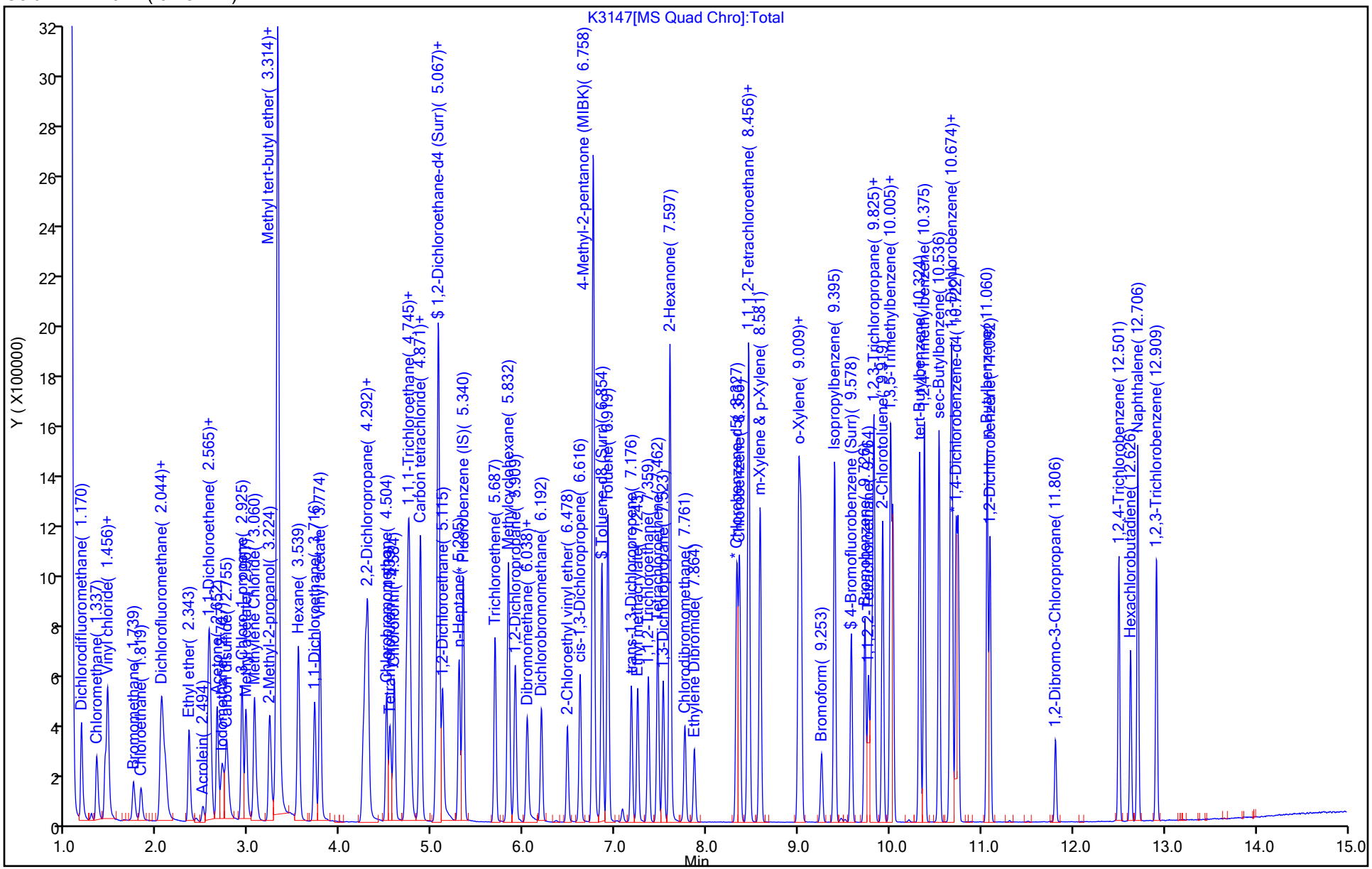
Report Date: 25-Mar-2024 11:30:51 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K3147.D

Injection Date:	22-Mar-2024 23:06:55	Instrument ID:	HP5977K	Operator ID:	LH
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5479.d				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	12-Mar-2024 14:48:30	ALS Bottle#:	10	Worklist Smp#:	9
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0116708-009				
Operator ID:	LH	Instrument ID:	HP5973N		
Method:	\\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	13-Mar-2024 10:20:11	Calib Date:	12-Mar-2024 22:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1666				
First Level Reviewer: WLL8		Date:	12-Mar-2024 14:59:52		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 4 BFB	95	4.552	4.552	0.000	86	245328	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

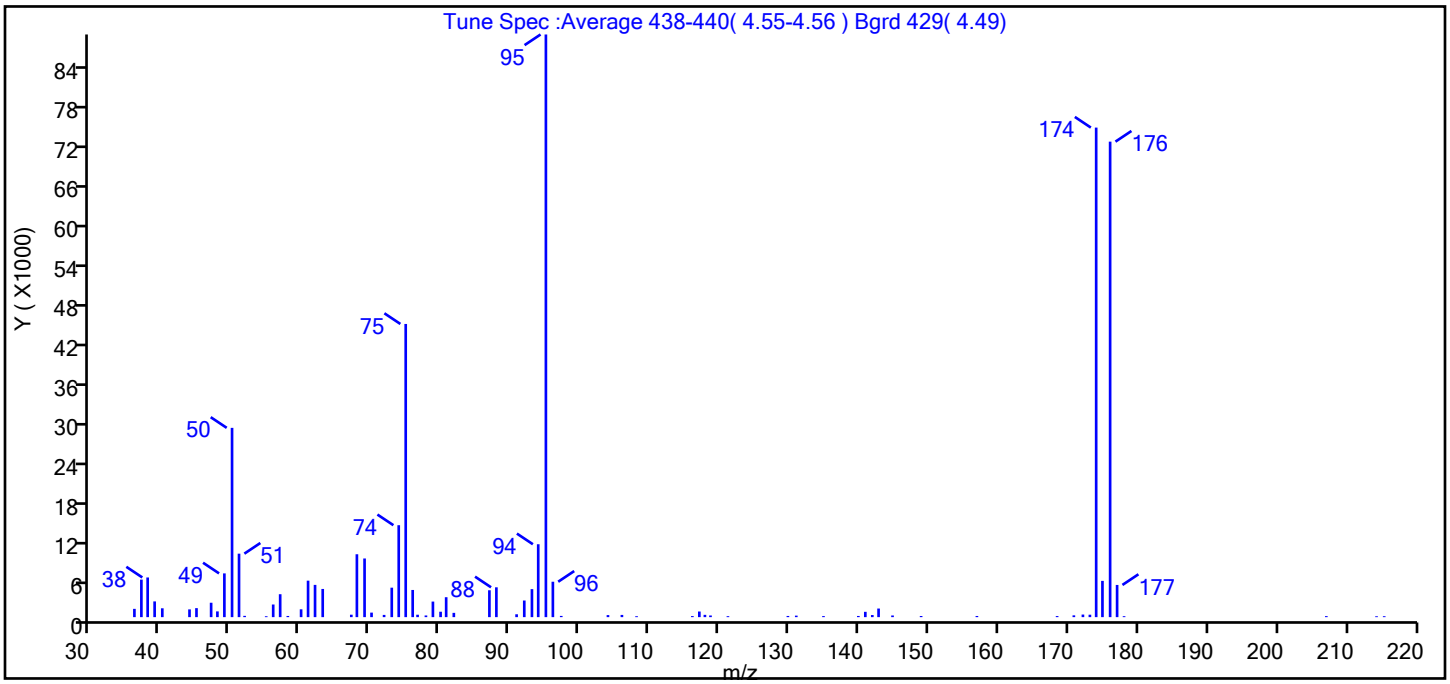
BFB_WRK_00158 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5479.d
Injection Date: 12-Mar-2024 14:48:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 9
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	32.5
75	30 to 60% of m/z 95	50.3
96	5 to 9% of m/z 95	6.1
173	Less than 2% of m/z 174	0.4 (0.5)
174	50 to 120% of m/z 95	84.0
175	5 to 9% of m/z 174	6.2 (7.4)
176	Greater than 95% but less than 101% of m/z 174	81.6 (97.1)
177	5 to 9% of m/z 176	5.5 (6.8)

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5479.d\N-8260.rslt\spectra.d
Injection Date: 12-Mar-2024 14:48:30
Spectrum: Tune Spec :Average 438-440(4.55-4.56) Bgrd 429(4.49)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 75

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1255	62.00	4886	91.00	436	141.00	806
37.00	5686	63.00	4270	92.00	2519	142.00	318
38.00	6009	67.00	371	93.00	4241	143.00	1303
39.00	2383	68.00	9526	94.00	11042	145.00	252
40.00	1342	69.00	8886	95.00	88256	149.00	172
44.00	1175	70.00	687	96.00	5364	157.00	174
45.00	1364	72.00	339	97.00	187	168.00	164
47.00	2182	73.00	4464	104.00	311	171.00	272
48.00	871	74.00	13925	106.00	337	172.00	393
49.00	6627	75.00	44408	108.00	140	173.00	370
50.00	28672	76.00	4117	116.00	160	174.00	74152
51.00	9615	77.00	366	117.00	853	175.00	5493
52.00	195	78.00	254	118.00	348	176.00	72024
55.00	135	79.00	2358	119.00	251	177.00	4877
56.00	1915	80.00	821	121.00	144	178.00	142
57.00	3473	81.00	3019	130.00	179	207.00	155
58.00	178	82.00	649	131.00	229	214.00	133
60.00	1187	87.00	4072	135.00	158	215.00	139
61.00	5526	88.00	4519	140.00	179		

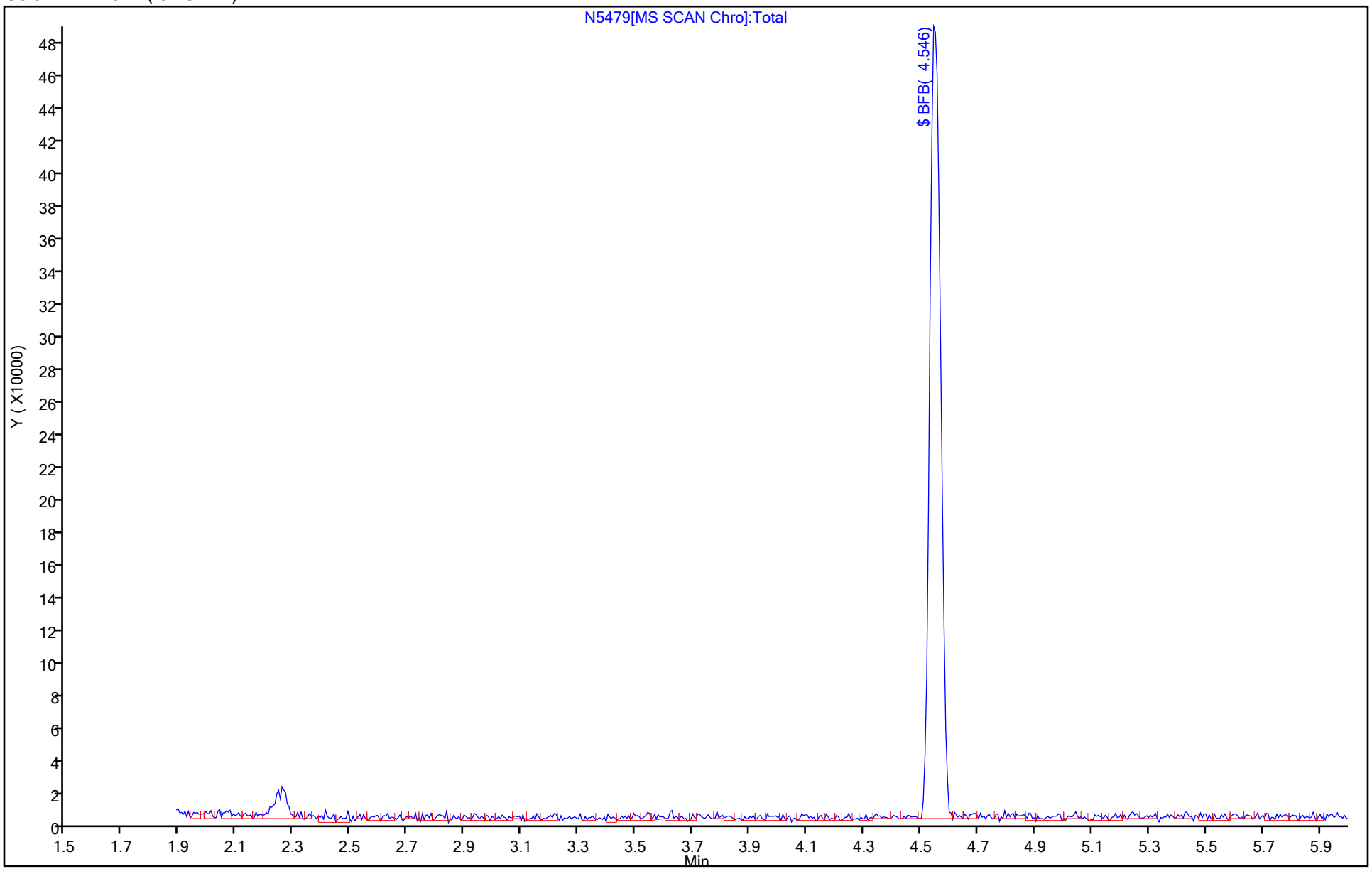
Report Date: 13-Mar-2024 10:20:12 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5479.d

Injection Date:	12-Mar-2024 14:48:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	BFB			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5761.d
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 22-Mar-2024 10:46:30 ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0116891-003
Operator ID: CC Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Mar-2024 11:28:42 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1655

First Level Reviewer: TJ9E Date: 22-Mar-2024 11:28:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 4 BFB	95	4.540	4.540	0.000	79	130283	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

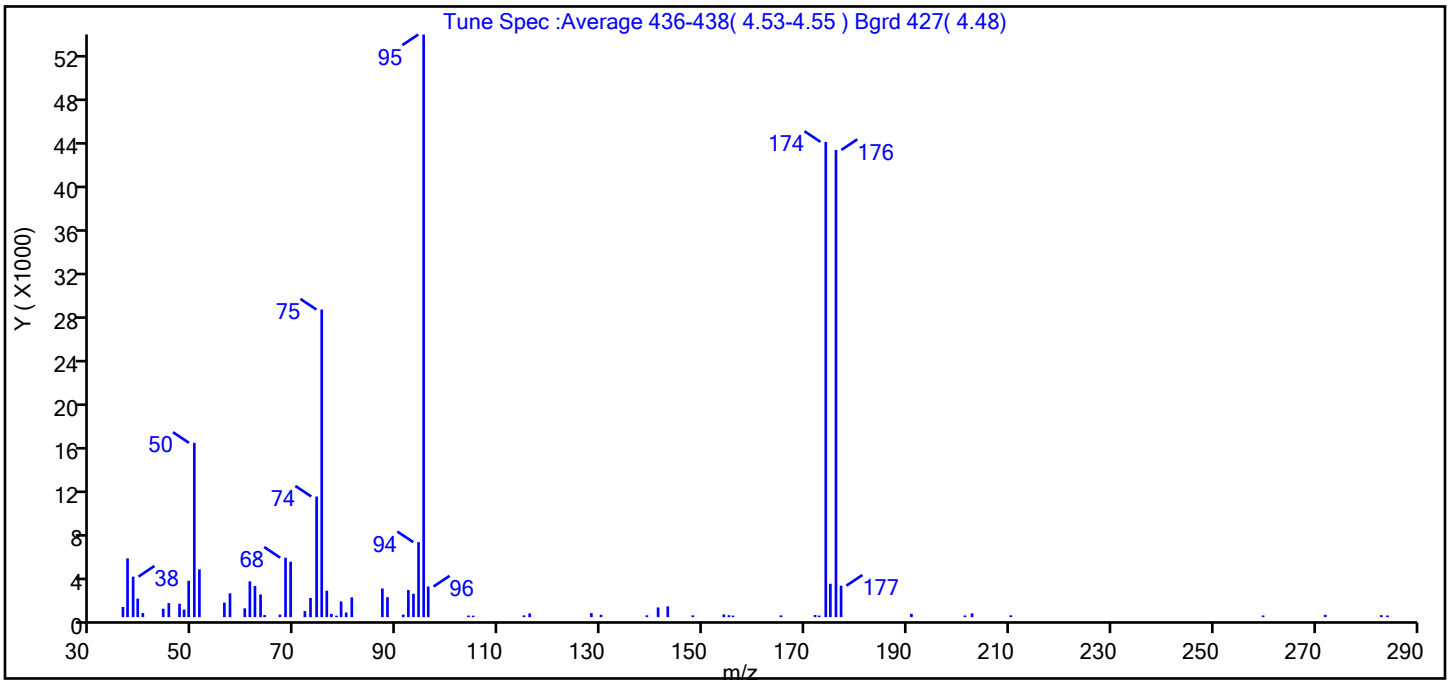
BFB_WRK_00158 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5761.d
Injection Date: 22-Mar-2024 10:46:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: CC ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	29.9
75	30 to 60% of m/z 95	52.8
96	5 to 9% of m/z 95	5.3
173	Less than 2% of m/z 174	0.3 (0.3)
174	50 to 120% of m/z 95	81.6
175	5 to 9% of m/z 174	5.7 (7.0)
176	Greater than 95% but less than 101% of m/z 174	80.2 (98.3)
177	5 to 9% of m/z 176	5.4 (6.7)

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5761.d\N-8260.rslt\spectra.d
Injection Date: 22-Mar-2024 10:46:30
Spectrum: Tune Spec :Average 436-438(4.53-4.55) Bgrd 427(4.48)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 68

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	942	63.00	2100	91.00	235	155.00	182
37.00	5443	64.00	190	92.00	2503	156.00	142
38.00	3752	67.00	234	93.00	2171	165.00	163
39.00	1716	68.00	5503	94.00	6946	172.00	200
40.00	375	69.00	5133	95.00	53952	173.00	144
44.00	780	72.00	560	96.00	2836	174.00	44008
45.00	1299	73.00	1774	104.00	150	175.00	3088
47.00	1244	74.00	11168	105.00	138	176.00	43256
48.00	705	75.00	28480	115.00	166	177.00	2914
49.00	3369	76.00	2453	116.00	345	191.00	310
50.00	16138	77.00	302	128.00	375	201.00	154
51.00	4424	78.00	136	130.00	220	203.00	347
56.00	1351	79.00	1456	139.00	172	210.00	170
57.00	2204	80.00	425	141.00	899	260.00	152
60.00	819	81.00	1832	143.00	1000	272.00	215
61.00	3310	87.00	2654	148.00	165	283.00	185
62.00	2882	88.00	1849	154.00	251	284.00	155

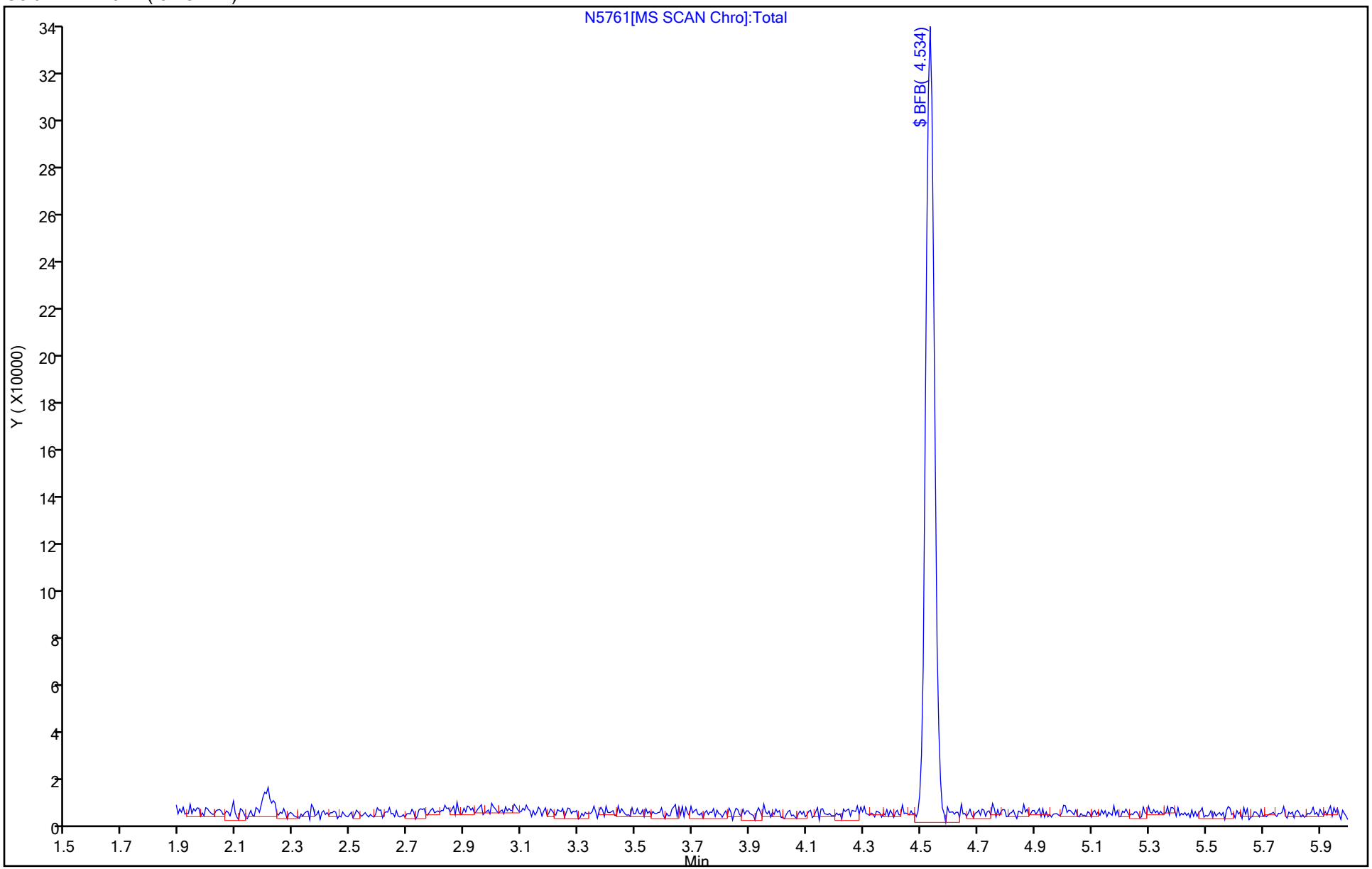
Report Date: 22-Mar-2024 11:28:43 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5761.d

Injection Date:	22-Mar-2024 10:46:30	Instrument ID:	HP5973N	Operator ID:	CC
Lims ID:	BFB			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6720.d				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	25-Mar-2024 21:25:30	ALS Bottle#:	1	Worklist Smp#:	5
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0116934-005				
Operator ID:	cdc	Instrument ID:	HP5973S		
Method:	\\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	25-Mar-2024 21:55:48	Calib Date:	14-Mar-2024 23:57:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20240314-116755.b\S6399.d				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1691				
First Level Reviewer: G0BW		Date:	25-Mar-2024 21:55:48		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.157	3.157	0.000	0	191626	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

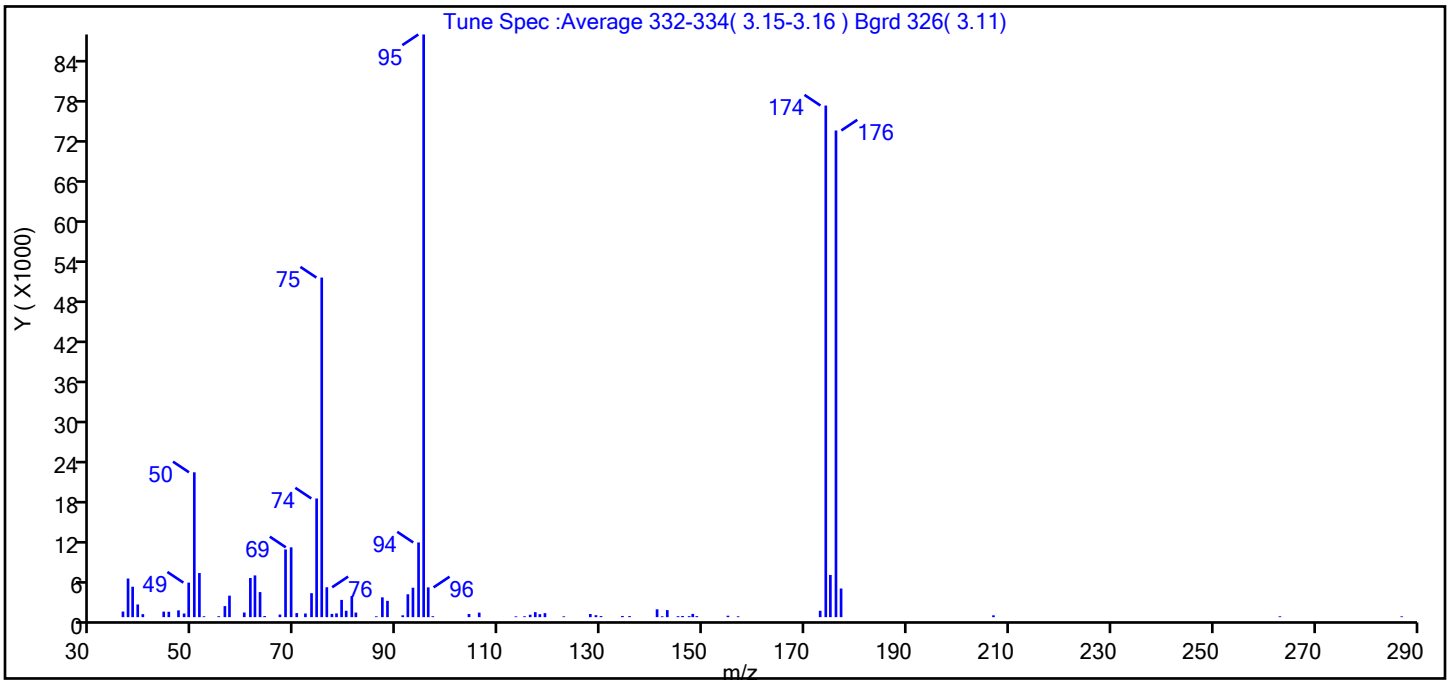
BFB_WRK_00158 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6720.d
Injection Date: 25-Mar-2024 21:25:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: cdc ALS Bottle#: 1 Worklist Smp#: 5
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	24.9
75	30 to 60% of m/z 95	58.3
96	5 to 9% of m/z 95	5.1
173	Less than 2% of m/z 174	1.1 (1.2)
174	50 to 120% of m/z 95	87.8
175	5 to 9% of m/z 174	7.2 (8.2)
176	Greater than 95% but less than 101% of m/z 174	83.5 (95.1)
177	5 to 9% of m/z 176	4.9 (5.9)

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6720.d\S-8260.rslt\spectra.d
Injection Date: 25-Mar-2024 21:25:30
Spectrum: Tune Spec :Average 332-334(3.15-3.16) Bgrd 326(3.11)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 78

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	845	64.00	164	92.00	3440	141.00	1178
37.00	5809	67.00	388	93.00	4425	142.00	126
38.00	4572	68.00	10177	94.00	11231	143.00	1059
39.00	1910	69.00	10499	95.00	87632	145.00	142
40.00	452	70.00	612	96.00	4478	146.00	176
44.00	827	72.00	547	97.00	140	147.00	146
45.00	808	73.00	3606	104.00	472	148.00	489
47.00	1019	74.00	17848	106.00	677	149.00	153
48.00	541	75.00	51072	113.00	118	155.00	213
49.00	5191	76.00	4495	115.00	131	157.00	127
50.00	21784	77.00	486	116.00	363	173.00	957
51.00	6634	78.00	559	117.00	756	174.00	76944
52.00	130	79.00	2591	118.00	451	175.00	6346
55.00	141	80.00	958	119.00	601	176.00	73192
56.00	1662	81.00	3157	123.00	122	177.00	4305
57.00	3232	82.00	687	128.00	473	207.00	272
60.00	695	86.00	126	129.00	297	263.00	128
61.00	5884	87.00	2977	130.00	159	287.00	118
62.00	6277	88.00	2450	134.00	177		
63.00	3769	91.00	275	136.00	157		

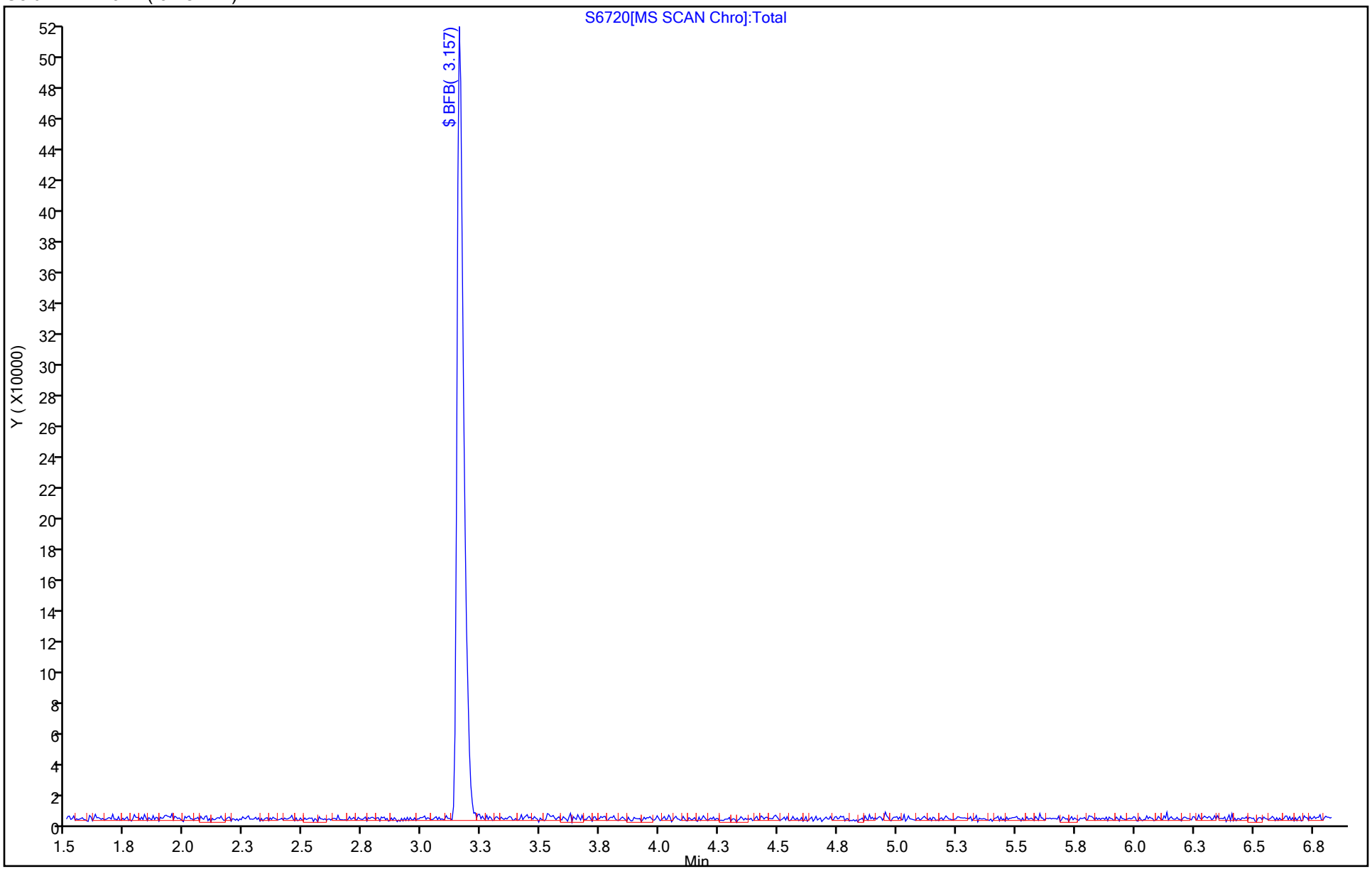
Report Date: 25-Mar-2024 21:55:49 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6720.d

Injection Date:	25-Mar-2024 21:25:30	Instrument ID:	HP5973S	Operator ID:	cdc
Lims ID:	BFB			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6748.d				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	26-Mar-2024 12:39:30	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0116943-003				
Operator ID:	ZN/RS	Instrument ID:	HP5973S		
Method:	\\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	26-Mar-2024 13:21:12	Calib Date:	26-Mar-2024 05:09:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6740.d				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1606				
First Level Reviewer: QR3Z		Date:	26-Mar-2024 13:21:12		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.157	3.157	0.000	0	184769	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

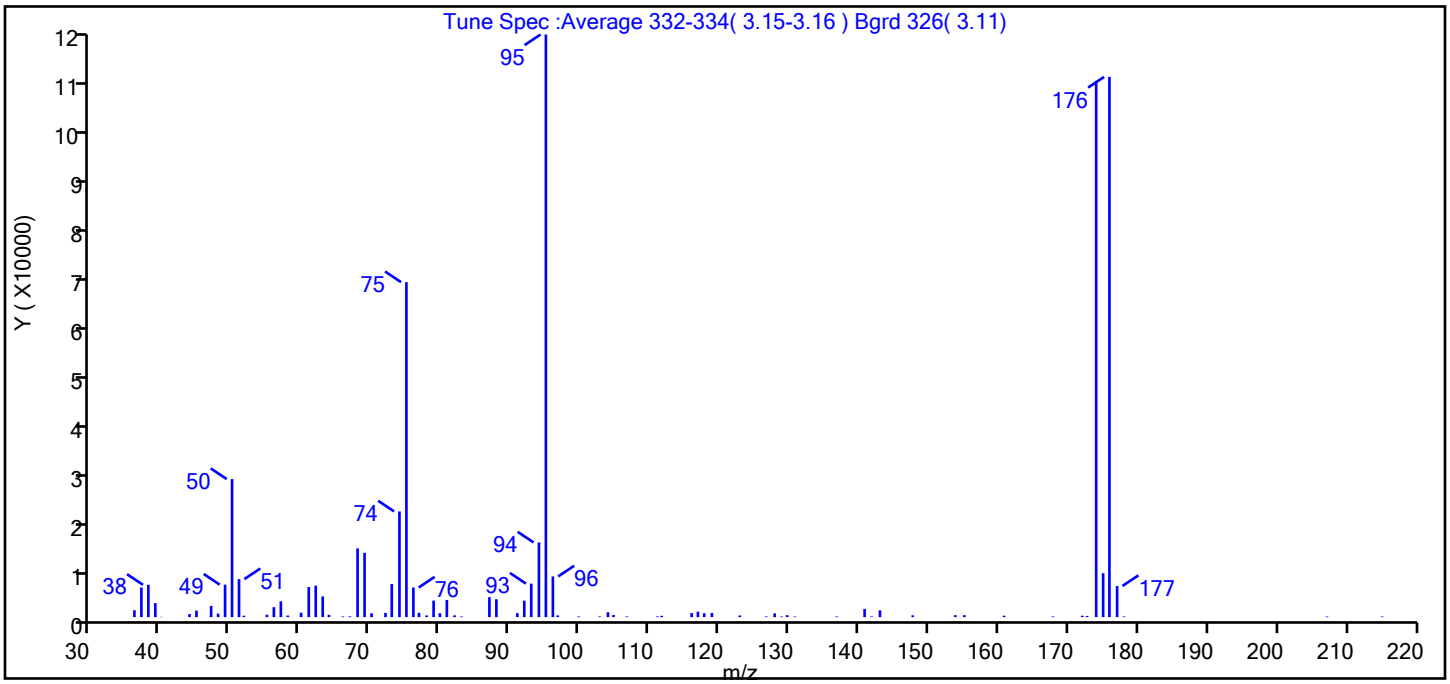
BFB_WRK_00158 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6748.d
Injection Date: 26-Mar-2024 12:39:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: ZN/RS ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	23.7
75	30 to 60% of m/z 95	57.5
96	5 to 9% of m/z 95	7.0
173	Less than 2% of m/z 174	0.2 (0.2)
174	50 to 120% of m/z 95	92.0
175	5 to 9% of m/z 174	7.5 (8.2)
176	Greater than 95% but less than 101% of m/z 174	92.7 (100.7)
177	5 to 9% of m/z 176	5.3 (5.8)

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6748.d\S-8260.rslt\spectra.d
Injection Date: 26-Mar-2024 12:39:30
Spectrum: Tune Spec :Average 332-334(3.15-3.16) Bgrd 326(3.11)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 83

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1311	64.00	435	92.00	3141	130.00	382
37.00	5639	66.00	135	93.00	6384	131.00	128
38.00	6152	67.00	156	94.00	14220	137.00	138
39.00	2677	68.00	13078	95.00	110936	141.00	1563
40.00	59	69.00	12249	96.00	7753	142.00	132
44.00	583	70.00	732	97.00	331	143.00	1287
45.00	1236	72.00	803	100.00	138	148.00	347
47.00	2140	73.00	6296	103.00	136	154.00	379
48.00	664	74.00	20128	104.00	919	155.00	387
49.00	6185	75.00	63776	105.00	408	161.00	275
50.00	26288	76.00	5645	107.00	141	168.00	131
51.00	7239	77.00	830	111.00	137	172.00	271
52.00	275	78.00	328	112.00	260	173.00	234
55.00	452	79.00	3147	116.00	774	174.00	102096
56.00	1897	80.00	750	117.00	1048	175.00	8368
57.00	3003	81.00	3271	118.00	729	176.00	102856
58.00	308	82.00	349	119.00	803	177.00	5931
60.00	849	83.00	130	123.00	318	178.00	134
61.00	5729	87.00	3807	127.00	137	207.00	128
62.00	5997	88.00	3412	128.00	709	215.00	126
63.00	3940	91.00	762	129.00	128		

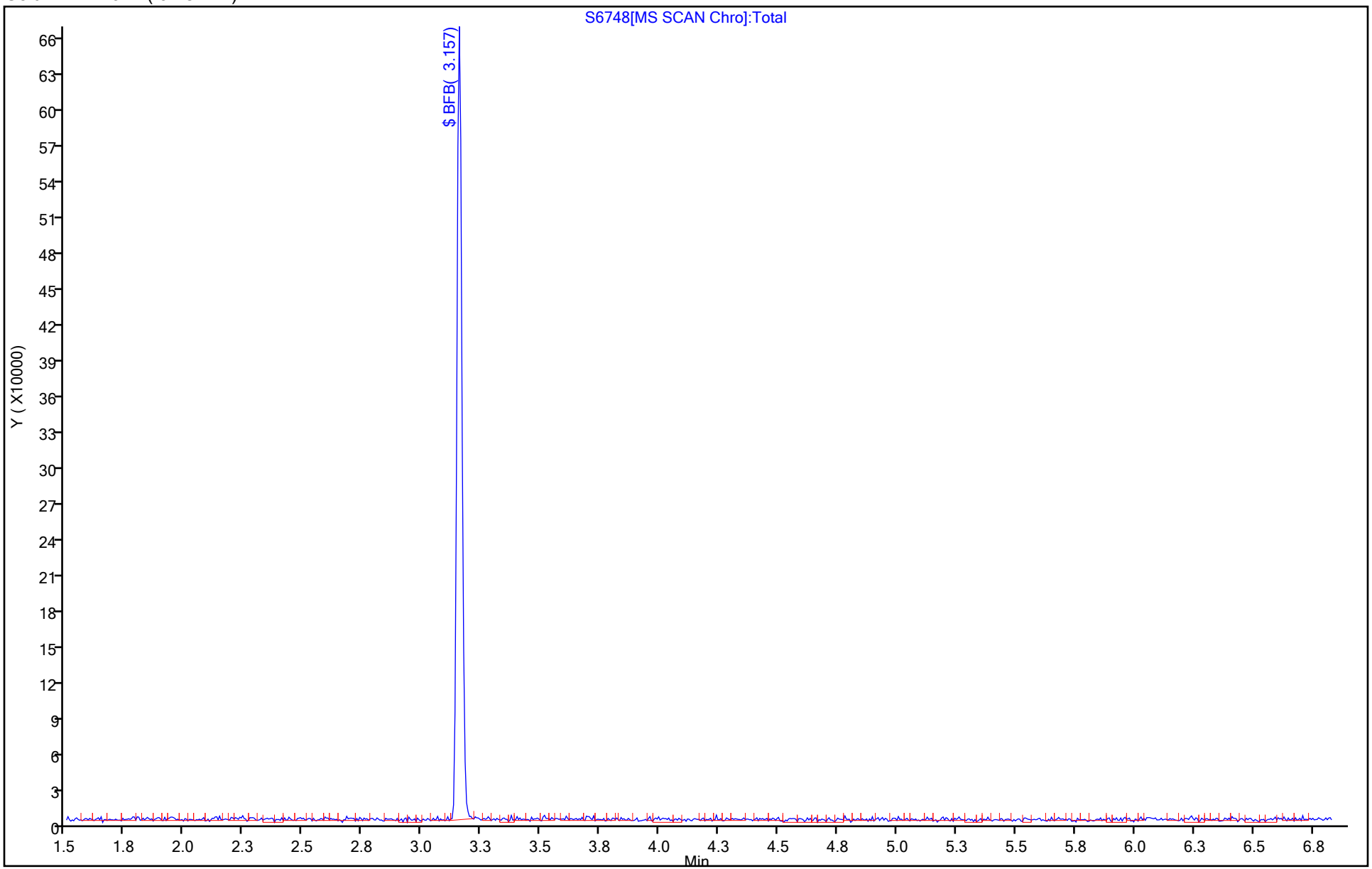
Report Date: 26-Mar-2024 13:21:12 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6748.d

Injection Date:	26-Mar-2024 12:39:30	Instrument ID:	HP5973S	Operator ID:	ZN/RS
Lims ID:	BFB			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2829.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	12-Mar-2024 19:07:53	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0116718-005				
Operator ID:	cdc	Instrument ID:	HP5977K		
Method:	\\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K-8260 WATER.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	13-Mar-2024 11:02:54	Calib Date:	13-Mar-2024 02:41:36		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2849.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1666				
First Level Reviewer: G0BW		Date:	12-Mar-2024 19:18:35		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 5 BFB	95	4.627	4.627	0.000	0	290243	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

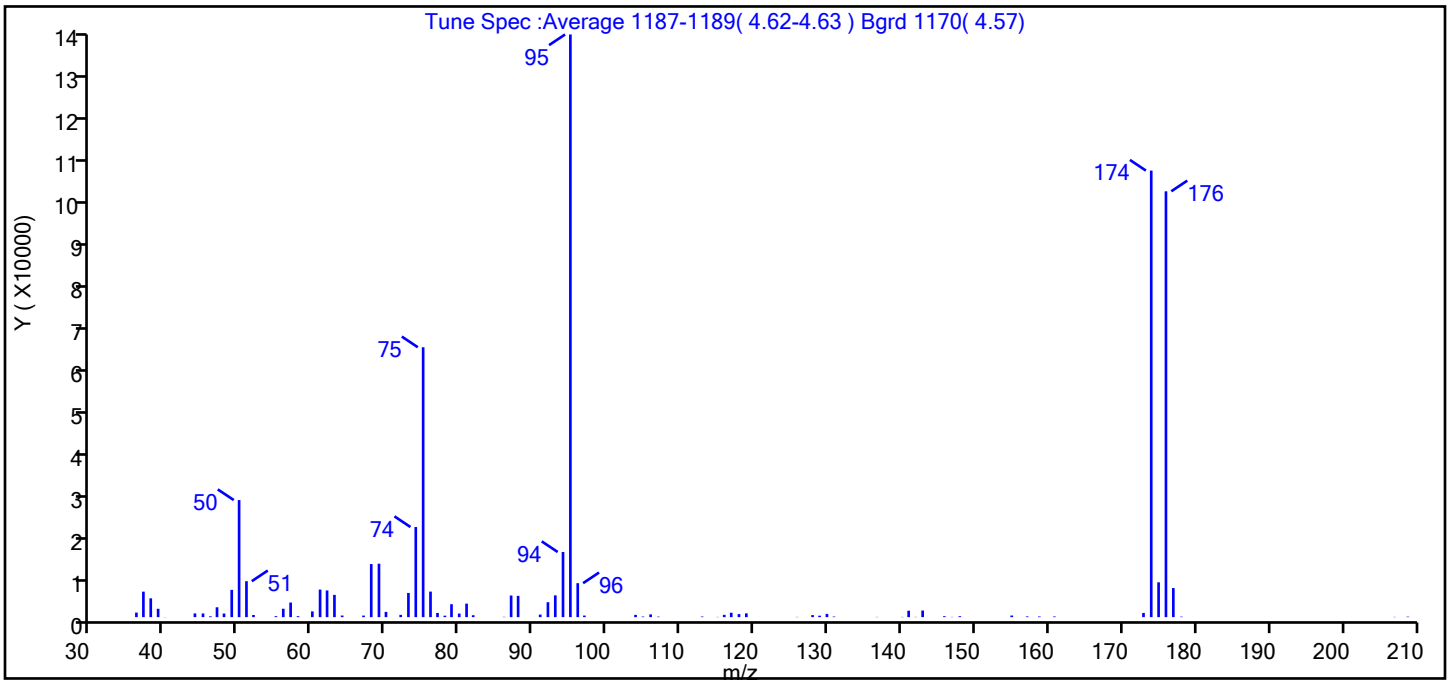
BFB_WRK_00158 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2829.D
Injection Date: 12-Mar-2024 19:07:53 Instrument ID: HP5977K
Lims ID: BFB
Client ID:
Operator ID: cdc ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.1
75	30 to 60% of m/z 95	46.3
96	5 to 9% of m/z 95	5.8
173	Less than 2% of m/z 174	0.7 (0.9)
174	50 to 120% of m/z 95	76.6
175	5 to 9% of m/z 174	6.0 (7.8)
176	Greater than 95% but less than 101% of m/z 174	73.1 (95.4)
177	5 to 9% of m/z 176	5.0 (6.8)

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2829.D\K-8260 WATER.rslt\spectra.d
Injection Date: 12-Mar-2024 19:07:53
Spectrum: Tune Spec :Average 1187-1189(4.62-4.63) Bgrd 1170(4.57)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 83

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1057	63.00	5157	92.00	3459	137.00	54
37.00	5909	64.00	375	93.00	5048	140.00	51
38.00	4361	67.00	363	94.00	15096	141.00	1491
39.00	1937	68.00	12301	95.00	135040	142.00	52
40.00	34	69.00	12384	96.00	7872	143.00	1536
44.00	863	70.00	1219	97.00	369	146.00	211
45.00	858	72.00	527	104.00	522	147.00	54
46.00	190	73.00	5605	105.00	135	148.00	211
47.00	2287	74.00	20888	106.00	638	155.00	376
48.00	837	75.00	62552	107.00	113	157.00	168
49.00	6320	76.00	5920	113.00	142	159.00	154
50.00	27136	77.00	974	115.00	53	161.00	154
51.00	8333	78.00	337	116.00	532	173.00	971
52.00	501	79.00	2999	117.00	1023	174.00	103496
55.00	221	80.00	832	118.00	709	175.00	8072
56.00	1949	81.00	3132	119.00	873	176.00	98696
57.00	3383	82.00	445	126.00	55	177.00	6741
58.00	218	86.00	68	128.00	472	178.00	113
60.00	1336	87.00	5014	129.00	339	207.00	59
61.00	6388	88.00	4930	130.00	754	209.00	114
62.00	6188	91.00	594	131.00	134		

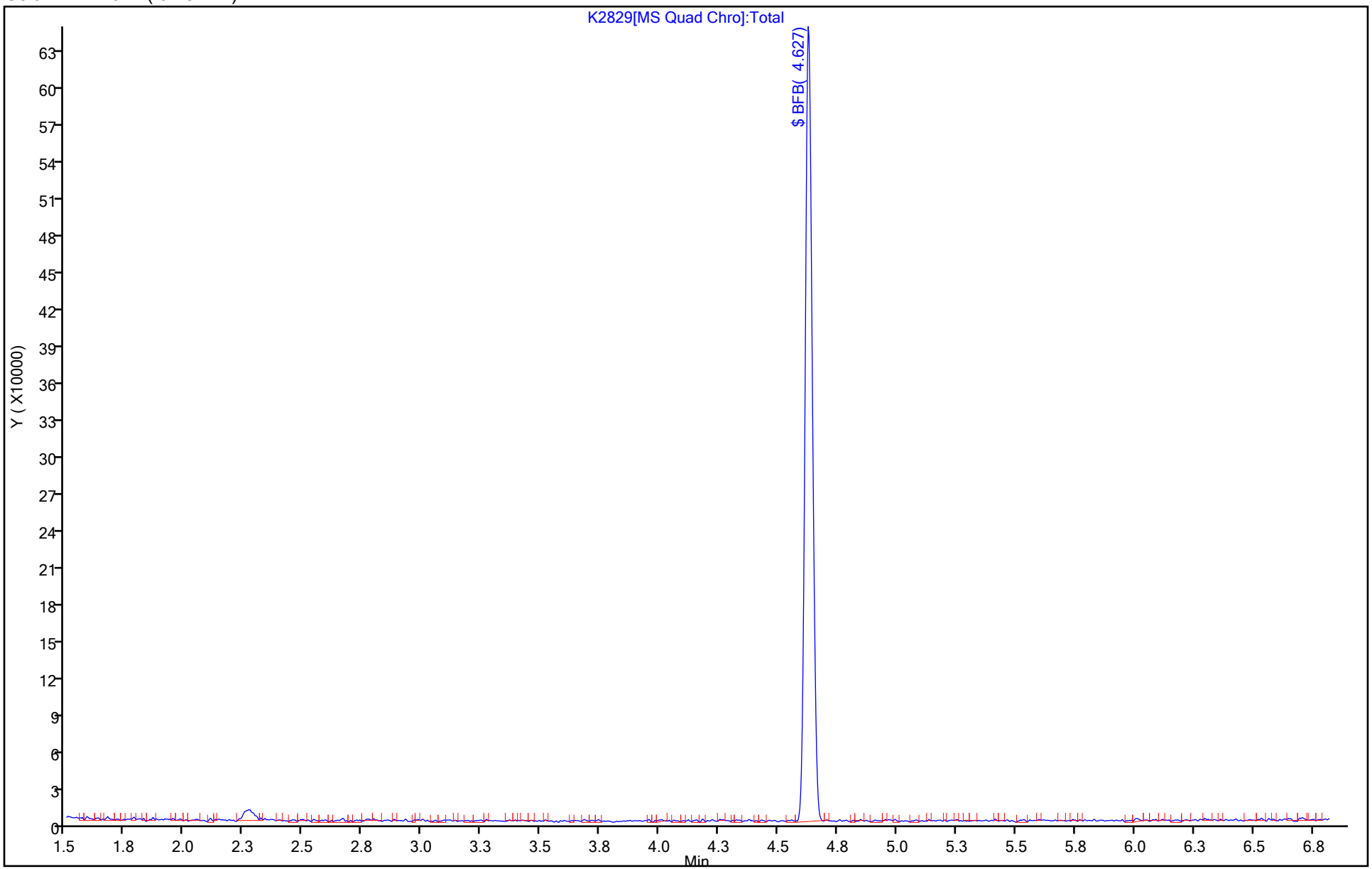
Report Date: 13-Mar-2024 11:02:55 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2829.D

Injection Date:	12-Mar-2024 19:07:53	Instrument ID:	HP5977K	Operator ID:	cdc
Lims ID:	BFB			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K3146.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 22-Mar-2024 22:44:39 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0116903-003
Operator ID: LH Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Mar-2024 11:30:13 Calib Date: 13-Mar-2024 02:41:36
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2849.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: WLL8 Date: 25-Mar-2024 11:30:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 5 BFB	95	4.669	4.669	0.000	0	946716	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

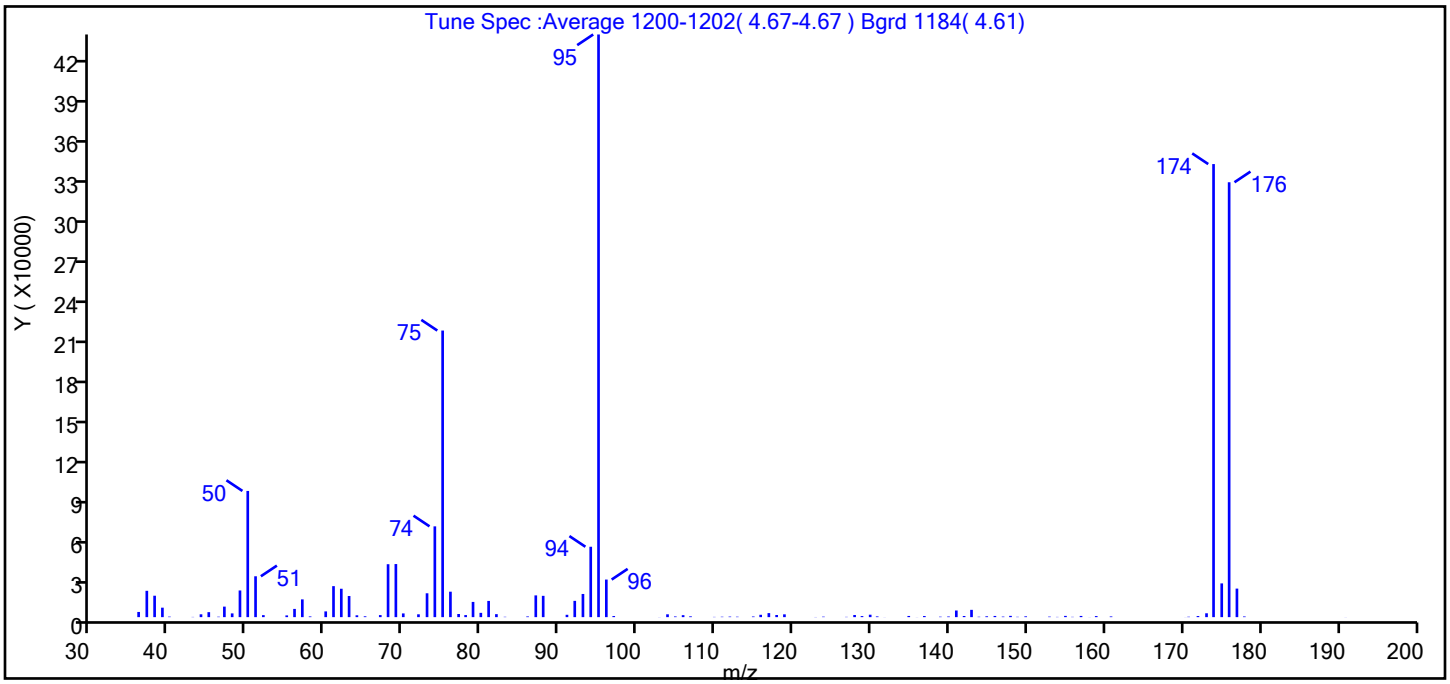
BFB_WRK_00158 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K3146.D
Injection Date: 22-Mar-2024 22:44:39 Instrument ID: HP5977K
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.7
75	30 to 60% of m/z 95	49.2
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.7 (0.9)
174	50 to 120% of m/z 95	77.8
175	5 to 9% of m/z 174	5.8 (7.4)
176	Greater than 95% but less than 101% of m/z 174	74.6 (96.0)
177	5 to 9% of m/z 176	4.9 (6.6)

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K3146.D\K-8260 WATER.rslt\spectra.d
Injection Date: 22-Mar-2024 22:44:39
Spectrum: Tune Spec :Average 1200-1202(4.67-4.67) Bgrd 1184(4.61)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 106

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3890	69.00	39800	106.00	1482	144.00	305
37.00	19736	70.00	2793	107.00	595	145.00	639
38.00	16057	72.00	2130	110.00	182	146.00	895
39.00	7099	73.00	17888	111.00	314	147.00	406
40.00	382	74.00	68064	112.00	420	148.00	963
43.00	164	75.00	214848	113.00	331	149.00	246
44.00	2125	76.00	19080	115.00	486	150.00	604
45.00	3729	77.00	2355	116.00	1766	153.00	398
46.00	326	78.00	1546	117.00	3023	154.00	180
47.00	7890	79.00	11412	118.00	1612	155.00	939
48.00	2814	80.00	3218	119.00	2106	156.00	220
49.00	20000	81.00	12158	123.00	117	157.00	903
50.00	94608	82.00	2246	124.00	364	158.00	57
51.00	30640	83.00	259	127.00	208	159.00	803
52.00	1499	86.00	526	128.00	1593	161.00	531
55.00	1306	87.00	16308	129.00	793	170.00	50
56.00	6169	88.00	15974	130.00	1828	171.00	303
57.00	13320	91.00	1768	131.00	544	172.00	824
58.00	526	92.00	12204	132.00	58	173.00	2901
60.00	4310	93.00	17376	135.00	891	174.00	339648
61.00	23248	94.00	52768	136.00	54	175.00	25296
62.00	21288	95.00	436800	137.00	822	176.00	326016
63.00	15840	96.00	28176	139.00	345	177.00	21392
64.00	1383	97.00	819	140.00	478	178.00	508
65.00	632	103.00	71	141.00	4979	191.00	52
67.00	1534	104.00	2125	142.00	847		
68.00	39680	105.00	515	143.00	5472		

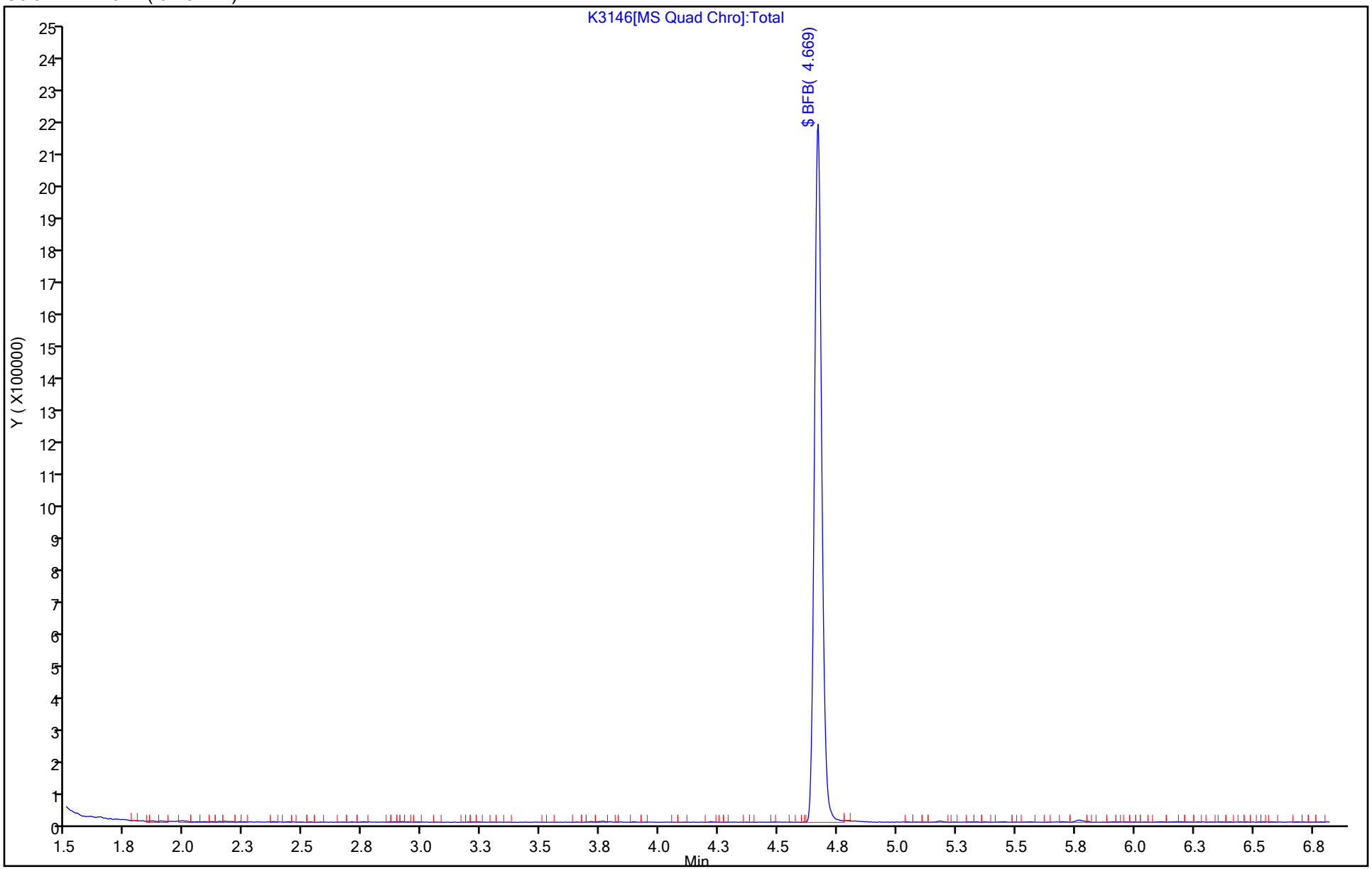
Report Date: 25-Mar-2024 11:30:14 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K3146.D

Injection Date:	22-Mar-2024 22:44:39	Instrument ID:	HP5977K	Operator ID:	LH
Lims ID:	BFB			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-704702/8

Matrix: Water | Lab File ID: N5766.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 13:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704702 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-704702/8

Matrix: Water | Lab File ID: N5766.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 13:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704702 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
103-65-1	N-Propylbenzene	ND		1.0	0.69
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	79		77-120
460-00-4	4-Bromofluorobenzene (Surr)	93		73-120
1868-53-7	Dibromofluoromethane (Surr)	73	S1-	75-123
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5766.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 22-Mar-2024 13:54:30 ALS Bottle#: 9 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0116891-008
Operator ID: CC Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Mar-2024 15:26:26 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1655

First Level Reviewer: TJ9E Date: 22-Mar-2024 15:26:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.046	5.052	-0.006	98	243992	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.009	8.009	0.000	92	695446	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.443	10.443	0.001	97	381079	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.481	4.469	0.006	92	292912	25.0	18.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.779	4.779	0.000	98	400848	25.0	19.8	
$ 6 Toluene-d8 (Surr)	98	6.543	6.543	0.000	96	935811	25.0	25.6	
$ 7 4-Bromofluorobenzene (Surr)	174	9.268	9.269	0.000	84	281241	25.0	23.2	
11 Dichlorodifluoromethane	85		1.141					ND	
12 Chlorodifluoromethane	51		1.159					ND	
13 Chloromethane	50		1.287					ND	
14 Vinyl chloride	62		1.372					ND	
144 Butadiene	54		1.384					ND	
15 Bromomethane	94		1.640					ND	
16 Chloroethane	64		1.707					ND	
17 Dichlorofluoromethane	67		1.901					ND	
18 Trichlorofluoromethane	101		1.913					ND	
141 Ethanol	45		2.163					ND	
19 Ethyl ether	59		2.163					ND	
81 Propene oxide	58		2.242					ND	
20 Acrolein	56		2.321					ND	
22 1,1-Dichloroethene	96		2.364					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.364					ND	
23 Acetone	43		2.473					ND	
24 Iodomethane	142		2.510					ND	
25 Carbon disulfide	76		2.540					ND	
26 Isopropyl alcohol	45		2.656					ND	
27 3-Chloro-1-propene	41		2.710					ND	
28 Methyl acetate	43		2.759					ND	
29 Acetonitrile	40		2.765					ND	
30 Methylene Chloride	84	2.856	2.850	0.006	59	3377		0.2305	
31 2-Methyl-2-propanol	59		3.021					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.057					ND	
33 trans-1,2-Dichloroethene	96		3.069					ND	
34 Acrylonitrile	53		3.124					ND	
35 Hexane	57		3.264					ND	U
36 1,1-Dichloroethane	63		3.471					ND	
37 Isopropyl ether	45		3.495					ND	
39 Vinyl acetate	43		3.532					ND	
38 2-Chloro-1,3-butadiene	53		3.532					ND	
40 1,1-Dimethoxyethane	75		3.568					ND	
41 Tert-butyl ethyl ether	59		3.824					ND	
42 2,2-Dichloropropane	77		3.976					ND	
43 cis-1,2-Dichloroethene	96		4.018					ND	
44 2-Butanone (MEK)	43		4.049					ND	
45 Ethyl acetate	43		4.091					ND	7
46 Propionitrile	54		4.152					ND	
47 Chlorobromomethane	128		4.243					ND	
49 Tetrahydrofuran	42		4.262					ND	
48 Methacrylonitrile	67		4.262					ND	
50 Chloroform	83		4.329					ND	U
51 1,1,1-Trichloroethane	97		4.426					ND	
52 Cyclohexane	56		4.432					ND	
53 Carbon tetrachloride	117		4.566					ND	
54 1,1-Dichloropropene	75		4.578					ND	
55 Benzene	78		4.779					ND	
146 Isooctane	57		4.779					ND	
56 Isobutyl alcohol	43		4.821					ND	
57 1,2-Dichloroethane	62		4.846					ND	
58 Tert-amyl methyl ether	73		4.864					ND	
140 t-Amyl alcohol	59		4.876					ND	
59 n-Heptane	43		4.967					ND	
1 1,4-Difluorobenzene	114		5.162					ND	
60 Trichloroethene	95		5.381					ND	
61 n-Butanol	56		5.436					ND	
62 Methylcyclohexane	83		5.497					ND	
145 Ethyl acrylate	55		5.515					ND	
63 1,2-Dichloropropane	63		5.618					ND	
65 Methyl methacrylate	41		5.734					ND	
64 Dibromomethane	93		5.752					ND	
66 1,4-Dioxane	88		5.764					ND	
67 Dichlorobromomethane	83		5.910					ND	
68 2-Nitropropane	43		6.160					ND	
69 2-Chloroethyl vinyl ether	63		6.196					ND	
70 Epichlorohydrin	57		6.281					ND	
71 cis-1,3-Dichloropropene	75		6.324					ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.476					ND	U
73 Toluene	92		6.604					ND	
74 2-Methylthiophene	97		6.738					ND	
75 trans-1,3-Dichloropropene	75		6.890					ND	
76 3-Methylthiophene	97		6.902					ND	
77 Ethyl methacrylate	69		6.944					ND	
78 1,1,2-Trichloroethane	83		7.078					ND	
79 Tetrachloroethene	166		7.133					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
80 1,3-Dichloropropane	76		7.236					ND	
82 2-Hexanone	43		7.309					ND	
149 n-Butyl acetate	43		7.425					ND	
83 Chlorodibromomethane	129		7.468					ND	
84 Ethylene Dibromide	107		7.565					ND	
139 1-Chlorohexane	55	8.015	8.003	0.012	33	7880		0.1701	
86 3-Chlorobenzotrifluoride	180		8.027					ND	
85 Chlorobenzene	112		8.040					ND	
87 4-Chlorobenzotrifluoride	180		8.088					ND	
88 Ethylbenzene	91		8.137					ND	
89 1,1,1,2-Tetrachloroethane	131		8.143					ND	
90 m-Xylene & p-Xylene	106		8.259					ND	
91 o-Xylene	106		8.684					ND	
92 Styrene	104		8.715					ND	
93 Bromoform	173		8.958					ND	
94 2-Chlorobenzotrifluoride	180		9.001					ND	
95 Isopropylbenzene	105		9.068					ND	
96 Cyclohexanone	55		9.238					ND	U
97 Bromobenzene	156		9.414					ND	
98 1,1,2,2-Tetrachloroethane	83		9.493					ND	
100 N-Propylbenzene	91		9.512					ND	
99 1,2,3-Trichloropropane	110		9.518					ND	
101 trans-1,4-Dichloro-2-butene	53		9.542					ND	
102 2-Chlorotoluene	126		9.615					ND	
103 3-Chlorotoluene	126		9.682					ND	
104 1,3,5-Trimethylbenzene	105		9.700					ND	
105 4-Chlorotoluene	91		9.731					ND	
106 tert-Butylbenzene	134		10.023					ND	
108 1,2,4-Trimethylbenzene	105		10.084					ND	
107 Pentachloroethane	167		10.084					ND	
109 sec-Butylbenzene	105		10.242					ND	
110 1,3-Dichlorobenzene	146		10.370					ND	
111 4-Isopropyltoluene	119		10.388					ND	
112 Dicyclopentadiene	66		10.436					ND	
113 1,4-Dichlorobenzene	146		10.467					ND	
114 1,2,3-Trimethylbenzene	105		10.497					ND	
143 Benzyl chloride	126		10.619					ND	
115 n-Butylbenzene	91		10.783					ND	
116 1,2-Dichlorobenzene	146		10.820					ND	
117 1,2-Dibromo-3-Chloropropane	75		11.562					ND	
118 1,3,5-Trichlorobenzene	180		11.696					ND	
119 1,2,4-Trichlorobenzene	180		12.243					ND	
120 Hexachlorobutadiene	225		12.359					ND	
121 Naphthalene	128		12.456					ND	
122 1,2,3-Trichlorobenzene	180		12.657					ND	
142 2-Methylnaphthalene	142		13.375					ND	
138 1-Bromopropane	1		0.000					ND	
131 Aziridine TIC	1		0.000					ND	
133 Halothane	1		0.000					ND	
136 Ethylene oxide TIC	1		0.000					ND	
S 126 Xylenes, Total	1		30.000					ND	7
S 123 1,3-Dichloropropene, Total	1		30.000					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 125 Total BTEX	1		30.000					ND	7
S 124 1,2-Dichloroethene, Total	1		30.000					ND	7
S 151 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

N 8260 IS_00265	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00467	Amount Added:	1.00	Units: uL	Run Reagent

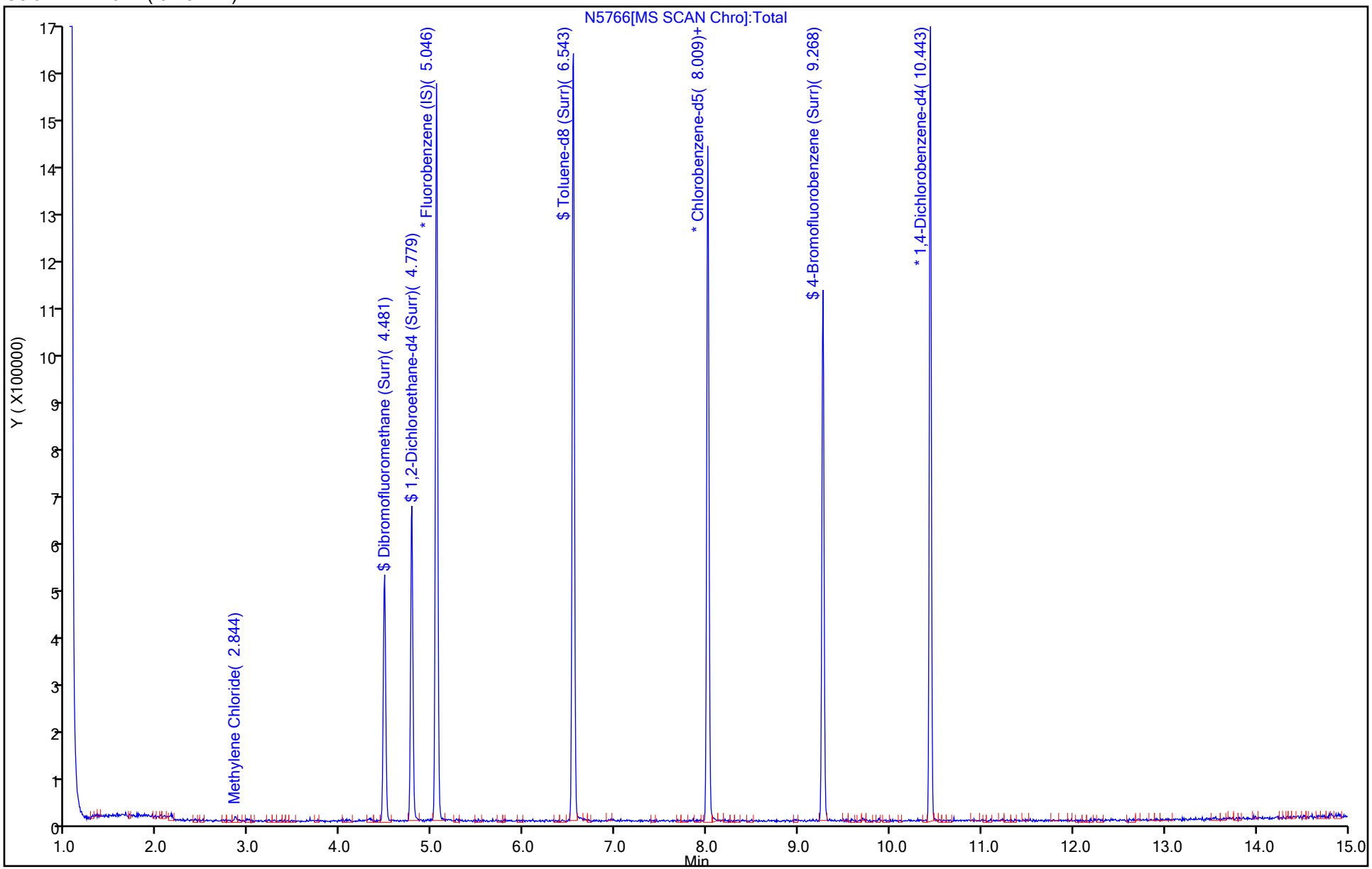
Report Date: 22-Mar-2024 15:26:27 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5766.d

Injection Date:	22-Mar-2024 13:54:30	Instrument ID:	HP5973N	Operator ID:	CC
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5766.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 22-Mar-2024 13:54:30 ALS Bottle#: 9 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0116891-008
Operator ID: CC Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Mar-2024 15:26:26 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1655

First Level Reviewer: TJ9E Date: 22-Mar-2024 15:26:26

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	18.2	72.63
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	19.8	79.07
$ 6 Toluene-d8 (Surr)	25.0	25.6	102.44
$ 7 4-Bromofluorobenzene (Surr)	25.0	23.2	92.73

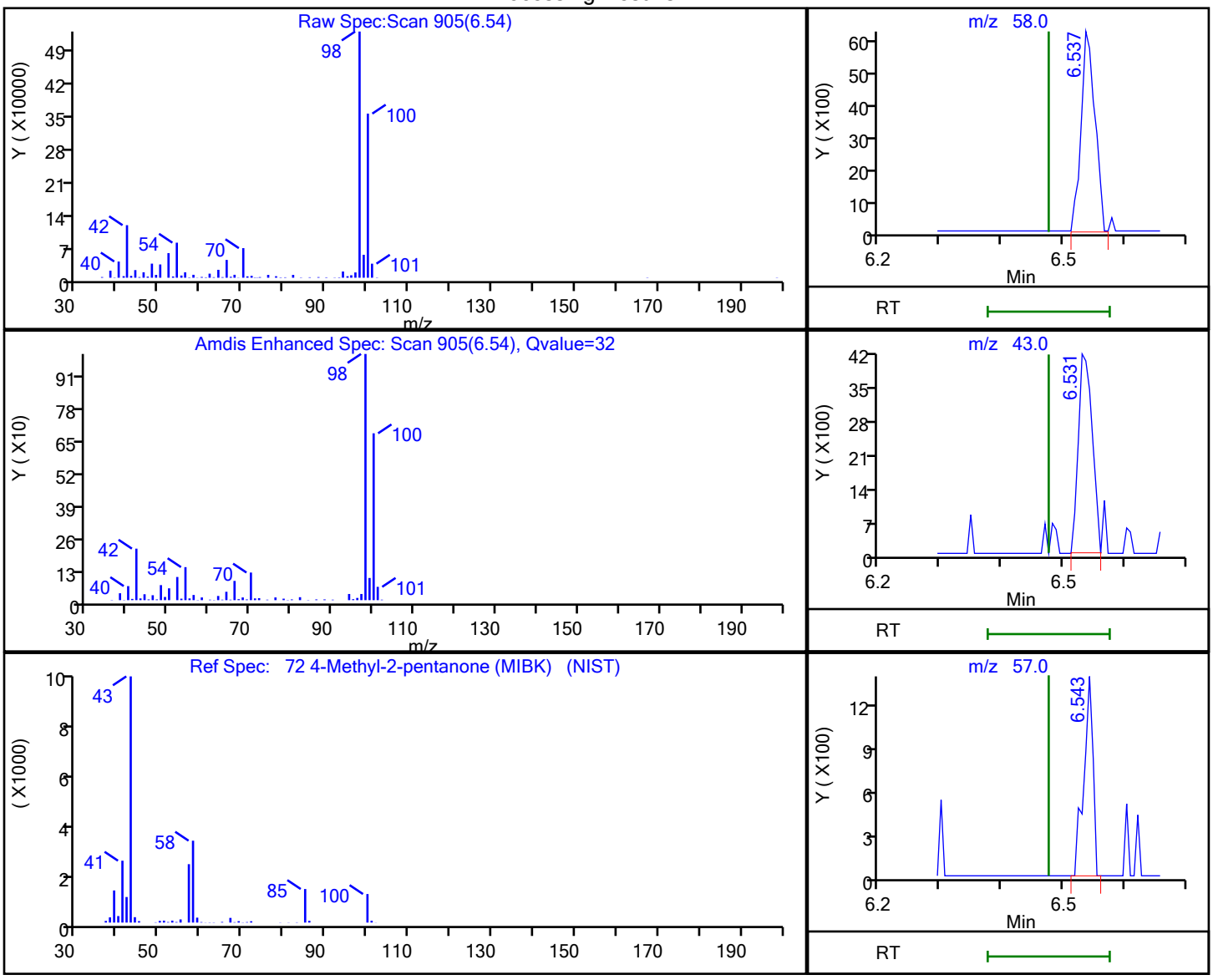
User Disabled Compound Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5766.d
Injection Date: 22-Mar-2024 13:54:30 Instrument ID: HP5973N
Lims ID: MB
Client ID:
Operator ID: CC ALS Bottle#: 9 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

72 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.54	58.00	9913	1.384044
6.53	43.00	6538	
6.54	57.00	1387	

Reviewer: TJ9E, 22-Mar-2024 15:25:29 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-704785/8

Matrix: Water | Lab File ID: K3151.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/23/2024 00:36

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704785 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-704785/8

Matrix: Water | Lab File ID: K3151.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/23/2024 00:36

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704785 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
103-65-1	N-Propylbenzene	ND		1.0	0.69
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
1868-53-7	Dibromofluoromethane (Surr)	91		75-123
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K3151.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 23-Mar-2024 00:36:46 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0116903-008
Operator ID: LH Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Mar-2024 11:39:06 Calib Date: 13-Mar-2024 02:41:36
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2849.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: WLL8 Date: 25-Mar-2024 11:39:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.343	5.340	0.003	98	147315	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.330	8.327	0.003	89	509026	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	97	257673	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.742	4.739	0.003	93	190115	25.0	22.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.047	5.044	0.003	96	220900	25.0	23.6	
$ 6 Toluene-d8 (Surr)	98	6.857	6.854	0.003	95	602222	25.0	23.5	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	86	183314	25.0	23.6	
11 Dichlorodifluoromethane	85		1.170					ND	
12 Chlorodifluoromethane	51		1.186					ND	
13 Chloromethane	50		1.337					ND	7
14 Vinyl chloride	62		1.427					ND	
151 Butadiene	54		1.456					ND	
15 Bromomethane	94		1.739					ND	
16 Chloroethane	64		1.822					ND	
18 Dichlorofluoromethane	67		2.044					ND	
17 Trichlorofluoromethane	101		2.064					ND	
148 Ethanol	45		2.330					ND	
19 Ethyl ether	59		2.343					ND	
21 Acrolein	56		2.494					ND	
22 1,1-Dichloroethene	96		2.562					ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.572					ND	
84 Propene oxide	58		2.585					ND	
23 Acetone	43		2.652					ND	U
24 Iodomethane	142		2.707					ND	
25 Carbon disulfide	76		2.758					ND	
26 Isopropyl alcohol	45		2.848					ND	
27 3-Chloro-1-propene	41		2.922					ND	
29 Acetonitrile	40		2.941					ND	
28 Methyl acetate	43		2.967					ND	
30 Methylene Chloride	84		3.060					ND	7
31 2-Methyl-2-propanol	59		3.228					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Methyl tert-butyl ether	73		3.301					ND	
32 trans-1,2-Dichloroethene	96		3.308					ND	
34 Acrylonitrile	53		3.318					ND	
35 Hexane	57		3.539					ND	
36 1,1-Dichloroethane	63		3.716					ND	
139 Halothane	117		3.758					ND	
37 Isopropyl ether	45		3.768					ND	
39 Vinyl acetate	43		3.774					ND	7
38 2-Chloro-1,3-butadiene	53		3.790					ND	
40 1,1-Dimethoxyethane	75		3.825					ND	
41 Tert-butyl ethyl ether	59		4.108					ND	
42 2,2-Dichloropropane	77		4.250					ND	
43 cis-1,2-Dichloroethene	96		4.276					ND	
44 2-Butanone (MEK)	43		4.298					ND	
45 Ethyl acetate	43		4.350					ND	
46 Propionitrile	54		4.372					ND	
49 Methacrylonitrile	41		4.501					ND	
47 Chlorobromomethane	128		4.504					ND	
48 Tetrahydrofuran	42		4.539					ND	
50 Chloroform	83		4.584					ND	7
51 1,1,1-Trichloroethane	97		4.719					ND	
52 Cyclohexane	56		4.752					ND	
53 Carbon tetrachloride	117		4.867					ND	
54 1,1-Dichloropropene	75		4.874					ND	
56 Isobutyl alcohol	43		5.067					ND	
55 Benzene	78		5.070					ND	
152 Isooctane	57		5.108					ND	
57 1,2-Dichloroethane	62		5.115					ND	
147 t-Amyl alcohol	59		5.131					ND	
58 Tert-amyl methyl ether	73		5.169					ND	
59 n-Heptane	43		5.295					ND	
1 1,4-Difluorobenzene	114		5.449					ND	
141 2,4,4-Trimethyl-1-pentene	55		5.604					ND	
60 Trichloroethene	95		5.687					ND	
61 n-Butanol	56		5.690					ND	
142 Ethyl acrylate	55		5.803					ND	U
62 Methylcyclohexane	83		5.832					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.848					ND	
63 1,2-Dichloropropane	63		5.906					ND	
64 Methyl methacrylate	41		6.022					ND	
65 Dibromomethane	93		6.038					ND	
66 1,4-Dioxane	88		6.051					ND	
67 Dichlorobromomethane	83		6.192					ND	
68 2-Nitropropane	43		6.420					ND	
69 2-Chloroethyl vinyl ether	63		6.478					ND	
70 Epichlorohydrin	57		6.552					ND	
71 cis-1,3-Dichloropropene	75		6.616					ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.758					ND	
73 Toluene	92		6.919					ND	
74 2-Methylthiophene	97		7.054					ND	
75 trans-1,3-Dichloropropene	75		7.176					ND	
76 3-Methylthiophene	97		7.214					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
77 Ethyl methacrylate	69		7.243					ND	
78 1,1,2-Trichloroethane	83		7.359					ND	
79 Tetrachloroethene	166		7.465					ND	
80 1,3-Dichloropropane	76		7.523					ND	
81 2-Hexanone	43		7.597					ND	U
155 n-Butyl acetate	43		7.726					ND	
82 Chlorodibromomethane	129		7.761					ND	
83 Ethylene Dibromide	107		7.864					ND	
146 1-Chlorohexane	55		8.324					ND	U
85 3-Chlorobenzotrifluoride	180		8.337					ND	
86 Chlorobenzene	112		8.356					ND	
87 4-Chlorobenzotrifluoride	180		8.398					ND	
89 1,1,1,2-Tetrachloroethane	131		8.449					ND	
88 Ethylbenzene	91		8.459					ND	
90 m-Xylene & p-Xylene	106		8.581					ND	
91 o-Xylene	106		9.005					ND	
92 Styrene	104		9.028					ND	
93 Bromoform	173		9.253					ND	
94 2-Chlorobenzotrifluoride	180		9.304					ND	
95 Isopropylbenzene	105		9.395					ND	
96 Cyclohexanone	55		9.526					ND	U
97 Bromobenzene	156		9.726					ND	
98 1,1,2,2-Tetrachloroethane	83		9.764					ND	
100 1,2,3-Trichloropropane	110		9.796					ND	
101 trans-1,4-Dichloro-2-butene	53		9.813					ND	
99 N-Propylbenzene	91		9.825					ND	
105 2-Chlorotoluene	126		9.922					ND	
103 3-Chlorotoluene	126		9.986					ND	
104 1,3,5-Trimethylbenzene	105		10.005					ND	
102 4-Chlorotoluene	91		10.031					ND	
106 tert-Butylbenzene	134		10.324					ND	
108 Pentachloroethane	167		10.369					ND	
107 1,2,4-Trimethylbenzene	105		10.375					ND	
109 sec-Butylbenzene	105		10.536					ND	
110 1,3-Dichlorobenzene	146		10.658					ND	
111 4-Isopropyltoluene	119		10.677					ND	
112 Dicyclopentadiene	66		10.742					ND	U
113 1,4-Dichlorobenzene	146		10.745					ND	
114 1,2,3-Trimethylbenzene	105		10.784					ND	
150 Benzyl chloride	126		10.880					ND	
115 n-Butylbenzene	91		11.060					ND	
116 1,2-Dichlorobenzene	146		11.092					ND	7
117 1,2-Dibromo-3-Chloropropane	75		11.806					ND	
118 1,3,5-Trichlorobenzene	180		11.967					ND	
119 1,2,4-Trichlorobenzene	180		12.501					ND	7
120 Hexachlorobutadiene	225		12.629					ND	7
121 Naphthalene	128	12.703	12.706	-0.003	95	3521		0.1033	
122 1,2,3-Trichlorobenzene	180		12.909					ND	
149 2-Methylnaphthalene	142	13.619	13.619	0.000	89	1635		0.0816	7
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
136 Nitrobenzene	77		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
145 Ethylene oxide TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
S 123 1,3-Dichloropropene, Total	1		30.000					ND	7
S 126 Xylenes, Total	1		30.000					ND	7
S 124 1,2-Dichloroethene, Total	1		30.000					ND	7
S 125 Total BTEX	1		30.000					ND	7
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

K WATER IS/SS_00012 Amount Added: 5.00 Units: uL Run Reagent

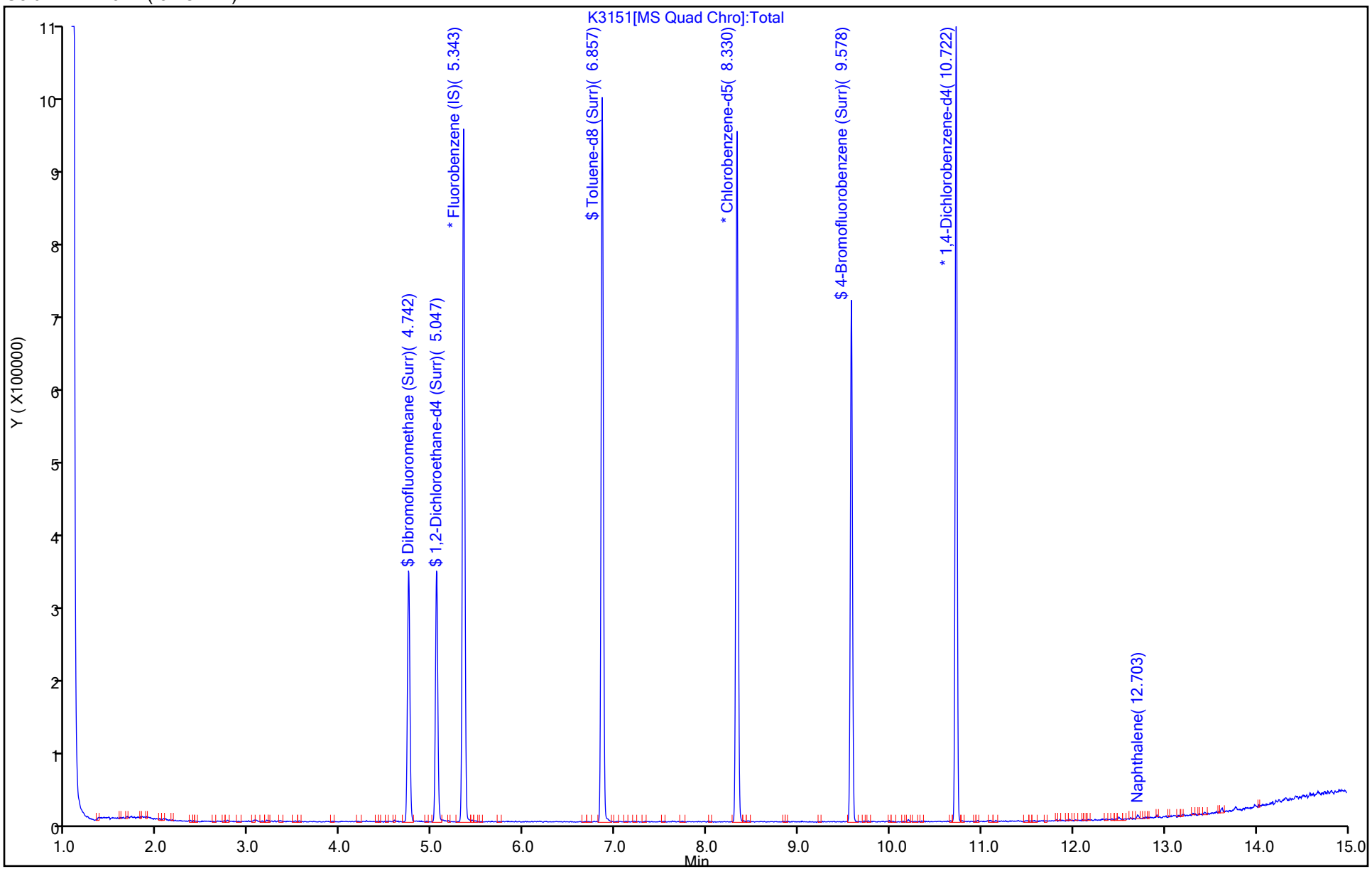
Report Date: 25-Mar-2024 11:39:07 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K3151.D

Injection Date:	23-Mar-2024 00:36:46	Instrument ID:	HP5977K	Operator ID:	LH
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K3151.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 23-Mar-2024 00:36:46 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0116903-008
Operator ID: LH Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Mar-2024 11:39:06 Calib Date: 13-Mar-2024 02:41:36
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2849.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: WLL8 Date: 25-Mar-2024 11:39:06

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	22.8	91.27
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	23.6	94.28
$ 6 Toluene-d8 (Surr)	25.0	23.5	93.94
$ 7 4-Bromofluorobenzene (Surr)	25.0	23.6	94.21

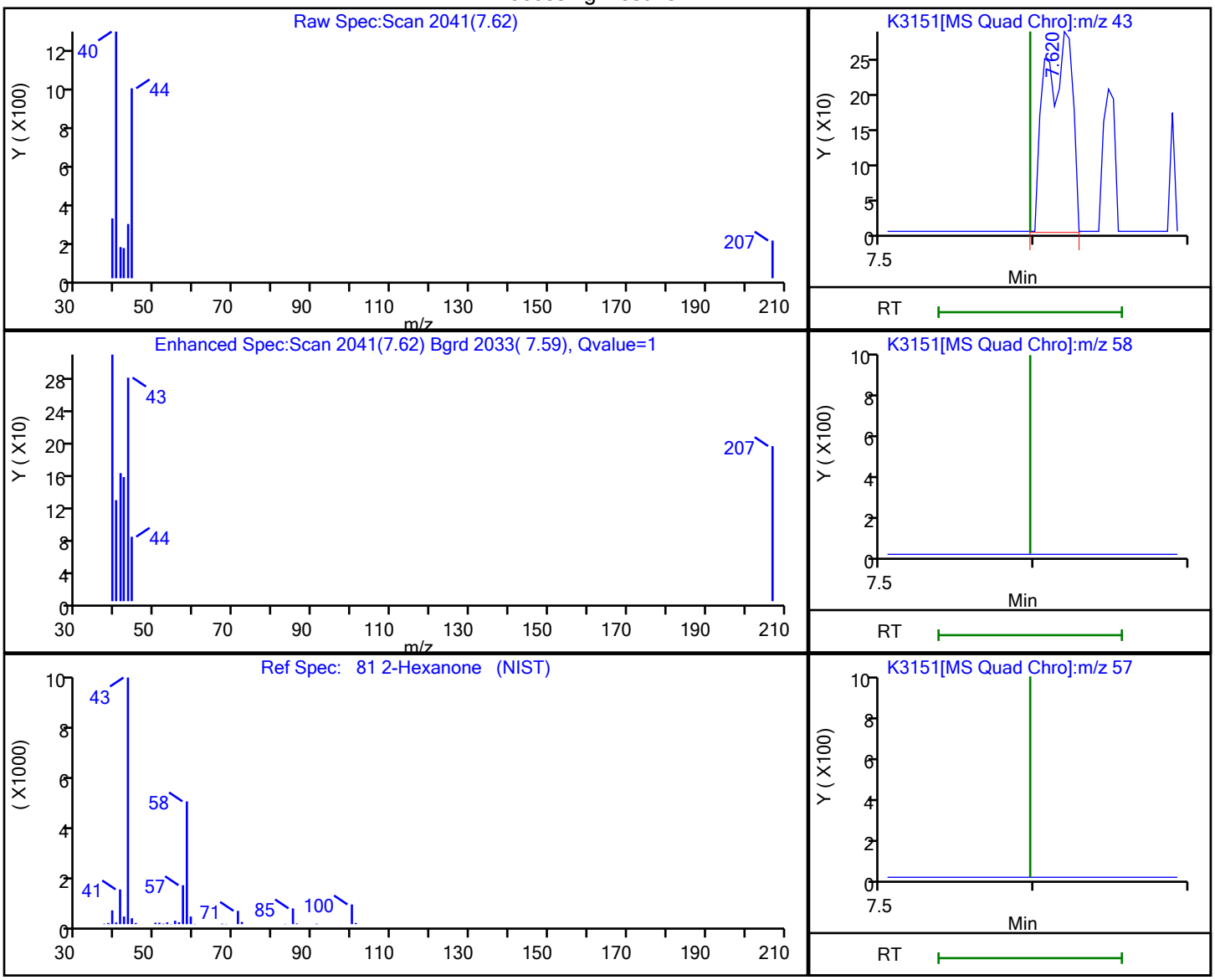
User Disabled Compound Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K3151.D
Injection Date: 23-Mar-2024 00:36:46 Instrument ID: HP5977K
Lims ID: MB
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

81 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
7.62	43.00	337	0.044895
7.60	58.00	0	
7.60	57.00	0	

Reviewer: WLL8, 25-Mar-2024 11:38:24 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

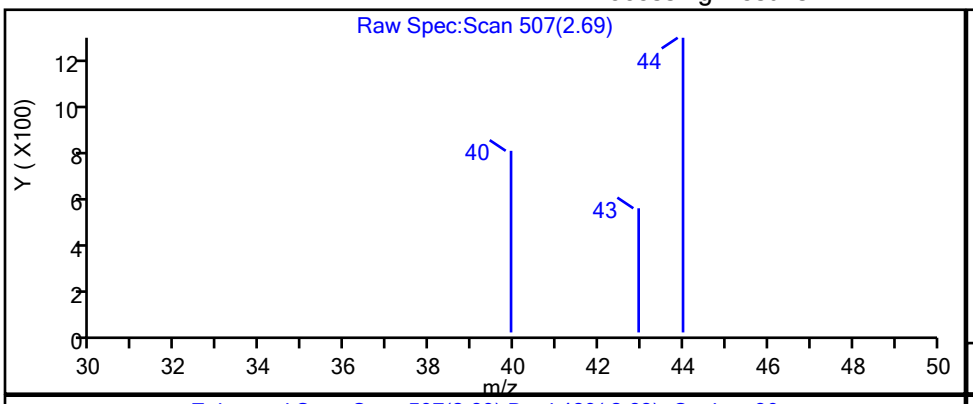
User Disabled Compound Report

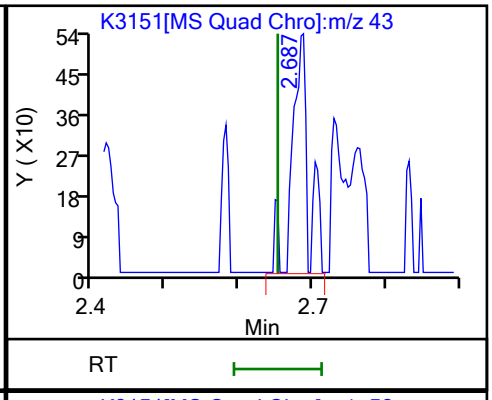
Eurofins Buffalo

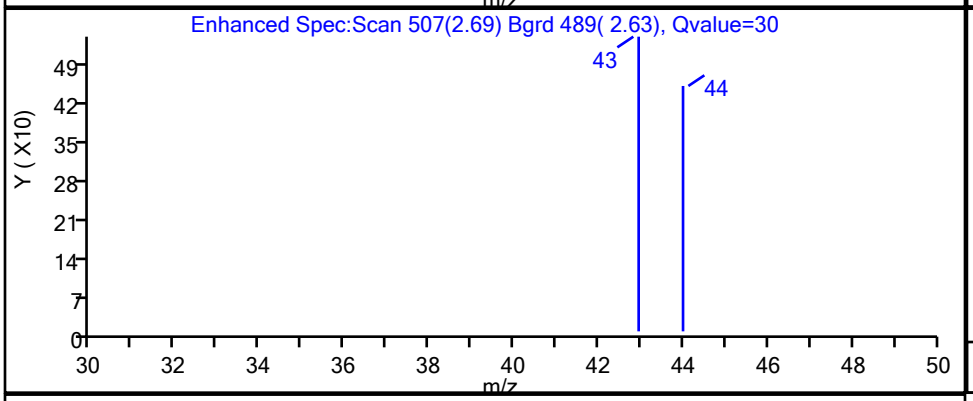
Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K3151.D
Injection Date: 23-Mar-2024 00:36:46 Instrument ID: HP5977K
Lims ID: MB
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: K-8260 WATER Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

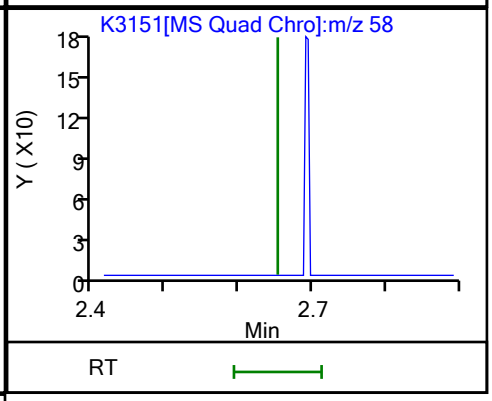
23 Acetone, CAS: 67-64-1

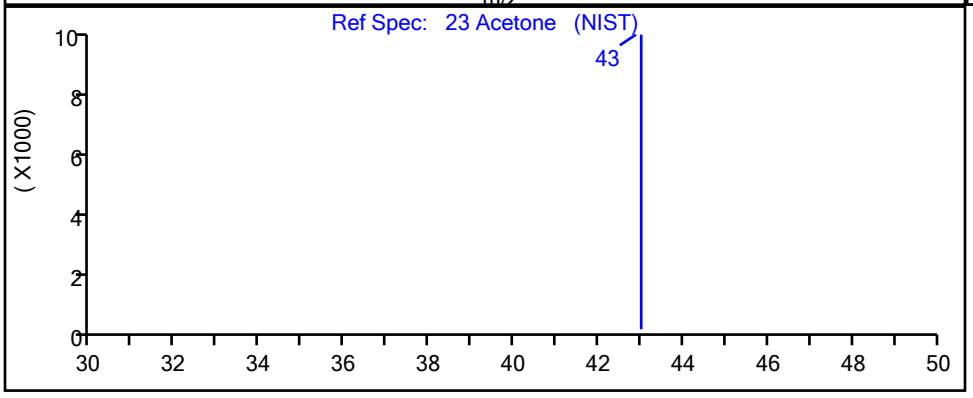
Processing Results











RT	Mass	Response	Amount
2.69	43.00	811	0.186701
2.65	58.00	0	

Reviewer: WLL8, 25-Mar-2024 11:38:34 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-705062/8

Matrix: Water | Lab File ID: S6753.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/26/2024 14:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 705062 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-705062/8

Matrix: Water | Lab File ID: S6753.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/26/2024 14:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 705062 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
103-65-1	N-Propylbenzene	ND		1.0	0.69
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6753.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 26-Mar-2024 14:54:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0116943-008
Operator ID: ZN/RS Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Mar-2024 09:03:28 Calib Date: 26-Mar-2024 05:09:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6740.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: QR3Z Date: 27-Mar-2024 09:10:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.752	4.752	0.000	98	215908	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.702	7.702	0.000	87	423505	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.148	10.154	-0.006	95	415789	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.192	4.186	0.006	63	253602	25.0	25.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.484	4.484	0.000	98	187698	25.0	25.4	
$ 5 Toluene-d8 (Surr)	98	6.242	6.242	0.000	94	995398	25.0	25.6	
$ 6 4-Bromofluorobenzene (Surr)	174	8.955	8.955	-0.001	90	325685	25.0	24.5	
10 Dichlorodifluoromethane	85		0.998					ND	
11 Chlorodifluoromethane	51		1.016					ND	
12 Chloromethane	50		1.138					ND	7
13 Vinyl chloride	62		1.211					ND	
151 Butadiene	54		1.217					ND	
14 Bromomethane	94		1.460					ND	
15 Chloroethane	64		1.503					ND	
16 Dichlorofluoromethane	67		1.692					ND	
17 Trichlorofluoromethane	101		1.698					ND	
18 Ethyl ether	59		1.905					ND	
148 Ethanol	45		1.911					ND	
19 Propene oxide	58		1.984					ND	
20 Acrolein	56		2.069					ND	
22 1,1-Dichloroethene	96		2.099					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.105					ND	
23 Acetone	43		2.215					ND	
25 Iodomethane	142		2.263					ND	
26 Carbon disulfide	76		2.282					ND	
24 Isopropyl alcohol	45		2.385					ND	
28 3-Chloro-1-propene	41		2.440					ND	
27 Methyl acetate	43		2.489					ND	
29 Acetonitrile	40		2.501					ND	
30 Methylene Chloride	84		2.580					ND	
31 2-Methyl-2-propanol	59		2.756					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		2.781					ND	
34 trans-1,2-Dichloroethene	96		2.787					ND	
33 Acrylonitrile	53		2.854					ND	
35 Hexane	57		2.975					ND	
39 1,1-Dichloroethane	63		3.188					ND	
36 Isopropyl ether	45		3.213					ND	
40 2-Chloro-1,3-butadiene	53		3.243					ND	
37 Vinyl acetate	43		3.255					ND	
38 1,1-Dimethoxyethane	75		3.280					ND	
41 Tert-butyl ethyl ether	59		3.541					ND	
44 2,2-Dichloropropane	77		3.687					ND	
45 cis-1,2-Dichloroethene	96		3.724					ND	
43 2-Butanone (MEK)	43		3.772					ND	
42 Ethyl acetate	43		3.809					ND	
139 Halothane	117		3.822					ND	
46 Propionitrile	54		3.870					ND	
48 Chlorobromomethane	128		3.955					ND	
49 Tetrahydrofuran	42		3.967					ND	
47 Methacrylonitrile	41		3.973					ND	
50 Chloroform	83		4.040					ND	
51 1,1,1-Trichloroethane	97		4.131					ND	
52 Cyclohexane	56		4.131					ND	
55 Carbon tetrachloride	117		4.265					ND	
54 1,1-Dichloropropene	75		4.283					ND	
57 Benzene	78		4.478					ND	
152 Isooctane	57		4.484					ND	
53 Isobutyl alcohol	43		4.545					ND	
58 1,2-Dichloroethane	62		4.557					ND	
56 Tert-amyl methyl ether	73		4.575					ND	
147 t-Amyl alcohol	59		4.594					ND	
59 n-Heptane	43		4.673					ND	
1 1,4-Difluorobenzene	114		4.873					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.877					ND	
62 Trichloroethene	95		5.086					ND	
60 n-Butanol	56		5.159					ND	
64 Methylcyclohexane	83		5.190					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.202					ND	
142 Ethyl acrylate	55		5.232					ND	
65 1,2-Dichloropropane	63		5.324					ND	
63 Methyl methacrylate	41		5.445					ND	
67 Dibromomethane	93		5.457					ND	
66 1,4-Dioxane	88		5.470					ND	
68 Dichlorobromomethane	83		5.622					ND	
70 2-Nitropropane	43		5.871					ND	
69 2-Chloroethyl vinyl ether	63		5.914					ND	
71 Epichlorohydrin	57		5.993					ND	
72 cis-1,3-Dichloropropene	75		6.029					ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.187					ND	U
74 Toluene	92		6.303					ND	
76 2-Methylthiophene	97		6.437					ND	
77 trans-1,3-Dichloropropene	75		6.601					ND	
78 3-Methylthiophene	97		6.601					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		6.662					ND	
79 1,1,2-Trichloroethane	83		6.784					ND	
81 Tetrachloroethene	166		6.826					ND	
82 1,3-Dichloropropane	76		6.936					ND	
80 2-Hexanone	43		7.021					ND	
155 n-Butyl acetate	43		7.143					ND	
83 Chlorodibromomethane	129		7.167					ND	
84 Ethylene Dibromide	107		7.252					ND	
146 1-Chlorohexane	55		7.702					ND	U
87 Chlorobenzene	112		7.733					ND	
85 3-Chlorobenzotrifluoride	180		7.733					ND	
86 4-Chlorobenzotrifluoride	180		7.794					ND	
88 Ethylbenzene	91		7.830					ND	
89 1,1,1,2-Tetrachloroethane	131		7.836					ND	
90 m-Xylene & p-Xylene	106		7.952					ND	
91 o-Xylene	106		8.371					ND	
92 Styrene	104		8.408					ND	
95 Bromoform	173		8.645					ND	7
93 2-Chlorobenzotrifluoride	180		8.694					ND	
94 Isopropylbenzene	105		8.761					ND	
96 Cyclohexanone	55		8.925					ND	
101 Bromobenzene	156		9.095					ND	
97 1,1,2,2-Tetrachloroethane	83		9.193					ND	
99 N-Propylbenzene	91		9.205					ND	
100 1,2,3-Trichloropropane	110		9.217					ND	
98 trans-1,4-Dichloro-2-butene	53		9.241					ND	
103 2-Chlorotoluene	126		9.302					ND	
104 3-Chlorotoluene	126		9.375					ND	
102 1,3,5-Trimethylbenzene	105		9.400					ND	
105 4-Chlorotoluene	126		9.424					ND	
106 tert-Butylbenzene	134		9.728					ND	
108 Pentachloroethane	167		9.783					ND	
107 1,2,4-Trimethylbenzene	105		9.789					ND	
109 sec-Butylbenzene	105		9.953					ND	
111 1,3-Dichlorobenzene	146		10.081					ND	
110 4-Isopropyltoluene	119		10.105					ND	
114 Dicyclopentadiene	66		10.142					ND	
113 1,4-Dichlorobenzene	146		10.172					ND	
112 1,2,3-Trimethylbenzene	105		10.209					ND	
150 Benzyl chloride	126		10.337					ND	
115 n-Butylbenzene	91		10.507					ND	
116 1,2-Dichlorobenzene	146		10.531					ND	
117 1,2-Dibromo-3-Chloropropane	75		11.291					ND	
118 1,3,5-Trichlorobenzene	180		11.419					ND	
119 1,2,4-Trichlorobenzene	180		11.967					ND	
120 Hexachlorobutadiene	225		12.088					ND	
121 Naphthalene	128		12.180					ND	
122 1,2,3-Trichlorobenzene	180		12.387					ND	
149 2-Methylnaphthalene	142		13.098					ND	U
144 1-Bromopropane TIC	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
134 Pentachloroethane TIC	1		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	7
S 123 Total BTEX	1		30.000					ND	7
S 126 1,3-Dichloropropene, Total	1		30.000					ND	7
S 124 Xylenes, Total	1		30.000					ND	7
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
U - Marked Undetected

Reagents:

S_8260_IS_00383	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00475	Amount Added:	1.00	Units: uL	Run Reagent

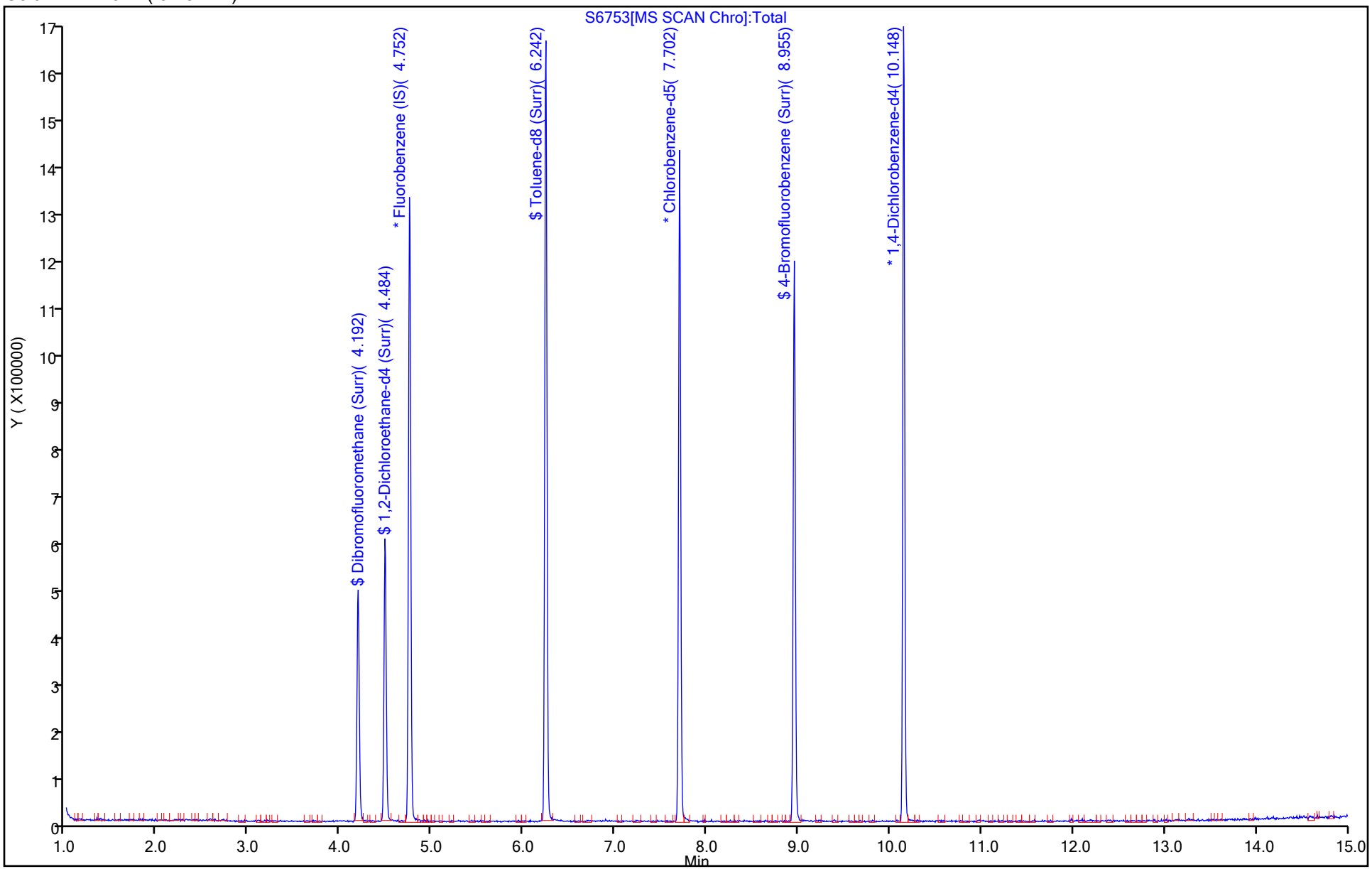
Report Date: 27-Mar-2024 09:10:59 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6753.d

Injection Date:	26-Mar-2024 14:54:30	Instrument ID:	HP5973S	Operator ID:	ZN/RS
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6753.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 26-Mar-2024 14:54:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0116943-008
Operator ID: ZN/RS Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Mar-2024 09:03:28 Calib Date: 26-Mar-2024 05:09:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6740.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: QR3Z Date: 27-Mar-2024 09:10:58

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	25.7	102.75
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.4	101.77
$ 5 Toluene-d8 (Surr)	25.0	25.6	102.43
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.5	97.92

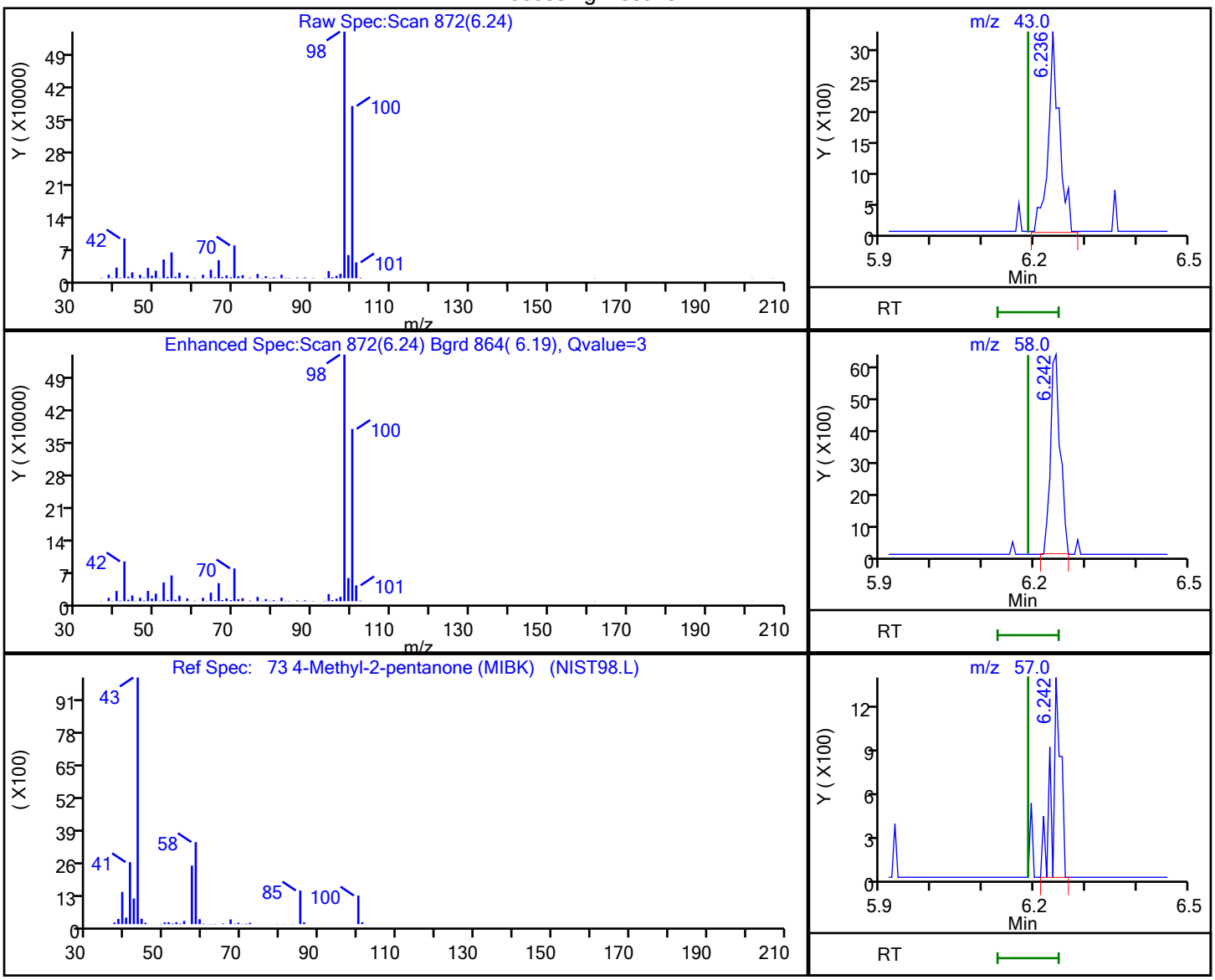
User Disabled Compound Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6753.d
Injection Date: 26-Mar-2024 14:54:30 Instrument ID: HP5973S
Lims ID: MB
Client ID:
Operator ID: ZN/RS ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.24	43.00	4899	0.285449
6.24	58.00	8397	
6.24	57.00	1573	

Reviewer: MHM2, 27-Mar-2024 08:25:07 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-704702/6

Matrix: Water | Lab File ID: N5764.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 12:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704702 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	26.0		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	30.1		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	22.5		1.0	0.31
79-00-5	1,1,2-Trichloroethane	28.1		1.0	0.23
75-34-3	1,1-Dichloroethane	24.8		1.0	0.38
75-35-4	1,1-Dichloroethene	23.0		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	29.8		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	28.7		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	31.0		1.0	0.39
106-93-4	1,2-Dibromoethane	25.4		1.0	0.73
95-50-1	1,2-Dichlorobenzene	27.3		1.0	0.79
107-06-2	1,2-Dichloroethane	23.8		1.0	0.21
78-87-5	1,2-Dichloropropane	26.1		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	28.9		1.0	0.77
541-73-1	1,3-Dichlorobenzene	25.6		1.0	0.78
106-46-7	1,4-Dichlorobenzene	26.4		1.0	0.84
78-93-3	2-Butanone (MEK)	118		10	1.3
591-78-6	2-Hexanone	134		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	148		5.0	2.1
67-64-1	Acetone	101		10	3.0
71-43-2	Benzene	25.5		1.0	0.41
75-27-4	Bromodichloromethane	26.4		1.0	0.39
75-25-2	Bromoform	25.8		1.0	0.26
74-83-9	Bromomethane	22.0		1.0	0.69
75-15-0	Carbon disulfide	25.7		1.0	0.19
56-23-5	Carbon tetrachloride	26.9		1.0	0.27
108-90-7	Chlorobenzene	25.0		1.0	0.75
75-00-3	Chloroethane	23.4		1.0	0.32
67-66-3	Chloroform	23.7		1.0	0.34
74-87-3	Chloromethane	21.3		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.2		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.7		1.0	0.36
110-82-7	Cyclohexane	25.9		1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-704702/6

Matrix: Water | Lab File ID: N5764.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 12:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704702 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	28.7		1.0	0.32
75-71-8	Dichlorodifluoromethane	23.0		1.0	0.68
100-41-4	Ethylbenzene	28.3		1.0	0.74
98-82-8	Isopropylbenzene	30.2		1.0	0.79
79-20-9	Methyl acetate	45.9		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.4		1.0	0.16
108-87-2	Methylcyclohexane	27.9		1.0	0.16
75-09-2	Methylene Chloride	22.7		1.0	0.44
103-65-1	N-Propylbenzene	30.6		1.0	0.69
100-42-5	Styrene	26.9		1.0	0.73
127-18-4	Tetrachloroethene	26.8		1.0	0.36
108-88-3	Toluene	29.0		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	24.7		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	31.1		1.0	0.37
79-01-6	Trichloroethene	24.6		1.0	0.46
75-69-4	Trichlorofluoromethane	25.7		1.0	0.88
75-01-4	Vinyl chloride	25.6		1.0	0.90
1330-20-7	Xylenes, Total	55.4		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	80		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	77		75-123
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5764.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 22-Mar-2024 12:05:30 ALS Bottle#: 7 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0116891-006
Operator ID: CC Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Mar-2024 12:22:48 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1655

First Level Reviewer: TJ9E Date: 22-Mar-2024 12:27:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.046	5.052	-0.006	97	231156	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.009	8.009	0.000	91	697683	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.443	10.443	0.001	95	384673	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.481	4.475	0.006	94	295698	25.0	19.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.773	4.779	-0.006	64	385962	25.0	20.1	
$ 6 Toluene-d8 (Surr)	98	6.537	6.543	-0.006	96	951112	25.0	25.9	
$ 7 4-Bromofluorobenzene (Surr)	174	9.268	9.268	0.000	84	288629	25.0	23.7	
11 Dichlorodifluoromethane	85	1.141	1.141	0.000	98	293297	25.0	23.0	
13 Chloromethane	50	1.287	1.287	0.000	99	481152	25.0	21.3	
14 Vinyl chloride	62	1.372	1.372	0.000	98	325279	25.0	25.6	
144 Butadiene	54	1.384	1.384	0.000	97	516551	25.0	22.6	
15 Bromomethane	94	1.633	1.640	-0.007	92	184691	25.0	22.0	
16 Chloroethane	64	1.707	1.707	0.000	95	213671	25.0	23.4	
17 Dichlorofluoromethane	67	1.901	1.901	0.000	96	552435	25.0	22.6	
18 Trichlorofluoromethane	101	1.913	1.913	0.000	58	403352	25.0	25.7	
19 Ethyl ether	59	2.163	2.163	0.000	93	370980	25.0	24.1	
20 Acrolein	56	2.327	2.321	0.006	97	83837	125.0	105.7	
22 1,1-Dichloroethene	96	2.357	2.364	-0.007	91	246637	25.0	23.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.364	2.364	0.000	94	249166	25.0	22.5	
23 Acetone	43	2.473	2.473	0.000	97	986182	125.0	101.3	
24 Iodomethane	142	2.510	2.510	0.000	100	429952	25.0	22.6	
25 Carbon disulfide	76	2.540	2.540	0.000	99	872445	25.0	25.7	
27 3-Chloro-1-propene	41	2.716	2.710	0.006	87	857920	25.0	25.6	
28 Methyl acetate	43	2.759	2.759	0.000	100	1149963	50.0	45.9	
30 Methylene Chloride	84	2.850	2.850	0.000	90	315013	25.0	22.7	
31 2-Methyl-2-propanol	59	3.021	3.021	0.000	98	584028	250.0	211.4	
32 Methyl tert-butyl ether	73	3.057	3.057	0.000	97	1062236	25.0	24.4	
33 trans-1,2-Dichloroethene	96	3.069	3.069	0.000	91	303877	25.0	24.7	
34 Acrylonitrile	53	3.124	3.124	0.000	97	2603704	250.0	224.4	
35 Hexane	57	3.264	3.264	0.000	95	557786	25.0	26.5	
36 1,1-Dichloroethane	63	3.471	3.471	0.000	97	642359	25.0	24.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 Vinyl acetate	43	3.532	3.532	0.000	96	2030901	50.0	53.3	
42 2,2-Dichloropropane	77	3.976	3.976	0.000	84	344739	25.0	24.8	
43 cis-1,2-Dichloroethene	96	4.012	4.018	-0.006	84	326421	25.0	24.2	
44 2-Butanone (MEK)	43	4.049	4.049	0.000	96	1564509	125.0	117.6	
47 Chlorobromomethane	128	4.243	4.243	0.000	85	157875	25.0	21.7	
49 Tetrahydrofuran	42	4.256	4.262	-0.006	92	470927	50.0	47.4	
50 Chloroform	83	4.322	4.329	-0.007	97	545183	25.0	23.7	
51 1,1,1-Trichloroethane	97	4.432	4.426	0.006	94	437664	25.0	26.0	
52 Cyclohexane	56	4.432	4.432	0.000	97	722943	25.0	25.9	
53 Carbon tetrachloride	117	4.566	4.566	0.000	94	369702	25.0	26.9	
54 1,1-Dichloropropene	75	4.578	4.578	0.000	87	382953	25.0	26.8	
55 Benzene	78	4.779	4.779	0.000	92	1095403	25.0	25.5	
56 Isobutyl alcohol	43	4.821	4.821	0.000	92	773081	625.0	586.2	
57 1,2-Dichloroethane	62	4.846	4.846	0.000	95	472402	25.0	23.8	
59 n-Heptane	43	4.967	4.967	0.000	96	712153	25.0	30.2	
60 Trichloroethene	95	5.381	5.381	0.000	94	260656	25.0	24.6	
62 Methylcyclohexane	83	5.497	5.497	0.000	95	535102	25.0	27.9	
63 1,2-Dichloropropane	63	5.618	5.618	0.000	85	290026	25.0	26.1	
64 Dibromomethane	93	5.752	5.752	0.000	95	172527	25.0	25.6	
66 1,4-Dioxane	88	5.764	5.764	0.000	55	43042	500.0	530.3	
67 Dichlorobromomethane	83	5.910	5.910	0.000	96	351392	25.0	26.4	
69 2-Chloroethyl vinyl ether	63	6.190	6.196	-0.006	84	165619	25.0	24.3	
71 cis-1,3-Dichloropropene	75	6.324	6.324	0.000	89	350780	25.0	25.7	
72 4-Methyl-2-pentanone (MIBK)	58	6.476	6.476	0.000	97	1059881	125.0	147.5	
73 Toluene	92	6.604	6.604	0.000	96	572138	25.0	29.0	
75 trans-1,3-Dichloropropene	75	6.890	6.890	0.000	94	303686	25.0	31.1	
77 Ethyl methacrylate	69	6.951	6.944	0.007	90	326300	25.0	30.1	
78 1,1,2-Trichloroethane	83	7.078	7.078	0.000	95	171836	25.0	28.1	
79 Tetrachloroethene	166	7.127	7.133	-0.006	94	227408	25.0	26.8	
80 1,3-Dichloropropane	76	7.236	7.236	0.000	92	346457	25.0	28.8	
82 2-Hexanone	43	7.309	7.309	0.000	97	2054045	125.0	134.1	
83 Chlorodibromomethane	129	7.468	7.468	0.000	88	221889	25.0	28.7	
84 Ethylene Dibromide	107	7.565	7.565	0.000	96	208301	25.0	25.4	
85 Chlorobenzene	112	8.040	8.040	0.000	91	588374	25.0	25.0	
88 Ethylbenzene	91	8.137	8.137	0.000	98	1123369	25.0	28.3	
89 1,1,1,2-Tetrachloroethane	131	8.143	8.143	0.000	93	246049	25.0	27.4	
90 m-Xylene & p-Xylene	106	8.259	8.259	-0.001	98	426584	25.0	28.2	
91 o-Xylene	106	8.684	8.684	0.000	98	443502	25.0	27.2	
92 Styrene	104	8.715	8.715	0.000	93	653914	25.0	26.9	
93 Bromoform	173	8.952	8.958	-0.006	91	147141	25.0	25.8	
95 Isopropylbenzene	105	9.068	9.068	0.000	97	1192615	25.0	30.2	
97 Bromobenzene	156	9.414	9.414	0.000	95	251110	25.0	26.7	
98 1,1,2,2-Tetrachloroethane	83	9.493	9.493	0.000	94	372520	25.0	30.1	
100 N-Propylbenzene	91	9.512	9.512	0.000	98	1406527	25.0	30.6	
99 1,2,3-Trichloropropane	110	9.518	9.518	0.000	87	109628	25.0	25.4	
101 trans-1,4-Dichloro-2-butene	53	9.542	9.542	0.000	86	151466	25.0	28.9	
102 2-Chlorotoluene	126	9.615	9.615	0.000	94	261451	25.0	27.6	
104 1,3,5-Trimethylbenzene	105	9.700	9.700	0.000	96	1006734	25.0	28.9	
105 4-Chlorotoluene	91	9.731	9.731	0.000	99	897062	25.0	28.7	
106 tert-Butylbenzene	134	10.023	10.023	0.000	95	203819	25.0	30.0	
108 1,2,4-Trimethylbenzene	105	10.084	10.084	0.000	98	1021456	25.0	28.7	
109 sec-Butylbenzene	105	10.242	10.242	0.000	96	1275007	25.0	29.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 1,3-Dichlorobenzene	146	10.376	10.370	0.006	97	503256	25.0	25.6	
111 4-Isopropyltoluene	119	10.388	10.388	0.000	97	1086168	25.0	28.3	
113 1,4-Dichlorobenzene	146	10.467	10.467	0.000	93	516688	25.0	26.4	
115 n-Butylbenzene	91	10.783	10.783	0.000	99	1053854	25.0	32.1	
116 1,2-Dichlorobenzene	146	10.820	10.820	0.000	95	531096	25.0	27.3	
117 1,2-Dibromo-3-Chloropropane	75	11.562	11.562	0.000	74	90951	25.0	31.0	
119 1,2,4-Trichlorobenzene	180	12.243	12.243	0.000	94	388177	25.0	29.8	
120 Hexachlorobutadiene	225	12.365	12.359	0.006	94	165597	25.0	25.4	
121 Naphthalene	128	12.456	12.456	0.000	97	1279669	25.0	29.6	
122 1,2,3-Trichlorobenzene	180	12.663	12.657	0.006	95	371131	25.0	28.9	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00250	Amount Added: 12.50	Units: uL	
GAS CORP mix_00613	Amount Added: 12.50	Units: uL	
N 8260 IS_00265	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00467	Amount Added: 1.00	Units: uL	Run Reagent

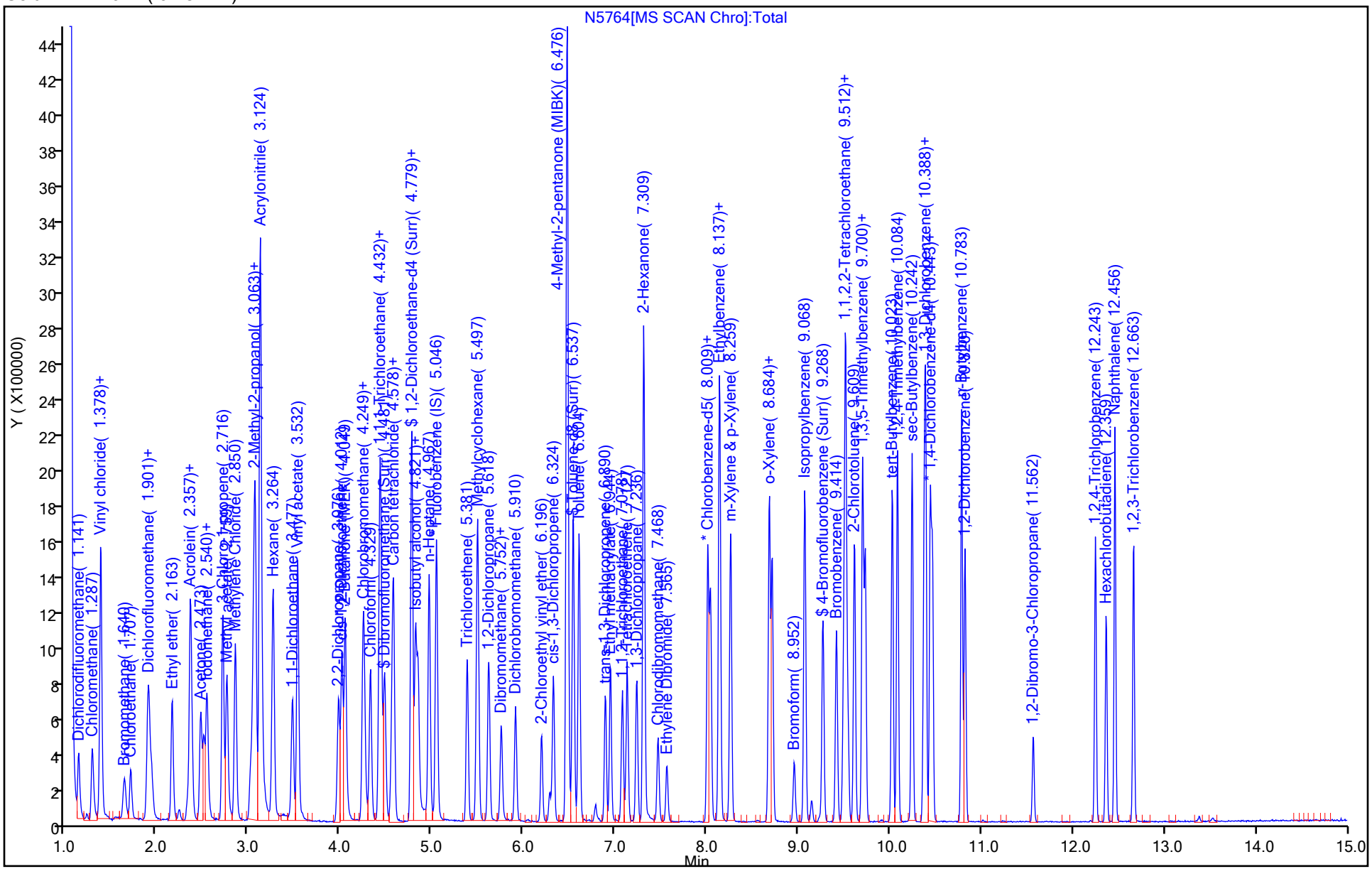
Report Date: 22-Mar-2024 12:27:42 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5764.d

Injection Date:	22-Mar-2024 12:05:30	Instrument ID:	HP5973N	Operator ID:	CC
Lims ID:	LCS			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



03/28/2024

Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N5764.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 22-Mar-2024 12:05:30 ALS Bottle#: 7 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0116891-006
Operator ID: CC Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20240322-116891.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Mar-2024 12:22:48 Calib Date: 12-Mar-2024 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20240312-116708.b\N5499.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1655

First Level Reviewer: TJ9E Date: 22-Mar-2024 12:27:41

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	19.3	77.39
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	20.1	80.37
$ 6 Toluene-d8 (Surr)	25.0	25.9	103.78
$ 7 4-Bromofluorobenzene (Surr)	25.0	23.7	94.86

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-704785/6

Matrix: Water | Lab File ID: K3149.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 23:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704785 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	24.0		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	30.8		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	24.7		1.0	0.31
79-00-5	1,1,2-Trichloroethane	28.2		1.0	0.23
75-34-3	1,1-Dichloroethane	24.1		1.0	0.38
75-35-4	1,1-Dichloroethene	23.4		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	28.0		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	28.9		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	30.2		1.0	0.39
106-93-4	1,2-Dibromoethane	28.4		1.0	0.73
95-50-1	1,2-Dichlorobenzene	27.9		1.0	0.79
107-06-2	1,2-Dichloroethane	23.9		1.0	0.21
78-87-5	1,2-Dichloropropane	24.4		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	29.4		1.0	0.77
541-73-1	1,3-Dichlorobenzene	28.1		1.0	0.78
106-46-7	1,4-Dichlorobenzene	28.3		1.0	0.84
78-93-3	2-Butanone (MEK)	146		10	1.3
591-78-6	2-Hexanone	162		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	157		5.0	2.1
67-64-1	Acetone	131		10	3.0
71-43-2	Benzene	23.4		1.0	0.41
75-27-4	Bromodichloromethane	24.8		1.0	0.39
75-25-2	Bromoform	29.9		1.0	0.26
74-83-9	Bromomethane	21.3		1.0	0.69
75-15-0	Carbon disulfide	23.2		1.0	0.19
56-23-5	Carbon tetrachloride	24.4		1.0	0.27
108-90-7	Chlorobenzene	27.0		1.0	0.75
75-00-3	Chloroethane	21.9		1.0	0.32
67-66-3	Chloroform	22.8		1.0	0.34
74-87-3	Chloromethane	24.1		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	23.8		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	24.4		1.0	0.36
110-82-7	Cyclohexane	24.1		1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-704785/6

Matrix: Water | Lab File ID: K3149.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 23:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 704785 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	29.8		1.0	0.32
75-71-8	Dichlorodifluoromethane	24.4		1.0	0.68
100-41-4	Ethylbenzene	26.9		1.0	0.74
98-82-8	Isopropylbenzene	28.7		1.0	0.79
79-20-9	Methyl acetate	55.3		2.5	1.3
1634-04-4	Methyl tert-butyl ether	23.6		1.0	0.16
108-87-2	Methylcyclohexane	22.9		1.0	0.16
75-09-2	Methylene Chloride	24.2		1.0	0.44
103-65-1	N-Propylbenzene	29.0		1.0	0.69
100-42-5	Styrene	28.1		1.0	0.73
127-18-4	Tetrachloroethene	26.4		1.0	0.36
108-88-3	Toluene	26.6		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	22.9		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	29.8		1.0	0.37
79-01-6	Trichloroethene	23.7		1.0	0.46
75-69-4	Trichlorofluoromethane	24.9		1.0	0.88
75-01-4	Vinyl chloride	21.8		1.0	0.90
1330-20-7	Xylenes, Total	54.5		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	86		75-123
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K3149.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 22-Mar-2024 23:51:49 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0116903-006
Operator ID: LH Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Mar-2024 11:32:39 Calib Date: 13-Mar-2024 02:41:36
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2849.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: WLL8 Date: 25-Mar-2024 11:32:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.340	5.340	0.000	98	147949	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.327	8.327	0.000	89	495161	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.723	10.722	0.000	96	244363	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.739	4.739	0.000	92	179605	25.0	21.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	5.044	5.044	0.000	98	208410	25.0	22.1	
$ 6 Toluene-d8 (Surr)	98	6.854	6.854	0.000	94	602509	25.0	24.2	
$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	87	180741	25.0	23.9	
11 Dichlorodifluoromethane	85	1.170	1.170	0.000	99	334337	25.0	24.4	
13 Chloromethane	50	1.337	1.337	0.000	98	293226	25.0	24.1	
14 Vinyl chloride	62	1.427	1.427	0.000	98	222221	25.0	21.8	
151 Butadiene	54	1.456	1.456	0.000	86	270043	25.0	23.4	
15 Bromomethane	94	1.739	1.739	0.000	94	108785	25.0	21.3	
16 Chloroethane	64	1.819	1.822	-0.003	98	111570	25.0	21.9	
18 Dichlorofluoromethane	67	2.044	2.044	0.000	97	446241	25.0	23.8	
17 Trichlorofluoromethane	101	2.067	2.064	0.003	96	400459	25.0	24.9	
19 Ethyl ether	59	2.343	2.343	0.000	95	227512	25.0	23.9	
21 Acrolein	56	2.494	2.494	0.000	97	57301	125.0	129.8	
22 1,1-Dichloroethene	96	2.559	2.562	-0.003	92	180085	25.0	23.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.572	2.572	0.000	94	210053	25.0	24.7	
23 Acetone	43	2.652	2.652	0.000	100	573234	125.0	131.4	
24 Iodomethane	142	2.707	2.707	0.000	98	311920	25.0	23.3	
25 Carbon disulfide	76	2.758	2.758	0.000	100	513890	25.0	23.2	
27 3-Chloro-1-propene	41	2.925	2.922	0.003	92	379066	25.0	23.6	
28 Methyl acetate	43	2.967	2.967	0.000	99	570326	50.0	55.3	
30 Methylene Chloride	84	3.060	3.060	0.000	96	205116	25.0	24.2	
31 2-Methyl-2-propanol	59	3.228	3.228	0.000	100	550792	250.0	276.3	
33 Methyl tert-butyl ether	73	3.301	3.301	0.000	97	633702	25.0	23.6	
32 trans-1,2-Dichloroethene	96	3.308	3.308	0.000	90	201103	25.0	22.9	
34 Acrylonitrile	53	3.318	3.318	0.000	100	1696625	250.0	257.2	
35 Hexane	57	3.539	3.539	0.000	89	344086	25.0	22.1	
36 1,1-Dichloroethane	63	3.719	3.716	0.003	96	447079	25.0	24.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 Vinyl acetate	43	3.777	3.774	0.003	97	1048094	50.0	55.8	
42 2,2-Dichloropropane	77	4.250	4.250	0.000	90	217409	25.0	21.9	
43 cis-1,2-Dichloroethene	96	4.276	4.276	0.000	84	223695	25.0	23.8	
44 2-Butanone (MEK)	43	4.298	4.298	0.000	98	905220	125.0	145.9	
47 Chlorobromomethane	128	4.504	4.504	0.000	93	112144	25.0	24.7	
48 Tetrahydrofuran	42	4.539	4.539	0.000	93	247915	50.0	53.5	
50 Chloroform	83	4.588	4.584	0.004	95	380851	25.0	22.8	
51 1,1,1-Trichloroethane	97	4.723	4.719	0.004	98	351569	25.0	24.0	
52 Cyclohexane	56	4.752	4.752	0.000	88	523885	25.0	24.1	
53 Carbon tetrachloride	117	4.871	4.867	0.004	96	326514	25.0	24.4	
54 1,1-Dichloropropene	75	4.874	4.874	0.000	94	280985	25.0	23.3	
56 Isobutyl alcohol	43	5.067	5.067	0.000	94	587855	625.0	730.6	
55 Benzene	78	5.070	5.070	0.000	96	778592	25.0	23.4	
57 1,2-Dichloroethane	62	5.115	5.115	0.000	97	335974	25.0	23.9	
59 n-Heptane	43	5.295	5.295	0.000	94	256452	25.0	21.6	
60 Trichloroethene	95	5.687	5.687	0.000	97	211450	25.0	23.7	
62 Methylcyclohexane	83	5.835	5.832	0.003	94	355301	25.0	22.9	
63 1,2-Dichloropropane	63	5.909	5.906	0.003	96	221707	25.0	24.4	
65 Dibromomethane	93	6.038	6.038	0.000	96	127186	25.0	25.2	
66 1,4-Dioxane	88	6.057	6.051	0.006	93	66745	500.0	616.3	
67 Dichlorobromomethane	83	6.195	6.192	0.003	98	259149	25.0	24.8	
69 2-Chloroethyl vinyl ether	63	6.478	6.478	0.000	92	149556	25.0	25.4	
71 cis-1,3-Dichloropropene	75	6.620	6.616	0.004	93	280765	25.0	24.4	
72 4-Methyl-2-pentanone (MIBK)	43	6.761	6.758	0.003	96	1748280	125.0	156.8	
73 Toluene	92	6.922	6.919	0.003	97	462375	25.0	26.6	
75 trans-1,3-Dichloropropene	75	7.176	7.176	0.000	95	256996	25.0	29.8	
77 Ethyl methacrylate	69	7.247	7.243	0.004	95	230869	25.0	28.9	
78 1,1,2-Trichloroethane	83	7.362	7.359	0.003	95	135875	25.0	28.2	
79 Tetrachloroethene	166	7.465	7.465	0.000	94	203120	25.0	26.4	
80 1,3-Dichloropropane	76	7.523	7.523	0.000	96	278639	25.0	27.7	
81 2-Hexanone	43	7.597	7.597	0.000	96	1180887	125.0	161.7	
82 Chlorodibromomethane	129	7.761	7.761	0.000	90	189940	25.0	29.8	
83 Ethylene Dibromide	107	7.864	7.864	0.000	98	177832	25.0	28.4	
86 Chlorobenzene	112	8.356	8.356	0.000	94	498821	25.0	27.0	
89 1,1,1,2-Tetrachloroethane	131	8.452	8.449	0.003	92	200609	25.0	28.8	
88 Ethylbenzene	91	8.459	8.459	0.000	99	885969	25.0	26.9	
90 m-Xylene & p-Xylene	106	8.584	8.581	0.003	98	337265	25.0	27.3	
91 o-Xylene	106	9.006	9.005	0.001	97	346150	25.0	27.2	
92 Styrene	104	9.028	9.028	0.000	94	514724	25.0	28.1	
93 Bromoform	173	9.253	9.253	0.000	95	123503	25.0	29.9	
95 Isopropylbenzene	105	9.398	9.395	0.003	96	922586	25.0	28.7	
97 Bromobenzene	156	9.726	9.726	0.000	96	203104	25.0	28.5	
98 1,1,2,2-Tetrachloroethane	83	9.764	9.764	0.000	93	268185	25.0	30.8	
100 1,2,3-Trichloropropane	110	9.796	9.796	0.000	82	93187	25.0	28.7	
101 trans-1,4-Dichloro-2-butene	53	9.816	9.813	0.003	89	77789	25.0	25.7	
99 N-Propylbenzene	91	9.825	9.825	0.000	99	1047722	25.0	29.0	
105 2-Chlorotoluene	126	9.922	9.922	0.000	95	206514	25.0	28.0	
104 1,3,5-Trimethylbenzene	105	10.005	10.005	0.000	93	773642	25.0	29.4	
102 4-Chlorotoluene	91	10.031	10.031	0.000	99	686214	25.0	28.8	
106 tert-Butylbenzene	134	10.324	10.324	0.000	94	160671	25.0	28.2	
107 1,2,4-Trimethylbenzene	105	10.378	10.375	0.003	98	783993	25.0	28.9	
109 sec-Butylbenzene	105	10.536	10.536	0.000	95	952202	25.0	29.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 1,3-Dichlorobenzene	146	10.658	10.658	0.000	97	381055	25.0	28.1	
111 4-Isopropyltoluene	119	10.678	10.677	0.001	97	827684	25.0	29.2	
113 1,4-Dichlorobenzene	146	10.745	10.745	0.000	94	383324	25.0	28.3	
115 n-Butylbenzene	91	11.063	11.060	0.003	98	674458	25.0	28.2	
116 1,2-Dichlorobenzene	146	11.092	11.092	0.000	96	385738	25.0	27.9	
117 1,2-Dibromo-3-Chloropropane	75	11.806	11.806	0.000	83	69355	25.0	30.2	
119 1,2,4-Trichlorobenzene	180	12.501	12.501	0.000	94	257602	25.0	28.0	
120 Hexachlorobutadiene	225	12.629	12.629	0.000	97	104188	25.0	27.5	
121 Naphthalene	128	12.706	12.706	0.000	97	945419	25.0	29.3	
122 1,2,3-Trichlorobenzene	180	12.912	12.909	0.003	96	264625	25.0	28.4	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00250	Amount Added: 12.50	Units: uL	
GAS CORP mix_00613	Amount Added: 12.50	Units: uL	
K WATER IS/SS_00012	Amount Added: 5.00	Units: uL	Run Reagent

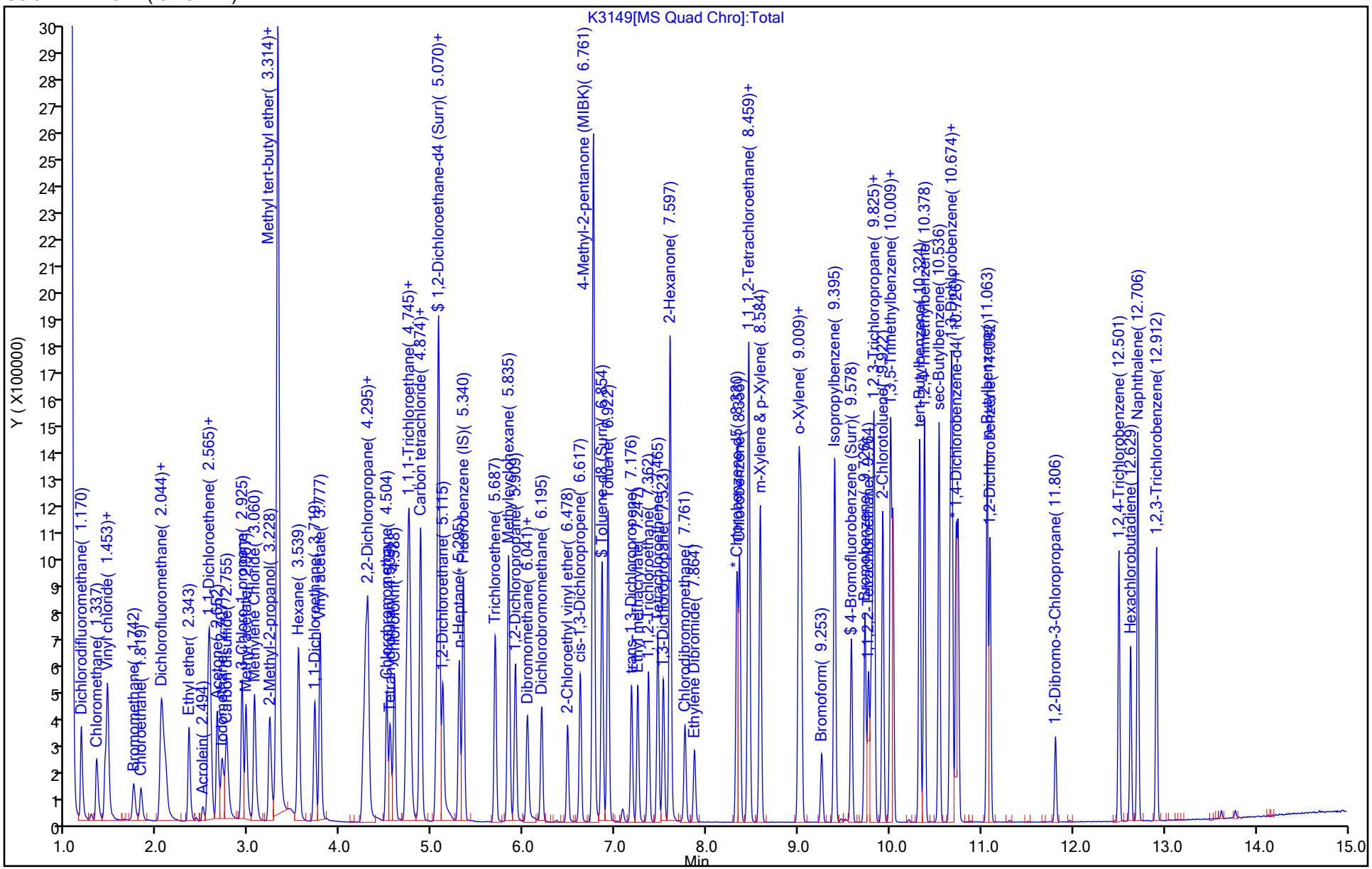
Report Date: 25-Mar-2024 11:32:56 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K3149.D

Injection Date:	22-Mar-2024 23:51:49	Instrument ID:	HP5977K	Operator ID:	LH
Lims ID:	LCS			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	K-8260 WATER	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K3149.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 22-Mar-2024 23:51:49 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0116903-006
Operator ID: LH Instrument ID: HP5977K

Method: \\chromfs\Buffalo\ChromData\HP5977K\20240322-116903.b\K-8260 WATER.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Mar-2024 11:32:39 Calib Date: 13-Mar-2024 02:41:36
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977K\20240312-116718.b\K2849.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: WLL8 Date: 25-Mar-2024 11:32:55

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	21.5	85.85
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	22.1	88.57
$ 6 Toluene-d8 (Surr)	25.0	24.2	96.62
$ 7 4-Bromofluorobenzene (Surr)	25.0	23.9	95.49

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-705062/6

Matrix: Water | Lab File ID: S6751.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/26/2024 14:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 705062 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	26.1		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	23.5		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	25.3		1.0	0.31
79-00-5	1,1,2-Trichloroethane	23.3		1.0	0.23
75-34-3	1,1-Dichloroethane	25.2		1.0	0.38
75-35-4	1,1-Dichloroethene	26.4		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	24.6		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	25.6		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	26.1		1.0	0.39
106-93-4	1,2-Dibromoethane	25.1		1.0	0.73
95-50-1	1,2-Dichlorobenzene	24.2		1.0	0.79
107-06-2	1,2-Dichloroethane	24.9		1.0	0.21
78-87-5	1,2-Dichloropropane	24.4		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	24.8		1.0	0.77
541-73-1	1,3-Dichlorobenzene	24.4		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.4		1.0	0.84
78-93-3	2-Butanone (MEK)	124		10	1.3
591-78-6	2-Hexanone	118		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	116		5.0	2.1
67-64-1	Acetone	119		10	3.0
71-43-2	Benzene	25.5		1.0	0.41
75-27-4	Bromodichloromethane	26.3		1.0	0.39
75-25-2	Bromoform	27.0		1.0	0.26
74-83-9	Bromomethane	27.0		1.0	0.69
75-15-0	Carbon disulfide	28.1		1.0	0.19
56-23-5	Carbon tetrachloride	27.2		1.0	0.27
108-90-7	Chlorobenzene	24.7		1.0	0.75
75-00-3	Chloroethane	26.3		1.0	0.32
67-66-3	Chloroform	25.0		1.0	0.34
74-87-3	Chloromethane	26.5		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	26.7		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	27.6		1.0	0.36
110-82-7	Cyclohexane	25.6		1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-705062/6

Matrix: Water | Lab File ID: S6751.d

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/26/2024 14:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 705062 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	26.3		1.0	0.32
75-71-8	Dichlorodifluoromethane	25.5		1.0	0.68
100-41-4	Ethylbenzene	24.4		1.0	0.74
98-82-8	Isopropylbenzene	25.5		1.0	0.79
79-20-9	Methyl acetate	47.6		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.9		1.0	0.16
108-87-2	Methylcyclohexane	25.7		1.0	0.16
75-09-2	Methylene Chloride	27.2		1.0	0.44
103-65-1	N-Propylbenzene	24.9		1.0	0.69
100-42-5	Styrene	24.4		1.0	0.73
127-18-4	Tetrachloroethene	23.7		1.0	0.36
108-88-3	Toluene	24.3		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.8		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	26.1		1.0	0.37
79-01-6	Trichloroethene	26.0		1.0	0.46
75-69-4	Trichlorofluoromethane	26.2		1.0	0.88
75-01-4	Vinyl chloride	27.4		1.0	0.90
1330-20-7	Xylenes, Total	49.8		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	106		75-123
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6751.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 26-Mar-2024 14:07:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0116943-006
Operator ID: ZN/RS Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Mar-2024 15:12:25 Calib Date: 26-Mar-2024 05:09:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6740.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: MHM2 Date: 26-Mar-2024 15:02:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.752	4.752	0.000	98	218479	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.702	7.702	0.000	85	457787	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	65	465230	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.192	4.186	0.006	57	265478	25.0	26.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.490	4.484	0.006	57	183960	25.0	24.6	
$ 5 Toluene-d8 (Surr)	98	6.242	6.242	0.000	75	1039592	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr)	174	8.955	8.956	-0.001	91	351945	25.0	24.5	
10 Dichlorodifluoromethane	85	0.998	0.998	0.000	99	318490	25.0	25.5	
12 Chloromethane	50	1.144	1.138	0.006	82	355200	25.0	26.5	
13 Vinyl chloride	62	1.217	1.205	0.006	59	324789	25.0	27.4	
151 Butadiene	54	1.223	1.217	0.006	91	368949	25.0	26.5	
14 Bromomethane	94	1.467	1.460	0.006	94	168404	25.0	27.0	
15 Chloroethane	64	1.509	1.503	0.006	94	178458	25.0	26.3	
16 Dichlorofluoromethane	67	1.698	1.692	0.006	82	480980	25.0	26.9	
17 Trichlorofluoromethane	101	1.704	1.698	0.006	45	425693	25.0	26.2	
18 Ethyl ether	59	1.905	1.905	0.000	94	242445	25.0	25.0	
20 Acrolein	56	2.075	2.069	0.006	86	53689	125.0	139.1	
22 1,1-Dichloroethene	96	2.111	2.099	0.012	82	190778	25.0	26.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.117	2.105	0.012	66	215020	25.0	25.3	
23 Acetone	43	2.209	2.215	-0.006	97	598475	125.0	118.6	
25 Iodomethane	142	2.270	2.263	0.007	99	354772	25.0	26.8	
26 Carbon disulfide	76	2.288	2.282	0.006	98	641448	25.0	28.1	
28 3-Chloro-1-propene	41	2.440	2.440	0.000	85	467153	25.0	26.7	
27 Methyl acetate	43	2.489	2.489	0.000	96	589037	50.0	47.6	
30 Methylene Chloride	84	2.580	2.580	0.000	93	267208	25.0	27.2	
31 2-Methyl-2-propanol	59	2.750	2.756	-0.006	91	428513	250.0	270.4	
32 Methyl tert-butyl ether	73	2.781	2.781	0.000	93	930551	25.0	24.9	
34 trans-1,2-Dichloroethene	96	2.793	2.787	0.006	93	268582	25.0	25.8	
33 Acrylonitrile	53	2.854	2.854	0.000	98	1600690	250.0	248.6	
35 Hexane	57	2.975	2.975	0.000	94	446387	25.0	24.5	
39 1,1-Dichloroethane	63	3.188	3.188	0.000	85	513656	25.0	25.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.255	3.255	0.000	96	1392581	50.0	55.6	
44 2,2-Dichloropropane	77	3.681	3.687	-0.006	91	285787	25.0	27.2	
45 cis-1,2-Dichloroethene	96	3.730	3.724	0.006	68	294793	25.0	26.7	
43 2-Butanone (MEK)	43	3.772	3.772	0.000	97	1044087	125.0	123.9	
48 Chlorobromomethane	128	3.955	3.955	0.000	91	143254	25.0	25.9	
49 Tetrahydrofuran	42	3.967	3.967	0.000	91	276616	50.0	49.5	
50 Chloroform	83	4.040	4.040	0.000	82	496276	25.0	25.0	
51 1,1,1-Trichloroethane	97	4.131	4.131	0.000	78	420952	25.0	26.1	
52 Cyclohexane	56	4.131	4.131	0.000	93	559135	25.0	25.6	
55 Carbon tetrachloride	117	4.265	4.265	0.000	79	358116	25.0	27.2	
54 1,1-Dichloropropene	75	4.283	4.283	0.000	91	406031	25.0	25.7	
57 Benzene	78	4.484	4.478	0.006	96	1166887	25.0	25.5	
53 Isobutyl alcohol	43	4.545	4.545	0.000	61	459959	625.0	681.1	
58 1,2-Dichloroethane	62	4.557	4.557	0.000	74	450894	25.0	24.9	
59 n-Heptane	43	4.673	4.673	0.000	95	500191	25.0	24.9	
62 Trichloroethene	95	5.086	5.093	0.000	91	282429	25.0	26.0	
64 Methylcyclohexane	83	5.196	5.196	0.006	94	518723	25.0	25.7	
65 1,2-Dichloropropane	63	5.323	5.330	-0.001	86	281094	25.0	24.4	
67 Dibromomethane	93	5.457	5.464	0.000	91	173196	25.0	25.1	
66 1,4-Dioxane	88	5.469	5.476	-0.001	61	64926	500.0	419.6	M
68 Dichlorobromomethane	83	5.615	5.629	-0.007	92	357910	25.0	26.3	
69 2-Chloroethyl vinyl ether	63	5.908	5.921	-0.006	92	197159	25.0	26.7	
72 cis-1,3-Dichloropropene	75	6.029	6.037	0.000	86	460229	25.0	27.6	
73 4-Methyl-2-pentanone (MIBK)	43	6.187	6.187	0.000	99	2148022	125.0	115.8	
74 Toluene	92	6.303	6.303	0.000	92	706403	25.0	24.3	
77 trans-1,3-Dichloropropene	75	6.601	6.601	0.000	92	420890	25.0	26.1	
75 Ethyl methacrylate	69	6.662	6.668	0.000	74	393902	25.0	25.8	
79 1,1,2-Trichloroethane	83	6.784	6.784	0.000	89	207101	25.0	23.3	
81 Tetrachloroethene	166	6.826	6.826	0.000	85	319600	25.0	23.7	
82 1,3-Dichloropropane	76	6.936	6.936	0.000	96	460388	25.0	24.4	
80 2-Hexanone	43	7.021	7.021	0.000	99	1515064	125.0	118.5	
83 Chlorodibromomethane	129	7.167	7.167	0.000	91	250344	25.0	26.3	
84 Ethylene Dibromide	107	7.258	7.252	0.006	96	263141	25.0	25.1	
87 Chlorobenzene	112	7.733	7.733	0.000	93	783485	25.0	24.7	
88 Ethylbenzene	91	7.830	7.830	0.000	99	1350245	25.0	24.4	
89 1,1,1,2-Tetrachloroethane	131	7.836	7.836	0.000	40	261381	25.0	25.7	
90 m-Xylene & p-Xylene	106	7.952	7.952	0.000	98	532611	25.0	25.0	
91 o-Xylene	106	8.371	8.371	0.000	97	541694	25.0	24.8	
92 Styrene	104	8.408	8.408	0.000	90	842853	25.0	24.4	
95 Bromoform	173	8.645	8.645	0.000	91	179711	25.0	27.0	
94 Isopropylbenzene	105	8.761	8.755	0.000	96	1418411	25.0	25.5	
101 Bromobenzene	156	9.095	9.090	0.000	97	349547	25.0	24.2	
97 1,1,2,2-Tetrachloroethane	83	9.193	9.187	0.000	62	353308	25.0	23.5	
99 N-Propylbenzene	91	9.205	9.199	0.000	98	1652931	25.0	24.9	
100 1,2,3-Trichloropropane	110	9.211	9.211	-0.006	57	115710	25.0	23.2	
98 trans-1,4-Dichloro-2-butene	53	9.241	9.236	0.000	63	125759	25.0	26.3	
103 2-Chlorotoluene	126	9.302	9.297	0.000	93	314868	25.0	24.0	
102 1,3,5-Trimethylbenzene	105	9.399	9.394	-0.001	95	1220527	25.0	24.8	
105 4-Chlorotoluene	126	9.424	9.418	0.000	99	323222	25.0	24.2	
106 tert-Butylbenzene	134	9.728	9.722	0.000	92	269297	25.0	25.7	
107 1,2,4-Trimethylbenzene	105	9.789	9.783	0.000	61	1268369	25.0	25.6	
109 sec-Butylbenzene	105	9.953	9.947	0.000	95	1553896	25.0	24.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 1,3-Dichlorobenzene	146	10.081	10.075	0.000	98	660708	25.0	24.4	
110 4-Isopropyltoluene	119	10.105	10.099	0.000	97	1350316	25.0	25.3	
113 1,4-Dichlorobenzene	146	10.172	10.166	0.000	92	681620	25.0	24.4	
115 n-Butylbenzene	91	10.507	10.500	0.000	97	1210395	25.0	25.4	
116 1,2-Dichlorobenzene	146	10.537	10.525	0.006	97	649412	25.0	24.2	
117 1,2-Dibromo-3-Chloropropane	75	11.291	11.285	0.000	81	76613	25.0	26.1	
119 1,2,4-Trichlorobenzene	180	11.967	11.960	0.000	94	498058	25.0	24.6	
120 Hexachlorobutadiene	225	12.088	12.104	0.000	95	257140	25.0	26.0	
121 Naphthalene	128	12.180	12.195	0.000	97	1333983	25.0	25.7	
122 1,2,3-Trichlorobenzene	180	12.387	12.402	-0.001	95	477725	25.0	24.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00251	Amount Added:	12.50	Units: uL	
GAS CORP mix_00613	Amount Added:	12.50	Units: uL	
S_8260_IS_00382	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00474	Amount Added:	1.00	Units: uL	Run Reagent

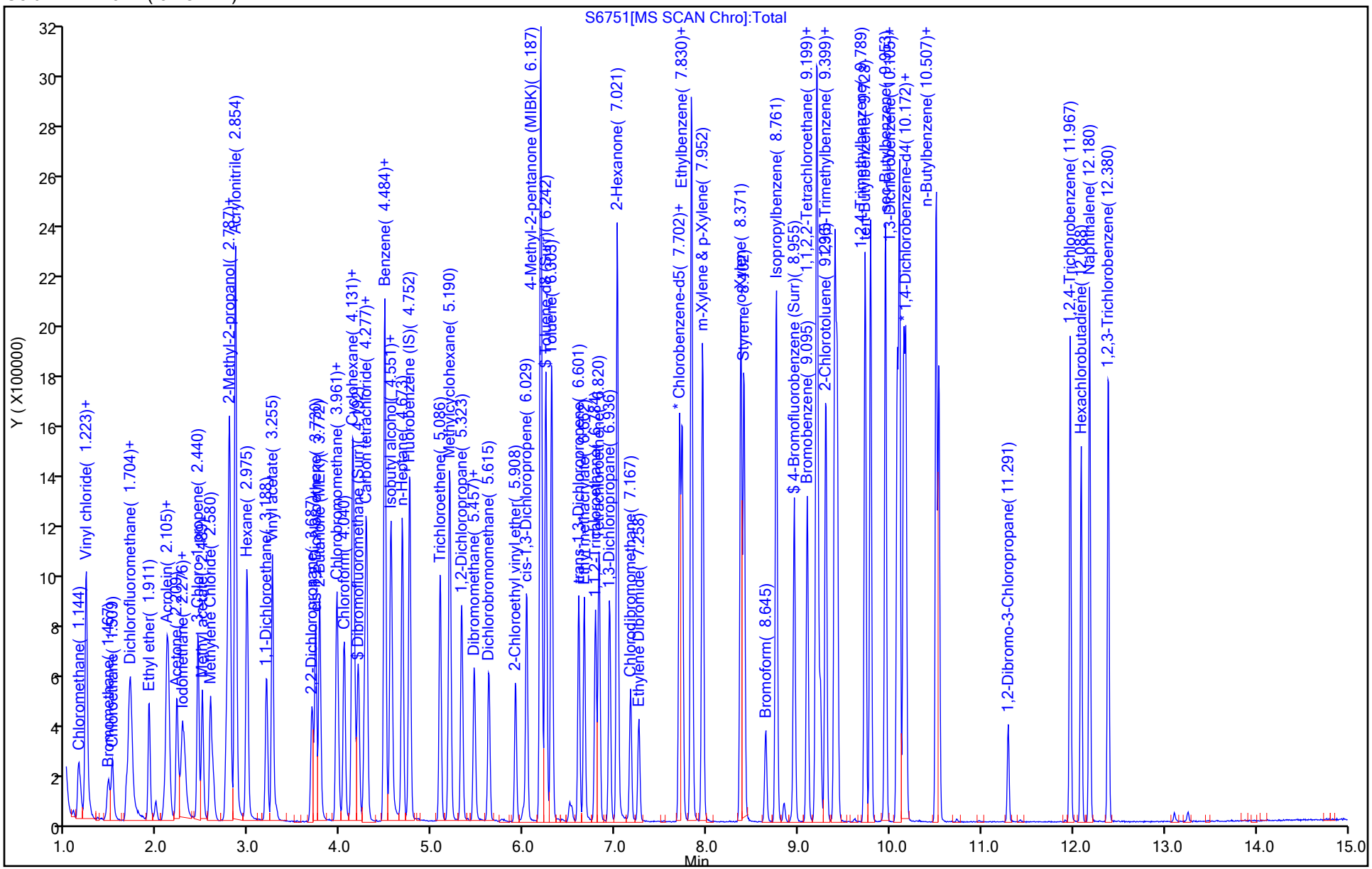
Report Date: 26-Mar-2024 15:13:02 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6751.d

Injection Date:	26-Mar-2024 14:07:30	Instrument ID:	HP5973S	Operator ID:	ZN/RS
Lims ID:	LCS			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6751.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 26-Mar-2024 14:07:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0116943-006
Operator ID: ZN/RS Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Mar-2024 15:12:25 Calib Date: 26-Mar-2024 05:09:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6740.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: MHM2 Date: 26-Mar-2024 15:02:58

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	26.6	106.30
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	24.6	98.56
$ 5 Toluene-d8 (Surr)	25.0	24.7	98.97
$ 6 4-Bromofluorobenzene (Surr)	25.0	24.5	97.89

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: IW-3-MS MS | Lab Sample ID: 480-218035-10 MS

Matrix: Water | Lab File ID: S6769.d

Analysis Method: 8260C | Date Collected: 03/19/2024 14:35

Sample wt/vol: 5(mL) | Date Analyzed: 03/26/2024 21:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 705062 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	27.7		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	27.2		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	26.2		1.0	0.31
79-00-5	1,1,2-Trichloroethane	27.1		1.0	0.23
75-34-3	1,1-Dichloroethane	27.1		1.0	0.38
75-35-4	1,1-Dichloroethene	28.9		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	28.0		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	56.5		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	29.8		1.0	0.39
106-93-4	1,2-Dibromoethane	27.3		1.0	0.73
95-50-1	1,2-Dichlorobenzene	26.9		1.0	0.79
107-06-2	1,2-Dichloroethane	26.1		1.0	0.21
78-87-5	1,2-Dichloropropane	26.9		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	51.4		1.0	0.77
541-73-1	1,3-Dichlorobenzene	27.3		1.0	0.78
106-46-7	1,4-Dichlorobenzene	26.9		1.0	0.84
78-93-3	2-Butanone (MEK)	137		10	1.3
591-78-6	2-Hexanone	137		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	135		5.0	2.1
67-64-1	Acetone	128		10	3.0
71-43-2	Benzene	27.6		1.0	0.41
75-27-4	Bromodichloromethane	27.4		1.0	0.39
75-25-2	Bromoform	27.7		1.0	0.26
74-83-9	Bromomethane	29.1		1.0	0.69
75-15-0	Carbon disulfide	27.3		1.0	0.19
56-23-5	Carbon tetrachloride	28.5		1.0	0.27
108-90-7	Chlorobenzene	27.9		1.0	0.75
75-00-3	Chloroethane	29.1		1.0	0.32
67-66-3	Chloroform	27.5		1.0	0.34
74-87-3	Chloromethane	28.2		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	28.7		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	28.3		1.0	0.36
110-82-7	Cyclohexane	28.0		1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: IW-3-MS MS | Lab Sample ID: 480-218035-10 MS

Matrix: Water | Lab File ID: S6769.d

Analysis Method: 8260C | Date Collected: 03/19/2024 14:35

Sample wt/vol: 5(mL) | Date Analyzed: 03/26/2024 21:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 705062 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	28.1		1.0	0.32
75-71-8	Dichlorodifluoromethane	27.3		1.0	0.68
100-41-4	Ethylbenzene	27.9		1.0	0.74
98-82-8	Isopropylbenzene	30.0		1.0	0.79
79-20-9	Methyl acetate	49.9		2.5	1.3
1634-04-4	Methyl tert-butyl ether	26.5		1.0	0.16
108-87-2	Methylcyclohexane	27.9		1.0	0.16
75-09-2	Methylene Chloride	27.0		1.0	0.44
103-65-1	N-Propylbenzene	28.6		1.0	0.69
100-42-5	Styrene	28.0		1.0	0.73
127-18-4	Tetrachloroethene	27.7		1.0	0.36
108-88-3	Toluene	27.5		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	27.7		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	27.7		1.0	0.37
79-01-6	Trichloroethene	28.5		1.0	0.46
75-69-4	Trichlorofluoromethane	28.5		1.0	0.88
75-01-4	Vinyl chloride	30.0		1.0	0.90
1330-20-7	Xylenes, Total	67.4		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	107		75-123
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6769.d
Lims ID: 480-218035-B-10 MS
Client ID: IW-3-MS
Sample Type: MS
Inject. Date: 26-Mar-2024 21:30:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-218035-B-10 MS
Misc. Info.: 480-0116943-024
Operator ID: ZN/RS Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Mar-2024 09:31:57 Calib Date: 26-Mar-2024 05:09:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6740.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: MHM2 Date: 27-Mar-2024 09:08:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.752	4.752	0.000	98	223266	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.702	7.702	0.000	87	442051	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	65	446010	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.192	4.186	0.006	58	272409	25.0	26.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.490	4.484	0.006	56	195370	25.0	25.6	
$ 5 Toluene-d8 (Surr)	98	6.242	6.242	0.000	58	1057731	25.0	26.1	
$ 6 4-Bromofluorobenzene (Surr)	174	8.955	8.955	-0.001	92	347694	25.0	25.0	
10 Dichlorodifluoromethane	85	0.998	0.998	0.000	87	349181	25.0	27.3	
12 Chloromethane	50	1.138	1.138	0.000	81	385641	25.0	28.2	
13 Vinyl chloride	62	1.217	1.211	0.006	46	363488	25.0	30.0	
14 Bromomethane	94	1.467	1.460	0.006	90	185333	25.0	29.1	
15 Chloroethane	64	1.509	1.515	0.006	94	202189	25.0	29.1	
17 Trichlorofluoromethane	101	1.704	1.698	0.006	56	473760	25.0	28.5	
22 1,1-Dichloroethene	96	2.111	2.117	0.012	85	213453	25.0	28.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.105	2.105	0.000	63	227472	25.0	26.2	
23 Acetone	43	2.215	2.209	0.000	98	659040	125.0	127.8	
26 Carbon disulfide	76	2.288	2.282	0.006	97	637981	25.0	27.3	
27 Methyl acetate	43	2.489	2.489	0.000	97	631039	50.0	49.9	
30 Methylene Chloride	84	2.580	2.574	0.000	91	271471	25.0	27.0	
32 Methyl tert-butyl ether	73	2.781	2.781	0.000	93	1014108	25.0	26.5	
34 trans-1,2-Dichloroethene	96	2.793	2.793	0.006	87	294450	25.0	27.7	
39 1,1-Dichloroethane	63	3.188	3.194	0.000	97	564337	25.0	27.1	
45 cis-1,2-Dichloroethene	96	3.730	3.724	0.006	82	324201	25.0	28.7	
43 2-Butanone (MEK)	43	3.772	3.772	0.000	98	1184026	125.0	137.4	
50 Chloroform	83	4.040	4.046	0.000	95	556784	25.0	27.5	
51 1,1,1-Trichloroethane	97	4.137	4.131	0.006	81	456996	25.0	27.7	
52 Cyclohexane	56	4.137	4.131	0.006	93	624906	25.0	28.0	
55 Carbon tetrachloride	117	4.265	4.265	0.000	92	383886	25.0	28.5	
57 Benzene	78	4.484	4.478	0.006	97	1293632	25.0	27.6	
58 1,2-Dichloroethane	62	4.557	4.557	0.000	82	482352	25.0	26.1	
62 Trichloroethene	95	5.086	5.086	0.000	91	316265	25.0	28.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	5.196	5.190	0.006	94	576235	25.0	27.9	
65 1,2-Dichloropropane	63	5.323	5.324	-0.001	87	317254	25.0	26.9	
68 Dichlorobromomethane	83	5.622	5.622	0.000	91	380094	25.0	27.4	
72 cis-1,3-Dichloropropene	75	6.035	6.029	0.006	89	481005	25.0	28.3	
73 4-Methyl-2-pentanone (MIBK)	43	6.187	6.187	0.000	98	2421933	125.0	135.2	
74 Toluene	92	6.303	6.303	0.000	92	773307	25.0	27.5	
77 trans-1,3-Dichloropropene	75	6.601	6.601	0.000	93	431794	25.0	27.7	
79 1,1,2-Trichloroethane	83	6.784	6.783	0.000	88	232034	25.0	27.1	
81 Tetrachloroethene	166	6.826	6.826	0.000	90	359422	25.0	27.7	
80 2-Hexanone	43	7.021	7.021	0.000	99	1686074	125.0	136.5	
83 Chlorodibromomethane	129	7.167	7.167	0.000	86	258579	25.0	28.1	
84 Ethylene Dibromide	107	7.258	7.252	0.006	99	276616	25.0	27.3	
87 Chlorobenzene	112	7.733	7.726	0.000	92	856039	25.0	27.9	
88 Ethylbenzene	91	7.830	7.836	0.000	99	1491895	25.0	27.9	
90 m-Xylene & p-Xylene	106	7.952	7.951	0.000	99	613602	25.0	29.9	
91 o-Xylene	106	8.371	8.372	0.000	98	788948	25.0	37.5	
92 Styrene	104	8.408	8.408	0.000	89	931073	25.0	28.0	
95 Bromoform	173	8.645	8.645	0.000	98	178107	25.0	27.7	
94 Isopropylbenzene	105	8.761	8.761	0.000	96	1599531	25.0	30.0	
97 1,1,2,2-Tetrachloroethane	83	9.193	9.193	0.000	54	392652	25.0	27.2	
99 N-Propylbenzene	91	9.199	9.205	-0.006	98	1818635	25.0	28.6	
102 1,3,5-Trimethylbenzene	105	9.399	9.399	-0.001	94	2427958	25.0	51.4	
107 1,2,4-Trimethylbenzene	105	9.789	9.789	0.000	70	2676973	25.0	56.5	
111 1,3-Dichlorobenzene	146	10.081	10.081	0.000	98	709145	25.0	27.3	
113 1,4-Dichlorobenzene	146	10.172	10.172	0.000	92	720096	25.0	26.9	
116 1,2-Dichlorobenzene	146	10.537	10.537	0.006	97	693821	25.0	26.9	
117 1,2-Dibromo-3-Chloropropane	75	11.291	11.291	0.000	76	83901	25.0	29.8	
119 1,2,4-Trichlorobenzene	180	11.967	11.967	0.000	93	544759	25.0	28.0	
S 124 Xylenes, Total	1				0			67.3	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00251	Amount Added:	12.50	Units: uL	
GAS CORP mix_00613	Amount Added:	12.50	Units: uL	
S_8260_IS_00383	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00475	Amount Added:	1.00	Units: uL	Run Reagent

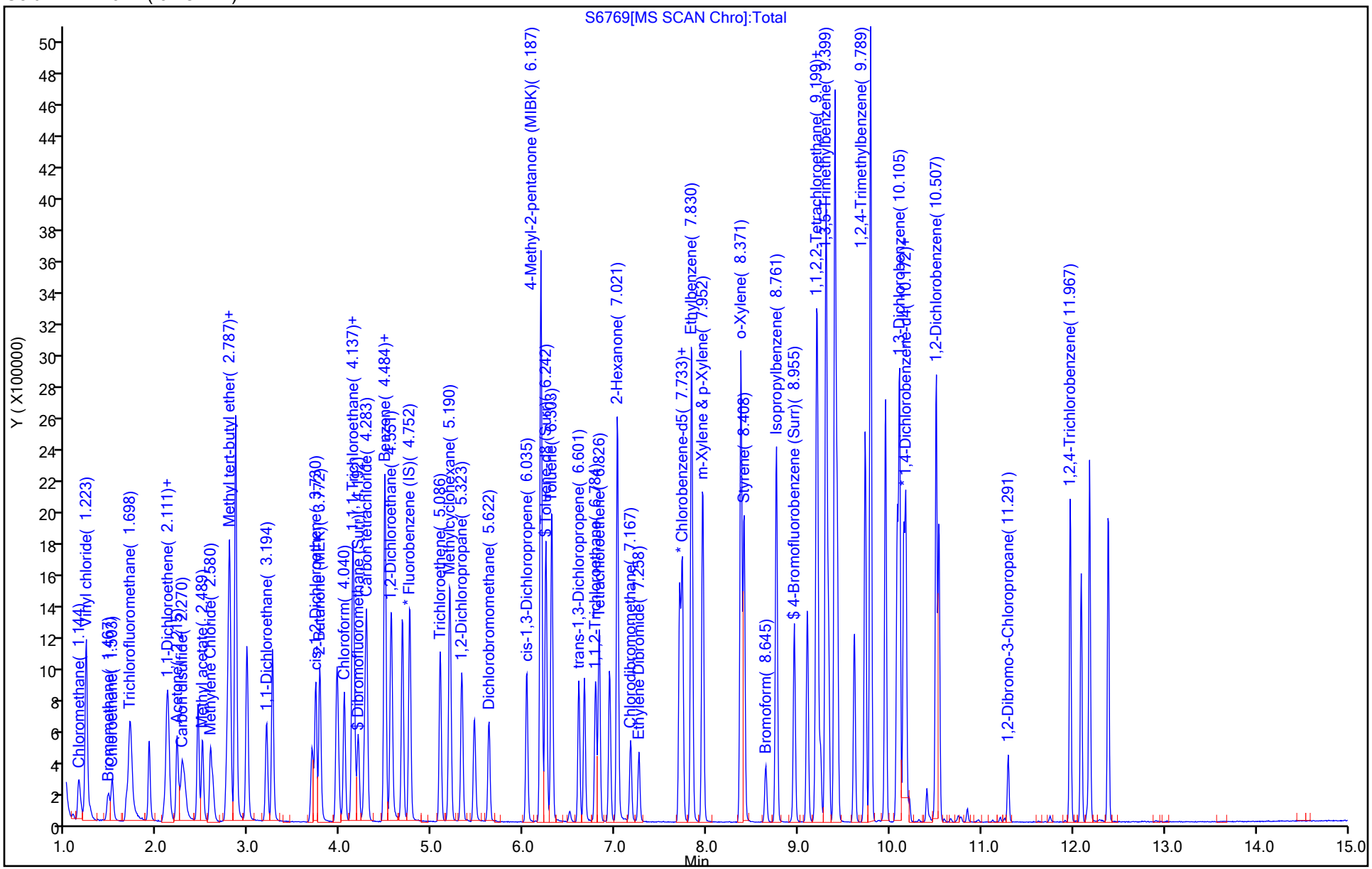
Report Date: 27-Mar-2024 11:13:32 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6769.d

Injection Date:	26-Mar-2024 21:30:30	Instrument ID:	HP5973S	Operator ID:	ZN/RS
Lims ID:	480-218035-B-10 MS			Worklist Smp#:	24
Client ID:	IW-3-MS				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6769.d
Lims ID: 480-218035-B-10 MS
Client ID: IW-3-MS
Sample Type: MS
Inject. Date: 26-Mar-2024 21:30:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-218035-B-10 MS
Misc. Info.: 480-0116943-024
Operator ID: ZN/RS Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Mar-2024 09:31:57 Calib Date: 26-Mar-2024 05:09:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6740.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: MHM2 Date: 27-Mar-2024 09:08:42

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	26.7	106.74
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	25.6	102.43
$ 5 Toluene-d8 (Surr)	25.0	26.1	104.28
$ 6 4-Bromofluorobenzene (Surr)	25.0	25.0	100.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: IW-3-MSD MSD | Lab Sample ID: 480-218035-10 MSD

Matrix: Water | Lab File ID: S6770.d

Analysis Method: 8260C | Date Collected: 03/19/2024 14:35

Sample wt/vol: 5(mL) | Date Analyzed: 03/26/2024 21:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 705062 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	27.6		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	25.9		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	26.8		1.0	0.31
79-00-5	1,1,2-Trichloroethane	26.3		1.0	0.23
75-34-3	1,1-Dichloroethane	26.9		1.0	0.38
75-35-4	1,1-Dichloroethene	28.8		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	27.6		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	66.3		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	27.6		1.0	0.39
106-93-4	1,2-Dibromoethane	27.7		1.0	0.73
95-50-1	1,2-Dichlorobenzene	26.4		1.0	0.79
107-06-2	1,2-Dichloroethane	26.2		1.0	0.21
78-87-5	1,2-Dichloropropane	26.0		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	57.7		1.0	0.77
541-73-1	1,3-Dichlorobenzene	26.2		1.0	0.78
106-46-7	1,4-Dichlorobenzene	26.6		1.0	0.84
78-93-3	2-Butanone (MEK)	130		10	1.3
591-78-6	2-Hexanone	136		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	133		5.0	2.1
67-64-1	Acetone	122		10	3.0
71-43-2	Benzene	26.9		1.0	0.41
75-27-4	Bromodichloromethane	27.2		1.0	0.39
75-25-2	Bromoform	27.9		1.0	0.26
74-83-9	Bromomethane	29.1		1.0	0.69
75-15-0	Carbon disulfide	26.8		1.0	0.19
56-23-5	Carbon tetrachloride	28.1		1.0	0.27
108-90-7	Chlorobenzene	27.7		1.0	0.75
75-00-3	Chloroethane	28.6		1.0	0.32
67-66-3	Chloroform	26.8		1.0	0.34
74-87-3	Chloromethane	27.6		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	27.6		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	27.6		1.0	0.36
110-82-7	Cyclohexane	27.1		1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-218035-1

SDG No.:

Client Sample ID: IW-3-MSD MSD | Lab Sample ID: 480-218035-10 MSD

Matrix: Water | Lab File ID: S6770.d

Analysis Method: 8260C | Date Collected: 03/19/2024 14:35

Sample wt/vol: 5(mL) | Date Analyzed: 03/26/2024 21:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

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

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

Analysis Batch No.: 705062 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	28.5		1.0	0.32
75-71-8	Dichlorodifluoromethane	25.9		1.0	0.68
100-41-4	Ethylbenzene	28.2		1.0	0.74
98-82-8	Isopropylbenzene	29.3		1.0	0.79
79-20-9	Methyl acetate	50.3		2.5	1.3
1634-04-4	Methyl tert-butyl ether	26.0		1.0	0.16
108-87-2	Methylcyclohexane	25.7		1.0	0.16
75-09-2	Methylene Chloride	29.3		1.0	0.44
103-65-1	N-Propylbenzene	28.0		1.0	0.69
100-42-5	Styrene	28.0		1.0	0.73
127-18-4	Tetrachloroethene	27.4		1.0	0.36
108-88-3	Toluene	28.3		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	27.2		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	28.7		1.0	0.37
79-01-6	Trichloroethene	27.3		1.0	0.46
75-69-4	Trichlorofluoromethane	28.2		1.0	0.88
75-01-4	Vinyl chloride	30.0		1.0	0.90
1330-20-7	Xylenes, Total	73.1		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6770.d
Lims ID: 480-218035-B-10 MSD
Client ID: IW-3-MSD
Sample Type: MSD
Inject. Date: 26-Mar-2024 21:54:30 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-218035-B-10 MSD
Misc. Info.: 480-0116943-025
Operator ID: ZN/RS Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Mar-2024 09:31:57 Calib Date: 26-Mar-2024 05:09:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6740.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: MHM2 Date: 27-Mar-2024 09:09:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.752	4.752	0.000	98	231346	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.702	7.702	0.000	89	447609	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.154	10.154	0.000	66	472179	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.192	4.186	0.006	59	266741	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.484	4.484	0.000	56	193672	25.0	24.5	
$ 5 Toluene-d8 (Surr)	98	6.242	6.242	0.000	58	1058943	25.0	25.8	
$ 6 4-Bromofluorobenzene (Surr)	174	8.955	8.955	-0.001	94	361605	25.0	25.7	
10 Dichlorodifluoromethane	85	0.998	0.998	0.000	88	343608	25.0	25.9	
12 Chloromethane	50	1.138	1.138	0.000	82	391013	25.0	27.6	
13 Vinyl chloride	62	1.211	1.211	0.000	64	376777	25.0	30.0	
14 Bromomethane	94	1.473	1.460	0.013	93	192026	25.0	29.1	
15 Chloroethane	64	1.509	1.515	0.006	98	205441	25.0	28.6	
17 Trichlorofluoromethane	101	1.661	1.698	-0.037	83	484762	25.0	28.2	
22 1,1-Dichloroethene	96	2.111	2.117	0.012	84	220004	25.0	28.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.105	2.105	0.000	77	241119	25.0	26.8	
23 Acetone	43	2.209	2.209	-0.006	97	653780	125.0	122.4	
26 Carbon disulfide	76	2.294	2.282	0.012	98	648546	25.0	26.8	
27 Methyl acetate	43	2.489	2.489	0.000	97	659851	50.0	50.3	
30 Methylene Chloride	84	2.580	2.574	0.000	93	304777	25.0	29.3	
32 Methyl tert-butyl ether	73	2.781	2.781	0.000	93	1031551	25.0	26.0	
34 trans-1,2-Dichloroethene	96	2.787	2.793	0.000	75	298895	25.0	27.2	
39 1,1-Dichloroethane	63	3.188	3.194	0.000	97	580379	25.0	26.9	
45 cis-1,2-Dichloroethene	96	3.730	3.724	0.006	82	323559	25.0	27.6	
43 2-Butanone (MEK)	43	3.772	3.772	0.000	97	1159948	125.0	129.9	
50 Chloroform	83	4.040	4.046	0.000	81	563687	25.0	26.8	
51 1,1,1-Trichloroethane	97	4.137	4.131	0.006	79	472115	25.0	27.6	
52 Cyclohexane	56	4.137	4.131	0.006	92	627575	25.0	27.1	
55 Carbon tetrachloride	117	4.265	4.265	0.000	82	392731	25.0	28.1	
57 Benzene	78	4.484	4.478	0.006	96	1305034	25.0	26.9	
58 1,2-Dichloroethane	62	4.557	4.557	0.000	75	501130	25.0	26.2	
62 Trichloroethene	95	5.086	5.086	0.000	92	314066	25.0	27.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	5.196	5.190	0.006	94	549536	25.0	25.7	
65 1,2-Dichloropropane	63	5.324	5.324	0.000	86	317689	25.0	26.0	
68 Dichlorobromomethane	83	5.622	5.622	0.000	98	392047	25.0	27.2	
72 cis-1,3-Dichloropropene	75	6.029	6.029	0.000	86	486101	25.0	27.6	
73 4-Methyl-2-pentanone (MIBK)	43	6.187	6.187	0.000	99	2407271	125.0	132.7	
74 Toluene	92	6.303	6.303	0.000	92	806764	25.0	28.3	
77 trans-1,3-Dichloropropene	75	6.601	6.601	0.000	92	452558	25.0	28.7	
79 1,1,2-Trichloroethane	83	6.784	6.783	0.000	92	228060	25.0	26.3	
81 Tetrachloroethene	166	6.826	6.826	0.000	84	360117	25.0	27.4	
80 2-Hexanone	43	7.021	7.021	0.000	99	1699557	125.0	135.9	
83 Chlorodibromomethane	129	7.167	7.167	0.000	90	265434	25.0	28.5	
84 Ethylene Dibromide	107	7.258	7.252	0.006	98	284466	25.0	27.7	
87 Chlorobenzene	112	7.733	7.726	0.000	92	861179	25.0	27.7	
88 Ethylbenzene	91	7.830	7.836	0.000	99	1525772	25.0	28.2	
90 m-Xylene & p-Xylene	106	7.958	7.951	0.006	98	642920	25.0	30.9	
91 o-Xylene	106	8.371	8.372	0.000	98	899867	25.0	42.2	
92 Styrene	104	8.408	8.408	0.000	89	944933	25.0	28.0	
95 Bromoform	173	8.639	8.645	-0.006	97	181510	25.0	27.9	
94 Isopropylbenzene	105	8.761	8.761	0.000	96	1653532	25.0	29.3	
97 1,1,2,2-Tetrachloroethane	83	9.193	9.193	0.000	55	395993	25.0	25.9	
99 N-Propylbenzene	91	9.205	9.205	0.000	99	1887742	25.0	28.0	
102 1,3,5-Trimethylbenzene	105	9.400	9.399	0.000	93	2884186	25.0	57.7	
107 1,2,4-Trimethylbenzene	105	9.789	9.789	0.000	70	3330544	25.0	66.3	
111 1,3-Dichlorobenzene	146	10.081	10.081	0.000	97	720866	25.0	26.2	
113 1,4-Dichlorobenzene	146	10.172	10.172	0.000	92	756211	25.0	26.6	
116 1,2-Dichlorobenzene	146	10.531	10.537	0.000	97	720671	25.0	26.4	
117 1,2-Dibromo-3-Chloropropane	75	11.292	11.291	0.001	72	82387	25.0	27.6	
119 1,2,4-Trichlorobenzene	180	11.967	11.967	0.000	93	567533	25.0	27.6	
S 124 Xylenes, Total	1				0			73.1	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00251	Amount Added:	12.50	Units: uL	
GAS CORP mix_00613	Amount Added:	12.50	Units: uL	
S_8260_IS_00383	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00475	Amount Added:	1.00	Units: uL	Run Reagent

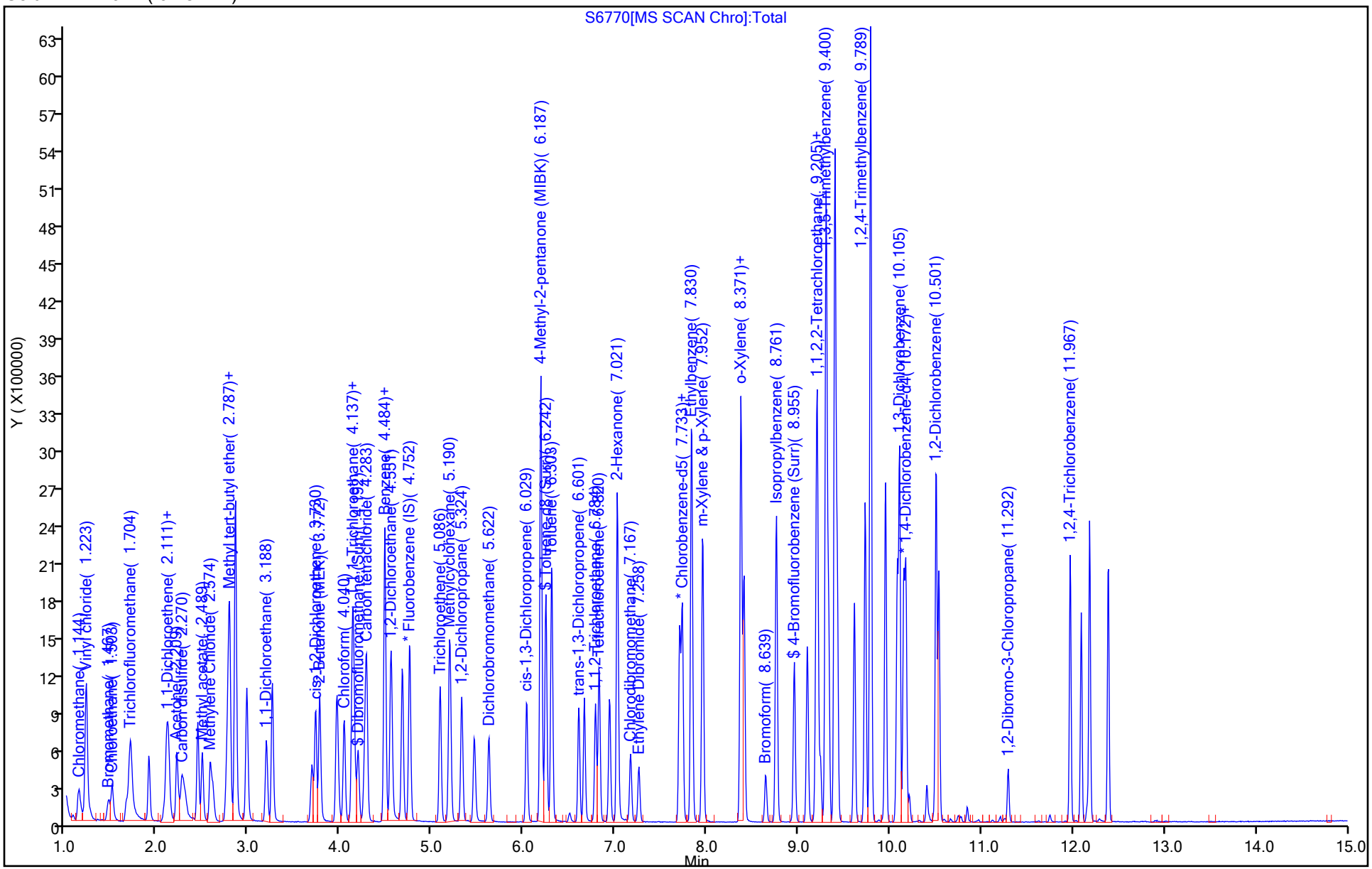
Report Date: 27-Mar-2024 09:33:41 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6770.d

Injection Date:	26-Mar-2024 21:54:30	Instrument ID:	HP5973S	Operator ID:	ZN/RS
Lims ID:	480-218035-B-10 MSD			Worklist Smp#:	25
Client ID:	IW-3-MSD				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S6770.d
Lims ID: 480-218035-B-10 MSD
Client ID: IW-3-MSD
Sample Type: MSD
Inject. Date: 26-Mar-2024 21:54:30 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-218035-B-10 MSD
Misc. Info.: 480-0116943-025
Operator ID: ZN/RS Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20240326-116943.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Mar-2024 09:31:57 Calib Date: 26-Mar-2024 05:09:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20240325-116934.b\S6740.d

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: MHM2 Date: 27-Mar-2024 09:09:23

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	25.2	100.86
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	24.5	98.00
$ 5 Toluene-d8 (Surr)	25.0	25.8	103.10
$ 6 4-Bromofluorobenzene (Surr)	25.0	25.7	102.87

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Instrument ID: HP5973N Start Date: 03/12/2024 14:48

Analysis Batch Number: 703408 End Date: 03/12/2024 23:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-703408/9		03/12/2024 14:48	1	N5479.d	ZB-624 (20) 0.18(mm)
IC 480-703408/11		03/12/2024 15:37	1	N5481.d	ZB-624 (20) 0.18(mm)
IC 480-703408/12		03/12/2024 15:59	1	N5482.d	ZB-624 (20) 0.18(mm)
IC 480-703408/13		03/12/2024 16:22	1	N5483.d	ZB-624 (20) 0.18(mm)
IC 480-703408/14		03/12/2024 16:45	1	N5484.d	ZB-624 (20) 0.18(mm)
IC 480-703408/15		03/12/2024 17:07	1	N5485.d	ZB-624 (20) 0.18(mm)
ICIS 480-703408/16		03/12/2024 17:30	1	N5486.d	ZB-624 (20) 0.18(mm)
IC 480-703408/17		03/12/2024 17:52	1	N5487.d	ZB-624 (20) 0.18(mm)
IC 480-703408/18		03/12/2024 18:15	1	N5488.d	ZB-624 (20) 0.18(mm)
IC 480-703408/23		03/12/2024 20:06	1		ZB-624 (20) 0.18(mm)
IC 480-703408/24		03/12/2024 20:29	1		ZB-624 (20) 0.18(mm)
IC 480-703408/25		03/12/2024 20:51	1		ZB-624 (20) 0.18(mm)
IC 480-703408/26		03/12/2024 21:13	1		ZB-624 (20) 0.18(mm)
IC 480-703408/27		03/12/2024 21:36	1		ZB-624 (20) 0.18(mm)
IC 480-703408/28		03/12/2024 21:58	1		ZB-624 (20) 0.18(mm)
IC 480-703408/29		03/12/2024 22:20	1		ZB-624 (20) 0.18(mm)
ICV 480-703408/32		03/12/2024 23:27	1	N5502.d	ZB-624 (20) 0.18(mm)
ICV 480-703408/33		03/12/2024 23:49	1	N5503.d	ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Instrument ID: HP5973N Start Date: 03/22/2024 10:46

Analysis Batch Number: 704702 End Date: 03/22/2024 23:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-704702/3		03/22/2024 10:46	1	N5761.d	ZB-624 (20) 0.18(mm)
CCVIS 480-704702/4		03/22/2024 11:10	1	N5762.d	ZB-624 (20) 0.18(mm)
CCV 480-704702/5		03/22/2024 11:32	1		ZB-624 (20) 0.18(mm)
LCS 480-704702/6		03/22/2024 12:05	1	N5764.d	ZB-624 (20) 0.18(mm)
RL 480-704702/7		03/22/2024 13:12	1		ZB-624 (20) 0.18(mm)
MB 480-704702/8		03/22/2024 13:54	1	N5766.d	ZB-624 (20) 0.18(mm)
ZZZZZ		03/22/2024 14:32	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/22/2024 14:54	1		ZB-624 (20) 0.18(mm)
480-218035-1	VRI-3	03/22/2024 15:17	1	N5769.d	ZB-624 (20) 0.18(mm)
480-218035-2	VRI-1	03/22/2024 15:39	100	N5770.d	ZB-624 (20) 0.18(mm)
480-218035-3	VRI-4	03/22/2024 16:01	1	N5771.d	ZB-624 (20) 0.18(mm)
480-218035-4	GT-14	03/22/2024 16:24	1	N5772.d	ZB-624 (20) 0.18(mm)
480-218035-5	GT-9R	03/22/2024 16:46	1	N5773.d	ZB-624 (20) 0.18(mm)
480-218035-6	GT-16	03/22/2024 17:08	1	N5774.d	ZB-624 (20) 0.18(mm)
480-218035-7	IW-6	03/22/2024 17:31	200	N5775.d	ZB-624 (20) 0.18(mm)
480-218035-8	DUP-03192024	03/22/2024 17:53	100	N5776.d	ZB-624 (20) 0.18(mm)
480-218035-9	EQUIPMENT BLANK-20240319	03/22/2024 18:15	1	N5777.d	ZB-624 (20) 0.18(mm)
ZZZZZ		03/22/2024 18:37	50		ZB-624 (20) 0.18(mm)
ZZZZZ		03/22/2024 19:00	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/22/2024 19:22	2		ZB-624 (20) 0.18(mm)
ZZZZZ		03/22/2024 19:44	4		ZB-624 (20) 0.18(mm)
ZZZZZ		03/22/2024 20:07	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/22/2024 20:29	20		ZB-624 (20) 0.18(mm)
ZZZZZ		03/22/2024 20:51	2		ZB-624 (20) 0.18(mm)
ZZZZZ		03/22/2024 21:13	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/22/2024 21:36	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/22/2024 21:58	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/22/2024 22:20	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/22/2024 22:42	50		ZB-624 (20) 0.18(mm)
ZZZZZ		03/22/2024 23:04	50		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Instrument ID: HP5973S Start Date: 03/25/2024 21:25

Analysis Batch Number: 704994 End Date: 03/26/2024 06:41

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-704994/5		03/25/2024 21:25	1	S6720.d	ZB-624 (20) 0.18(mm)
IC 480-704994/7		03/25/2024 22:13	1	S6722.d	ZB-624 (20) 0.18(mm)
IC 480-704994/8		03/25/2024 22:36	1	S6723.d	ZB-624 (20) 0.18(mm)
IC 480-704994/9		03/25/2024 22:59	1	S6724.d	ZB-624 (20) 0.18(mm)
IC 480-704994/10		03/25/2024 23:22	1	S6725.d	ZB-624 (20) 0.18(mm)
IC 480-704994/11		03/25/2024 23:45	1	S6726.d	ZB-624 (20) 0.18(mm)
ICIS 480-704994/12		03/26/2024 00:08	1	S6727.d	ZB-624 (20) 0.18(mm)
IC 480-704994/13		03/26/2024 00:31	1	S6728.d	ZB-624 (20) 0.18(mm)
IC 480-704994/14		03/26/2024 00:54	1	S6729.d	ZB-624 (20) 0.18(mm)
ZZZZZ		03/26/2024 01:40	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/26/2024 02:03	1		ZB-624 (20) 0.18(mm)
IC 480-704994/19		03/26/2024 02:49	1		ZB-624 (20) 0.18(mm)
IC 480-704994/20		03/26/2024 03:13	1		ZB-624 (20) 0.18(mm)
IC 480-704994/21		03/26/2024 03:36	1		ZB-624 (20) 0.18(mm)
IC 480-704994/22		03/26/2024 03:59	1		ZB-624 (20) 0.18(mm)
IC 480-704994/23		03/26/2024 04:22	1		ZB-624 (20) 0.18(mm)
IC 480-704994/24		03/26/2024 04:46	1		ZB-624 (20) 0.18(mm)
IC 480-704994/25		03/26/2024 05:09	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/26/2024 05:55	1		ZB-624 (20) 0.18(mm)
ICV 480-704994/28		03/26/2024 06:18	1	S6743.d	ZB-624 (20) 0.18(mm)
ICV 480-704994/29		03/26/2024 06:41	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Instrument ID: HP5973S Start Date: 03/26/2024 12:39

Analysis Batch Number: 705062 End Date: 03/26/2024 21:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-705062/3		03/26/2024 12:39	1	S6748.d	ZB-624 (20) 0.18(mm)
CCVIS 480-705062/4		03/26/2024 13:07	1	S6749.d	ZB-624 (20) 0.18(mm)
CCV 480-705062/5		03/26/2024 13:44	1		ZB-624 (20) 0.18(mm)
LCS 480-705062/6		03/26/2024 14:07	1	S6751.d	ZB-624 (20) 0.18(mm)
RL 480-705062/7		03/26/2024 14:31	1		ZB-624 (20) 0.18(mm)
MB 480-705062/8		03/26/2024 14:54	1	S6753.d	ZB-624 (20) 0.18(mm)
ZZZZZ		03/26/2024 15:42	200		ZB-624 (20) 0.18(mm)
480-218035-10	IW-3	03/26/2024 16:05	1	S6755.d	ZB-624 (20) 0.18(mm)
ZZZZZ		03/26/2024 16:29	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/26/2024 16:52	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/26/2024 17:15	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/26/2024 17:38	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/26/2024 18:02	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/26/2024 18:25	2000		ZB-624 (20) 0.18(mm)
ZZZZZ		03/26/2024 18:48	10		ZB-624 (20) 0.18(mm)
ZZZZZ		03/26/2024 19:11	8		ZB-624 (20) 0.18(mm)
ZZZZZ		03/26/2024 19:35	2		ZB-624 (20) 0.18(mm)
ZZZZZ		03/26/2024 19:58	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/26/2024 20:21	2		ZB-624 (20) 0.18(mm)
ZZZZZ		03/26/2024 20:44	2		ZB-624 (20) 0.18(mm)
ZZZZZ		03/26/2024 21:07	2		ZB-624 (20) 0.18(mm)
480-218035-10 MS	IW-3-MS MS	03/26/2024 21:30	1	S6769.d	ZB-624 (20) 0.18(mm)
480-218035-10 MSD	IW-3-MSD MSD	03/26/2024 21:54	1	S6770.d	ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Instrument ID: HP5977K Start Date: 03/12/2024 19:07

Analysis Batch Number: 703484 End Date: 03/13/2024 04:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-703484/5		03/12/2024 19:07	1	K2829.D	ZB-624 (20) 0.18(mm)
IC 480-703484/7		03/12/2024 19:57	1	K2831.D	ZB-624 (20) 0.18(mm)
IC 480-703484/8		03/12/2024 20:19	1	K2832.D	ZB-624 (20) 0.18(mm)
IC 480-703484/9		03/12/2024 20:42	1	K2833.D	ZB-624 (20) 0.18(mm)
IC 480-703484/10		03/12/2024 21:04	1	K2834.D	ZB-624 (20) 0.18(mm)
IC 480-703484/11		03/12/2024 21:27	1	K2835.D	ZB-624 (20) 0.18(mm)
ICIS 480-703484/12		03/12/2024 21:49	1	K2836.D	ZB-624 (20) 0.18(mm)
IC 480-703484/13		03/12/2024 22:12	1	K2837.D	ZB-624 (20) 0.18(mm)
IC 480-703484/14		03/12/2024 22:34	1	K2838.D	ZB-624 (20) 0.18(mm)
ZZZZZ		03/12/2024 23:19	1		ZB-624 (20) 0.18(mm)
IC 480-703484/19		03/13/2024 00:26	1		ZB-624 (20) 0.18(mm)
IC 480-703484/20		03/13/2024 00:49	1		ZB-624 (20) 0.18(mm)
IC 480-703484/21		03/13/2024 01:11	1		ZB-624 (20) 0.18(mm)
IC 480-703484/22		03/13/2024 01:34	1		ZB-624 (20) 0.18(mm)
IC 480-703484/23		03/13/2024 01:56	1		ZB-624 (20) 0.18(mm)
IC 480-703484/24		03/13/2024 02:19	1		ZB-624 (20) 0.18(mm)
IC 480-703484/25		03/13/2024 02:41	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/13/2024 03:26	1		ZB-624 (20) 0.18(mm)
ICV 480-703484/28		03/13/2024 03:49	1	K2852.D	ZB-624 (20) 0.18(mm)
ICV 480-703484/29		03/13/2024 04:11	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Instrument ID: HP5977K Start Date: 03/22/2024 22:44

Analysis Batch Number: 704785 End Date: 03/23/2024 10:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-704785/3		03/22/2024 22:44	1	K3146.D	ZB-624 (20) 0.18(mm)
CCVIS 480-704785/4		03/22/2024 23:06	1	K3147.D	ZB-624 (20) 0.18(mm)
CCV 480-704785/5		03/22/2024 23:29	1		ZB-624 (20) 0.18(mm)
LCS 480-704785/6		03/22/2024 23:51	1	K3149.D	ZB-624 (20) 0.18(mm)
RL 480-704785/7		03/23/2024 00:14	1		ZB-624 (20) 0.18(mm)
MB 480-704785/8		03/23/2024 00:36	1	K3151.D	ZB-624 (20) 0.18(mm)
ZZZZZ		03/23/2024 00:59	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/23/2024 01:21	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/23/2024 01:43	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/23/2024 02:06	80		ZB-624 (20) 0.18(mm)
ZZZZZ		03/23/2024 02:28	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/23/2024 02:51	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/23/2024 03:13	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/23/2024 03:36	200		ZB-624 (20) 0.18(mm)
ZZZZZ		03/23/2024 03:58	2000		ZB-624 (20) 0.18(mm)
ZZZZZ		03/23/2024 04:21	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/23/2024 04:43	2		ZB-624 (20) 0.18(mm)
ZZZZZ		03/23/2024 05:05	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/23/2024 05:28	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/23/2024 05:50	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/23/2024 06:12	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/23/2024 06:35	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/23/2024 06:57	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/23/2024 07:20	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/23/2024 07:42	1		ZB-624 (20) 0.18(mm)
480-218035-11	TRIP BLANK-20240319	03/23/2024 08:04	1	K3171.D	ZB-624 (20) 0.18(mm)
480-218035-12	VRI-10	03/23/2024 08:27	1	K3172.D	ZB-624 (20) 0.18(mm)
ZZZZZ		03/23/2024 08:49	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/23/2024 09:12	80		ZB-624 (20) 0.18(mm)
ZZZZZ		03/23/2024 09:34	80		ZB-624 (20) 0.18(mm)
ZZZZZ		03/23/2024 09:57	2		ZB-624 (20) 0.18(mm)
ZZZZZ		03/23/2024 10:19	2		ZB-624 (20) 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Batch Number: 703408 Batch Start Date: 03/12/24 14:48 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	8260 CORP mix 00251	BFB_WRK 00158	GAS CORP mix 00611	N 8260 IS 00266
BFB 480-703408/9		8260C			1 uL	1 uL		1 uL		
IC 480-703408/11		8260C			5 mL	5 mL	0.5 uL		0.5 uL	1 uL
IC 480-703408/12		8260C			5 mL	5 mL	1 uL		1 uL	1 uL
IC 480-703408/13		8260C			5 mL	5 mL	2 uL		2 uL	1 uL
IC 480-703408/14		8260C			5 mL	5 mL	5 uL		5 uL	1 uL
IC 480-703408/15		8260C			5 mL	5 mL	5 uL		5 uL	1 uL
ICIS 480-703408/16		8260C			5 mL	5 mL	12.5 uL		12.5 uL	1 uL
IC 480-703408/17		8260C			5 mL	5 mL	25 uL		25 uL	1 uL
IC 480-703408/18		8260C			5 mL	5 mL	50 uL		50 uL	1 uL
ICV 480-703408/32		8260C			5 mL	5 mL				1 uL
ICV 480-703408/33		8260C			5 mL	5 mL				1 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	N_8260_Surr 00468	SS 8260 CORP 00113	SS ADD CORP 00091	SS GAS CORP 00572		
BFB 480-703408/9		8260C								
IC 480-703408/11		8260C			1 uL					
IC 480-703408/12		8260C			1 uL					
IC 480-703408/13		8260C			1 uL					
IC 480-703408/14		8260C			1 uL					
IC 480-703408/15		8260C			1 uL					
ICIS 480-703408/16		8260C			1 uL					
IC 480-703408/17		8260C			1 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Batch Number: 703408 Batch Start Date: 03/12/24 14:48 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	N_8260_Surr 00468	SS 8260 CORP 00113	SS ADD CORP 00091	SS GAS CORP 00572		
IC 480-703408/18		8260C			1 uL					
ICV 480-703408/32		8260C			1 uL	12.5 uL		12.5 uL		
ICV 480-703408/33		8260C			1 uL		12.5 uL			

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Batch Number: 703484 Batch Start Date: 03/12/24 19:07 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	8260 CORP mix 00251	BFB_WRK 00158	GAS CORP mix 00611	K WATER IS/SS 00012
BFB 480-703484/5		8260C			1 uL	1 uL		1 uL		
IC 480-703484/7		8260C			5 mL	5 mL	0.4 uL		0.4 uL	5 uL
IC 480-703484/8		8260C			5 mL	5 mL	1 uL		1 uL	5 uL
IC 480-703484/9		8260C			5 mL	5 mL	2 uL		2 uL	5 uL
IC 480-703484/10		8260C			5 mL	5 mL	5 uL		5 uL	5 uL
IC 480-703484/11		8260C			5 mL	5 mL	5 uL		5 uL	5 uL
ICIS 480-703484/12		8260C			5 mL	5 mL	12.5 uL		12.5 uL	5 uL
IC 480-703484/13		8260C			5 mL	5 mL	25 uL		25 uL	5 uL
IC 480-703484/14		8260C			5 mL	5 mL	50 uL		50 uL	5 uL
ICV 480-703484/28		8260C			5 mL	5 mL				5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SS 8260 CORP 00113	SS GAS CORP 00572				
BFB 480-703484/5		8260C								
IC 480-703484/7		8260C								
IC 480-703484/8		8260C								
IC 480-703484/9		8260C								
IC 480-703484/10		8260C								
IC 480-703484/11		8260C								
ICIS 480-703484/12		8260C								
IC 480-703484/13		8260C								
IC 480-703484/14		8260C								
ICV 480-703484/28		8260C			12.5 uL	12.5 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 Buffalo Job No.: 480-218035-1

SDG No.:

Batch Number: 703484 Batch Start Date: 03/12/24 19:07 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Batch Number: 704702 Batch Start Date: 03/22/24 10:46 Batch Analyst: Cizdziel, Caitlyn

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00250	BFB_WRK 00158	GAS CORP mix 00613
BFB 480-704702/3		8260C			1 uL	1 uL			1 uL	
CCVIS 480-704702/4		8260C			5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-704702/6		8260C			5 mL	5 mL		12.5 uL		12.5 uL
MB 480-704702/8		8260C			5 mL	5 mL				
480-218035-A-1	VRI-3	8260C	Water	T	5 mL	5 mL	<2 SU			
480-218035-A-2	VRI-1	8260C	Water	T	5 mL	5 mL	<2 SU			
480-218035-A-3	VRI-4	8260C	Water	T	5 mL	5 mL	<2 SU			
480-218035-A-4	GT-14	8260C	Water	T	5 mL	5 mL	<2 SU			
480-218035-A-5	GT-9R	8260C	Water	T	5 mL	5 mL	<2 SU			
480-218035-A-6	GT-16	8260C	Water	T	5 mL	5 mL	<2 SU			
480-218035-A-7	IW-6	8260C	Water	T	5 mL	5 mL	<2 SU			
480-218035-A-8	DUP-03192024	8260C	Water	T	5 mL	5 mL	<2 SU			
480-218035-A-9	EQUIPMENT BLANK-20240319	8260C	Water	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	N 8260 IS 00265	N_8260_Surr 00467	AnalysisComment			
BFB 480-704702/3		8260C								
CCVIS 480-704702/4		8260C			1 uL	1 uL				
LCS 480-704702/6		8260C			1 uL	1 uL				
MB 480-704702/8		8260C			1 uL	1 uL				
480-218035-A-1	VRI-3	8260C	Water	T	1 uL	1 uL				
480-218035-A-2	VRI-1	8260C	Water	T	1 uL	1 uL	target			
480-218035-A-3	VRI-4	8260C	Water	T	1 uL	1 uL				
480-218035-A-4	GT-14	8260C	Water	T	1 uL	1 uL				
480-218035-A-5	GT-9R	8260C	Water	T	1 uL	1 uL				
480-218035-A-6	GT-16	8260C	Water	T	1 uL	1 uL				
480-218035-A-7	IW-6	8260C	Water	T	1 uL	1 uL	target			

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 Buffalo Job No.: 480-218035-1

SDG No.:

Batch Number: 704702 Batch Start Date: 03/22/24 10:46 Batch Analyst: Cizdziel, Caitlyn

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	N 8260 IS 00265	N_8260_Surr 00467	AnalysisComment			
480-218035-A-8	DUP-03192024	8260C	Water	T	1 uL	1 uL	target			
480-218035-A-9	EQUIPMENT BLANK-20240319	8260C	Water	T	1 uL	1 uL				

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Batch Number: 704785 Batch Start Date: 03/22/24 22:44 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00250	BFB_WRK 00158	GAS CORP mix 00613
BFB 480-704785/3		8260C			1 uL	1 uL			1 uL	
CCVIS 480-704785/4		8260C			5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-704785/6		8260C			5 mL	5 mL		12.5 uL		12.5 uL
MB 480-704785/8		8260C			5 mL	5 mL				
480-218035-A-11	TRIP BLANK-20240319	8260C	Water	T	5 mL	5 mL	<2 SU			
480-218035-B-12	VRI-10	8260C	Water	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	K WATER IS/SS 00012					
BFB 480-704785/3		8260C								
CCVIS 480-704785/4		8260C			5 uL					
LCS 480-704785/6		8260C			5 uL					
MB 480-704785/8		8260C			5 uL					
480-218035-A-11	TRIP BLANK-20240319	8260C	Water	T	5 uL					
480-218035-B-12	VRI-10	8260C	Water	T	5 uL					

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Batch Number: 704994 Batch Start Date: 03/25/24 21:25 Batch Analyst: Nyhart, Zachary

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	8260 CORP mix 00251	BFB_WRK 00158	GAS CORP mix 00613	S_8260_IS 00383
BFB 480-704994/5		8260C			1 uL	1 uL		1 uL		
IC 480-704994/7		8260C			5 mL	5 mL	0.5 uL		0.5 uL	1 uL
IC 480-704994/8		8260C			5 mL	5 mL	1 uL		1 uL	1 uL
IC 480-704994/9		8260C			5 mL	5 mL	2 uL		2 uL	1 uL
IC 480-704994/10		8260C			5 mL	5 mL	5 uL		5 uL	1 uL
IC 480-704994/11		8260C			5 mL	5 mL	5 uL		5 uL	1 uL
ICIS 480-704994/12		8260C			5 mL	5 mL	12.5 uL		12.5 uL	1 uL
IC 480-704994/13		8260C			5 mL	5 mL	25 uL		25 uL	1 uL
IC 480-704994/14		8260C			5 mL	5 mL	50 uL		50 uL	1 uL
ICV 480-704994/28		8260C			5 mL	5 mL				1 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	S_8260_Surr 00475	SS 8260 CORP 00113	SS GAS CORP 00574			
BFB 480-704994/5		8260C								
IC 480-704994/7		8260C			1 uL					
IC 480-704994/8		8260C			1 uL					
IC 480-704994/9		8260C			1 uL					
IC 480-704994/10		8260C			1 uL					
IC 480-704994/11		8260C			1 uL					
ICIS 480-704994/12		8260C			1 uL					
IC 480-704994/13		8260C			1 uL					
IC 480-704994/14		8260C			1 uL					
ICV 480-704994/28		8260C			1 uL	12.5 uL	12.5 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 Buffalo Job No.: 480-218035-1

SDG No.:

Batch Number: 704994 Batch Start Date: 03/25/24 21:25 Batch Analyst: Nyhart, Zachary

Batch Method: 8260C Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-218035-1

SDG No.:

Batch Number: 705062 Batch Start Date: 03/26/24 12:39 Batch Analyst: Santillano, Ray

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00251	BFB_WRK 00158	GAS CORP mix 00613
BFB 480-705062/3		8260C			1 uL	1 uL			1 uL	
CCVIS 480-705062/4		8260C			5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-705062/6		8260C			5 mL	5 mL		12.5 uL		12.5 uL
MB 480-705062/8		8260C			5 mL	5 mL				
480-218035-B-10	IW-3	8260C	Water	T	5 mL	5 mL	<2 SU			
480-218035-B-10 MS	IW-3-MS	8260C	Water	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL
480-218035-B-10 MSD	IW-3-MSD	8260C	Water	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	S_8260_IS 00382	S_8260_IS 00383	S_8260_Surr 00474	S_8260_Surr 00475		
BFB 480-705062/3		8260C								
CCVIS 480-705062/4		8260C			1 uL		1 uL			
LCS 480-705062/6		8260C			1 uL		1 uL			
MB 480-705062/8		8260C				1 uL		1 uL		
480-218035-B-10	IW-3	8260C	Water	T		1 uL		1 uL		
480-218035-B-10 MS	IW-3-MS	8260C	Water	T		1 uL		1 uL		
480-218035-B-10 MSD	IW-3-MSD	8260C	Water	T		1 uL		1 uL		

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

Address: _____

#224

Chain of Custody Record

638962

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Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Suzy Wells	Site Contact: Andrew Gibson	Date: 3/19/24	COC No:
Company Name: Arcadis U.S. Inc	Tel/Email: suzy.wells@arcadis.com	Lab Contact: John Schove	Carrier:	1 of 2 COCs
Address: 11400 Parkside Drive Suite 410	Analysis Turnaround Time			Sampler:
City/State/Zip: Knoxville/TN/37934	☒ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (865)621-9474	TAT if different from Below _____			Walk-in Client:
Fax:	☑ 2 weeks			Lab Sampling:
Project Name: GE Riverview	☐ 1 week			Job / SDG No.:
Site:	☐ 2 days			
PO# 30006483.30005	☐ 1 day			Sample Specific Notes:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs 8260
VRI-3	3/14/24	1015	G	GW		N	N	✓
VRI-1	3/14/24	1210	G	GW		N	N	✓
VRI-4	3/14/24	1152	G	GW		N	N	✓
GT-14	3/14/24	1401	G	GW		N	N	✓
GT-9R	3/15/24	1605	G	GW		N	N	✓
GT-16	3/15/24	1345	G	GW		N	N	✓
IW-6	3/14/24	1010	G	GW		N	N	✓
IW-3-MS	3/14/24	1435	G	GW		N	Y	✓
IW-3-MSD	3/14/24	1435	G	GW		N	Y	✓
DUP-03142024	3/14/24	—	G	GW		N	N	✓
Equipment Blank-20240314	3/14/24	1520	G	GW		N	N	✓
IW-3	3/14/24	1435	G	GW		N	N	✓

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples

☐ Return to Client ☒ Disposal by Lab ☐ _____ Months

480-218035 Chain of Custody

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Andrew Gibson	Arcadis	3/19/24 1733		FEETN	3-19-24 1733
Relinquished by: Tim Wollmer	Company: FEETN	Date/Time: 3-20-24 1500	Received by:	Company: TAB	Date/Time: 3-21-24 1000
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

2.2 ICE

Address: _____

#224

Chain of Custody Record 556564

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Suzy Wells	Site Contact: Andrew Gibson	Date: 3/19/24	COC No:
Company Name: Arcadis U.S. Inc	Tel/Email: suzy.wells@arcadis.com	Lab Contact: John Schove	Carrier:	2 of 2 COCs
Address: 11400 Parkside Drive, Suite 110	Analysis Turnaround Time			Sampler:
City/State/Zip: Knoxville, TN, 37934	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (865) 621-9477	TAT if different from Below _____			Walk-in Client:
Fax:	☑ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Lab Sampling:
Project Name: GE Riverview				Job / SDG No.:
Site:				
PO# 30006183.30005				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs 5260	Sample Specific Notes:
Trip Blank-20240319	3/18/24	-	G	W		N	N	✓	
VPI-10	3/14/24	1557	G	GW		N	N	✓	
								2	

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Andrew Gibson	Arcadis	3/19/24 1733	Tim Hollingsworth	FEETW	3-19-24 1733
Relinquished by: Tim Hollingsworth	Company: FEETW	Date/Time: 3-20-24 1500	Received by: Lyn	Company: TAB	Date/Time: 3-21-24 1000
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: Arcadis U.S., Inc.

Job Number: 480-218035-1

Login Number: 218035
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	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	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Appendix C

Data Usability Summary Report

GE Riverview

Data Usability Summary Report

Rotterdam, New York

Volatile Organic Compound (VOC) Analysis

SDG # 480-218035-1

Analyses Performed By:
Eurofins TestAmerica
Buffalo, New York, USA

Report #53864R
Review Level: Tier III
Project: 30006483.000NB

Summary

This Data Usability Summary Report (DUSR) summarizes the review of Sample Delivery Group (SDG) #480-218035-1 for samples collected in association with the GE Riverview Site in Rotterdam, NY. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis
					VOC
VRI-3	480-218035-1	Water	3/19/2024		X
VRI-1	480-218035-2	Water	3/19/2024		X
VRI-4	480-218035-3	Water	3/19/2024		X
GT-14	480-218035-4	Water	3/19/2024		X
GT-9R	480-218035-5	Water	3/18/2024		X
GT-16	480-218035-6	Water	3/18/2024		X
IW-6	480-218035-7	Water	3/19/2024		X
DUP-03192024	480-218035-8	Water	3/19/2024	VRI-1	X
EQUIPMENT BLANK-20240319	480-218035-9	Water	3/19/2024		X
IW-3	480-218035-10	Water	3/19/2024		X
TRIP BLANK-20240319	480-218035-11	Water	3/18/2024		X
VRI-10	480-218035-12	Water	3/19/2024		X

Note:
VOC = Volatile Organic Compounds

Analytical Data Package Documentation

The table below evaluates the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed chain-of-custody form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data package completeness and compliance		X		X	

Note:
QA = quality assurance

Organic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260C. Data were reviewed in accordance with the USEPA Region II validation guidelines *Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260C* (SOP #HW-24, October 2006); the USEPA *National Functional Guidelines for Organic Superfund Methods Data Review* (November 2020); and the USEPA *Contract Laboratory Program National Functional Guidelines for Organic Data Review* (October 1999).

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration Qualifiers
  - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
  - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation Qualifiers
  - E The compound was quantitated above the calibration range.
  - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
  - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
  - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
  - UB Compound is considered non-detect at the listed value due to associated blank contamination.
  - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
  - R The sample results are rejected.

The "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second

fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Volatile Organic Compound (VOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8260C	Water	14 days from collection to analysis (preserved) 7 days from collection to analysis (non-preserved)	Cool to <6°C; preserved to a pH of less than 2 s.u.

Note:
s.u. = standard units

All samples were analyzed within the specified holding time criterion.

2. Blank Contamination

QA blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample ID	Initial/Continuing	Compounds	Criteria
VRI-3 VRI-1 VRI-4 GT-14 GT-9R GT-16 IW-6 DUP-03192024 EQUIPMENT BLANK-20240319	CCV %D	Bromomethane	-23.2 %
		trans-1,3-Dichloropropene	+21.1 %
TRIP BLANK-20240319 VRI-10	CCV %D	4-Methyl-2-pentanone (MIBK)	+20.4 %
		2-Hexanone	+24.5 %

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J

Initial/Continuing	Criteria	Sample Result	Qualification
	RRF <0.01[1]	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.01[1]	Non-detect	No Action
		Detect	
Initial Calibration	%RSD > 20% or a correlation coefficient <0.99	Non-detect	UJ
		Detect	J
	%RSD >90%	Non-detect	R
		Detect	J
Initial Calibration Verification (ICV) / Continuing Calibration Verification (CCV)	%D >20% (increase/increase in sensitivity)	Non-detect	UJ
		Detect	J
	%D >90% (increase/decrease in sensitivity)	Non-detect	R
		Detect	J

Note:

[1] RRF of 0.01 only applies to compounds which are typically poor responding compounds (i.e., ketones, 1,4-dioxane, etc.)

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the gas chromatography/mass spectrometry (GC/MS) sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis performed on sample IW-3 exhibiting recoveries outside of the control limits presented in the following table.

Sample ID	Compounds	MS Recovery	MSD Recovery
IW-3	1,2,4-Trimethylbenzene	AC	> UL
	1,3,5-Trimethylbenzene	AC	> UL
	Xylenes, Total	AC	> UL

Notes:
LL = Lower control limit
UL = Upper control limit
AC = Acceptable

The criteria used to evaluate the MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
SR>4X: Parent sample concentration > four times the MS/MSD spiking solution concentration.	Detect	No Action
	Non-detect	

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

Samples associated with LCS analysis exhibiting recoveries outside of the control limits presented in the following table.

Sample ID	Batch	Compound	LCS Recovery
VRI-3 VRI-1 VRI-4 GT-14 GT-9R GT-16 IW-6 DUP-03192024 EQUIPMENT BLANK-20240319	704702	trans-1,3-Dichloropropene	> UL
TRIP BLANK-20240319 VRI-10	704785	1,1,2,2-Tetrachloroethane	> UL
		2-Hexanone	> UL

Note:
UL = Upper control limit

The criteria used to evaluate the LCS recoveries are presented in the following table. In the case of an LCS deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

Results for duplicate samples are summarized in the following table.

Sample ID / Duplicate ID	Compounds	Sample Result	Duplicate Result	RPD
VRI-1 / DUP-03192024	1,2,4-Trimethylbenzene	4100	4200	2.2%
	1,3,5-Trimethylbenzene	3300	3300	0.0%
	Isopropylbenzene	160	150	AC
	N-Propylbenzene	110	110	AC
	Styrene	160	160	AC
	Xylenes, Total	5400	5300	2.1 %

Note:
AC = Acceptable

The results and calculated RPDs between the parent sample and field duplicate were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for VOCs

VOCs: SW-846 8260C	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment/Field blanks		X		X	
C. Trip blanks		X		X	
Laboratory Control Sample (LCS) %R		X	X		
Laboratory Control Sample Duplicate (LCSD) %R	X				X
LCS/LCSD Precision (RPD)	X				X
Matrix Spike (MS) %R		X	X		
Matrix Spike Duplicate(MSD) %R		X	X		
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Initial calibration %Ds		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X	X		

VOCs: SW-846 8260C	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%RSD Relative standard deviation
%R Percent recovery
RPD Relative percent difference
%D Percent difference

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]				Non-compliance
					VOC	SVOC	PFAS	MISC	
480-218035-1	3/19/2024	SW846/SM	VRI-3	Water	no	--	--	--	VOC – CCV %D
	3/19/2024	SW846/SM	VRI-1	Water	no	--	--	--	VOC – CCV %D
	3/19/2024	SW846/SM	VRI-4	Water	no	--	--	--	VOC – CCV %D
	3/19/2024	SW846/SM	GT-14	Water	no	--	--	--	VOC – CCV %D
	3/18/2024	SW846/SM	GT-9R	Water	no	--	--	--	VOC – CCV %D
	3/18/2024	SW846/SM	GT-16	Water	no	--	--	--	VOC – CCV %D
	3/19/2024	SW846/SM	IW-6	Water	no	--	--	--	VOC – CCV %D
	3/19/2024	SW846/SM	DUP-03192024	Water	no	--	--	--	VOC – CCV %D
	3/19/2024	SW846/SM	EQUIPMENT BLANK-20240319	Water	no	--	--	--	VOC – CCV %D
	3/19/2024	SW846/SM	IW-3	Water	no	--	--	--	VOC – MS/MSD % recovery exceedance
	3/18/2024	SW846/SM	TRIP BLANK-20240319	Water	no	--	--	--	VOC – CCV %D
	3/19/2024	SW846/SM	VRI-10	Water	no	--	--	--	VOC – CCV %D

Note:

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

VALIDATION PERFORMED BY: Bhagyashree Fulzele

SIGNATURE:

DATE: June 17, 2024

PEER REVIEW: Andrew Korycinski

DATE: June 17, 2024

Chain of Custody Corrected Sample Analysis Data Sheets

Address: _____

#224

Chain of Custody Record

638962

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Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Suzy Wells	Site Contact: Andrew Gibson	Date: 3/19/24	COC No:
Company Name: Arcadis U.S. Inc	Tel/Email: suzy.wells@arcadis.com	Lab Contact: John Schove	Carrier:	1 of 2 COCs
Address: 11400 Parkside Drive Suite 410	Analysis Turnaround Time			Sampler:
City/State/Zip: Knoxville/TN/37934	☒ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (865)621-9474	TAT if different from Below _____			Walk-in Client:
Fax:	☑ 2 weeks			Lab Sampling:
Project Name: GE Riverview	☐ 1 week			Job / SDG No.:
Site:	☐ 2 days			
PO# 30006483.30005	☐ 1 day			Sample Specific Notes:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs 8260
VRI-3	3/14/24	1015	G	GW		N	N	✓
VRI-1	3/14/24	1210	G	GW		N	N	✓
VRI-4	3/14/24	1152	G	GW		N	N	✓
GT-14	3/14/24	1401	G	GW		N	N	✓
GT-9R	3/15/24	1605	G	GW		N	N	✓
GT-16	3/15/24	1345	G	GW		N	N	✓
IW-6	3/14/24	1010	G	GW		N	N	✓
IW-3-MS	3/14/24	1435	G	GW		N	Y	✓
IW-3-MSD	3/14/24	1435	G	GW		N	Y	✓
DUP-03142024	3/14/24	—	G	GW		N	N	✓
Equipment Blank-20240314	3/14/24	1520	G	GW		N	N	✓
IW-3	3/14/24	1435	G	GW		N	N	✓

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples

☐ Return to Client ☒ Disposal by Lab ☐ _____ Months

480-218035 Chain of Custody

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Andrew Gibson	Arcadis	3/19/24 1733		FEETN	3-19-24 1733
Relinquished by: Tim Wollmer	Company: FEETN	Date/Time: 3-20-24 1500	Received by:	Company: TAB	Date/Time: 3-21-24 1000
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

2.2 ICE

Address: _____

#224

Chain of Custody Record 556564

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Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Suzy Wells	Site Contact: Andrew Gibson	Date: 3/19/24	COC No:
Company Name: Arcadis U.S. Inc	Tel/Email: suzy.wells@arcadis.com	Lab Contact: John Schove	Carrier:	2 of 2 COCs
Address: 11400 Parkside Drive, Suite 110	Analysis Turnaround Time			Sampler:
City/State/Zip: Knoxville, TN, 37934	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (865) 621-9477	TAT if different from Below _____			Walk-in Client:
Fax:	☑ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Lab Sampling:
Project Name: GE Riverview				Job / SDG No.:
Site:				
PO# 30006183.30005				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs 5260	Sample Specific Notes:
Trip Blank-20240319	3/18/24	-	G	W		N	N	✓	
VPI-10	3/14/24	1557	G	GW		N	N	✓	
								2	

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Andrew Gibson	Arcadis	3/19/24 1733	Tim Hollingsworth	FEETW	3-19-24 1733
Relinquished by: Tim Hollingsworth	Company: FEETW	Date/Time: 3-20-24 1500	Received by: Lyn	Company: TAB	Date/Time: 3-21-24 1000
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Client Sample ID: VRI-3

Date Collected: 03/19/24 10:15
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/24 15:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/24 15:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/22/24 15:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/24 15:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/24 15:17	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/24 15:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/24 15:17	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/22/24 15:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/24 15:17	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/22/24 15:17	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/24 15:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/24 15:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/24 15:17	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/22/24 15:17	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/24 15:17	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/24 15:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/24 15:17	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/24 15:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/24 15:17	1
Acetone	ND		10	3.0	ug/L			03/22/24 15:17	1
Benzene	ND		1.0	0.41	ug/L			03/22/24 15:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/24 15:17	1
Bromoform	ND		1.0	0.26	ug/L			03/22/24 15:17	1
Bromomethane	ND	UJ	1.0	0.69	ug/L			03/22/24 15:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/24 15:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/24 15:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/24 15:17	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/24 15:17	1
Chloroform	ND		1.0	0.34	ug/L			03/22/24 15:17	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/24 15:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/24 15:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/24 15:17	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/24 15:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/22/24 15:17	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/24 15:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/24 15:17	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/24 15:17	1
Methyl acetate	ND		2.5	1.3	ug/L			03/22/24 15:17	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/24 15:17	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/24 15:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/24 15:17	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/22/24 15:17	1
Styrene	ND		1.0	0.73	ug/L			03/22/24 15:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/24 15:17	1
Toluene	ND		1.0	0.51	ug/L			03/22/24 15:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/24 15:17	1
trans-1,3-Dichloropropene	ND	*+ UJ	1.0	0.37	ug/L			03/22/24 15:17	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/24 15:17	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/24 15:17	1

Client Sample ID: VRI-3

Date Collected: 03/19/24 10:15
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/24 15:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/24 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 120*		*03/22/24 15:17*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*03/22/24 15:17*	*1*
Dibromofluoromethane (Surr)	*84*		*75 - 123*		*03/22/24 15:17*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*03/22/24 15:17*	*1*

Client Sample ID: VRI-1

Date Collected: 03/19/24 12:10
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	82	ug/L			03/22/24 15:39	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			03/22/24 15:39	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			03/22/24 15:39	100
1,1,2-Trichloroethane	ND		100	23	ug/L			03/22/24 15:39	100
1,1-Dichloroethane	ND		100	38	ug/L			03/22/24 15:39	100
1,1-Dichloroethene	ND		100	29	ug/L			03/22/24 15:39	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			03/22/24 15:39	100
1,2,4-Trimethylbenzene	**4100**		100	75	ug/L			03/22/24 15:39	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			03/22/24 15:39	100
1,2-Dibromoethane	ND		100	73	ug/L			03/22/24 15:39	100
1,2-Dichlorobenzene	ND		100	79	ug/L			03/22/24 15:39	100
1,2-Dichloroethane	ND		100	21	ug/L			03/22/24 15:39	100
1,2-Dichloropropane	ND		100	72	ug/L			03/22/24 15:39	100
1,3,5-Trimethylbenzene	**3300**		100	77	ug/L			03/22/24 15:39	100
1,3-Dichlorobenzene	ND		100	78	ug/L			03/22/24 15:39	100
1,4-Dichlorobenzene	ND		100	84	ug/L			03/22/24 15:39	100
2-Butanone (MEK)	ND		1000	130	ug/L			03/22/24 15:39	100
2-Hexanone	ND		500	120	ug/L			03/22/24 15:39	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			03/22/24 15:39	100
Acetone	ND		1000	300	ug/L			03/22/24 15:39	100
Benzene	ND		100	41	ug/L			03/22/24 15:39	100
Bromodichloromethane	ND		100	39	ug/L			03/22/24 15:39	100
Bromoform	ND		100	26	ug/L			03/22/24 15:39	100
Bromomethane	ND	UJ	100	69	ug/L			03/22/24 15:39	100
Carbon disulfide	ND		100	19	ug/L			03/22/24 15:39	100
Carbon tetrachloride	ND		100	27	ug/L			03/22/24 15:39	100
Chlorobenzene	ND		100	75	ug/L			03/22/24 15:39	100
Chloroethane	ND		100	32	ug/L			03/22/24 15:39	100
Chloroform	ND		100	34	ug/L			03/22/24 15:39	100
Chloromethane	ND		100	35	ug/L			03/22/24 15:39	100
cis-1,2-Dichloroethene	ND		100	81	ug/L			03/22/24 15:39	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			03/22/24 15:39	100
Cyclohexane	ND		100	18	ug/L			03/22/24 15:39	100
Dibromochloromethane	ND		100	32	ug/L			03/22/24 15:39	100
Dichlorodifluoromethane	ND		100	68	ug/L			03/22/24 15:39	100

Client Sample ID: VRI-1

Date Collected: 03/19/24 12:10
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		100	74	ug/L			03/22/24 15:39	100
Isopropylbenzene	**160**		100	79	ug/L			03/22/24 15:39	100
Methyl acetate	ND		250	130	ug/L			03/22/24 15:39	100
Methyl tert-butyl ether	ND		100	16	ug/L			03/22/24 15:39	100
Methylcyclohexane	ND		100	16	ug/L			03/22/24 15:39	100
Methylene Chloride	ND		100	44	ug/L			03/22/24 15:39	100
N-Propylbenzene	**110**		100	69	ug/L			03/22/24 15:39	100
Styrene	**160**		100	73	ug/L			03/22/24 15:39	100
Tetrachloroethene	ND		100	36	ug/L			03/22/24 15:39	100
Toluene	ND		100	51	ug/L			03/22/24 15:39	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			03/22/24 15:39	100
trans-1,3-Dichloropropene	ND	** UJ	100	37	ug/L			03/22/24 15:39	100
Trichloroethene	ND		100	46	ug/L			03/22/24 15:39	100
Trichlorofluoromethane	ND		100	88	ug/L			03/22/24 15:39	100
Vinyl chloride	ND		100	90	ug/L			03/22/24 15:39	100
Xylenes, Total	**5400**		200	66	ug/L			03/22/24 15:39	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*		*03/22/24 15:39*	*100*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*03/22/24 15:39*	*100*
Dibromofluoromethane (Surr)	*85*		*75 - 123*		*03/22/24 15:39*	*100*
Toluene-d8 (Surr)	*107*		*80 - 120*		*03/22/24 15:39*	*100*

Client Sample ID: VRI-4

Date Collected: 03/19/24 11:52
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/24 16:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/24 16:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/22/24 16:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/24 16:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/24 16:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/24 16:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/24 16:01	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/22/24 16:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/24 16:01	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/22/24 16:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/24 16:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/24 16:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/24 16:01	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/22/24 16:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/24 16:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/24 16:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/24 16:01	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/24 16:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/24 16:01	1
Acetone	ND		10	3.0	ug/L			03/22/24 16:01	1
Benzene	ND		1.0	0.41	ug/L			03/22/24 16:01	1

Client Sample ID: VRI-4

Date Collected: 03/19/24 11:52
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/24 16:01	1
Bromoform	ND		1.0	0.26	ug/L			03/22/24 16:01	1
Bromomethane	ND	UJ	1.0	0.69	ug/L			03/22/24 16:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/24 16:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/24 16:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/24 16:01	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/24 16:01	1
Chloroform	ND		1.0	0.34	ug/L			03/22/24 16:01	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/24 16:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/24 16:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/24 16:01	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/24 16:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/22/24 16:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/24 16:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/24 16:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/24 16:01	1
Methyl acetate	ND		2.5	1.3	ug/L			03/22/24 16:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/24 16:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/24 16:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/24 16:01	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/22/24 16:01	1
Styrene	ND		1.0	0.73	ug/L			03/22/24 16:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/24 16:01	1
Toluene	ND		1.0	0.51	ug/L			03/22/24 16:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/24 16:01	1
trans-1,3-Dichloropropene	ND	UJ	1.0	0.37	ug/L			03/22/24 16:01	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/24 16:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/24 16:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/24 16:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/24 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*77 - 120*		*03/22/24 16:01*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*03/22/24 16:01*	*1*
Dibromofluoromethane (Surr)	*79*		*75 - 123*		*03/22/24 16:01*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/22/24 16:01*	*1*

Client Sample ID: GT-14

Date Collected: 03/19/24 14:01
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/24 16:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/24 16:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/22/24 16:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/24 16:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/24 16:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/24 16:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/24 16:24	1

Client Sample ID: GT-14

Date Collected: 03/19/24 14:01
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/22/24 16:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/24 16:24	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/22/24 16:24	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/24 16:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/24 16:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/24 16:24	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/22/24 16:24	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/24 16:24	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/24 16:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/24 16:24	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/24 16:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/24 16:24	1
Acetone	ND		10	3.0	ug/L			03/22/24 16:24	1
Benzene	ND		1.0	0.41	ug/L			03/22/24 16:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/24 16:24	1
Bromoform	ND		1.0	0.26	ug/L			03/22/24 16:24	1
Bromomethane	ND	UJ	1.0	0.69	ug/L			03/22/24 16:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/24 16:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/24 16:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/24 16:24	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/24 16:24	1
Chloroform	ND		1.0	0.34	ug/L			03/22/24 16:24	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/24 16:24	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/24 16:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/24 16:24	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/24 16:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/22/24 16:24	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/24 16:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/24 16:24	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/24 16:24	1
Methyl acetate	ND		2.5	1.3	ug/L			03/22/24 16:24	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/24 16:24	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/24 16:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/24 16:24	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/22/24 16:24	1
Styrene	ND		1.0	0.73	ug/L			03/22/24 16:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/24 16:24	1
Toluene	ND		1.0	0.51	ug/L			03/22/24 16:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/24 16:24	1
trans-1,3-Dichloropropene	ND	UJ	1.0	0.37	ug/L			03/22/24 16:24	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/24 16:24	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/24 16:24	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/24 16:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/24 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*		*77 - 120*		*03/22/24 16:24*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*03/22/24 16:24*	*1*
Dibromofluoromethane (Surr)	*79*		*75 - 123*		*03/22/24 16:24*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*03/22/24 16:24*	*1*

Client Sample ID: GT-9R

Date Collected: 03/18/24 16:05
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/24 16:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/24 16:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/22/24 16:46	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/24 16:46	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/24 16:46	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/24 16:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/24 16:46	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/22/24 16:46	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/24 16:46	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/22/24 16:46	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/24 16:46	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/24 16:46	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/24 16:46	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/22/24 16:46	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/24 16:46	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/24 16:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/24 16:46	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/24 16:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/24 16:46	1
Acetone	ND		10	3.0	ug/L			03/22/24 16:46	1
Benzene	ND		1.0	0.41	ug/L			03/22/24 16:46	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/24 16:46	1
Bromoform	ND		1.0	0.26	ug/L			03/22/24 16:46	1
Bromomethane	ND	UJ	1.0	0.69	ug/L			03/22/24 16:46	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/24 16:46	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/24 16:46	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/24 16:46	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/24 16:46	1
Chloroform	ND		1.0	0.34	ug/L			03/22/24 16:46	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/24 16:46	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/24 16:46	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/24 16:46	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/24 16:46	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/22/24 16:46	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/24 16:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/24 16:46	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/24 16:46	1
Methyl acetate	ND		2.5	1.3	ug/L			03/22/24 16:46	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/24 16:46	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/24 16:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/24 16:46	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/22/24 16:46	1
Styrene	ND		1.0	0.73	ug/L			03/22/24 16:46	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/24 16:46	1
Toluene	ND		1.0	0.51	ug/L			03/22/24 16:46	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/24 16:46	1
trans-1,3-Dichloropropene	ND	UJ	1.0	0.37	ug/L			03/22/24 16:46	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/24 16:46	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/24 16:46	1

Client Sample ID: GT-9R

Date Collected: 03/18/24 16:05
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/24 16:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/24 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*77 - 120*		*03/22/24 16:46*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*03/22/24 16:46*	*1*
Dibromofluoromethane (Surr)	*81*		*75 - 123*		*03/22/24 16:46*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*03/22/24 16:46*	*1*

Client Sample ID: GT-16

Date Collected: 03/18/24 13:45
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/24 17:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/24 17:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/22/24 17:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/24 17:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/24 17:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/24 17:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/24 17:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/22/24 17:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/24 17:08	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/22/24 17:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/24 17:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/24 17:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/24 17:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/22/24 17:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/24 17:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/24 17:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/24 17:08	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/24 17:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/24 17:08	1
Acetone	ND		10	3.0	ug/L			03/22/24 17:08	1
Benzene	ND		1.0	0.41	ug/L			03/22/24 17:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/24 17:08	1
Bromoform	ND		1.0	0.26	ug/L			03/22/24 17:08	1
Bromomethane	ND	UJ	1.0	0.69	ug/L			03/22/24 17:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/24 17:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/24 17:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/24 17:08	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/24 17:08	1
Chloroform	**1.4**		1.0	0.34	ug/L			03/22/24 17:08	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/24 17:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/24 17:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/24 17:08	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/24 17:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/22/24 17:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/24 17:08	1

Client Sample ID: GT-16

Date Collected: 03/18/24 13:45
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/24 17:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/24 17:08	1
Methyl acetate	ND		2.5	1.3	ug/L			03/22/24 17:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/24 17:08	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/24 17:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/24 17:08	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/22/24 17:08	1
Styrene	ND		1.0	0.73	ug/L			03/22/24 17:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/24 17:08	1
Toluene	ND		1.0	0.51	ug/L			03/22/24 17:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/24 17:08	1
trans-1,3-Dichloropropene	ND	UJ	1.0	0.37	ug/L			03/22/24 17:08	1
Trichloroethene	**1.6**		1.0	0.46	ug/L			03/22/24 17:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/24 17:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/24 17:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/24 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*82*		*77 - 120*		*03/22/24 17:08*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*03/22/24 17:08*	*1*
Dibromofluoromethane (Surr)	*76*		*75 - 123*		*03/22/24 17:08*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*03/22/24 17:08*	*1*

Client Sample ID: IW-6

Date Collected: 03/19/24 10:10
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		200	160	ug/L			03/22/24 17:31	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			03/22/24 17:31	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	62	ug/L			03/22/24 17:31	200
1,1,2-Trichloroethane	ND		200	46	ug/L			03/22/24 17:31	200
1,1-Dichloroethane	ND		200	76	ug/L			03/22/24 17:31	200
1,1-Dichloroethene	ND		200	58	ug/L			03/22/24 17:31	200
1,2,4-Trichlorobenzene	ND		200	82	ug/L			03/22/24 17:31	200
1,2,4-Trimethylbenzene	**11000**		200	150	ug/L			03/22/24 17:31	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			03/22/24 17:31	200
1,2-Dibromoethane	ND		200	150	ug/L			03/22/24 17:31	200
1,2-Dichlorobenzene	ND		200	160	ug/L			03/22/24 17:31	200
1,2-Dichloroethane	ND		200	42	ug/L			03/22/24 17:31	200
1,2-Dichloropropane	ND		200	140	ug/L			03/22/24 17:31	200
1,3,5-Trimethylbenzene	**4000**		200	150	ug/L			03/22/24 17:31	200
1,3-Dichlorobenzene	ND		200	160	ug/L			03/22/24 17:31	200
1,4-Dichlorobenzene	ND		200	170	ug/L			03/22/24 17:31	200
2-Butanone (MEK)	ND		2000	260	ug/L			03/22/24 17:31	200
2-Hexanone	ND		1000	250	ug/L			03/22/24 17:31	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			03/22/24 17:31	200
Acetone	ND		2000	600	ug/L			03/22/24 17:31	200
Benzene	ND		200	82	ug/L			03/22/24 17:31	200

Client Sample ID: IW-6

Date Collected: 03/19/24 10:10
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		200	78	ug/L			03/22/24 17:31	200
Bromoform	ND		200	52	ug/L			03/22/24 17:31	200
Bromomethane	ND	UJ	200	140	ug/L			03/22/24 17:31	200
Carbon disulfide	ND		200	38	ug/L			03/22/24 17:31	200
Carbon tetrachloride	ND		200	54	ug/L			03/22/24 17:31	200
Chlorobenzene	ND		200	150	ug/L			03/22/24 17:31	200
Chloroethane	ND		200	64	ug/L			03/22/24 17:31	200
Chloroform	ND		200	68	ug/L			03/22/24 17:31	200
Chloromethane	ND		200	70	ug/L			03/22/24 17:31	200
cis-1,2-Dichloroethene	ND		200	160	ug/L			03/22/24 17:31	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			03/22/24 17:31	200
Cyclohexane	ND		200	36	ug/L			03/22/24 17:31	200
Dibromochloromethane	ND		200	64	ug/L			03/22/24 17:31	200
Dichlorodifluoromethane	ND		200	140	ug/L			03/22/24 17:31	200
Ethylbenzene	**150**	**J**	200	150	ug/L			03/22/24 17:31	200
Isopropylbenzene	**830**		200	160	ug/L			03/22/24 17:31	200
Methyl acetate	ND		500	260	ug/L			03/22/24 17:31	200
Methyl tert-butyl ether	ND		200	32	ug/L			03/22/24 17:31	200
Methylcyclohexane	ND		200	32	ug/L			03/22/24 17:31	200
Methylene Chloride	ND		200	88	ug/L			03/22/24 17:31	200
N-Propylbenzene	**1000**		200	140	ug/L			03/22/24 17:31	200
Styrene	**260**		200	150	ug/L			03/22/24 17:31	200
Tetrachloroethene	ND		200	72	ug/L			03/22/24 17:31	200
Toluene	ND		200	100	ug/L			03/22/24 17:31	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			03/22/24 17:31	200
trans-1,3-Dichloropropene	ND	*+ UJ	200	74	ug/L			03/22/24 17:31	200
Trichloroethene	ND		200	92	ug/L			03/22/24 17:31	200
Trichlorofluoromethane	ND		200	180	ug/L			03/22/24 17:31	200
Vinyl chloride	ND		200	180	ug/L			03/22/24 17:31	200
Xylenes, Total	**9700**		400	130	ug/L			03/22/24 17:31	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 120*		*03/22/24 17:31*	*200*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*03/22/24 17:31*	*200*
Dibromofluoromethane (Surr)	*82*		*75 - 123*		*03/22/24 17:31*	*200*
Toluene-d8 (Surr)	*107*		*80 - 120*		*03/22/24 17:31*	*200*

Client Sample ID: DUP-03192024

Date Collected: 03/19/24 00:00
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	82	ug/L			03/22/24 17:53	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			03/22/24 17:53	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			03/22/24 17:53	100
1,1,2-Trichloroethane	ND		100	23	ug/L			03/22/24 17:53	100
1,1-Dichloroethane	ND		100	38	ug/L			03/22/24 17:53	100
1,1-Dichloroethene	ND		100	29	ug/L			03/22/24 17:53	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			03/22/24 17:53	100

Client Sample ID: DUP-03192024

Date Collected: 03/19/24 00:00
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**4200**		100	75	ug/L			03/22/24 17:53	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			03/22/24 17:53	100
1,2-Dibromoethane	ND		100	73	ug/L			03/22/24 17:53	100
1,2-Dichlorobenzene	ND		100	79	ug/L			03/22/24 17:53	100
1,2-Dichloroethane	ND		100	21	ug/L			03/22/24 17:53	100
1,2-Dichloropropane	ND		100	72	ug/L			03/22/24 17:53	100
1,3,5-Trimethylbenzene	**3300**		100	77	ug/L			03/22/24 17:53	100
1,3-Dichlorobenzene	ND		100	78	ug/L			03/22/24 17:53	100
1,4-Dichlorobenzene	ND		100	84	ug/L			03/22/24 17:53	100
2-Butanone (MEK)	ND		1000	130	ug/L			03/22/24 17:53	100
2-Hexanone	ND		500	120	ug/L			03/22/24 17:53	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			03/22/24 17:53	100
Acetone	ND		1000	300	ug/L			03/22/24 17:53	100
Benzene	ND		100	41	ug/L			03/22/24 17:53	100
Bromodichloromethane	ND		100	39	ug/L			03/22/24 17:53	100
Bromoform	ND		100	26	ug/L			03/22/24 17:53	100
Bromomethane	ND	UJ	100	69	ug/L			03/22/24 17:53	100
Carbon disulfide	ND		100	19	ug/L			03/22/24 17:53	100
Carbon tetrachloride	ND		100	27	ug/L			03/22/24 17:53	100
Chlorobenzene	ND		100	75	ug/L			03/22/24 17:53	100
Chloroethane	ND		100	32	ug/L			03/22/24 17:53	100
Chloroform	ND		100	34	ug/L			03/22/24 17:53	100
Chloromethane	ND		100	35	ug/L			03/22/24 17:53	100
cis-1,2-Dichloroethene	ND		100	81	ug/L			03/22/24 17:53	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			03/22/24 17:53	100
Cyclohexane	ND		100	18	ug/L			03/22/24 17:53	100
Dibromochloromethane	ND		100	32	ug/L			03/22/24 17:53	100
Dichlorodifluoromethane	ND		100	68	ug/L			03/22/24 17:53	100
Ethylbenzene	ND		100	74	ug/L			03/22/24 17:53	100
Isopropylbenzene	**150**		100	79	ug/L			03/22/24 17:53	100
Methyl acetate	ND		250	130	ug/L			03/22/24 17:53	100
Methyl tert-butyl ether	ND		100	16	ug/L			03/22/24 17:53	100
Methylcyclohexane	ND		100	16	ug/L			03/22/24 17:53	100
Methylene Chloride	ND		100	44	ug/L			03/22/24 17:53	100
N-Propylbenzene	**110**		100	69	ug/L			03/22/24 17:53	100
Styrene	**160**		100	73	ug/L			03/22/24 17:53	100
Tetrachloroethene	ND		100	36	ug/L			03/22/24 17:53	100
Toluene	ND		100	51	ug/L			03/22/24 17:53	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			03/22/24 17:53	100
trans-1,3-Dichloropropene	ND	UJ	100	37	ug/L			03/22/24 17:53	100
Trichloroethene	ND		100	46	ug/L			03/22/24 17:53	100
Trichlorofluoromethane	ND		100	88	ug/L			03/22/24 17:53	100
Vinyl chloride	ND		100	90	ug/L			03/22/24 17:53	100
Xylenes, Total	**5300**		200	66	ug/L			03/22/24 17:53	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 120*		*03/22/24 17:53*	*100*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*03/22/24 17:53*	*100*
Dibromofluoromethane (Surr)	*84*		*75 - 123*		*03/22/24 17:53*	*100*
Toluene-d8 (Surr)	*108*		*80 - 120*		*03/22/24 17:53*	*100*

Client Sample ID: EQUIPMENT BLANK-20240319

Date Collected: 03/19/24 15:20
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/24 18:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/24 18:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/22/24 18:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/24 18:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/24 18:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/24 18:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/24 18:15	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/22/24 18:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/24 18:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/22/24 18:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/24 18:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/24 18:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/24 18:15	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/22/24 18:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/24 18:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/24 18:15	1
2-Butanone (MEK)	**1.8**	**J**	10	1.3	ug/L			03/22/24 18:15	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/24 18:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/24 18:15	1
Acetone	**3.4**	**J**	10	3.0	ug/L			03/22/24 18:15	1
Benzene	ND		1.0	0.41	ug/L			03/22/24 18:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/24 18:15	1
Bromoform	ND		1.0	0.26	ug/L			03/22/24 18:15	1
Bromomethane	ND	UJ	1.0	0.69	ug/L			03/22/24 18:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/24 18:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/24 18:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/24 18:15	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/24 18:15	1
Chloroform	ND		1.0	0.34	ug/L			03/22/24 18:15	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/24 18:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/24 18:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/24 18:15	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/24 18:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/22/24 18:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/24 18:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/24 18:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/24 18:15	1
Methyl acetate	ND		2.5	1.3	ug/L			03/22/24 18:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/24 18:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/24 18:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/24 18:15	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/22/24 18:15	1
Styrene	ND		1.0	0.73	ug/L			03/22/24 18:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/24 18:15	1
Toluene	ND		1.0	0.51	ug/L			03/22/24 18:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/24 18:15	1
trans-1,3-Dichloropropene	ND	UJ	1.0	0.37	ug/L			03/22/24 18:15	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/24 18:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/24 18:15	1

Client Sample ID: EQUIPMENT BLANK-20240319

Lab Sample ID: 480-218035-9

Date Collected: 03/19/24 15:20

Matrix: Water

Date Received: 03/21/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/24 18:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/24 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*83*		*77 - 120*		*03/22/24 18:15*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*03/22/24 18:15*	*1*
Dibromofluoromethane (Surr)	*84*		*75 - 123*		*03/22/24 18:15*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*03/22/24 18:15*	*1*

Client Sample ID: IW-3

Lab Sample ID: 480-218035-10

Date Collected: 03/19/24 14:35

Matrix: Water

Date Received: 03/21/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/26/24 16:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/26/24 16:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/26/24 16:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/26/24 16:05	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/26/24 16:05	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/26/24 16:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/26/24 16:05	1
1,2,4-Trimethylbenzene	**29**	~~F1~~ J	1.0	0.75	ug/L			03/26/24 16:05	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/26/24 16:05	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/26/24 16:05	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/26/24 16:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/26/24 16:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/26/24 16:05	1
1,3,5-Trimethylbenzene	**24**	~~F1~~ J	1.0	0.77	ug/L			03/26/24 16:05	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/26/24 16:05	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/26/24 16:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/26/24 16:05	1
2-Hexanone	ND		5.0	1.2	ug/L			03/26/24 16:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/26/24 16:05	1
Acetone	ND		10	3.0	ug/L			03/26/24 16:05	1
Benzene	ND		1.0	0.41	ug/L			03/26/24 16:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/26/24 16:05	1
Bromoform	ND		1.0	0.26	ug/L			03/26/24 16:05	1
Bromomethane	ND		1.0	0.69	ug/L			03/26/24 16:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/26/24 16:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/26/24 16:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/26/24 16:05	1
Chloroethane	ND		1.0	0.32	ug/L			03/26/24 16:05	1
Chloroform	**0.35**	**J**	1.0	0.34	ug/L			03/26/24 16:05	1
Chloromethane	ND		1.0	0.35	ug/L			03/26/24 16:05	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/26/24 16:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/26/24 16:05	1
Cyclohexane	ND		1.0	0.18	ug/L			03/26/24 16:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/26/24 16:05	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/26/24 16:05	1

Client Sample ID: IW-3

Date Collected: 03/19/24 14:35
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			03/26/24 16:05	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/26/24 16:05	1
Methyl acetate	ND		2.5	1.3	ug/L			03/26/24 16:05	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/26/24 16:05	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/26/24 16:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/26/24 16:05	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/26/24 16:05	1
Styrene	ND		1.0	0.73	ug/L			03/26/24 16:05	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/26/24 16:05	1
Toluene	ND		1.0	0.51	ug/L			03/26/24 16:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/26/24 16:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/26/24 16:05	1
Trichloroethene	ND		1.0	0.46	ug/L			03/26/24 16:05	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/26/24 16:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/26/24 16:05	1
Xylenes, Total	**11**	**F1** J	2.0	0.66	ug/L			03/26/24 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*03/26/24 16:05*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*03/26/24 16:05*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*03/26/24 16:05*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*03/26/24 16:05*	*1*

Client Sample ID: TRIP BLANK-20240319

Date Collected: 03/18/24 00:00
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/23/24 08:04	1
1,1,2,2-Tetrachloroethane	ND	**	1.0	0.21	ug/L			03/23/24 08:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/23/24 08:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/23/24 08:04	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/23/24 08:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/23/24 08:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/23/24 08:04	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/23/24 08:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/23/24 08:04	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/23/24 08:04	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/23/24 08:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/23/24 08:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/23/24 08:04	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/23/24 08:04	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/23/24 08:04	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/23/24 08:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/23/24 08:04	1
2-Hexanone	ND	** UJ	5.0	1.2	ug/L			03/23/24 08:04	1
4-Methyl-2-pentanone (MIBK)	ND	UJ	5.0	2.1	ug/L			03/23/24 08:04	1
Acetone	ND		10	3.0	ug/L			03/23/24 08:04	1
Benzene	ND		1.0	0.41	ug/L			03/23/24 08:04	1

Client Sample ID: TRIP BLANK-20240319

Lab Sample ID: 480-218035-11

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/21/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.39	ug/L			03/23/24 08:04	1
Bromoform	ND		1.0	0.26	ug/L			03/23/24 08:04	1
Bromomethane	ND		1.0	0.69	ug/L			03/23/24 08:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/23/24 08:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/23/24 08:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/23/24 08:04	1
Chloroethane	ND		1.0	0.32	ug/L			03/23/24 08:04	1
Chloroform	ND		1.0	0.34	ug/L			03/23/24 08:04	1
Chloromethane	ND		1.0	0.35	ug/L			03/23/24 08:04	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/23/24 08:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/23/24 08:04	1
Cyclohexane	ND		1.0	0.18	ug/L			03/23/24 08:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/23/24 08:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/23/24 08:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/23/24 08:04	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/23/24 08:04	1
Methyl acetate	ND		2.5	1.3	ug/L			03/23/24 08:04	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/23/24 08:04	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/23/24 08:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/23/24 08:04	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/23/24 08:04	1
Styrene	ND		1.0	0.73	ug/L			03/23/24 08:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/23/24 08:04	1
Toluene	ND		1.0	0.51	ug/L			03/23/24 08:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/23/24 08:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/23/24 08:04	1
Trichloroethene	ND		1.0	0.46	ug/L			03/23/24 08:04	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/23/24 08:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/23/24 08:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/23/24 08:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*03/23/24 08:04*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*03/23/24 08:04*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*03/23/24 08:04*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*03/23/24 08:04*	*1*

Client Sample ID: VRI-10

Lab Sample ID: 480-218035-12

Date Collected: 03/19/24 15:57

Matrix: Water

Date Received: 03/21/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/23/24 08:27	1
1,1,2,2-Tetrachloroethane	ND	*+	1.0	0.21	ug/L			03/23/24 08:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/23/24 08:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/23/24 08:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/23/24 08:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/23/24 08:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/23/24 08:27	1

Client Sample ID: VRI-10

Date Collected: 03/19/24 15:57
Date Received: 03/21/24 10:00

Lab Sample ID: 480-218035-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/23/24 08:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/23/24 08:27	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/23/24 08:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/23/24 08:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/23/24 08:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/23/24 08:27	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/23/24 08:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/23/24 08:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/23/24 08:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/23/24 08:27	1
2-Hexanone	ND	*+ UJ	5.0	1.2	ug/L			03/23/24 08:27	1
4-Methyl-2-pentanone (MIBK)	ND	UJ	5.0	2.1	ug/L			03/23/24 08:27	1
Acetone	ND		10	3.0	ug/L			03/23/24 08:27	1
Benzene	ND		1.0	0.41	ug/L			03/23/24 08:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/23/24 08:27	1
Bromoform	ND		1.0	0.26	ug/L			03/23/24 08:27	1
Bromomethane	ND		1.0	0.69	ug/L			03/23/24 08:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/23/24 08:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/23/24 08:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/23/24 08:27	1
Chloroethane	ND		1.0	0.32	ug/L			03/23/24 08:27	1
Chloroform	**0.53**	**J**	1.0	0.34	ug/L			03/23/24 08:27	1
Chloromethane	ND		1.0	0.35	ug/L			03/23/24 08:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/23/24 08:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/23/24 08:27	1
Cyclohexane	ND		1.0	0.18	ug/L			03/23/24 08:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/23/24 08:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/23/24 08:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/23/24 08:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/23/24 08:27	1
Methyl acetate	ND		2.5	1.3	ug/L			03/23/24 08:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/23/24 08:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/23/24 08:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/23/24 08:27	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/23/24 08:27	1
Styrene	ND		1.0	0.73	ug/L			03/23/24 08:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/23/24 08:27	1
Toluene	ND		1.0	0.51	ug/L			03/23/24 08:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/23/24 08:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/23/24 08:27	1
Trichloroethene	ND		1.0	0.46	ug/L			03/23/24 08:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/23/24 08:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/23/24 08:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/23/24 08:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*03/23/24 08:27*	*1*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*03/23/24 08:27*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*03/23/24 08:27*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/23/24 08:27*	*1*

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